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ELECTRICAL CIRCUIT DIAGRAM MANUAL

Electrical Circuit Diagram Manual

3200
RXT
DuraStar® - 4100, 4300, 4400
TranStar® Natural Gas (NG)
TranStar® - 8500, 8600
WorkStar® - 7300, 7400, 7500, 7600, 7700

Navistar, Inc.

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INSTRUCTIONS AND CHARTS (CHAPTER 2)

2.1. ABBREVIATIONS, P. 1

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 2

ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
ACCESS	ACCESSORY	CRUS	CRUISE	PWR	POWER
ACCUM	ACCUMULATOR	CUR	CURRENT	PRESS	PRESSURE
AC	AIR CONDITIONING	DPNL	DASHPANEL	RAD	RADIO
AIR CLNR	AIR CLEANER	DFTR	DEFLECTOR	RR	REAR
ALT	ALTERNATOR	DFR	DEFROSTER	RLY	RELAY
ACCEL	ACCELERATOR	DEG	DEGREE	RES	RESISTOR
AC	ALTERNATING CURRENT	DIAG	DIAGRAM	REGEN	REGENERATE
AFTR	AFTERTREATMENT	DSL	DIESEL	R	RIGHT
AMM	AMMETER	DIFF	DIFFERENTIAL	RTR	ROTOR
AMP	AMPERE	DIMR	DIMMER	SNSR	SENSOR
AMP HR	AMPERE HOUR	ELEC	ELECTRICAL	SHLD	SHIELD
AMPL	AMPLIFIER	ELEX	ELECTRONICS	SHFT	SHIFTER
ARM	ARMATURE	ENG	ENGINE	SLPR	SLEEPER
ARSR	ARRESTER	EXH	EXHAUST	SLV	SLEEVE
ASSY	ASSEMBLY	FL	FLUID	SPKR	SPEAKER
AUX	AUXILIARY	FWD	FORWARD	SPR	SPRING
B/U	BACK-UP	FR	FRONT	STD	STANDARD
BTRY	BATTERY	FREQ	FREQUENCY	STRG	STEERING
BM	BENCHMARKING	GA	GAUGE	STLITE	SATELLITE
BLK	BLOCK	GEN	GENERATOR	SUNSH	SUNSHADE
BOOS	BOOSTER	GND	GROUND	SW	SWITCH
BOT	BOTTOM	HARN	HARNESS	SYS	SYSTEM
BK	BRAKE	HDLP	HEADLAMP	TACH	TACHOMETER
BRKR	BREAKER	HTD	HEATED	TEMP	TEMPERATURE
BRTHR	BREATHER	HT TR	HEAT TREAT	TERM	TERMINAL
BRI	BRIGHT	HTR	HEATER	THROT	THROTTLE
BUZ	BUZZER	HP	HORSEPOWER	THRU	THROUGH
CA	CABLE	HYD	HYDRAULIC	TRAC	TRACTION
CD	CANDELA	ID	IDENTIFICATION	TRLR	TRAILER
CP	CANDLEPOWER	IGN	IGNITION	XDCR	TRANSDUCER
CAP	CAPACITOR	ILLUM	ILLUMINATION	XFER	TRANSFER
CAT	CATERPILLAR	IND	INDICATOR	XFMR	TRANSFORMER
CHAS	CHASSIS	INST	INSTRUMENT	XSTR	TRANSISTOR
CH	CHOKE	INT	INTERMITTENT	XMSN	TRANSMISSION
CIRC	CIRCUIT	L	LEFT	XMTR	TRANSMITTER
CLK	CLOCK	LT	LIGHT	TRK	TRUCK
CW	CLOCKWISE	LTR	LIGHTER	UPR	UPPER
CLSTR	CLUSTER	LWR	LOWER	VLV	VALVE
CL	CLUTCH	MAG	MAGNET	VERT	VERTICAL
COL	COLUMN	MOD	MODULATOR	VM	VOLTMETER
COMM	COMMUTATOR	MDL	MODULE	VOL	VOLUME
CMPNT	COMPONENT	MOT	MOTOR	WSHR	WASHER
CPRSR	COMPRESSOR	MTD	MOUNTED	WHL	WHEEL
CONN	CONNECTOR	NEG	NEGATIVE	WDO	WINDOW
CONT	CONTINUED	N/	NOT WITH	WSHLD	WINDSHIELD
CSL	CONSOLE	NO.	NUMBER	WPR	WIPER
CONT	CONTACT	PASS	PASSENGER	W/	WITH
CONT	CONTROL	POSN	POSITION	W/O	WITHOUT
CONV	CONVERTER	POS	POSITIVE		
CLR	COOLER	POT	POTENTIOMETER		
CTSY	COURTESY				

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	18SEP09	INITIAL RELEASE.	A	61229V

DRAWN 310615 — NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V — DATE 18MAY09 — PART NO. AE08058176 — SHEET 001

Figure 1 Abbreviations

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2.2. ACRONYMS, P. 2

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ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 2

ACRONYMS

DESCRIPTION	ACRONYM
ANTILOCK BRAKING SYSTEM	ABS
ANTENNA COMMUNICATION UNIT	ACU
ALTERNATING CURRENT	AC
AXLE TO BACK OF CAB	AC
AXLE TO FRAME	AF
ACCELERATOR PEDAL MODULE	APM
ACCELERATOR POSITION SENSOR	APS
AUXILIARY POWER UNIT	APU
AMERICAN TRUCKING ASSOCIATION	ATA
AUTOMATIC TRACTION CONTROL	ATC
AUDIO VIDEO INTERFACE	AVI
BAROMETRIC ATMOSPHERE PRESSURE	BAP
BRAKE HORSEPOWER	BHP
BACK OF CAB	BOC
CITIZEN BAND	CB
COLD CRANKING AMPERES	CCA
CLEAN POWER ELECTRICAL CONNECTOR	CEC
CENTRAL PROCESSING UNIT	CPU
CAB OVER ENGINE	COE
DIRECT CURRENT	DC
DRIVER CONTROL MODULE	DCM
DIGITAL DATA LINK	DDL
DIESEL OXIDATION CATALYST INLET TEMPERATURE	DOCT
DIESEL PARTICULATE FILTER	DPF
DIESEL PARTICULATE FILTER DELTA PRESSURE	DPFDP
DIESEL PARTICULATE FILTER TEMPERATURE	DPFT
DIESEL TURBOCHARGED	DT
DAY TIME RUNNING LIGHTS	DTRL
ELECTRONIC CONTROL MODULE	ECM
ELECTRONIC CONTROL UNIT	ECU
EXHAUST GAS RECIRCULATION	EGR
EXHAUST GAS TEMPERATURE	EGT
ELECTRO MAGNETIC INTEFERENCE	EMI
END OF FRAME	EOF
ELECTRIC TRAILER BRAKE	ETB
FRONT AXLE	FA
FRONT END	FE
FRONT OF DASH	FOD
FULL POWER BRAKE	FPB
GLOBAL POSITIONING SYSTEM	GPS
HYDRAULIC CONTROL UNIT	HCU
HEAVY DUTY	HD

DESCRIPTION	ACRONYM
HEAVY DUTY DIESEL	HDD
HIGH PERFORMANCE TRUCK	HPT
HEATING, VENTILATION, AND AIR CONDITIONING	HVAC
INJECTOR DRIVE MODULE	IDM
INPUT/OUTPUT	I/O
INTEGRATED MOBILE COMMUNICATION TERMINAL	IMCT
INSTRUMENT PANEL	I/P
INDEPENDENT POWER TAKE-OFF	IPTO
INTERNATIONAL BIG BORE ENGINE	IBBE
LIGHT COMMERCIAL TRANSMISSION	LCT
LOW PRESSURE MODULE	LPM
MEDIUM DUTY	MD
MALFUNCTION INDICATION LAMP	MIL
MULTIPLEX SWITCH MODULE	MSM
PYROMETER AMMETER MODULE	PAM
POWER DISTRIBUTION CENTER	PDC
PROGRAMMABLE LOGIC CONTROLLER	PLC
POWER TAKE-OFF	PTO
PULSE WIDTH MODULATION	PWM
REAR AXLE	RA
RADIO FREQUENCY	RF
ROLL STABILITY PROGRAM	RSP
SEVERE SERVICE	SS
TRANSMISSION CONTROL MODULE	TCM
TERRESTRIAL COMMUNICATION UNIT	TCU
TERRESTRIAL MOBILE COMMUNICATION TERMINAL	TMCT
THERMAL OVERCRANK PROTECTION	TOCP
THROTTLE POSITION SENSOR	TPS
WORLD TRANSMISSION ELECTRONIC CONTROLS	WTEC
VEHICLE SPEED OUTPUT	VSO
VEHICLE SPEED SENSOR	VSS
ZERO VOLT REFERENCE	ZVR
VEHICLE SPEED OUTPUT	VSO
VEHICLE SPEED SENSOR	VSS
ZERO VOLT REFERENCE	ZVR

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	18SEP09	INITIAL RELEASE.	A	61229V

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Figure 2 Acronyms

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2.3. CIRCUIT DIAGRAM INSTRUCTIONS, P. 3

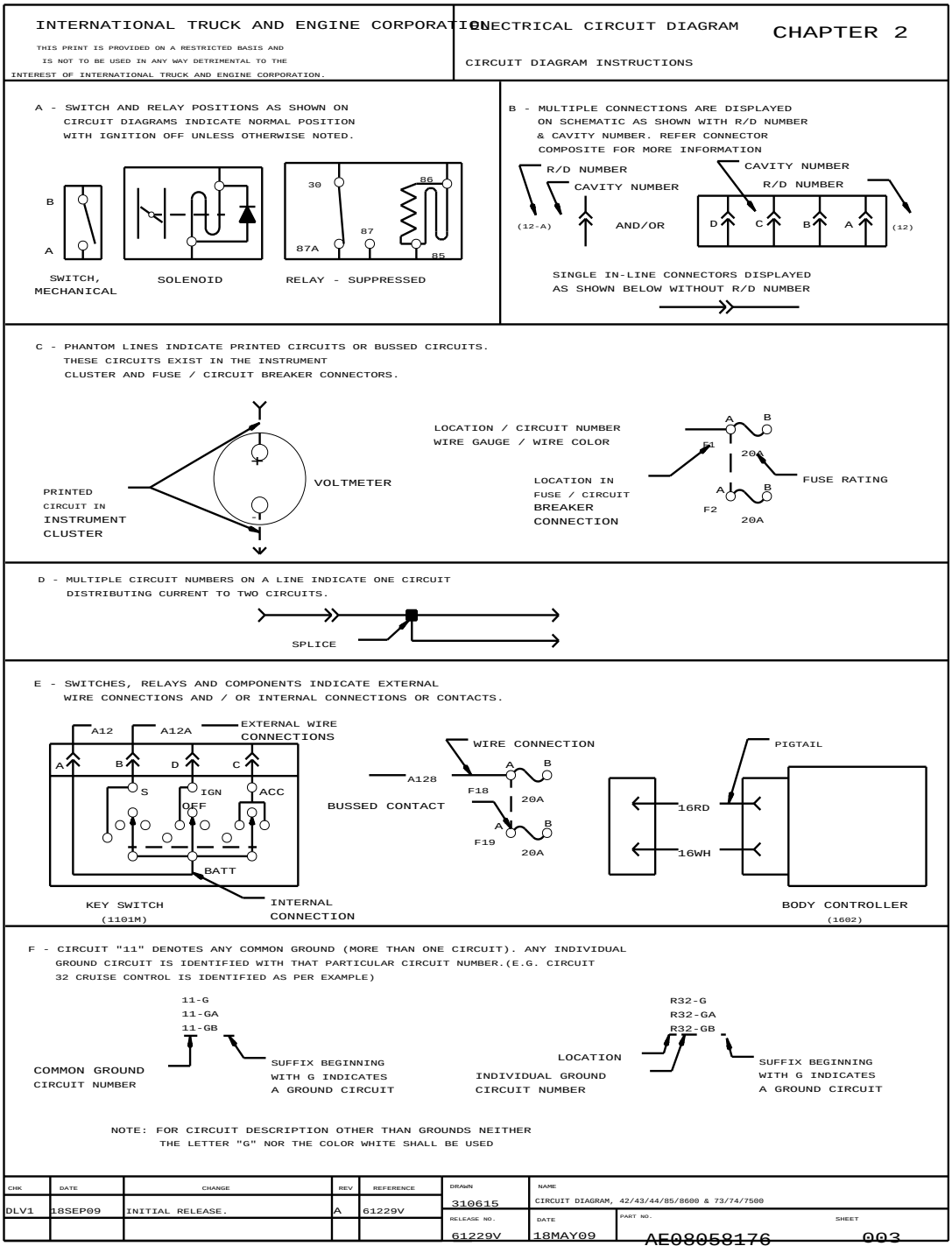

Figure 3 Circuit Diagram Instructions

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2.4. CIRCUIT NUMBER IDENTIFICATION AND COLOR, P. 4

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2

CIRCUIT NUMBER IDENTIFICATION AND COLOR

CIRCUIT NUMBER	COLOR	DESCRIPTION
1	LTBL	ALTERNATOR-FIELD
2	RD	ALTERNATOR-CHARGE
3	DKBL	SERIAL / DATA COMMUNICATION J1587 / J1708 (+)
	GY	SERIAL / DATA COMMUNICATION J1587 / J1708 (-)
4	DKBL	SERIAL / DATA COMMUNICATION J1922 (+)
	GY	SERIAL / DATA COMMUNICATION J1922 (-)
5	YL	SERIAL / DATA COMMUNICATION J1939/11 / J1939/15 (+)
	GN	SERIAL / DATA COMMUNICATION J1939/11 / J1939/15 (-)
6	GY	LOW VOLTAGE ELECTRONIC FEED (LESS THAN 9 VOLTS)
7	RD	ALTERNATOR-RESISTANCE
8		
9	GY	ZERO VOLT REFERENCE (ZVR)
10	WH	CHASSIS / ENGINE GROUND
11	WH	CAB / SLEEPER GROUND
12	LTBL	ACCESORY FEED
13	PK	IGNITION FEED
	BK	IGNITION FEED (BODY BUILDER CONNECTOR)
14	RD	BATTERY FEED
15	RD	KEY SWITCH FEED
16		
17	PK	STARTER CONTROL
18	PK	GLOW PLUG / PREHEATER
19	GY	ENGINE SHUTDOWN
20	LTGN	REMOTE POWER MODULE
21	TN	COLD START CONTROLS (ETHER)
22	TN	TIRE PRESSURE MONITORING / CONTROL
23	TN	ENGINE FAN / SHUTTERS
24	GY	ENGINE EXHAUST BRAKE
25	TN	PYROMETER
26	TN	AMMETER
27	TN	VOLTMETER
28	TN	INSTRUMENT & GAUGES
29	TN	ENGINE WATER TEMPERATURE
30	TN	ENGINE OIL TEMPERATURE
31	TN	TRANSMISSION OIL TEMPERATURE
32	TN	AXLE OIL TEMPERATURE
33	TN	ENGINE OIL LEVEL
34	TN	COOLANT LEVEL
35	TN	ENGINE OIL PRESSURE
36	TN	FUEL LEVEL
37	TN	FUEL PUMP
38	GY	LIFT AXLE
39	GY	AIR DRYER HEATER
40	GY	LOW AIR PRESSURE WARNING

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	18SEP09	INITIAL RELEASE.	A	61229V	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 18MAY09 / PART NO. AE08058176 / SHEET 004

Figure 4 Circuit Number Identification and Color

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2.5. CIRCUIT NUMBER IDENTIFICATION AND COLOR (CONT.), P. 5

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ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 2

CIRCUIT NUMBER IDENTIFICATION AND COLOR (CONT)

CIRCUIT NUMBER	COLOR	DESCRIPTION
41	TN	AIR TEMPERATURE
42	GY	FRONT AXLE ENGAGED
43	GY	POWER DIVIDER LOCK (PDL) WARNING
44	GY	PARK BRAKE WARNING
45	LTGN	ANTIITHEFT WARNING
46	GY	POWER TAKEOFF WARNING
47	GY	SPEEDOMETER
48	GY	TACHOMETER
49	GY	DIFFERENTIAL LOCK WARNING
50	YL	LIGHT SWITCH FEED
51	YL	DIMMER SWITCH FEED
52	YL	HEADLIGHT HI - BEAM
53	YL	HEADLIGHT LO - BEAM
54	BN	PARKING / MARKER LIGHTS
55	OR	TURN SIGNAL - FEED
56	OR	TURN SIGNAL LIGHTS - LEFT
	YL	TURN SIGNAL LIGHTS - LEFT (BODY BUILDER CONNECTION)
57	OR	TURN SIGNAL LIGHTS - RIGHT
	LTGN	TURN SIGNAL LIGHTS - RIGHT (BODY BUILDER CONNECTION)
58	BN	CLEARANCE / IDENTIFICATION LIGHTS
59	GY	SOLENOID
60	OR	HAZARD LIGHTS
61	GY	AIR SUSPENSION
62	DKBL	PANEL LIGHTS
63	DKBL	COURTESY / DOME LIGHTS
64	YL	FOG / DRIVING LIGHTS
65	OR	CAB REAR FLOOD LIGHTS
66	YL	DAYTIME RUNNING LIGHTS
67	GY	OBSTACLE AVOIDANCE / REMOTE SENSOR
68	BN	TAIL LIGHTS
69	BN	LICENSE PLATE LIGHT
70	OR	STOP LIGHTS
	RD	STOP LIGHTS (BODY BUILDER CONNECTION)
71	OR	BACK-UP LIGHTS
	LTBL	BACK-UP LIGHTS (BODY BUILDER CONNECTION)
72	OR	TRAILER AUXILIARY FEED - BATTERY
73	LTGN	PWM
74	LTGN	HEATER RECIRC MOTOR
75	LTGN	HEATER BLOWER MOTOR
76	LTGN	AUXILIARY FAN
77	LTGN	AIR CONDITIONER
78	LTGN	MIRRORS - HEATED, MOTORIZED
79	GY	SEAT BELTS
80	BK	SLEEPER BOX RELAY - FEED

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	18SEP09	INITIAL RELEASE.	A	61229V

DRAWN 310615 — NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V — DATE 18MAY09 — PART NO. AE08058176 — SHEET 005

Figure 5 Circuit Number Identification and Color (Cont.)

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2.6. CIRCUIT NUMBER IDENTIFICATION AND COLOR (CONT.), P. 6

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2

CIRCUIT NUMBER IDENTIFICATION AND COLOR (CONT)

CIRCUIT NUMBER	COLOR	DESCRIPTION
81	LTGN	POWER DOOR LOCKS
82	GY	WINDSHIELD WIPER
83	LTGN	POWER WINDOWS
84	LTGN	CIGAR LIGHTER
85	GY	HORN
86	LTGN	RADIO - ENTERTAINMENT / CLOCK
87	GY	WINDSHIELD WASHER
88	LTGN	CLOCK / HOURMETER
89	VT	AIR BAG
90	GY	HYDRAULIC BRAKE PUMP
91	VT	INTERCOMMUNICATION
92	TN	TRANSMISSION CONTROLS - ELECTRONICS
93	TN	AXLE SHIFT CONTROL
94	GY	ANTILOCK BRAKE SYSTEM
95	TN	EXHAUST EMISSION
96	YL	SNOW PLOW LIGHTS / CRUISE CONTROLS
97	VT	ENGINE CONTROLS - ELECTRONIC
98	BK	DATALINK AND DIAGNOSTICS
99	VT	ACCELERATOR POSITION SENSOR (APS)
100	GY	AIR HORN (ELECTRIC SOLENOID ACTUATED)
101	TN	BRAKE APPLICATION AIR
102	YL	FLASH TO PASS
103	LTGN	BODY BUILDER AUXILIARY FEED
104	DKBL	REMOTE START / STOP
105	LTGN	HEATED SEATS
106	OR	HIGH VOLTAGE ALTERNATOR AC CHARGE
107	GY	INTRUMENT CLUSTER ELECTRONIC FEED (5V)
108	GY	BRAKE PAD WEAR SENSOR
109	GY	BRAKE STROKE / SLACK ADJUSTER
110	GY	INTRUMENT CLUSTER ELECTRONIC GROUND
111	TN	FUEL FILTER RESTRICTION TRANSDUCER
112	GY	LIFT GATE

PREFIX	LOCATION
A	CAB - INSTRUMENT PANEL MODULE
B	CAB - DRIVER CONTROL MODULE
C	CAB - HEADER / CLEARANCE LIGHTS
D	CAB - ROOF / REAR PANEL
E	CAB - LEFT DOOR / DOORS
F	CAB - RIGHT DOOR / DOORS
H	CAB - SLEEPER
J	CAB - DASH (OUTSIDE)
K	ENGINE / RADIATOR
L	TRANSMISSION
M	CHASSIS / FRONT END (CAB DASH PANEL FORWARD)
N	CHASSIS / CENTER SECTION (CAB DASH PANEL TO CAB REAR XMBR)
P	CHASSIS / WHEEL BASE SECTION
R	CHASSIS / SUSPENSION / REAR AXLE / AXLES
S	CHASSIS / AF SECTION / STOP / TAIL / TURN LIGHTS
T	TRAVEL DOORS
U	HOOD MTD HEADLIGHTS / MARKER LIGHTS
V	SLEEPER ROOF / BACK PANEL WIRING
W	WARDROBE CABINET WIRING

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	18SEP09	INITIAL RELEASE.	A	61229V

DRAWN 310615

NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V

DATE 18MAY09

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SHEET 006

Figure 6 Circuit Number Identification and Color (Cont.)

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2.7. LAMP BULB CHART, P. 7

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ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 2

LAMP BULB CHART

BULB APPLICATION	CANDLEPOWER OR WATT	BULB TRADE NUMBER
BACK-UP LIGHTS	32 CP	GE1156
CLEARANCE & IDENTIFICATION SMALL	3 CP	GE168
COURTESY LIGHT	21 CP	1142
DOME LIGHTS	21 CP	1142
FOG LIGHTS	100 WATT	4921 - 1
LOW BEAMS	55 WATT	GE9007
HIGH BEAMS	60 WATT	GE9007
CIGAR LIGHTER	1 CP	1455
MAP LIGHT	3 CP	1816
SIDE MARKER		2548
STOP & TURN / TAIL & LICENSE PLATE	32 / 3 CP	3157
TURN SIGNAL / MARKER (FENDER)	32 / 3 CP	3157
TURN SIGNAL & MARKER LIGHT		2356
WORK (TRAILER HOOK)	35 WATT	4411
BACK-UP LIGHTS UPPER AND LOWER BUNK READING LIGHT	15 CP	1003
CABINET / WARDROBE LIGHT	5W	7575
UNDER BUNK LIGHT	21 CP / 2(12 CP)	577 / 211
ACCENT LIGHT	2 (12 CP)	211
DOME LIGHT LAMP	15 WATT	F15T8 - CW
SLEEPER FLOOR LIGHT	4 CP	W5W
HEATER AND AIR CONDITIONER CONTROL	3 CP	168
LUGGAGE COMPARTMENT LIGHT	6 CP	99
READING LIGHT	15 CP	1003

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	18SEP09	INITIAL RELEASE.	A	61229V

DRAWN 310615 — NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

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Figure 7 Lamp Bulb Chart

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2.8. RELAY FUNCTION AND WIRING GUIDE, P. 8

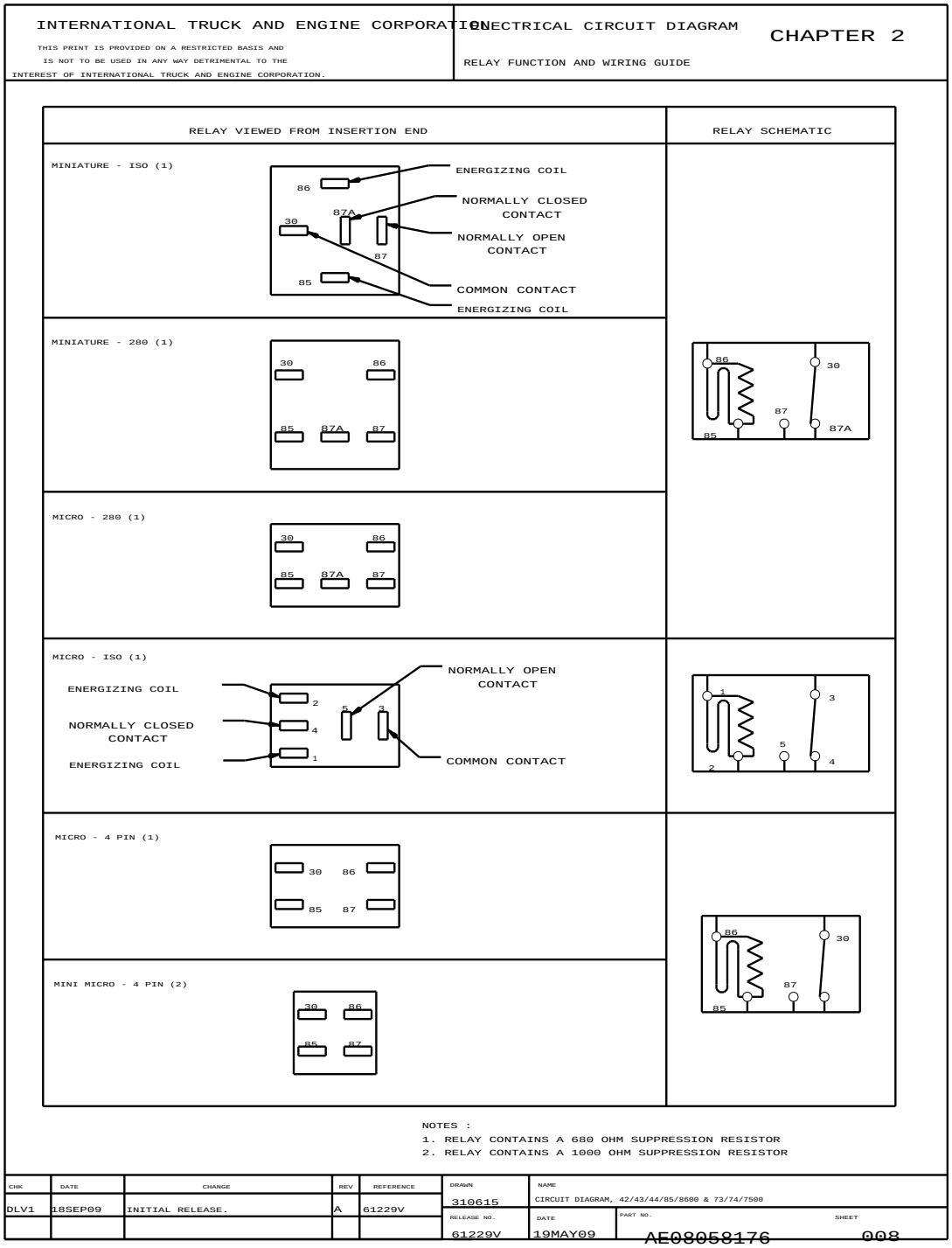

Figure 8 Relay Function and Wiring Guide

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2.9. SCHEMATIC SYMBOL CHART, P. 9

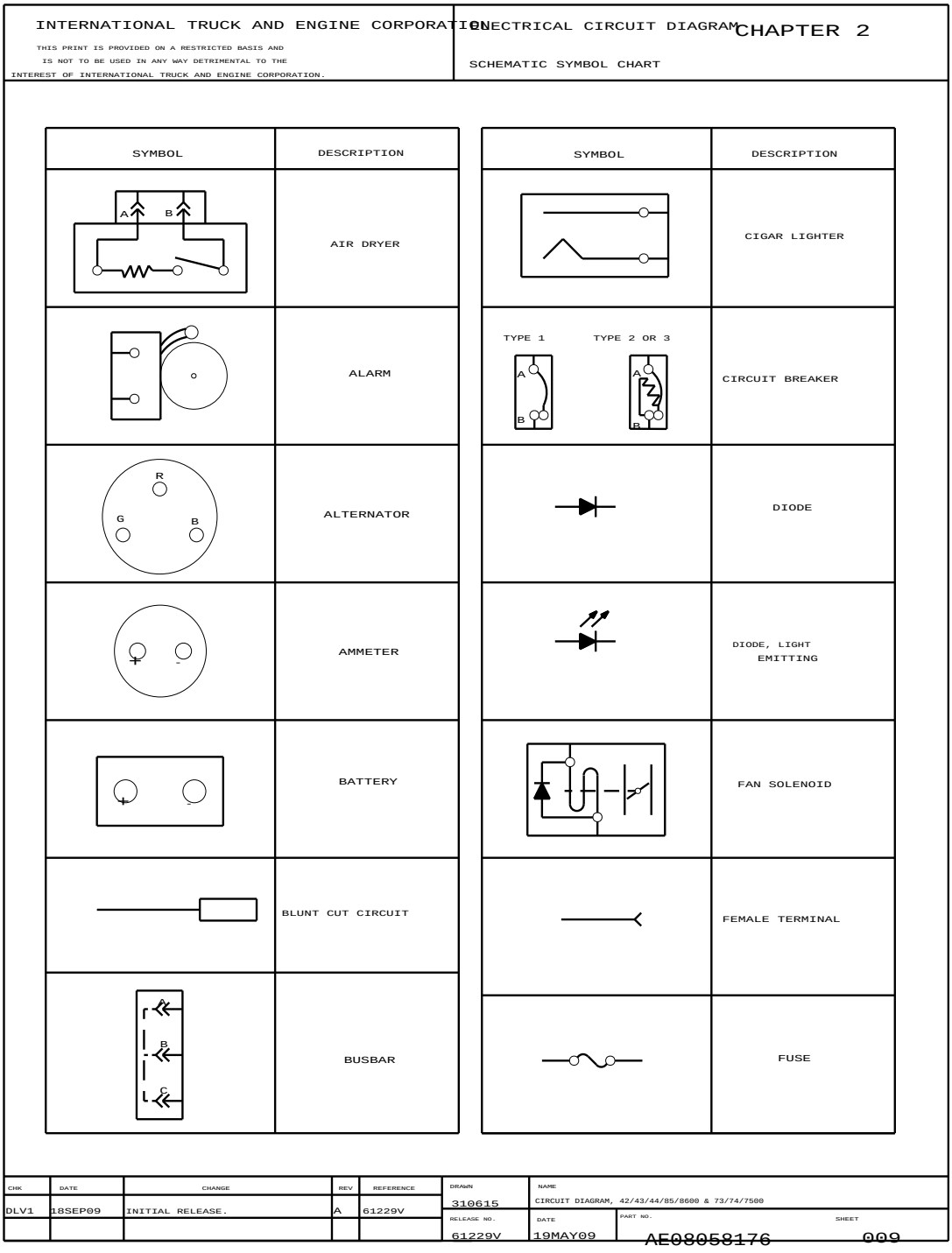

Figure 9 Schematic Symbol Chart

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2.10. SCHEMATIC SYMBOL CHART (CONT.), P. 10

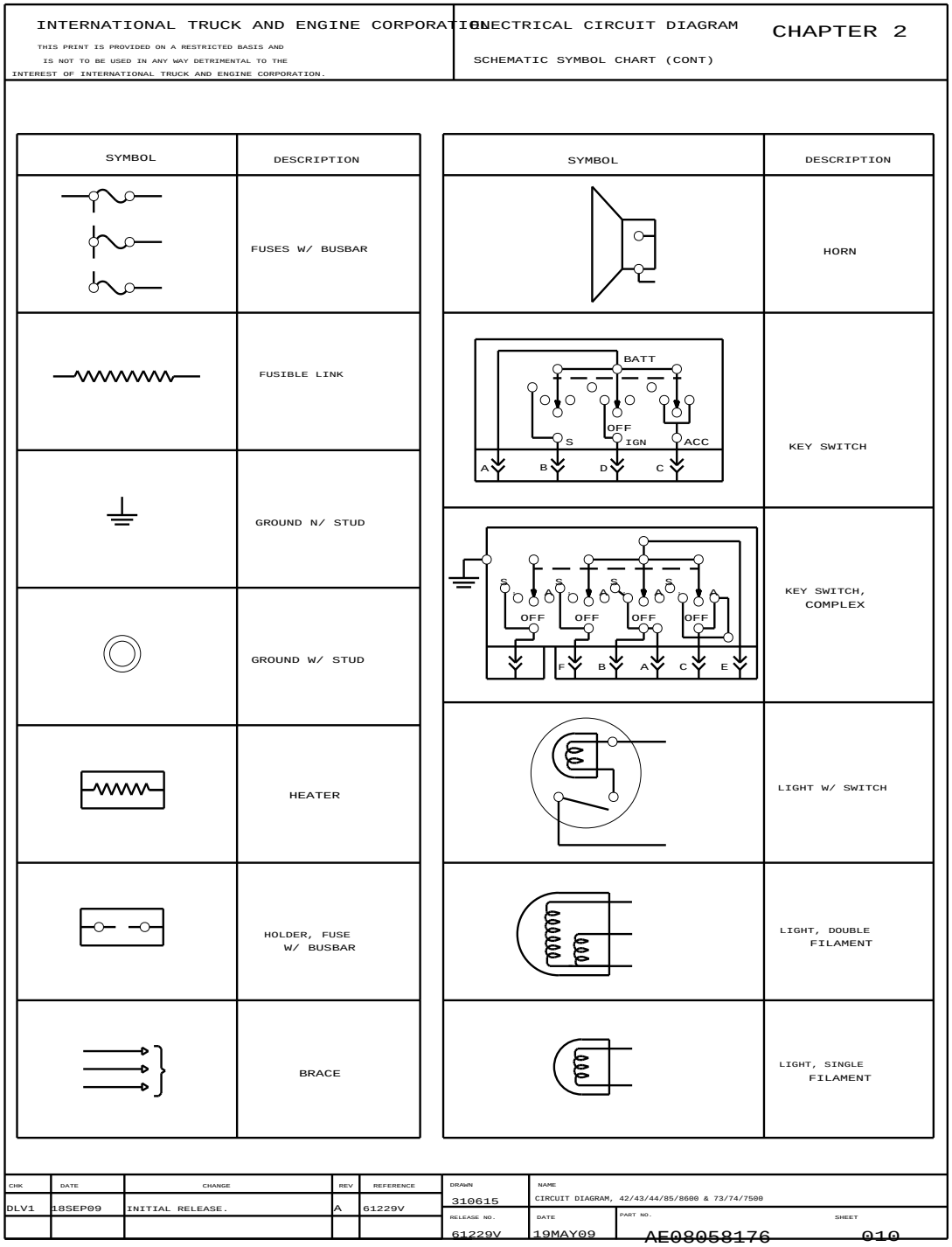

Figure 10 Schematic Symbol Chart (Cont.)

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2.11. SCHEMATIC SYMBOL CHART (CONT.), P. 11

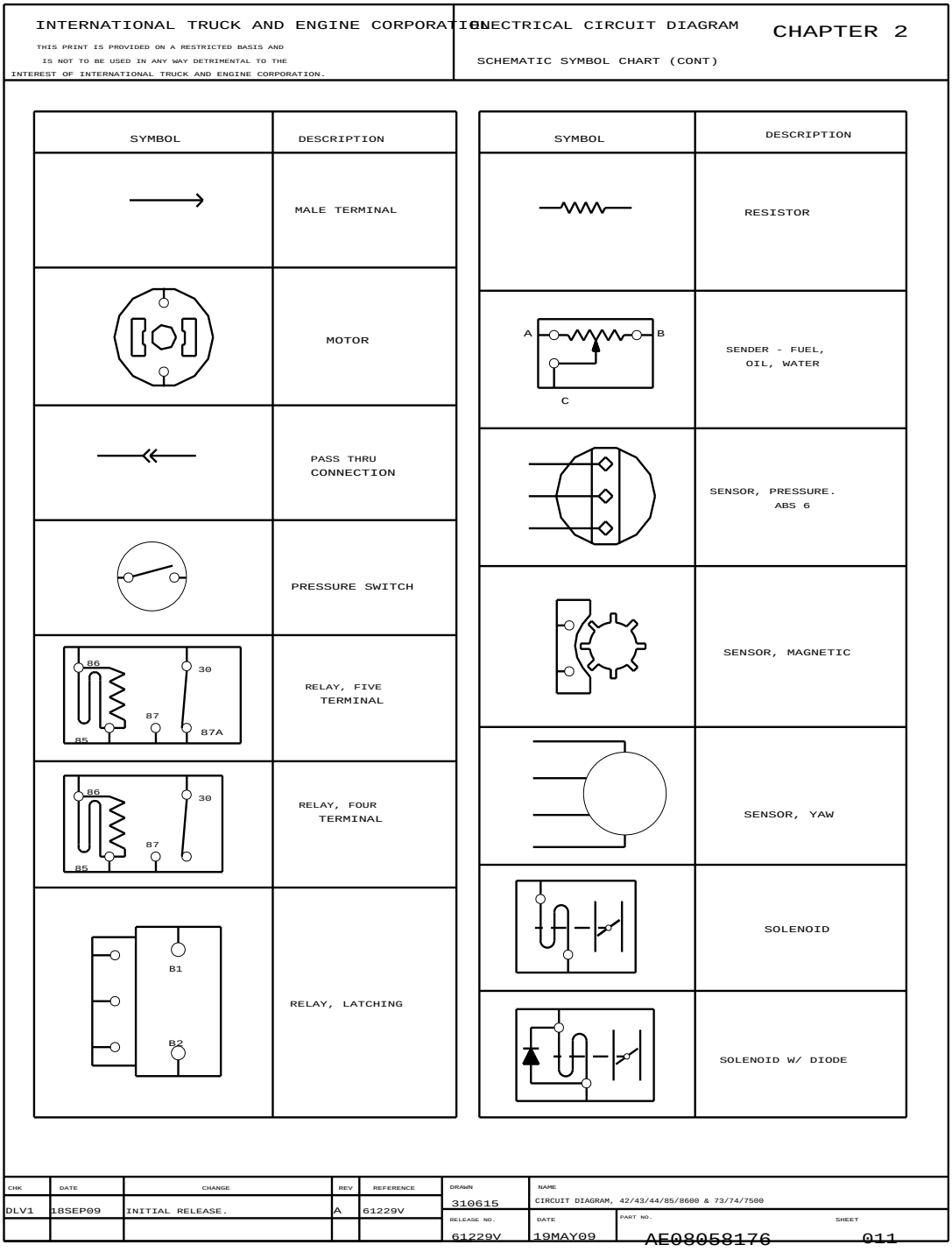

Figure 11 Schematic Symbol Chart (Cont.)

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2.12. SCHEMATIC SYMBOL CHART (CONT.), P.12

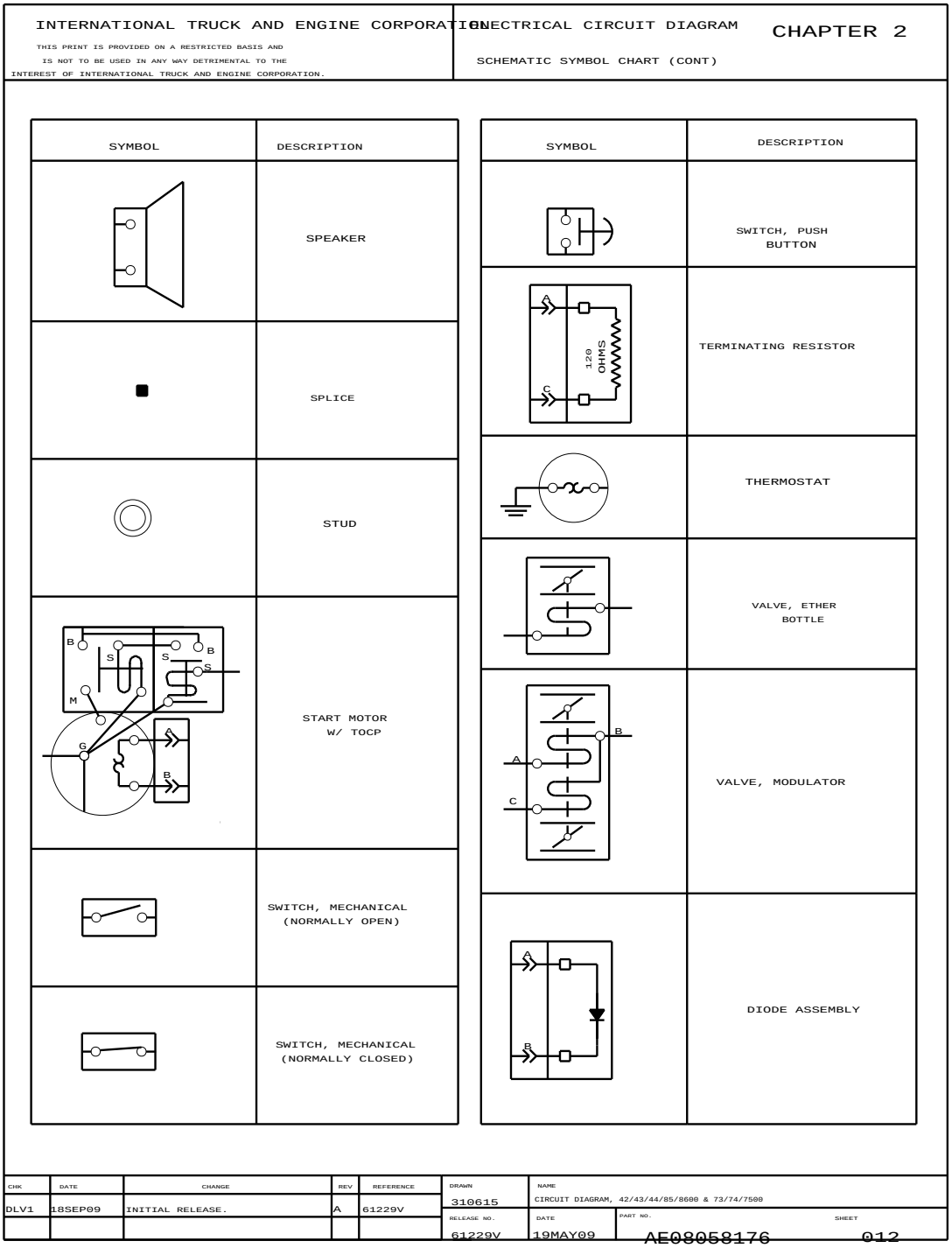

Figure 12 Schematic Symbol Chart (Cont.)

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12 VOLT POWER DISTRIBUTION, GROUNDS, DATA BUS AND ELECTRICAL SYSTEM CONTROLLER (CHAPTER 3)

3.1. BATTERY FEED, DUAL, P. 1

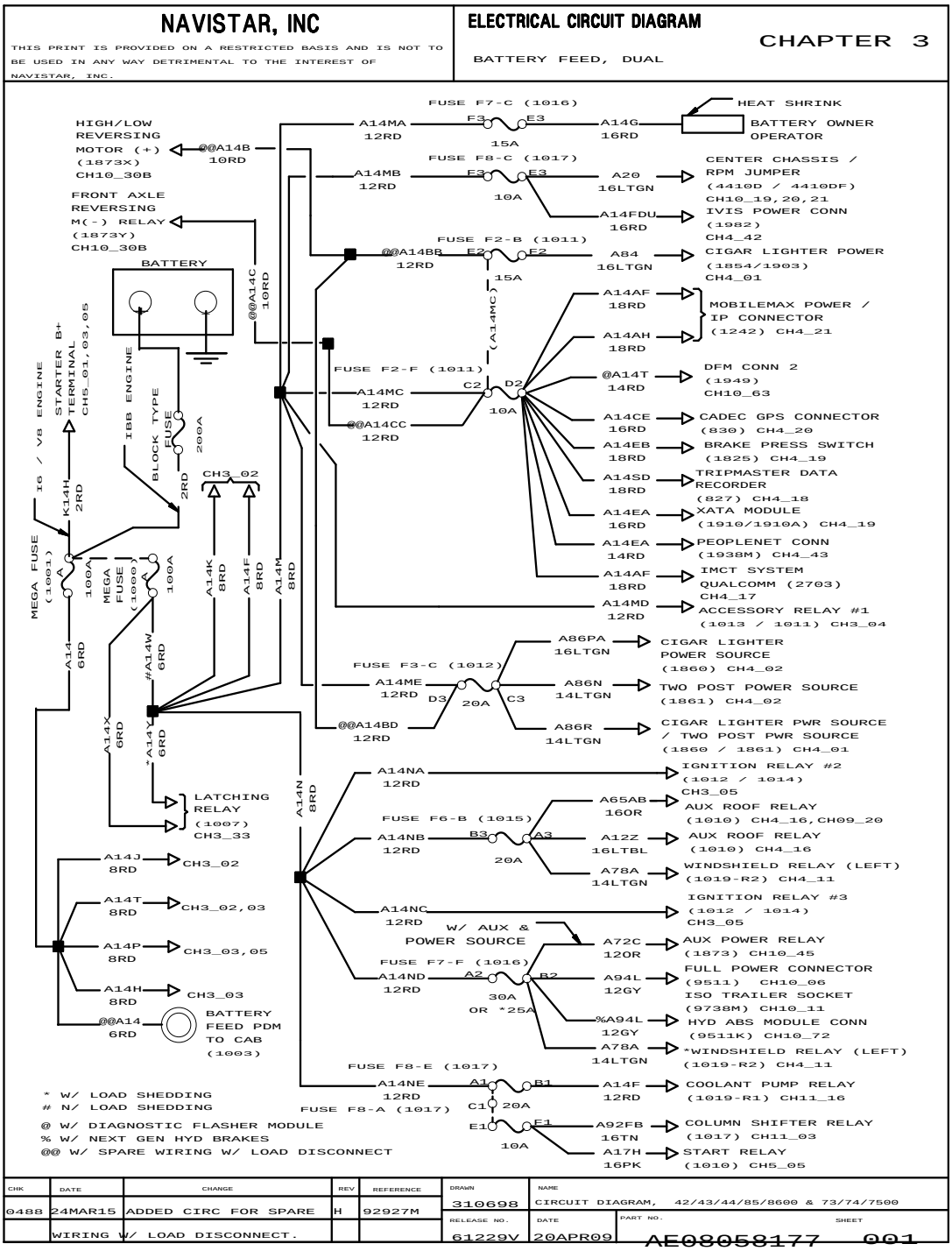

Figure 13 Battery Feed, Dual

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3.2. BATTERY FEED, DUAL WITH 500K BAUD RATE, P. 1A

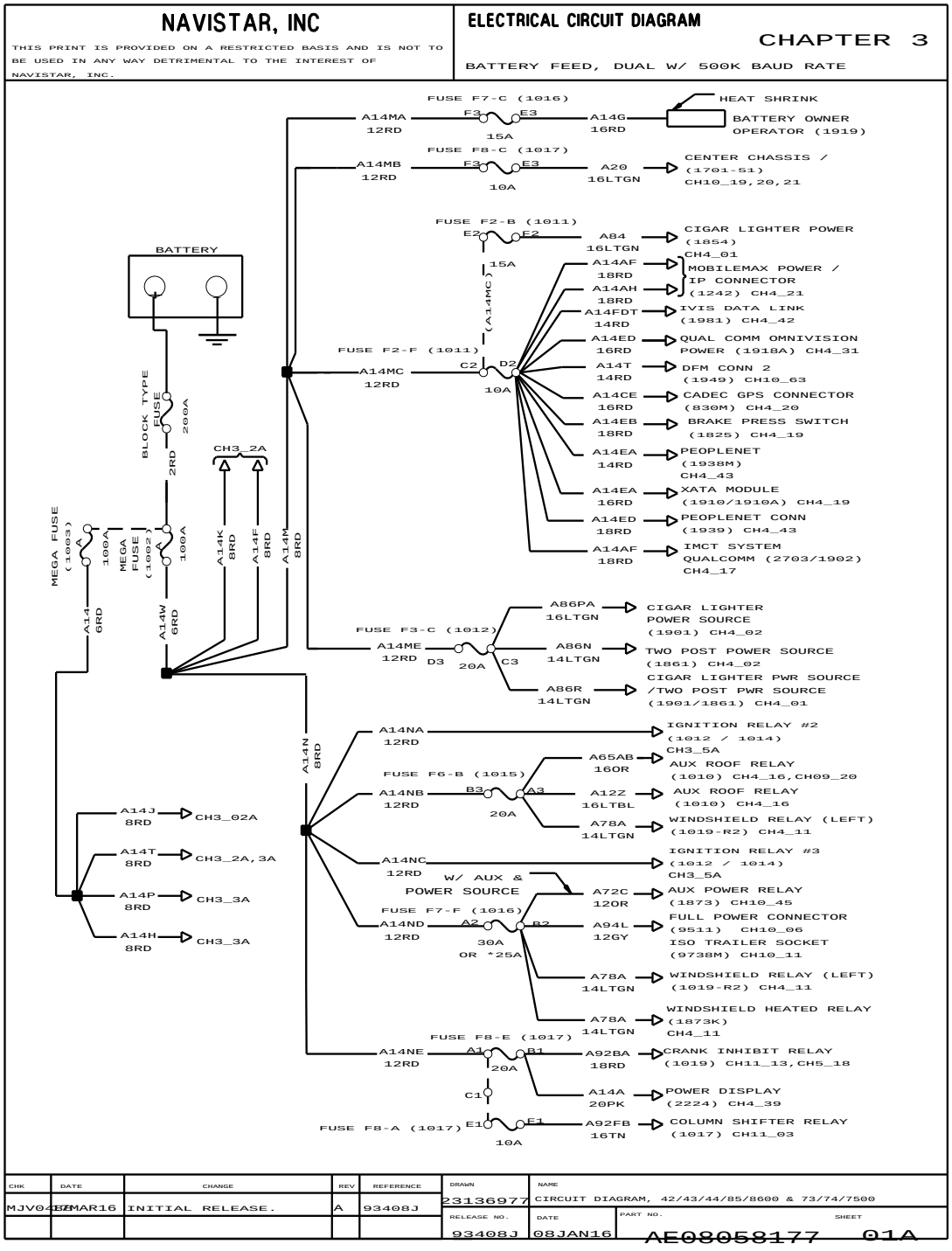

Figure 14 Battery Feed, Dual with 500K Baud Rate

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3.3. BATTERY FEED, DUAL (CONT.), P. 2

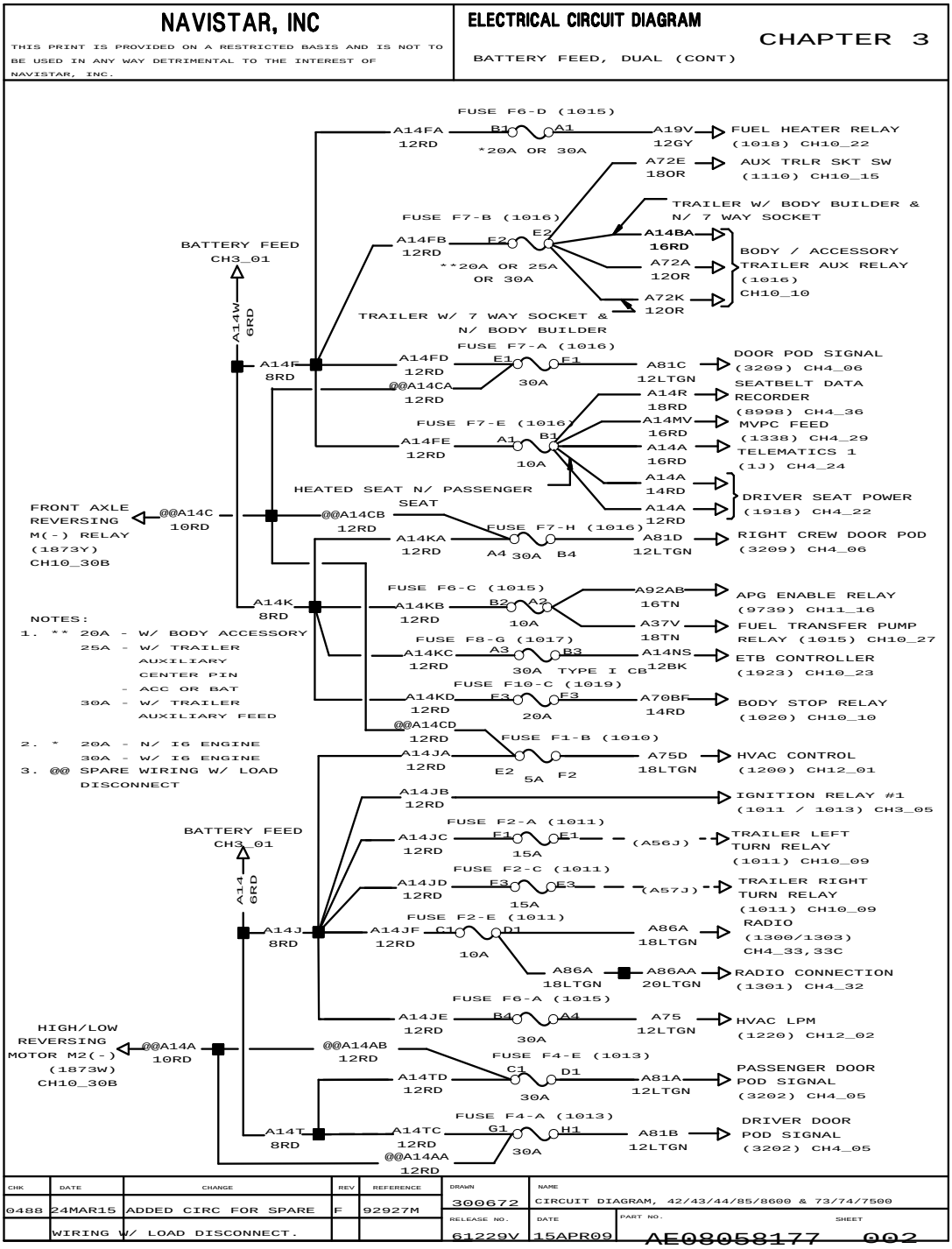

Figure 15 Battery Feed, Dual (Cont.)

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3.4. BATTERY FEED, DUAL WITH 500K BAUD RATE (CONT.), P. 2A

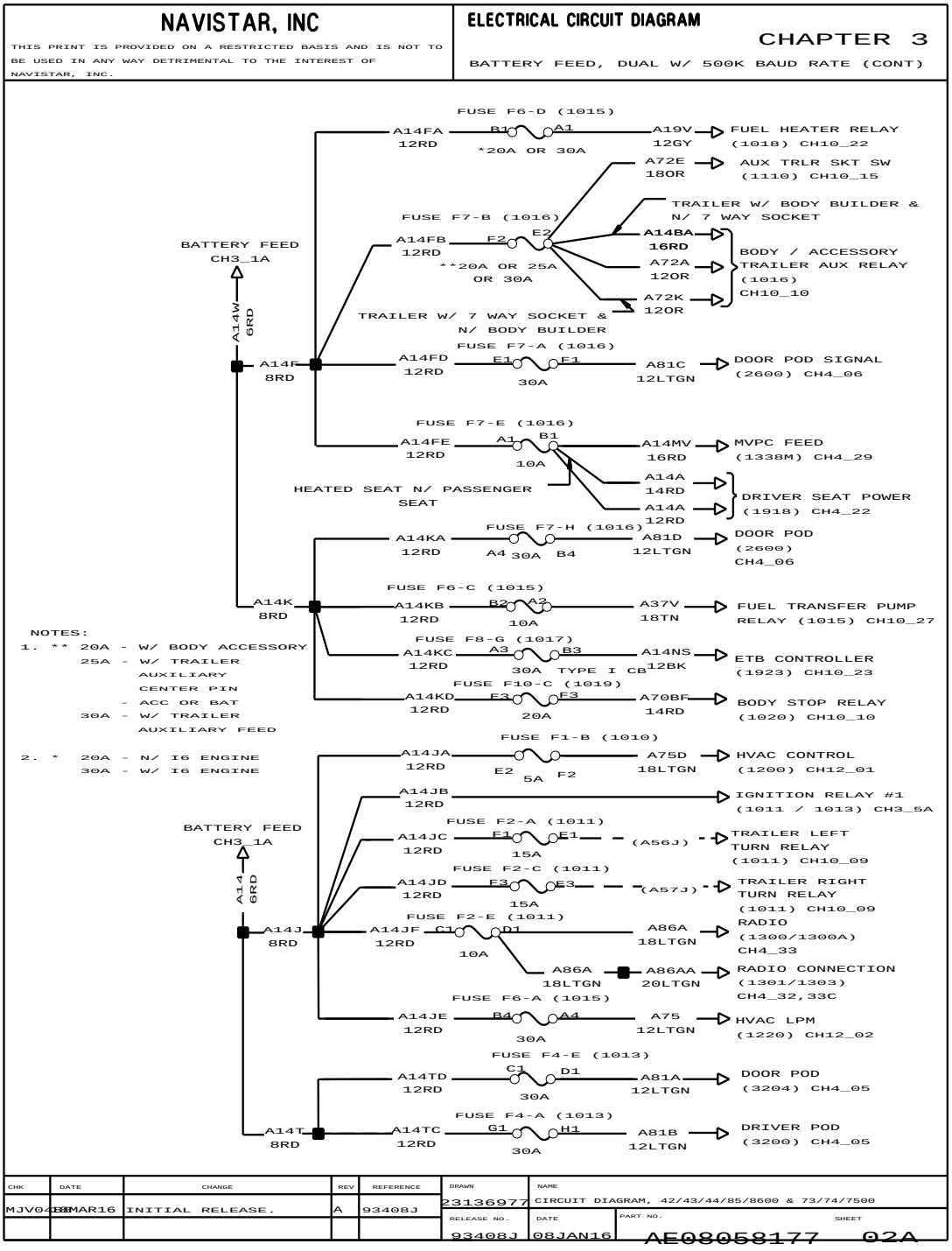

Figure 16 Battery Feed, Dual with 500K Baud Rate (Cont.)

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3.5. BATTERY FEED, DUAL (CONT.), P. 3

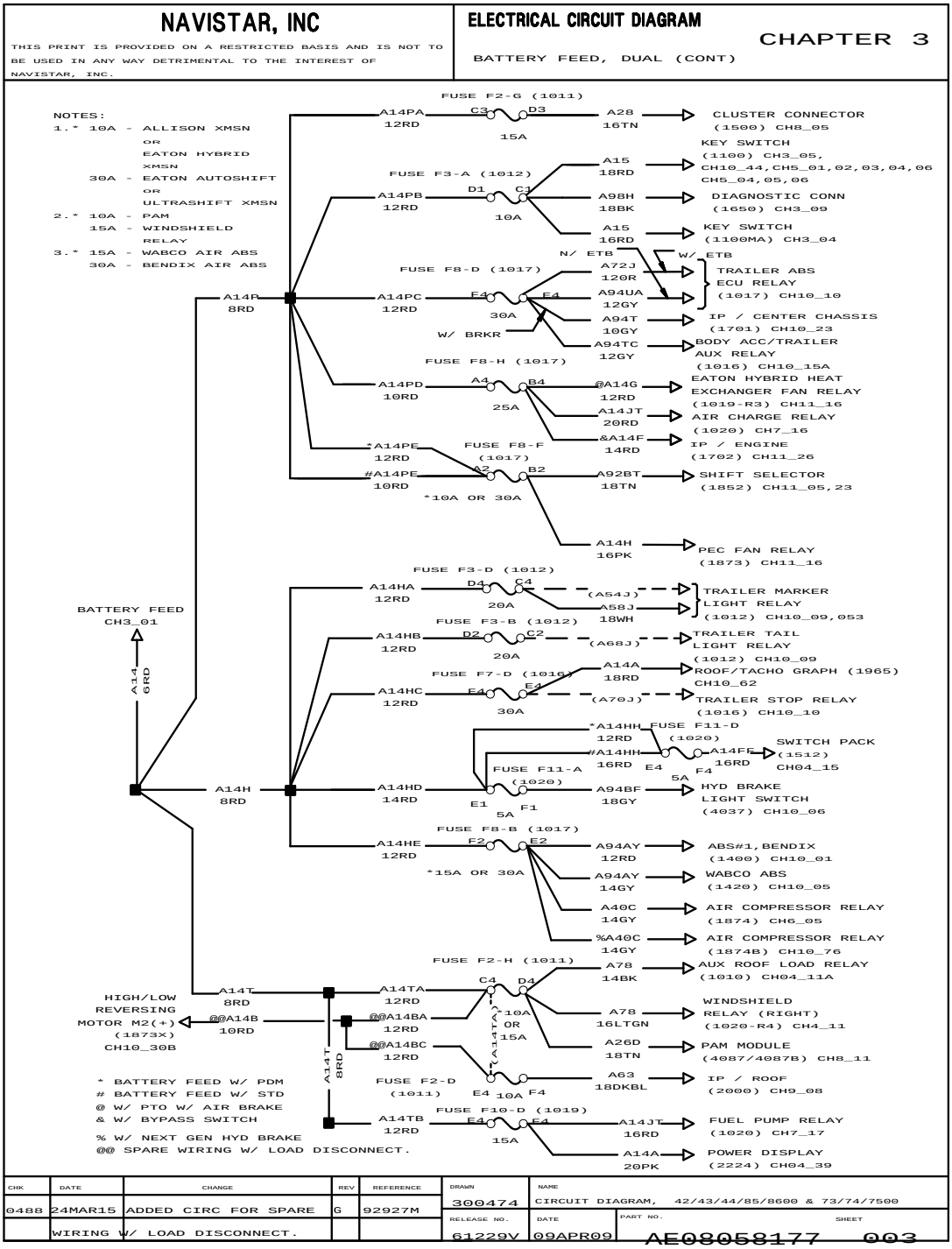

Figure 17 Battery Feed, Dual (Cont.)

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3.6. BATTERY FEED, DUAL WITH 500K BAUD RATE (CONT.), P. 3A

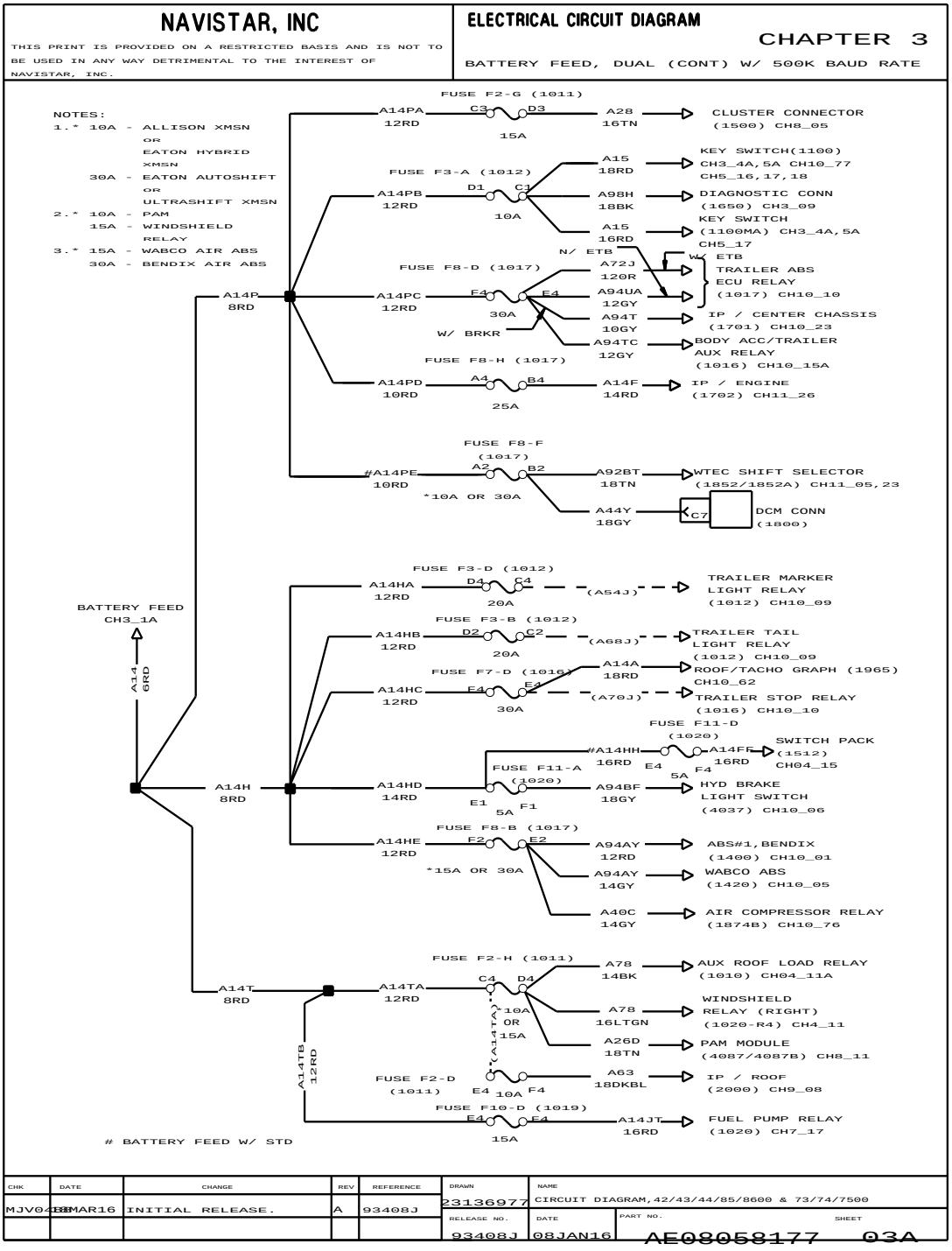

Figure 18 Battery Feed, Dual with 500K Baud Rate (Cont.)

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3.7. ACCESSORY FEED, P. 4

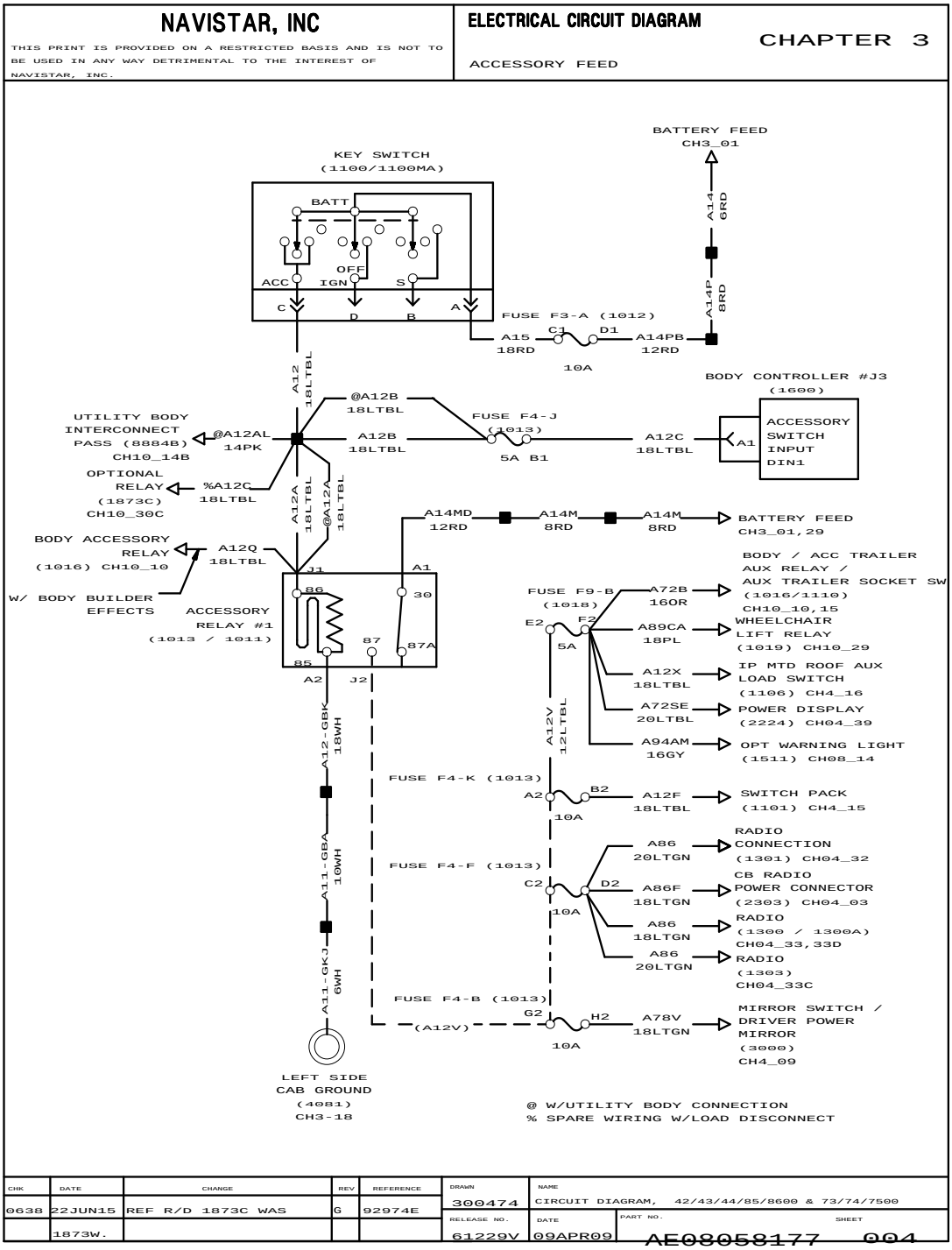

Figure 19 Accessory Feed

https://truckmanualshub.com/

3.8. ACCESSORY FEED STANDARD WITH BODY BUILDER WITH 500K BAUD RATE, P. 4A

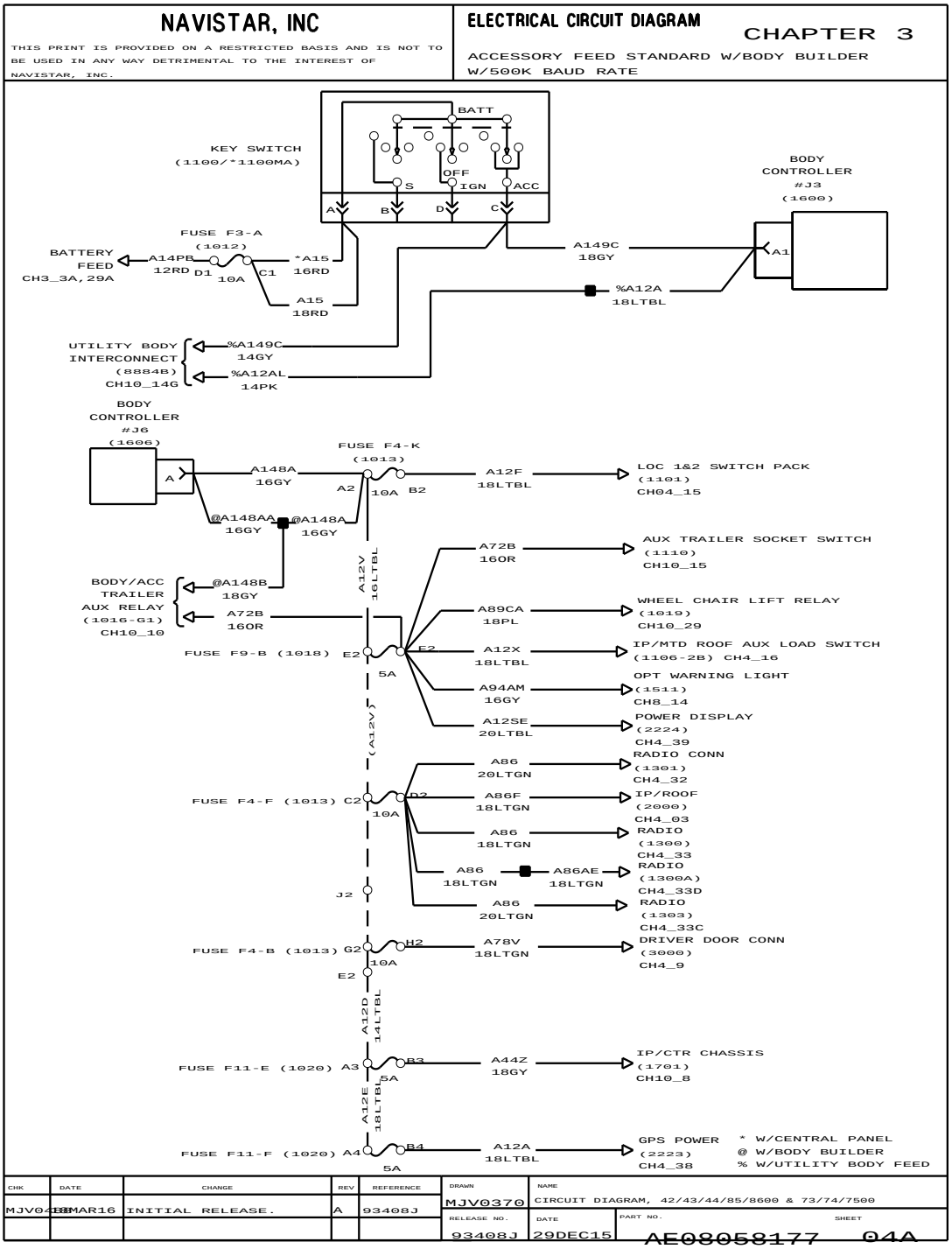

Figure 20 Accessory Feed Standard with Body Builder with 500K Baud Rate

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3.9. IGNITION FEED – STANDARD, THEFT DETERRENT, REMOTE START / STOP, P. 5

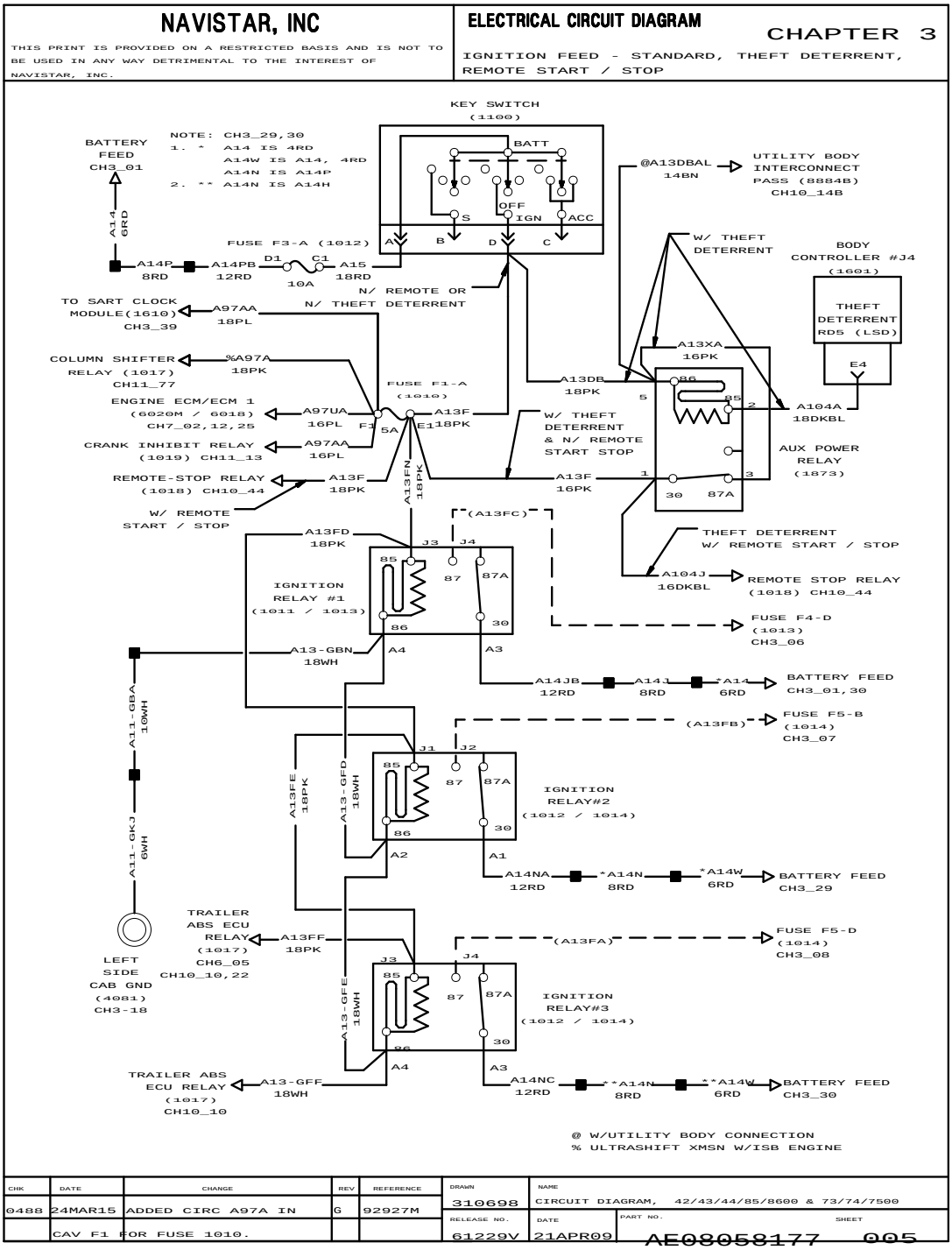

Figure 21 Ignition Feed – Standard, Theft Deterrent, Remote Start / Stop

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3.10. IGNITION FEED WITH 500K BAUD RATE, P. 5A

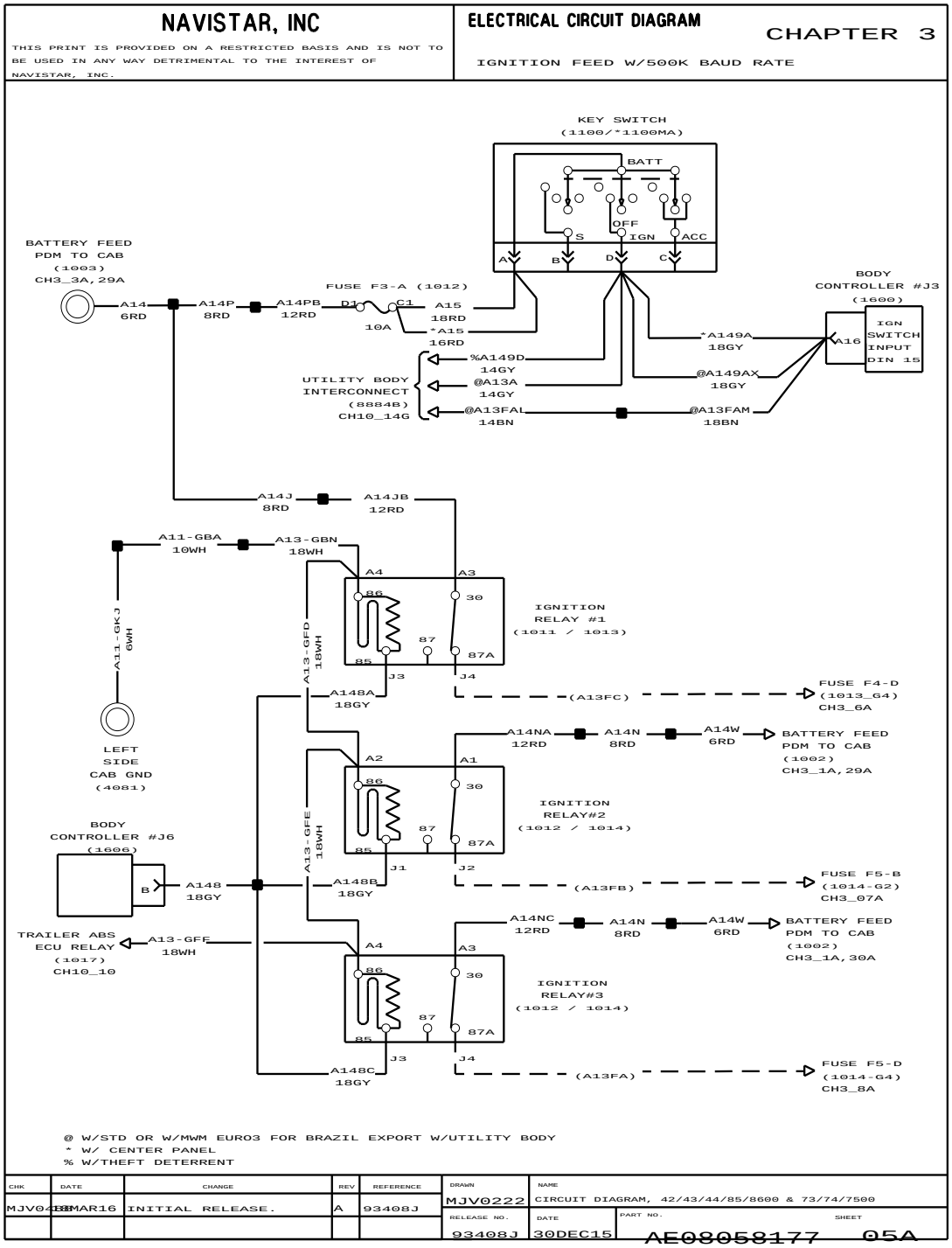

Figure 22 Ignition Feed with 500K Baud Rate

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3.11. IGNITION FEED – RELAY 1, P. 6

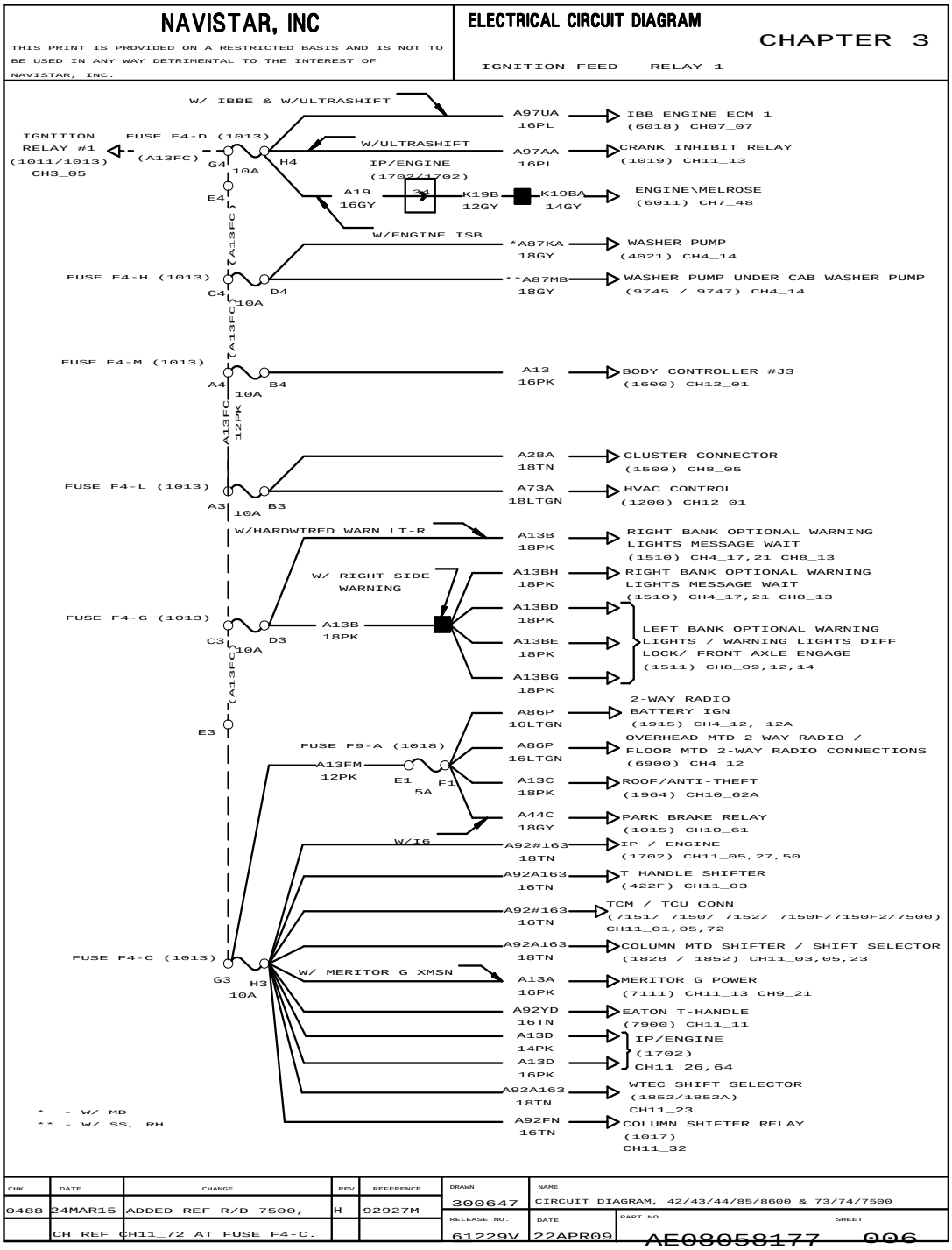

Figure 23 Ignition Feed – Relay 1

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3.12. IGNITION FEED WITH 500K BAUD RATE 1, P. 6A

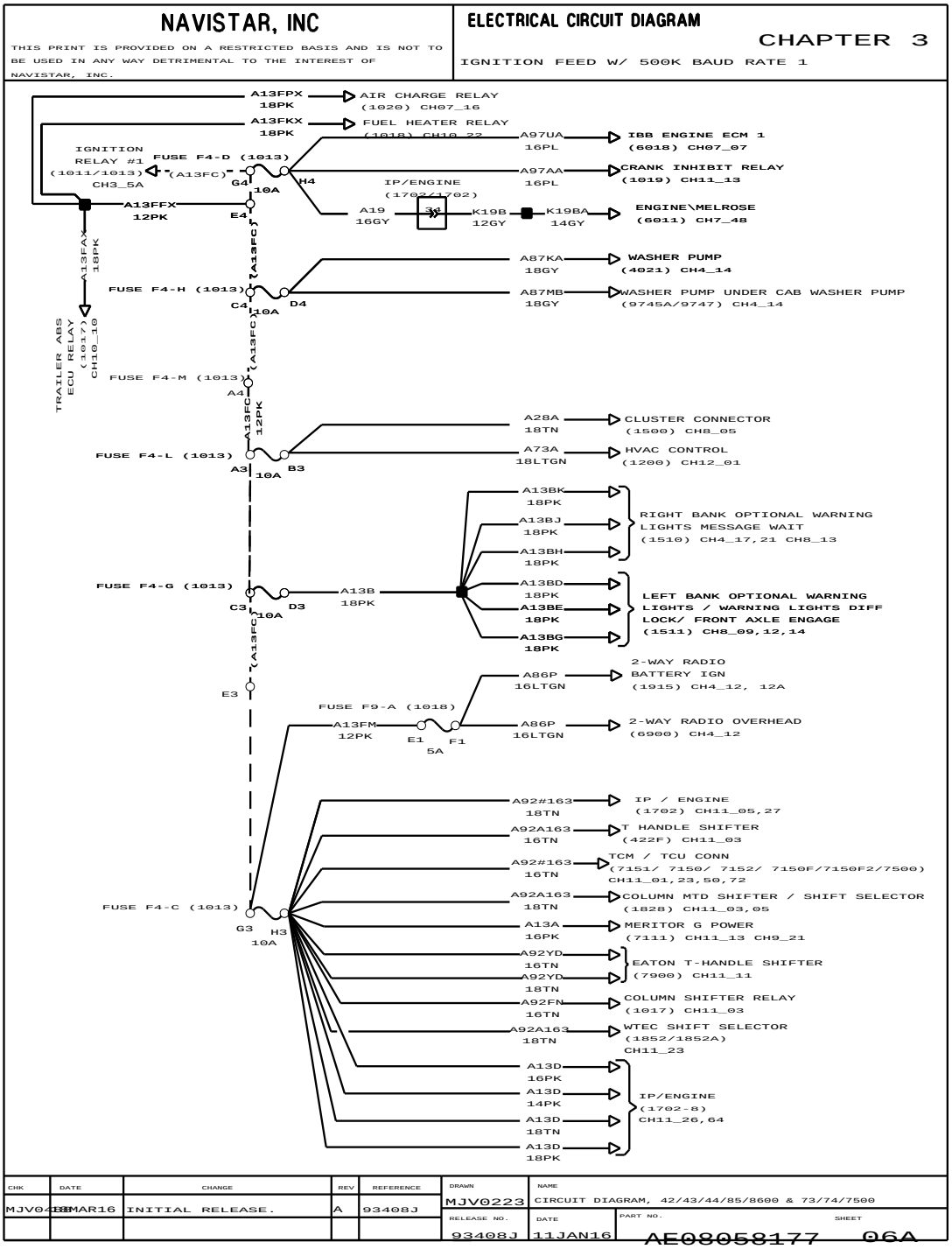

Figure 24 Ignition Feed with 500K Baud Rate 1

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3.13. IGNITION FEED – RELAY 2, P. 7

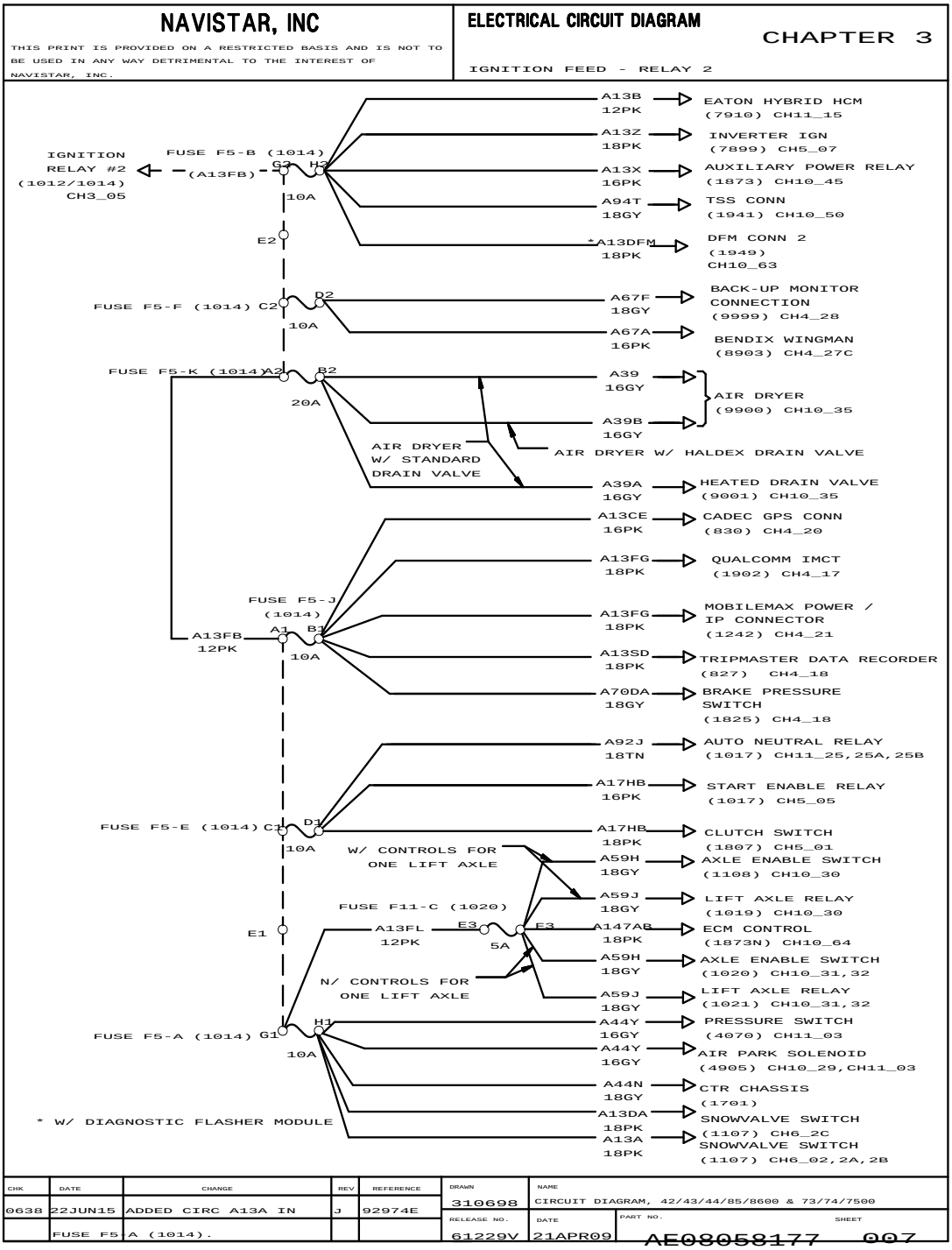

Figure 25 Ignition Feed – Relay 2

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3.14. IGNITION FEED – RELAY 2 (CONT.), P. 7A

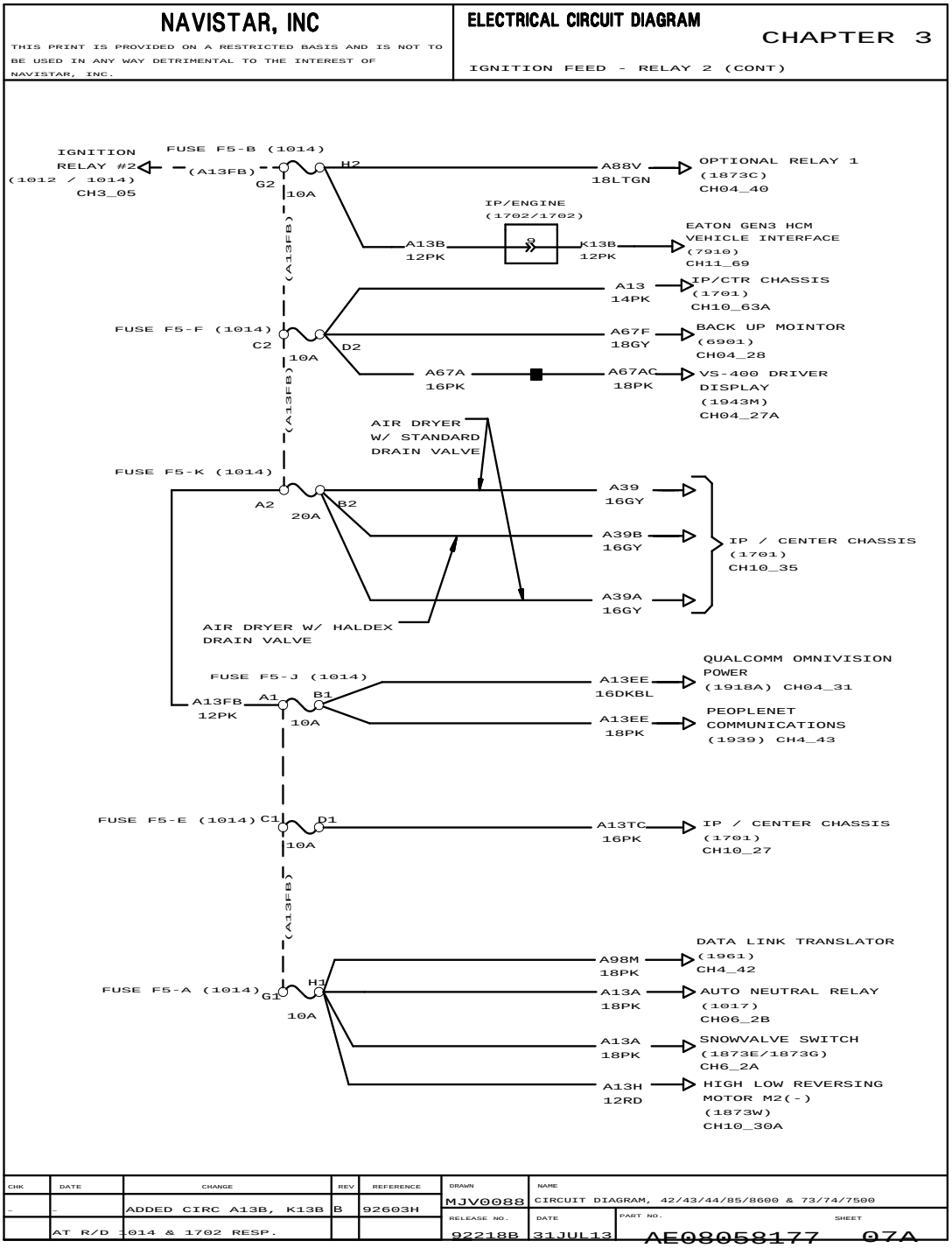

Figure 26 Ignition Feed – Relay 2 (Cont.)

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3.15. IGNITION FEED WITH 500K BAUD RATE 2, P. 7B

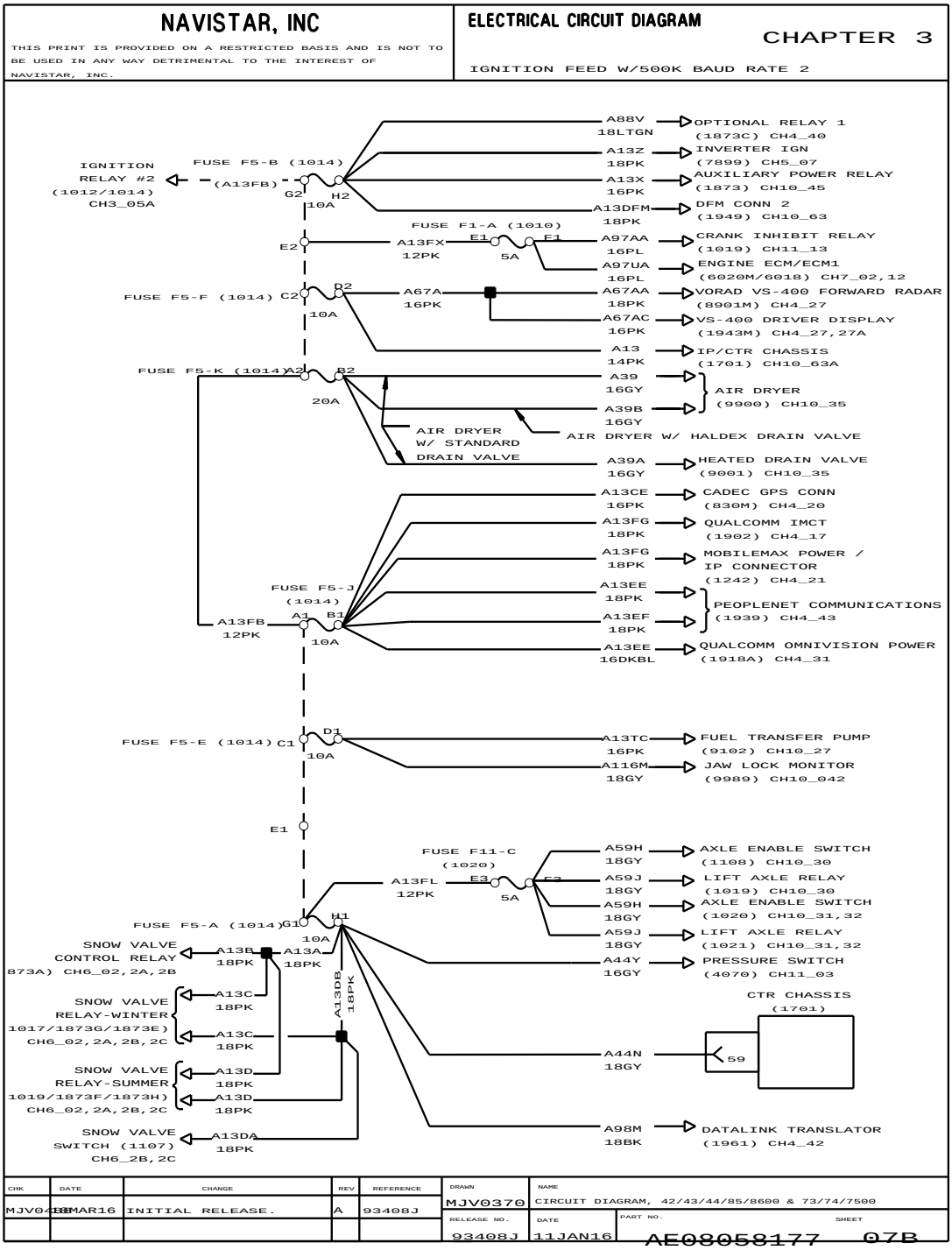

Figure 27 Ignition Feed with 500K Baud Rate 2

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3.16. IGNITION FEED – RELAY 3, P. 8

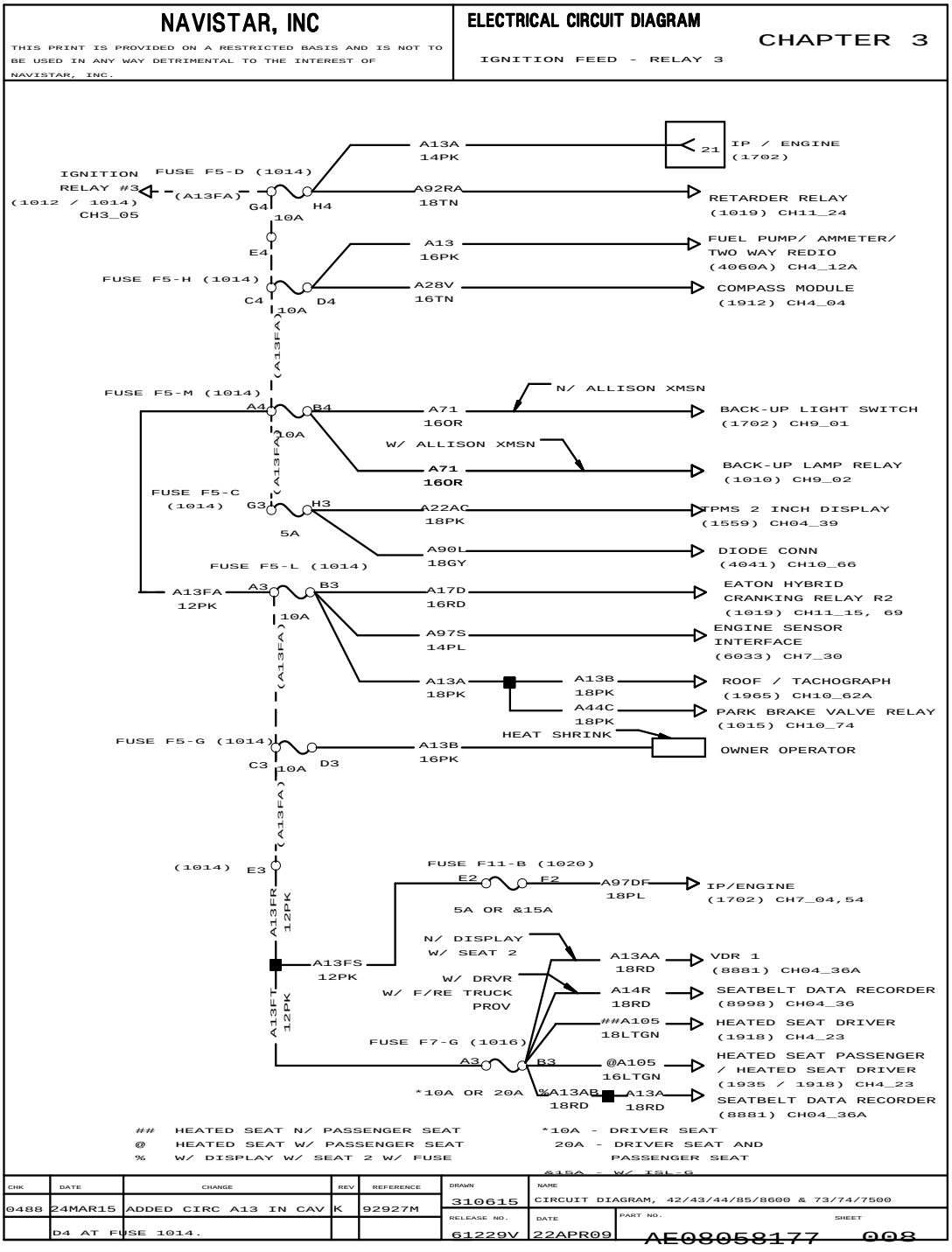

Figure 28 Ignition Feed – Relay 3

https://truckmanualshub.com/

3.17. IGNITION FEED – RELAY 3 WITH 500K BAUD RATE, P. 8A

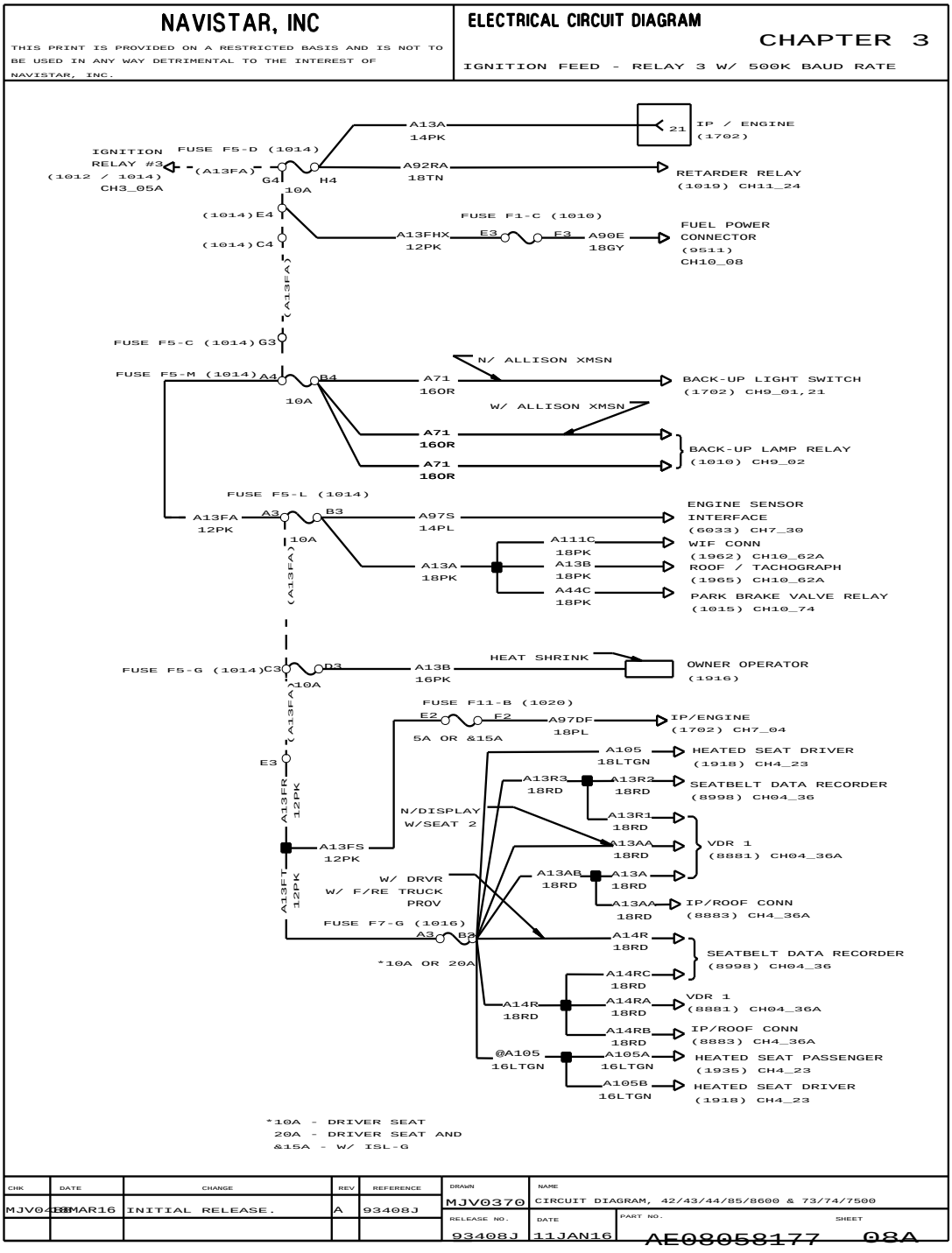

Figure 29 Ignition Feed – Relay 3 with 500K Baud Rate

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3.18. J1708 DATA LINK – PUBLIC EFFECTS, P. 9

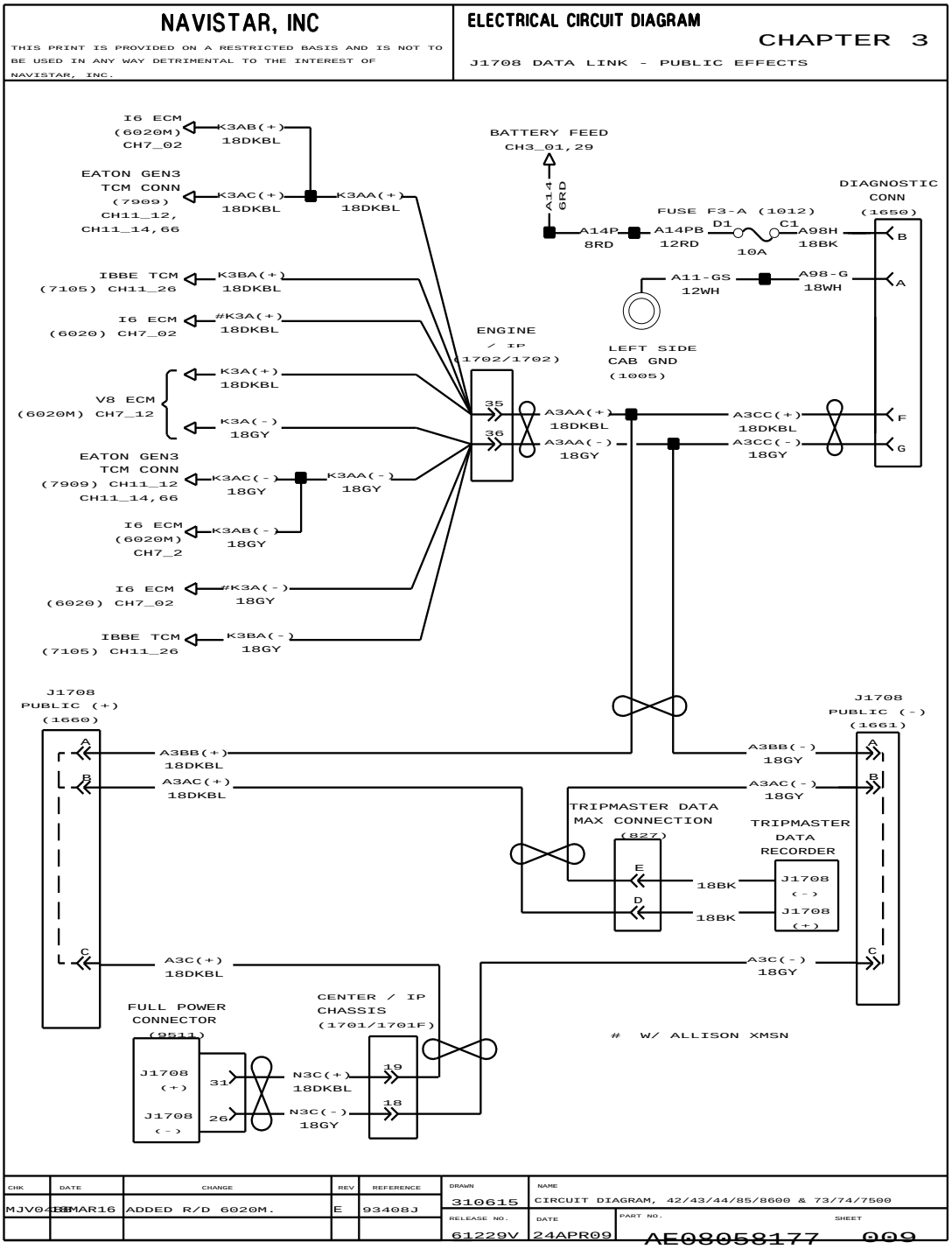

Figure 30 J1708 Data Link – Public Effects

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3.19. J1708 DATA LINK – PUBLIC EFFECTS (CONT.), P. 10

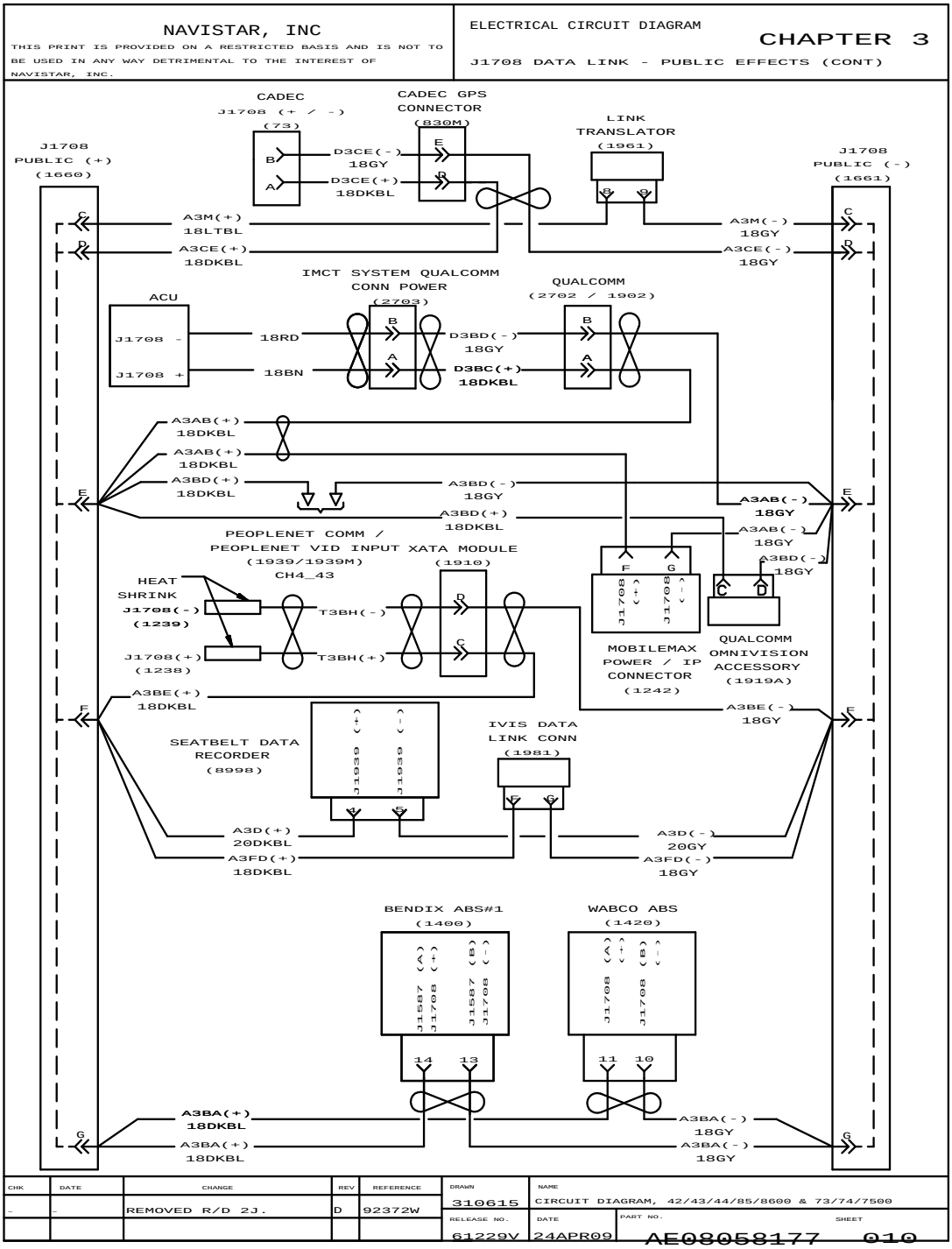

Figure 31 J1708 Data Link – Public Effects (Cont.)

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3.20. J1708 DATA LINK – PRIVATE WITH POWER WINDOW AND LOCK, P. 11

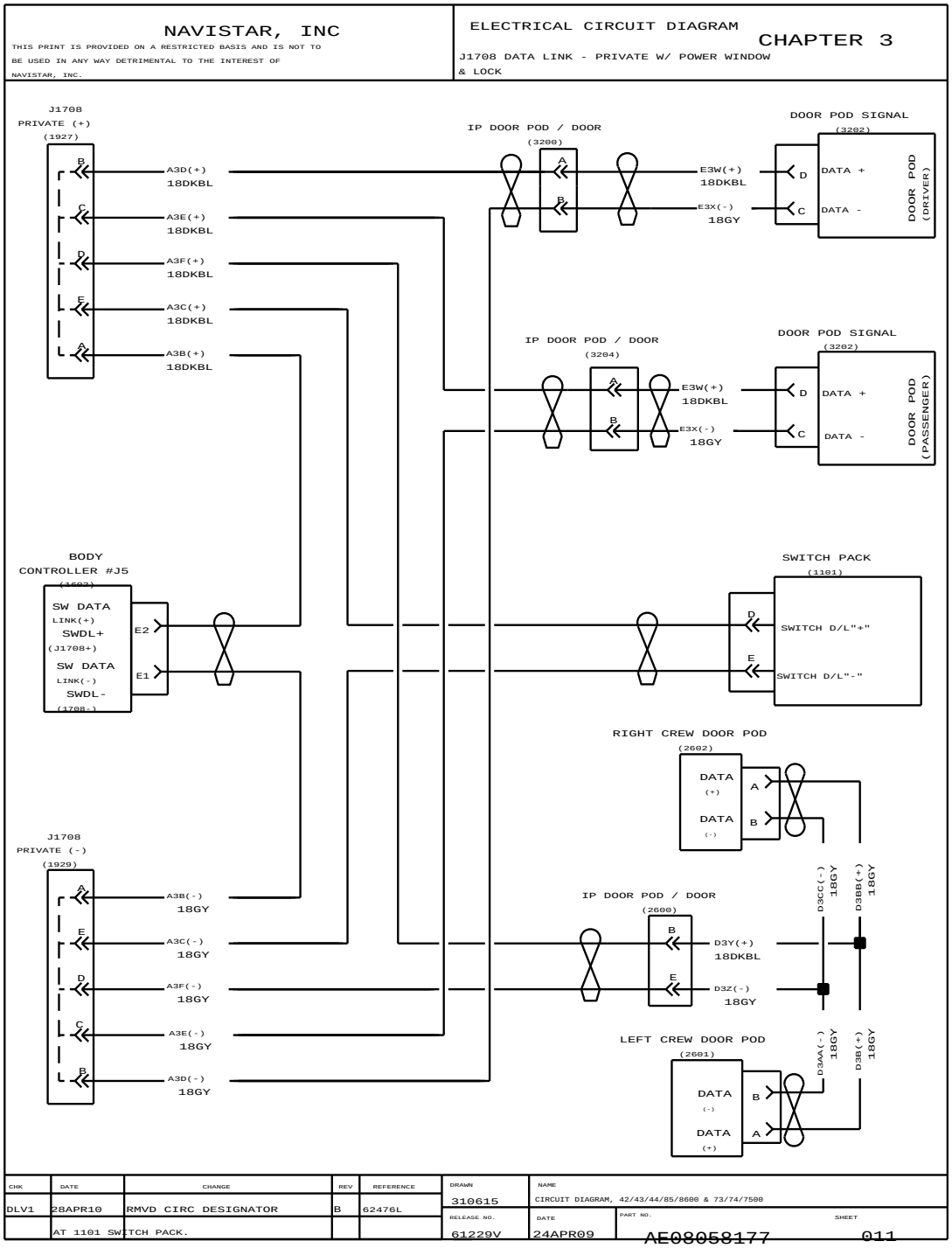

Figure 32 J1708 Data Link – Private with Power Window and Lock

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3.21. J1939 DATA LINK, P. 12

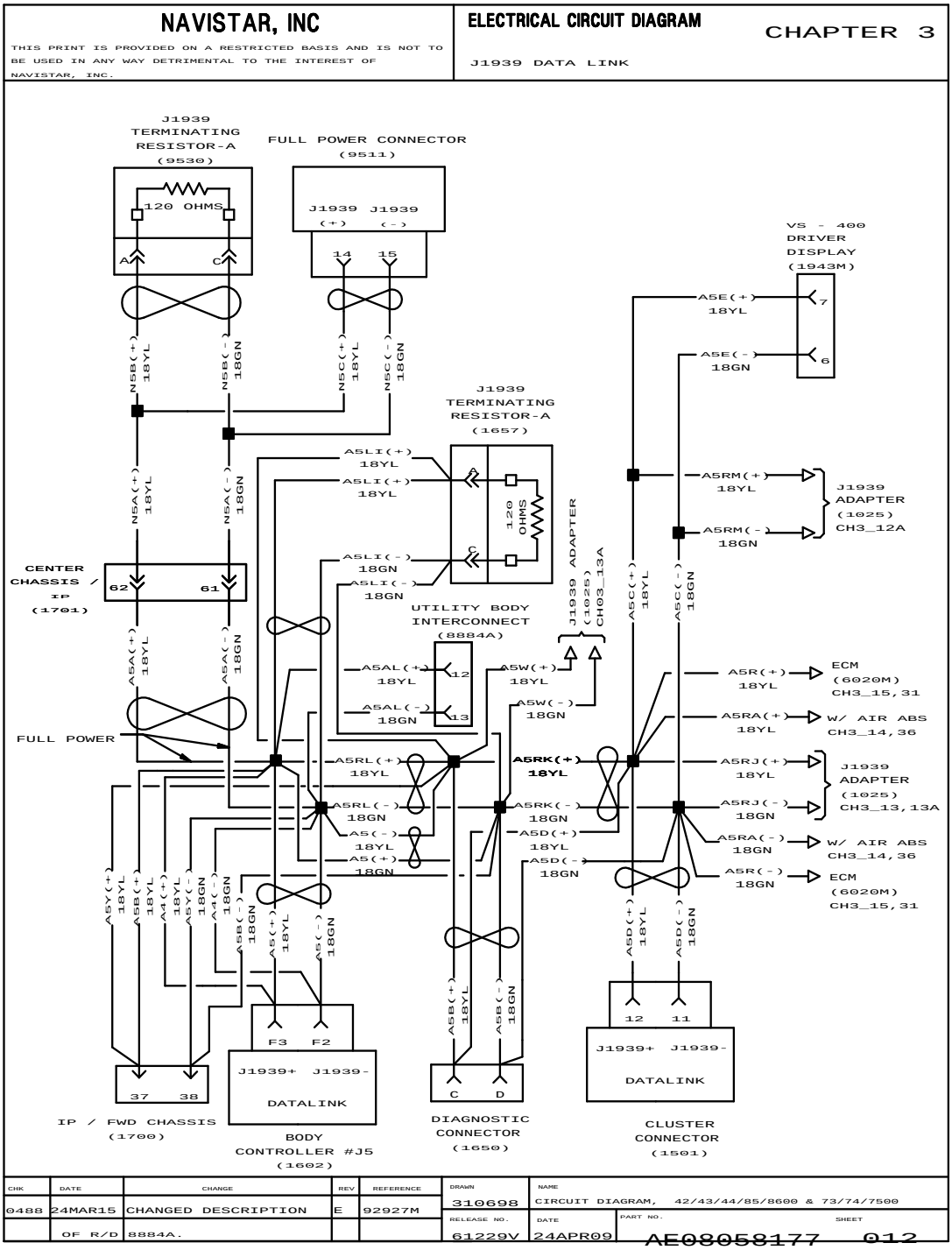

Figure 33 J1939 Data Link

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3.22. J1939 DATA LINK WITH UTILITY BODY CONNECTIONS, P. 12A

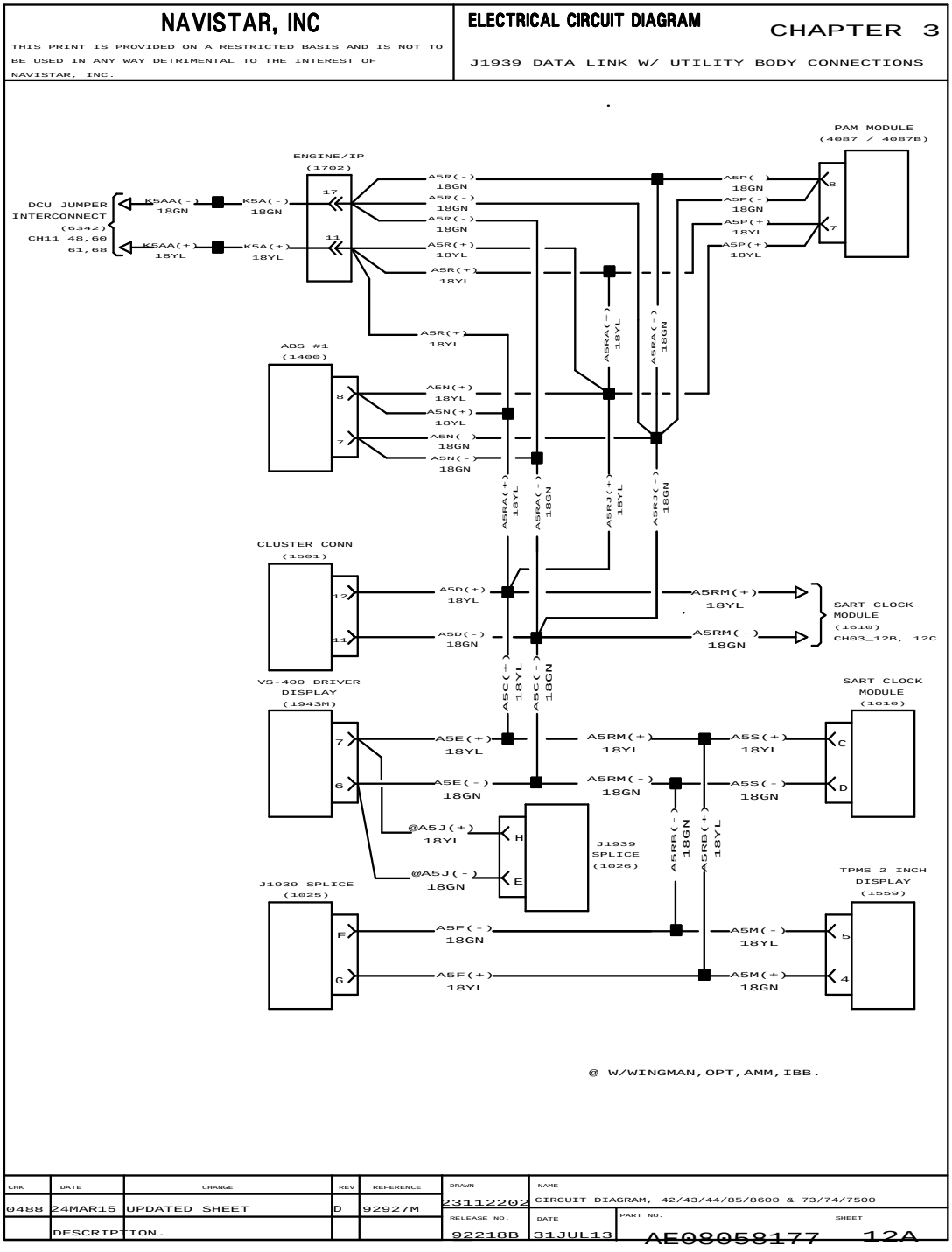

Figure 34 J1939 Data Link with Utility Body Connections

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3.23. J1939 DATA LINK WITH UTILITY BODY CONNECTIONS (CONT.), P. 12B

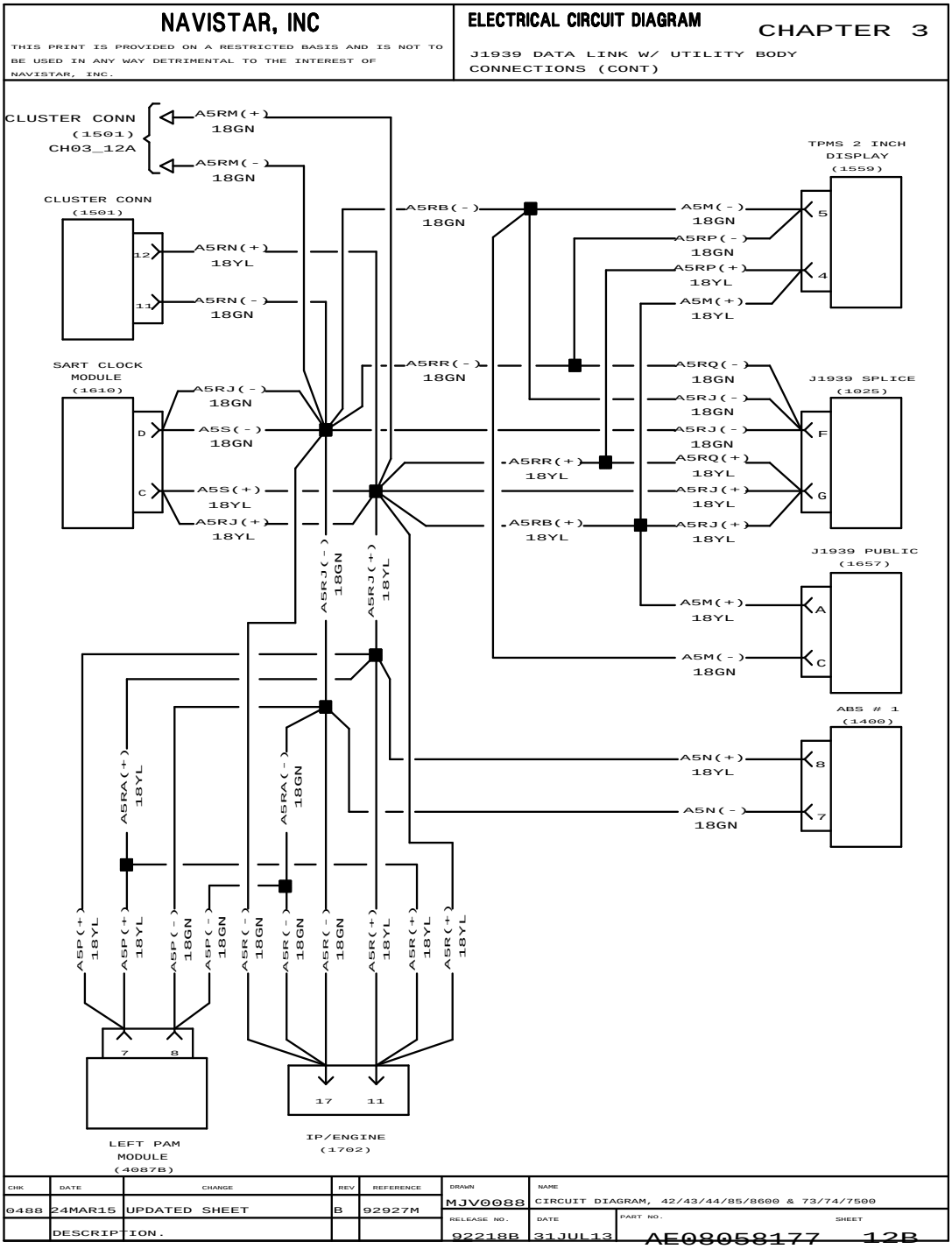

Figure 35 J1939 Data Link with Utility Body Connections (Cont.)

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3.24. J1939 DATA LINK WITH UTILITY BODY CONNECTIONS (CONT.), P. 12C

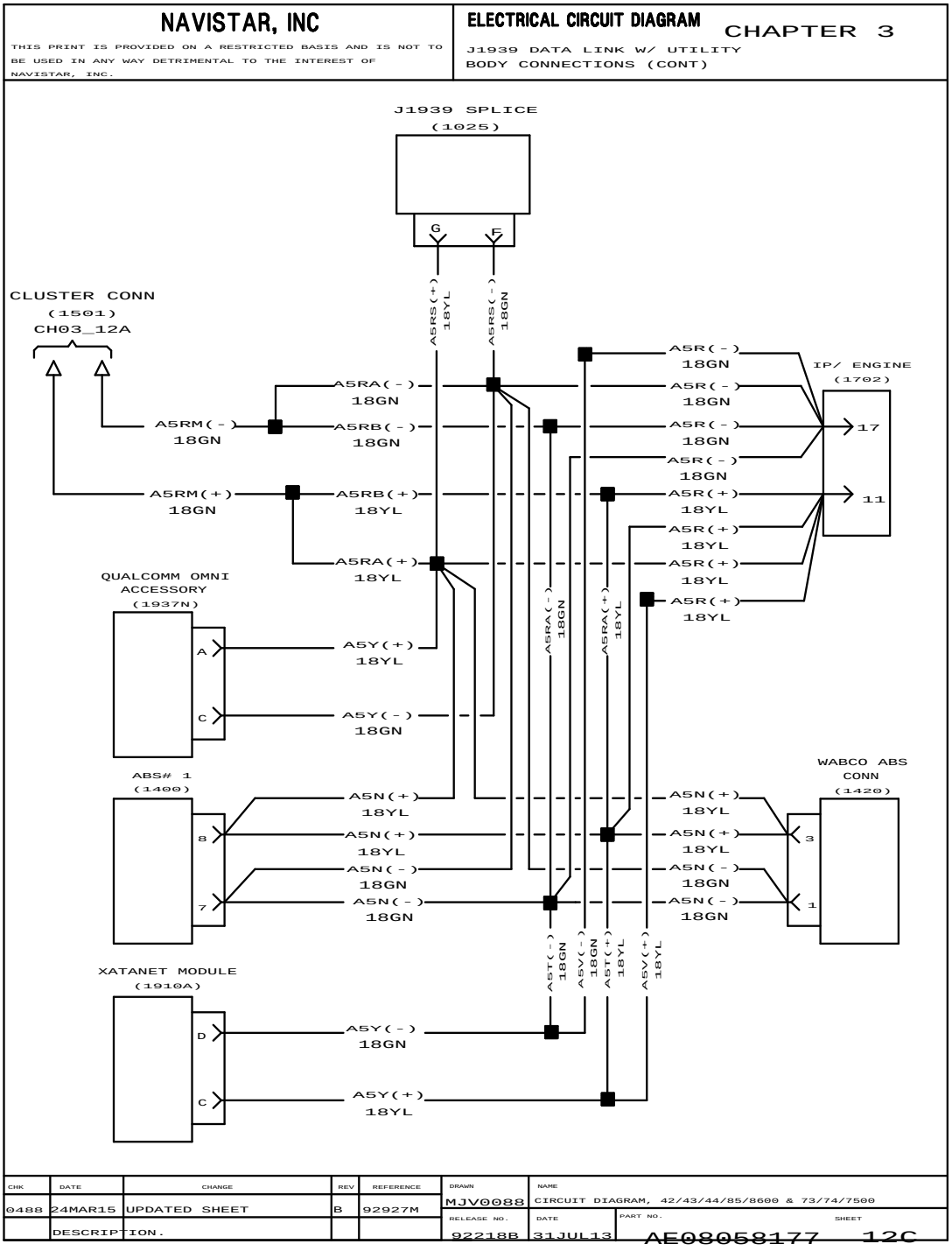

Figure 36 J1939 Data Link with Utility Body Connections

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3.25. J1939 DATA LINK WITH OPTIONS, P. 12D

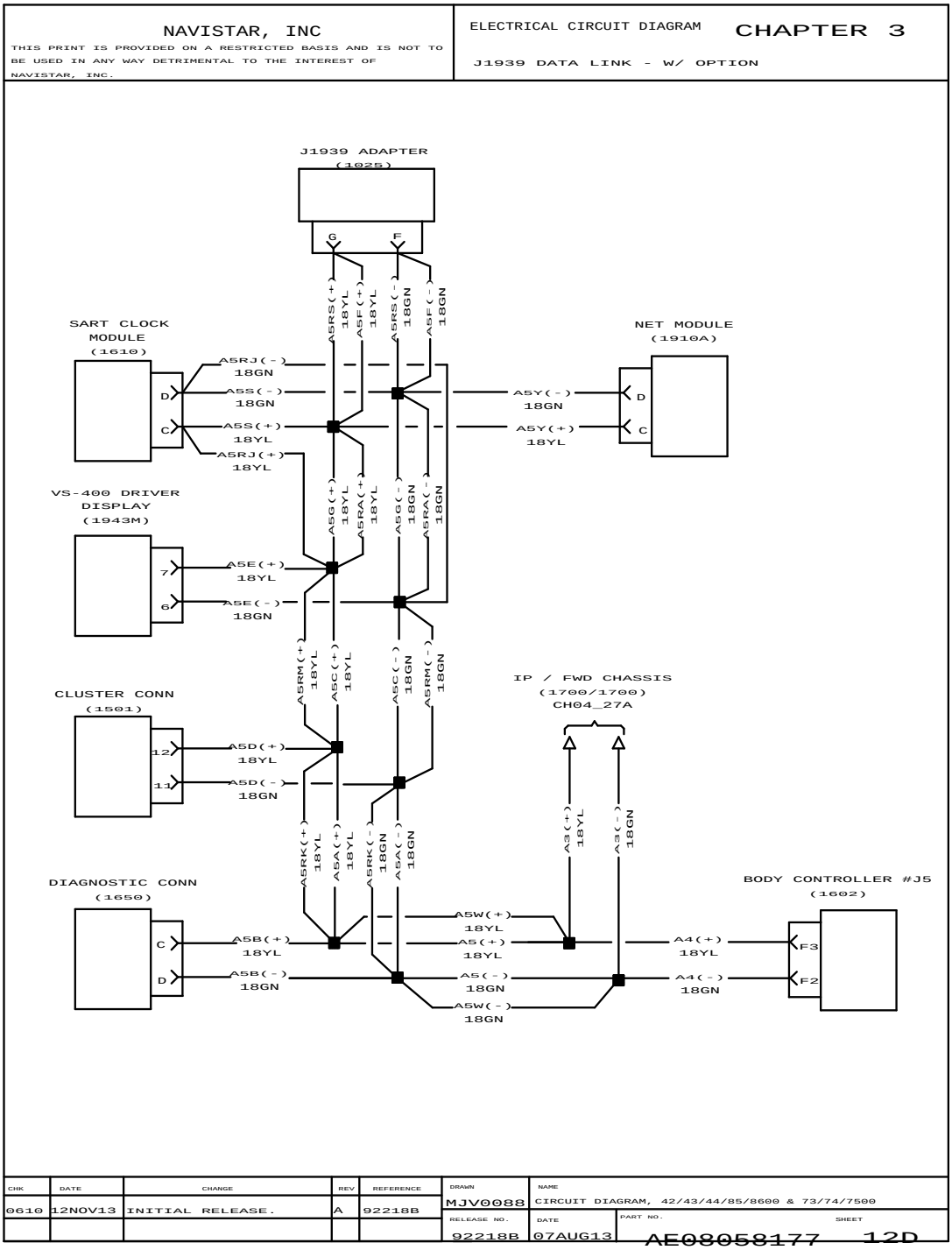

Figure 37 J1939 Data Link with Options

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3.26. J1939 DATA LINK WITH OPTIONS (CONT.), P. 13

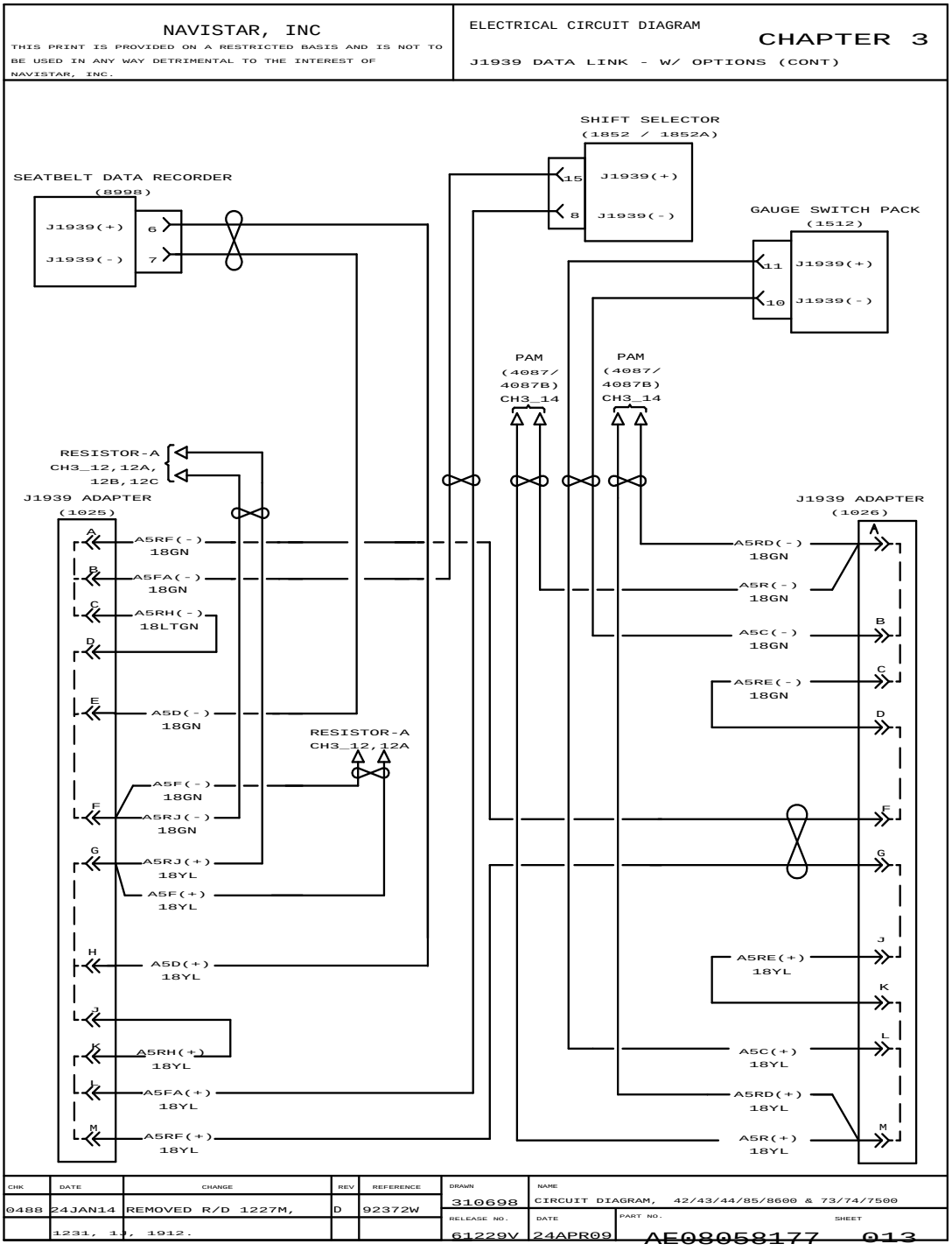

Figure 38 J1939 Data Link with Options (Cont.)

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3.27. J1939 DATA LINK WITH OPTIONS (CONT.), P. 13A

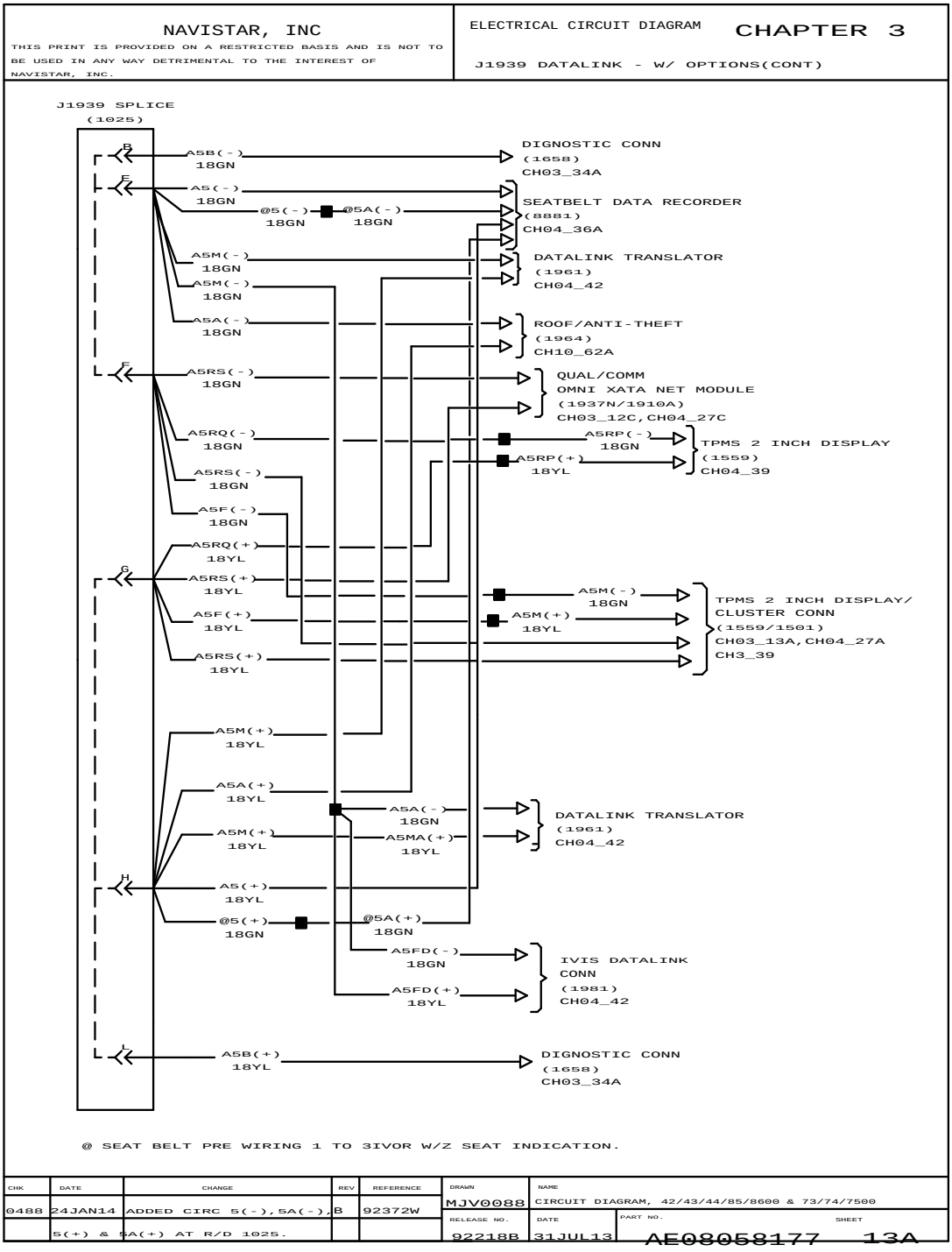

Figure 39 J1939 Data Link with Options (Cont.)

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3.28. J1939 DATA LINK WITH OPTIONS (CONT.), P. 13B

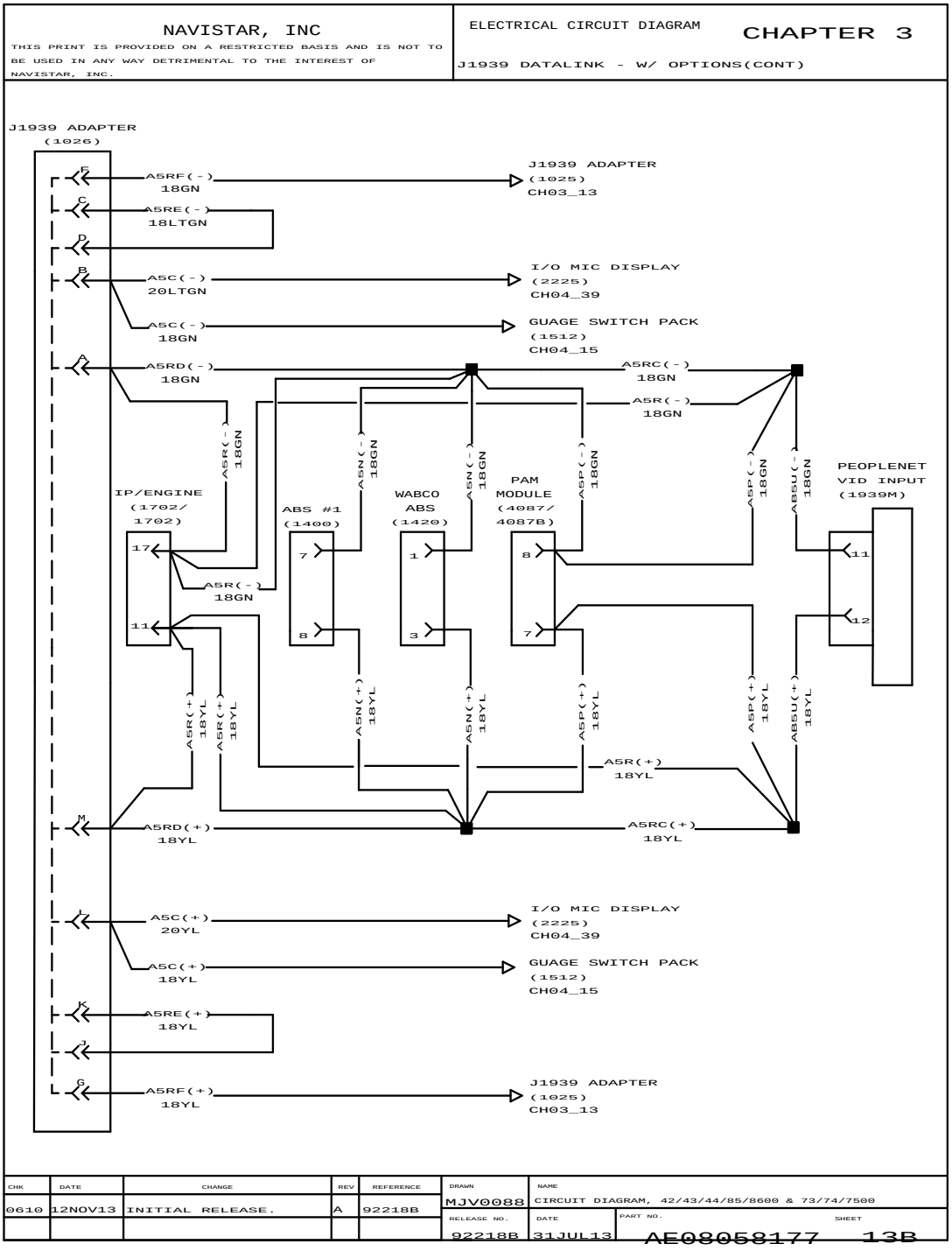

Figure 40 J1939 Data Link with Options (Cont.)

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3.29. J1939 DATA LINK WITH OPTIONS (CONT.), P. 14

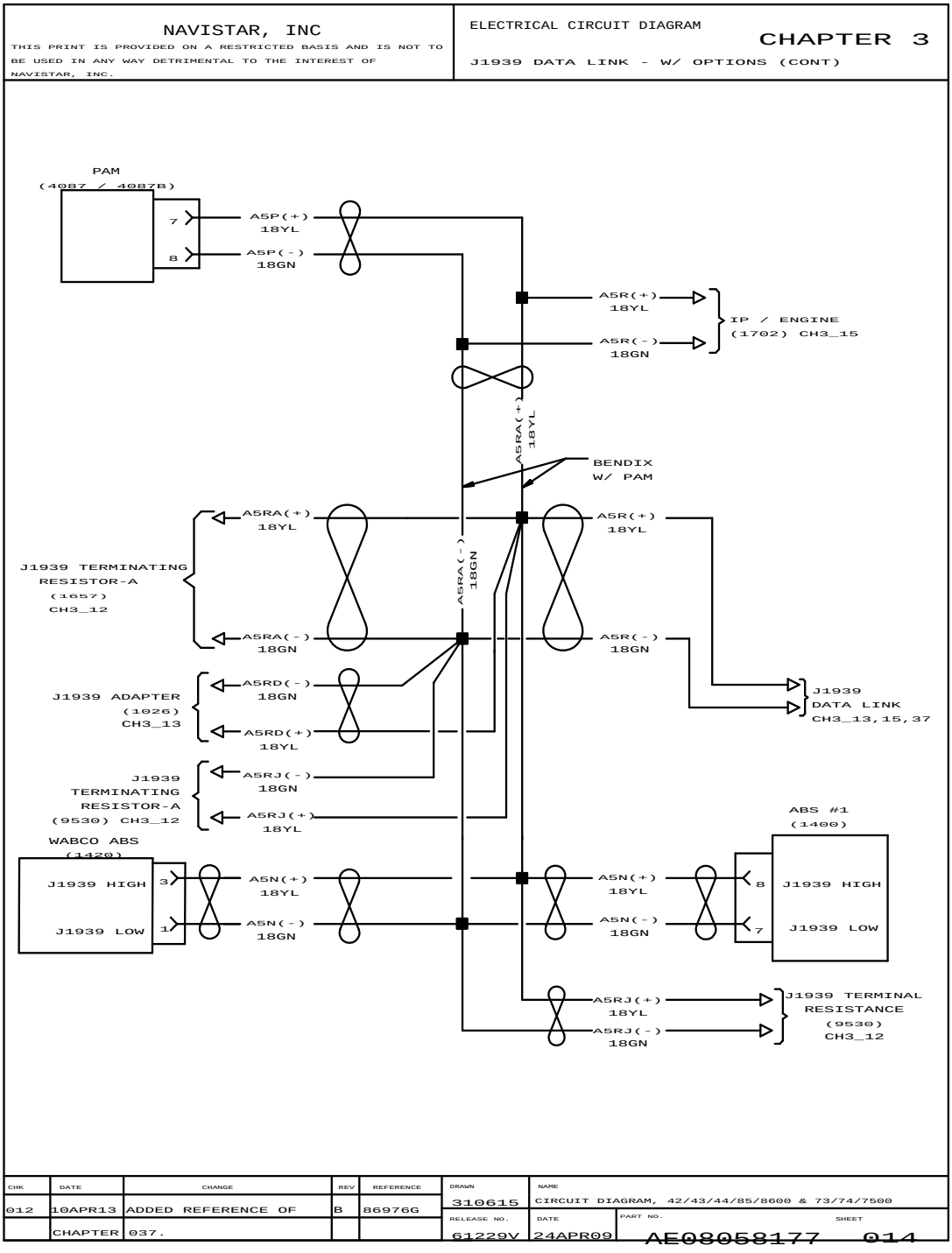

Figure 41 J1939 Data Link with Options (Cont.)

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3.30. J1939 DATA LINK – I6 ENGINE, P. 15

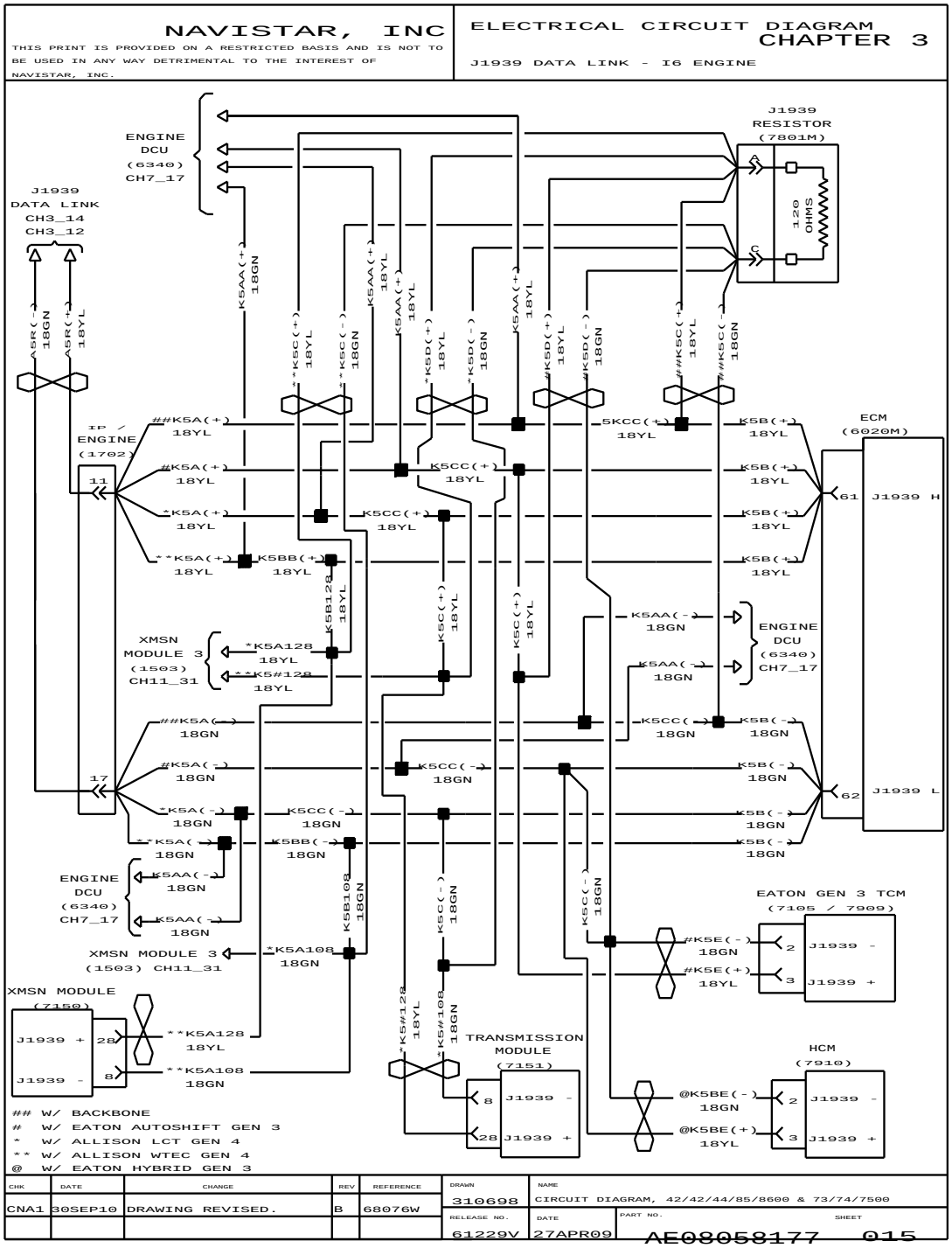

Figure 42 J1939 Data Link – I6 Engine

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3.31. J1939 DATA LINK – IBB ENGINE, P. 16

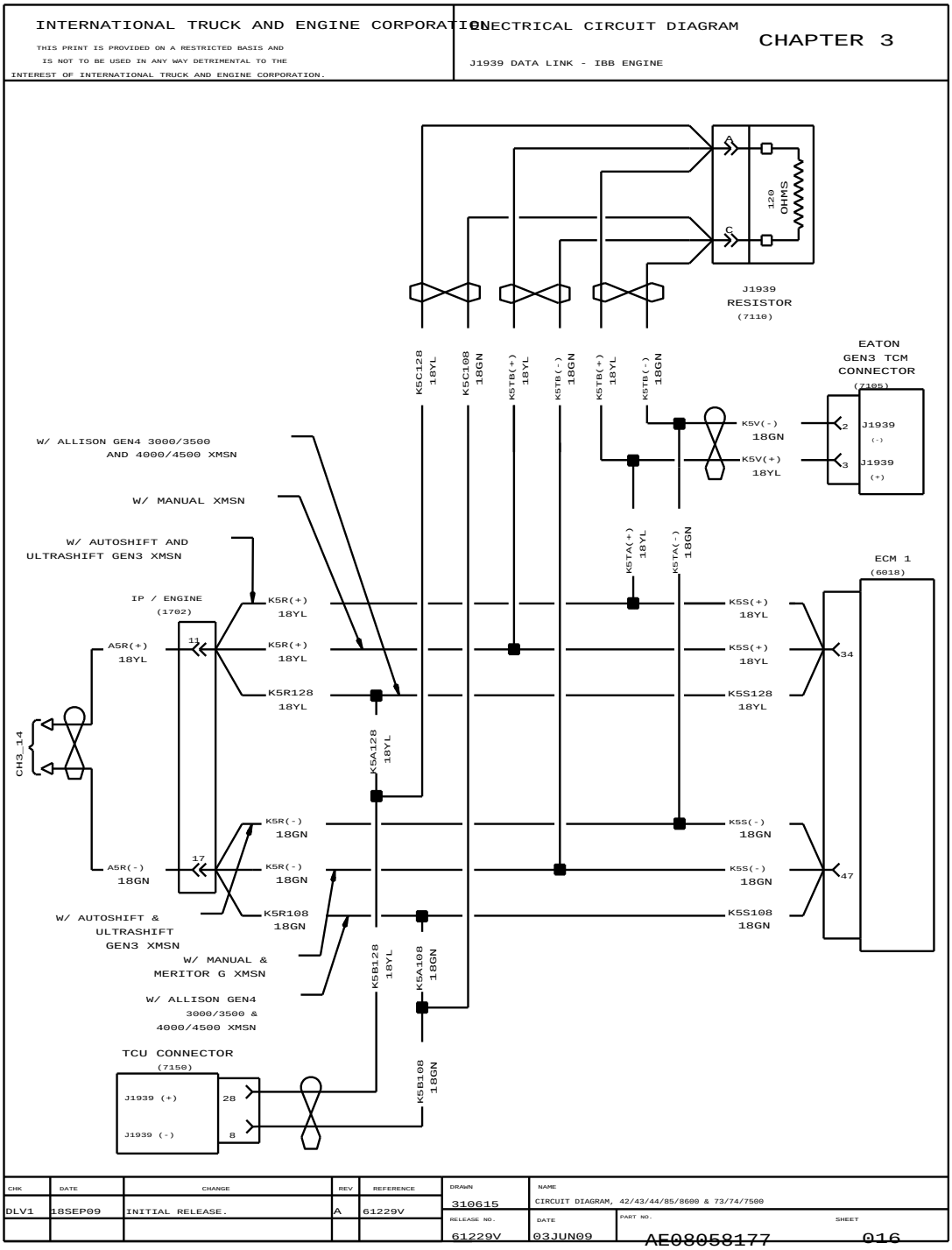

Figure 43 J1939 Data Link – IBB Engine

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3.32. J1939 DATA LINK – IBB ENGINE (CONT.), P. 16A

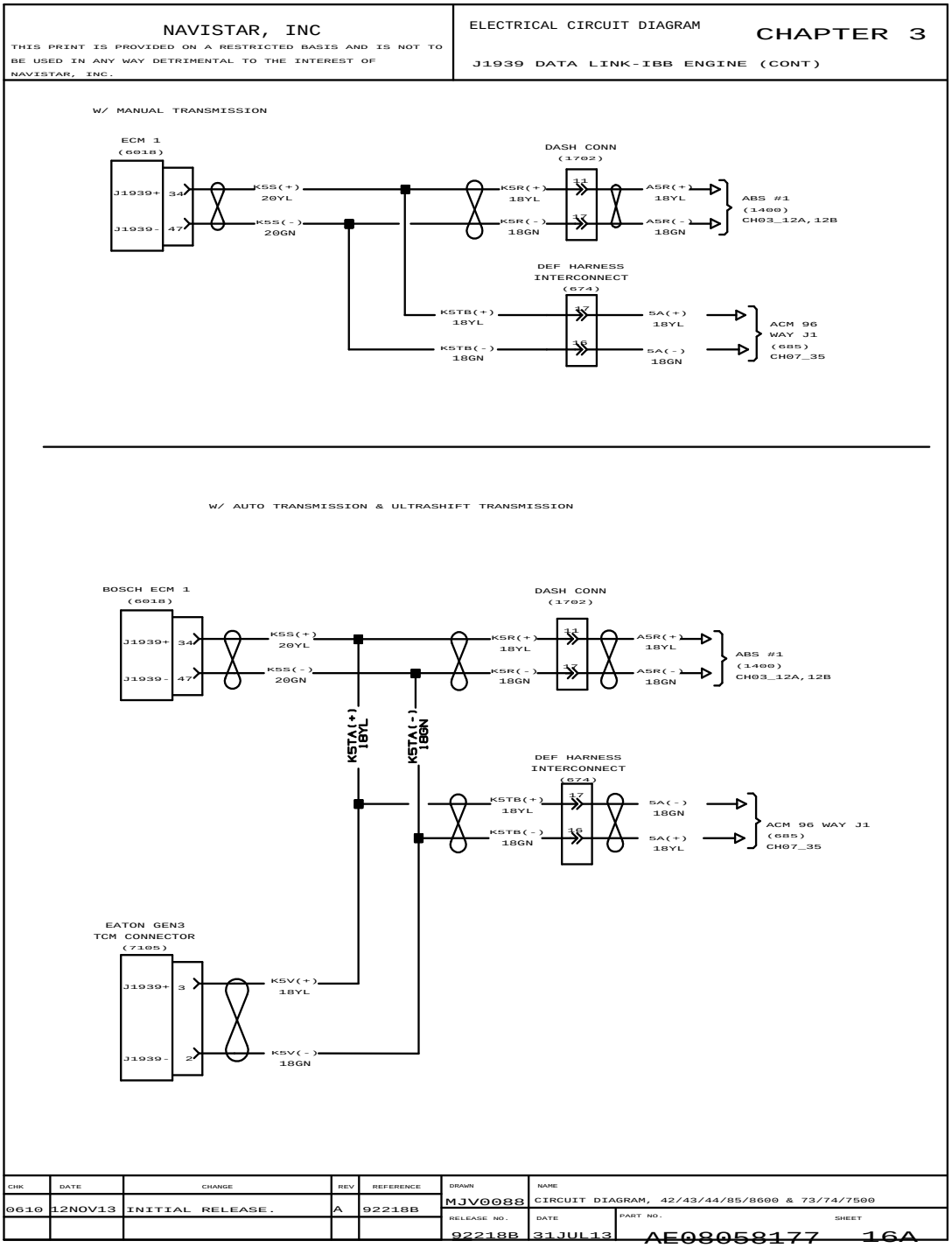

Figure 44 J1939 Data Link – IBB Engine (Cont.)

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3.33. GROUND – IP, P. 17

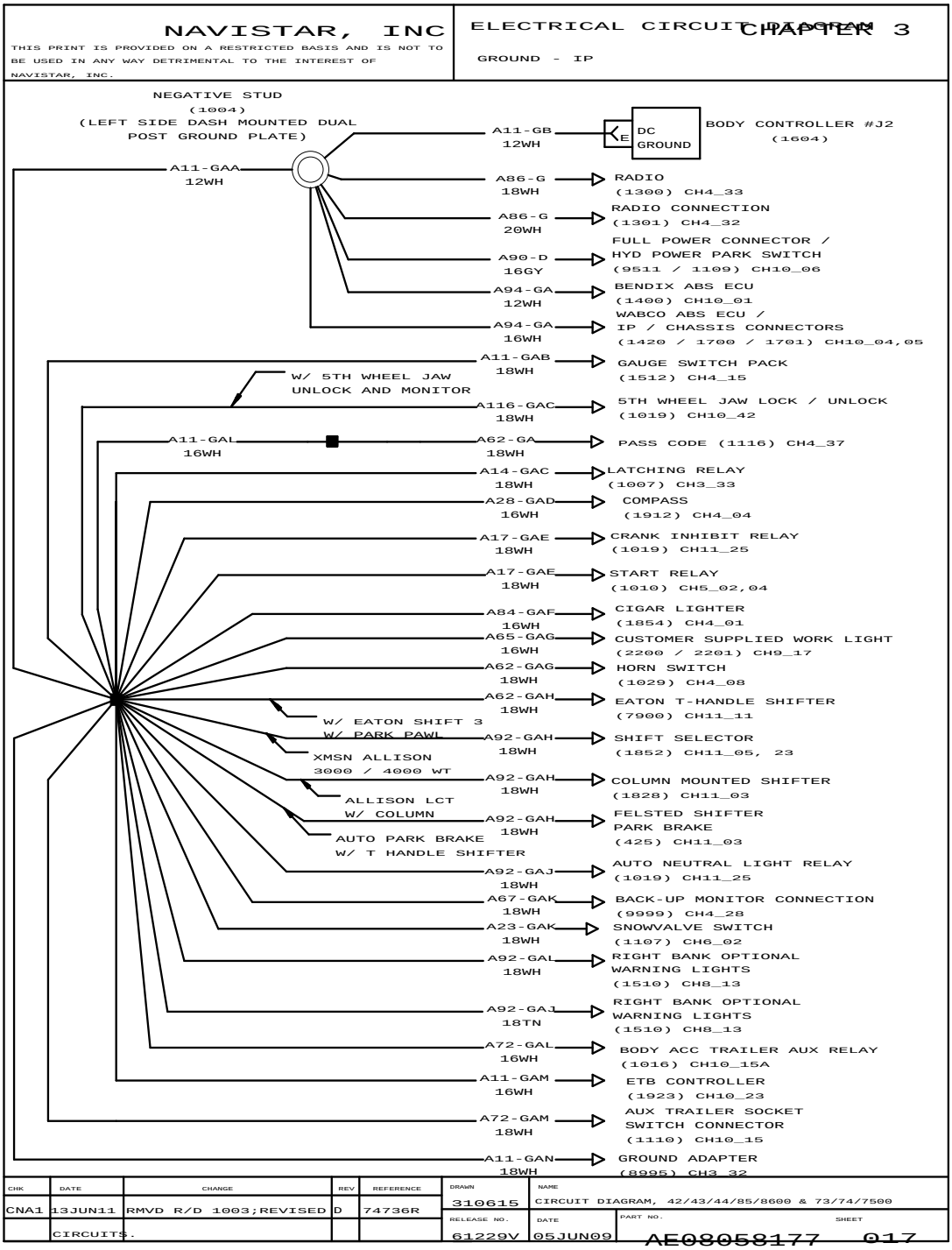

Figure 45 Ground – IP

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3.34. GROUND – IP (CONT.), P. 18

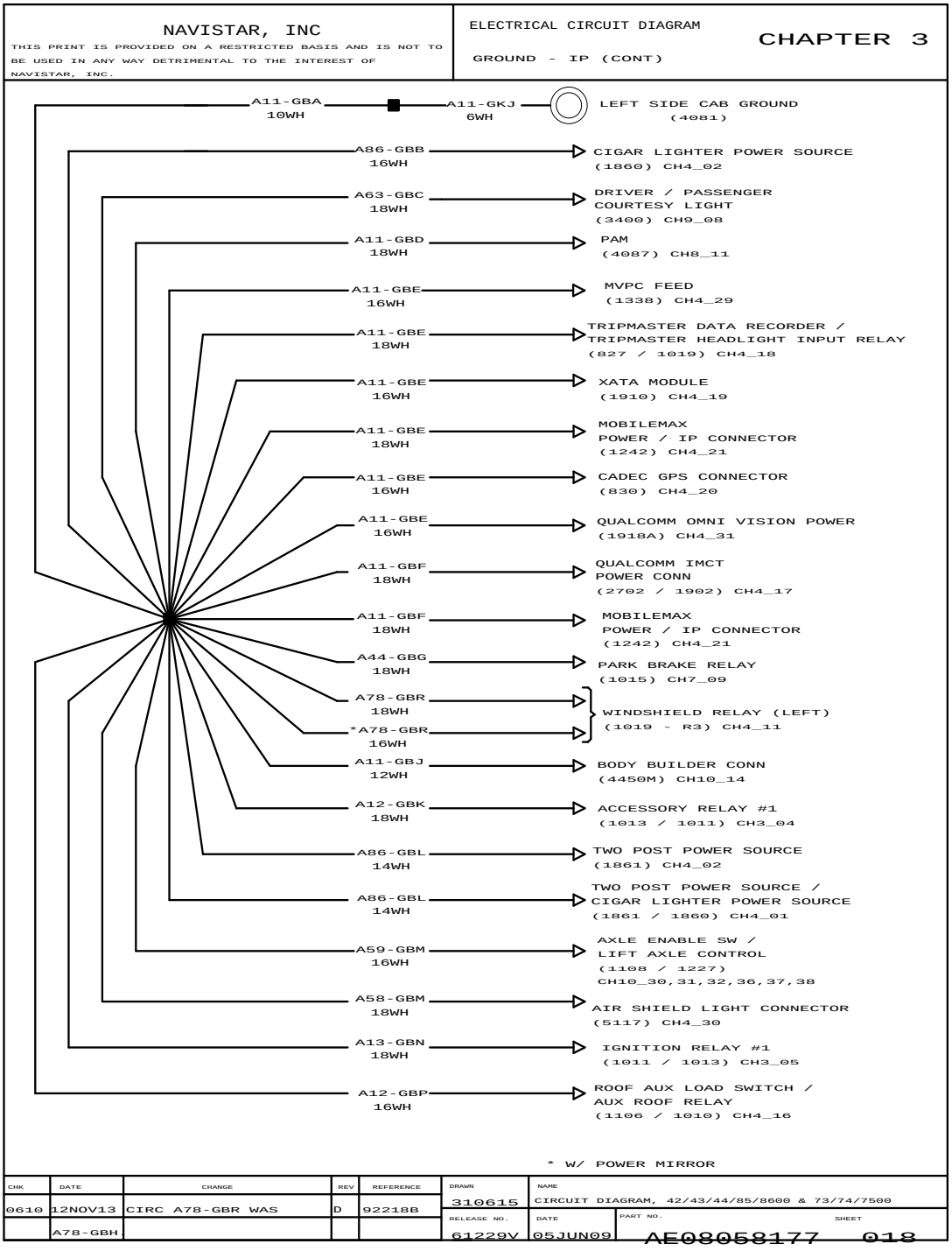

Figure 46 Ground – IP (Cont.)

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3.35. GROUND – IP (CONT.), P. 19

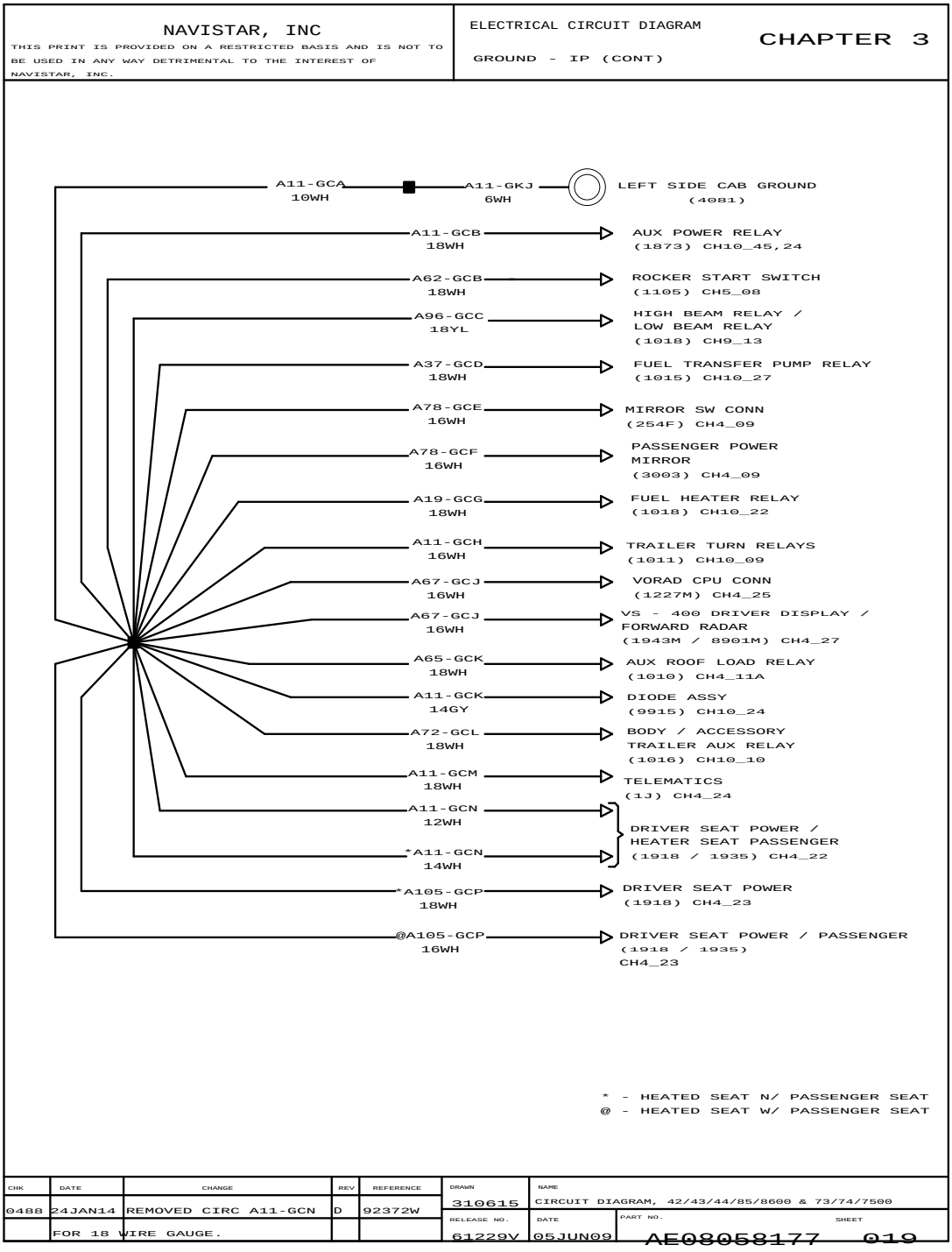

Figure 47 Ground – IP (Cont.)

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3.36. GROUND – IP (CONT.), P. 20

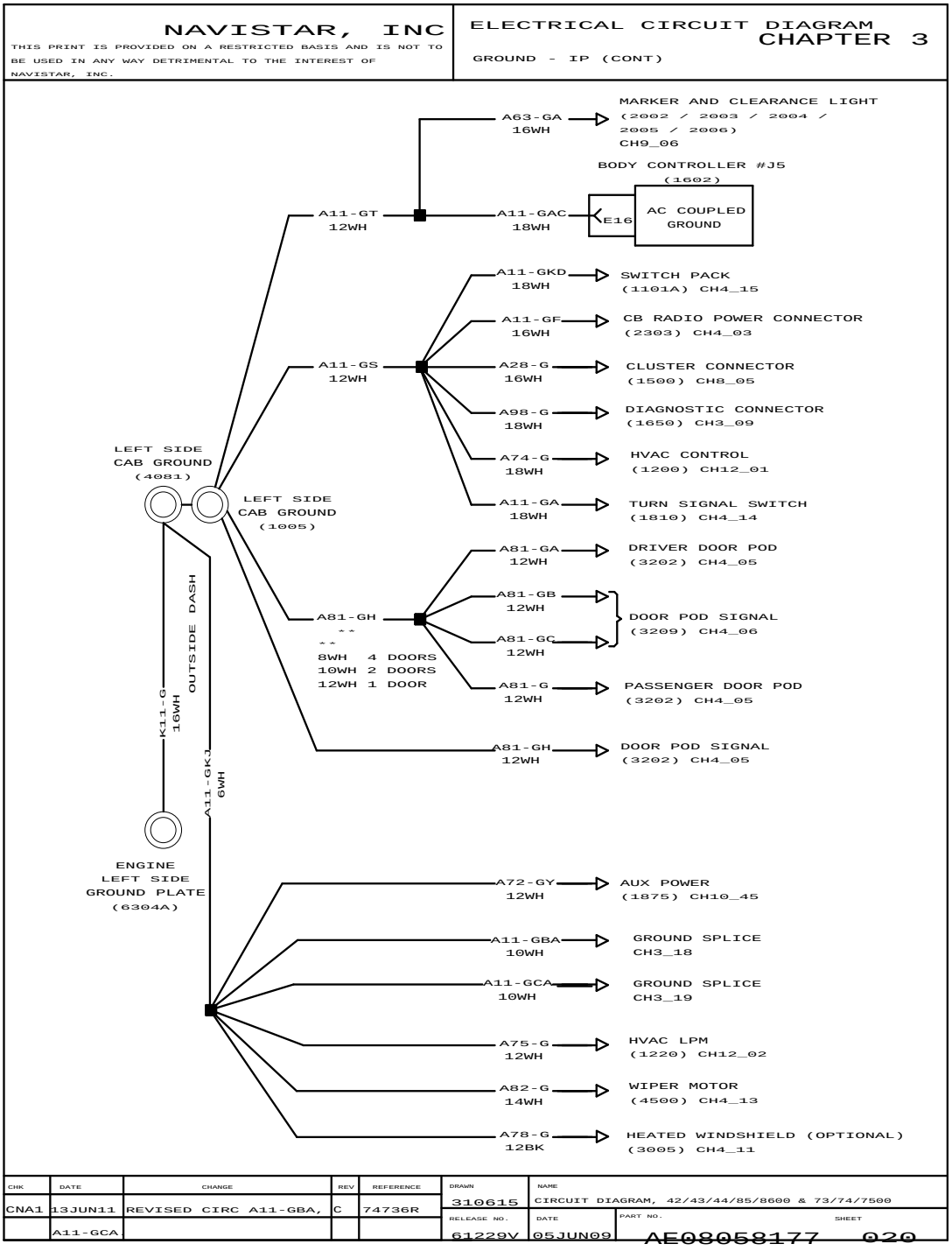

Figure 48 Ground – IP (Cont.)

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3.37. GROUND – CHASSIS, P. 21

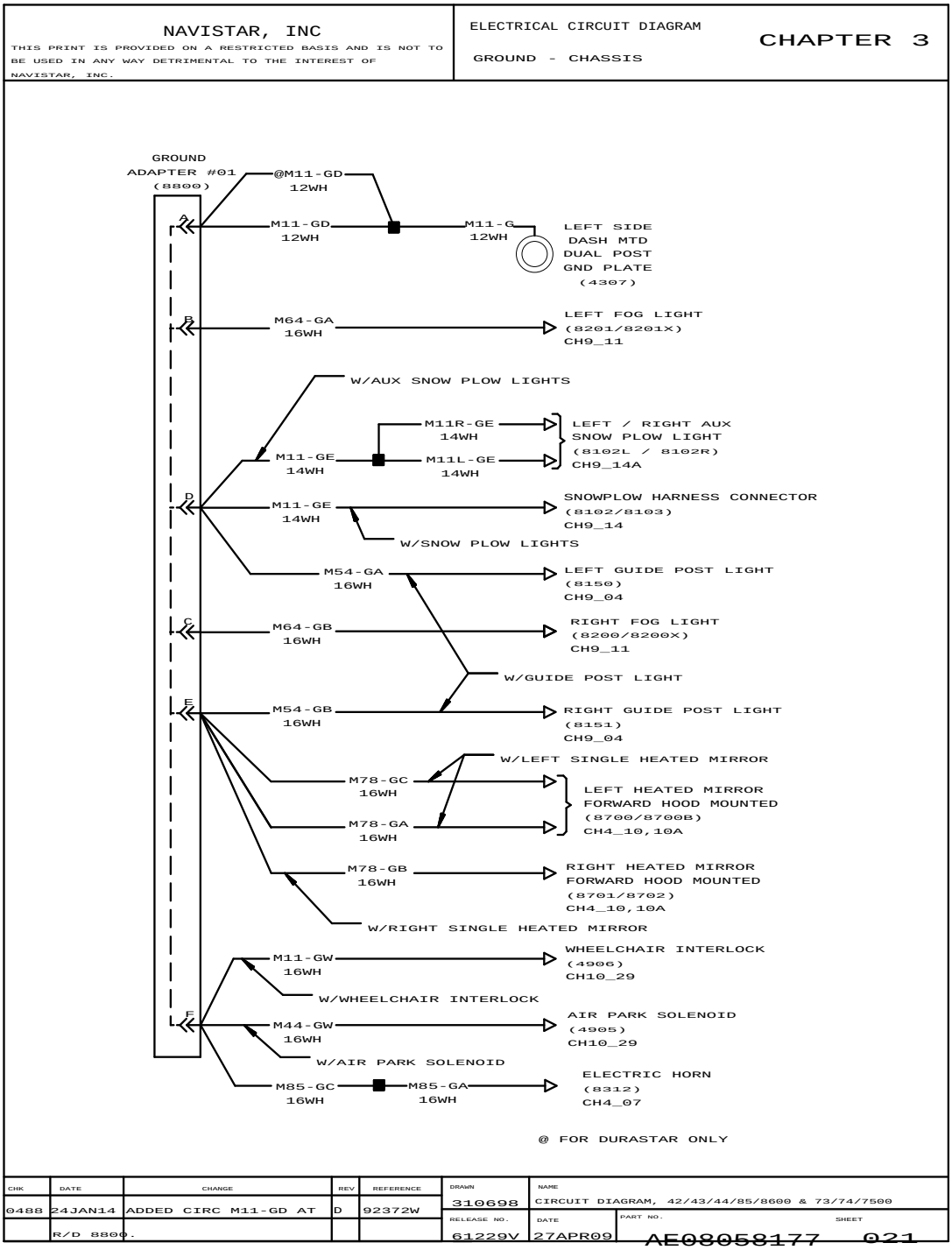

Figure 49 Ground – Chassis

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3.38. GROUND – CHASSIS (CONT.), P. 22

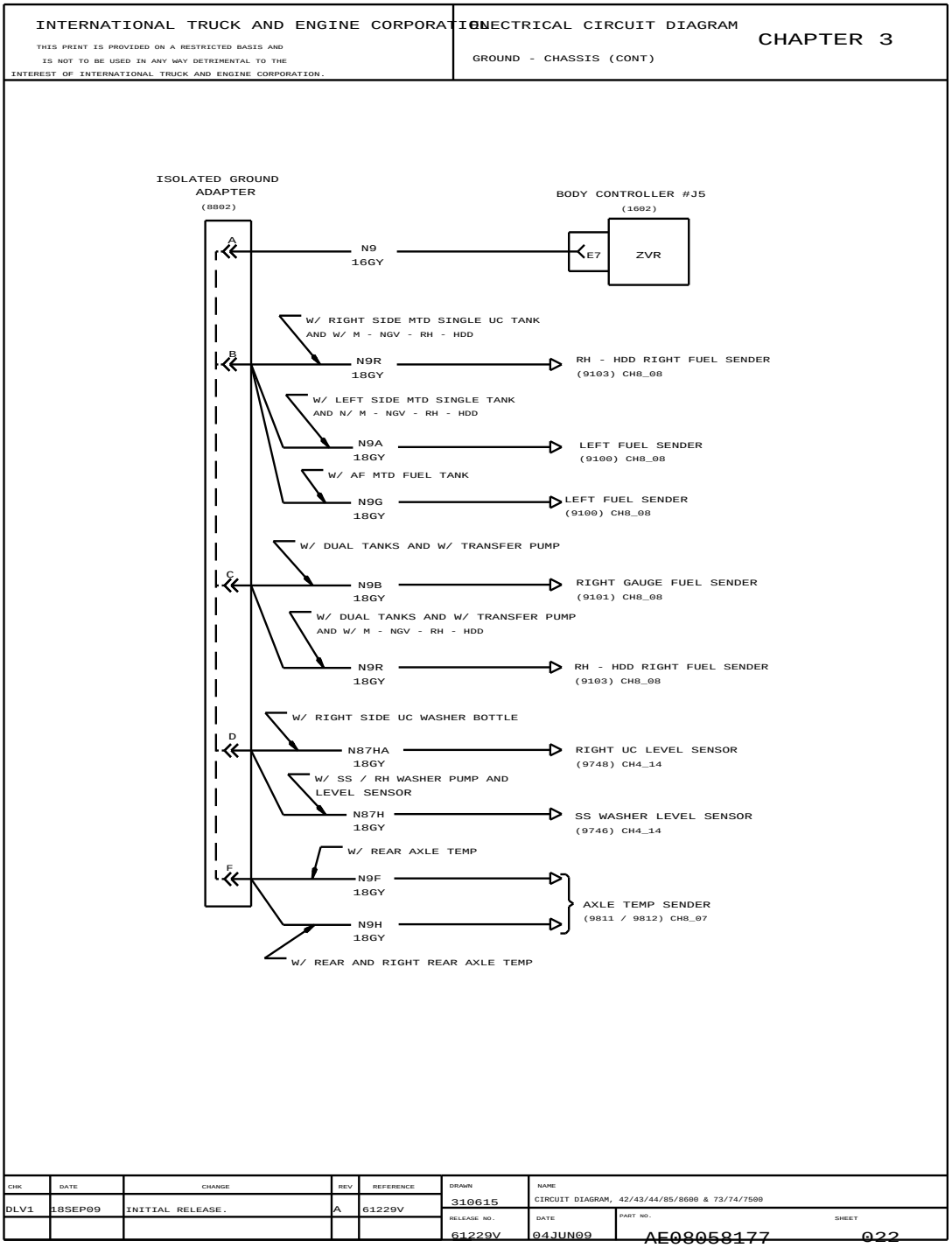

Figure 50 Ground – Chassis (Cont.)

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3.39. GROUND – CHASSIS (CONT.), P. 23

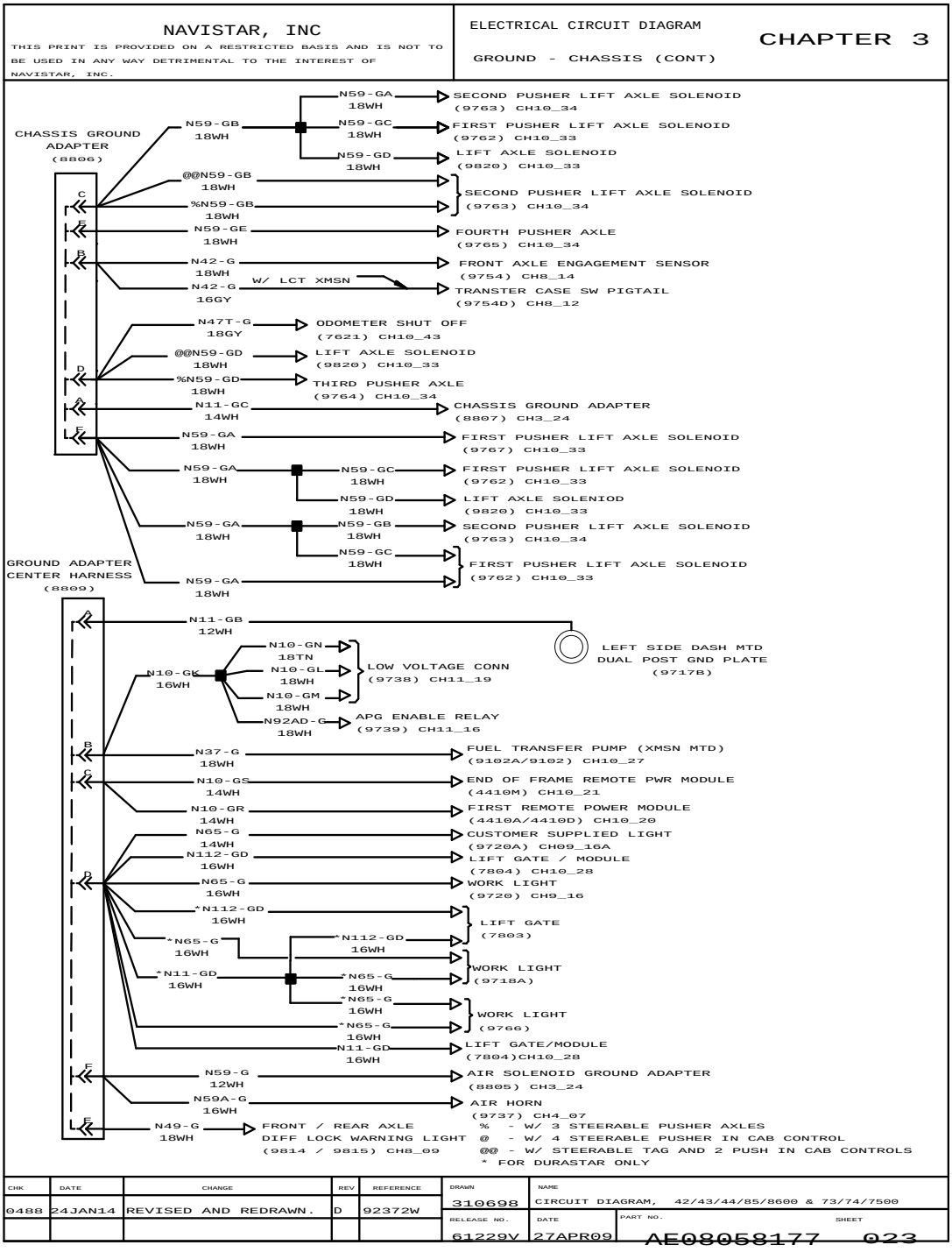

Figure 51 Ground – Chassis (Cont.)

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3.40. GROUND – CHASSIS (CONT.), P. 24

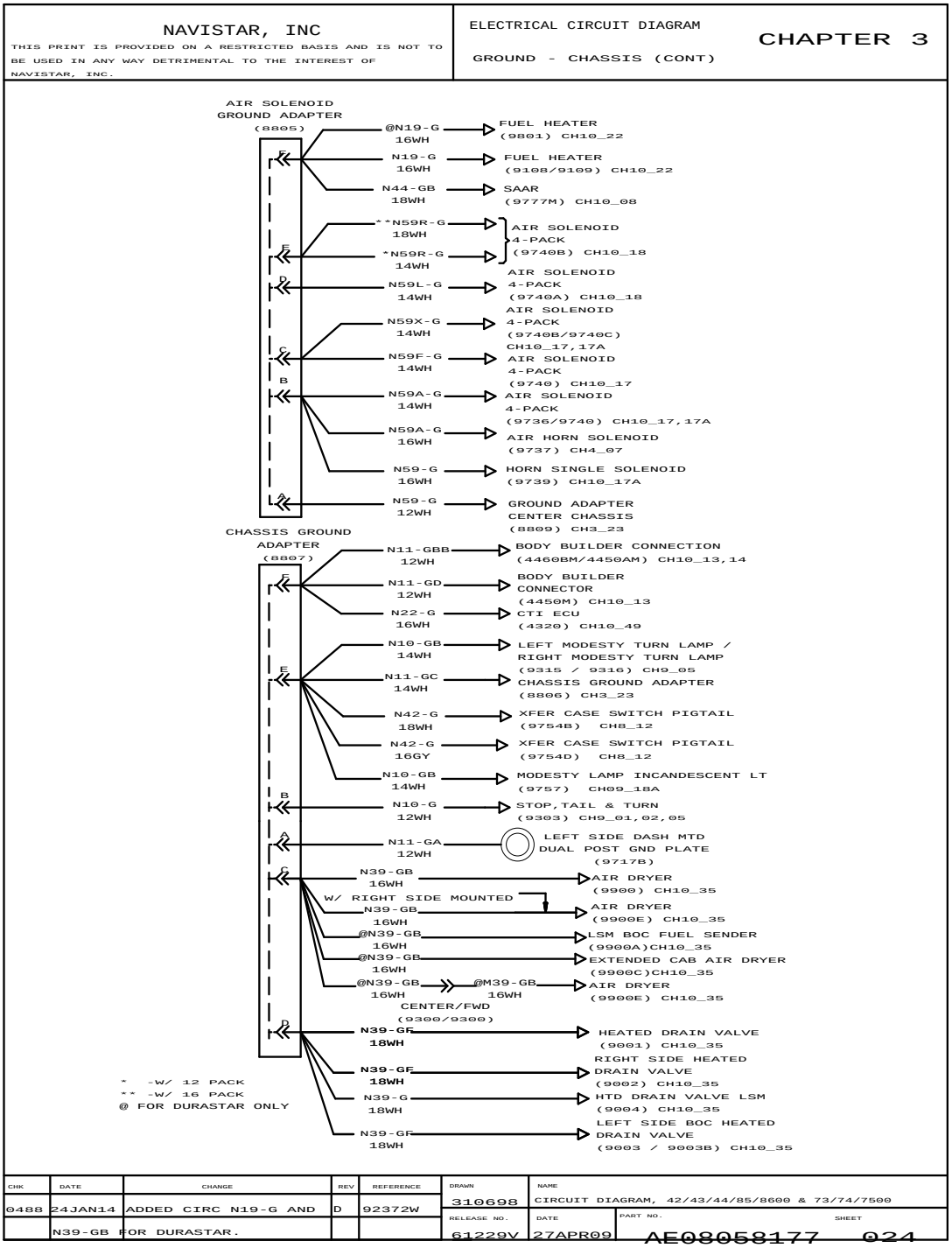

Figure 52 Ground – Chassis (Cont.)

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3.41. GROUND – CHASSIS WITH HEAVY DUTY DIESEL, P. 25

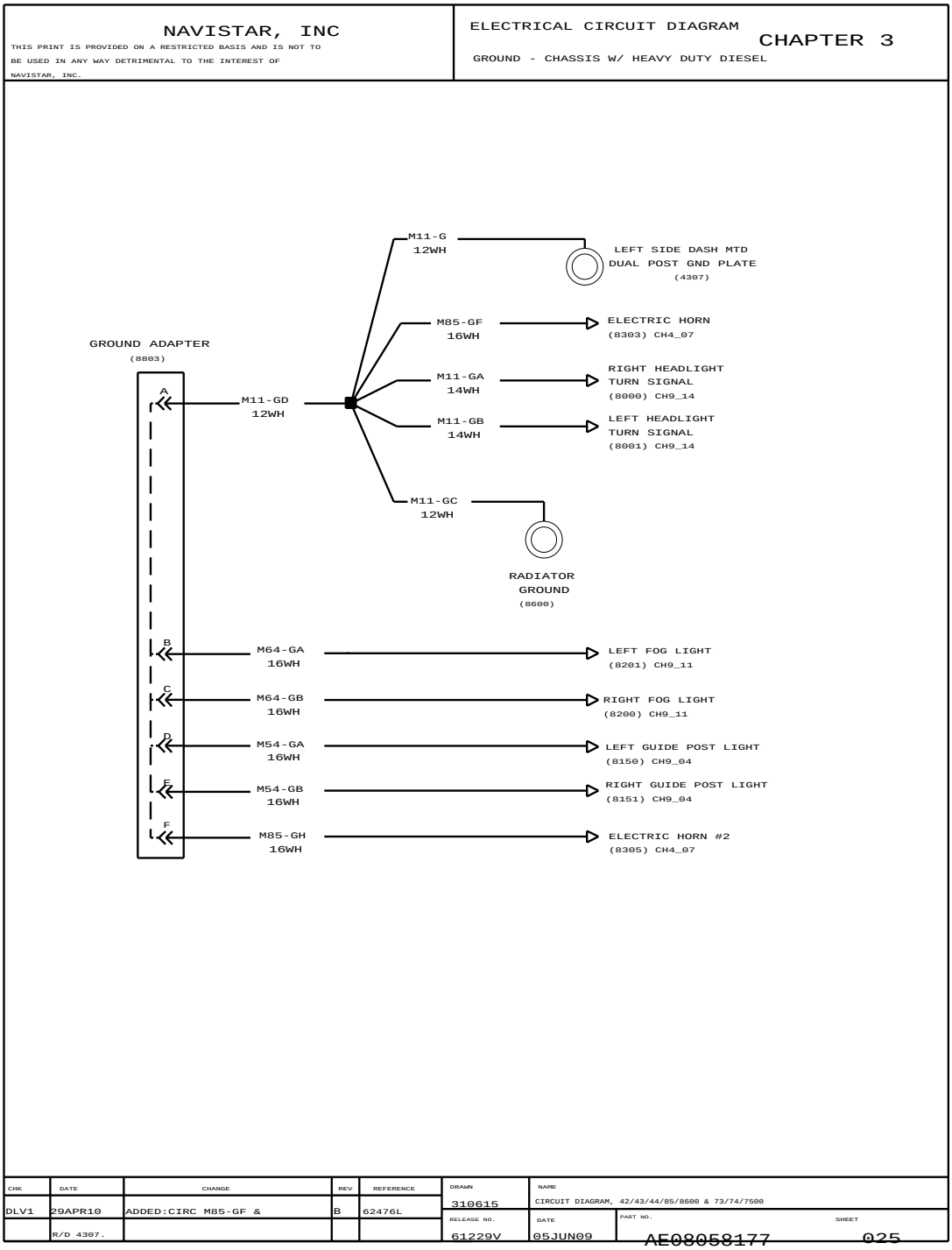

Figure 53 Ground – Chassis with Heavy Duty Diesel

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3.42. ENGINE GROUND – V8 ENGINE, P. 26

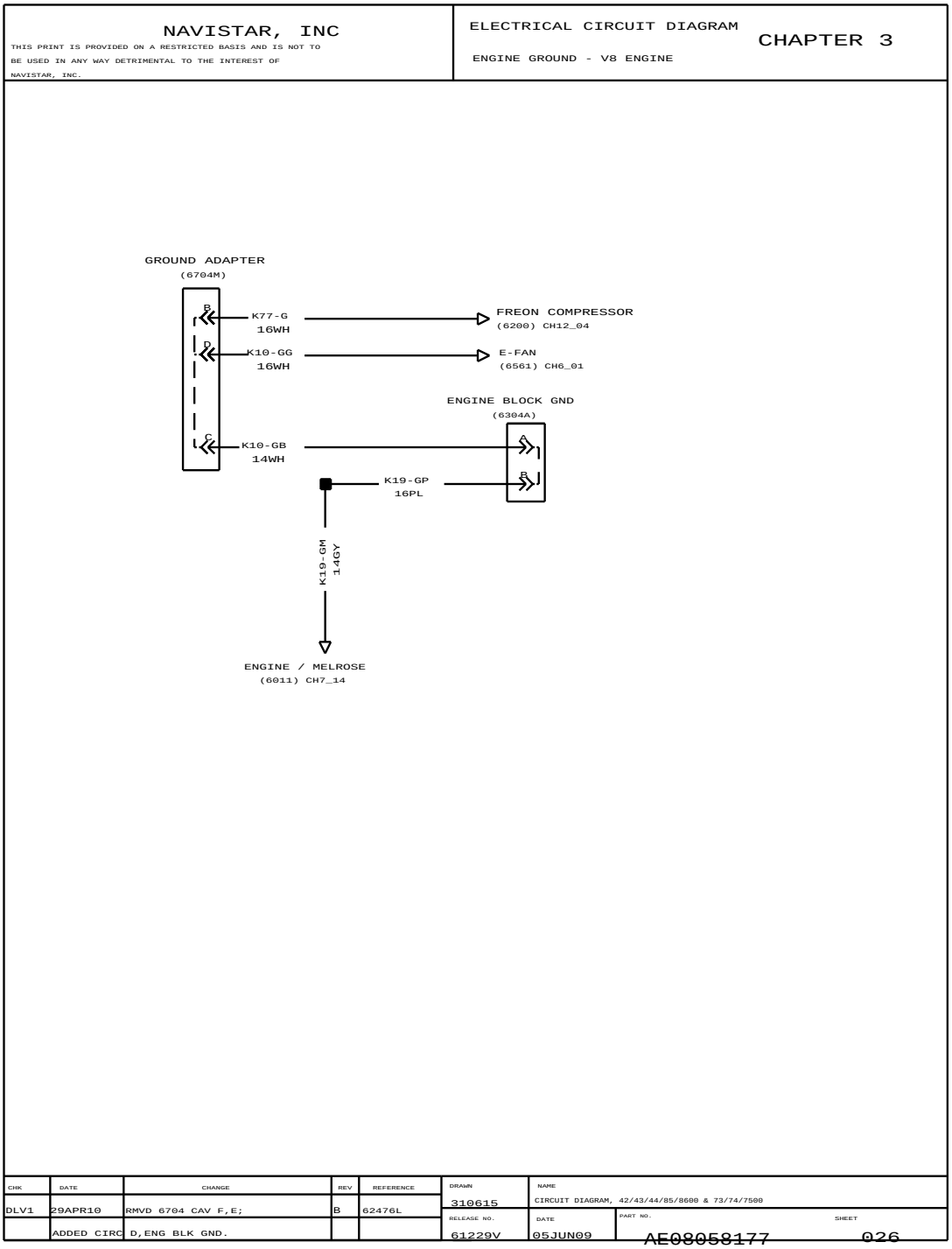

Figure 54 Engine Ground – V8 Engine

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3.43. ENGINE GROUND – IBB ENGINE, P. 27

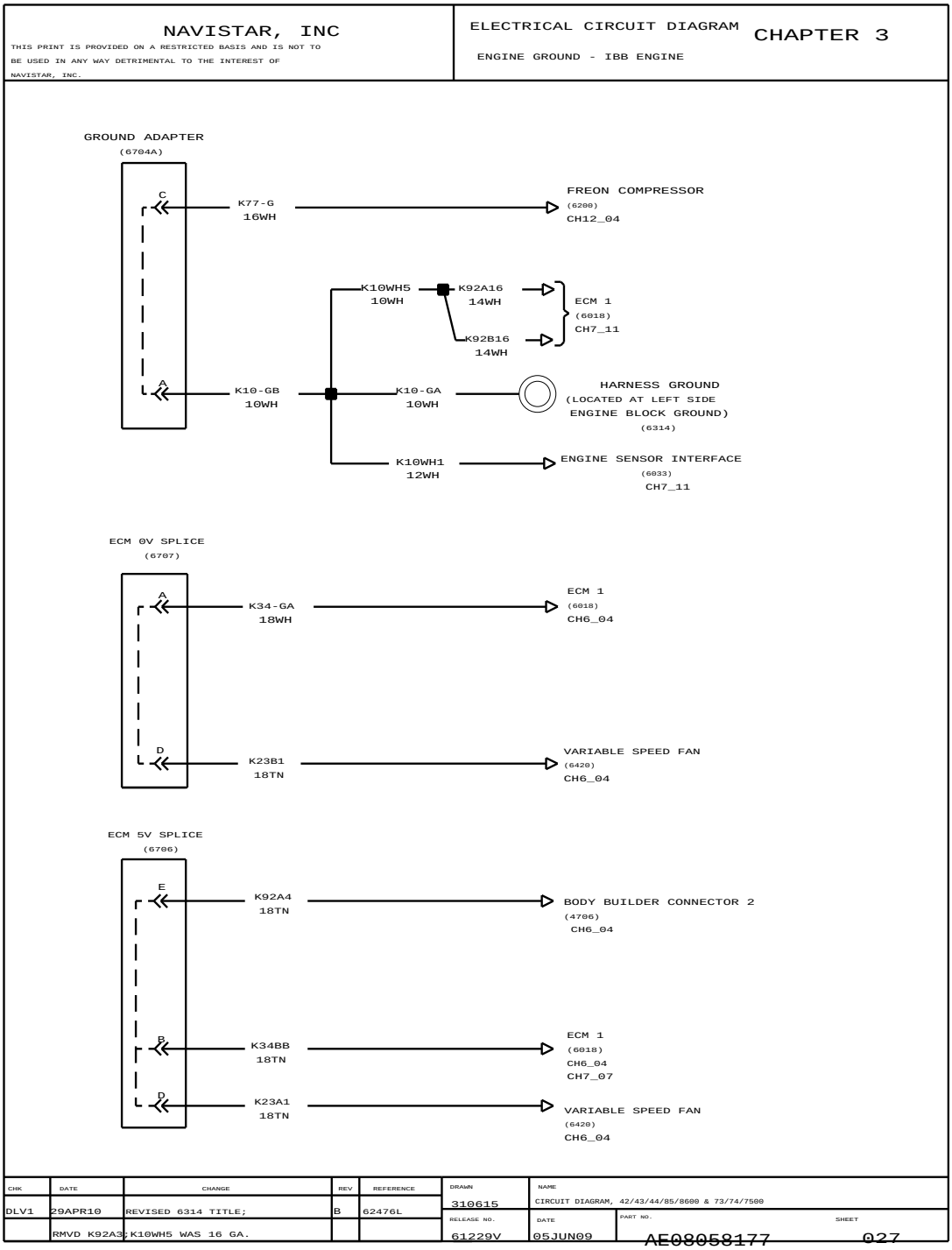

Figure 55 Engine Ground – IBB Engine

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3.44. ENGINE GROUND – IBB ENGINE (CONT.), P. 27A

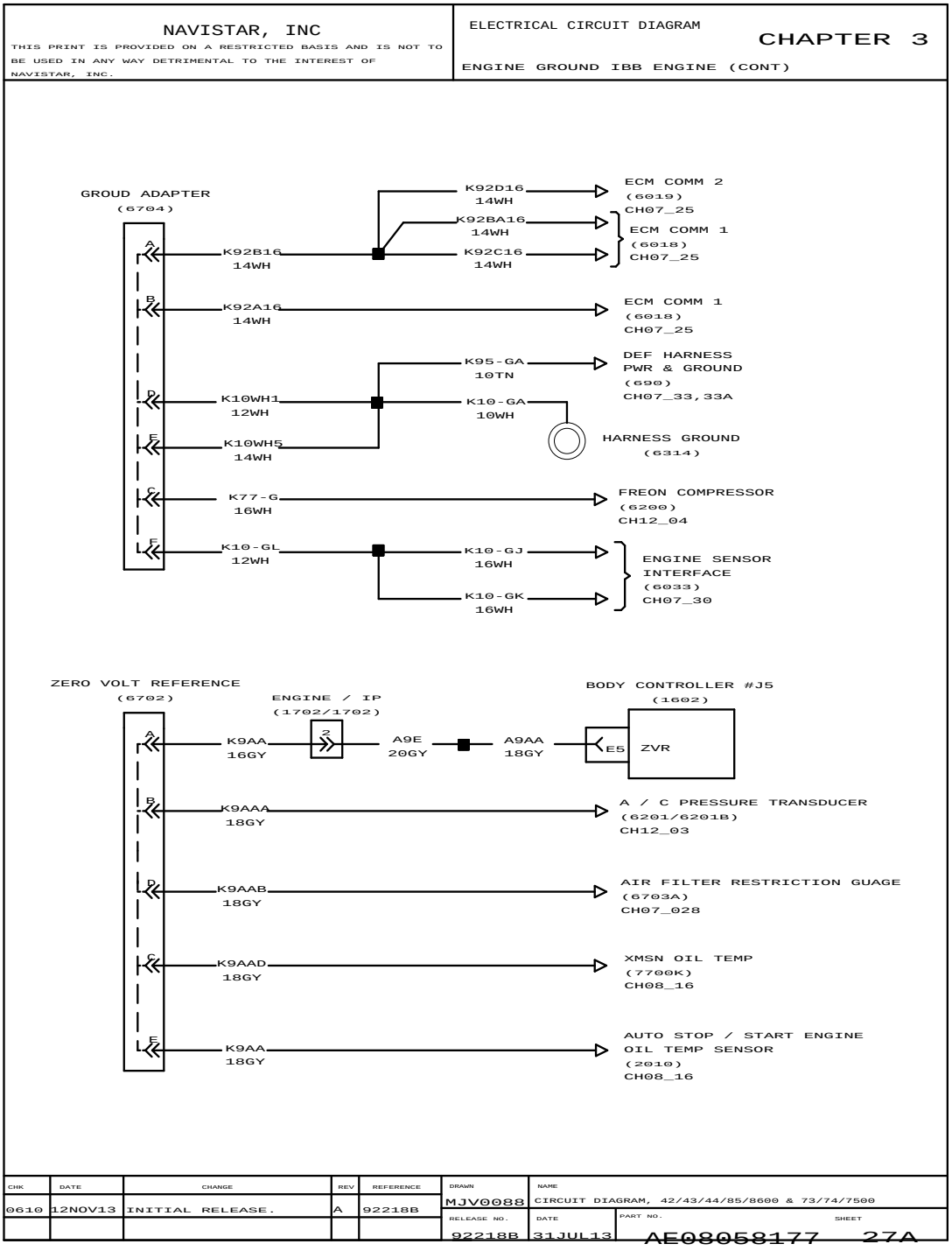

Figure 56 Engine Ground – IBB Engine (Cont.)

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3.45. ALTERNATOR POWER AND GROUND (IBB ENGINE), P. 27B

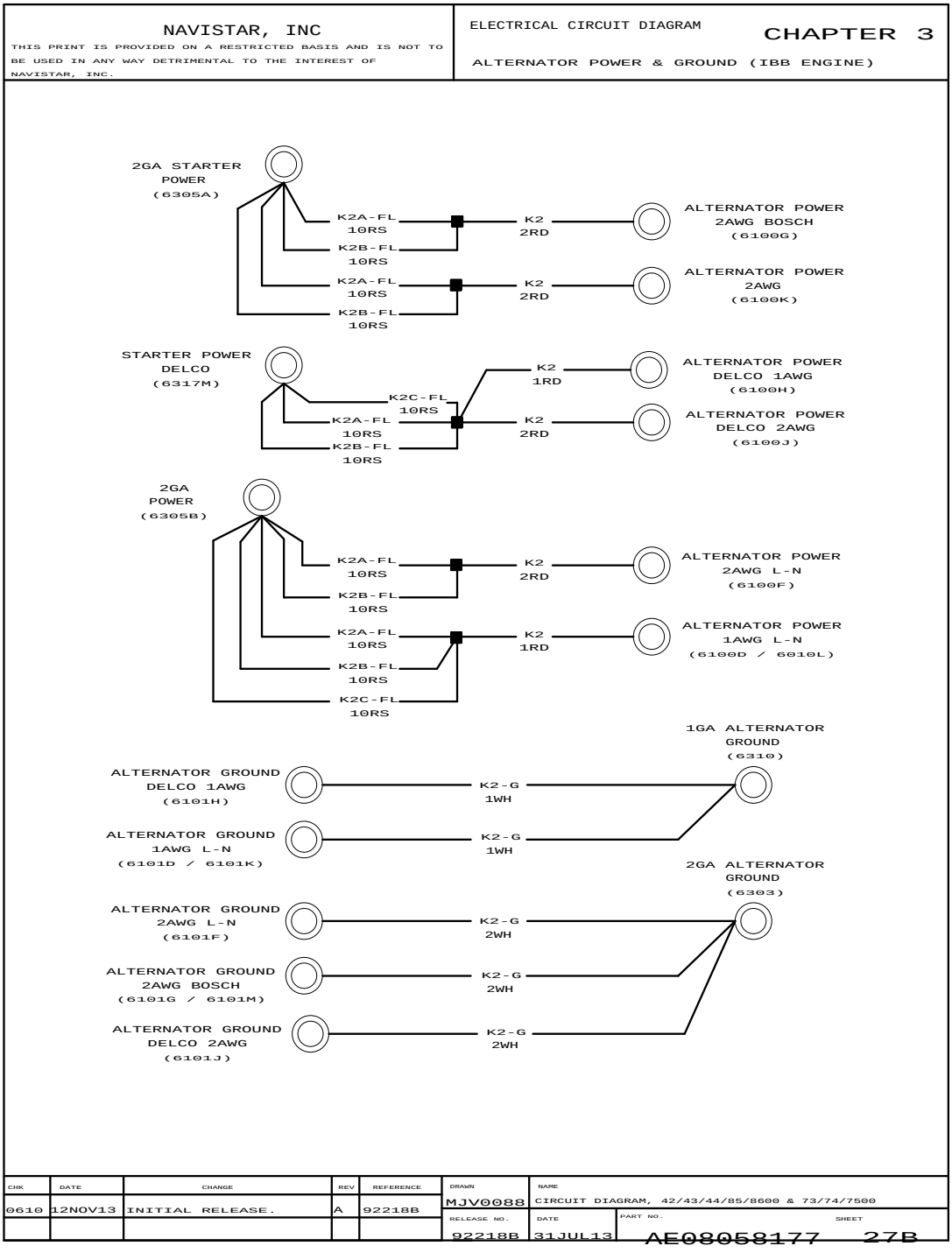

Figure 57 Alternator Power and Ground (IBB Engine)

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3.46. ALTERNATOR POWER AND GROUND (IBB ENGINE), P. 27C

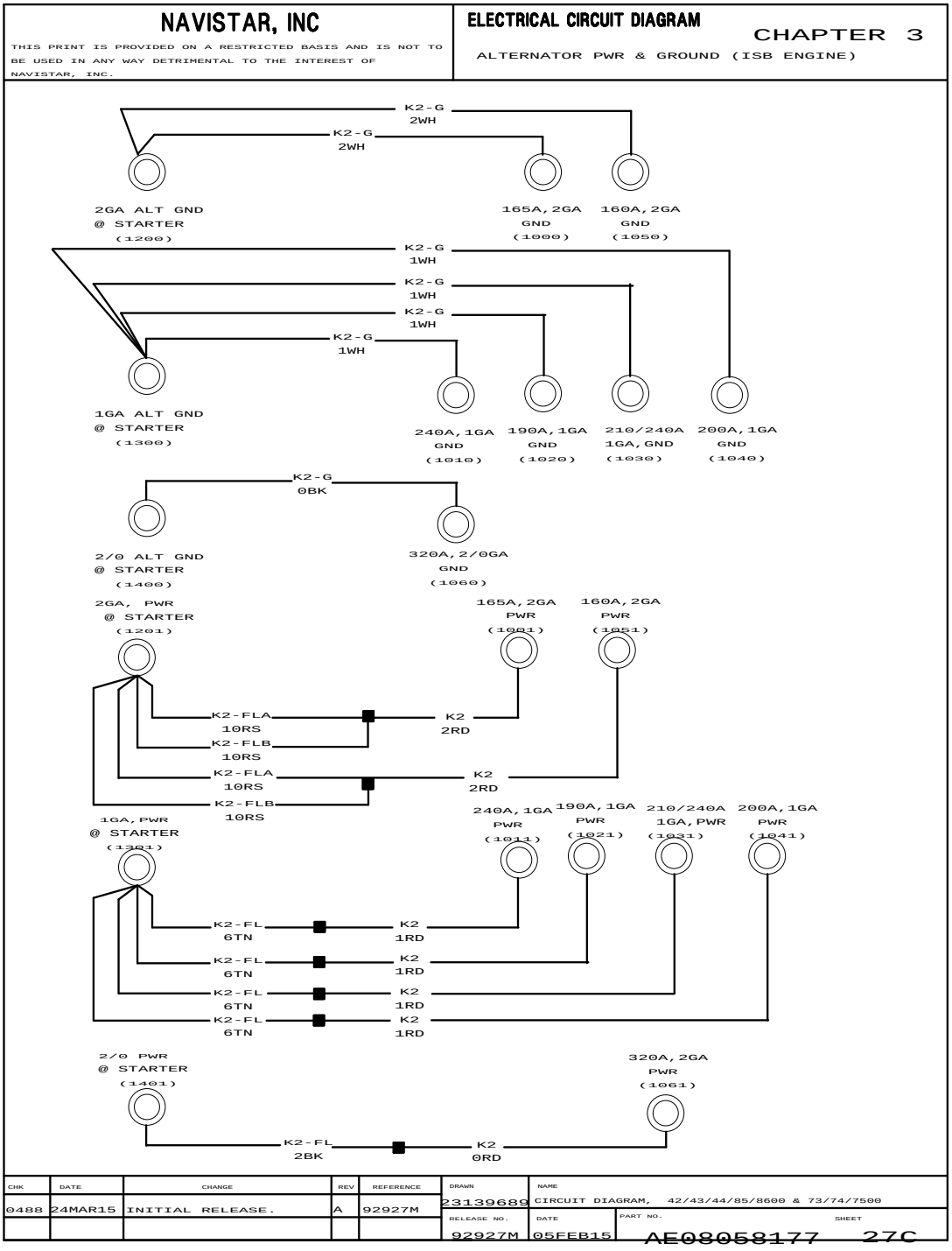

Figure 58 Alternator Power and Ground (IBB Engine)

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3.47. ZERO VOLT REFERENCE, P. 28

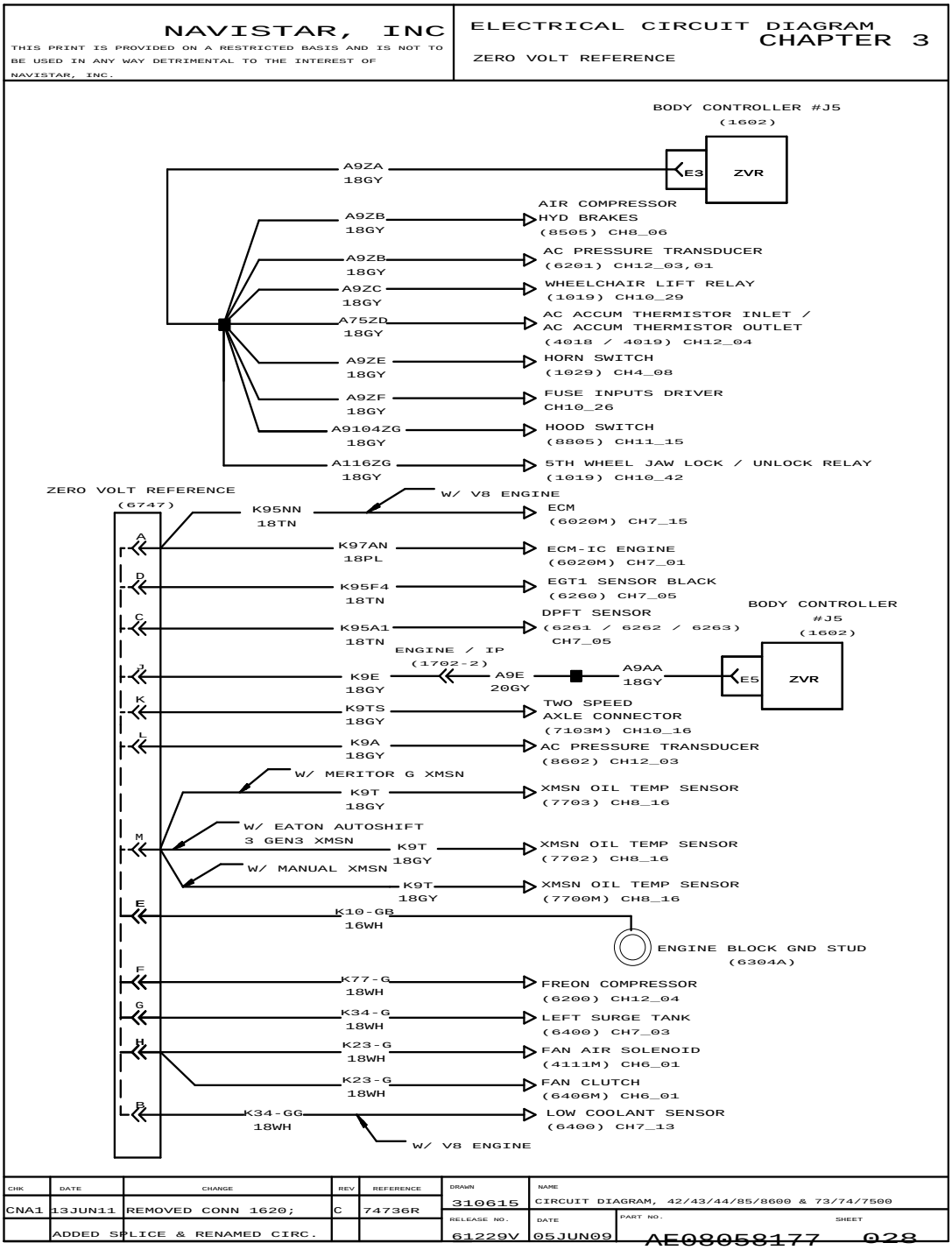

Figure 59 Zero Volt Reference

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3.48. ZERO VOLT REFERENCE (CONT.), P. 28A

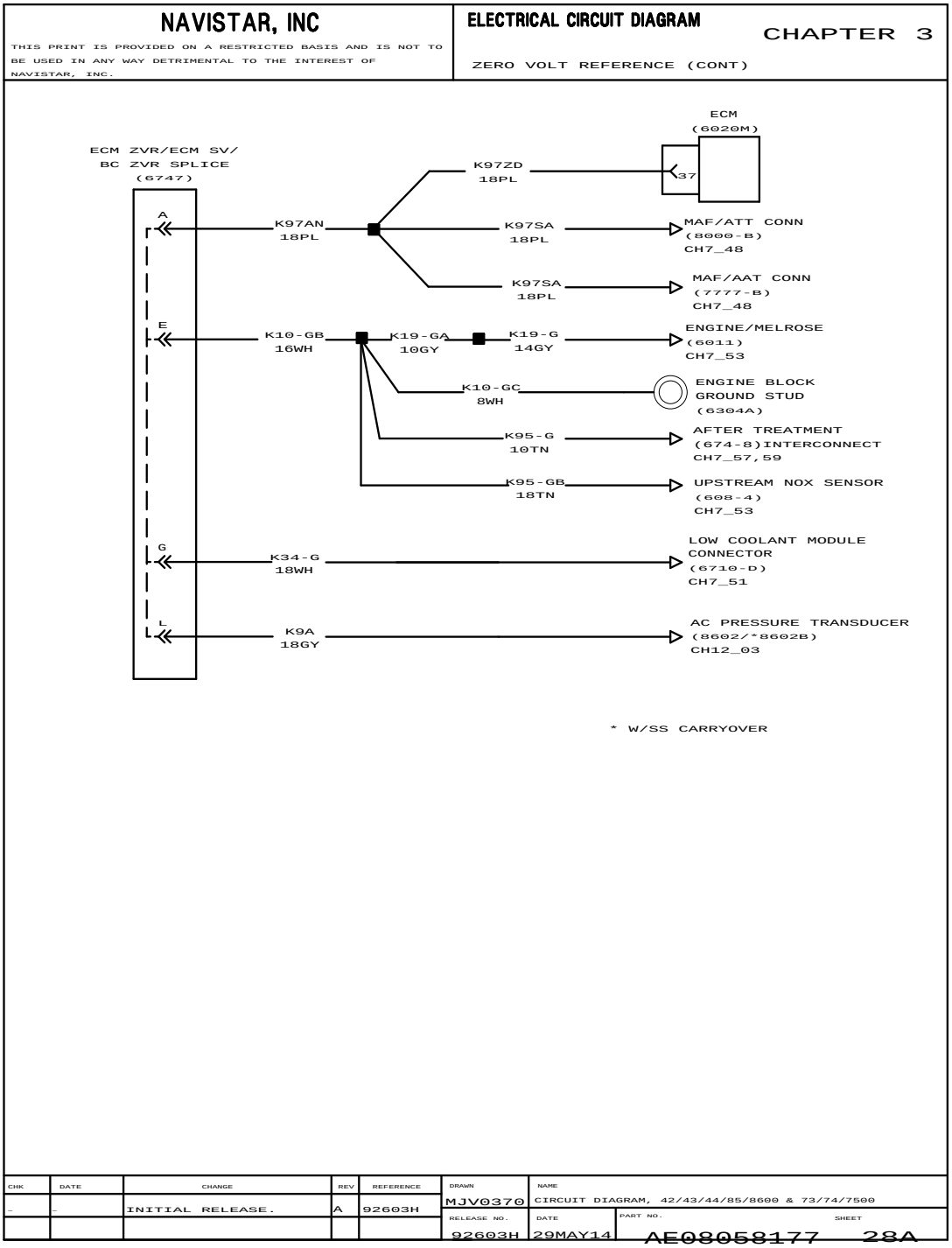

Figure 60 Zero Volt Reference (Cont.)

https://truckmanualshub.com/

3.49. ZERO VOLT REFERENCE (CONT.), P. 28B

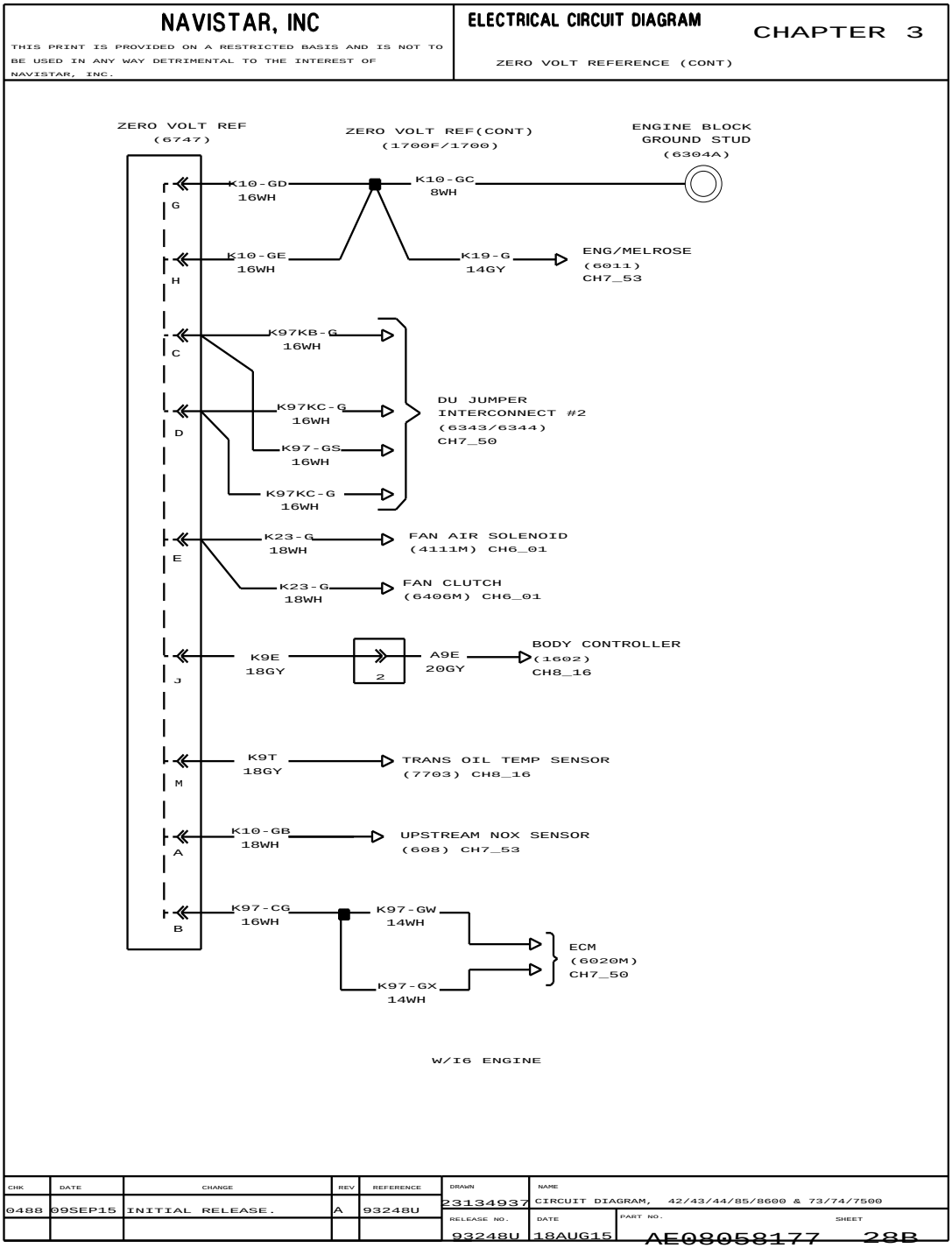

Figure 61 Zero Volt Reference (Cont.)

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3.50. BATTERY FEED, SINGLE, P. 29

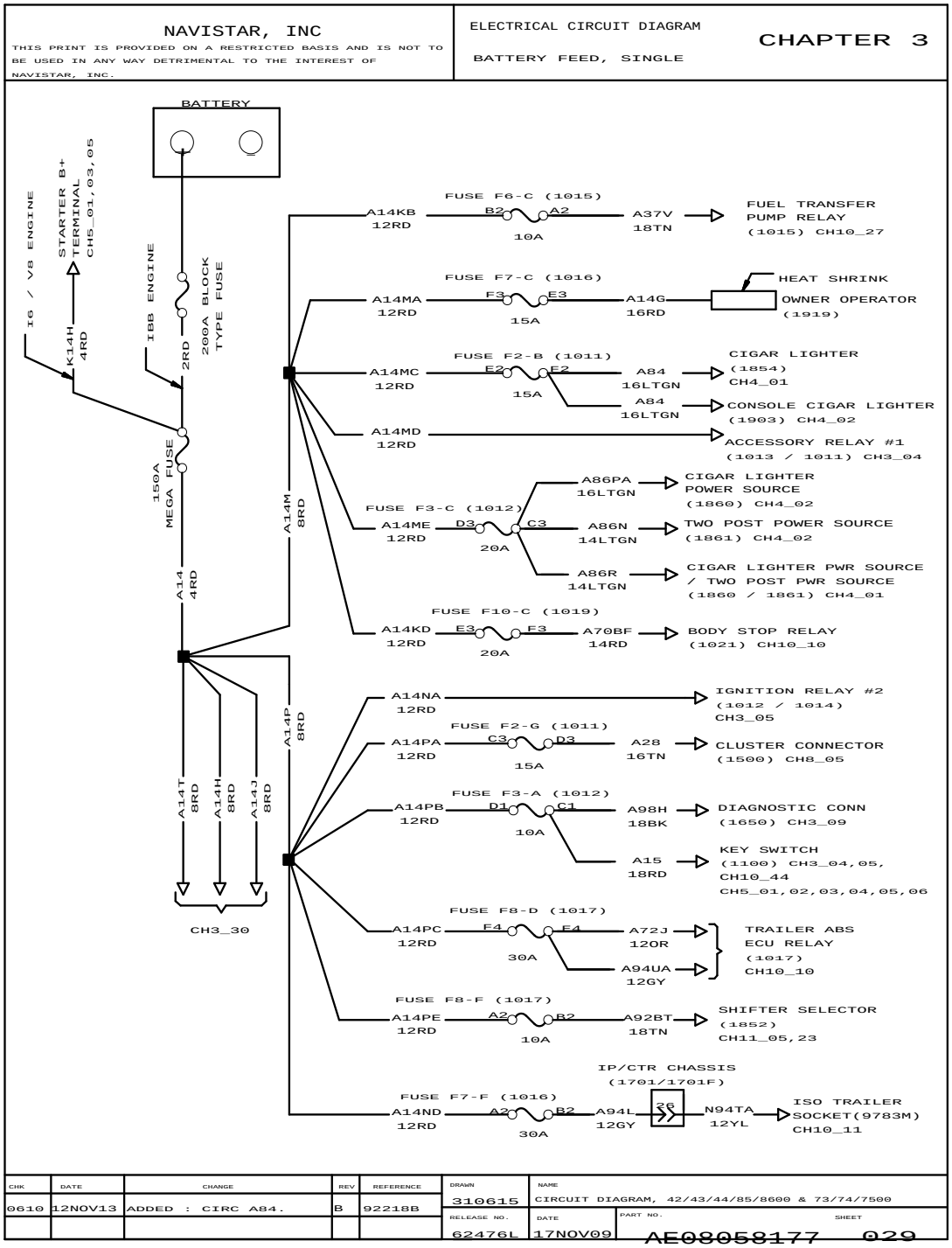

Figure 62 Battery Feed, Single

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3.51. BATTERY FEED, SINGLE WITH 500K BAUD RATE, P. 29A

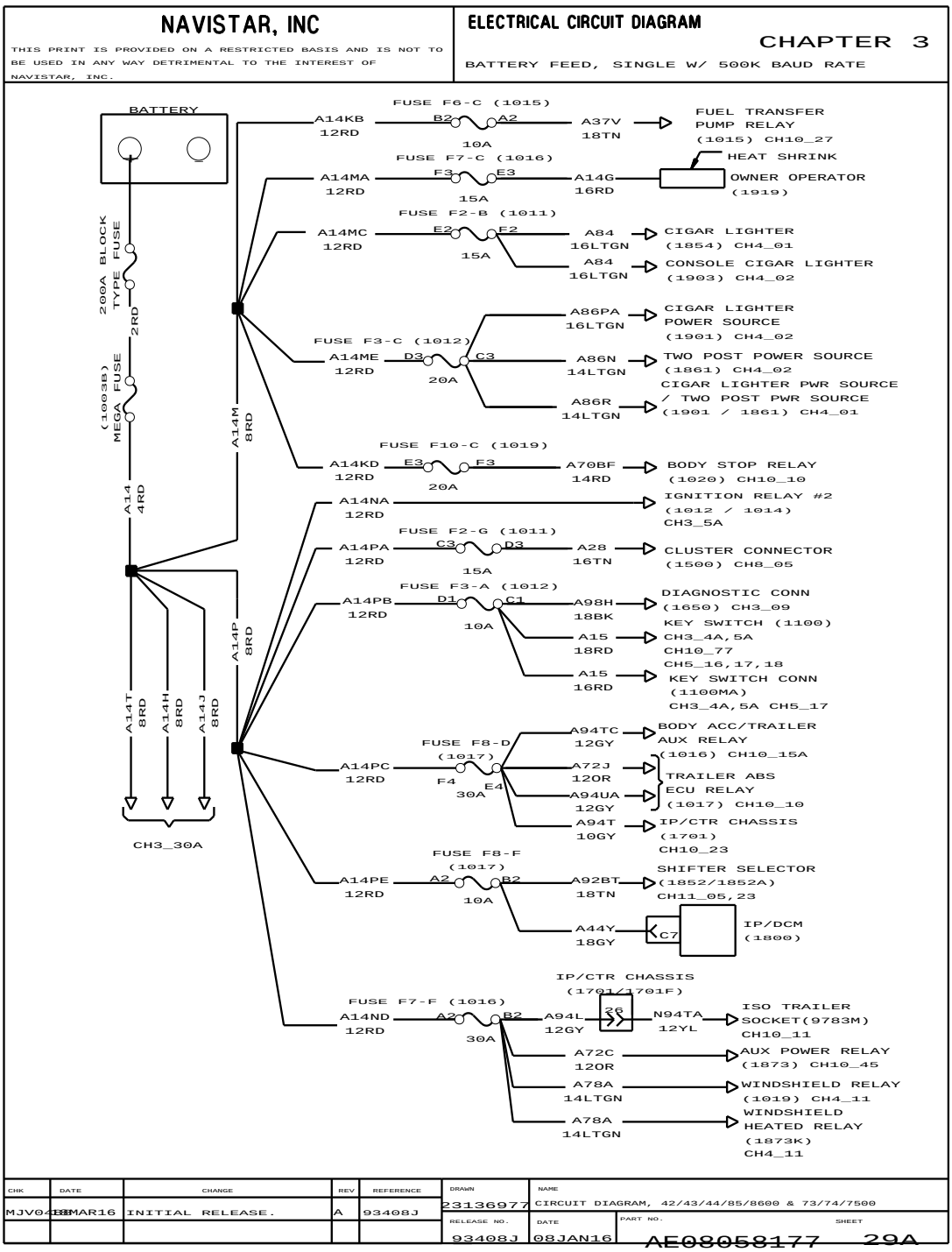

Figure 63 Battery Feed, Single with 500K Baud Rate

https://truckmanualshub.com/

3.52. BATTERY FEED, SINGLE (CONT.), P. 30

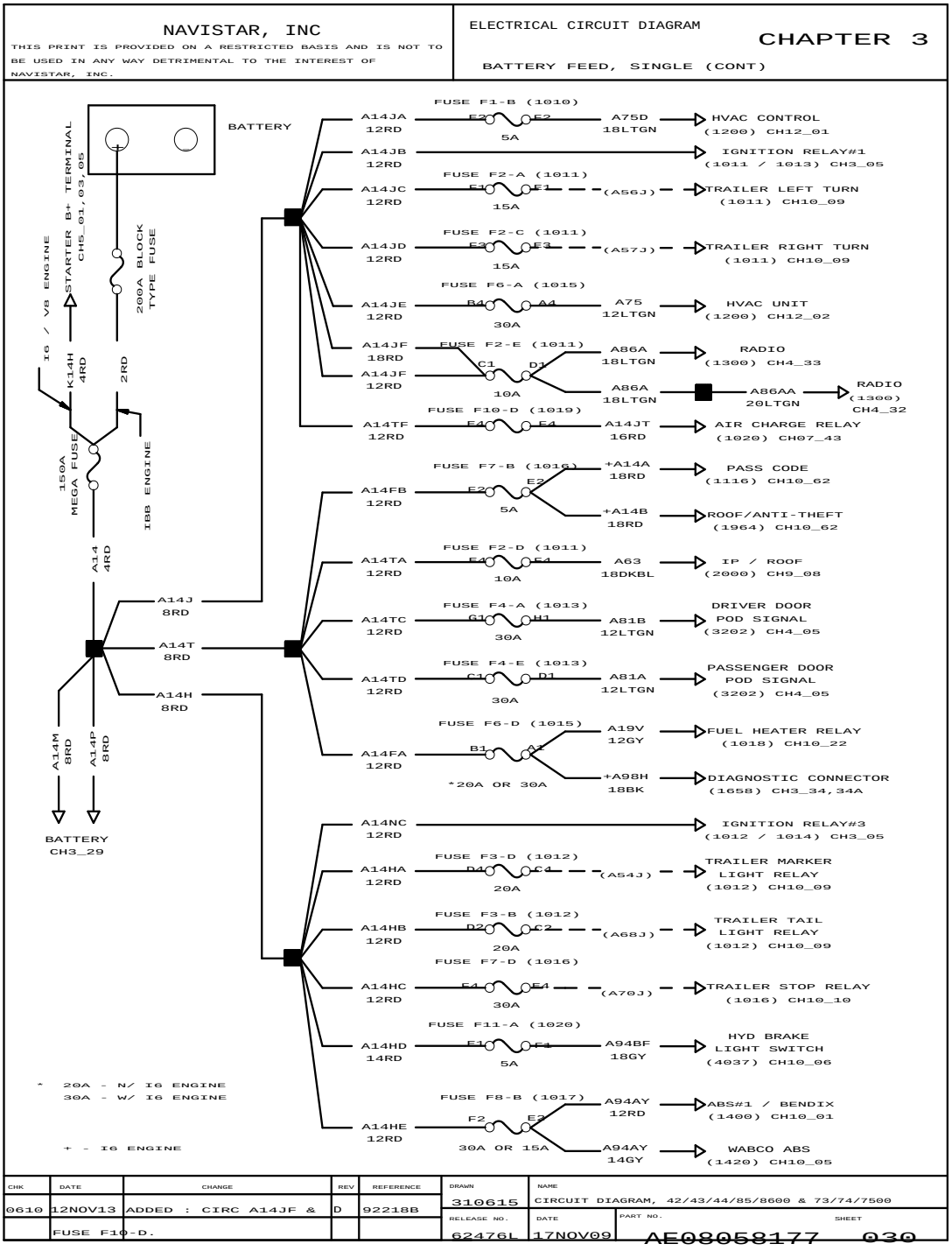

Figure 64 Battery Feed, Single (Cont.)

https://truckmanualshub.com/

3.53. BATTERY FEED, SINGLE WITH 500K BAUD RATE (CONT.), P. 30A

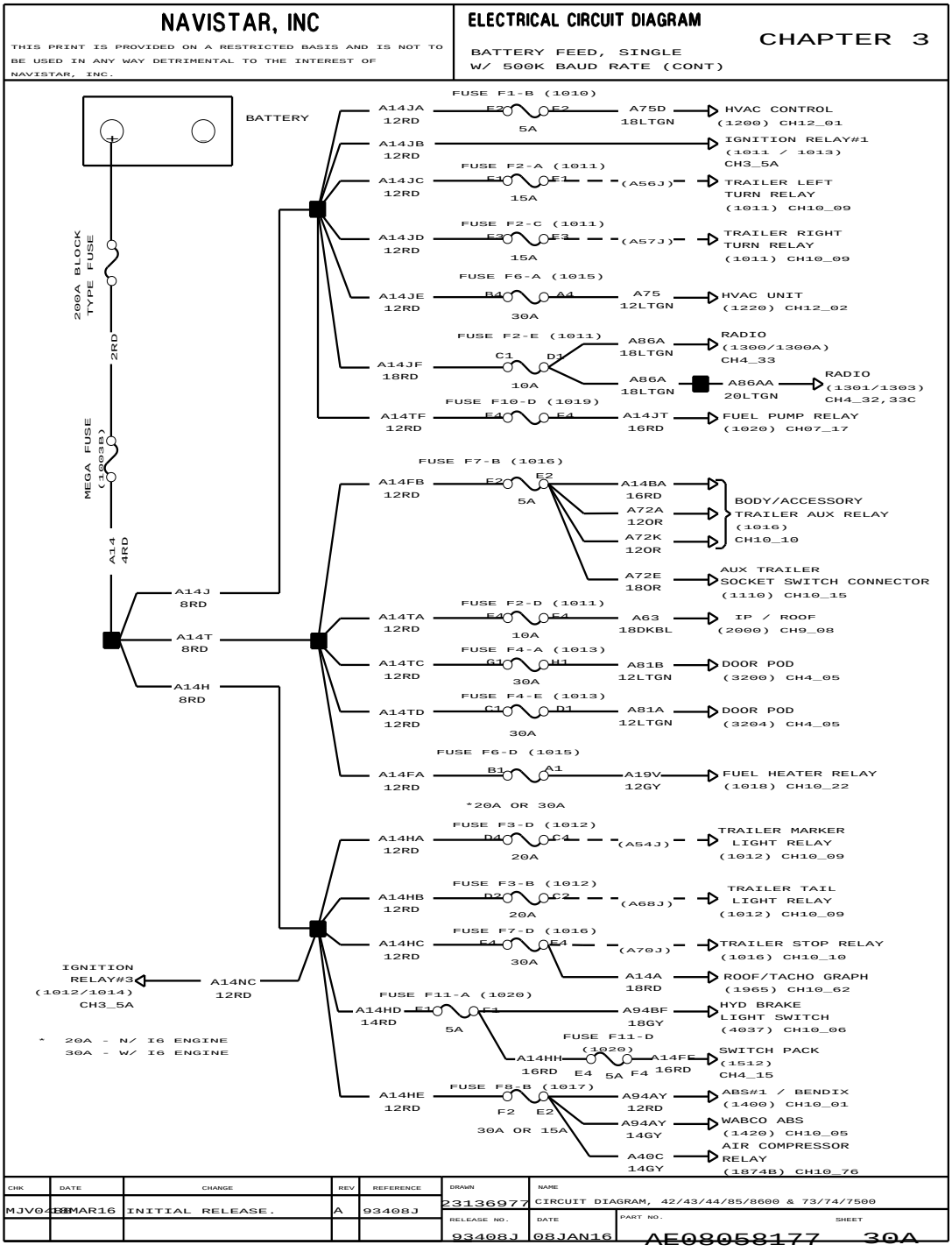

Figure 65 Battery Feed, Single with 500K Baud Rate (Cont.)

https://truckmanualshub.com/

3.54. J1939 DATA LINK – V8 ENGINE, P. 31

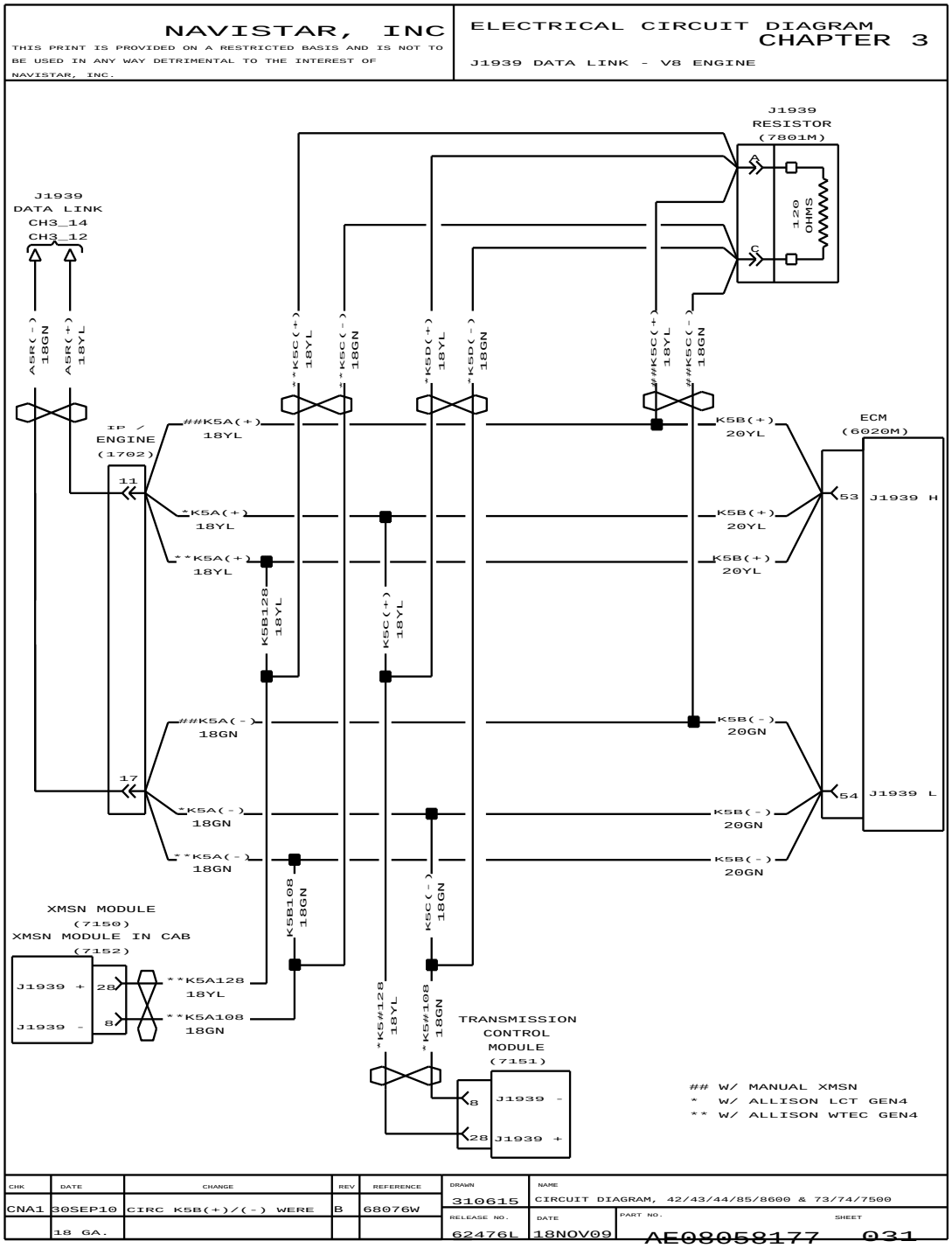

Figure 66 J1939 Data Link – V8 Engine

https://truckmanualshub.com/

3.55. J1939 WITH CUMMINS ISB ENGINE, P. 31A

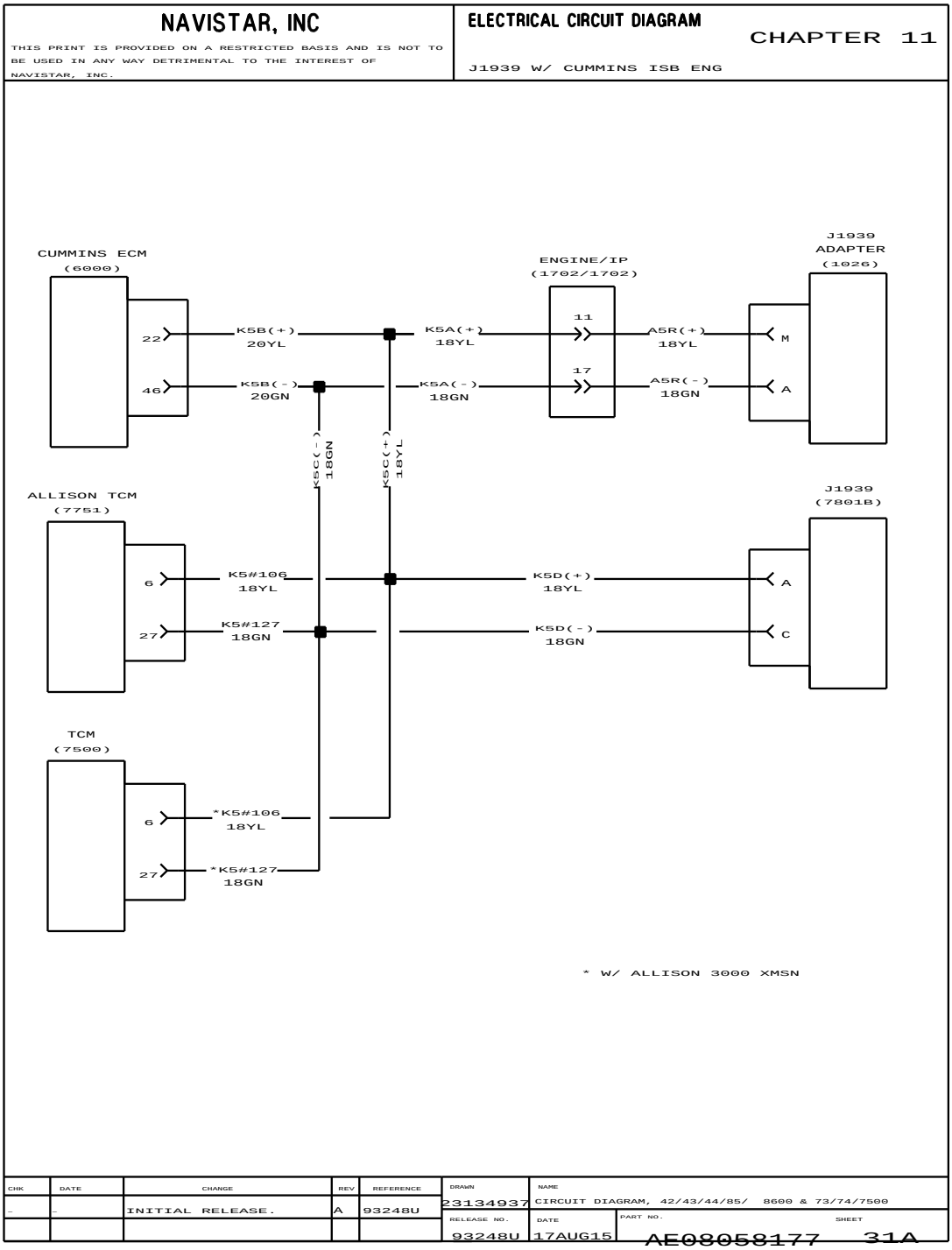

Figure 67 J1939 with Cummins ISB Engine

https://truckmanualshub.com/

3.56. J1939 WITH CUMMINS ISB ENGINE (CONT.), P. 31B

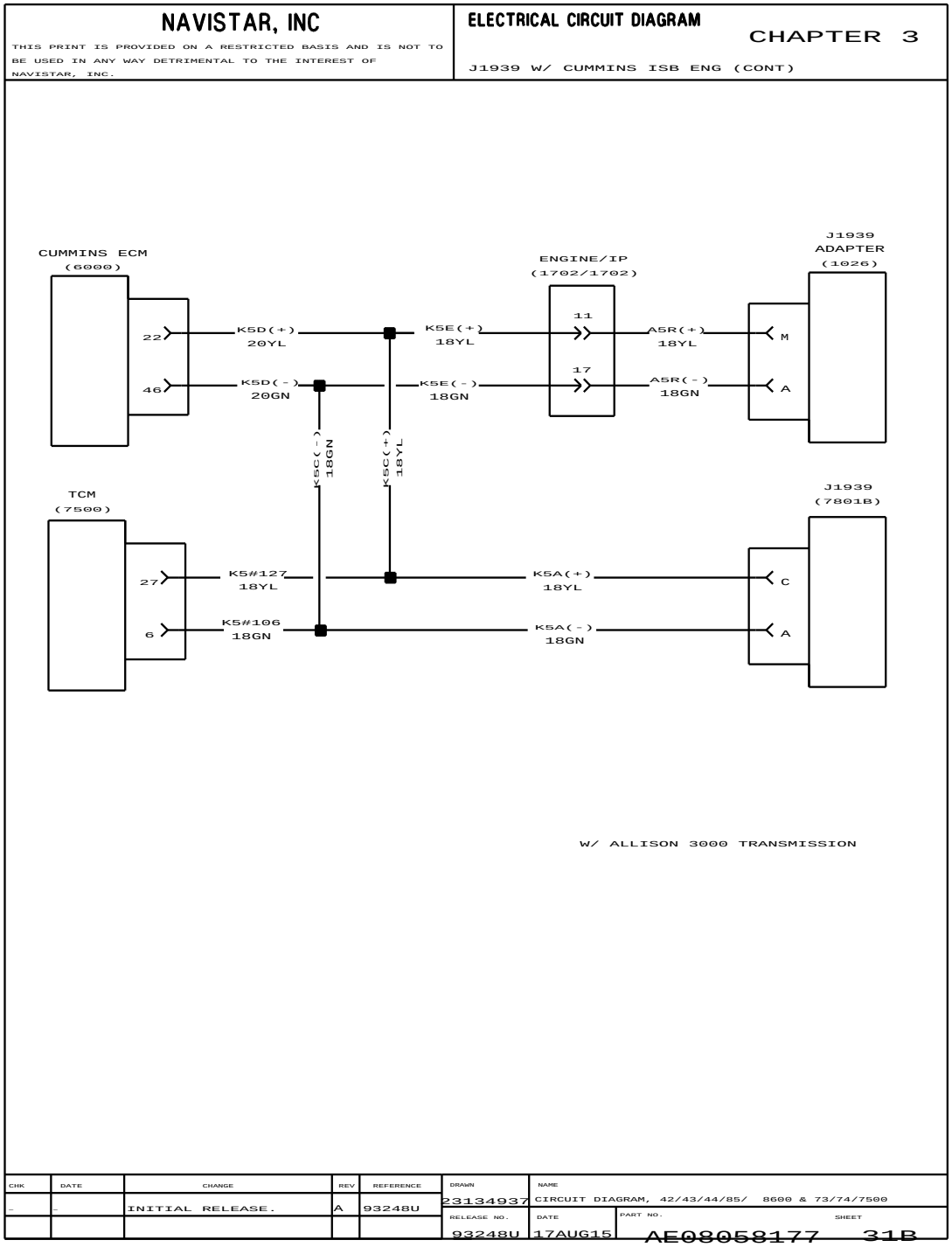

Figure 68 J1939 with Cummins ISB Engine (Cont.)

https://truckmanualshub.com/

3.57. J1939 WITH CUMMINS ISB ENGINE (CONT.), P. 31C

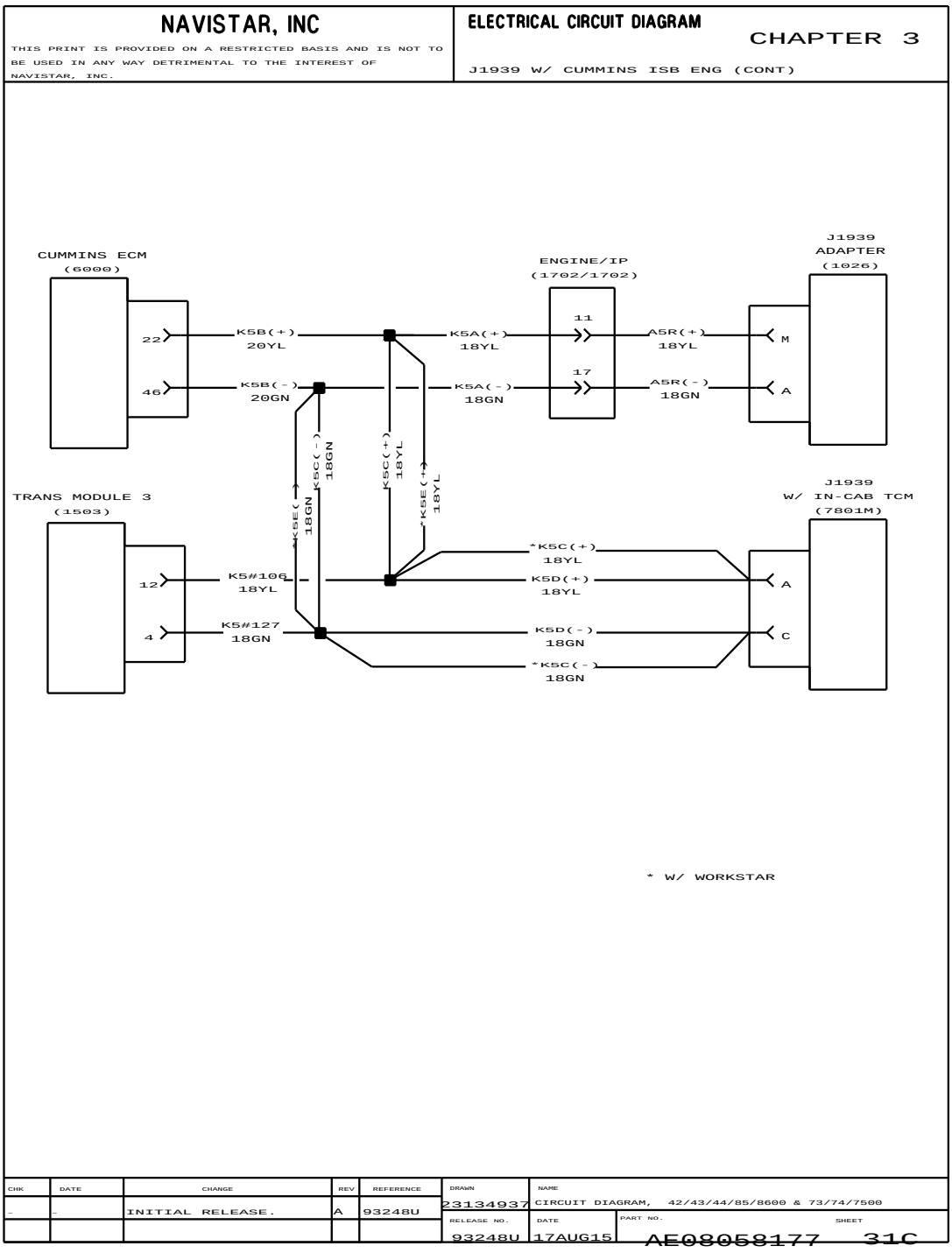

Figure 69 J1939 with Cummins ISB Engine (Cont.)

https://truckmanualshub.com/

3.58. J1939 WITH 2013 INTERNATIONAL BIG BORE ENGINE, P. 31D

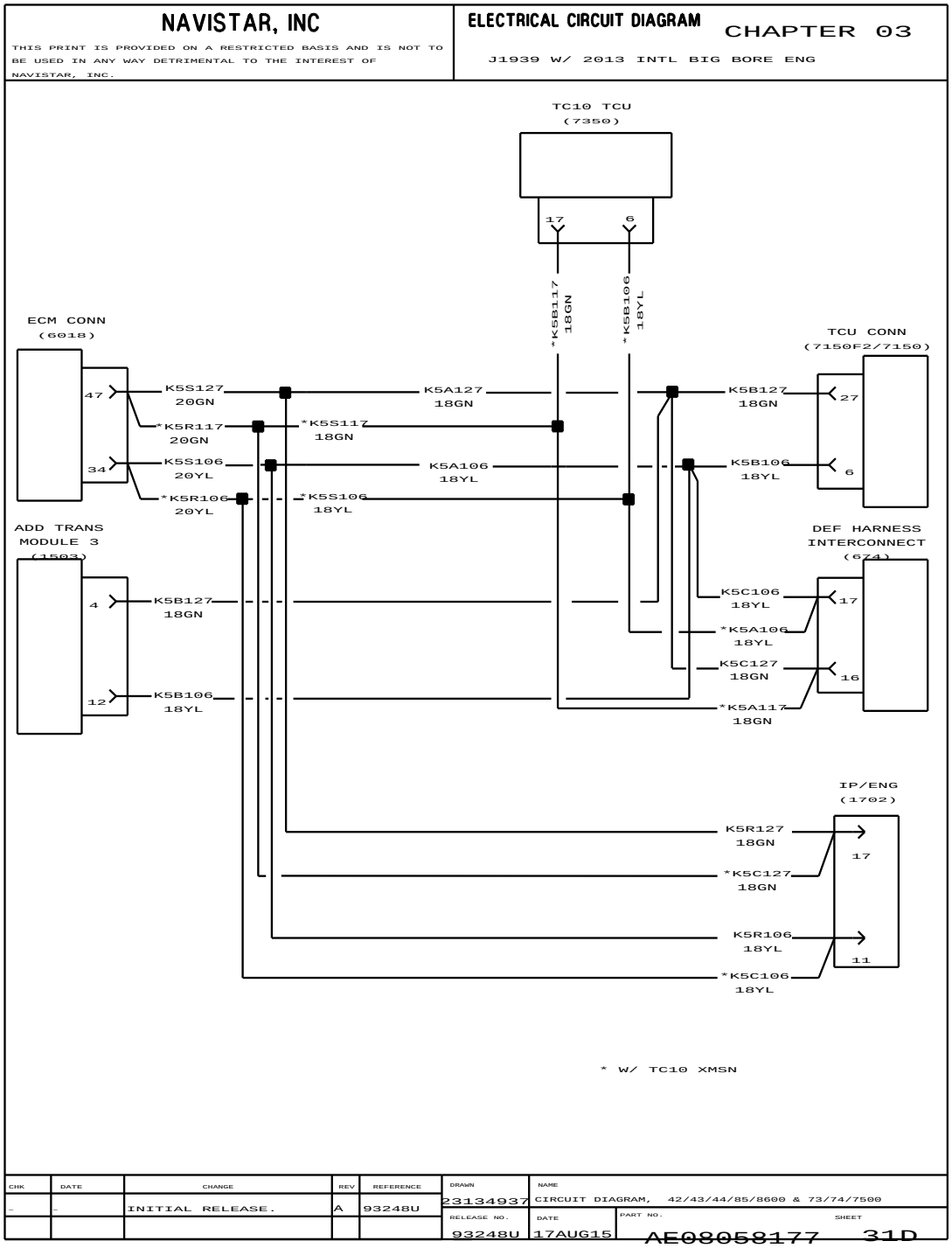

Figure 70 J1939 with 2013 International Big Bore Engine

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3.59. GROUND – SEAT AND SEATBELT SENSOR, P. 32

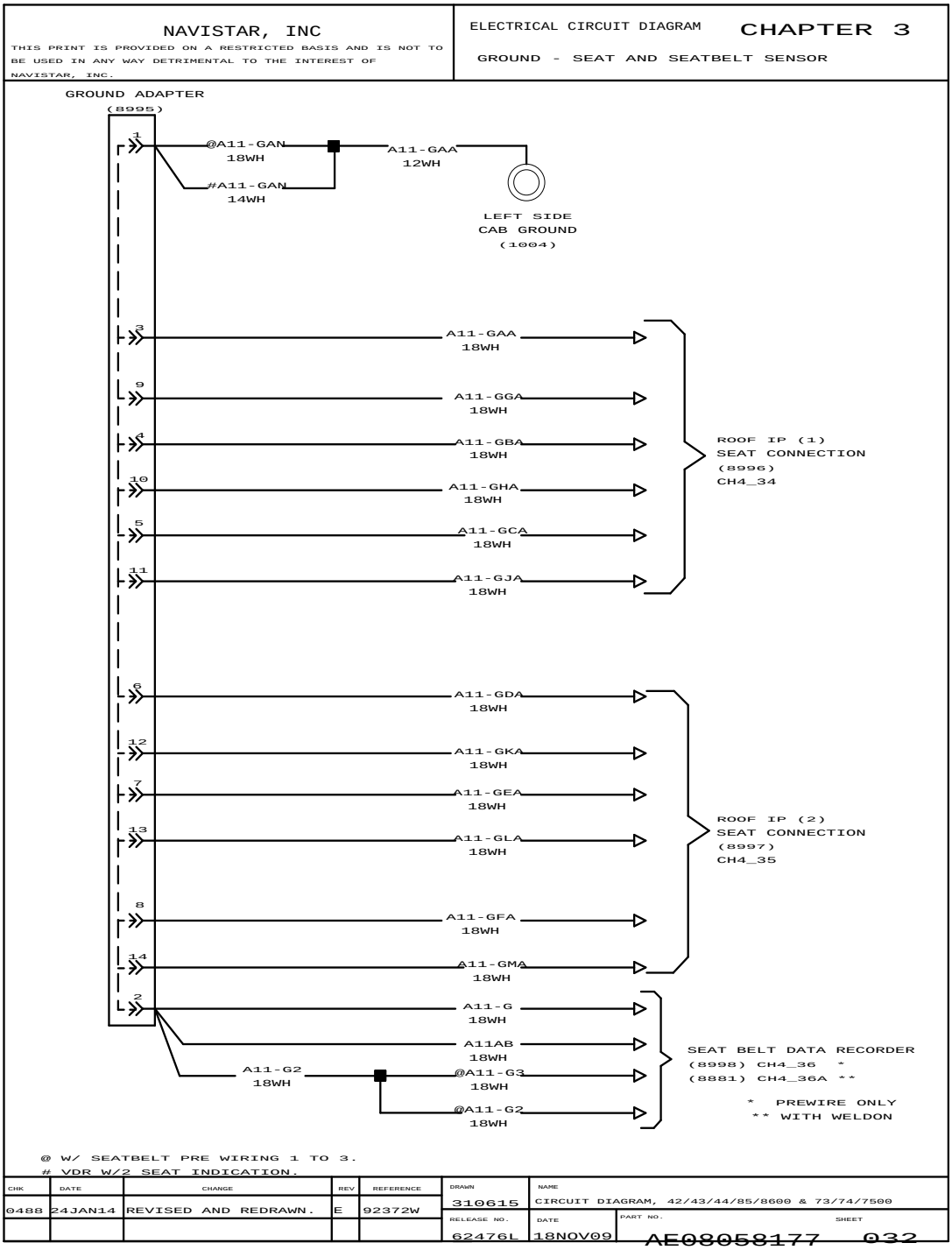

Figure 71 Ground – Seat and Seatbelt Sensor

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3.60. LATCHING RELAY, P. 33

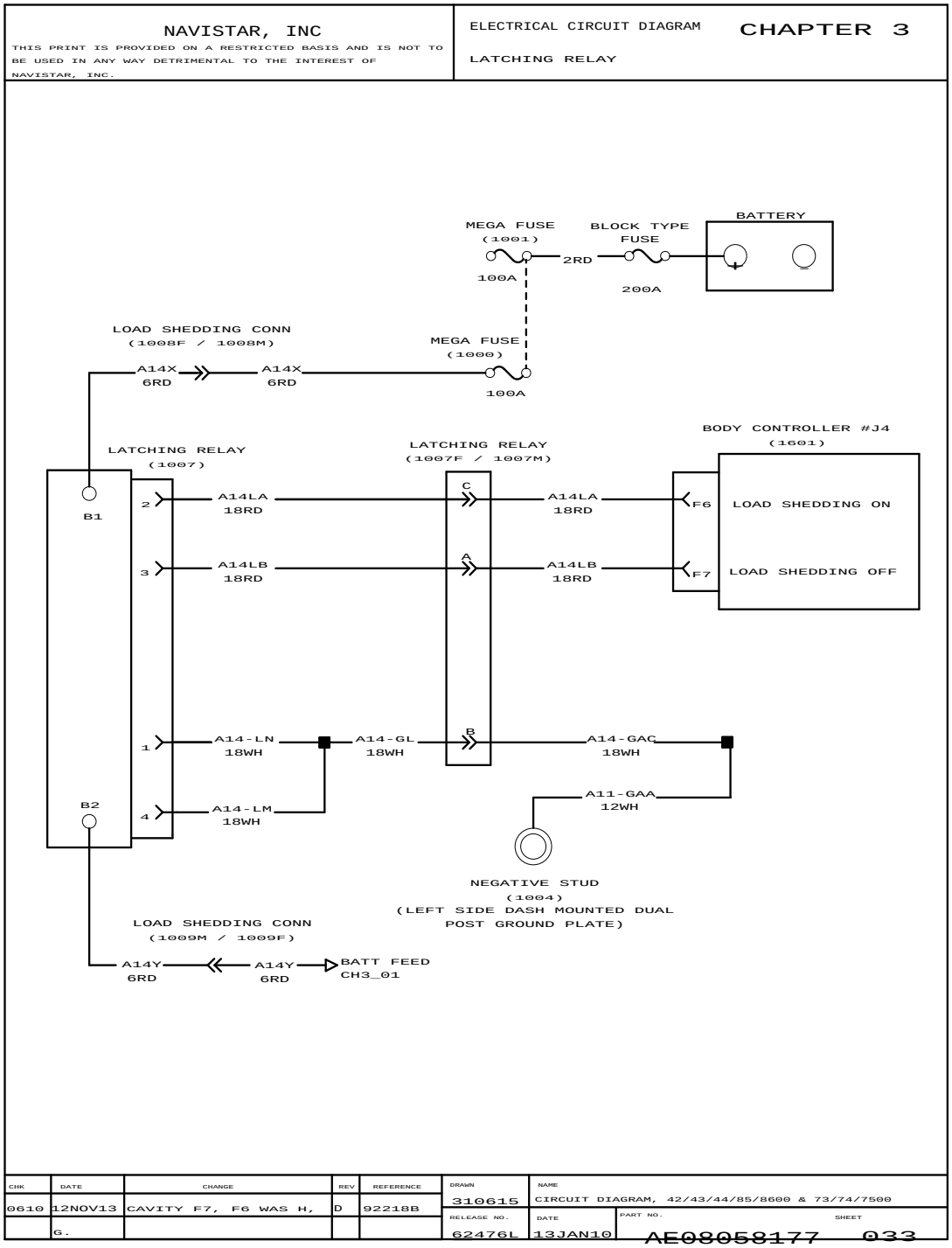

Figure 72 Latching Relay

https://truckmanualshub.com/

3.61. J1939 DATA LINK I6 ENGINE, P. 34

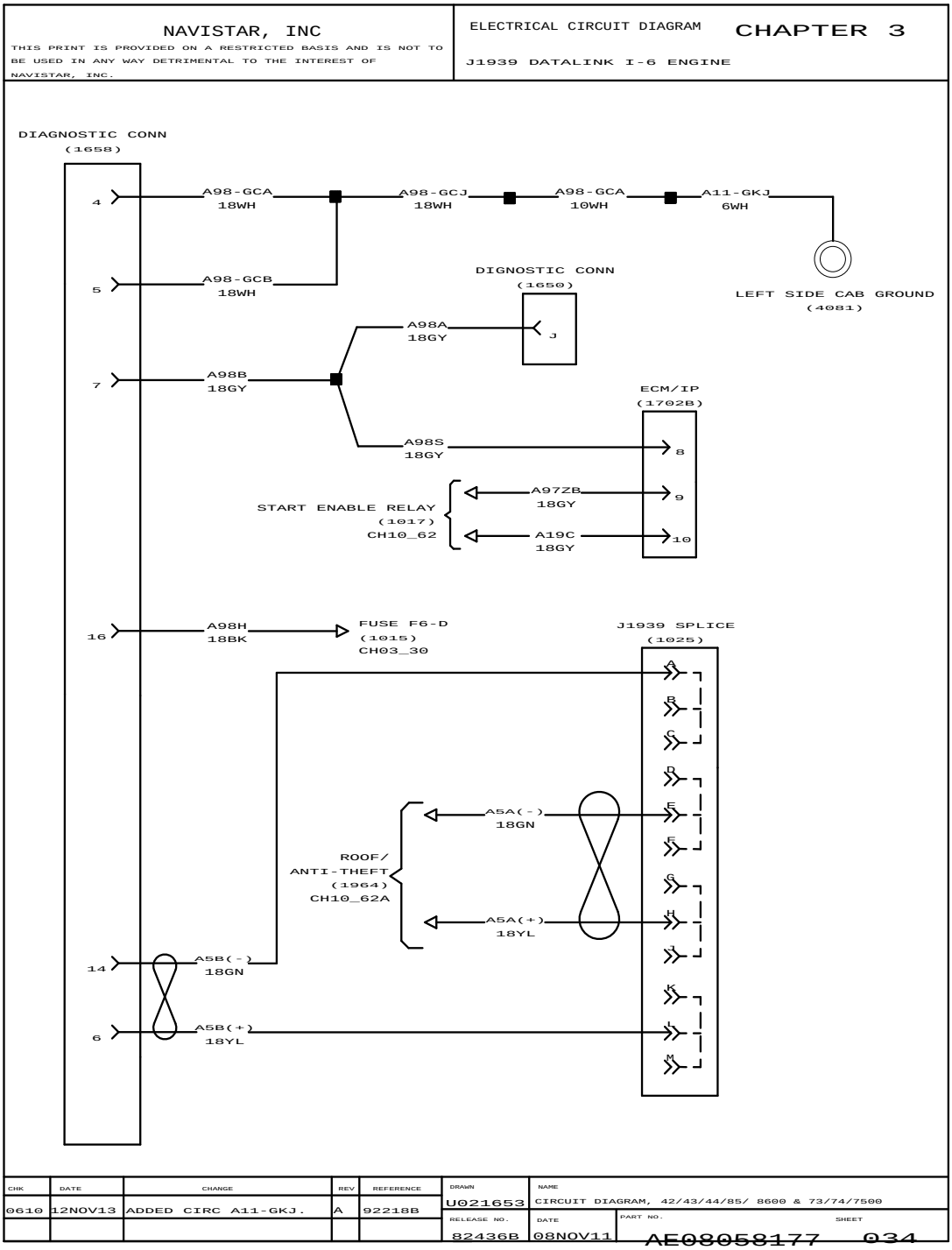

Figure 73 J1939 Data Link I6 Engine

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3.62. J1939 DATA LINK I6 ENGINE (CONT.), P. 34A

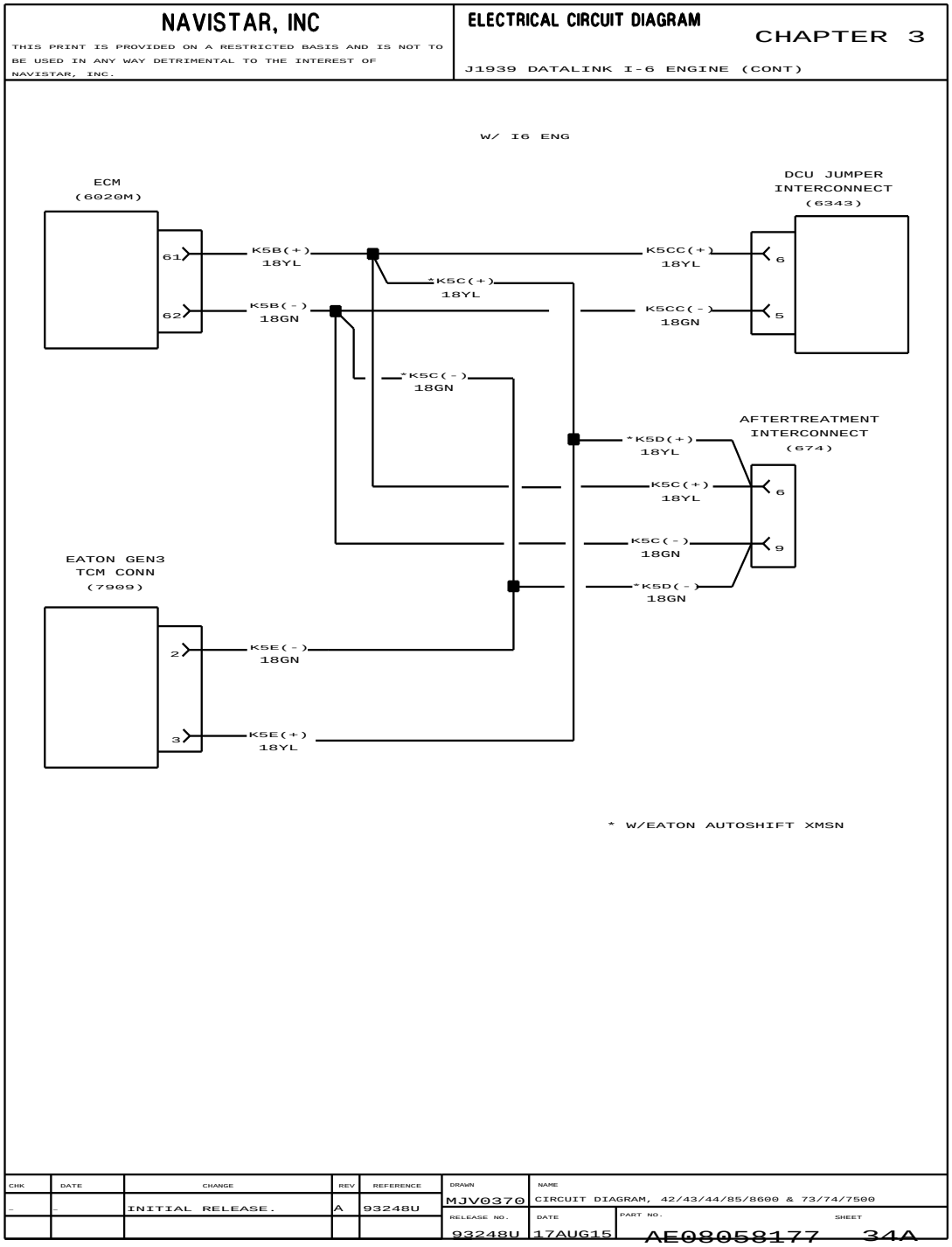

Figure 74 J1939 Data Link I6 Engine (Cont.)

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3.63. J1939 DATA LINK I6 ENGINE (CONT.), P. 34B

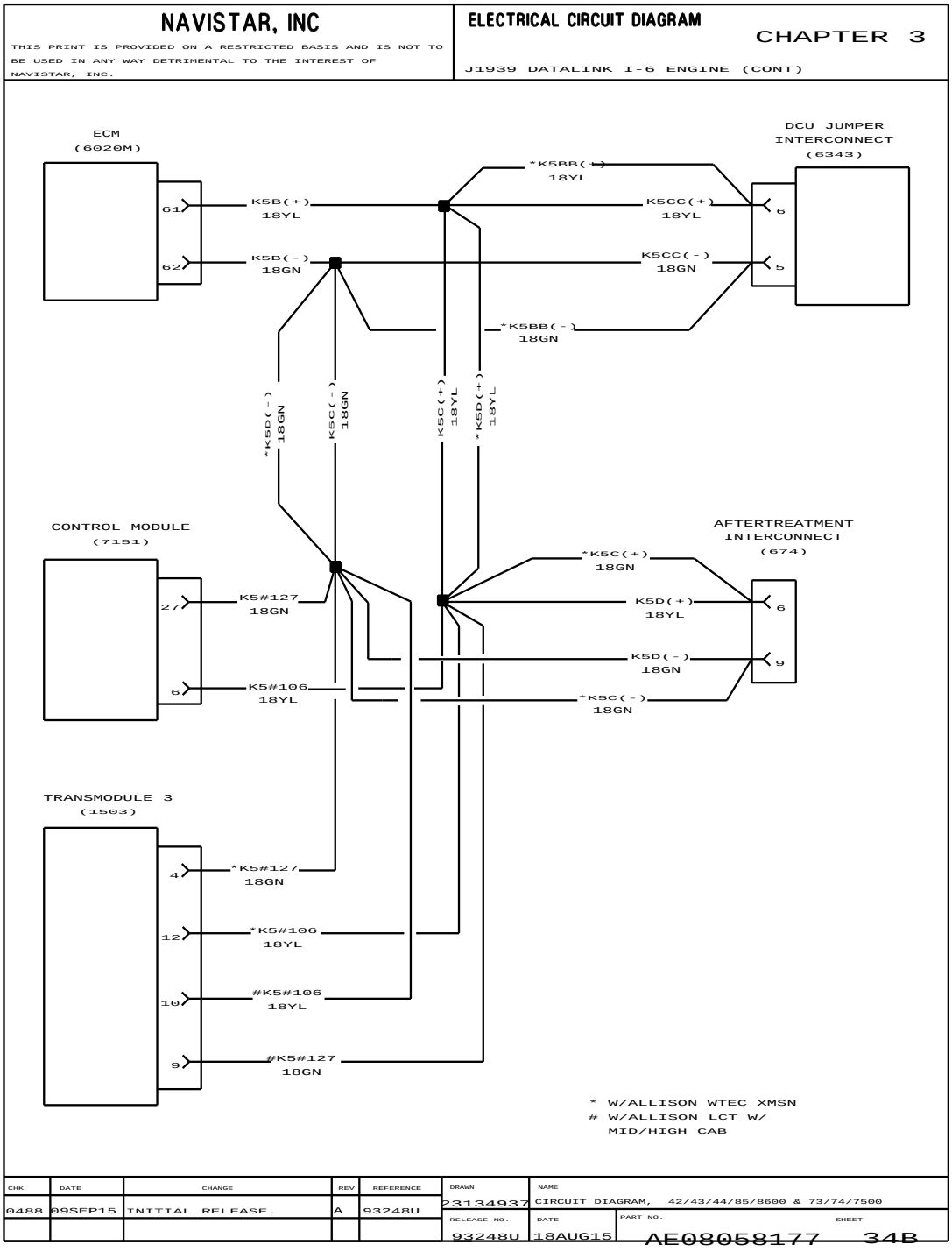

Figure 75 J1939 Data Link I6 Engine (Cont.)

https://truckmanualshub.com/

3.64. ENGINE GROUND I6 ENGINE, P. 35

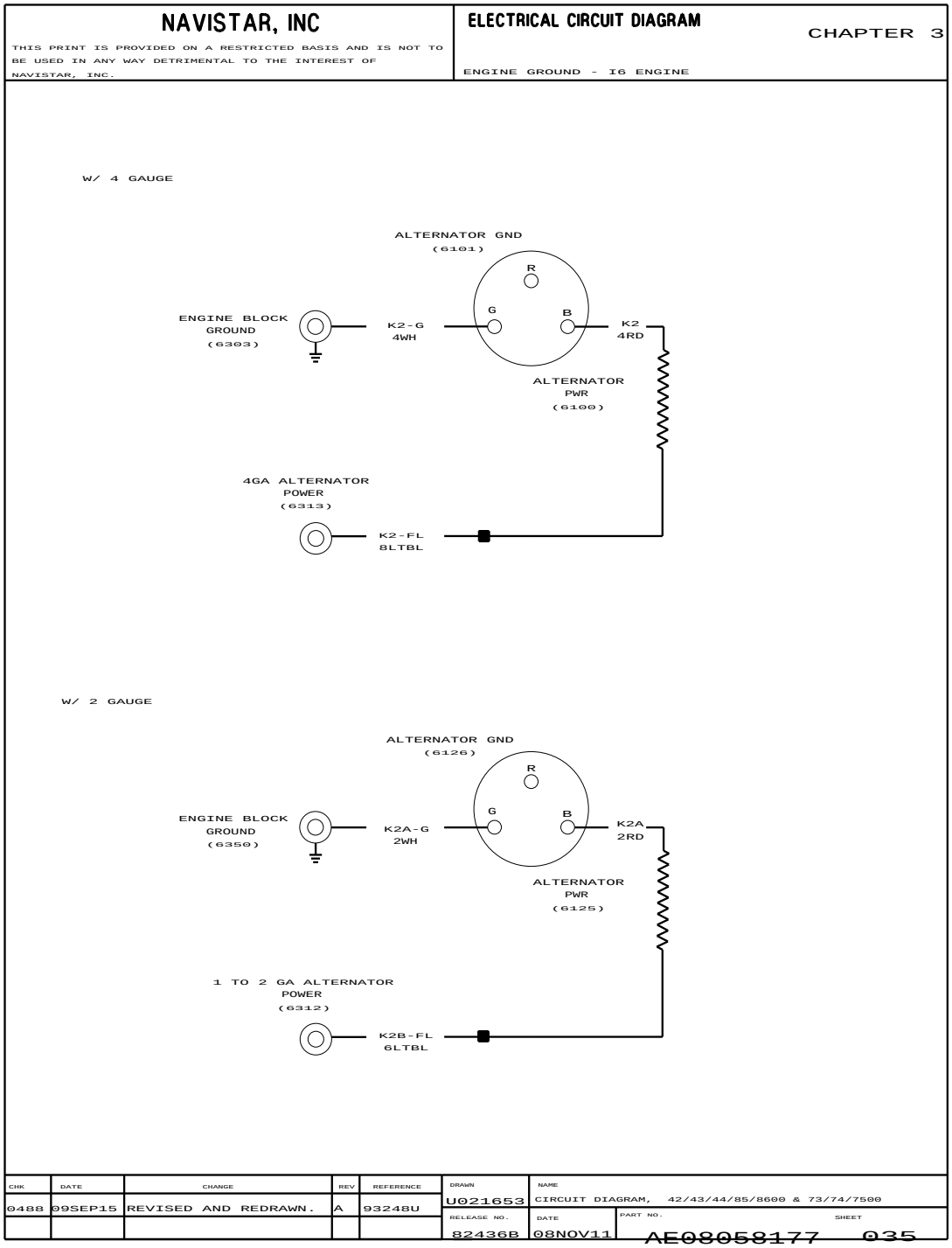

Figure 76 Engine Ground I6 Engine

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3.65. ENGINE BLOCK GROUND I6 ENGINE, P. 35A

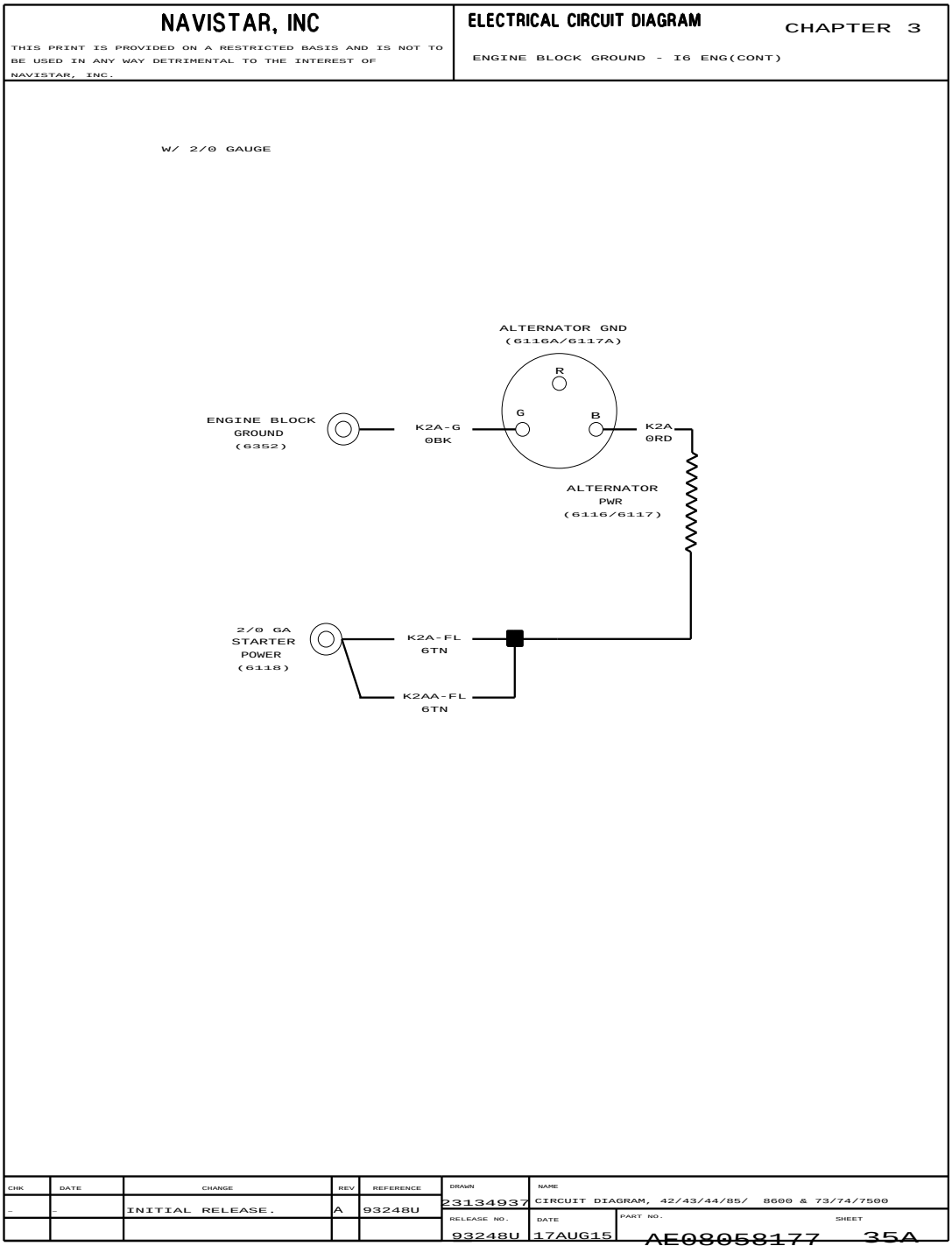

Figure 77 Engine Block Ground I6 Engine

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3.66. J1939 DATA LINK WITH UTILITY BODY CONNECTIONS, P. 36

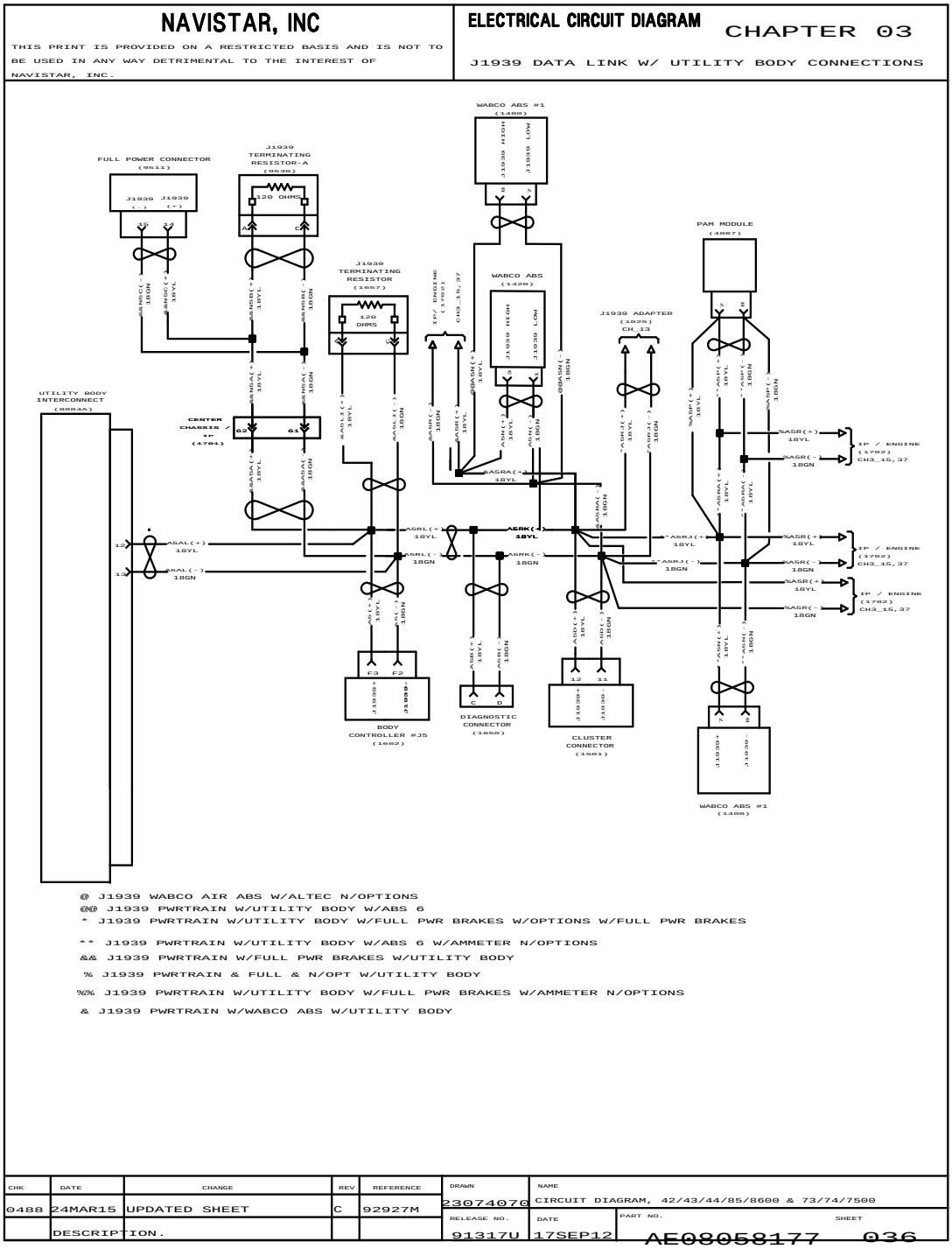

Figure 78 J1939 Data Link with Utility Body Connections

https://truckmanualshub.com/

3.67. J1939 DATA LINK – ISL–G ENGINE, P. 37

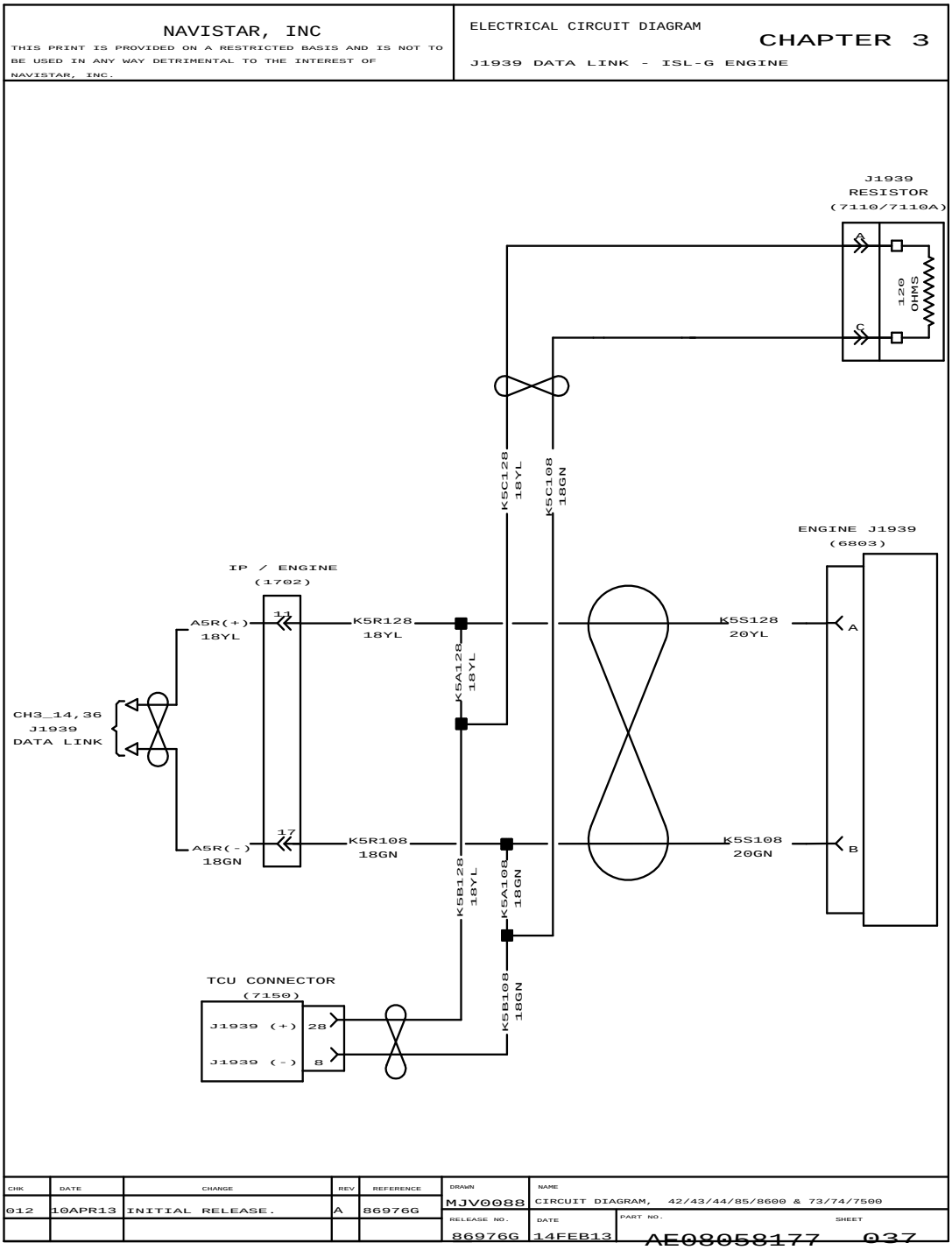

Figure 79 J1939 Data Link – ISL–G Engine

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3.68. J1939 DATA LINK WITH ISB ENGINE, P. 37A

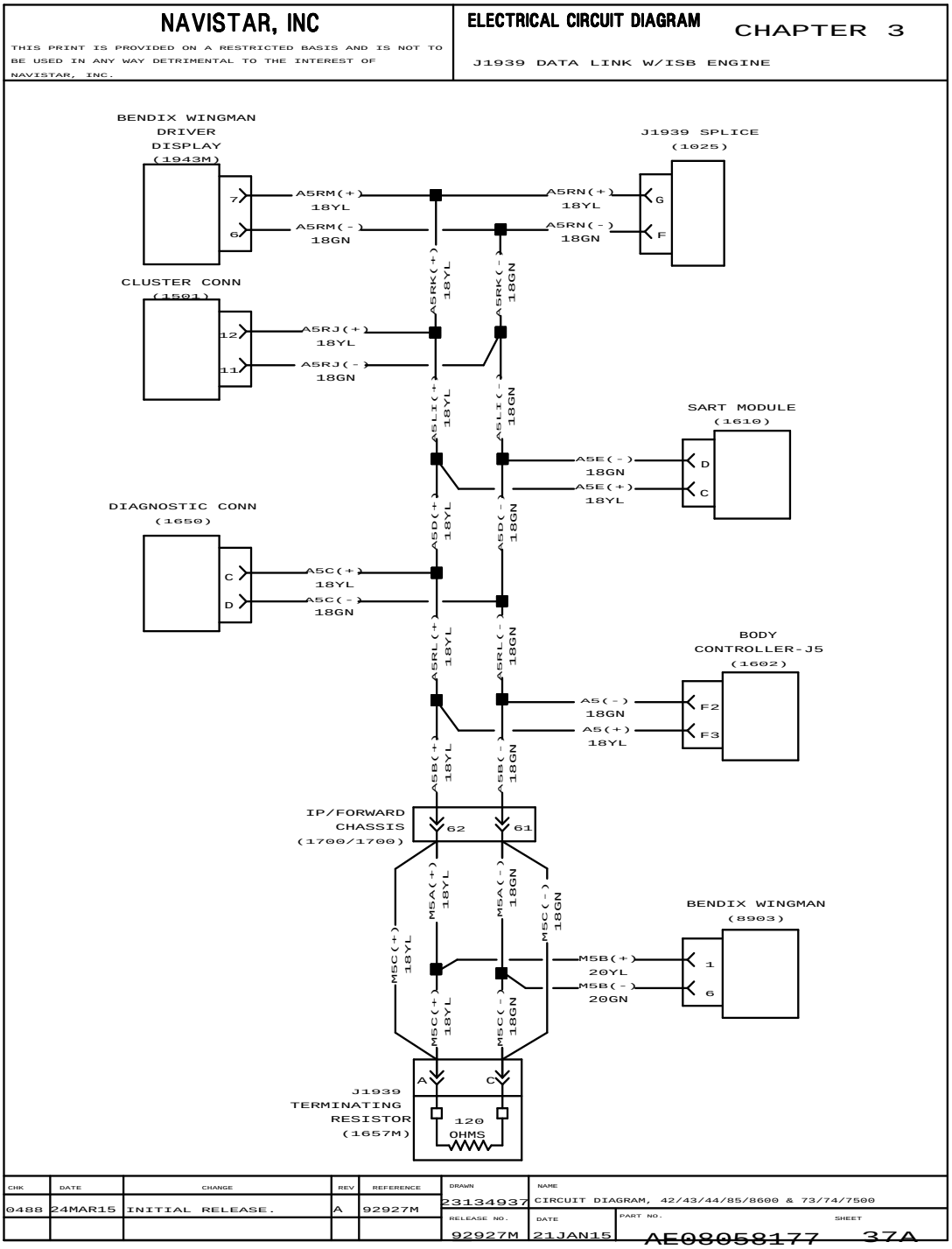

Figure 80 J1939 Data Link with ISB Engine

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3.69. TRAILER SOCKET GROUND, P. 38

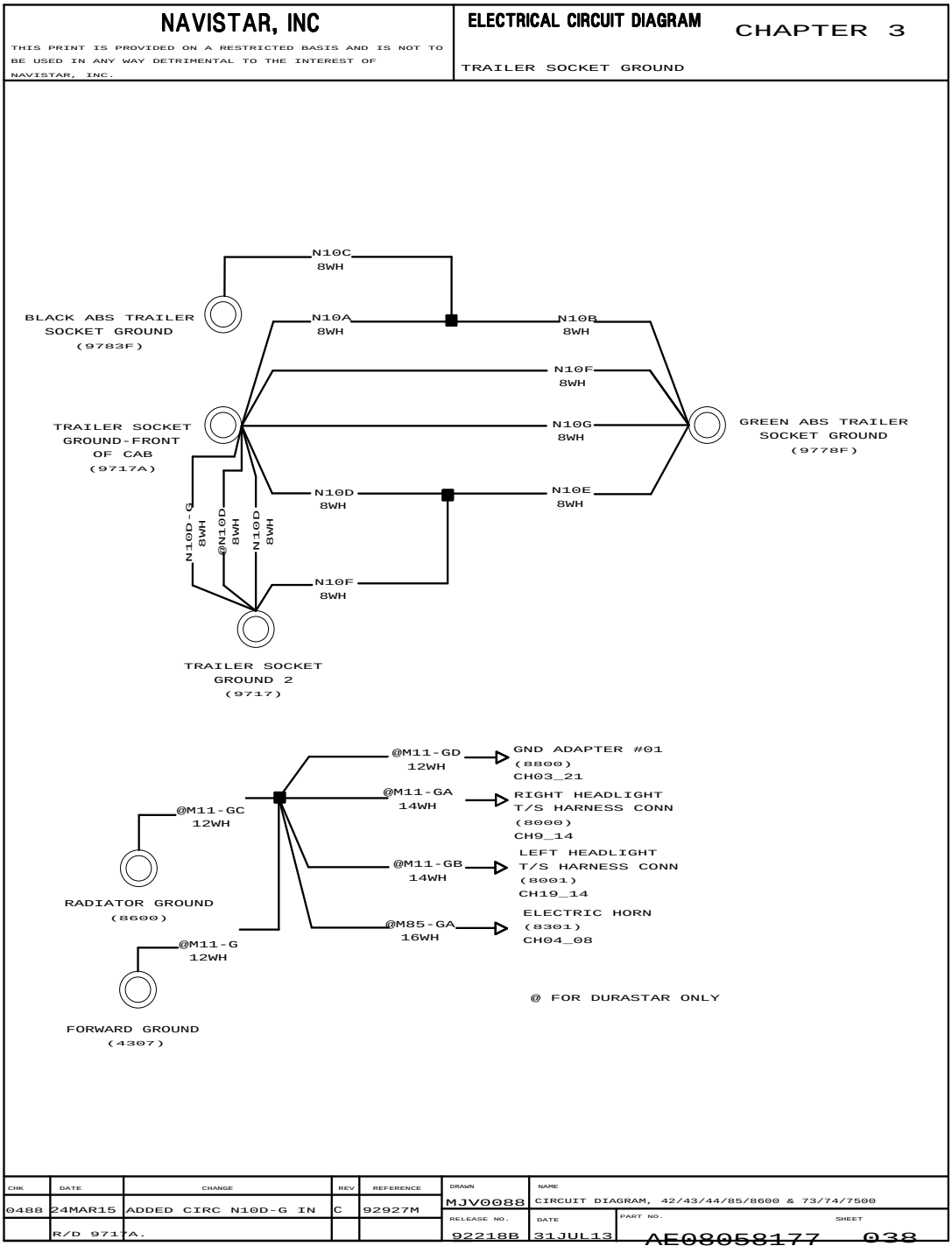

Figure 81 Trailer Socket Ground

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3.70. TRAILER SOCKET GROUND (CONT.), P. 38A

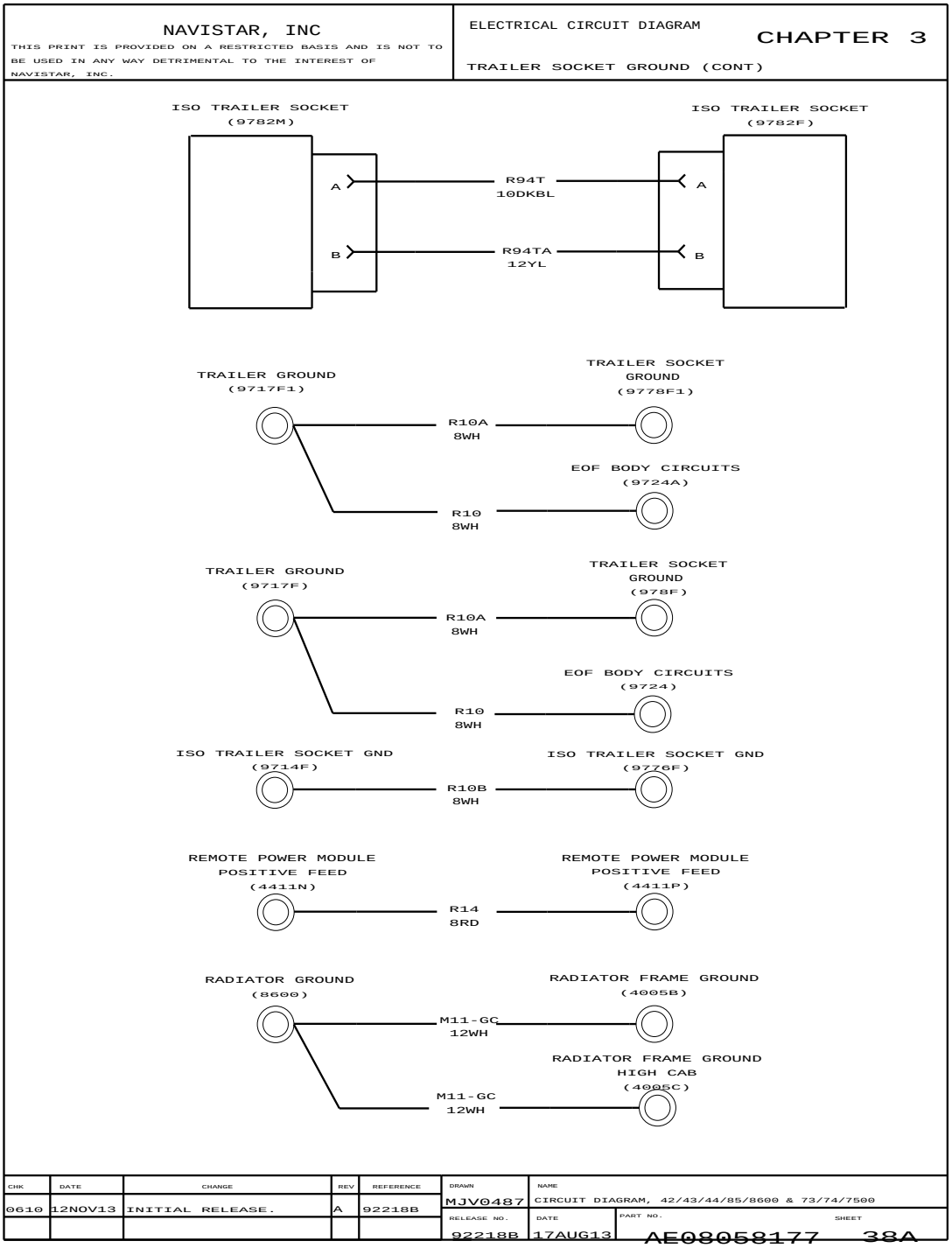

Figure 82 Trailer Socket Ground (Cont.)

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3.71. SART CLOCK MODULE, P. 39

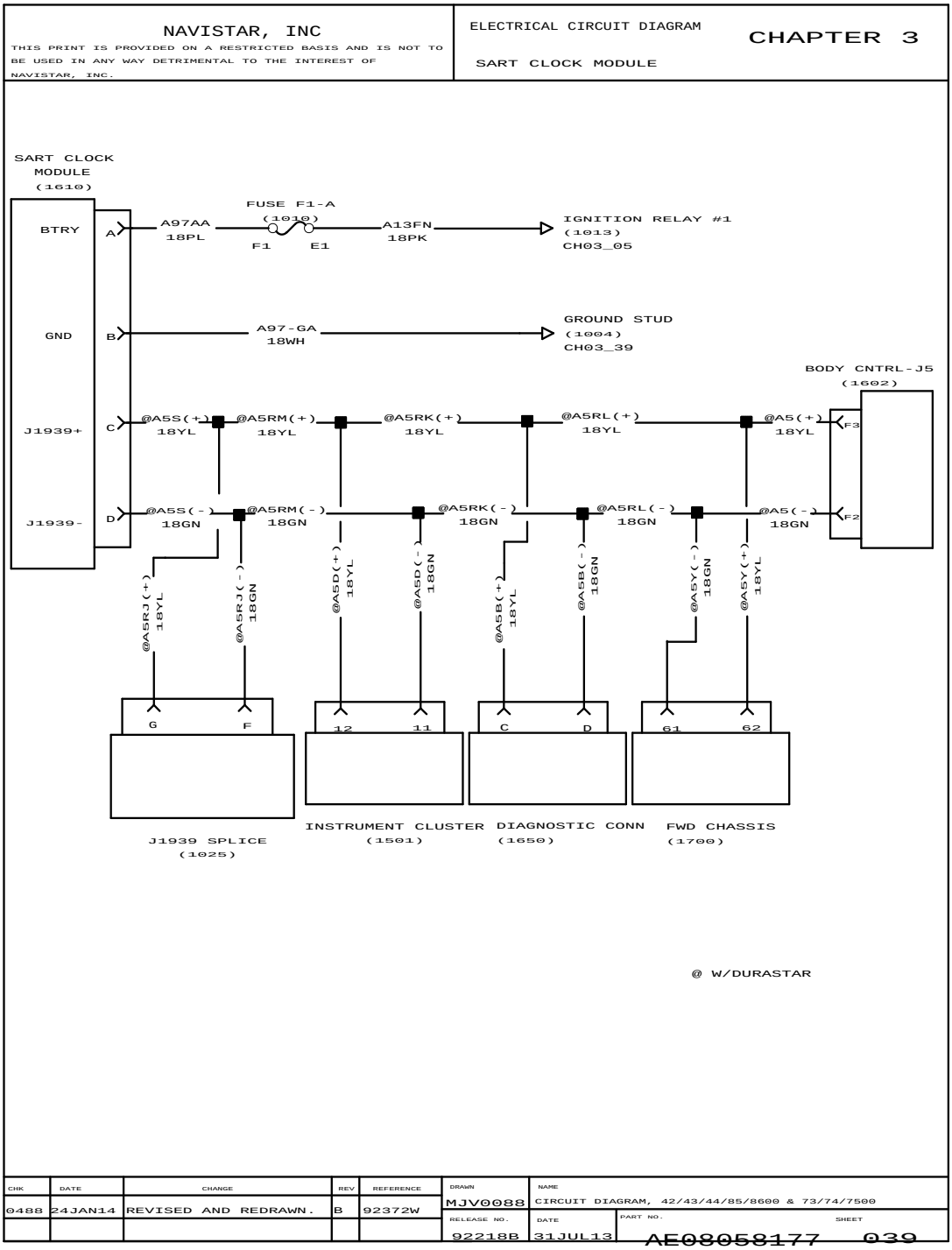

Figure 83 SART Clock Module

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3.72. 250K J1939 CAB DATA LINK WITH 500K REGULATORY UPDATE, P. 40

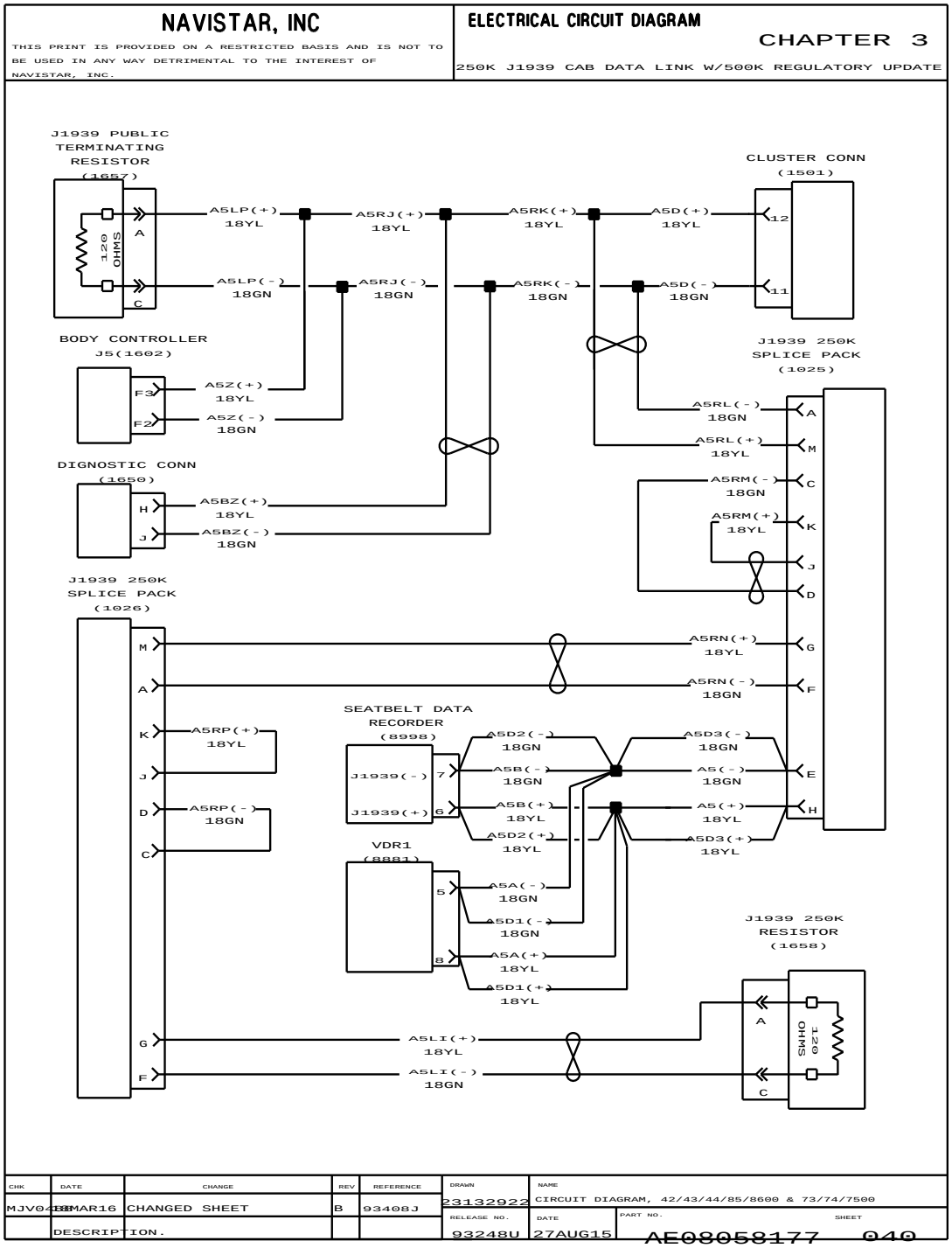

Figure 84 250K J1939 Cab Data Link with 500K Regulatory Update

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3.73. 250K J1939 CAB DATA LINK WITH 500K REGULATORY UPDATE (CONT.), P. 40A

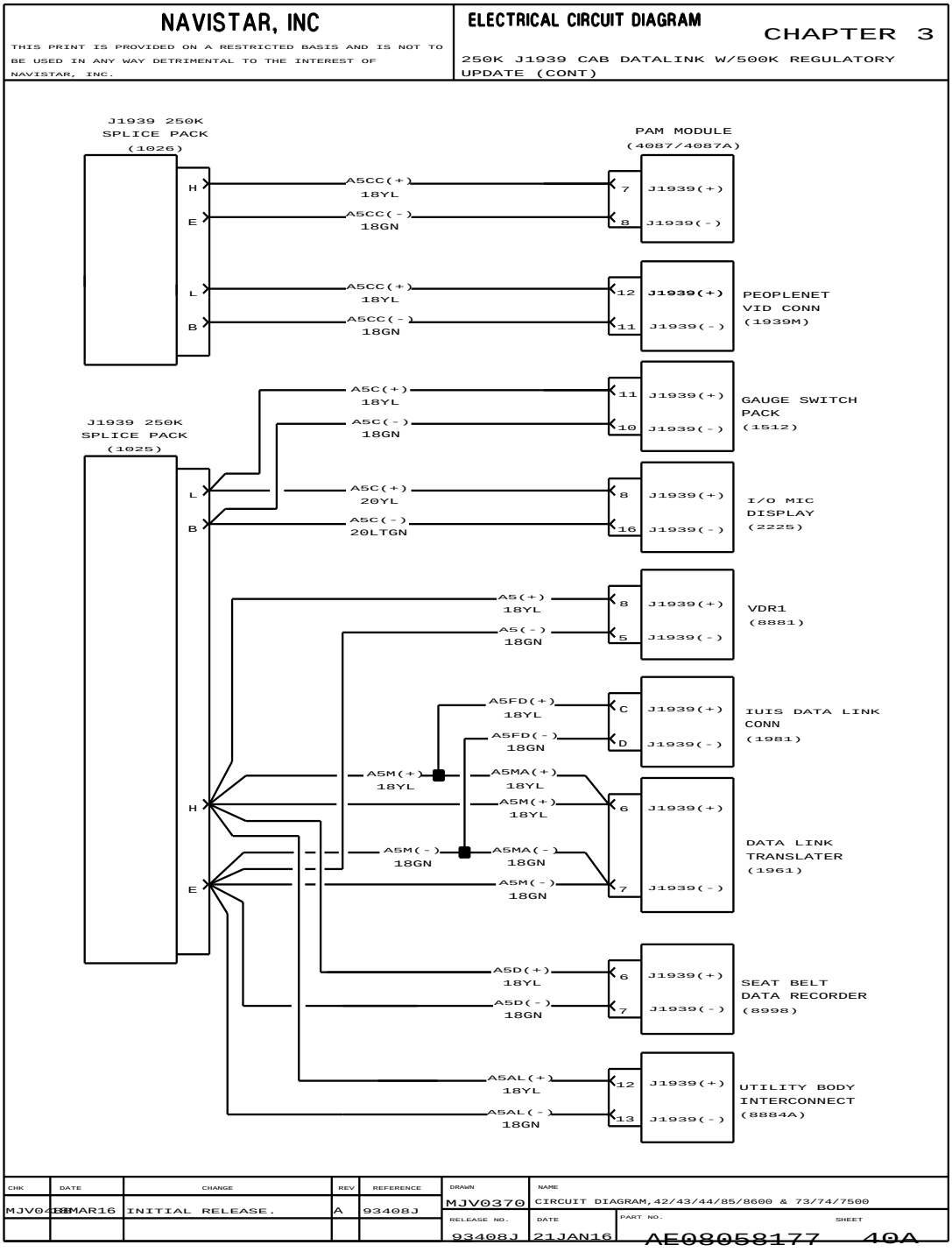

Figure 85 250K J1939 Cab Data Link with 500K Regulatory Update (Cont.)

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3.74. J1939 DATA LINK WITHOUT ALLISON TRANSMISSION WITH 500K BAUD RATE, P. 41

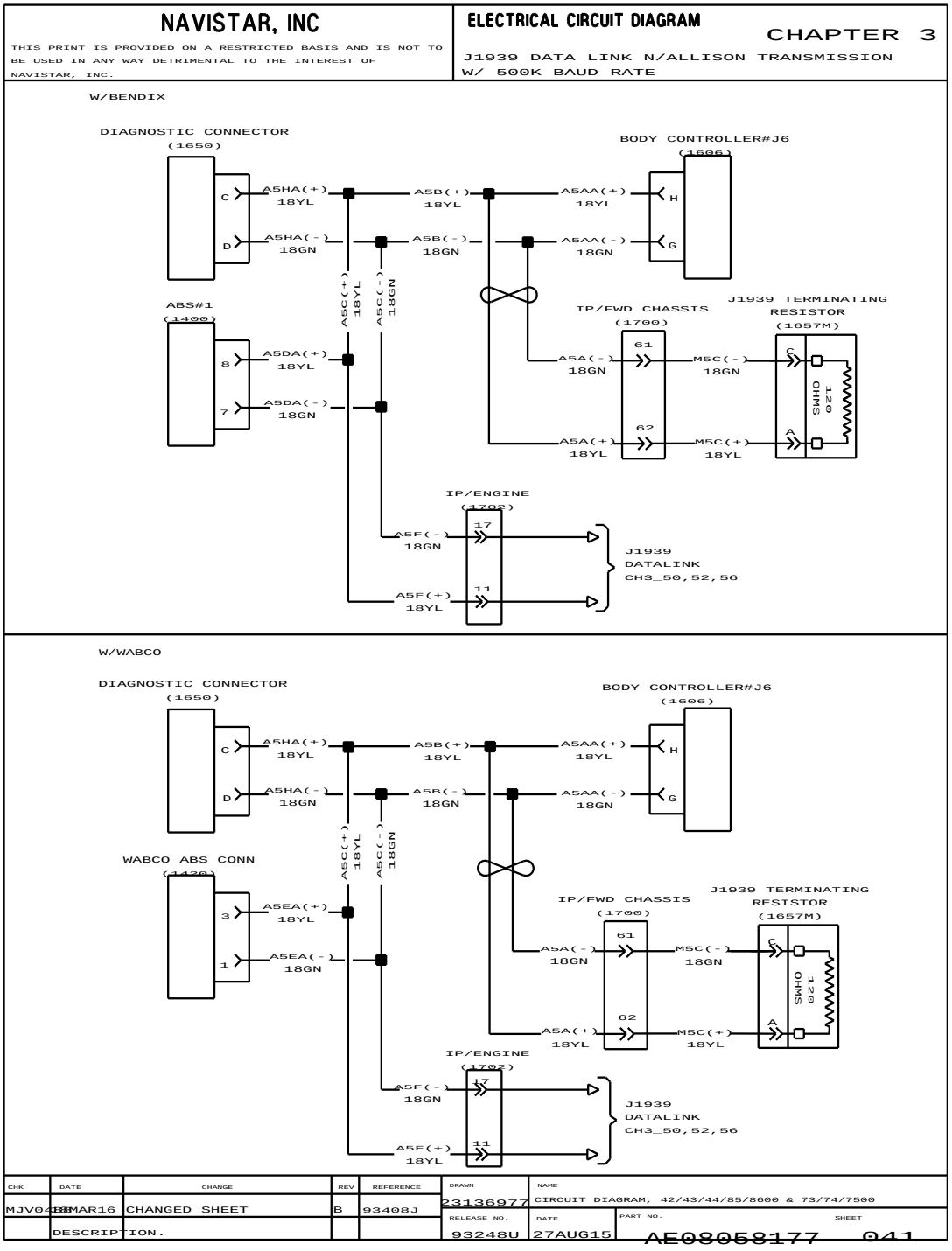

Figure 86 J1939 Data Link without Allison Transmission with 500K Baud Rate

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3.75. J1939 DATA LINK WITH ALLISON TRANSMISSION WITH 500K BAUD RATE, P. 42

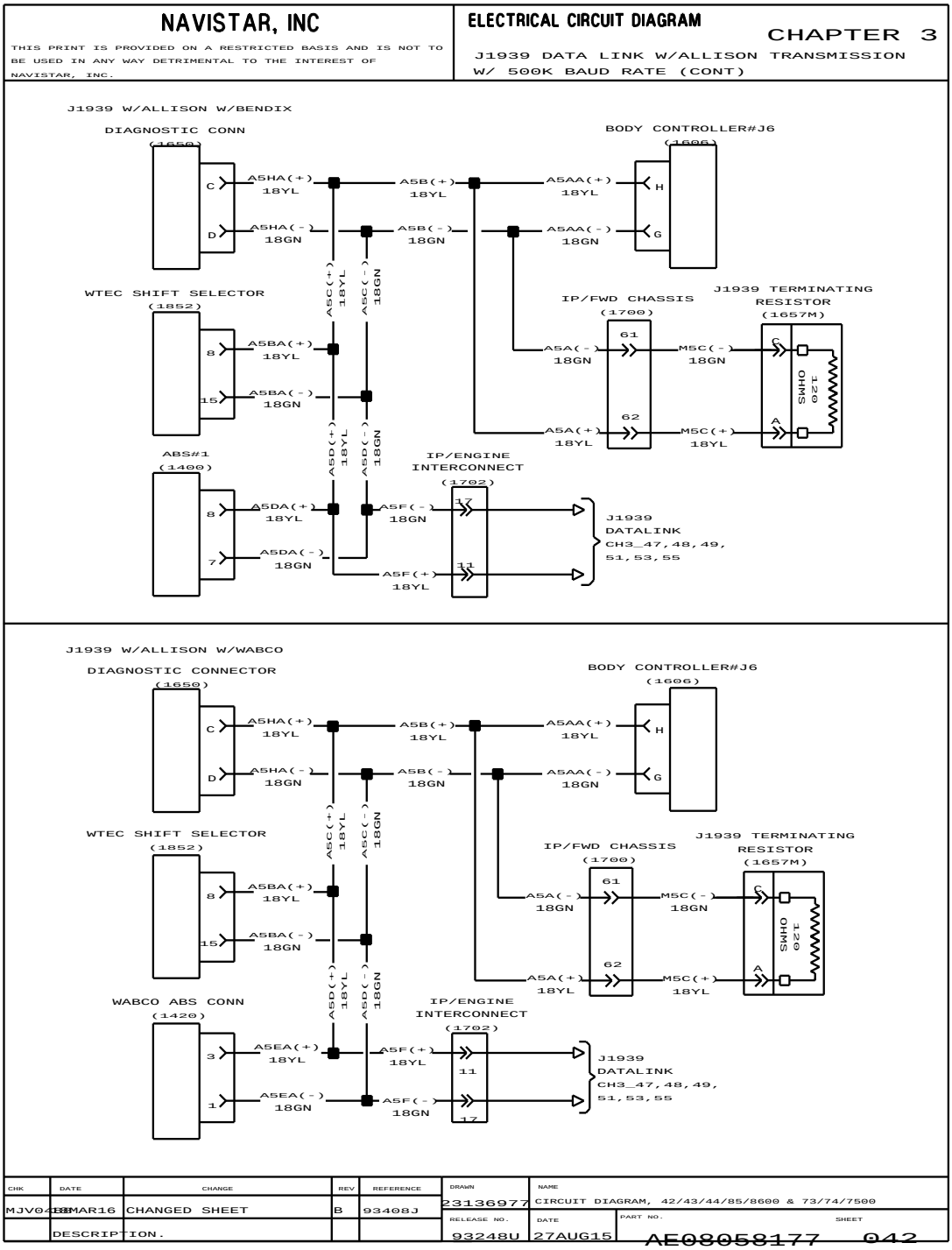

Figure 87 J1939 Data Link with Allison Transmission with 500K Baud Rate

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3.76. J1939 DATA LINK WITH ALLISON TRANSMISSION WITH WINGMAN WITH 500K BAUD RATE, P. 43

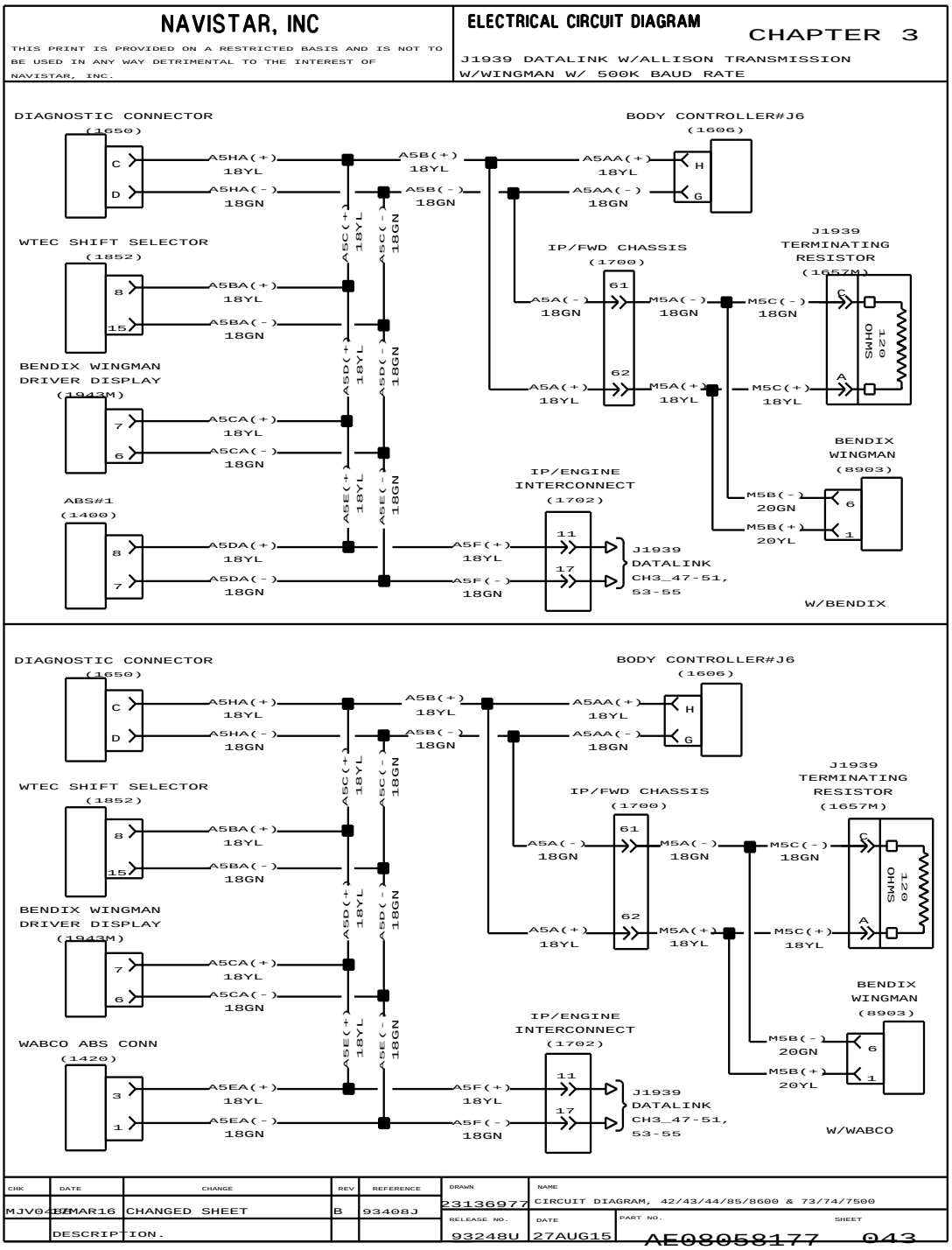

Figure 88 J1939 Data Link with Allison Transmission with Wingman with 500K Baud Rate

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3.77. J1939 DATA LINK WITH ALLISON TRANSMISSION WITH CENTER PANEL WITH 500K BAUD RATE, P. 44

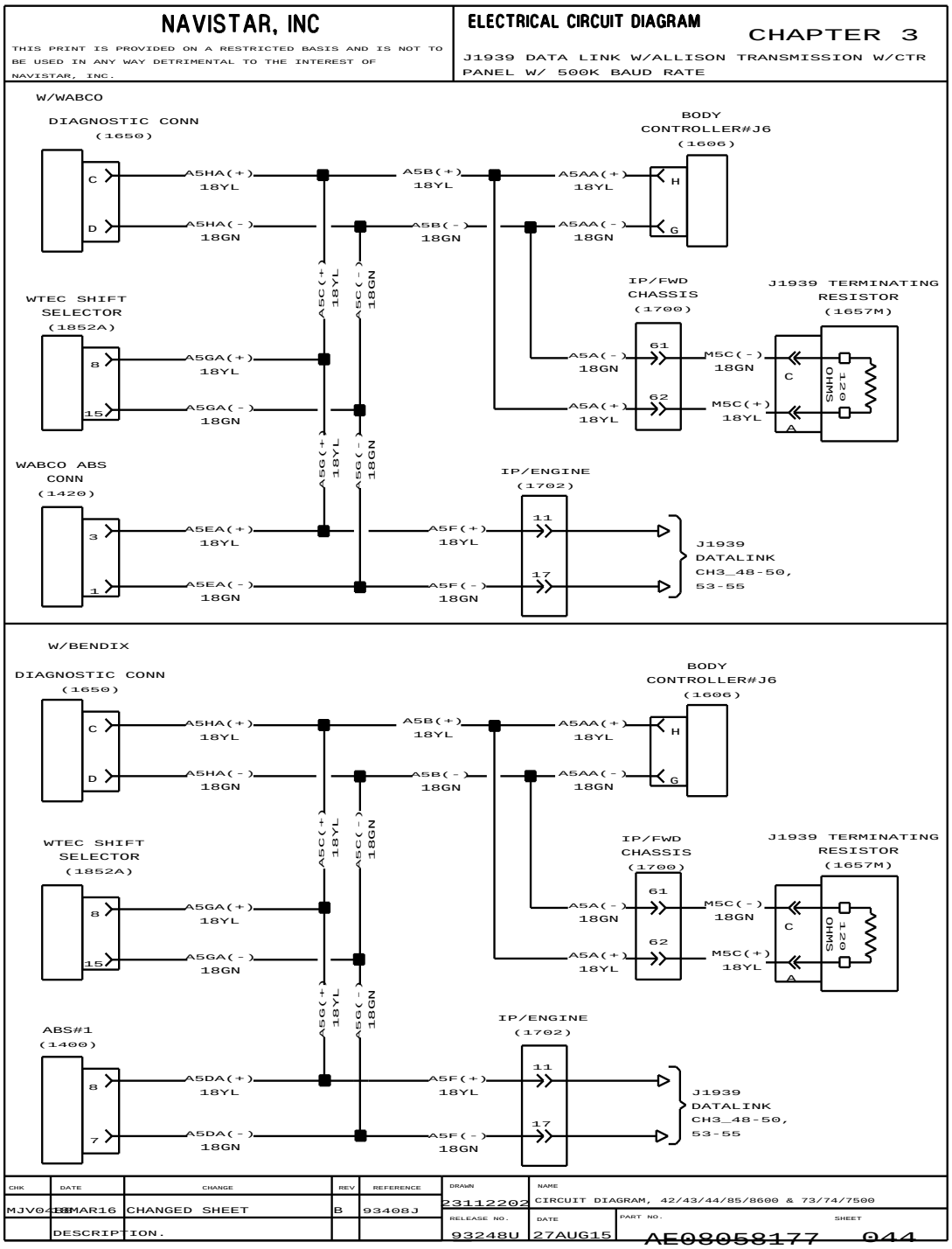

Figure 89 J1939 Data Link with Allison Transmission with Center Panel with 500K Baud Rate

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3.78. J1939 DATA LINK WITHOUT ALLISON TRANSMISSION WITH WINGMAN WITH 500K BAUD RATE, P. 45

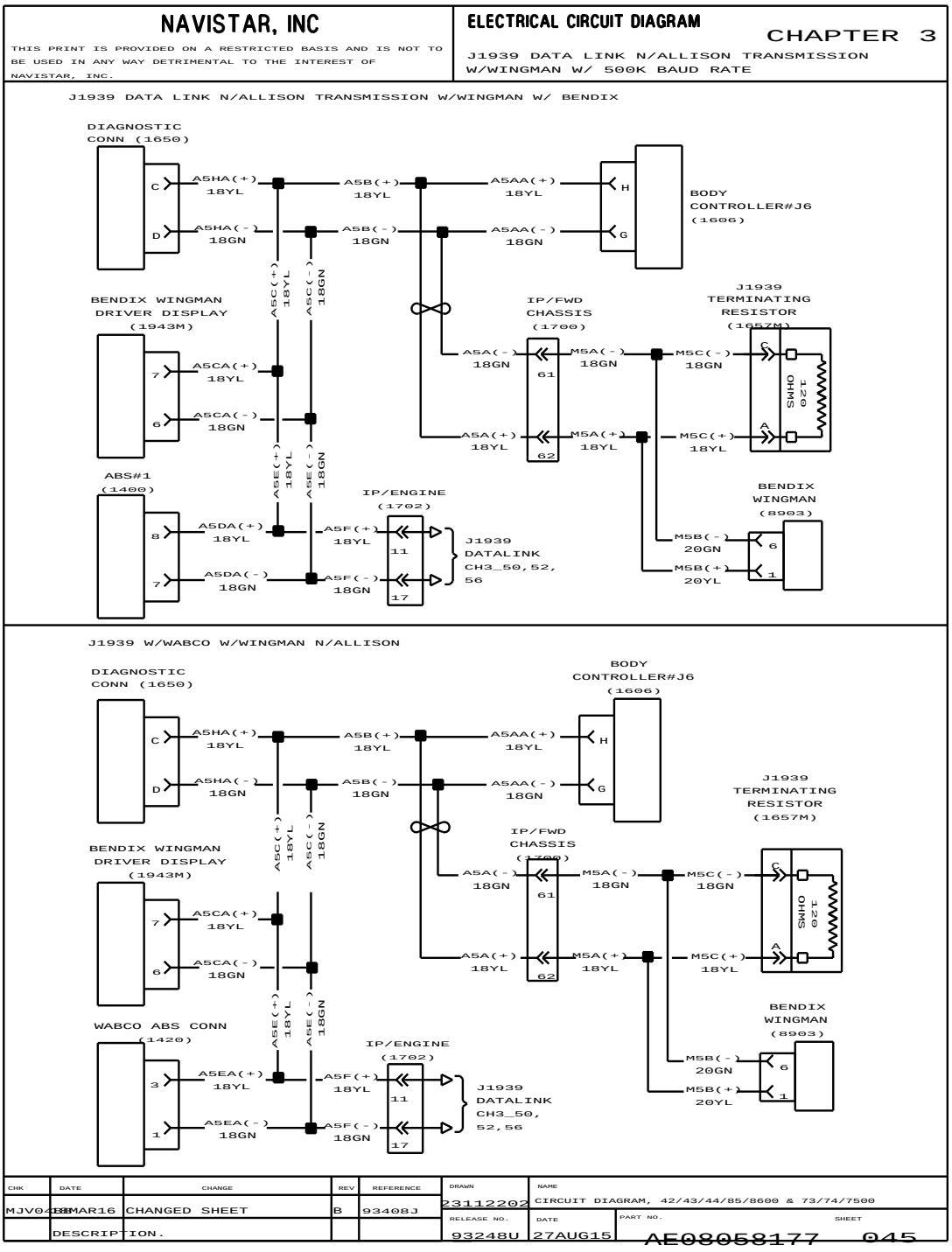

Figure 90 J1939 Data Link without Allison Transmission with Wingman with 500K Baud Rate

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3.79. J1939 DATA LINK WITH HYDRAULIC BRAKES WITH 500K BAUD RATE, P. 46

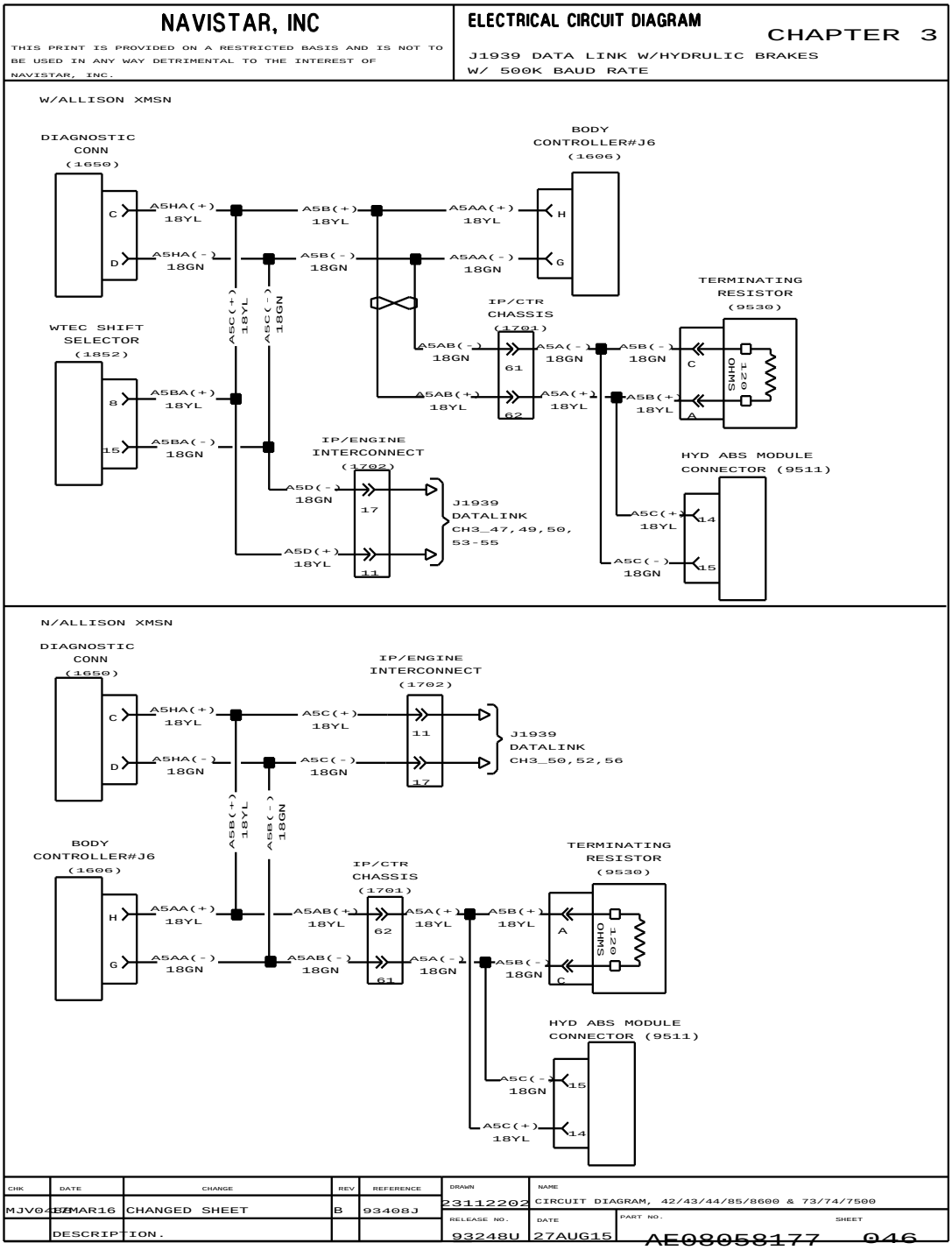

Figure 91 J1939 Data Link with Hydraulic Brakes with 500K Baud Rate

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3.80. J1939 DATA LINK WITH 500K BAUD RATE WITH TC10 TRANSMISSION WITH IBB ENGINE, P. 47

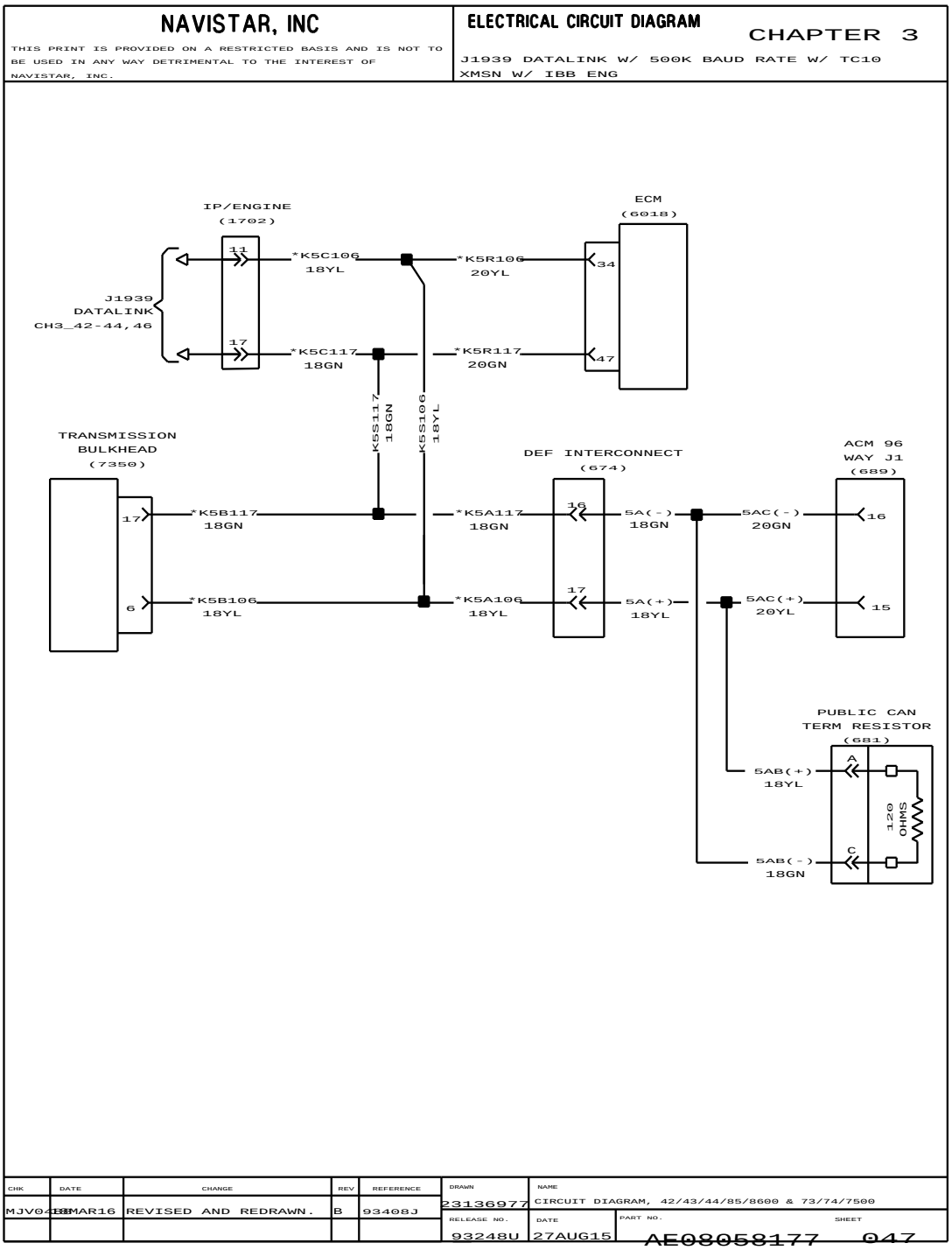

Figure 92 J1939 Data Link with 500K Baud Rate with TC10 Transmission with IBB Engine

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3.81. J1939 DATA LINK WITH 500K BAUD RATE WITH ALLISON TRANSMISSION WITH IBB ENGINE, P. 48

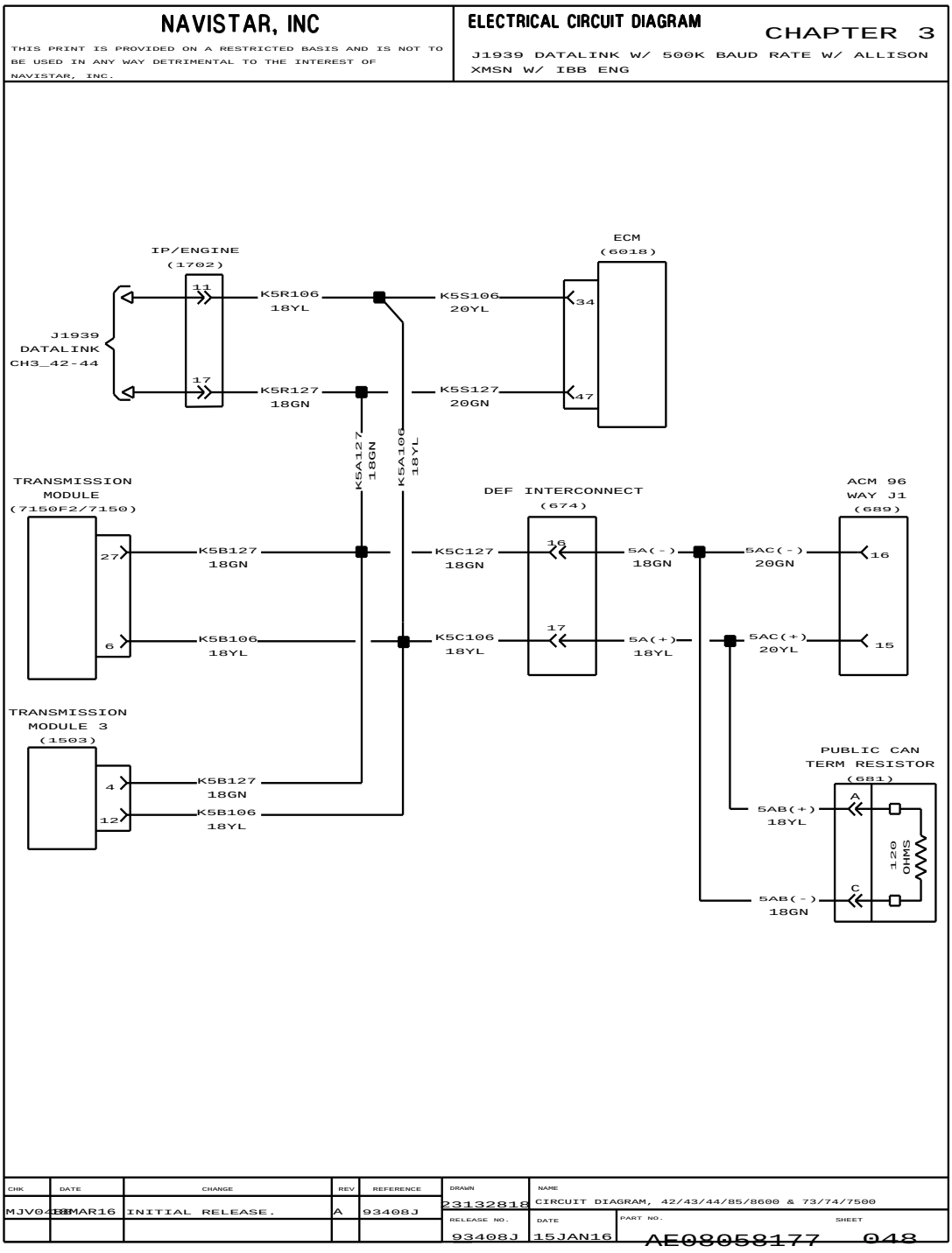

Figure 93 J1939 Data Link with 500K Baud Rate with Allison Transmission with IBB Engine

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3.82. J1939 DATA LINK WITH 500K BAUD RATE WITH ALLISON TRANSMISSION WITH CUMMINS ISB ENGINE WITH WORKSTAR, P. 49

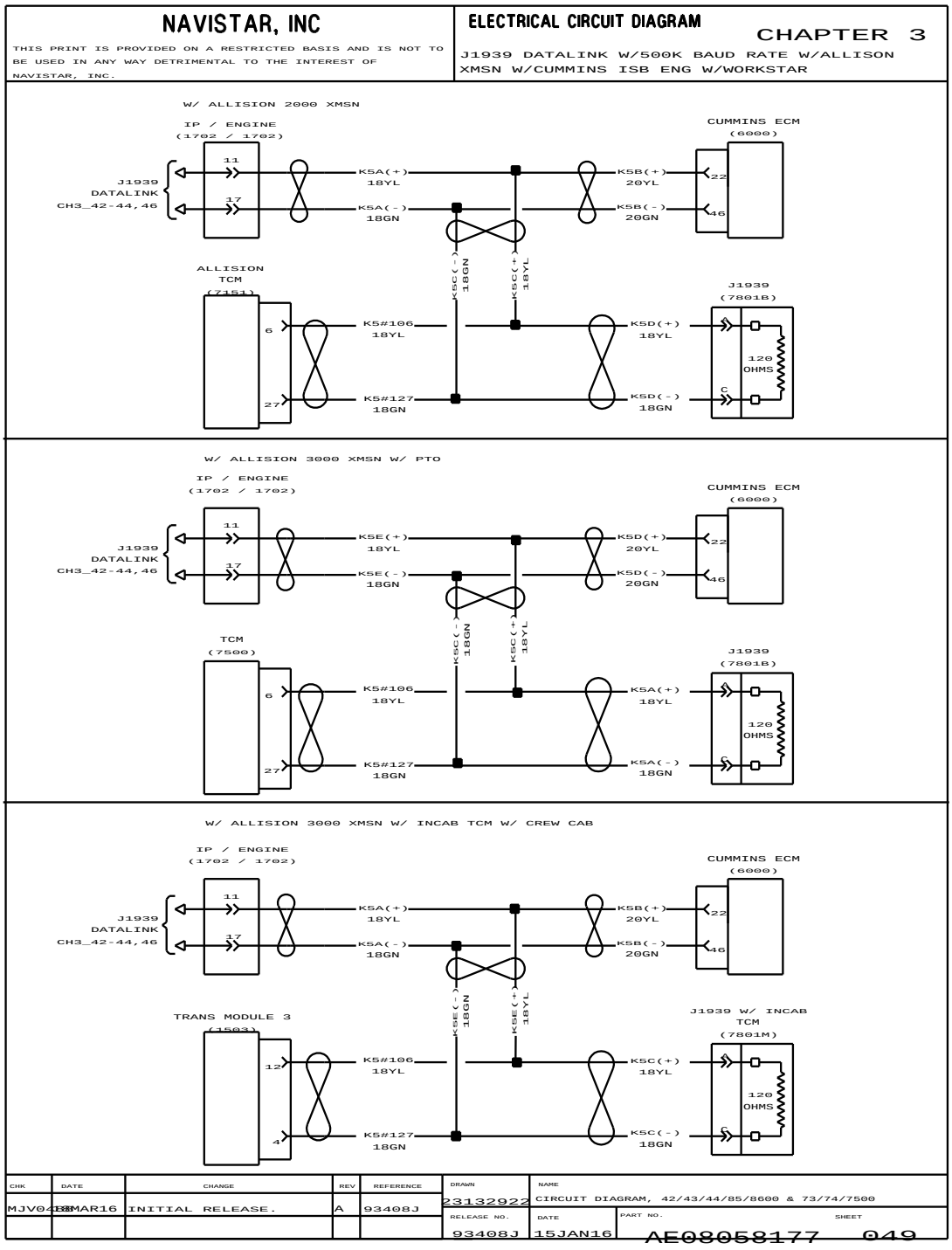

Figure 94 J1939 Data Link with 500K Baud Rate with Allison Transmission with Cummins ISB Engine with WorkStar

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3.83. J1939 DATA LINK WITH 500K BAUD RATE WITH 2010 SCR I6 ENGINE, P. 50

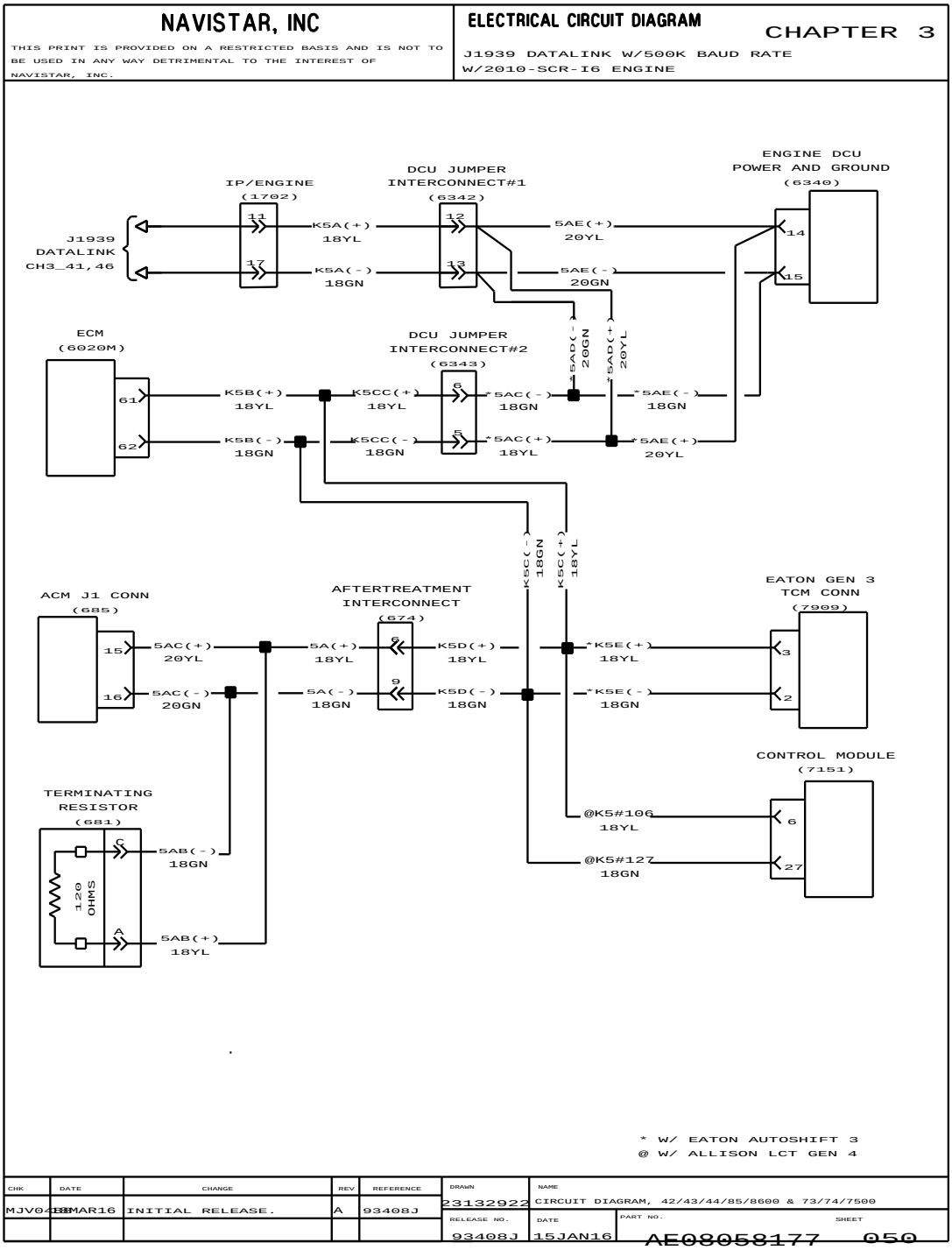

Figure 95 J1939 Data Link with 500K Baud Rate with 2010 SCR I6 Engine

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3.84. J1939 DATA LINK WITH 500K BAUD RATE WITH ALLISON WTEC GEN 4 WITH MID/HIGH CAB WITH CREW CAB WITH 2010 SCR I6 ENGINE, P. 51

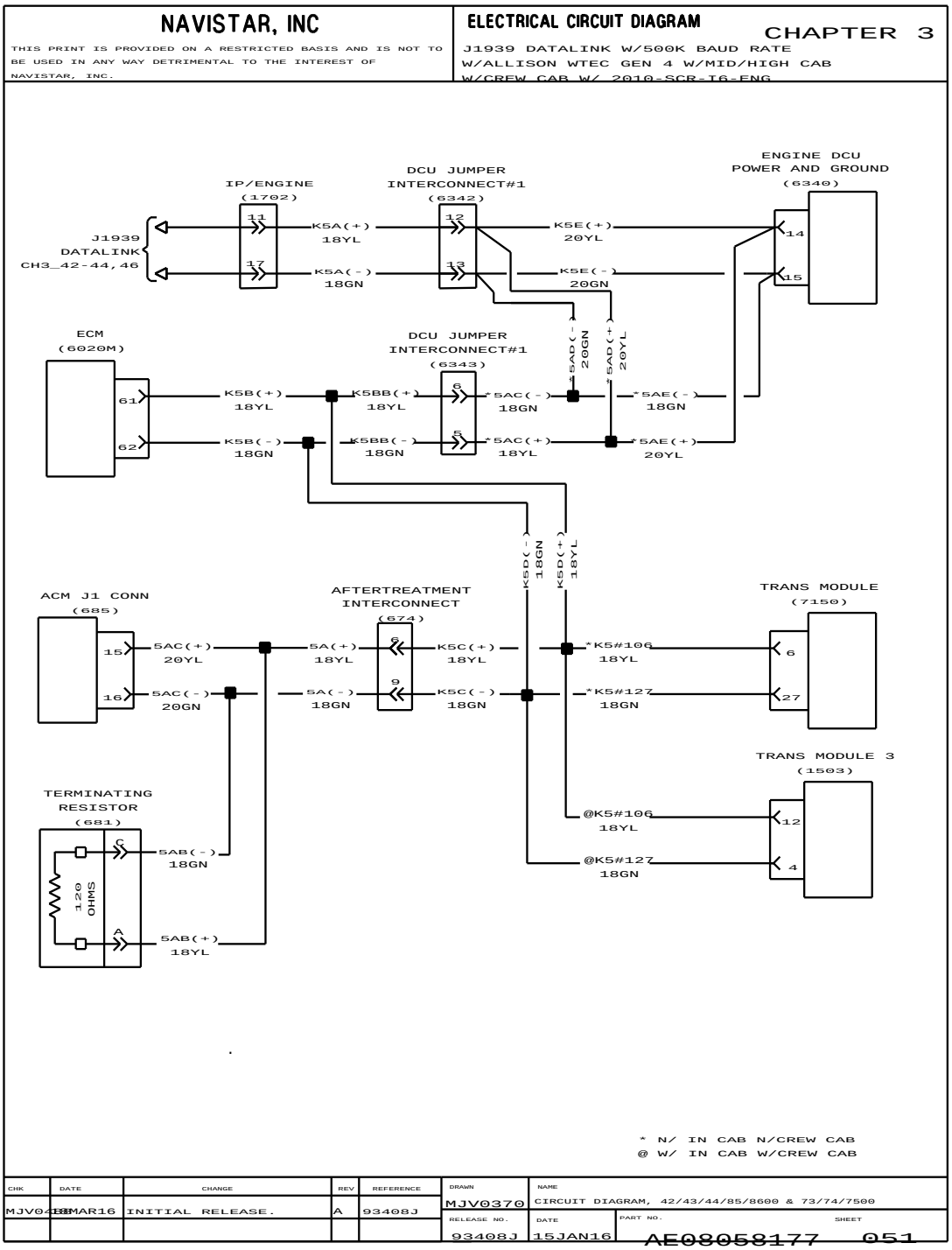

Figure 96 J1939 Data Link with 500K Baud Rate with Allison WTEC Gen 4 with Mid/High Cab with Crew Cab with 2010 SCR I6 Engine

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3.85. J1939 DATA LINK WITH 500K BAUD RATE WITH BACKBONE WITH MID/HIGH CAB WITH 2010 SCR I6 ENGINE, P. 52

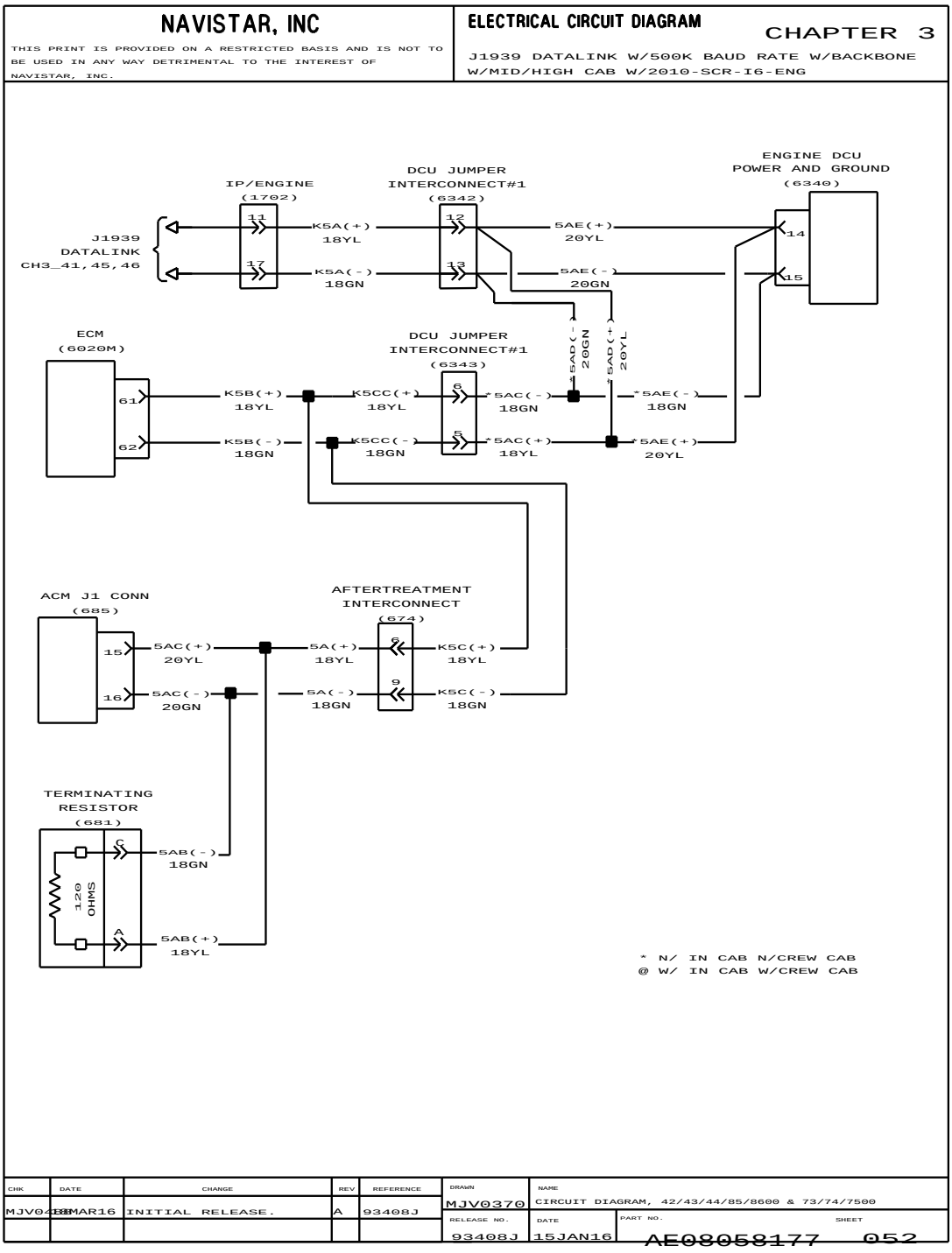

Figure 97 J1939 Data Link with 500K Baud Rate with Backbone with Mid/High Cab with 2010 SCR I6 Engine

https://truckmanualshub.com/

3.86. J1939 DATA LINK WITH 500K BAUD RATE WITH ALLISON WTEC GEN 4 WITH MID/HIGH CAB WITH CREW CAB WITH 2010 SCR I6 ENGINE, P. 53

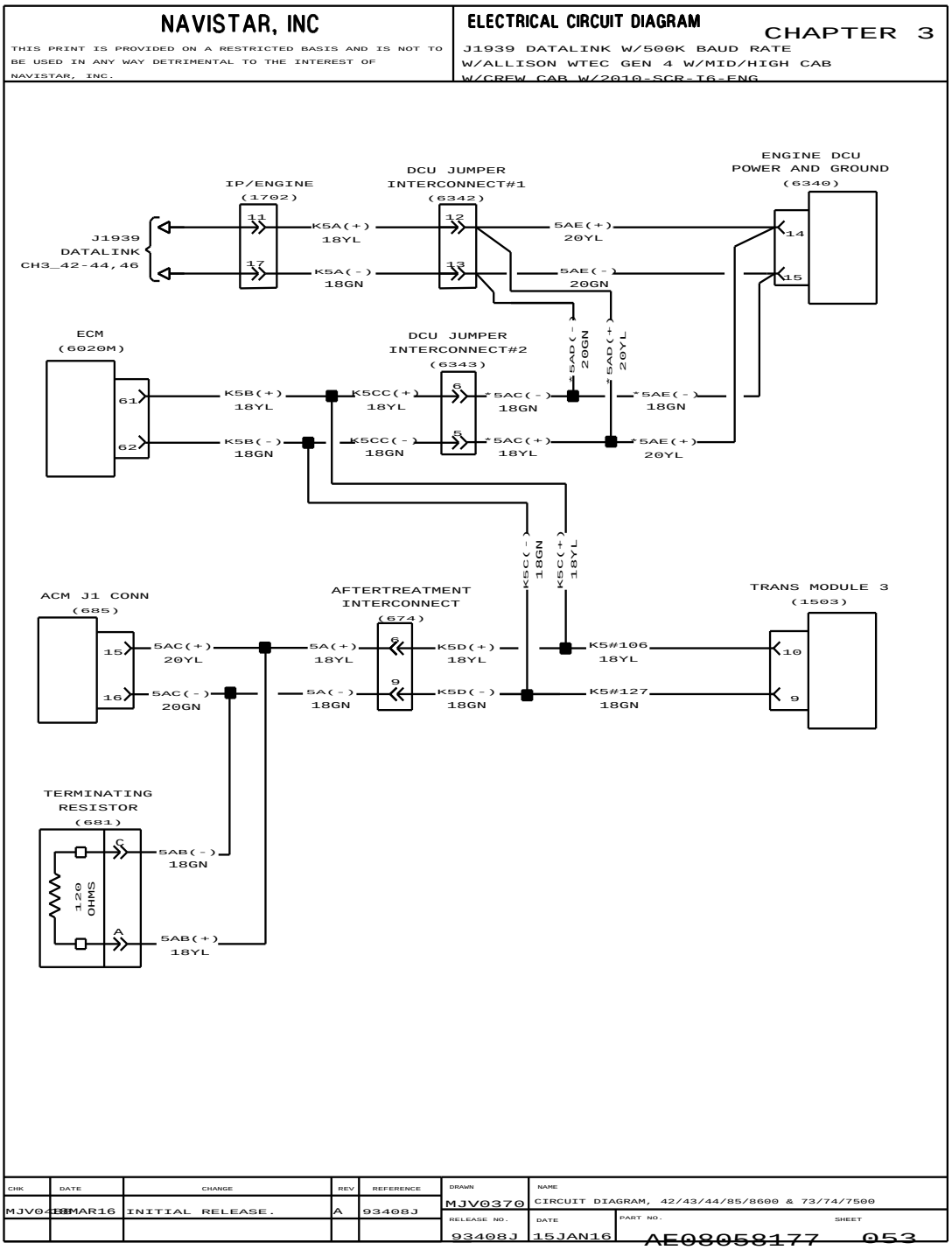

Figure 98 J1939 Data Link with 500K Baud Rate with Allison WTEC Gen 4 with Mid/High Cab with Crew Cab with 2010 SCR I6 Engine

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3.87. J1939 DATA LINK WITH 500K BAUD RATE WITH ALLISON TRANSMISSION WITH CUMMINS ISB ENGINE, P. 54

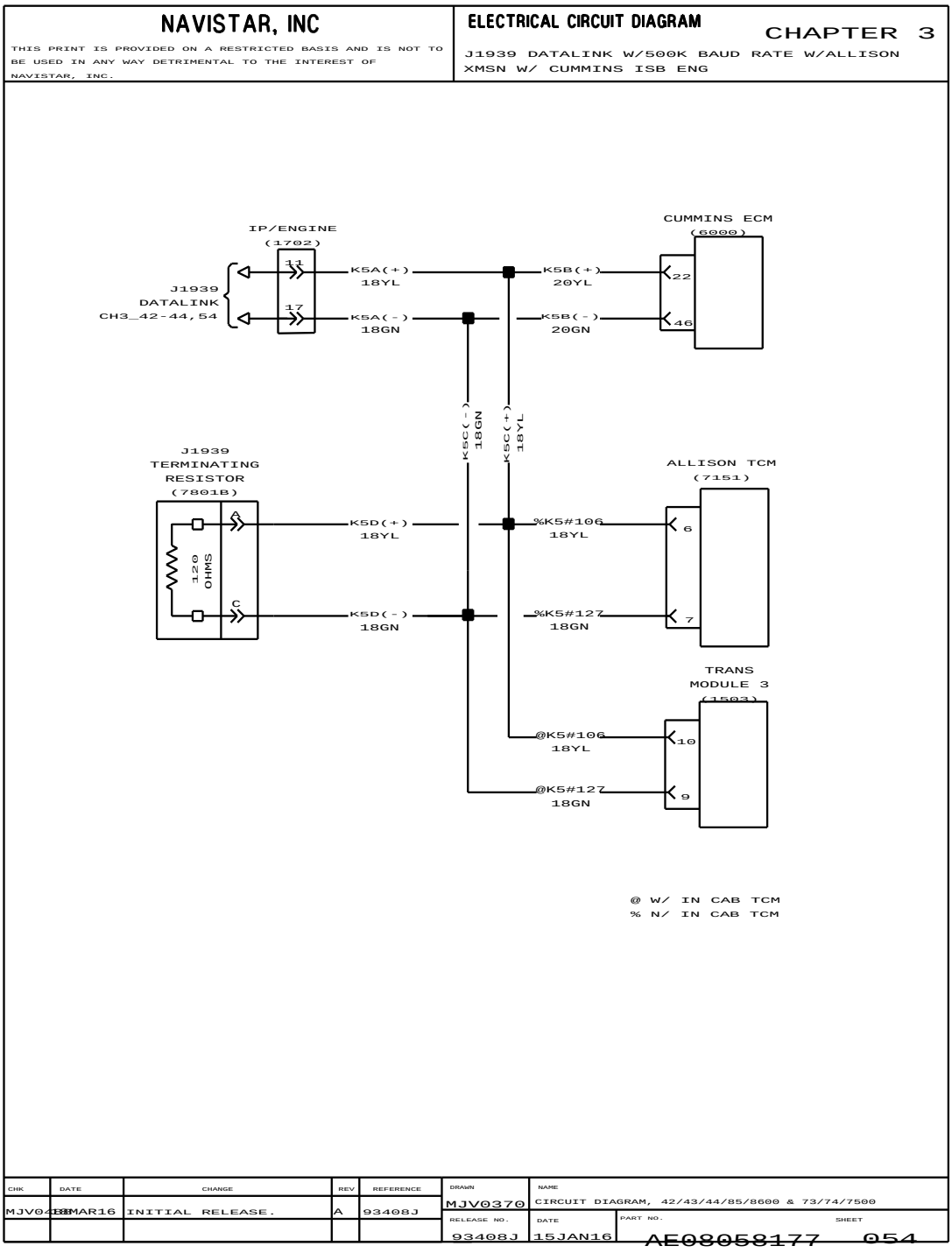

Figure 99 J1939 Data Link with 500K Baud Rate with Allison Transmission with Cummins ISB Engine

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3.88. J1939 DATA LINK WITH 500K BAUD RATE WITH ALLISON TRANSMISSION WITH CUMMINS ISB ENGINE (CONT.), P. 55

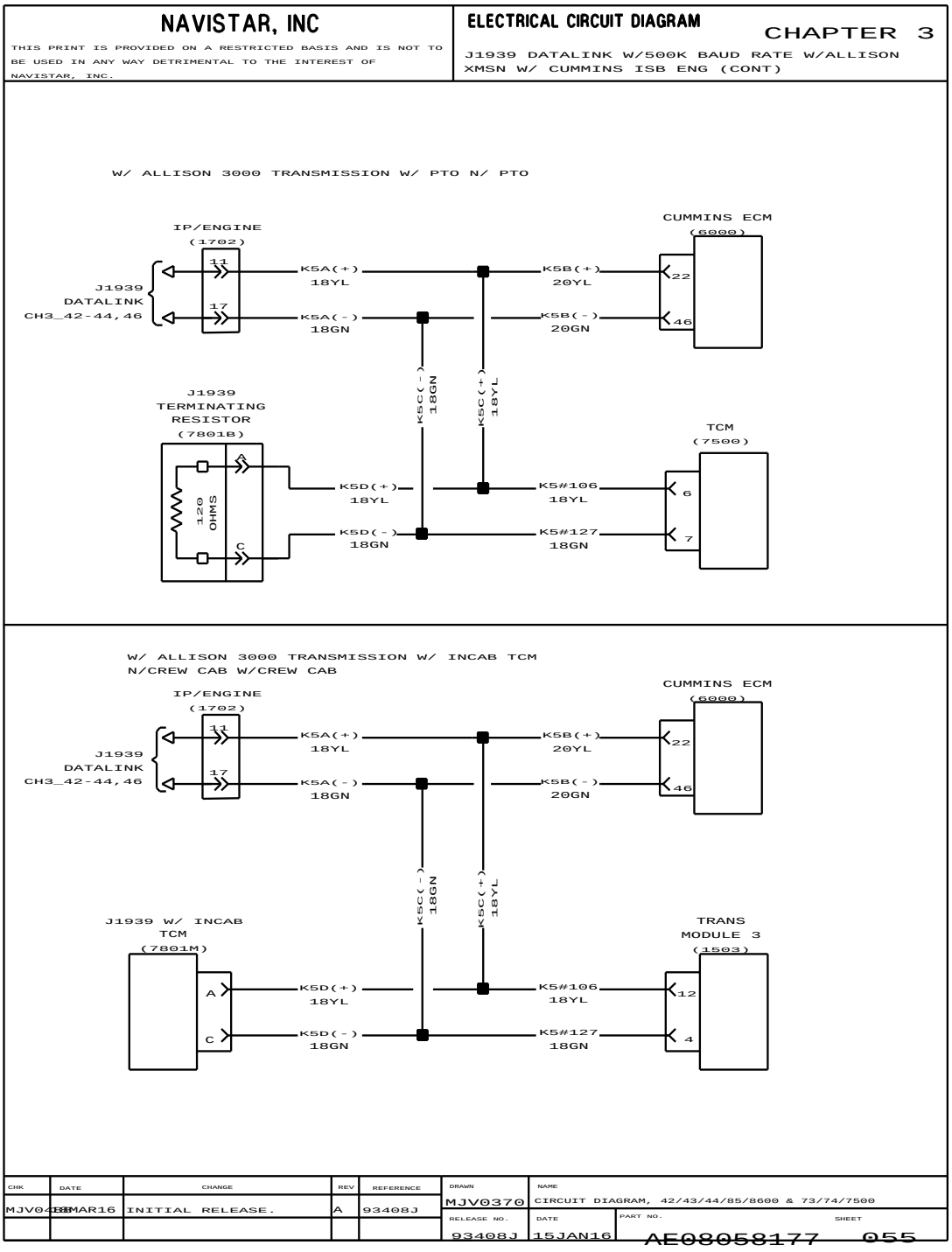

Figure 100 J1939 Data Link with 500K Baud Rate with Allison Transmission with Cummins ISB Engine (Cont.)

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3.89. J1939 250K / 500K EATON EPS WITH CUMMINS ISB ENGINE, P. 56

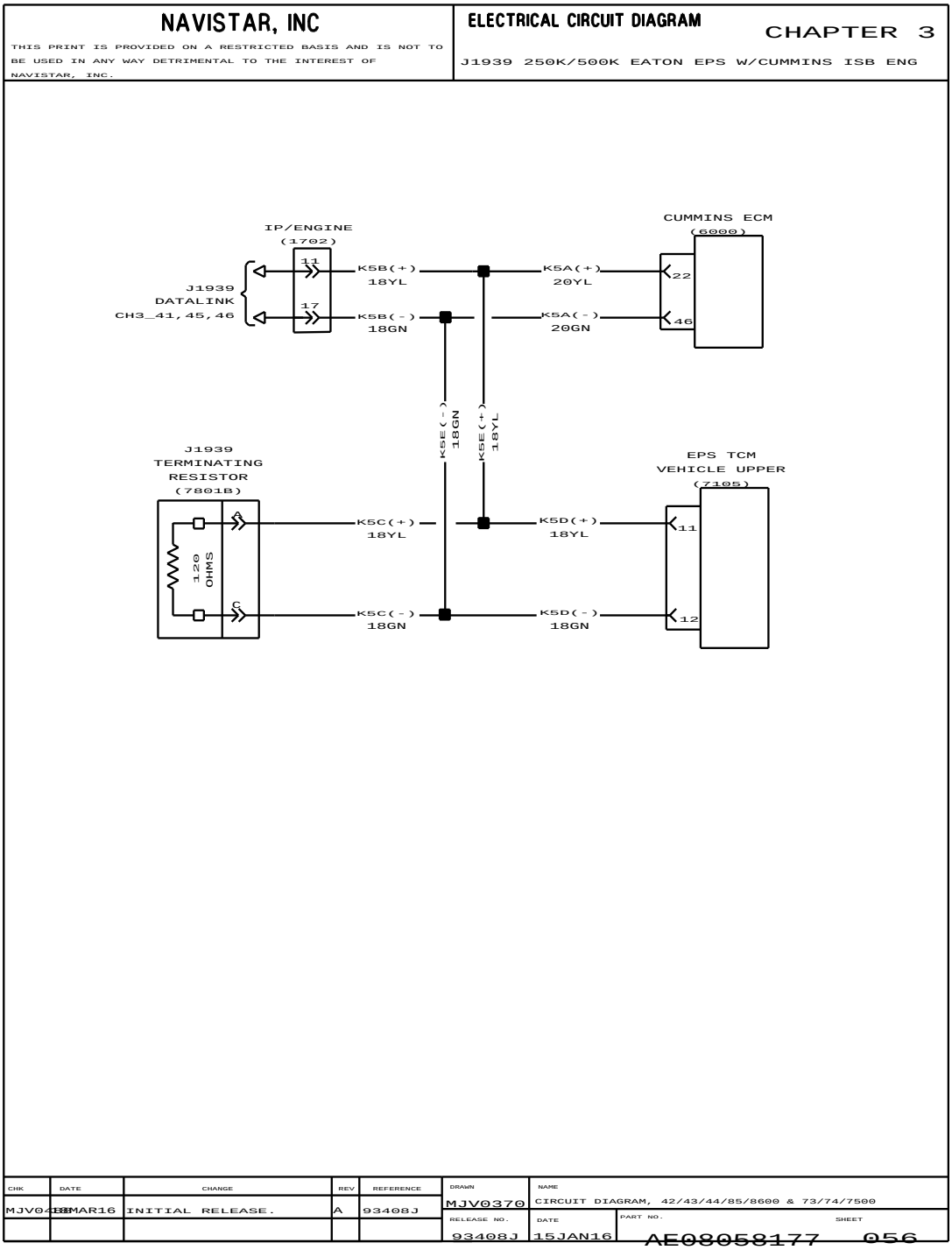

Figure 101 J1939 250K / 500K Eaton EPS with Cummins ISB Engine

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3.90. J1939 DATA LINK WITH TRANSTAR, P. 57

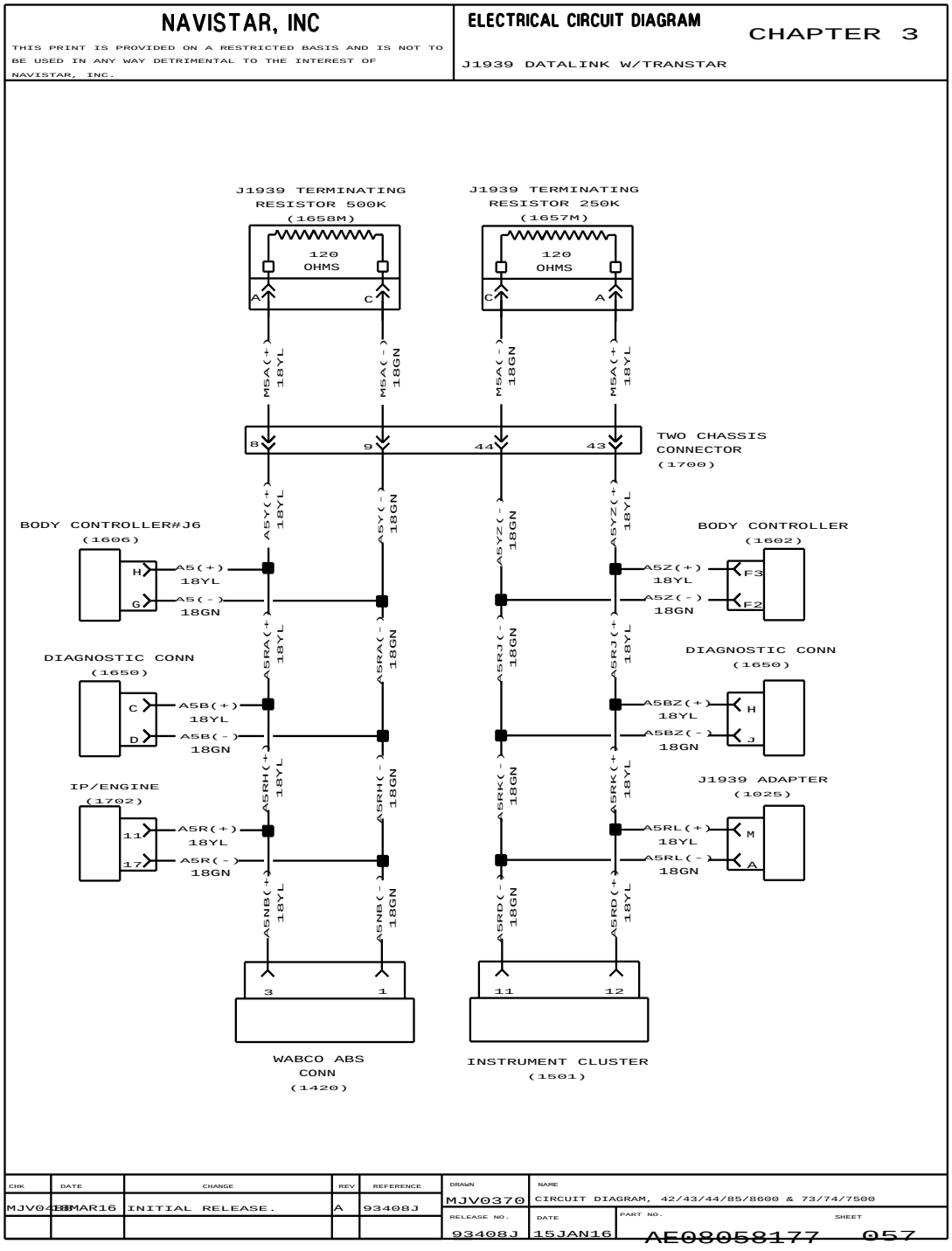

Figure 102 J1939 Data Link with TranStar

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CAB ACCESSORIES (CHAPTER 4)

4.1. CIGAR LIGHTER AND POWER FEED, P. 1

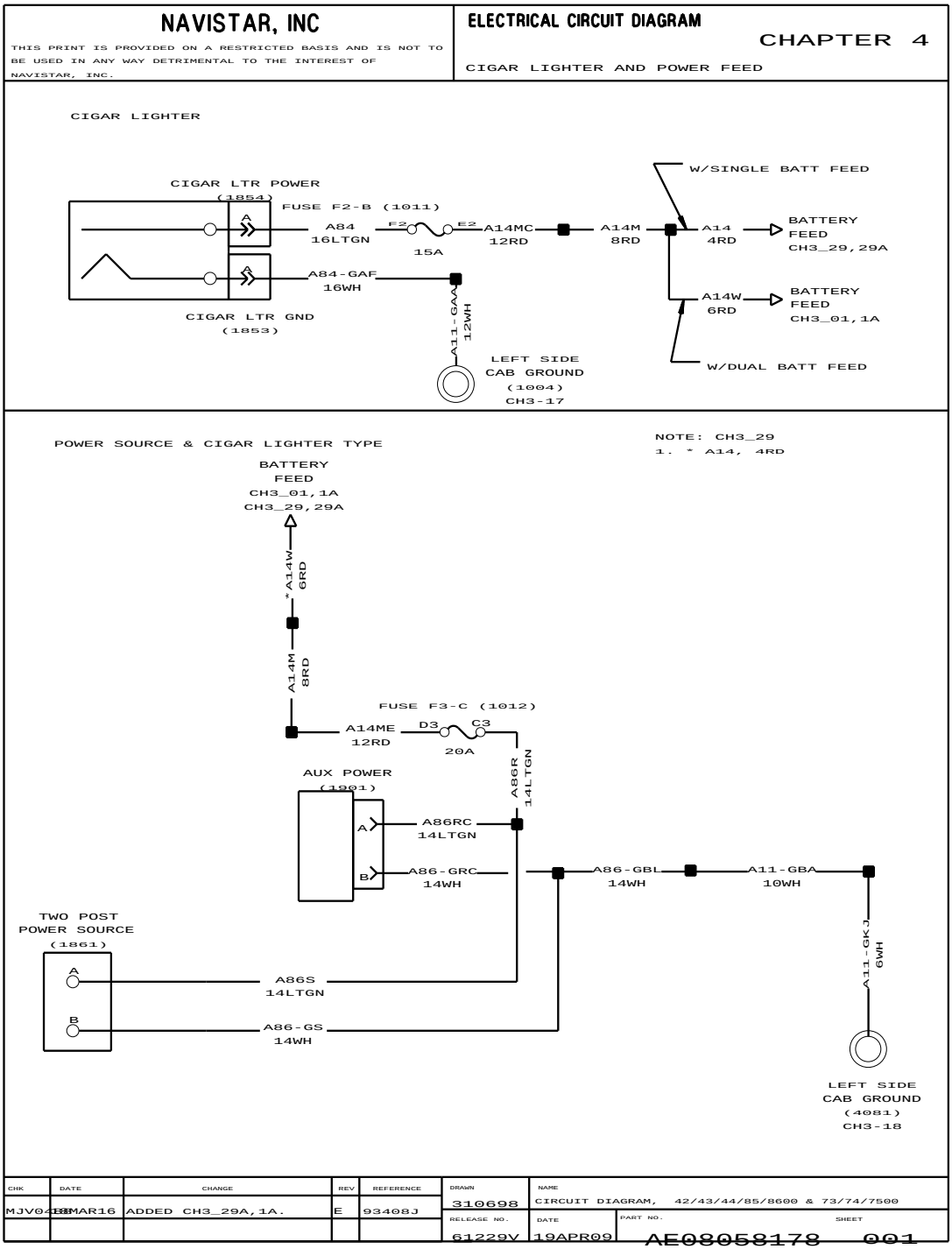

Figure 103 Cigar Lighter and Power Feed

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4.2. CIGAR LIGHTER AND POWER FEED (CONT.), P. 2

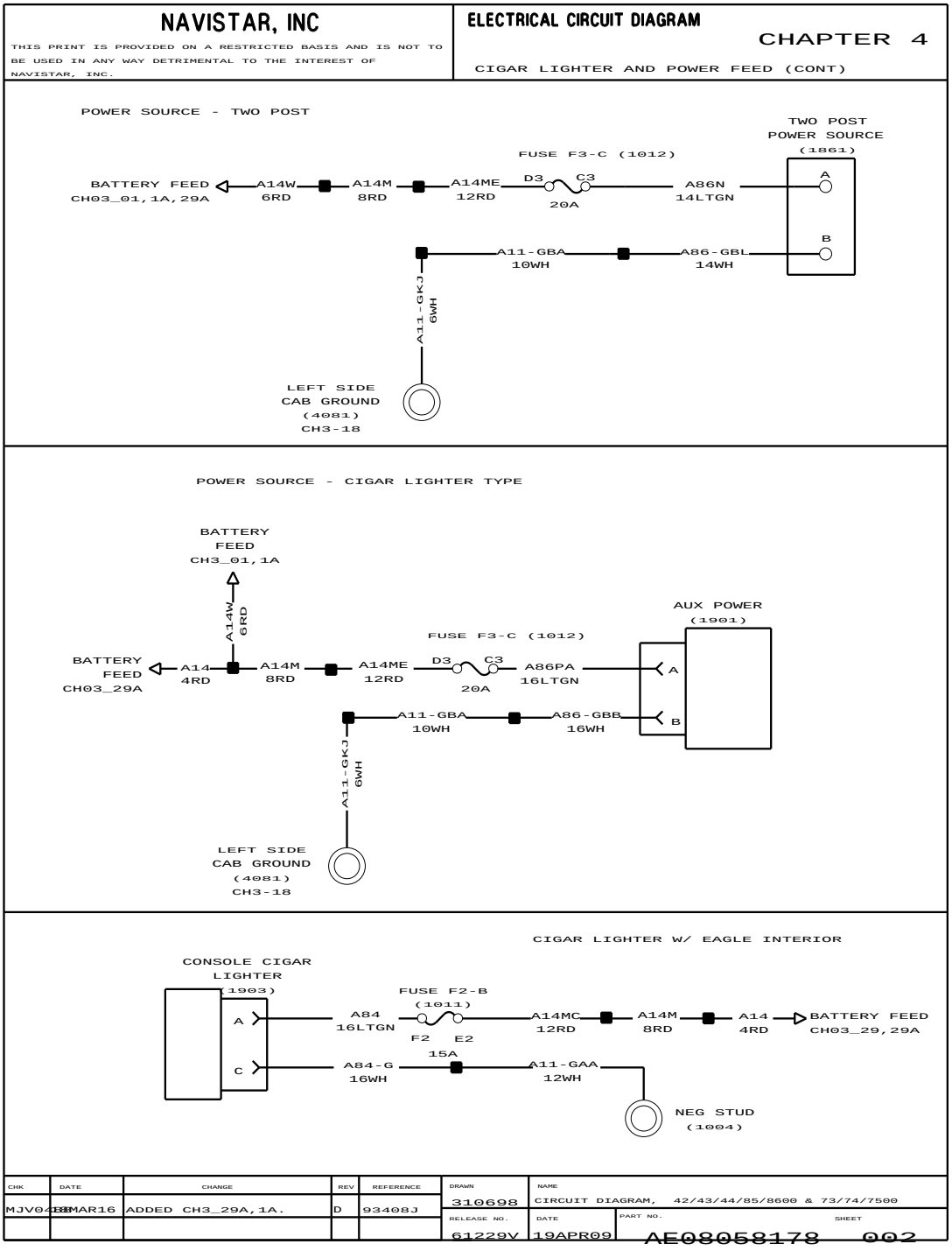

Figure 104 Cigar Lighter and Power Feed (Cont.)

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4.3. CB POWER RADIO, P. 3

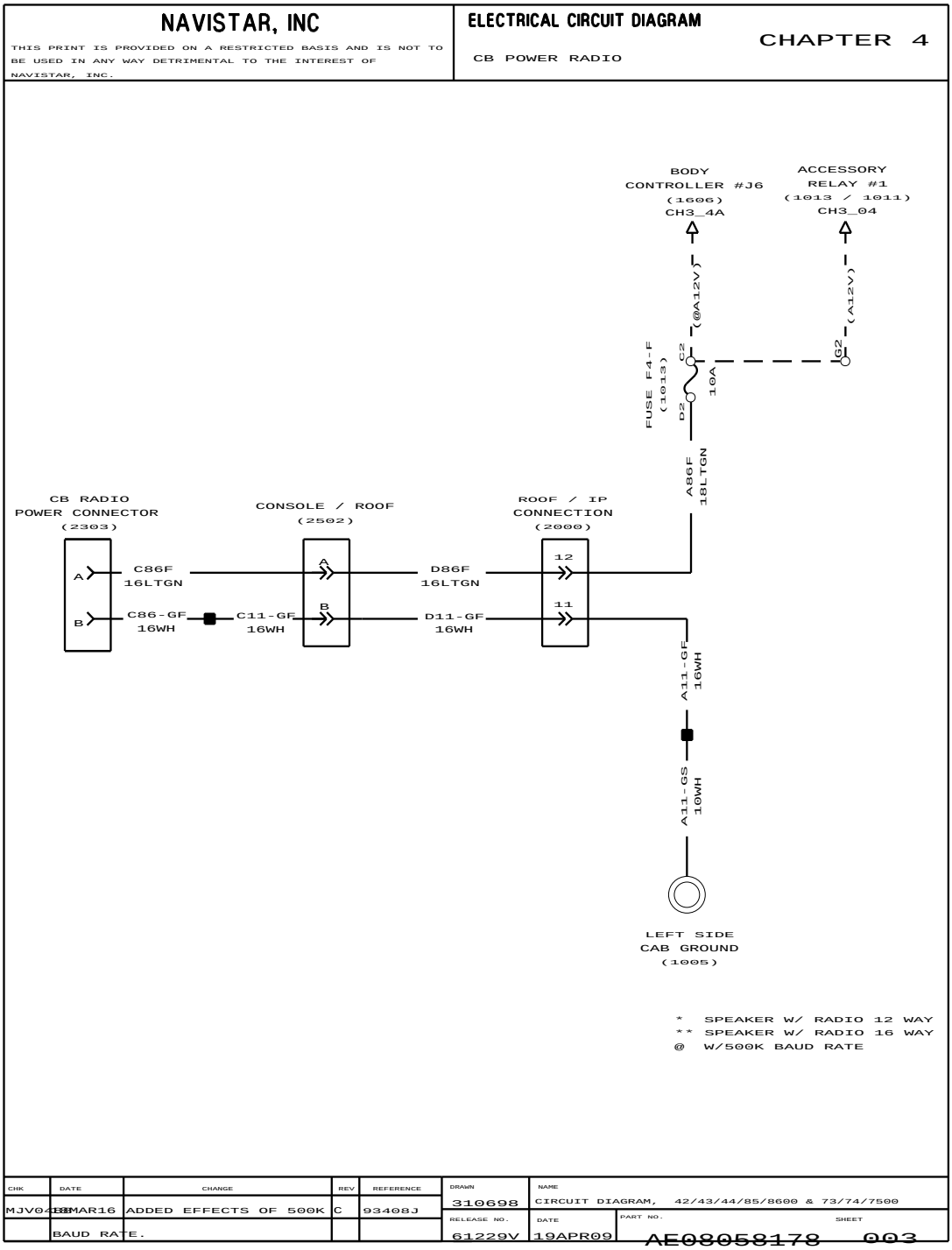

Figure 105 CB Power Radio

https://truckmanualshub.com/

4.4. COMPASS DISPLAY, P. 4

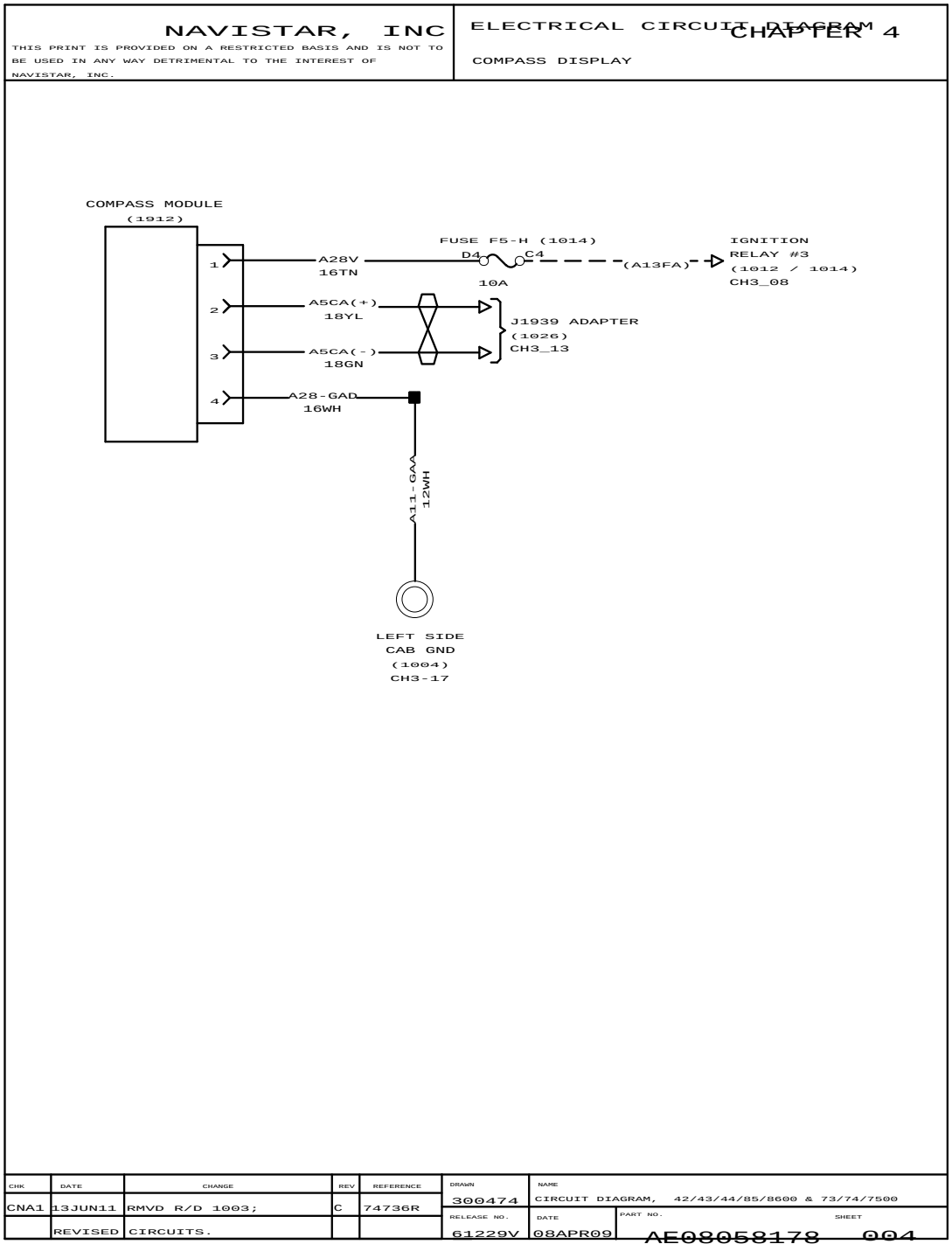

Figure 106 Compass Display

https://truckmanualshub.com/

4.5. FRONT DOOR WINDOWS AND LOCKS (POWER), P. 5

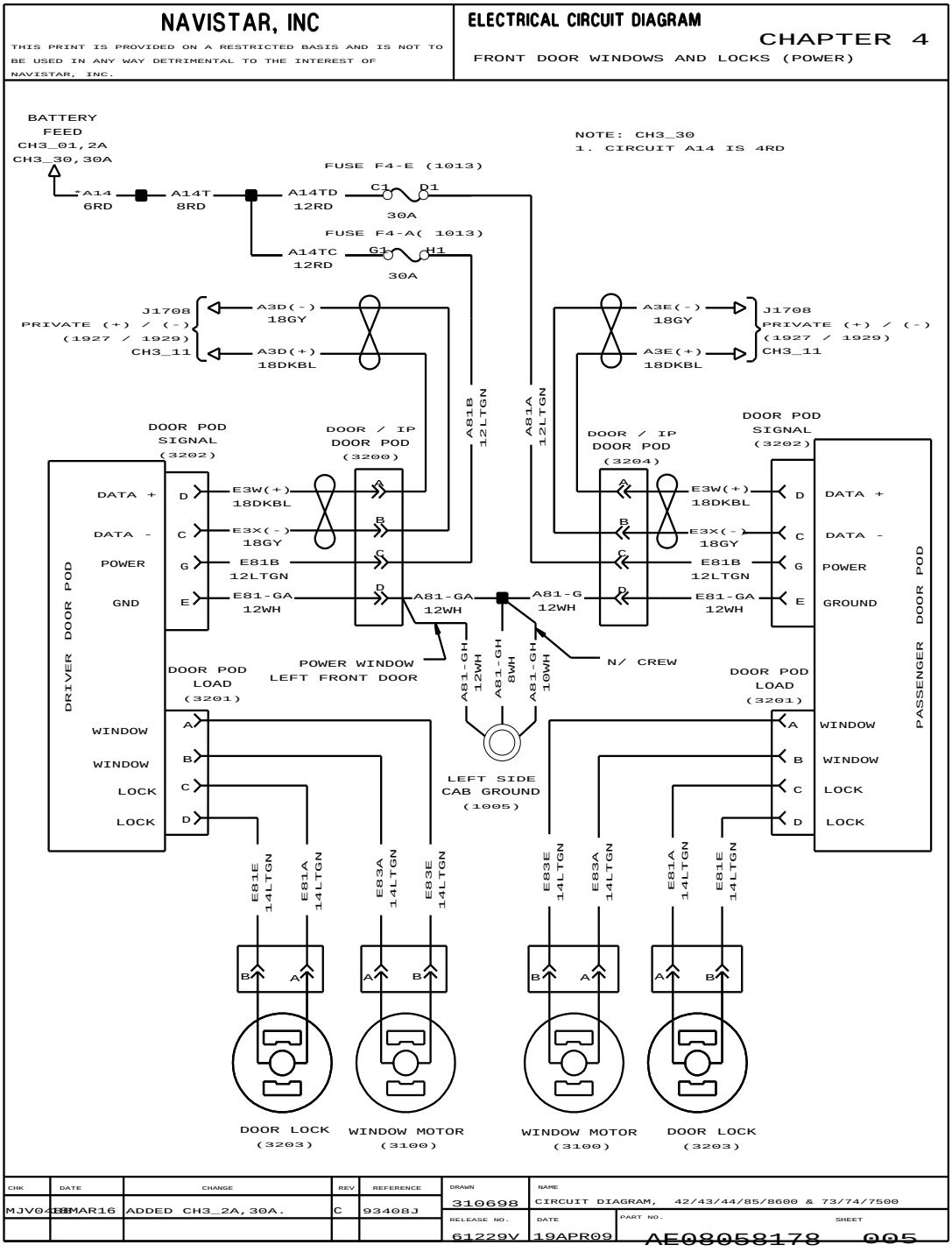

Figure 107 Front Door Windows and Locks (Power)

https://truckmanualshub.com/

4.6. FRONT DOOR WINDOWS AND LOCKS (POWER) FOR CREW, P. 6

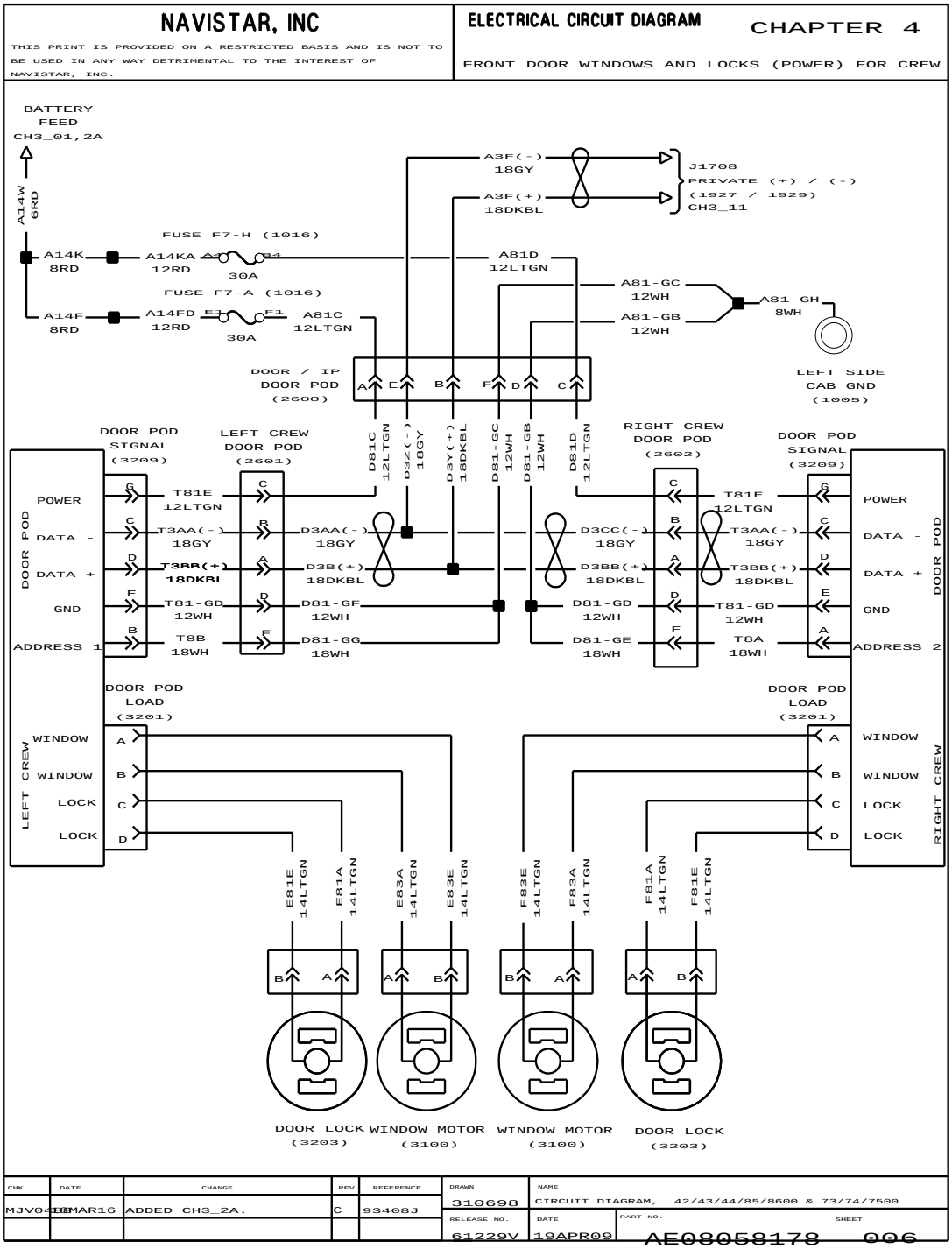

Figure 108 Front Door Windows and Locks (Power) for Crew

https://truckmanualshub.com/

4.7. HORN, ELECTRIC AND AIR, P. 7

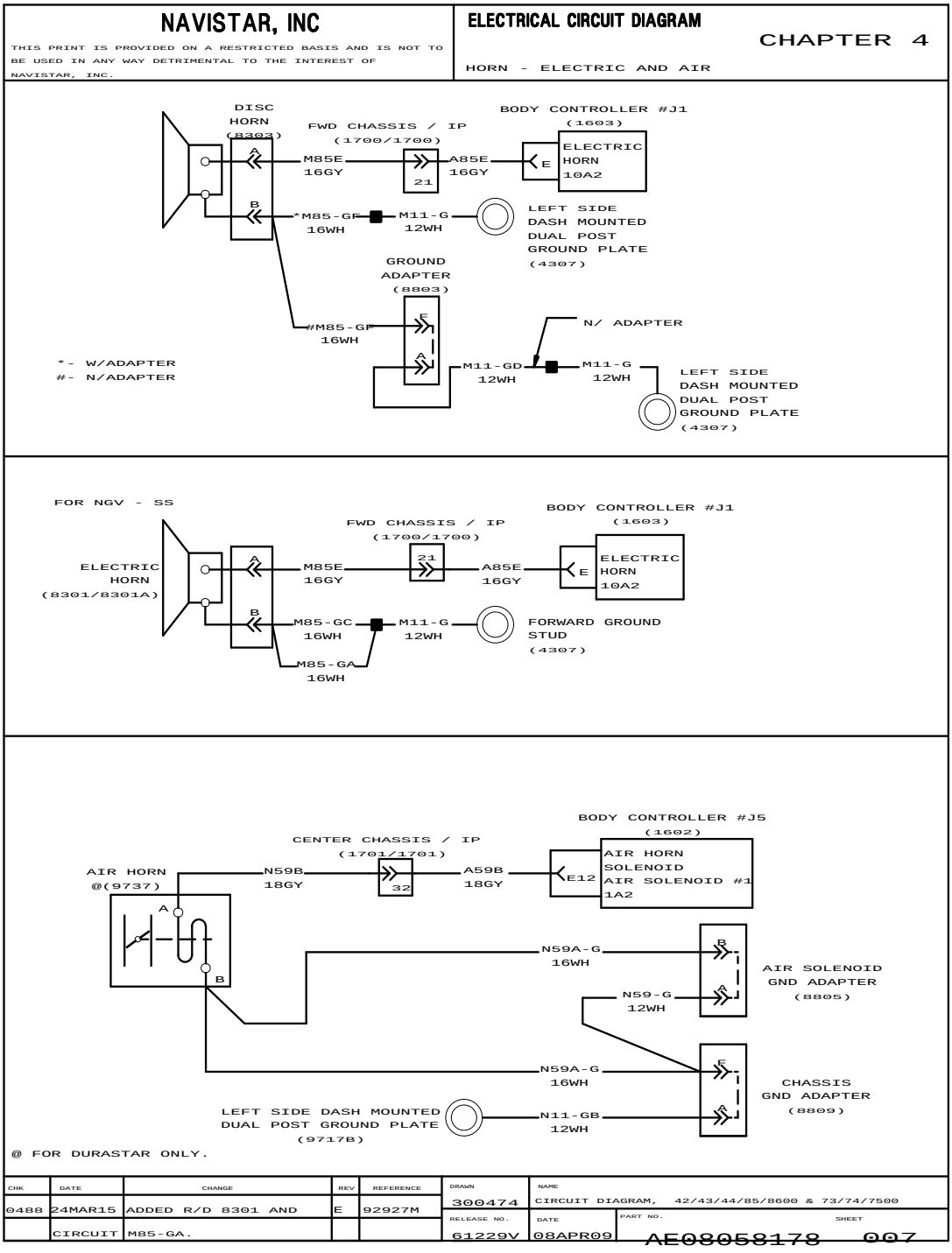

Figure 109 Horn, Electric and Air

https://truckmanualshub.com/

4.8. HORN, ELECTRIC AND AIR (CONT.), P. 8

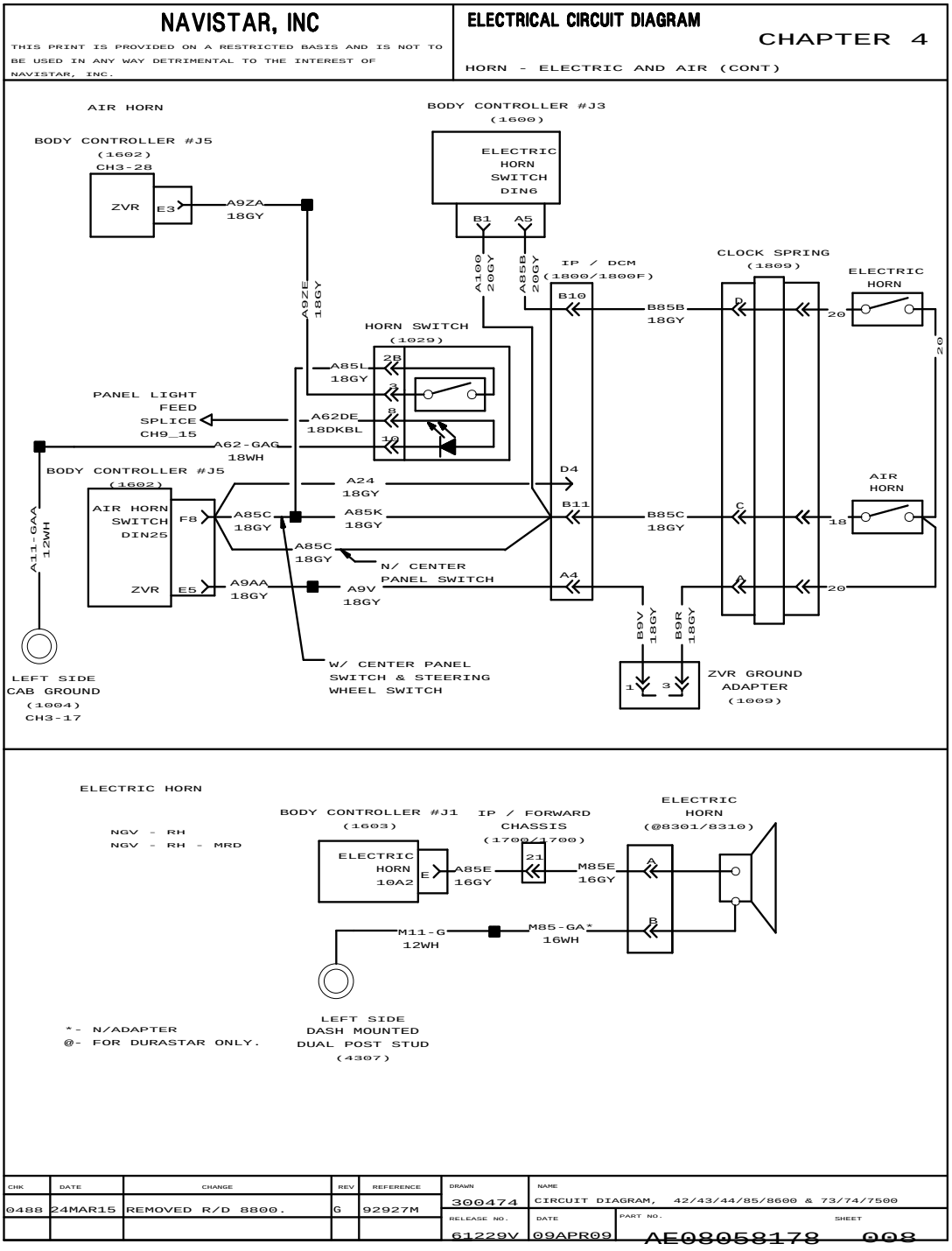

Figure 110 Horn, Electric and Air (Cont.)

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4.9. MIRRORS (HEATED, LIGHTED AND POWER), P. 9

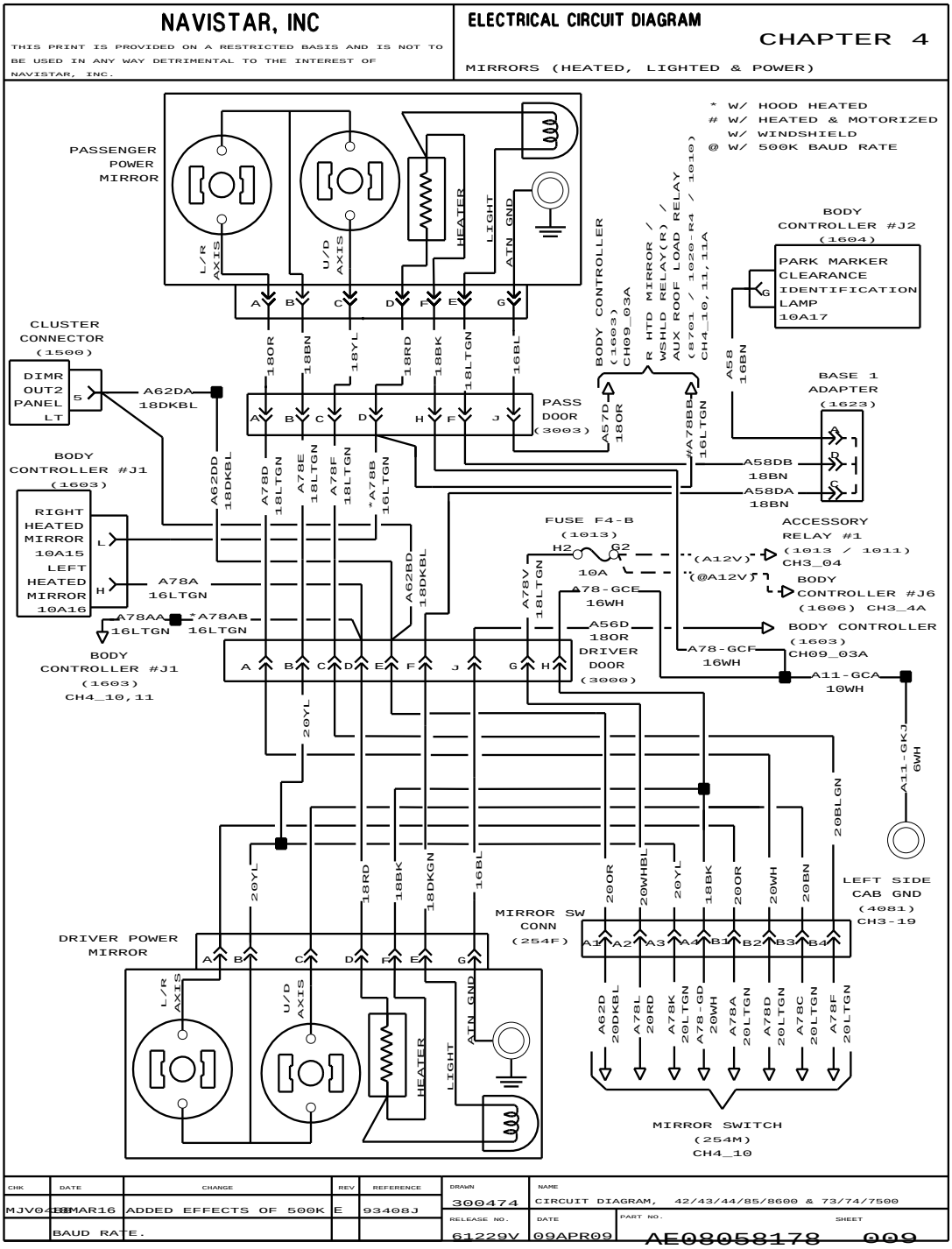

Figure 111 Mirrors (Heated, Lighted and Power)

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4.10. MIRRORS (HEATED, LIGHTED AND POWER) (CONT.), P. 10

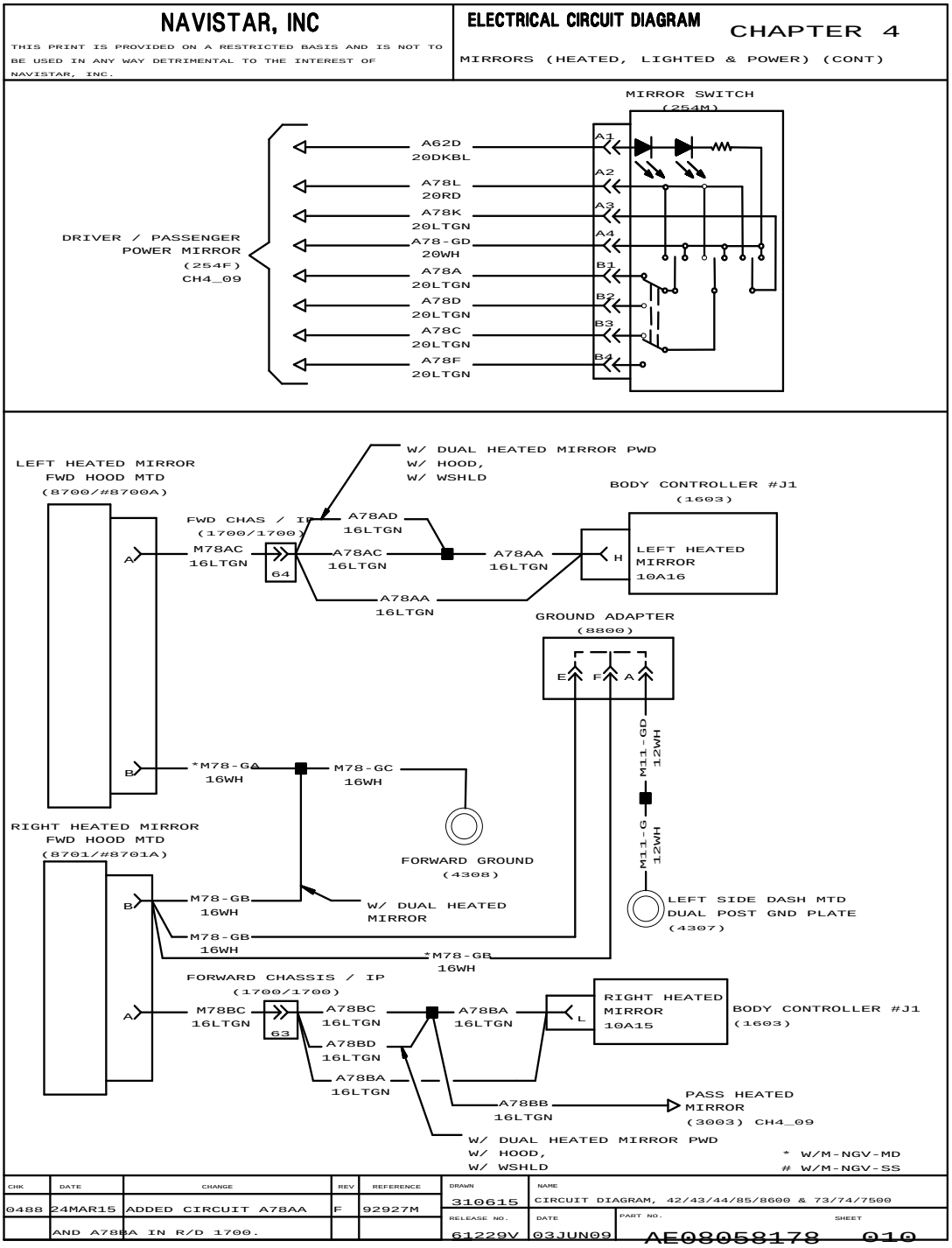

Figure 112 Mirrors (Heated, Lighted and Power) (Cont.)

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4.11. MIRRORS (HEATED, LIGHTED AND POWER) (CONT.), P. 10A

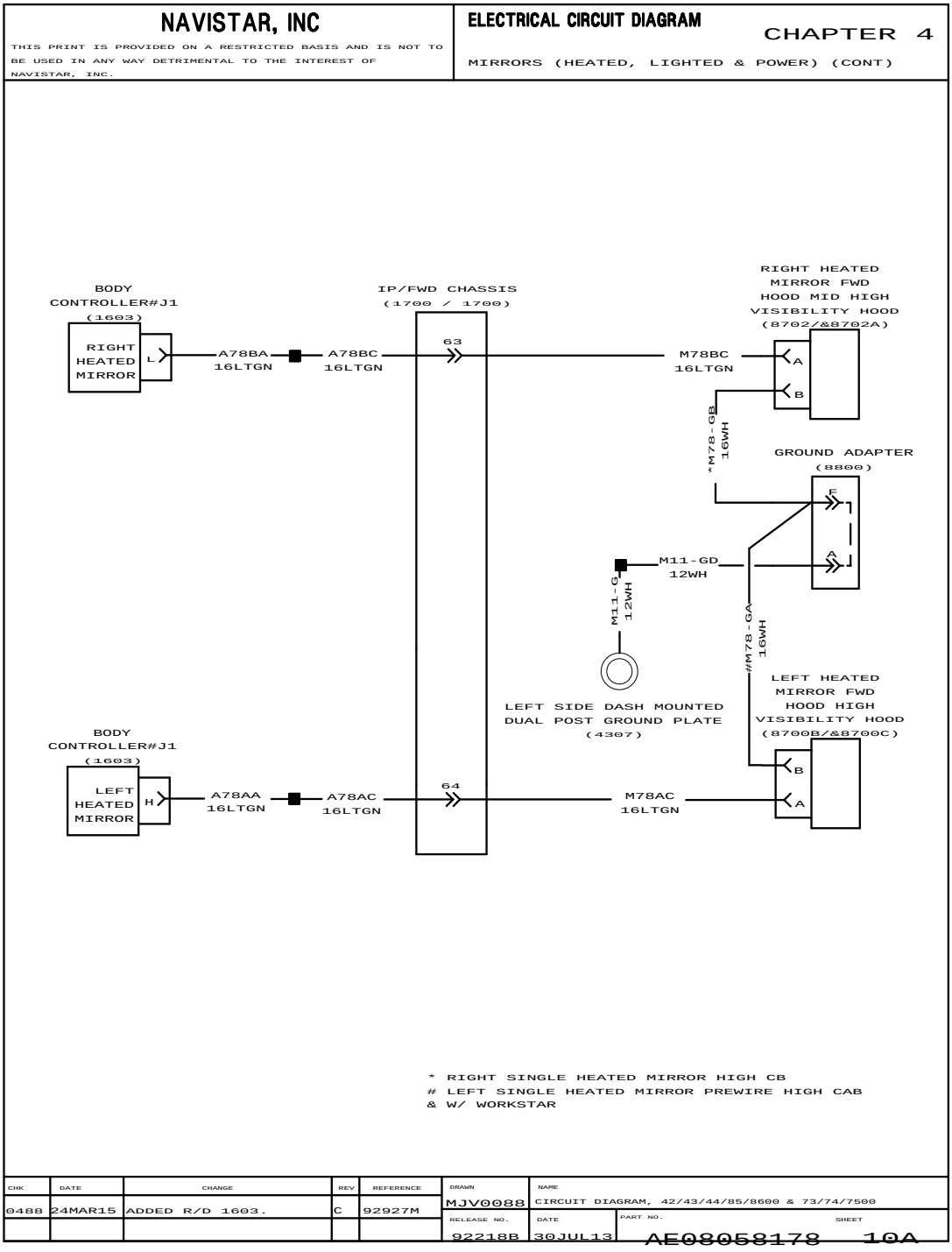

Figure 113 Mirrors (Heated, Lighted and Power) (Cont.)

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4.12. MIRRORS (HEATED, LIGHTED AND POWER) (CONT.), P. 11

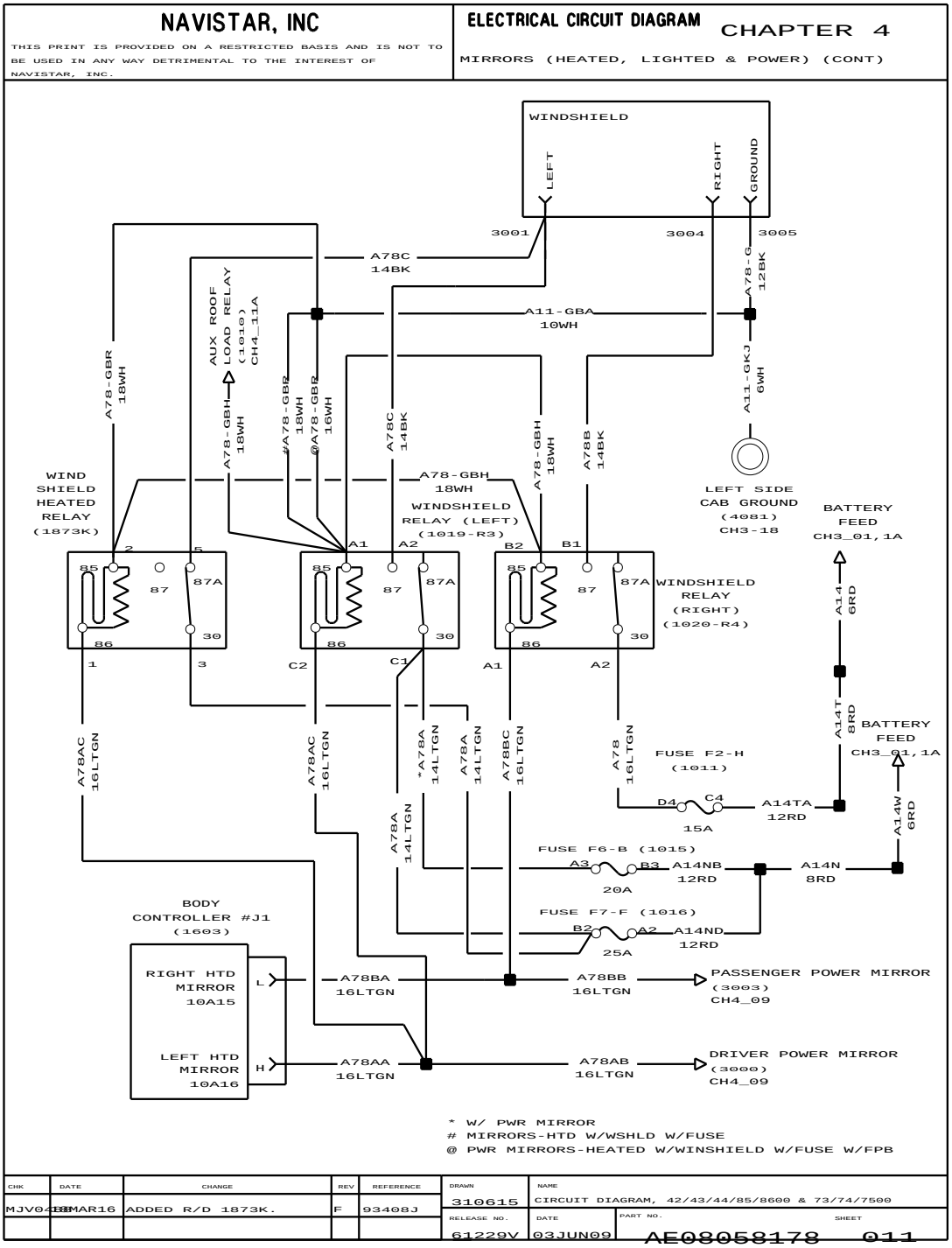

Figure 114 Mirrors (Heated, Lighted and Power) (Cont.)

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4.13. POWER MIRRORS – HEATED AND MOTORIZED WITH WINDSHIELD WITH FPB, P. 11A

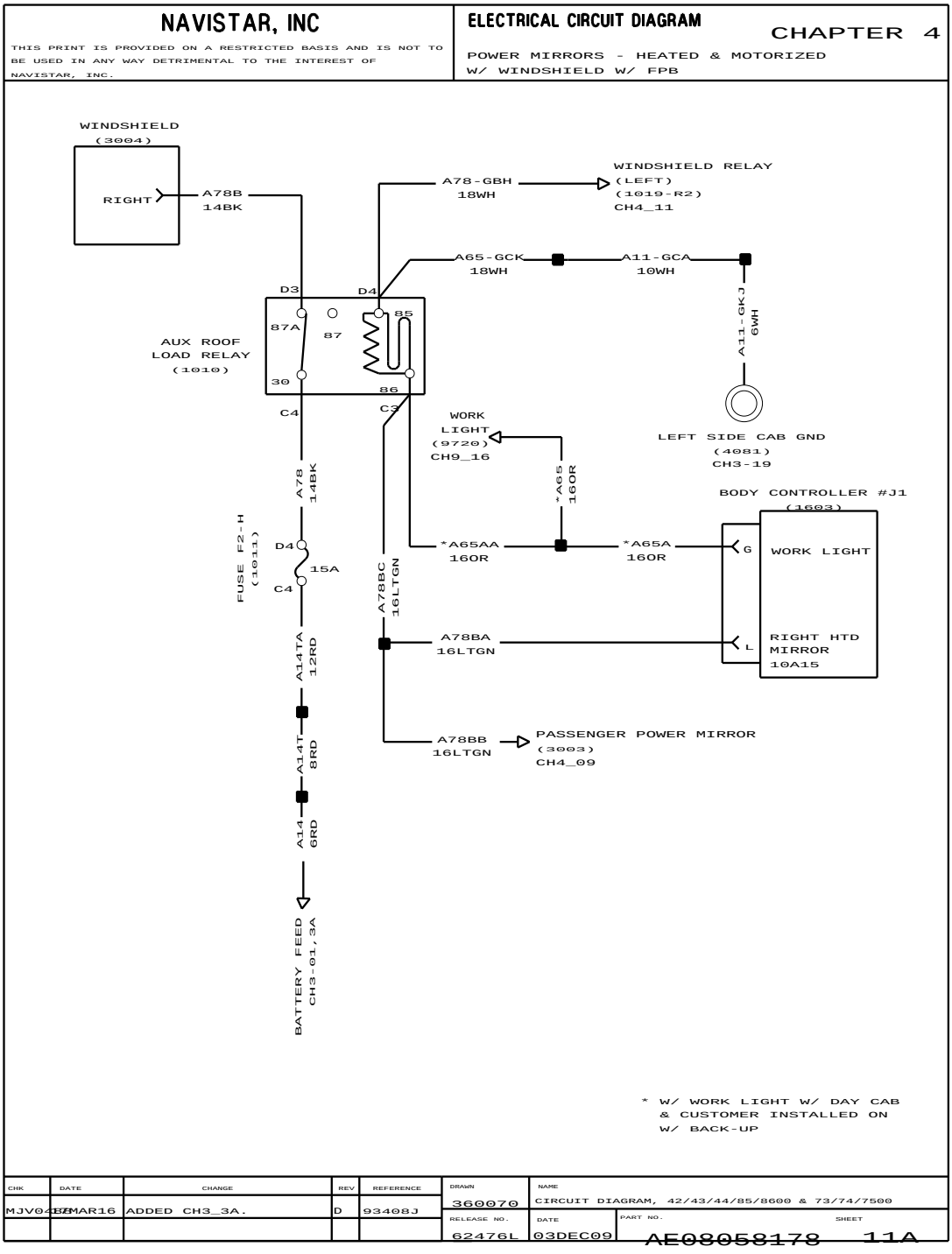

Figure 115 Power Mirrors – Heated and Motorized with Windshield with FPB

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4.14. 2-WAY RADIO, P. 12

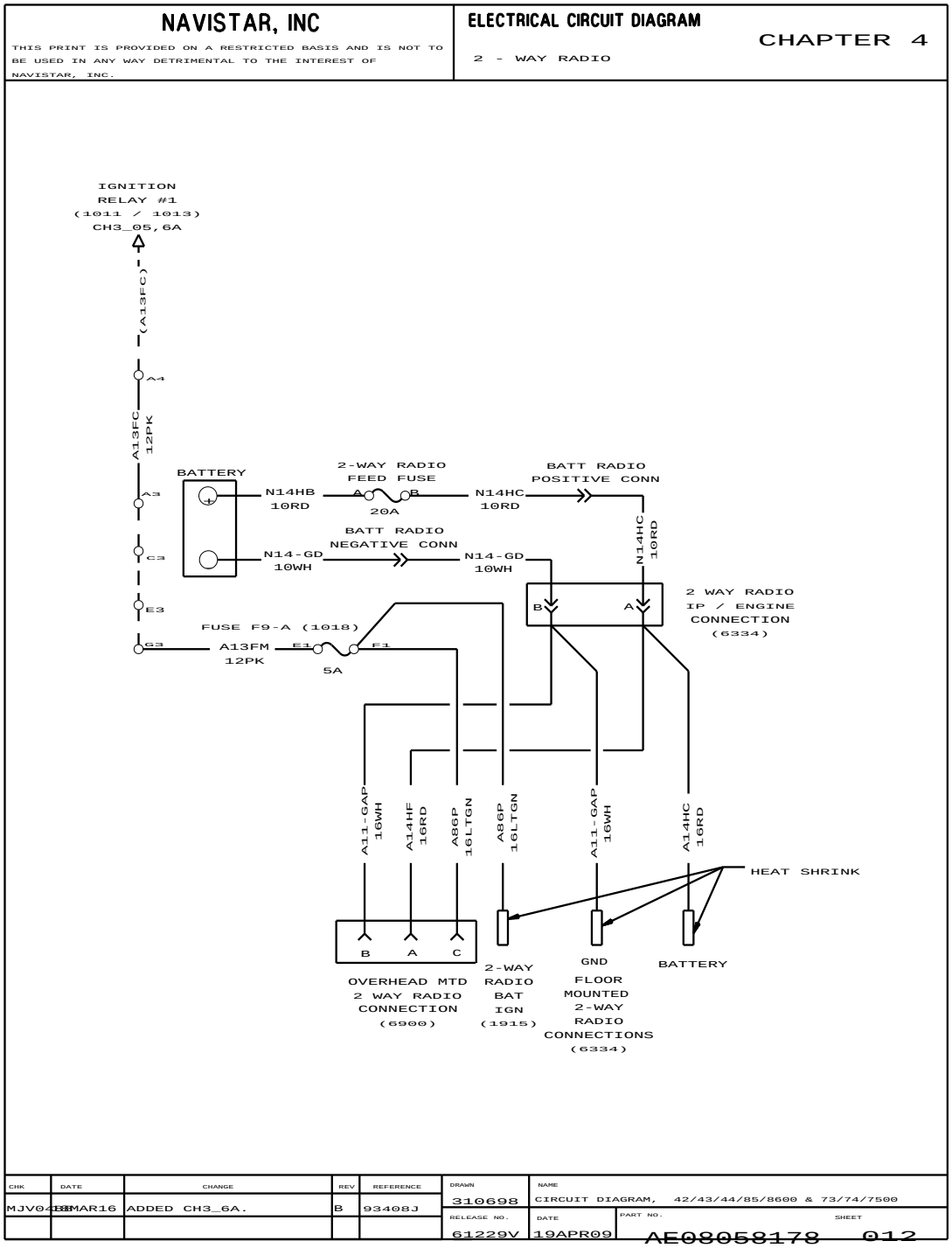

Figure 116 2-Way Radio

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4.15. 2-WAY RADIO (CONT.), P. 12A

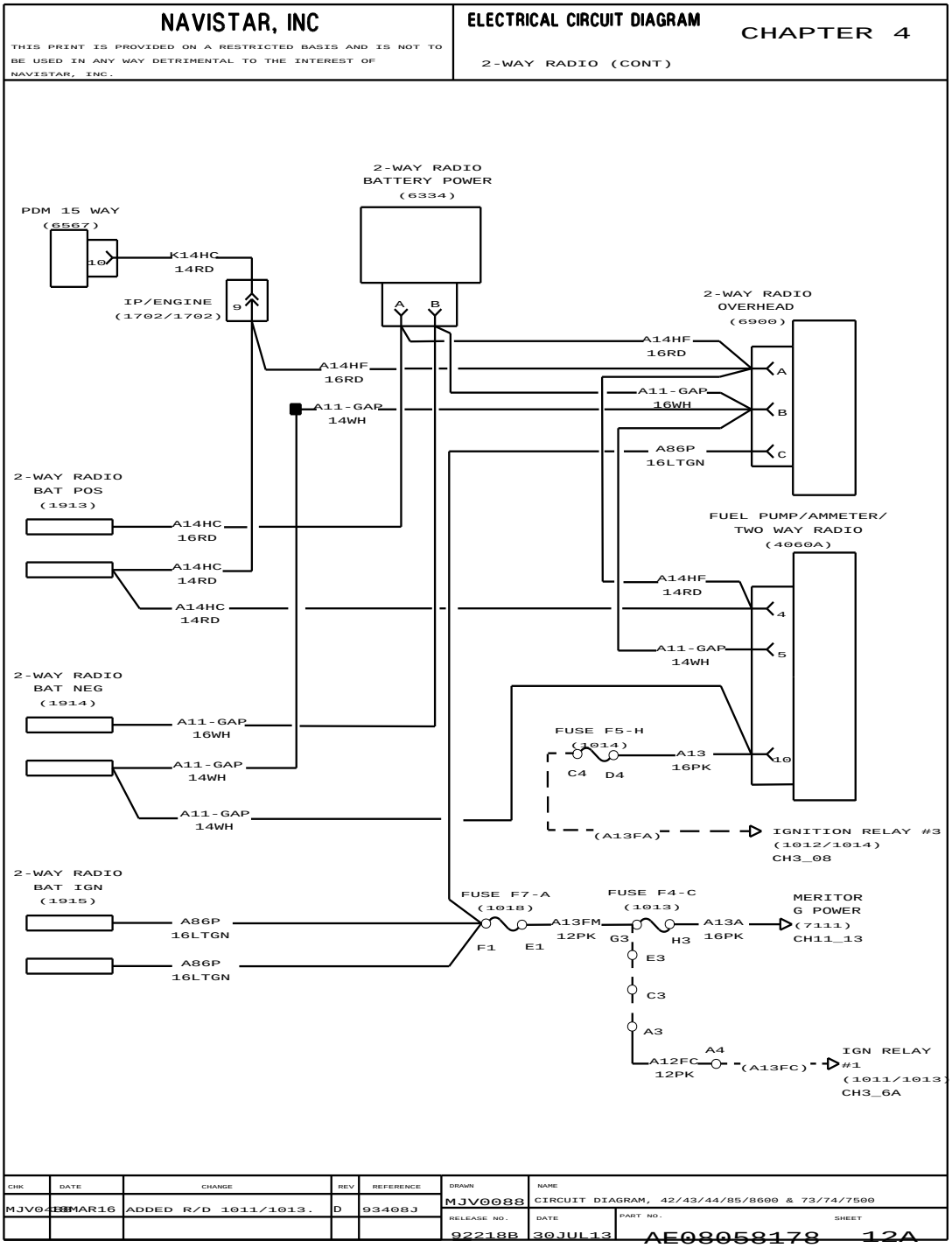

Figure 117 2-Way Radio (Cont.)

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4.16. WINDSHIELD WIPER, P. 13

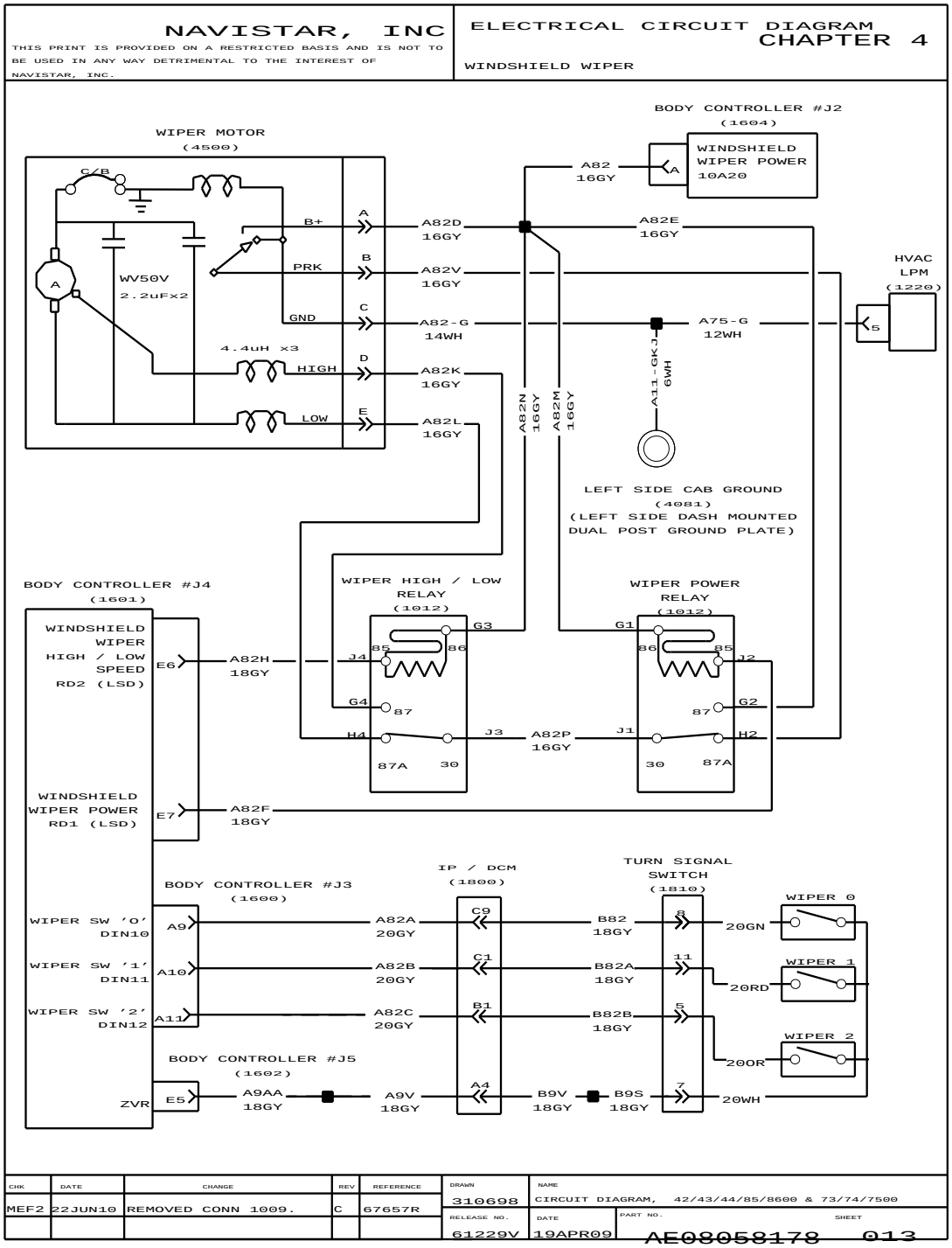

Figure 118 Windshield Wiper

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4.17. WASHER PUMP, P. 14

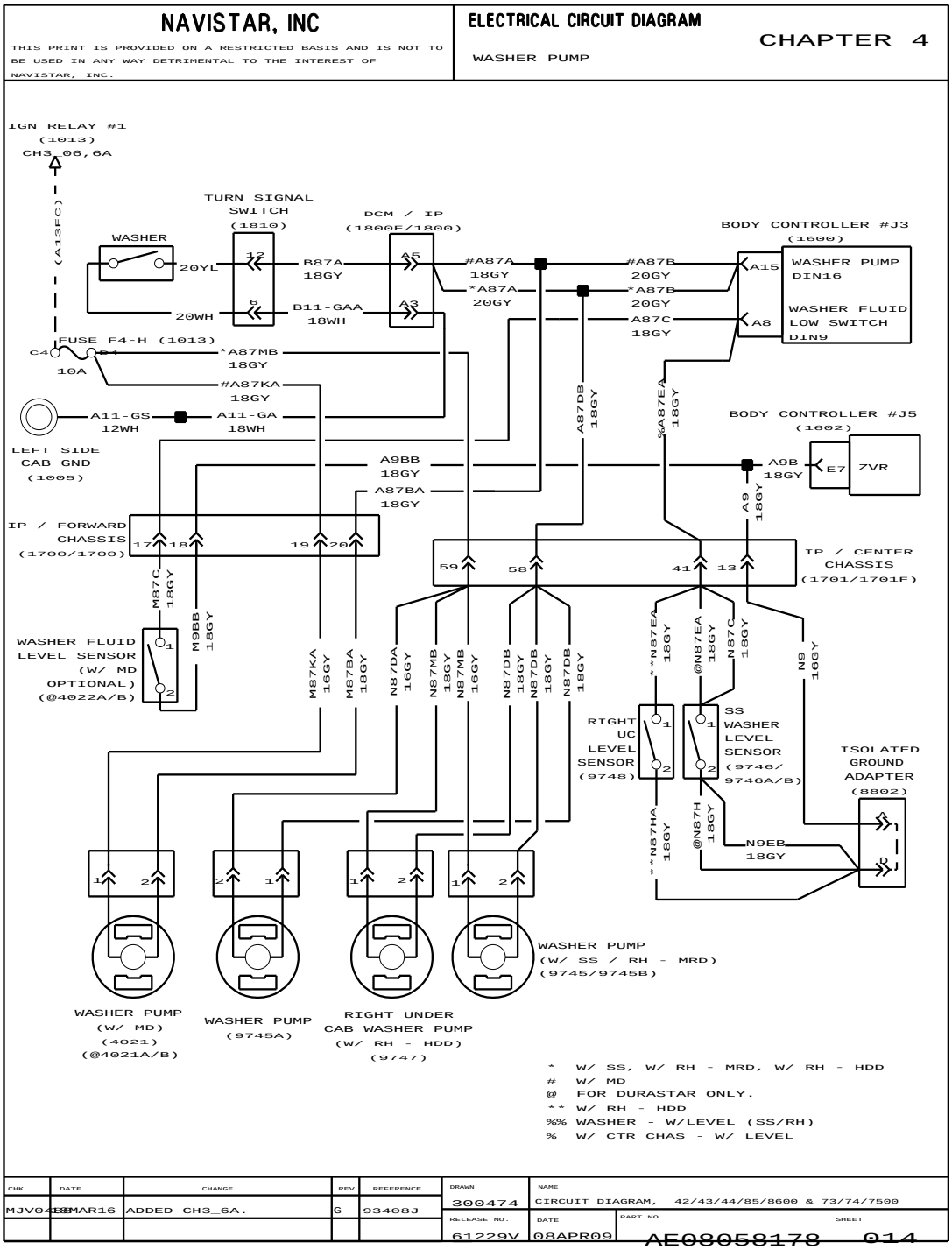

Figure 119 Washer Pump

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4.18. SWITCH PACK WITH OPTIONAL GAUGE PACK, P. 15

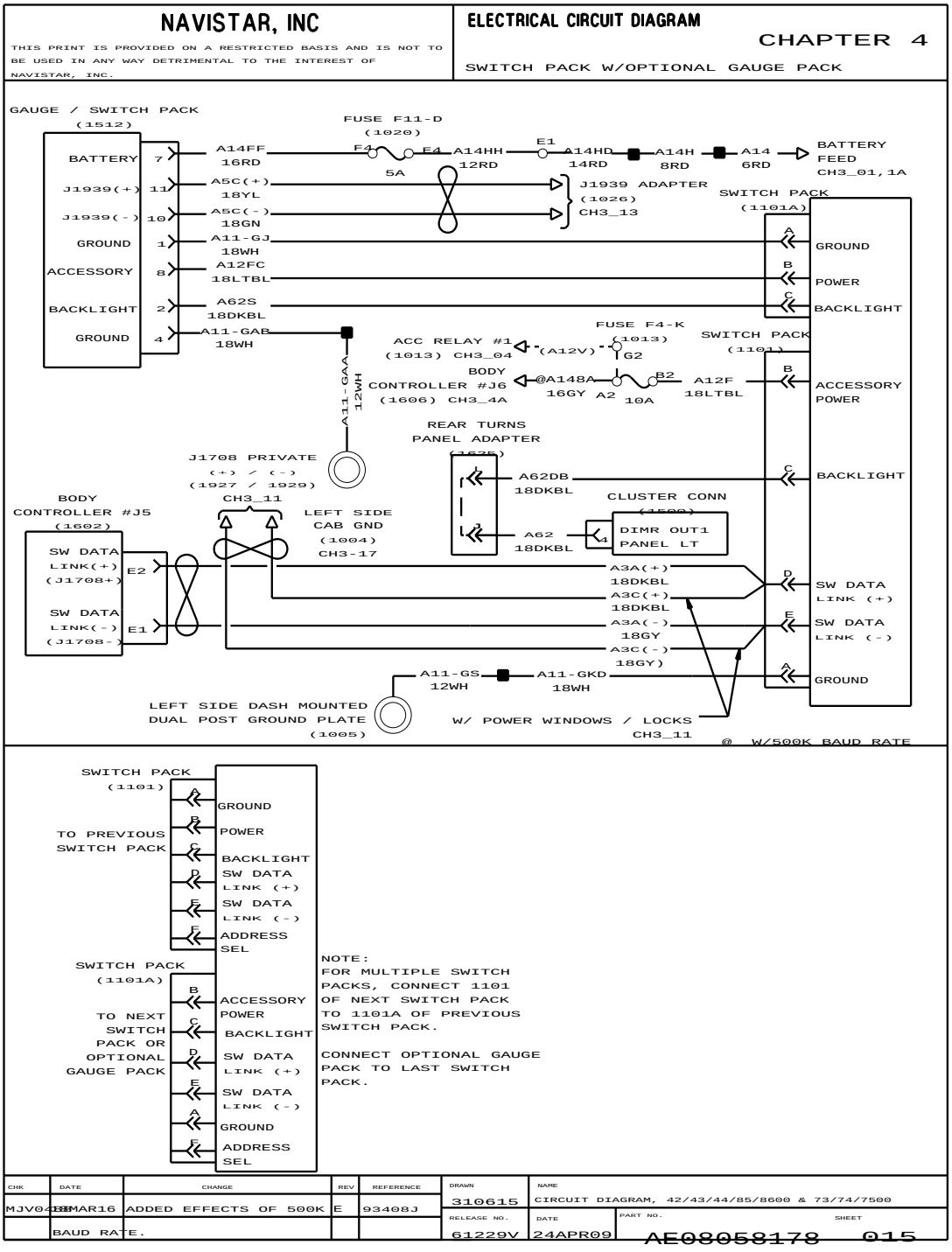

Figure 120 Switch Pack with Optional Gauge Pack

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4.19. ROOF AUXILIARY LOAD, P. 16

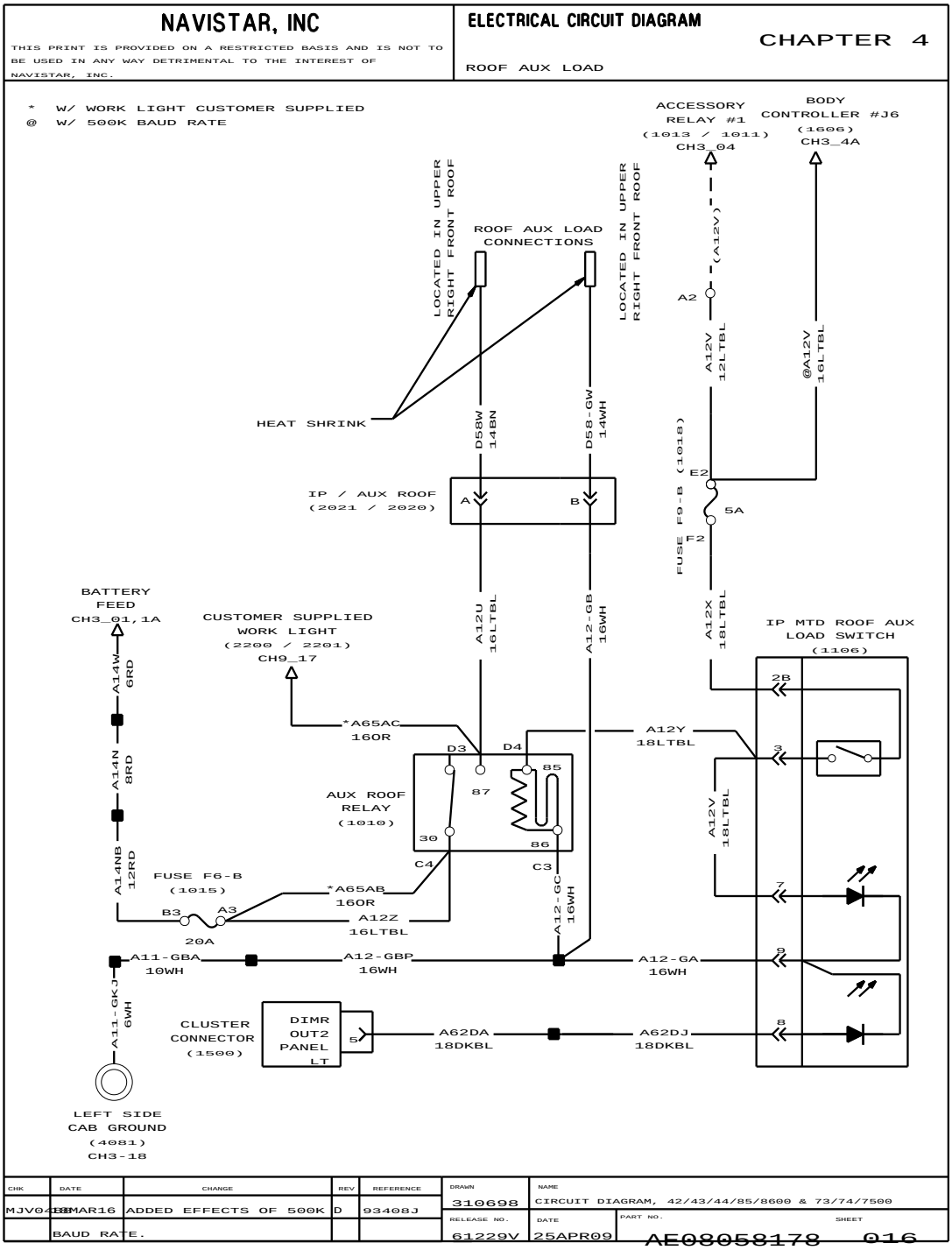

Figure 121 Roof Auxiliary Load

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4.20. SATELLITE COMMUNICATION – QUALCOMM IMCT, P. 17

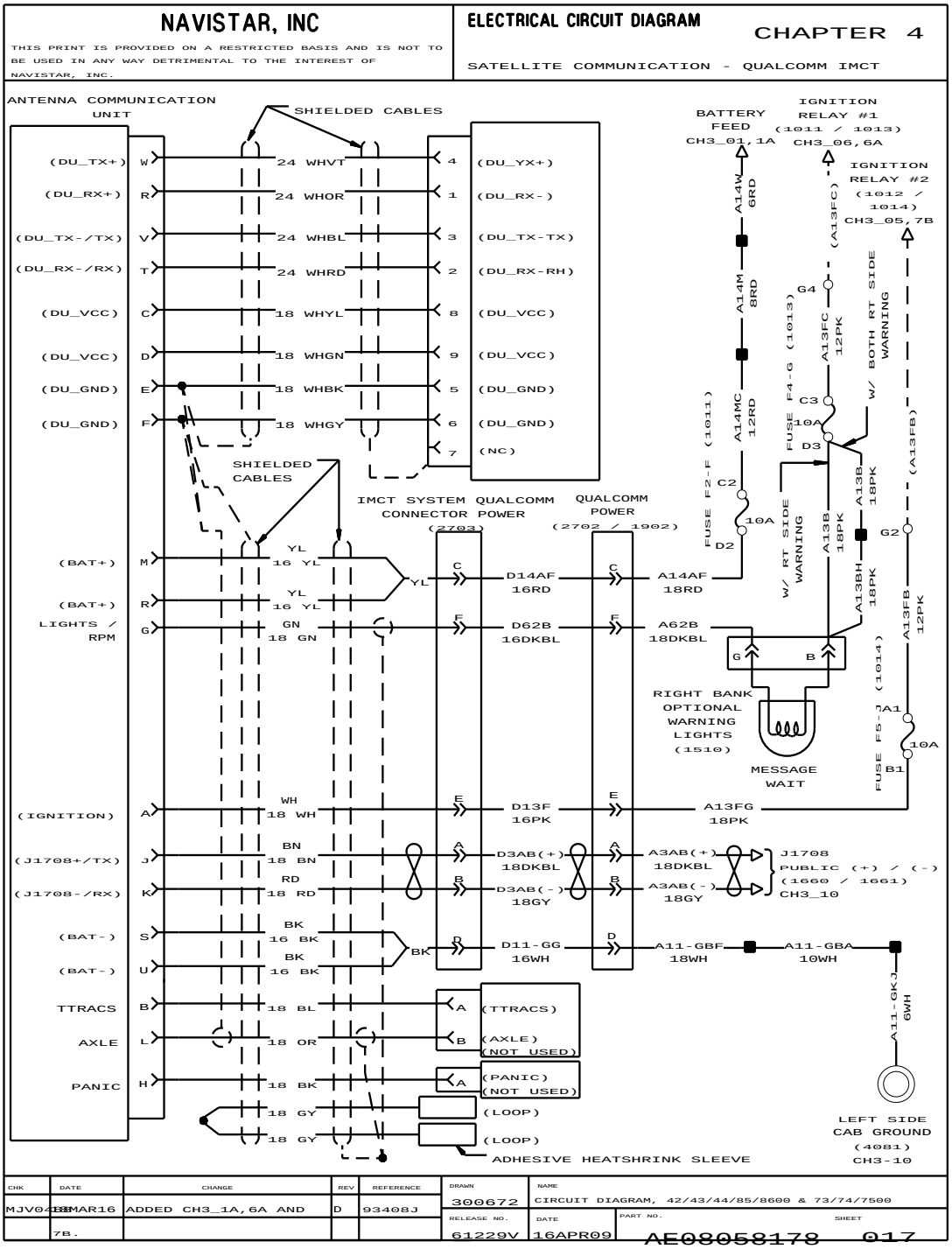

Figure 122 Satellite Communication – QualComm IMCT

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4.21. SATELLITE COMMUNICATION – TRIPMASTER, P. 18

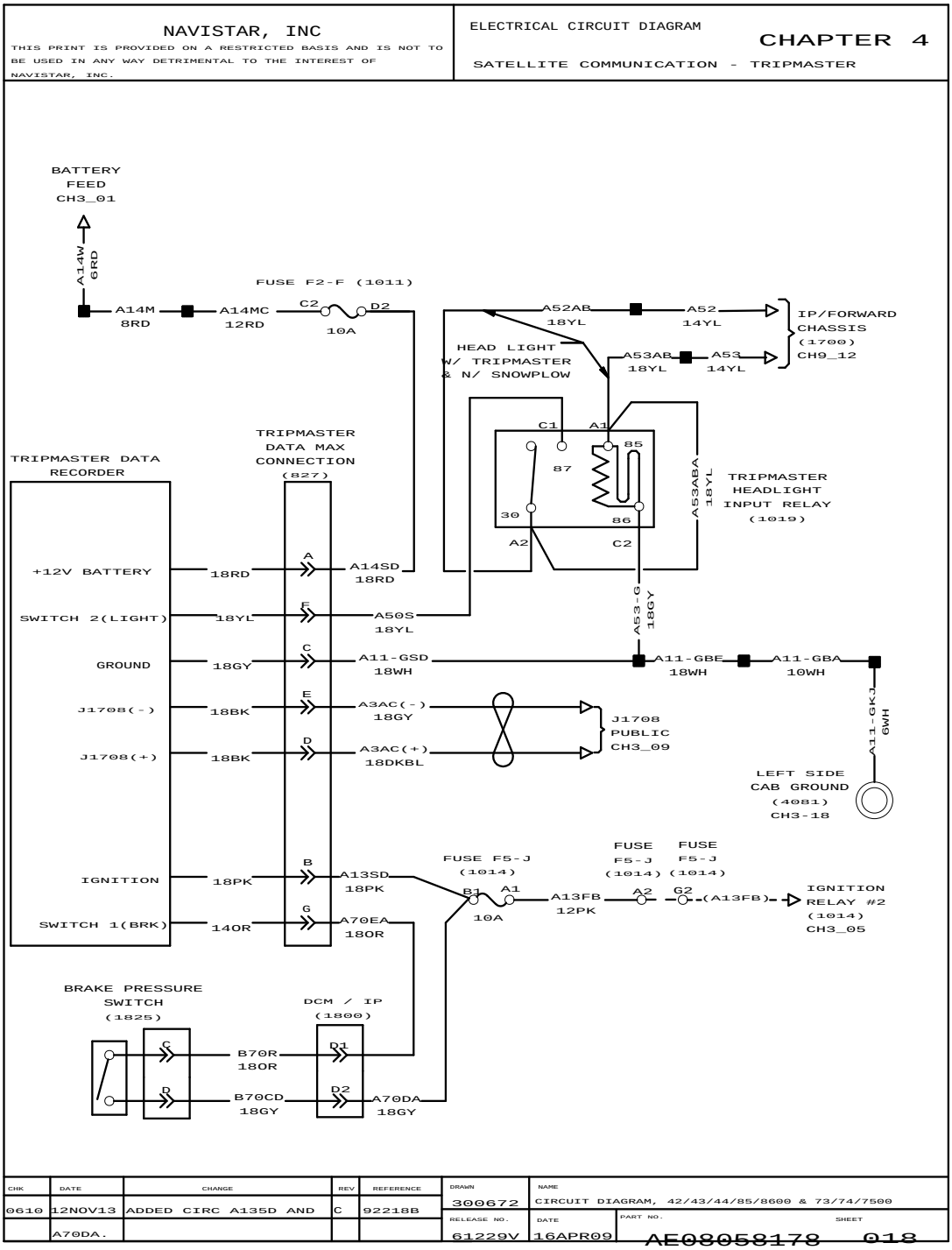

Figure 123 Satellite Communication – Tripmaster

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4.22. COMPUTER PREWIRED – XATA SYSTEM, P. 19

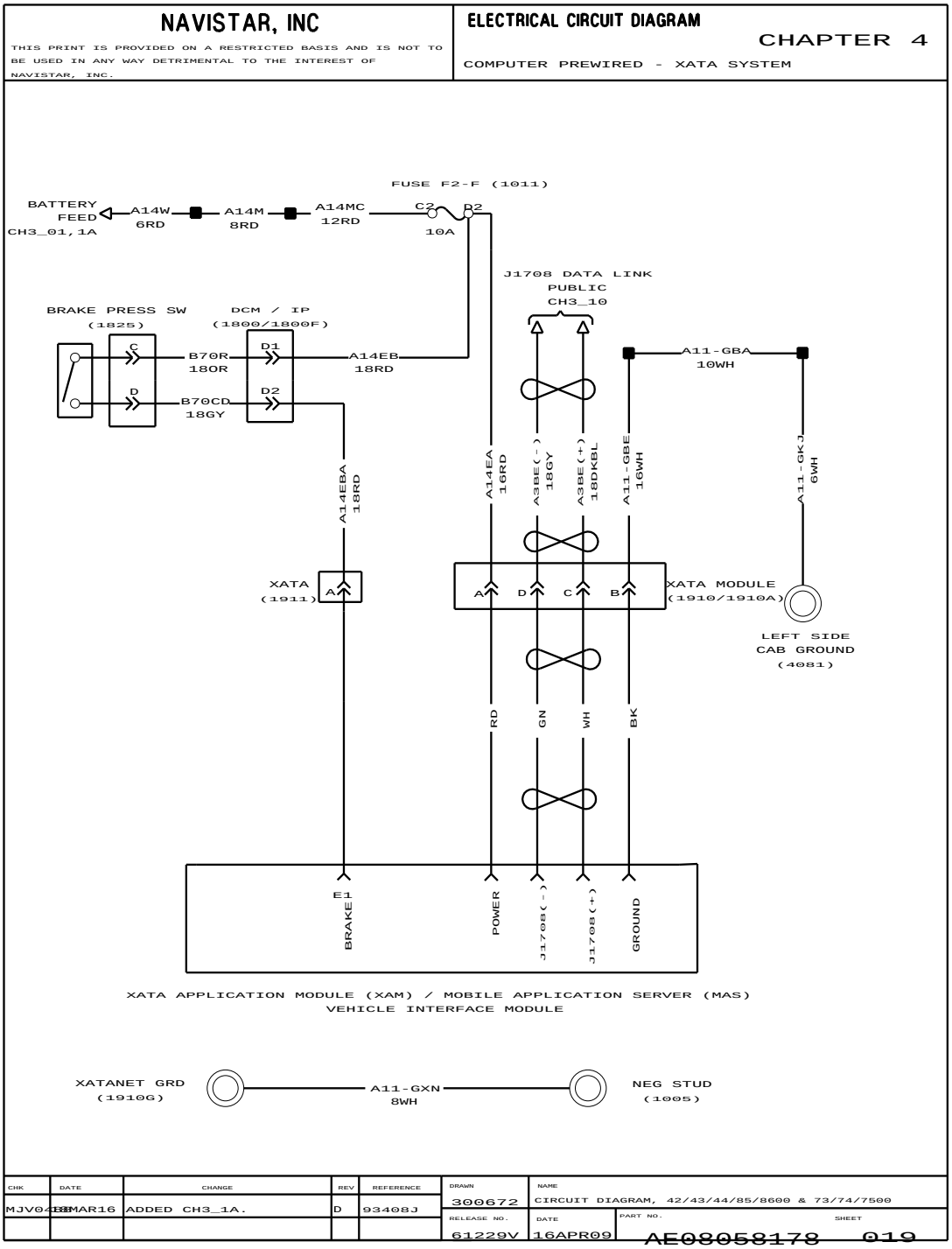

Figure 124 Computer Prewired – XATA System

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4.23. CADEC GPS SYSTEM, P. 20

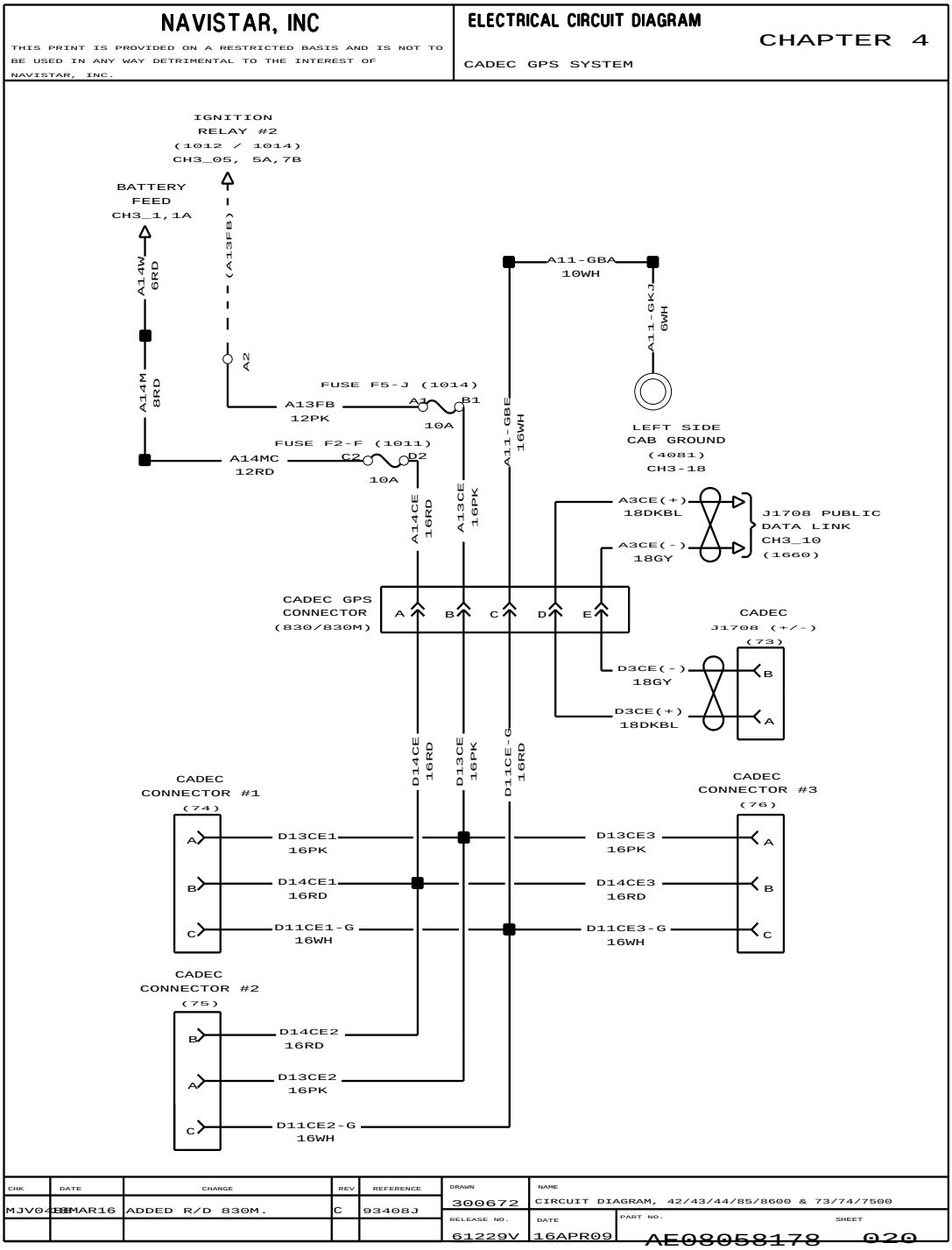

Figure 125 Cadec GPS System

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4.24. SATELLITE COMMUNICATION – MOBILEMAX, P. 21

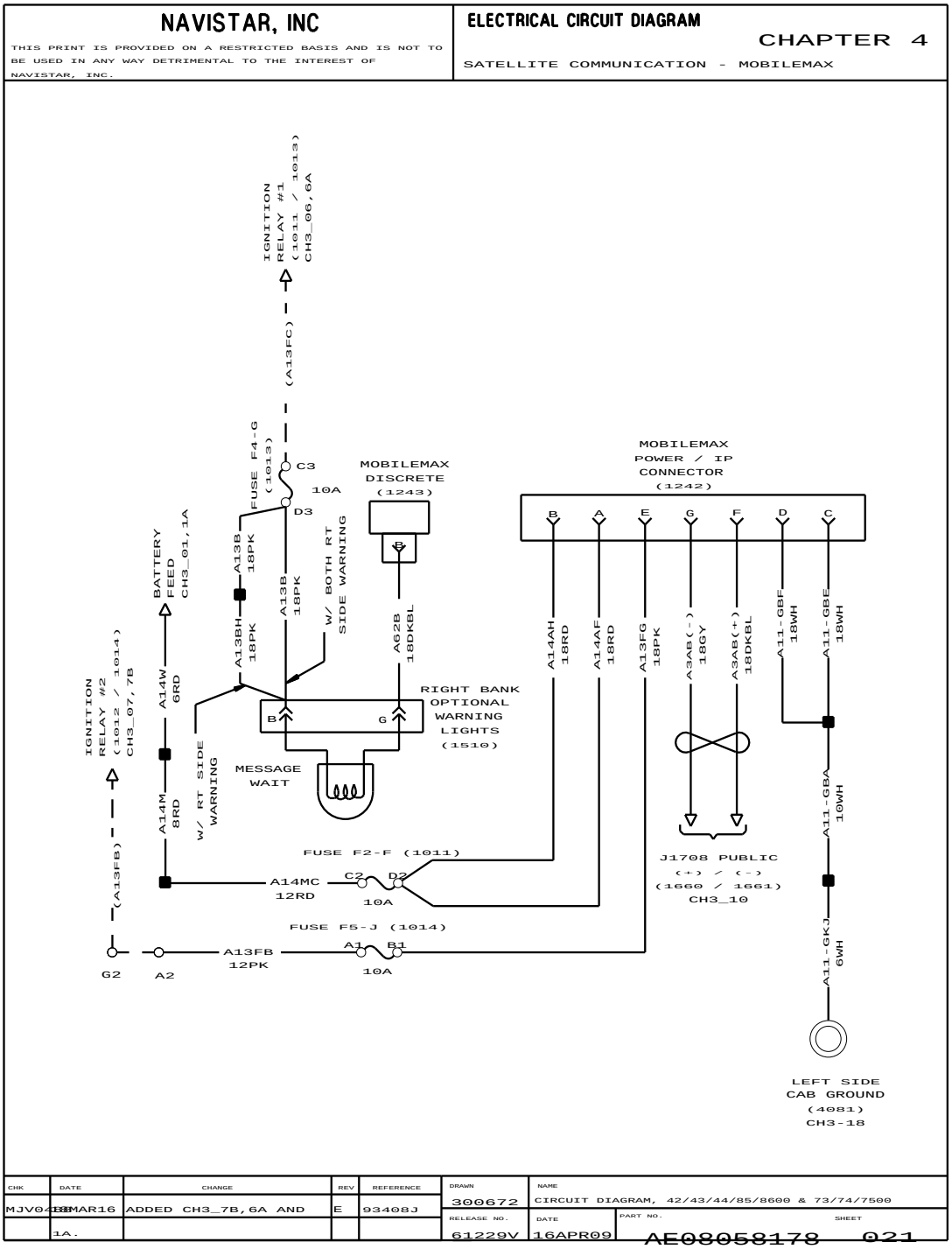

Figure 126 Satellite Communication – MobileMax

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4.25. SELF CONTAINED AIR SEAT, P. 22

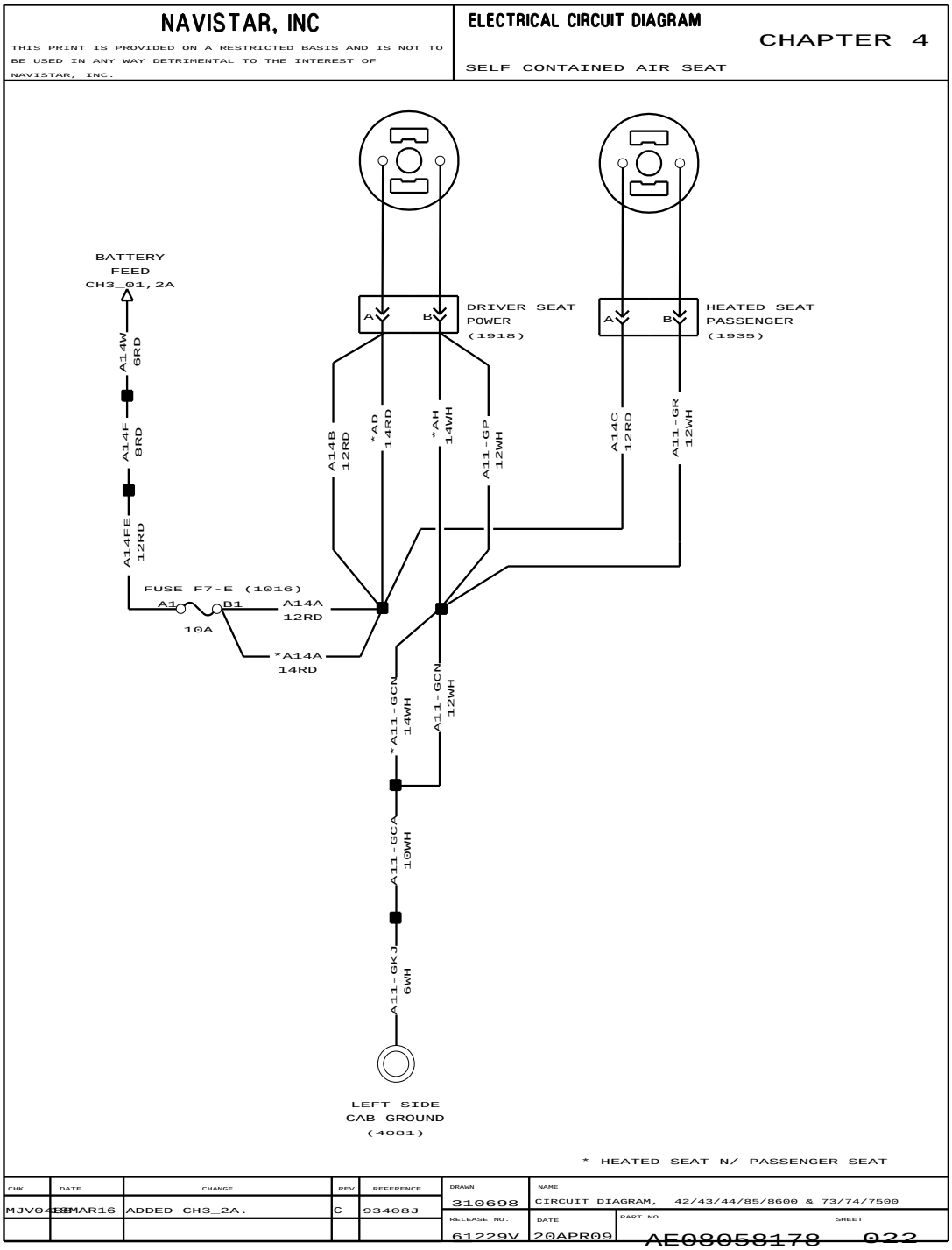

Figure 127 Self Contained Air Seat

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4.26. HEATED SEATS, P. 23

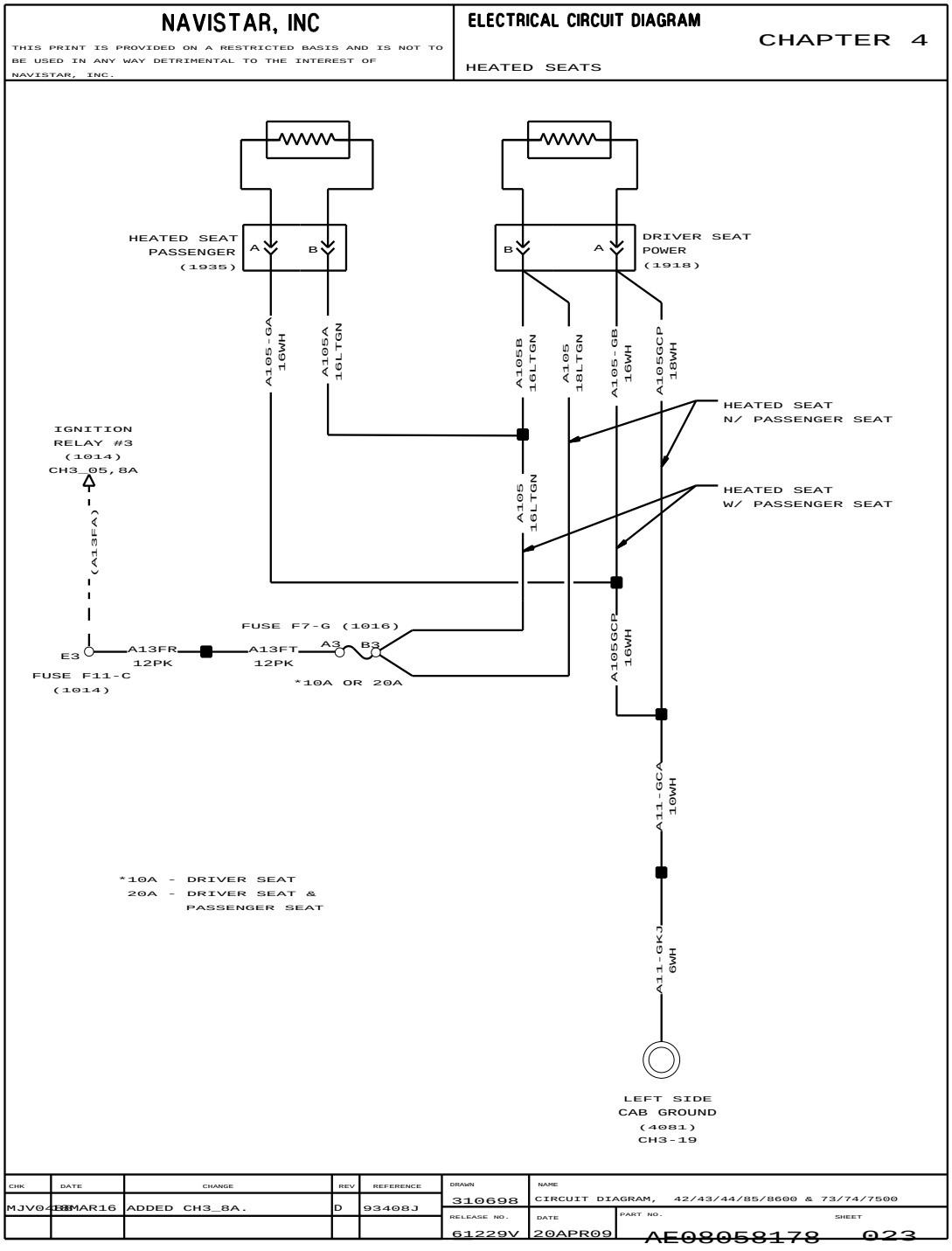

Figure 128 Heated Seats

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4.27. INTENTIONALLY LEFT BLANK, P. 24

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ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 4

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INTENTIONALLY

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CHK	DATE	CHANGE	REV	REFERENCE
0488	24JAN14	REMOVED GEOMETRY.	D	92372W

DRAWN	NAME
300474	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V	DATE 08APR09
PART NO. AE08058178	SHEET 024

Figure 129 Intentionally Left Blank

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4.28. INTENTIONALLY LEFT BLANK, P. 25

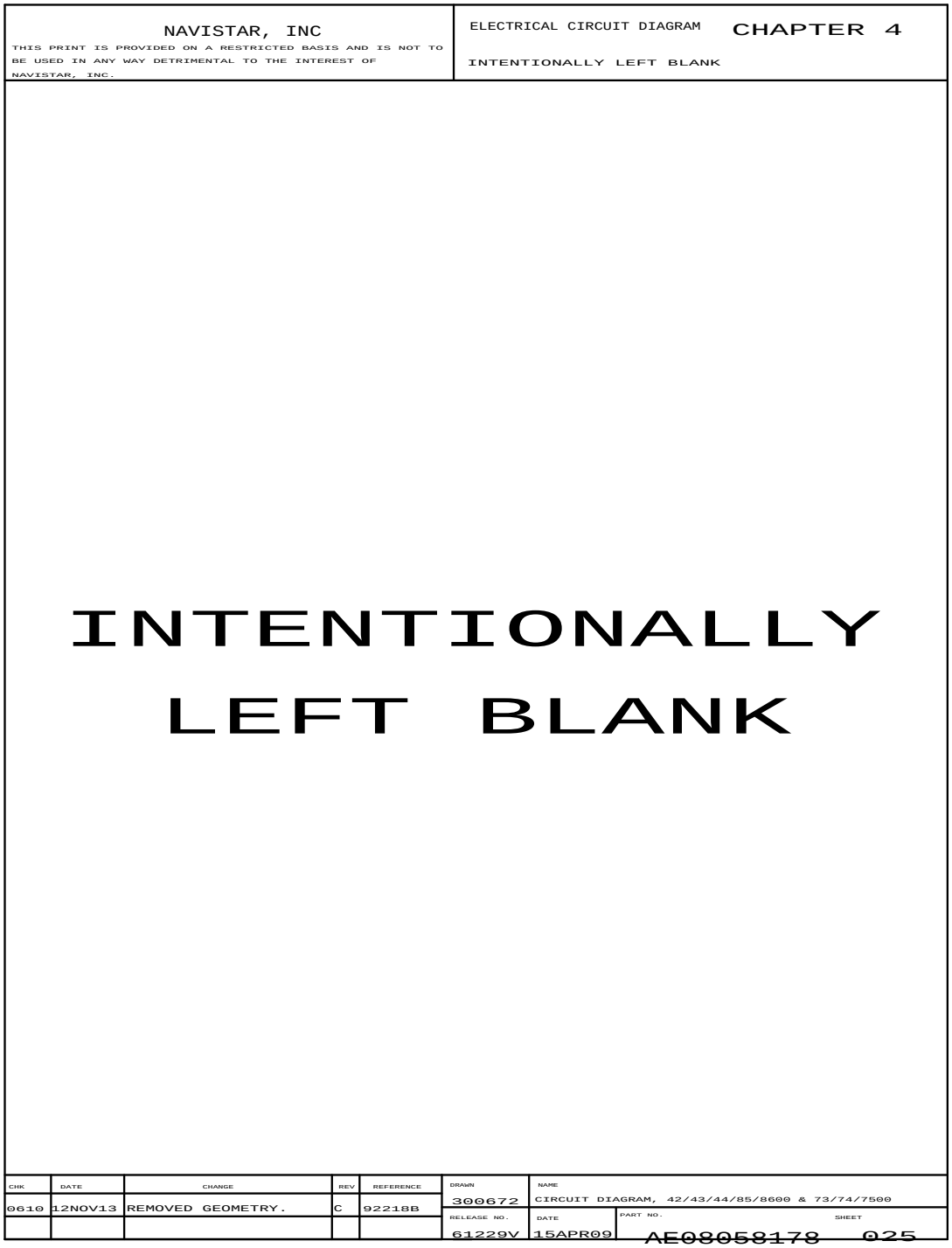

Figure 130 Intentionally Left Blank

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4.29. BACK-UP CAMERA, P. 26

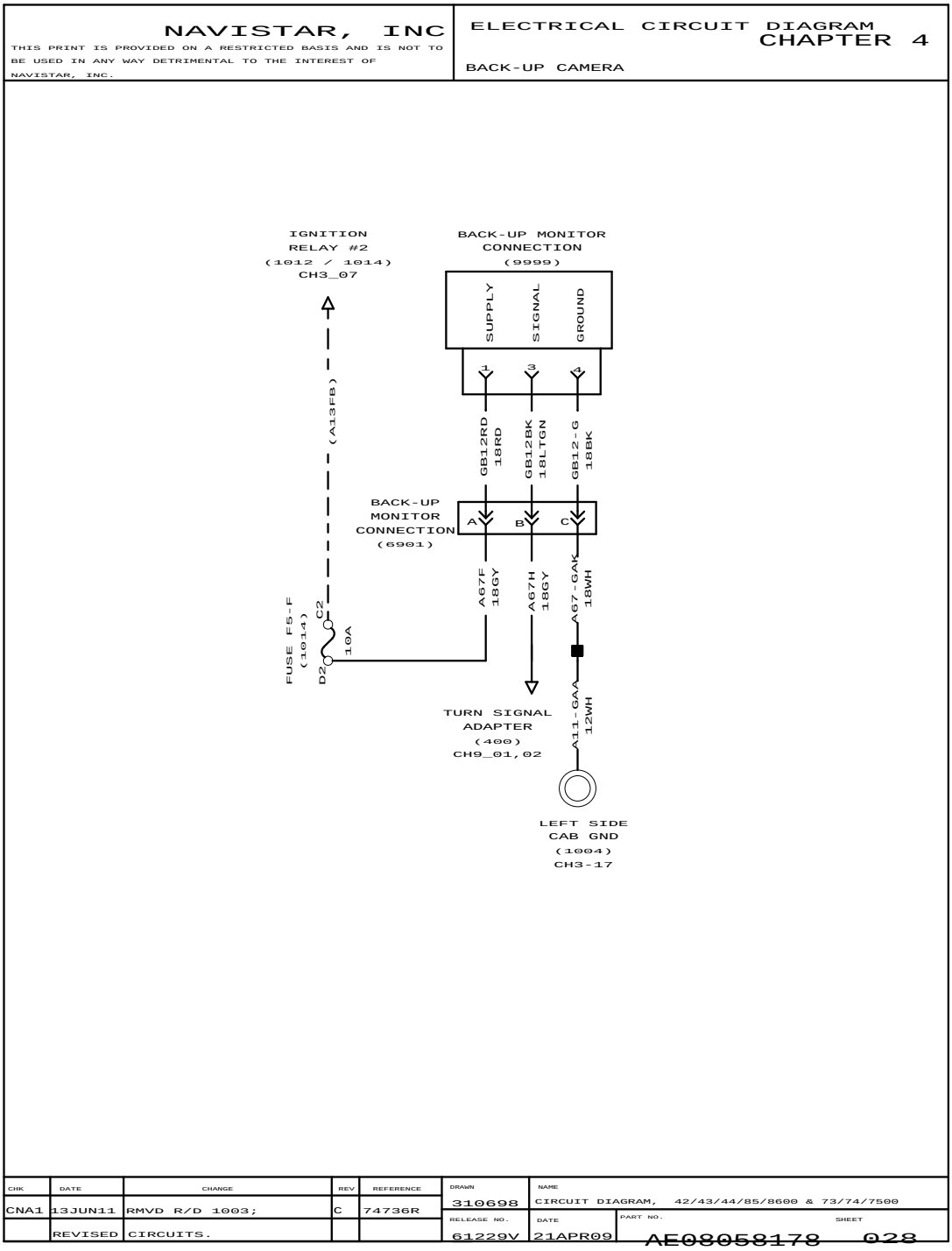

Figure 131 Back-Up Camera

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4.30. EATON VORAD COLLISION AVOIDANCE SYSTEM VS400, P. 27

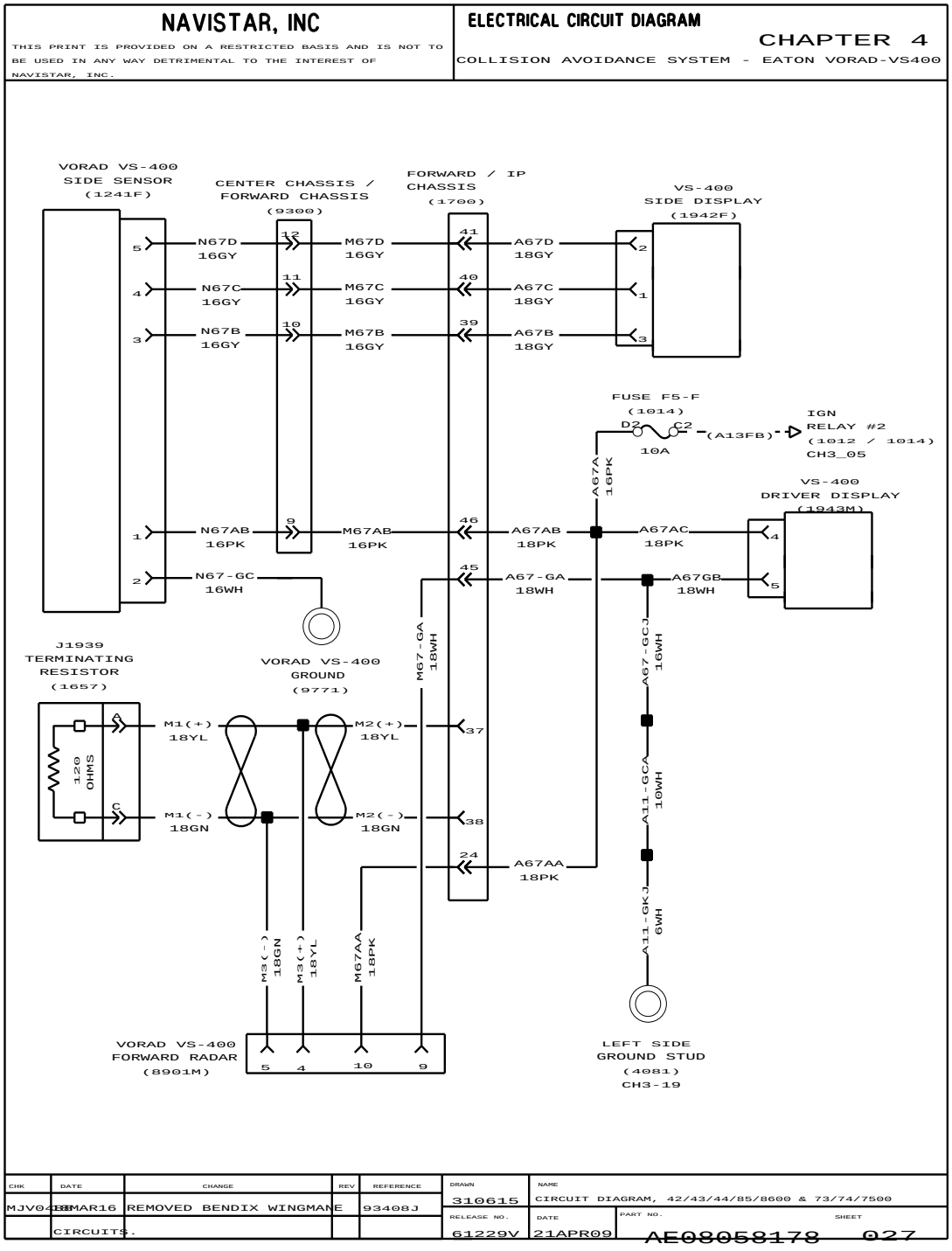

Figure 132 Eaton Vorad Collision Avoidance System VS400

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4.31. EATON VORAD COLLISION AVOIDANCE SYSTEM VS400 (CONT.), P. 27A

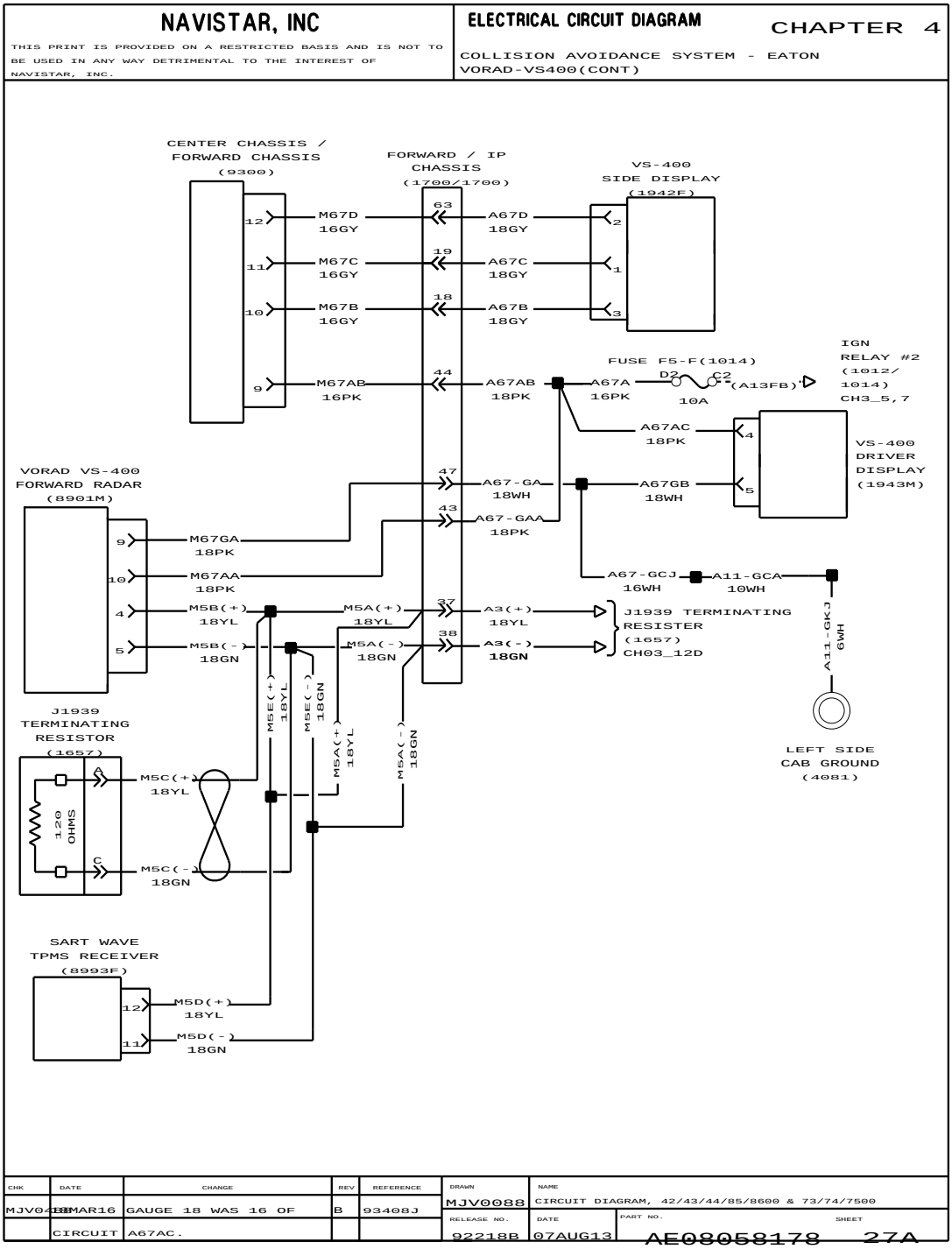

Figure 133 Eaton Vorad Collision Avoidance System VS400 (Cont.)

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4.32. EATON VORAD COLLISION AVOIDANCE SYSTEM VS400 (CONT.), P. 27B

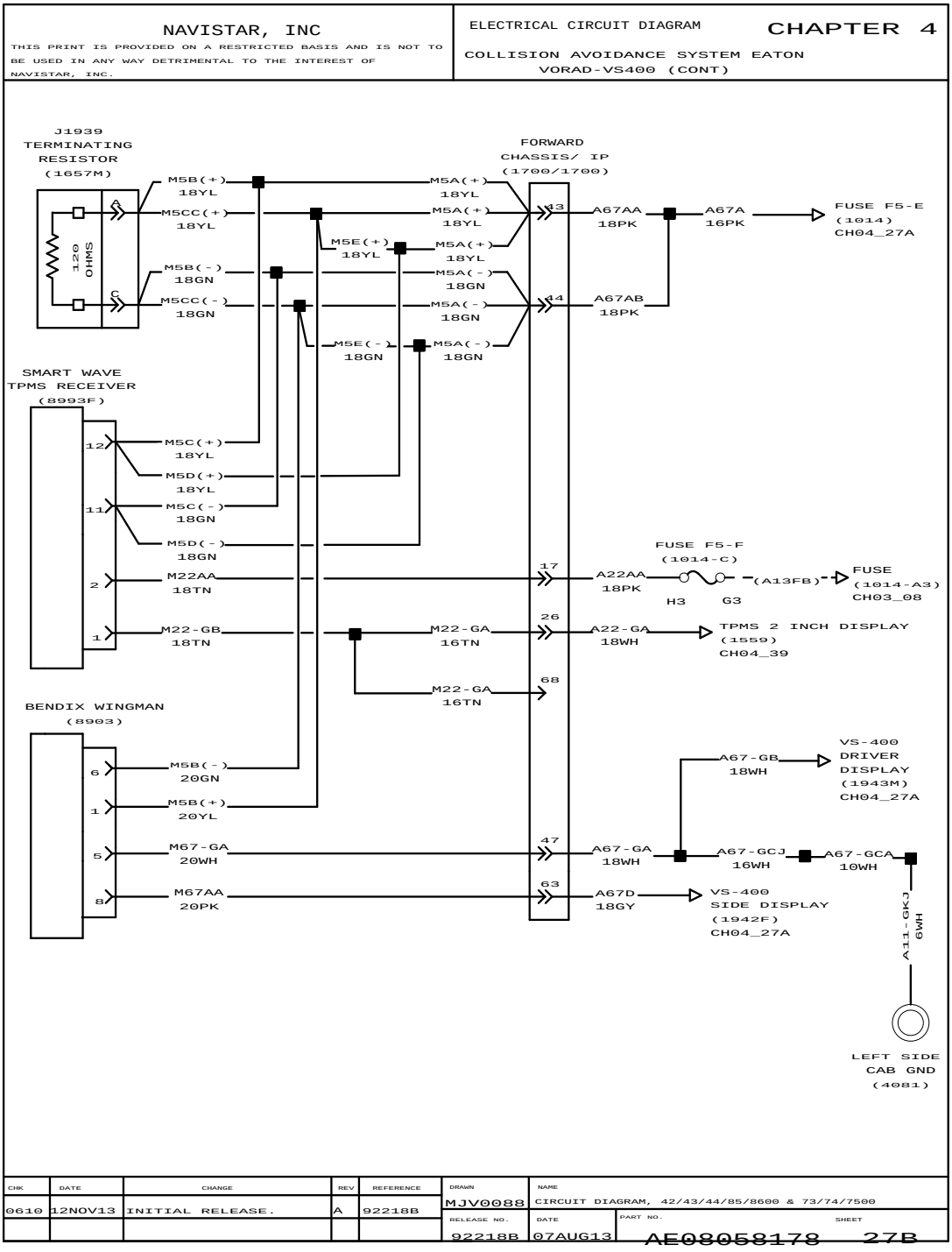

Figure 134 Eaton Vorad Collision Avoidance System VS400 (Cont.)

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4.33. COLLISION AVOIDANCE SYSTEM EATON VORAD VS400 (CONT,), P. 27C

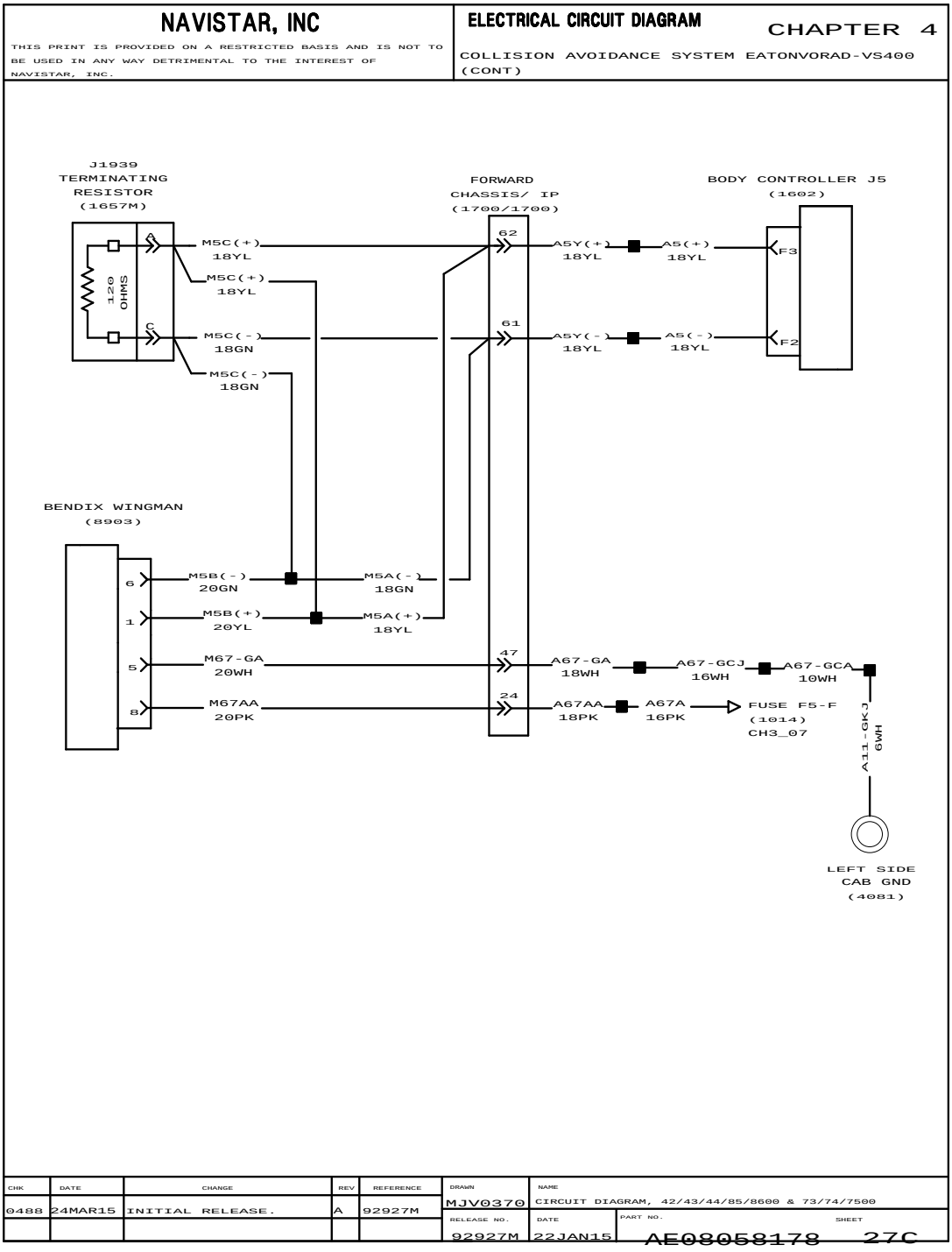

Figure 135 Collision Avoidance System Eaton Vorad VS400 (Cont,)

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4.34. BACK-UP CAMERA, P. 28

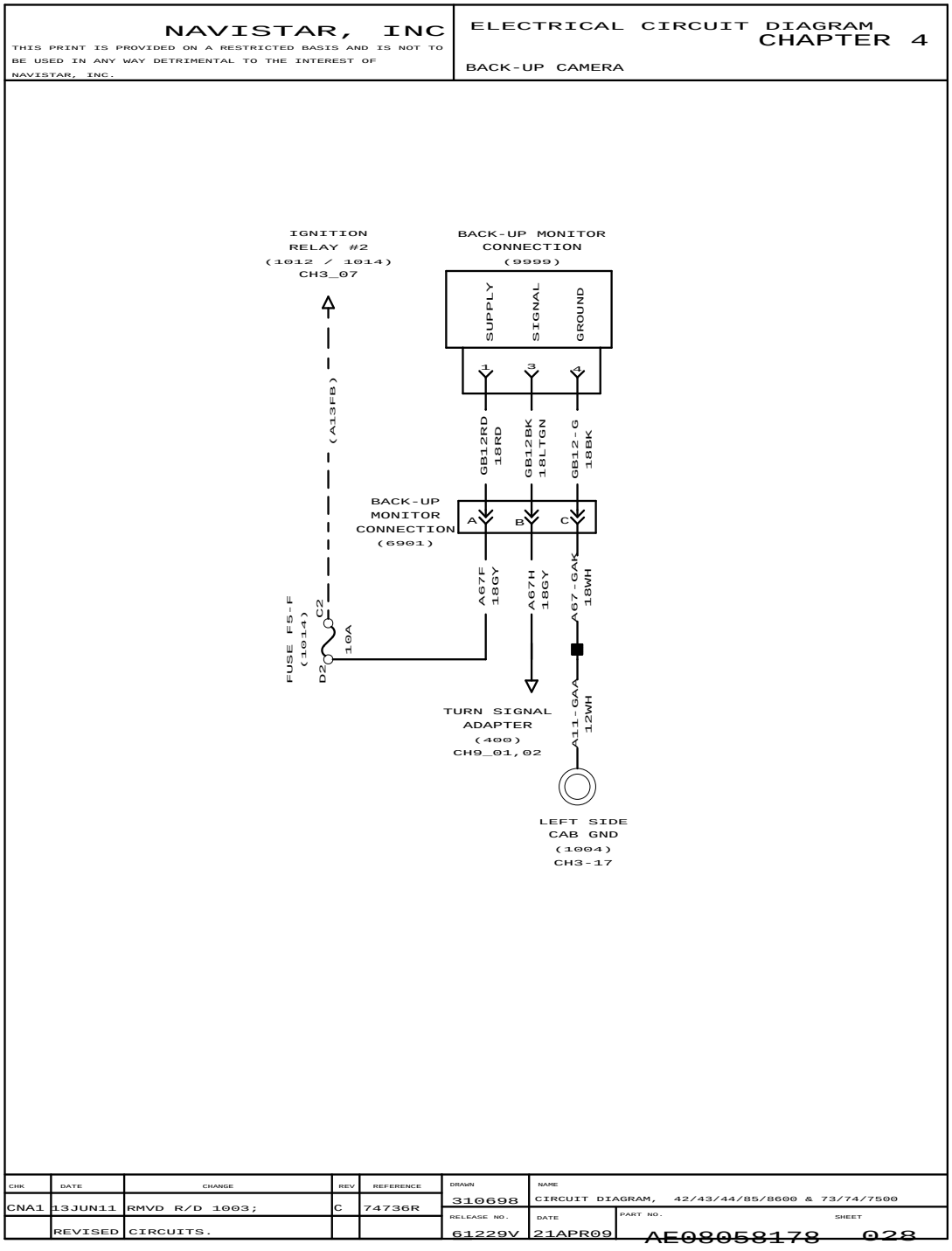

Figure 136 Back-Up Camera

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4.35. SATELLITE COMMUNICATION – QUALCOMM IMCT WITH MVPC KEYBOARD, P. 29

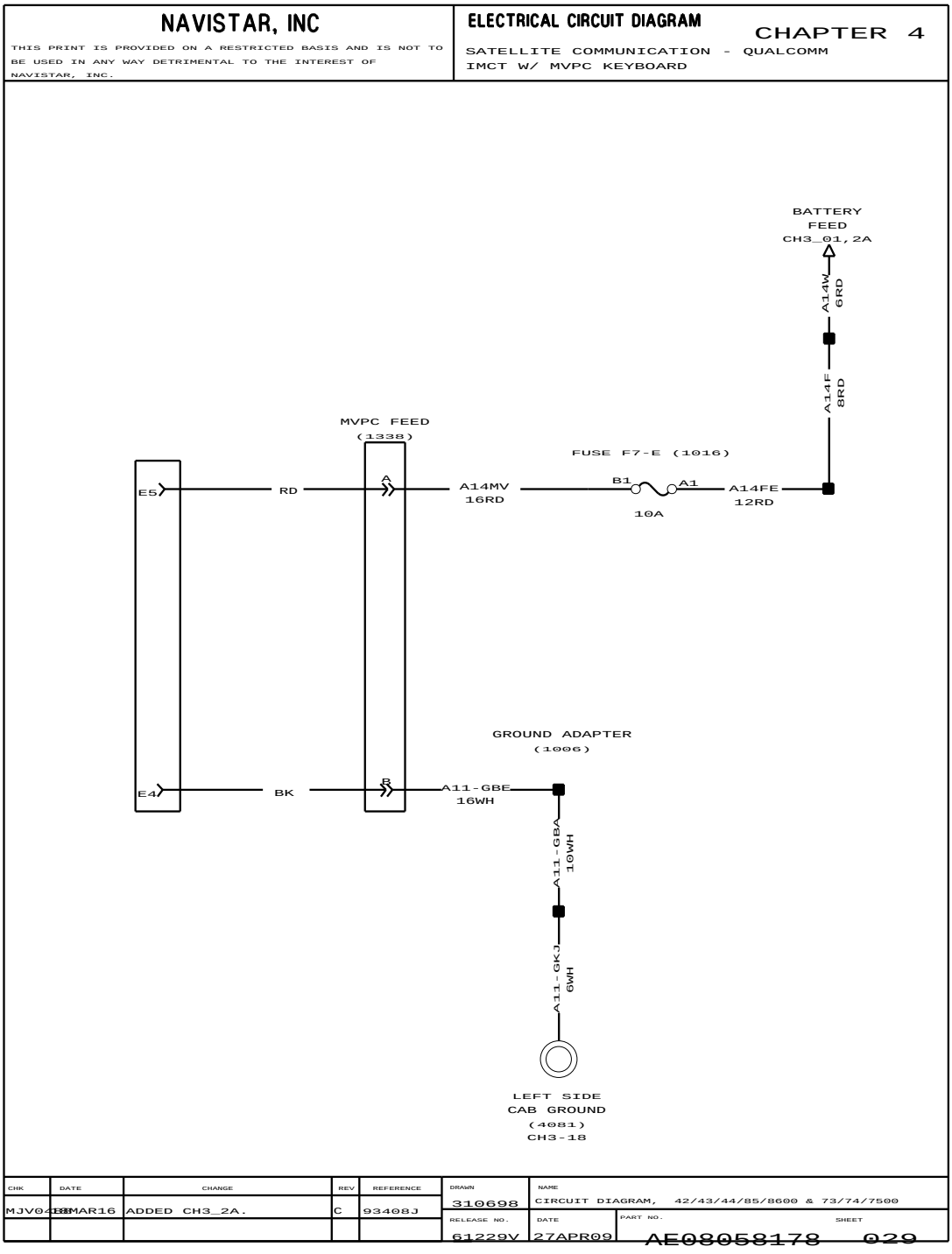

Figure 137 Satellite Communication – Qualcomm IMCT with MVPC Keyboard

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4.36. AIR SHIELD LIGHT, P. 30

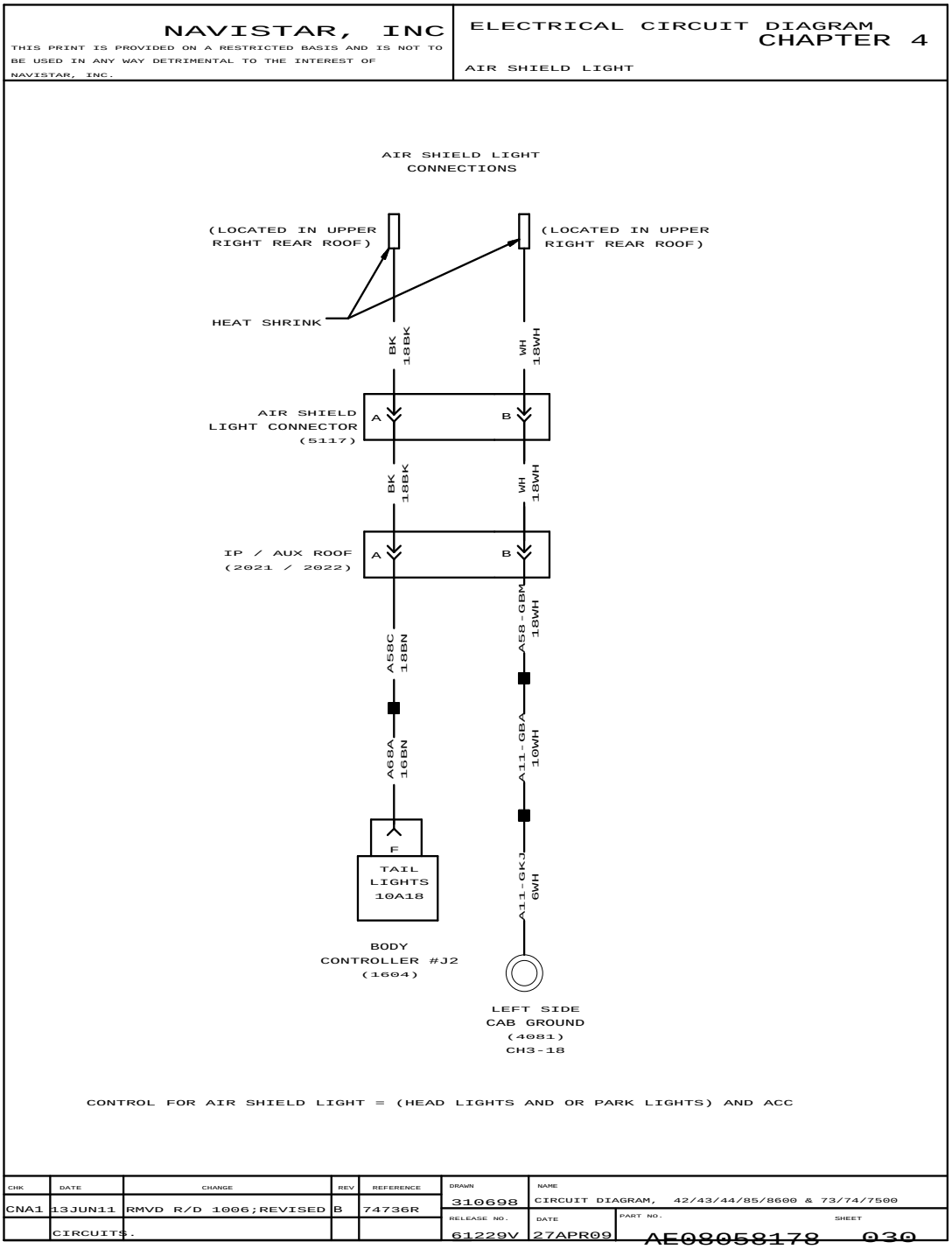

Figure 138 Air Shield Light

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4.37. SATELLITE COMMUNICATION – QUALCOMM OMNIVISION, P. 31

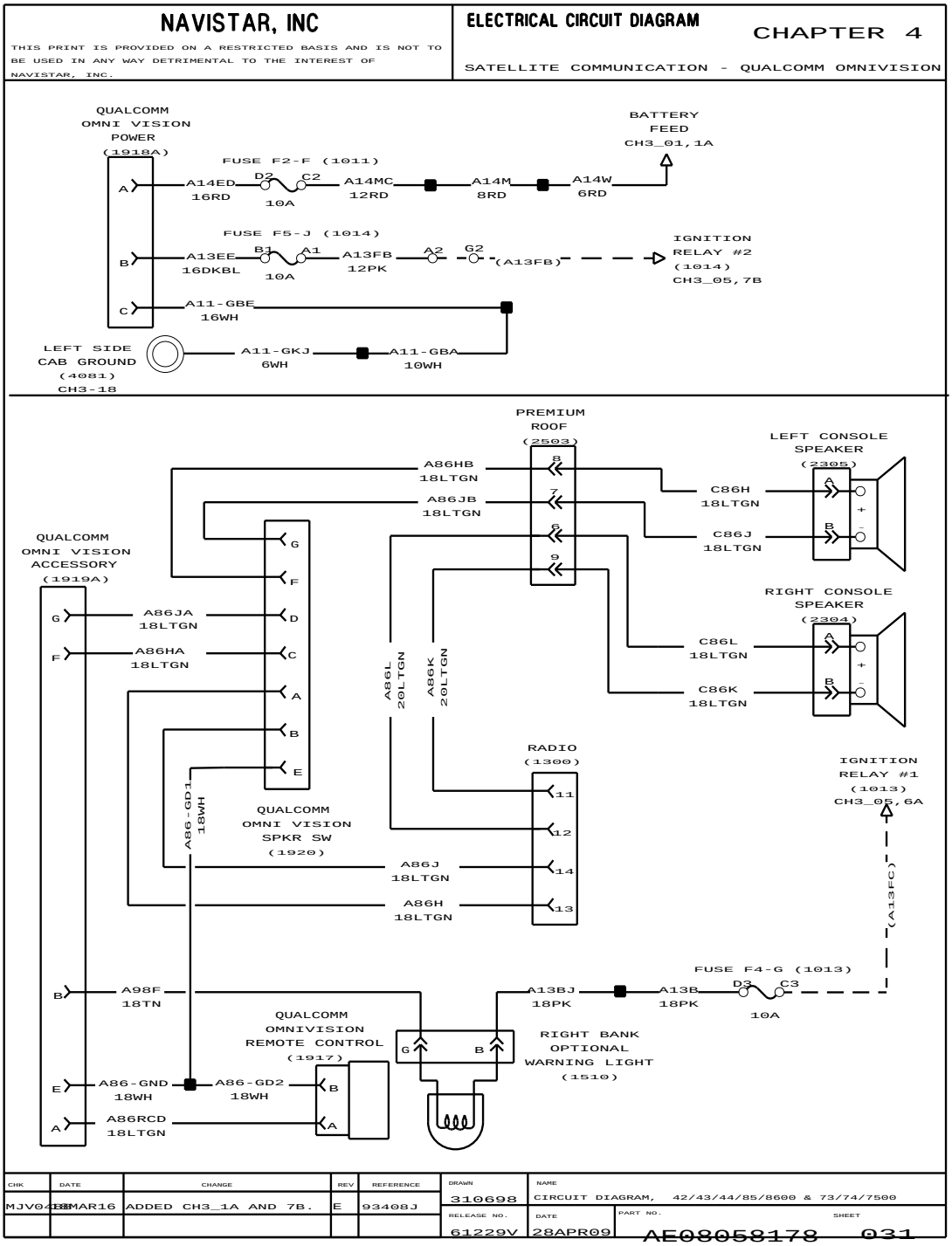

Figure 139 Satellite Communication – Qualcomm Omnivision

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4.38. RADIO (ENTERTAINMENT), SPEAKERS – WITH 12 WAY CONNECTOR, P. 32

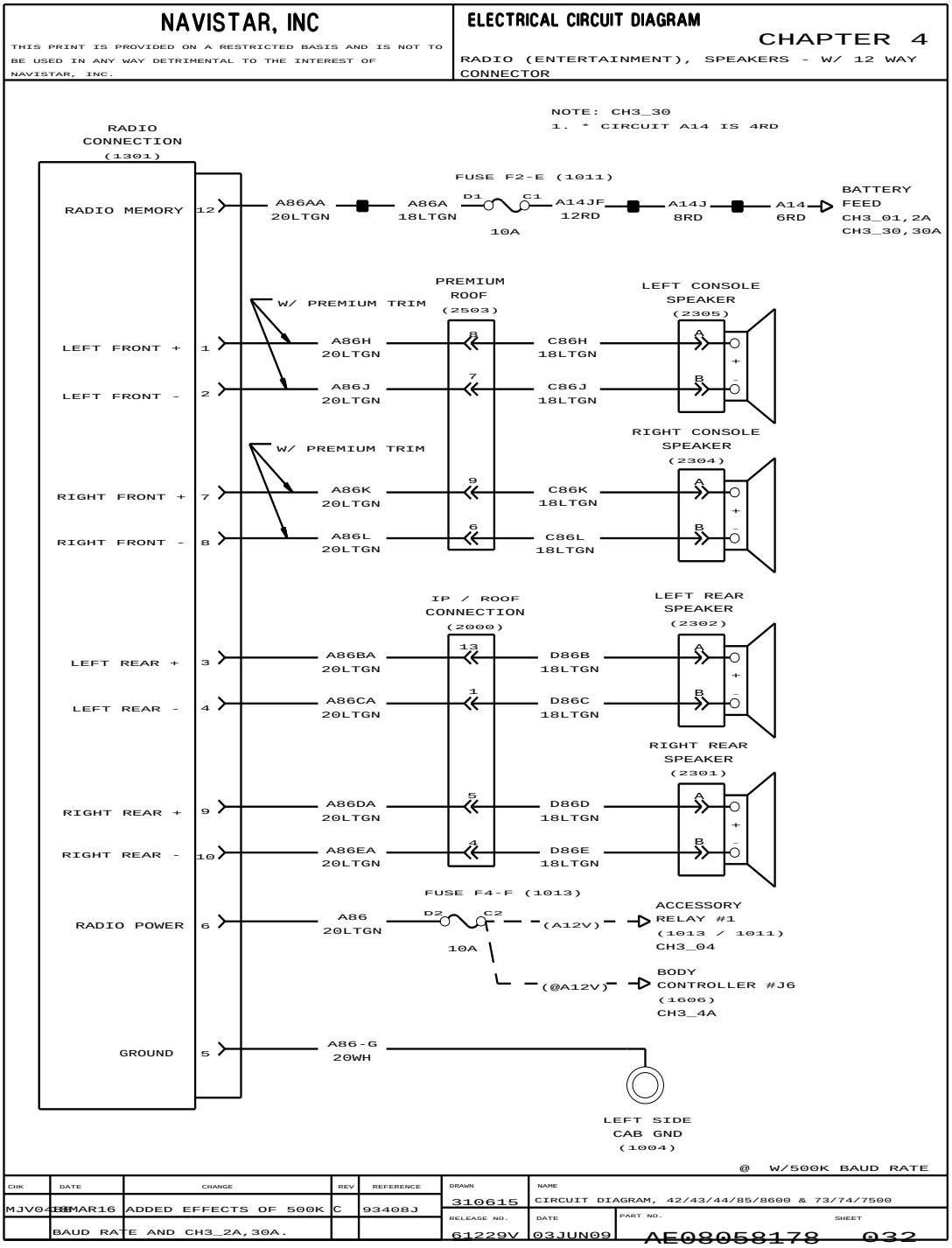

Figure 140 Radio (Entertainment), Speakers – with 12 Way Connector

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4.39. RADIO (ENTERTAINMENT), SPEAKERS – WITH 16 WAY CONNECTOR, P. 33

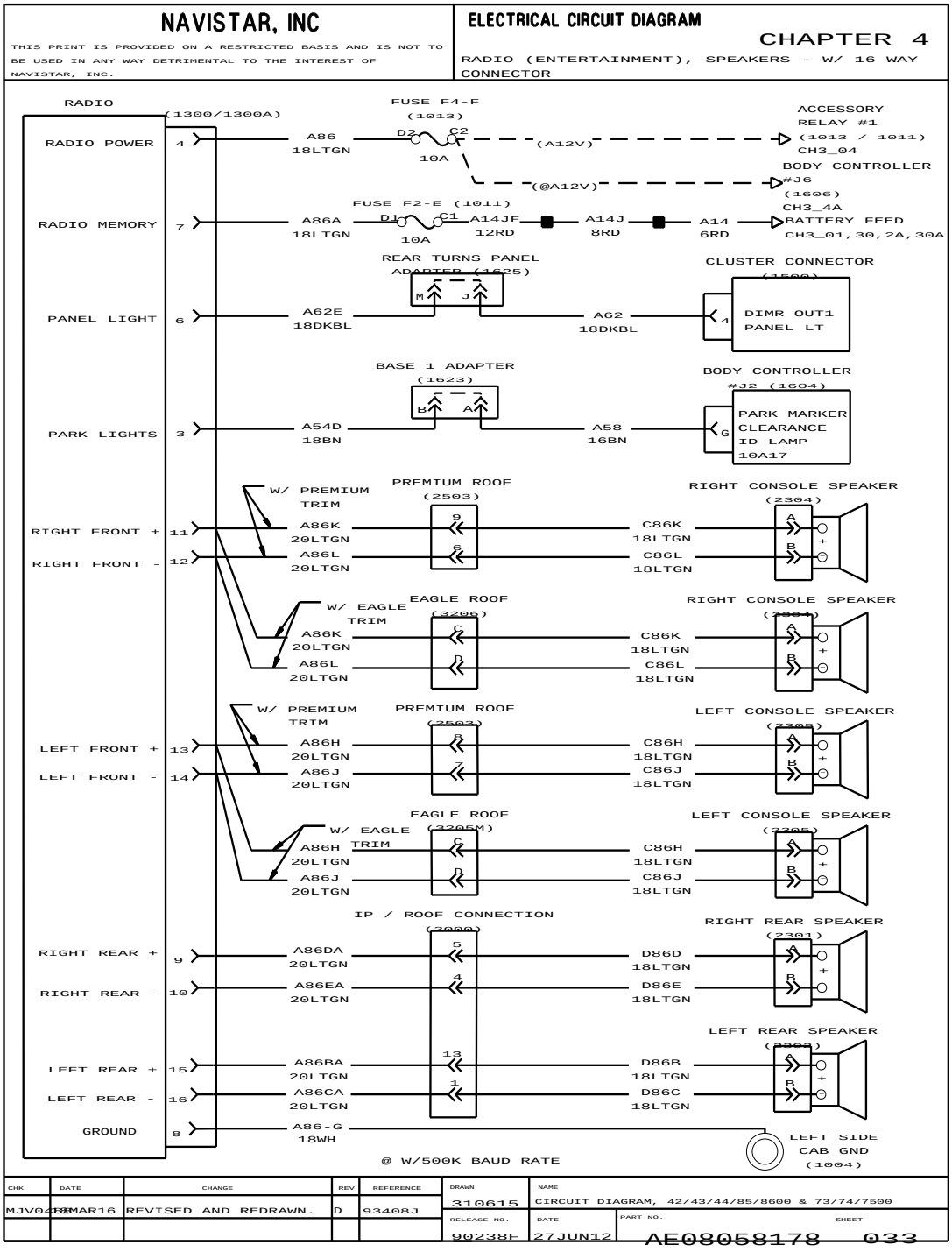

Figure 141 Radio (Entertainment), Speakers – with 16 Way Connector

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4.40. RADIO (ENTERTAINMENT), SPEAKERS – WITH 16 WAY CONNECTOR, P. 33A

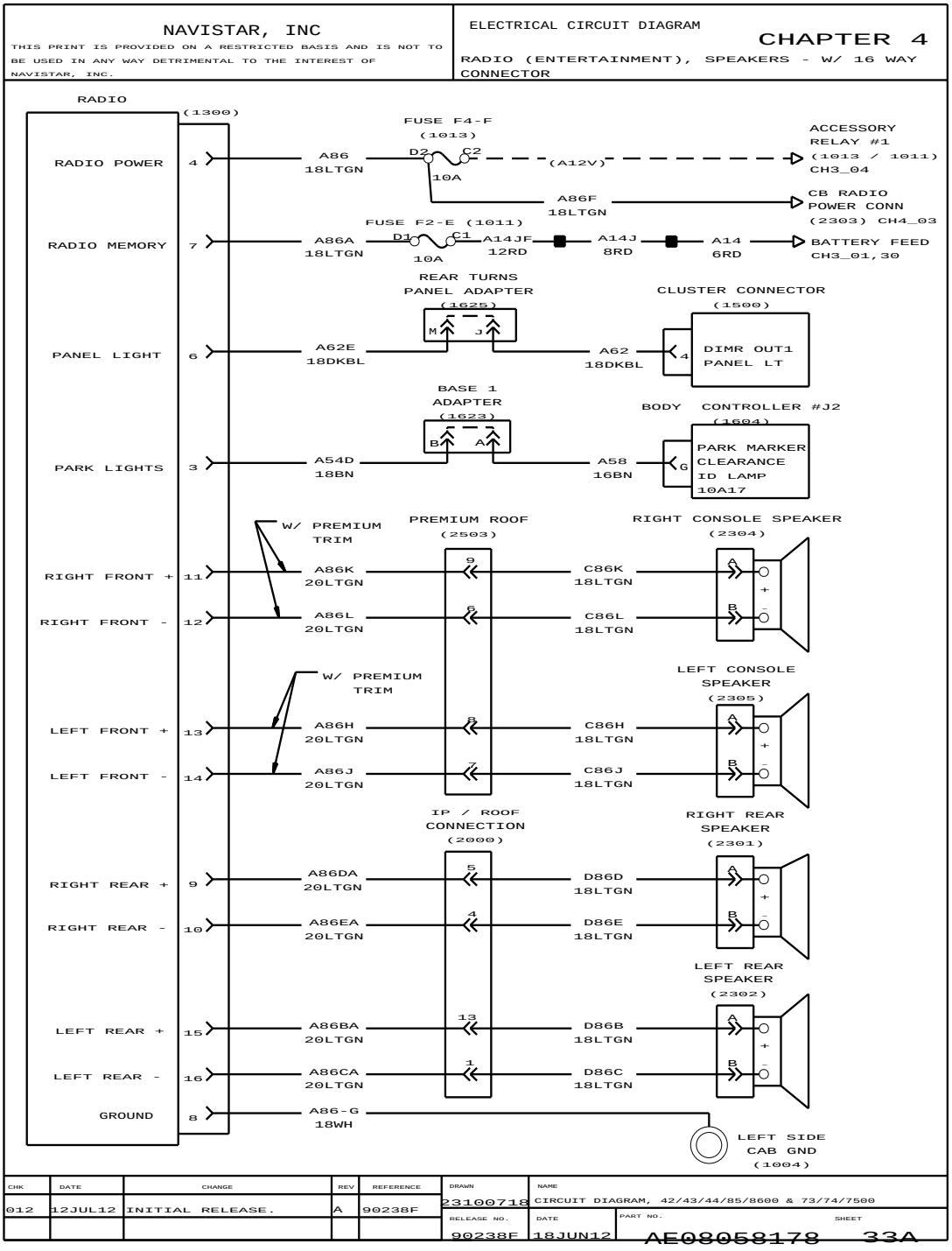

Figure 142 Radio (Entertainment), Speakers – with 16 Way Connector

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4.41. RADIO (ENTERTAINMENT), SPEAKERS – WITH 16 WAY CONNECTOR, P. 33B

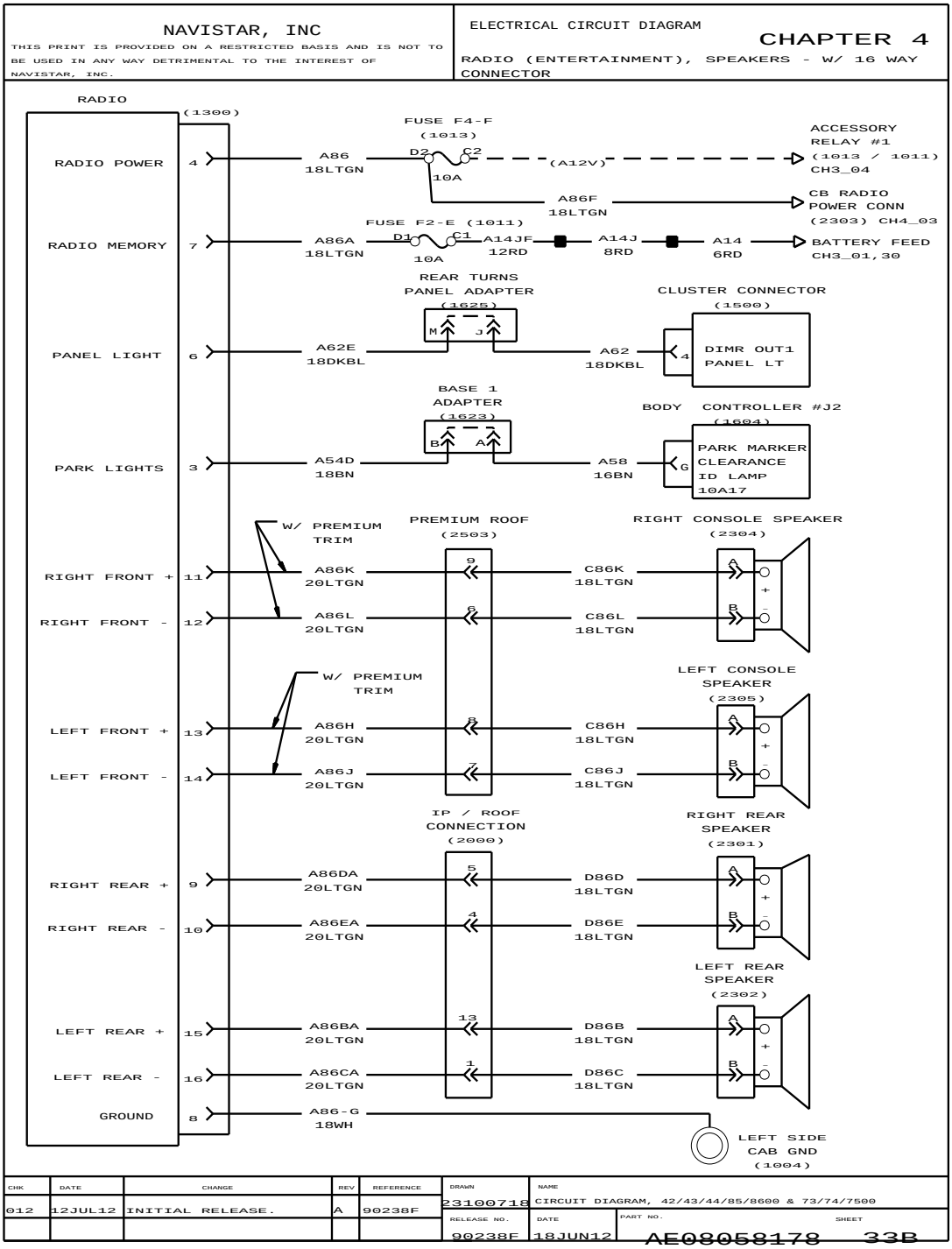

Figure 143 Radio (Entertainment), Speakers – with 16 Way Connector

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4.42. RADIO (ENTERTAINMENT), SPEAKERS – WITH 16 WAY CONNECTOR (CONT.), P. 33C

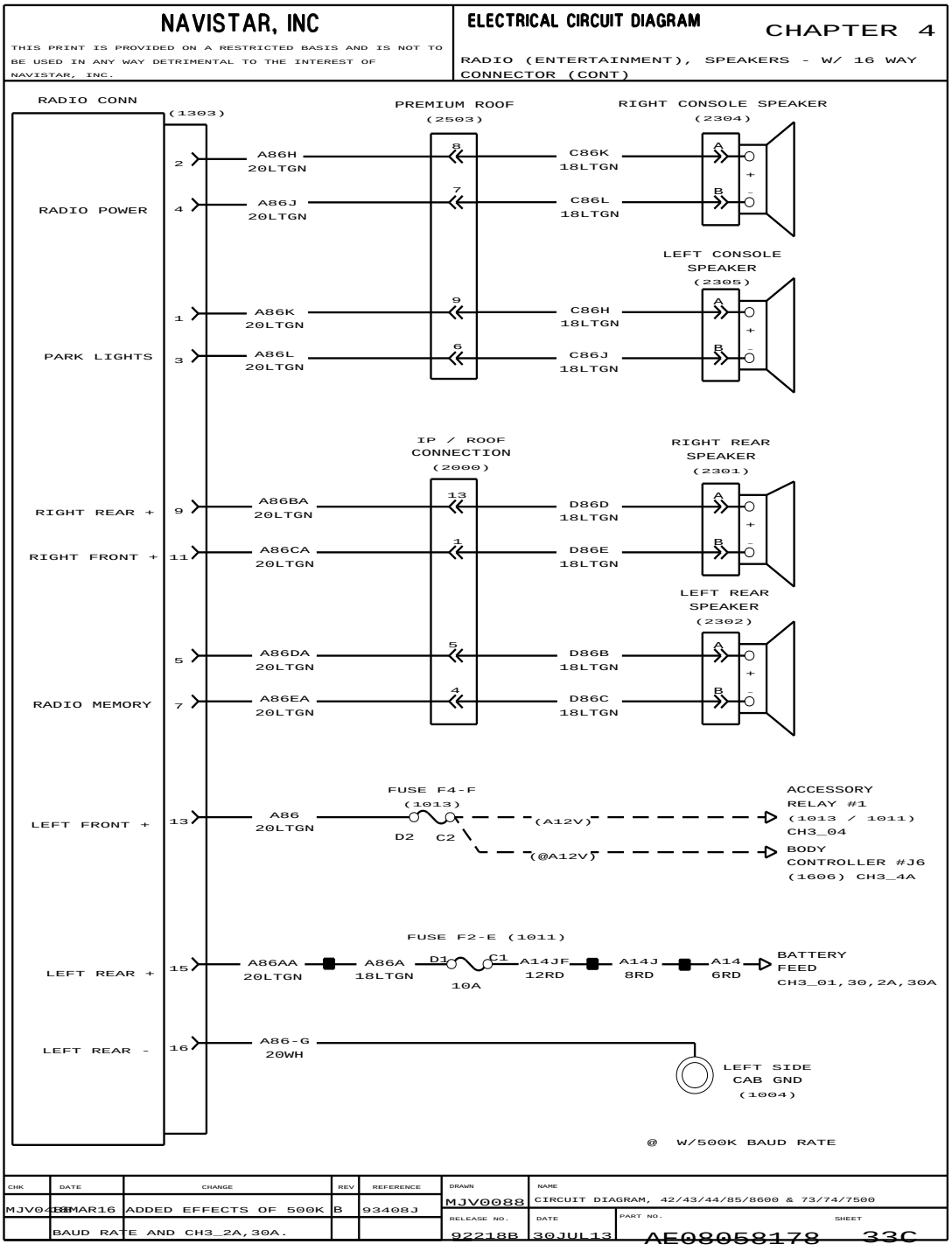

Figure 144 Radio (Entertainment), Speakers – with 16 Way Connector (Cont.)

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4.43. RADIO (ENTERTAINMENT), SPEAKERS – WITH 16 WAY CONNECTOR (CONT.), P. 33D

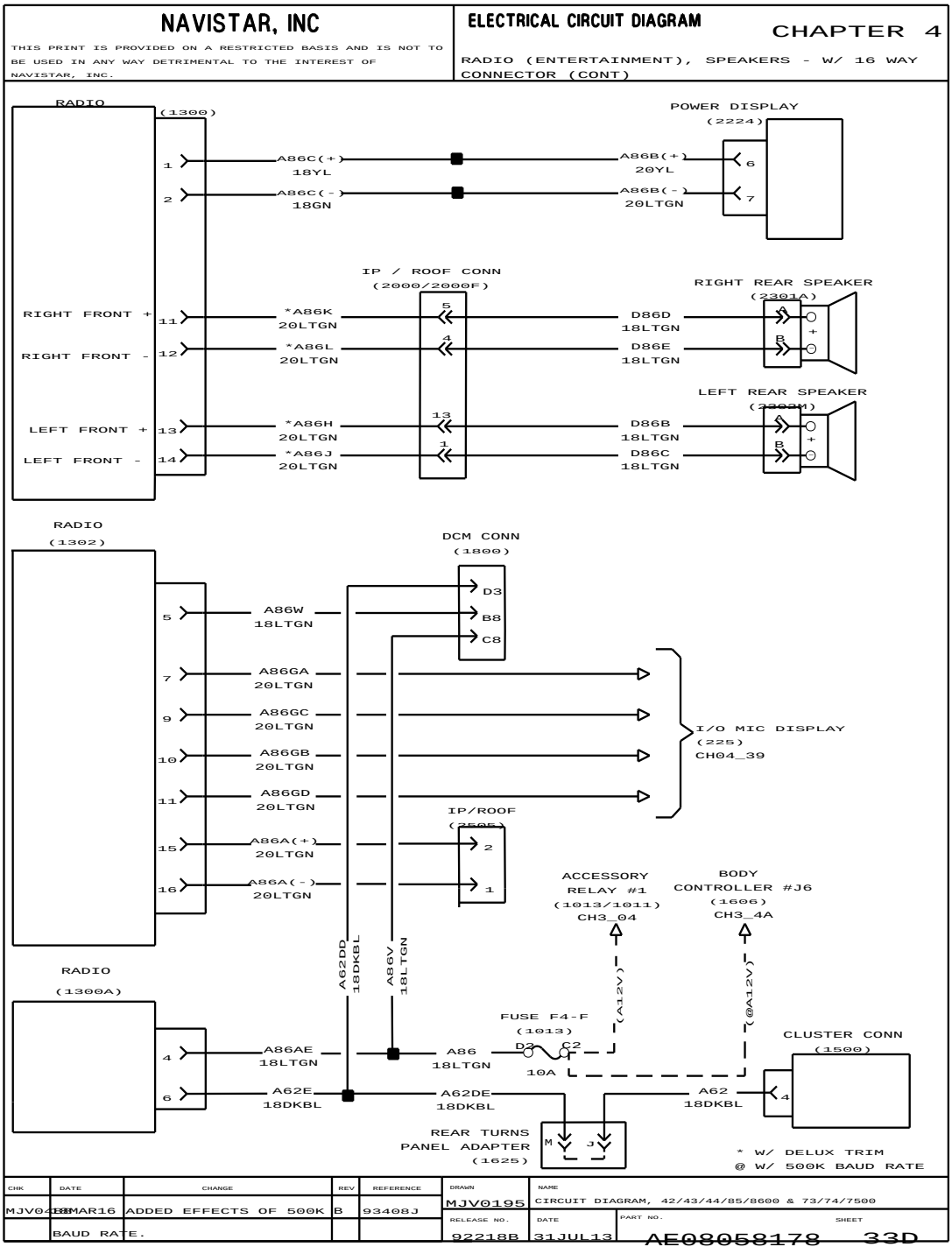

Figure 145 Radio (Entertainment), Speakers – with 16 Way Connector (Cont.)

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4.44. SEATBELT AND SEAT SENSOR, P. 34

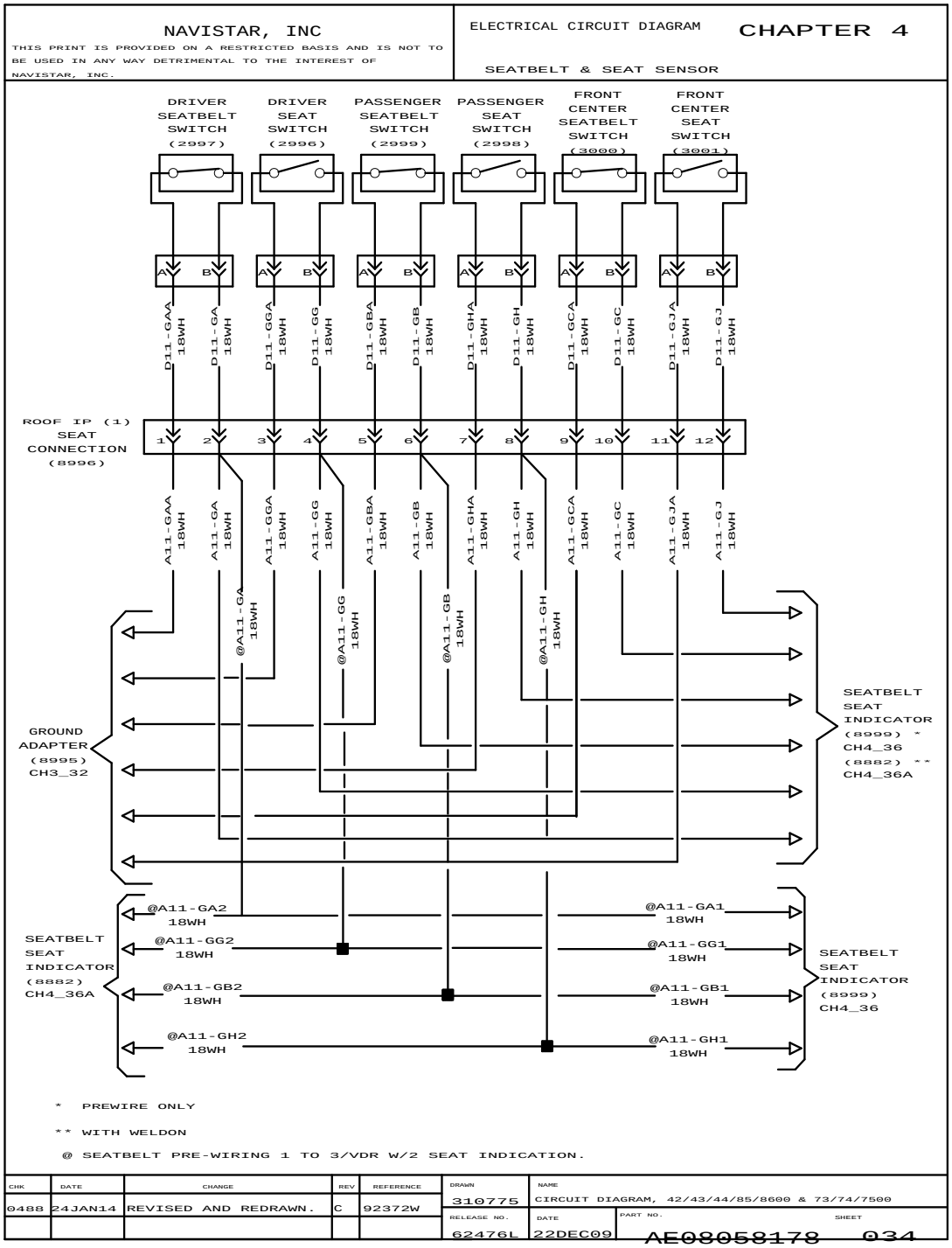

Figure 146 Seatbelt and Seat Sensor

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4.45. SEATBELT AND SEAT SENSOR (CONT.), P. 35

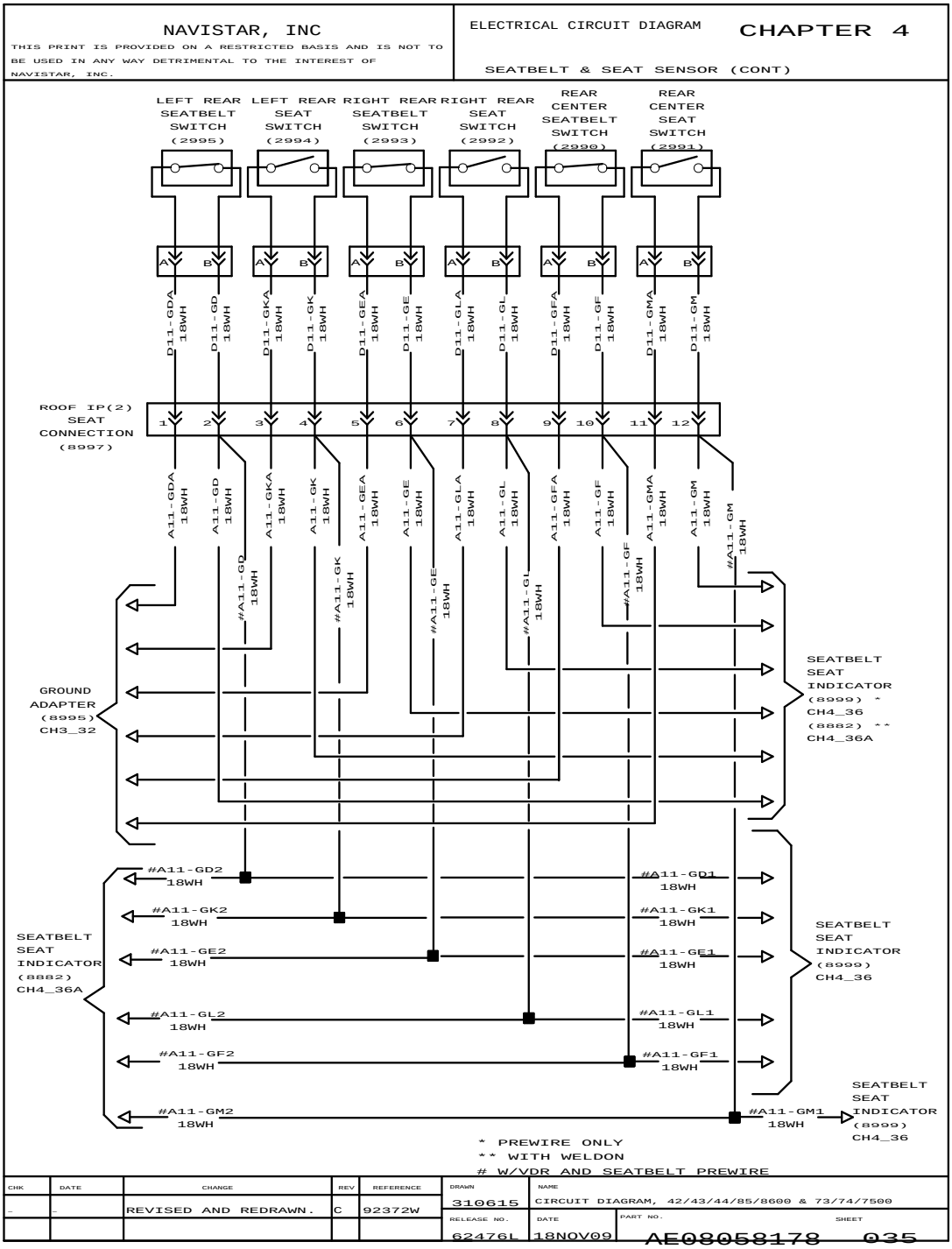

Figure 147 Seatbelt and Seat Sensor (Cont.)

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4.46. SEATBELT AND SEAT SENSOR (CONT.), P. 36

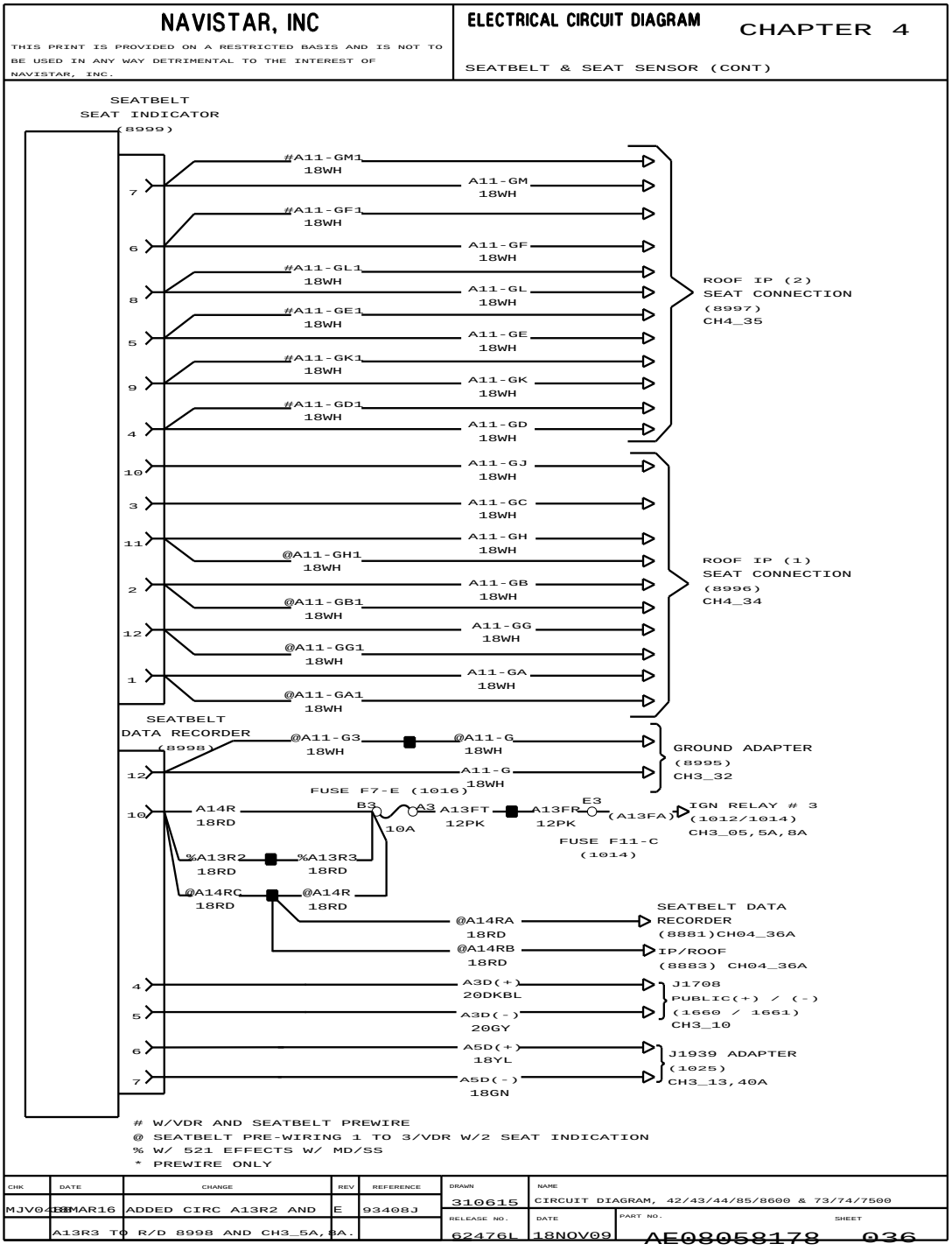

Figure 148 Seatbelt and Seat Sensor (Cont.)

https://truckmanualshub.com/

4.47. SEATBELT AND SEAT SENSOR (CONT.), P. 36A

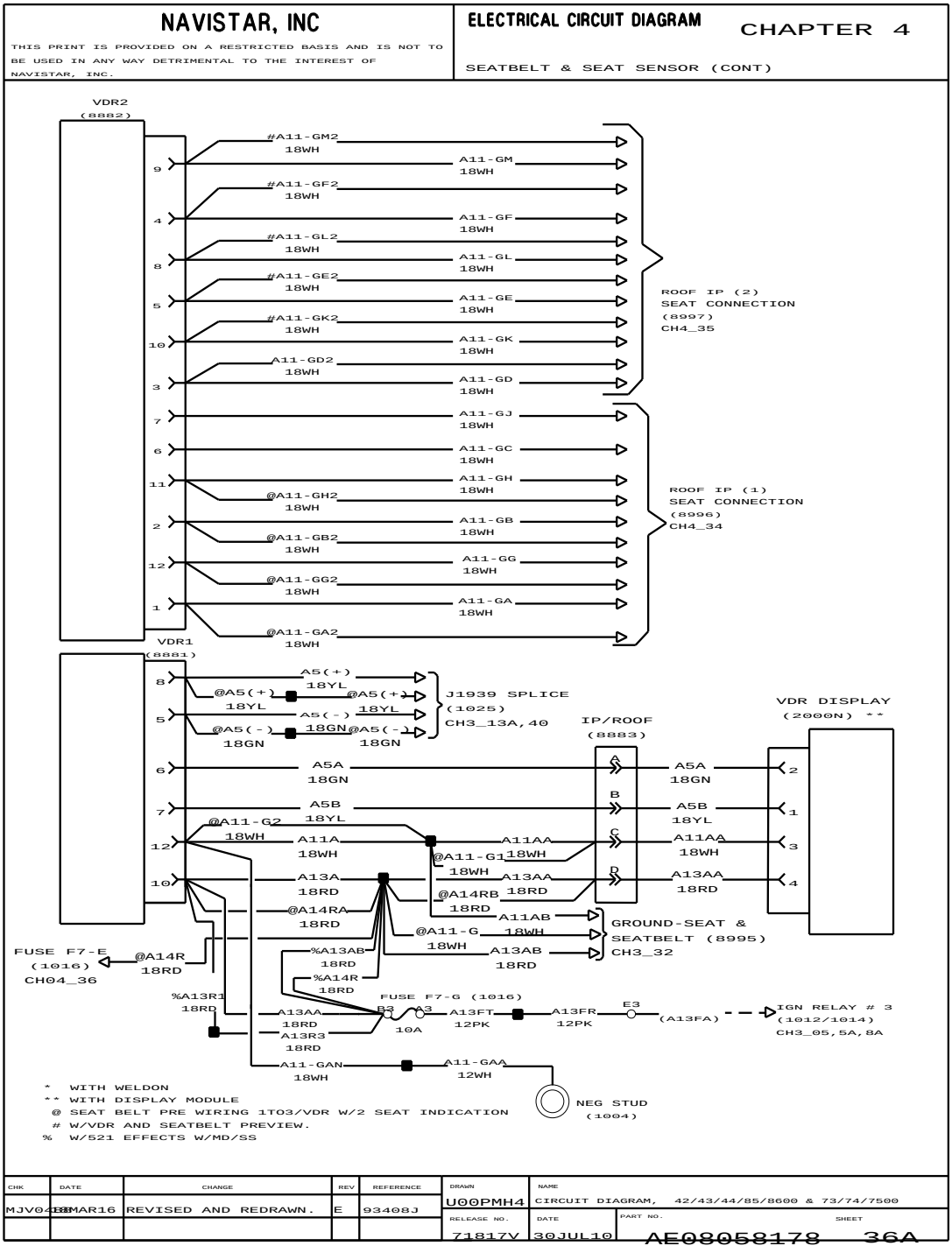

Figure 149 Seatbelt and Seat Sensor (Cont.)

https://truckmanualshub.com/

4.48. PASS CODE, P. 37

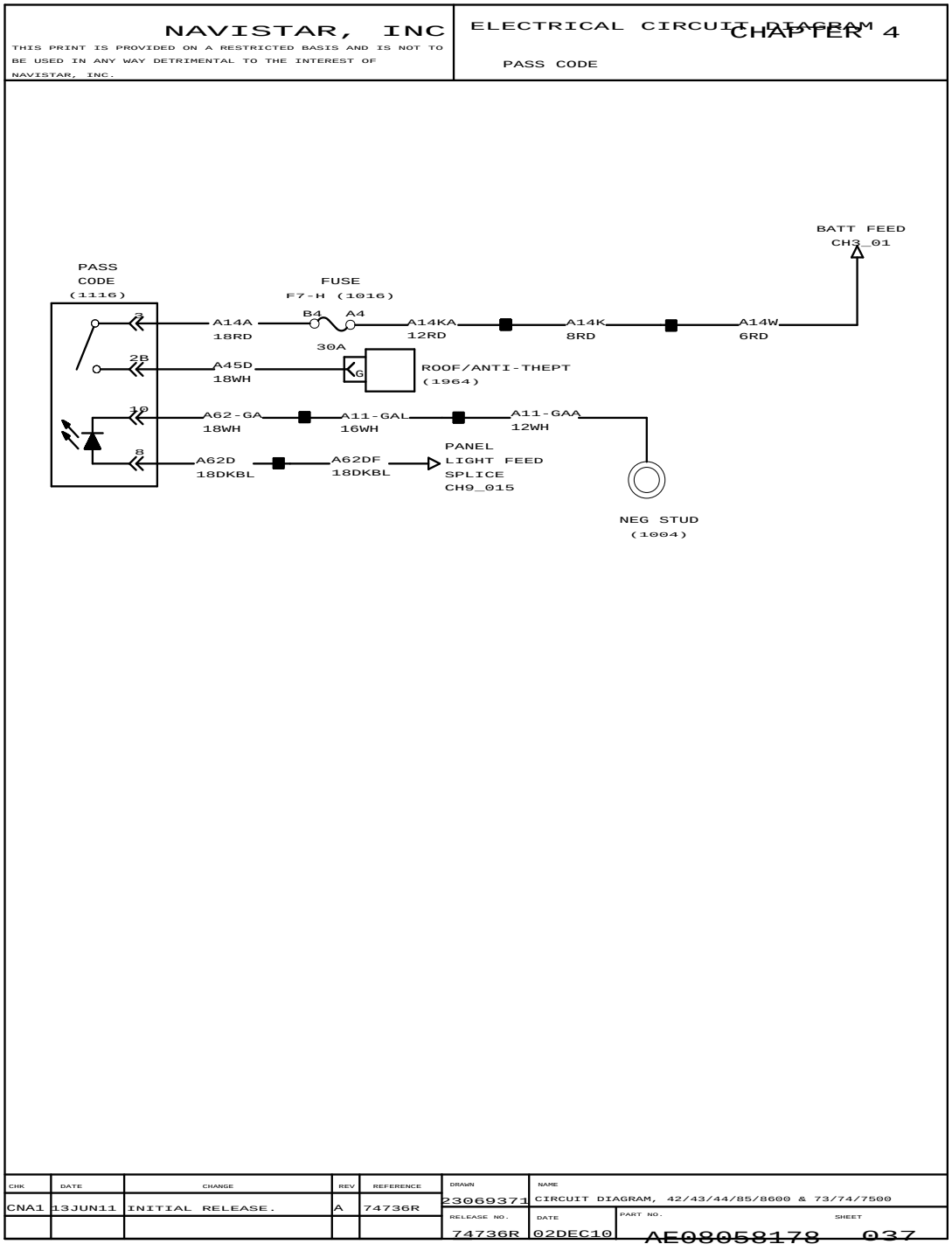

Figure 150 Pass Code

https://truckmanualshub.com/

4.49. DRIVER DISPLAY – VEHICLE INFORMATION, P. 38

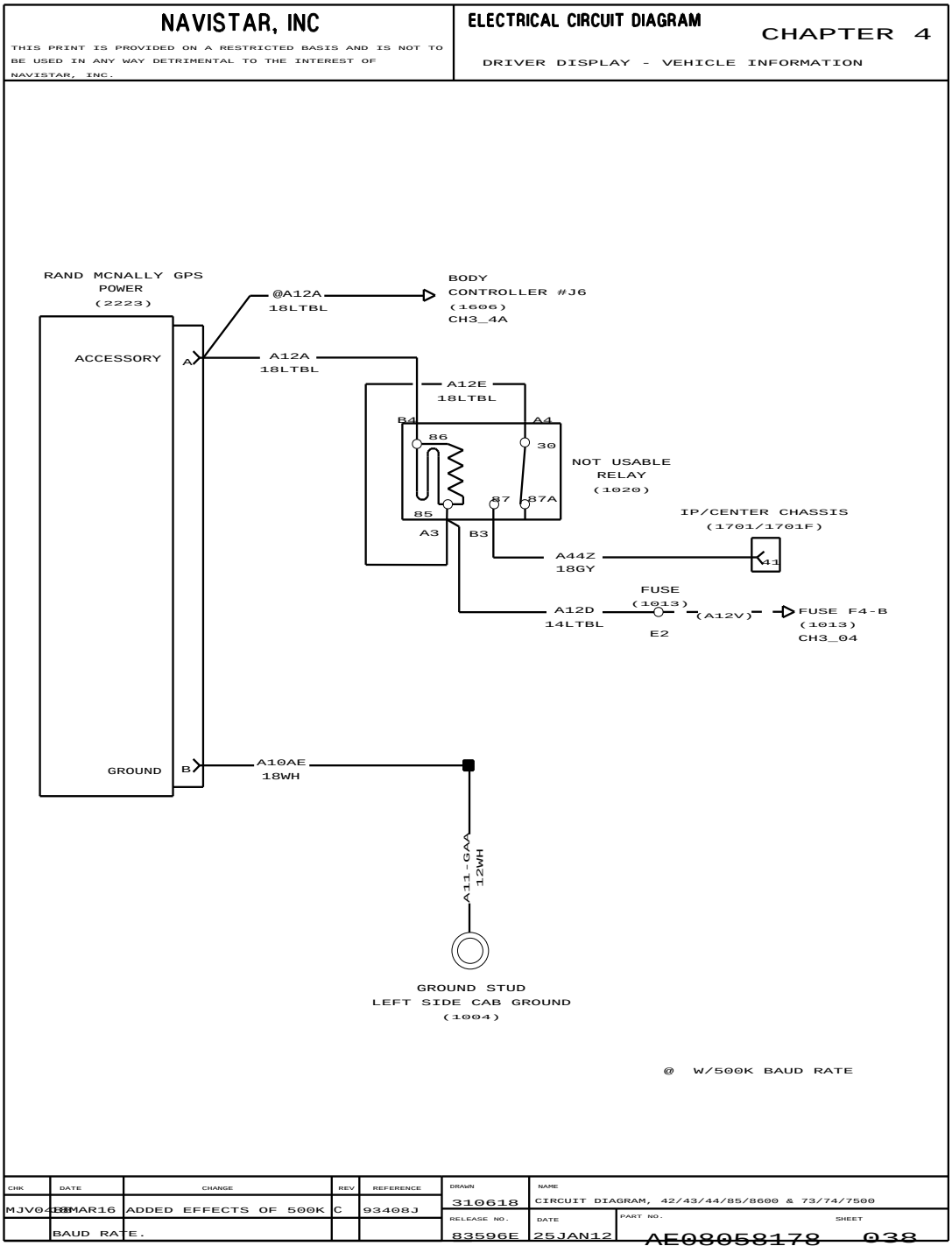

Figure 151 Driver Display – Vehicle Information

https://truckmanualshub.com/

4.50. DRIVER DISPLAY – VEHICLE INFORMATION (CONT.), P. 39

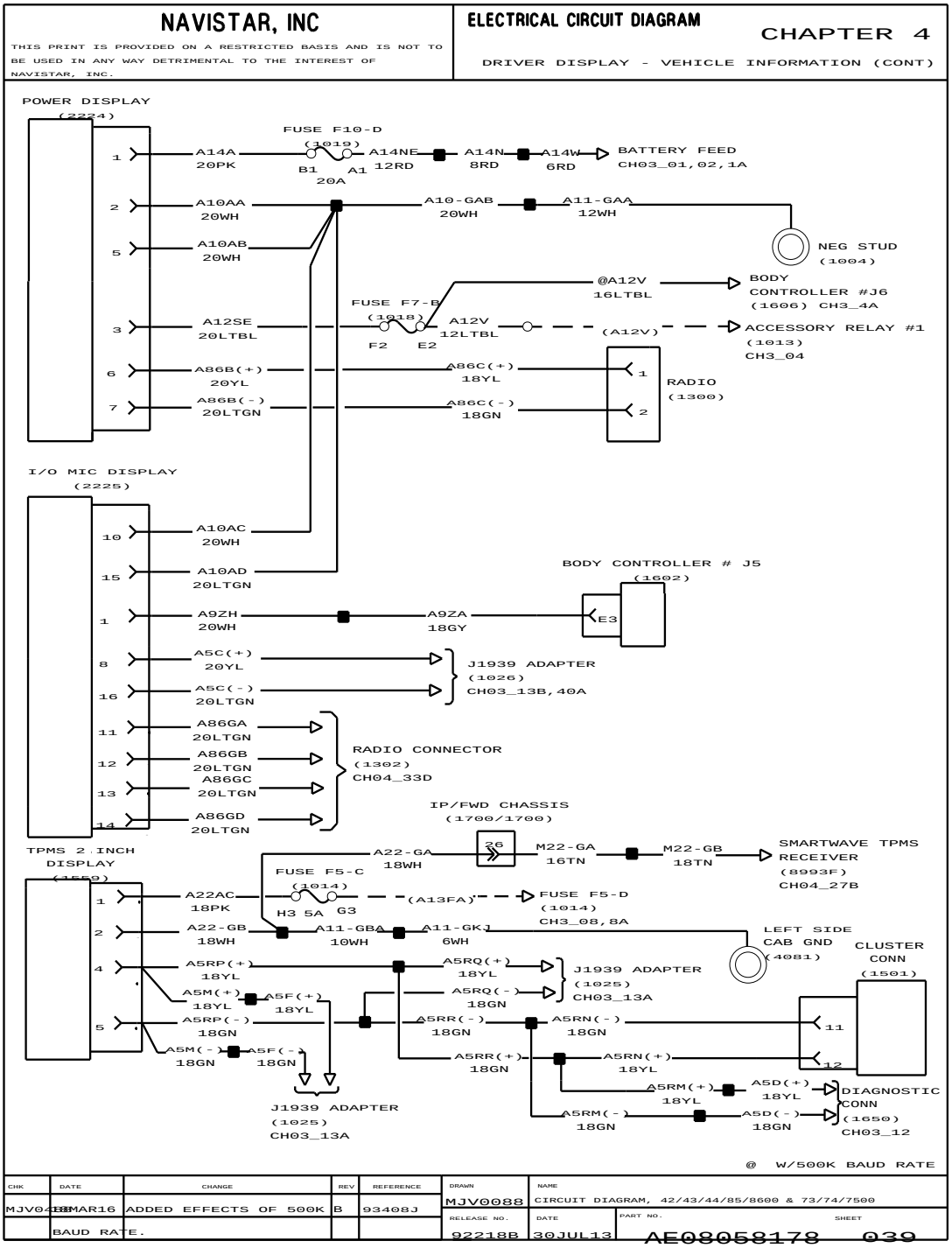

Figure 152 Driver Display – Vehicle Information (Cont.)

https://truckmanualshub.com/

4.51. DUAL POWER TAKE OFF, P. 40

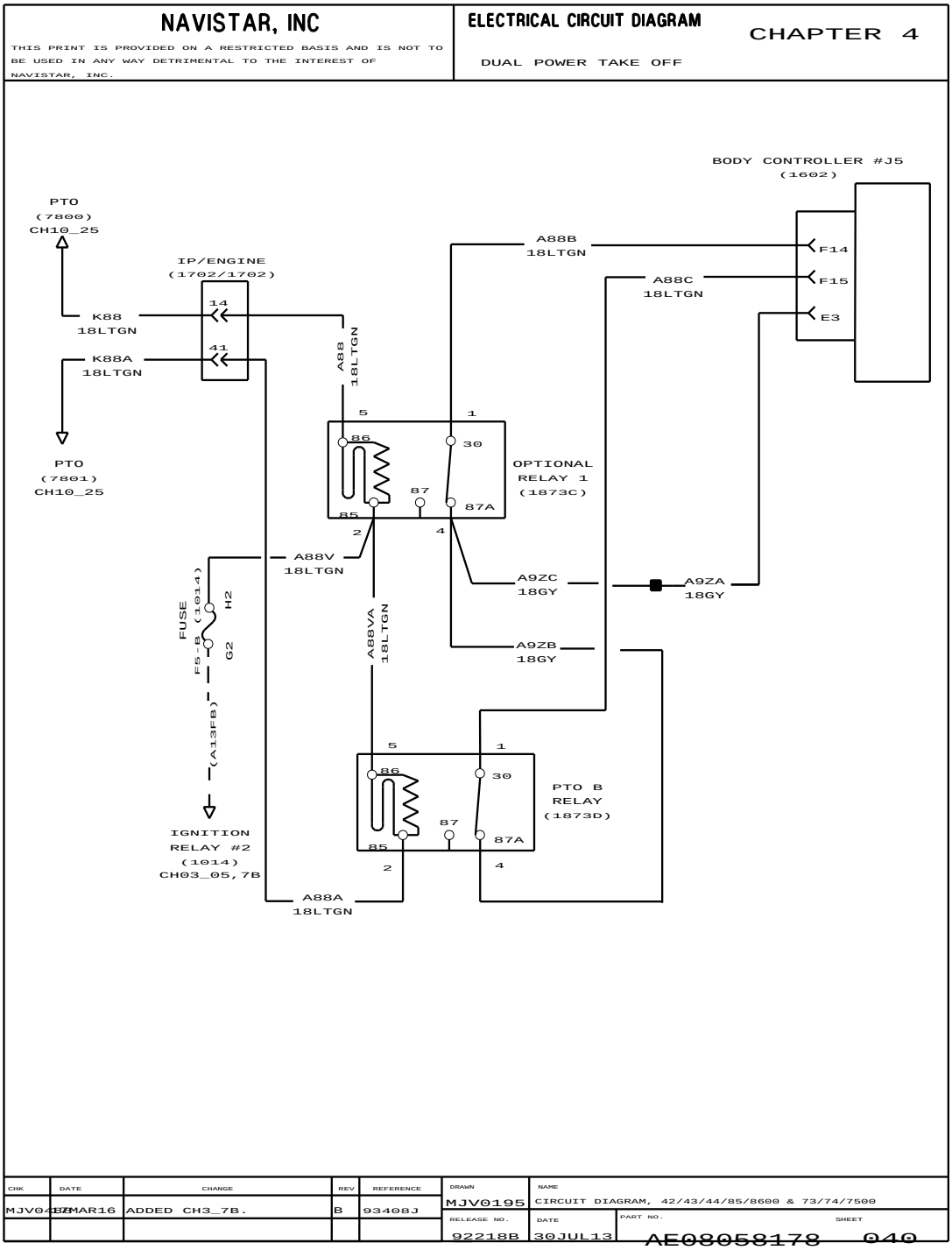

Figure 153 Dual Power Take Off

https://truckmanualshub.com/

4.52. SATELLITE COMM WITH ANTENNA, CABLE AND TRANSISTOR, P. 41

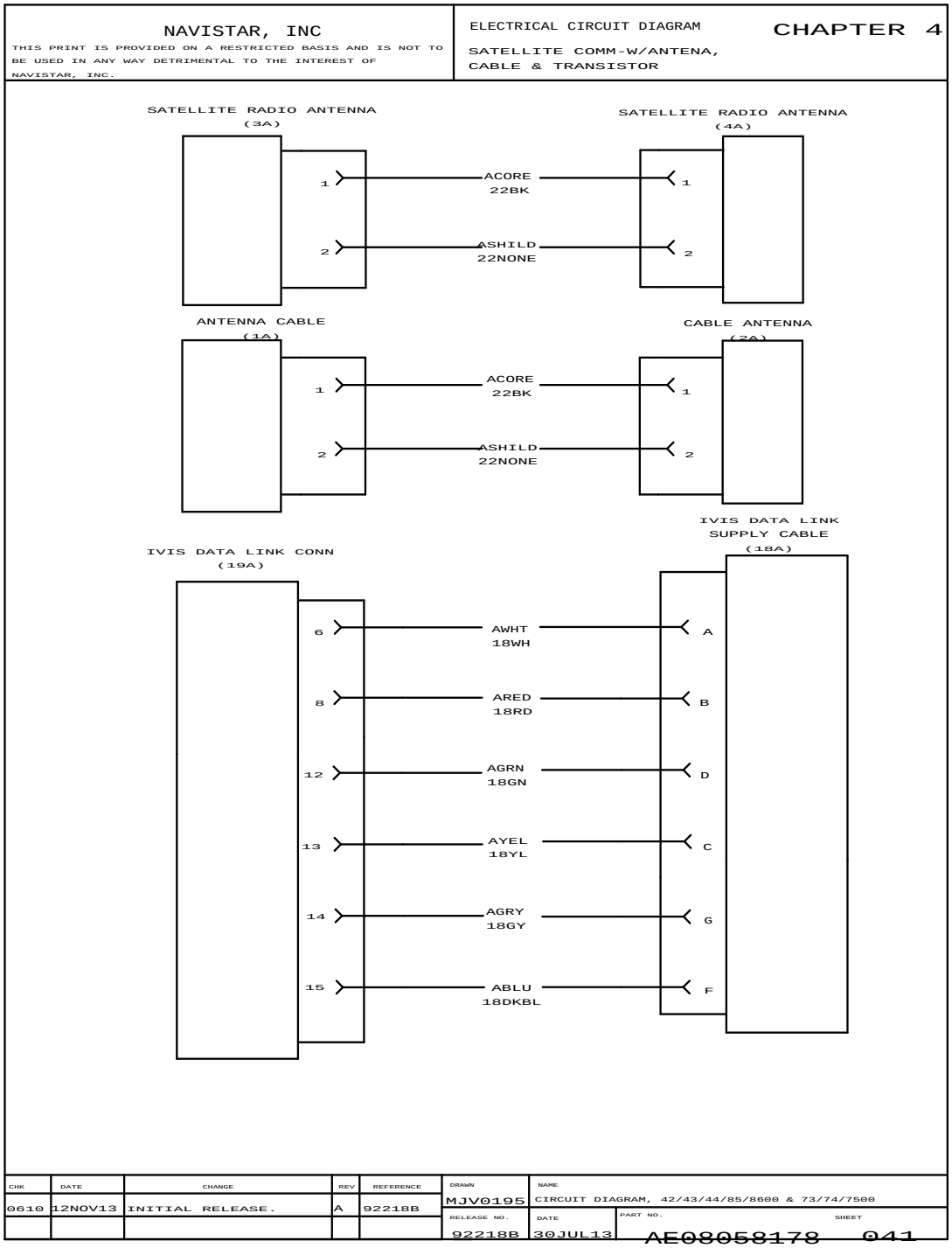

Figure 154 Satellite Comm with Antenna, Cable and Transistor

https://truckmanualshub.com/

4.53. DATA LINK TRANSLATOR, P. 42

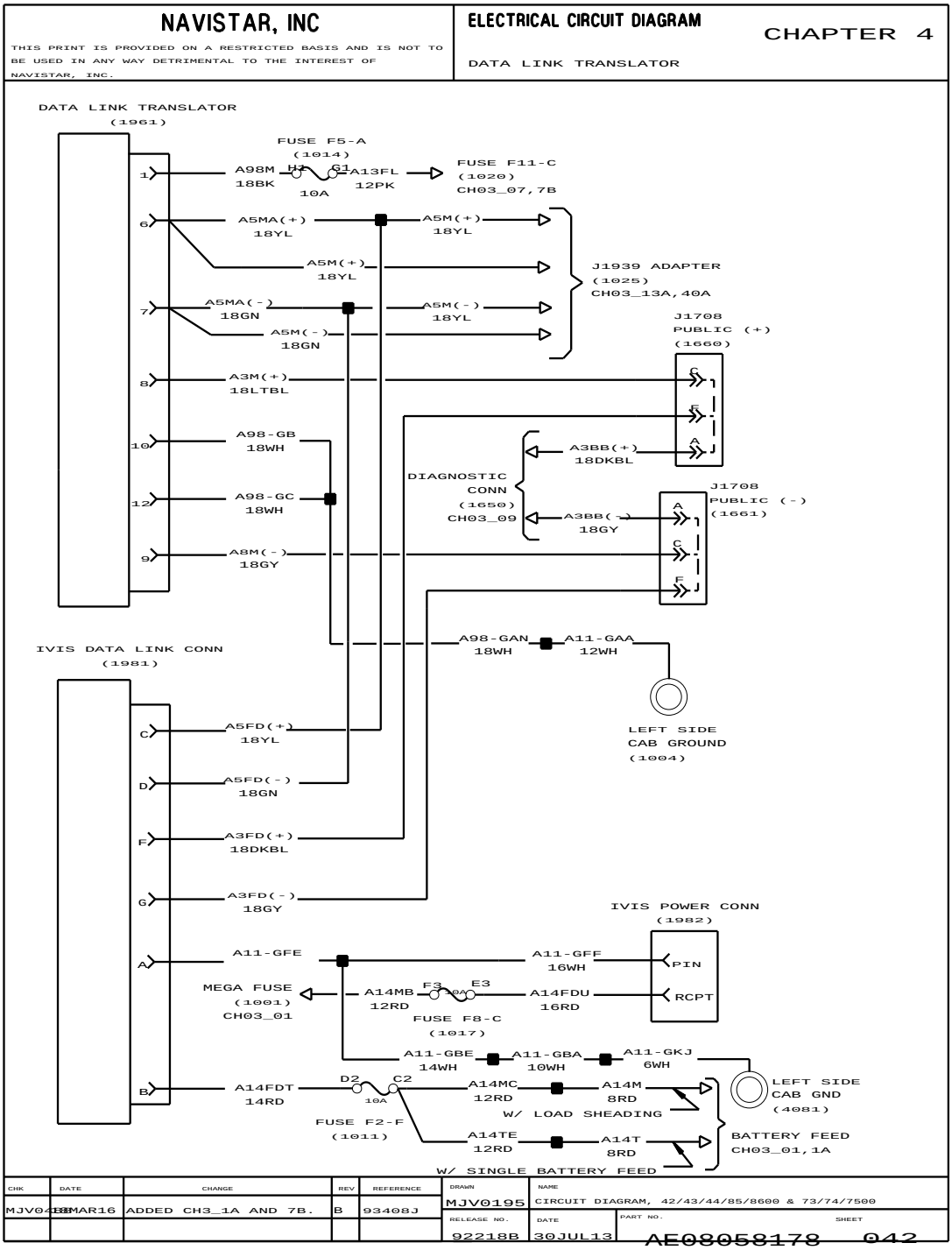

Figure 155 Data Link Translator

https://truckmanualshub.com/

4.54. PEOPLENET COMMUNICATIONS, P. 43

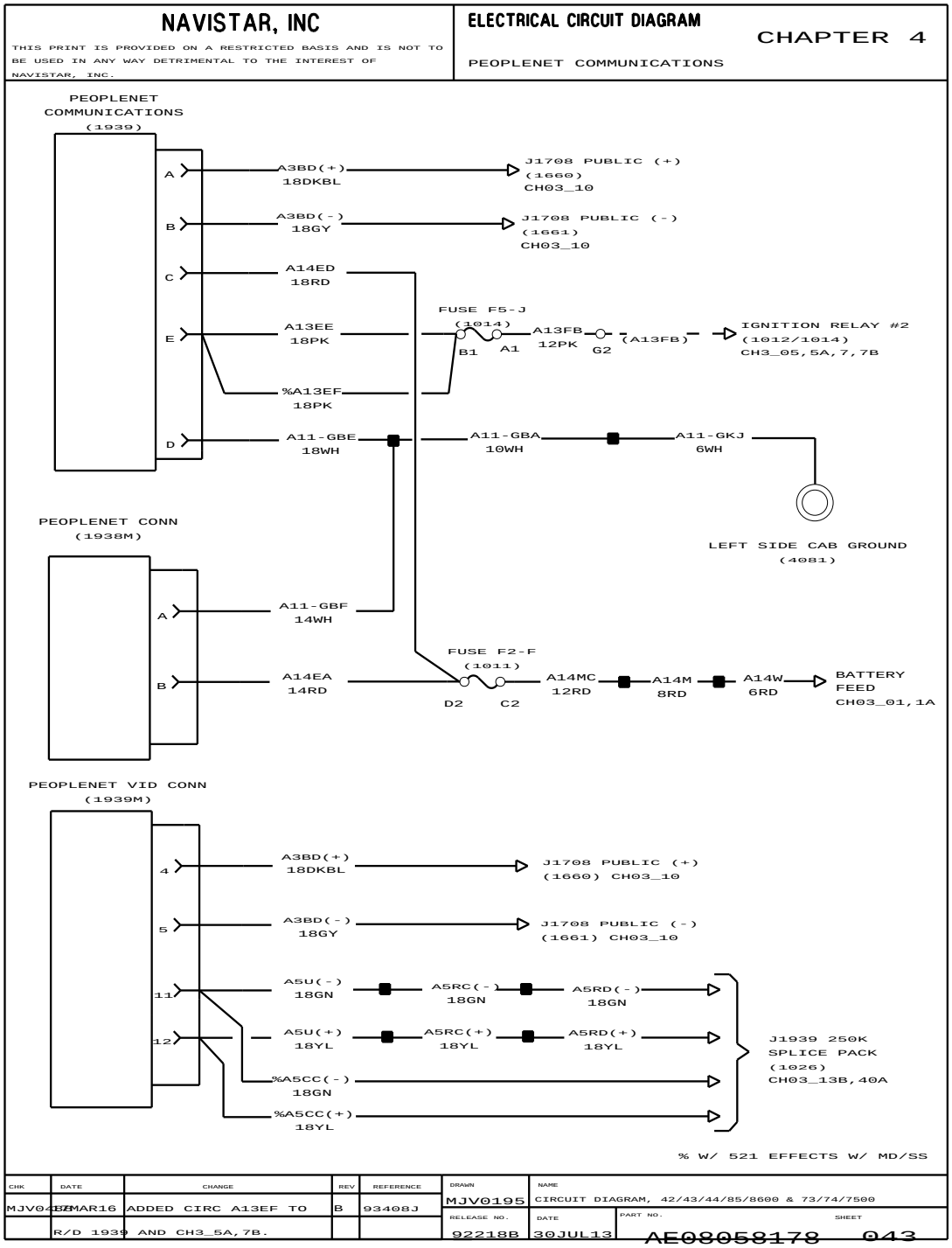

Figure 156 Peoplenet Communications

https://truckmanualshub.com/

4.55. BENDIX WINGMAN SYSTEM, P. 44

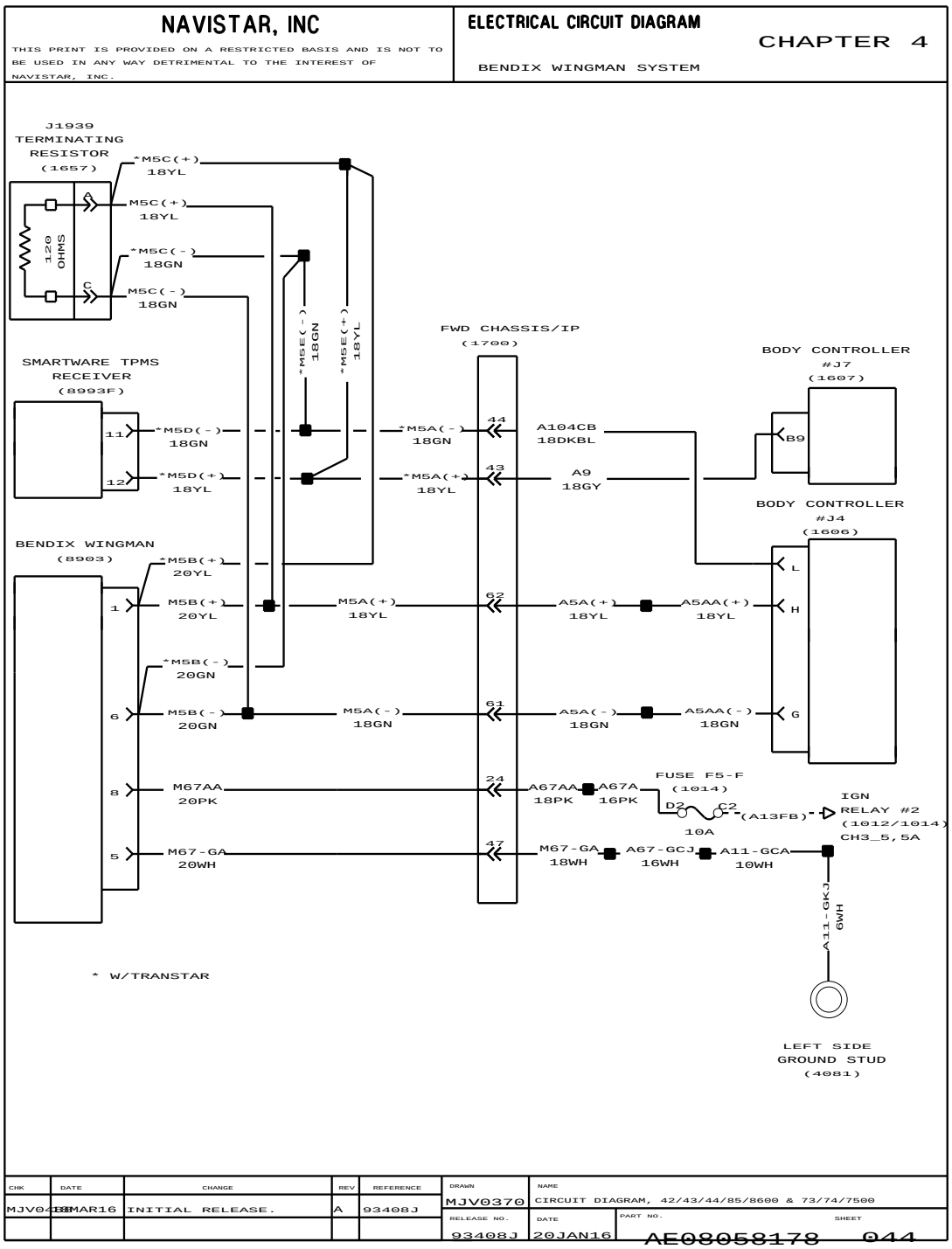

Figure 157 Bendix Wingman System

https://truckmanualshub.com/

4.56. EV DISCONNECT SWITCH WITH HIGH & LOW VISIBILITY, WITH MID & LOW CAB, WITH ISB & I6 ENGINE, P. 45

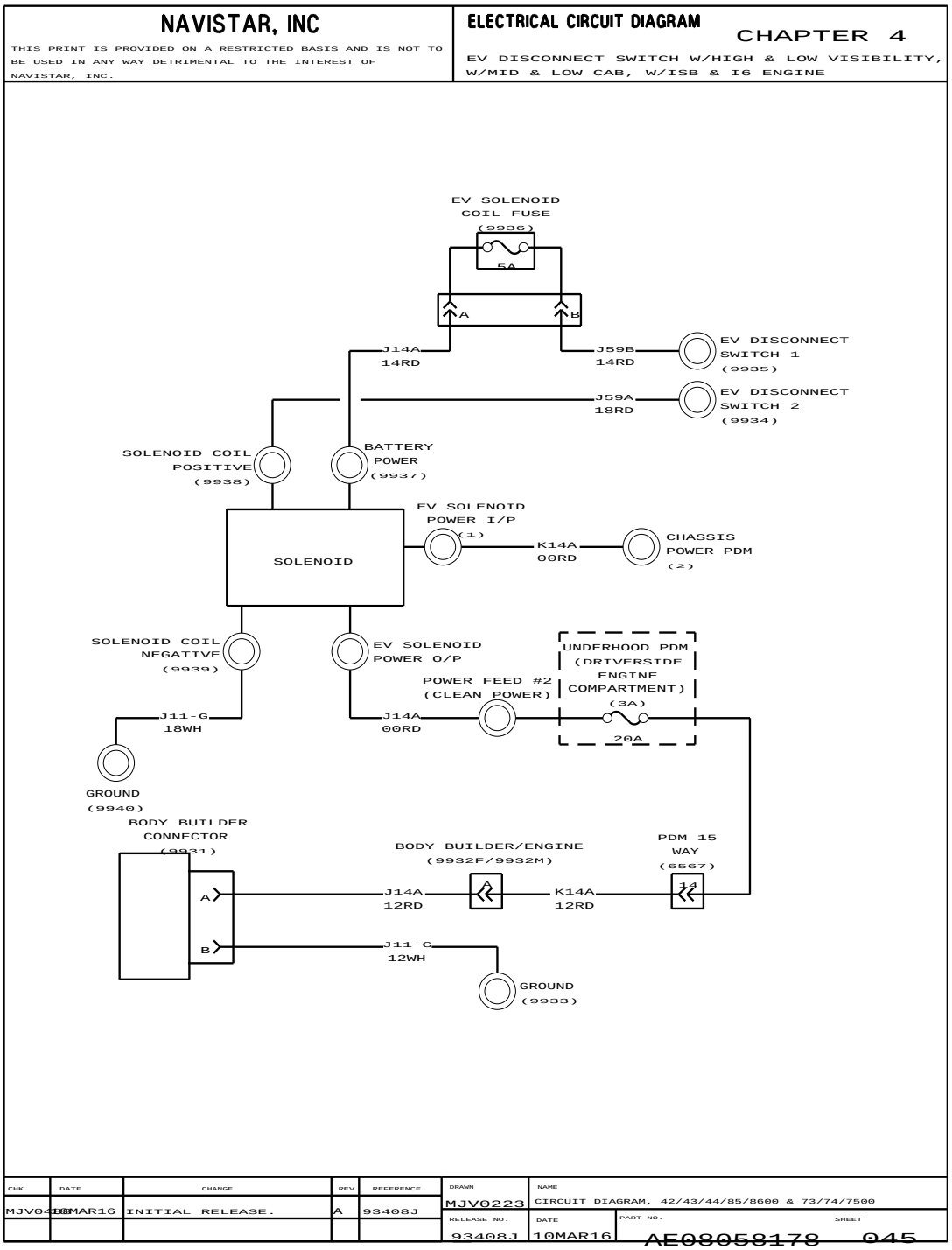

Figure 158 EV Disconnect Switch with High & Low Visibility, with Mid & Low Cab, with ISB & I6 Engine

https://truckmanualshub.com/

12V CHARGING AND CRANKING SYSTEM (CHAPTER 5)

5.1. STARTING AND CRANKING I6 / V8 ENGINES WITH MANUAL TRANSMISSION, P. 1

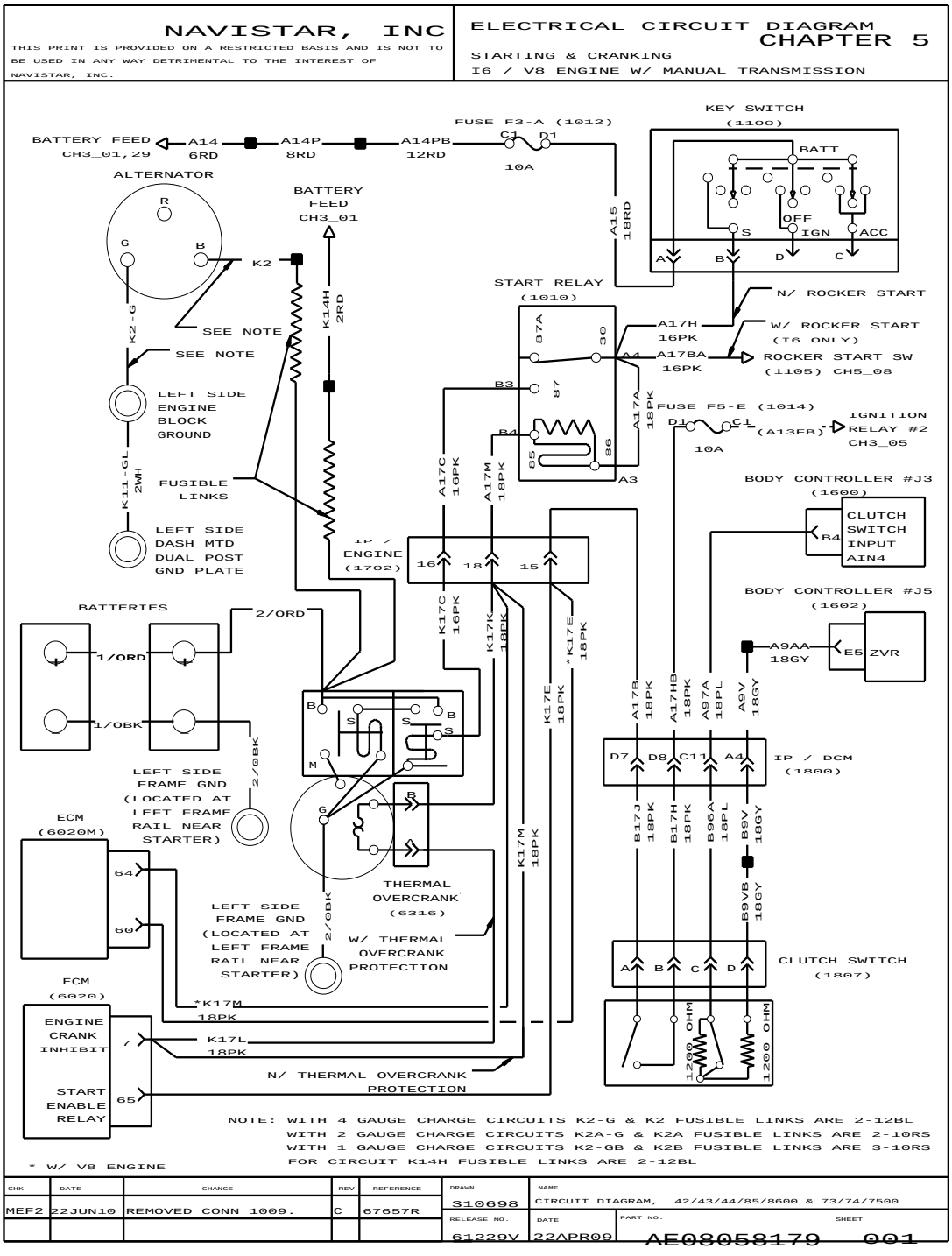

Figure 159 Starting and Cranking I6 / V8 Engines with Manual Transmission

https://truckmanualshub.com/

5.2. STARTING AND CRANKING CUMMINS ISB ENGINE WITH MANUAL TRANSMISSION, P. 1A

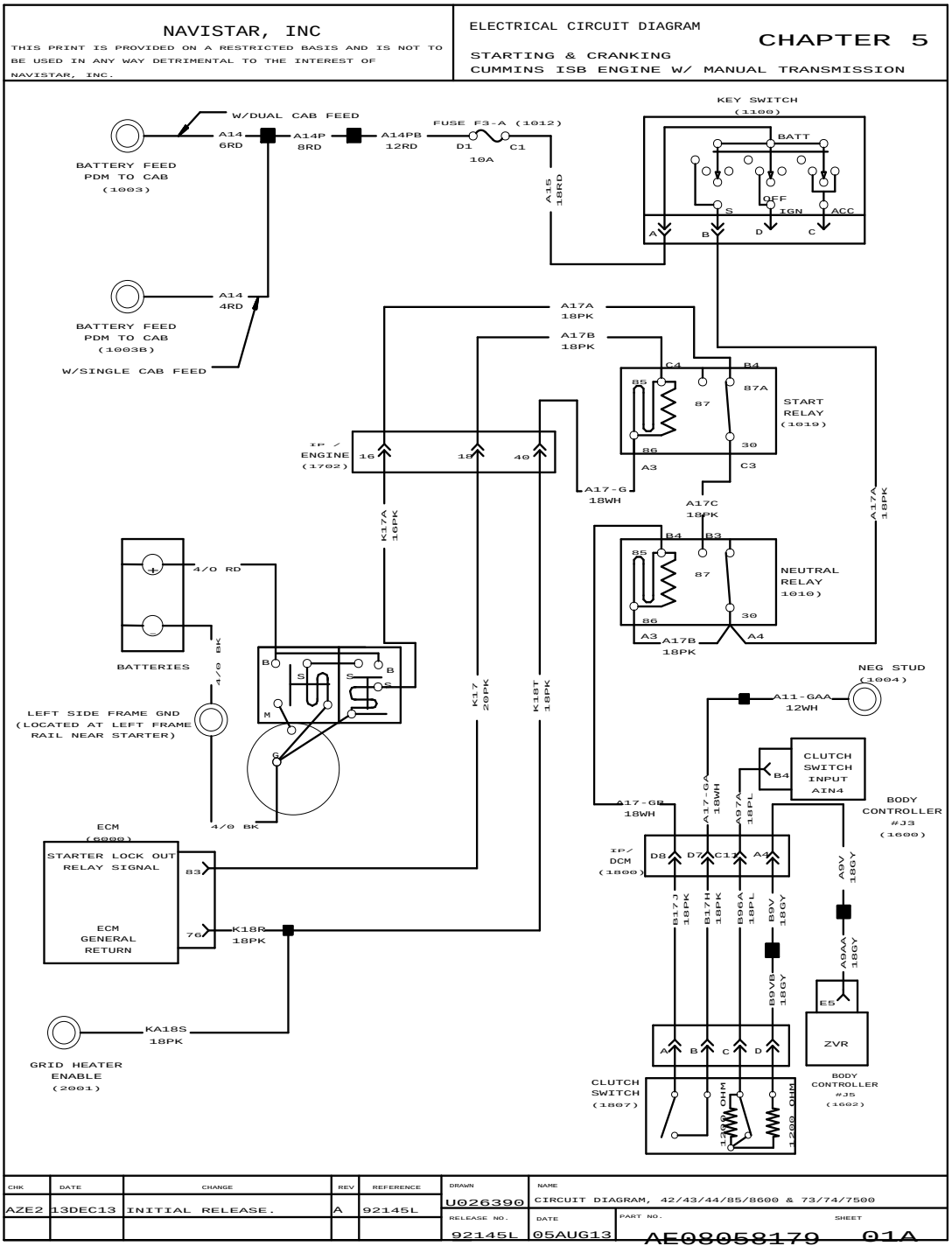

Figure 160 Starting and Cranking Cummins ISB Engine with Manual Transmission

https://truckmanualshub.com/

5.3. STARTING AND CRANKING IBB ENGINE WITH MANUAL TRANSMISSION, P. 2

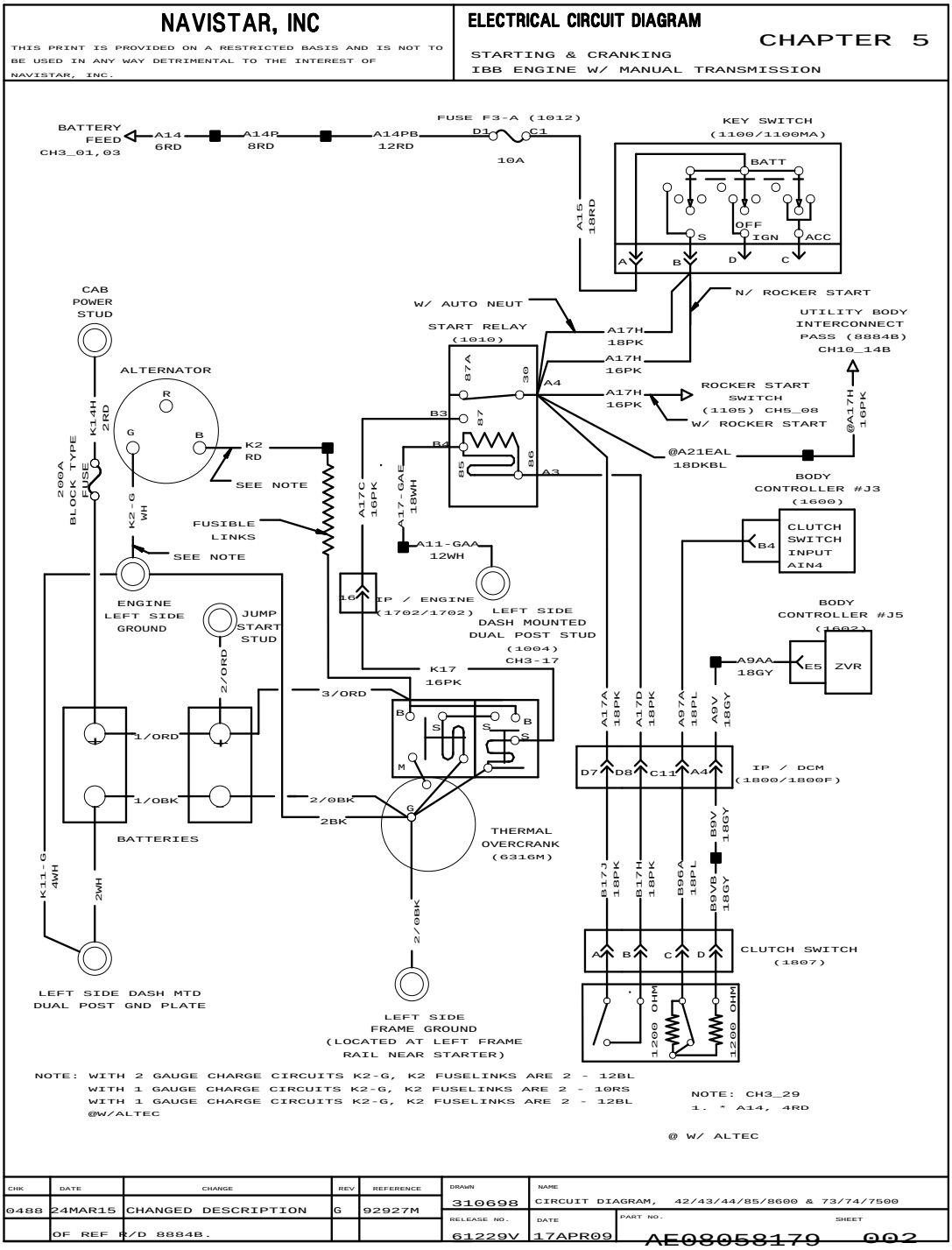

Figure 161 Starting and Cranking IBB Engine with Manual Transmission

https://truckmanualshub.com/

5.4. STARTING AND CRANKING I6 AND V8 ENGINE WITH ALLISON TRANSMISSION, P. 3

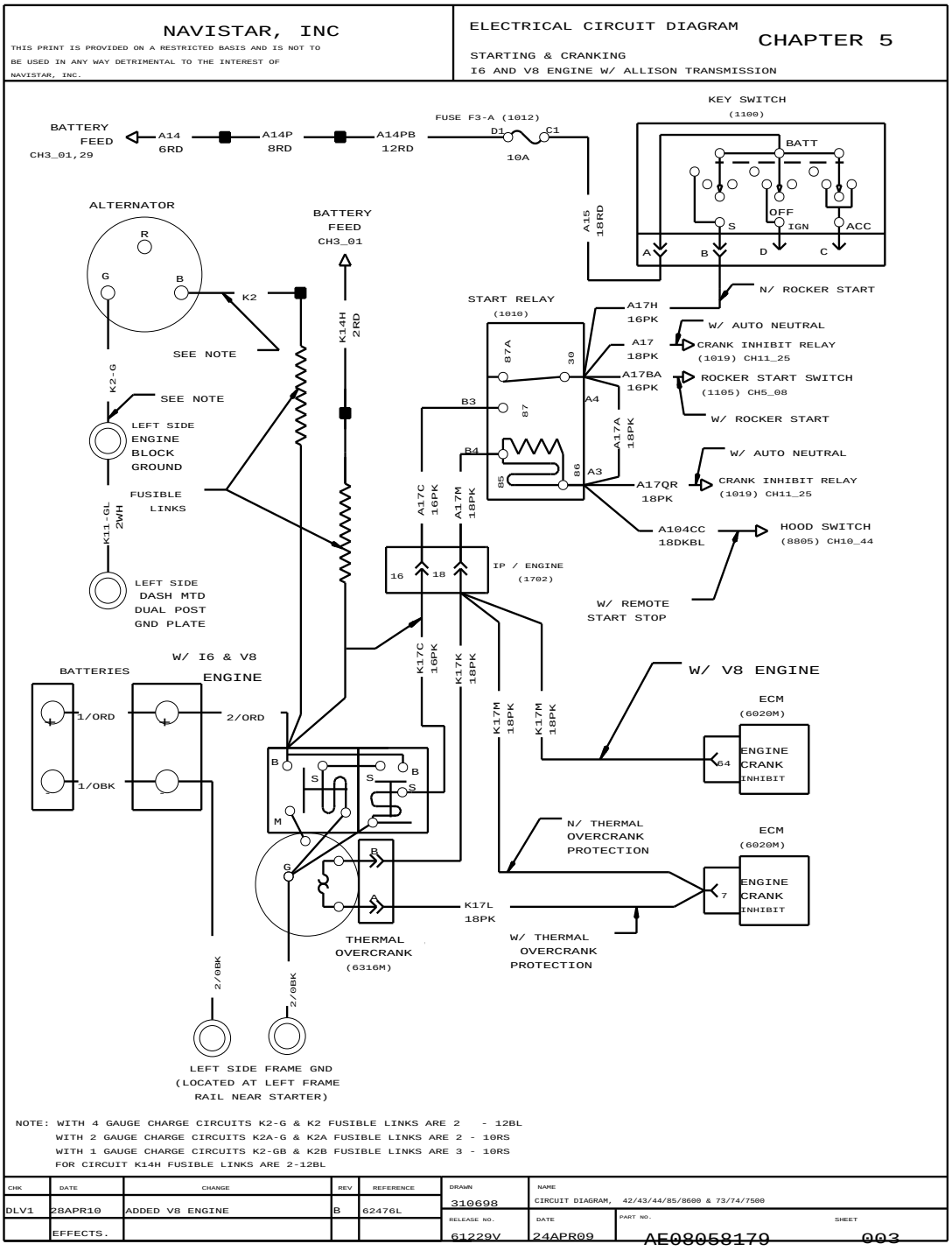

Figure 162 Starting and Cranking I6 and V8 Engine with Allison Transmission

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5.5. STARTING AND CRANKING CUMMINS ISB ENGINE WITH ALLISON TRANSMISSION, P. 3A

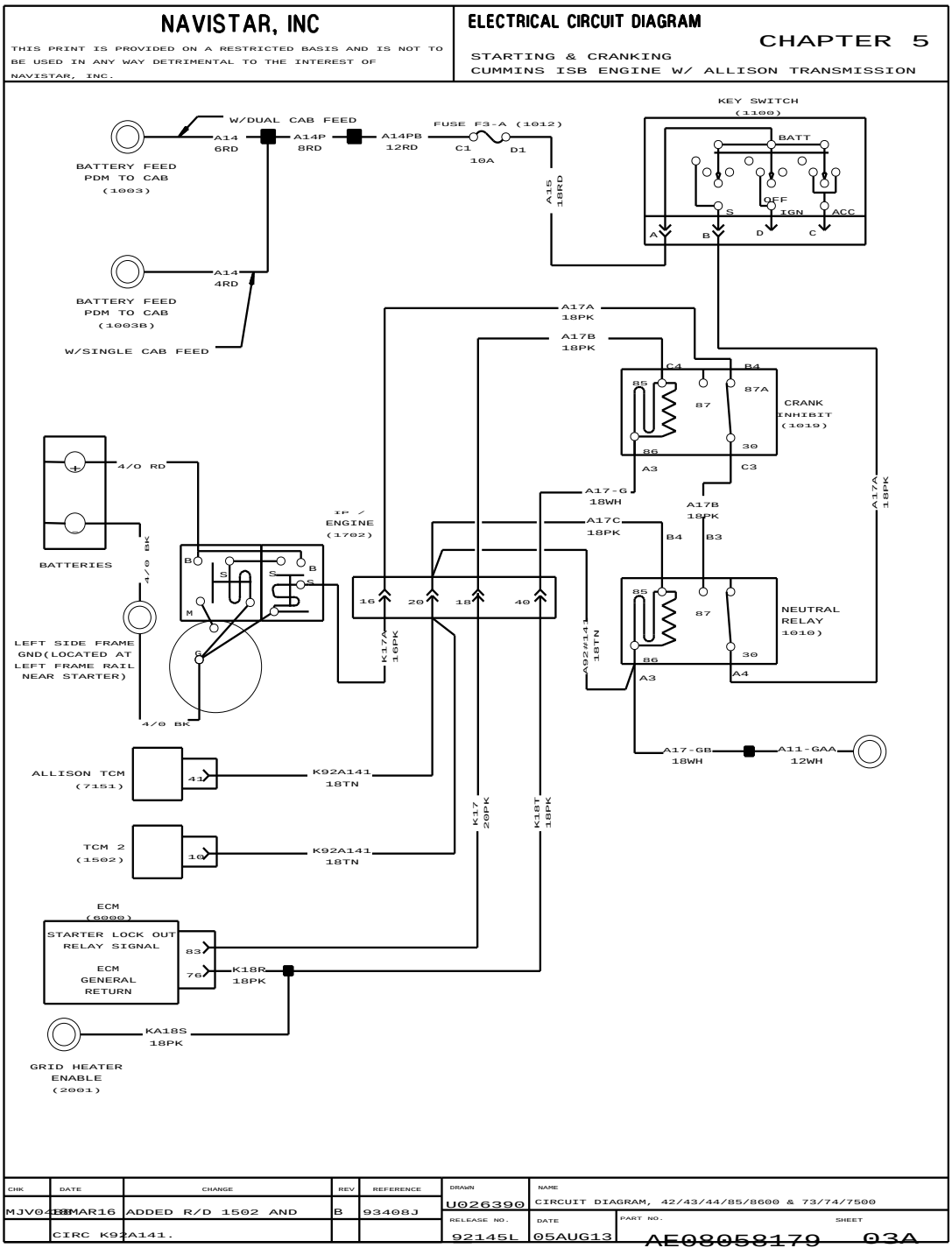

Figure 163 Starting and Cranking Cummins ISB Engine with Allison Transmission

https://truckmanualshub.com/

5.6. STARTING AND CRANKING CUMMINS ISB ENGINE WITH ALLISON TRANSMISSION (CONT.), P. 3B

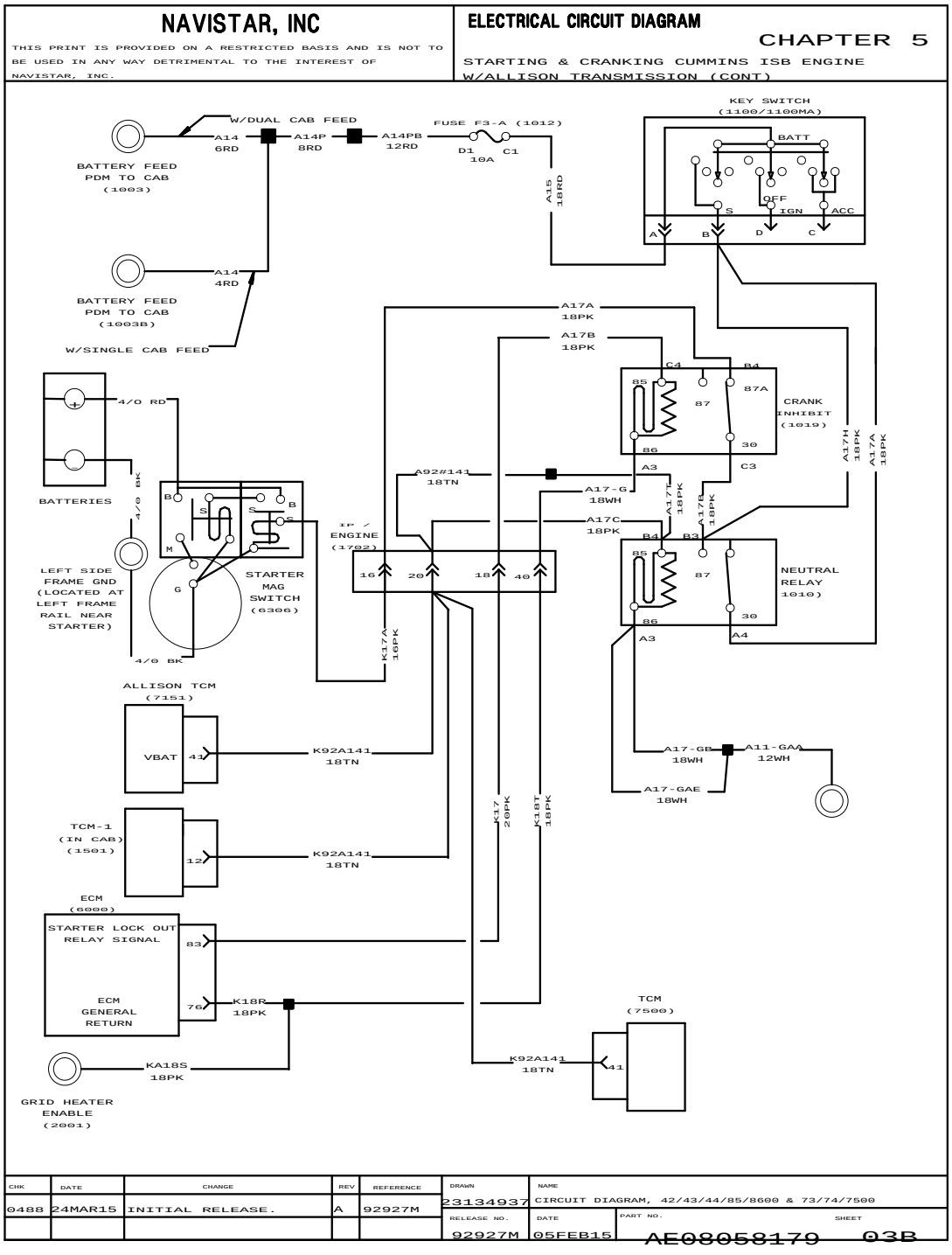

Figure 164 Starting and Cranking Cummins ISB Engine with Allison Transmission (Cont.)

https://truckmanualshub.com/

5.7. STARTING AND CRANKING IBB ENGINE WITH ALLISON TRANSMISSION, P. 4

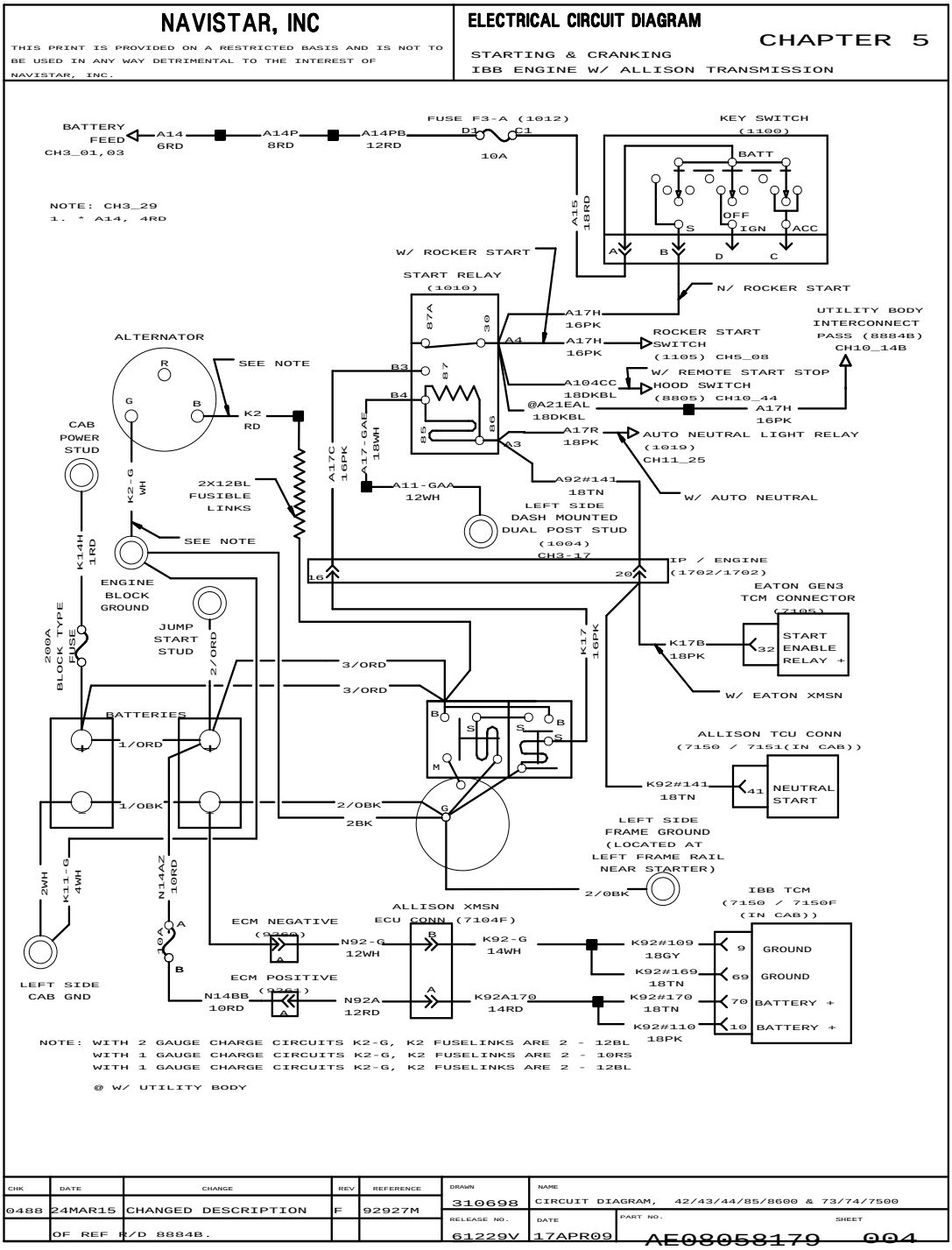

Figure 165 Starting and Cranking IBB Engine with Allison Transmission

https://truckmanualshub.com/

5.8. STARTING AND CRANKING I6 ENGINE WITH AUTOSHIFT, ULTRASHIFT TRANSMISSION AND EATON HYBRID , P. 5

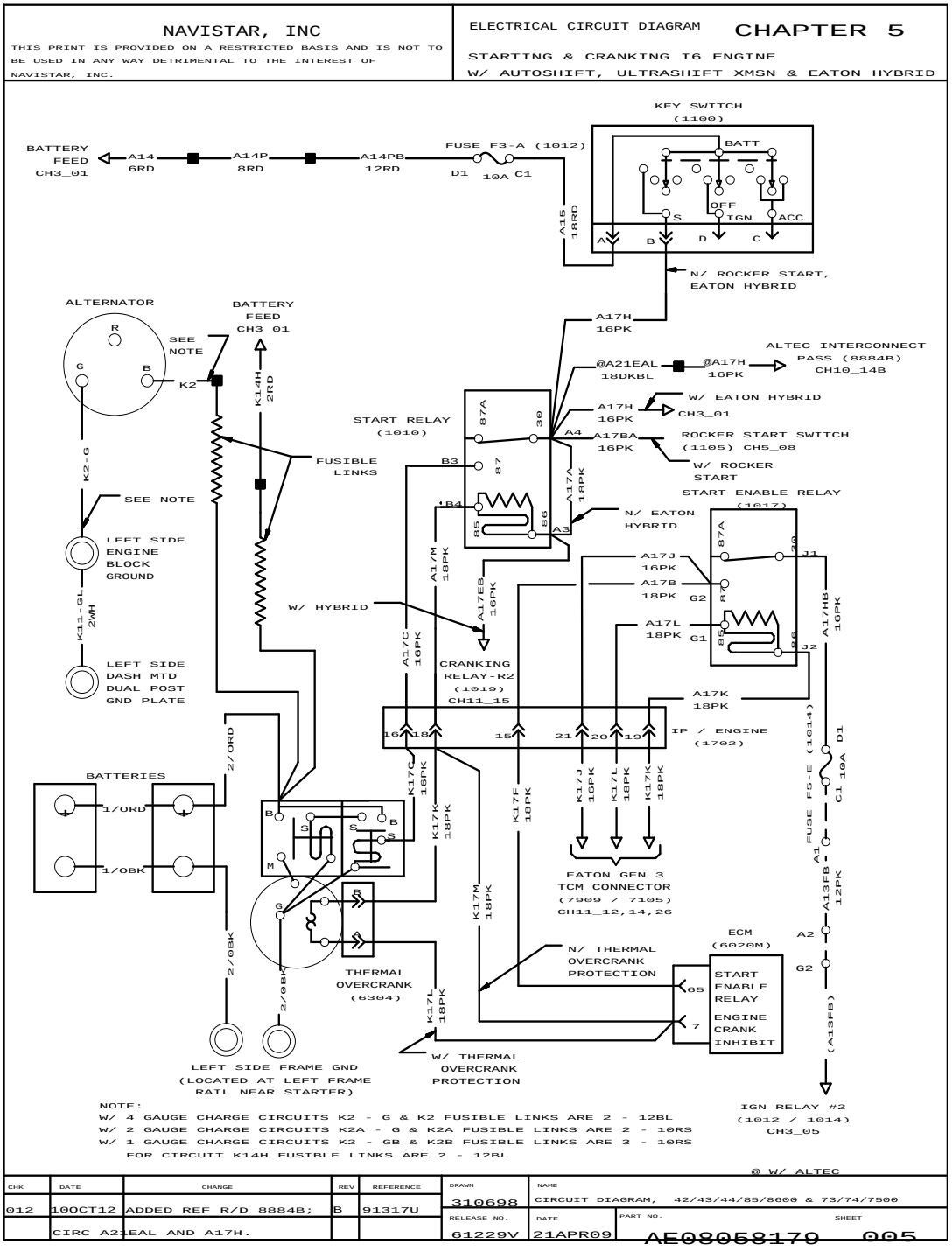

Figure 166 Starting and Cranking I6 Engine with Autoshift, Ultrashift Transmission and Eaton Hybrid

https://truckmanualshub.com/

5.9. STARTING AND CRANKING IBB ENGINES WITH AUTOSHIFT ULTRASHIFT , P. 6

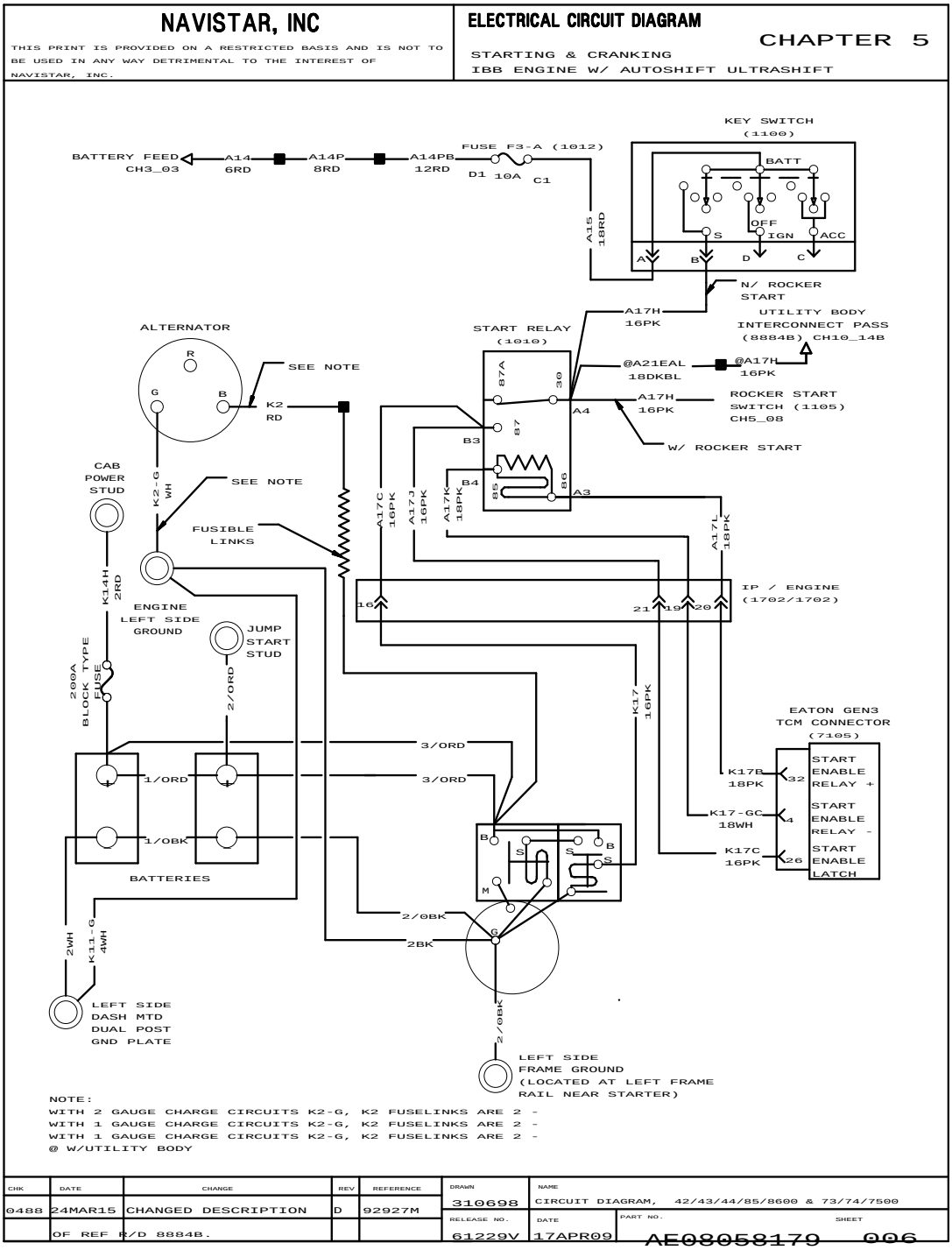

Figure 167 Starting and Cranking IBB Engines with Autoshift Ultrashift

https://truckmanualshub.com/

5.10. I6 POWER PACK, P. 7

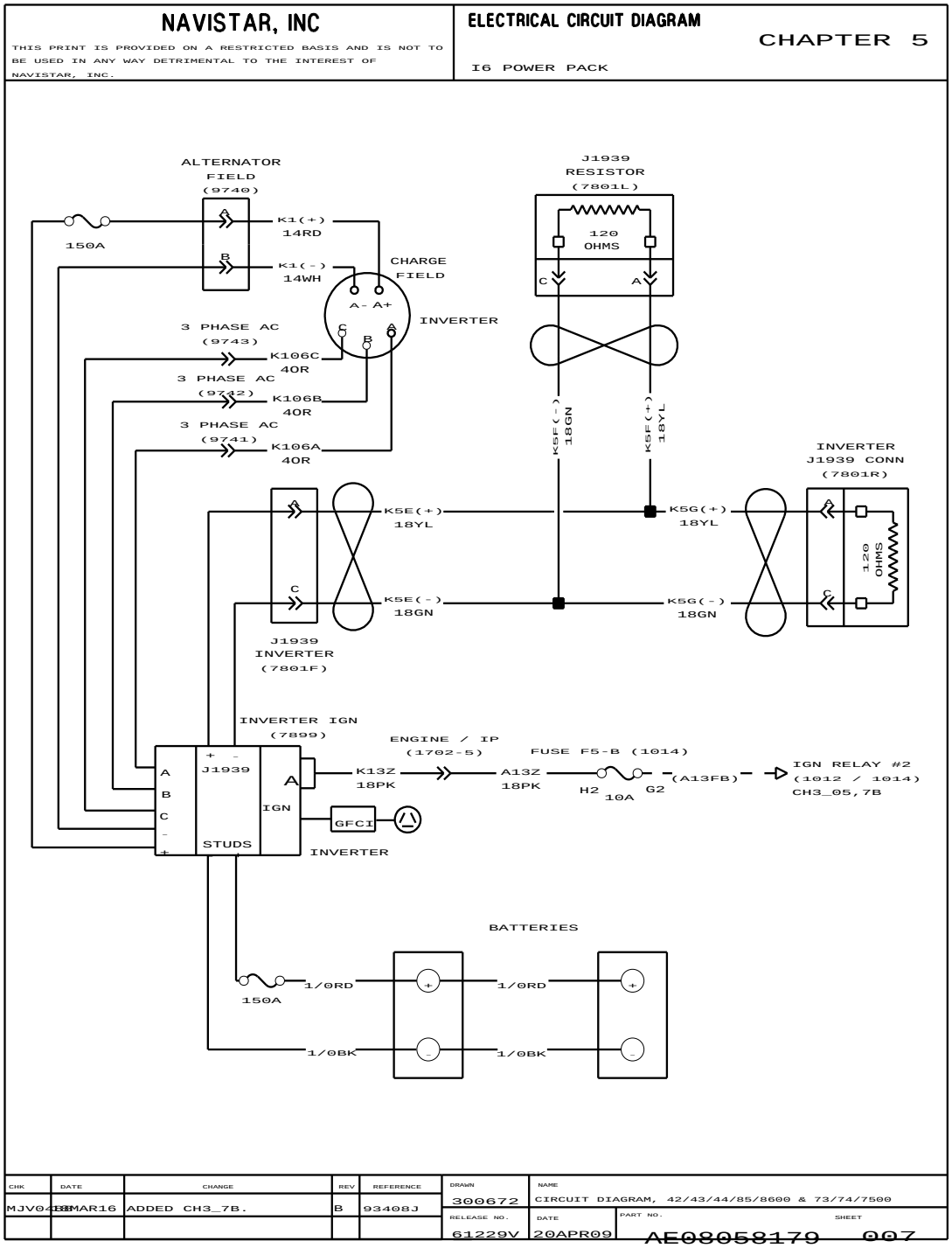

Figure 168 I6 Power Pack

https://truckmanualshub.com/

5.11. ROCKER START, P. 8

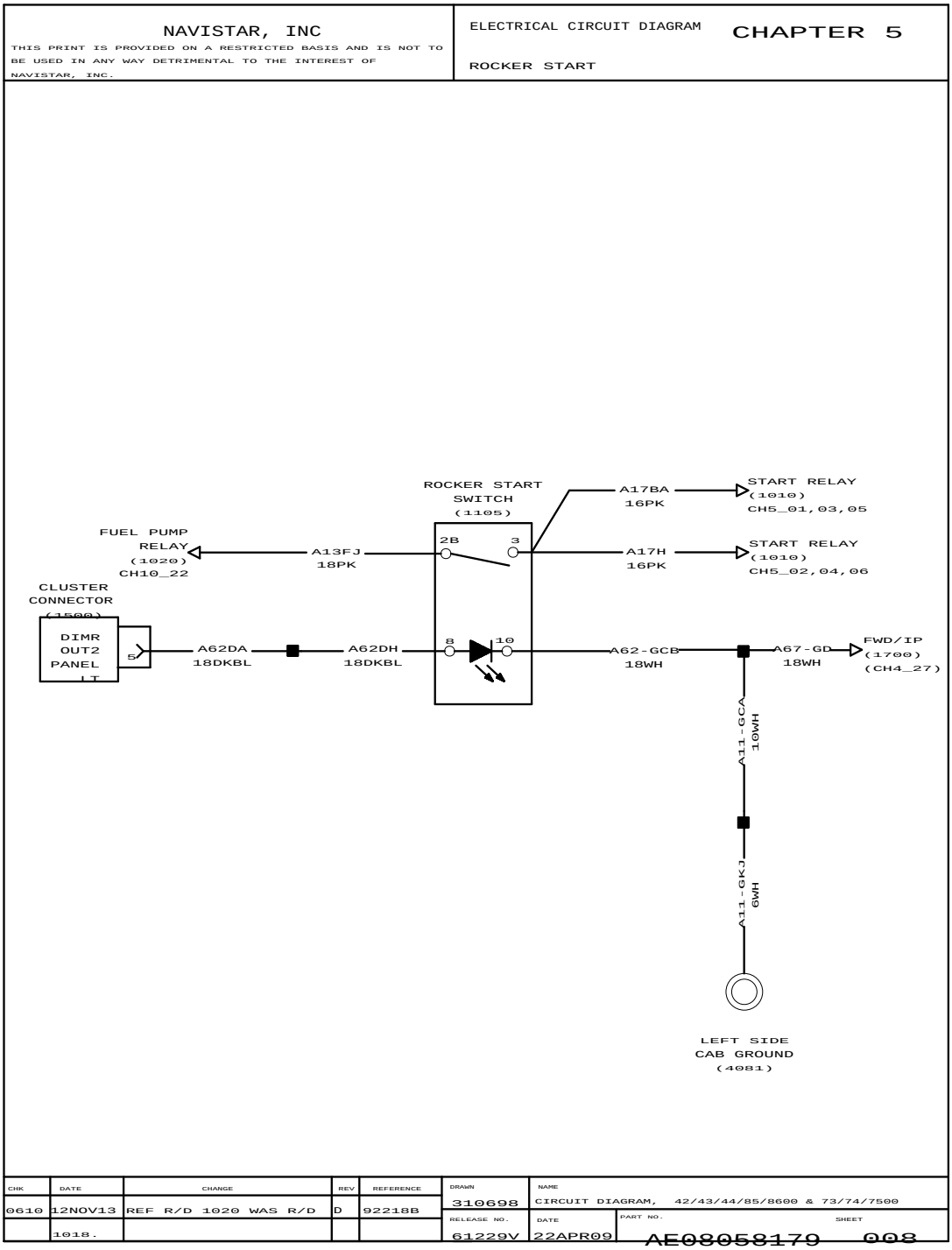

Figure 169 Rocker Start

https://truckmanualshub.com/

5.12. STARTING AND CRANKING ISL–G ENGINE WITH ALLISON TRANSMISSION, P. 9

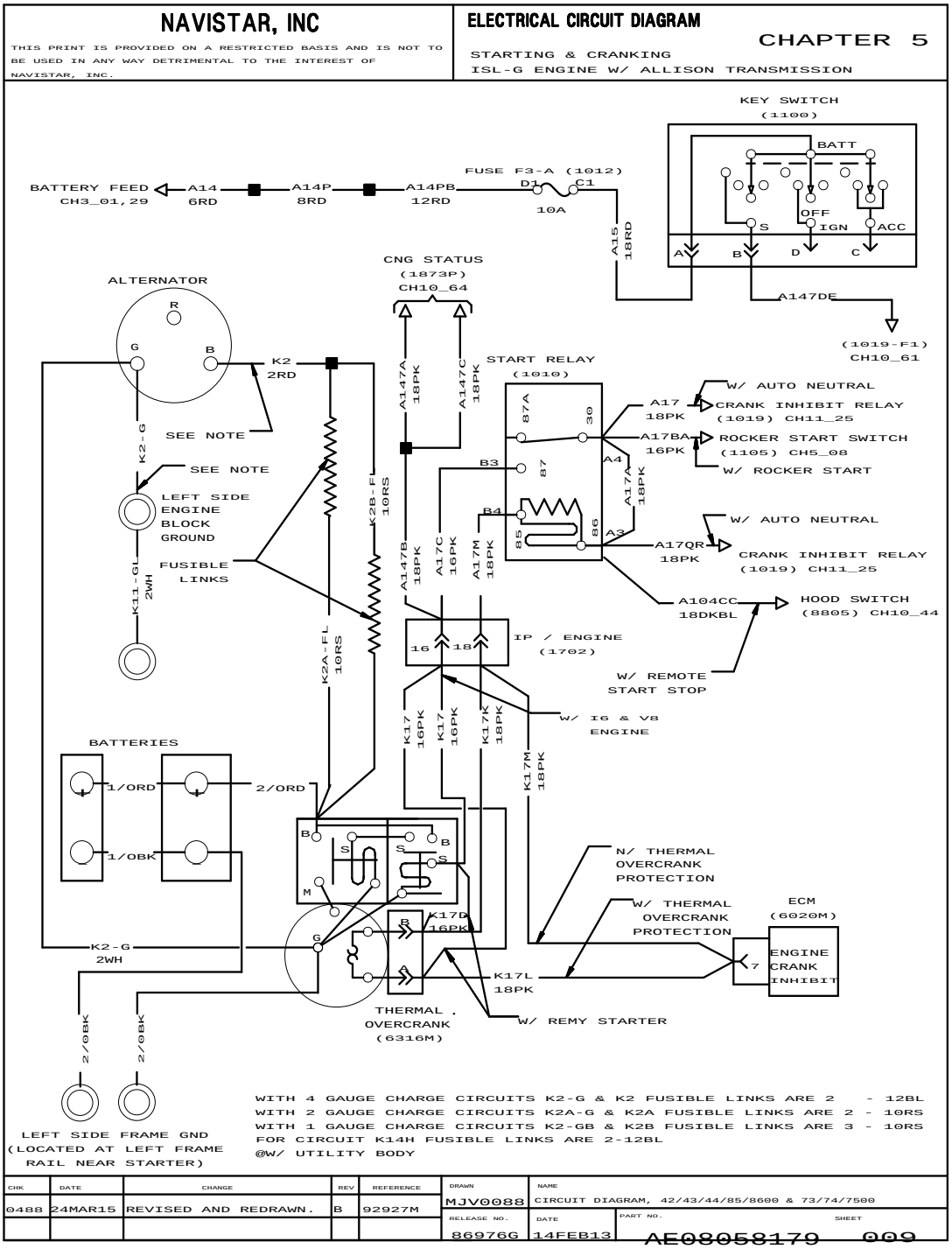

Figure 170 Starting and Cranking ISL–G Engine with Allison Transmission

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5.13. STARTER – ALTERNATOR CONNECTIONS, P. 10

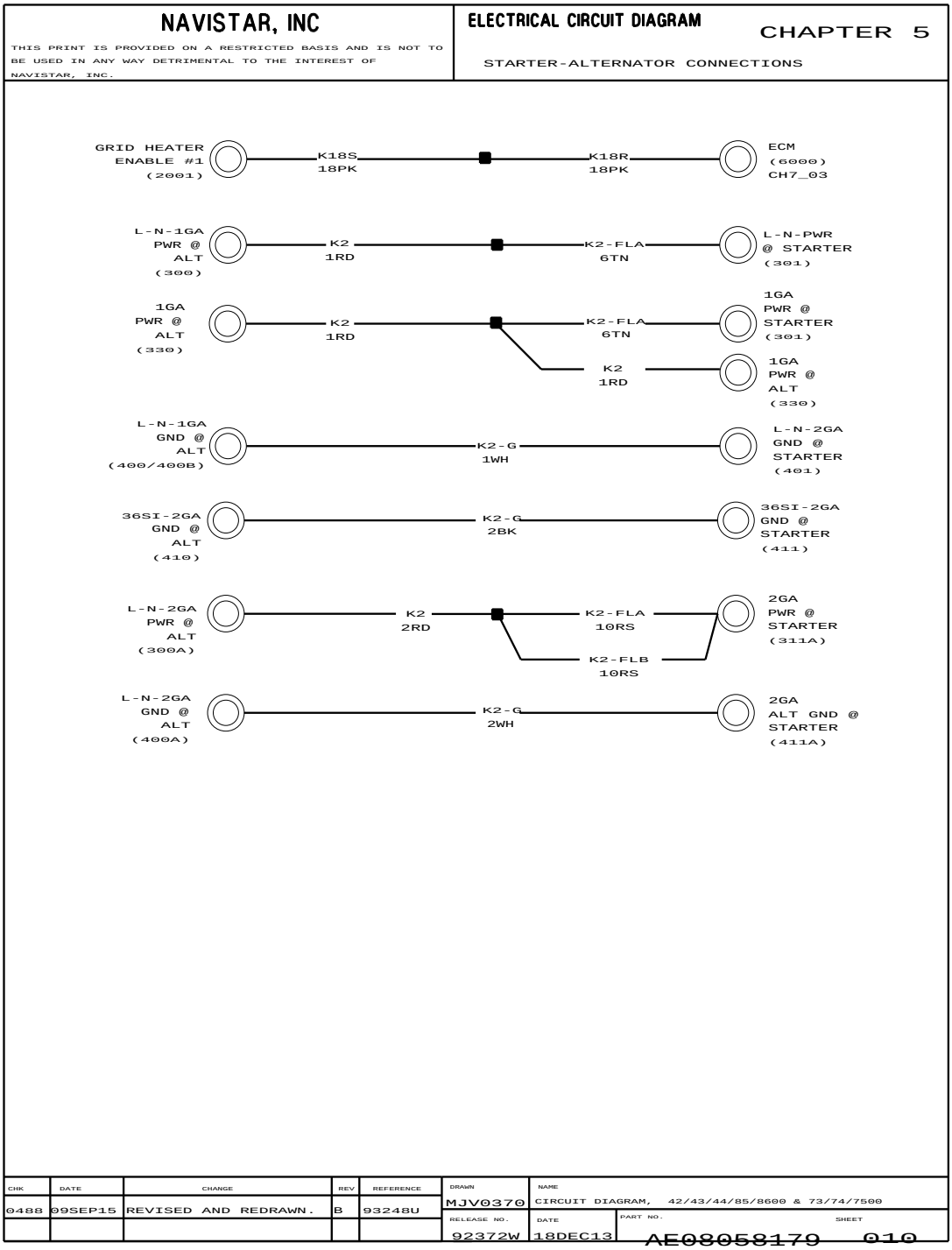

Figure 171 Starter – Alternator Connections

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5.14. ENGINE STARTING AND CRANKING WITH CUMMINS ISB, P. 11

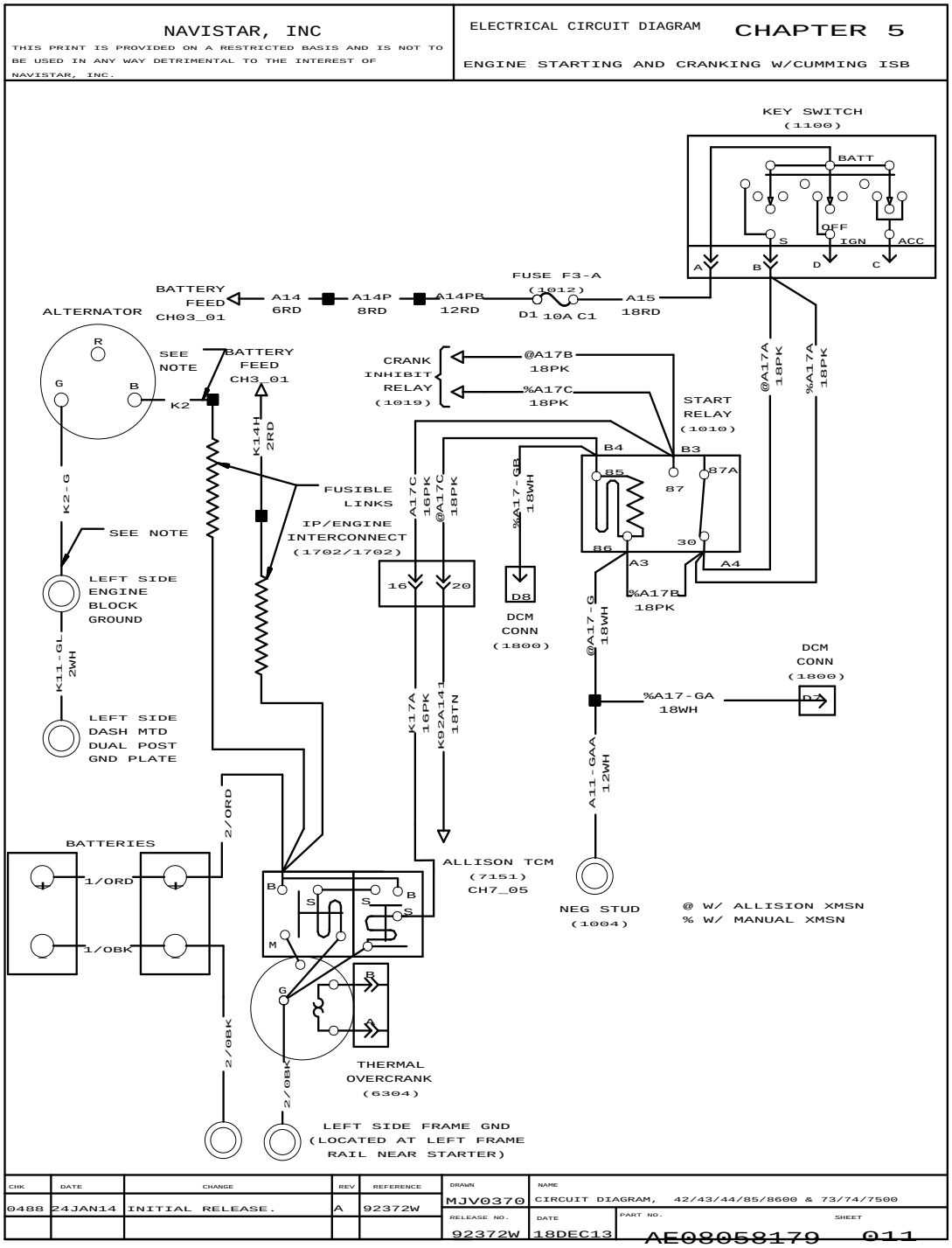

Figure 172 Engine Starting and Cranking with Cummins ISB

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5.15. STARTING & CRANKING WITH I6, I-367 ENGINE, P. 12

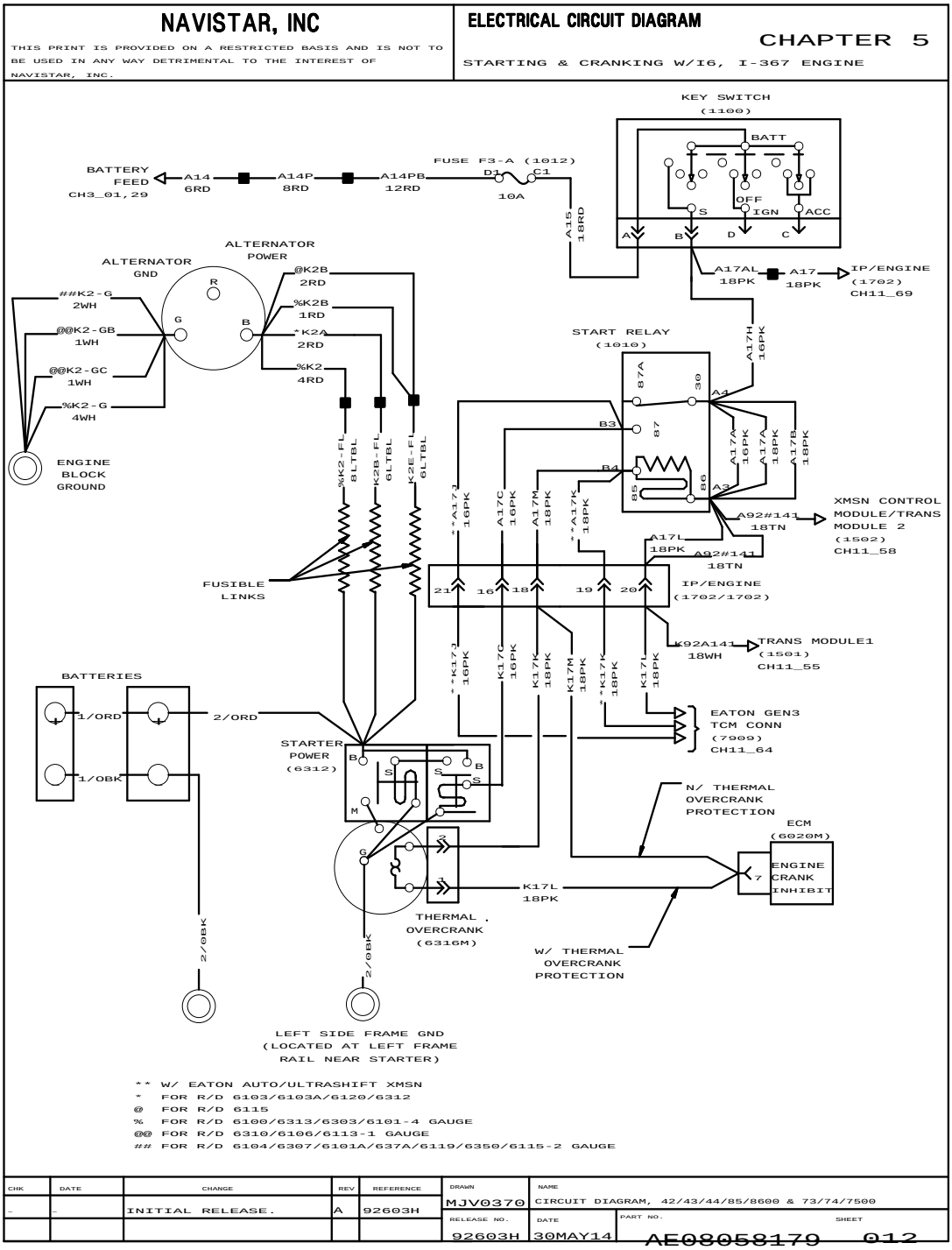

Figure 173 Starting & Cranking With I6, I-367 Engine

https://truckmanualshub.com/

5.16. STARTER CONTROL WITH CUMMINS ISB ENGINE WITH ULTRASHIFT TRANSMISSION, P. 13

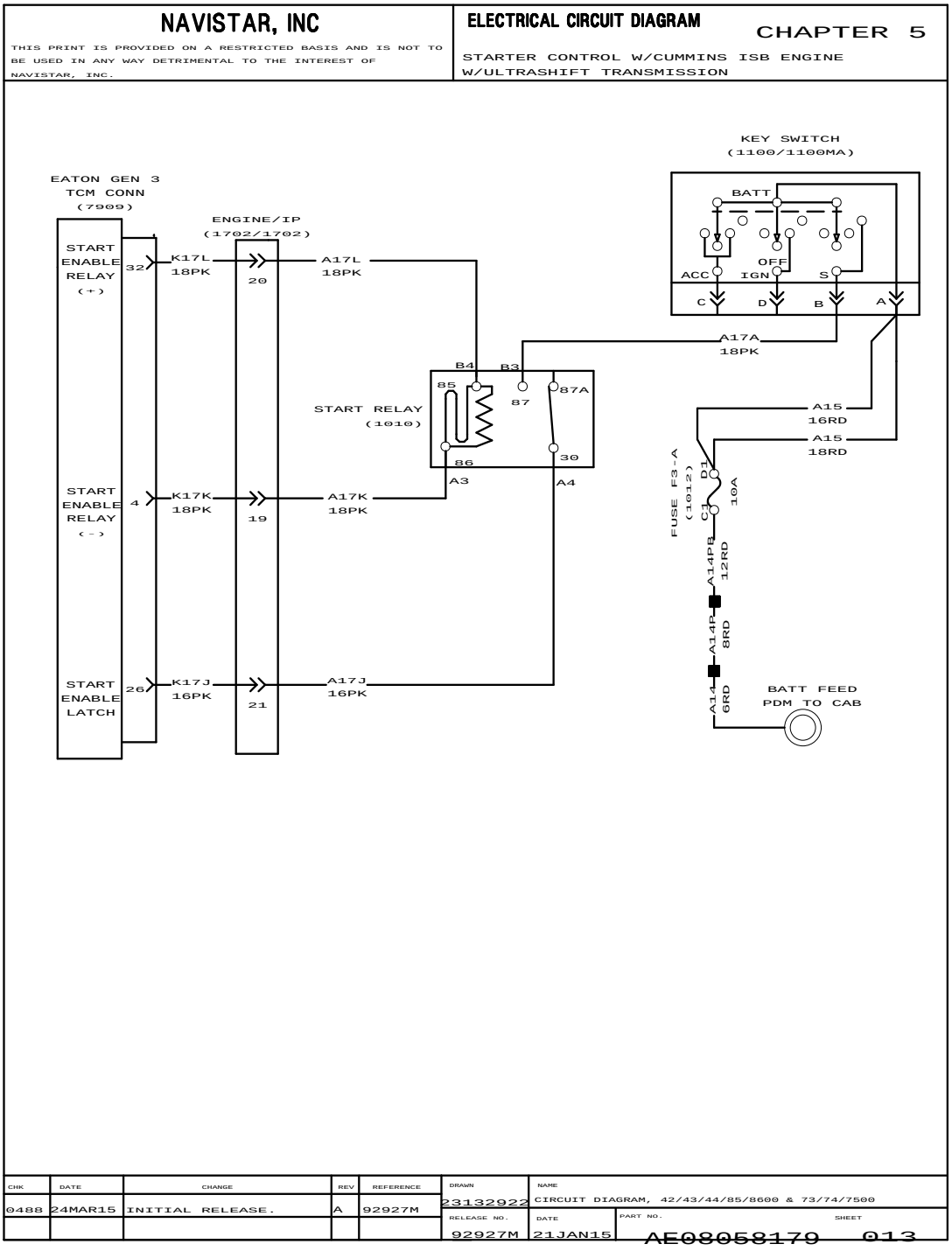

Figure 174 Starter Control with Cummins ISB Engine with Ultrashift Transmission

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5.17. STARTER CONTROL WITH ISB ENGINE WITH ALLISON TRANSMISSION WITH UTILITY BODY, P. 14

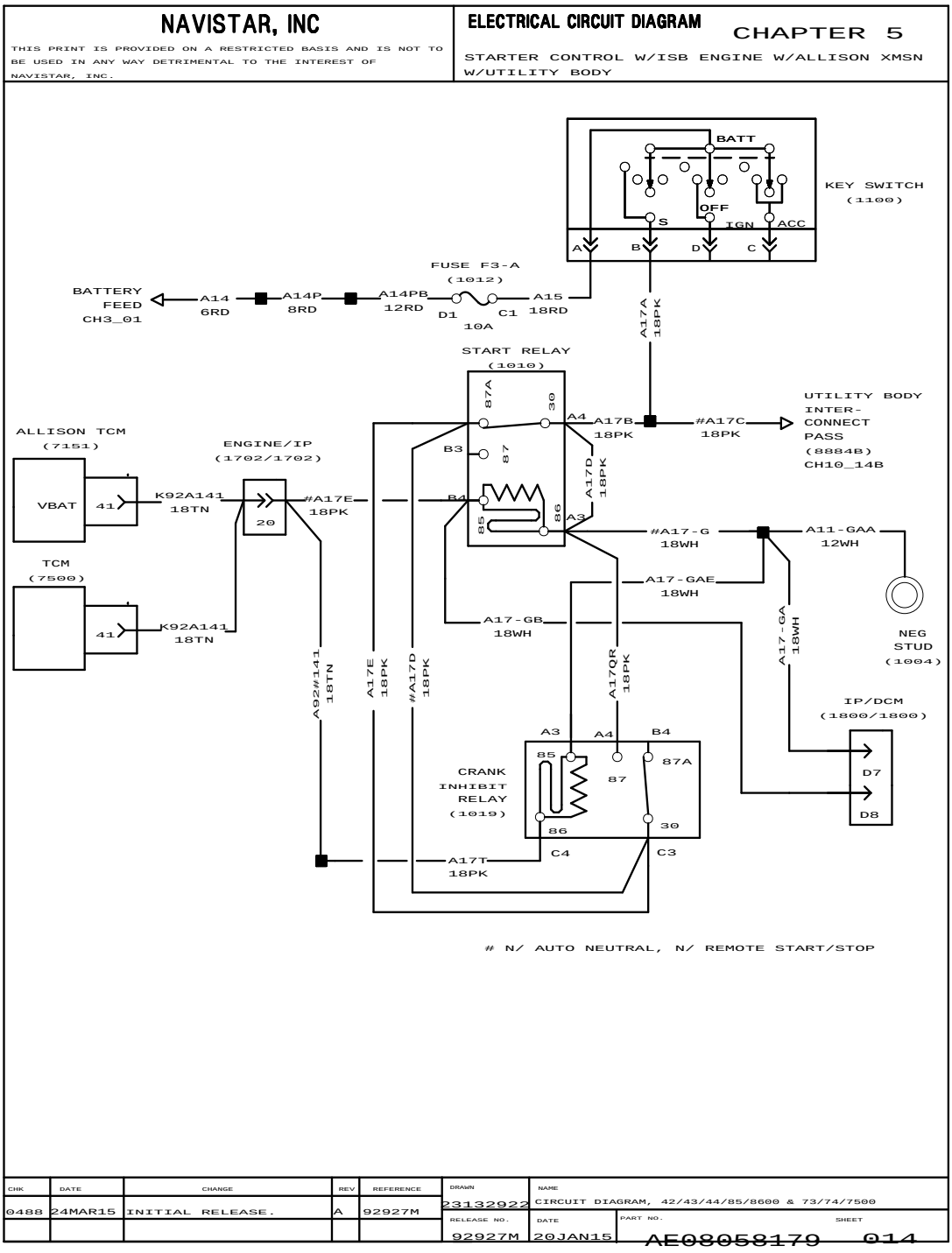

Figure 175 Starter Control with ISB Engine with Allison Transmission with Utility Body

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5.18. STARTER CONTROL WITH ISB ENGINE WITH ALLISON TRANSMISSION WITH UTILITY BODY (CONT.), P. 15

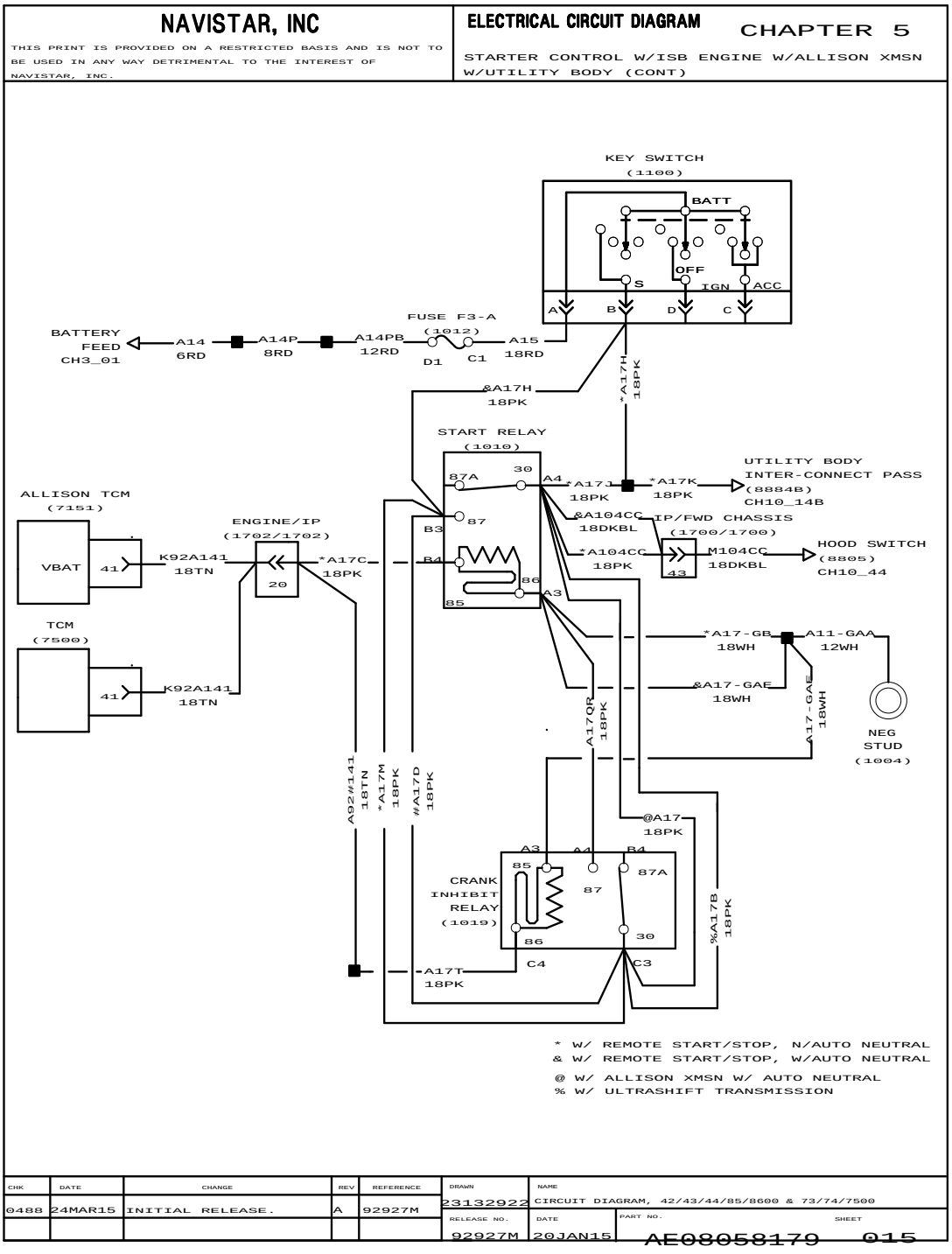

Figure 176 Starter Control with ISB Engine with Allison Transmission with Utility Body (Cont.)

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5.19. STARTING AND CRANKING WITH MANUAL TRANSMISSION WITH UTILITY BODY WITH 500K BAUD RATE, P. 16

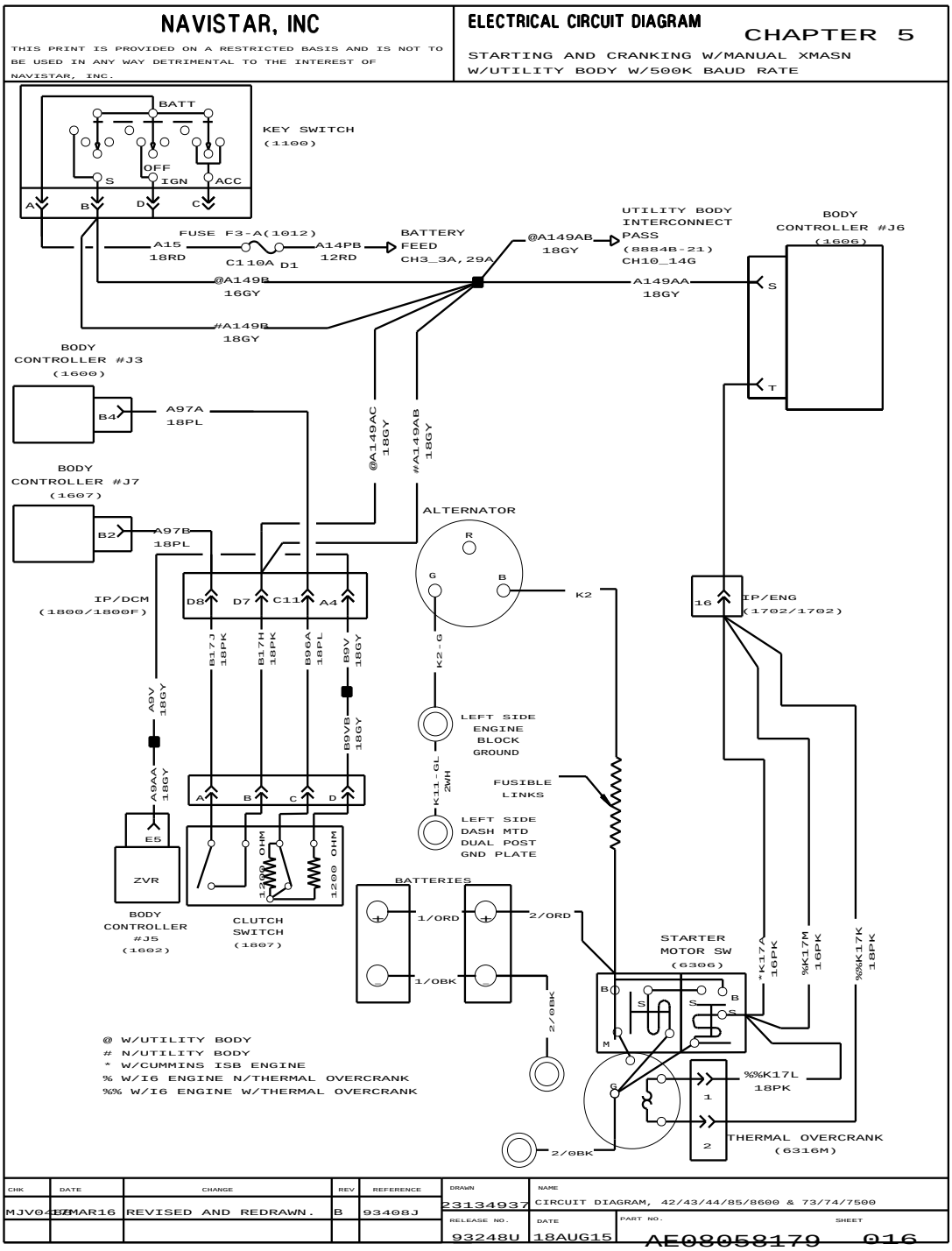

Figure 177 Starting and Cranking with Manual Transmission with Utility Body with 500K Baud Rate

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5.20. STARTING AND CRANKING WITH ALLISON TRANSMISSION WITH UTILITY BODY WITH 500K BAUD RATE, P. 17

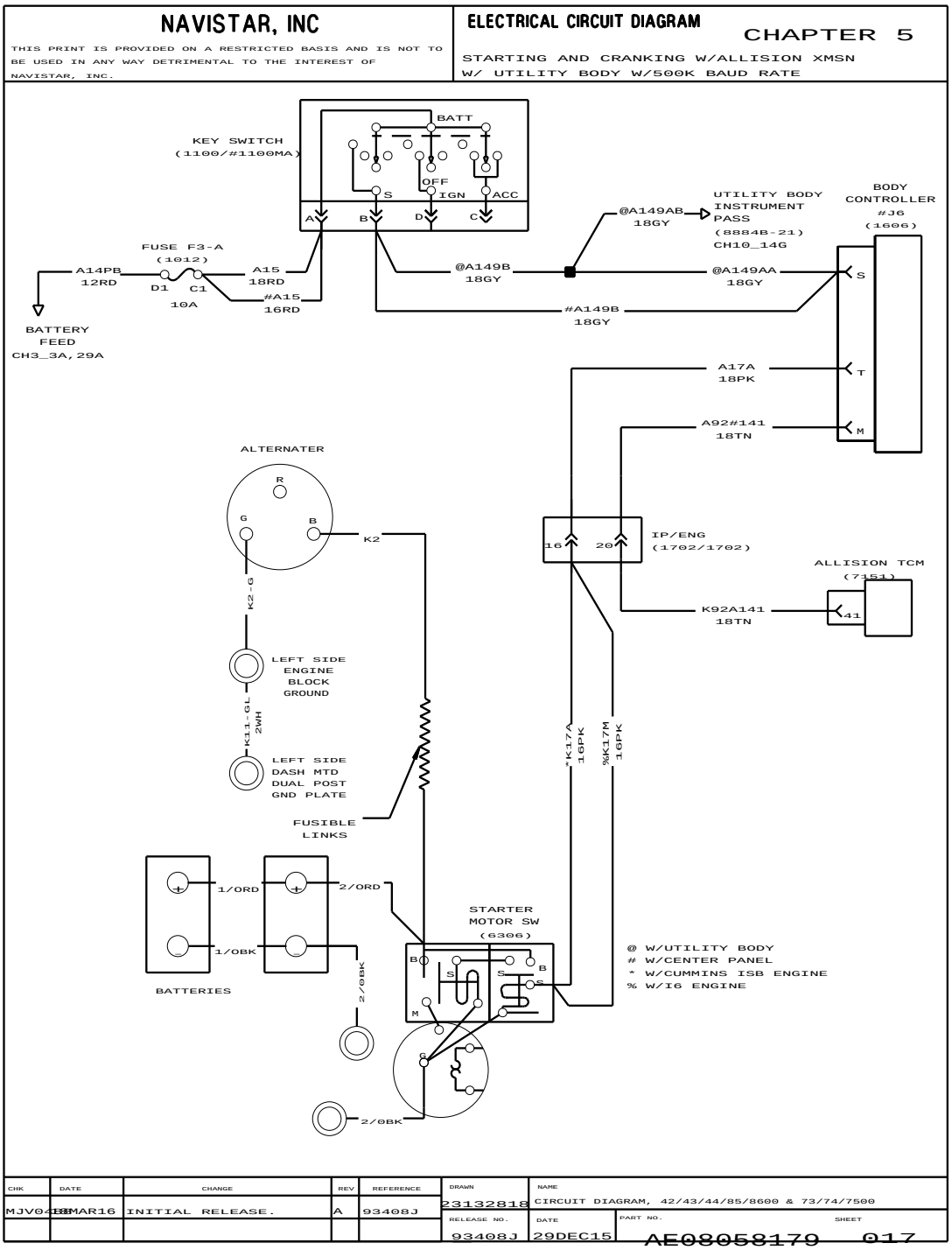

Figure 178 Starting and Cranking with Allison Transmission with Utility Body with 500K Baud Rate

https://truckmanualshub.com/

5.21. STARTING AND CRANKING WITH EATON PROCISION TRANSMISSION WITH 500K BAUD RATE, P. 18

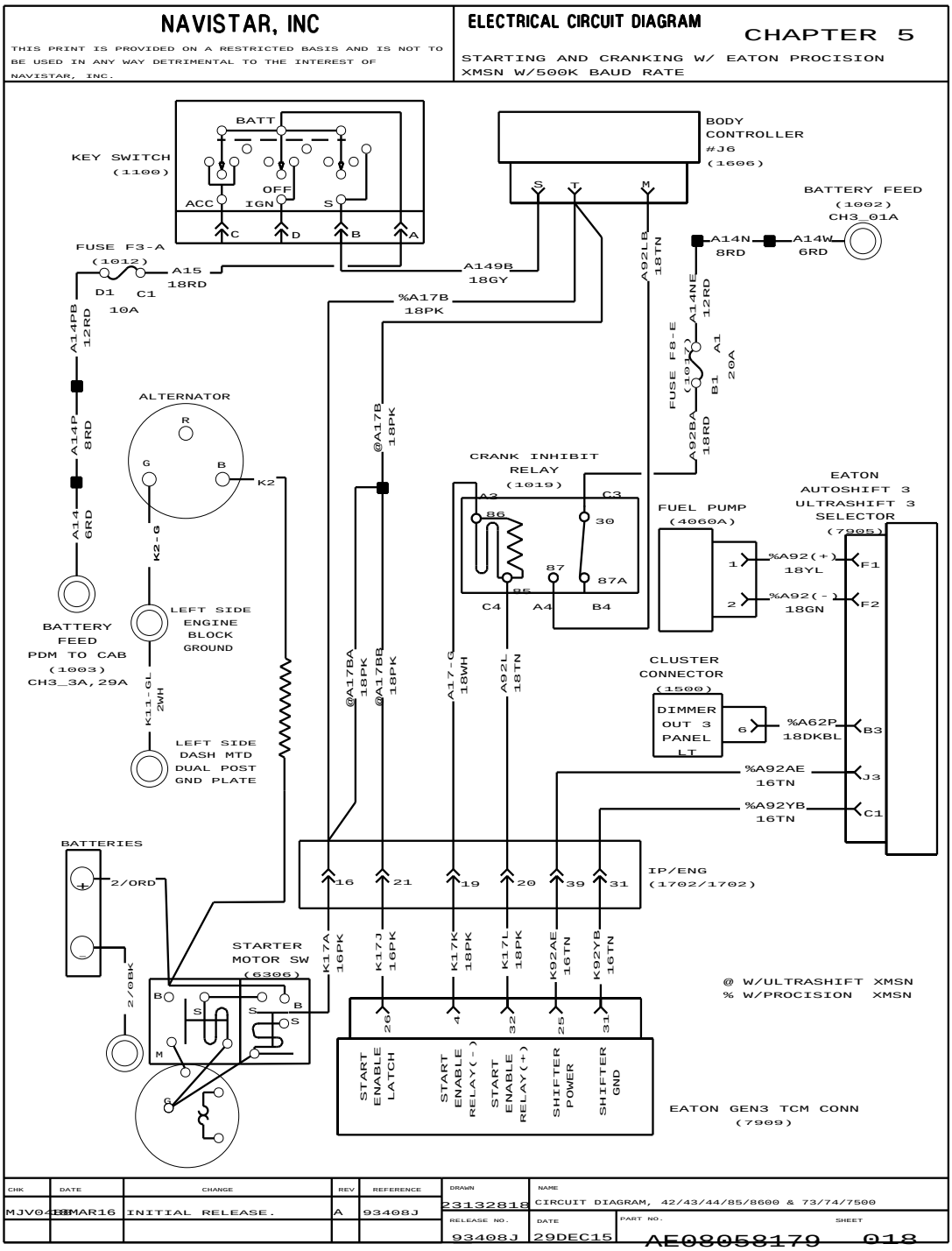

Figure 179 Starting and Cranking with Eaton Procision Transmission with 500K Baud Rate

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FANS AND ENGINE ACCESSORIES (CHAPTER 6)

6.1. FAN WIRING, I6 / V8 ENGINES, P. 1

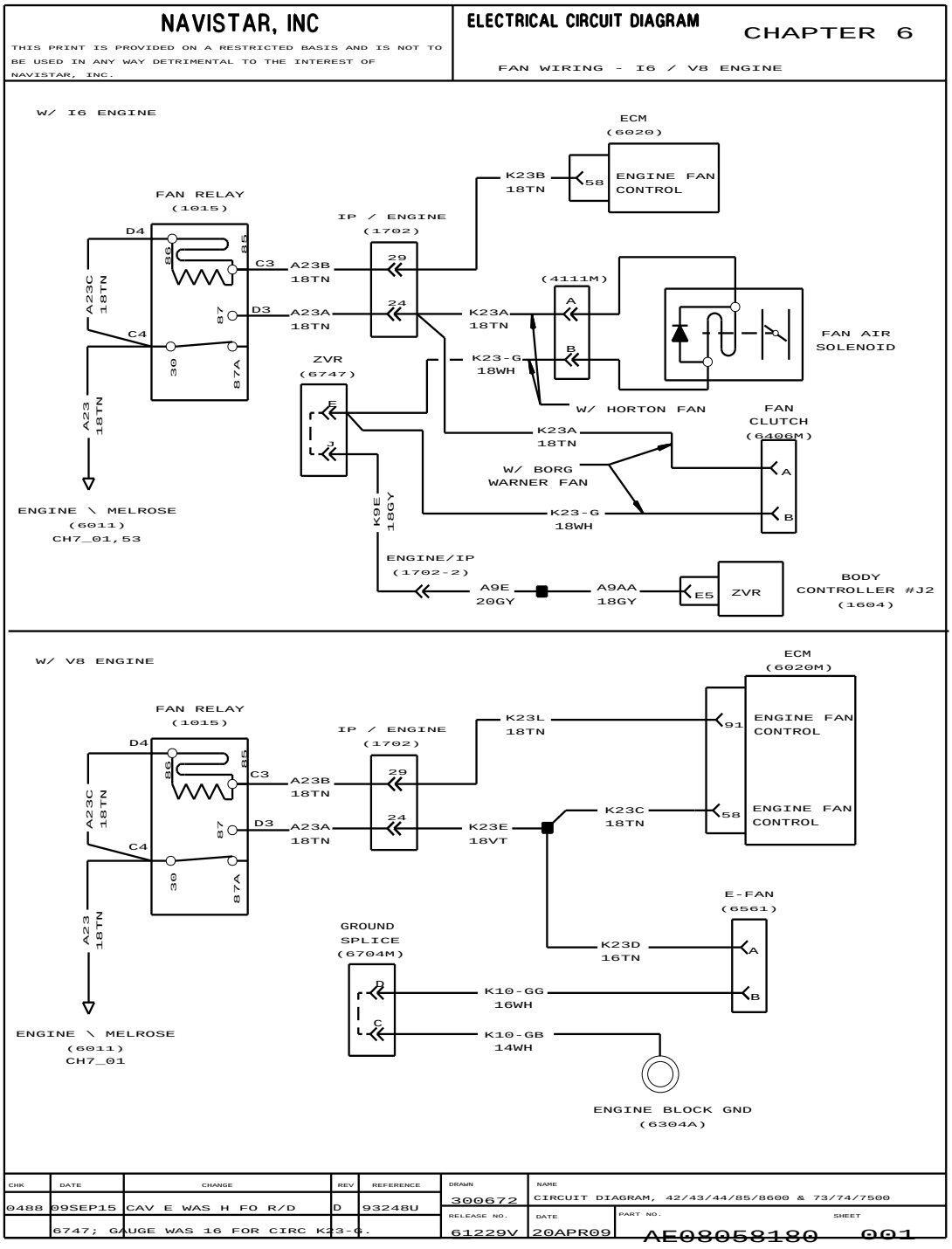

Figure 180 Fan Wiring, I6 / V8 Engines

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6.2. SNOW VALVE, P. 2

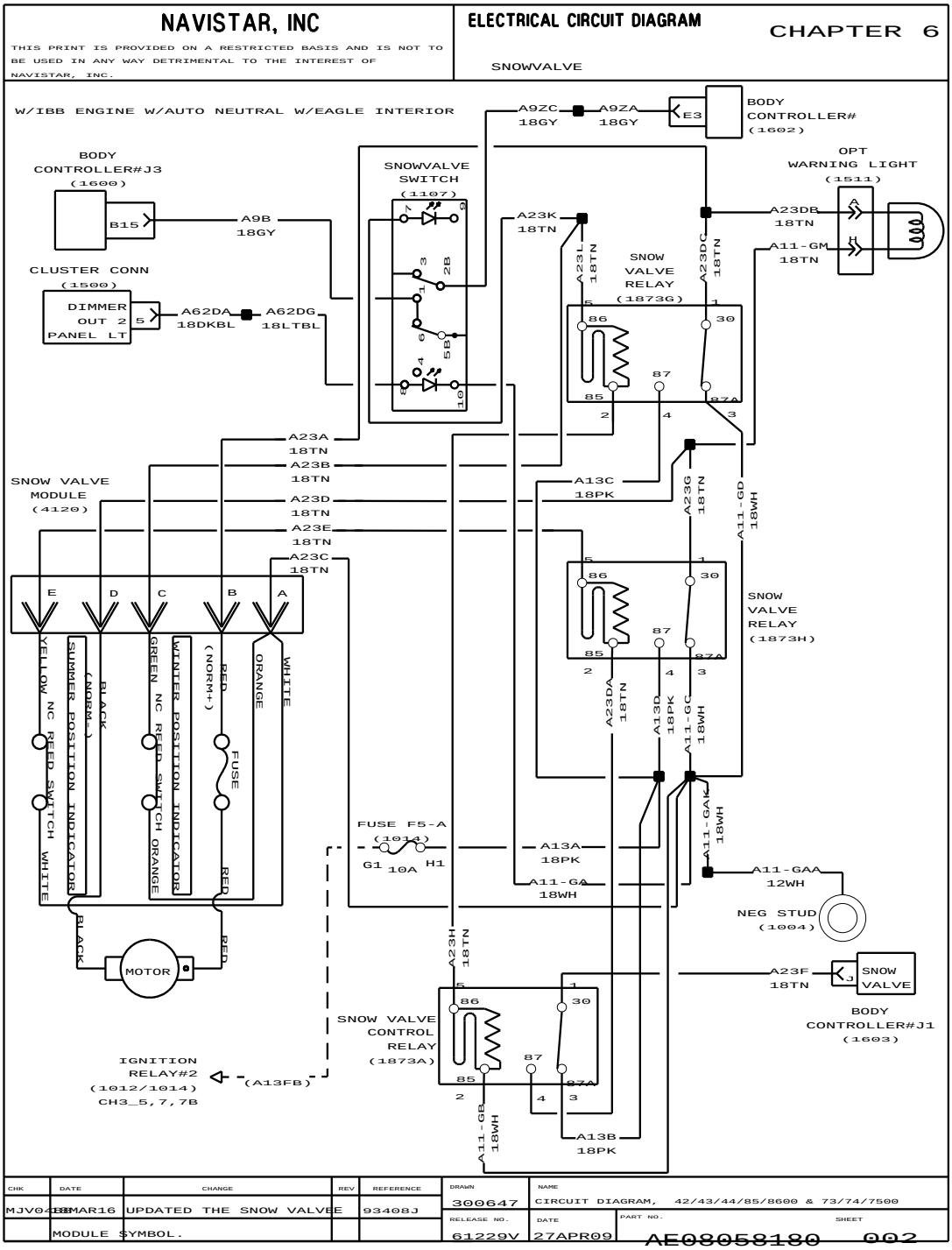

Figure 181 Snow Valve

https://truckmanualshub.com/

6.3. SNOW VALVE (CONT.), P. 2A

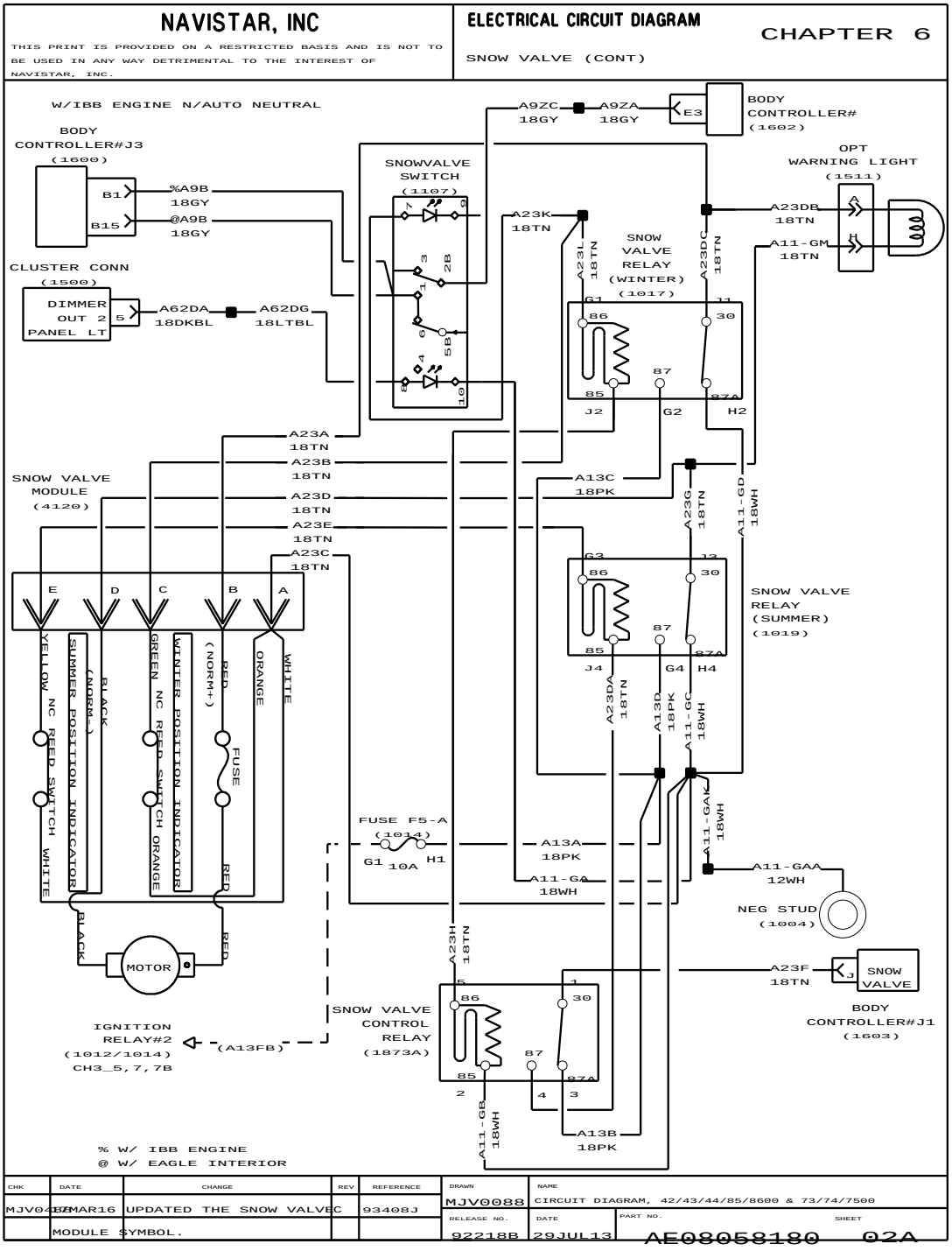

Figure 182 Snow Valve (Cont.)

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6.4. SNOW VALVE (CONT.), P. 2B

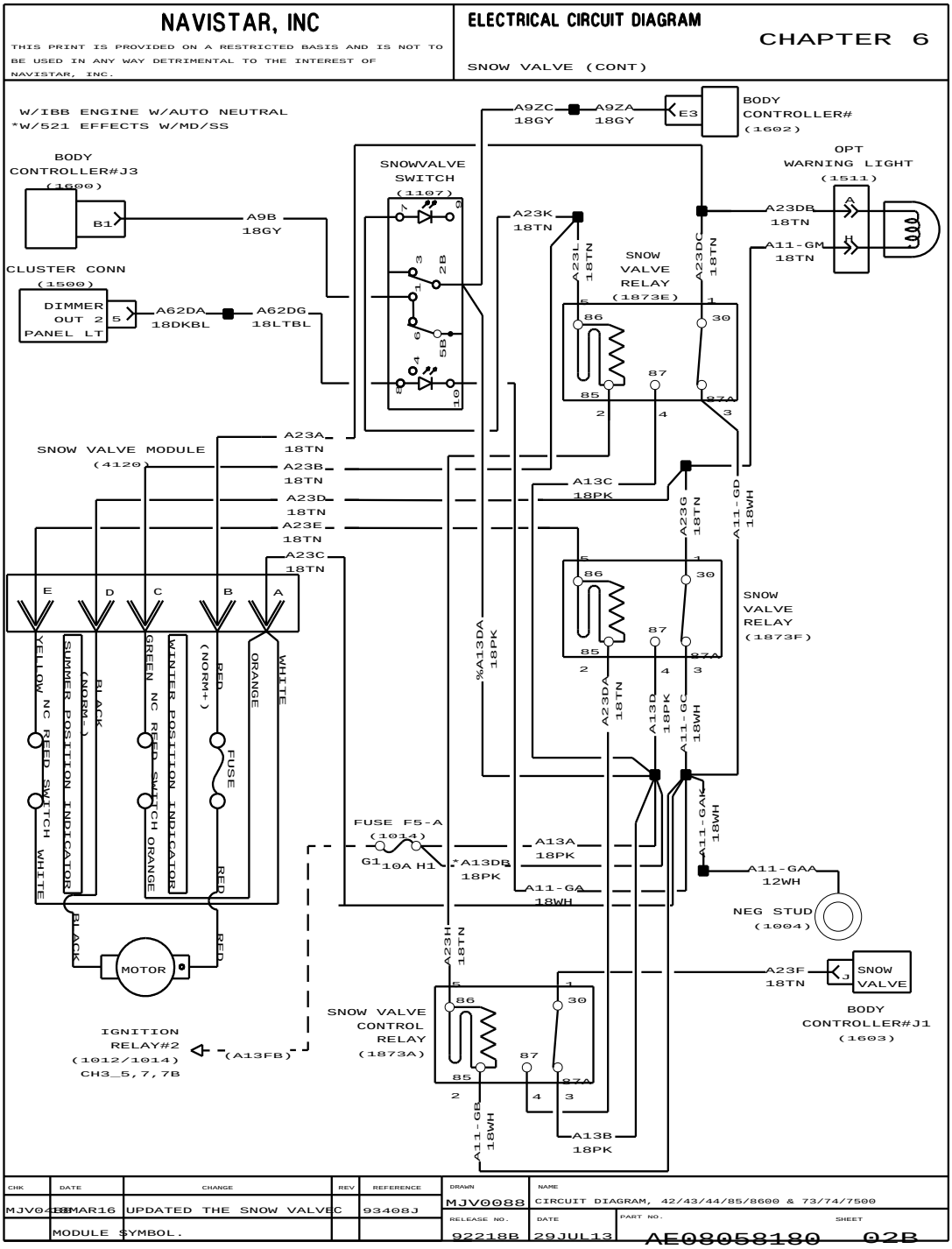

Figure 183 Snow Valve (Cont.)

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6.5. SNOW VALVE (CONT.), P. 2C

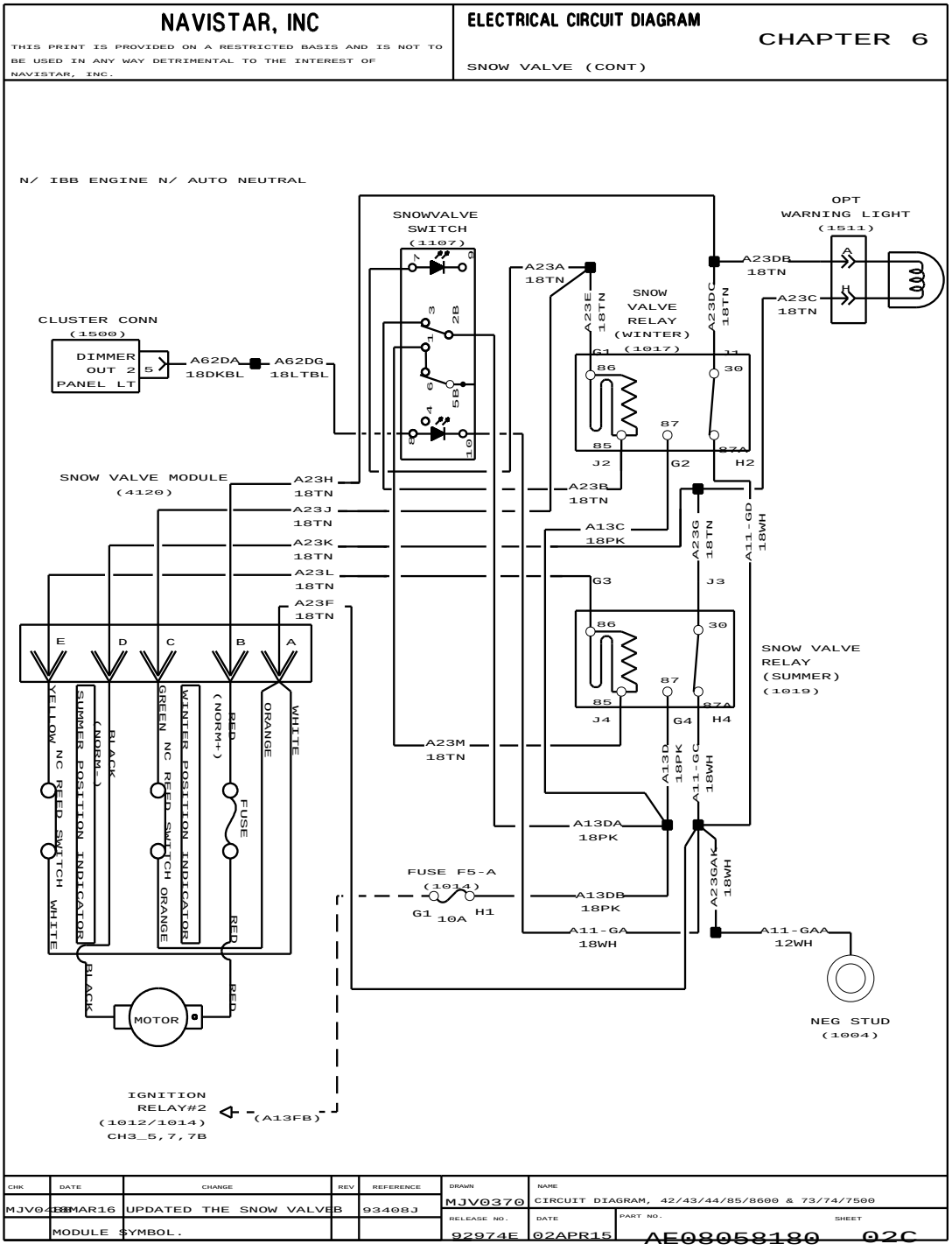

Figure 184 Snow Valve (Cont.)

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6.6. SNOW VALVE (CONT.), P. 2D

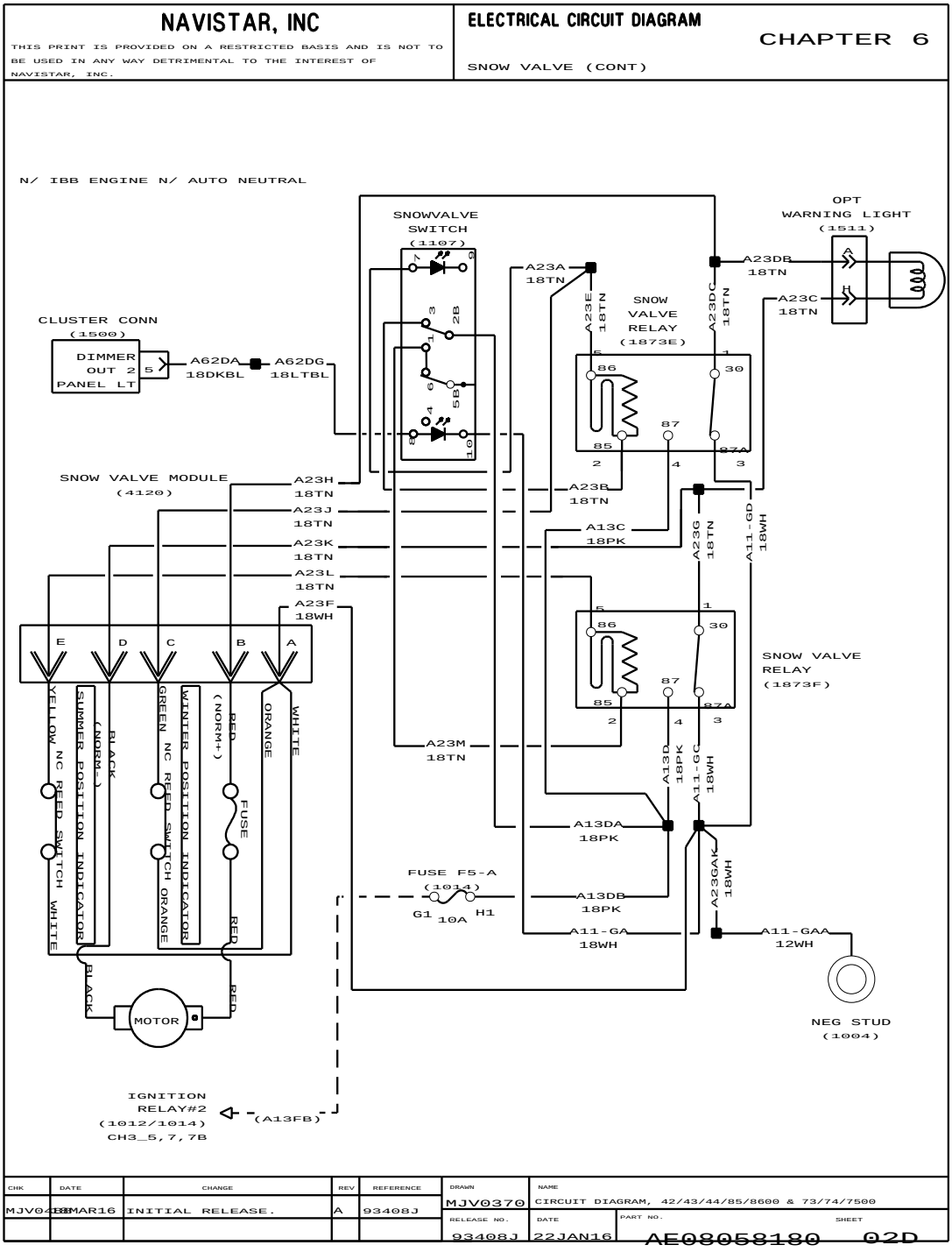

Figure 185 Snow Valve (Cont.)

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6.7. STARTING AID – COLD START ASSIST (IBB ENGINE), P. 3

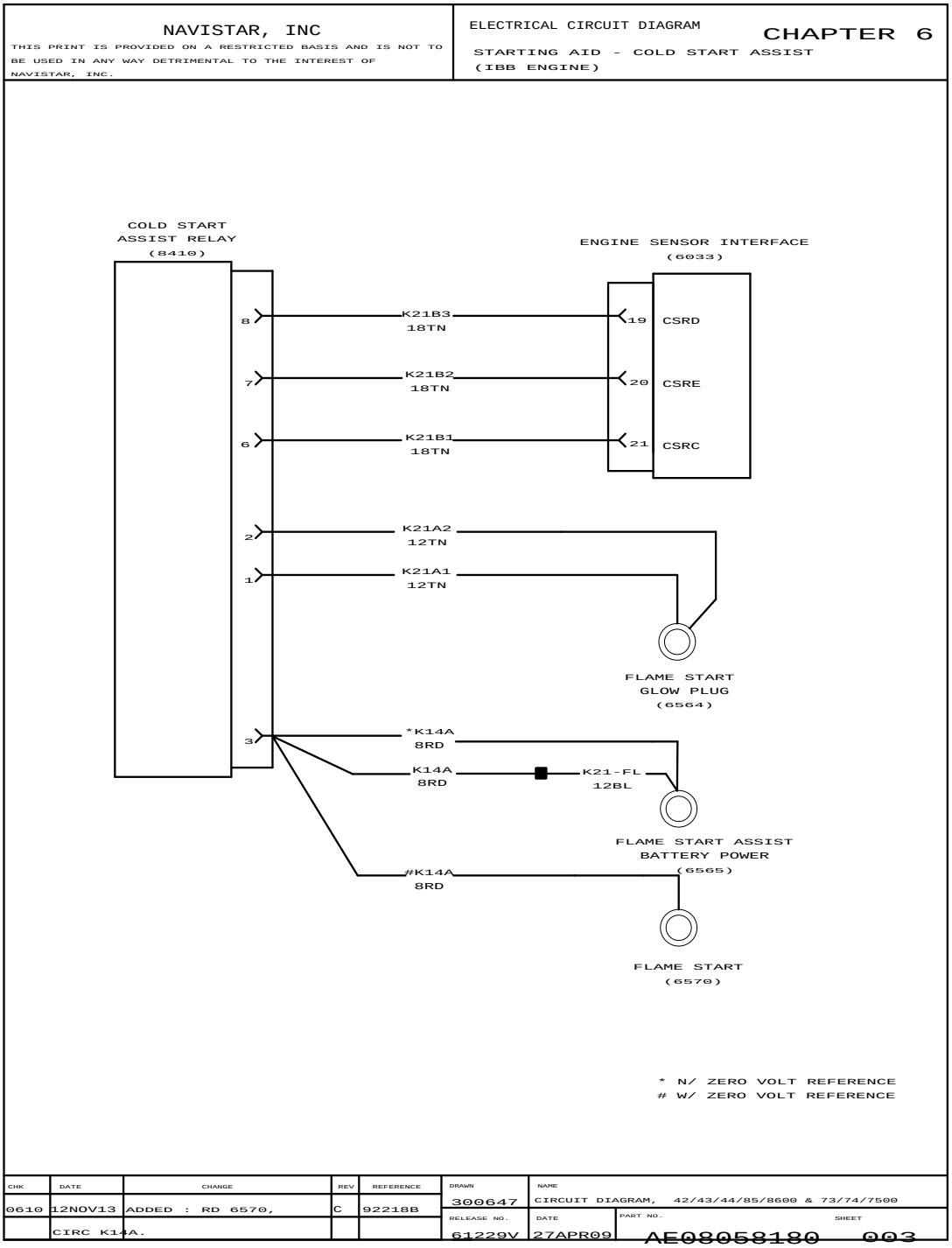

Figure 186 Starting Aid – Cold Start Assist (IBB Engine)

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6.8. FAN WIRING – IBB ENGINE, P. 4

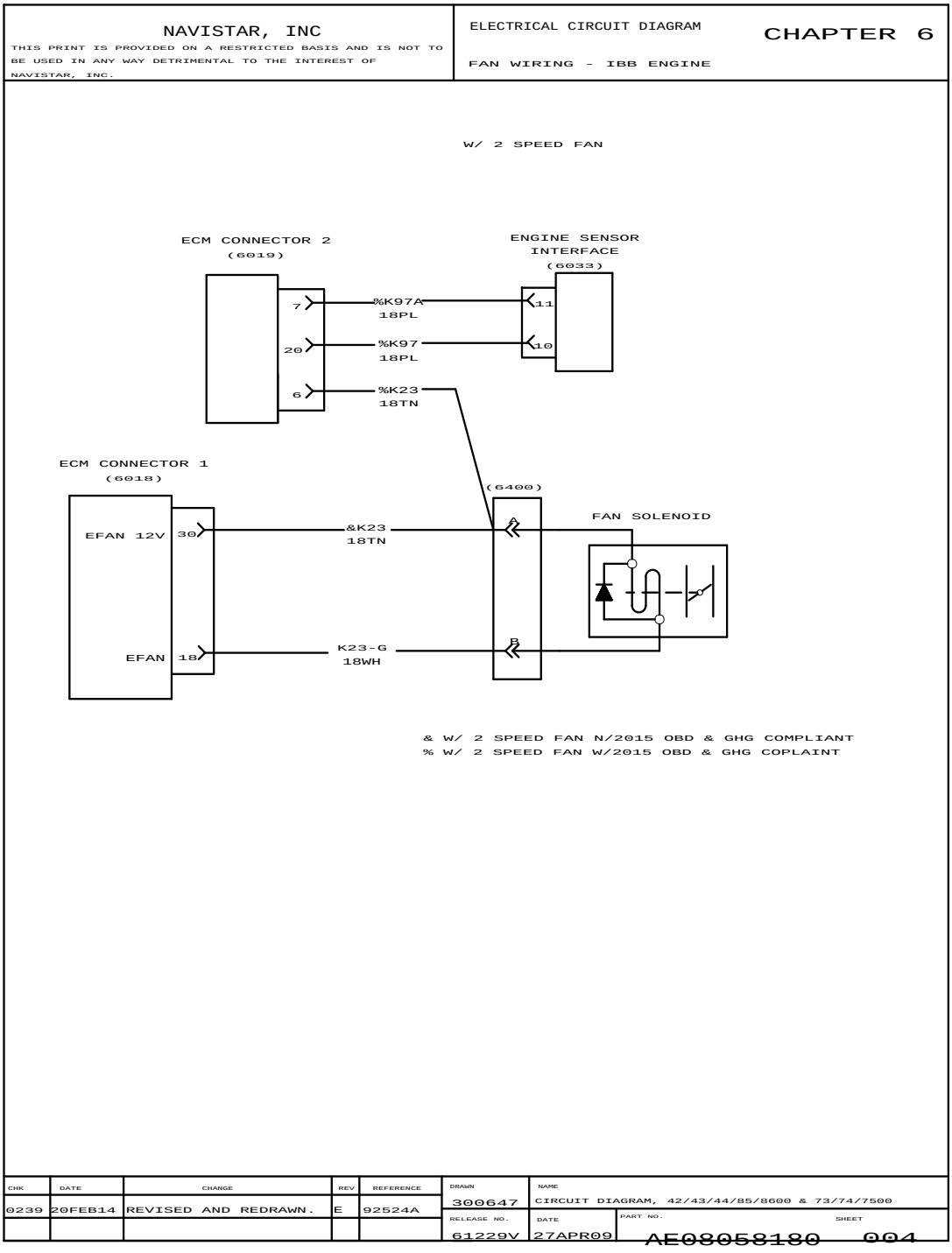

Figure 187 Fan Wiring – IBB Engine

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6.9. FAN WIRING – IBB ENGINE (CONT.), P. 4A

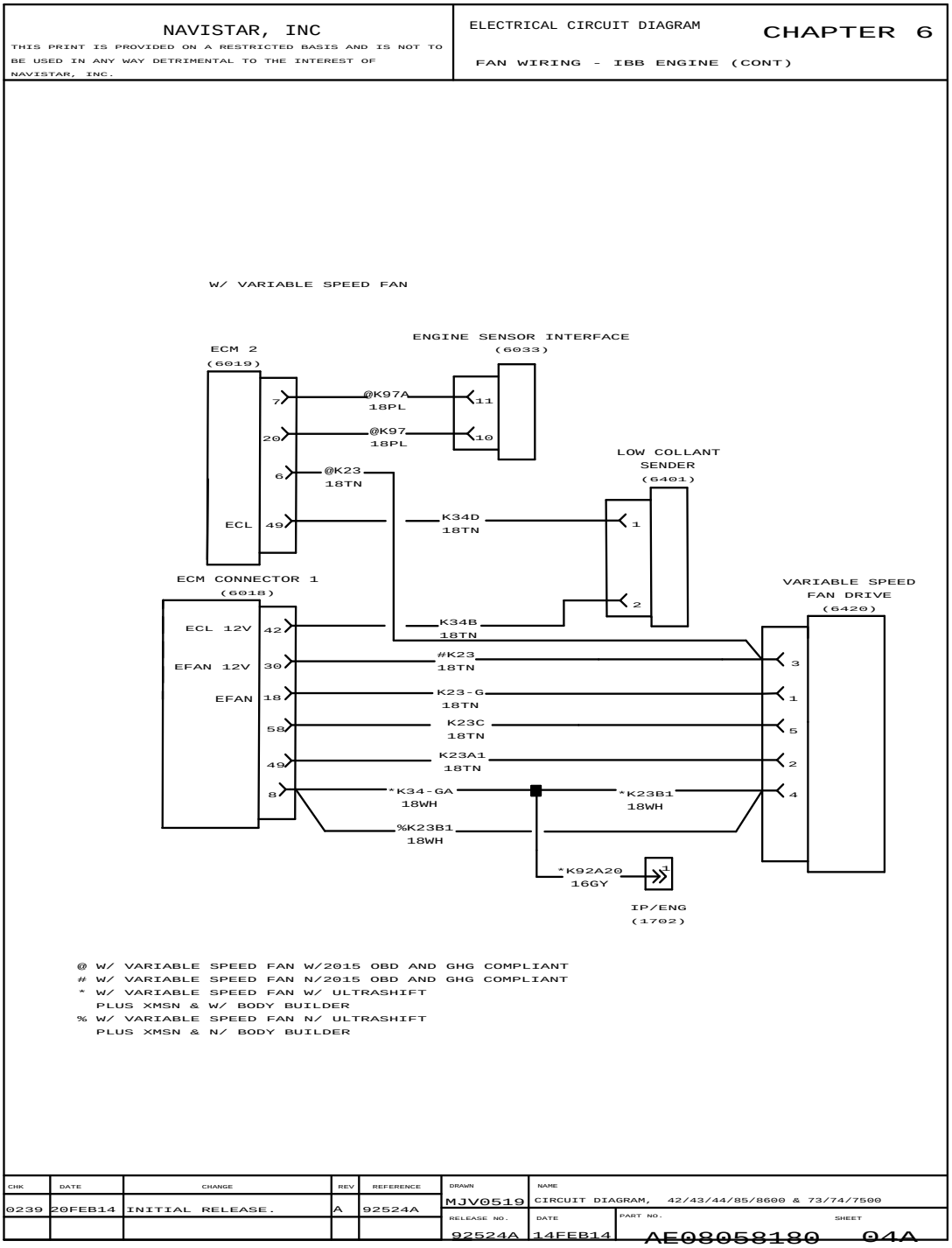

Figure 188 Fan Wiring – IBB Engine (Cont.)

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6.10. ELECTRIC AIR COMPRESSOR WITH MD, P. 5

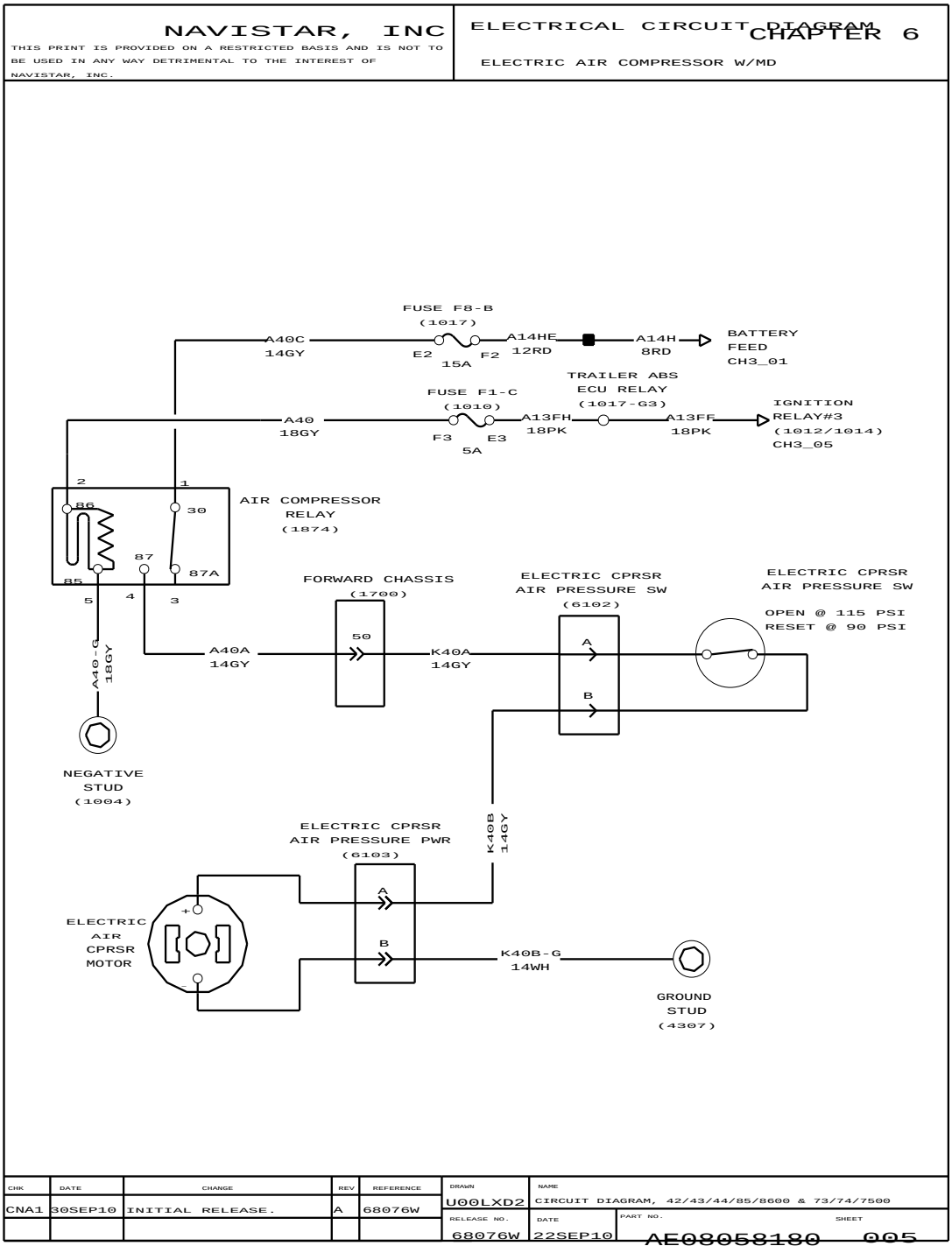

Figure 189 Electric Air Compressor with MD

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6.11. FAN WIRING – ISL–G ENGINE, P. 6

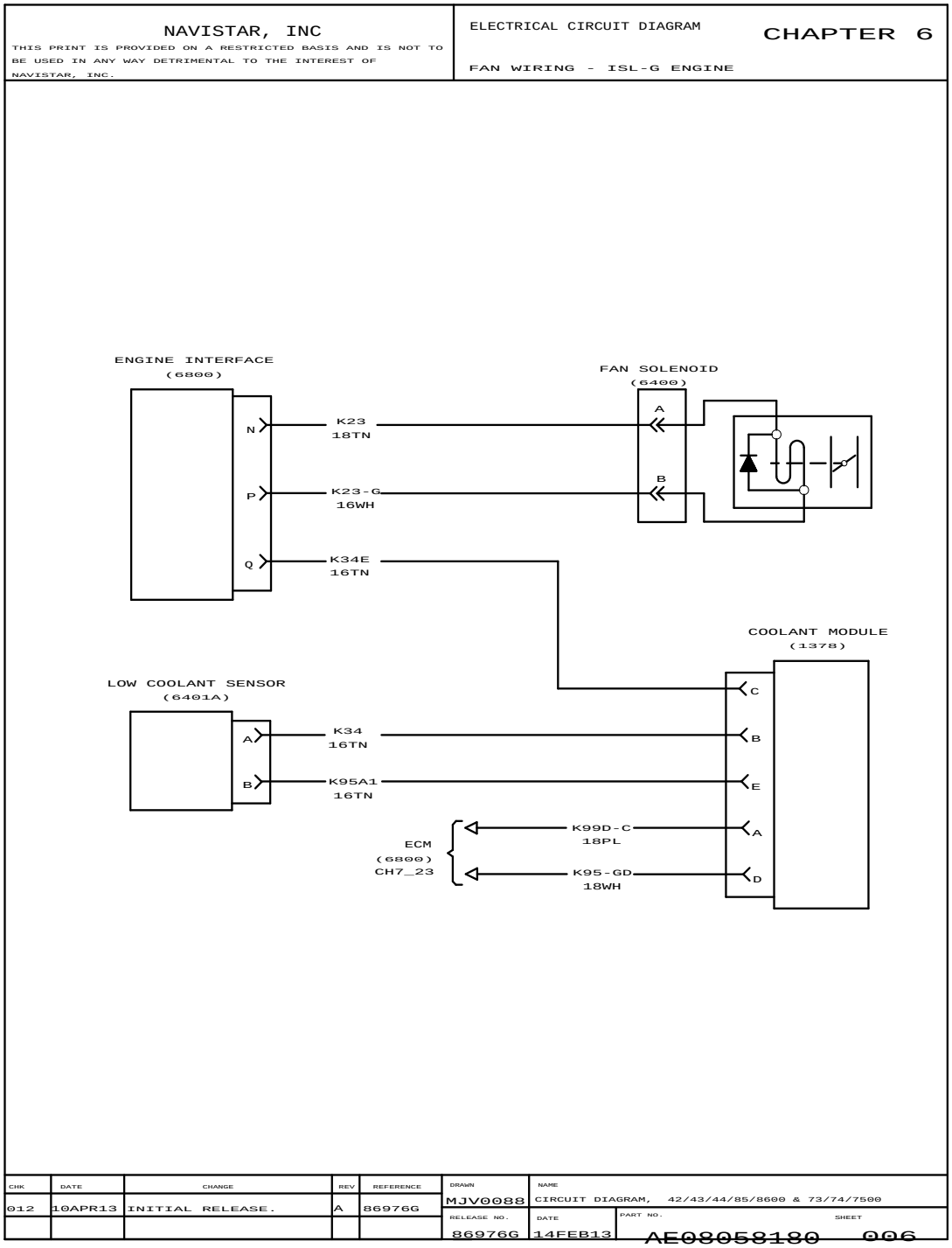

Figure 190 Fan Wiring – ISL–G Engine

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ELECTRONIC ENGINES (CHAPTER 7)

7.1. ELECTRONIC ENGINE CONTROLS, I6 ENGINES, P. 1

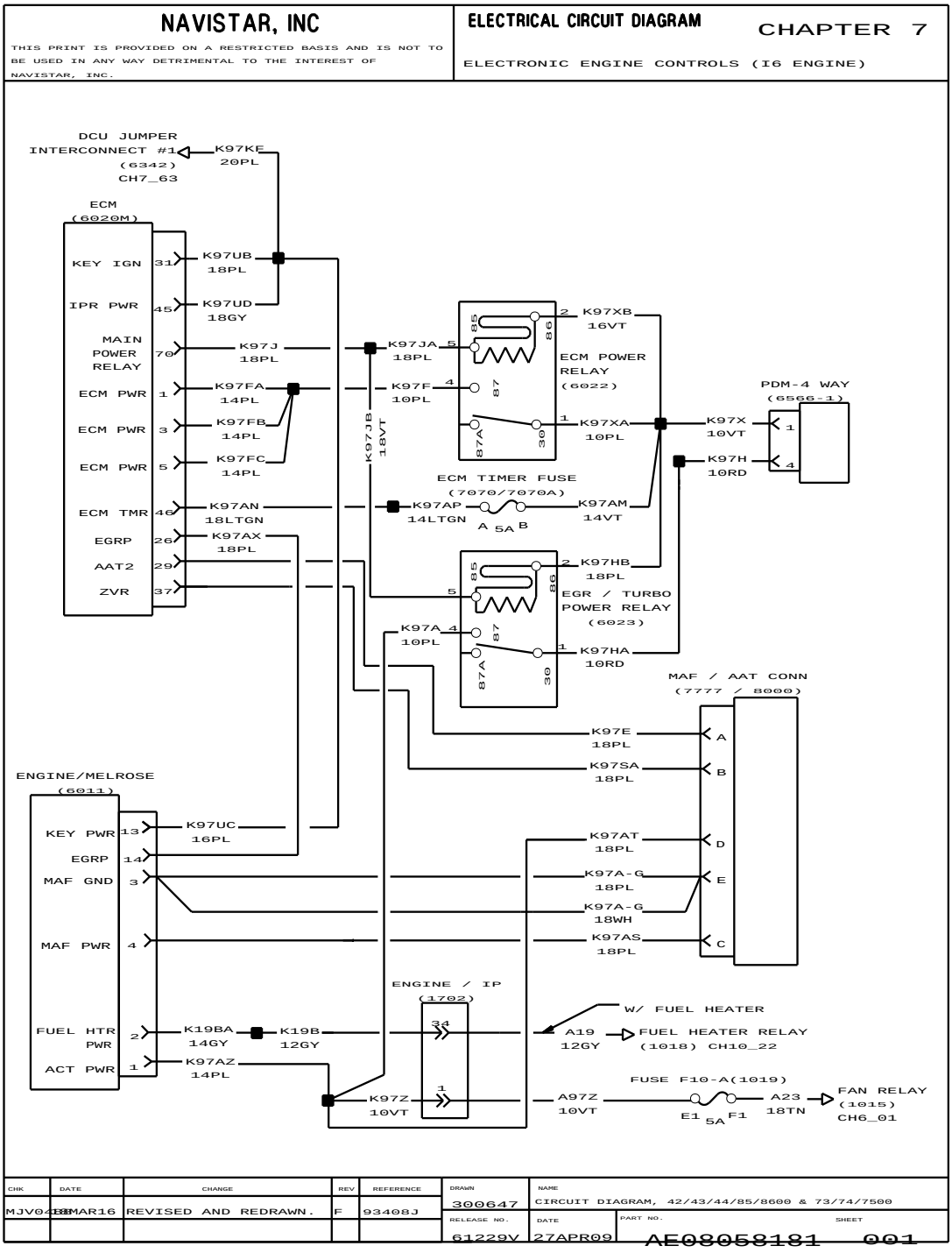

Figure 191 Electronic Engine Controls, I6 Engines

https://truckmanualshub.com/

7.2. ELECTRONIC ENGINE CONTROLS, I6 ENGINES (CONT.), P. 1A

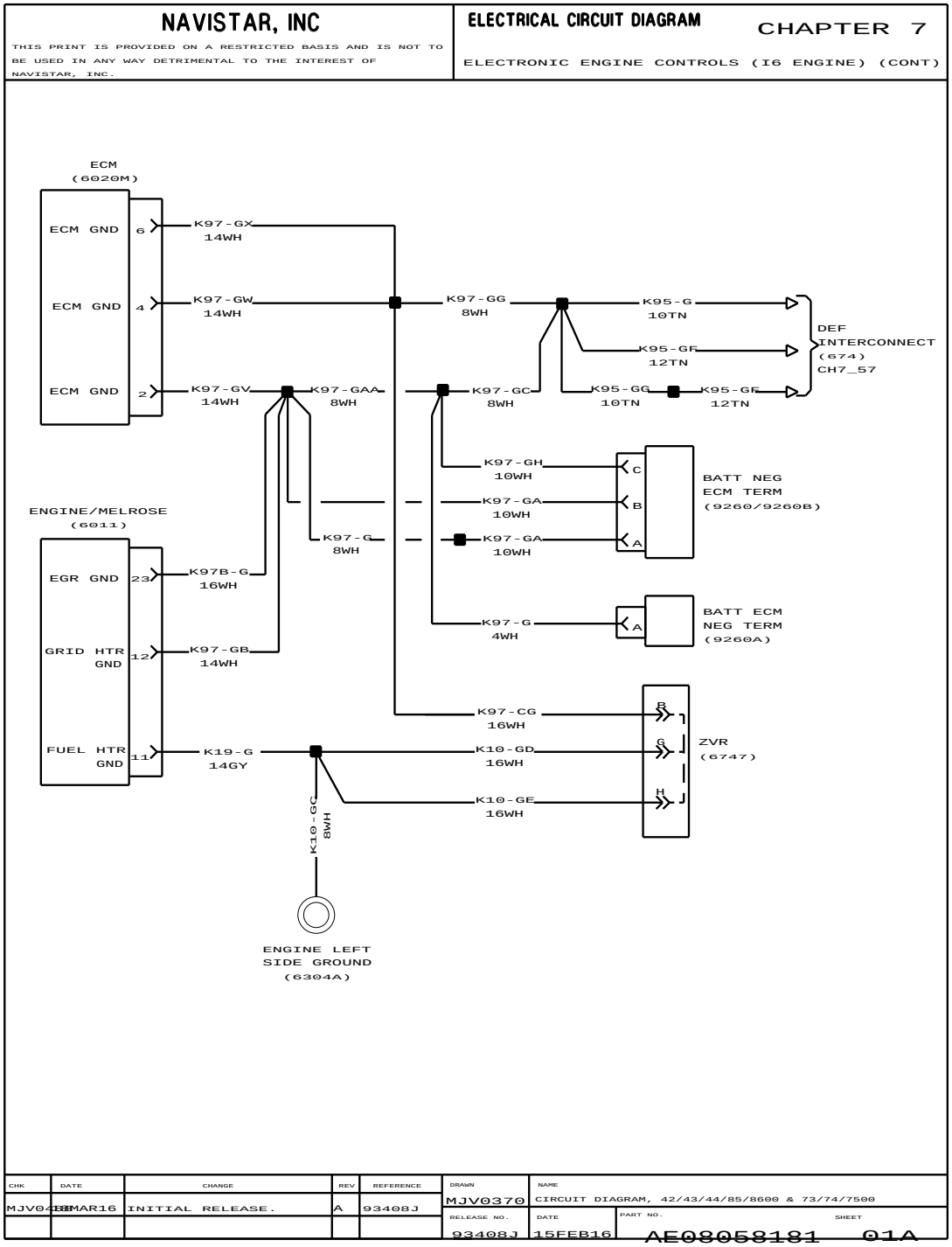

Figure 192 Electronic Engine Controls, I6 Engines (Cont.)

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7.3. ELECTRONIC ENGINE CONTROLS, I6 ENGINES (CONT.), P. 2

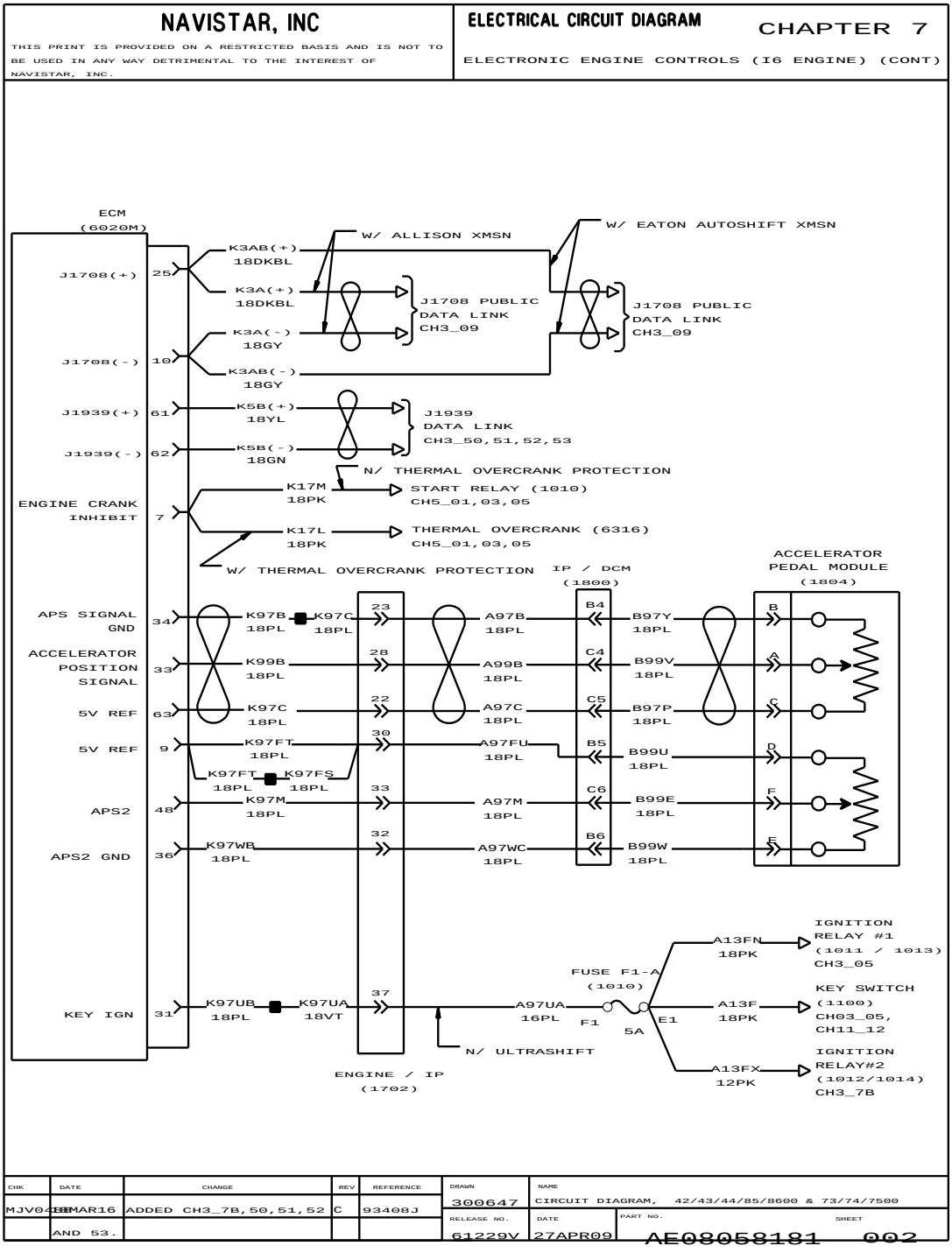

Figure 193 Electronic Engine Controls, I6 Engines (Cont.)

https://truckmanualshub.com/

7.4. ELECTRONIC ENGINE CONTROLS, I6 ENGINES (CONT.), P. 3

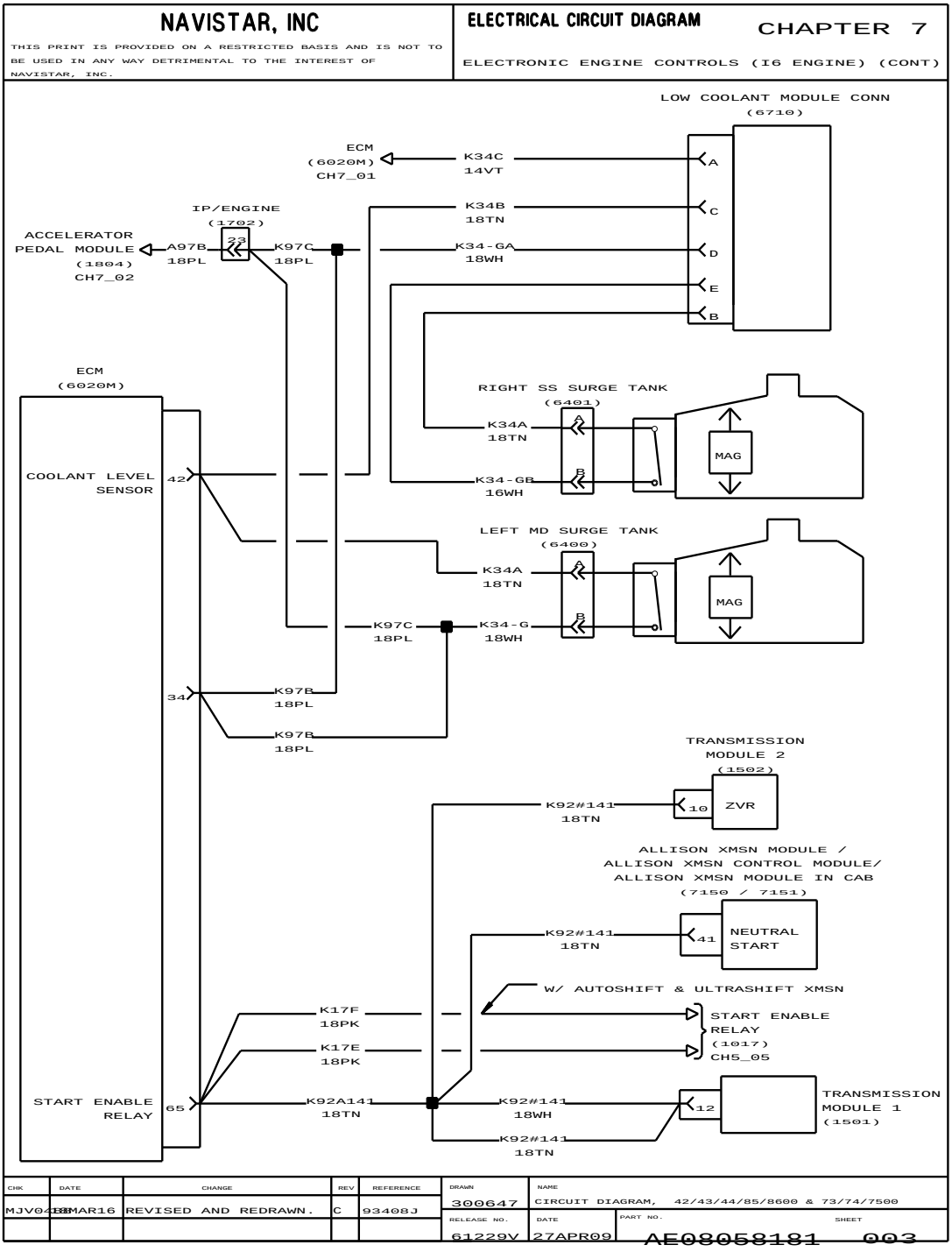

Figure 194 Electronic Engine Controls, I6 Engines (Cont.)

https://truckmanualshub.com/

7.5. ELECTRONIC ENGINE CONTROLS, I6 ENGINES (CONT.), P. 4

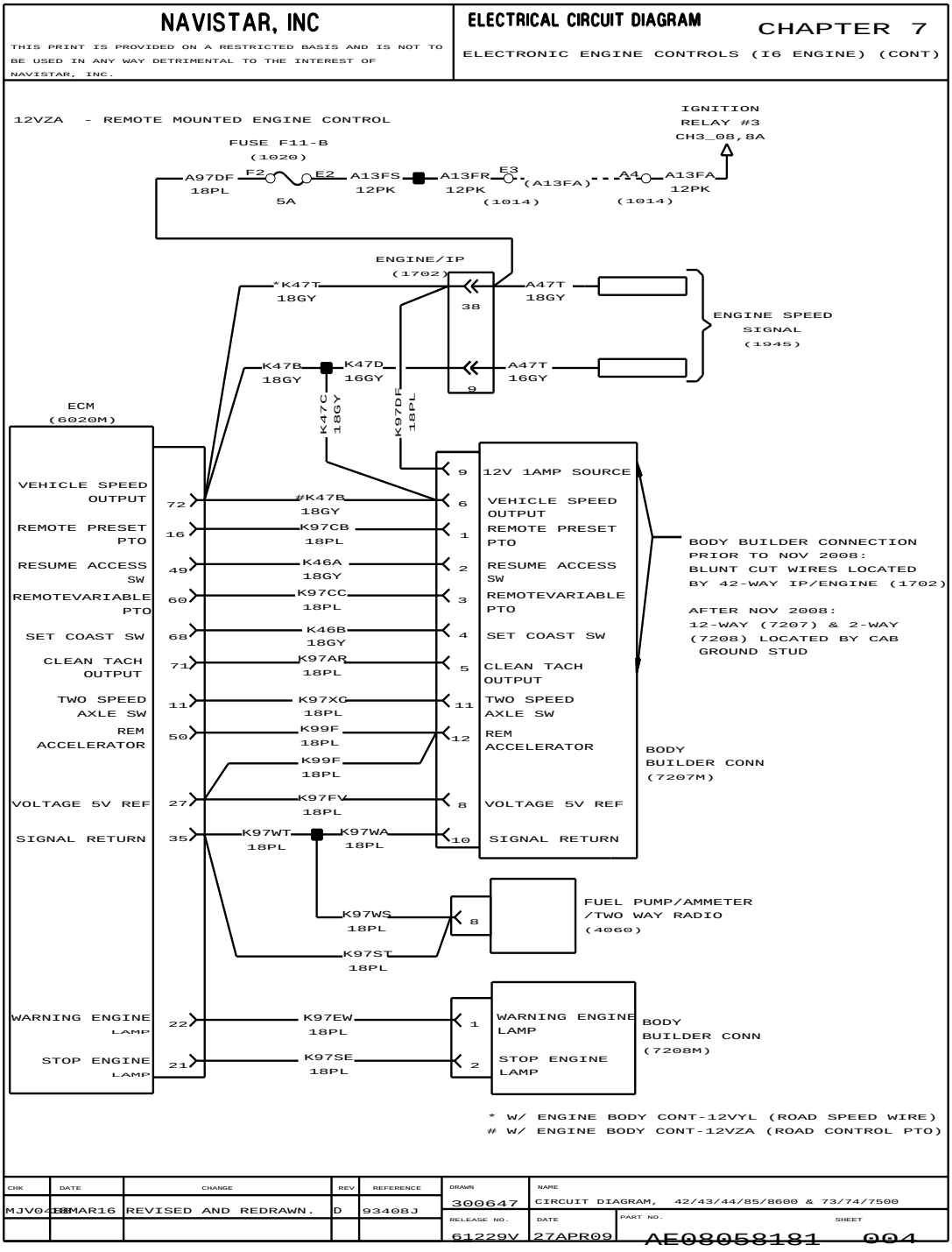

Figure 195 Electronic Engine Controls, I6 Engines (Cont.)

https://truckmanualshub.com/

7.6. ELECTRONIC ENGINE CONTROLS, I6 ENGINES (CONT.), P. 5

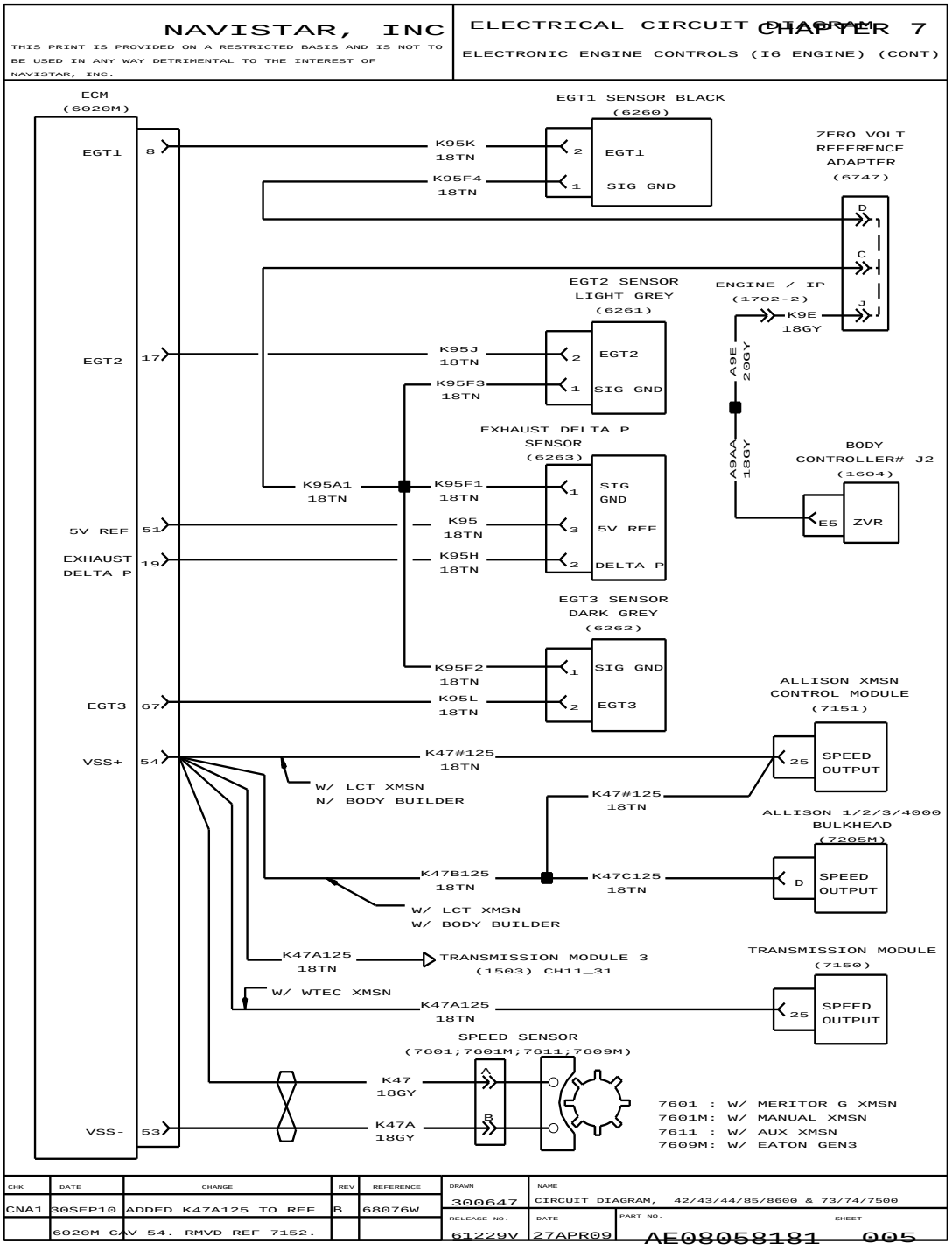

Figure 196 Electronic Engine Controls, I6 Engines (Cont.)

https://truckmanualshub.com/

7.7. CRUISE CONTROL, P. 6

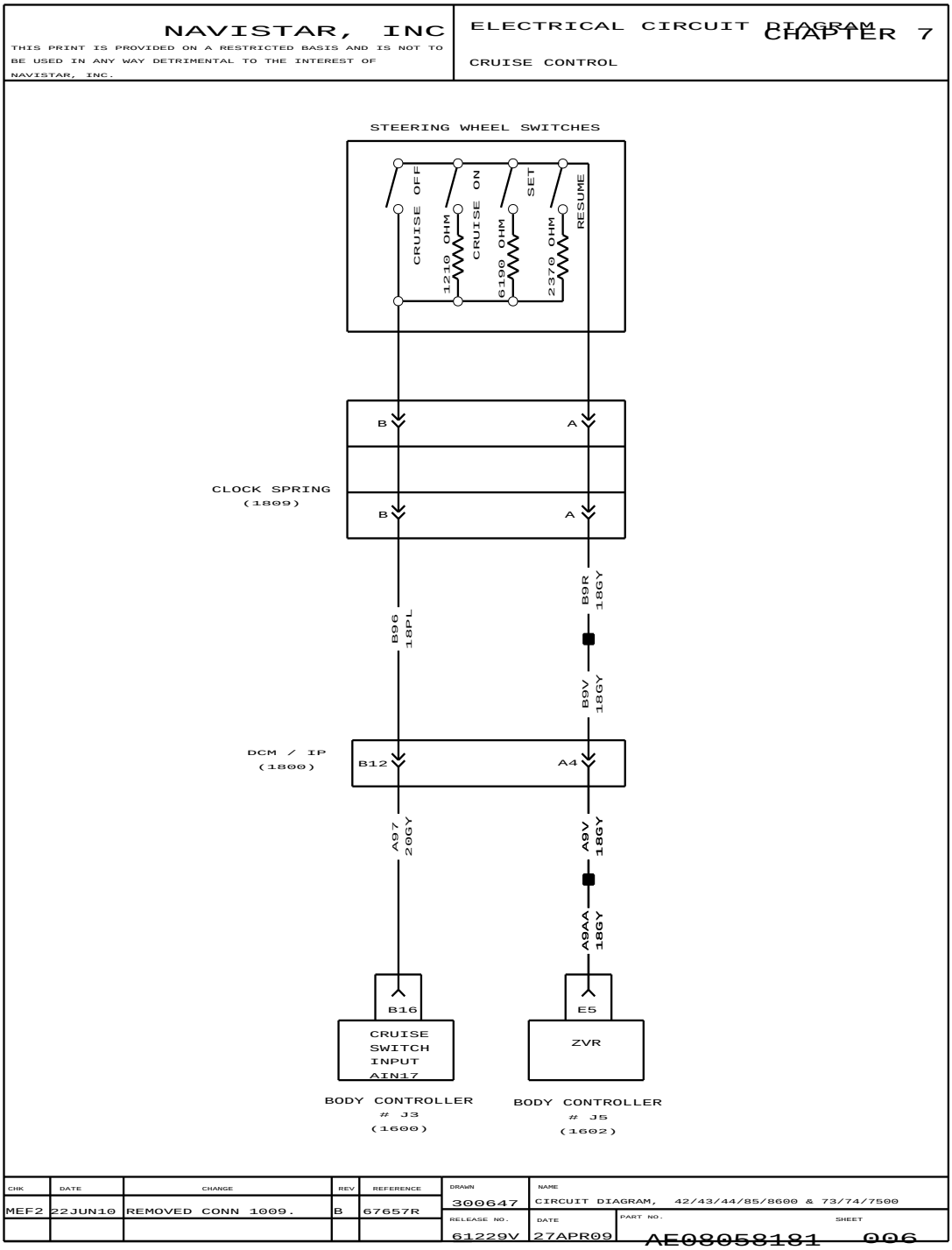

Figure 197 Cruise Control

https://truckmanualshub.com/

7.8. ELECTRONIC ENGINE CONTROLS, IBB ENGINES, P. 7

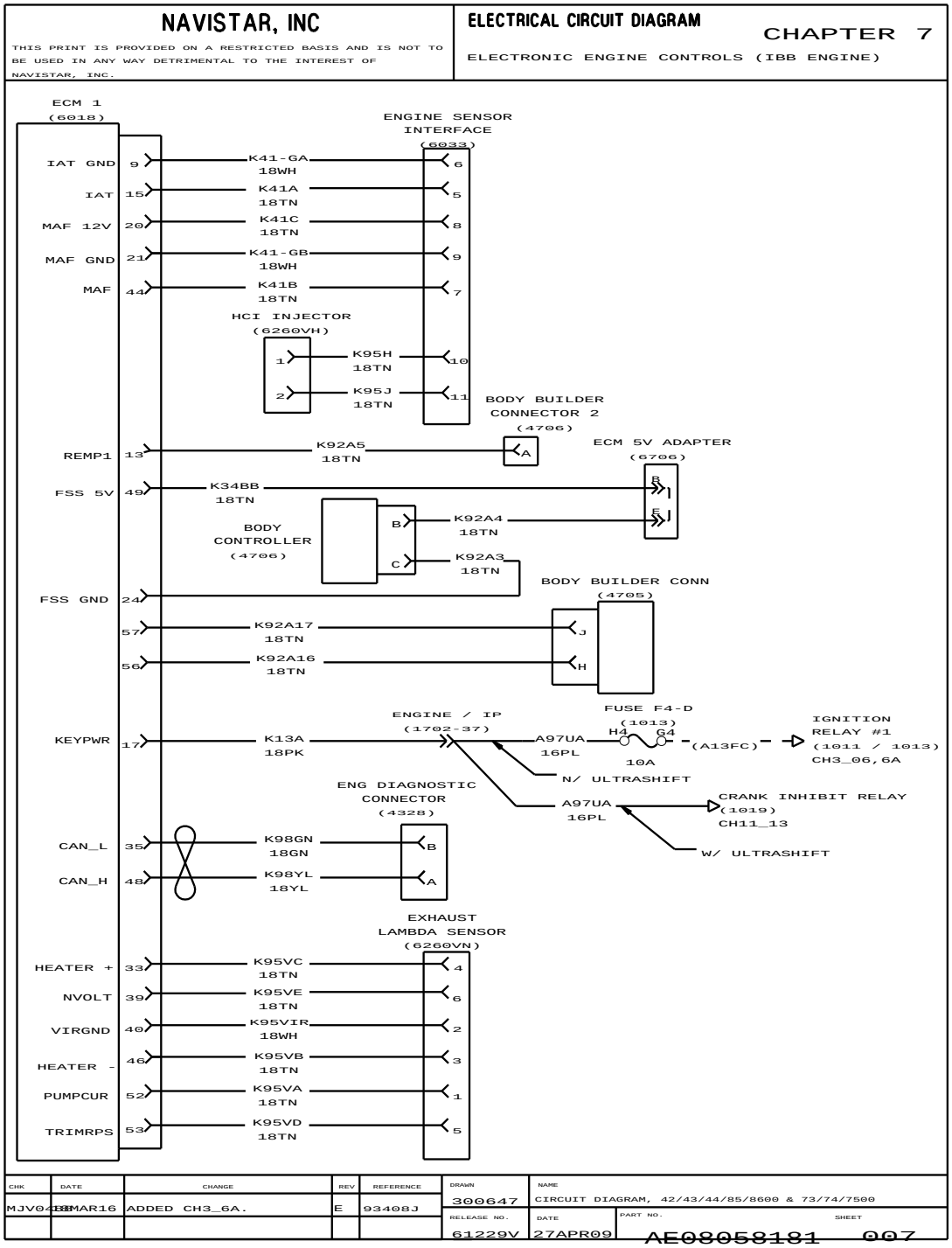

Figure 198 Electronic Engine Controls, IBB Engines

https://truckmanualshub.com/

7.9. ELECTRONIC ENGINE CONTROLS, IBB ENGINES (CONT.), P. 8

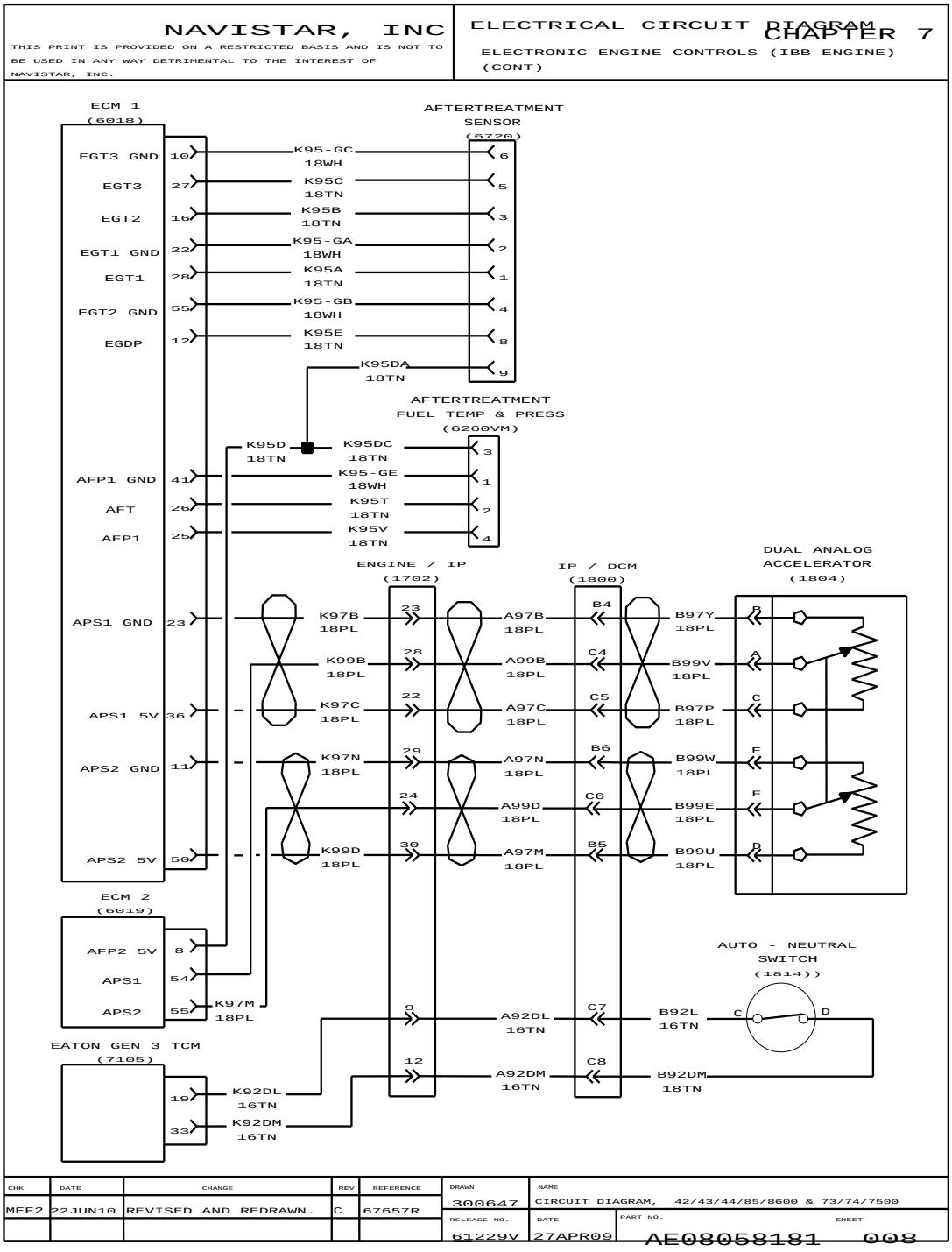

Figure 199 Electronic Engine Controls, IBB Engines (Cont.)

https://truckmanualshub.com/

7.10. ELECTRONIC ENGINE CONTROLS, IBB ENGINES (CONT.), P. 9

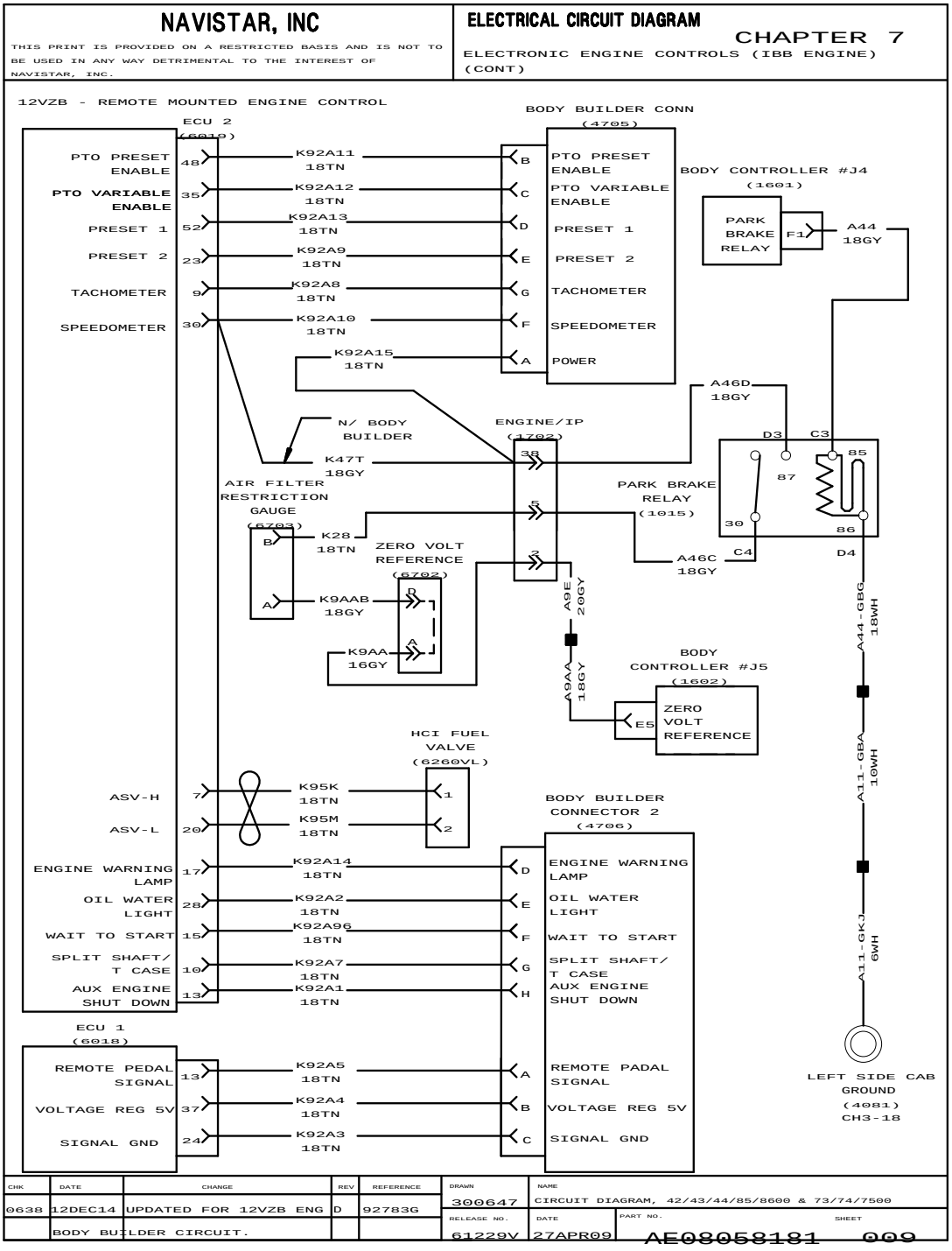

Figure 200 Electronic Engine Controls, IBB Engines (Cont.)

https://truckmanualshub.com/

7.11. ELECTRONIC ENGINE CONTROLS, IBB ENGINES (CONT.), P. 10

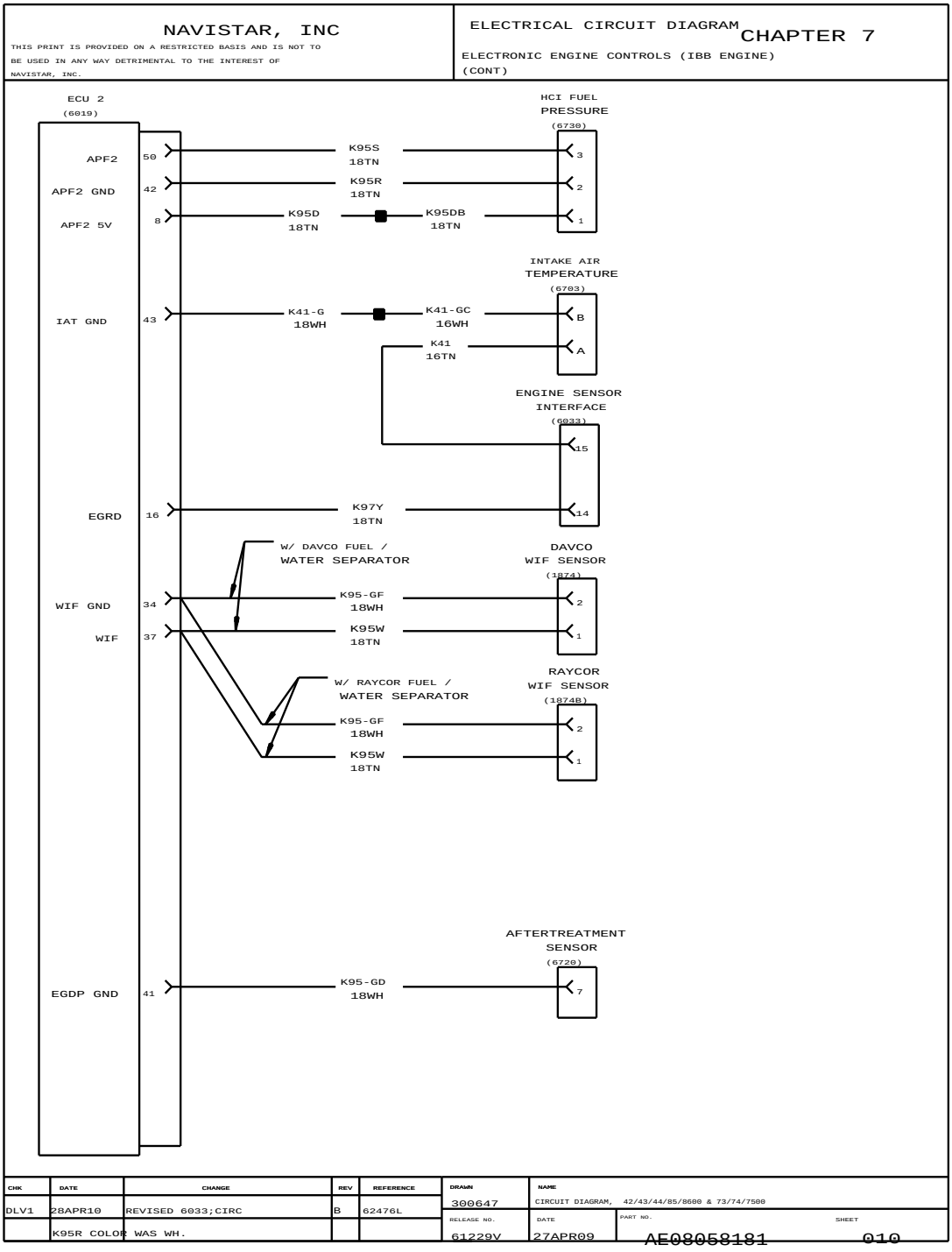

Figure 201 Electronic Engine Controls, IBB Engines (Cont.)

https://truckmanualshub.com/

7.12. ELECTRONIC ENGINE CONTROLS, IBB ENGINES (CONT.), P. 11

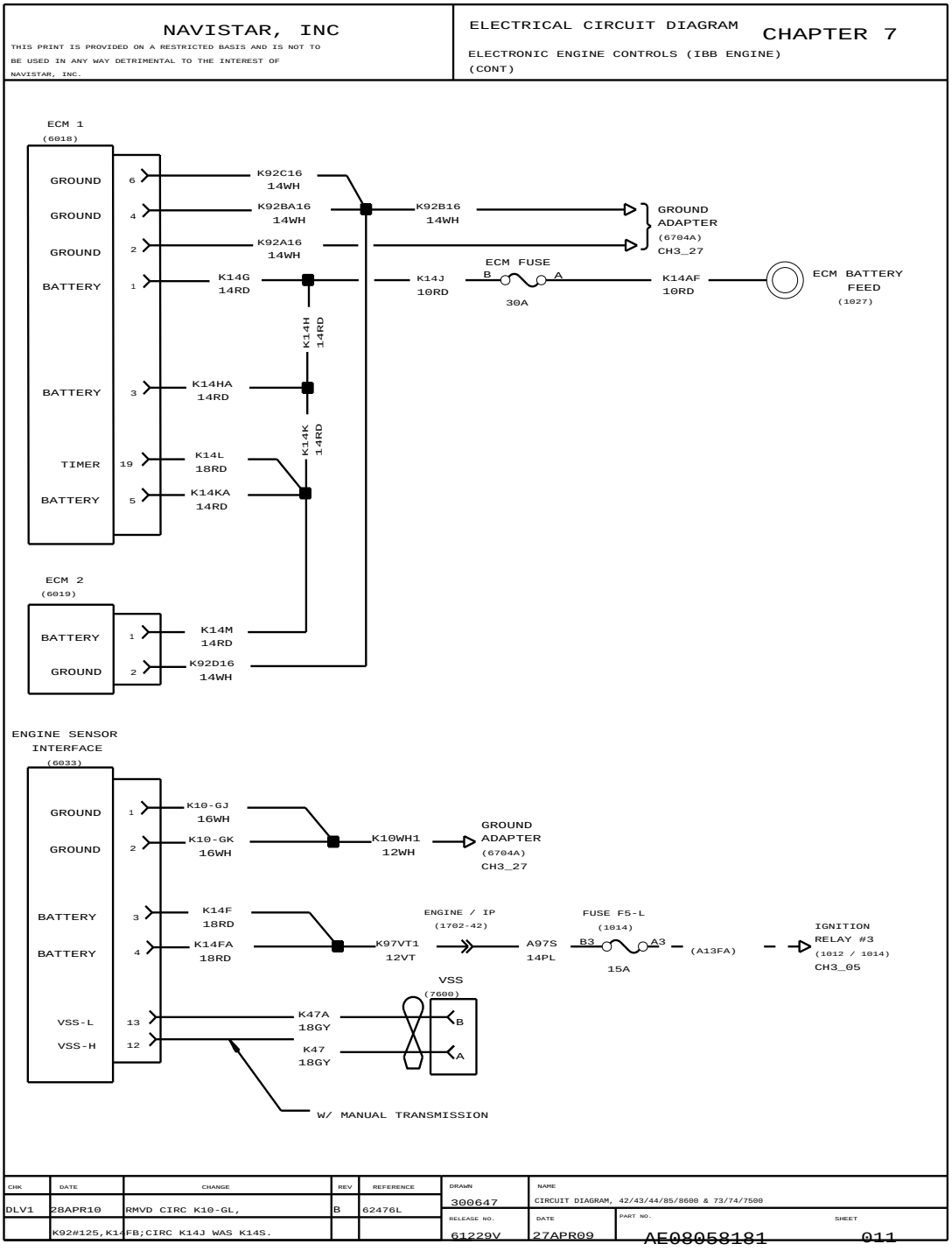

Figure 202 Electronic Engine Controls, IBB Engines (Cont.)

https://truckmanualshub.com/

7.13. ELECTRONIC ENGINE CONTROLS, V8 ENGINES, P. 12

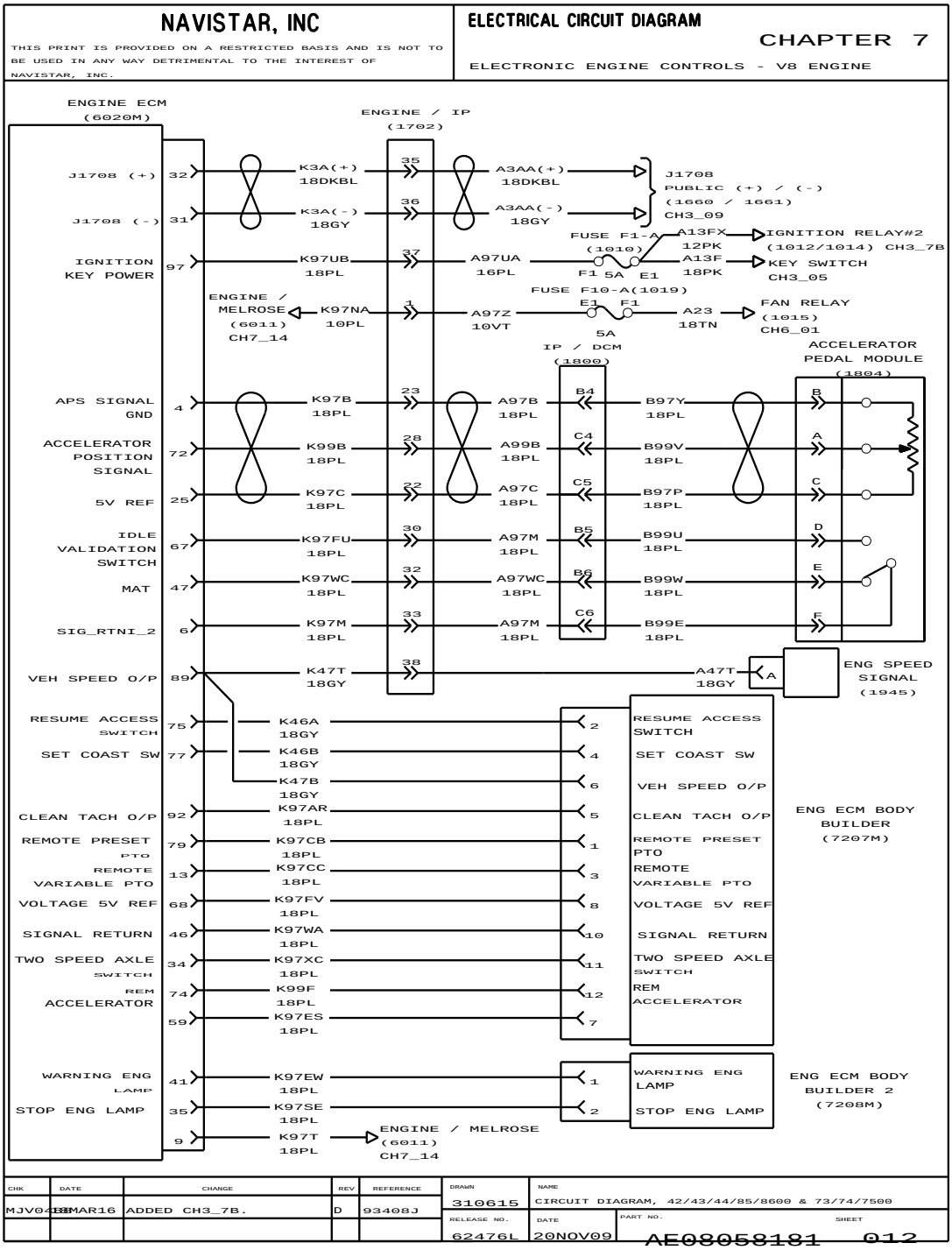

Figure 203 Electronic Engine Controls, V8 Engines

https://truckmanualshub.com/

7.14. ELECTRONIC ENGINE CONTROLS, V8 ENGINES (CONT.), P. 13

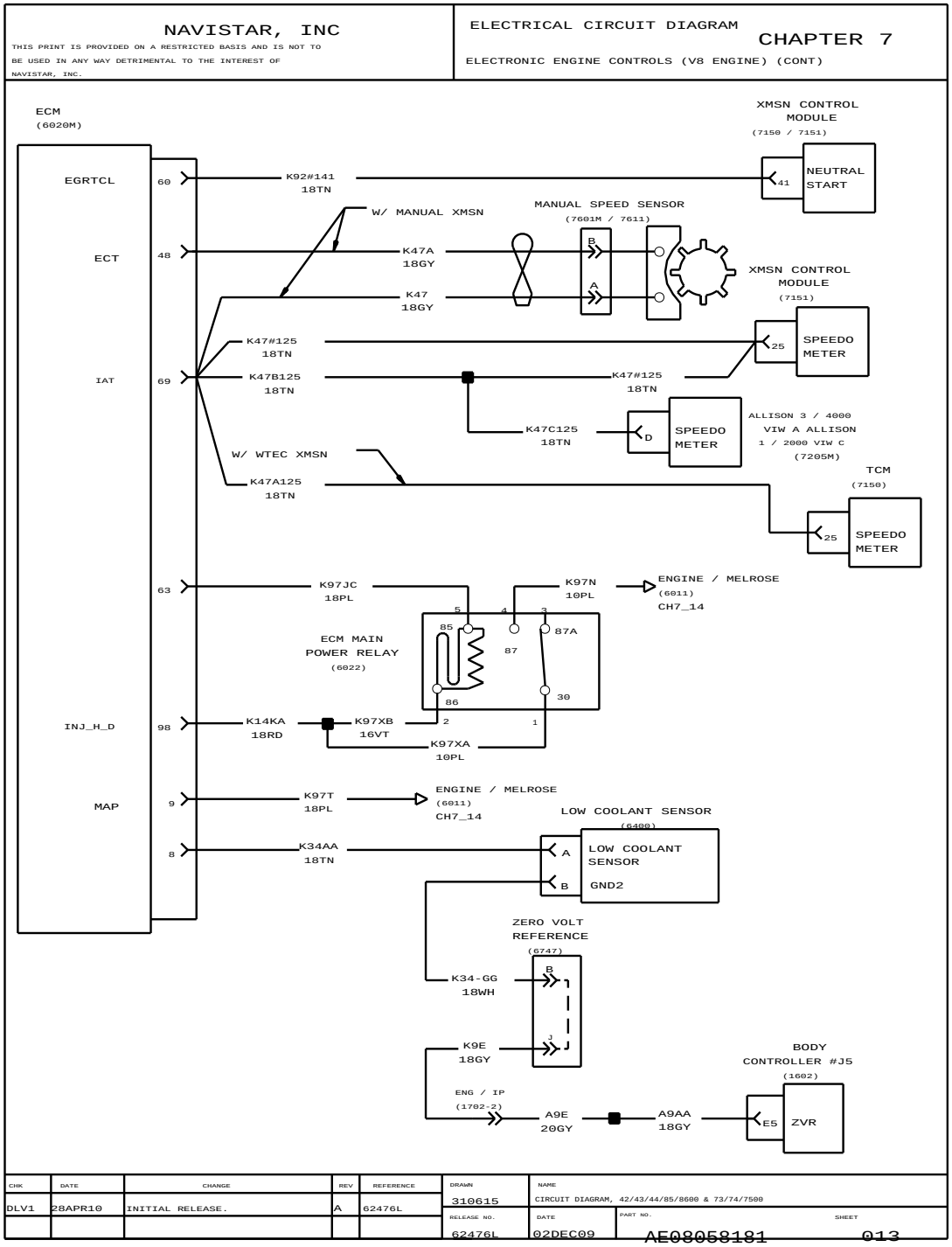

Figure 204 Electronic Engine Controls, V8 Engines (Cont.)

https://truckmanualshub.com/

7.15. ELECTRONIC ENGINE CONTROLS, V8 ENGINES (CONT.), P. 14

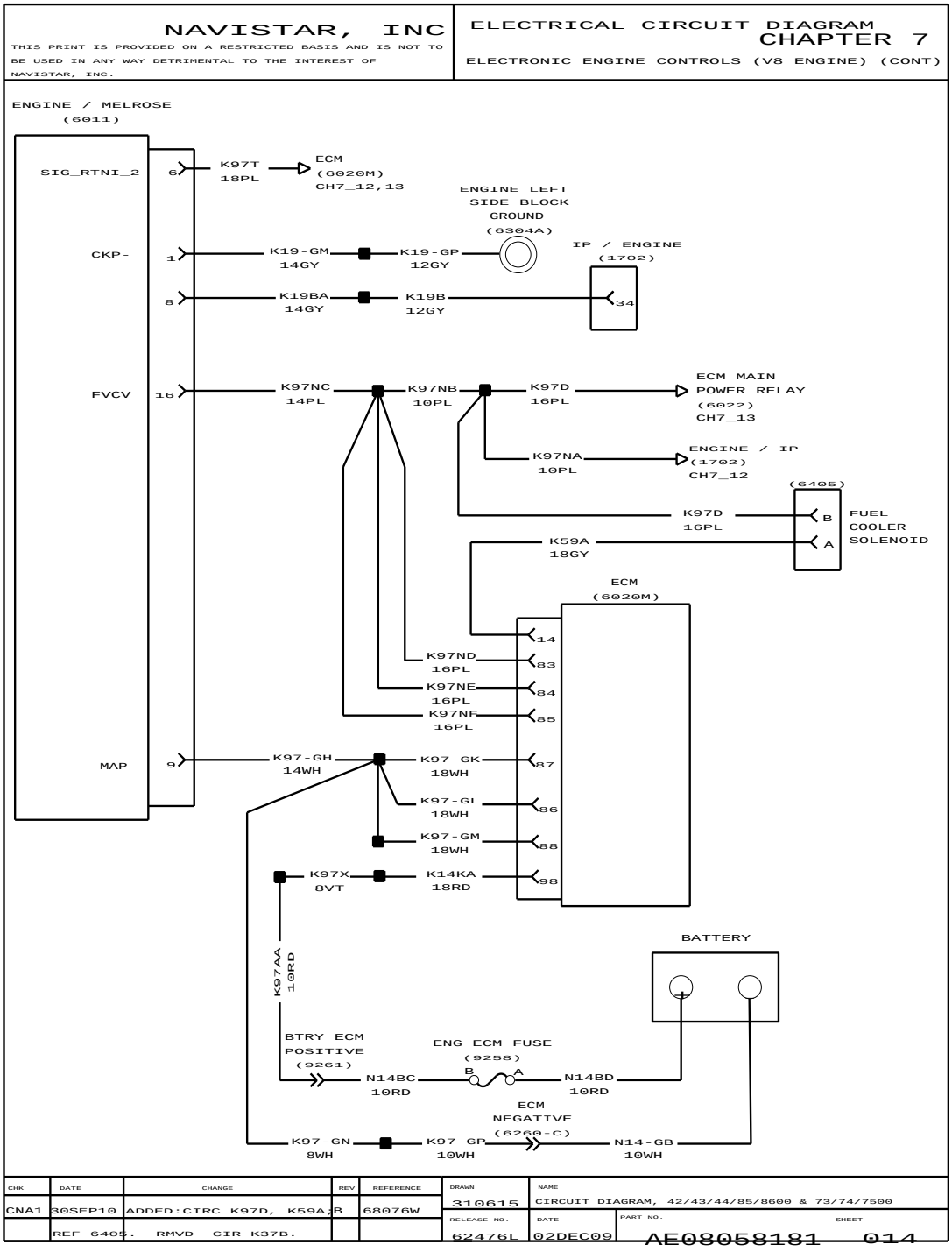

Figure 205 Electronic Engine Controls, V8 Engines (Cont.)

https://truckmanualshub.com/

7.16. ELECTRONIC ENGINE CONTROLS, V8 ENGINES (CONT.), P. 15

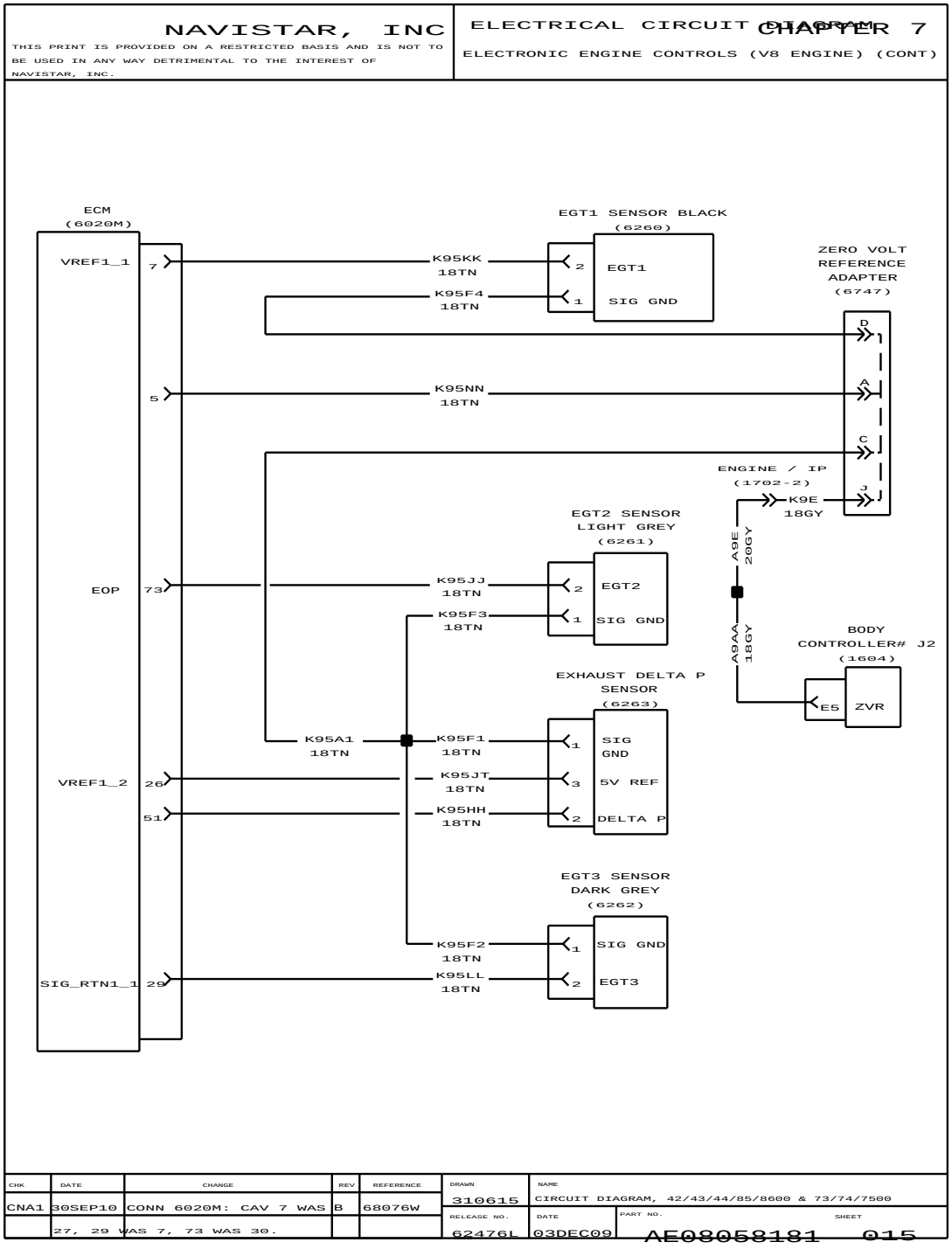

Figure 206 Electronic Engine Controls, V8 Engines (Cont.)

https://truckmanualshub.com/

7.17. ENGINE ECM POWER – V8 ENGINE, P. 16

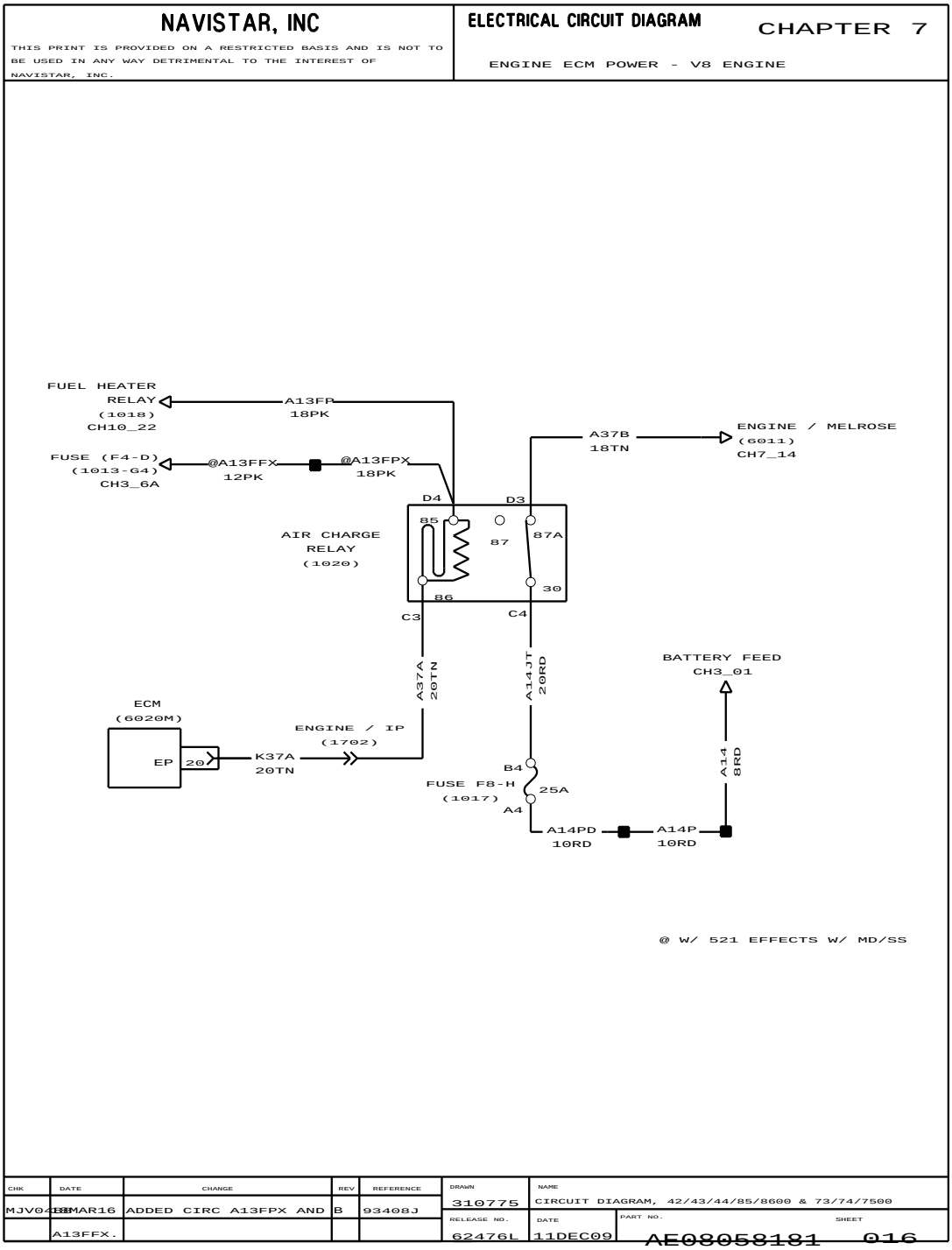

Figure 207 Engine ECM Power – V8 Engine

https://truckmanualshub.com/

7.18. ELECTRONIC ENGINE CONTROLS – I6 ENGINE (CONT.), P. 17

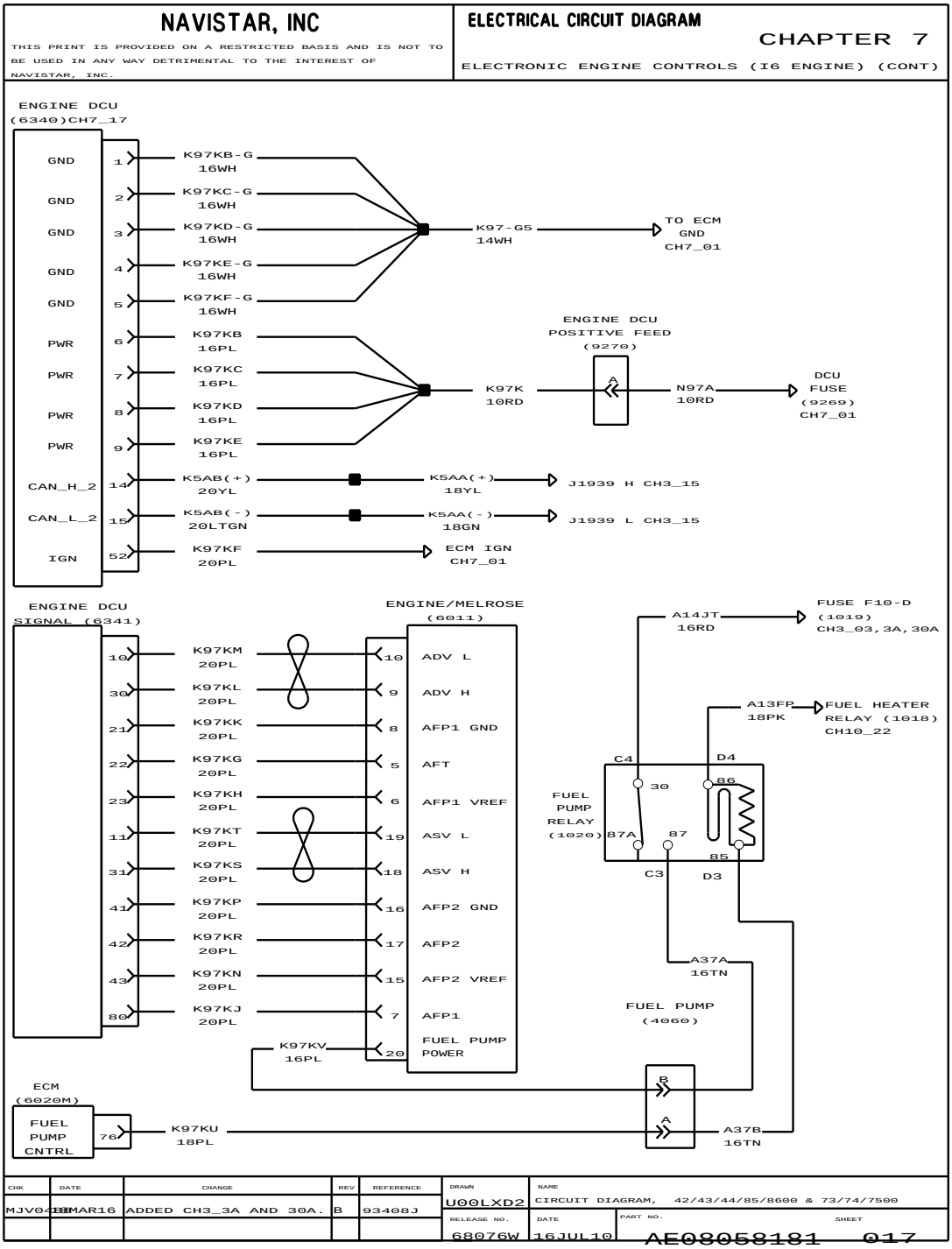

Figure 208 Electronic Engine Controls – I6 Engine (Cont.)

https://truckmanualshub.com/

7.19. ELECTRONIC ENGINE CONTROLS – I6 ENGINE (CONT.) WITH EXHAUST BRAKE, P. 18

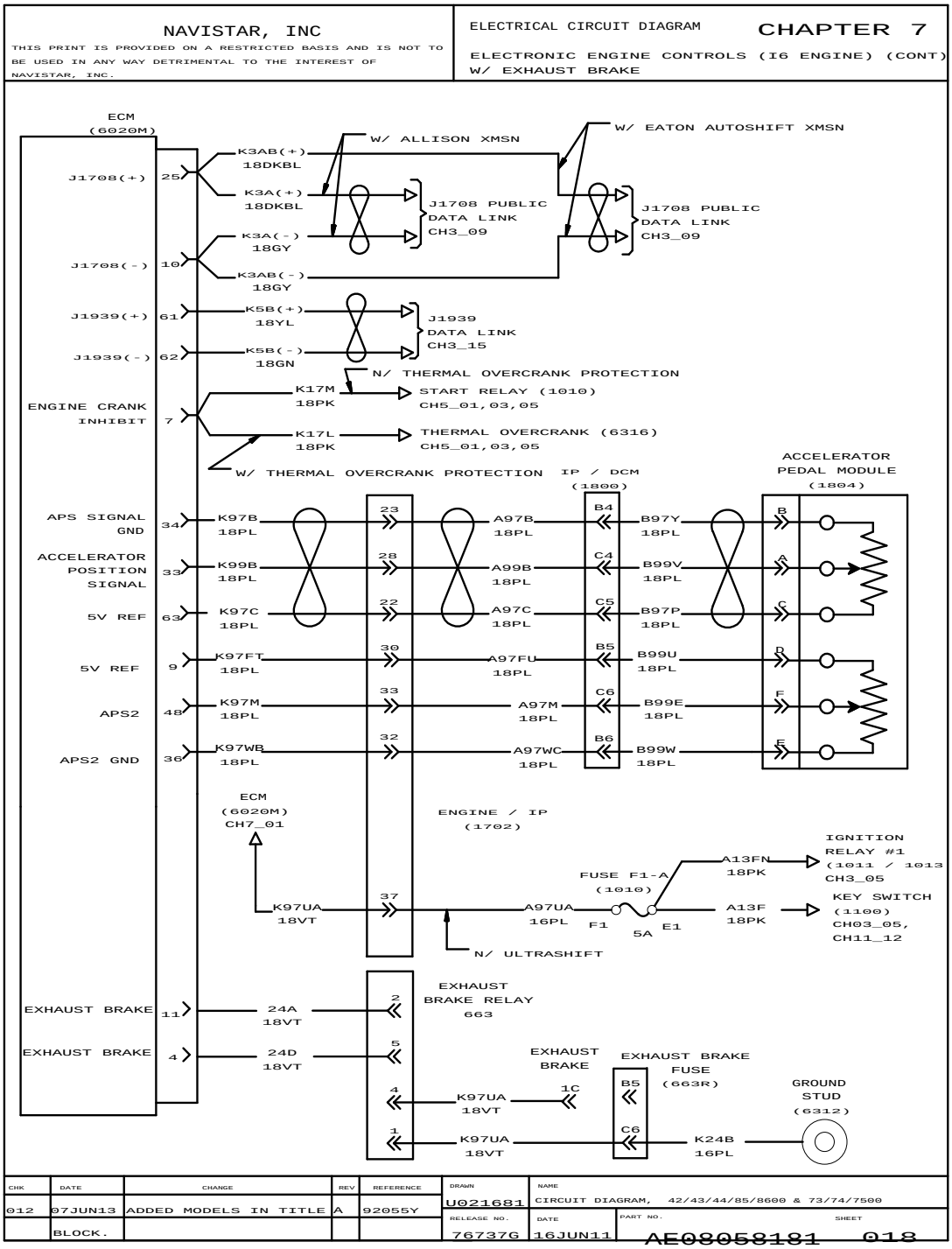

Figure 209 Electronic Engine Controls – I6 Engine (Cont.) with Exhaust Brake

https://truckmanualshub.com/

7.20. ELECTRONIC ENGINE CONTROLS – I6 ENGINE (CONT.) WITH W.I.F., P. 19

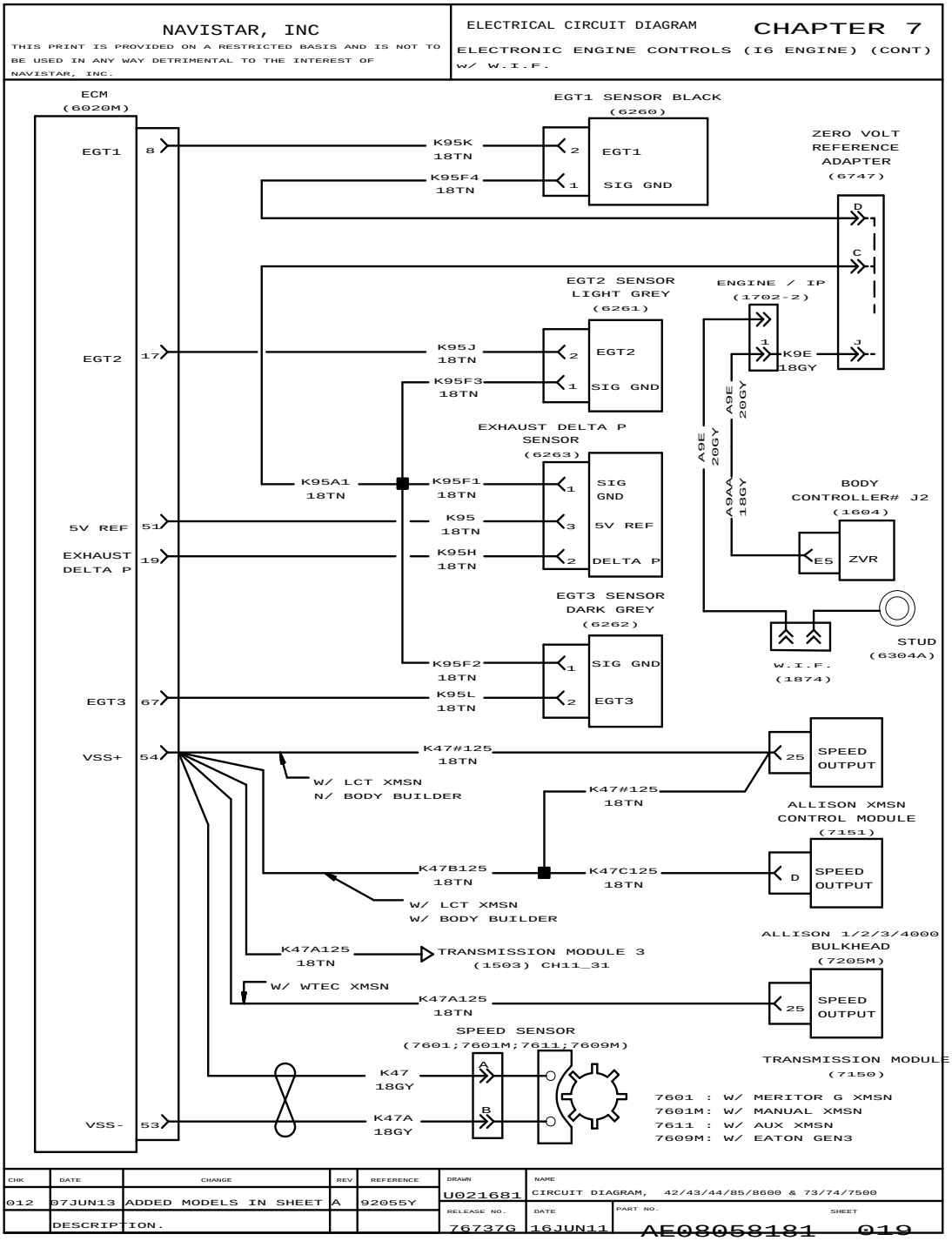

Figure 210 Electronic Engine Controls – I6 Engine (Cont.) with W.I.F.

https://truckmanualshub.com/

7.21. ELECTRONIC ENGINE CONTROLS – I6 ENGINE WITH SCR SYSTEM, P. 20

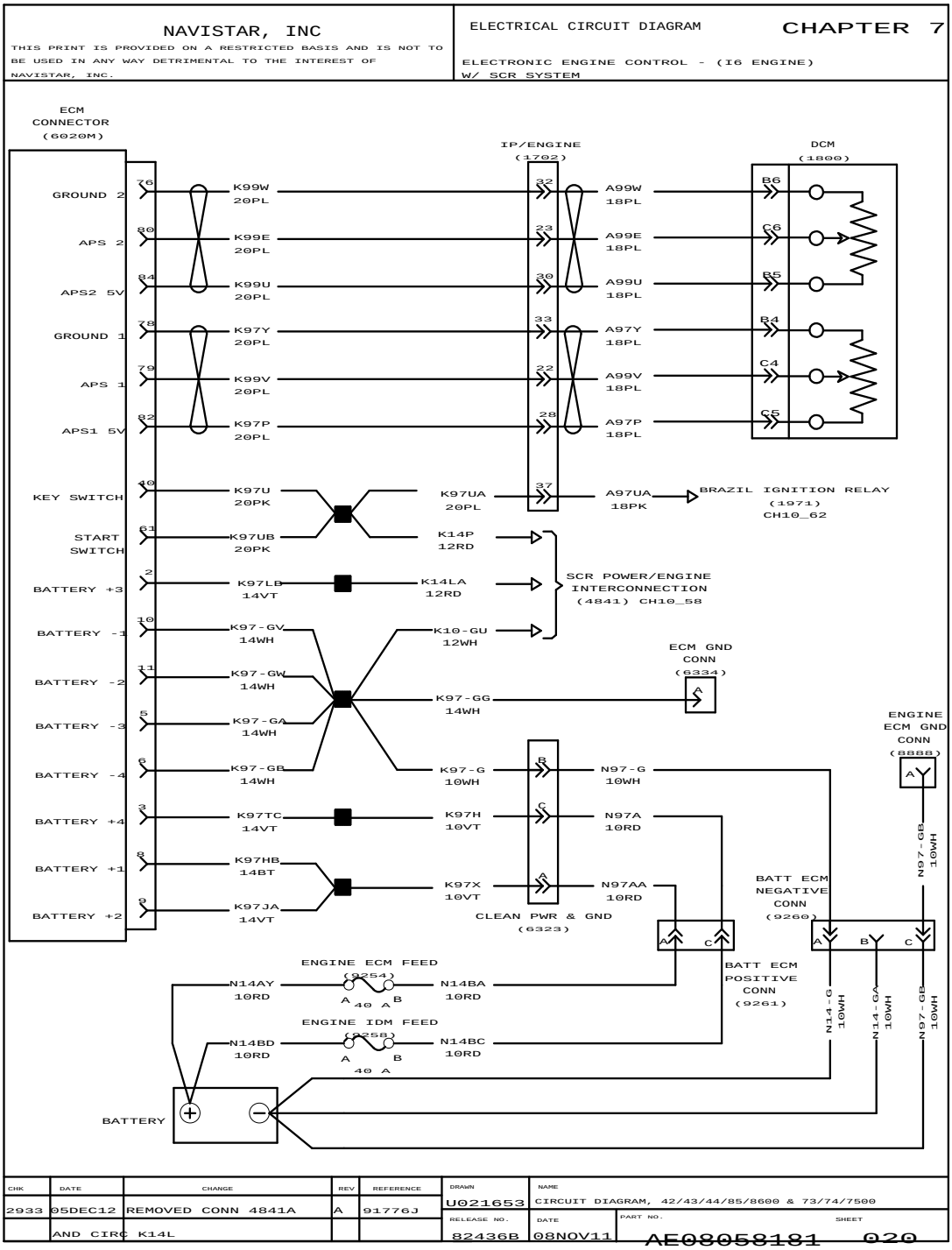

Figure 211 Electronic Engine Controls – I6 Engine with SCR System

https://truckmanualshub.com/

7.22. ELECTRONIC ENGINE CONTROLS – I6 ENGINE WITH SCR SYSTEM (CONT.), P. 21

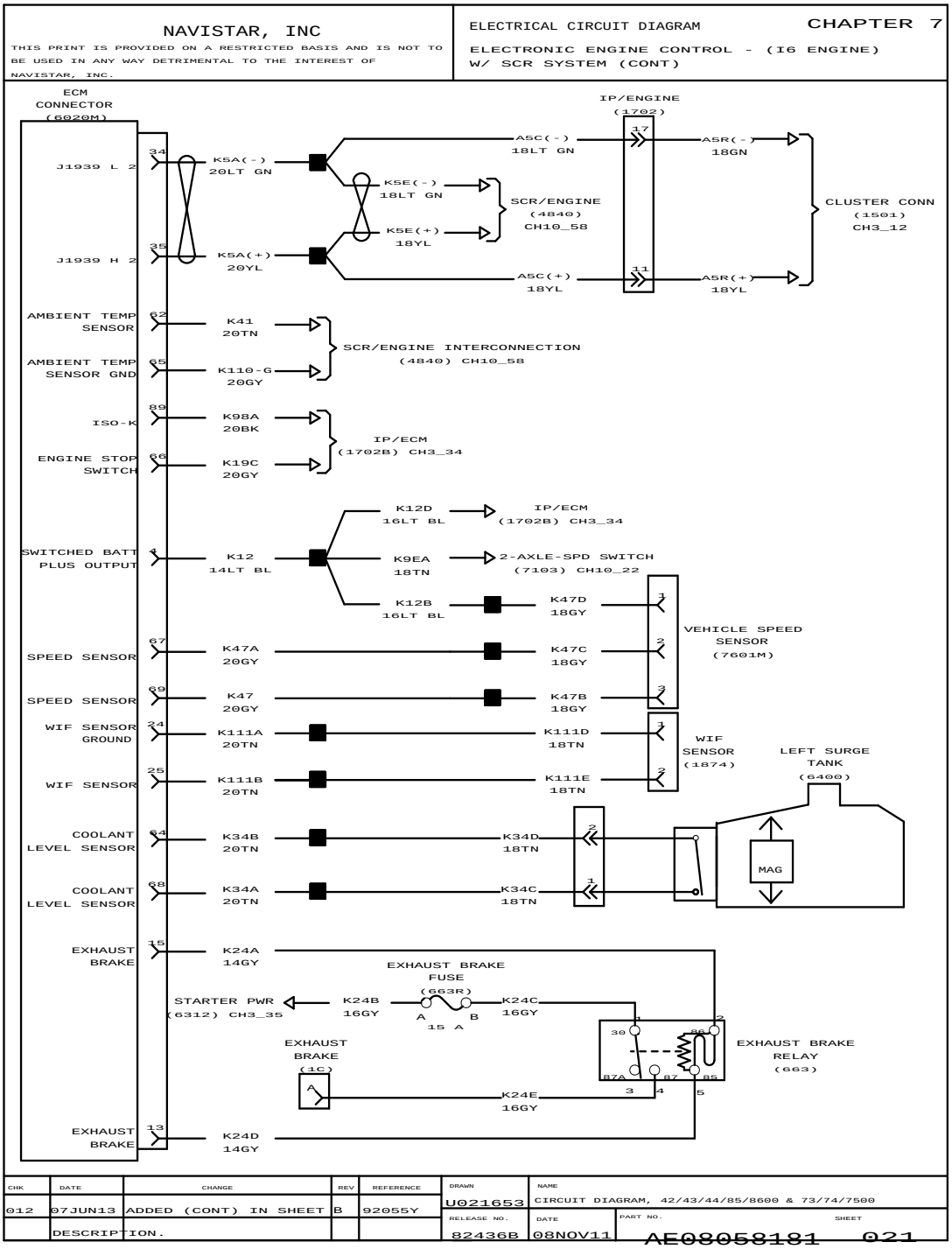

Figure 212 Electronic Engine Controls – I6 Engine with SCR System (Cont.)

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7.23. ELECTRONIC ENGINE CONTROLS – I6 ENGINE WITH SCR SYSTEM (CONT.), P. 22

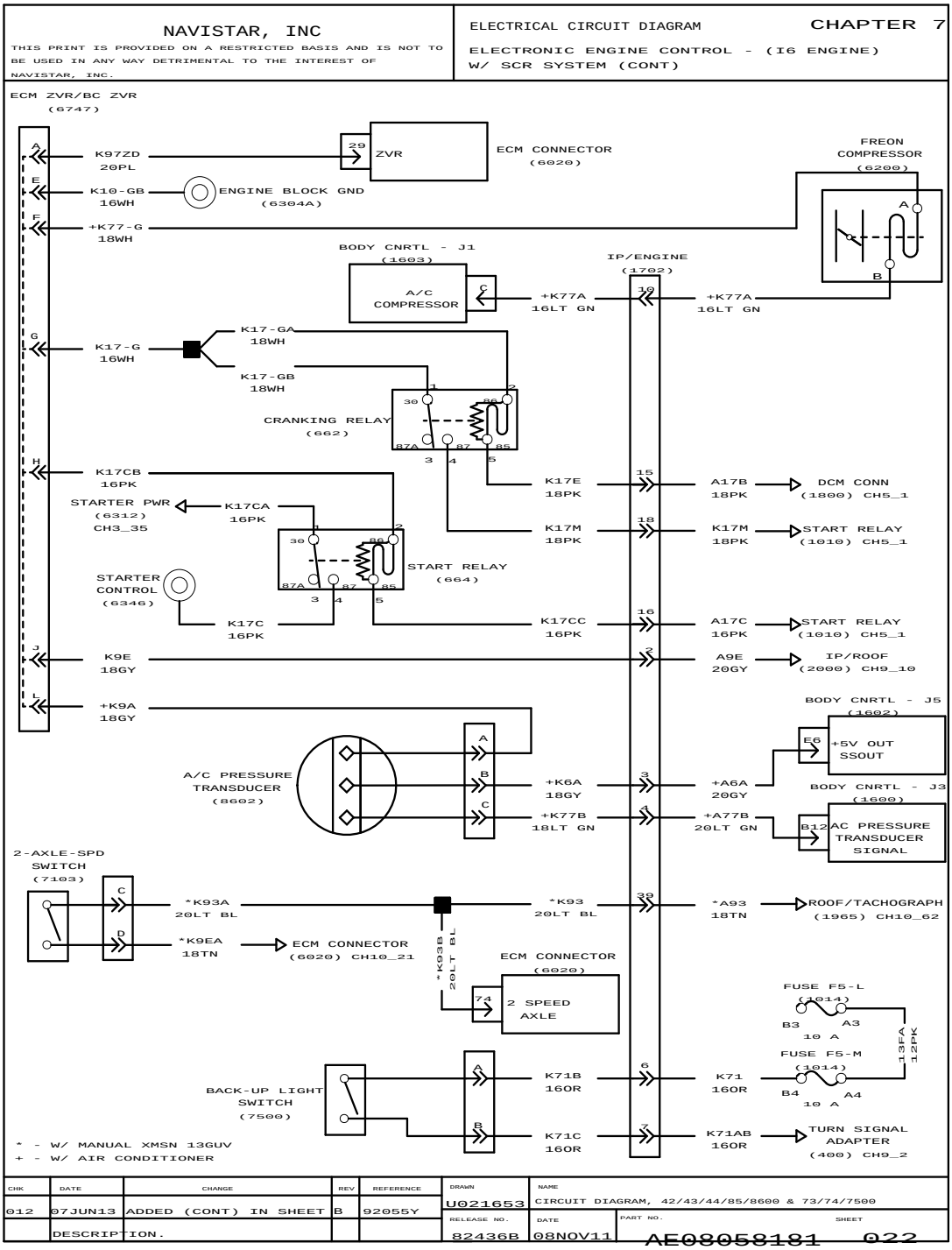

Figure 213 Electronic Engine Controls – I6 Engine with SCR System (Cont.)

https://truckmanualshub.com/

7.24. ELECTRONIC ENGINE CONTROLS (ISL– G ENGINE), P. 23

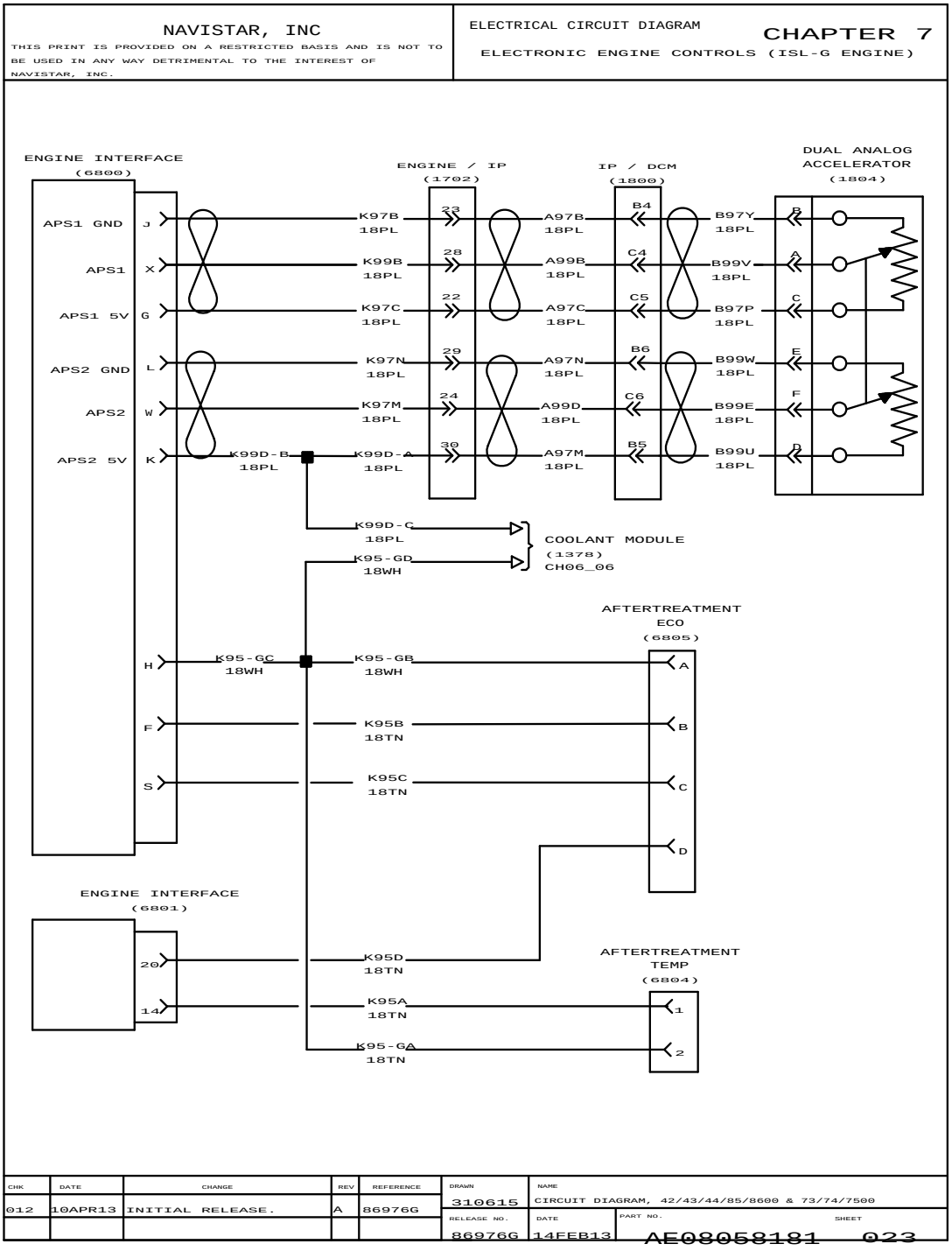

Figure 214 Electronic Engine Controls (ISL– G Engine)

https://truckmanualshub.com/

7.25. ELECTRONIC ENGINE CONTROLS (ISL – G ENGINE) (CONT.), P. 24

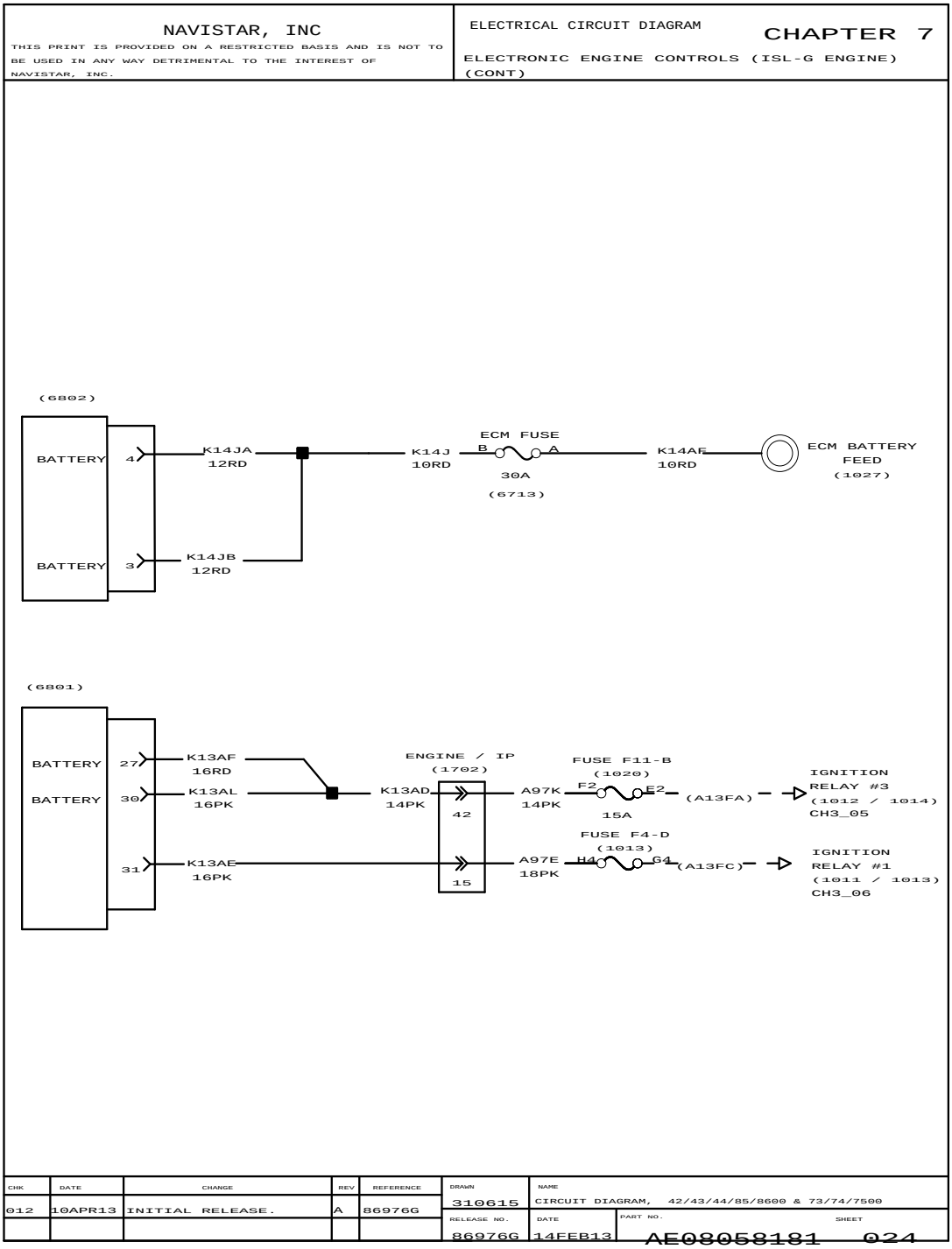

Figure 215 Electronic Engine Controls (ISL – G Engine) (Cont.)

https://truckmanualshub.com/

7.26. ELECTRONIC ENGINE CONTROL (2010 SCR 13L ENGINE), P. 25

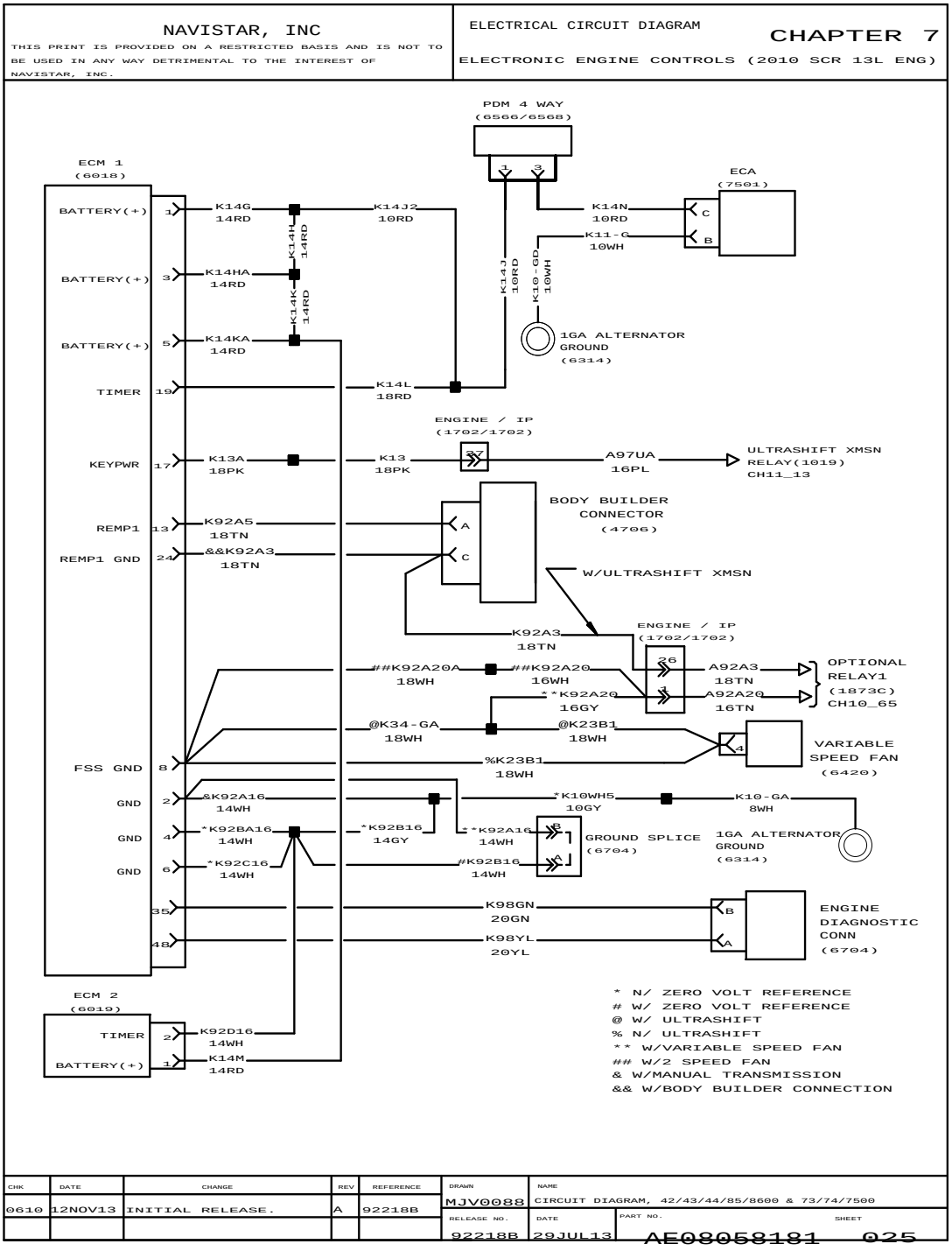

Figure 216 Electronic Engine Control (2010 SCR 13L Engine)

https://truckmanualshub.com/

7.27. ELECTRONIC ENGINE CONTROL (2010 SCR 13L ENGINE) (CONT.), P. 26

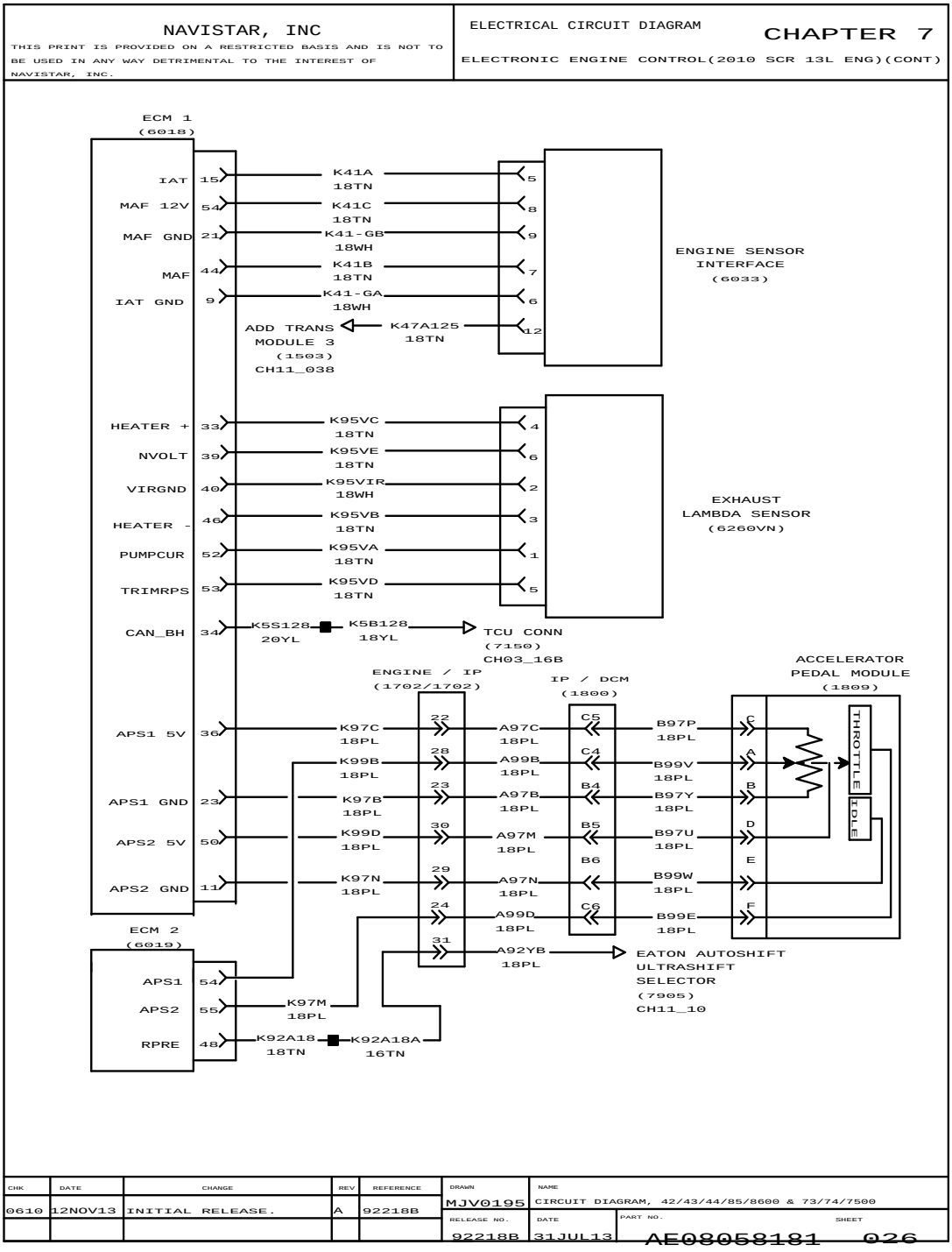

Figure 217 Electronic Engine Control (2010 SCR 13L Engine) (Cont.)

https://truckmanualshub.com/

7.28. ELECTRONIC ENGINE CONTROL (2010 SCR 13L ENGINE) (CONT.), P. 27

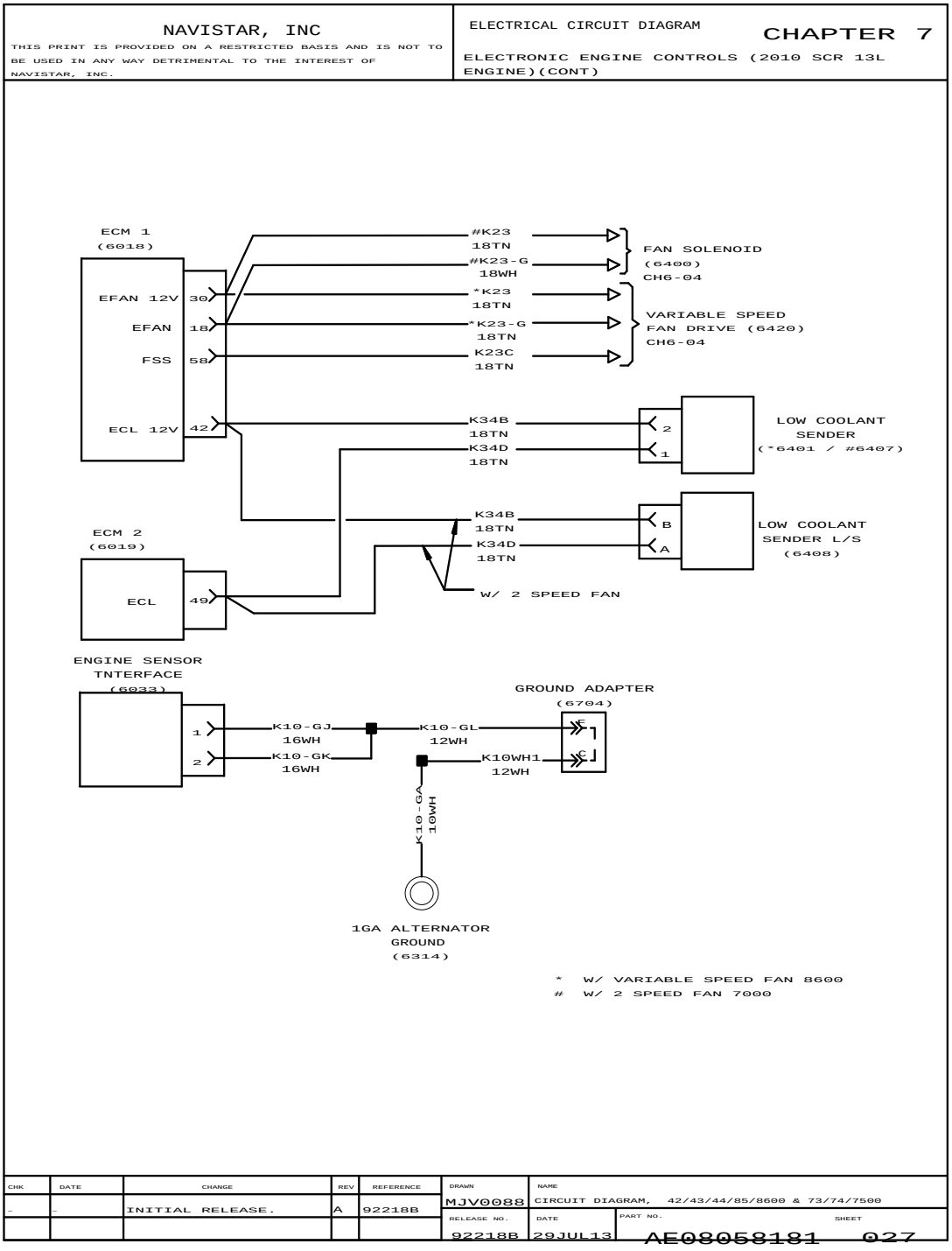

Figure 218 Electronic Engine Control (2010 SCR 13L Engine) (Cont.)

https://truckmanualshub.com/

7.29. ELECTRONIC ENGINE CONTROL (2010 SCR 13L ENGINE) (CONT.), P. 28

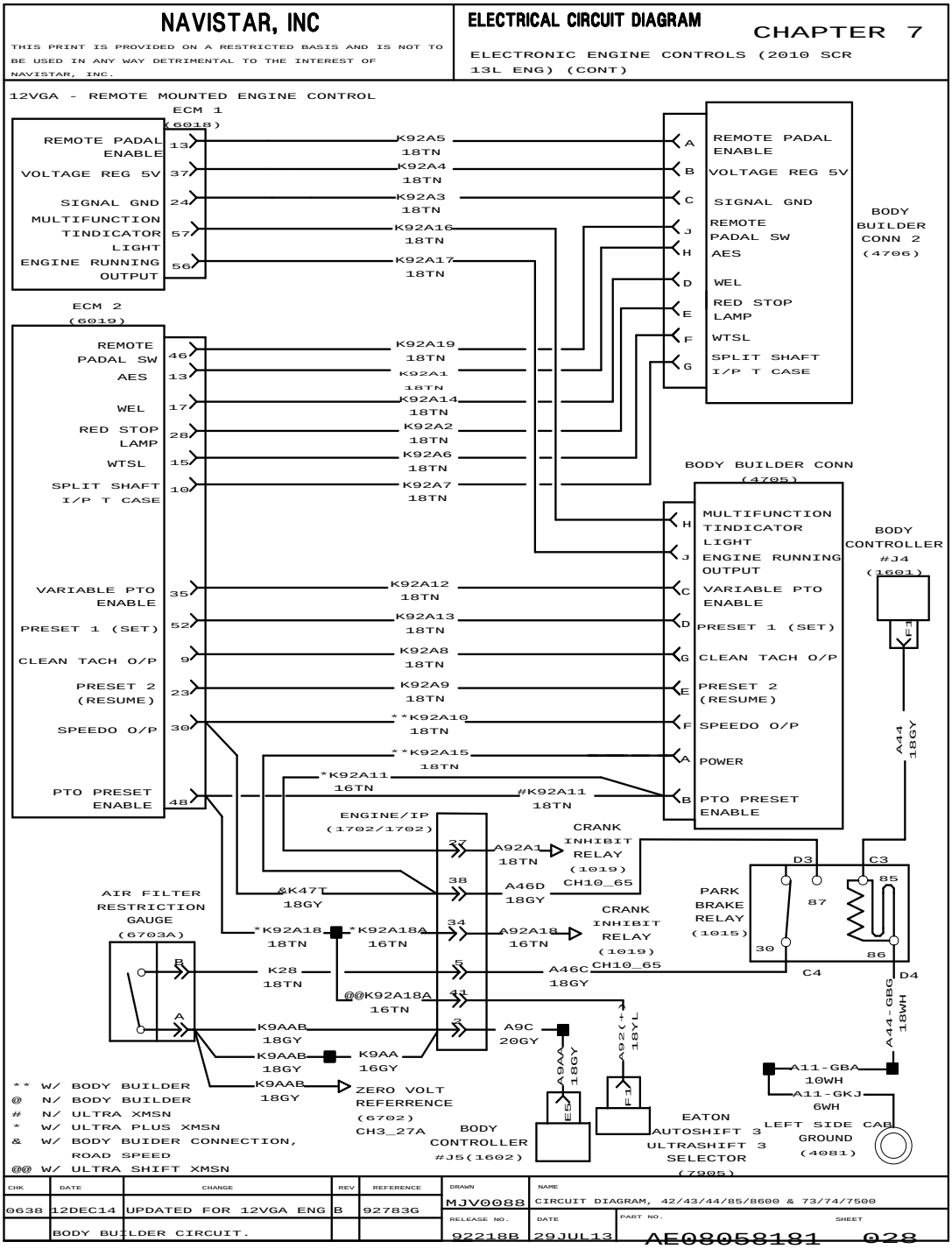

Figure 219 Electronic Engine Control (2010 SCR 13L Engine) (Cont.)

https://truckmanualshub.com/

7.30. ELECTRONIC ENGINE CONTROL (2010 SCR 13L ENGINE) (CONT.), P. 29

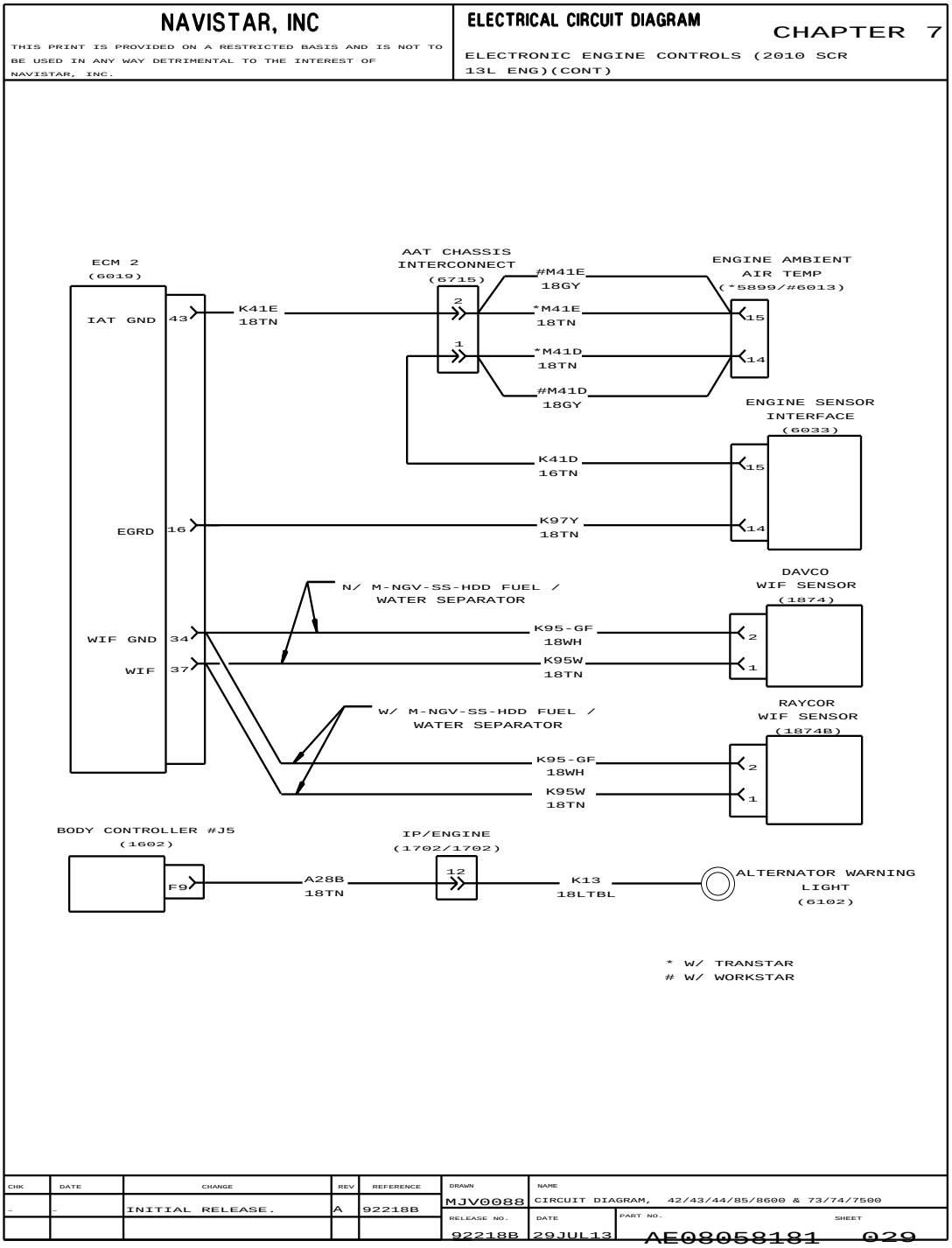

Figure 220 Electronic Engine Control (2010 SCR 13L Engine) (Cont.)

https://truckmanualshub.com/

7.31. ELECTRONIC ENGINE CONTROL (2010 SCR 13L ENGINE) (CONT.), P. 30

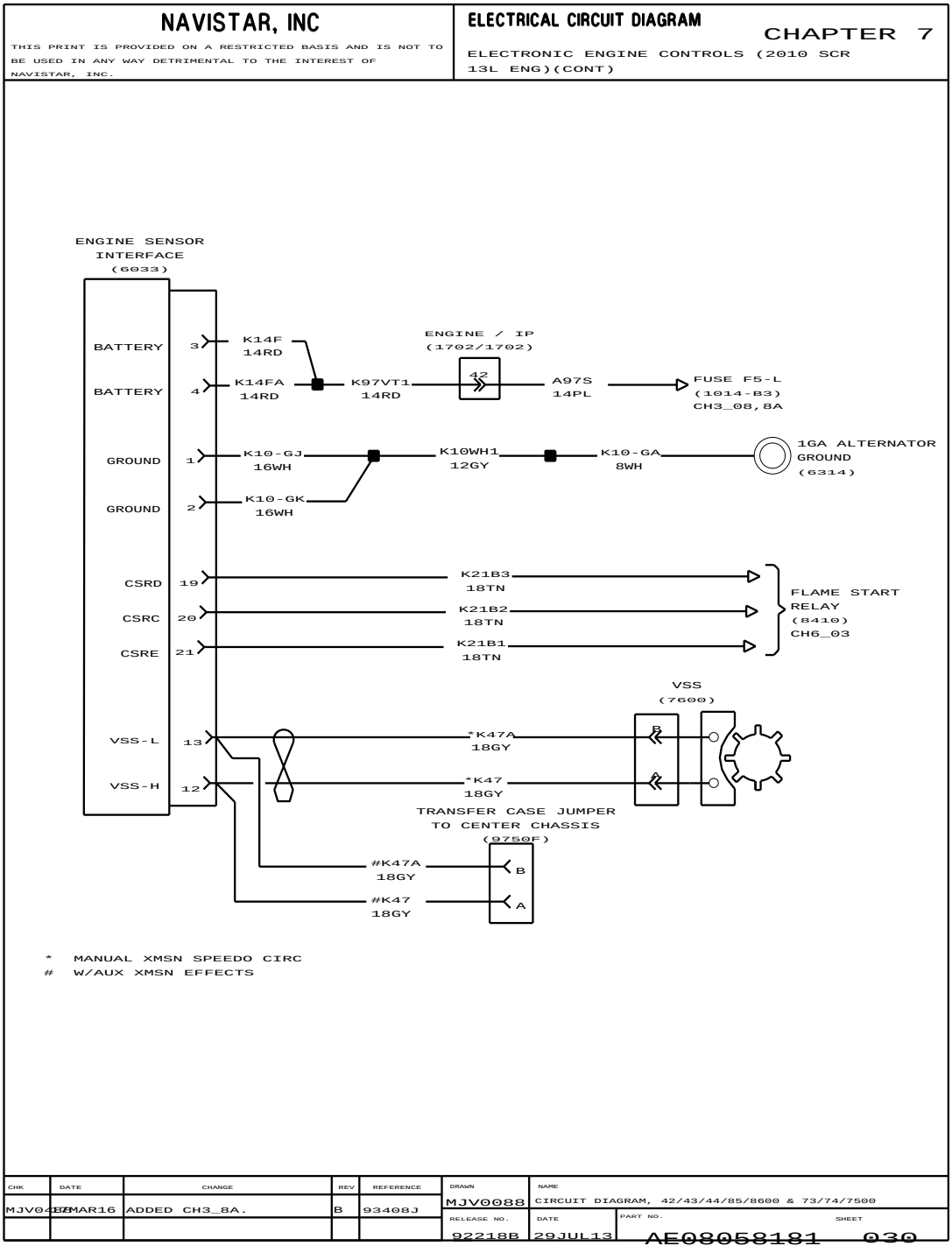

Figure 221 Electronic Engine Control (2010 SCR 13L Engine) (Cont.)

https://truckmanualshub.com/

7.32. ENGINE ECM POWER (2010 SCR 13L ENGINE), P. 31

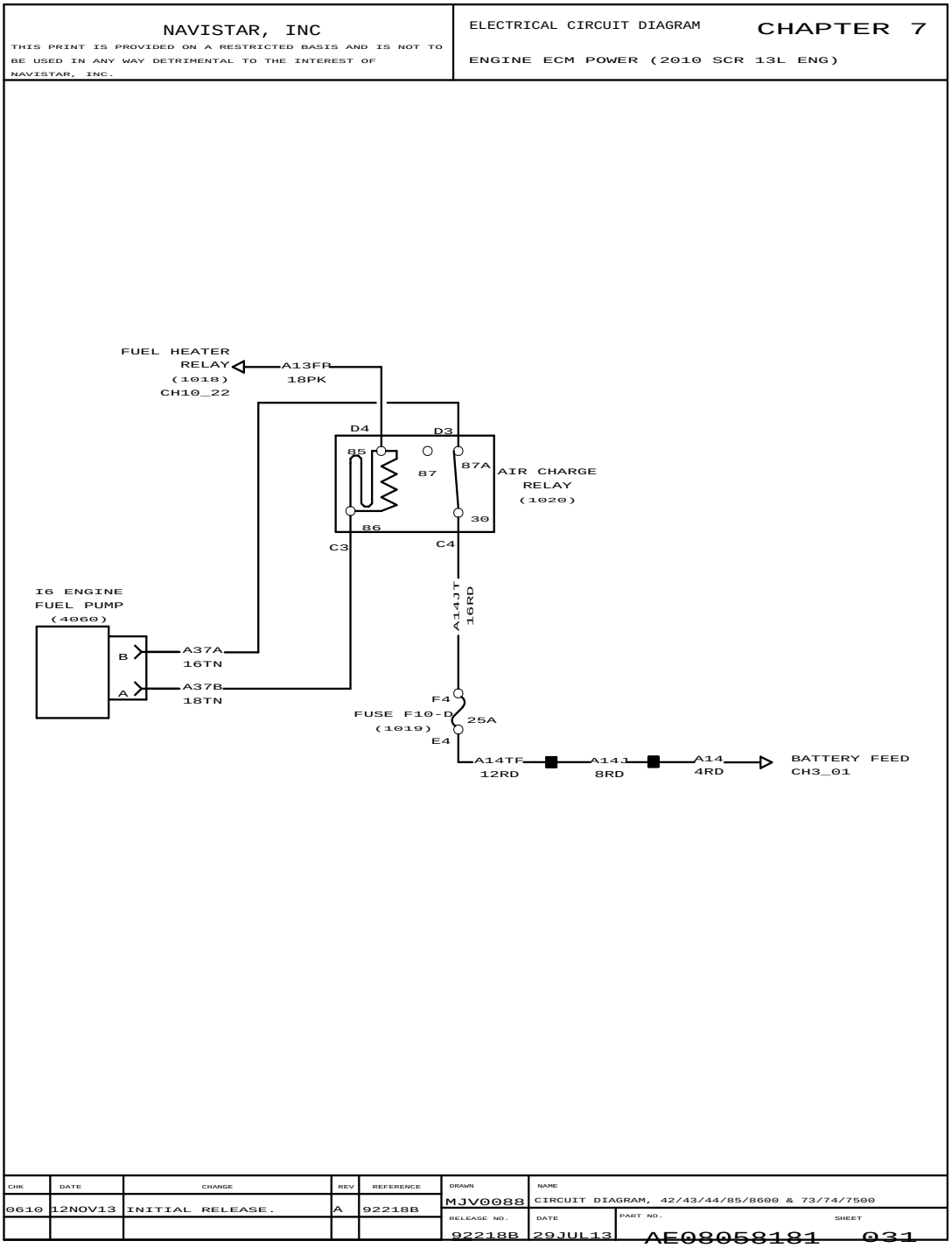

Figure 222 Engine ECM Power (2010 SCR 13L Engine)

https://truckmanualshub.com/

7.33. DEF & AFTERTREATMENT (2010 SCR 13L ENGINE), P. 32

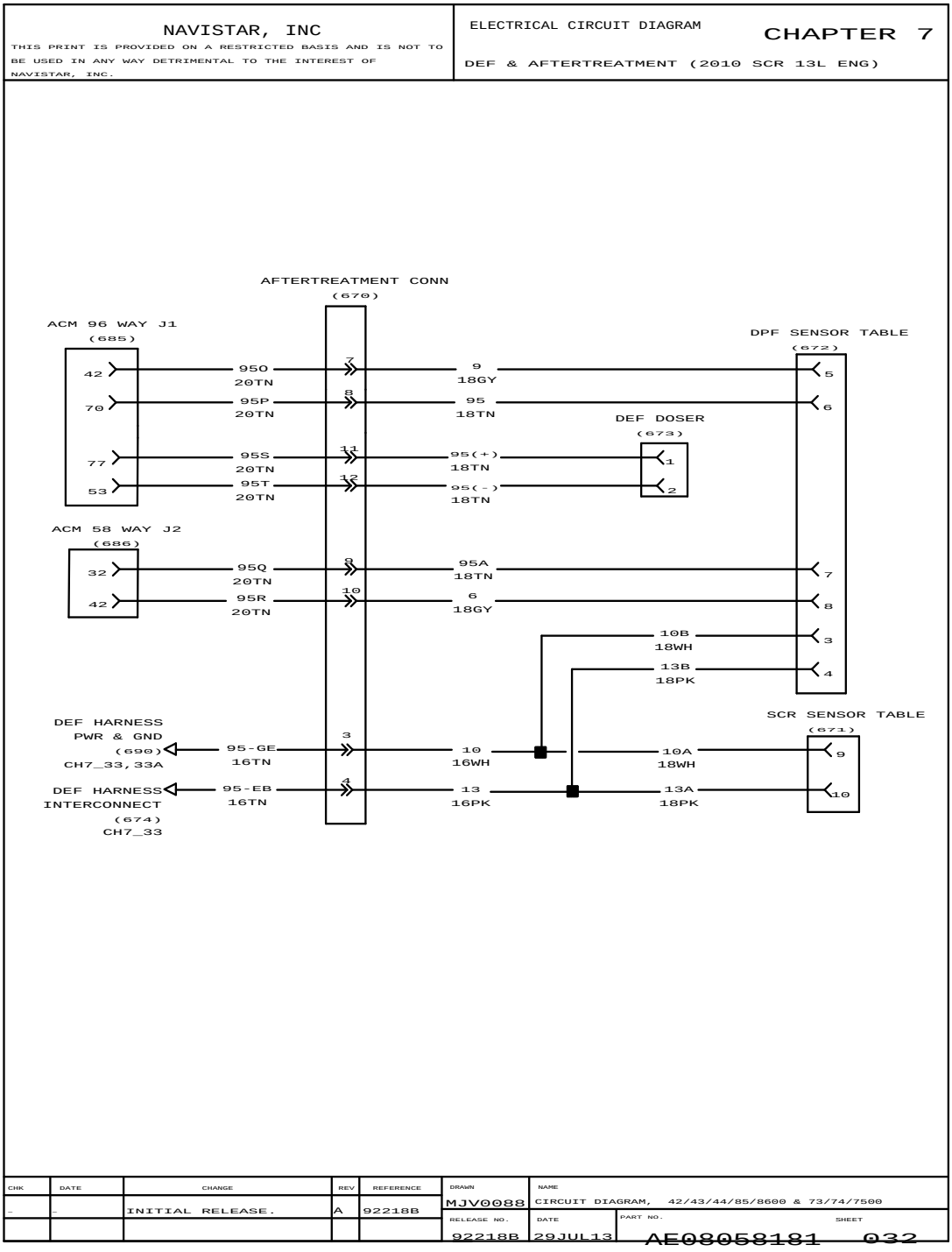

Figure 223 DEF & Aftertreatment (2010 SCR 13L Engine)

https://truckmanualshub.com/

7.34. DEF & AFTERTREATMENT (2010 SCR 13L ENGINE) (CONT.), P. 33

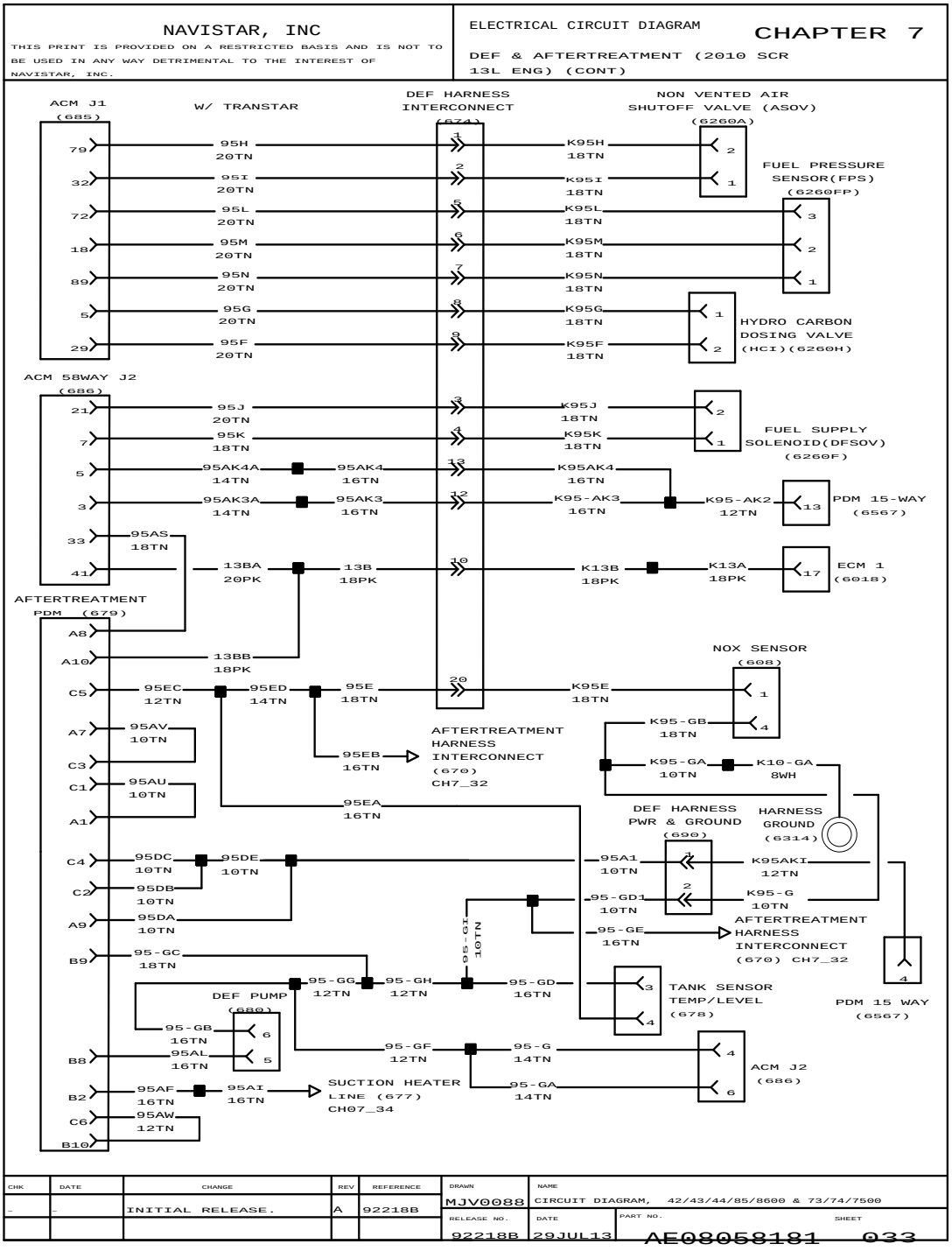

Figure 224 DEF & Aftertreatment (2010 SCR 13L Engine) (Cont.)

https://truckmanualshub.com/

7.35. DEF & AFTERTREATMENT (2010 SCR 13L ENGINE) (CONT.), P. 33A

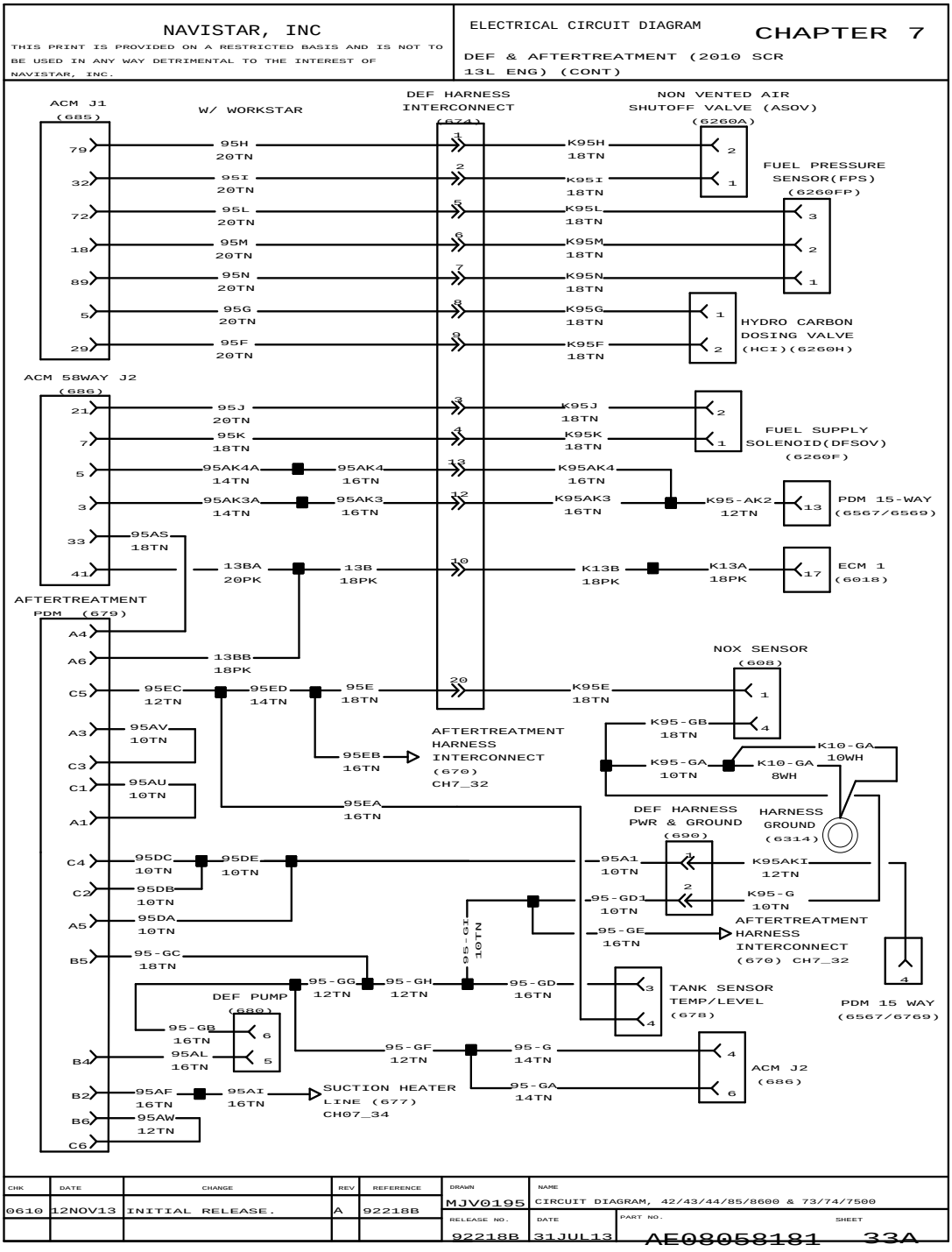

Figure 225 DEF & Aftertreatment (2010 SCR 13L Engine) (Cont.)

https://truckmanualshub.com/

7.36. DEF & AFTERTREATMENT (2010 SCR 13L ENGINE) (CONT.), P. 34

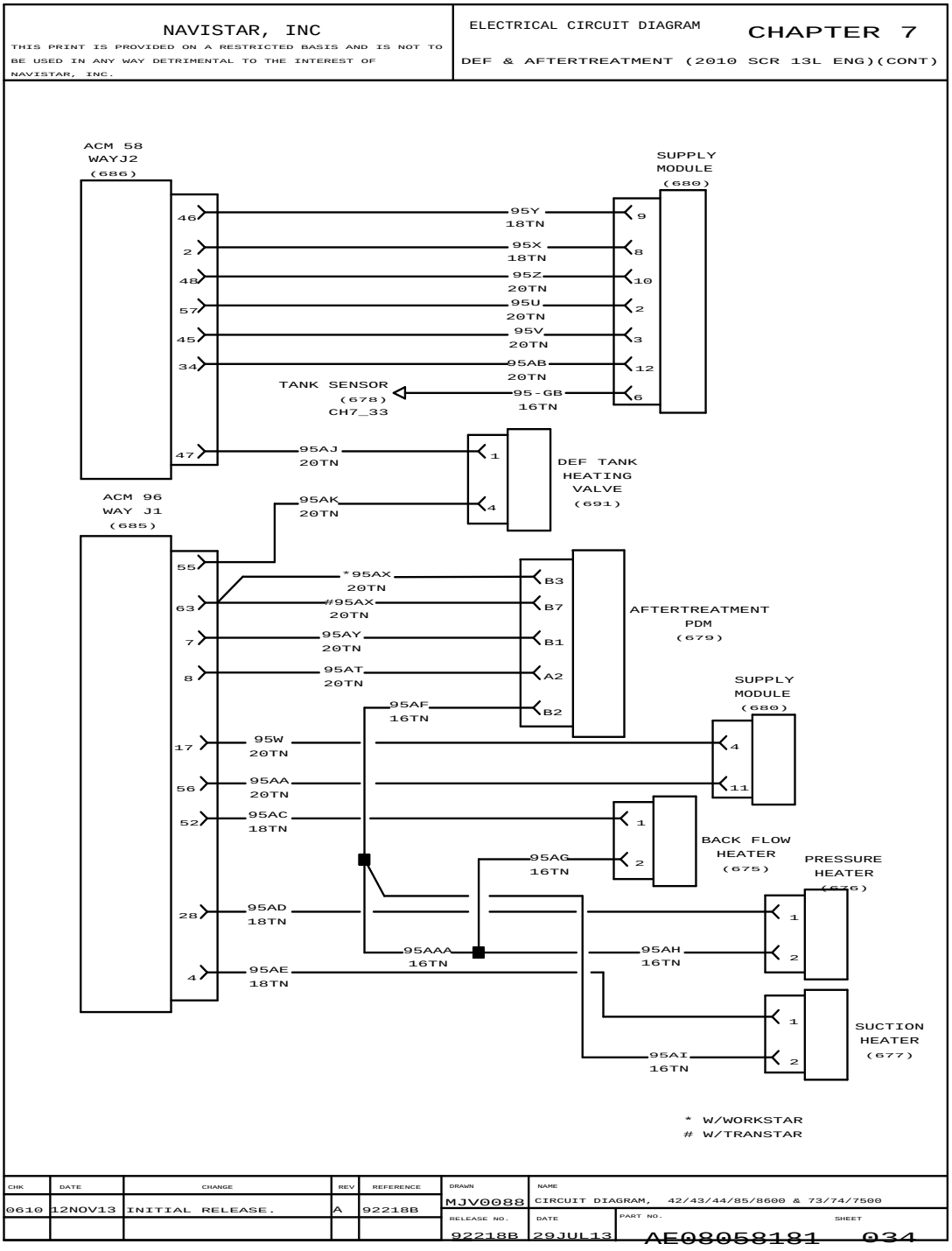

Figure 226 DEF & Aftertreatment (2010 SCR 13L Engine) (Cont.)

https://truckmanualshub.com/

7.37. CAB J1939 DATA LINK (2010 SCR 13L ENGINE), P. 35

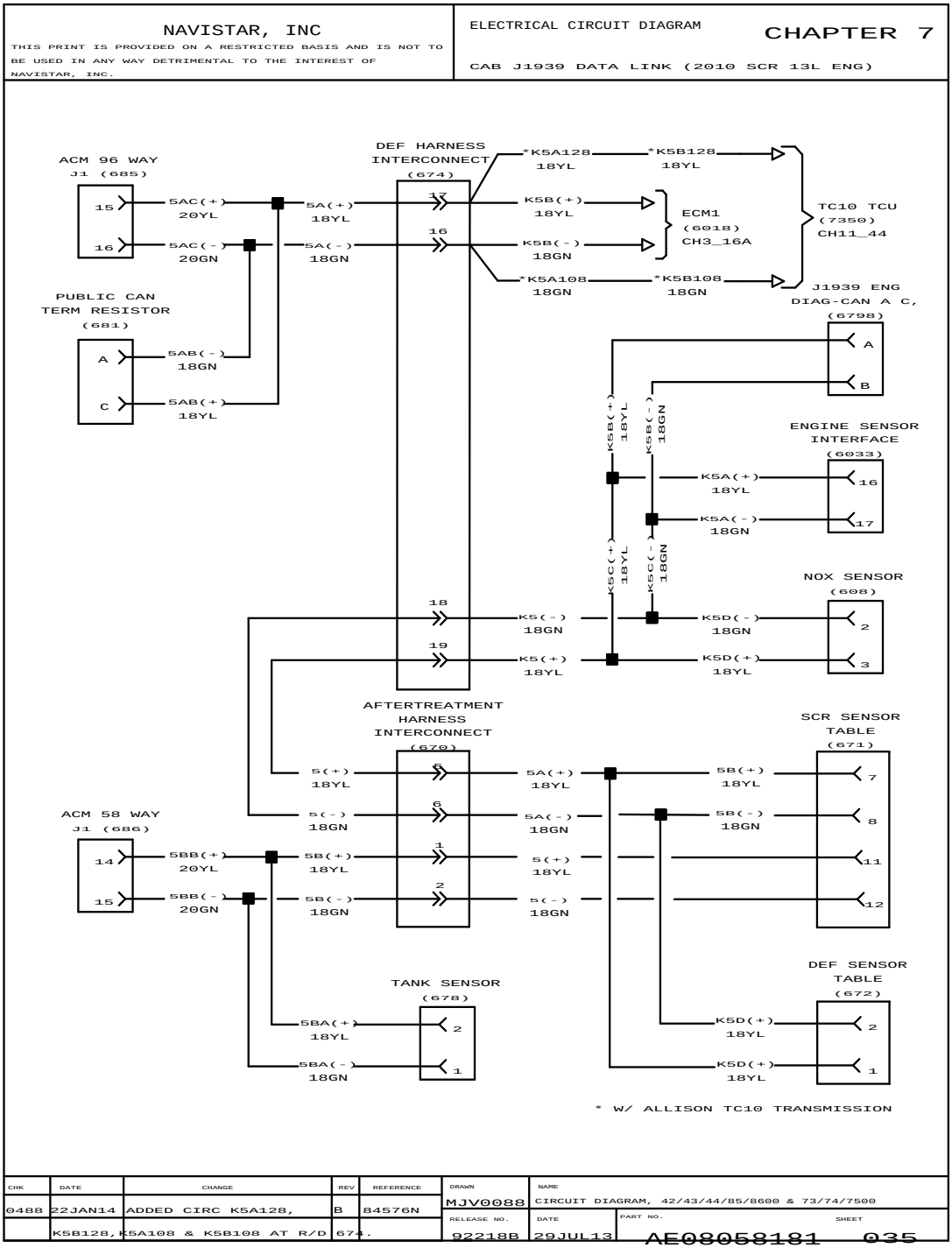

Figure 227 Cab J1939 Data Link (2010 SCR 13L Engine)

https://truckmanualshub.com/

7.38. INTERNATIONAL BIG BORE ENGINE (IBBE) (2010 SCR 13L ENGINE), P. 36

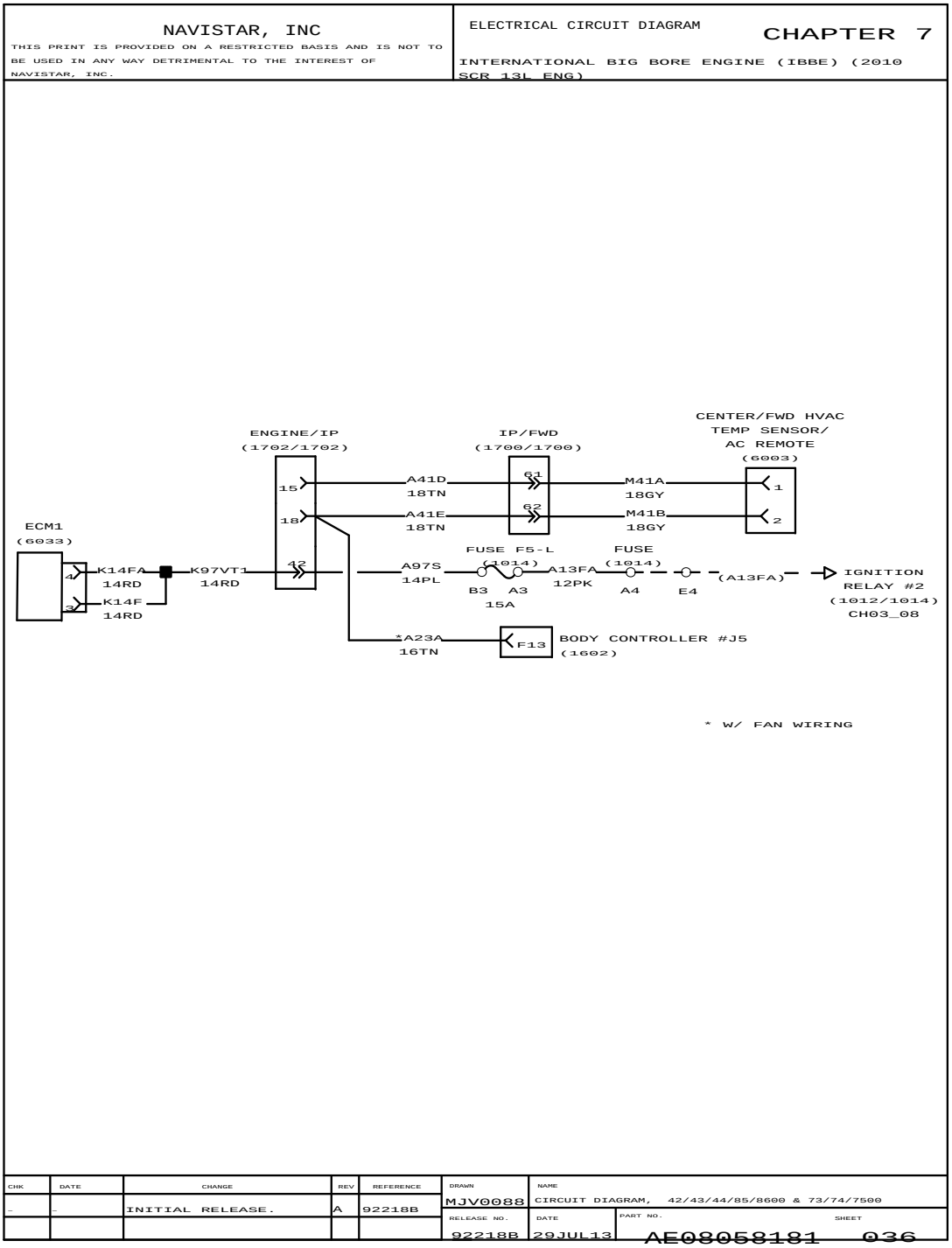

Figure 228 International Big Bore Engine (IBBE) (2010 SCR 13L Engine)

https://truckmanualshub.com/

7.39. ACCELERATOR – MWM E6 (2010 SCR 13L ENGINE), P. 37

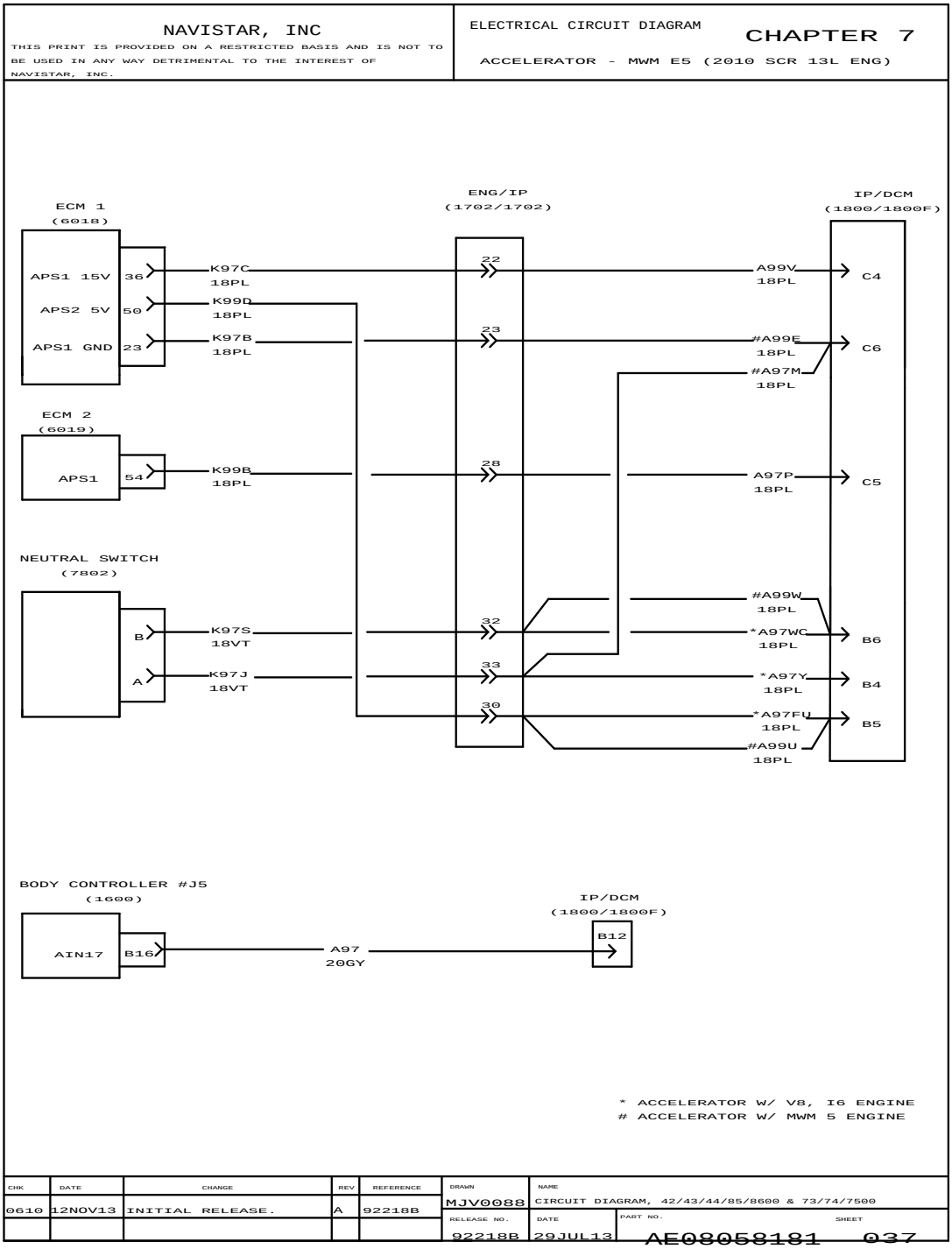

Figure 229 Accelerator – MWM E6 (2010 SCR 13L Engine)

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7.40. EATON VORAD – VS400 (2010 SCR 13L ENGINE), P. 38

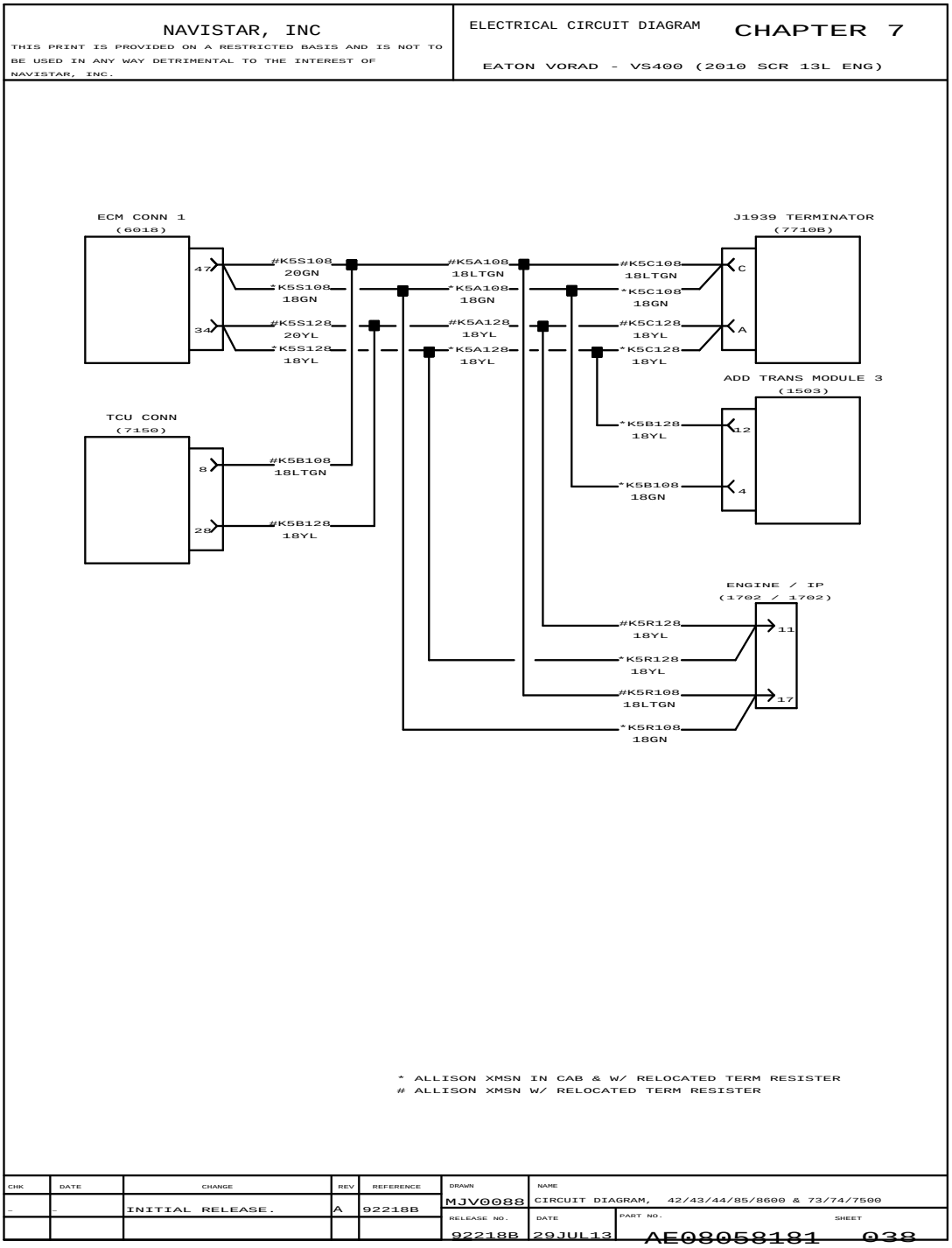

Figure 230 Eaton Vorad – VS400 (2010 SCR 13L Engine)

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7.41. EATON VORAD – VS400 (2010 SCR 13L ENGINE) (CONT.), P. 39

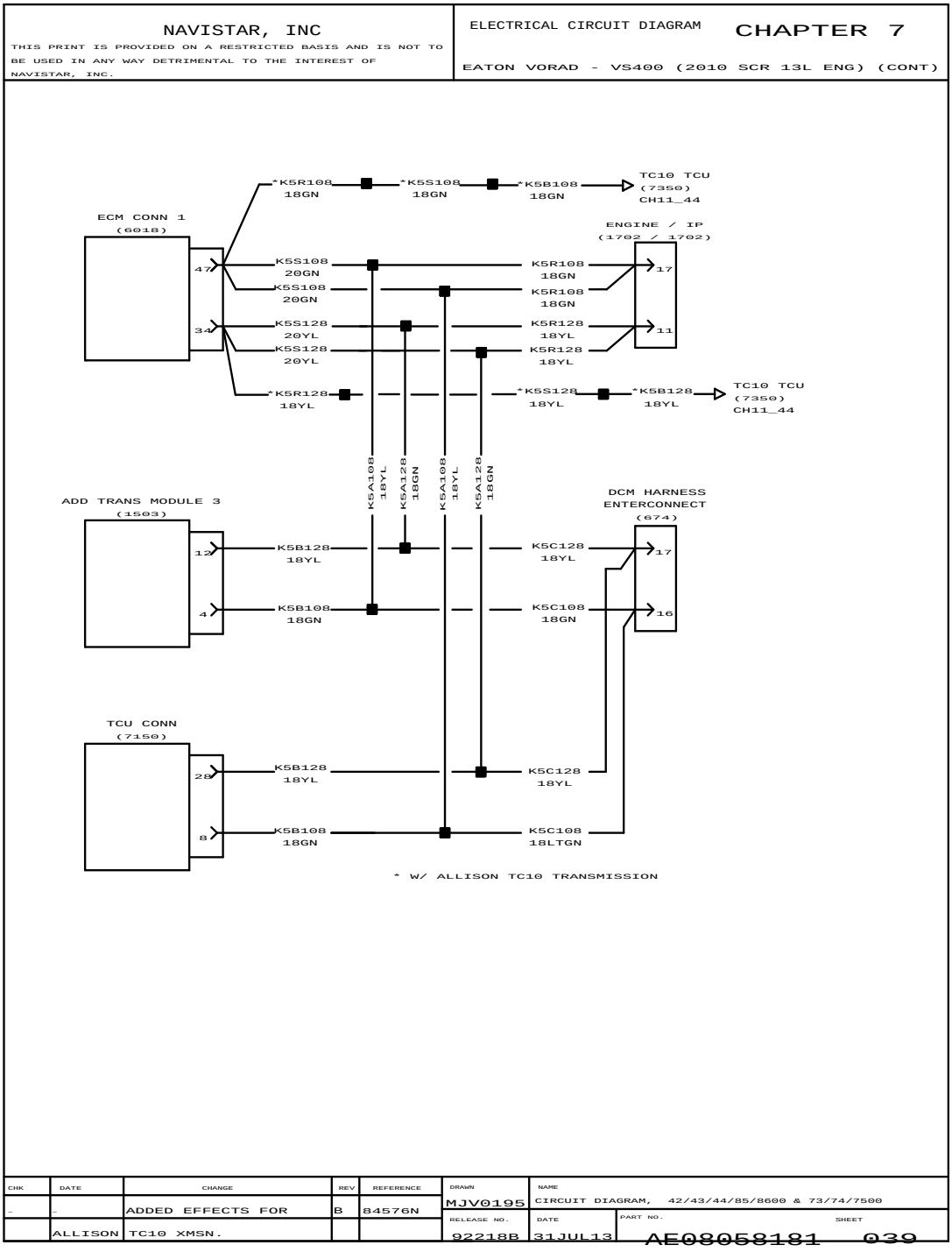

Figure 231 Eaton Vorad – VS400 (2010 SCR 13L Engine) (Cont.)

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7.42. ELECTRONICS ENGINE CONTROL (2013 CUMMINS ISB MD), P. 40

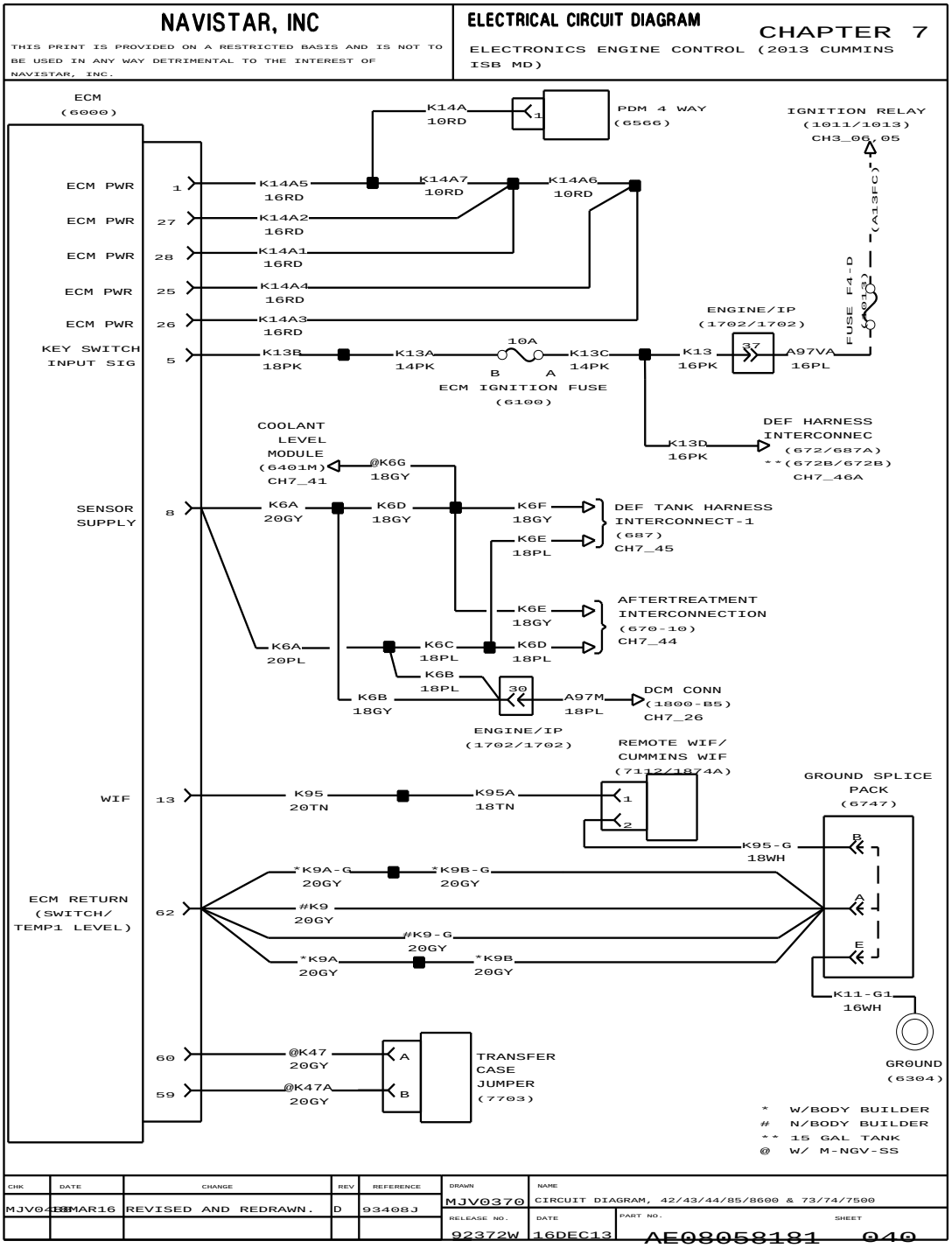

Figure 232 Electronics Engine Control (2013 Cummins ISB MD)

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7.43. ELECTRONICS ENGINE CONTROL (2013 CUMMINS ISB MD) (CONT.), P. 41

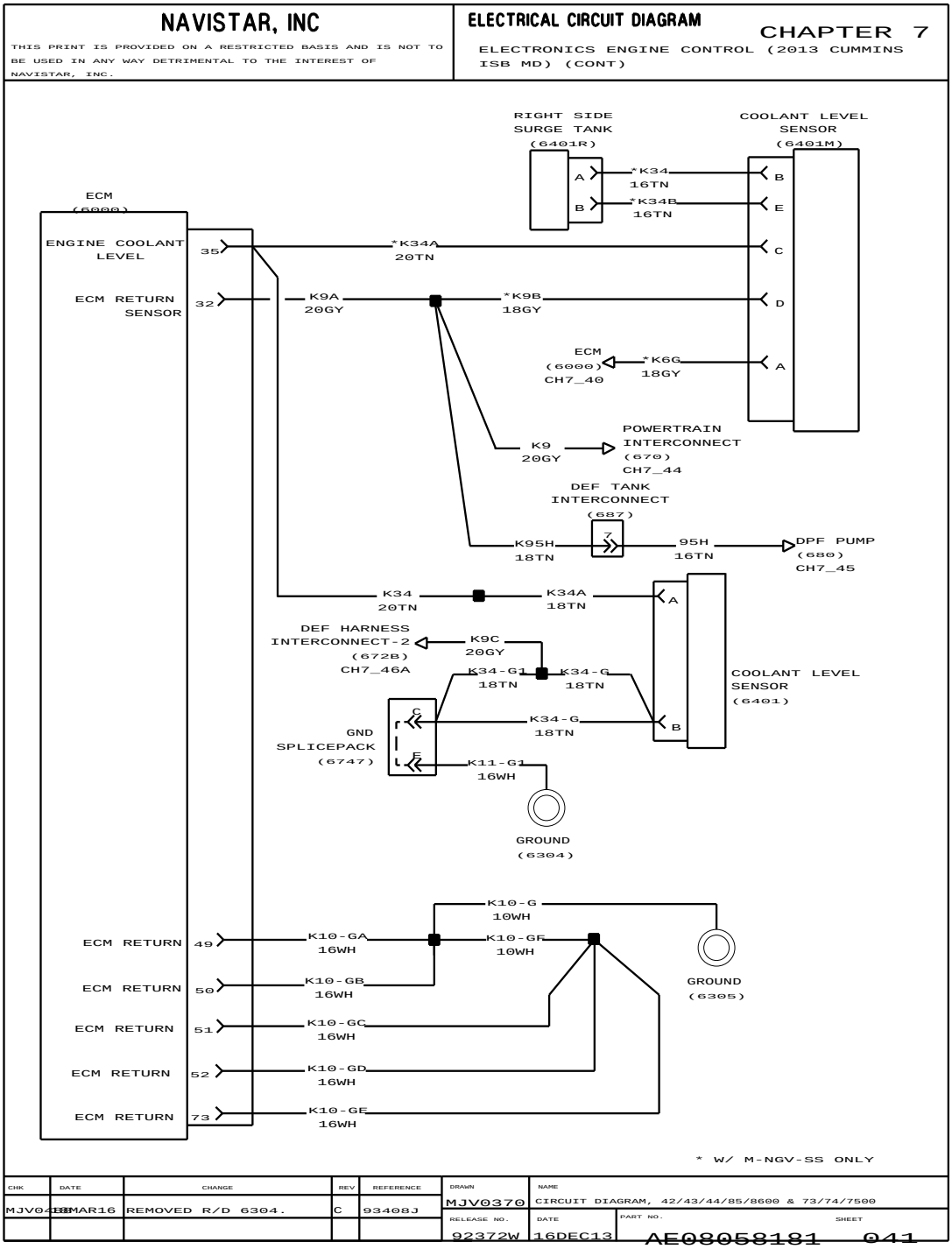

Figure 233 Electronics Engine Control (2013 Cummins ISB MD) (Cont.)

https://truckmanualshub.com/

7.44. ELECTRONICS ENGINE CONTROL (2013 CUMMINS ISB MD) (CONT.), P. 42

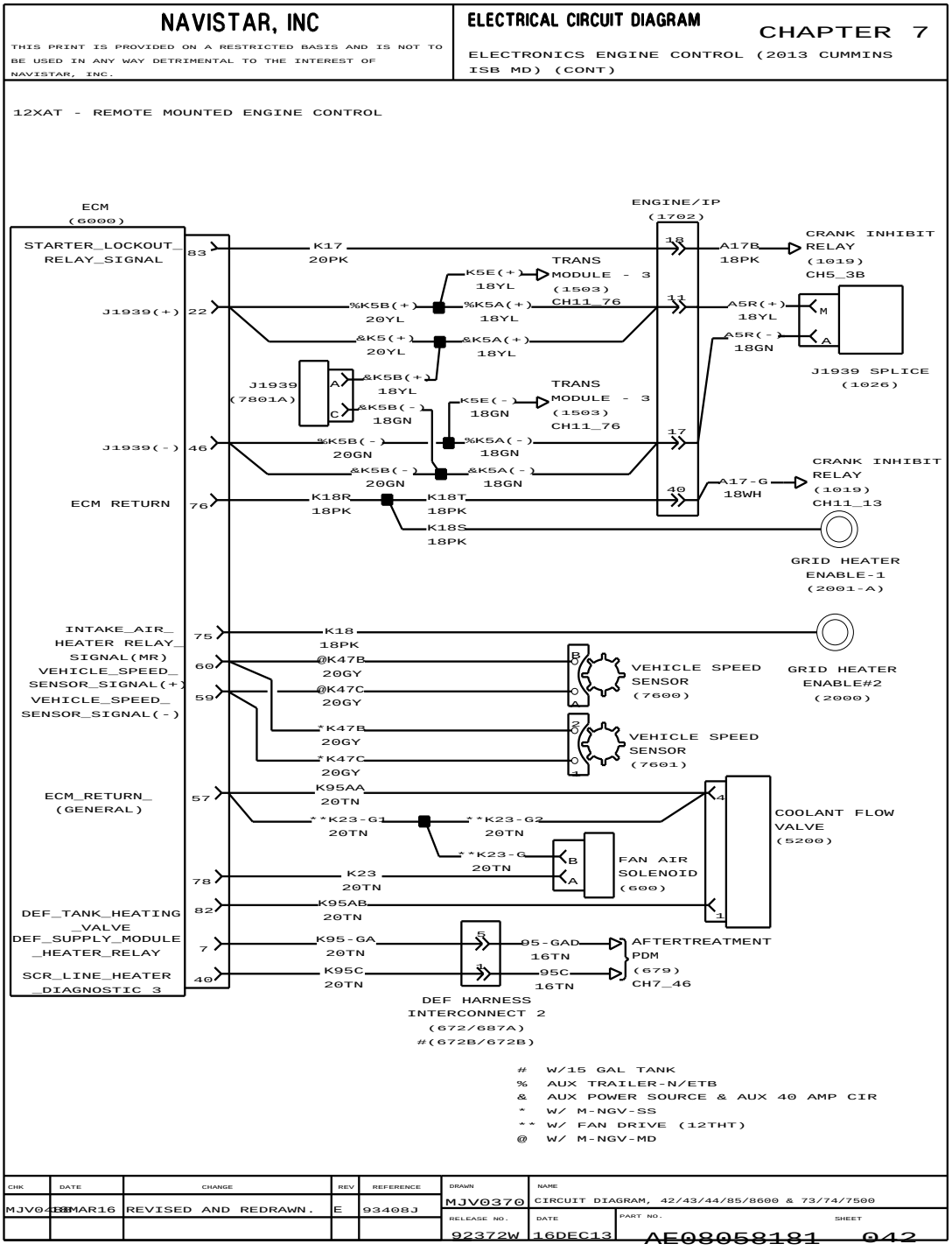

Figure 234 Electronics Engine Control (2013 Cummins ISB MD) (Cont.)

https://truckmanualshub.com/

7.45. ELECTRONICS ENGINE CONTROL (2013 CUMMINS ISB MD) (CONT.), P. 42A

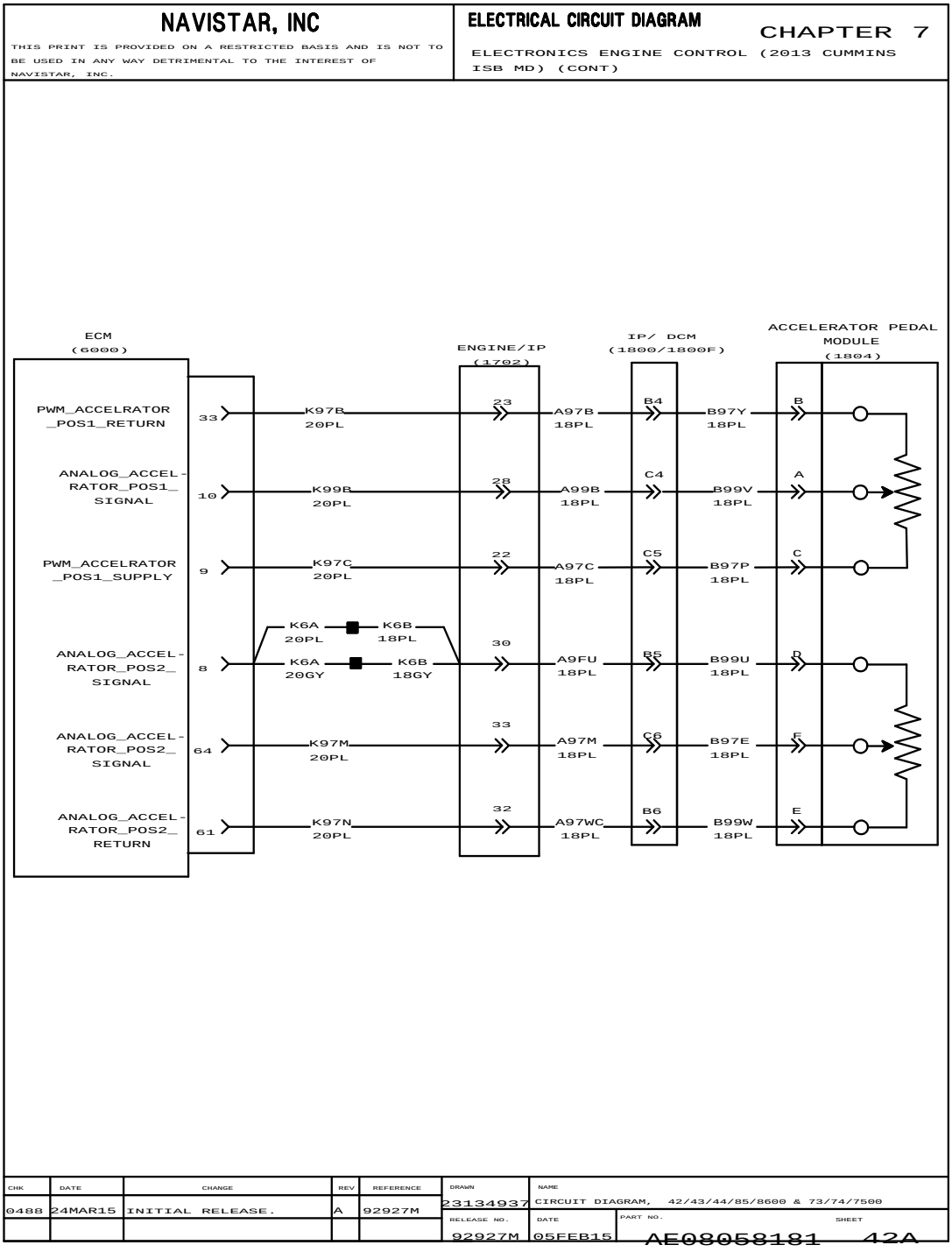

Figure 235 Electronics Engine Control (2013 Cummins ISB MD) (Cont.)

https://truckmanualshub.com/

7.46. ENGINE BODY BUILDER WITH CUMMINS ISB ENGINE WITH M-NGV-SS, P. 42B

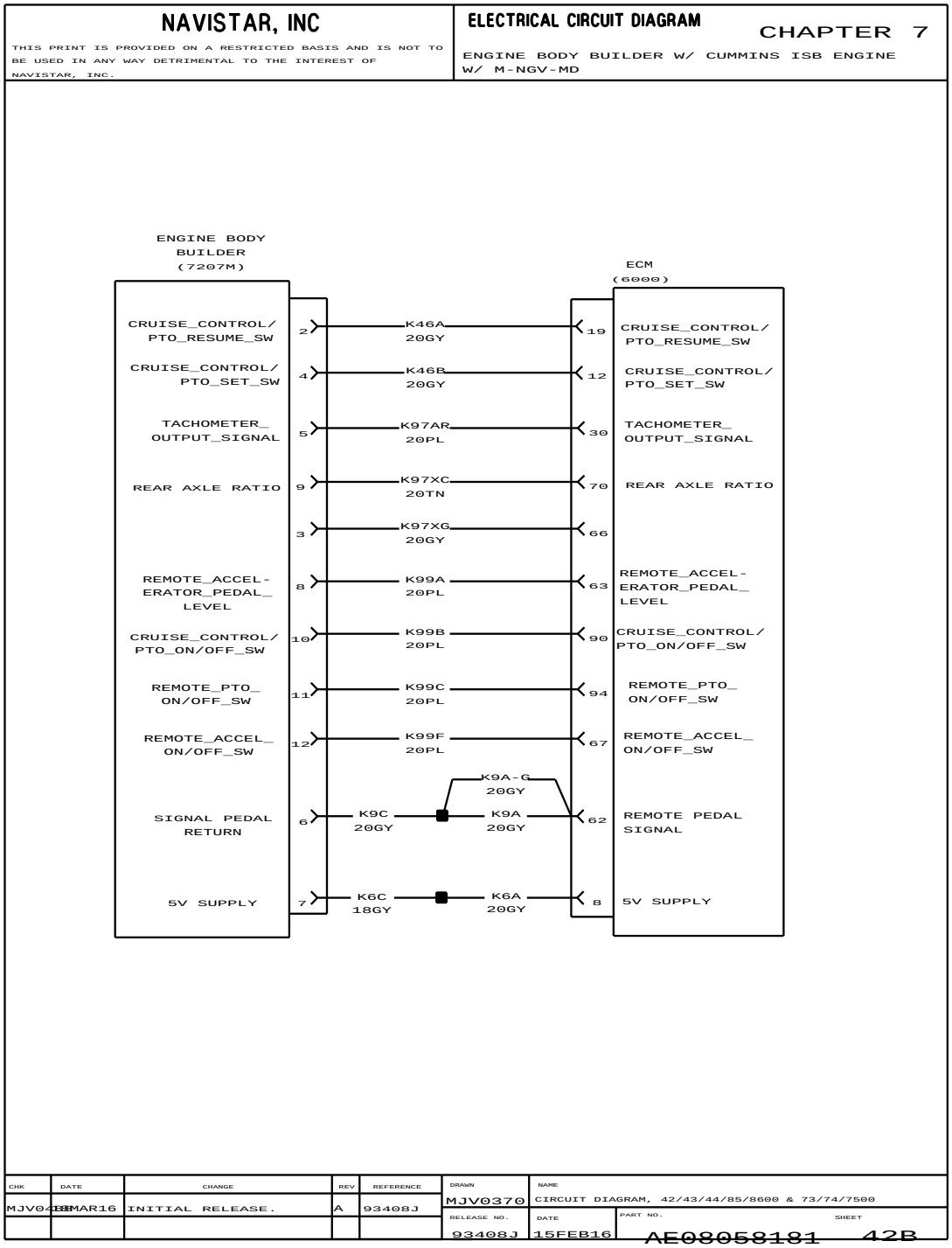

Figure 236 Engine Body Builder with Cummins ISB Engine with M-NGV-SS

https://truckmanualshub.com/

7.47. ENGINE BODY BUILDER WITH CUMMINS ISB ENGINE WITH M-NGV-SS, P. 42C

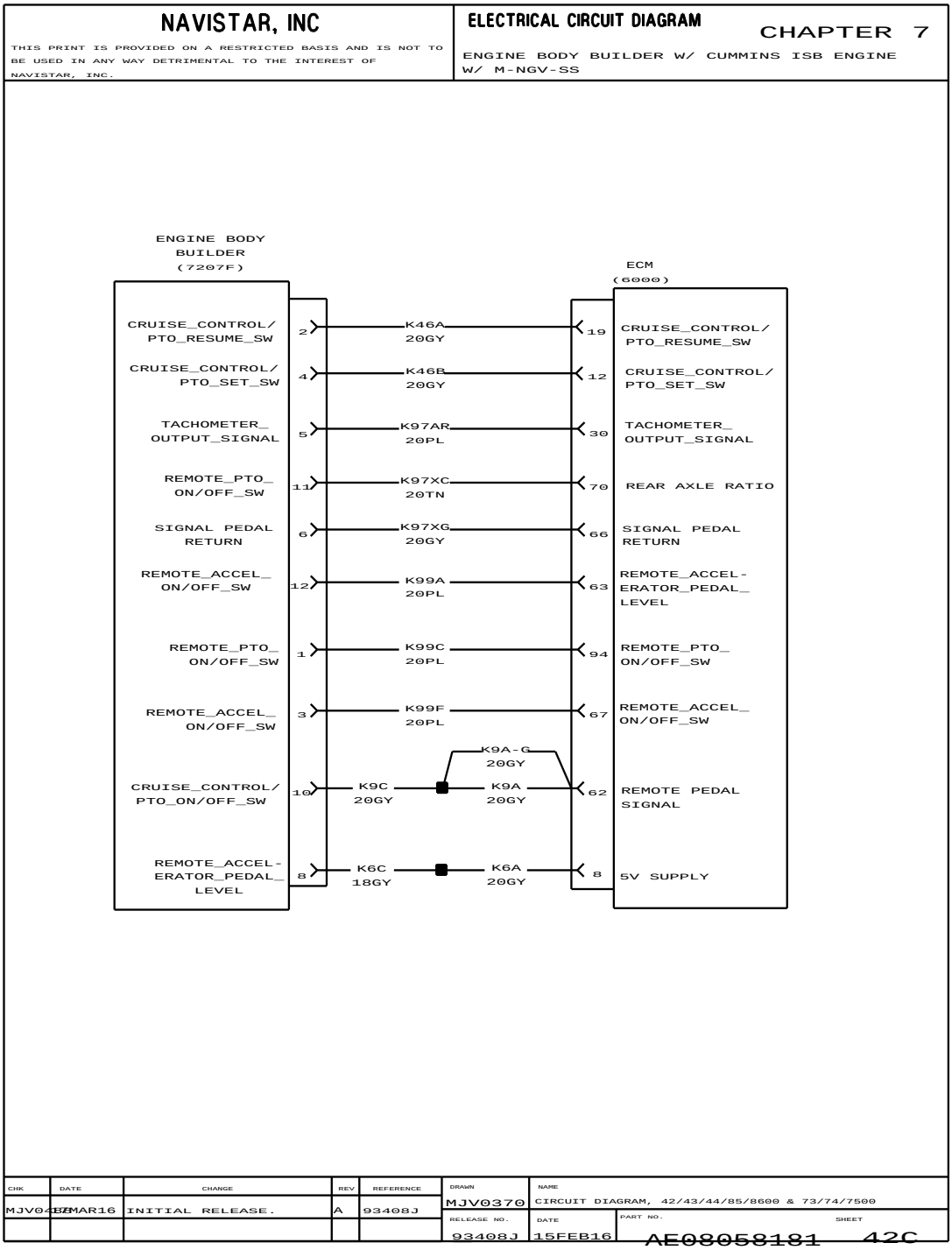

Figure 237 Engine Body Builder with Cummins ISB Engine with M-NGV-SS

https://truckmanualshub.com/

7.48. AMMETER CONNECTIONS, P. 43

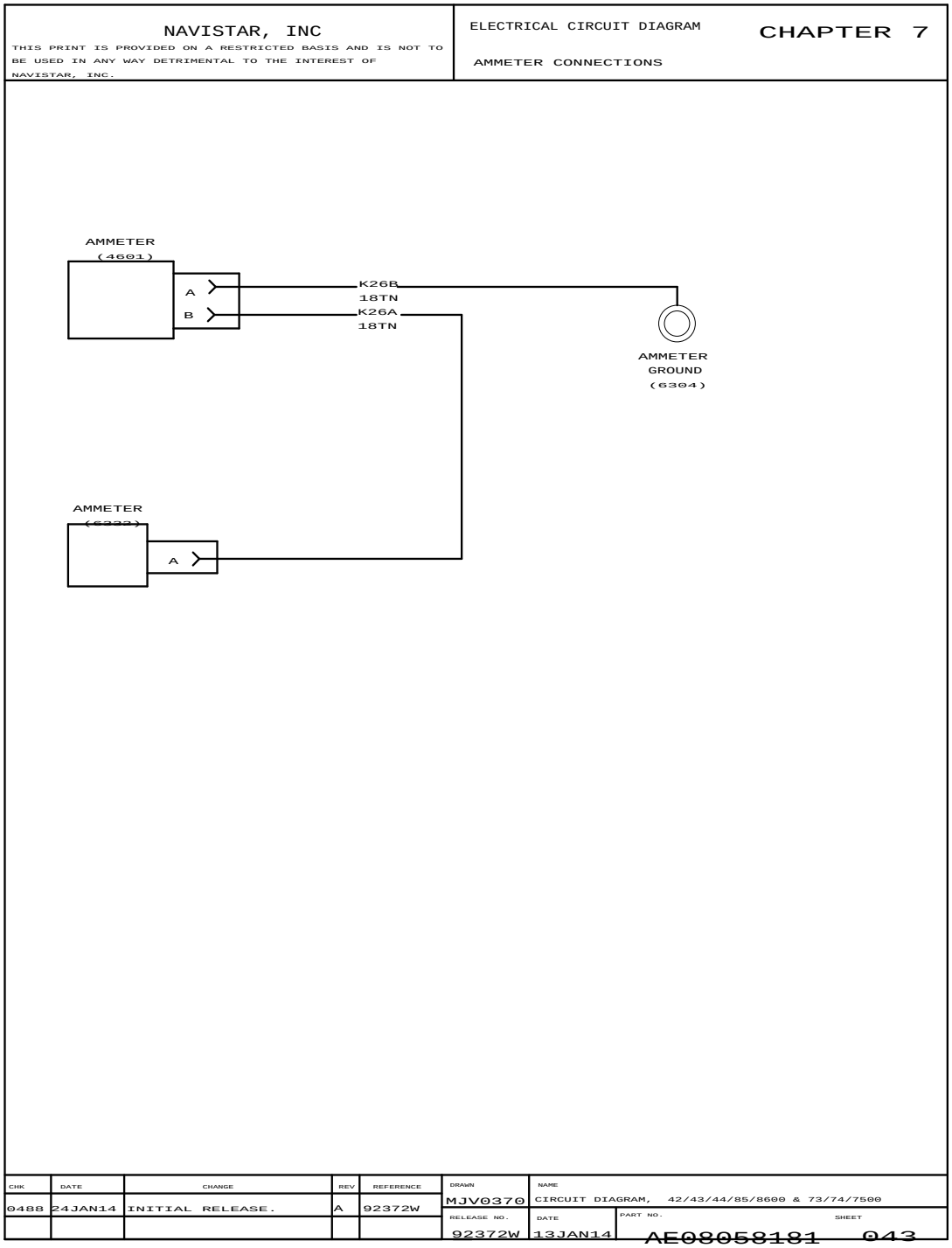

Figure 238 Ammeter Connections

https://truckmanualshub.com/

7.49. DEF AND AFTERTREATMENT CONTROL (2013 – CUMMINS ISB MD), P. 44

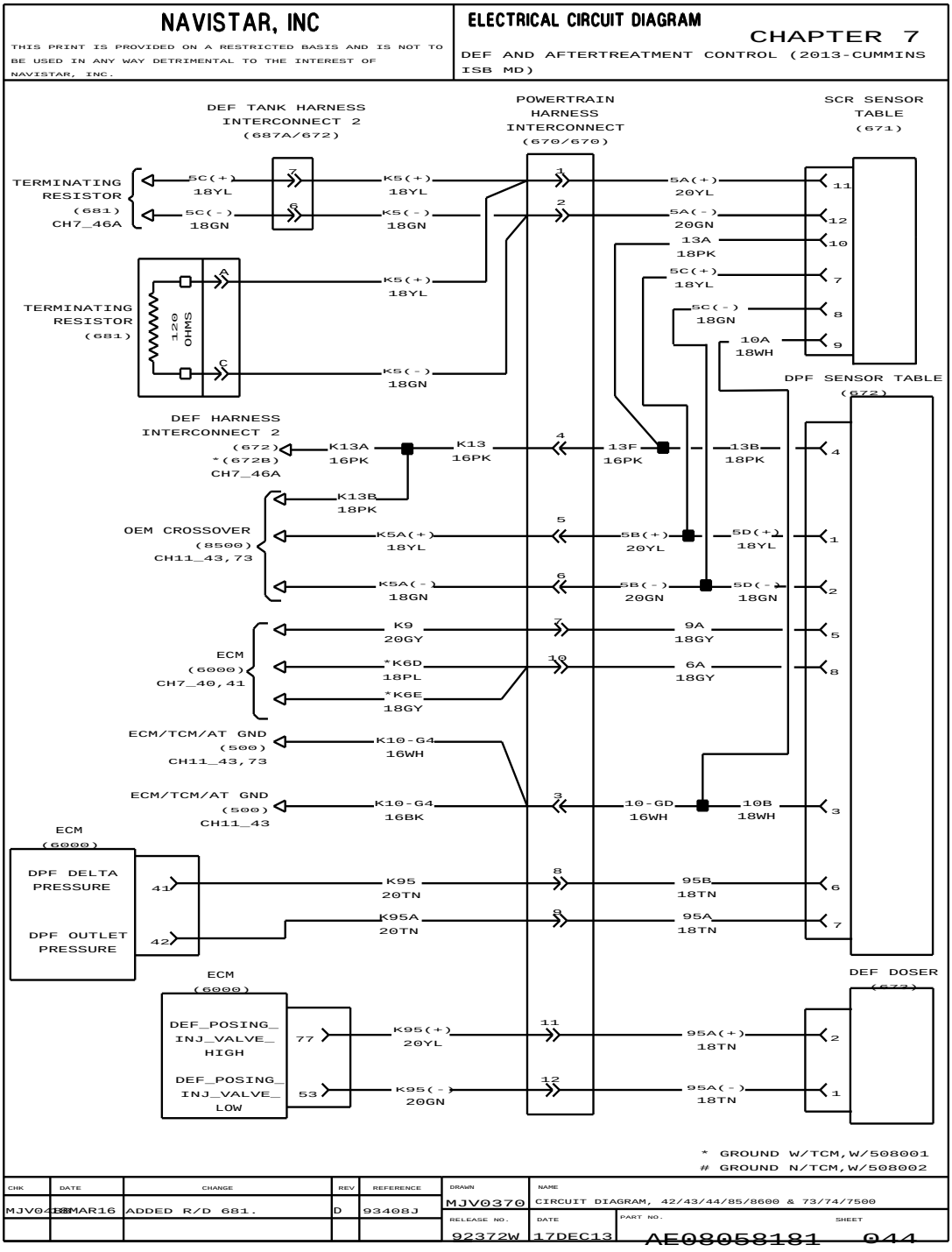

Figure 239 DEF and Aftertreatment Control (2013 – Cummins ISB MD)

https://truckmanualshub.com/

7.50. DEF AND AFTERTREATMENT CONTROL (2013 – CUMMINS ISB MD), P. 45

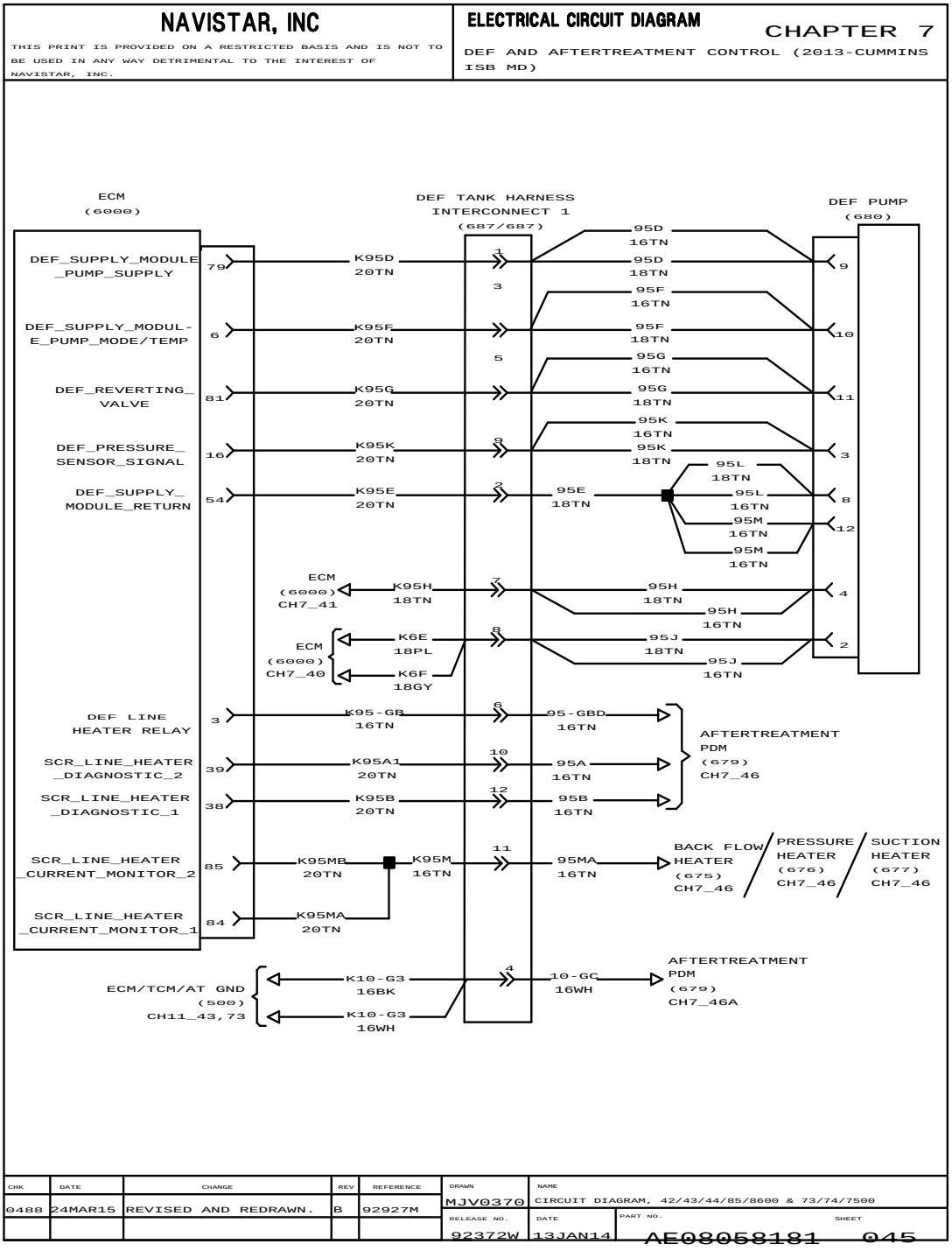

Figure 240 DEF and Aftertreatment Control (2013 – Cummins ISB MD)

https://truckmanualshub.com/

7.51. DEF AND AFTERTREATMENT CONTROL (2013 – CUMMINS ISB MD) (CONT.), P. 46

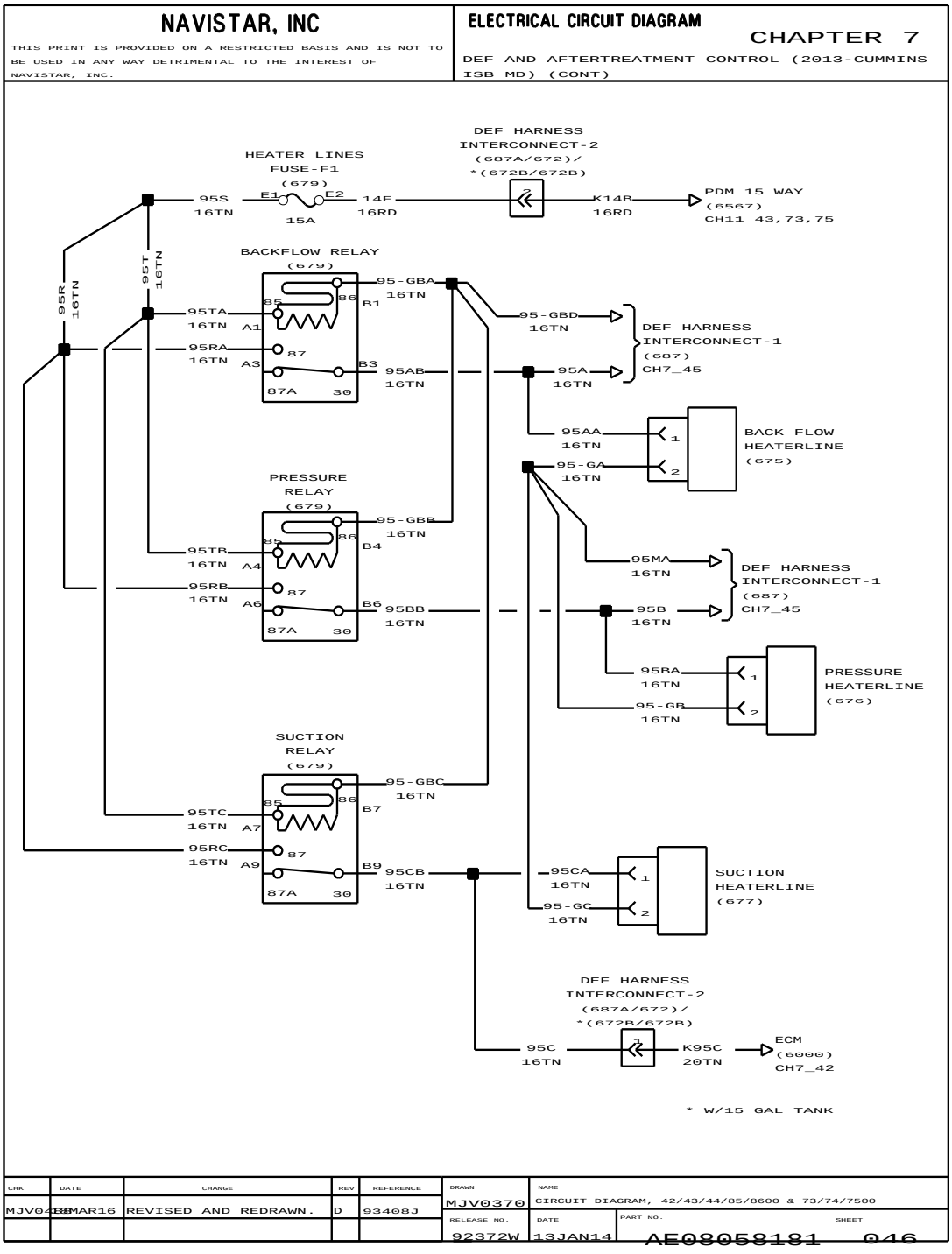

Figure 241 DEF and Aftertreatment Control (2013 – Cummins ISB MD) (Cont.)

https://truckmanualshub.com/

7.52. DEF AND AFTERTREATMENT CONTROL (2013 – CUMMINS ISB MD) (CONT.), P. 46A

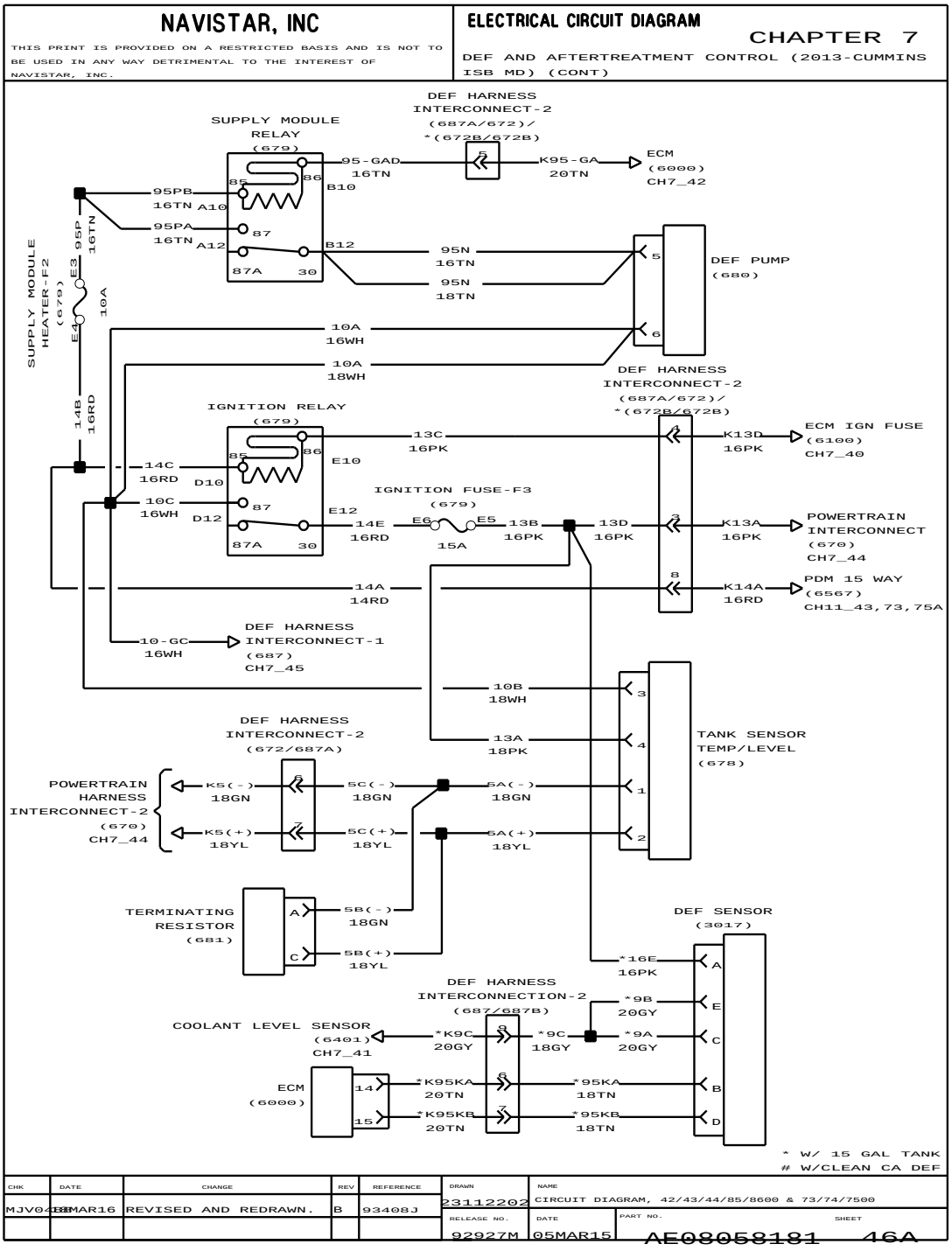

Figure 242 DEF and Aftertreatment Control (2013 – Cummins ISB MD) (Cont.)

https://truckmanualshub.com/

7.53. PDM PRODUCT GRAPHICS WITH CUMMINS ISB ENGINE, P. 46B

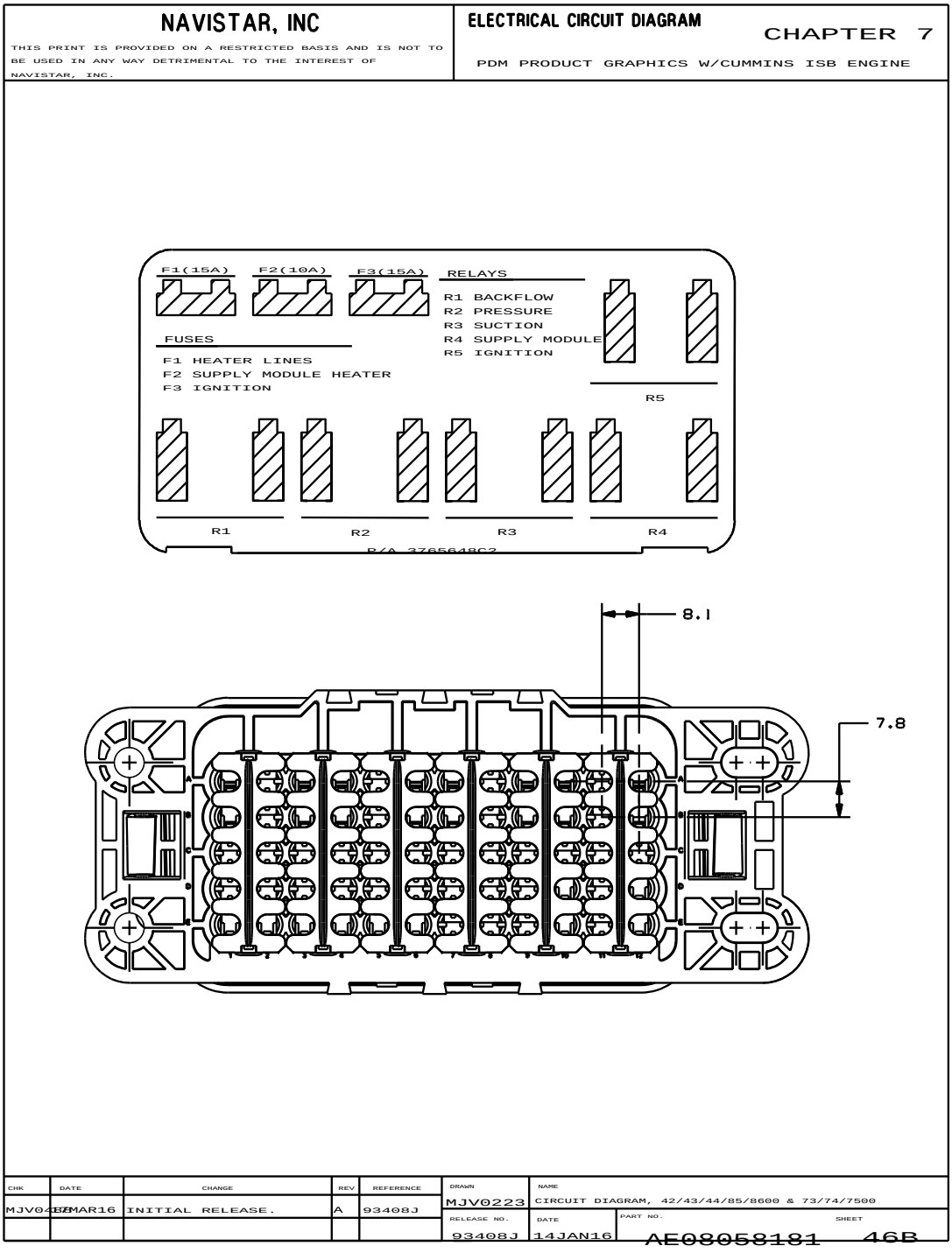

Figure 243 PDM Product Graphics with Cummins ISB Engine

https://truckmanualshub.com/

7.54. DEF AND AFTERTREATMENT CONTROL (2013 – CUMMINS ISB MD) (CONT.), P. 47

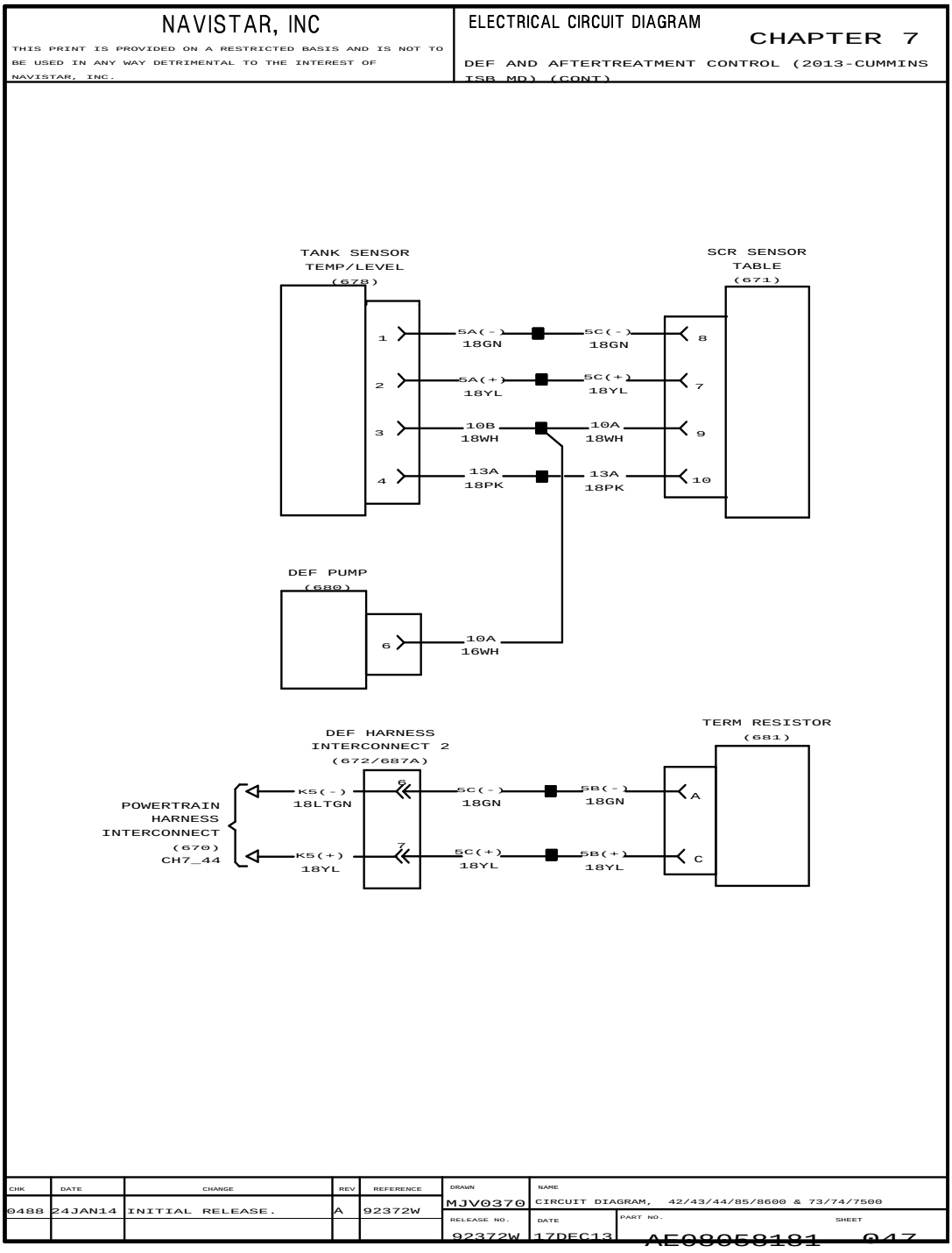

Figure 244 DEF and Aftertreatment Control (2013 – Cummins ISB MD) (Cont.)

https://truckmanualshub.com/

7.55. AIR CLEANER LEFT AND RIGHT SIDE WITH I6, I-746 ENGINE, P. 48

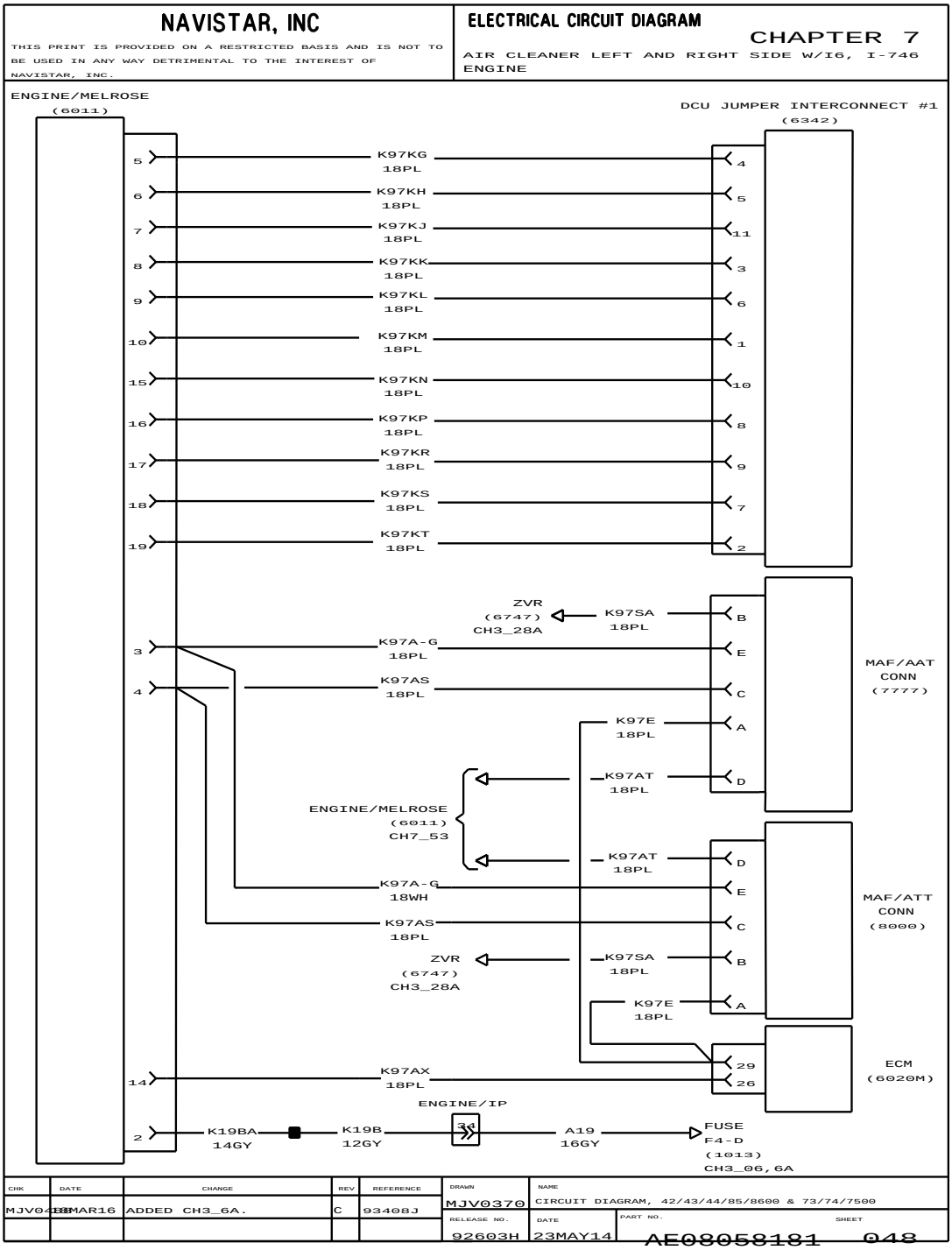

Figure 245 Air Cleaner Left and Right Side with I6, I-746 Engine

https://truckmanualshub.com/

7.56. COMMON CLEAN POWER FEED WITH I6, I-746 ENGINE, P. 49

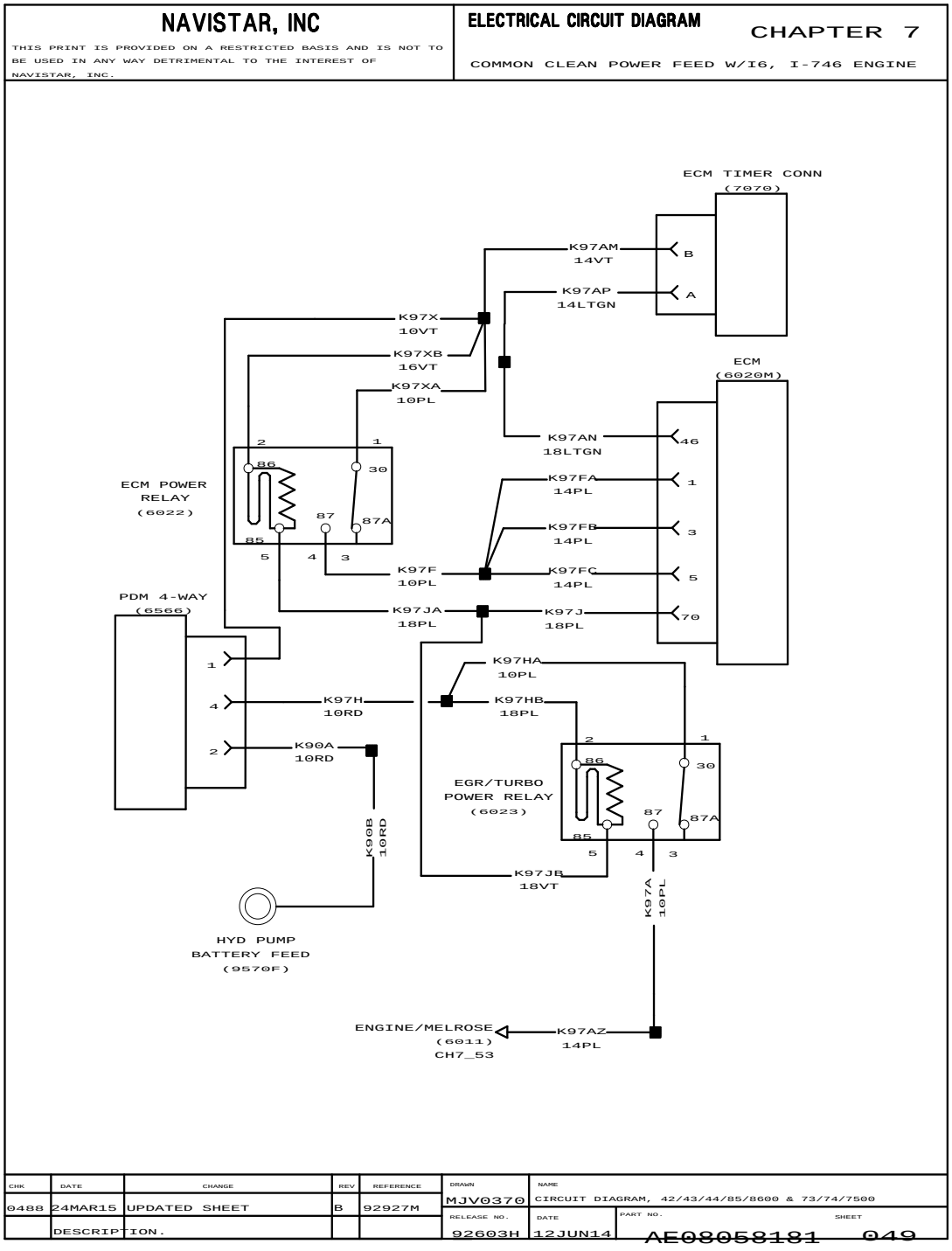

Figure 246 Common Clean Power Feed with I6, I-746 Engine

https://truckmanualshub.com/

7.57. COMMON CLEAN POWER FEED WITH I6, I-746 ENGINE (CONT.), P. 50

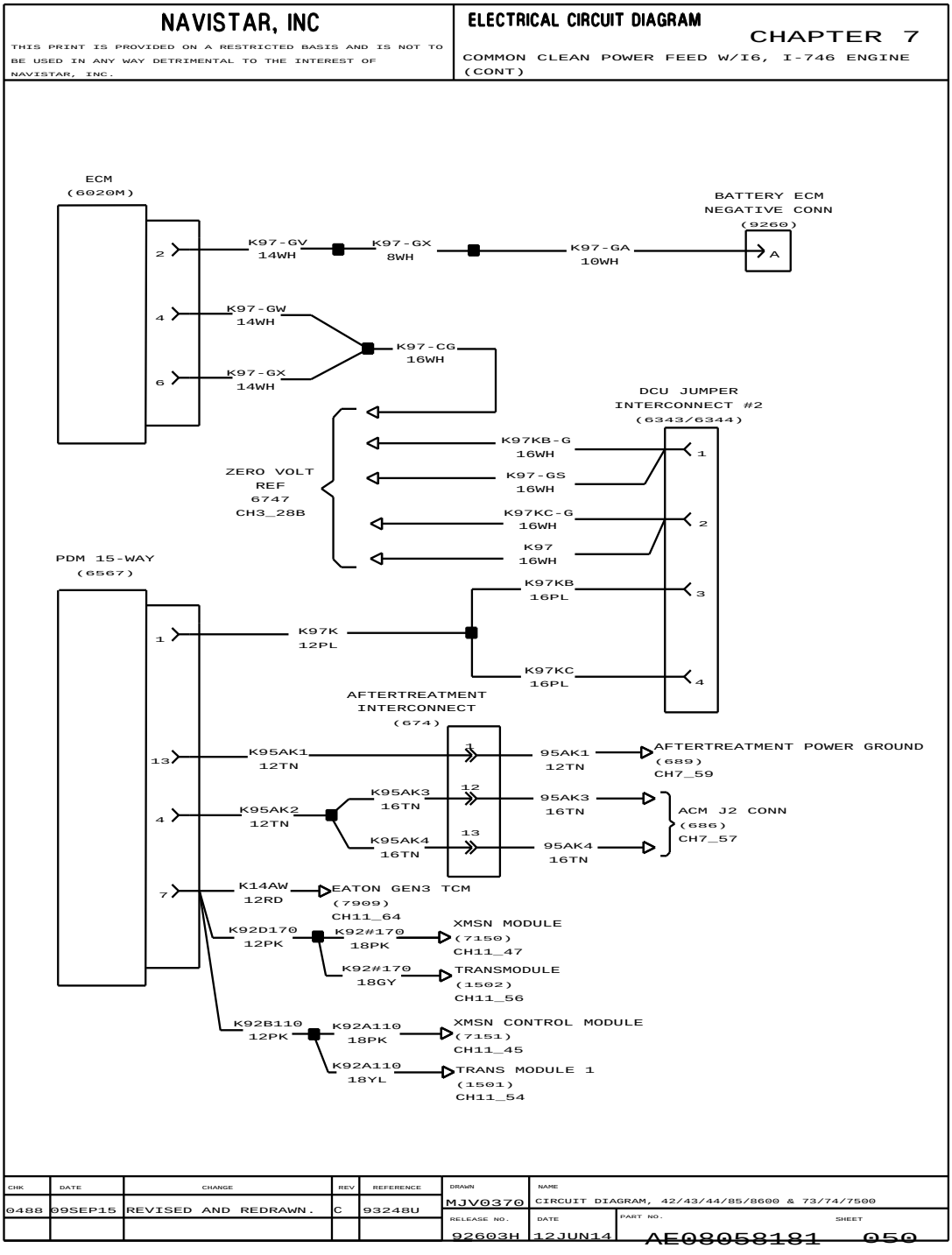

Figure 247 Common Clean Power Feed with I6, I-746 Engine (Cont.)

https://truckmanualshub.com/

7.58. RIGHT SIDE SURGE TANK WITH I6, I-746 ENGINE, P. 51

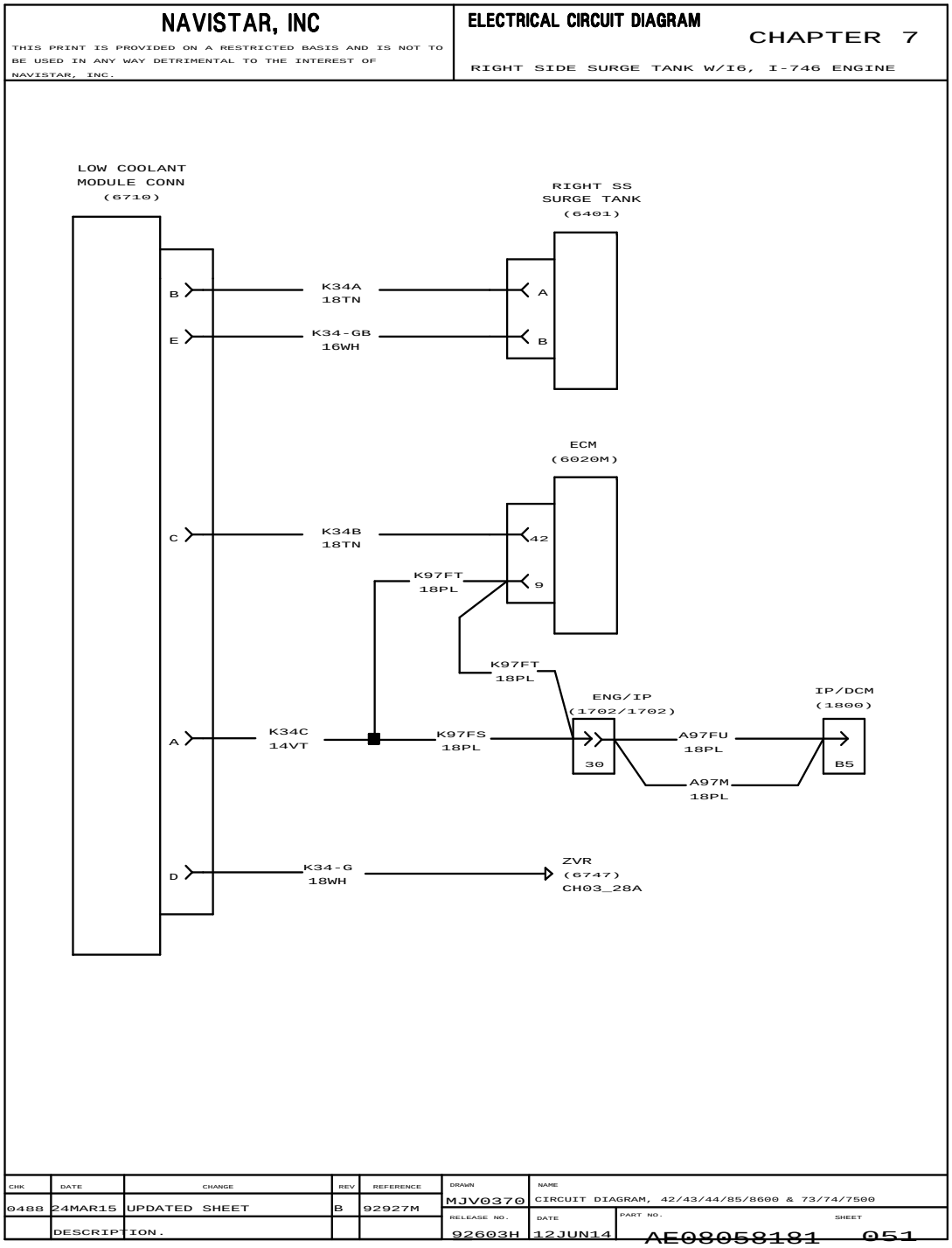

Figure 248 Right Side Surge Tank with I6, I-746 Engine

https://truckmanualshub.com/

7.59. ENGINE BODY BUILDER – 12 VZA WITH I6, I-746 ENGINE, P. 52

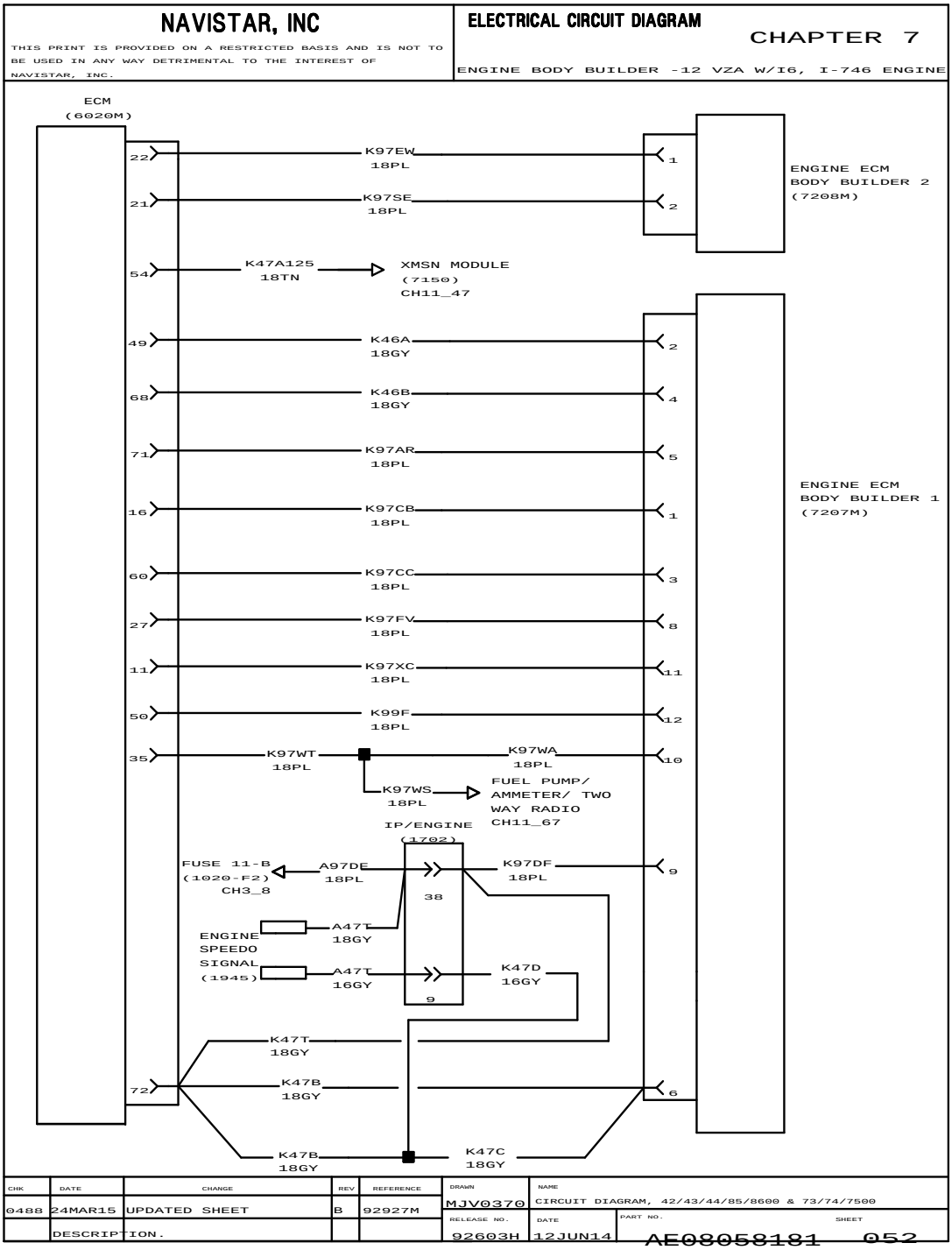

Figure 249 Engine Body Builder – 12 VZA with I6, I-746 Engine

https://truckmanualshub.com/

7.60. I6, I-746 ENGINE DEF AND AFTERTREATMENT WITH SCR, P. 53

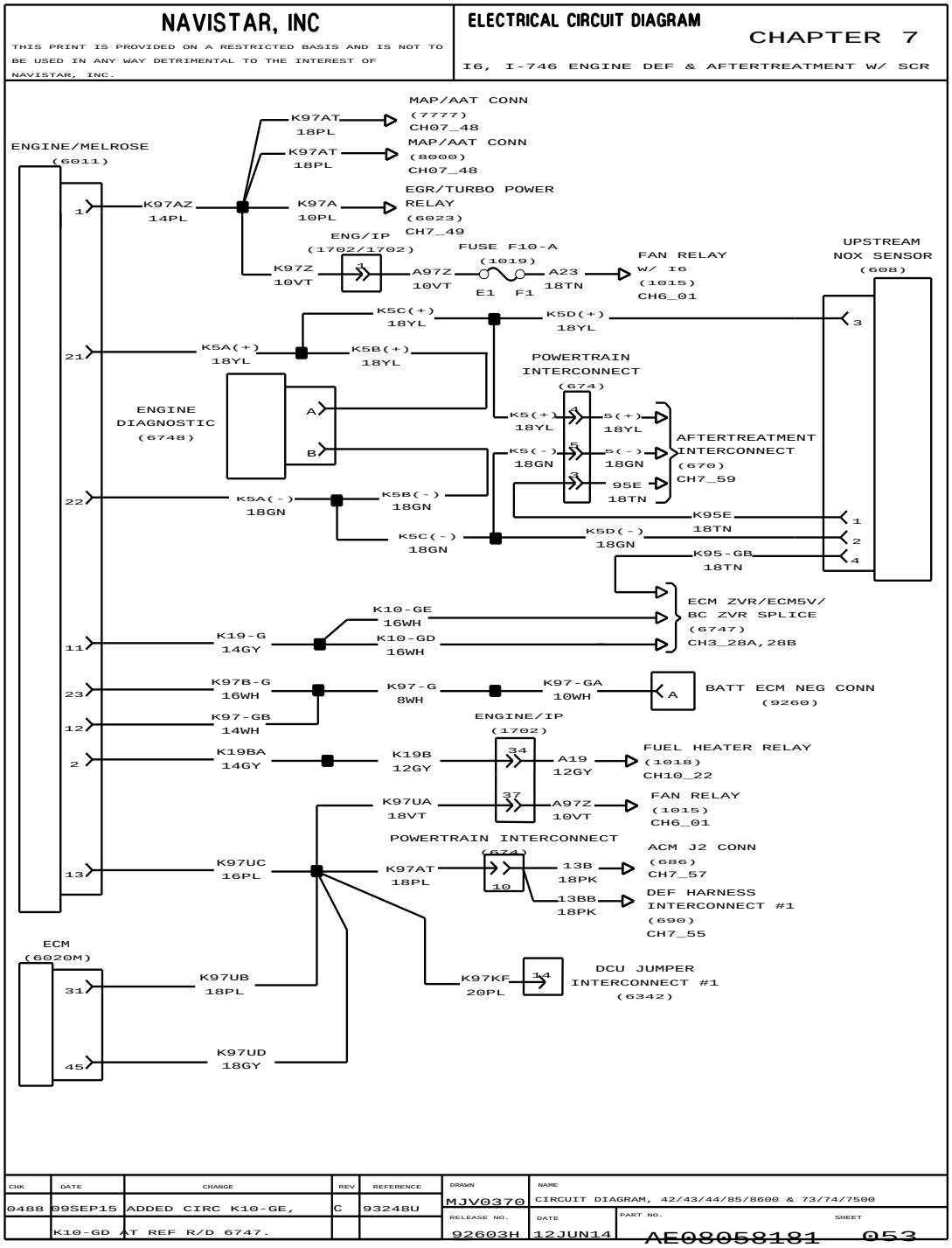

Figure 250 I6, I-746 Engine DEF and Aftertreatment with SCR

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7.61. I6, I-746 ENGINE DEF AND AFTERTREATMENT, P. 54

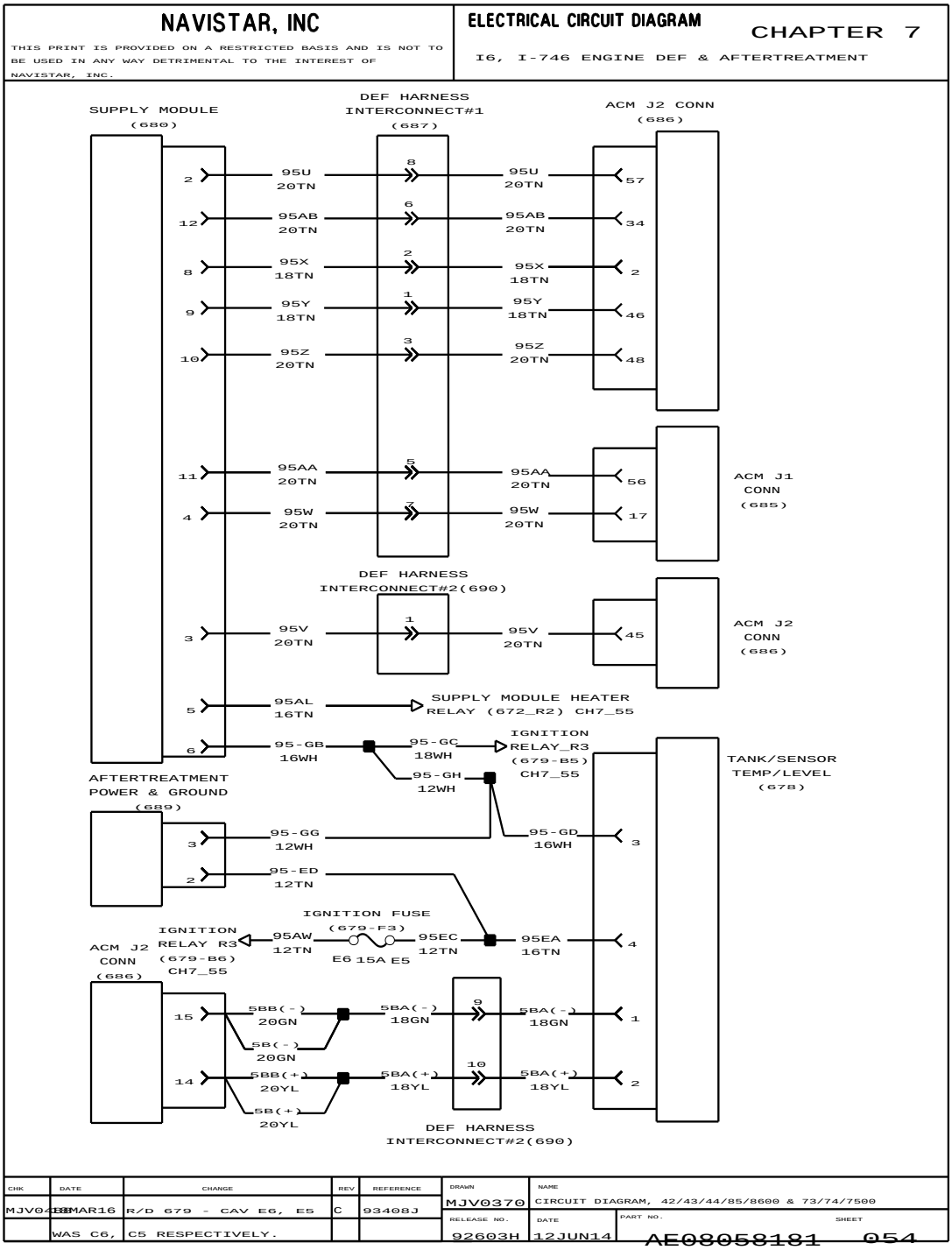

Figure 251 I6, I-746 Engine DEF and Aftertreatment

https://truckmanualshub.com/

7.62. I6, I-746 ENGINE DEF AND AFTERTREATMENT (CONT.), P. 55

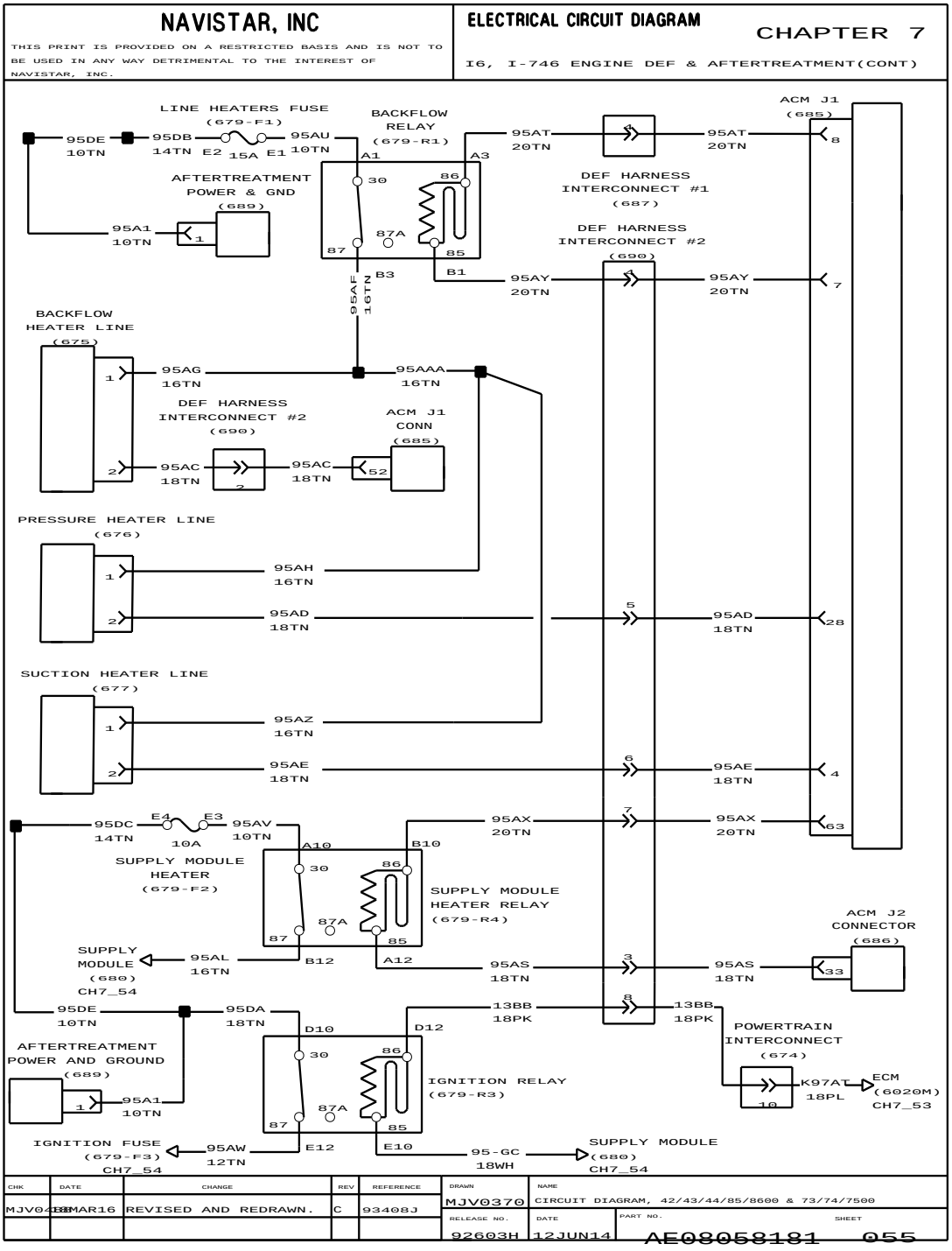

Figure 252 I6, I-746 Engine DEF and Aftertreatment (Cont.)

https://truckmanualshub.com/

7.63. PDM PRODUCT GRAPHICS WITH 2010 SCR I6 ENGINE, P. 55A

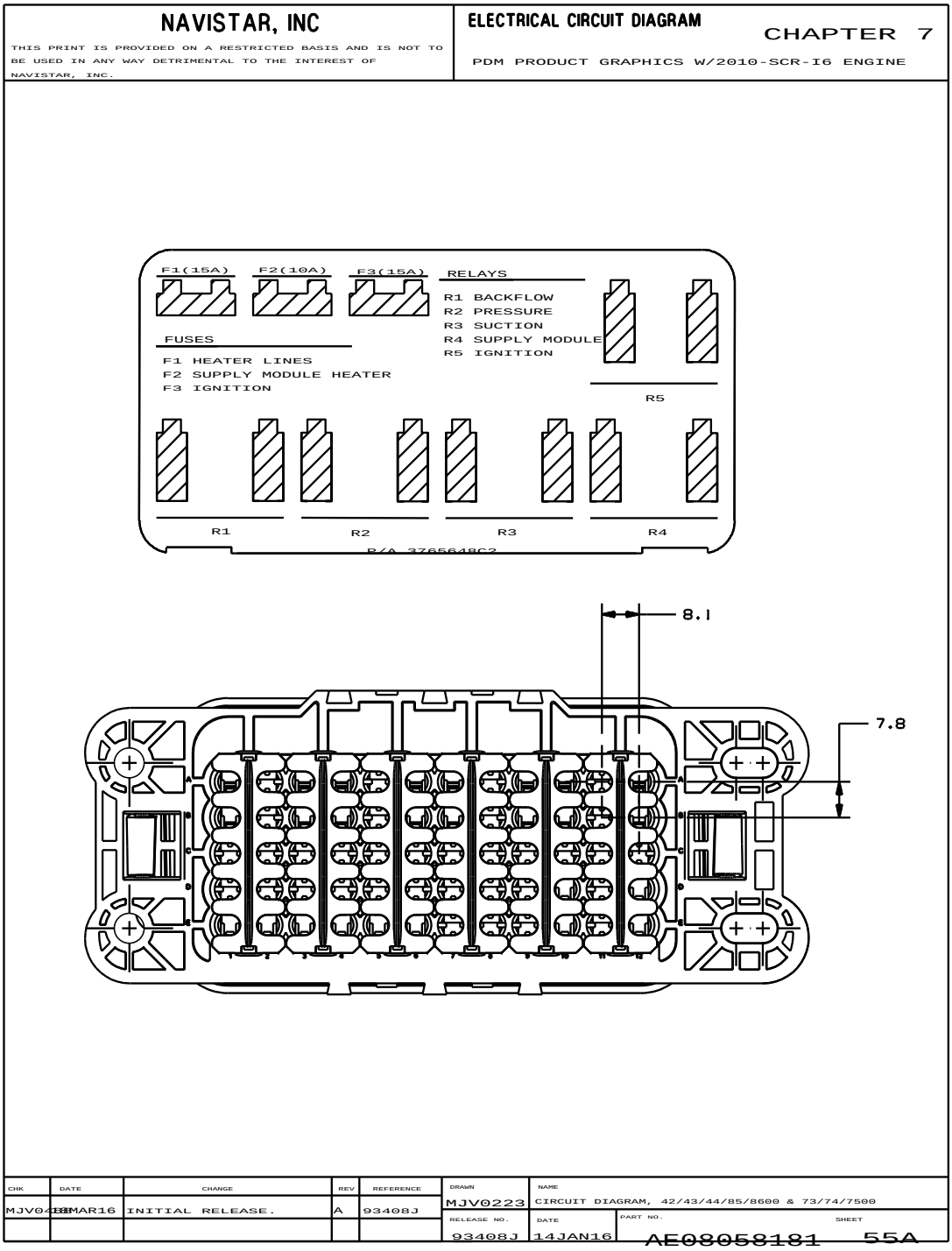

Figure 253 PDM Product Graphics with 2010 SCR I6 Engine

https://truckmanualshub.com/

7.64. I6, I-746 ENGINE DEF AND AFTERTREATMENT (CONT.), P. 56

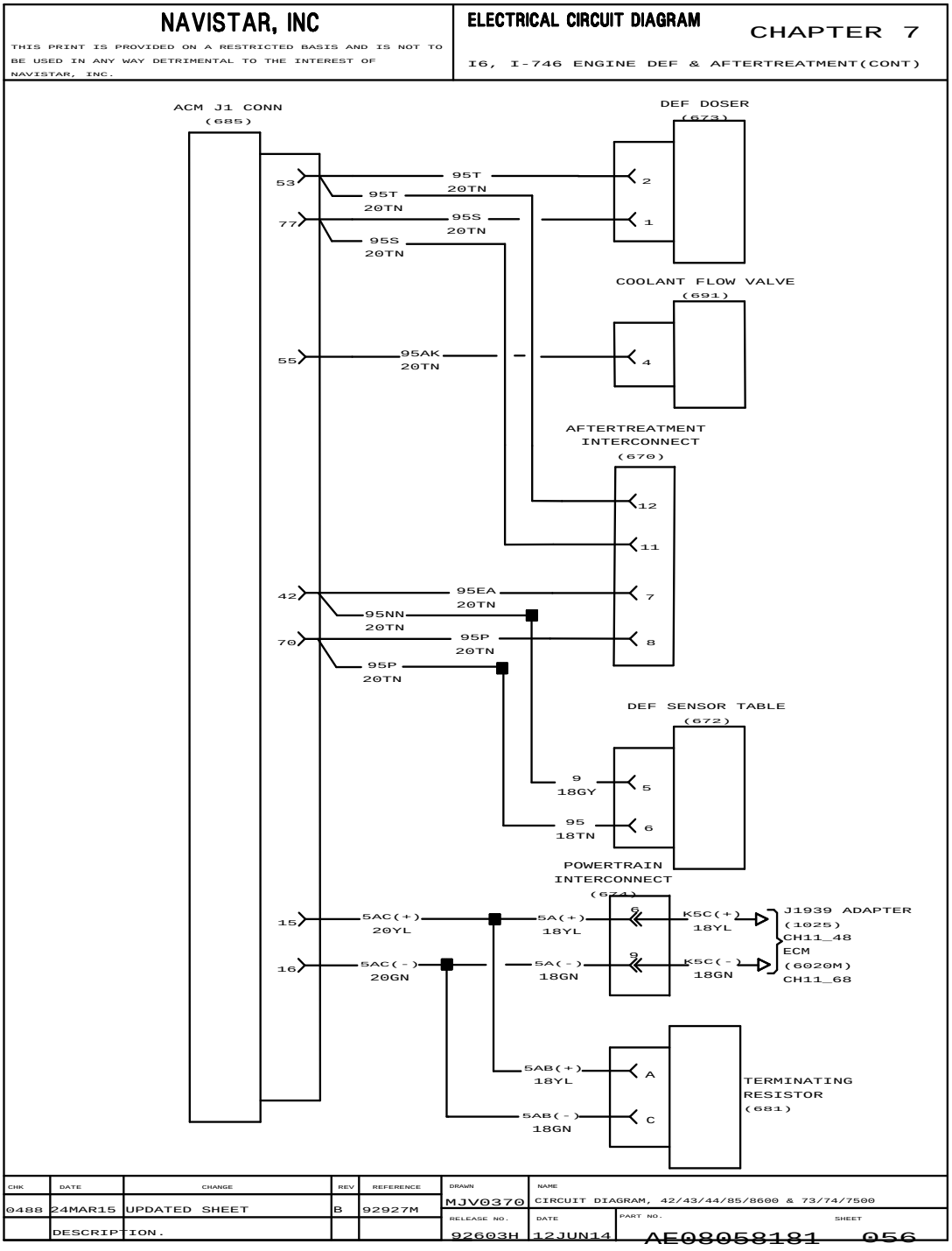

Figure 254 I6, I-746 Engine DEF and Aftertreatment (Cont.)

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7.65. I6, I-746 ENGINE DEF AND AFTERTREATMENT (CONT.), P. 57

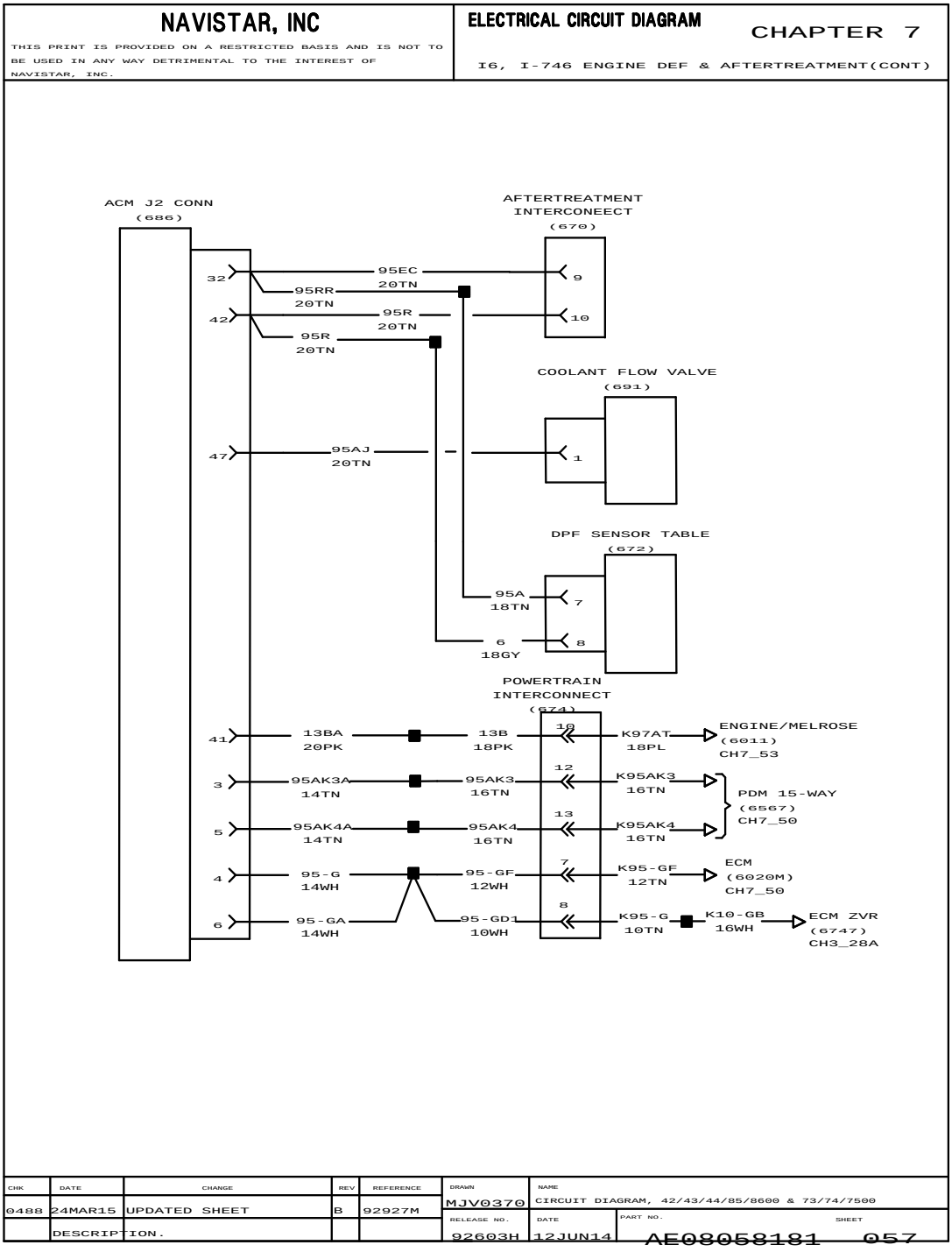

Figure 255 I6, I-746 Engine DEF and Aftertreatment (Cont.)

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7.66. I6, I-746 ENGINE DEF AND AFTERTREATMENT (CONT.), P. 58

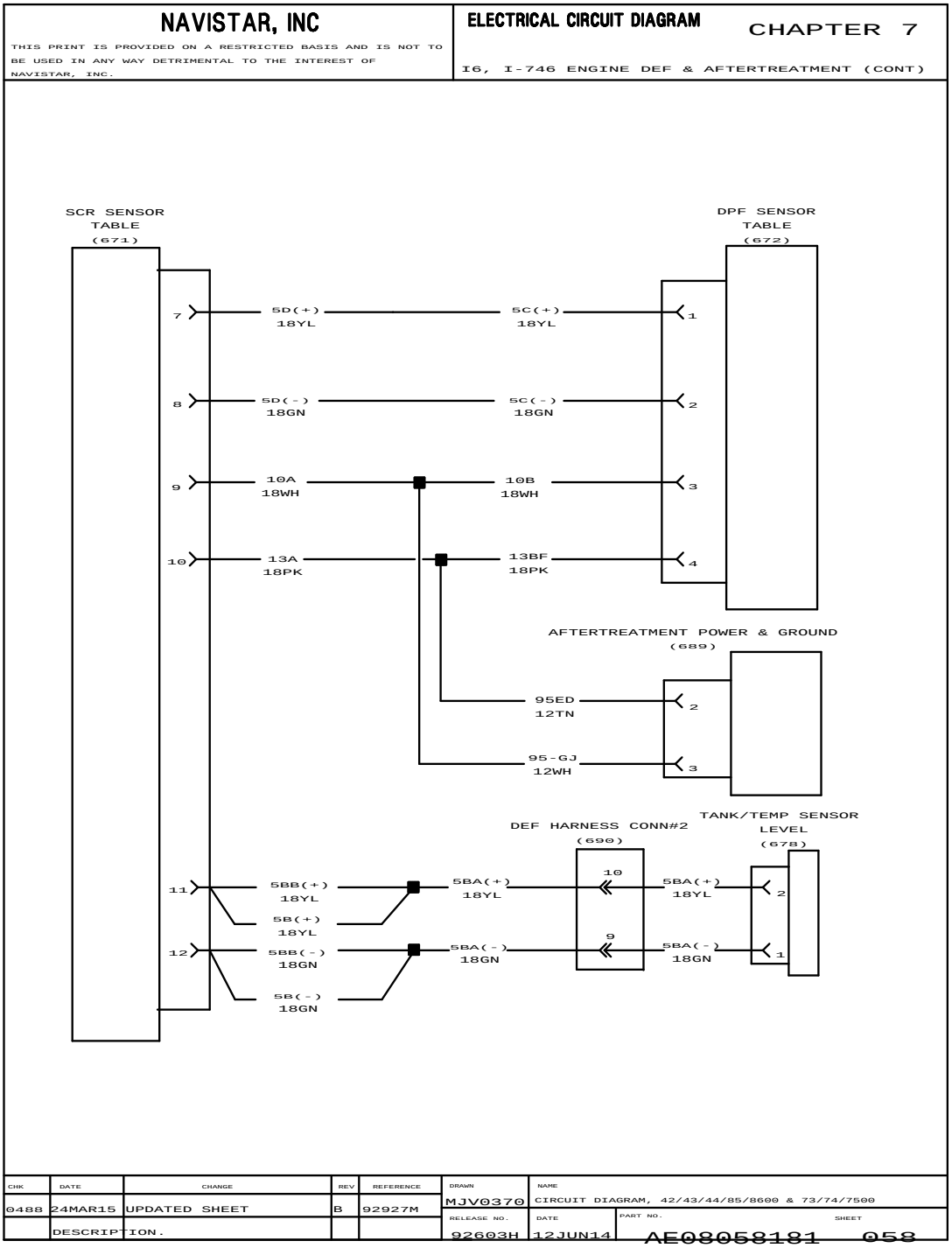

Figure 256 I6, I-746 Engine DEF and Aftertreatment (Cont.)

https://truckmanualshub.com/

7.67. I6, I-746 ENGINE DEF AND AFTERTREATMENT (CONT.), P. 59

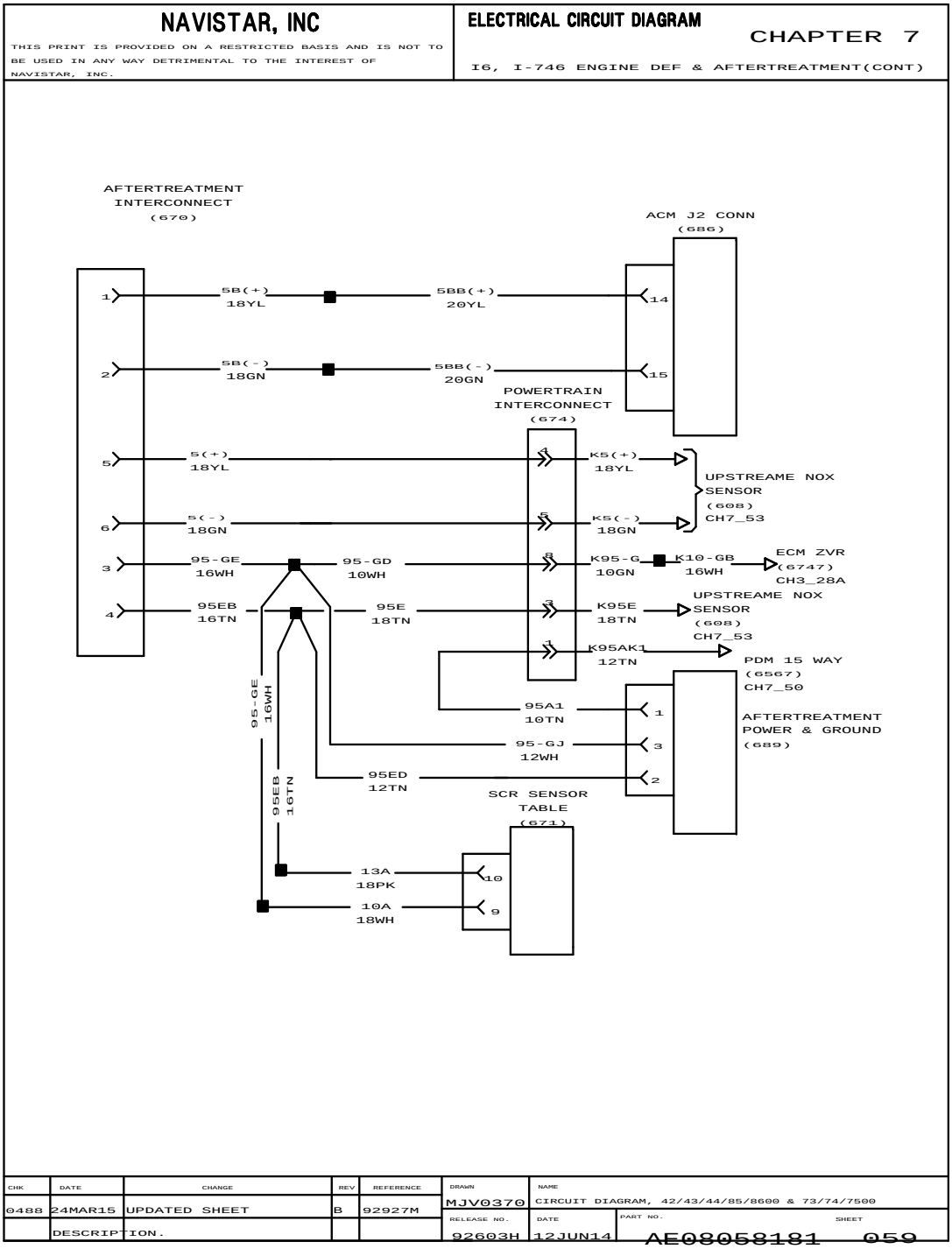

Figure 257 I6, I-746 Engine DEF and Aftertreatment (Cont.)

https://truckmanualshub.com/

7.68. I6, I-746 ENGINE DEF AND AFTERTREATMENT (CONT.) P. 60

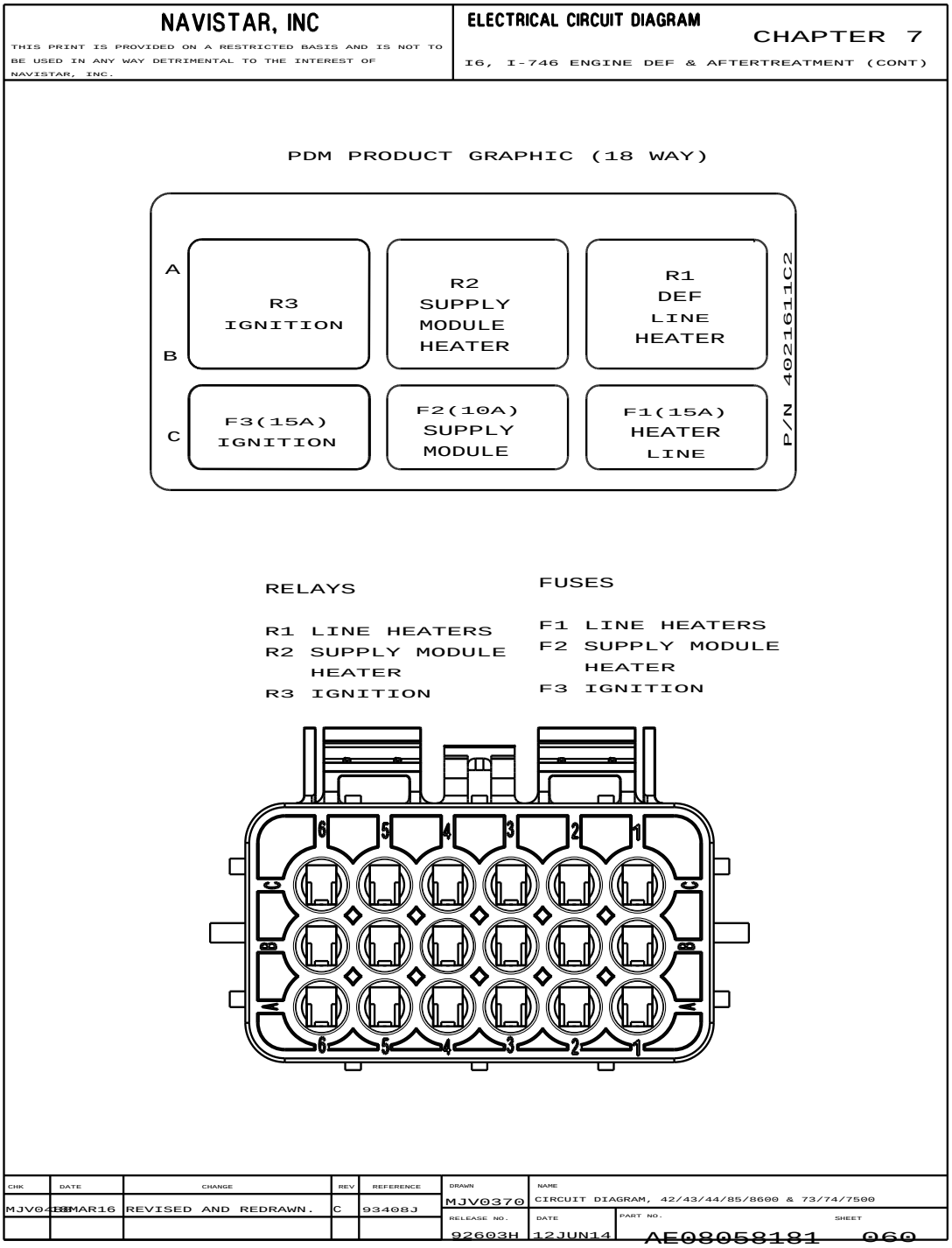

Figure 258 I6, I-746 Engine DEF and Aftertreatment (Cont.)

https://truckmanualshub.com/

7.69. AAT / AMMETER / TWO WAY RADIO WITH I6 ENGINE WITH SCR, P. 61

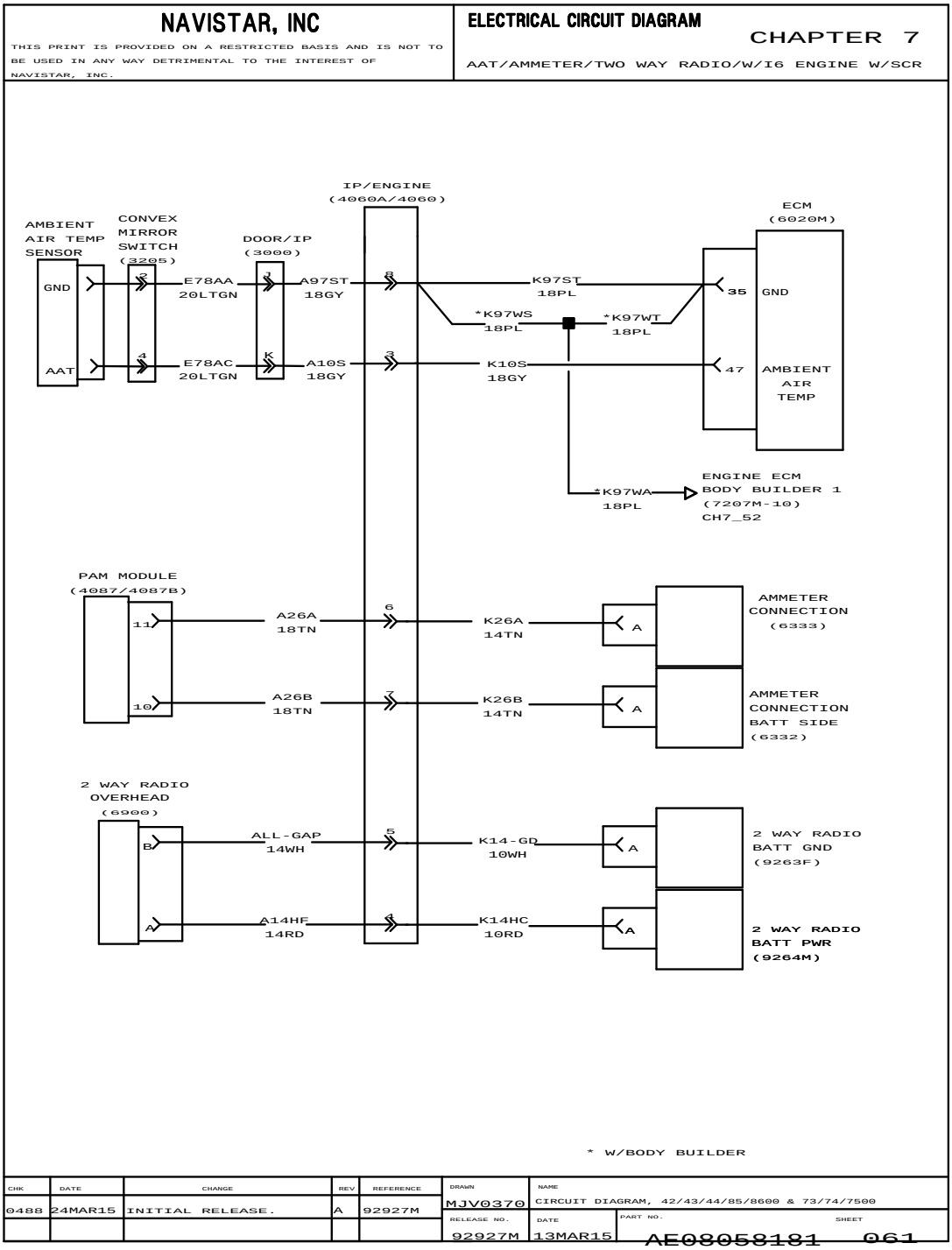

Figure 259 AAT / Ammeter / Two Way Radio with I6 Engine with SCR

https://truckmanualshub.com/

7.70. AAT / AMMETER / TWO WAY RADIO WITH ISB ENGINE, P. 62

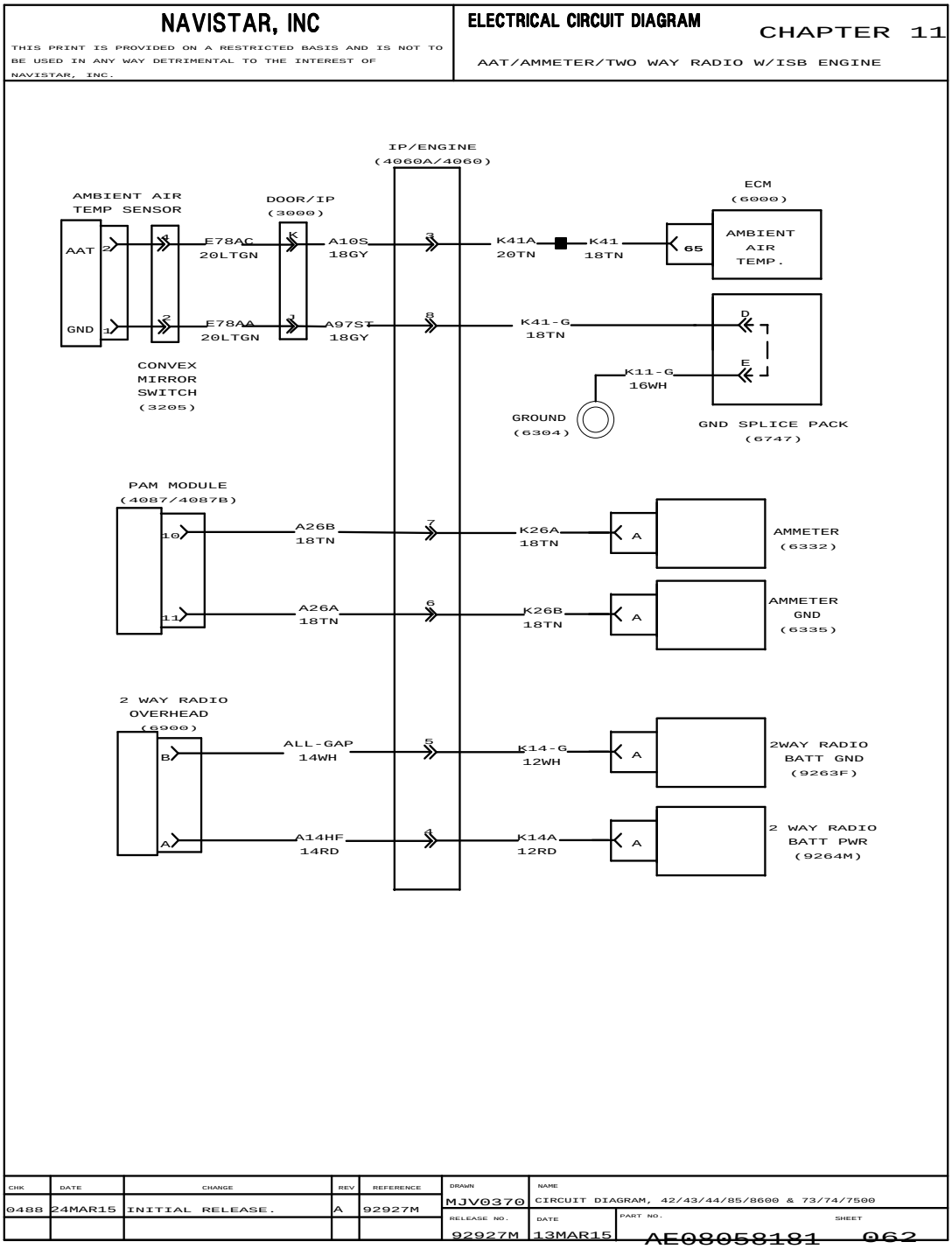

Figure 260 AAT / Ammeter / Two Way Radio with ISB Engine

https://truckmanualshub.com/

7.71. DRIVER CONTROL UNIT, P. 63

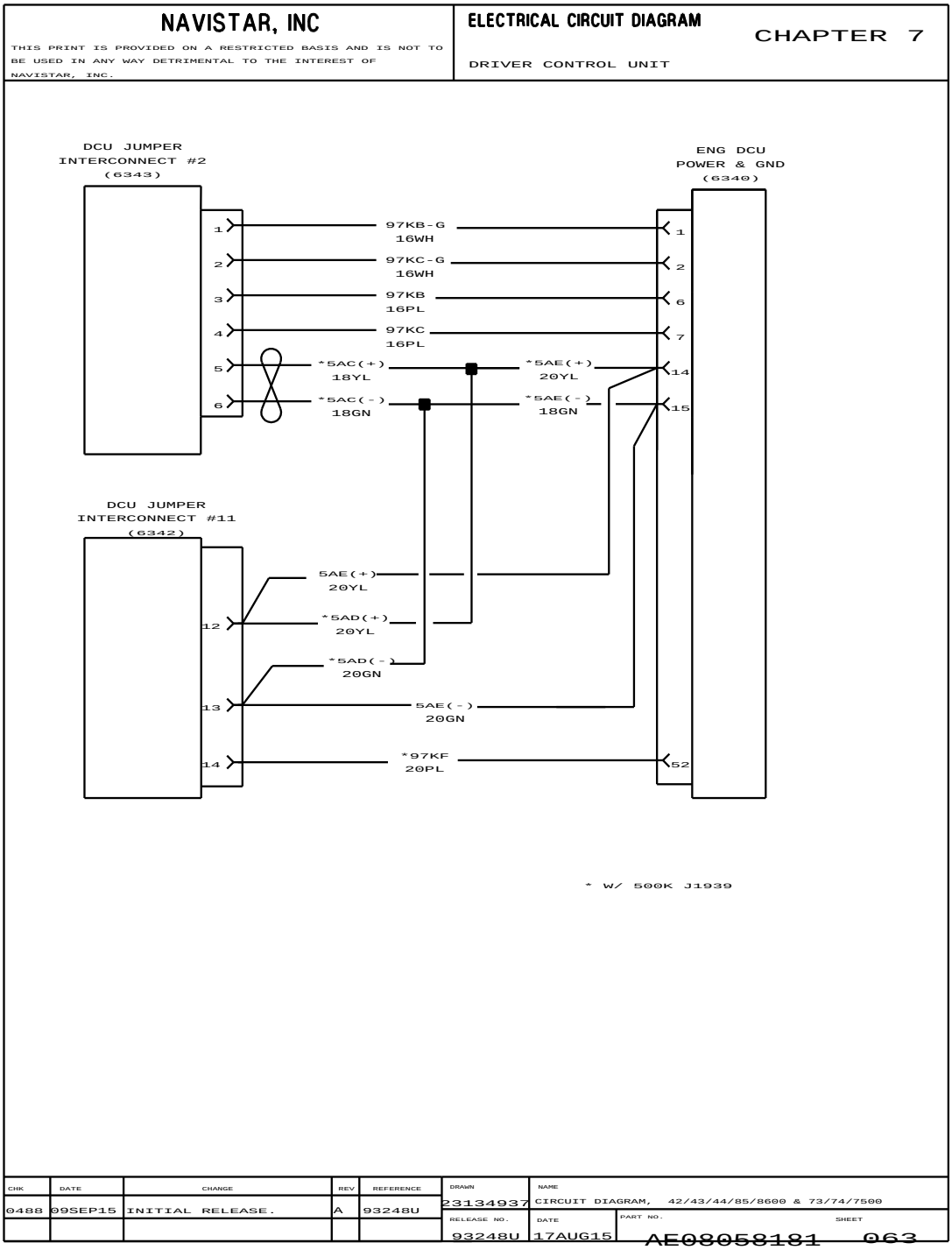

Figure 261 Driver Control Unit

https://truckmanualshub.com/

7.72. DRIVER CONTROL UNIT (CONT), P. 64

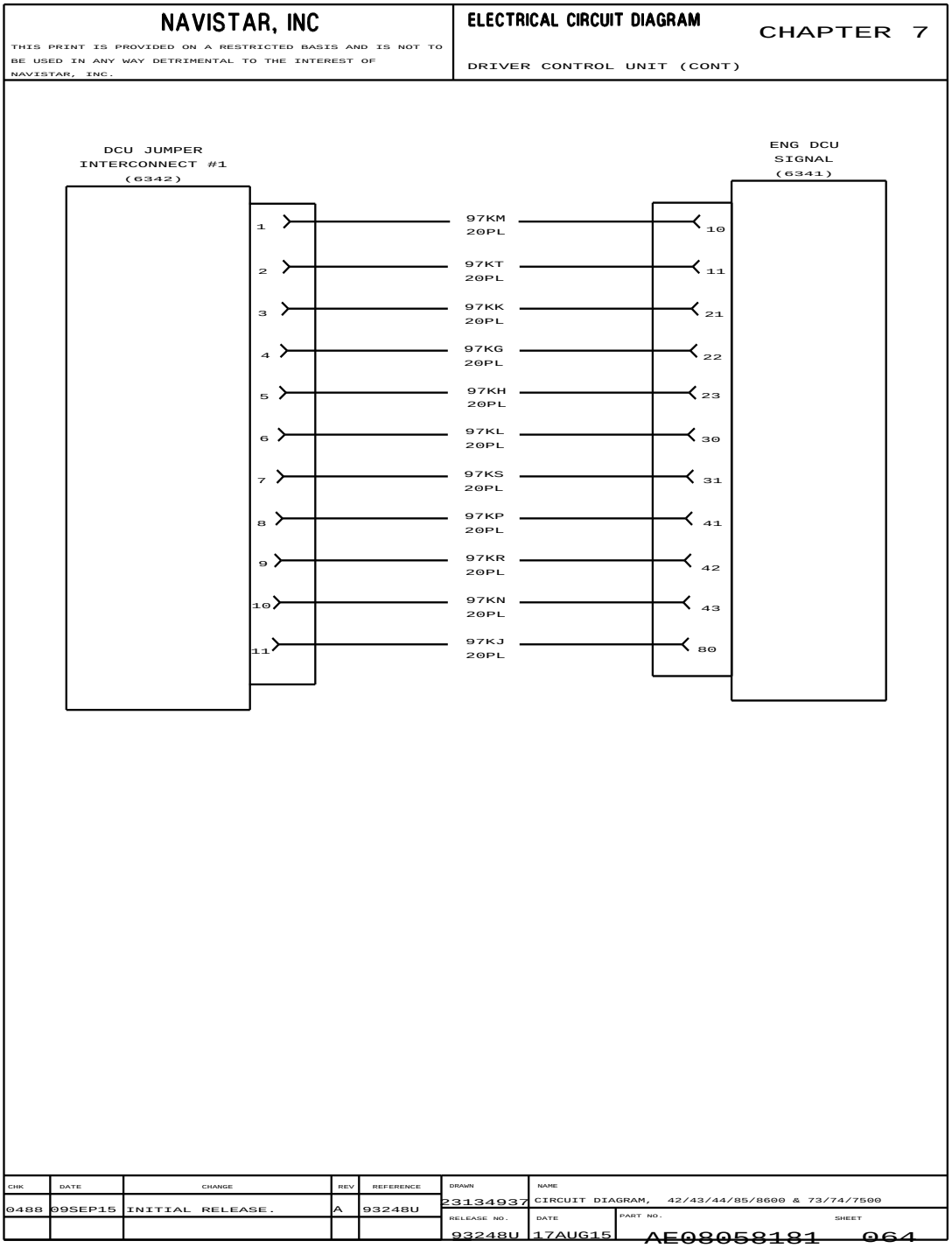

Figure 262 Driver Control Unit (Cont.)

https://truckmanualshub.com/

7.73. EATON PROCISION TRANSMISSION, P. 65

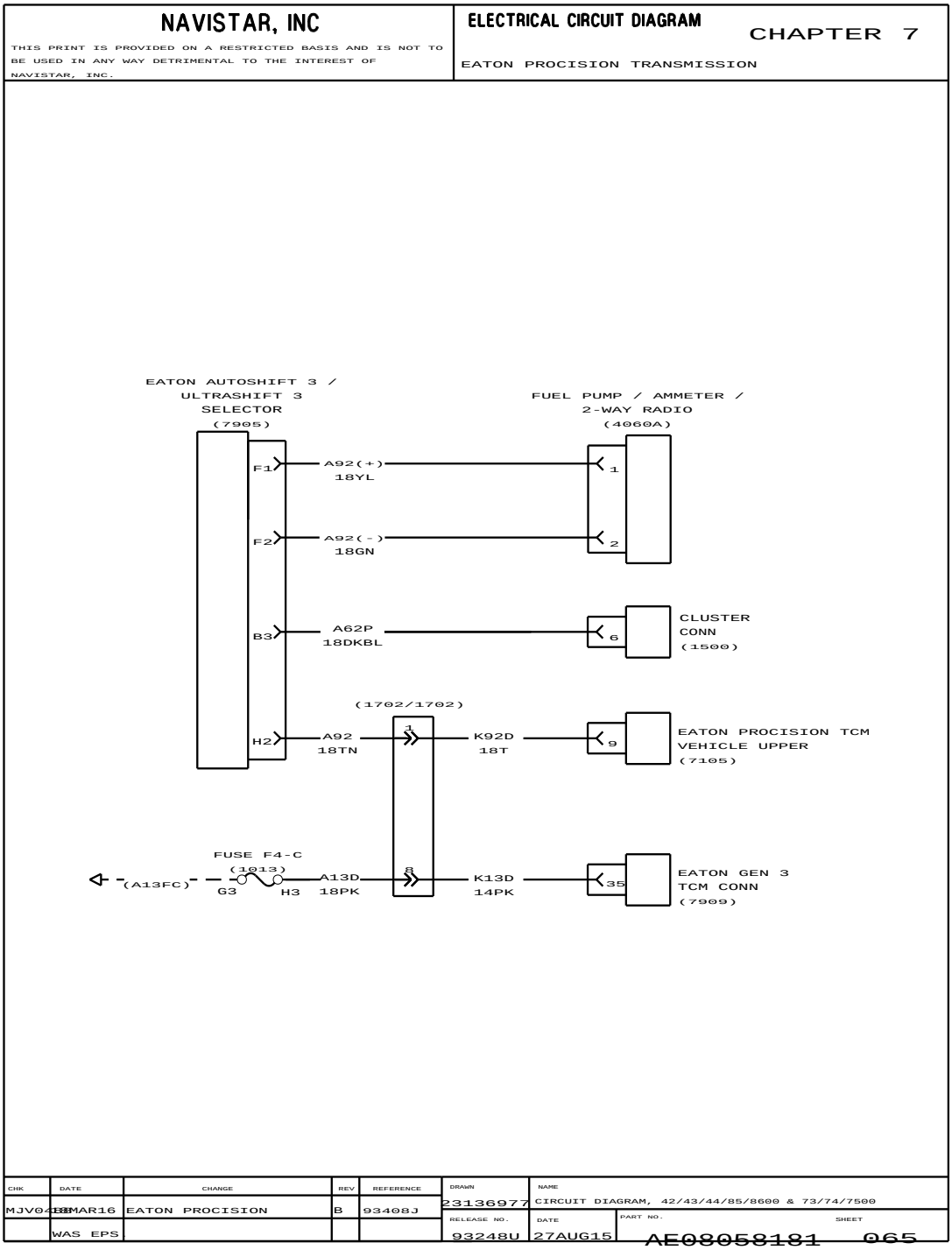

Figure 263 Eaton Procision Transmission

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GAUGES WITH AND WITHOUT INTERNAL WARNING LIGHT (CHAPTER 8)

8.1. IP / GAUGES, P. 1

INTERNATIONAL TRUCK AND ENGINE CORPORATION

THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND
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INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.

ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 8

IP / GAUGES

INSTRUMENT PANEL GAUGES

GAUGE	WARN LIGHT	SIGNAL PATH	SENSOR LOCATION
RPM (TACH)	NO	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	ENGINE
MPH/KPH (SPD)	NO	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	TRANSMISSION
FUEL	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	FUEL TANK
VOLT	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	.
AIR 1 (PRES)	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	INSIDE CAB-DASH PNL
AIR 2 (PRES)	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	STEERING COL AREA
WATER (TEMP)	YES	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	ENGINE
ENG OIL (TEMP)	YES	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	ENGINE
OIL (PRES)	YES	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	ENGINE
TRANS (TEMP)	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	TRANSMISSION
AIR APPLICATION	NO	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	FWD CHASSIS
REAR AXLE TEMP	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	AXLE

NOTES:
1. WARNING LIGHTS ARE PART OF THE GAUGES AND ARE LOCATED IN THE GAUGE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	18SEP09	INITIAL RELEASE.	A	61229V	300647	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 28APR09
						PART NO. AE08058182
						SHEET 001

Figure 264 IP / Gauges

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8.2. WARNING LIGHT LIST, P. 2

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 8

WARNING LIGHTS LIST

IP WARNING LIGHTS

WARNING LIGHT TITLE	SIGNAL PATH	SENSOR LOCATION
RANGE INHIBITED	TRANS CTRLR / DRIVE TRAIN J1939 / CLUSTER	
FUEL FILTER	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	FUEL FILTER
ENGINE (YELLOW LED)	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	
ENGINE (RED LED)	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	
BRAKE PRESSURE (O)	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	SWITCH
BRAKE FLUID	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	BRK RESERVOIR
TRAC CTRL	TRUCK ABS CTRLR / DRIVE TRAIN J1939 / CLUSTER	
CHECK TRANS	TRANS CTRLR / DRIVE TRAIN J1939 / CLUSTER	
TRAILER ABS	TRLR ABS CTRLR / DRIVE TRAIN J1939 / CLUSTER	
WASHER FLUID	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	WASHER BOTTLE
(LEFT TURN)	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	TURN SIG SW
AIR BAG	DISCRETE NOT ON DATA BUS	
WATER IN FUEL	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	FUEL FILTER
COOLANT LEVEL	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	SURGE TANK
CHECK ELECT SYS	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	
PARK (P)	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	SWITCH
CRUISE	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	
ABS	TRUCK CTRLR / DRIVE TRAIN J1939 / CLUSTER	
(RIGHT TURN)	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	
WAIT TO START	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	
FASTEN BELTS	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	
(HIGH BEAM IND)	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	
COLD AMB PROT	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	
RETARD OVERHEAT	TRANS CTRLR / DRIVE TRAIN J1939 / CLUSTER	TRANSMISSION
CHECK AC	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	
AUTO NEUTRAL	DISCRETE NOT ON DATA BUS	SWITCH
ALTERNATOR	DISCRETE NOT ON DATA BUS	
PTO/THROTTLE	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	
OPTIMIZED IDLE	DISCRETE NOT ON DATA BUS	
SNOW VALVE	DISCRETE NOT ON DATA BUS	SNOW VALVE
FR AXLE DIFF LOCK	DISCRETE NOT ON DATA BUS	FWD RR AXLE
RR AXLE DIFF LOCK	DISCRETE NOT ON DATA BUS	RR RR AXLE
MESSAGE WAIT	DISCRETE NOT ON DATA BUS	
PTO	DISCRETE NOT ON DATA BUS	
CONVERTER TEMP	DISCRETE NOT ON DATA BUS	
TOUCH LOC RELEASE	DISCRETE NOT ON DATA BUS	
PARK FLUID	SYSTEM CTRLR/DRIVE TRAIN	
FR AXLE ENGAGED	DISCRETE NOT ON DATA BUS	TRANSFER CASE

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	18SEP09	INITIAL RELEASE.	A	61229V

DRAWN 300647

RELEASE NO. 61229V

NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

DATE 28APR09

PART NO. AE08058182

SHEET 002

Figure 265 Warning Light List

https://truckmanualshub.com/

8.3. WARNING LIGHTS CONTROLLED BY ENGINE, TRANSMISSION, ABS CONTROLLER, P. 3

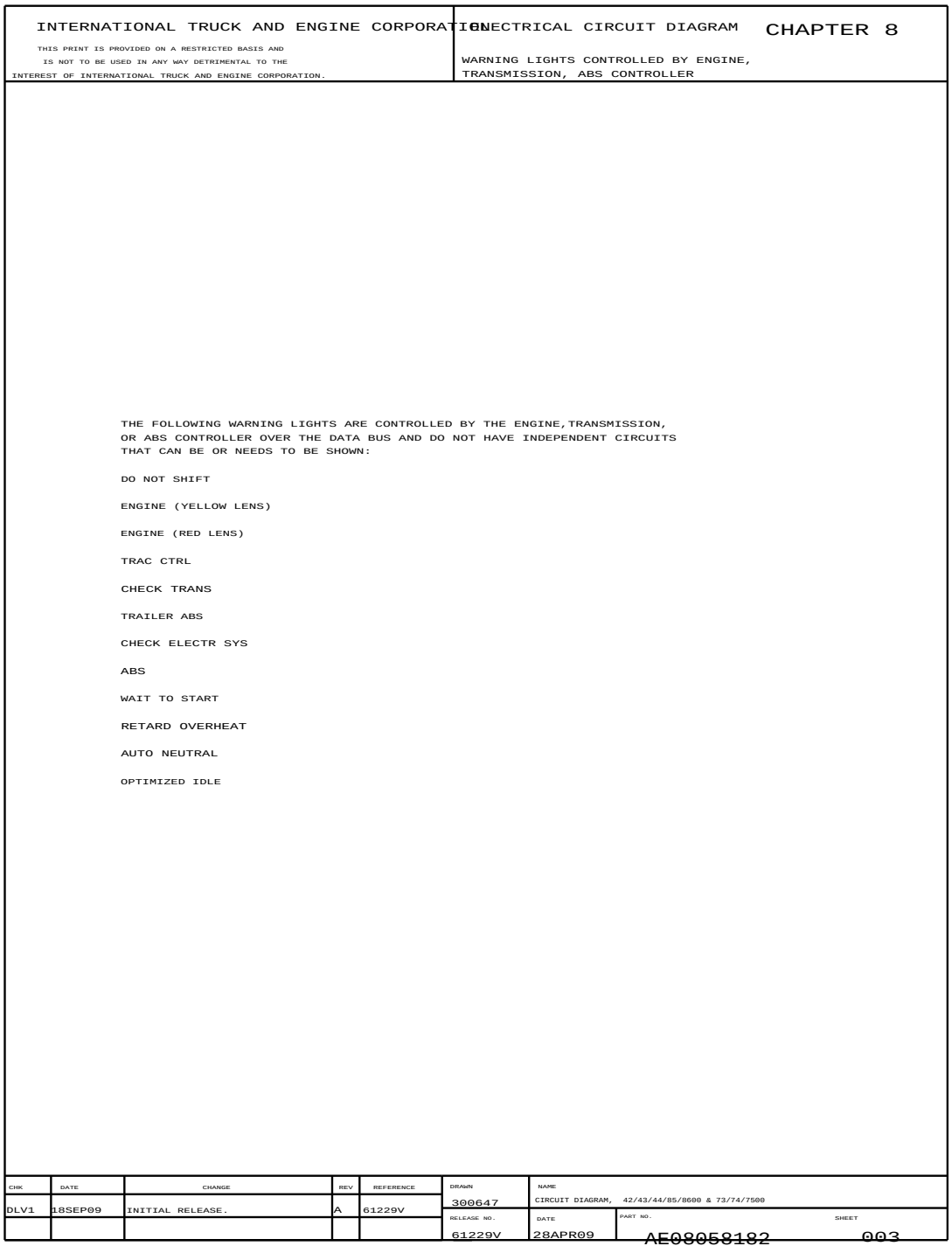

Figure 266 Warning Lights Controlled by Engine, Transmission, ABS Controller

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8.4. ENGINE OIL PRESSURE AND TEMP, SPEEDOMETER, TACHOMETER, VOLTMETER AND WATER TEMP GAUGE CIRCUITS, P. 4

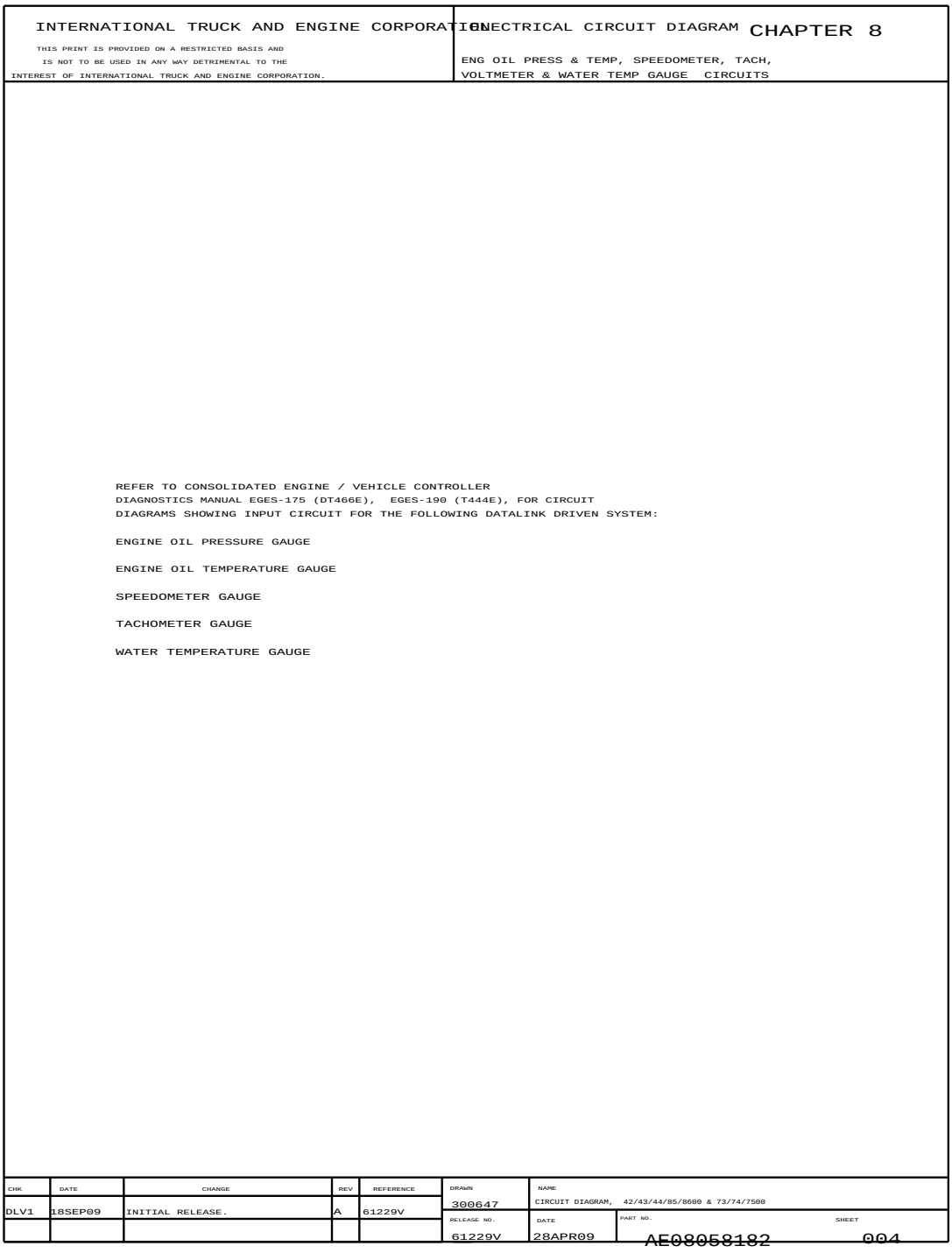

Figure 267 Engine Oil Pressure and Temp, Speedometer, Tachometer, Voltmeter and Water Temp Gauge Circuits

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8.5. IP GAUGES AND WARNING LIGHTS — GAUGE CLUSTER, P. 5

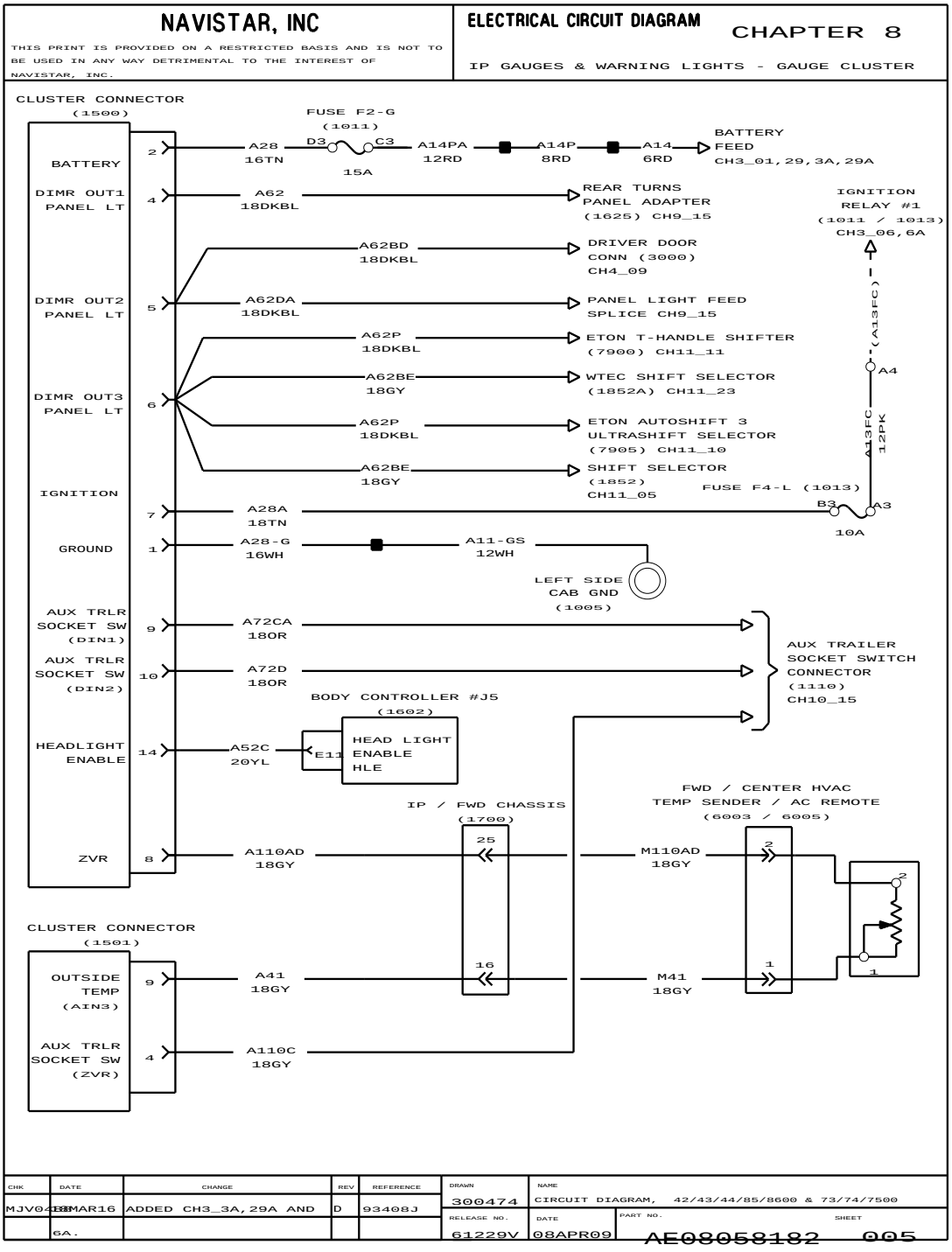

Figure 268 IP Gauges and Warning Lights — Gauge Cluster

https://truckmanualshub.com/

8.6. AIR PRESSURE INPUT CIRCUIT, P. 6

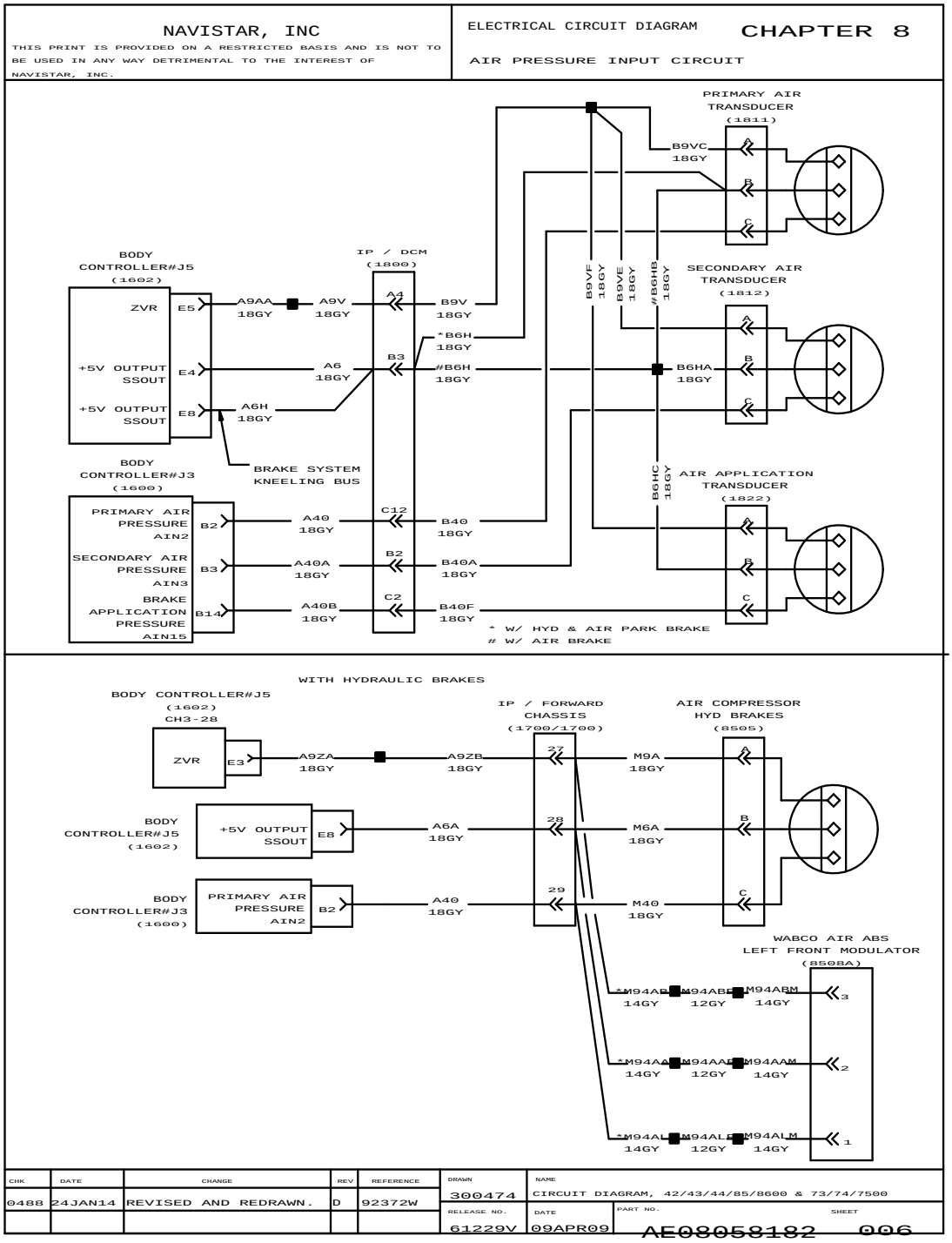

Figure 269 Air Pressure Input Circuit

https://truckmanualshub.com/

8.7. AXLE TEMPERATURE, GAUGE INPUT CIRCUIT, P. 7

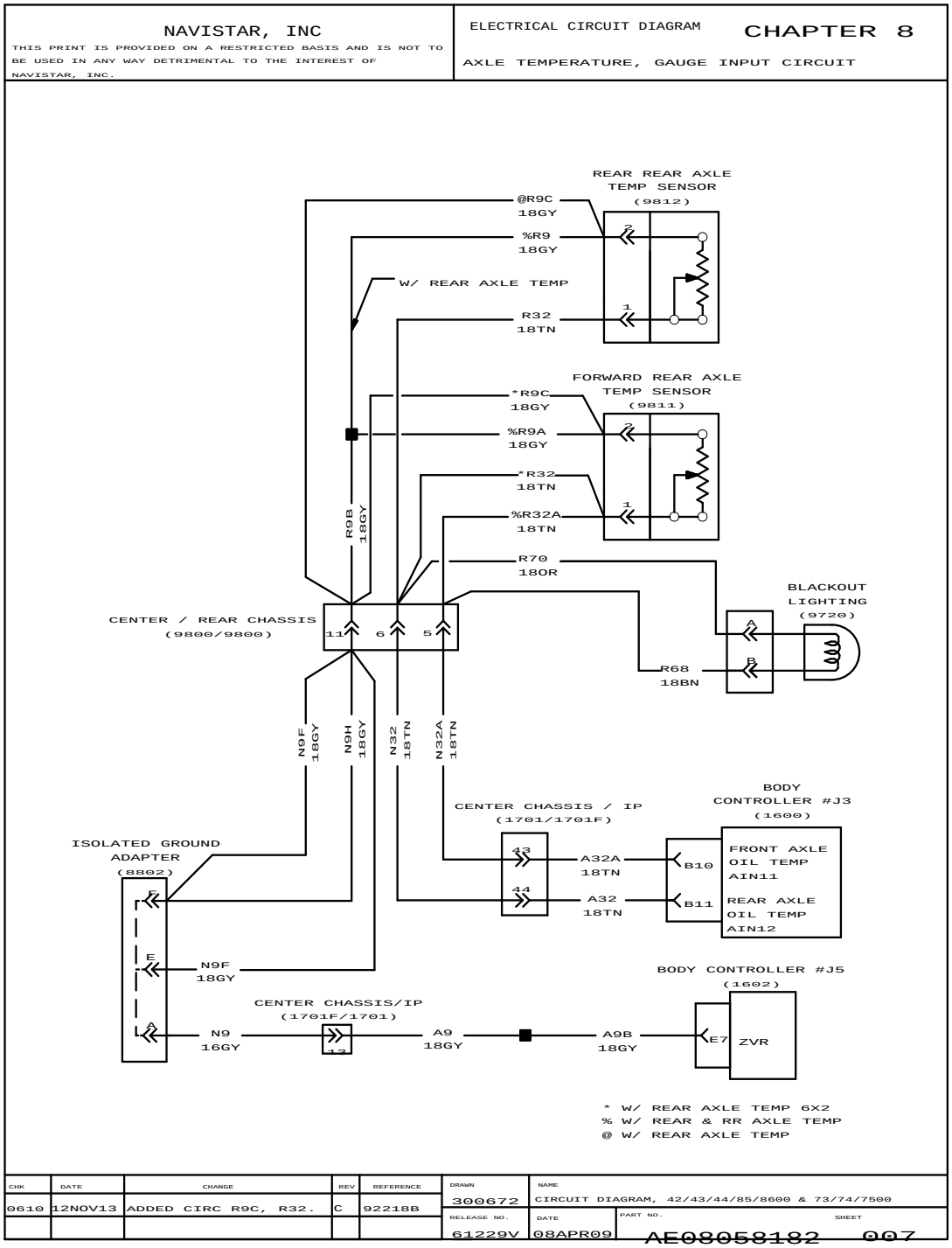

Figure 270 Axle Temperature, Gauge Input Circuit

https://truckmanualshub.com/

8.8. FUEL GAUGE CIRCUITRY (SINGLE TANK AND DUAL TANK), P. 8

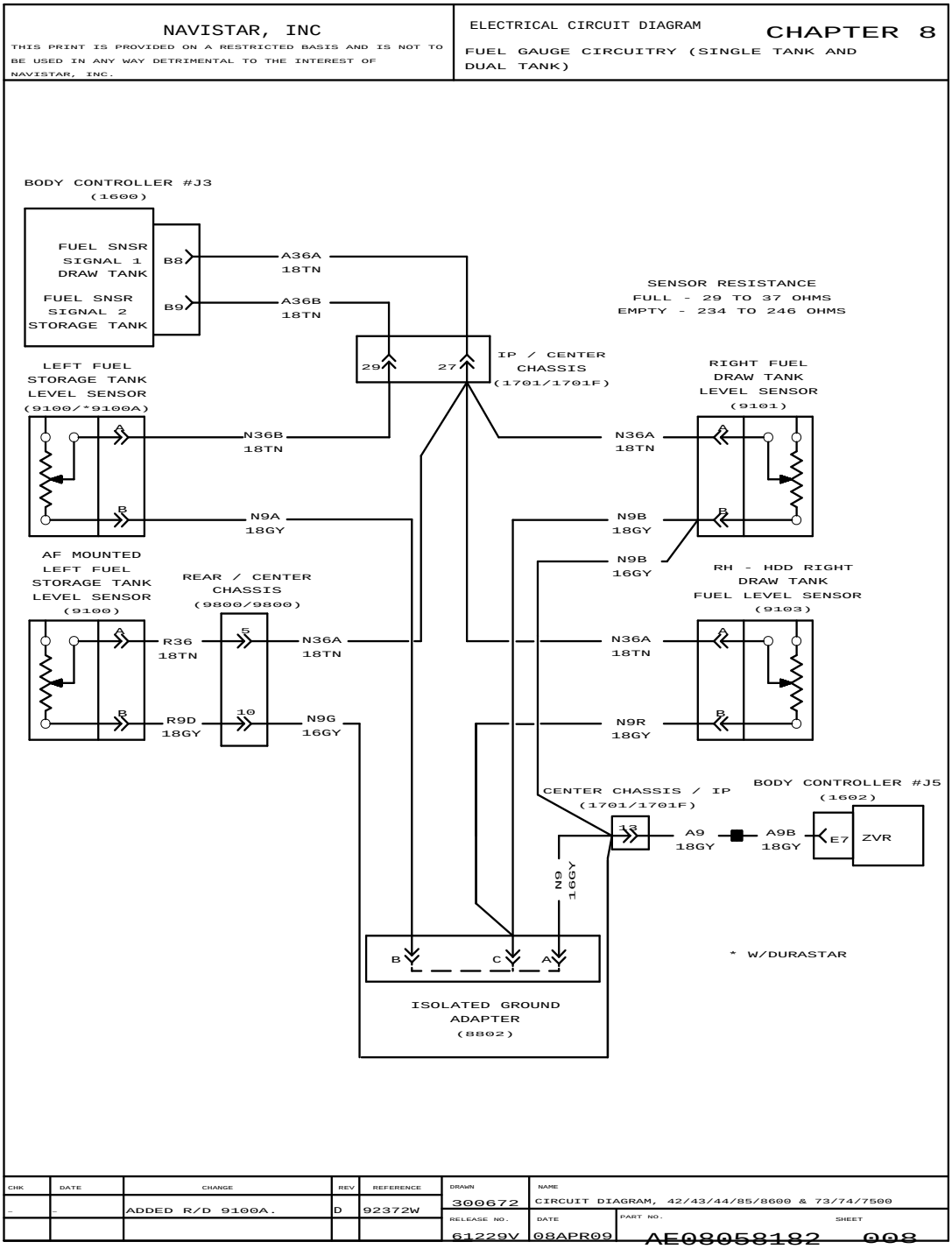

Figure 271 Fuel Gauge Circuitry (Single Tank and Dual Tank)

https://truckmanualshub.com/

8.9. FUEL GAUGE CIRCUITRY, P. 8A

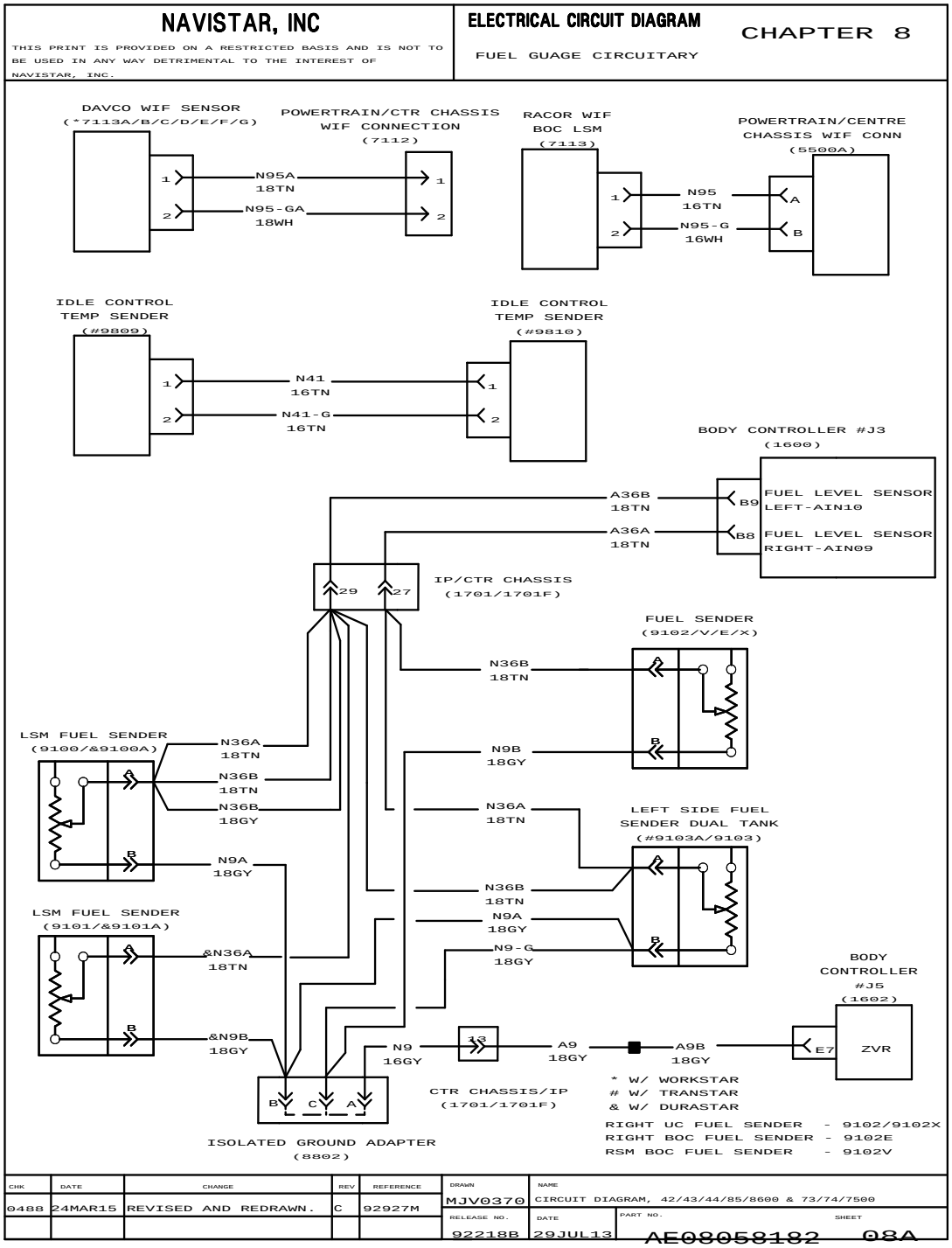

Figure 272 Fuel Gauge Circuitry

https://truckmanualshub.com/

8.10. DIFFERENTIAL LOCK WARNING LAMPS, P. 9

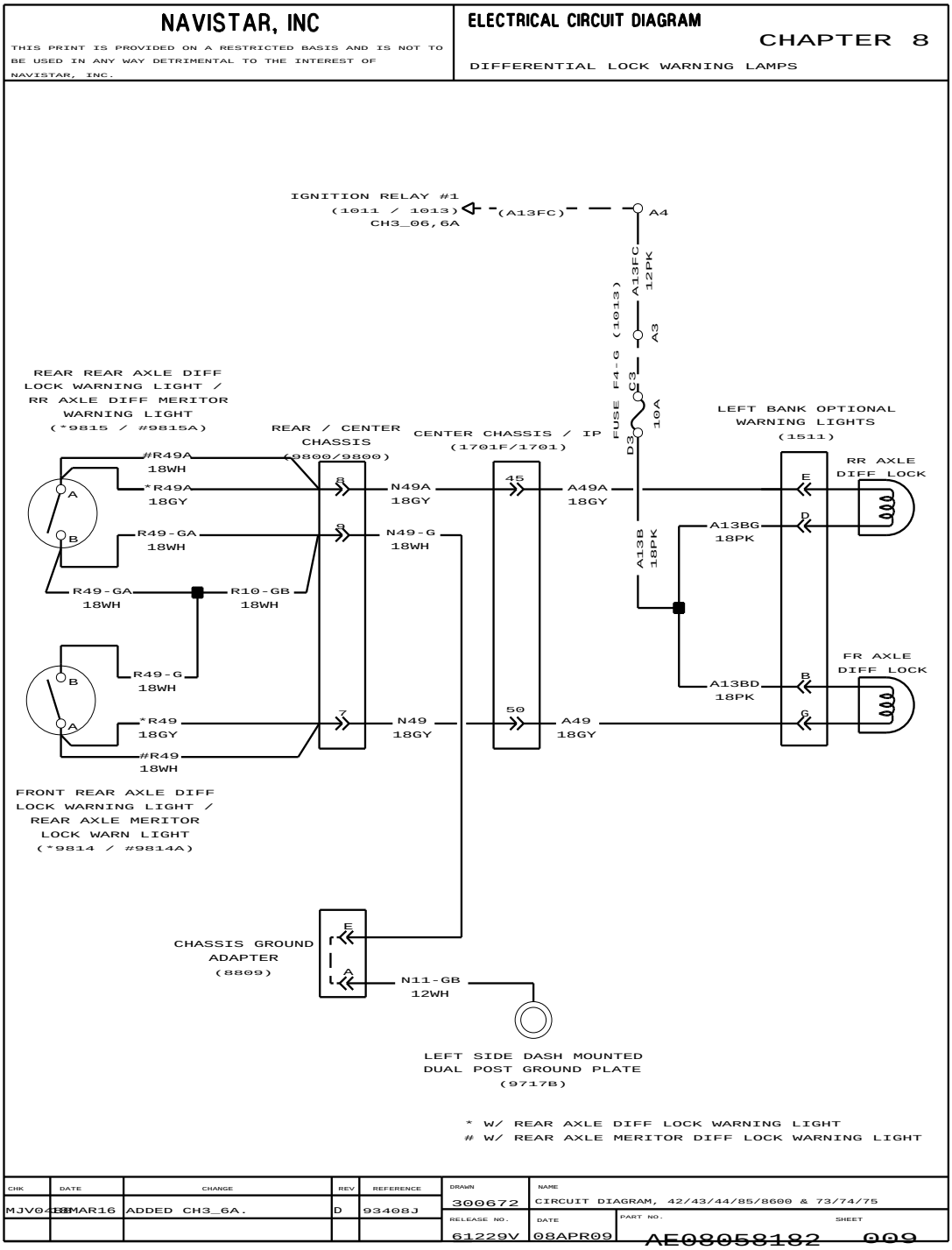

Figure 273 Differential Lock Warning Lamps

https://truckmanualshub.com/

8.11. PARK BRAKE SWITCH HYDRAULIC, P. 10

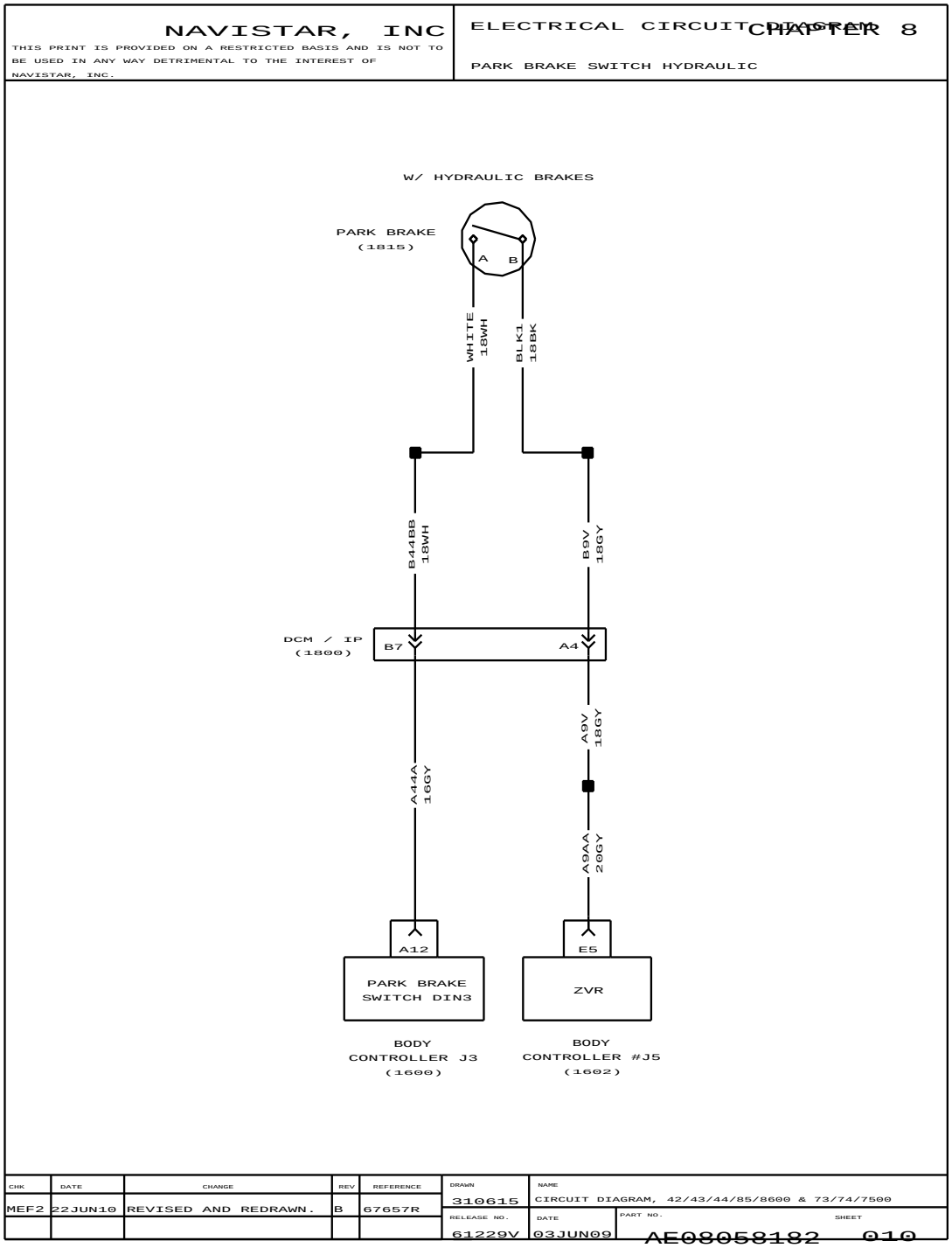

Figure 274 Park Brake Switch Hydraulic

https://truckmanualshub.com/

8.12. GAUGES AND WARNING LIGHTS – AMMETER, P. 11

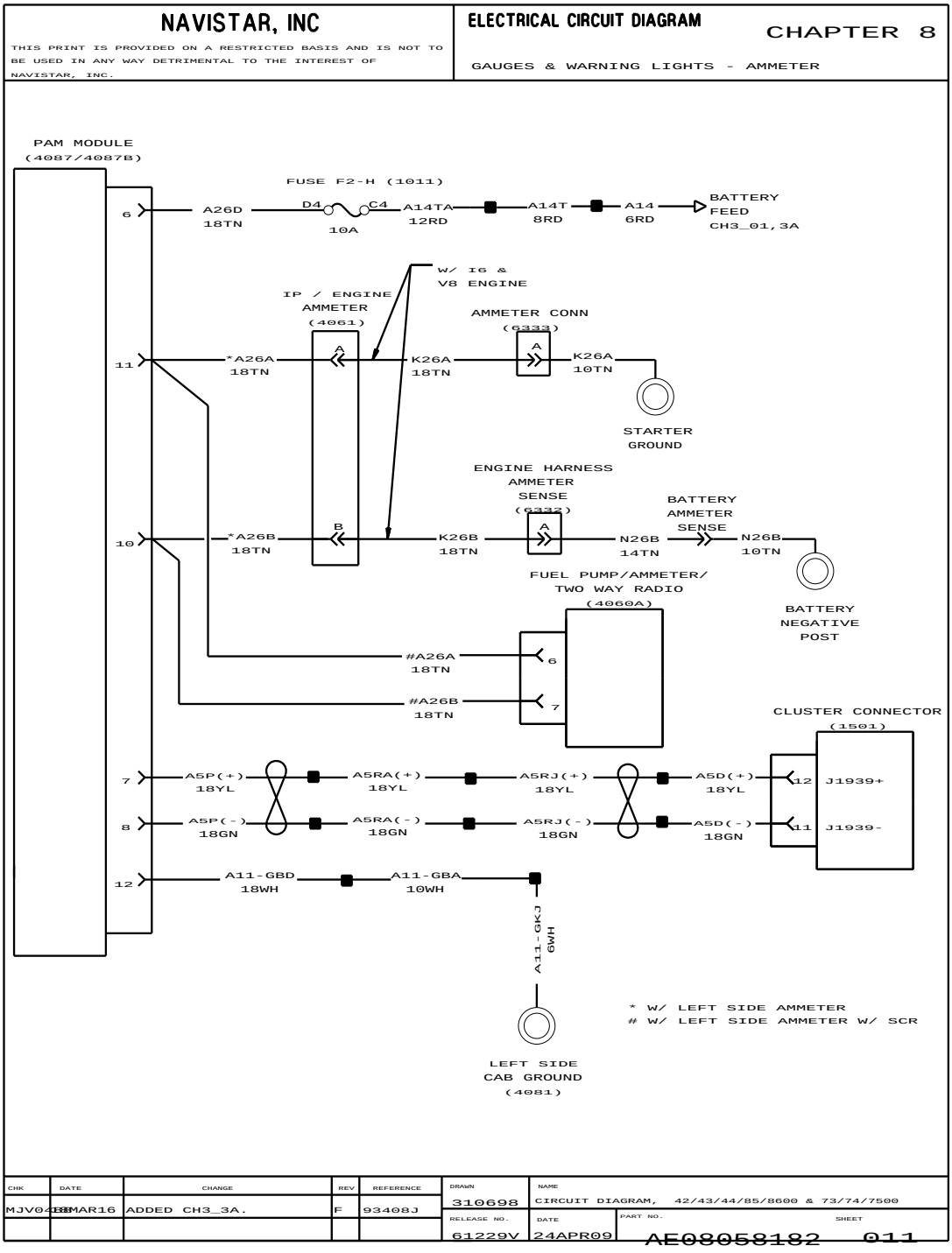

Figure 275 Gauges and Warning Lights – Ammeter

https://truckmanualshub.com/

8.13. FRONT AXLE ENGAGEMENT WARNING LAMP, P. 12

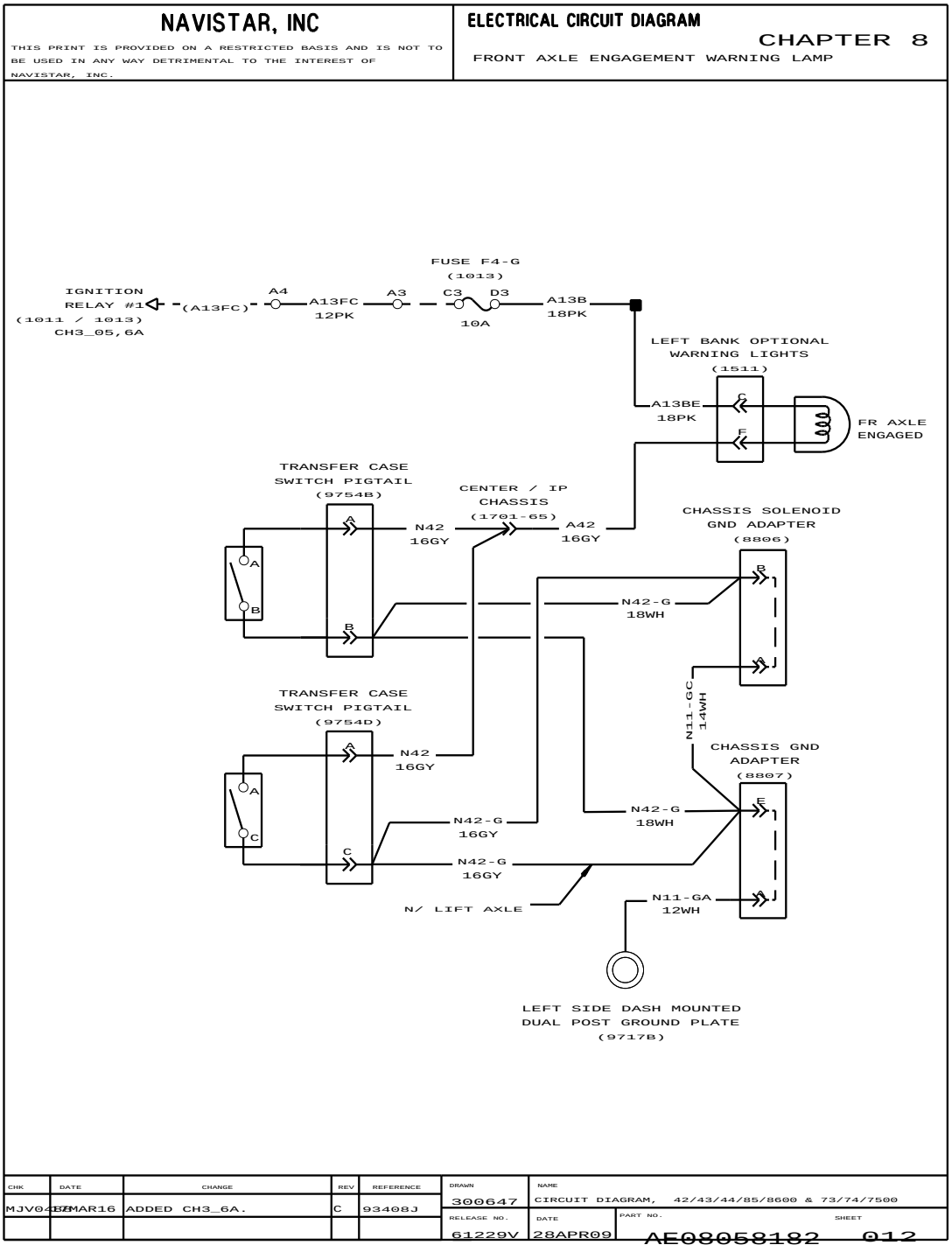

Figure 276 Front Axle Engagement Warning Lamp

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8.14. WARNING LIGHTS – RIGHT BANK – OPTIONAL, P. 13

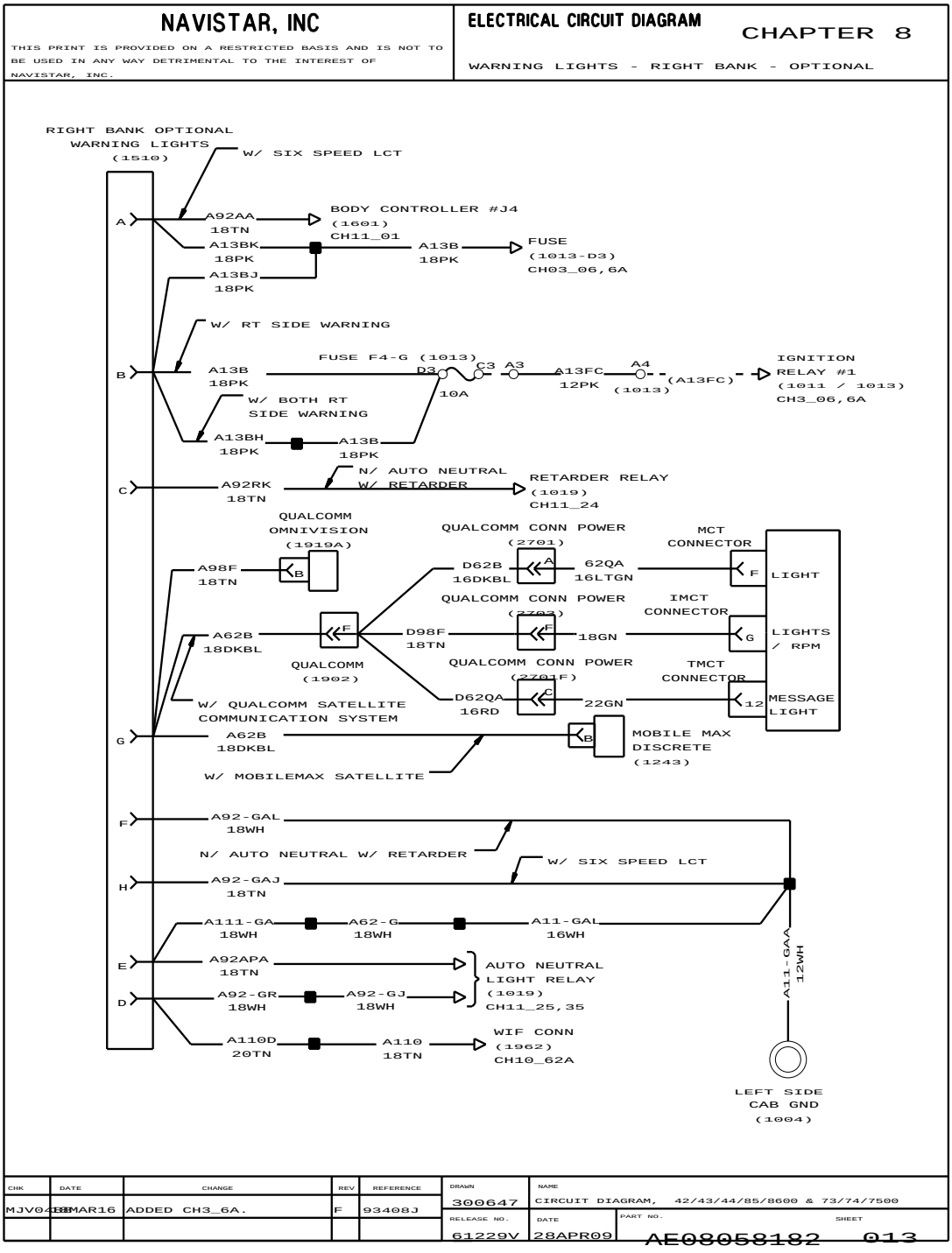

Figure 277 Warning Lights – Right Bank – Optional

https://truckmanualshub.com/

8.15. WARNING LIGHTS – LEFT BANK – OPTIONAL, P. 14

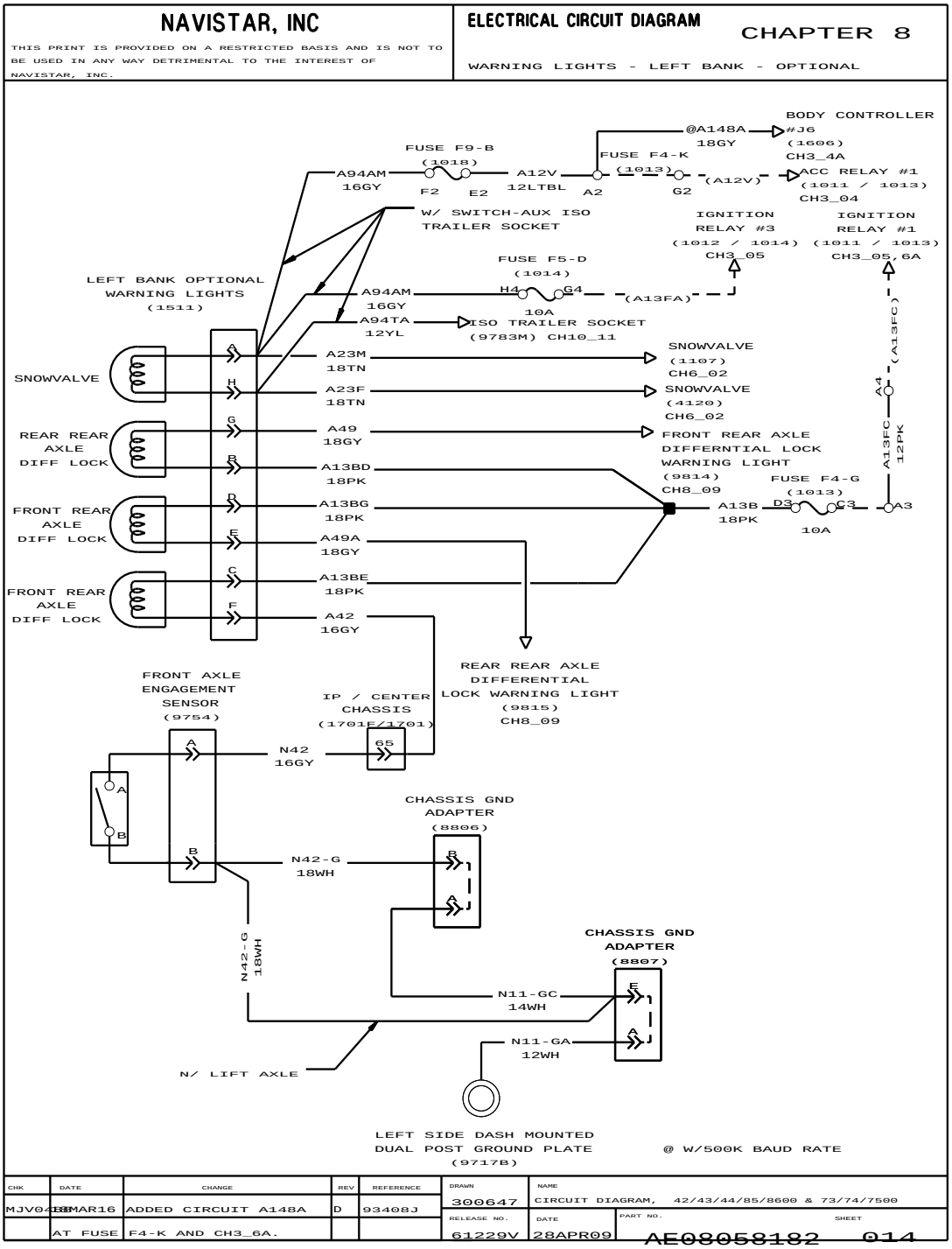

Figure 278 Warning Lights – Left Bank – Optional

https://truckmanualshub.com/

8.16. LOAD MONITORING, P. 15

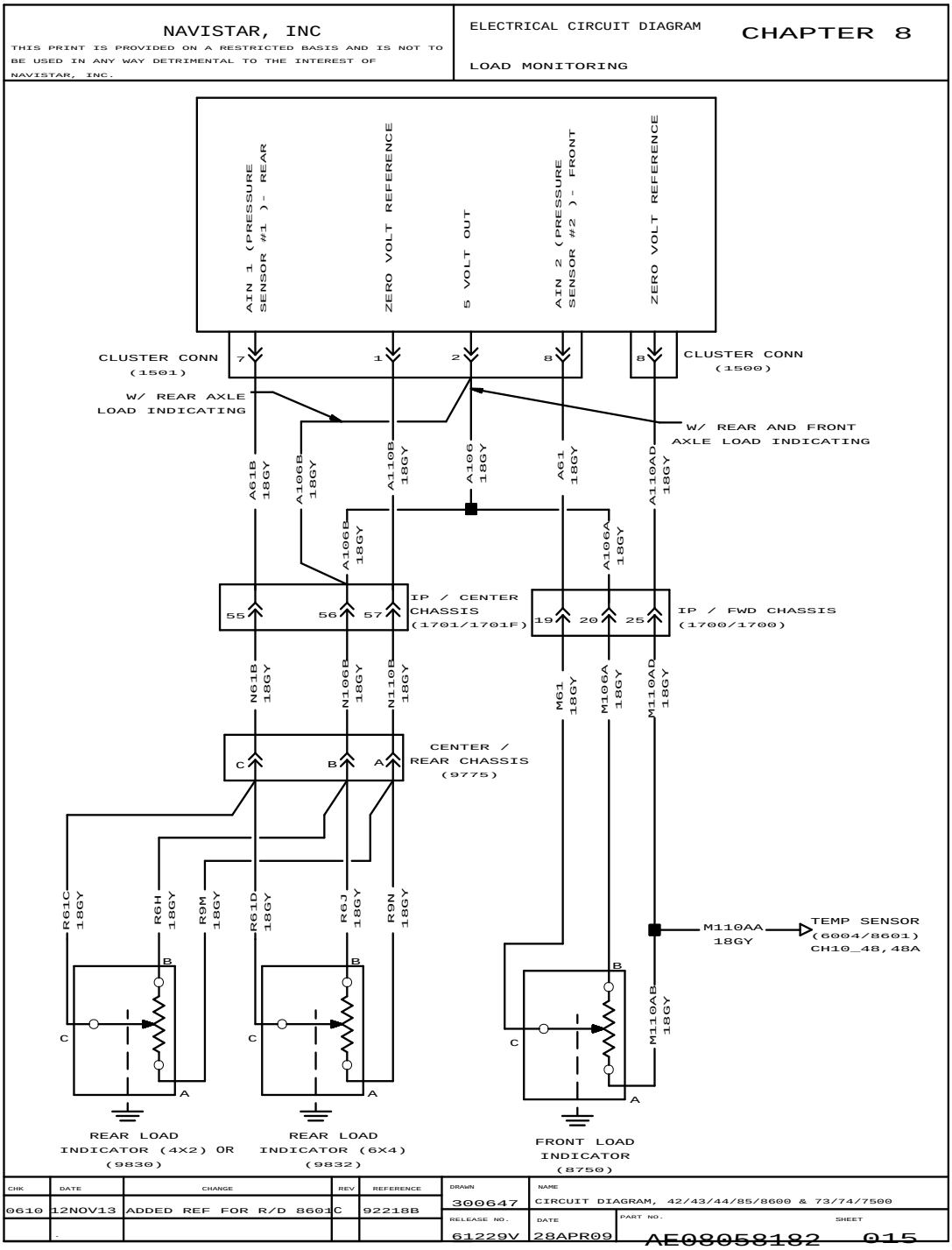

Figure 279 Load Monitoring

https://truckmanualshub.com/

8.17. LOAD MONITORING (CONT.), P. 15A

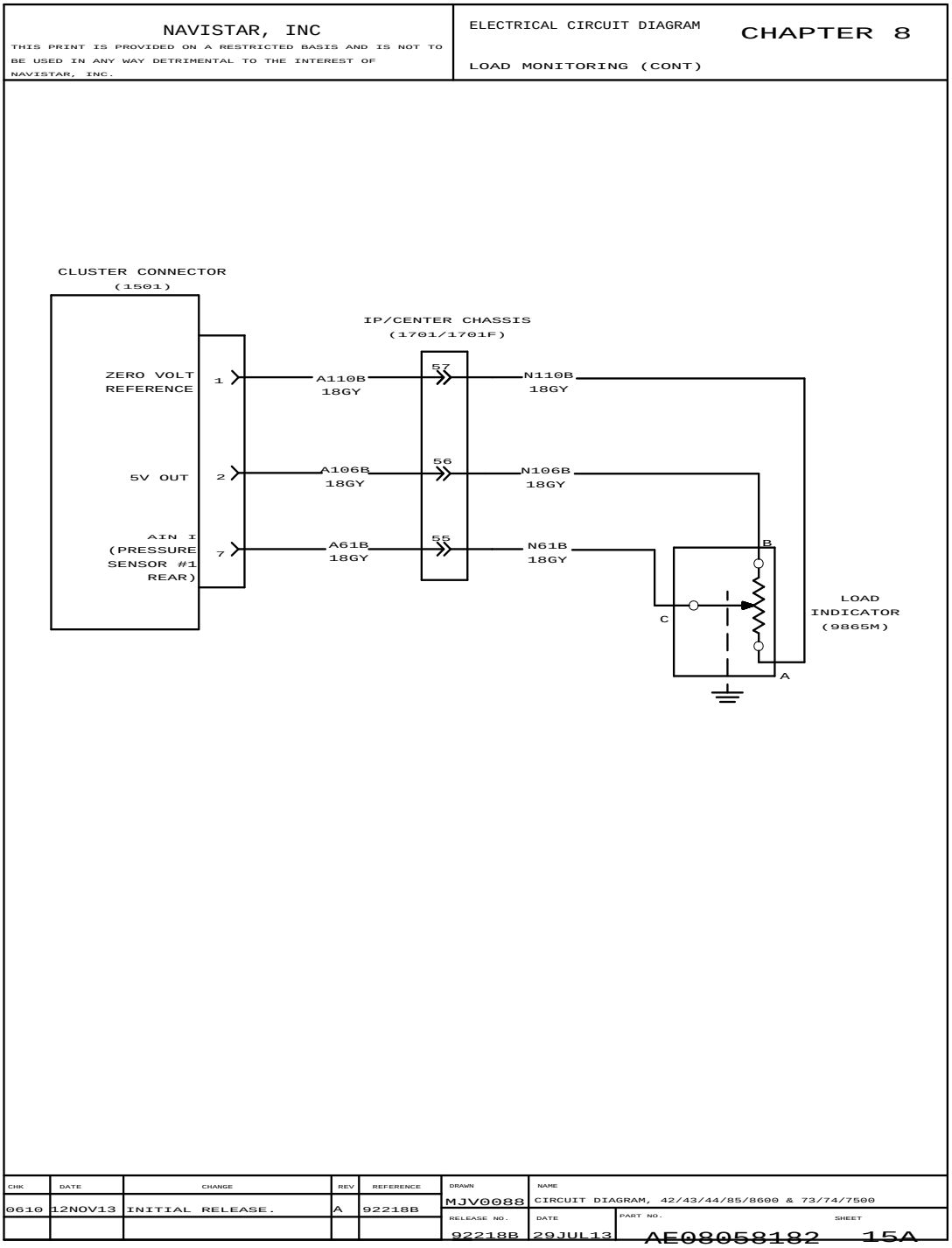

Figure 280 Load Monitoring (Cont.)

https://truckmanualshub.com/

8.18. AIR PARK BRAKE AND MANUAL TRANSMISSION OIL TEMP GAUGE, P. 16

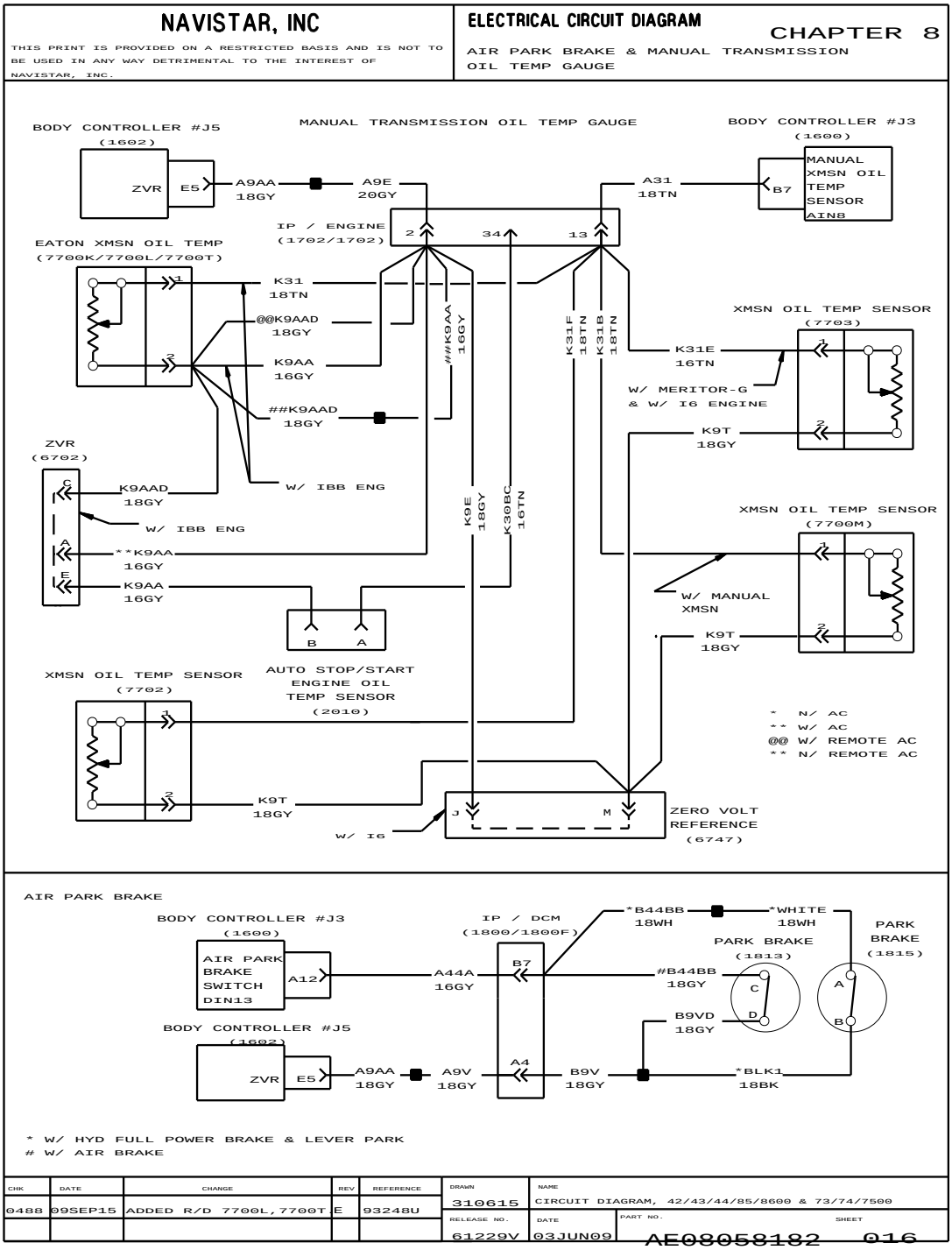

Figure 281 Air Park Brake and Manual Transmission Oil Temp Gauge

https://truckmanualshub.com/

8.19. FUEL HEATER CONNECTIONS, P. 17

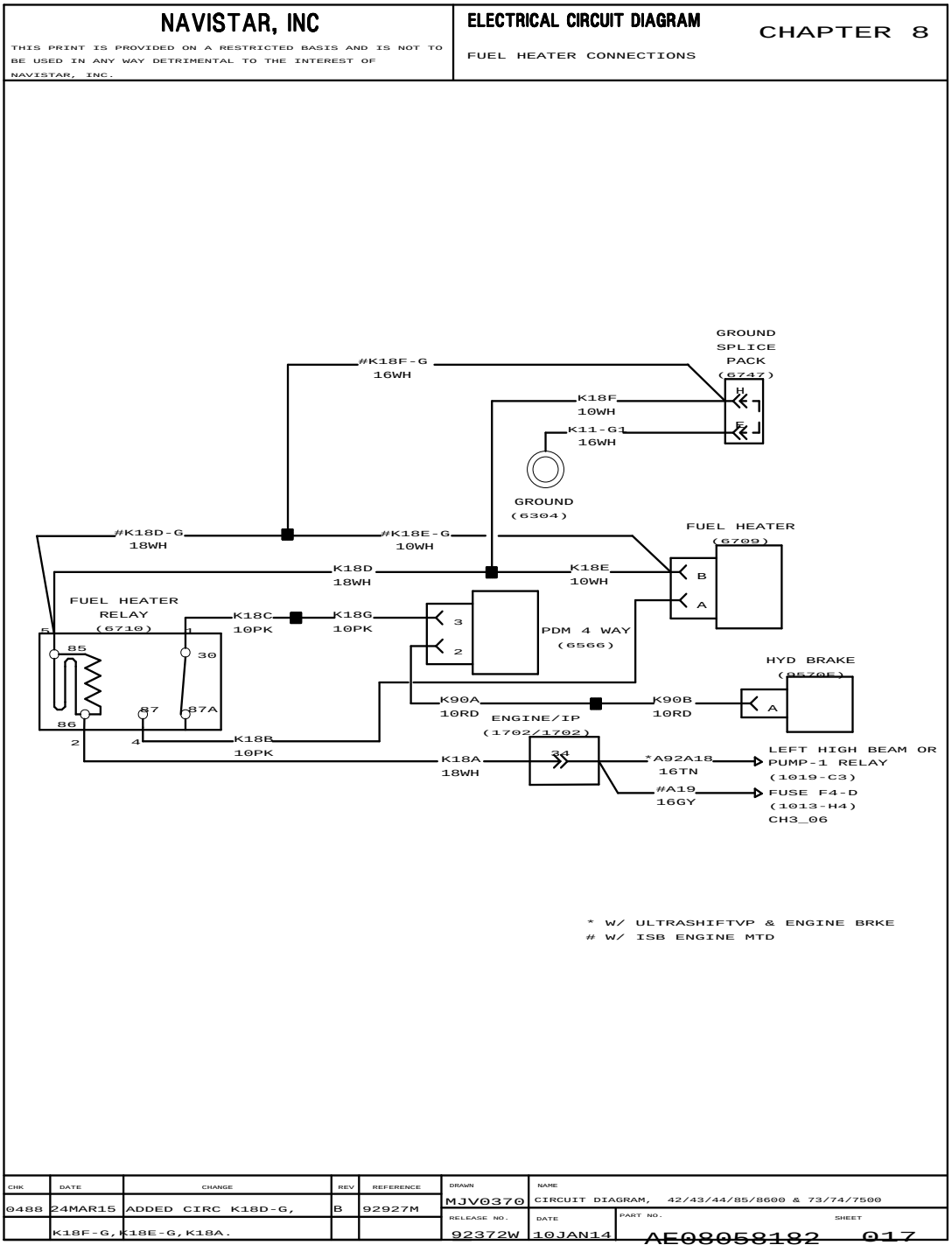

Figure 282 Fuel Heater Connections

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8.20. FUEL HEATER CONNECTIONS (CONT.), P. 18

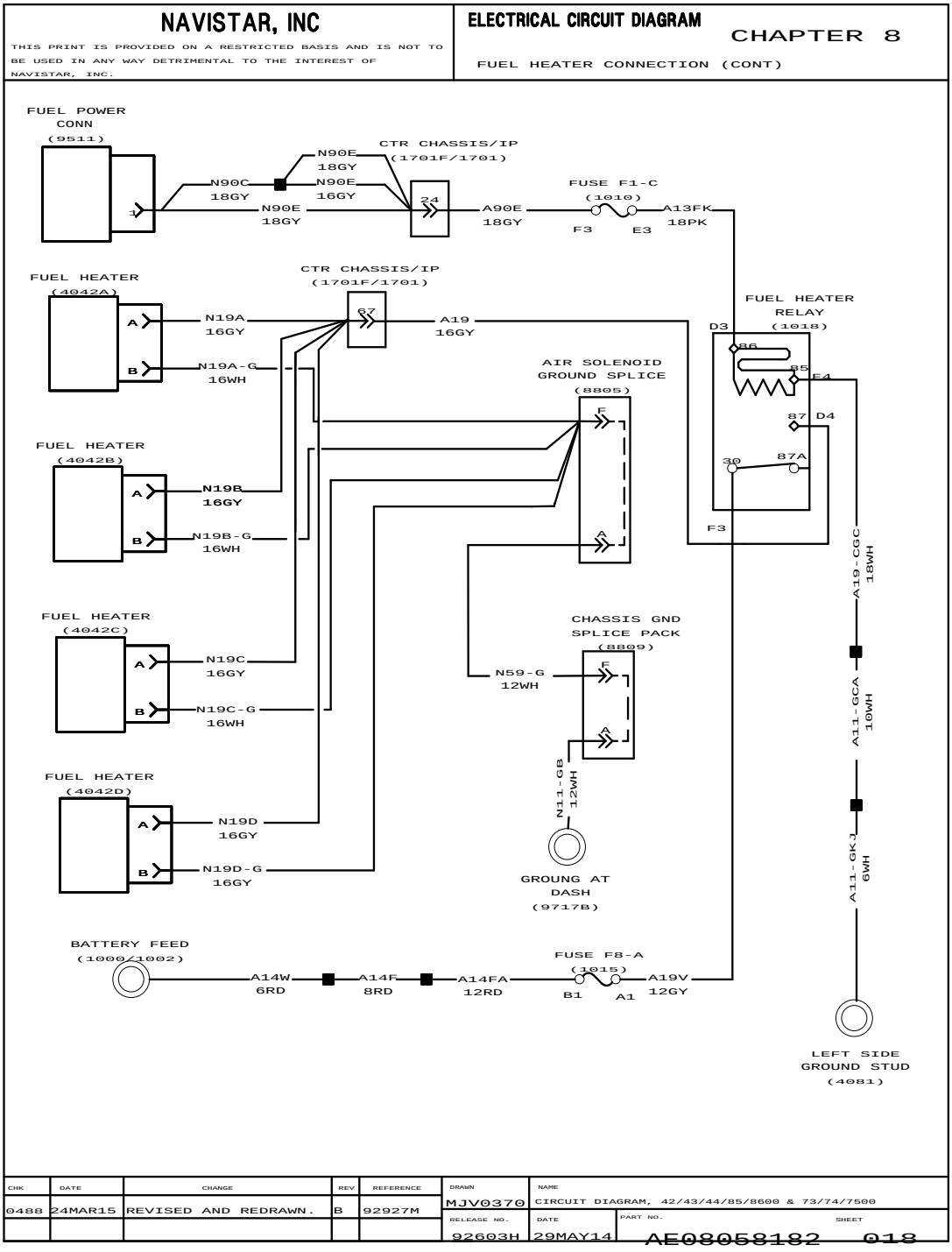

Figure 283 Fuel Heater Connections (Cont.)

https://truckmanualshub.com/

8.21. BATTERY WARNING INDICATOR, P. 19

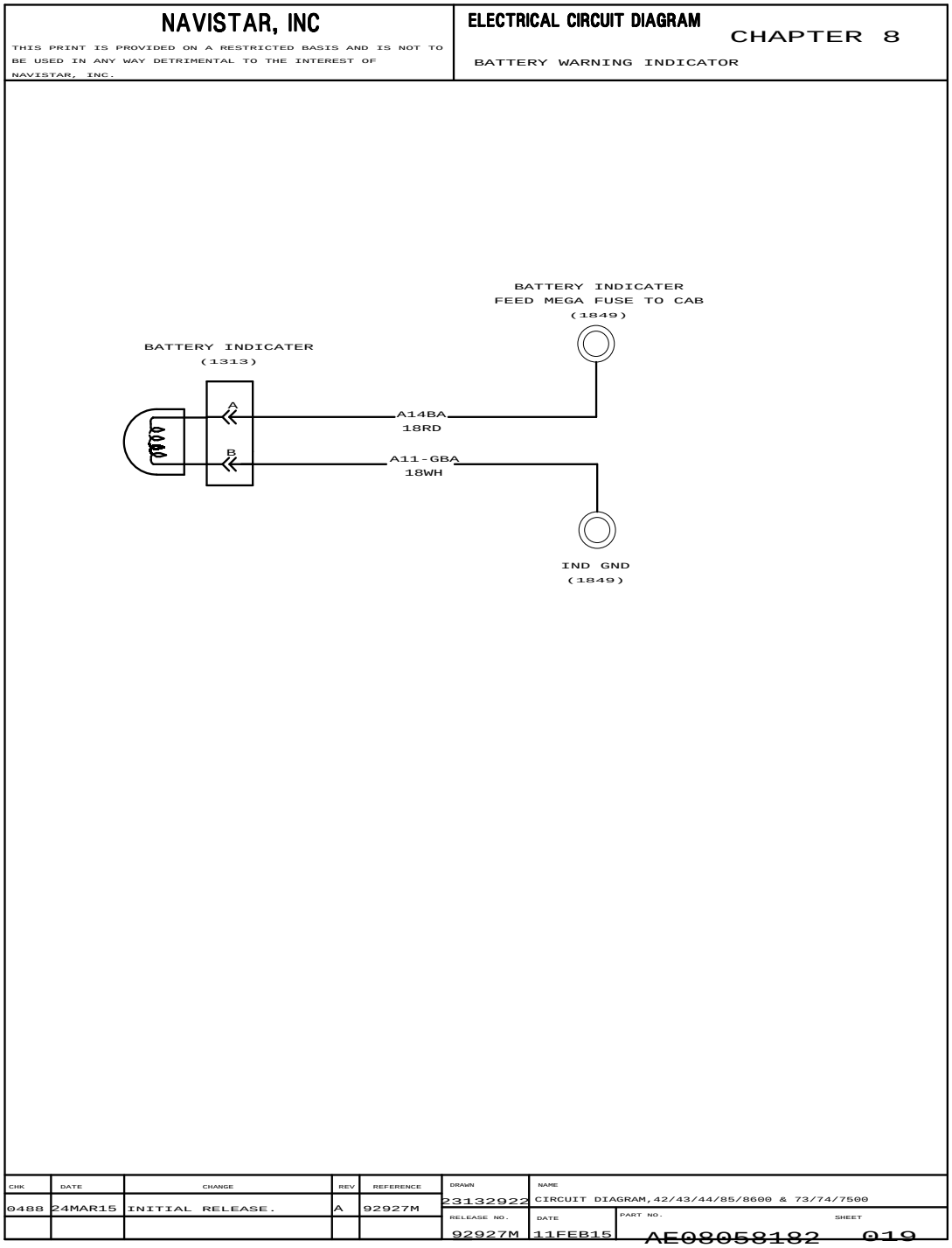

Figure 284 Battery Warning Indicator

https://truckmanualshub.com/

LIGHTS (CHAPTER 9)

9.1. BACK-UP LIGHTS WITHOUT ALLISON TRANSMISSION, P. 1

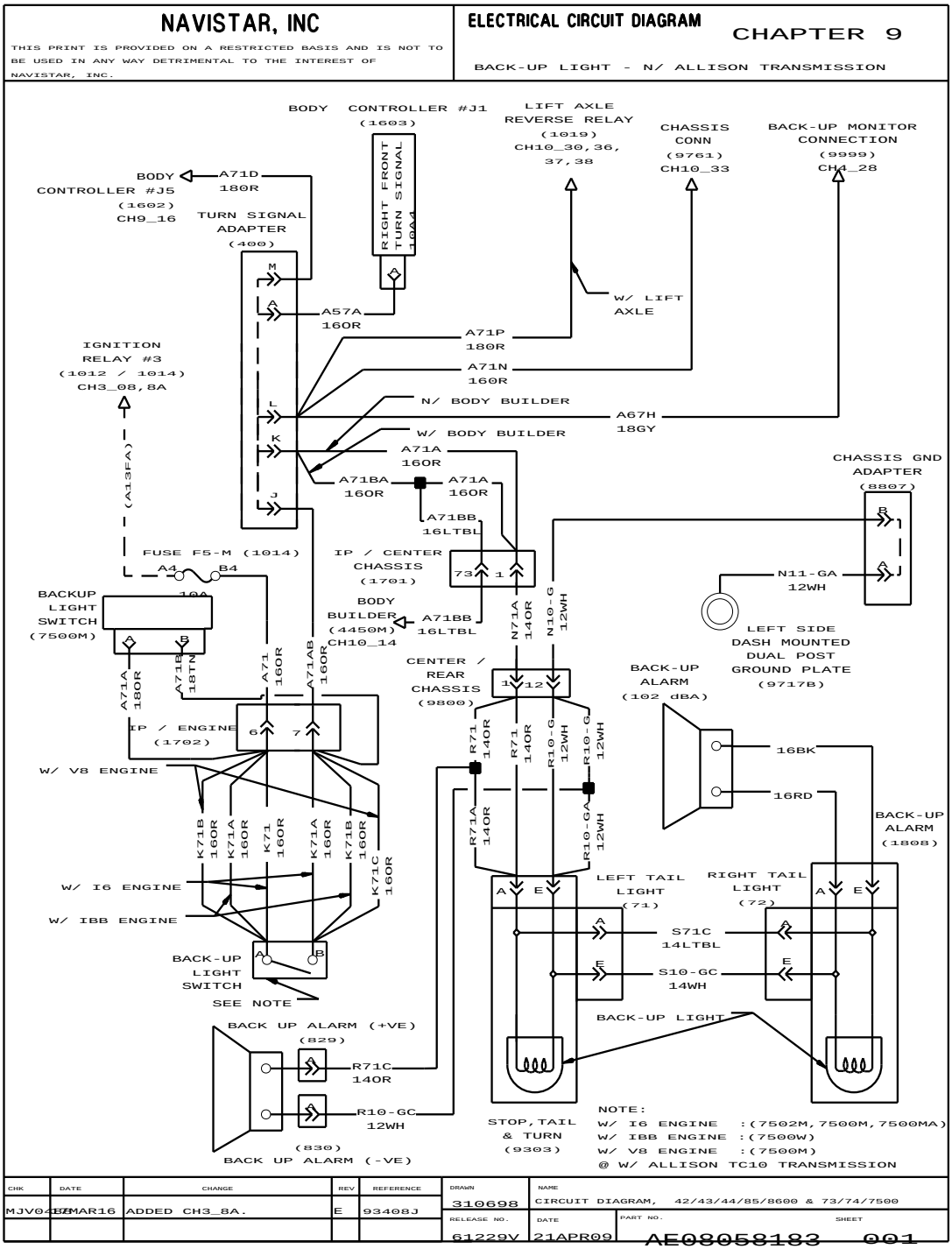

Figure 285 Back-Up Lights without Allison Transmission

https://truckmanualshub.com/

9.2. BACK-UP LIGHTS WITH ALLISON TRANSMISSION, P. 2

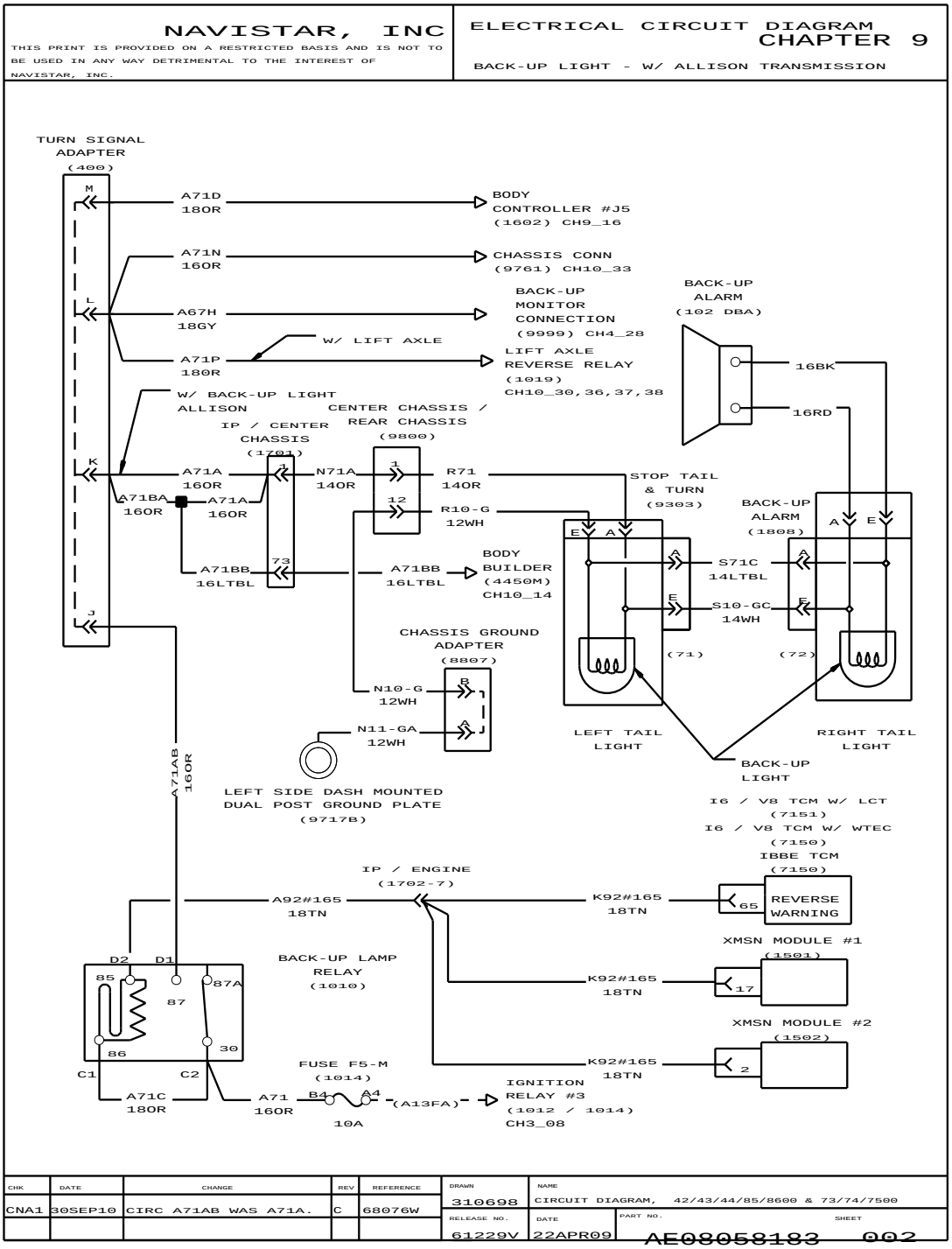

Figure 286 Back-Up Lights with Allison Transmission

https://truckmanualshub.com/

9.3. LIGHT SYSTEMS – CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LIGHTS, P. 3

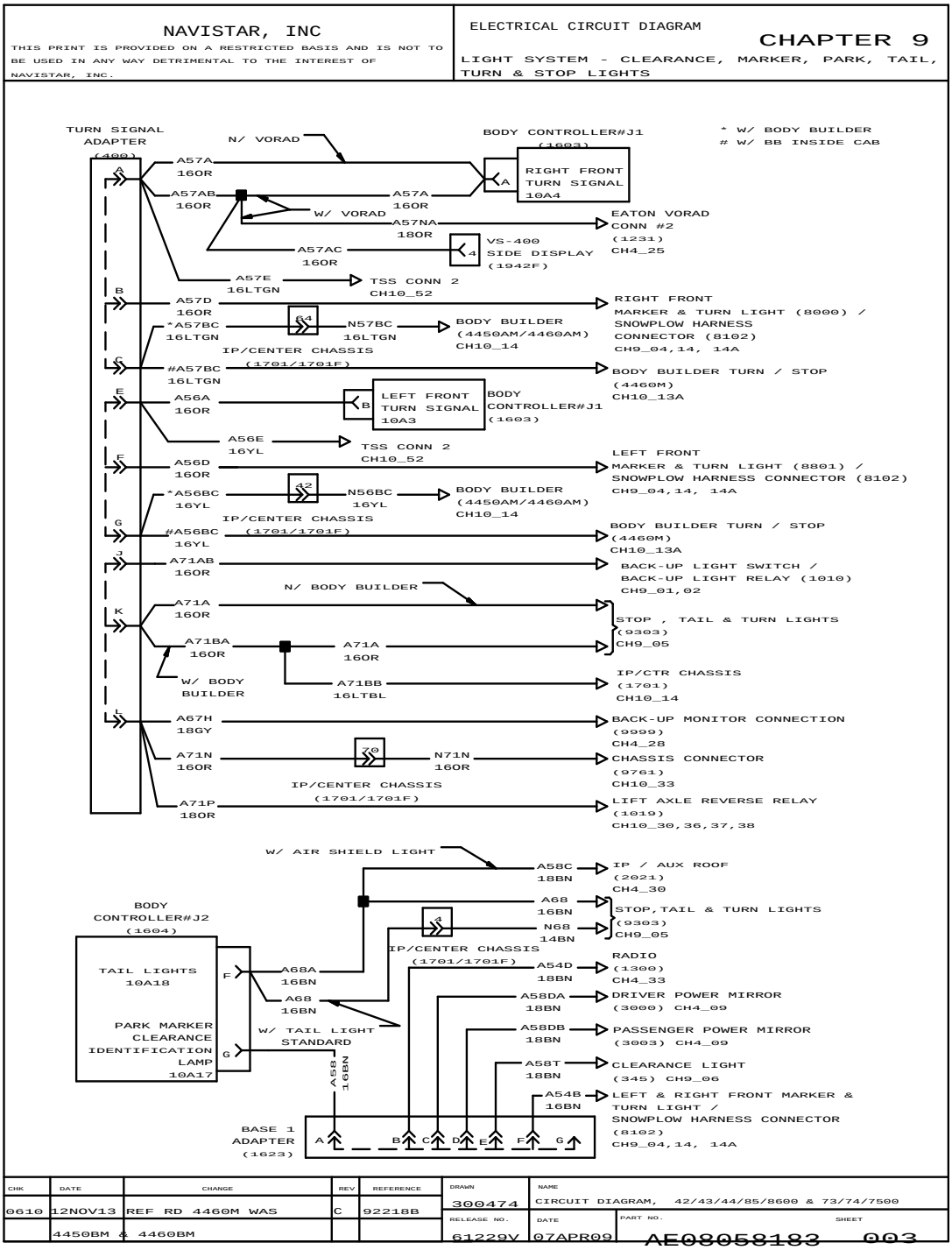

Figure 287 Light Systems – Clearance, Marker, Park, Tail, Turn and Stop Lights

https://truckmanualshub.com/

9.4. LIGHT SYSTEMS – CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LIGHTS (CONT.), P. 3A

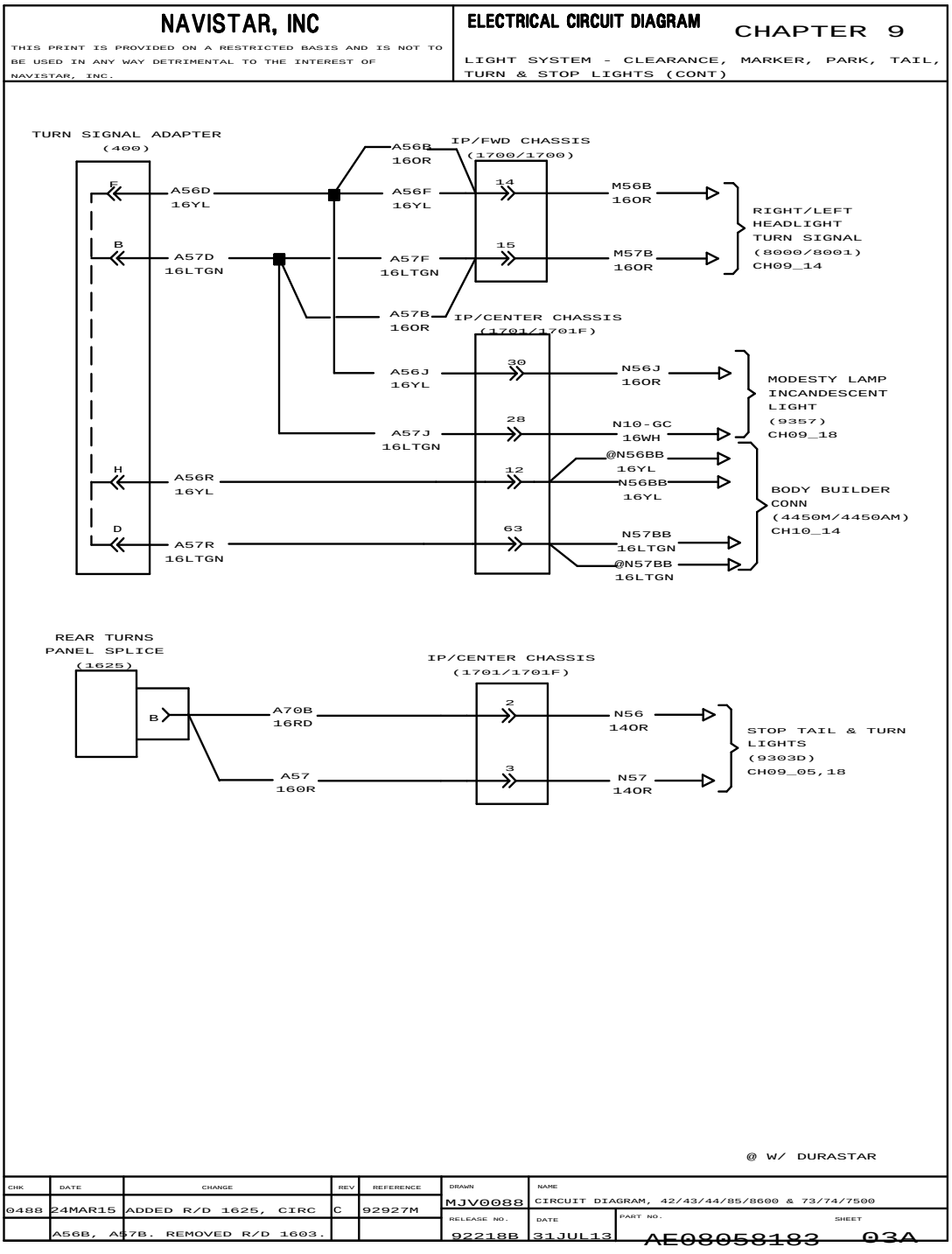

Figure 288 Light Systems – Clearance, Marker, Park, Tail, Turn and Stop Lights (Cont.)

https://truckmanualshub.com/

9.5. LIGHT SYSTEMS – CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LIGHTS (CONT.), P. 4

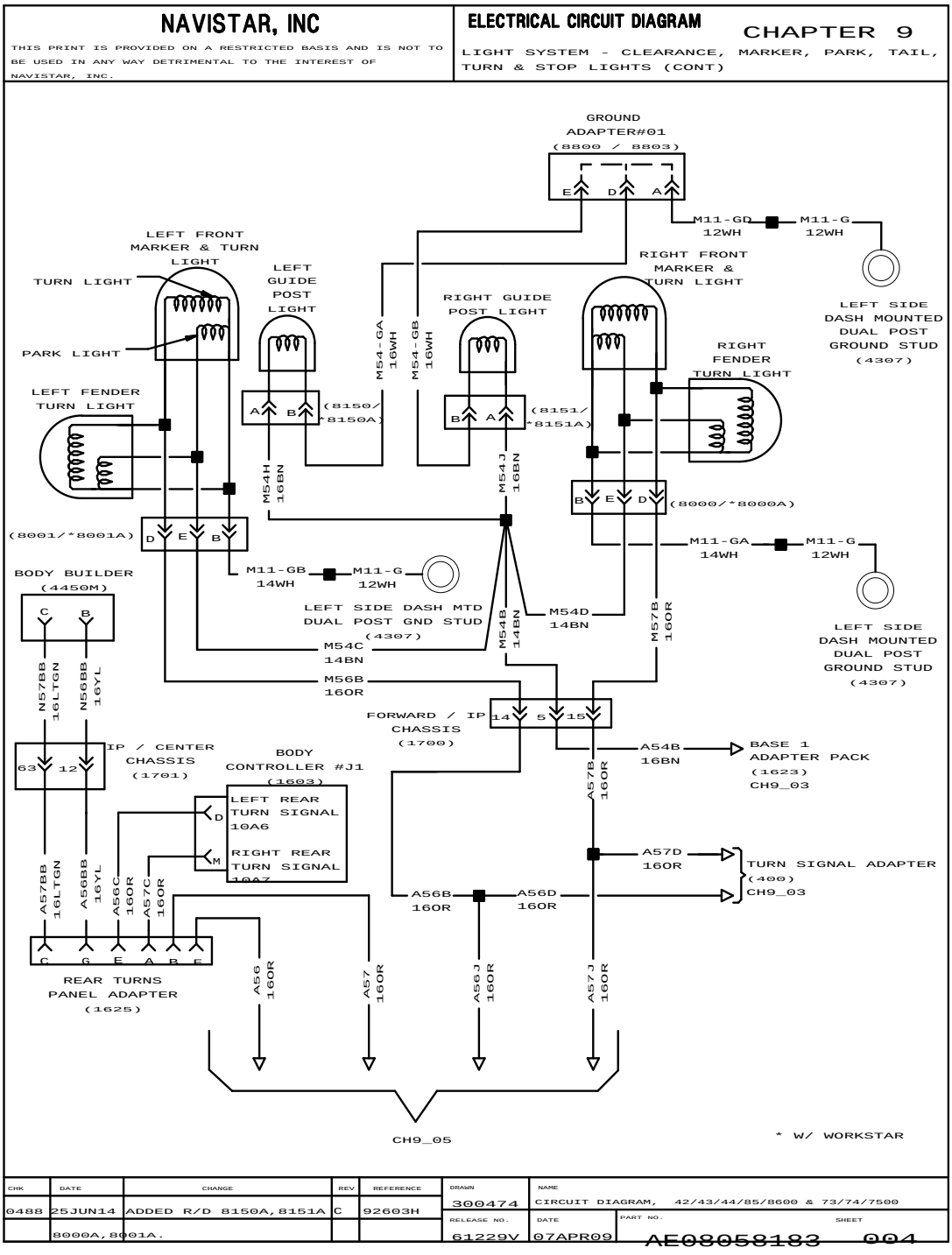

Figure 289 Light Systems – Clearance, Marker, Park, Tail, Turn and Stop Lights (Cont.)

https://truckmanualshub.com/

9.6. LIGHT SYSTEMS – CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LIGHTS (CONT.), P. 5

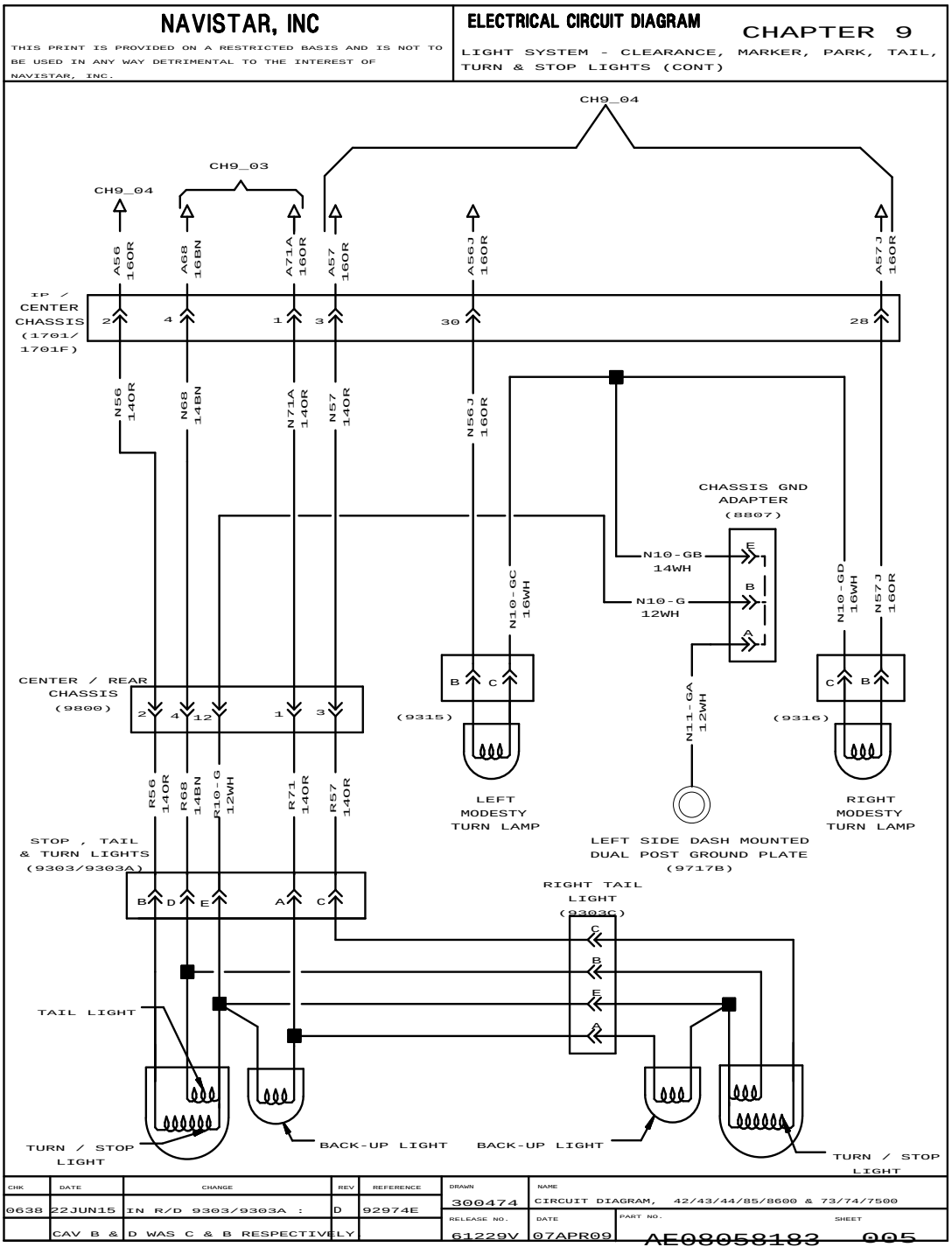

Figure 290 Light Systems – Clearance, Marker, Park, Tail, Turn and Stop Lights (Cont.)

https://truckmanualshub.com/

9.7. LIGHT SYSTEMS – CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LIGHTS (CONT.), P. 6

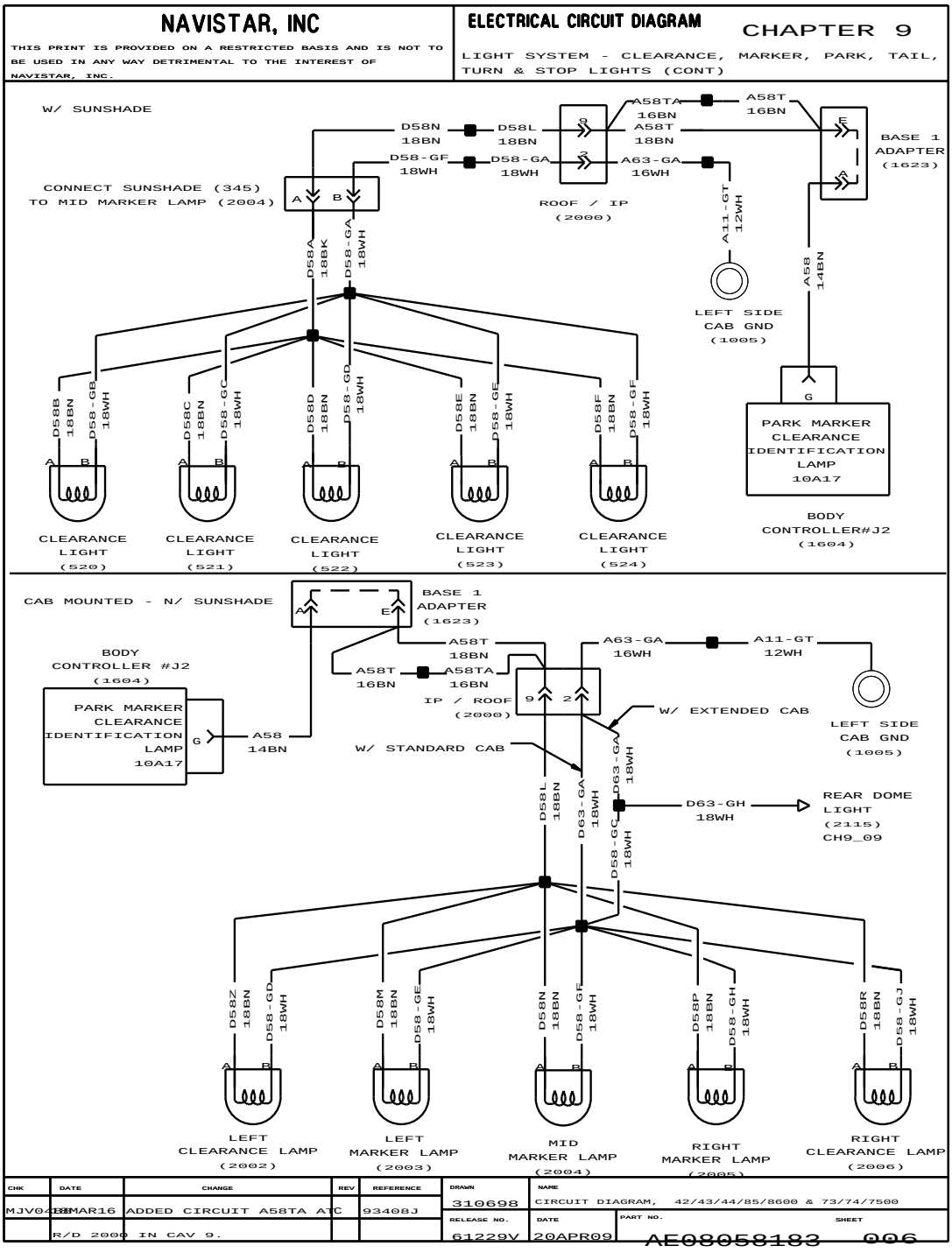

Figure 291 Light Systems – Clearance, Marker, Park, Tail, Turn and Stop Lights (Cont.)

https://truckmanualshub.com/

9.8. LIGHT SYSTEMS – TURN SIGNAL AND STOP SWITCHES, P. 7

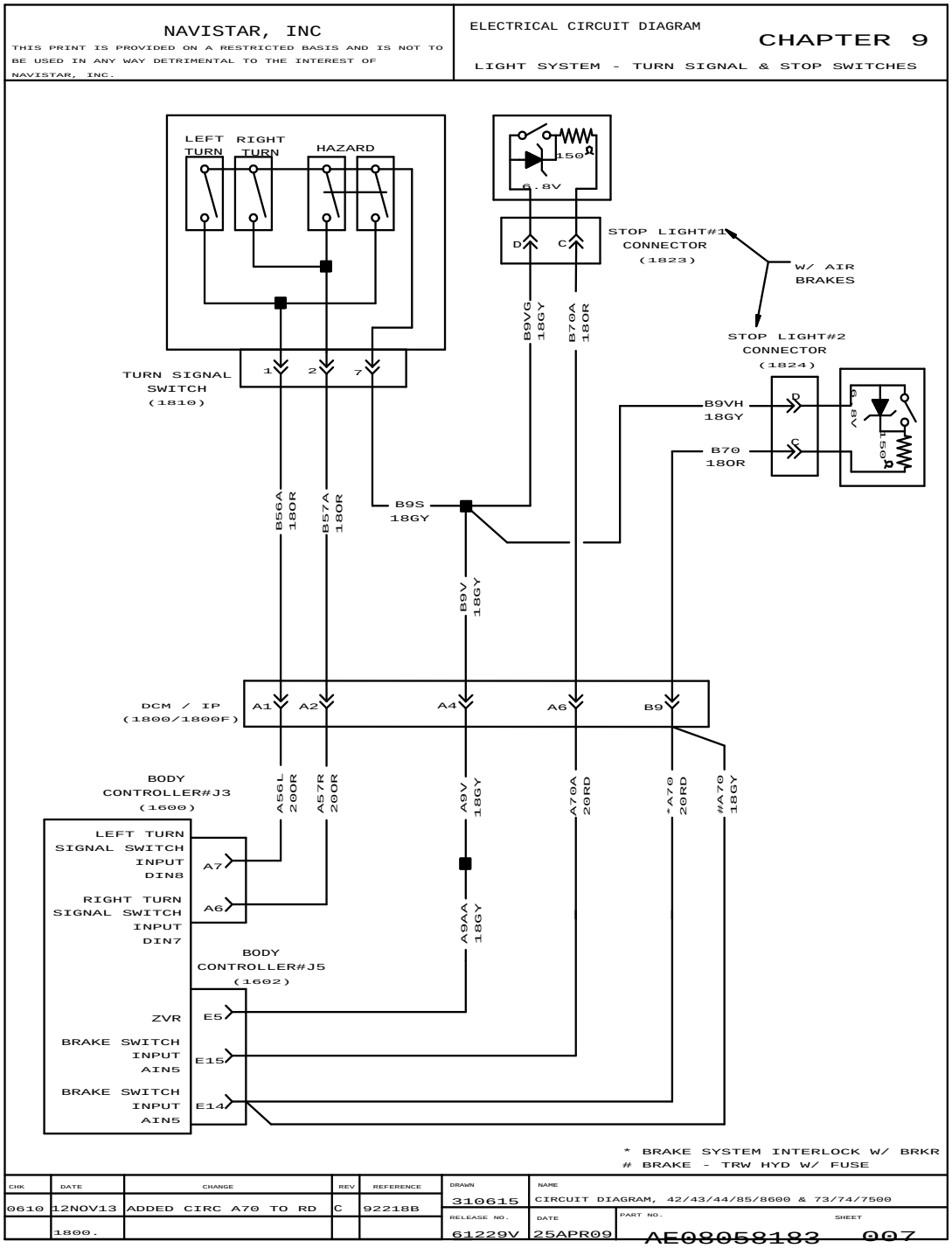

Figure 292 Light Systems – Turn Signal and Stop Switches

https://truckmanualshub.com/

9.9. DOME LIGHT, MAP LIGHT, P. 8

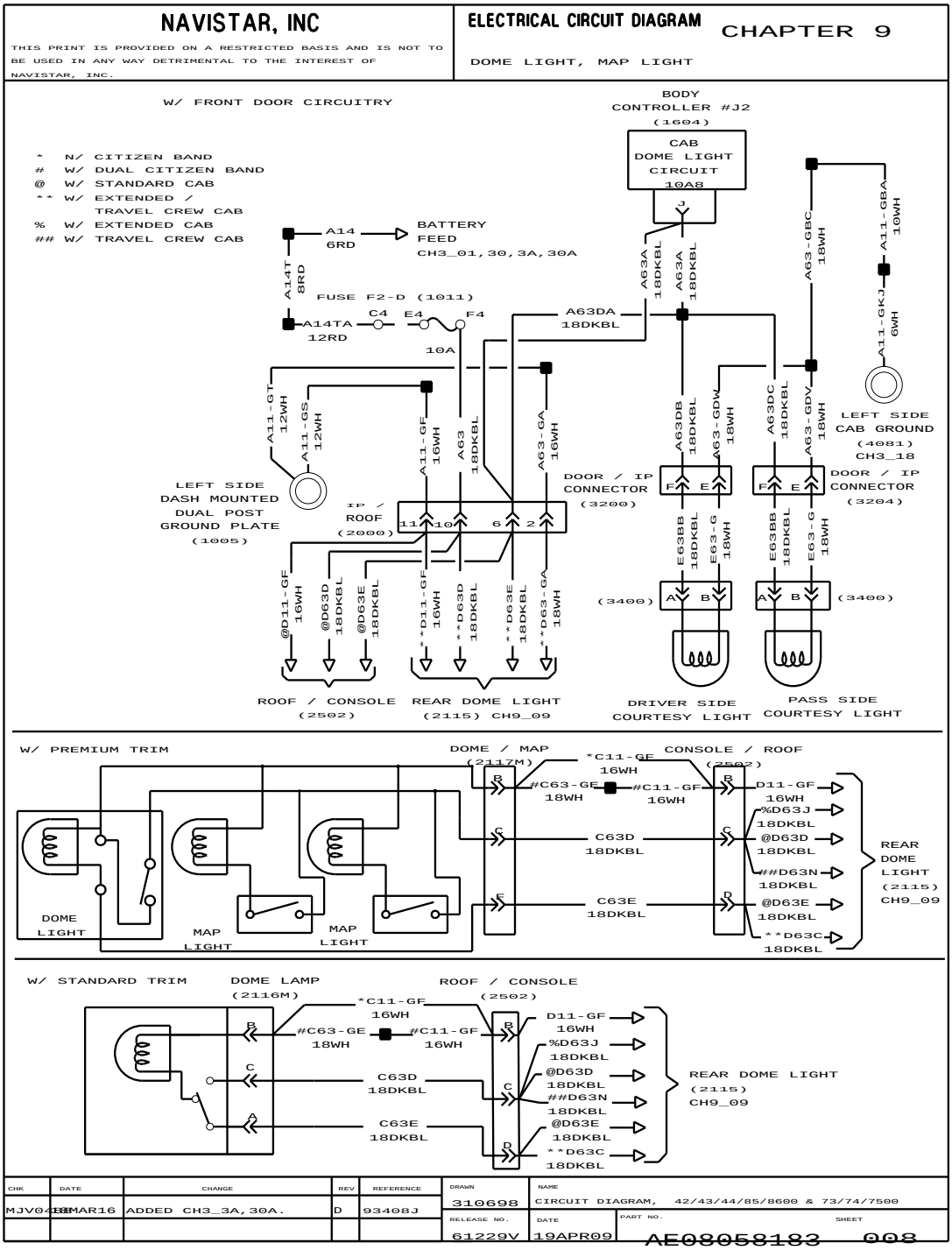

Figure 293 Dome Light, Map Light

https://truckmanualshub.com/

9.10. DOME LIGHT, MAP LIGHT (CONT.), P. 9

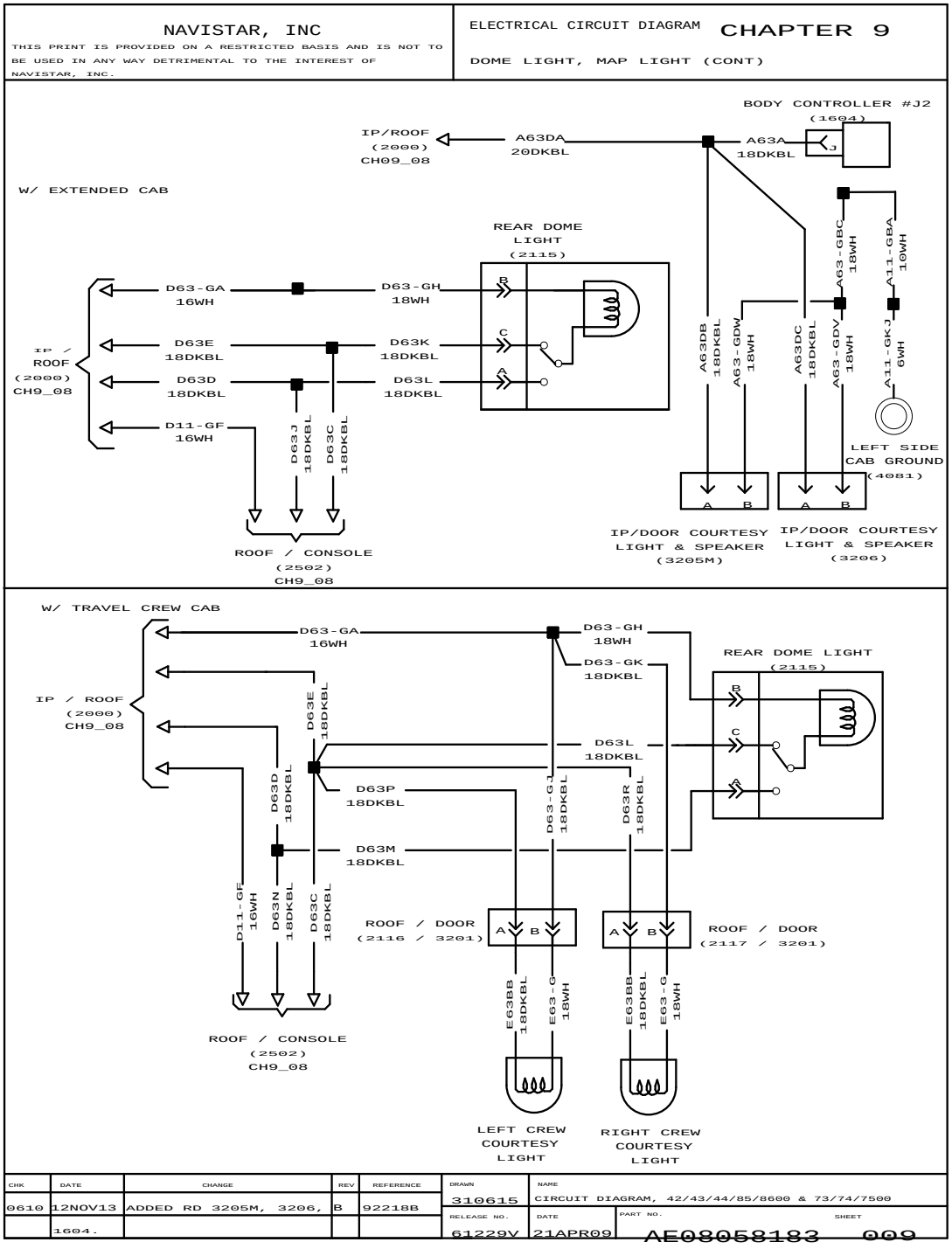

Figure 294 Dome Light, Map Light (Cont.)

https://truckmanualshub.com/

9.11. DOME LIGHT, MAP LIGHT (CONT.), P. 10

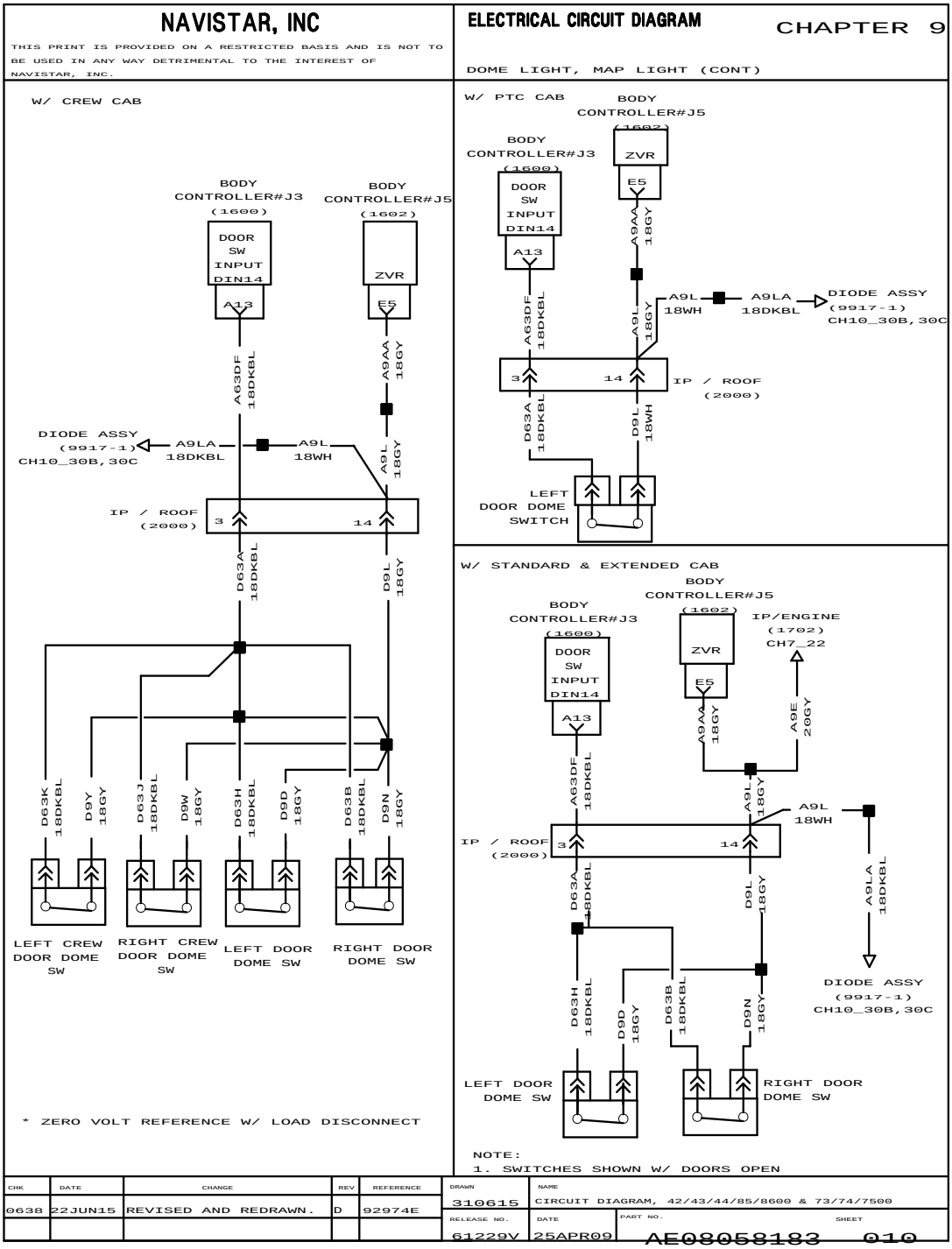

Figure 295 Dome Light, Map Light (Cont.)

https://truckmanualshub.com/

9.12. LIGHT SYSTEM, FOG LIGHT, P. 11

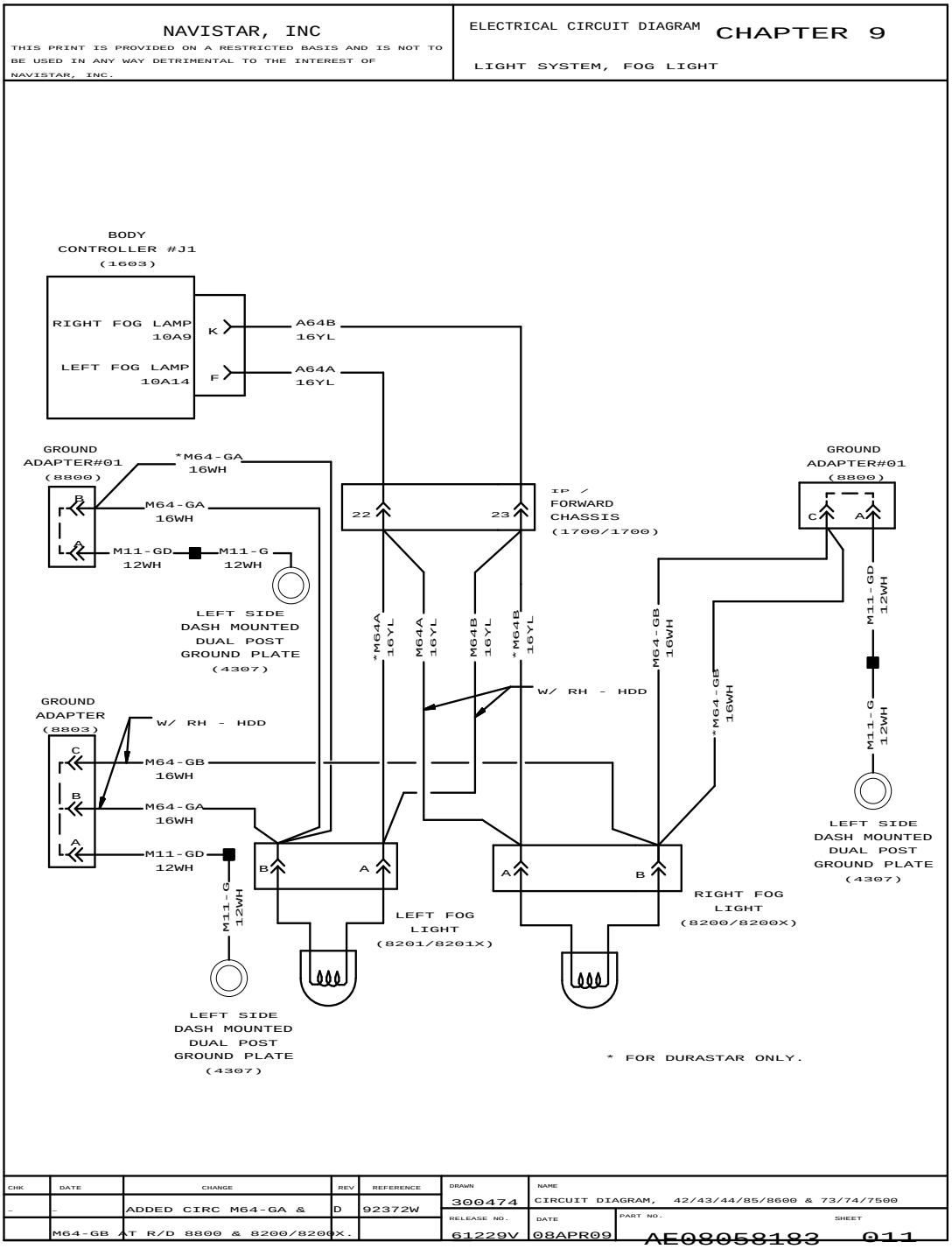

Figure 296 Light System, Fog Light

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9.13. HEADLIGHTS, P. 12

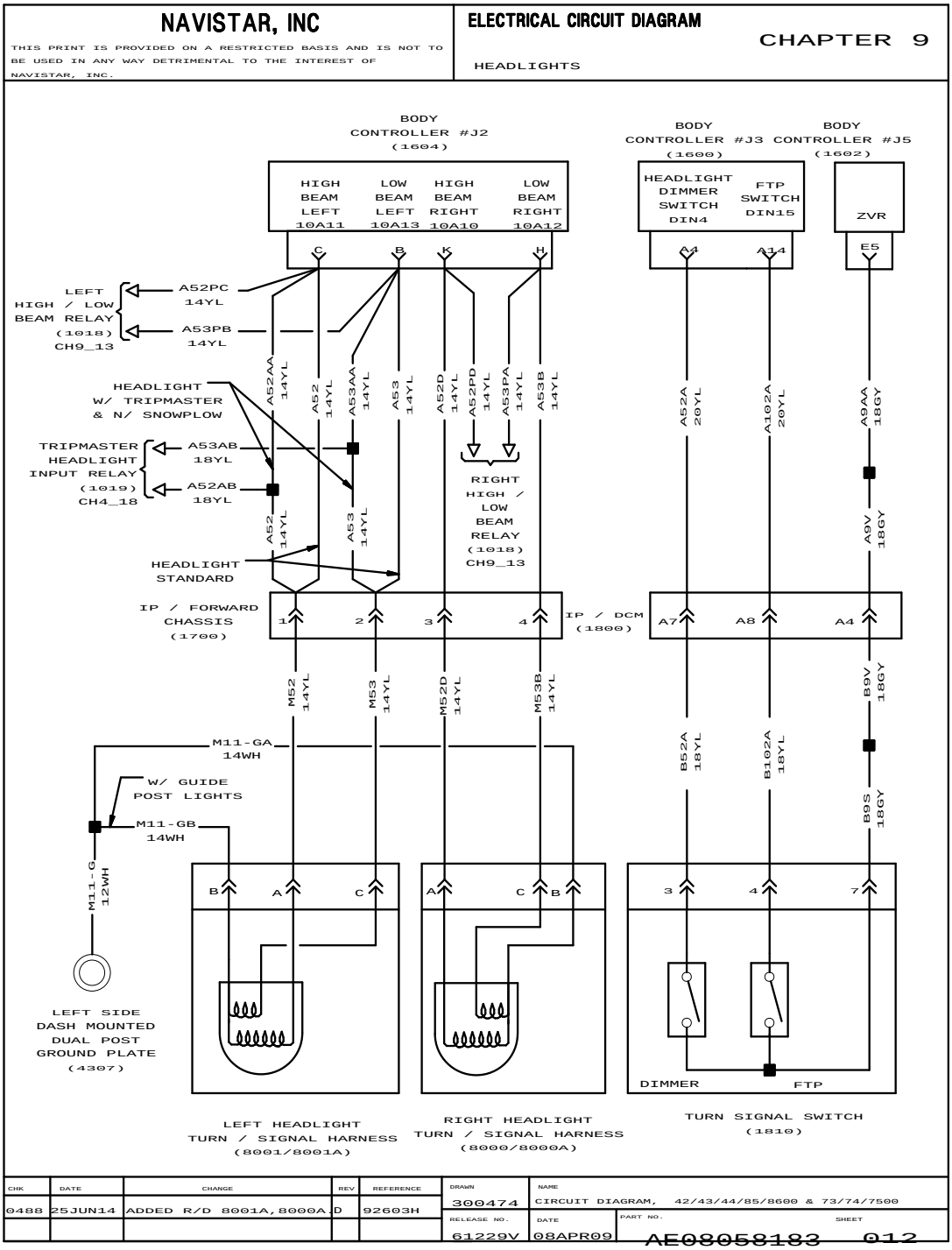

Figure 297 Headlights

https://truckmanualshub.com/

9.14. AUXILIARY HEADLIGHTS, SNOW PLOW LIGHTS, P. 13

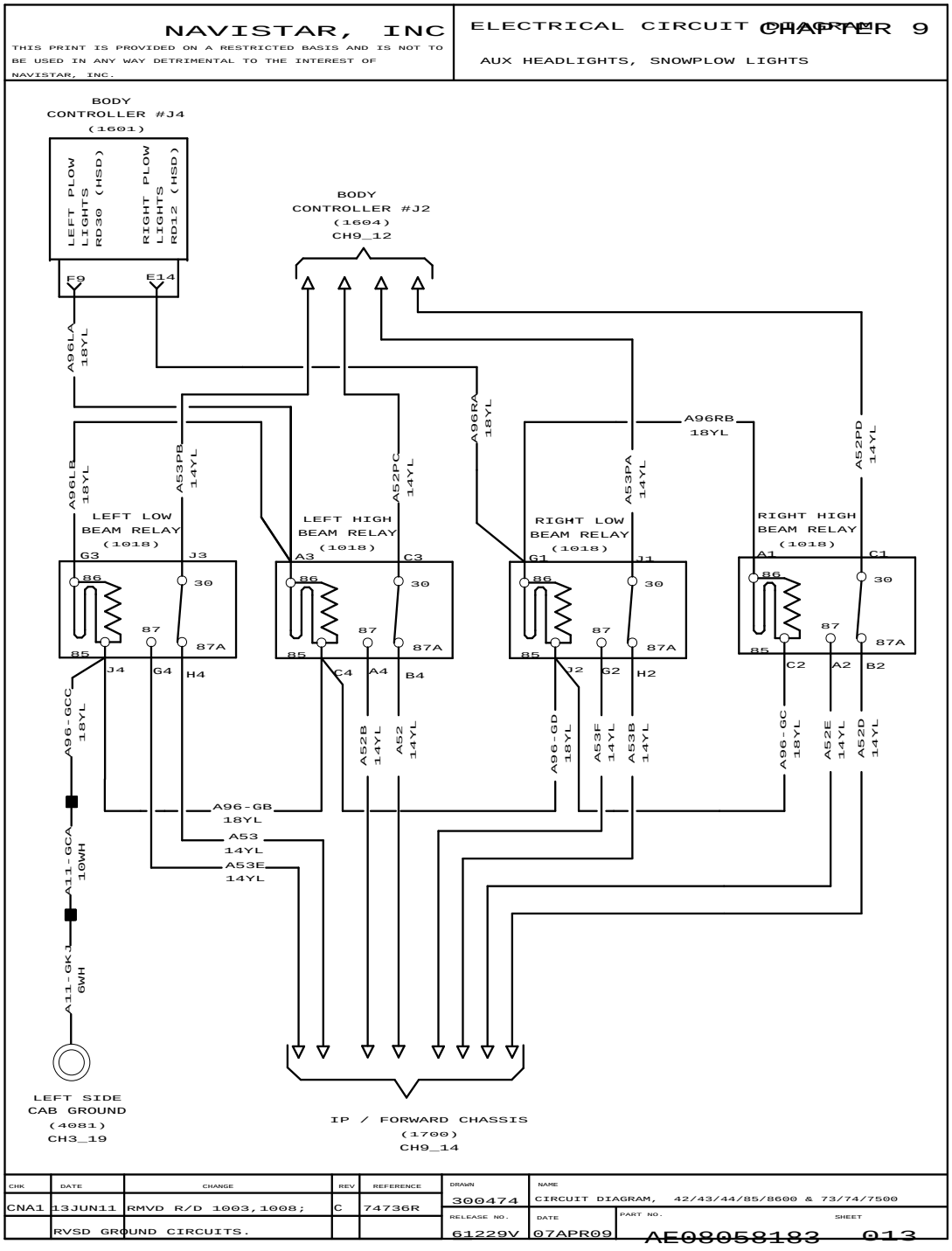

Figure 298 Auxiliary Headlights, Snow Plow Lights

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9.15. AUXILIARY HEADLIGHTS, SNOW PLOW LIGHTS (CONT.), P. 14

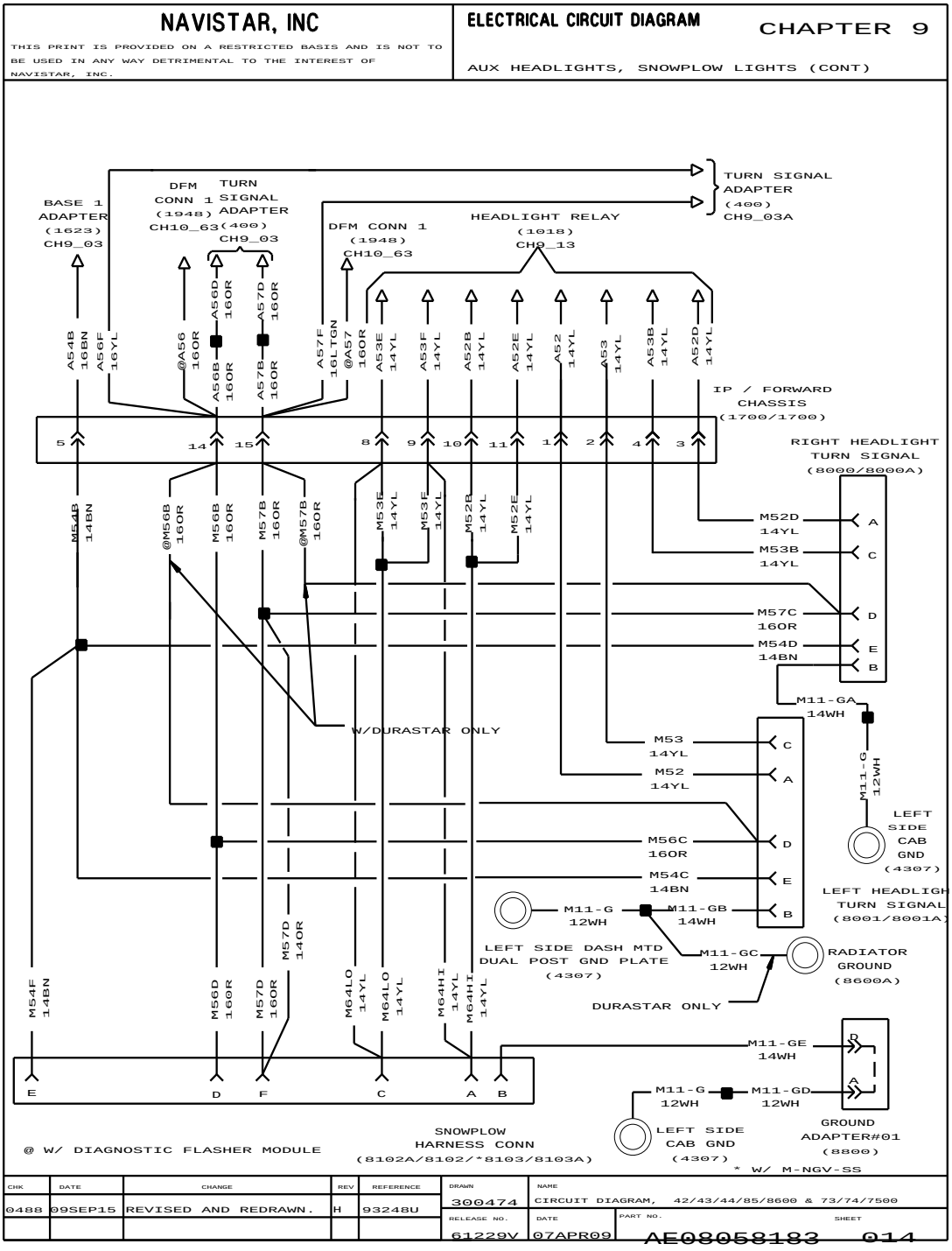

Figure 299 Auxiliary Headlights, Snow Plow Lights (Cont.)

https://truckmanualshub.com/

9.16. AUXILIARY HEADLIGHTS, SNOW PLOW LIGHTS (CONT.), P. 14A

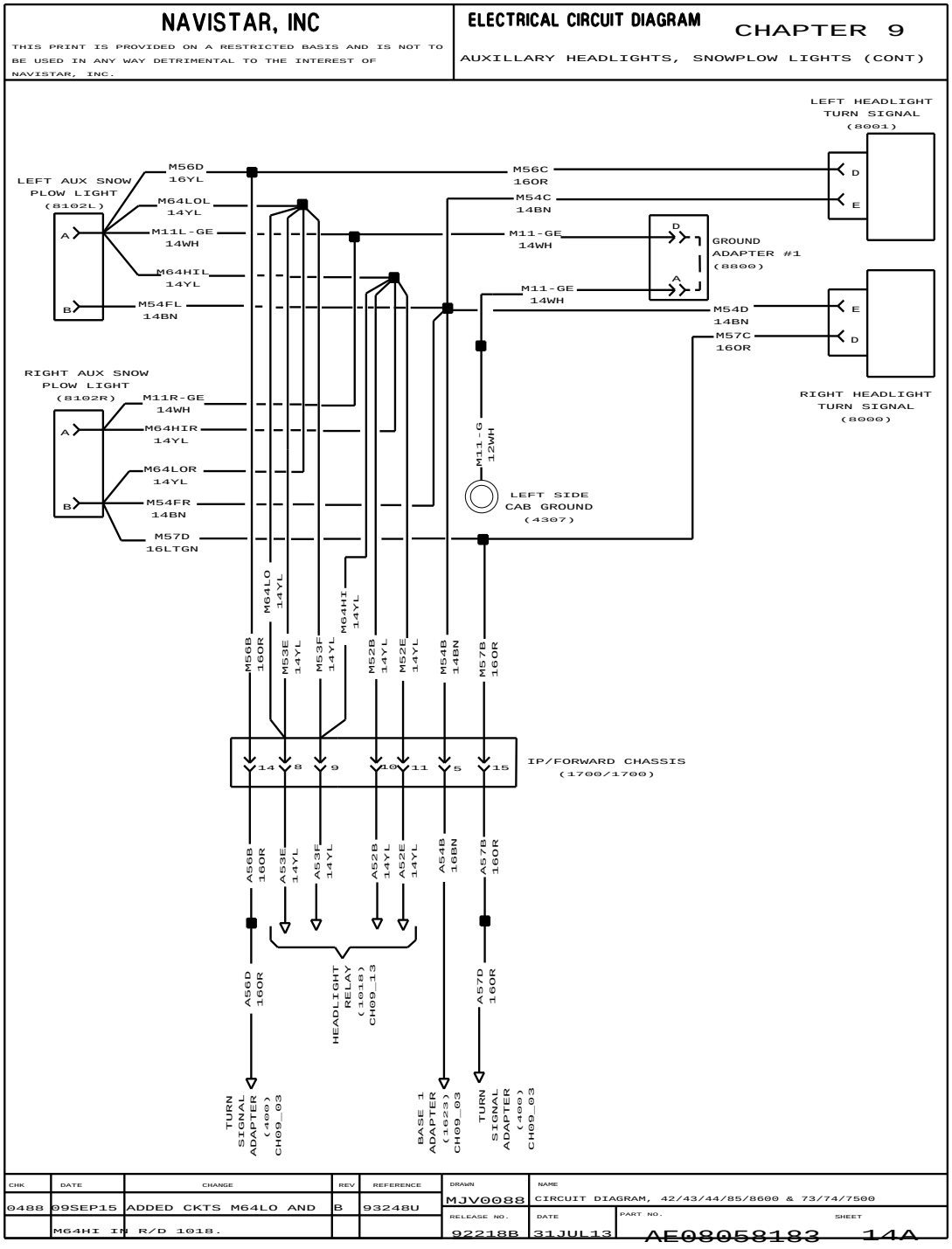

Figure 300 Auxiliary Headlights, Snow Plow Lights (Cont.)

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9.17. PANEL LIGHTS, P. 15

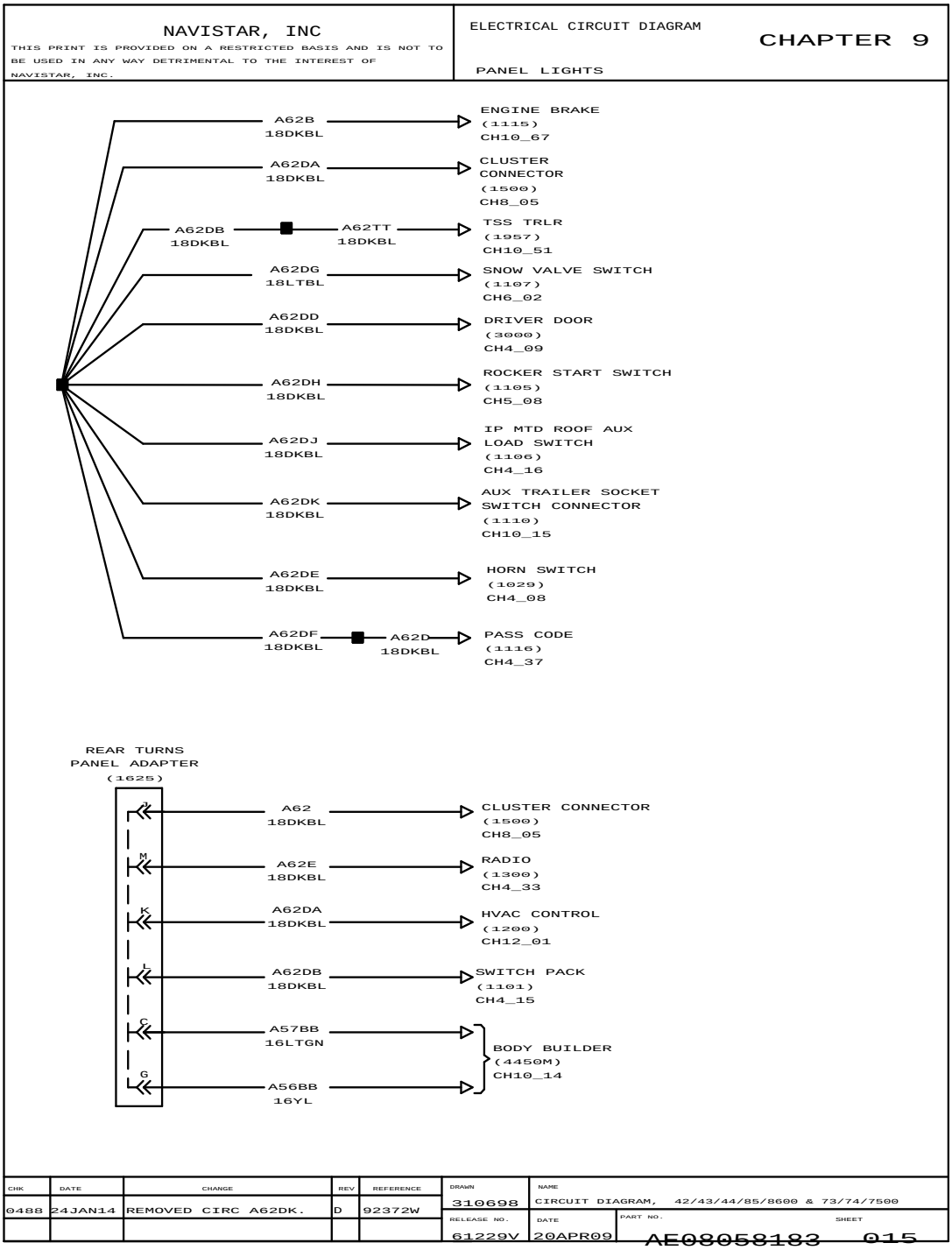

Figure 301 Panel Lights

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9.18. PANEL LIGHTS (CONT.), P. 15A

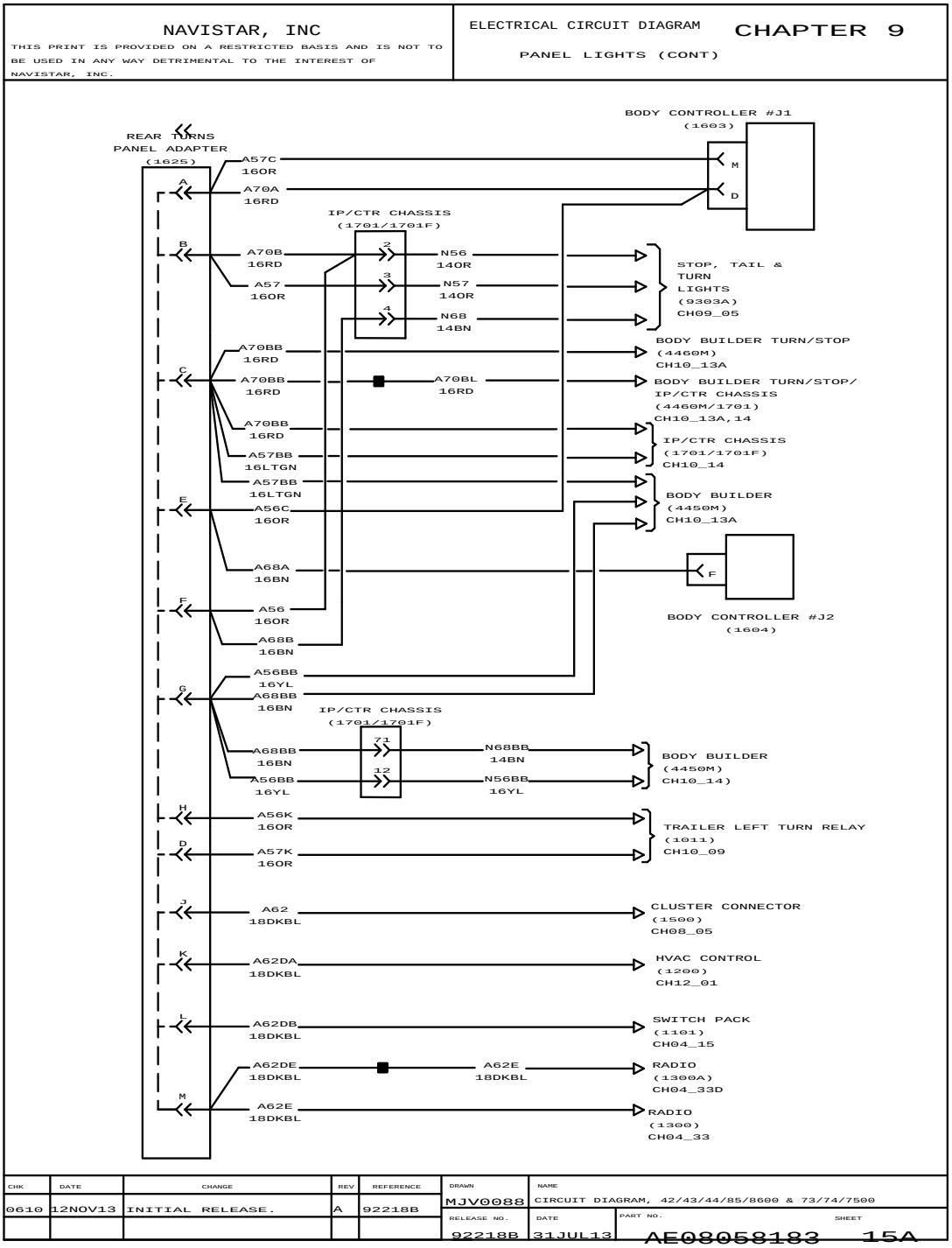

Figure 302 Panel Lights (Cont.)

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9.19. LIGHT SYSTEM, WORK LIGHT, P. 16

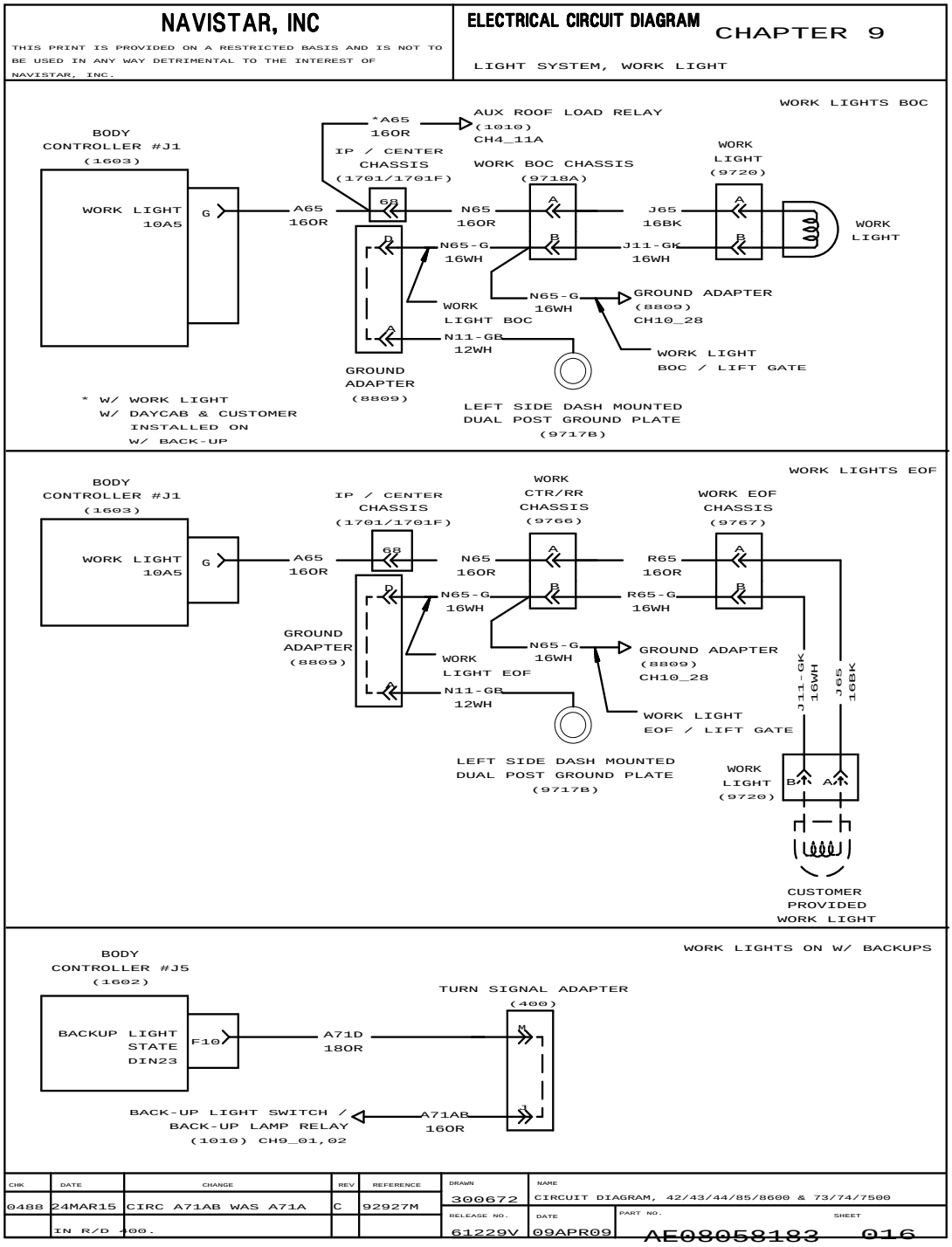

Figure 303 Light System, Work Light

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9.20. LIGHT SYSTEM, WORK LIGHT (CONT.), P. 16A

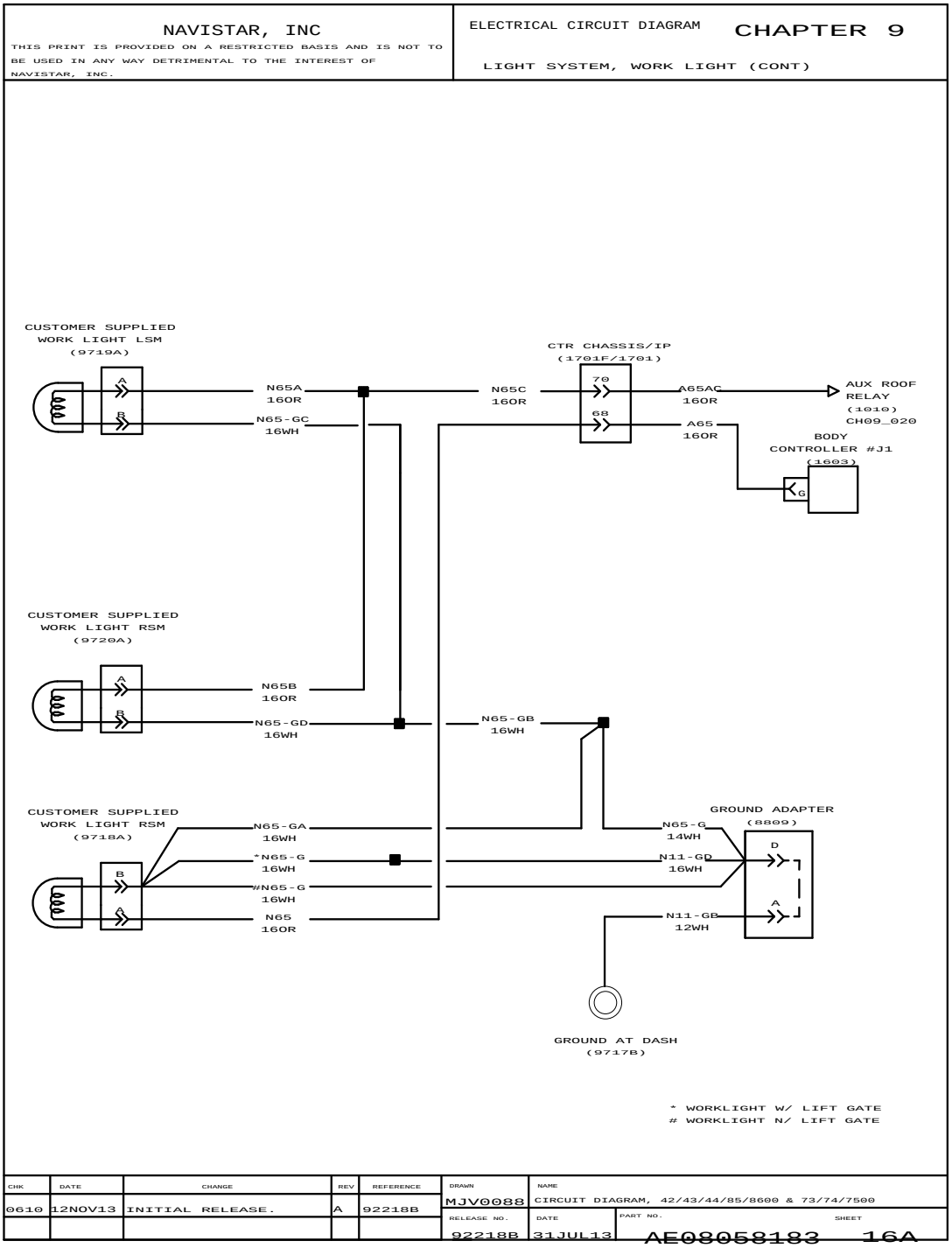

Figure 304 Light System, Work Light (Cont.)

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9.21. CUSTOMER SUPPLIED WORK LIGHT WIRING, P. 17

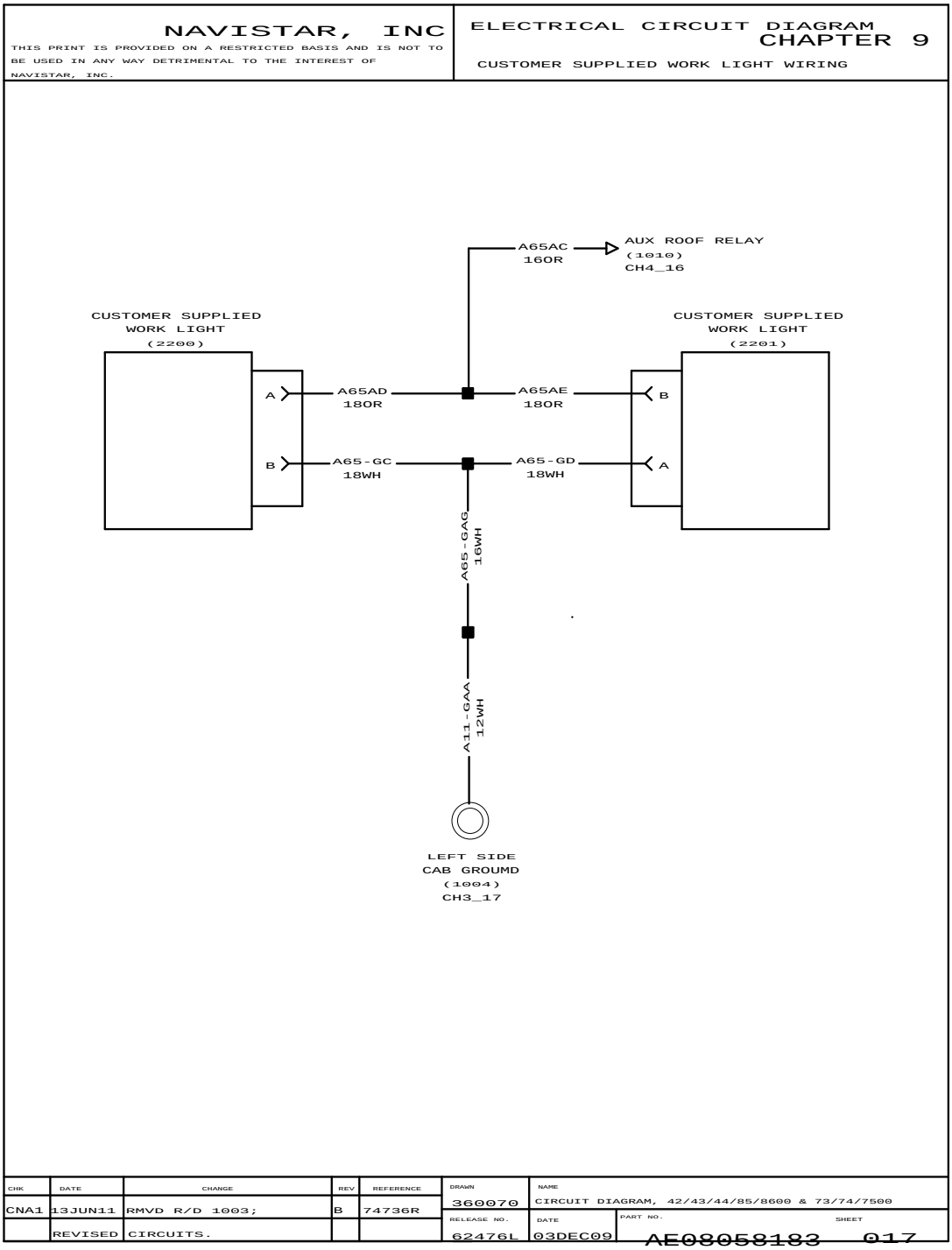

Figure 305 Customer Supplied Work Light Wiring

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9.22. LIGHT SYSTEM, WORK LIGHT CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LIGHTS, P. 18

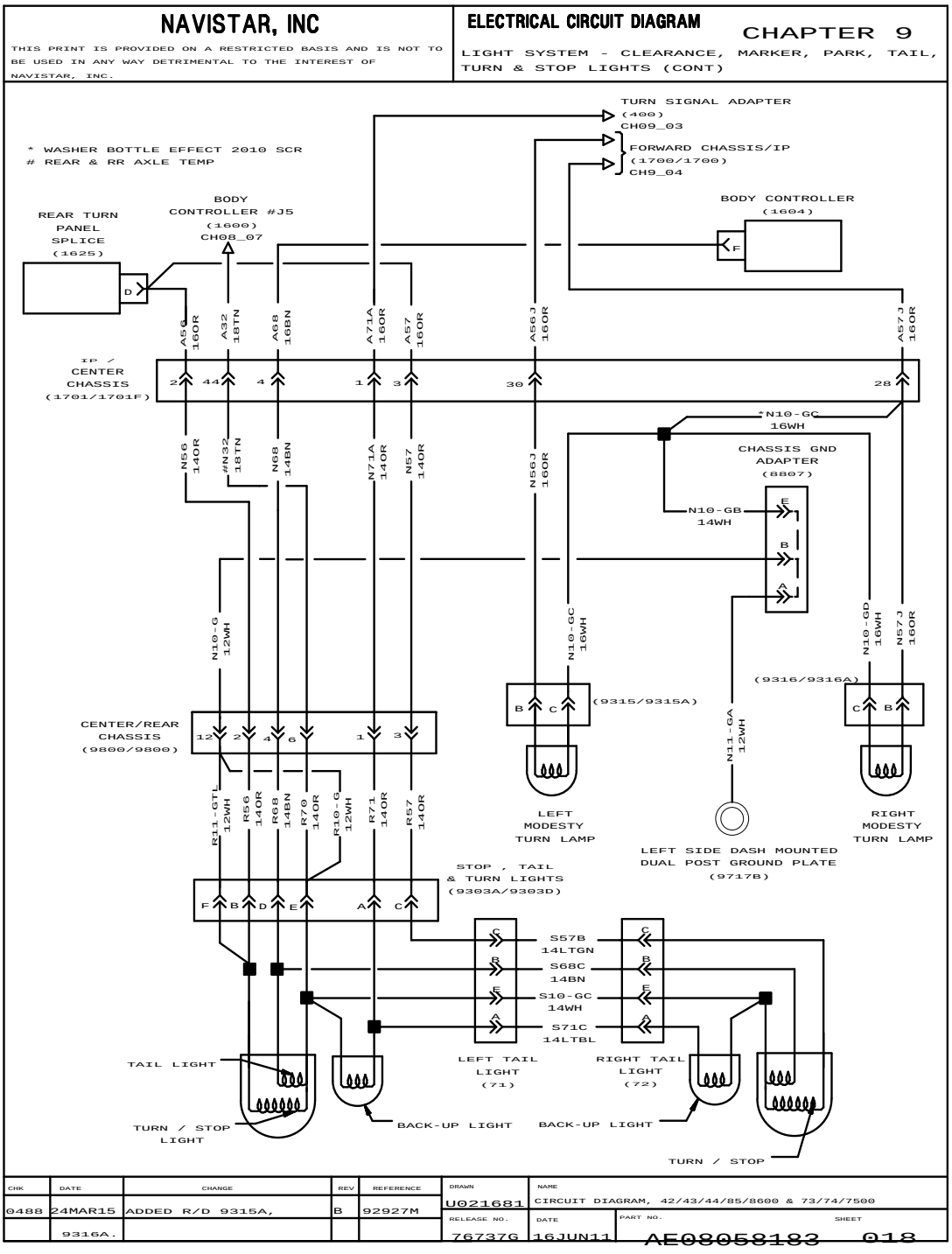

Figure 306 Light System, Work Light Clearance, Marker, Park, Tail, Turn and Stop Lights

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9.23. LIGHT SYSTEM – CLEARANCE, MARKER, PARK TAIL, TURN AND STOP LIGHTS (CONT.), P. 19

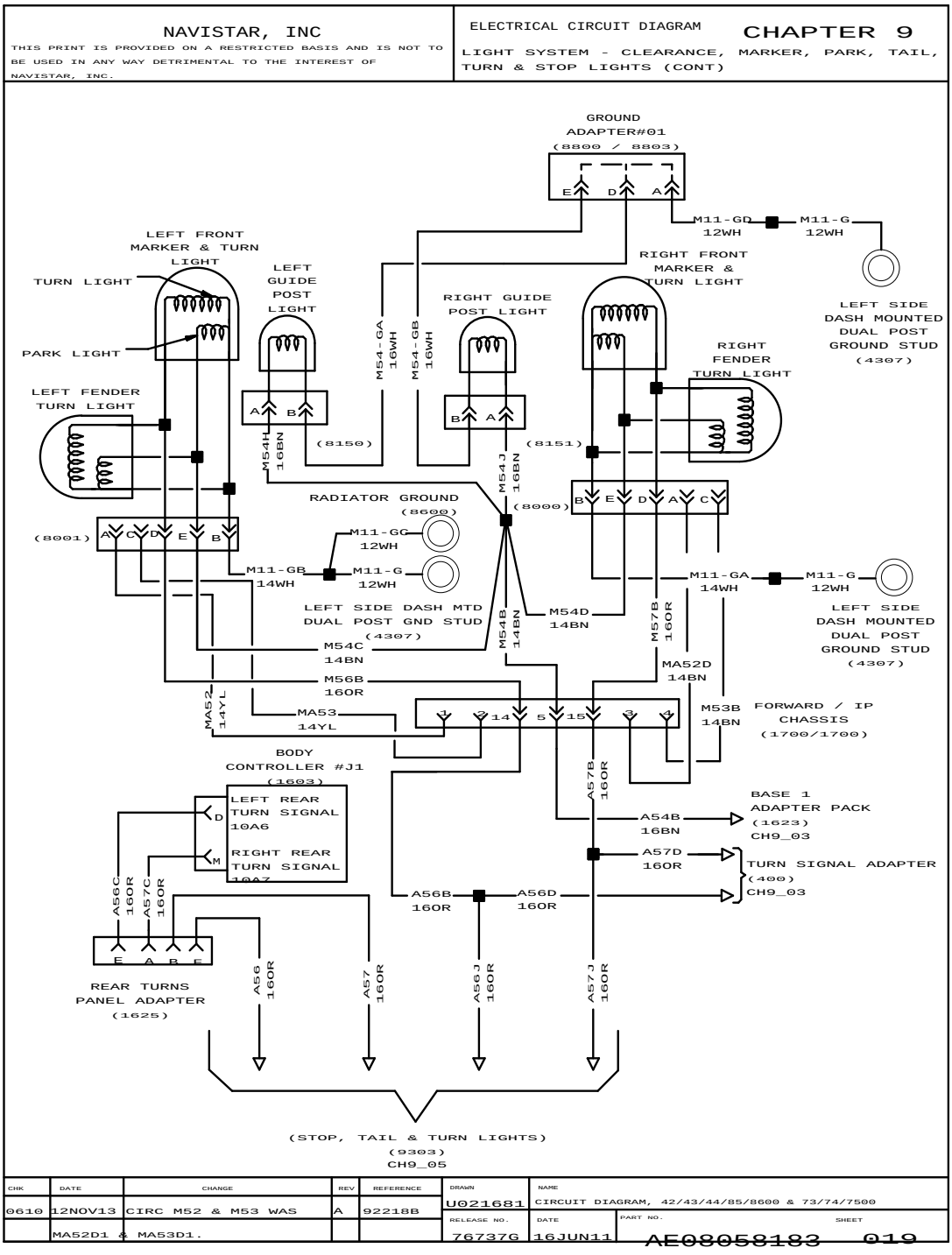

Figure 307 Light System – Clearance, Marker, Park Tail, Turn and Stop Lights (Cont.)

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9.24. CUSTOMER SUPPLIED LIGHTS, P. 20

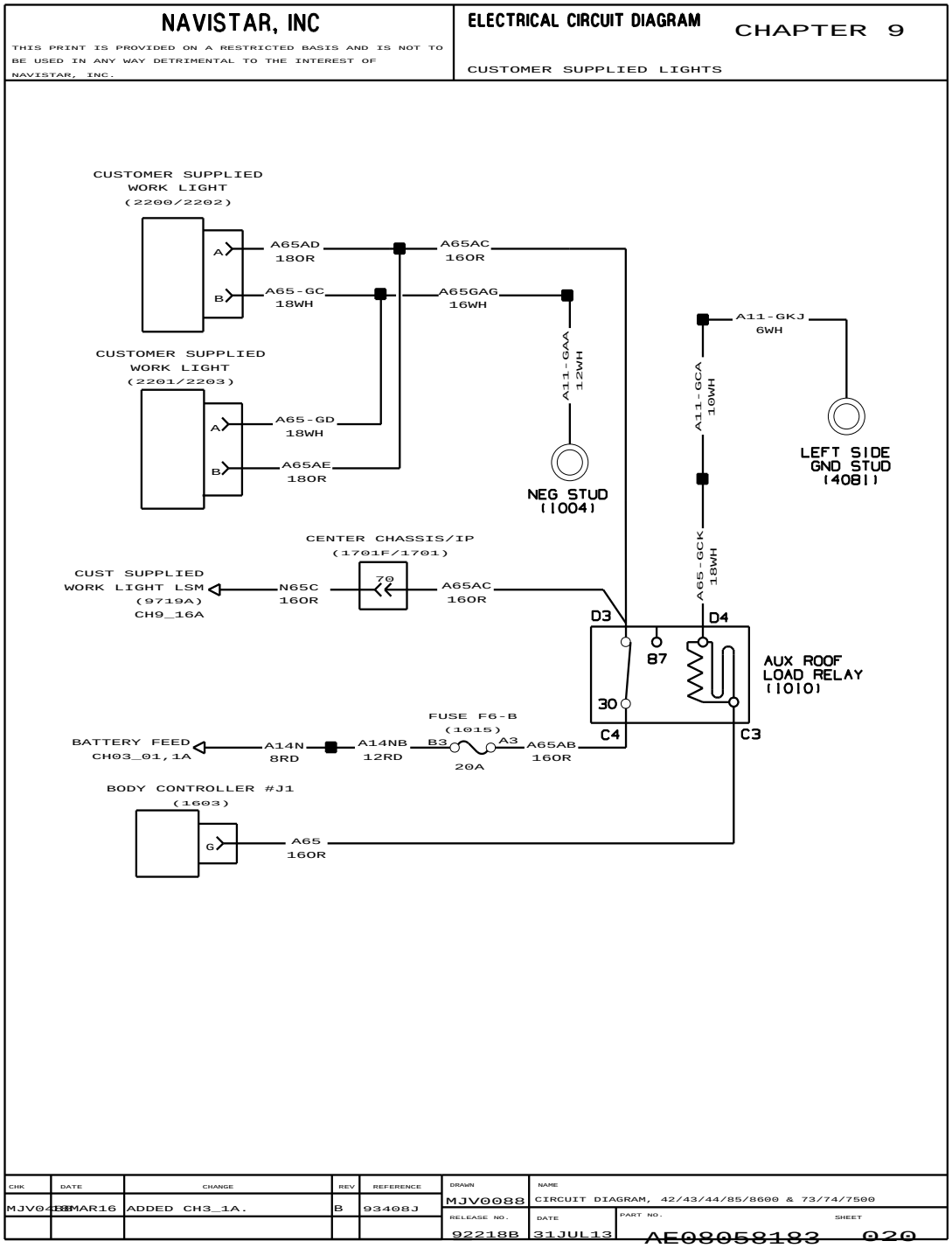

Figure 308 Customer Supplied Lights

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9.25. BACK UP LIGHT SWITCH WITH I6, I-367 ENGINE, P. 21

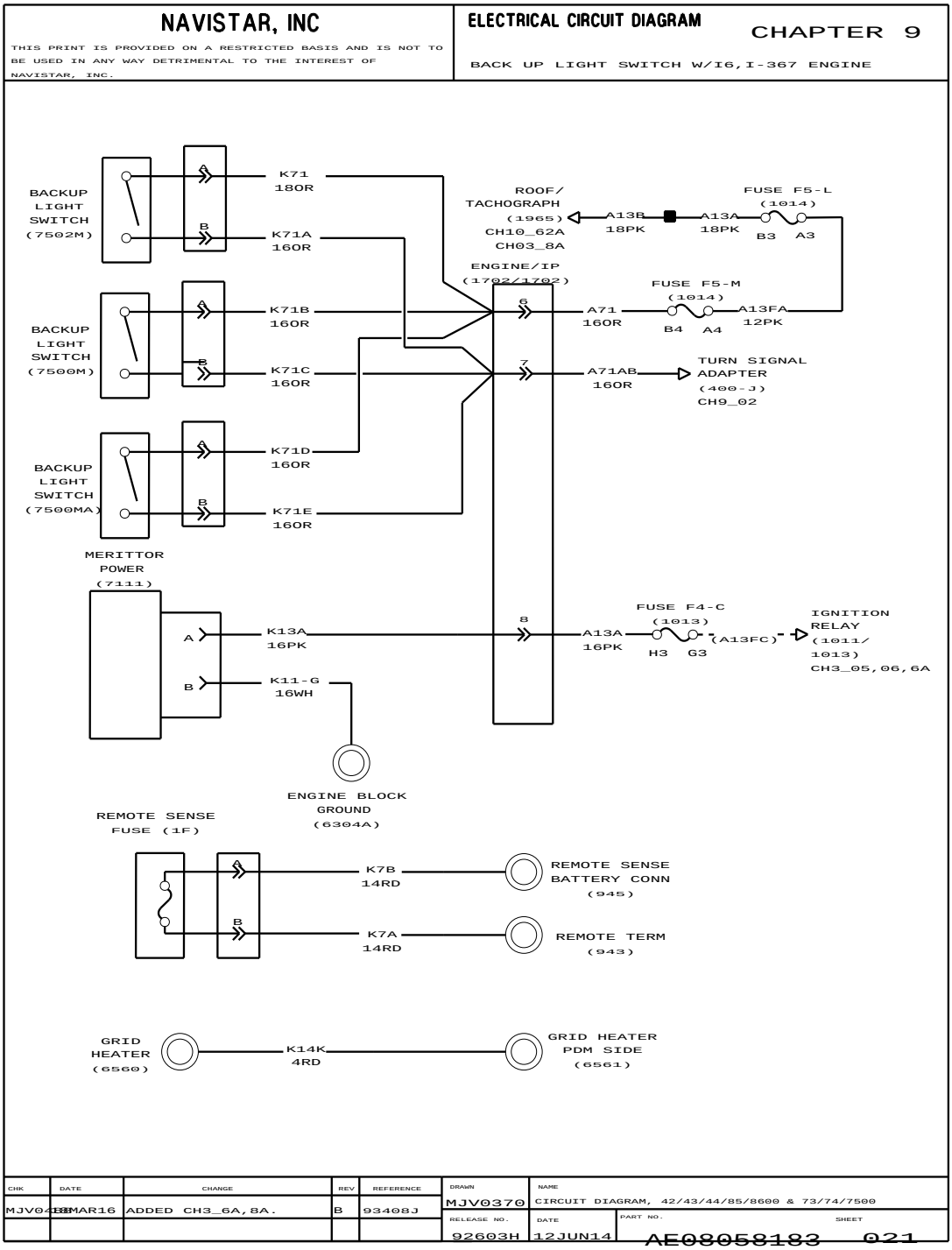

Figure 309 Back Up Light Switch with I6, I-367 Engine

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CHASSIS ACCESSORIES (CHAPTER 10)

10.1. ABS – BENDIX AIR, P. 1

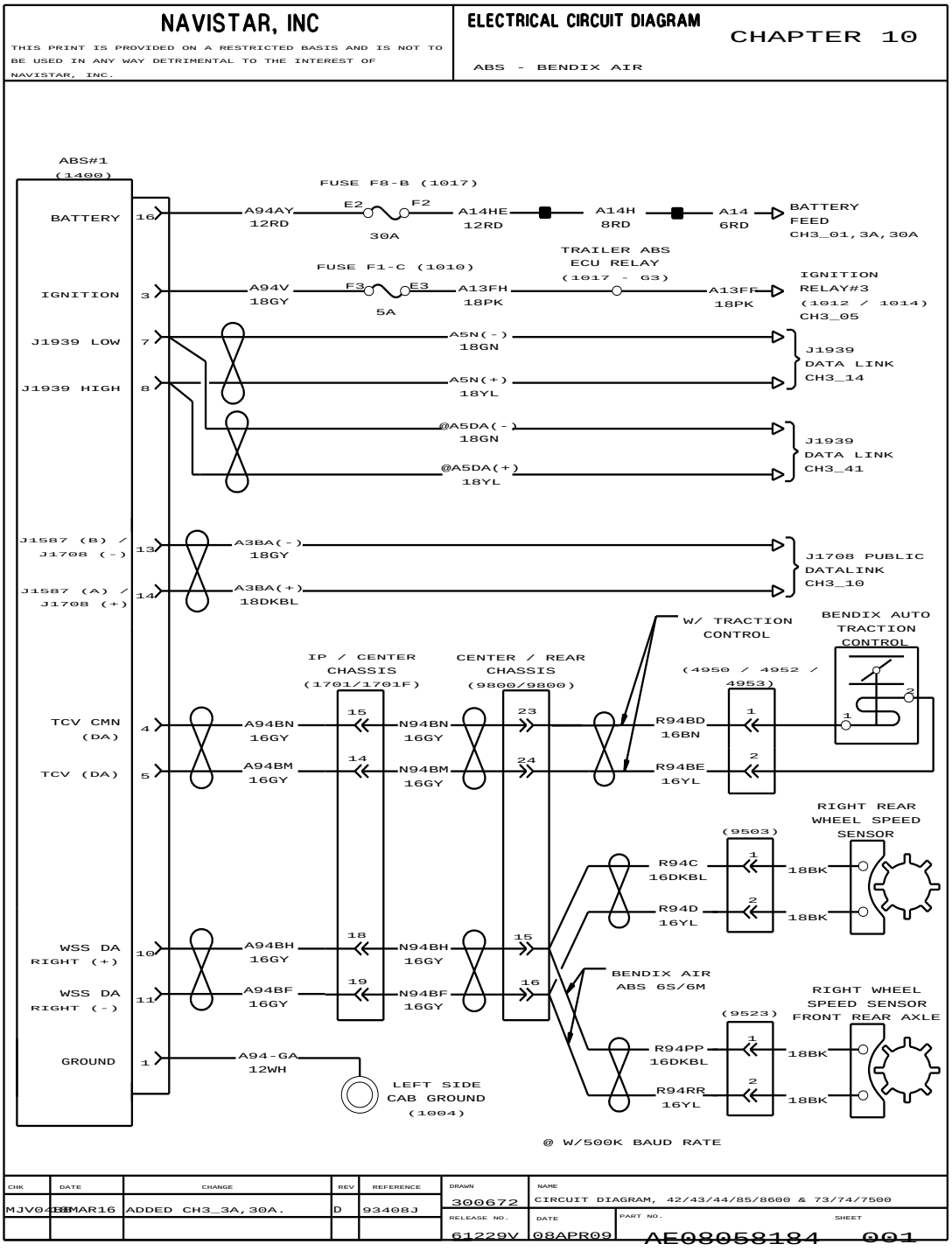

Figure 310 ABS – Bendix Air

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10.2. ABS – BENDIX AIR (CONT.), P. 2

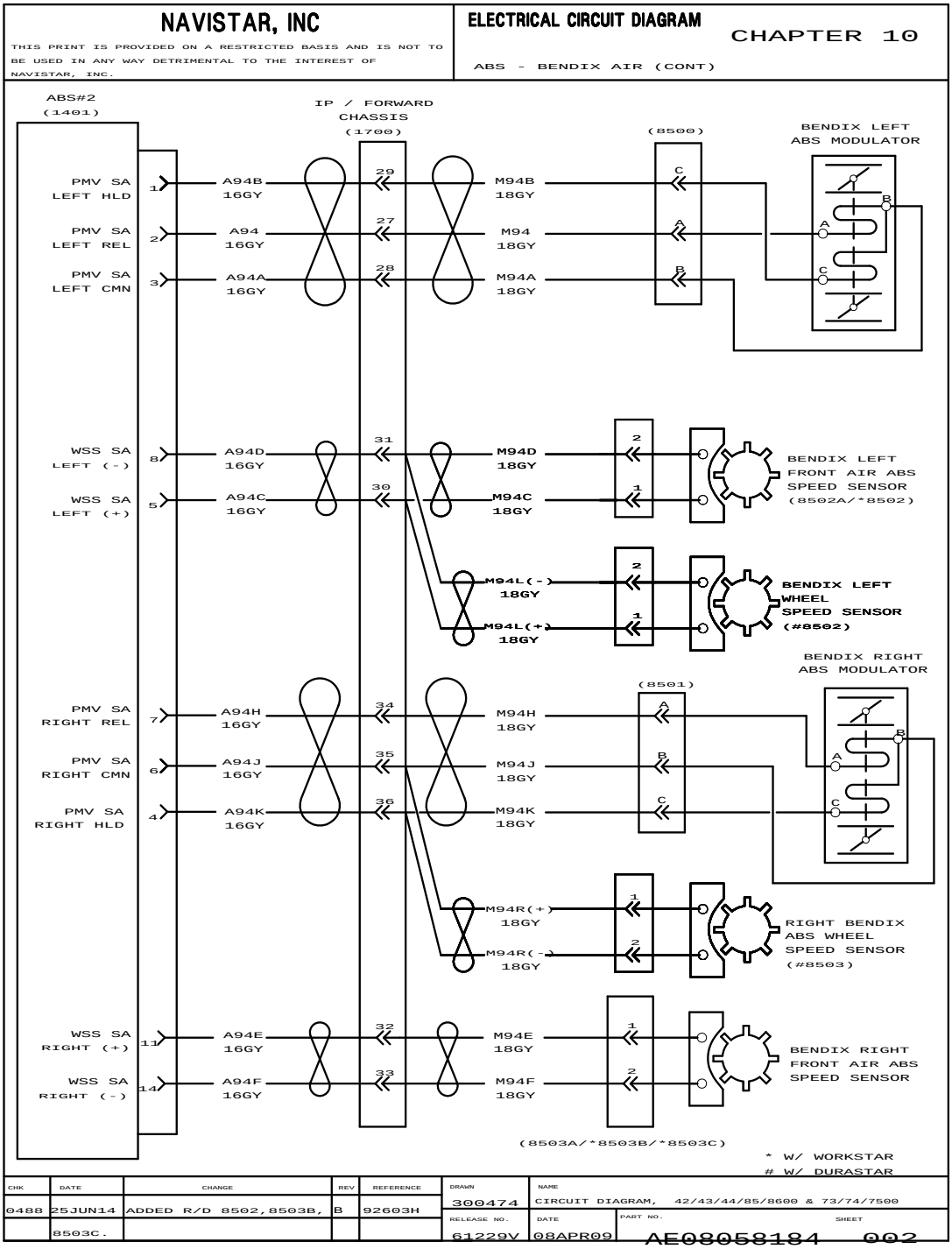

Figure 311 ABS – Bendix Air (Cont.)

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10.3. ABS – BENDIX AIR (CONT.), P. 3

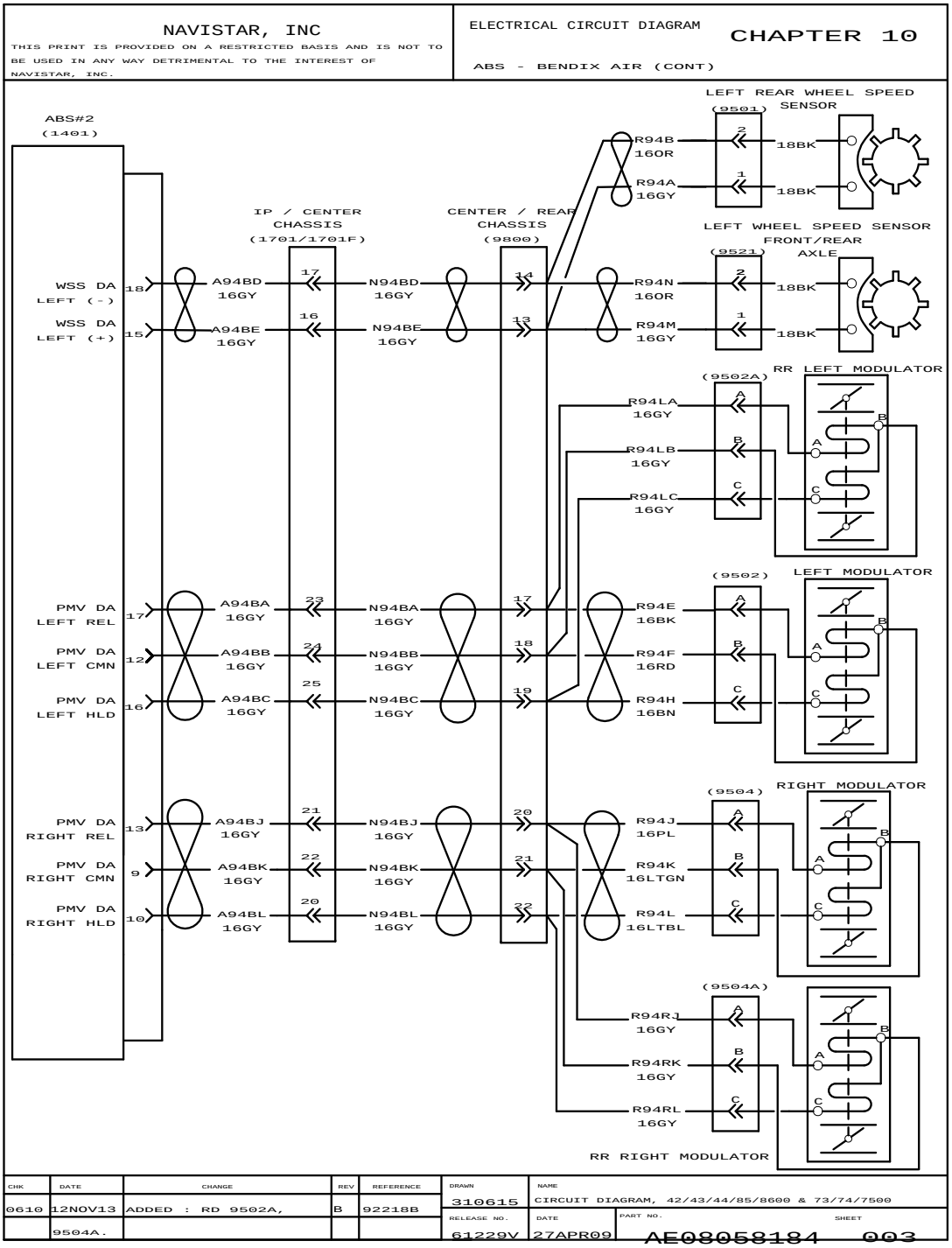

Figure 312 ABS – Bendix Air (Cont.)

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10.4. ABS – BENDIX AIR (CONT.), P. 3A

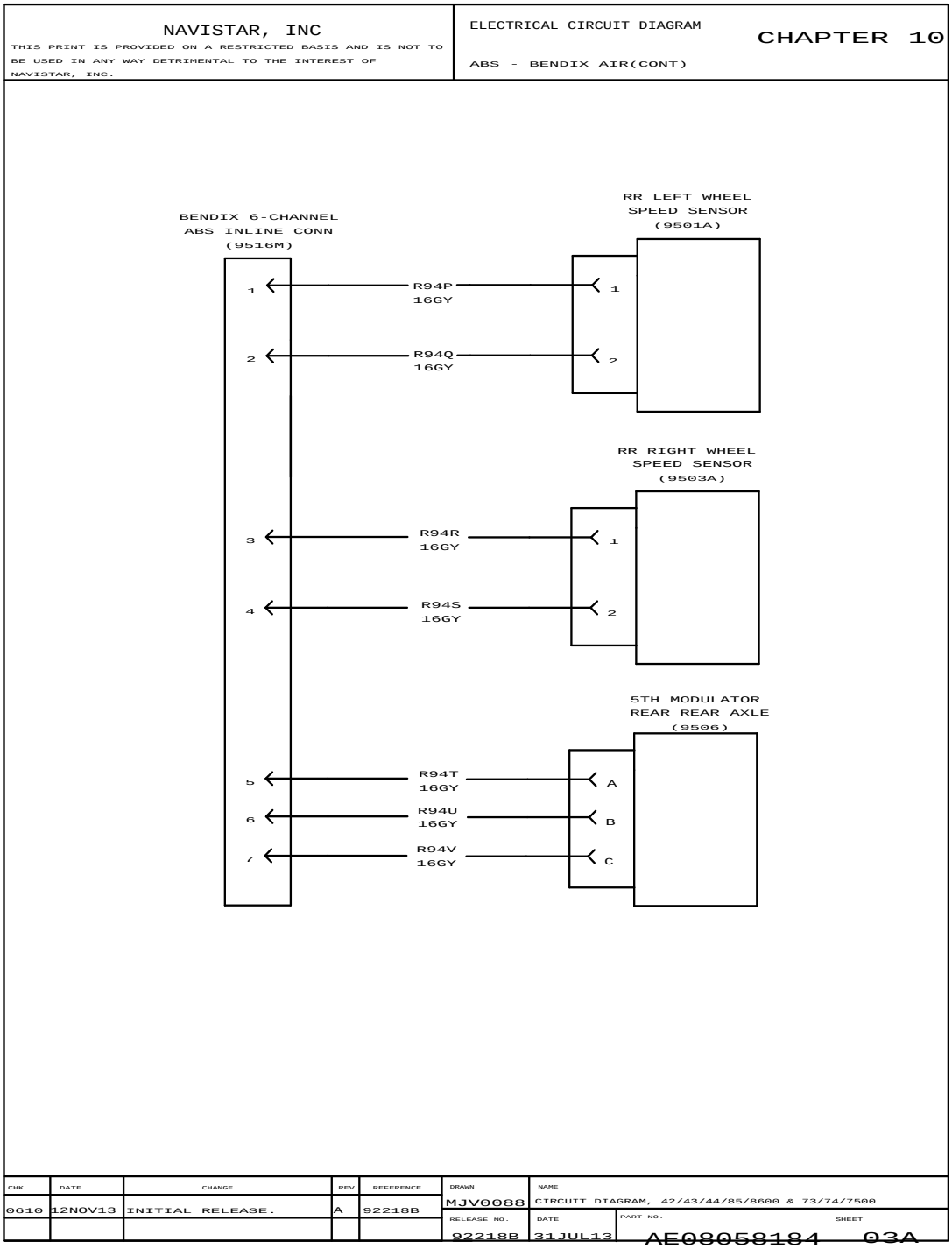

Figure 313 ABS – Bendix Air (Cont.)

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10.5. ABS – WABCO AIR, P. 4

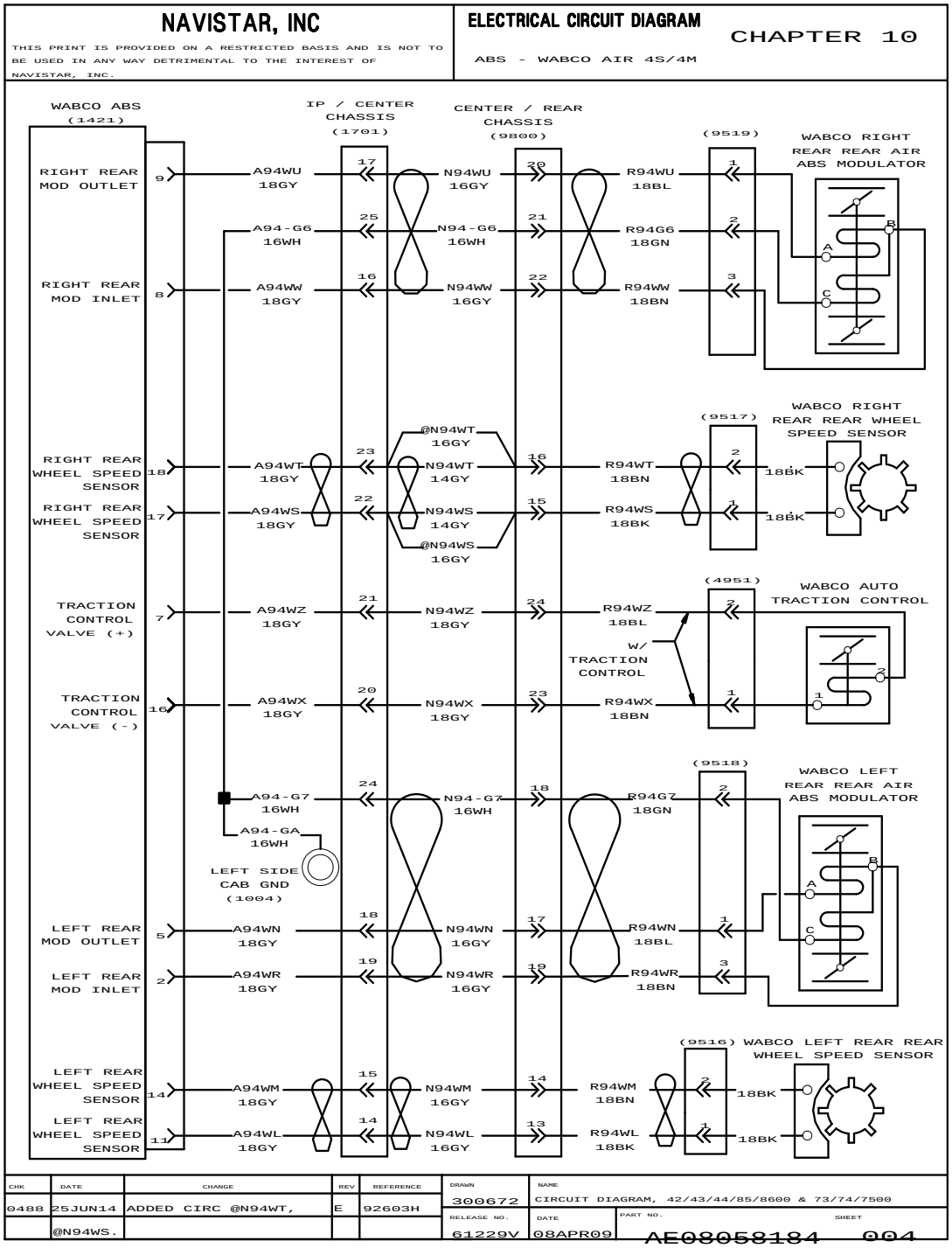

Figure 314 ABS – WABCO Air

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10.6. ABS – WABCO AIR (CONT.), P. 5

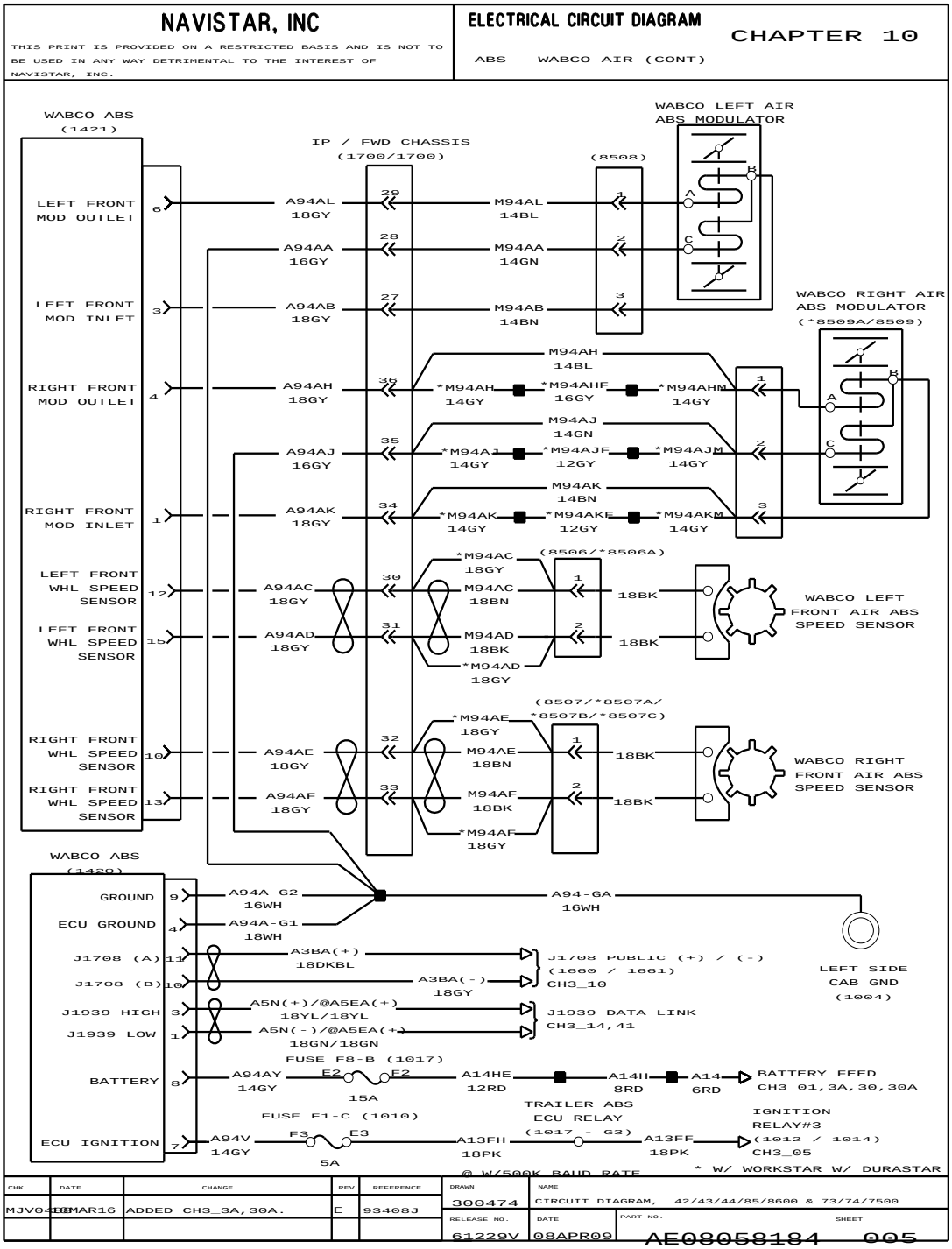

Figure 315 ABS – WABCO Air (Cont.)

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10.7. WABCO FULL POWER BRAKES, P. 6

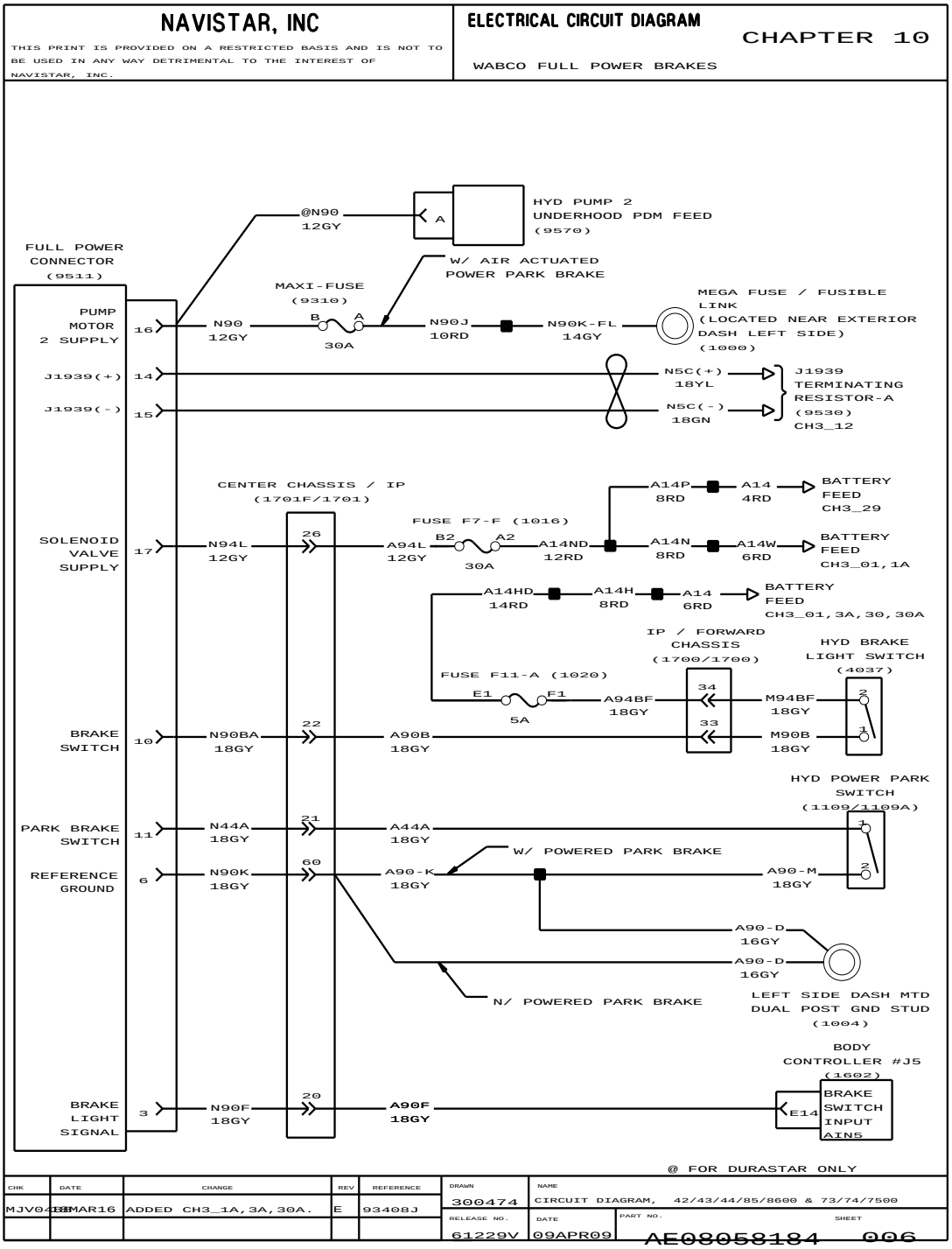

Figure 316 WABCO Full Power Brakes

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10.8. WABCO FULL POWER BRAKES (CONT.), P. 7

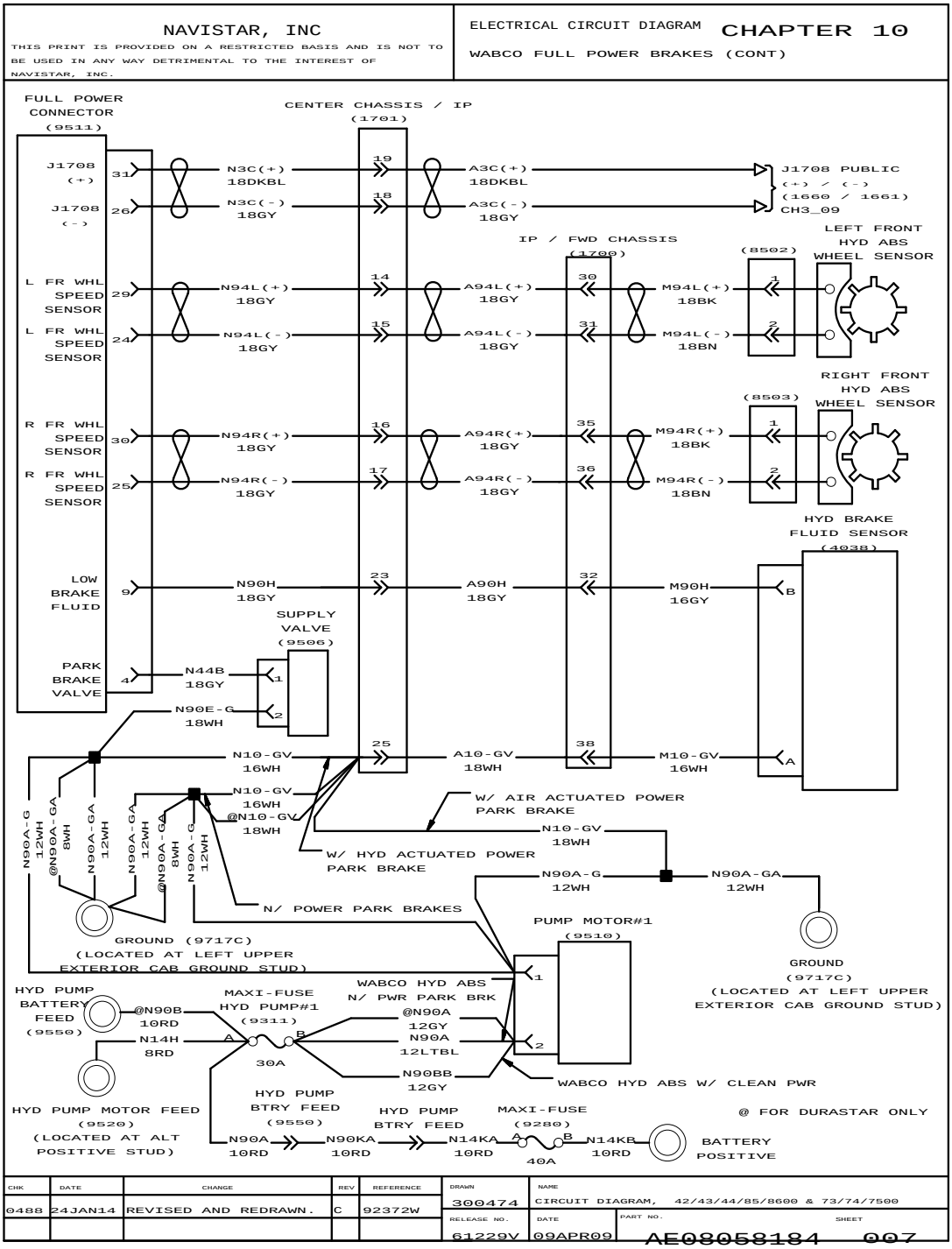

Figure 317 WABCO Full Power Brakes (Cont.)

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10.9. WABCO FULL POWER BRAKES (CONT.), P. 8

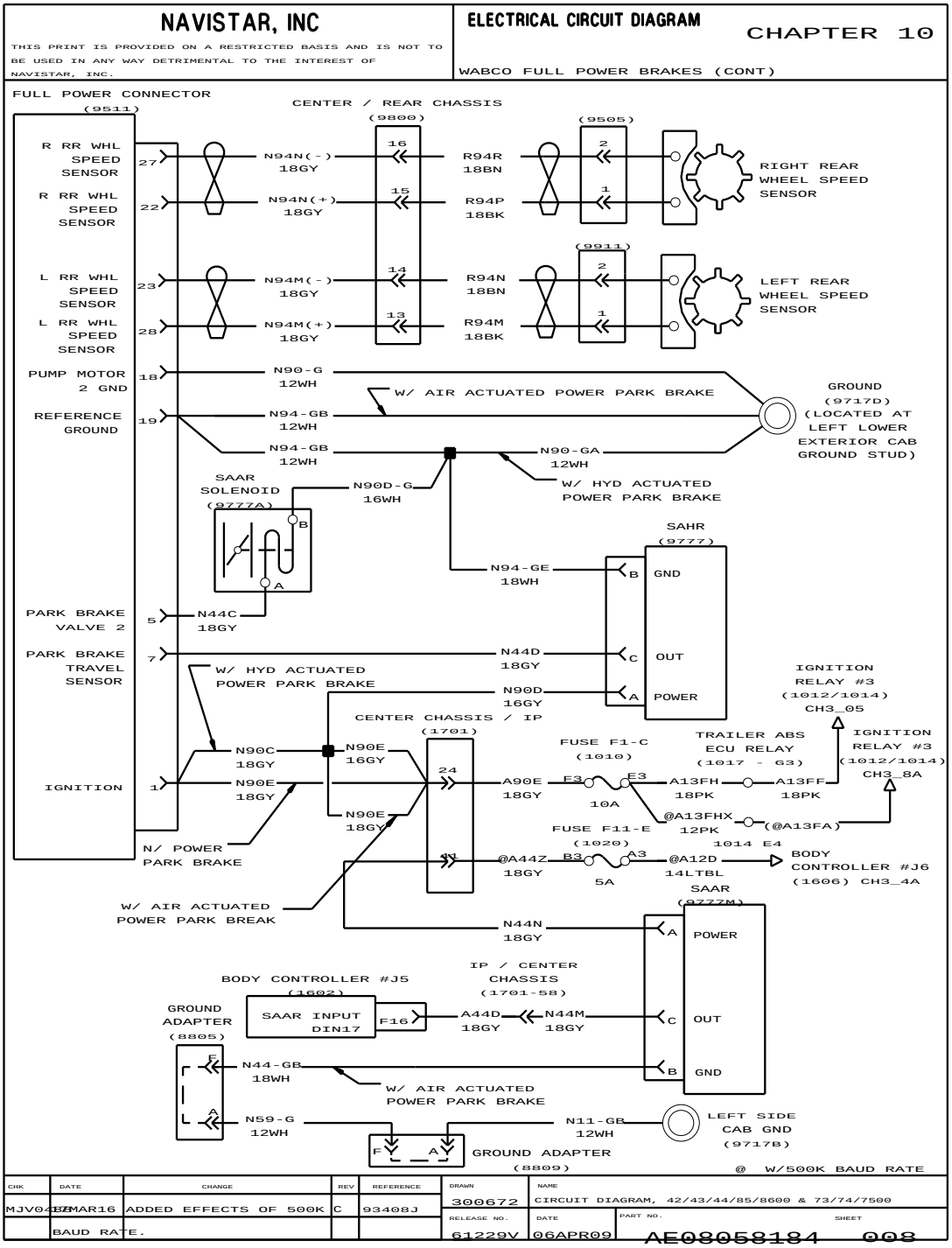

Figure 318 WABCO Full Power Brakes (Cont.)

https://truckmanualshub.com/

10.10. BODY BUILDER AND TRAILER – TURN, MARKERS AND STOP, P. 9

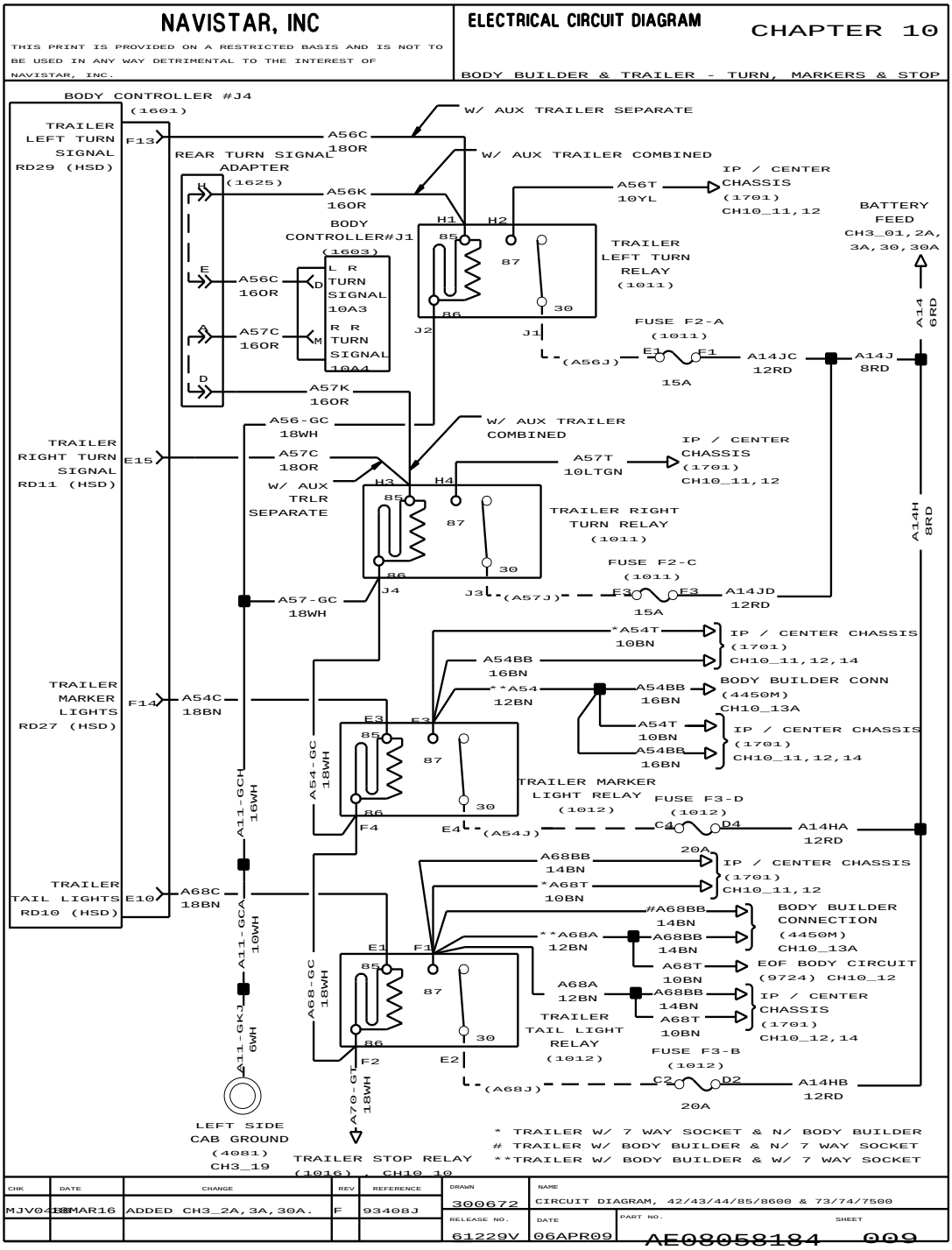

Figure 319 Body Builder and Trailer – Turn, Markers and Stop

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10.11. BODY BUILDER AND TRAILER – TURN, MARKERS AND STOP (CONT.), P. 10

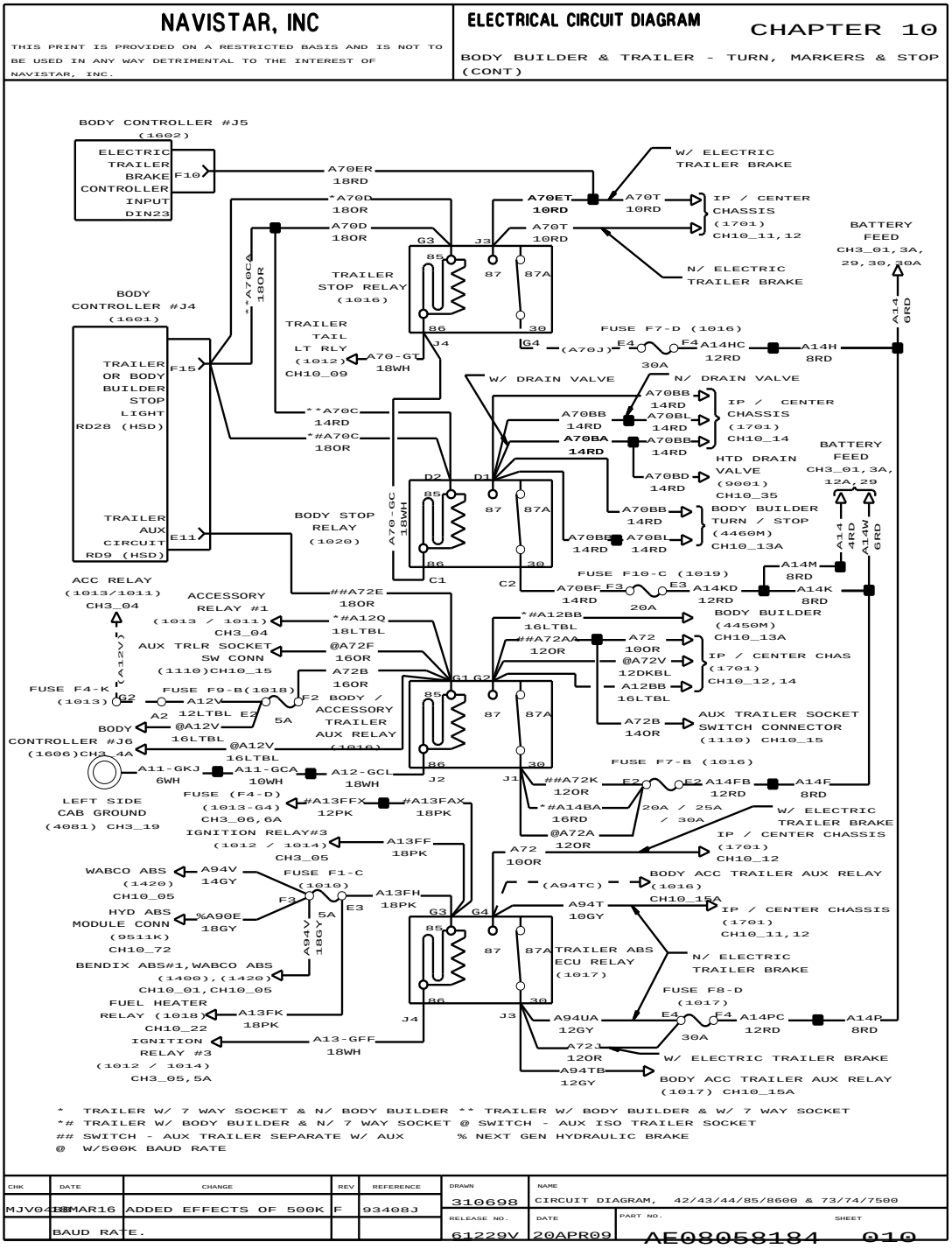

Figure 320 Body Builder and Trailer – Turn, Markers and Stop (Cont.)

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10.12. TRAILER SOCKET – BOC AND EOF, P. 11

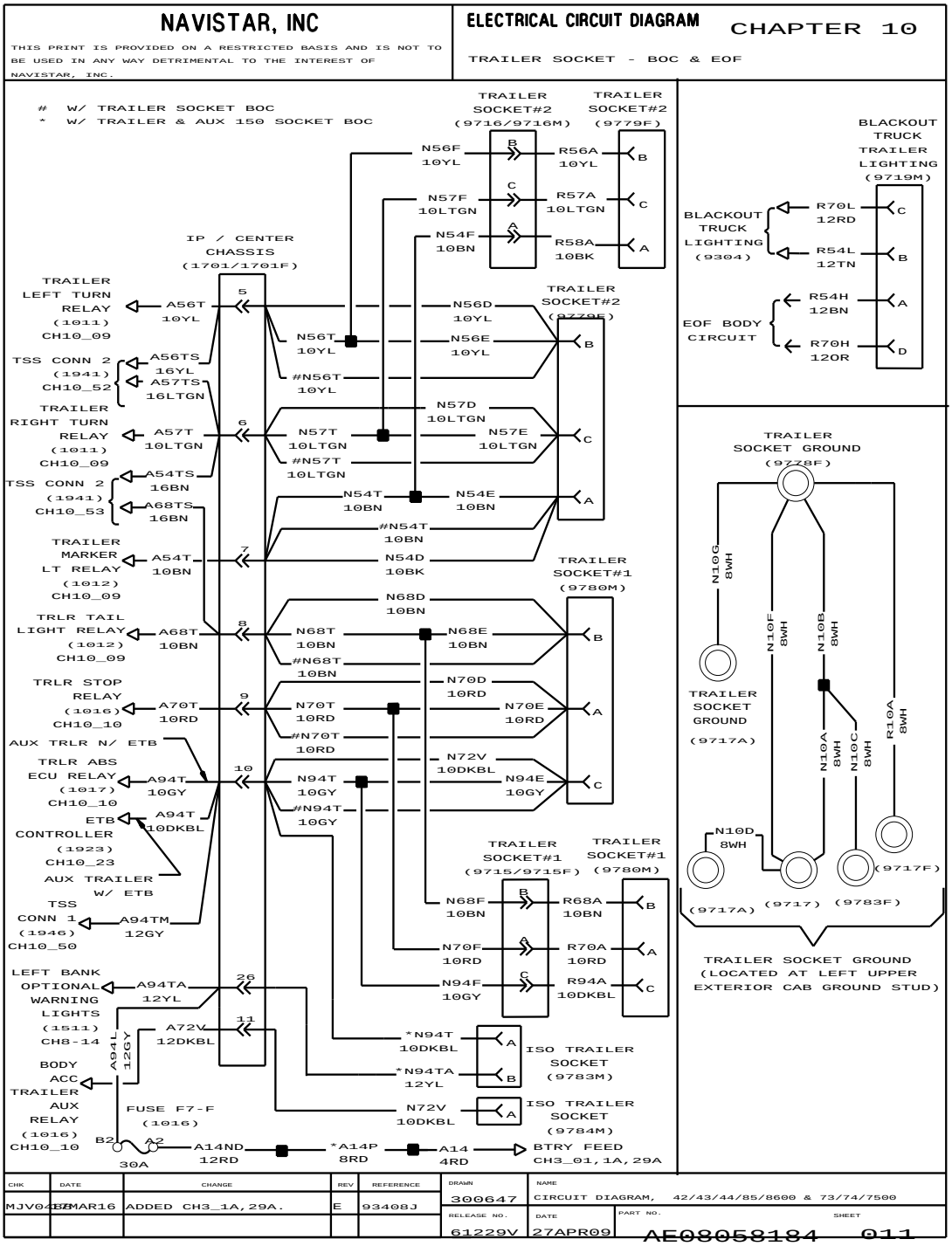

Figure 321 Trailer Socket – BOC and EOF

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10.13. BODY BUILDER AND TRAILER SOCKET – BOC AND EOF, P. 12

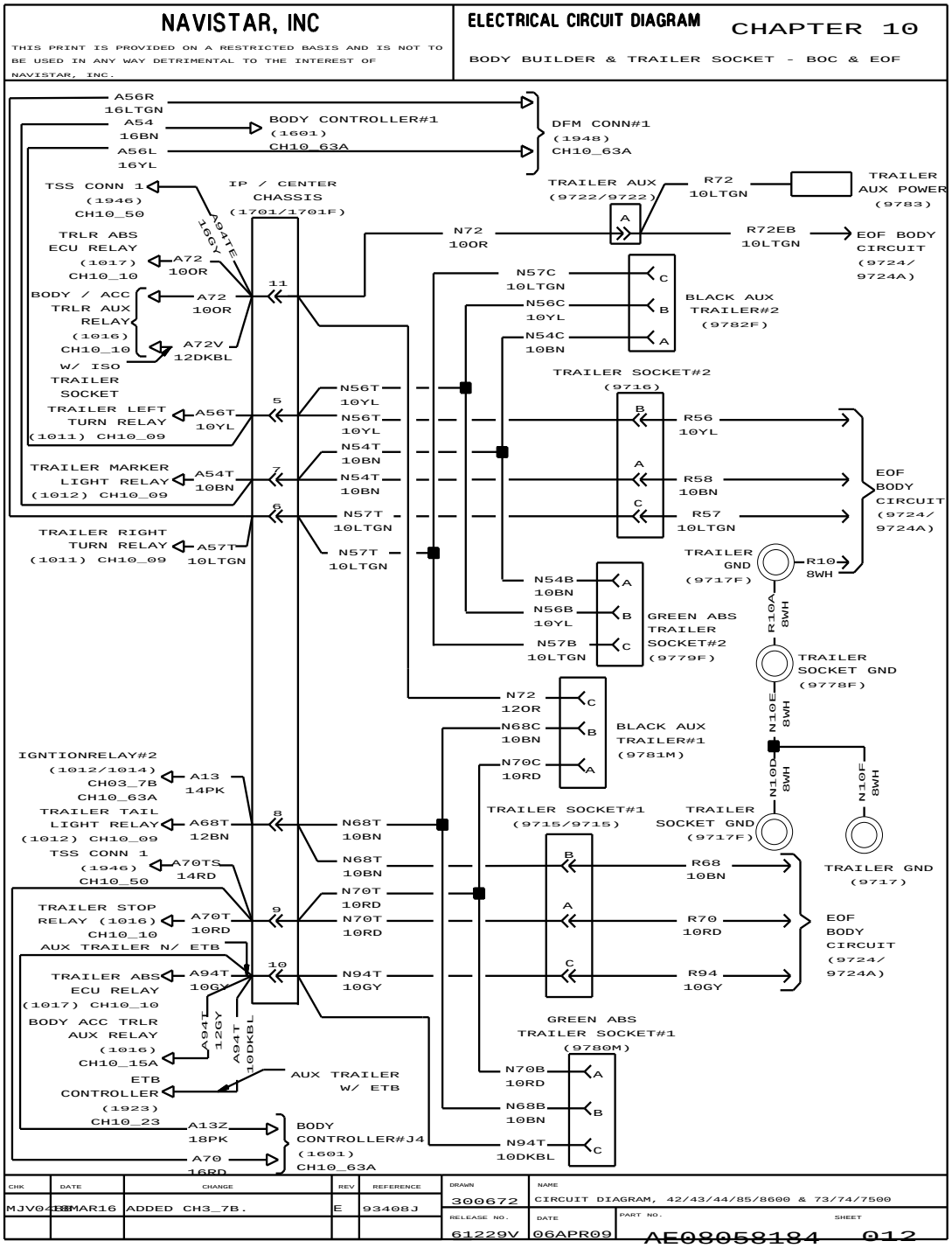

Figure 322 Body Builder and Trailer Socket – BOC and EOF

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10.14. 12V TRAILER SOCKET, P. 12A

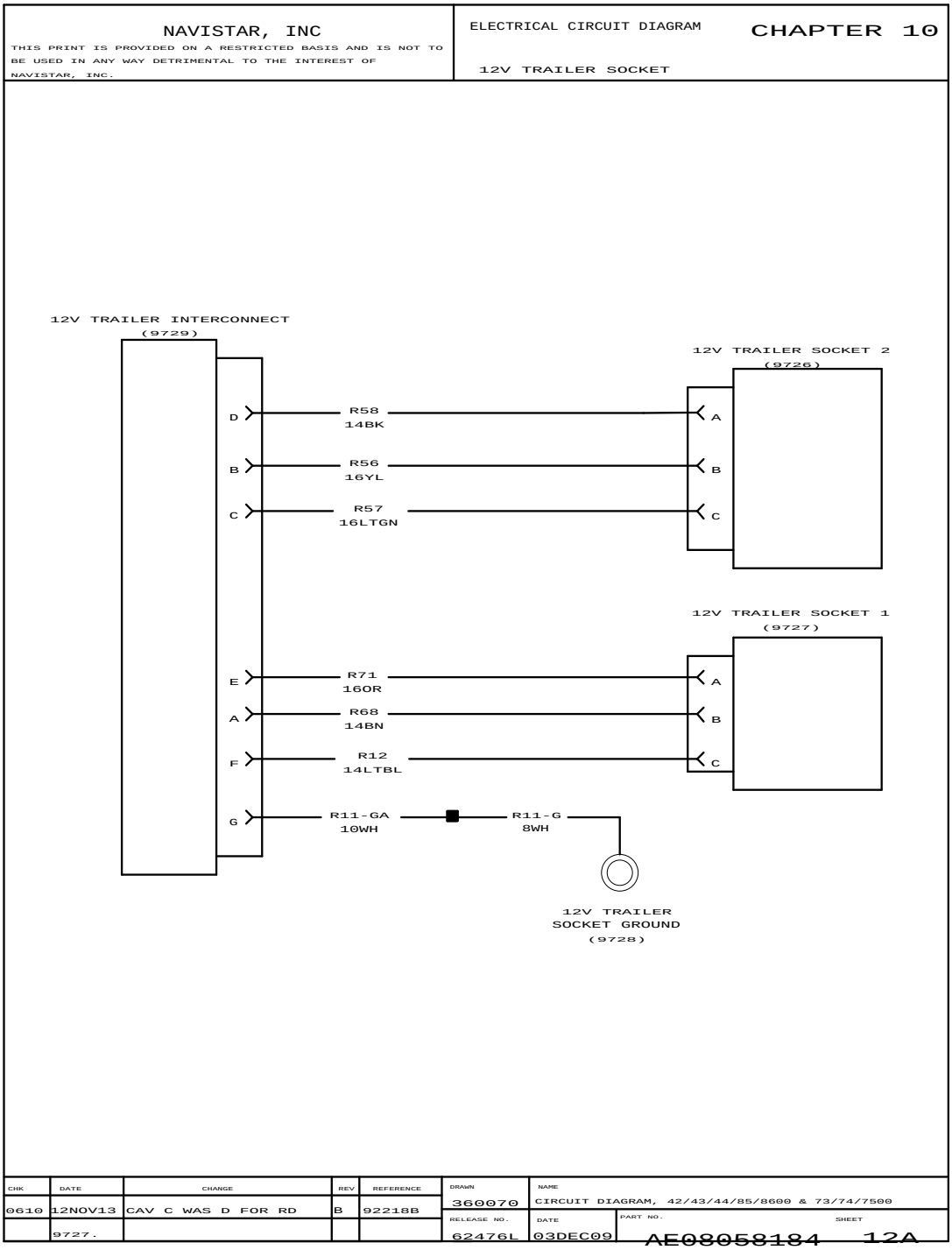

Figure 323 12V Trailer Socket

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10.15. BODY BUILDER PRE-WIRING, P. 13

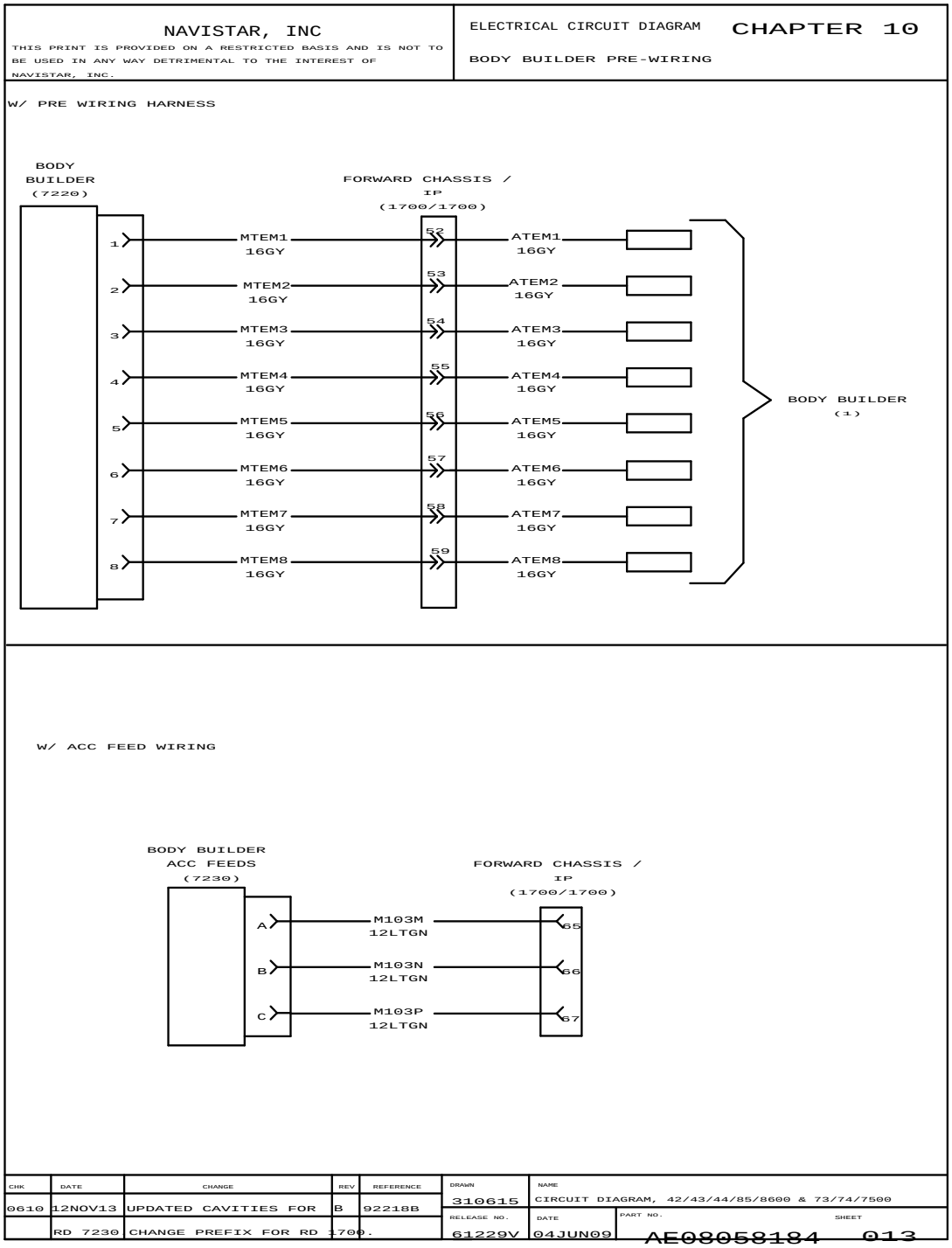

Figure 324 Body Builder Pre-Wiring

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10.16. BODY BUILDER PRE-WIRING (CONT.), P. 13A

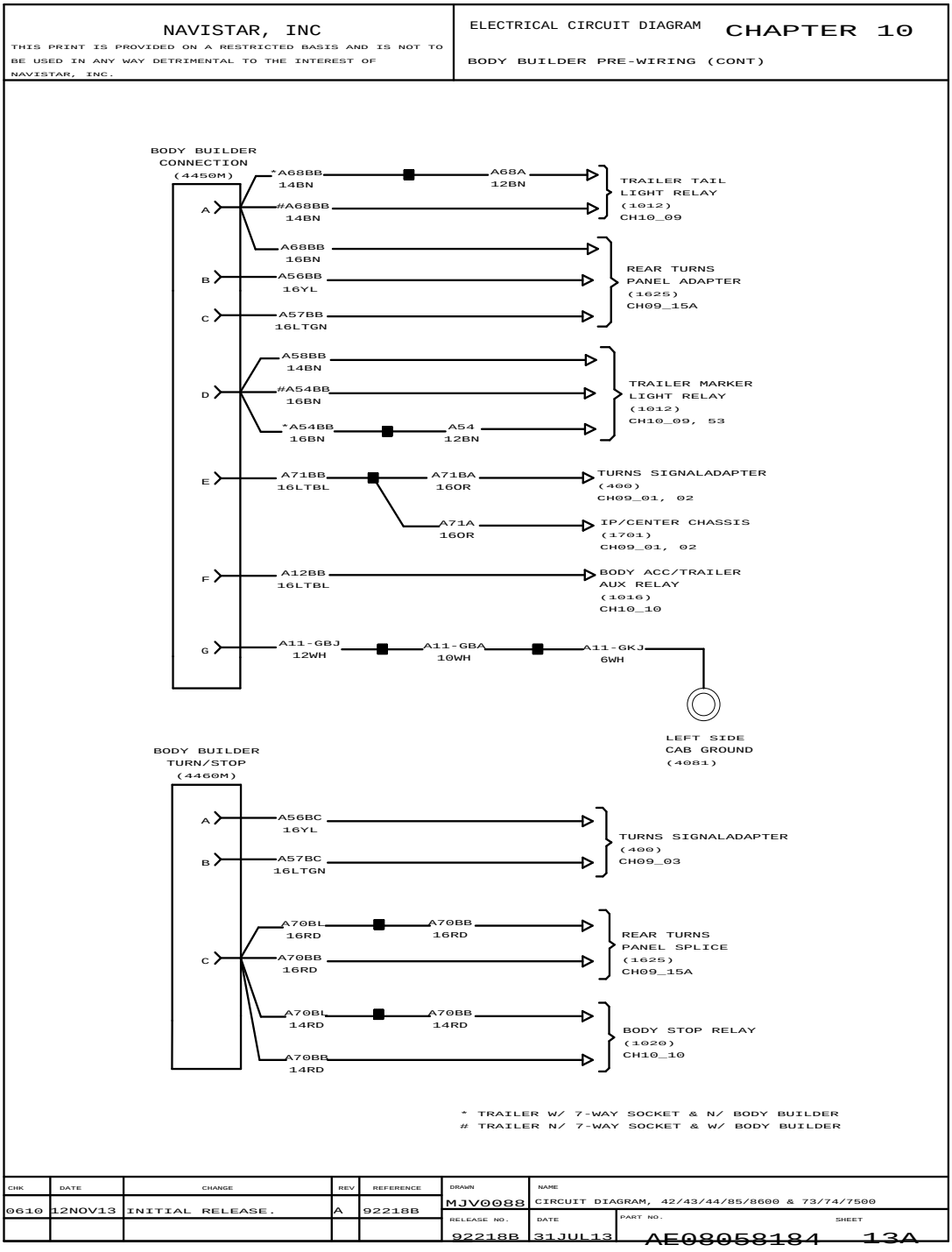

Figure 325 Body Builder Pre-Wiring (Cont.)

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10.17. BODY BUILDER CONNECTIONS, P. 14

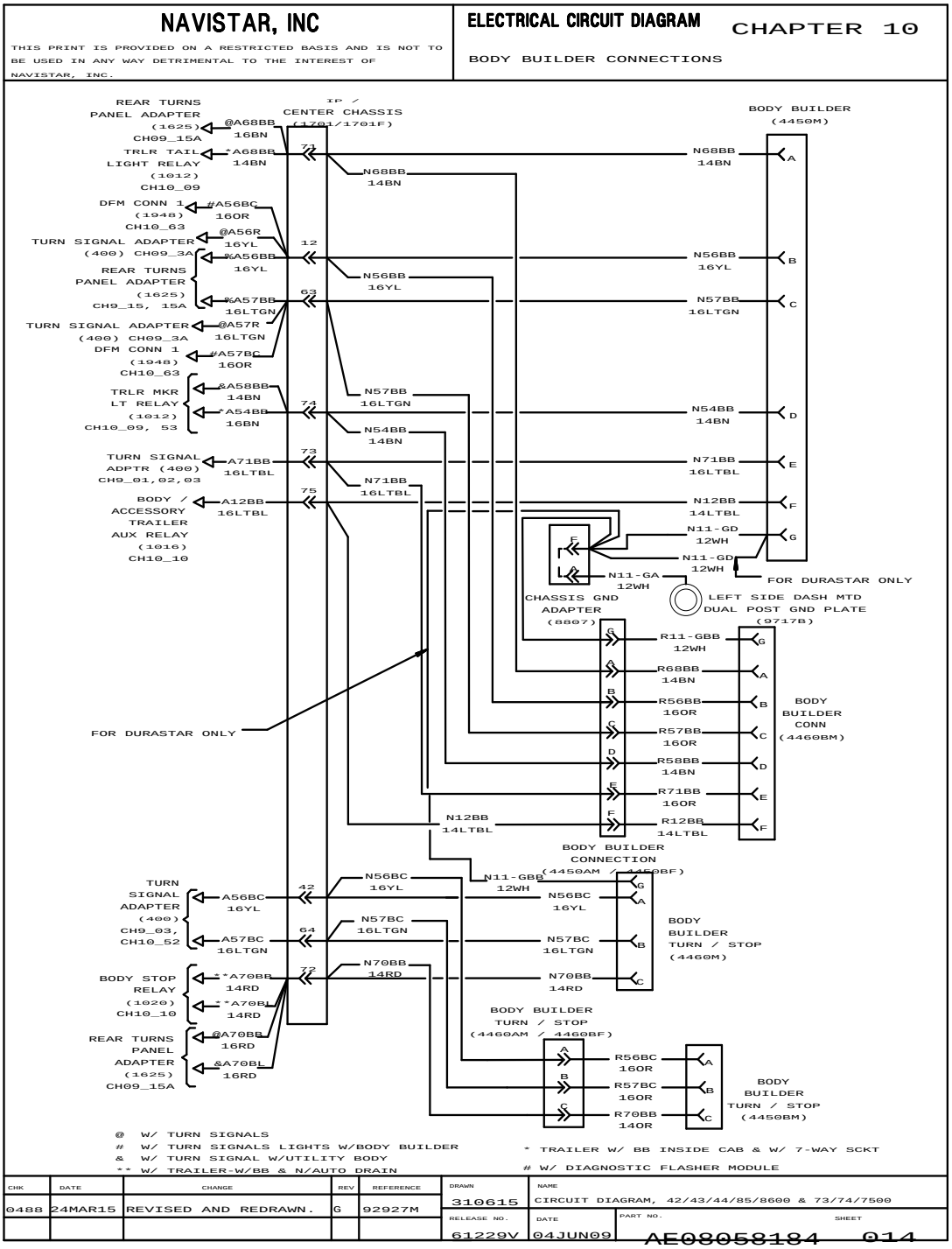

Figure 326 Body Builder Connections

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10.18. UTILITY BODY CONNECTIONS, P. 14A

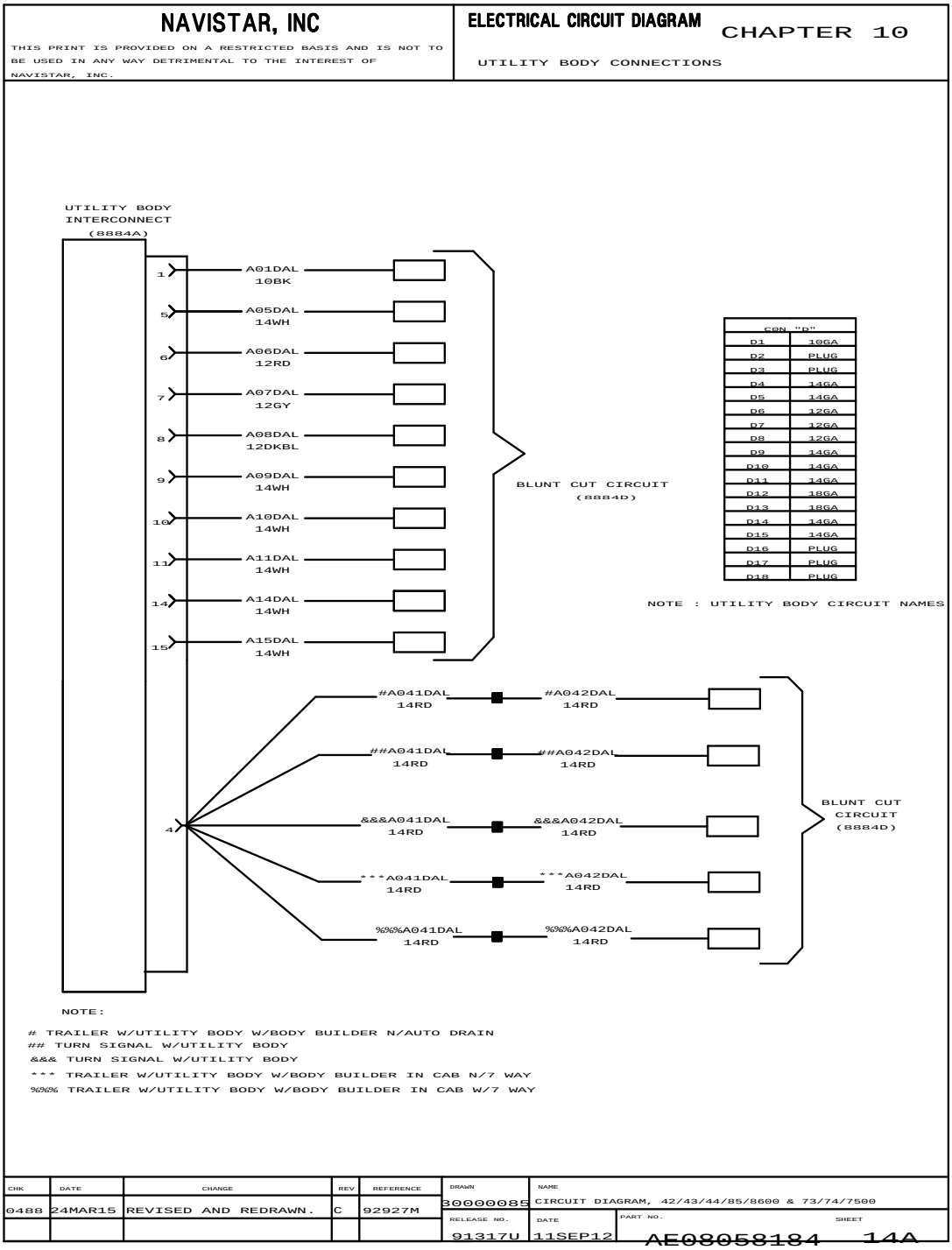

Figure 327 Utility Body Connections

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10.19. UTILITY BODY CONNECTIONS (CONT.), P. 14B

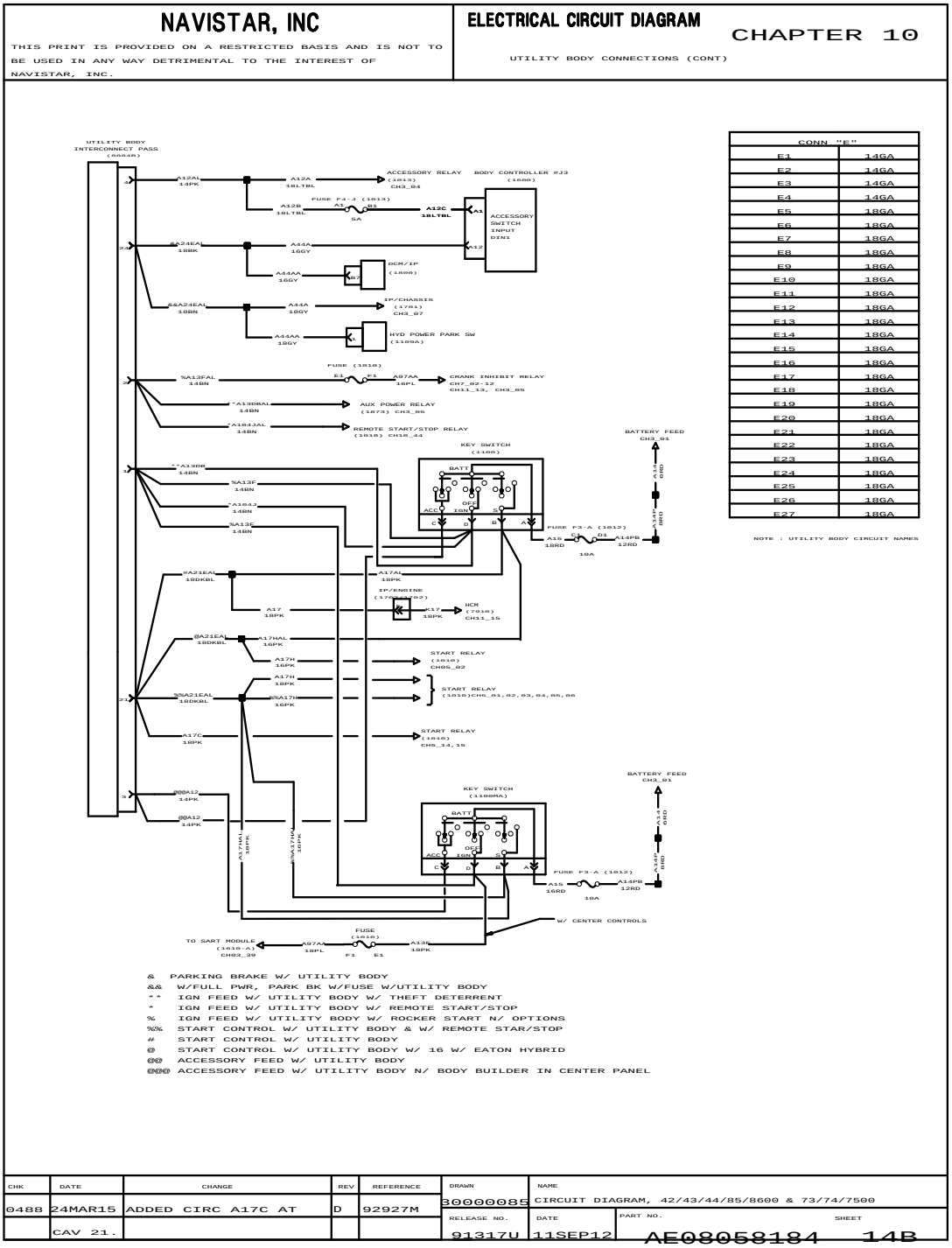

Figure 328 Utility Body Connections (Cont.)

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10.20. UTILITY BODY CONNECTIONS (CONT.), P. 14C

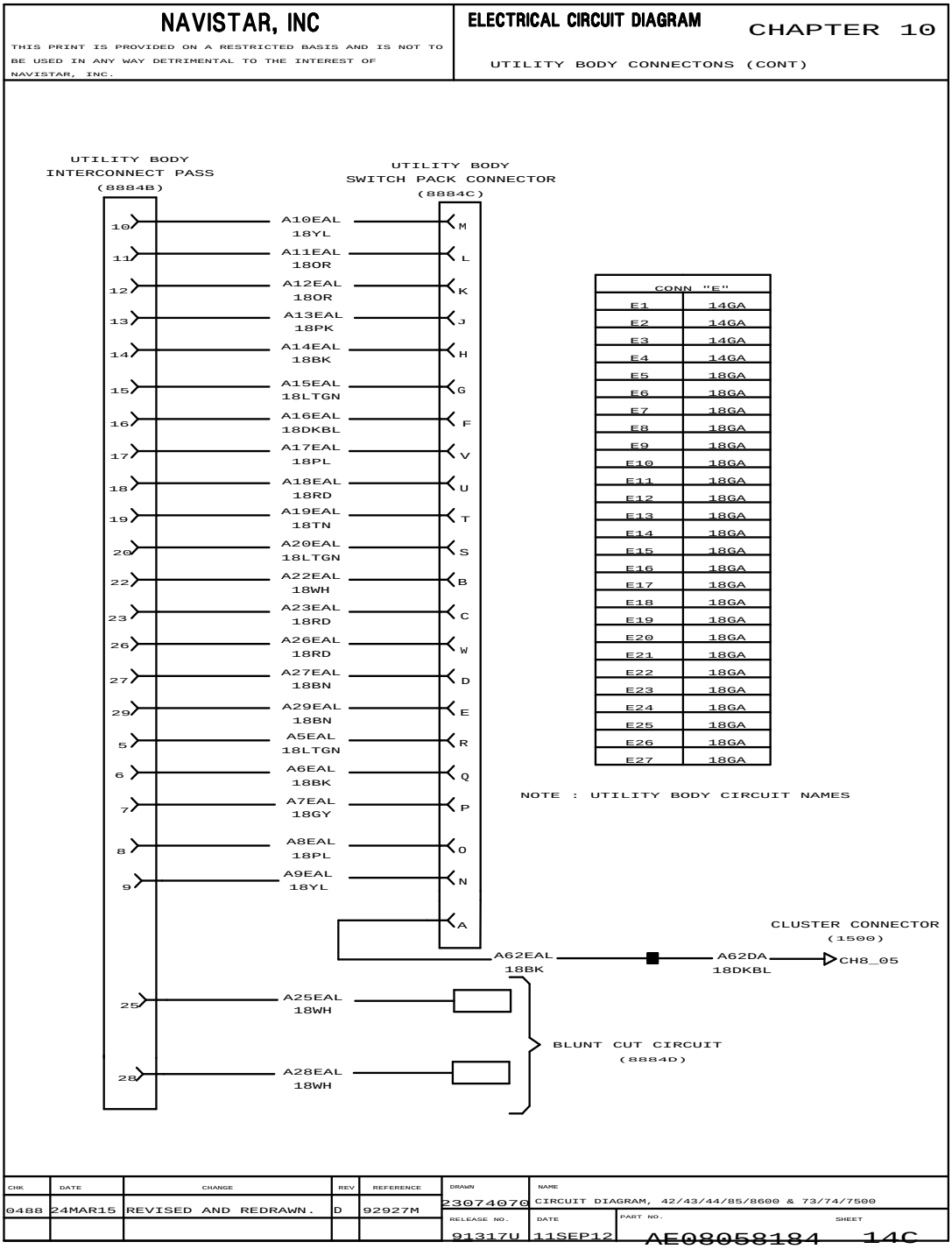

Figure 329 Utility Body Connections (Cont.)

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10.21. UTILITY BODY CONNECTIONS (CONT.), P. 14D

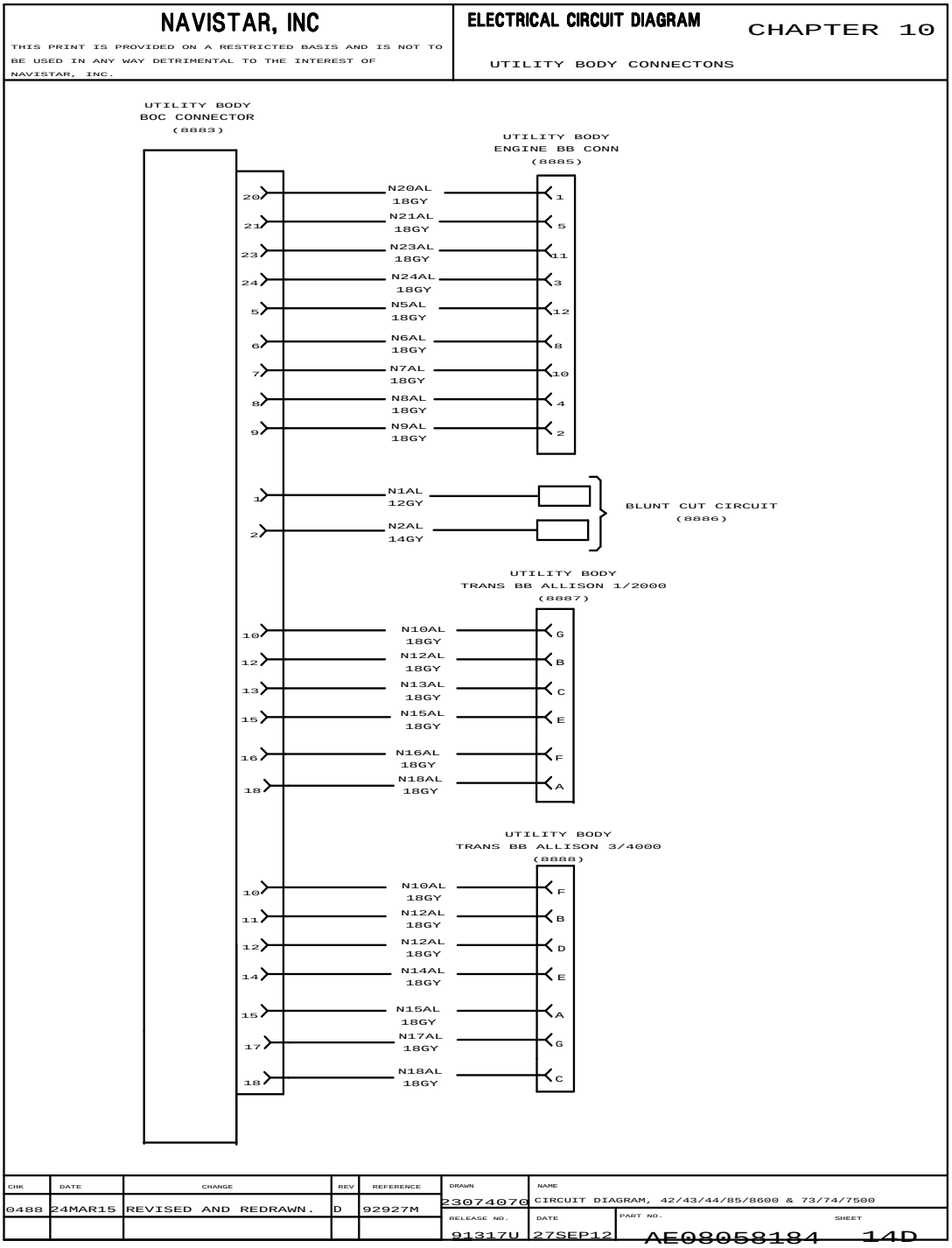

Figure 330 Utility Body Connections (Cont.)

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10.22. UTILITY BODY CONNECTIONS (CONT.), P. 14E

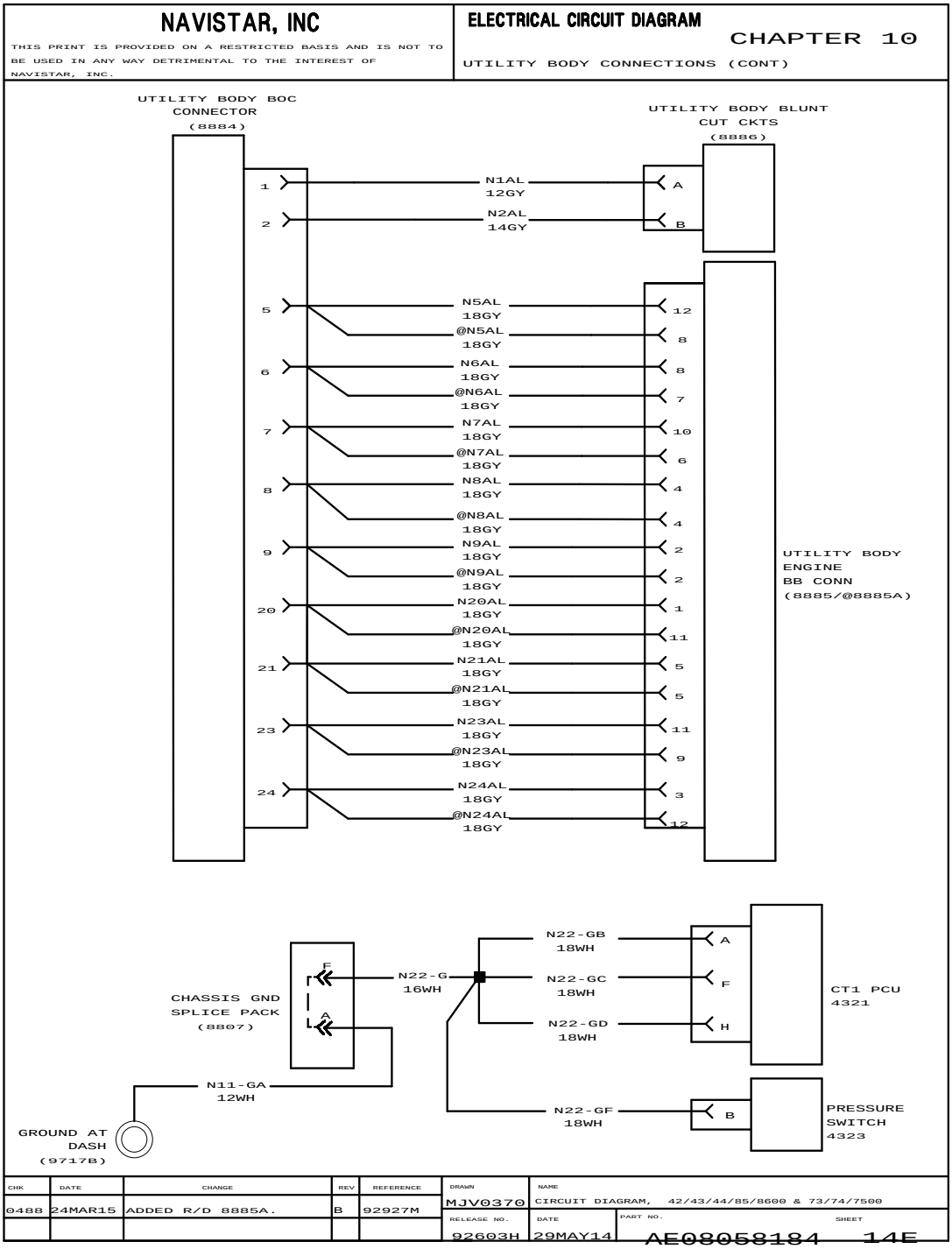

Figure 331 Utility Body Connections (Cont.)

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10.23. UTILITY BODY CONNECTIONS (CONT.), P. 14F

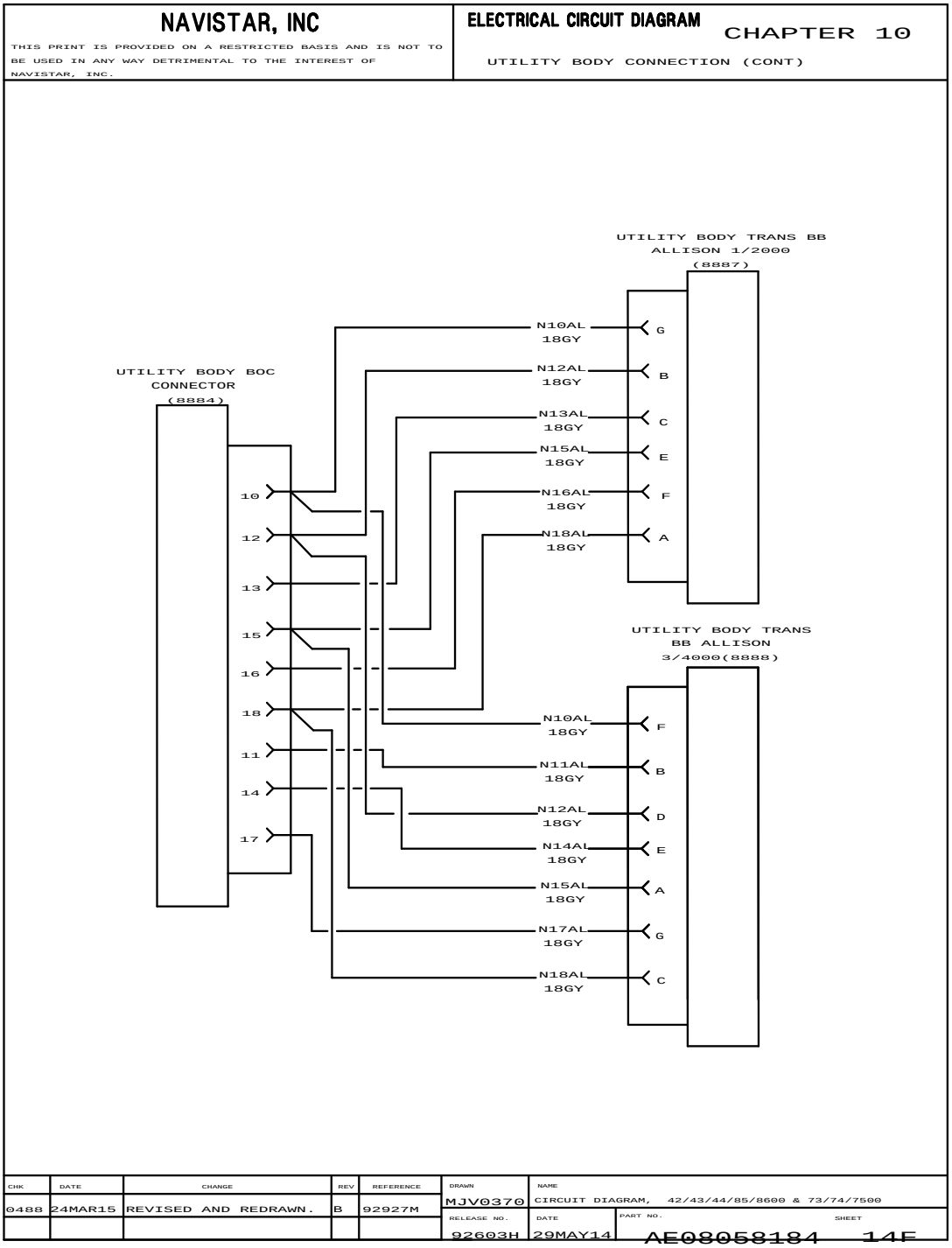

Figure 332 Utility Body Connections (Cont.)

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10.24. UTILITY BODY CONNECTIONS WITH 500K BAUD RATE, P. 14G

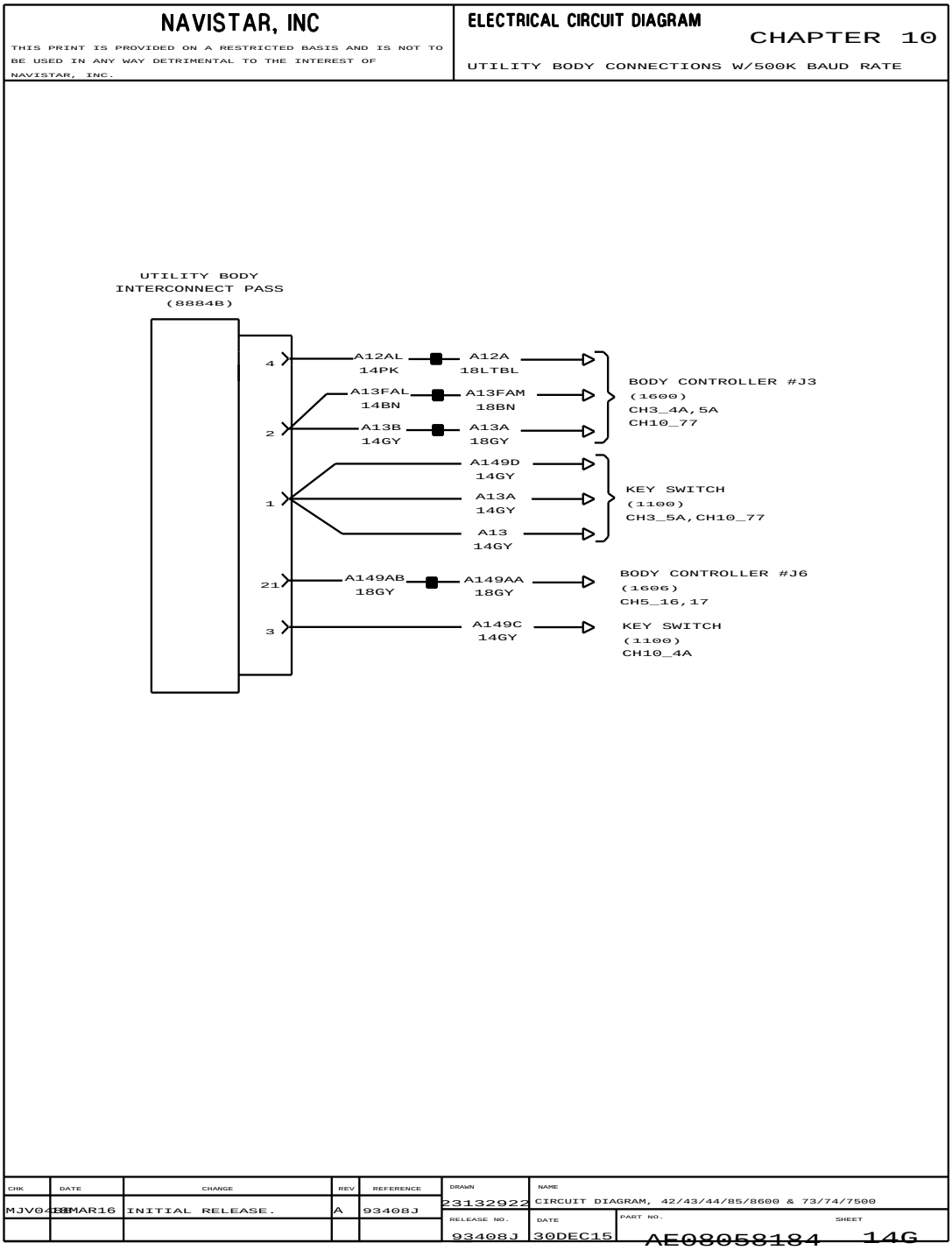

Figure 333 Utility Body Connections with 500K Baud Rate

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10.25. AUXILIARY TRAILER CIRCUIT, P. 15

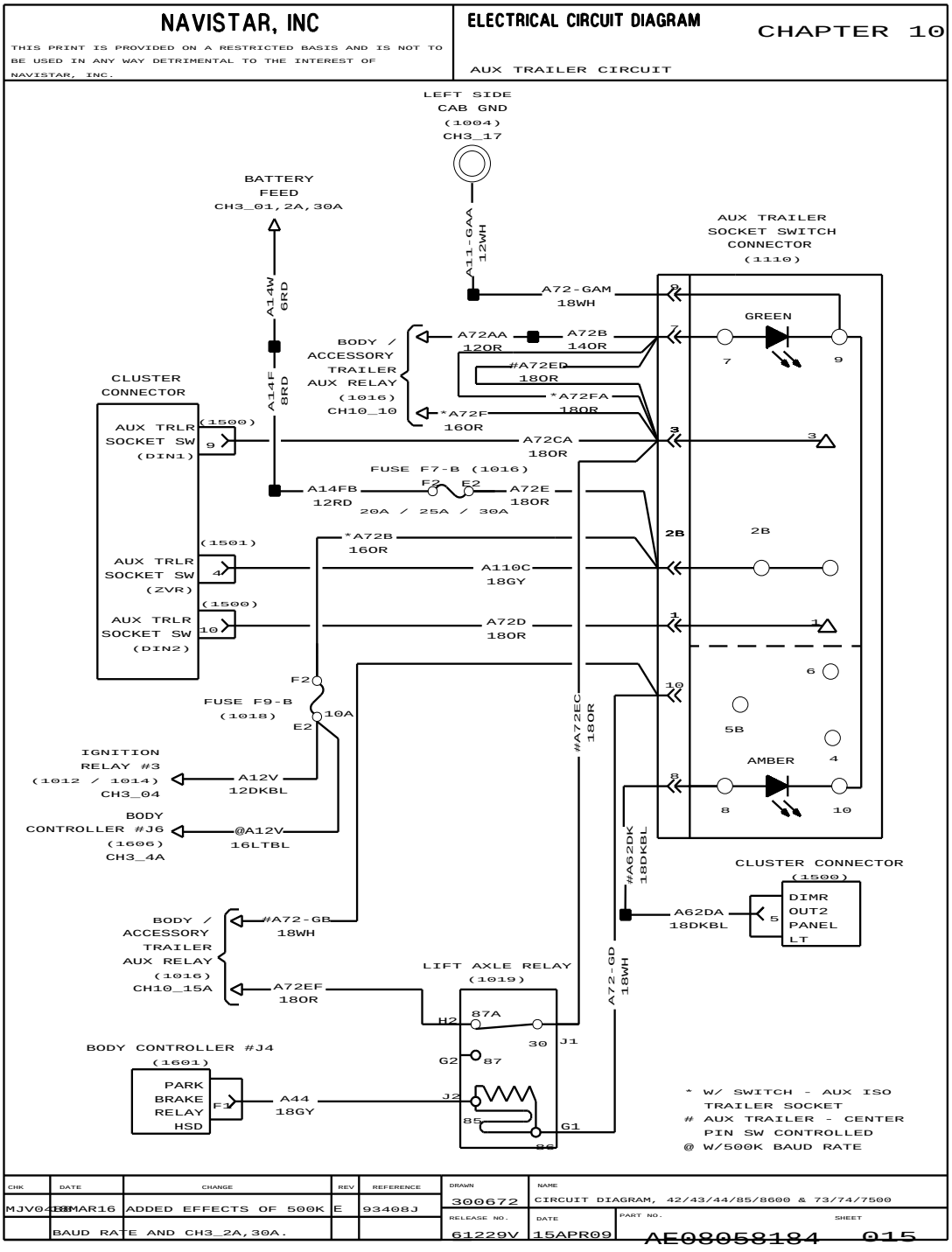

Figure 334 Auxiliary Trailer Circuit

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10.26. SWITCH – AUX TRAILER SEPARATE, P. 15A

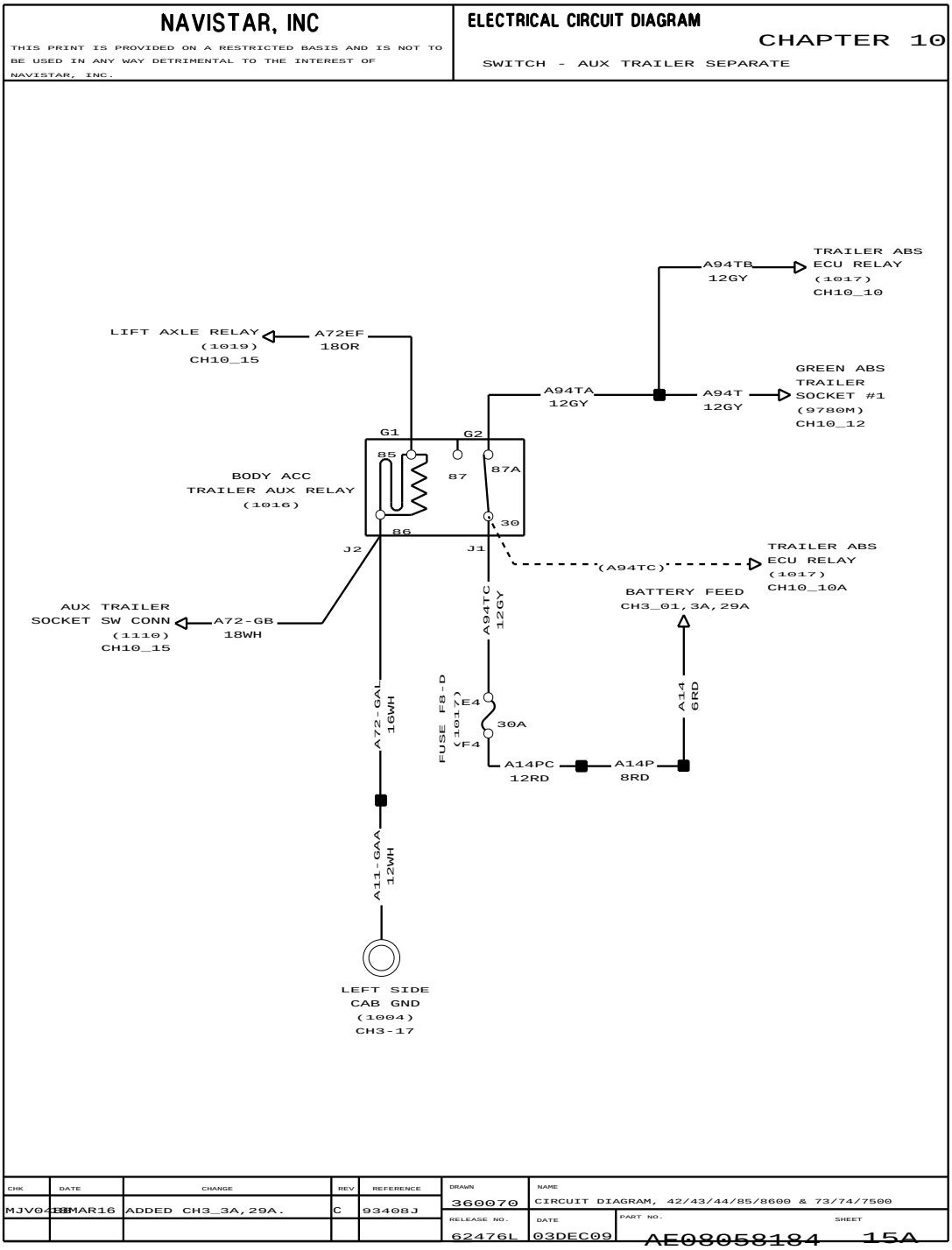

Figure 335 Switch – Aux Trailer Separate

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10.27. TWO SPEED AXLE SWITCH, P. 16

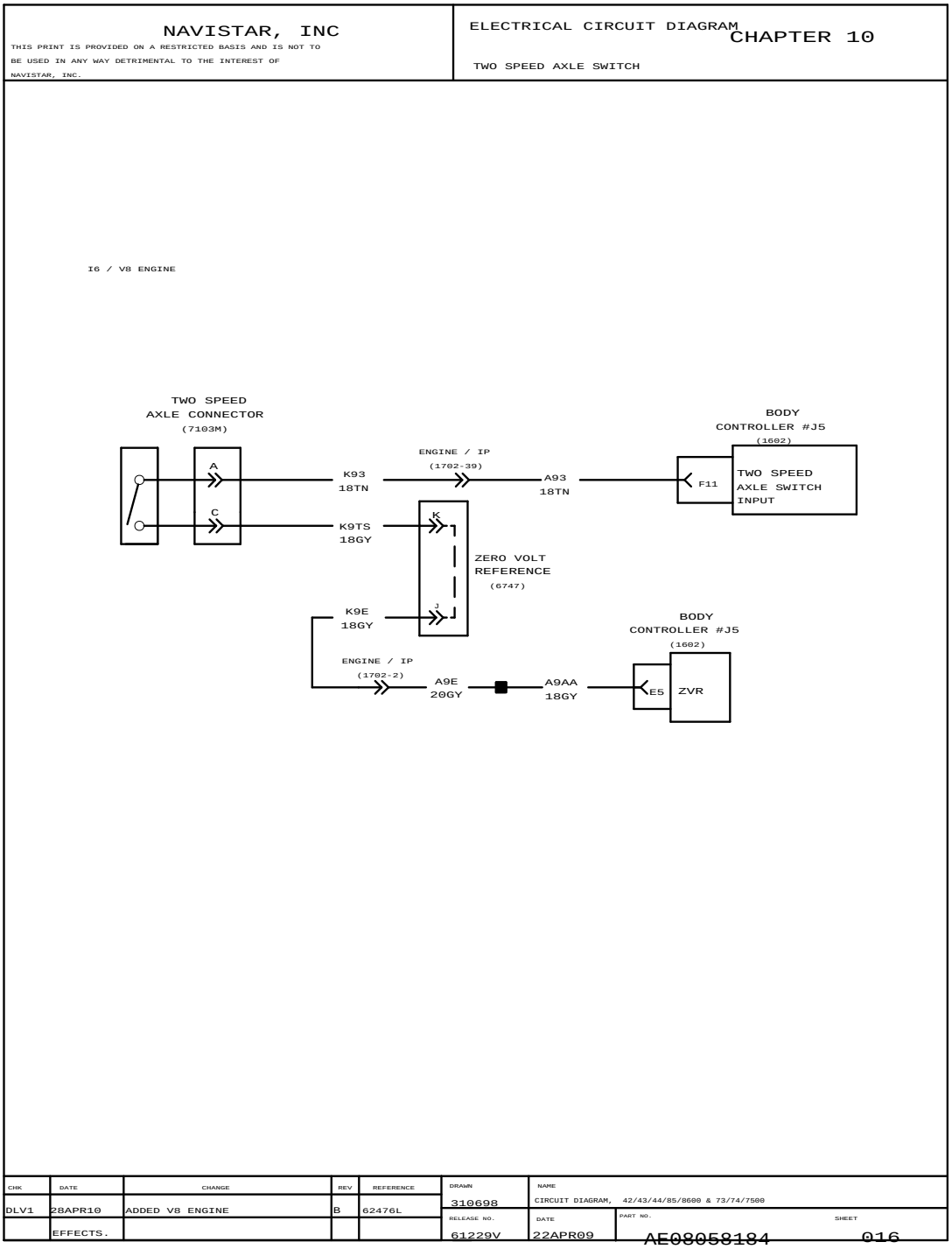

Figure 336 Two Speed Axle Switch

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10.28. AIR SOLENOID, P. 17

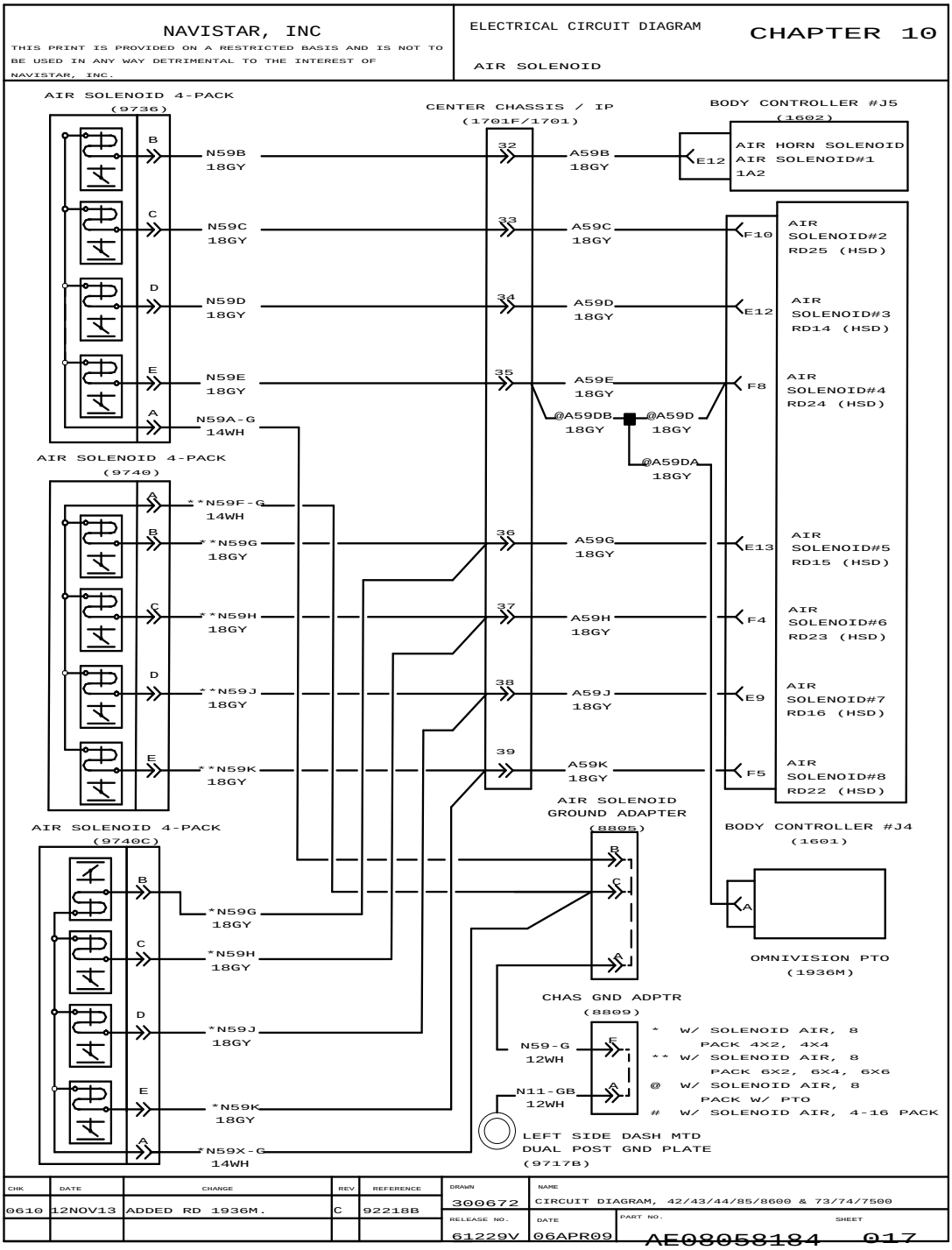

Figure 337 Air Solenoid

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10.29. AIR SOLENOID (CONT.), P. 17A

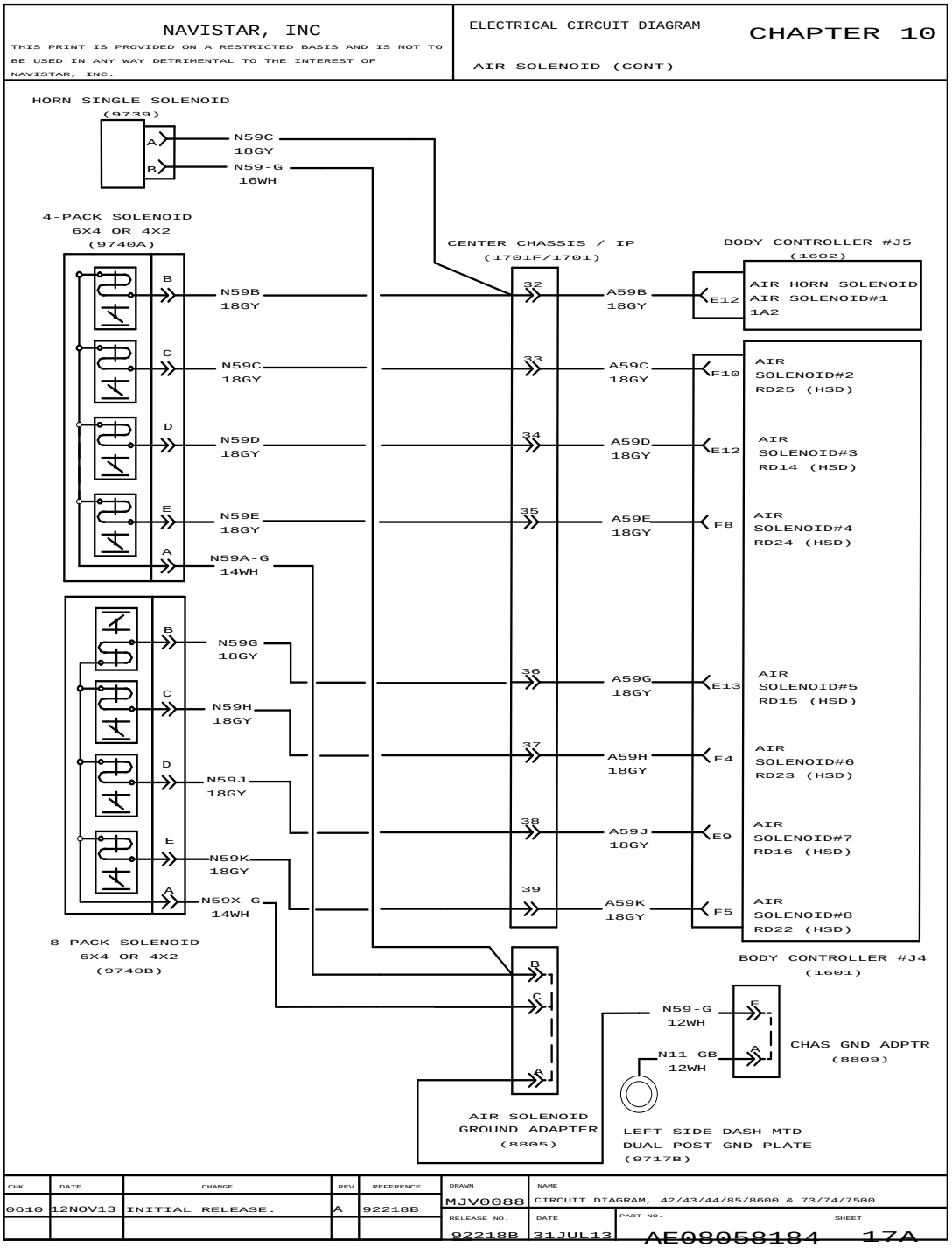

Figure 338 Air Solenoid (Cont.)

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10.30. AIR SOLENOID (CONT.), P. 17B

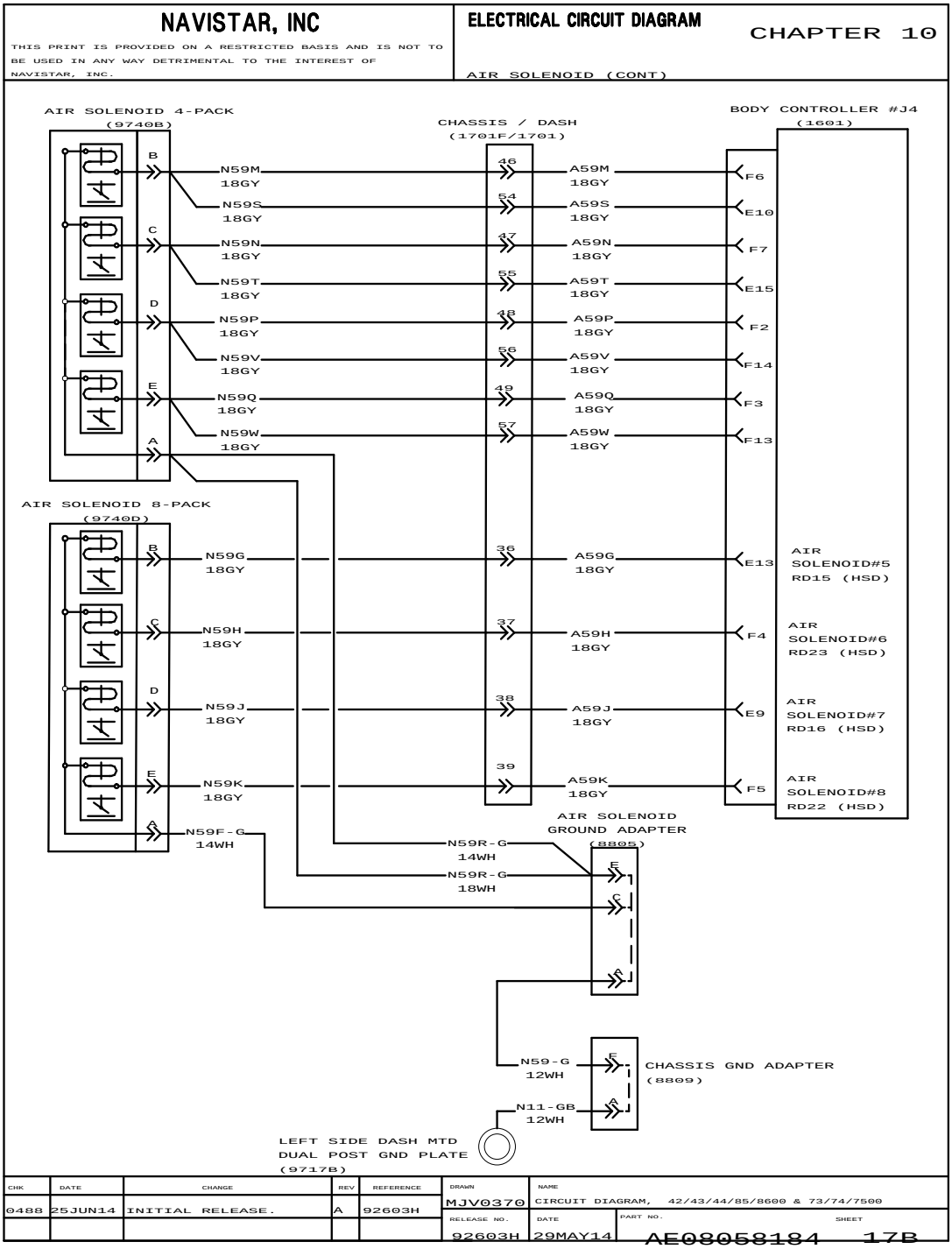

Figure 339 Air Solenoid (Cont.)

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10.31. AIR SOLENOID (CONT.), P. 18

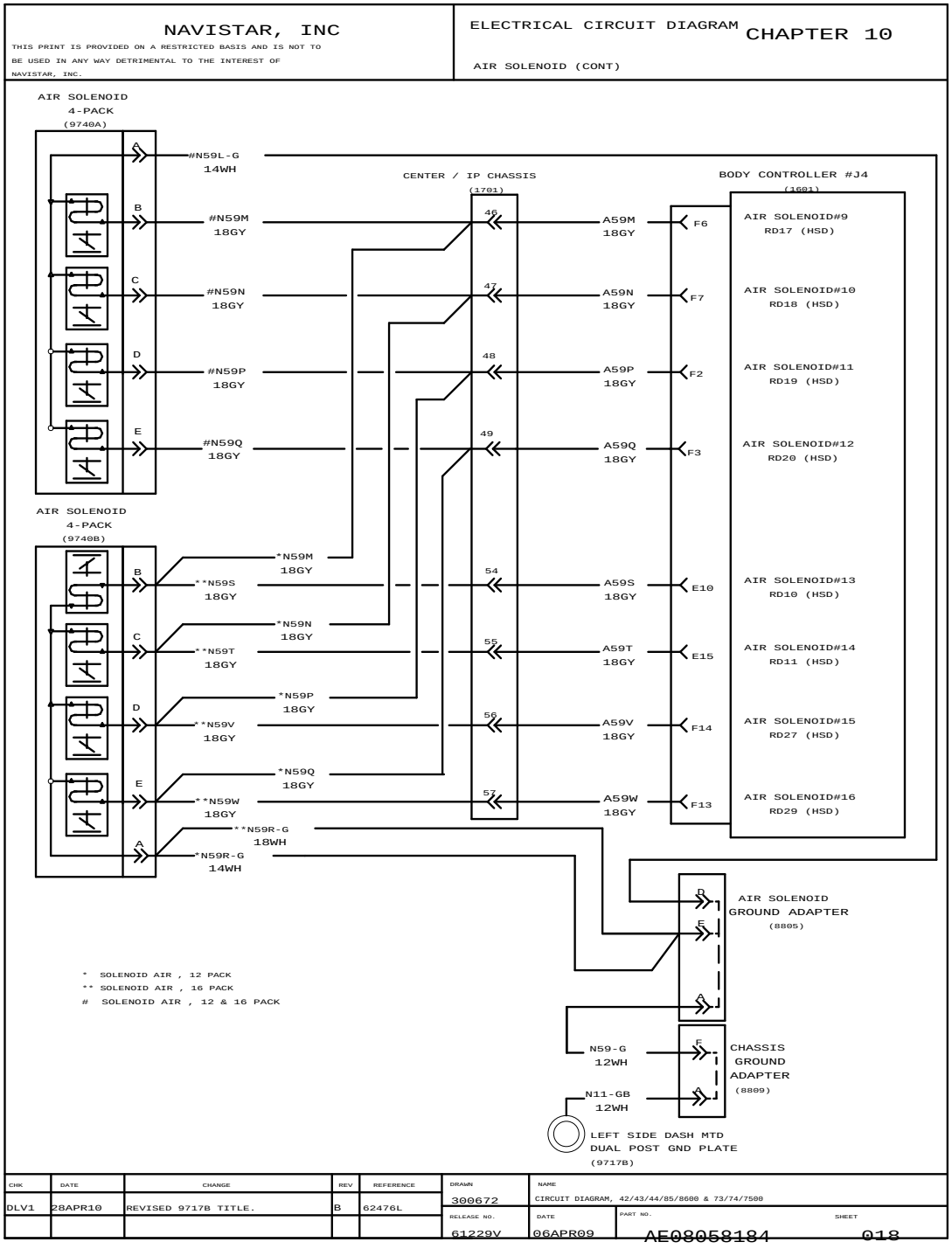

Figure 340 Air Solenoid (Cont.)

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10.32. REMOTE POWER MODULE – BATTERY BOX MOUNTED, P. 19

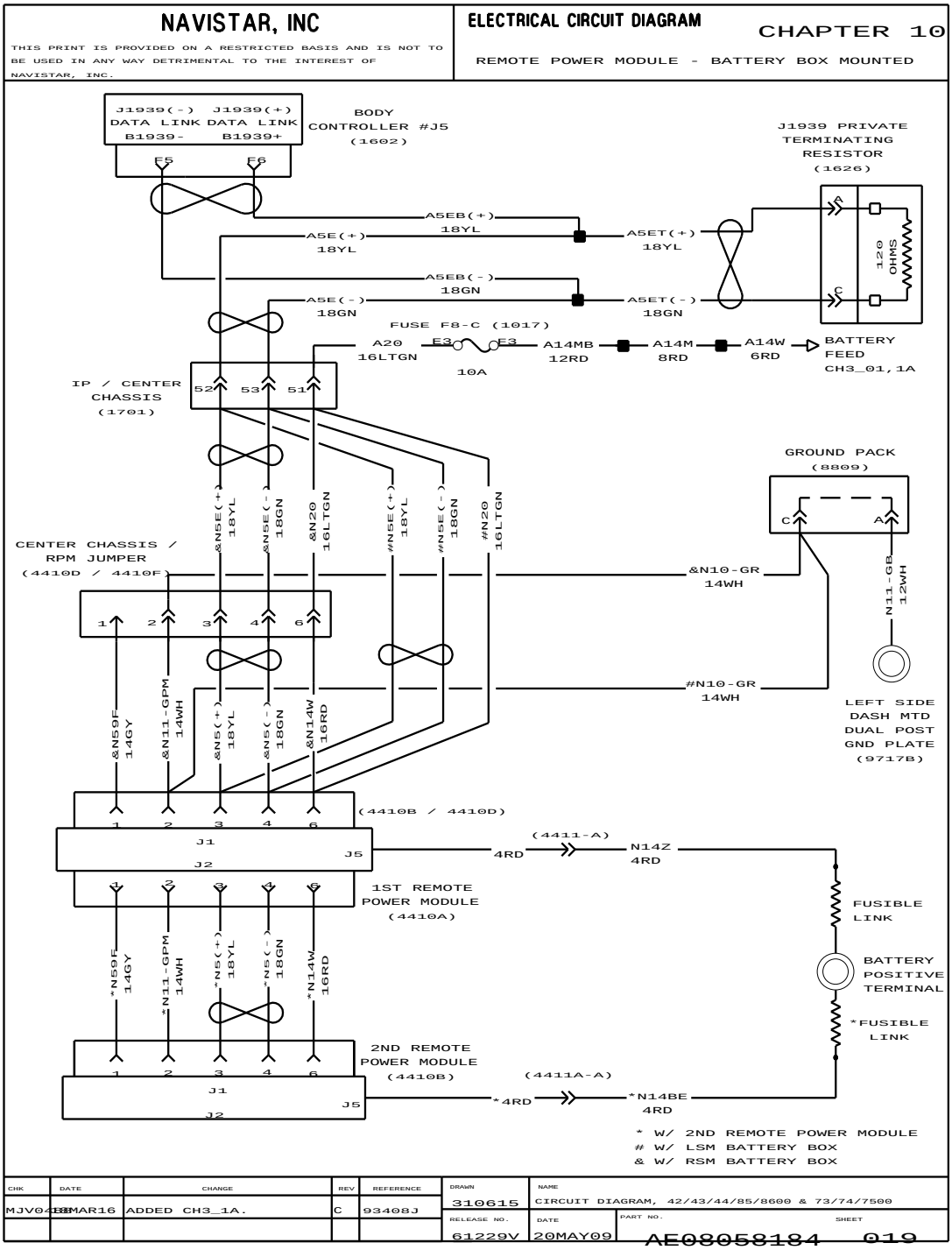

Figure 341 Remote Power Module – Battery Box Mounted

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10.33. REMOTE POWER MODULE – CAB MOUNTED, P. 20

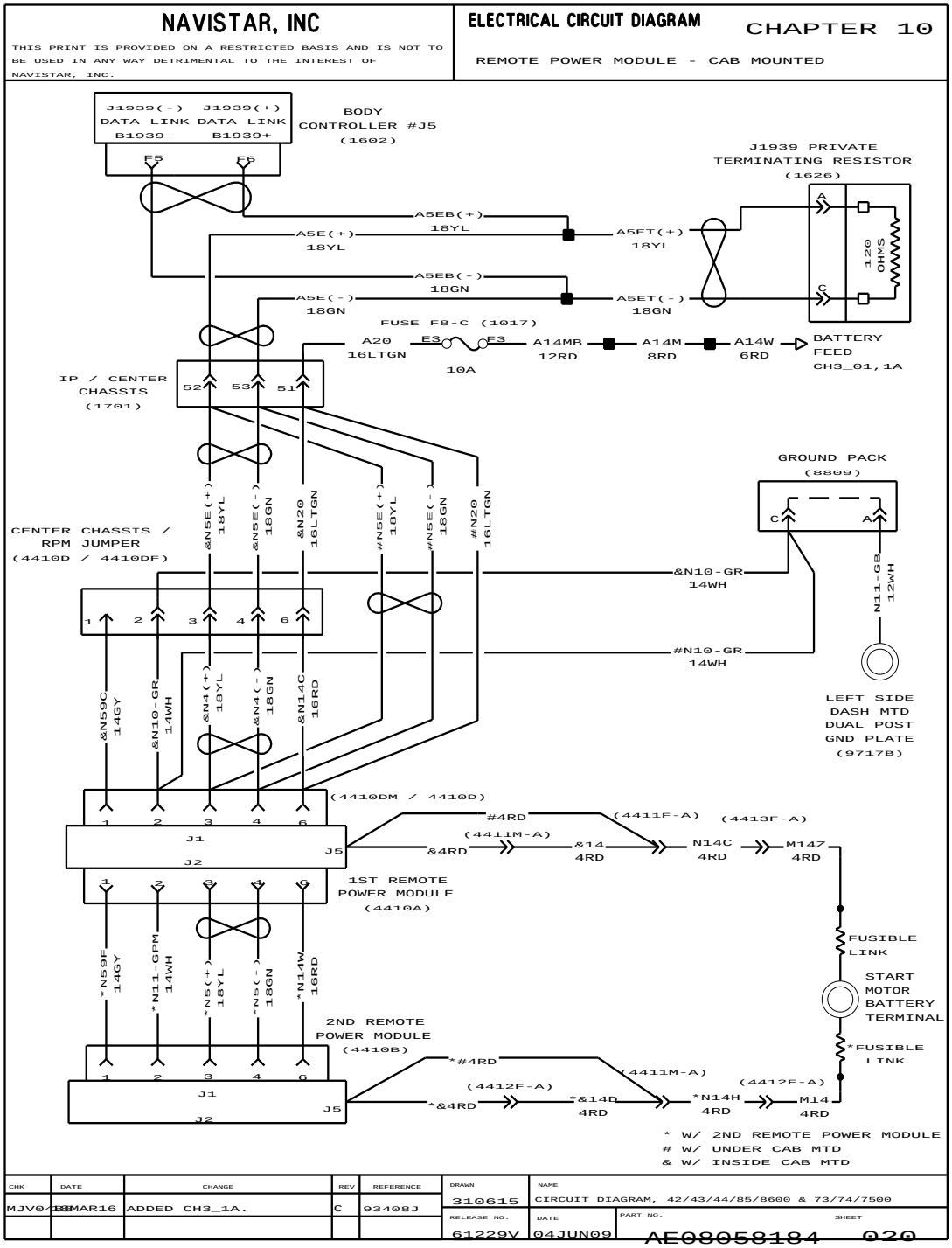

Figure 342 Remote Power Module – Cab Mounted

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10.34. REMOTE POWER MODULE – CAB MOUNTED (CONT.), P. 20A

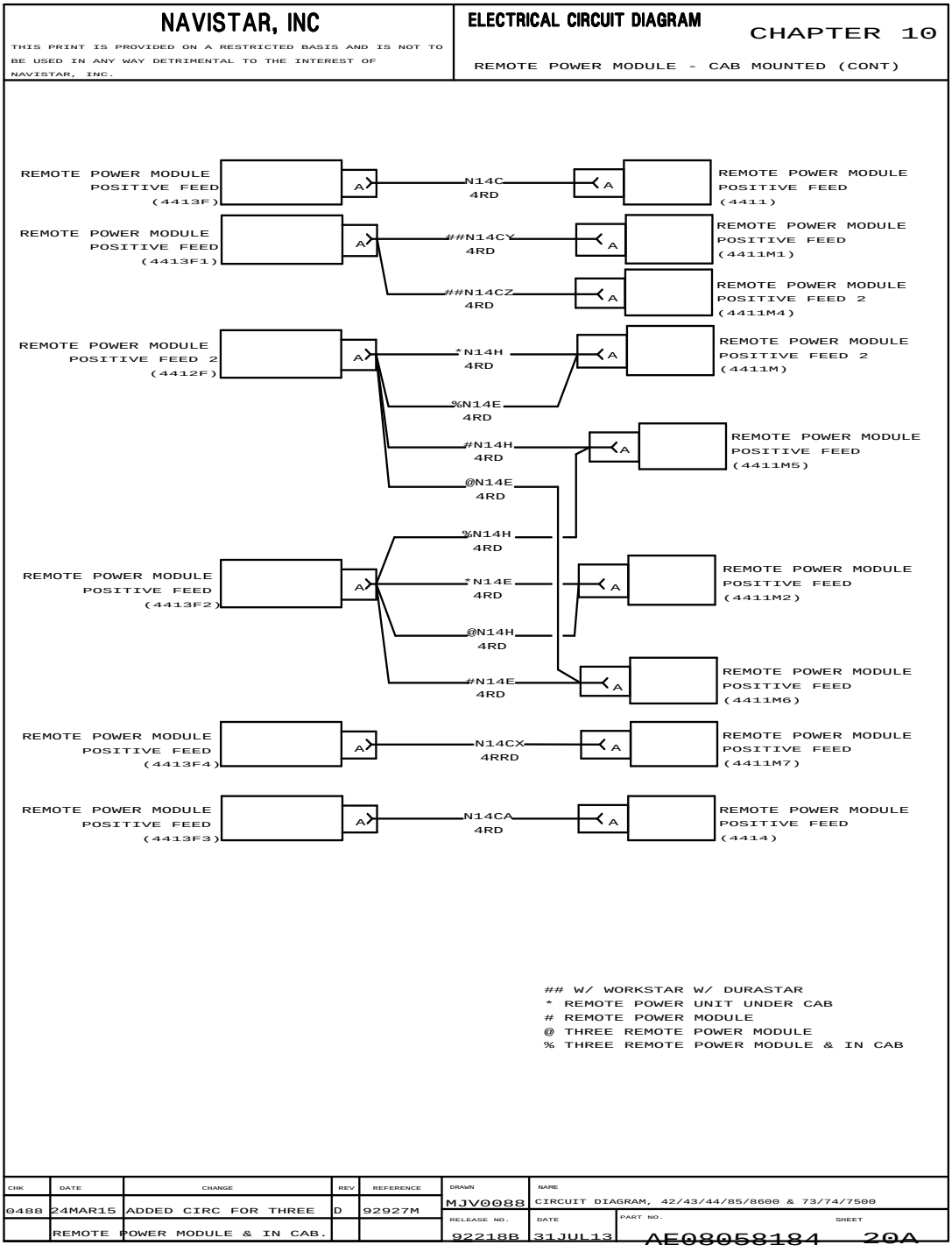

Figure 343 Remote Power Module – Cab Mounted (Cont.)

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10.35. REMOTE POWER MODULE – CAB MOUNTED (CONT.), P. 20B

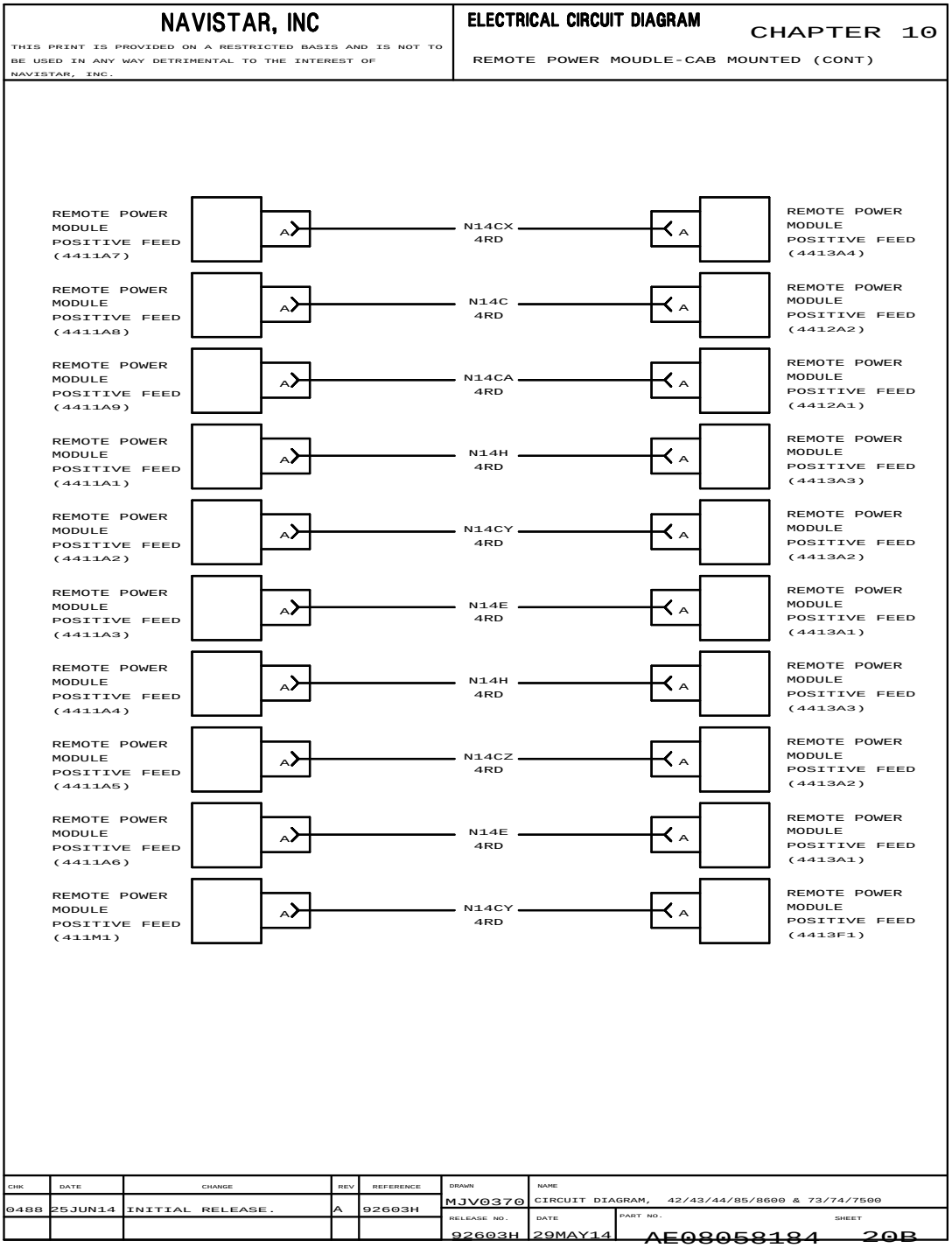

Figure 344 Remote Power Module – Cab Mounted (Cont.)

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10.36. REMOTE POWER MODULE – END OF FRAME, P. 21

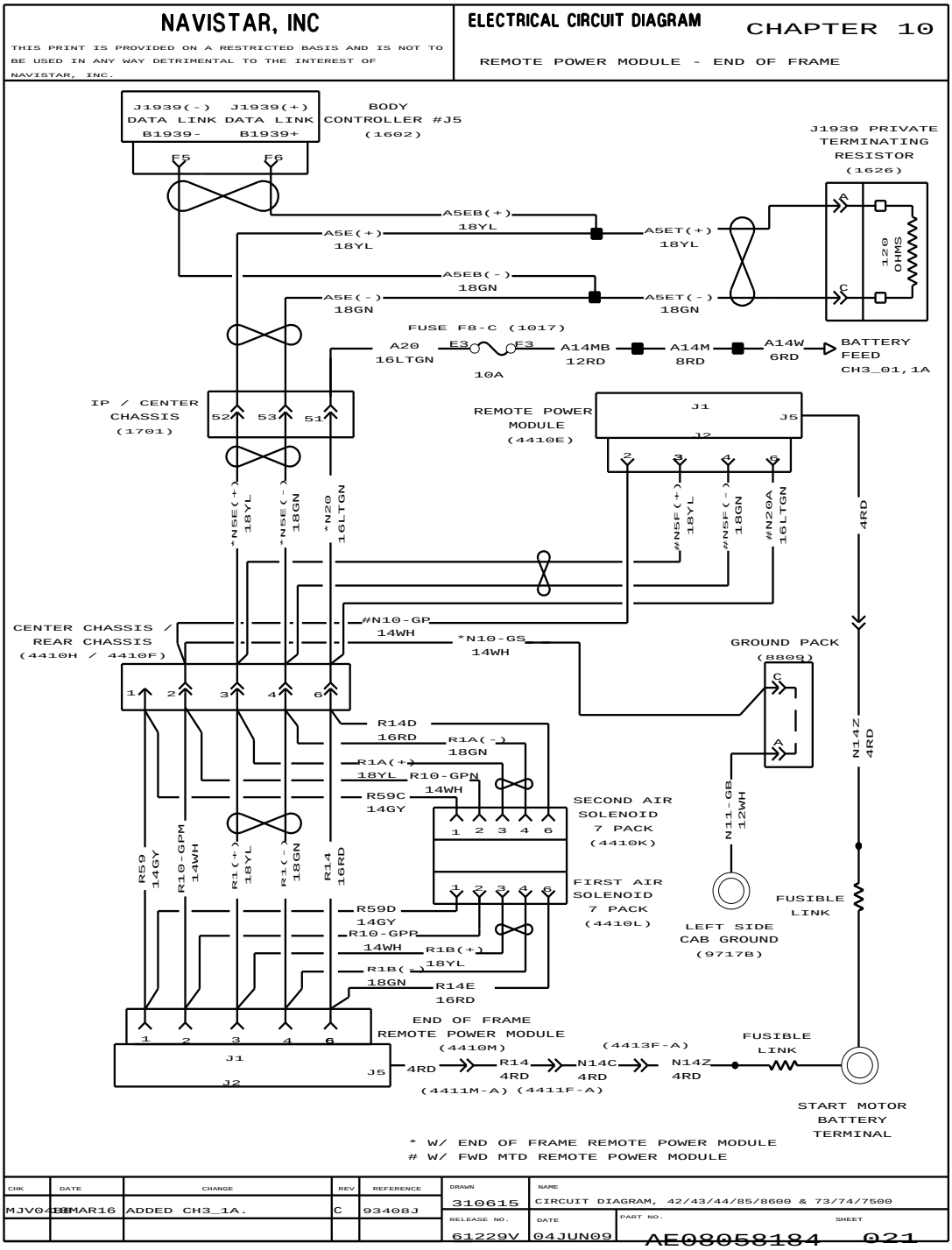

Figure 345 Remote Power Module – End of Frame

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10.37. REMOTE POWER MODULE END OF FRAME (CONT.), P. 21A

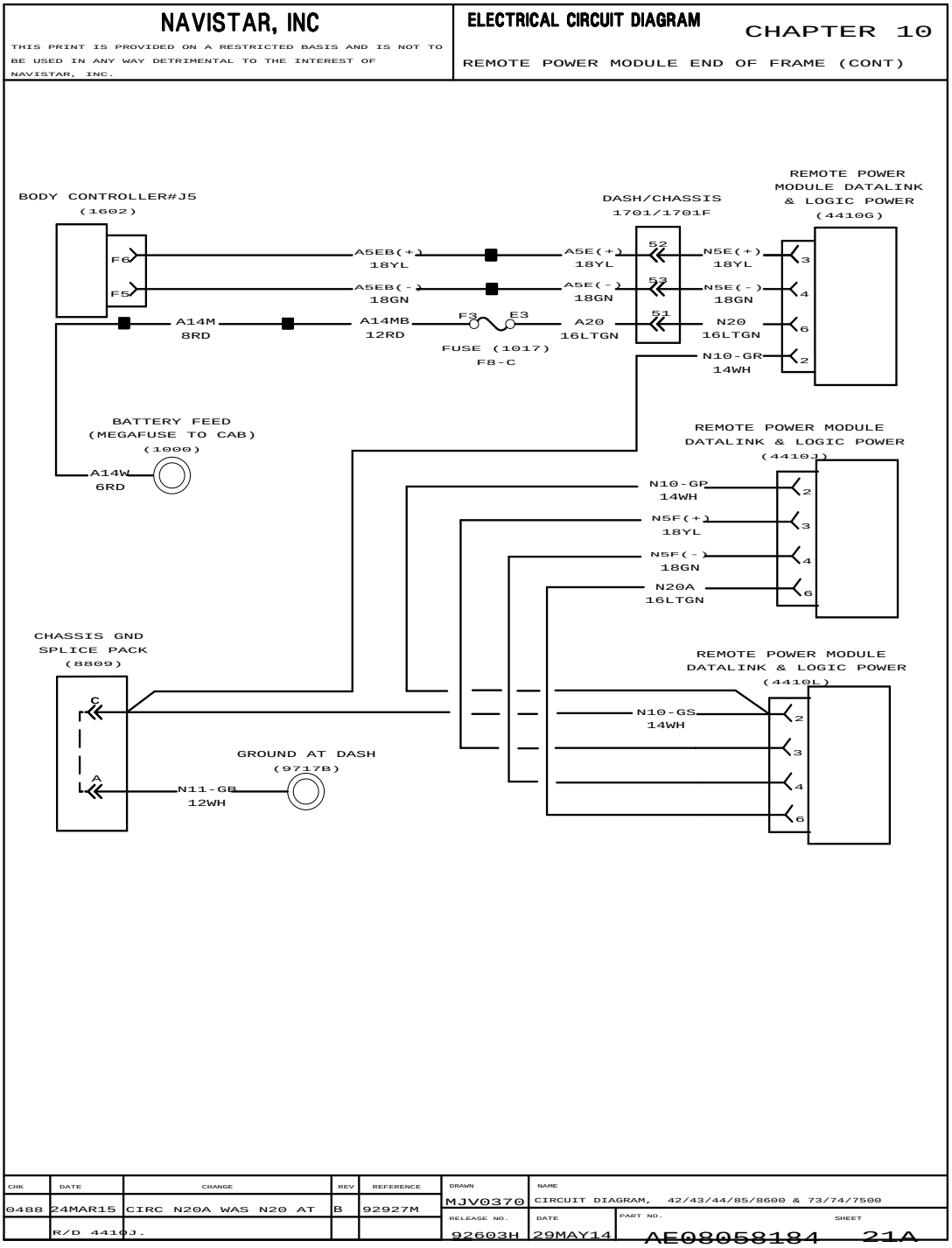

Figure 346 Remote Power Module End of Frame (Cont.)

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10.38. FUEL / WATER SEPARATOR, P. 22

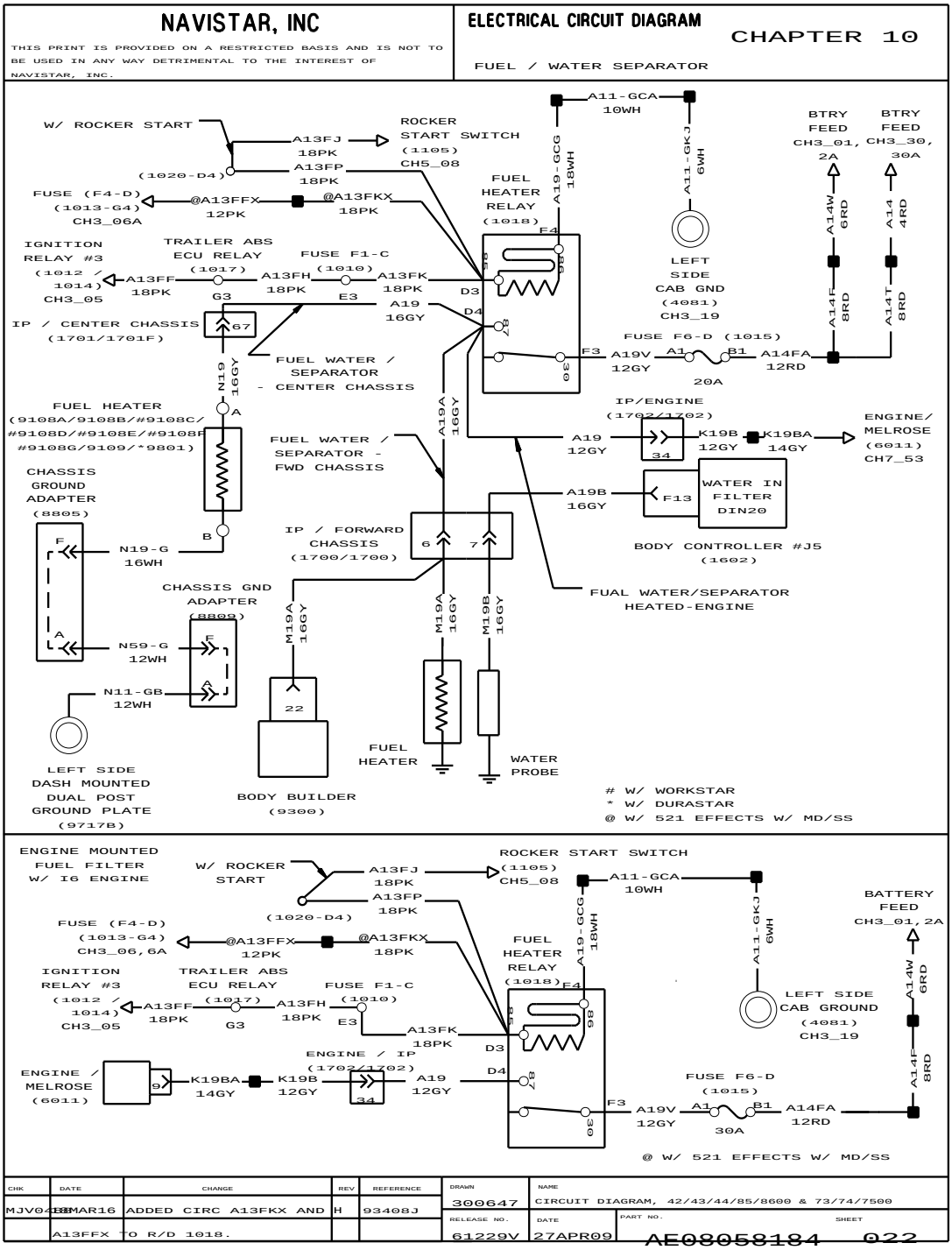

Figure 347 Fuel / Water Separator

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10.39. CUMMINS ISB FUEL / WATER SEPARATOR, P. 22A

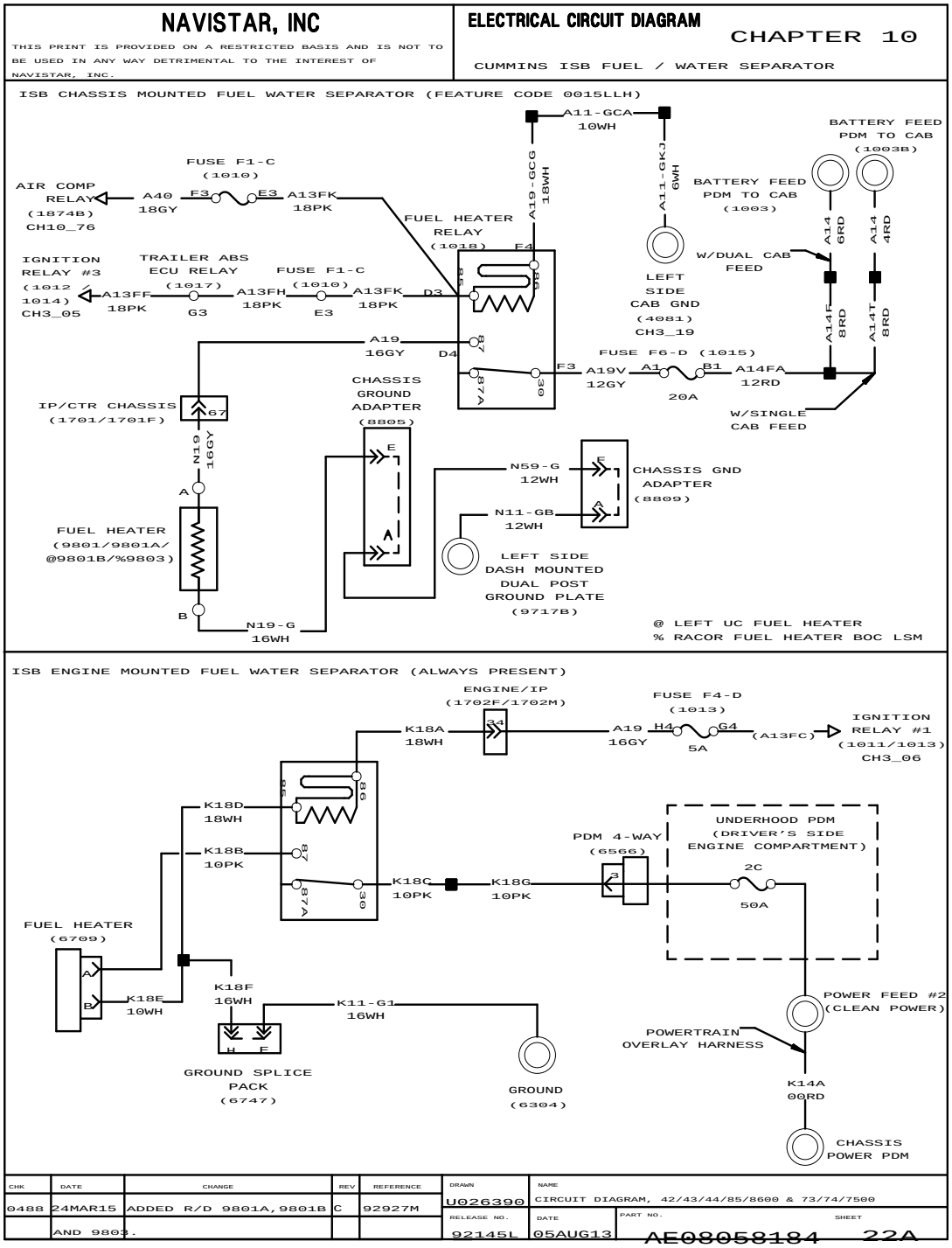

Figure 348 Cummins ISB Fuel / Water Separator

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10.40. ELECTRIC TRAILER BRAKE, P. 23

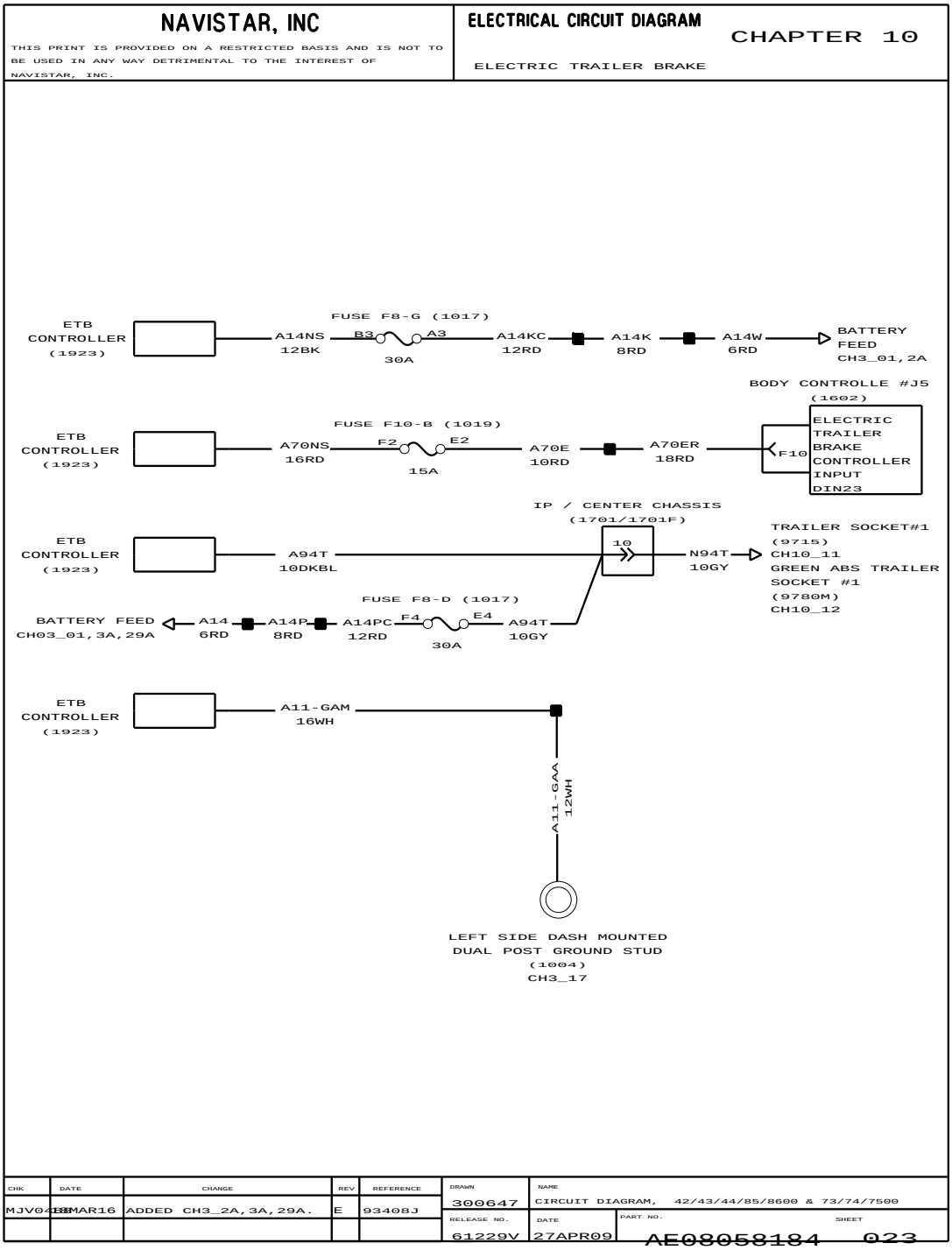

Figure 349 Electric Trailer Brake

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10.41. LECTRASHIFT ACCOMMODATION, P. 24

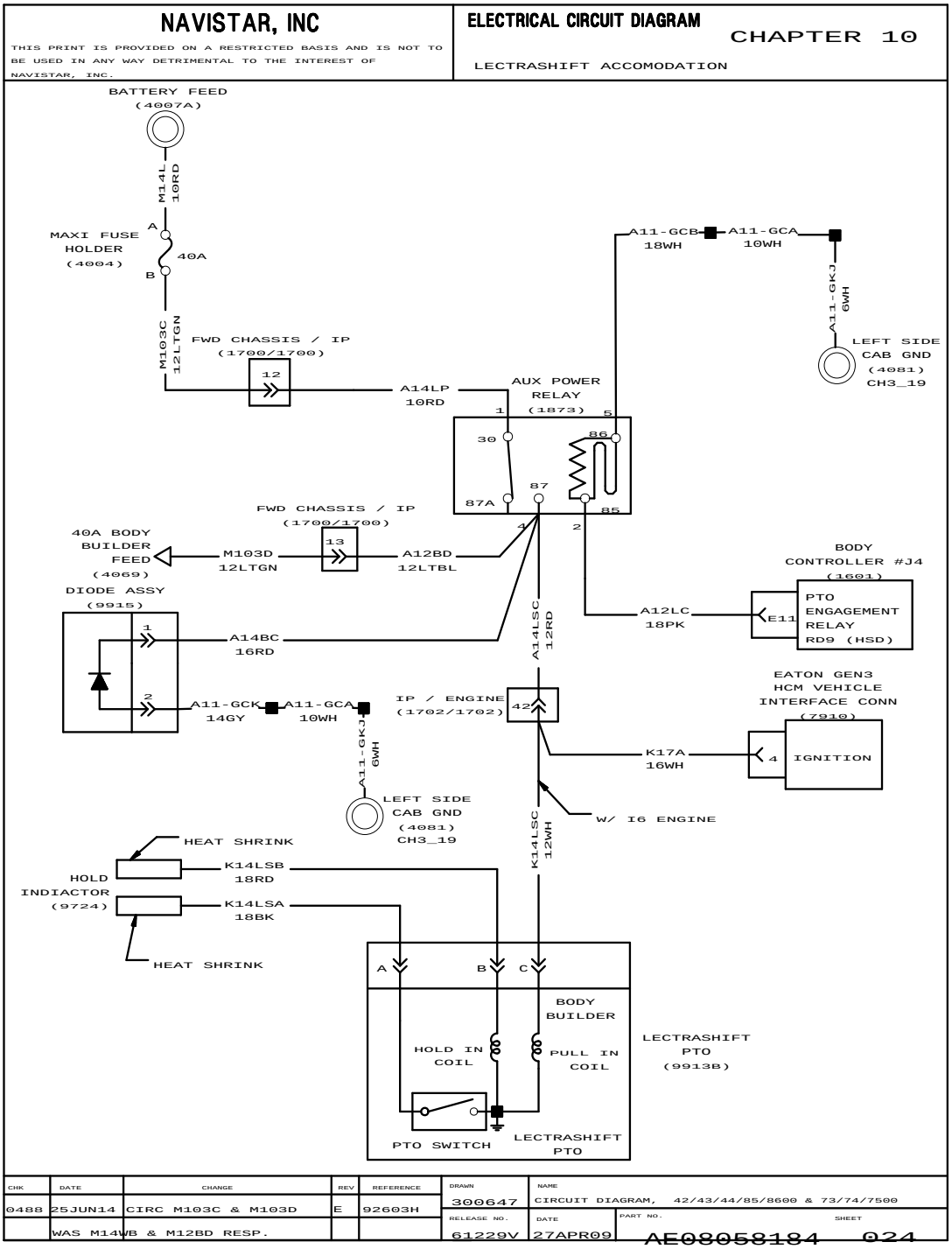

Figure 350 Lectrashift Accommodation

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10.42. HOUR METER – PTO, P. 25

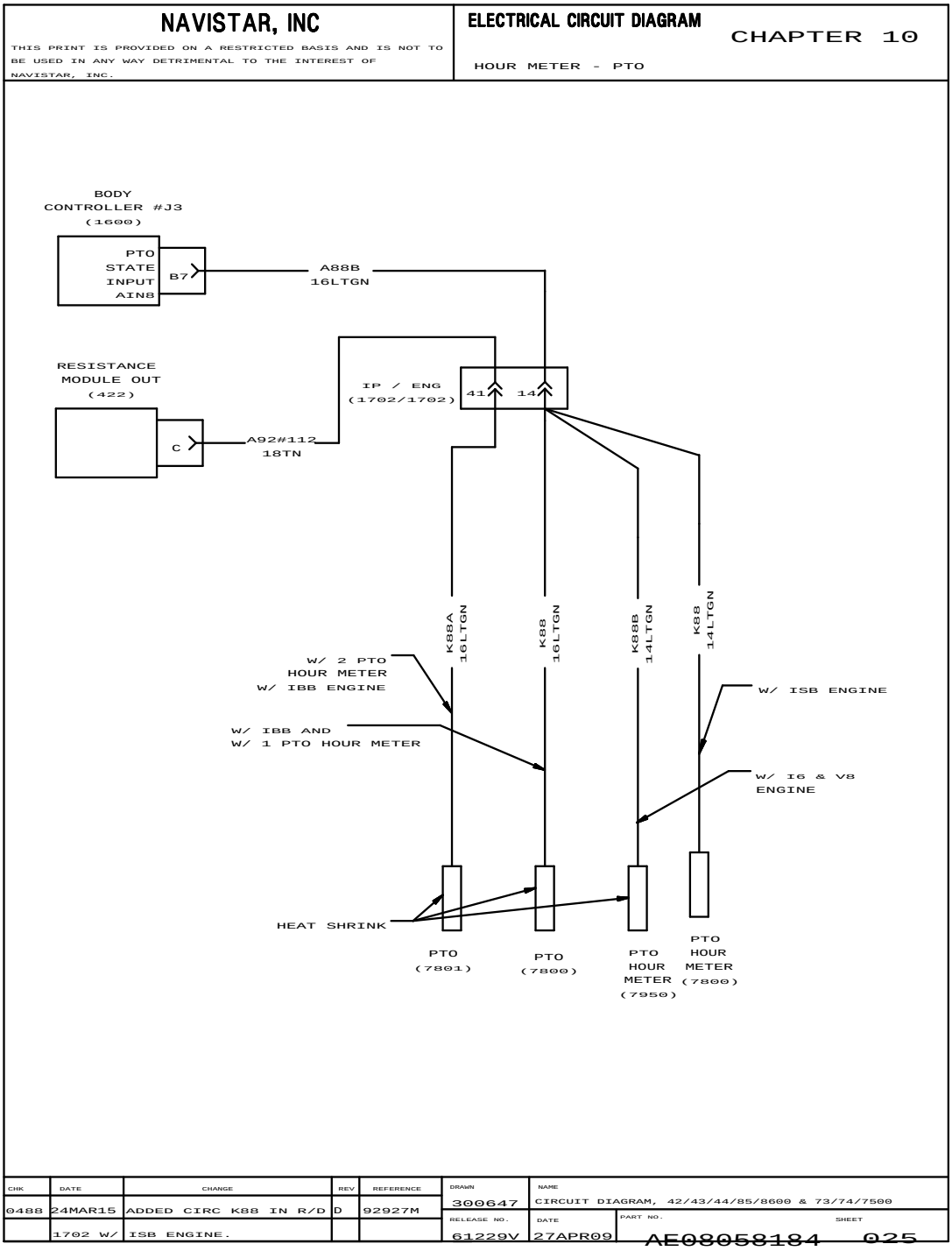

Figure 351 Hour Meter – PTO

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10.43. AUXILIARY INPUTS AND DRIVERS, P. 26

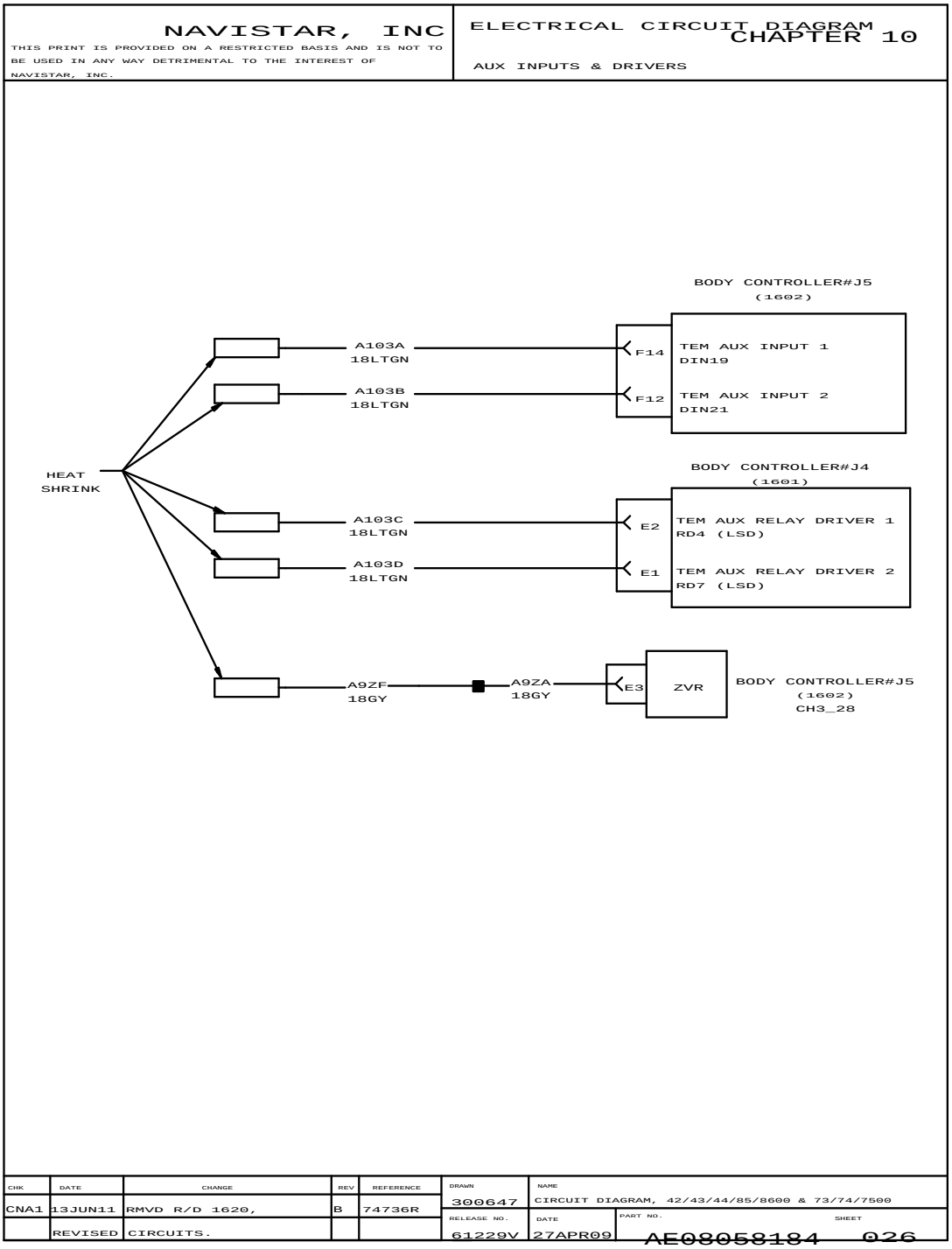

Figure 352 Auxiliary Inputs and Drivers

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10.44. FUEL TRANSFER PUMP, P. 27

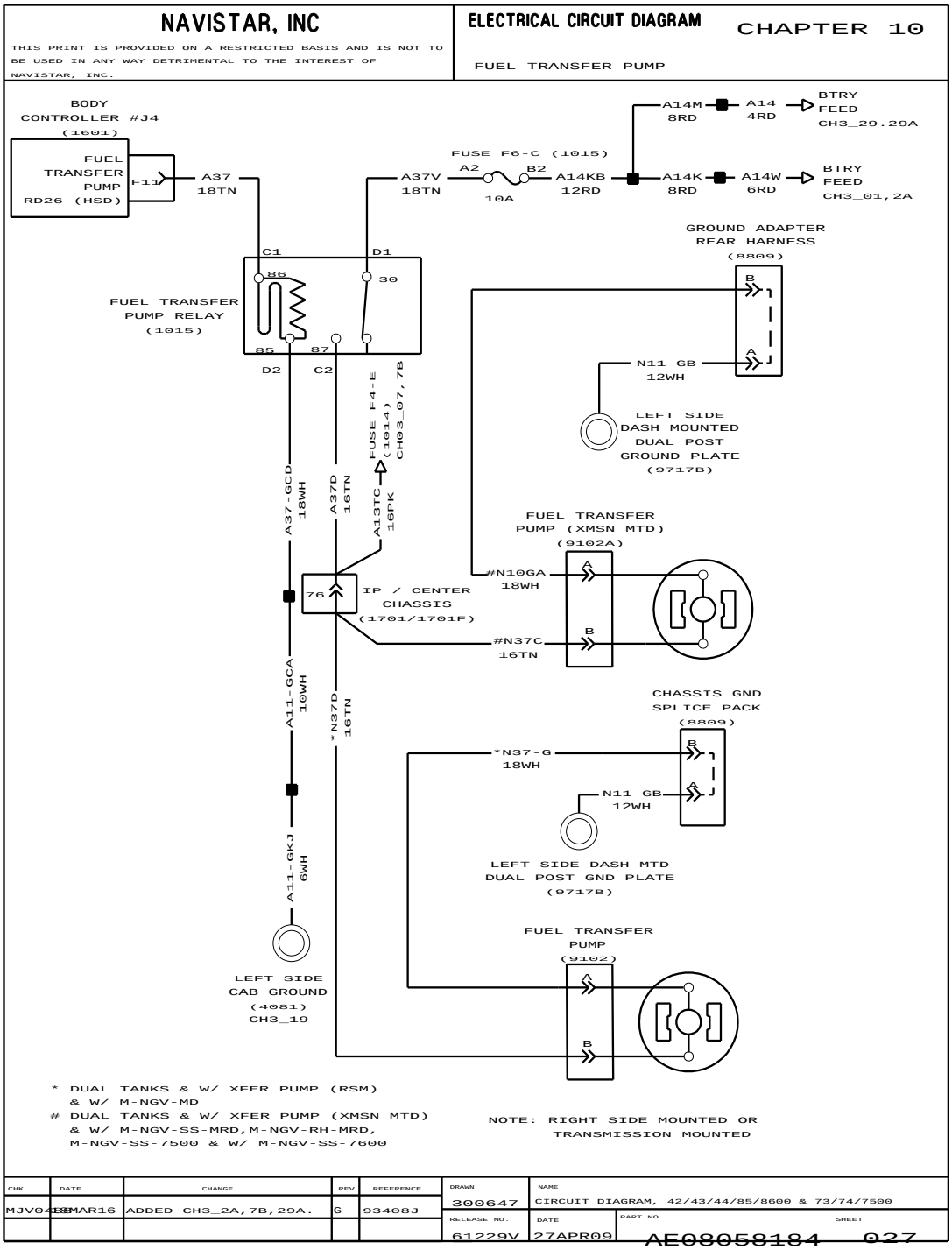

Figure 353 Fuel Transfer Pump

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10.45. POWER SOURCE, CUSTOMER INSTALLED LIFT GATE, P. 28

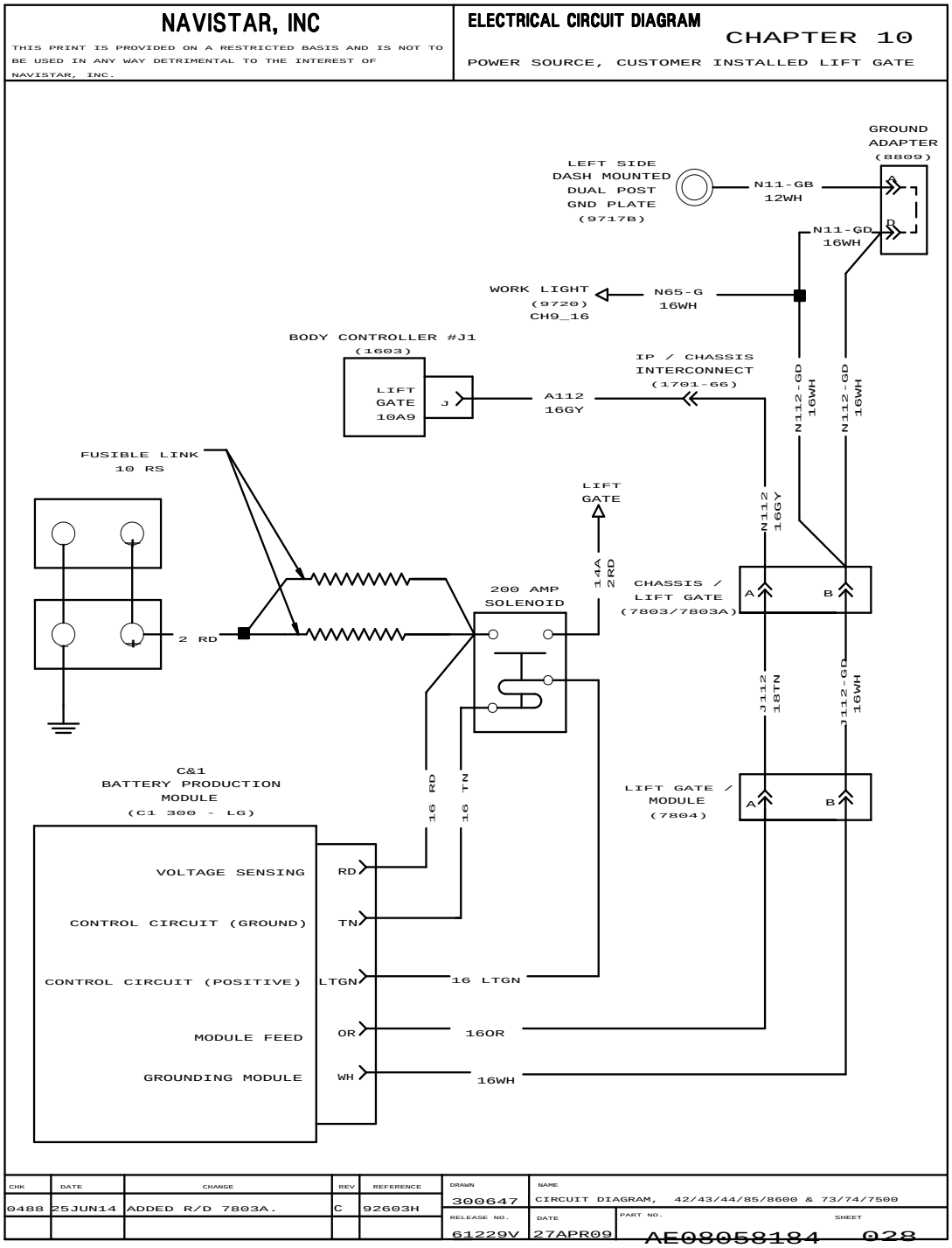

Figure 354 Power Source, Customer Installed Lift Gate

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10.46. WHEELCHAIR LIFT INTERLOCK, P. 29

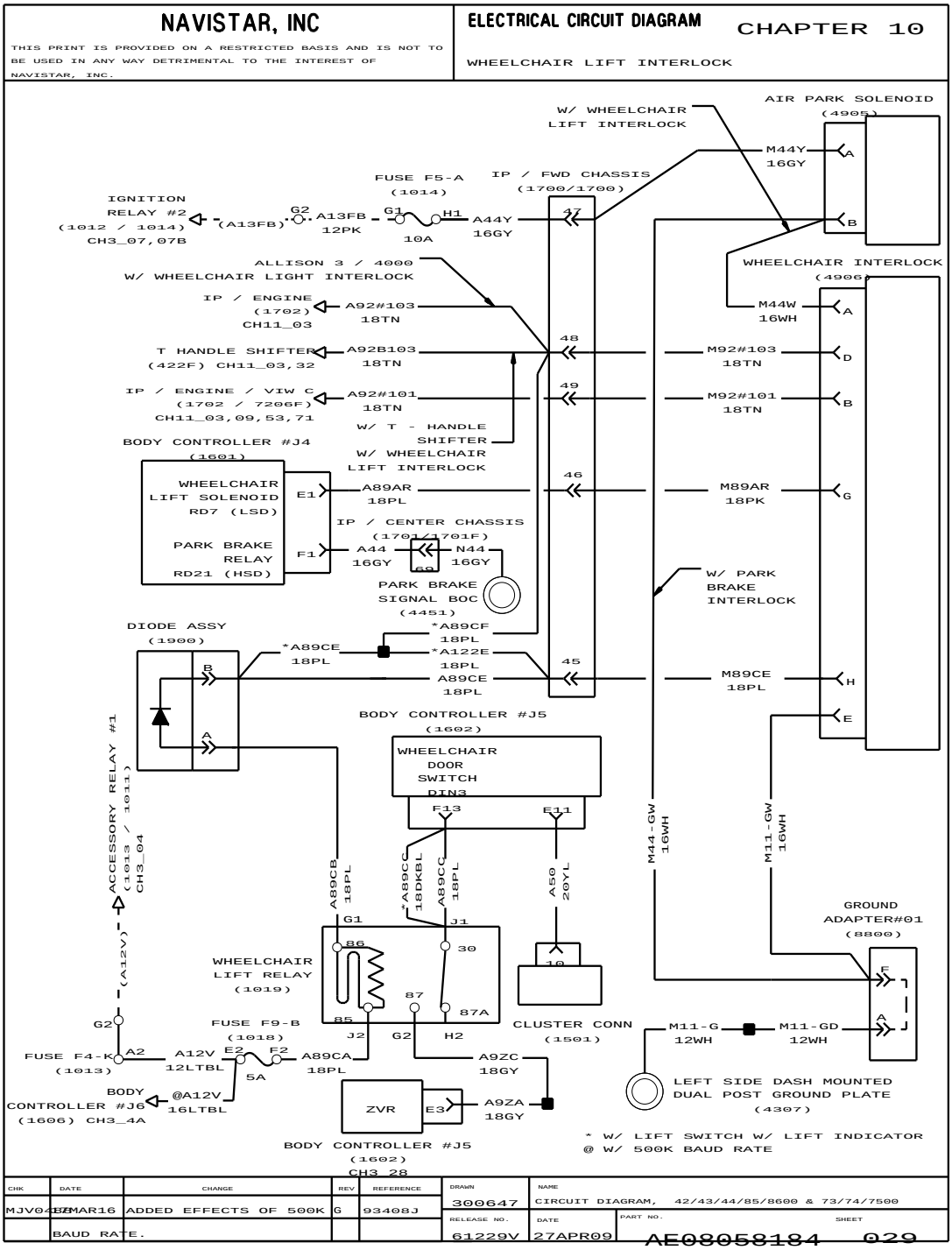

Figure 355 Wheelchair Lift Interlock

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10.47. WHEELCHAIR LIFT INTERLOCK (CONT.), P. 29A

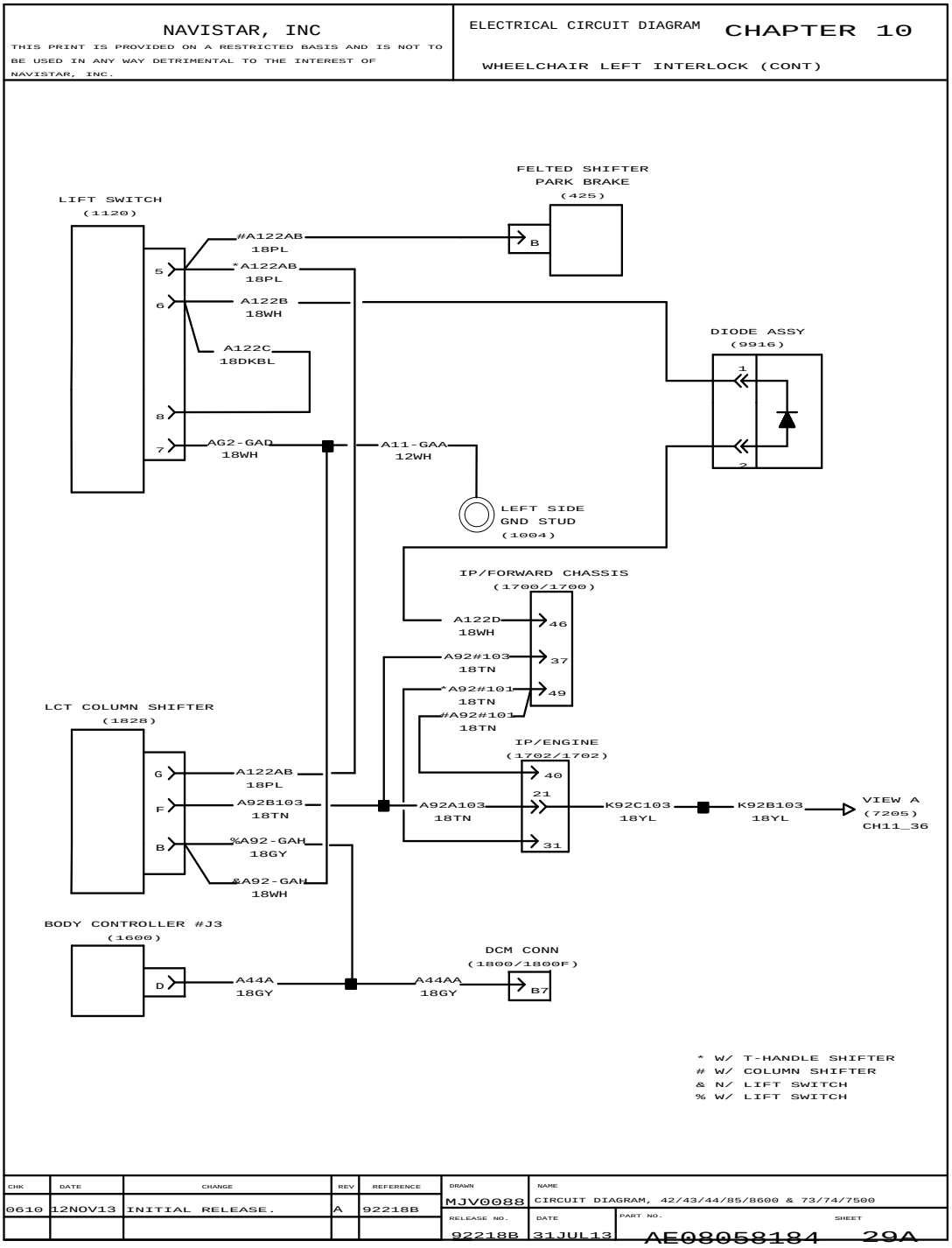

Figure 356 Wheelchair Lift Interlock (Cont.)

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10.48. LIFT AXLE WITH CONTROLS FOR ONE LIFT AXLE, P. 30

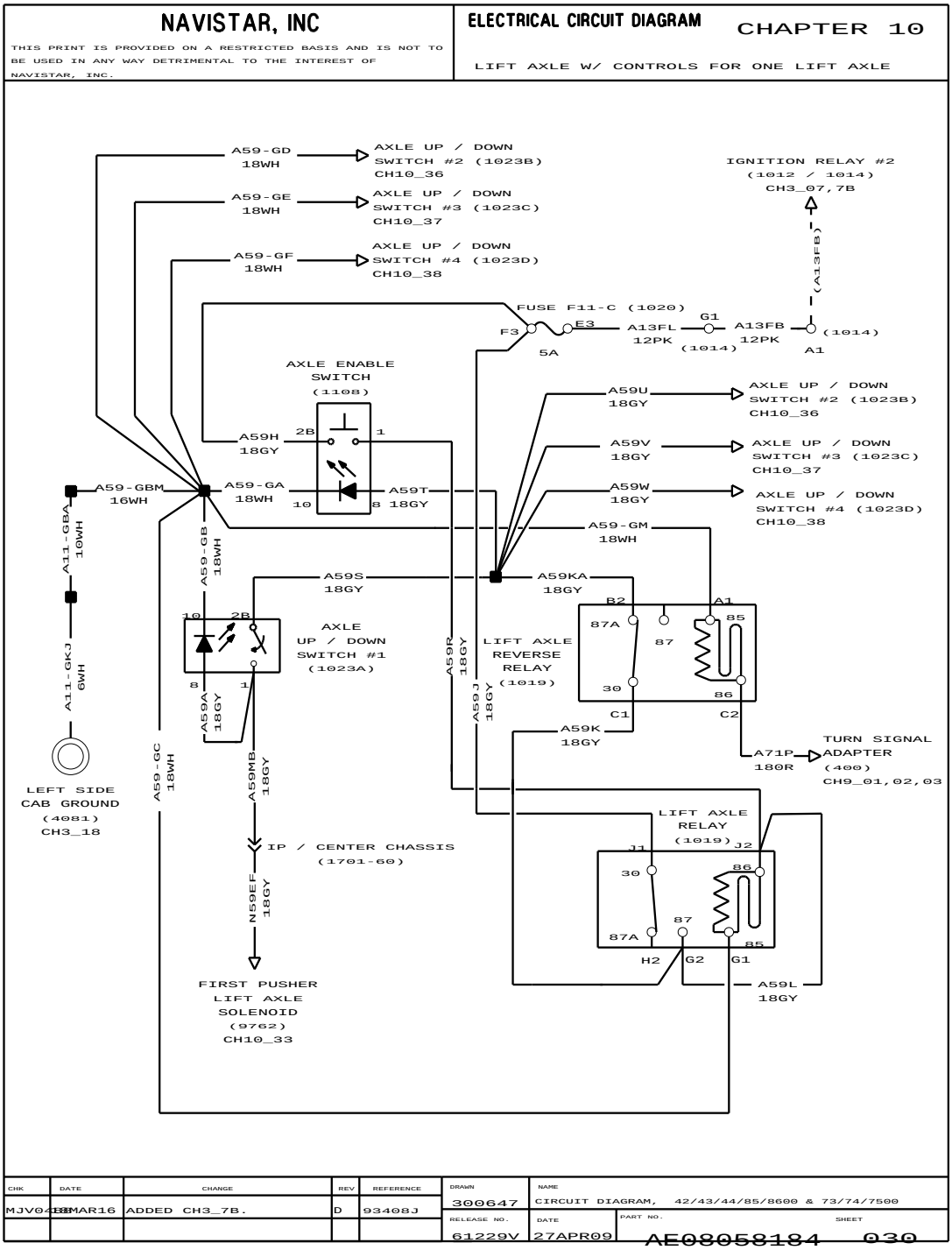

Figure 357 Lift Axle with Controls for One Lift Axle

https://truckmanualshub.com/

10.49. LIFT AXLE WITH CONTROLS FOR ONE LIFT AXLE (CONT.), P. 30A

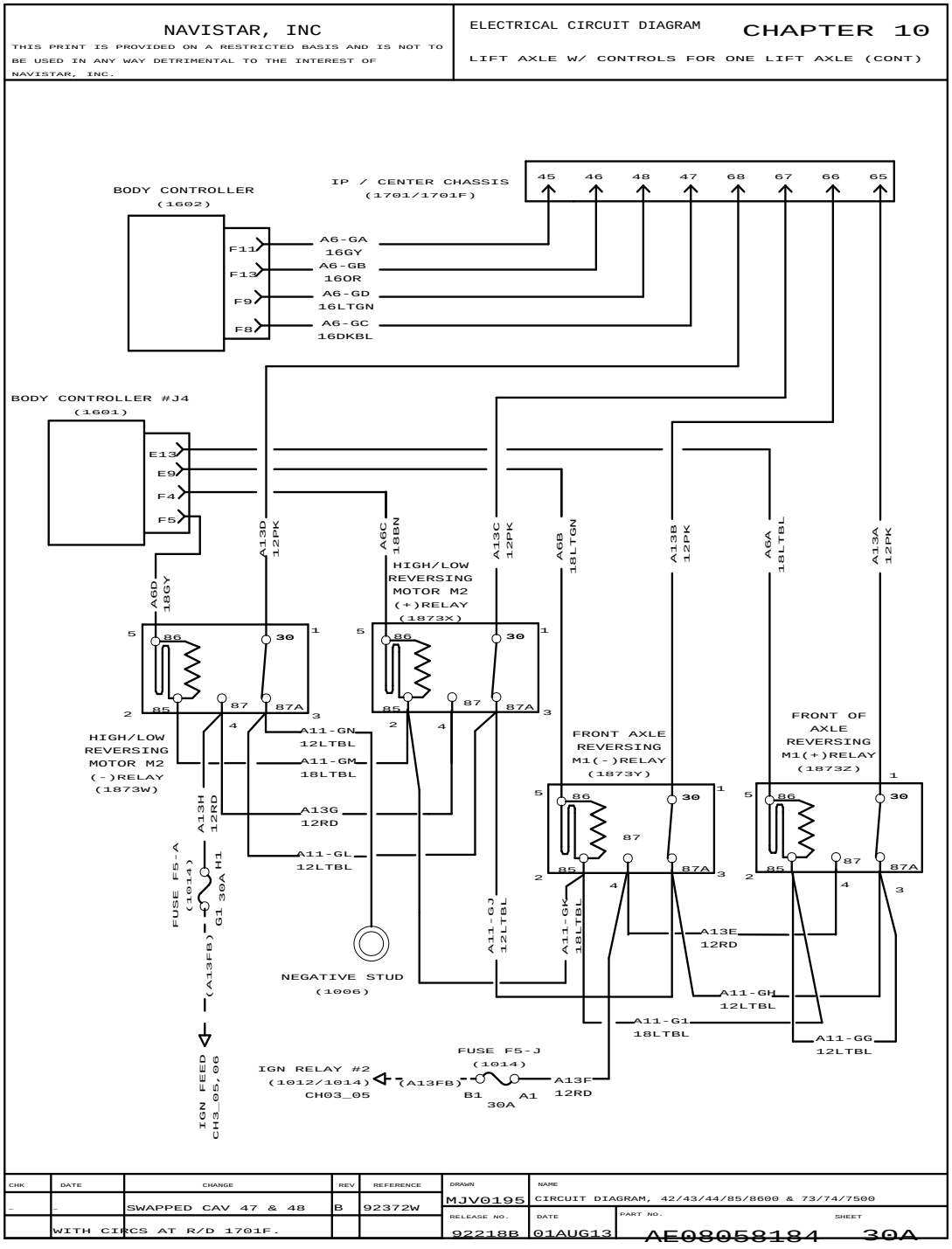

Figure 358 Lift Axle with Controls for One Lift Axle (Cont.)

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10.50. SPARE WIRING WITH LOAD DISCONNECT, P. 30B

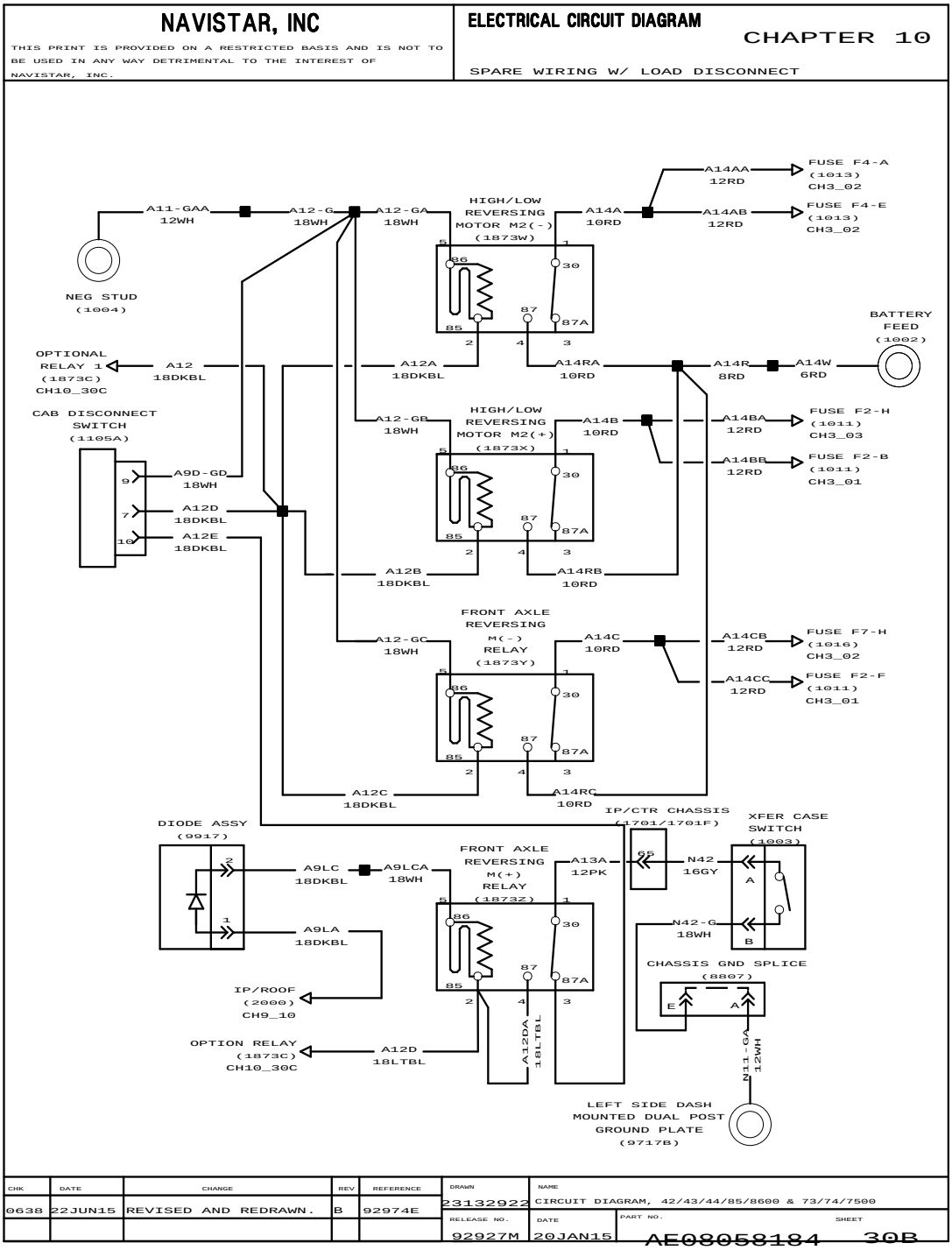

Figure 359 Spare Wiring with Load Disconnect

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10.51. SPARE WIRING WITH LOAD DISCONNECT (CONT.), P. 30C

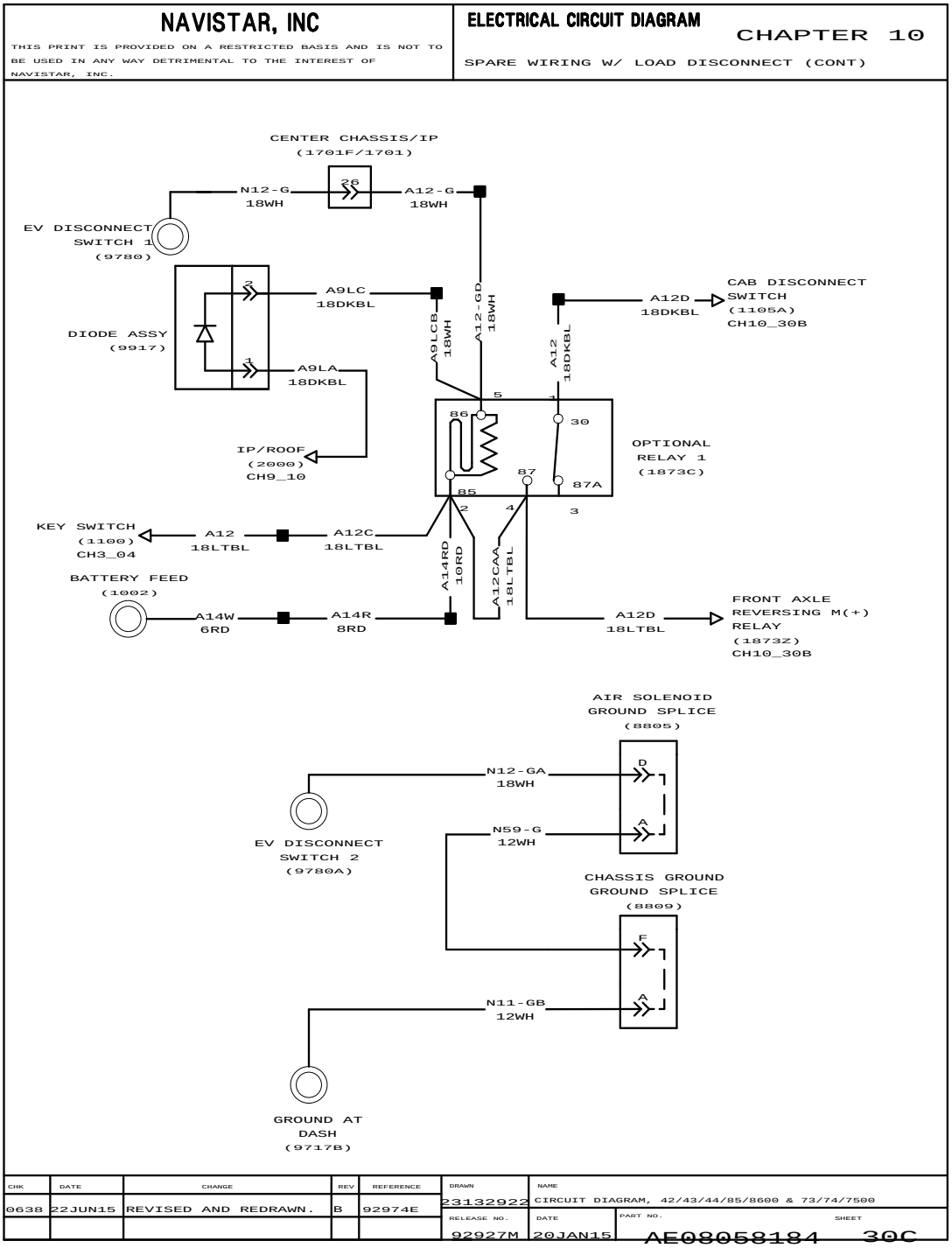


Figure 360 Spare Wiring with Load Disconnect (Cont.)

https://truckmanualshub.com/

10.52. LIFT AXLE (NON-STEERABLE), P. 31

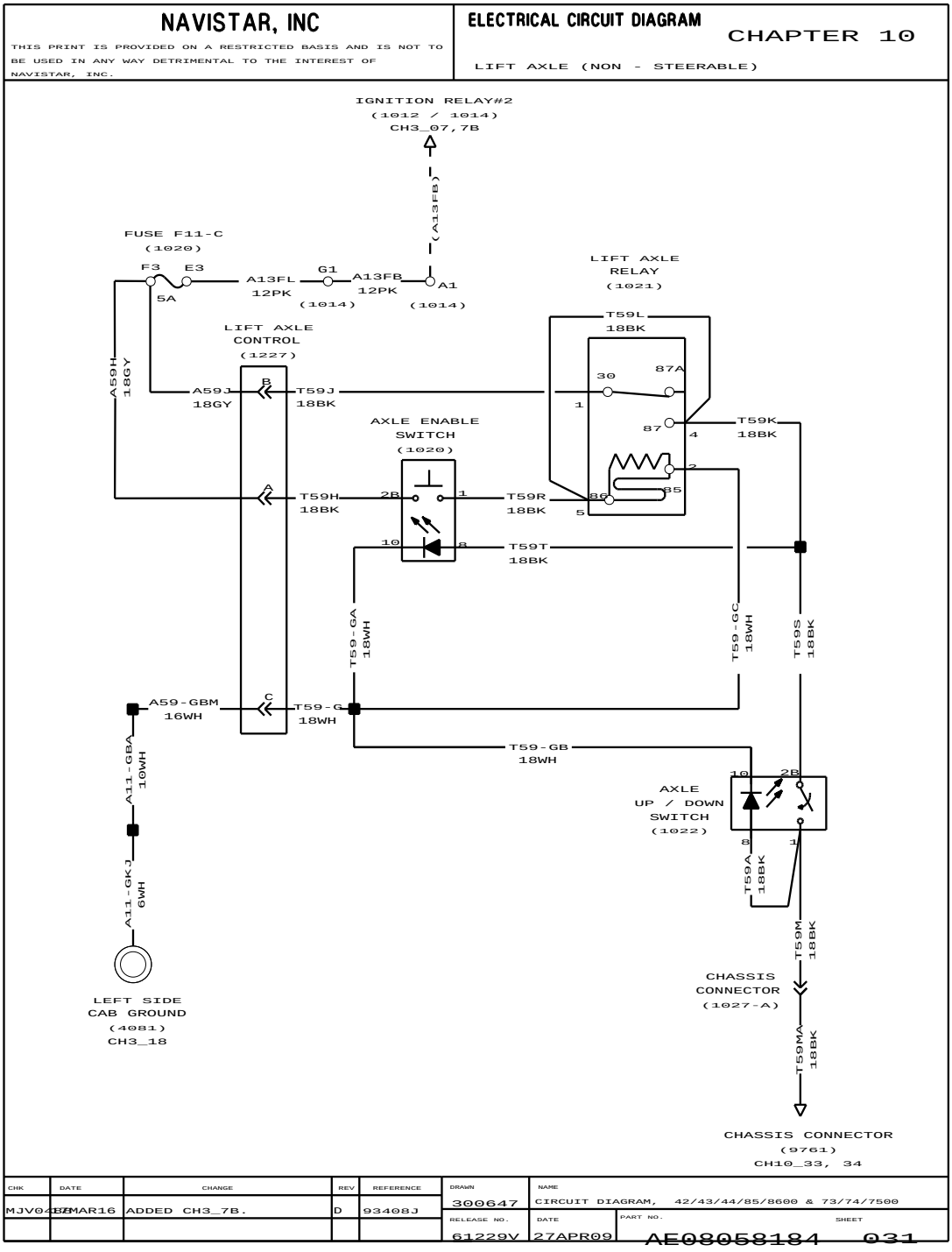


Figure 361 Lift Axle (Non-Steerable)

https://truckmanualshub.com/

10.53. LIFT AXLE (STEERABLE), P. 32

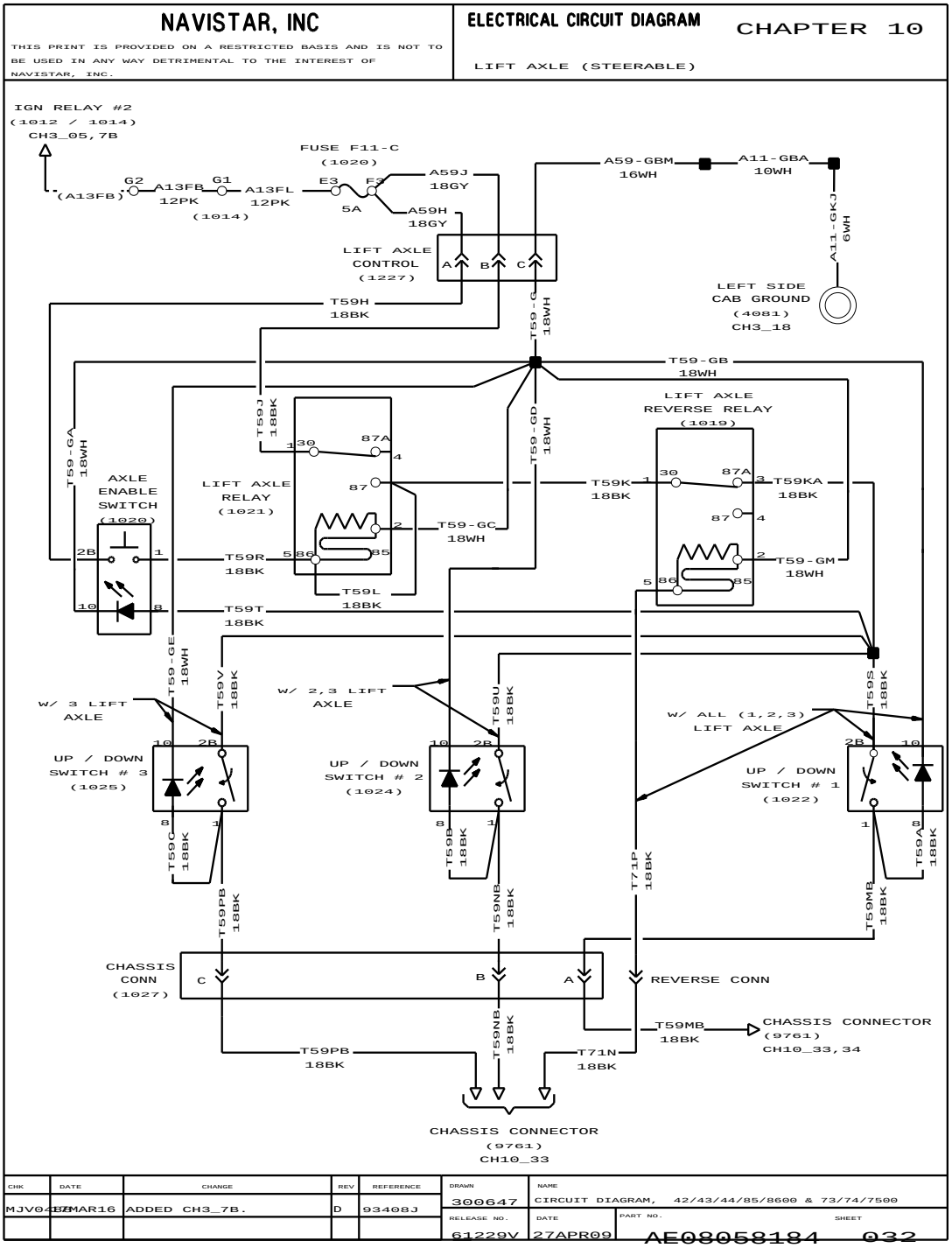


Figure 362 Lift Axle (Steerable)

https://truckmanualshub.com/

10.54. LIFT AXLE, P. 33

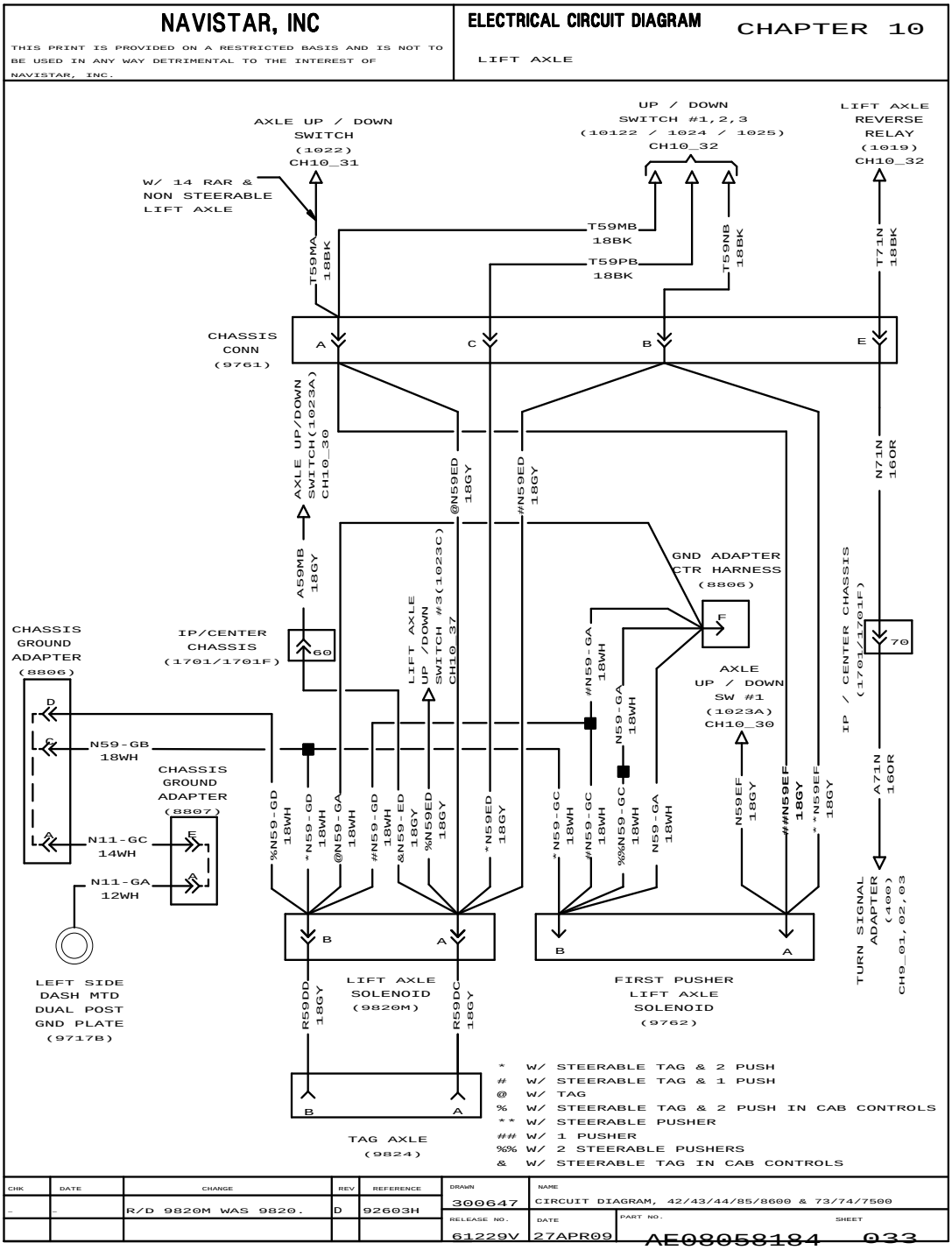


Figure 363 Lift Axle

https://truckmanualshub.com/

10.55. LIFT AXLE (CONT.), P. 34

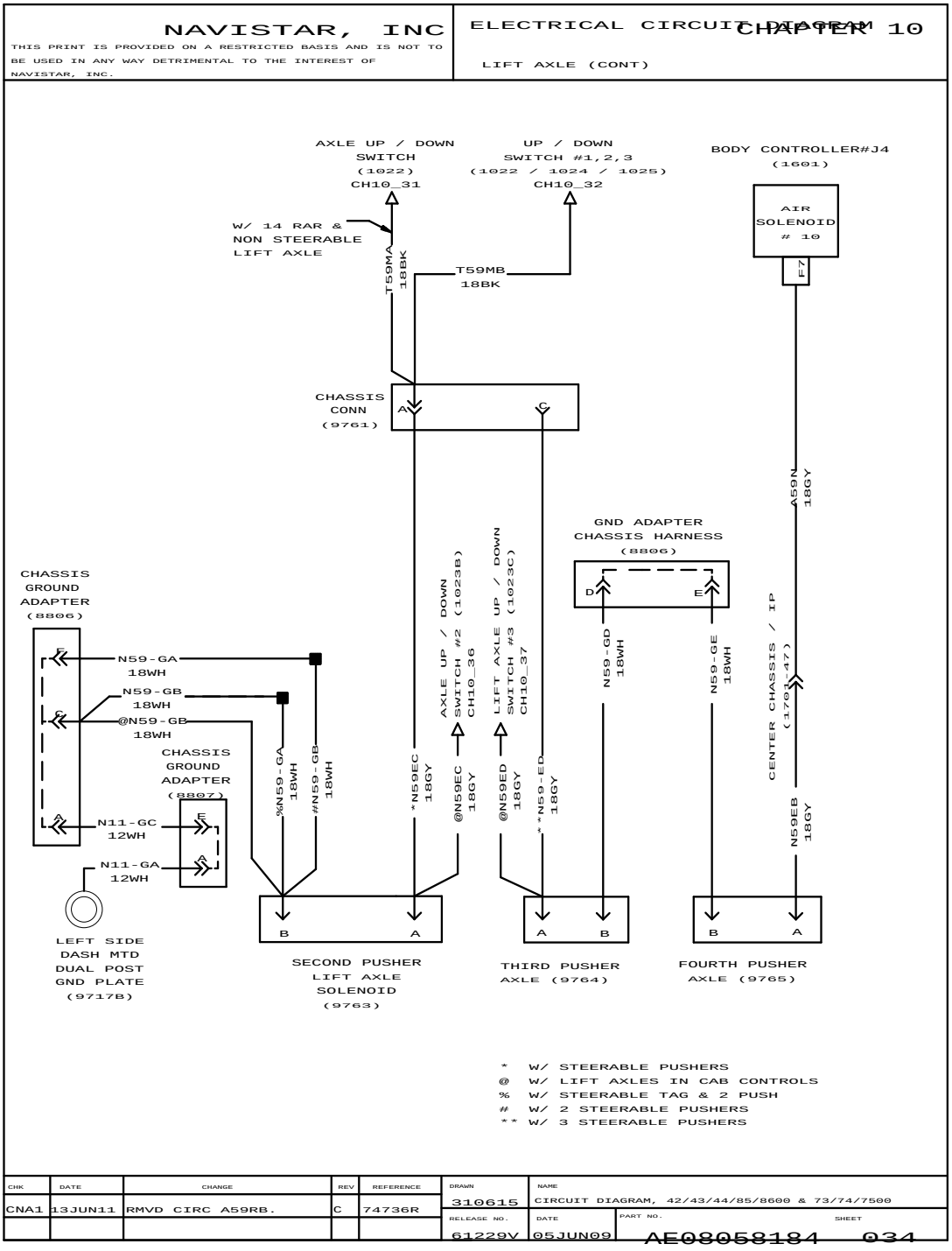
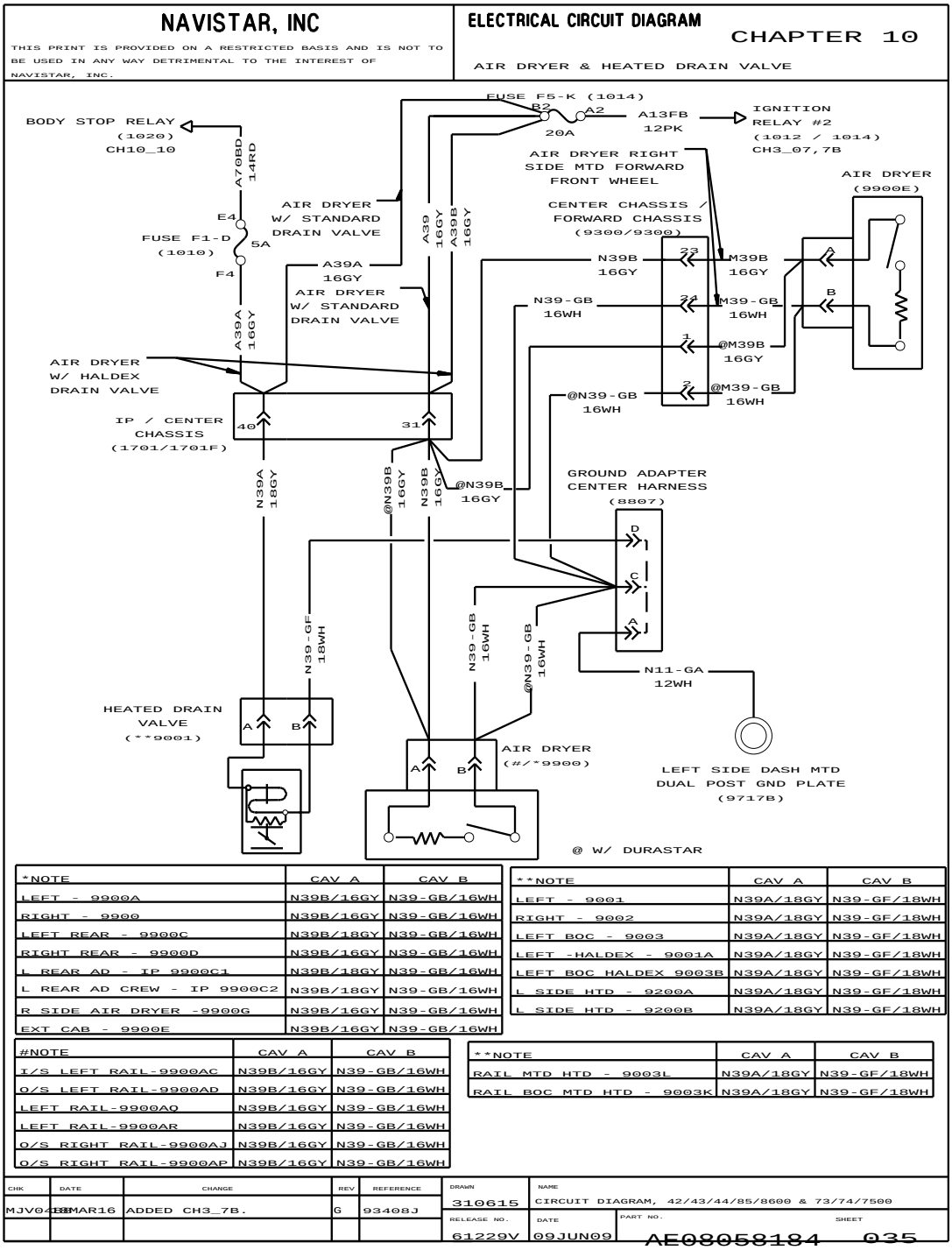


Figure 364 Lift Axle (Cont.)

https://truckmanualshub.com/

10.56. AIR DRYER AND HEATED DRAIN VALVE, P. 35



*NOTE	CAV A	CAV B
LEFT - 9900A	N39B/16GY	N39-GB/16WH
RIGHT - 9900	N39B/16GY	N39-GB/16WH
LEFT REAR - 9900C	N39B/18GY	N39-GB/16WH
RIGHT REAR - 9900D	N39B/16GY	N39-GB/16WH
L REAR AD - IP 9900C1	N39B/18GY	N39-GB/16WH
L REAR AD CREW - IP 9900C2	N39B/18GY	N39-GB/16WH
R SIDE AIR DRYER -9900G	N39B/16GY	N39-GB/16WH
EXT CAB - 9900E	N39B/16GY	N39-GB/16WH

**NOTE	CAV A	CAV B
LEFT - 9001	N39A/18GY	N39-GF/18WH
RIGHT - 9002	N39A/18GY	N39-GF/18WH
LEFT BOC - 9003	N39A/18GY	N39-GF/18WH
LEFT -HALDEX - 9001A	N39A/18GY	N39-GF/18WH
LEFT BOC HALDEX 9003B	N39A/18GY	N39-GF/18WH
L SIDE HTD - 9200A	N39A/18GY	N39-GF/18WH
L SIDE HTD - 9200B	N39A/18GY	N39-GF/18WH

#NOTE	CAV A	CAV B
I/S LEFT RAIL-9900AC	N39B/16GY	N39-GB/16WH
O/S LEFT RAIL-9900AD	N39B/16GY	N39-GB/16WH
LEFT RAIL-9900AQ	N39B/16GY	N39-GB/16WH
LEFT RAIL-9900AR	N39B/16GY	N39-GB/16WH
O/S RIGHT RAIL-9900AJ	N39B/16GY	N39-GB/16WH
O/S RIGHT RAIL-9900AP	N39B/16GY	N39-GB/16WH

**NOTE	CAV A	CAV B
RAIL MTD HTD - 9003L	N39A/18GY	N39-GF/18WH
RAIL BOC MTD HTD - 9003K	N39A/18GY	N39-GF/18WH

CHK	DATE	CHANGE	REV	REFERENCE
MJV04	08MAR16	ADDED CH3_7B.	G	93408J

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058184
SHEET 035

Figure 365 Air Dryer and Heated Drain Valve

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10.57. LIFT AXLE WITH CONTROLS FOR TWO LIFT AXLES, P. 36

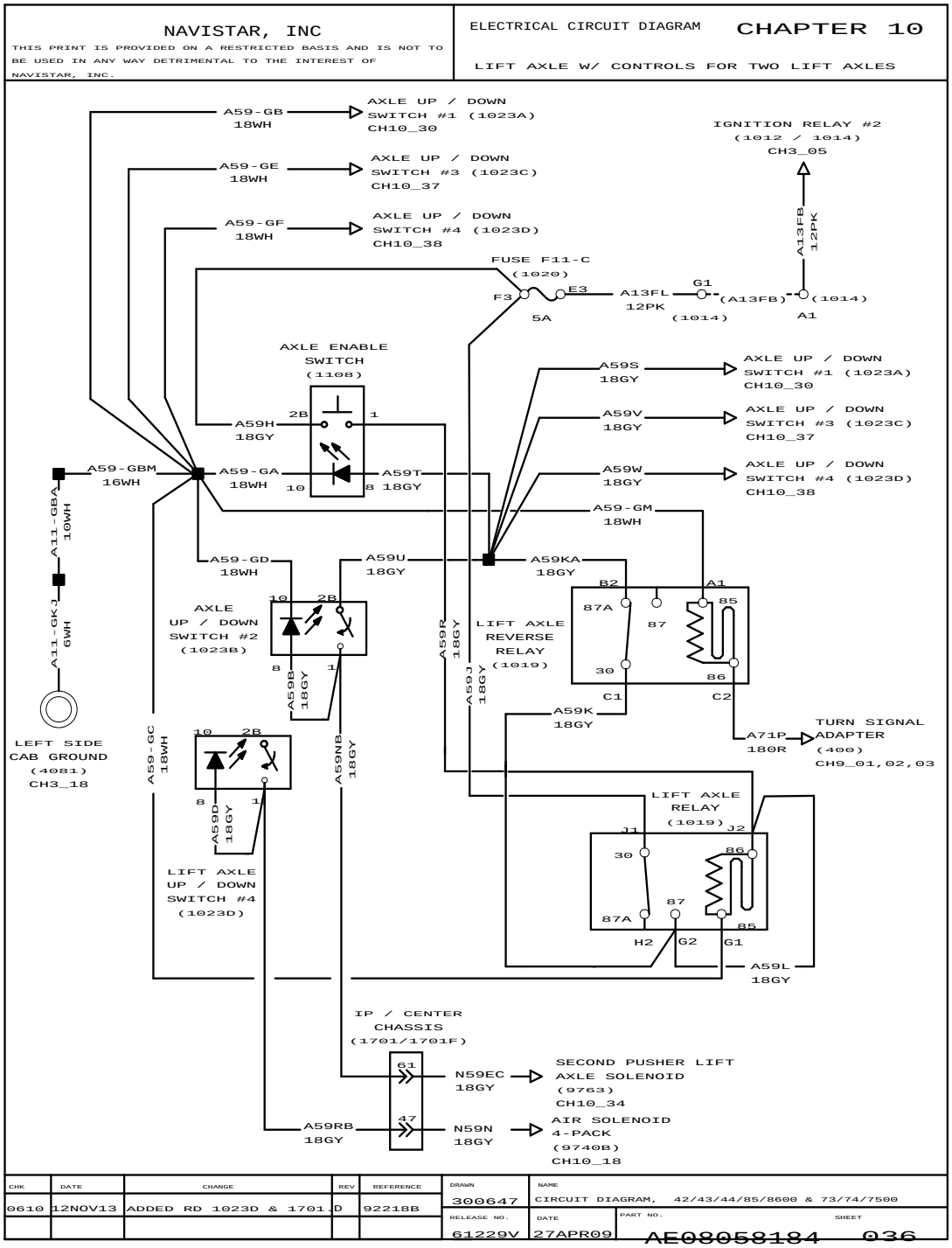

Figure 366 Lift Axle with Controls for Two Lift Axles

https://truckmanualshub.com/

10.58. LIFT AXLES WITH CONTROLS FOR THREE LIFT AXLES, P. 37

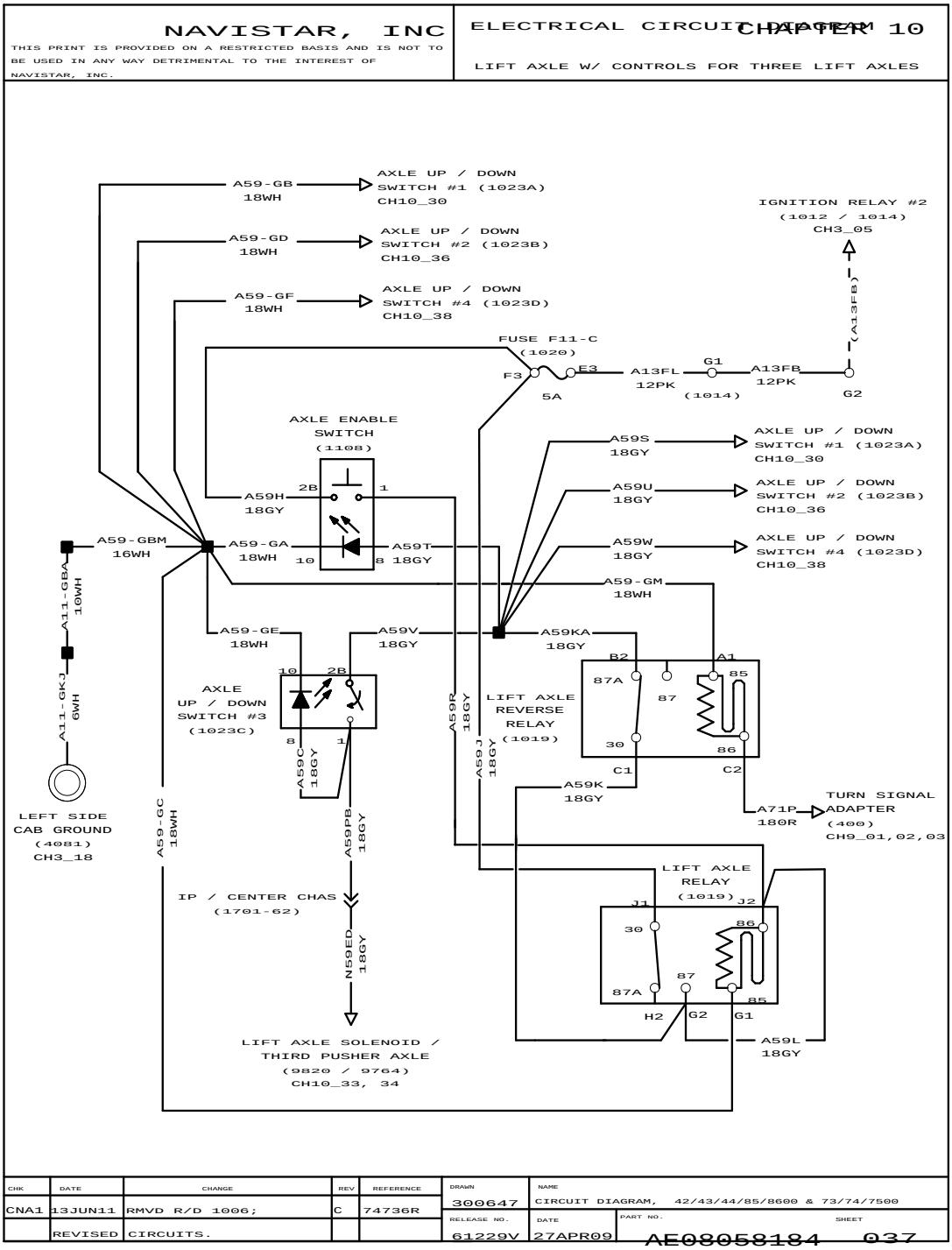

Figure 367 Lift Axles with Controls for Three Lift Axles

https://truckmanualshub.com/

10.59. LIFT AXLES WITH CONTROLS FOR FOUR LIFT AXLES, P. 38

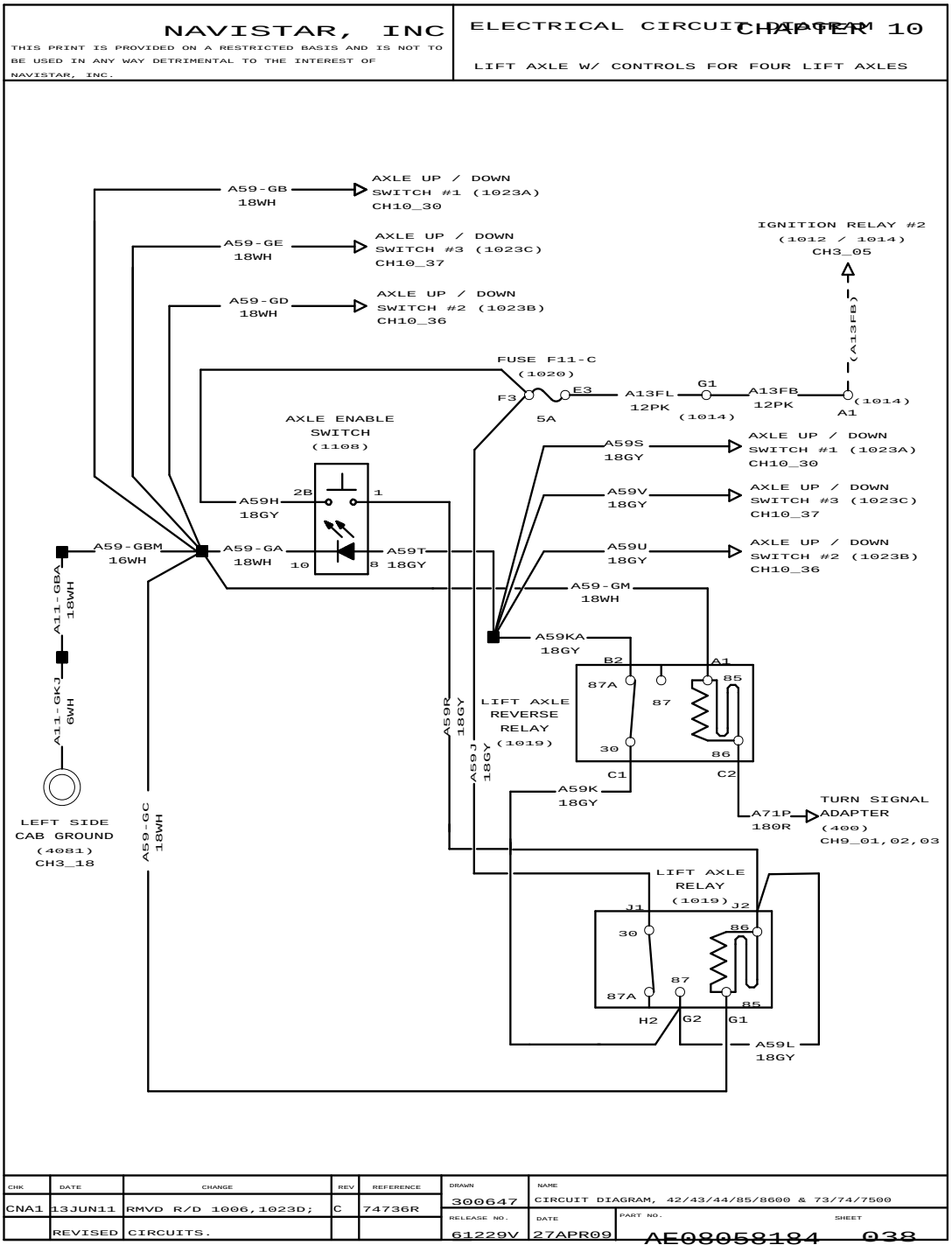

Figure 368 Lift Axles with Controls for Four Lift Axles

https://truckmanualshub.com/

10.60. ABS ROLL OVER STABILITY, P. 39

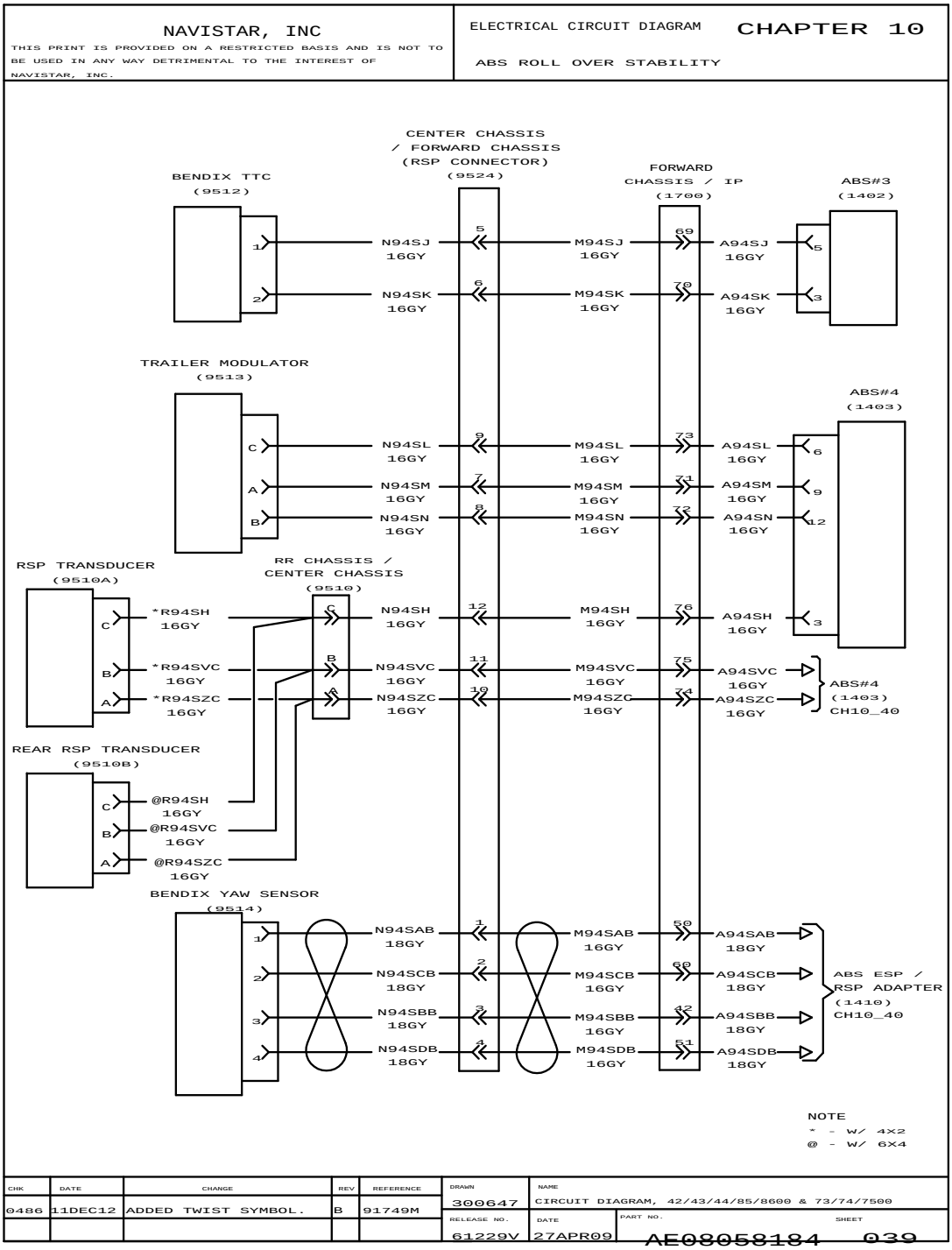

Figure 369 ABS Roll Over Stability

https://truckmanualshub.com/

10.61. ABS ROLL OVER STABILITY (CONT.), P. 40

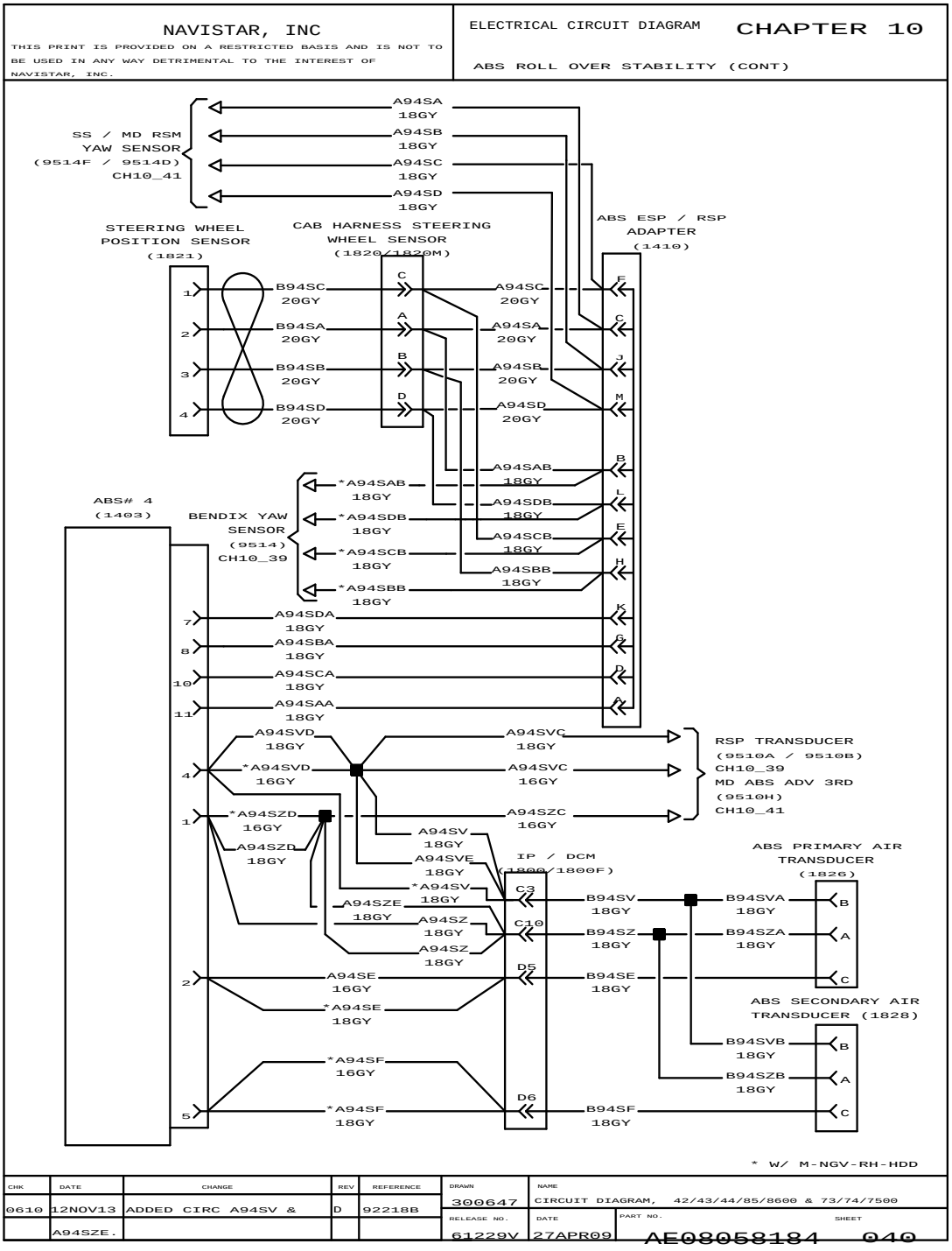

Figure 370 ABS Roll Over Stability (Cont.)

https://truckmanualshub.com/

10.62. ABS – BENDIX AIR, P. 41

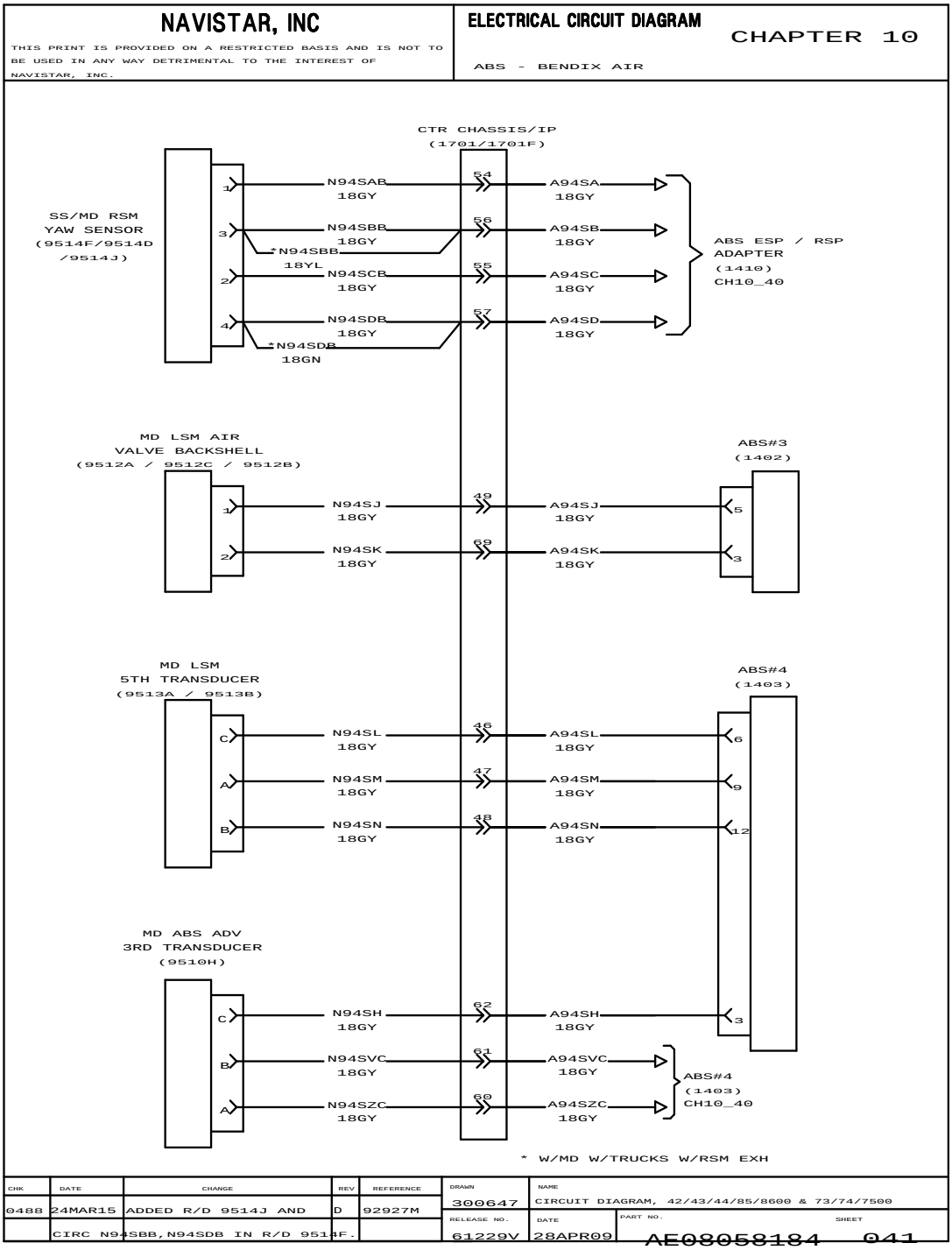

Figure 371 ABS – Bendix Air

https://truckmanualshub.com/

10.63. ABS – BENDIX AIR (CONT.), P. 41A

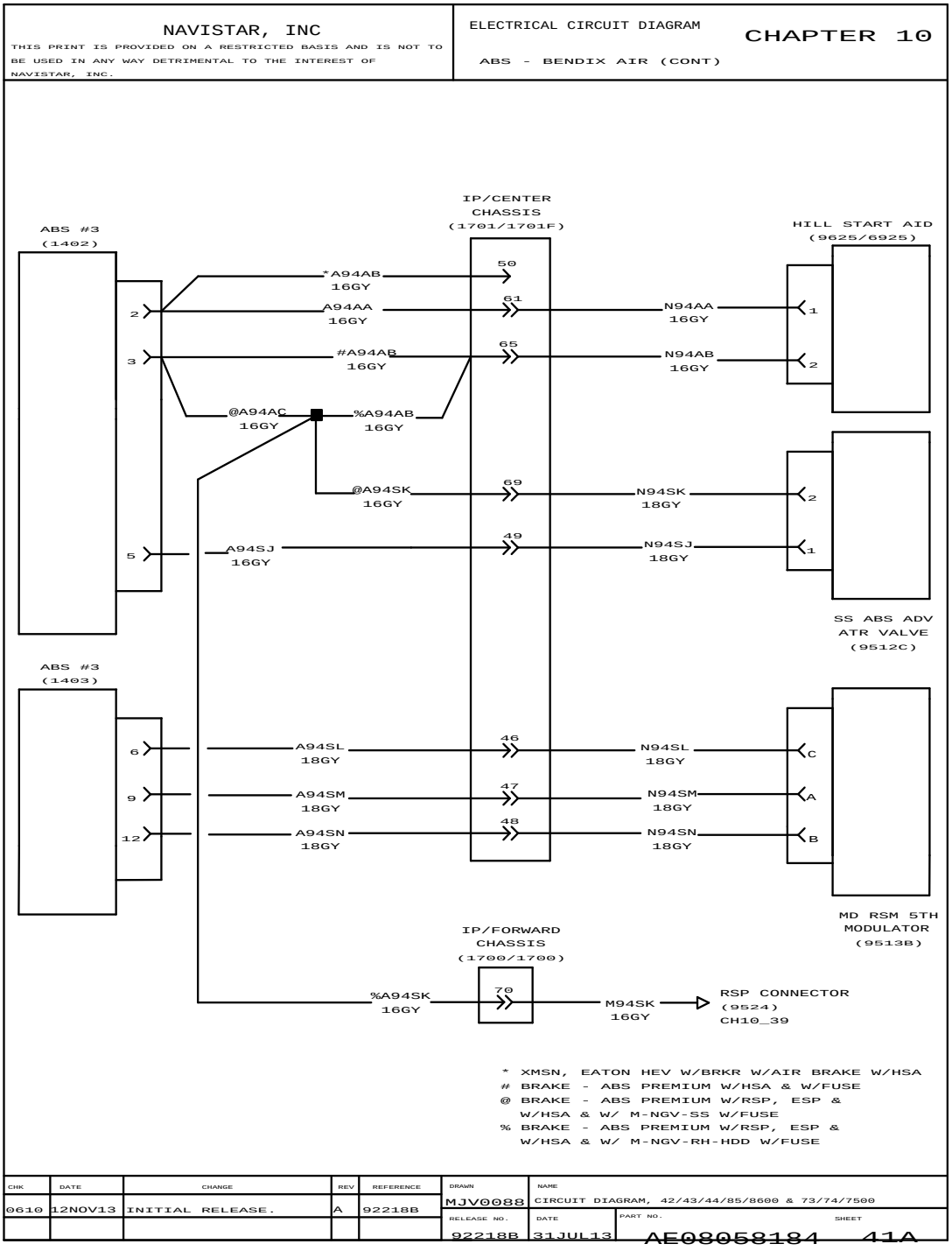

Figure 372 ABS – Bendix Air (Cont.)

https://truckmanualshub.com/

10.64. TRANSFER CASE EFFECTS, P. 42

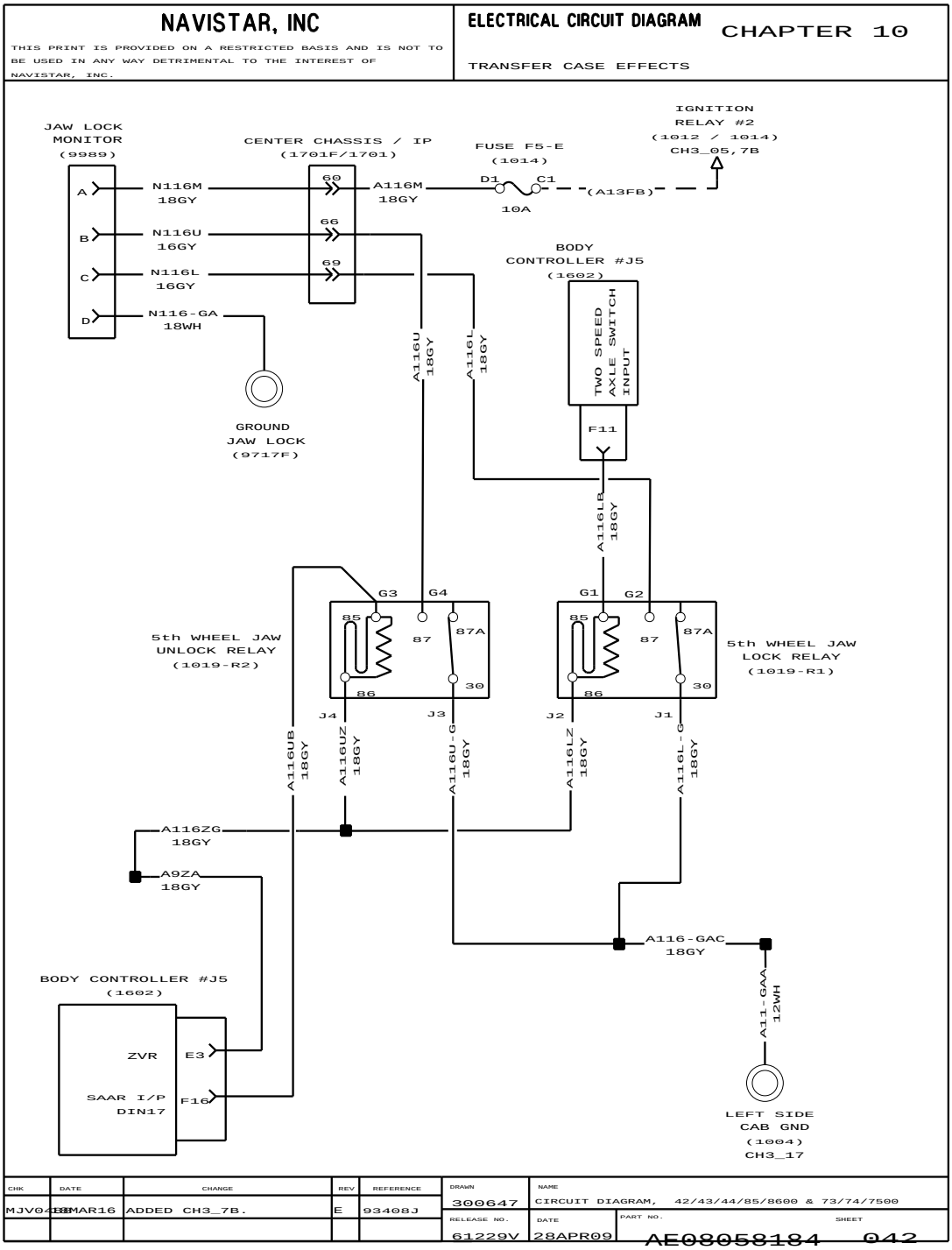

Figure 373 Transfer Case Effects

https://truckmanualshub.com/

10.65. TRANSFER CASE EFFECTS (CONT.), P. 43

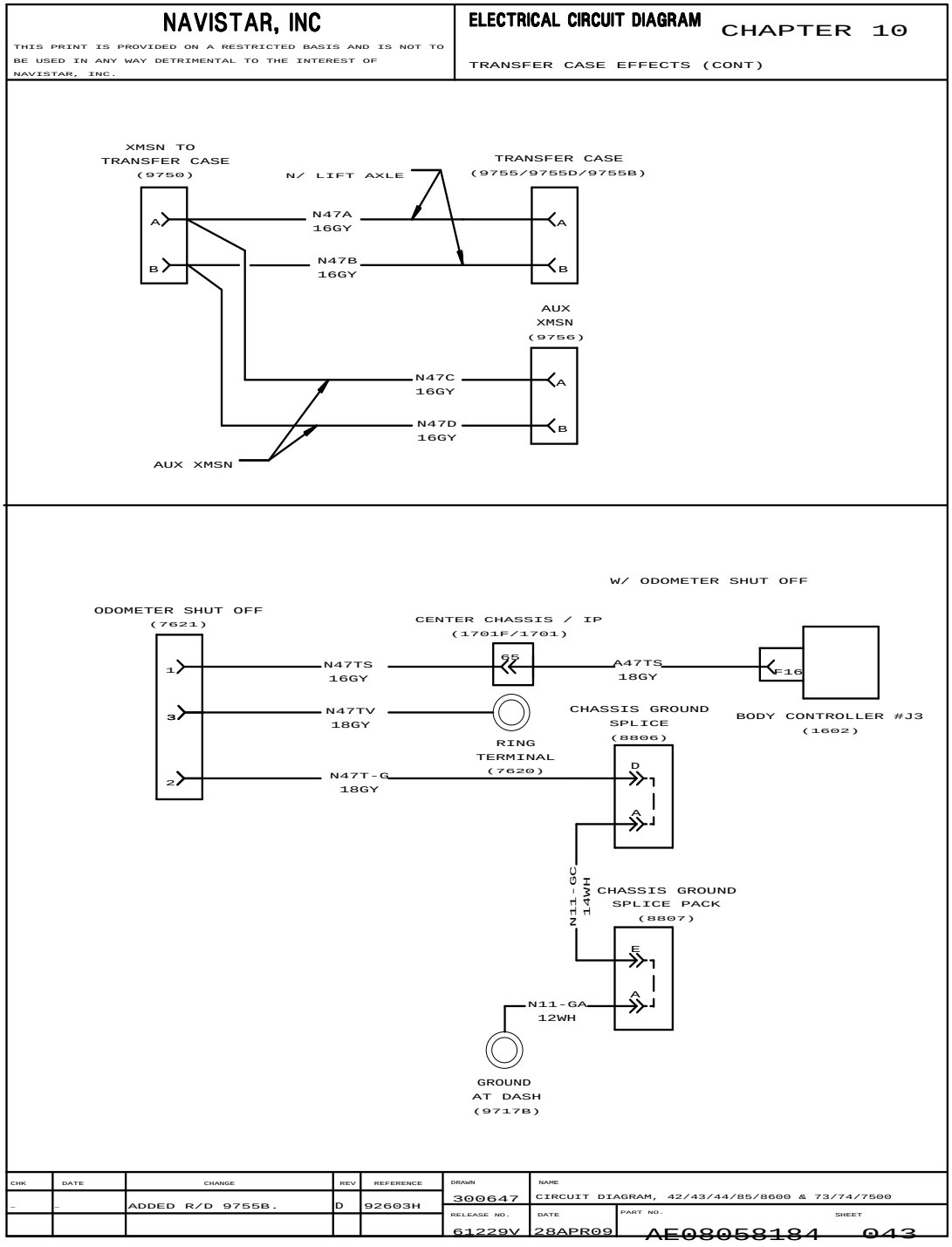

Figure 374 Transfer Case Effects (Cont.)

https://truckmanualshub.com/

10.66. REMOTE START / STOP, P. 44

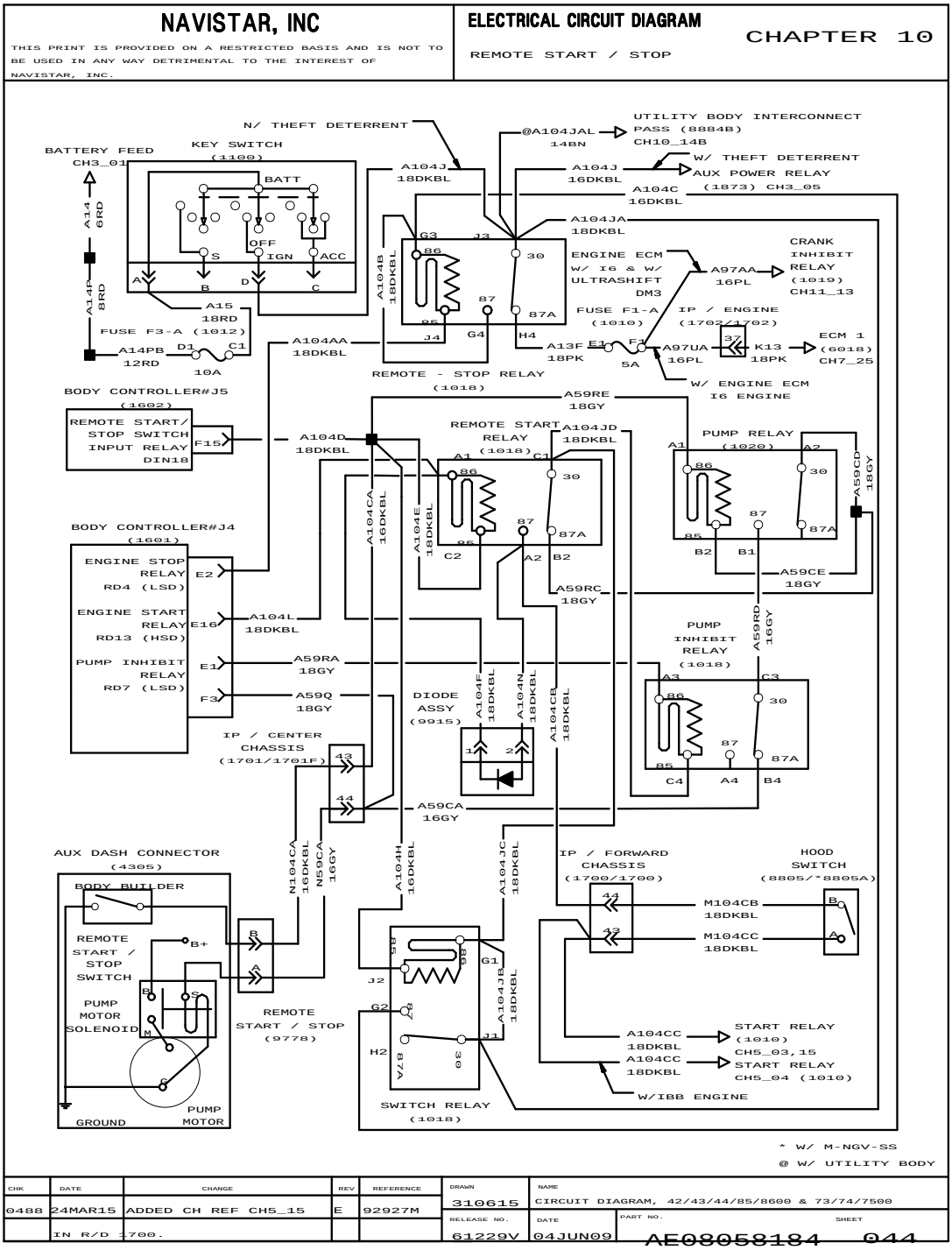

Figure 375 Remote Start / Stop

https://truckmanualshub.com/

10.67. AUXILIARY AND POWER SOURCE, P. 45

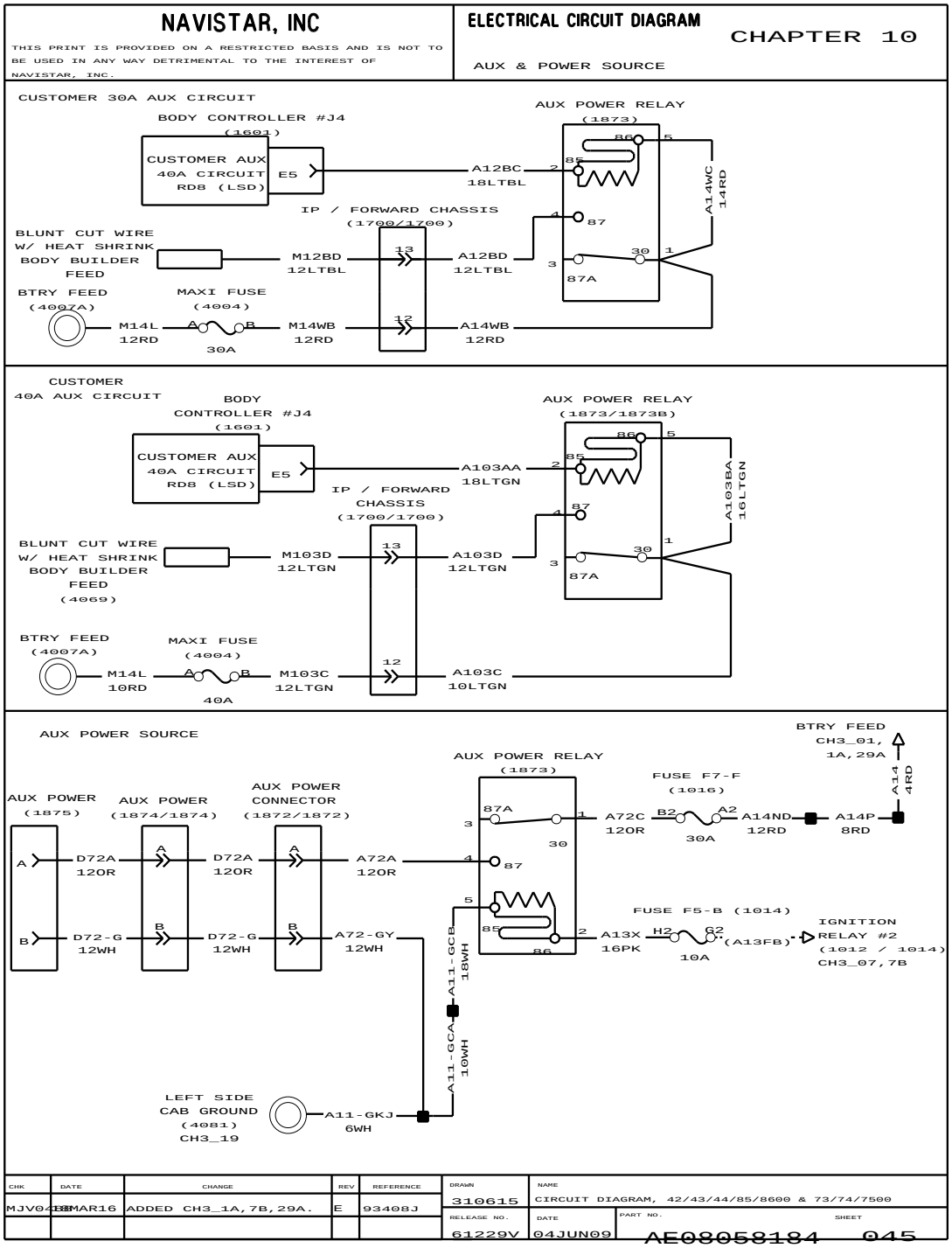

Figure 376 Auxiliary and Power Source

https://truckmanualshub.com/

10.68. ABS – BENDIX AIR 6S / 6M, P. 46

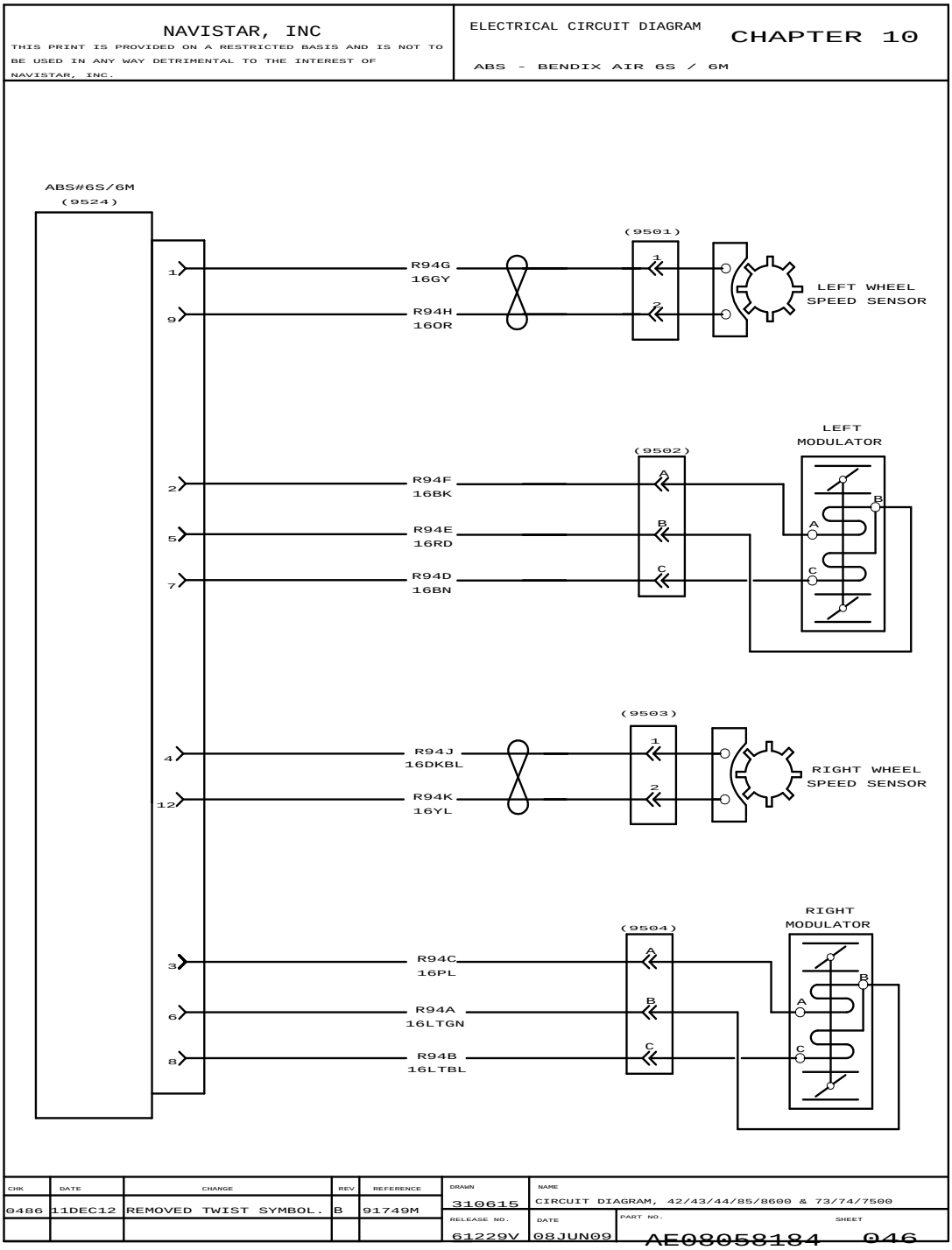

Figure 377 ABS – Bendix Air 6S / 6M

https://truckmanualshub.com/

10.69. ABS – BENDIX AIR 6S / 6M (CONT.), P. 46A

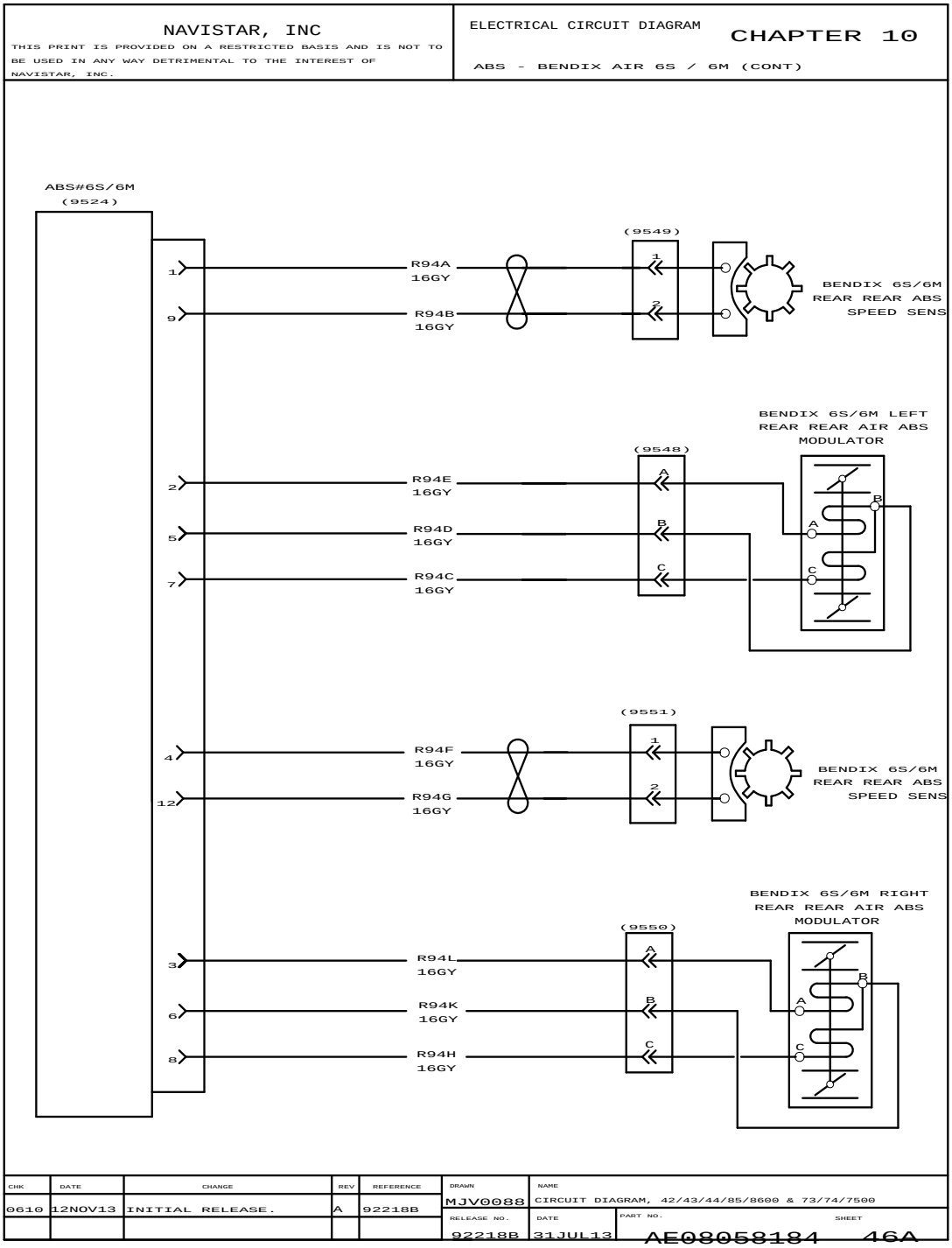

Figure 378 ABS – Bendix Air 6S / 6M (Cont.)

https://truckmanualshub.com/

10.70. ABS – BENDIX AIR 6S / 6M (CONT.), P. 47

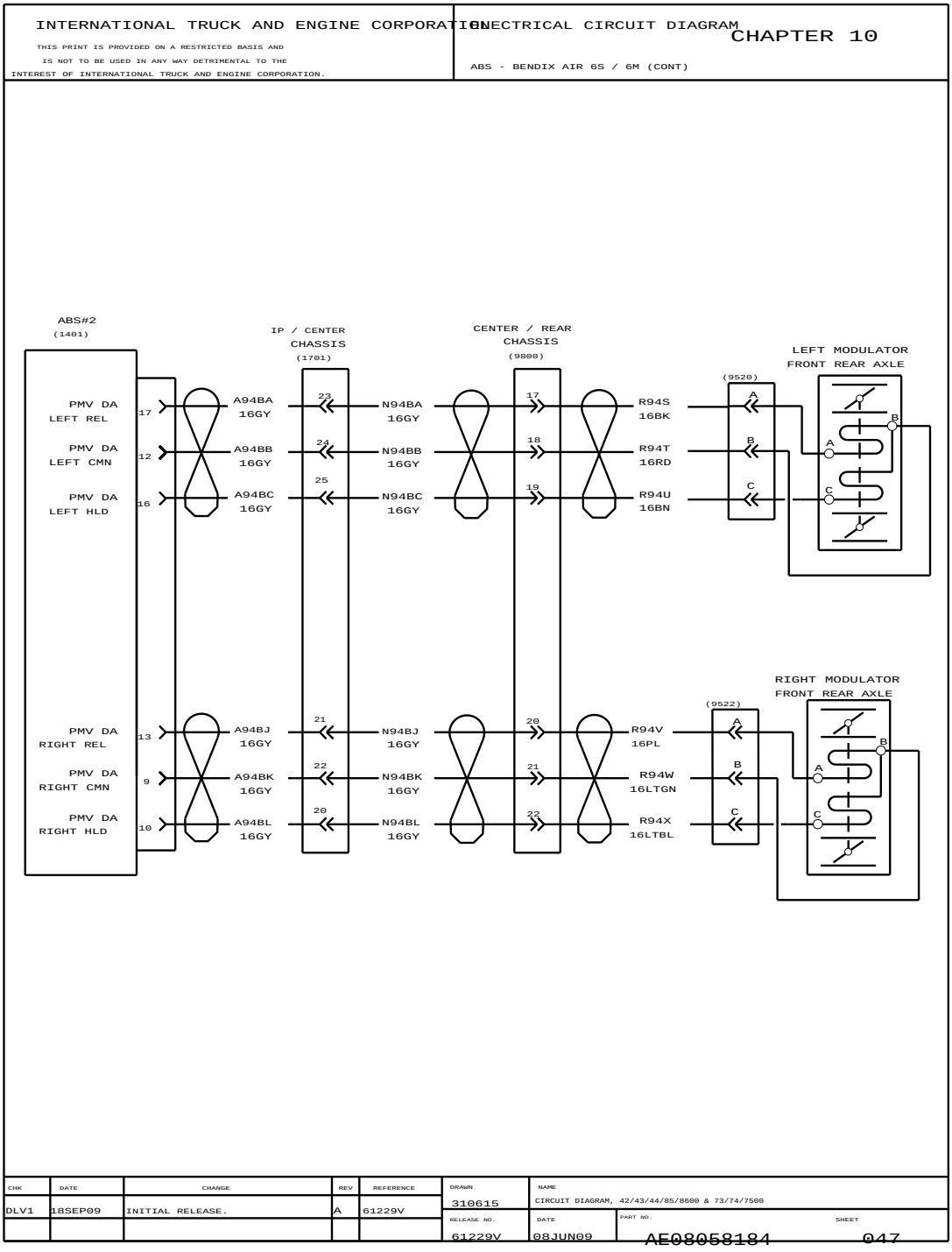

Figure 379 ABS – Bendix Air 6S / 6M (Cont.)

https://truckmanualshub.com/

10.71. AC CONDENSER EFFECTS, P. 48

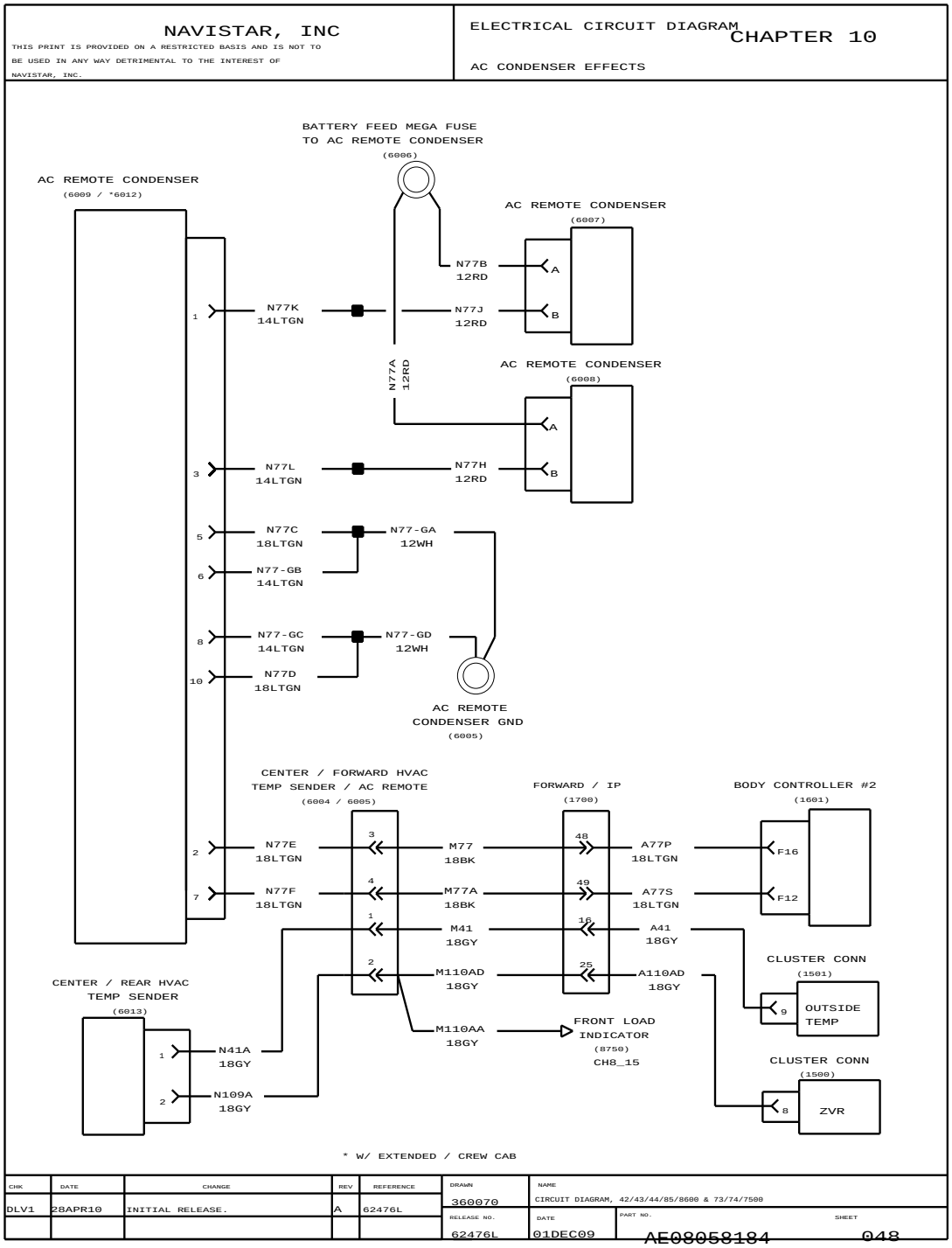

Figure 380 AC Condenser Effects

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10.72. AC CONDENSER EFFECTS (CONT.), P. 48A

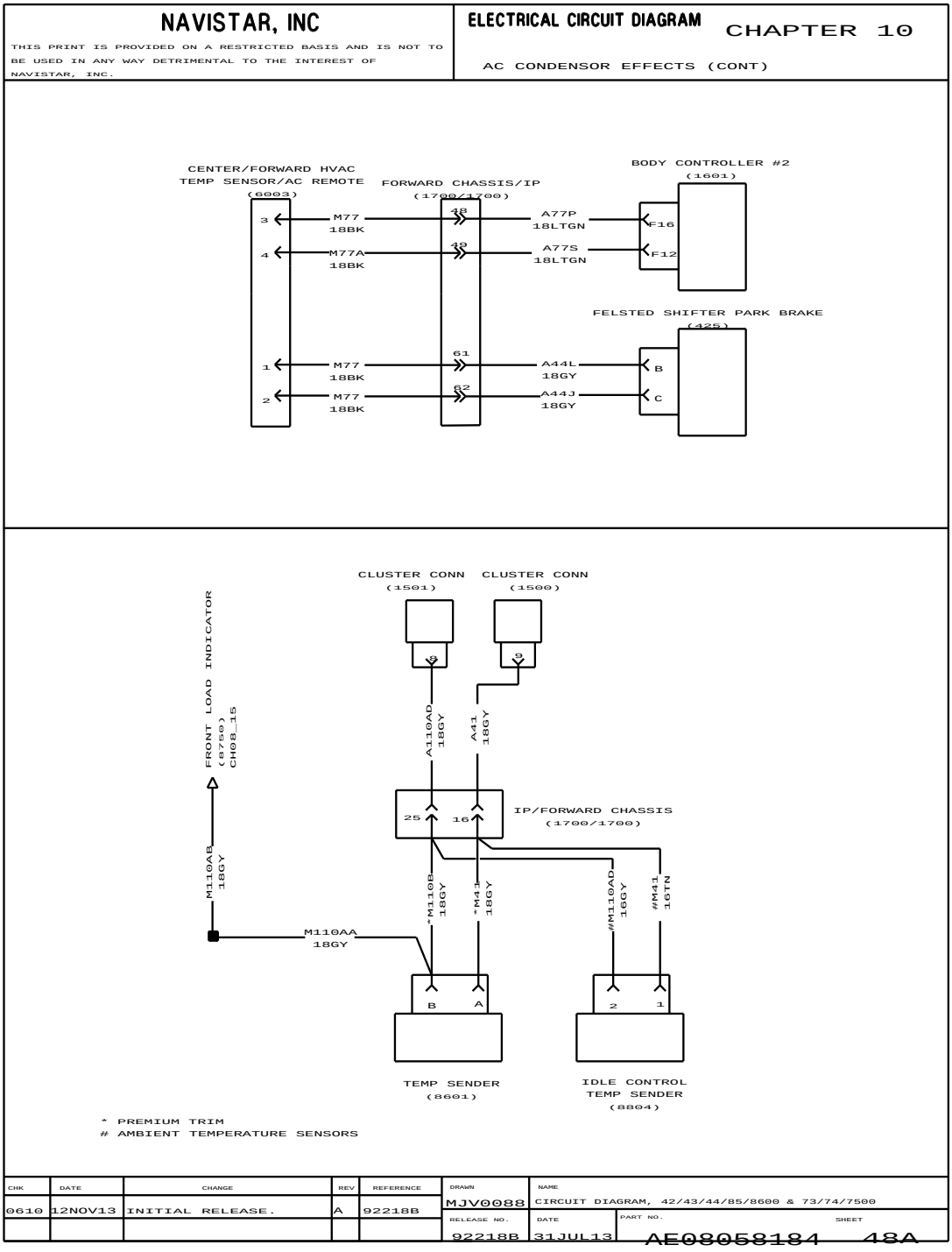

Figure 381 AC Condenser Effects (Cont.)

https://truckmanualshub.com/

10.73. PRESSURE SWITCH, P. 49

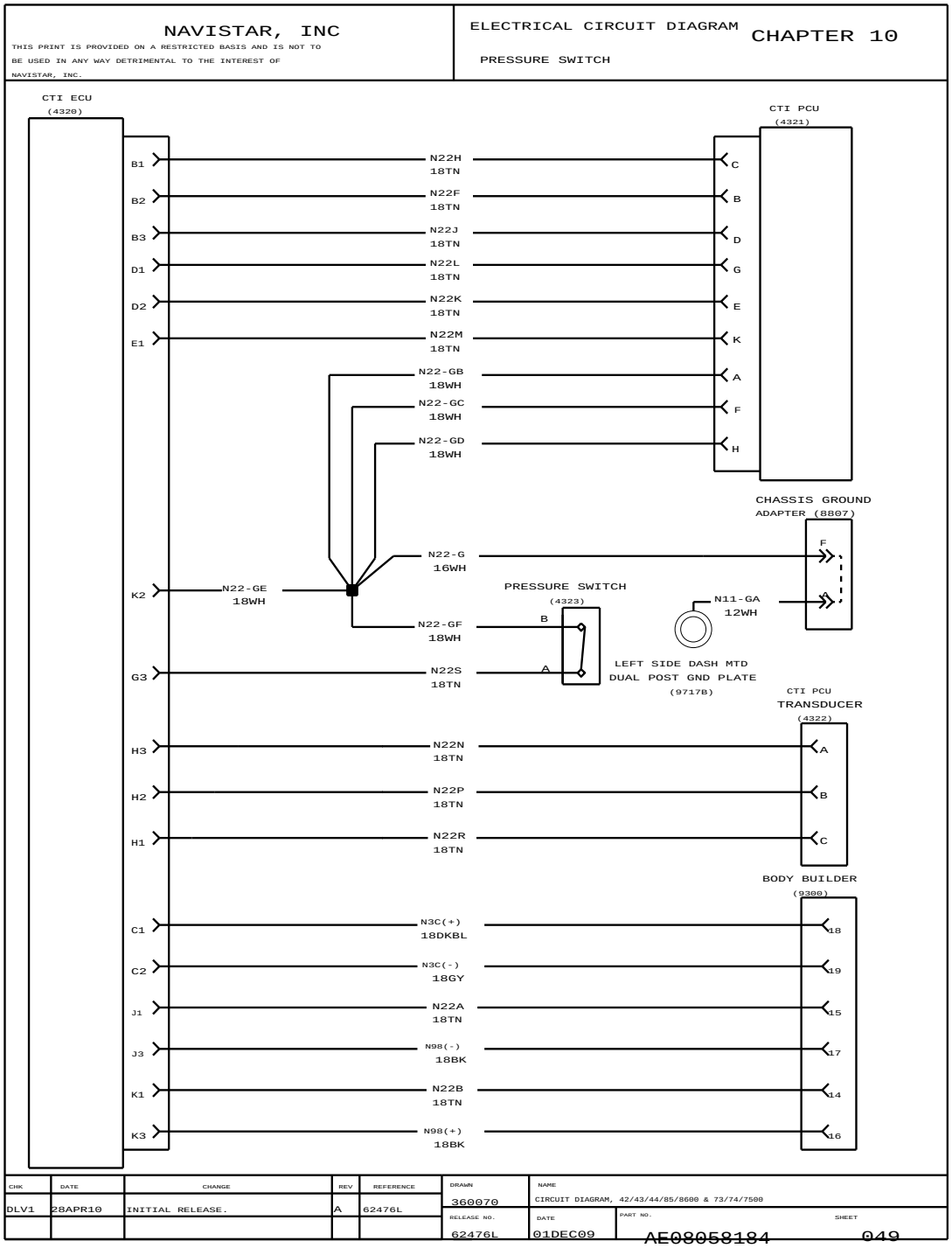

Figure 382 Pressure Switch

https://truckmanualshub.com/

10.74. TSS POWER, P. 50

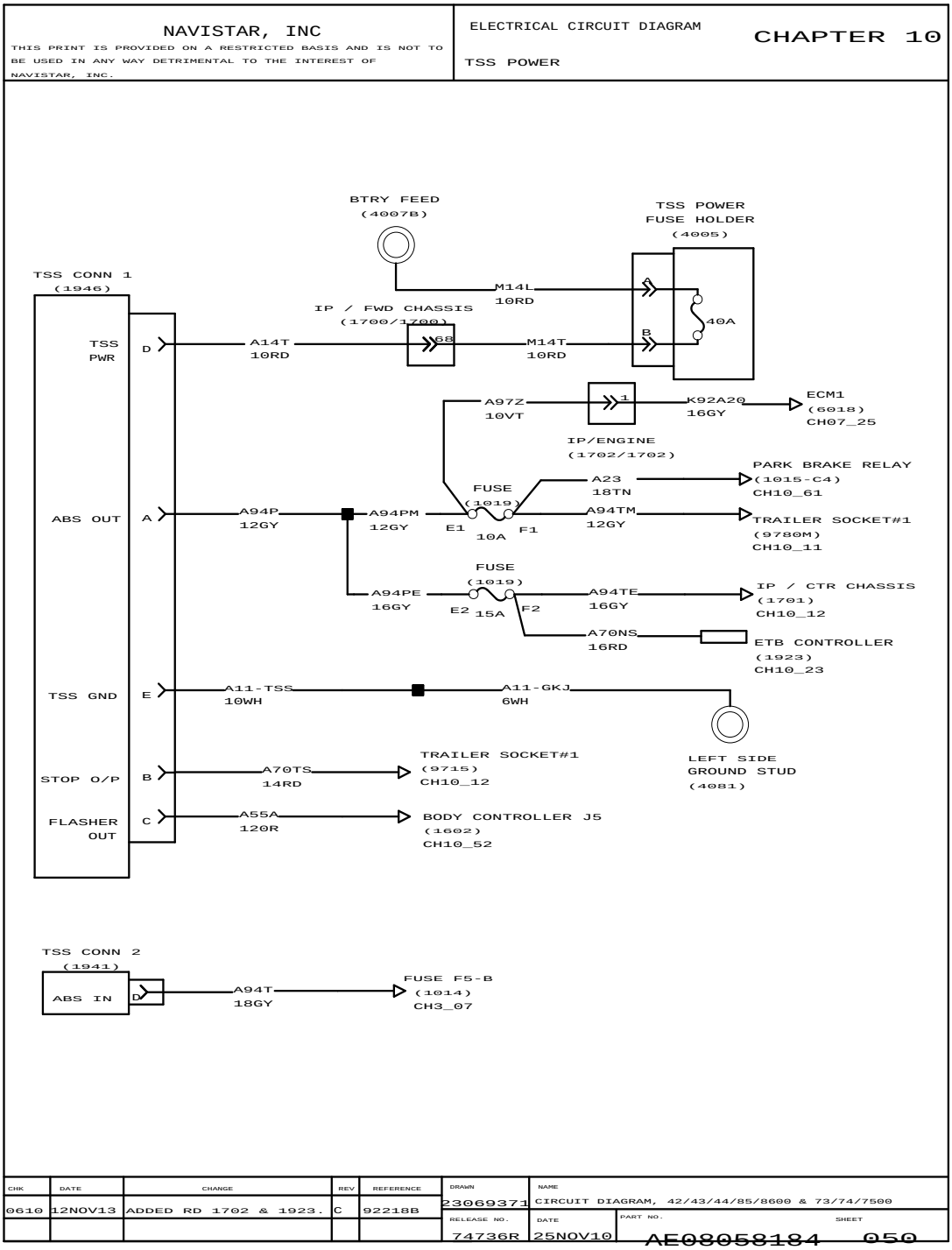

Figure 383 TSS Power

https://truckmanualshub.com/

10.75. TSS SWITCH INPUT, P. 51

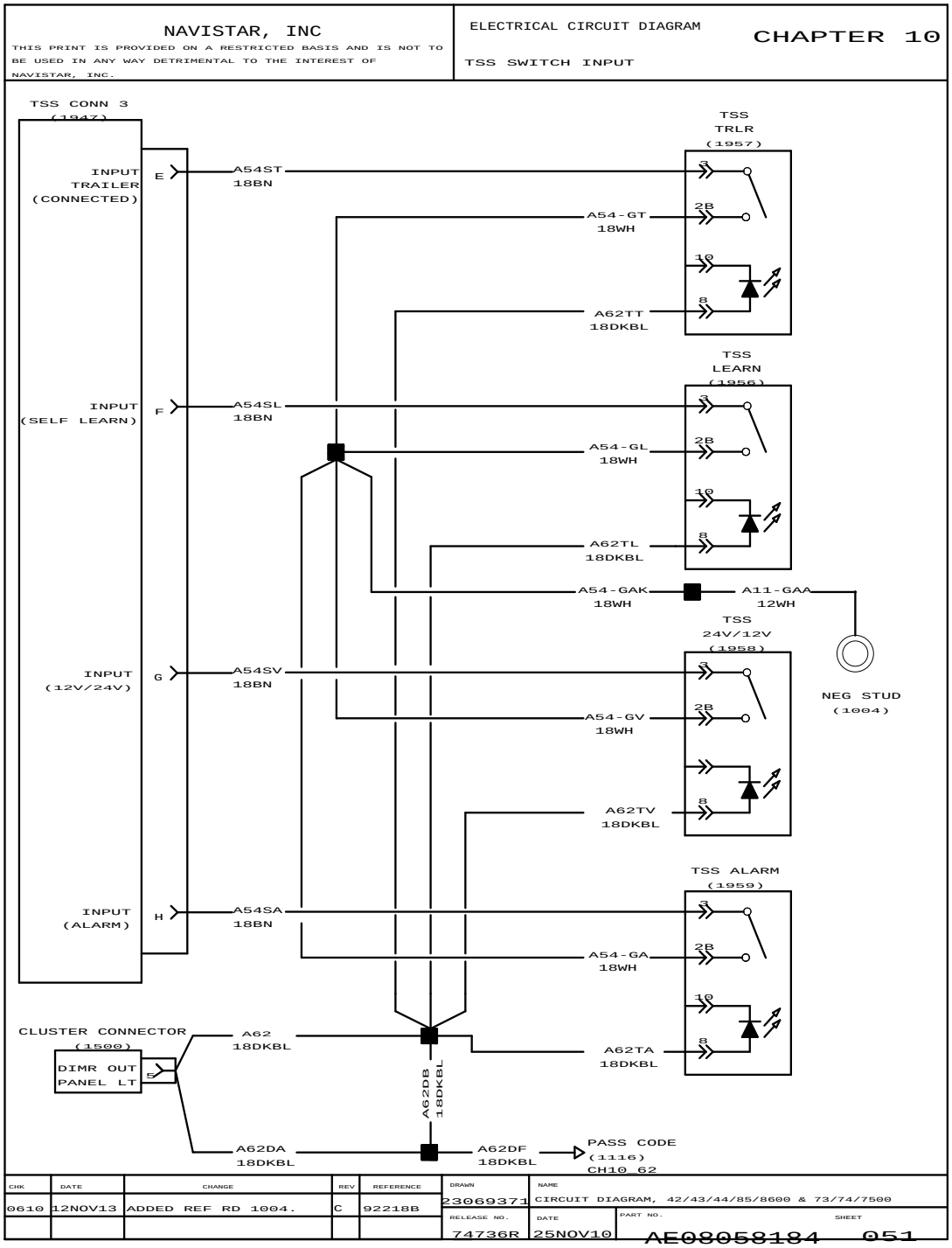

Figure 384 TSS Switch Input

https://truckmanualshub.com/

10.76. TSS TURN LIGHT, P. 52

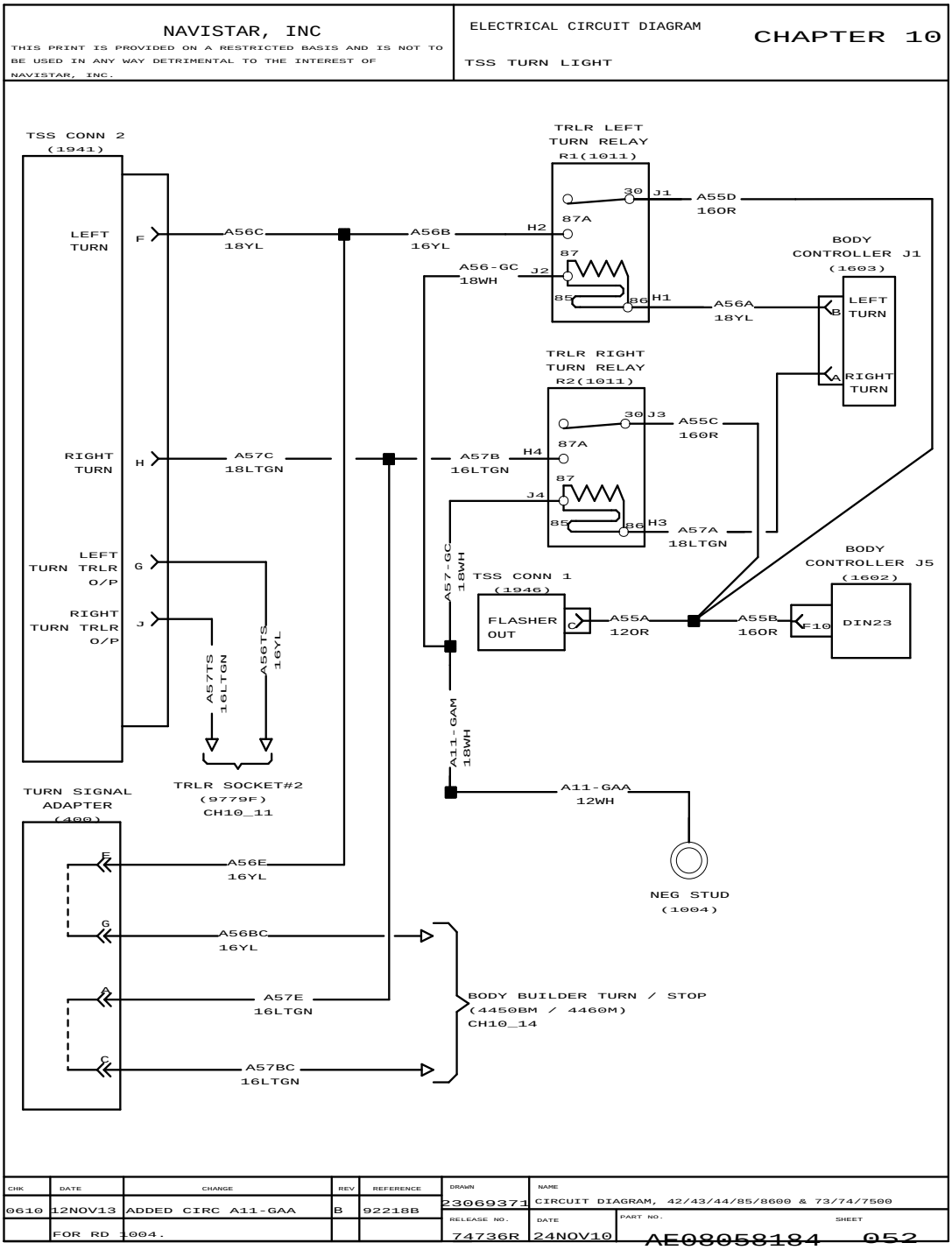

Figure 385 TSS Turn Light

https://truckmanualshub.com/

10.77. TSS STOP, TAIL AND MARKER LIGHT, P. 53

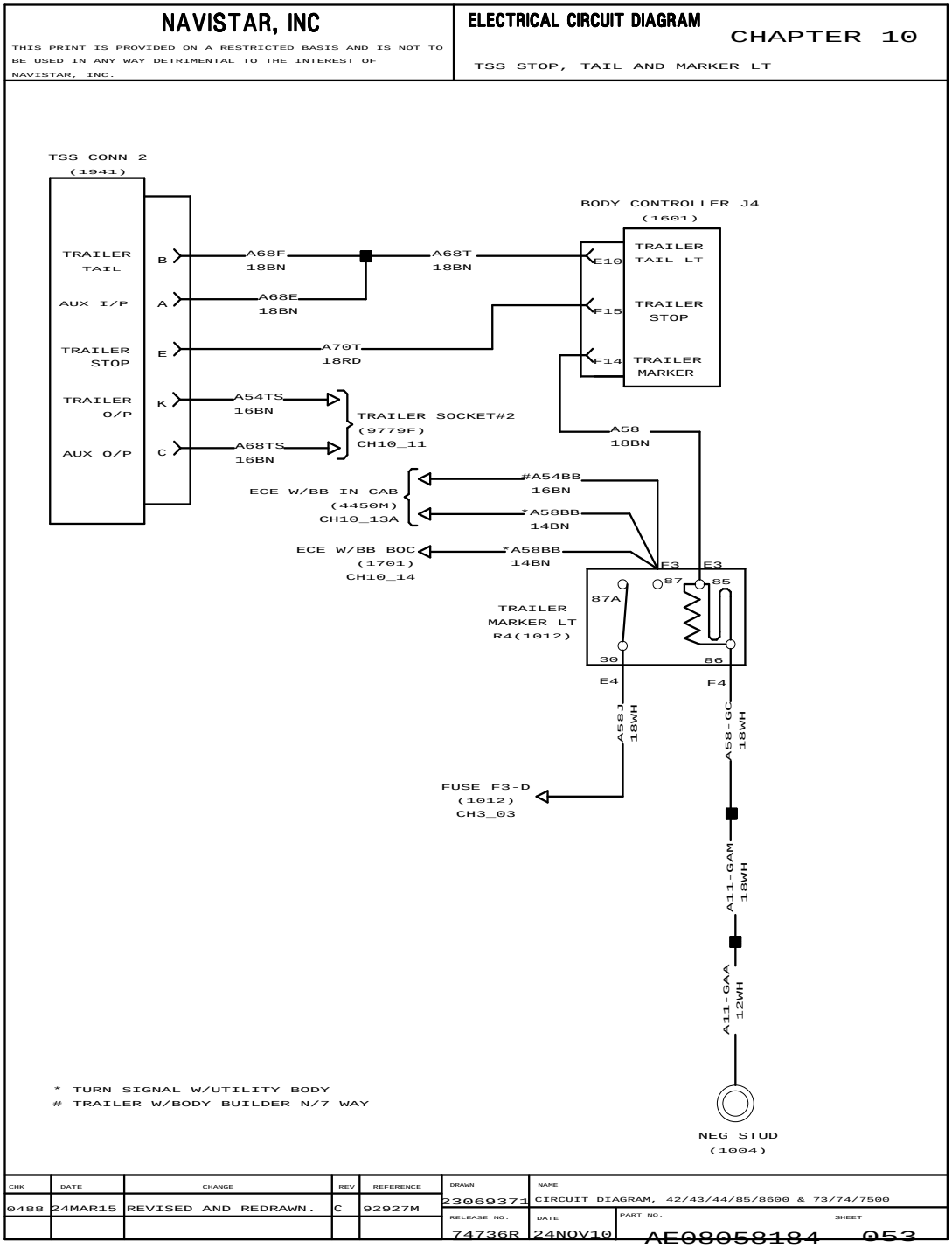

Figure 386 TSS Stop, Tail and Marker Light

https://truckmanualshub.com/

10.78. ABS – WABCO AIR 6S / 6M (6X4), P. 54

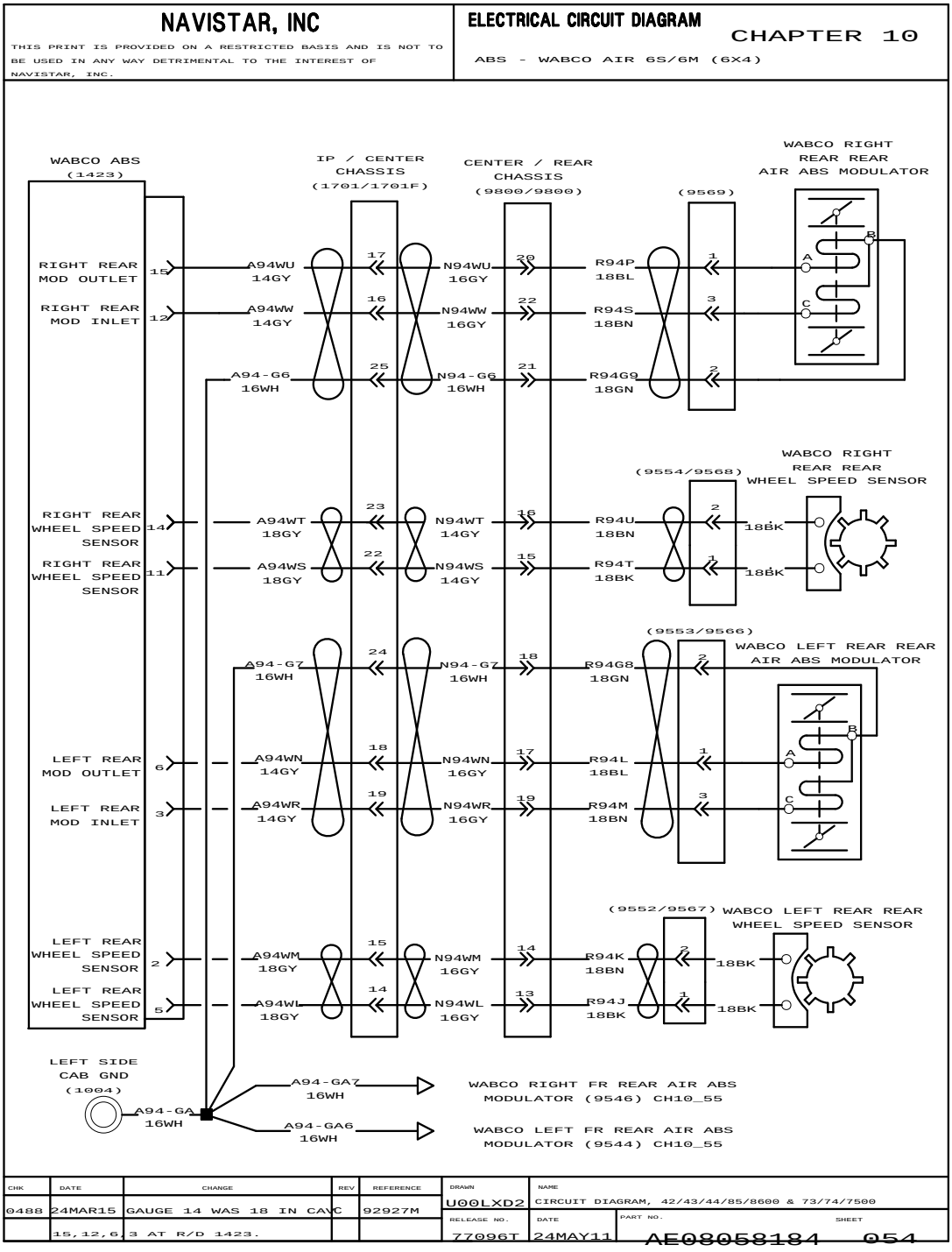

Figure 387 ABS – WABCO Air 6S / 6M (6X4)

https://truckmanualshub.com/

10.79. ABS – WABCO AIR 6S / 6M (6X4) (CONT.), P. 55

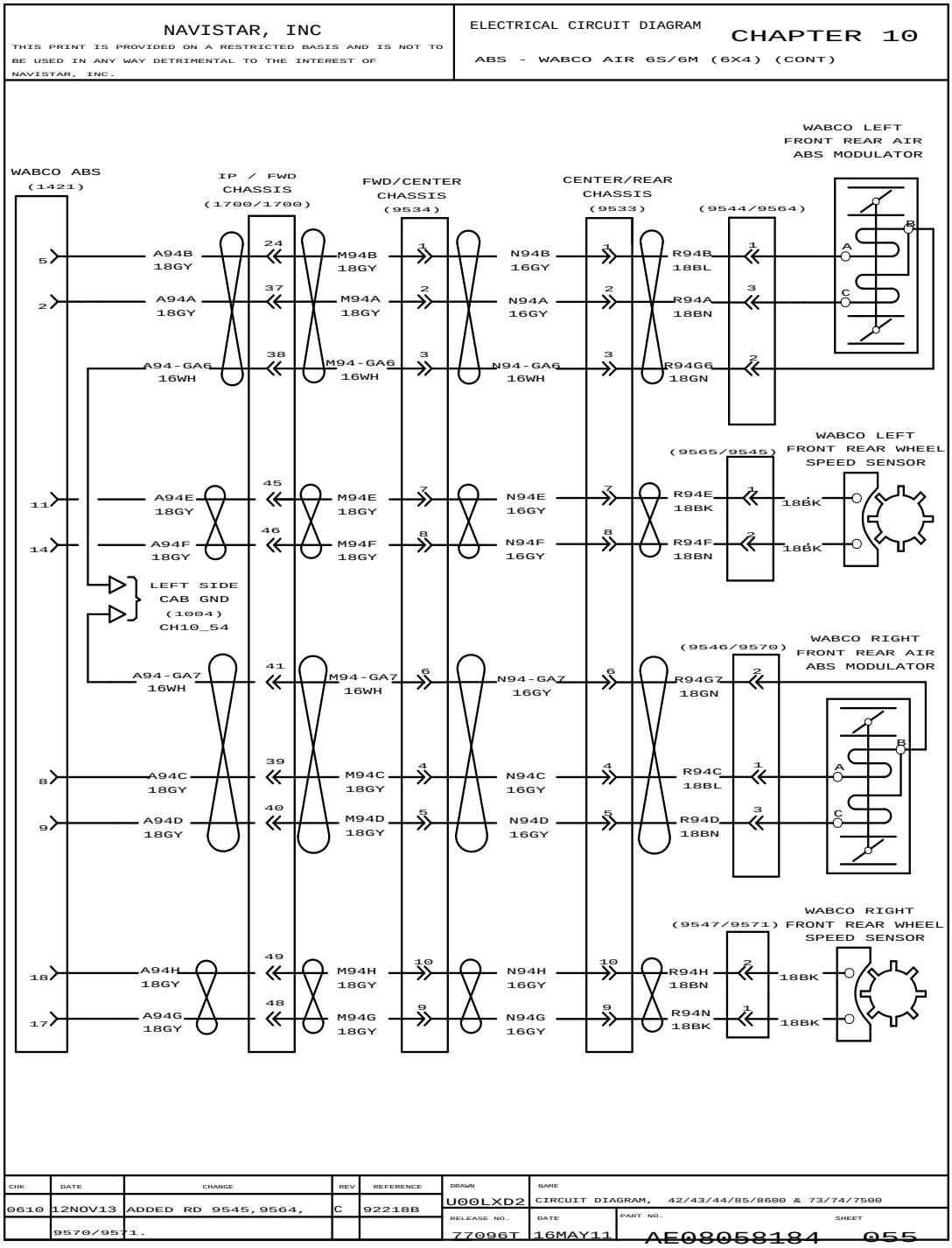

Figure 388 ABS – WABCO Air 6S/6M (6X4) (Cont.)

https://truckmanualshub.com/

10.80. ABS – BENDIX AIR 6S / 6M (6X4), P. 56

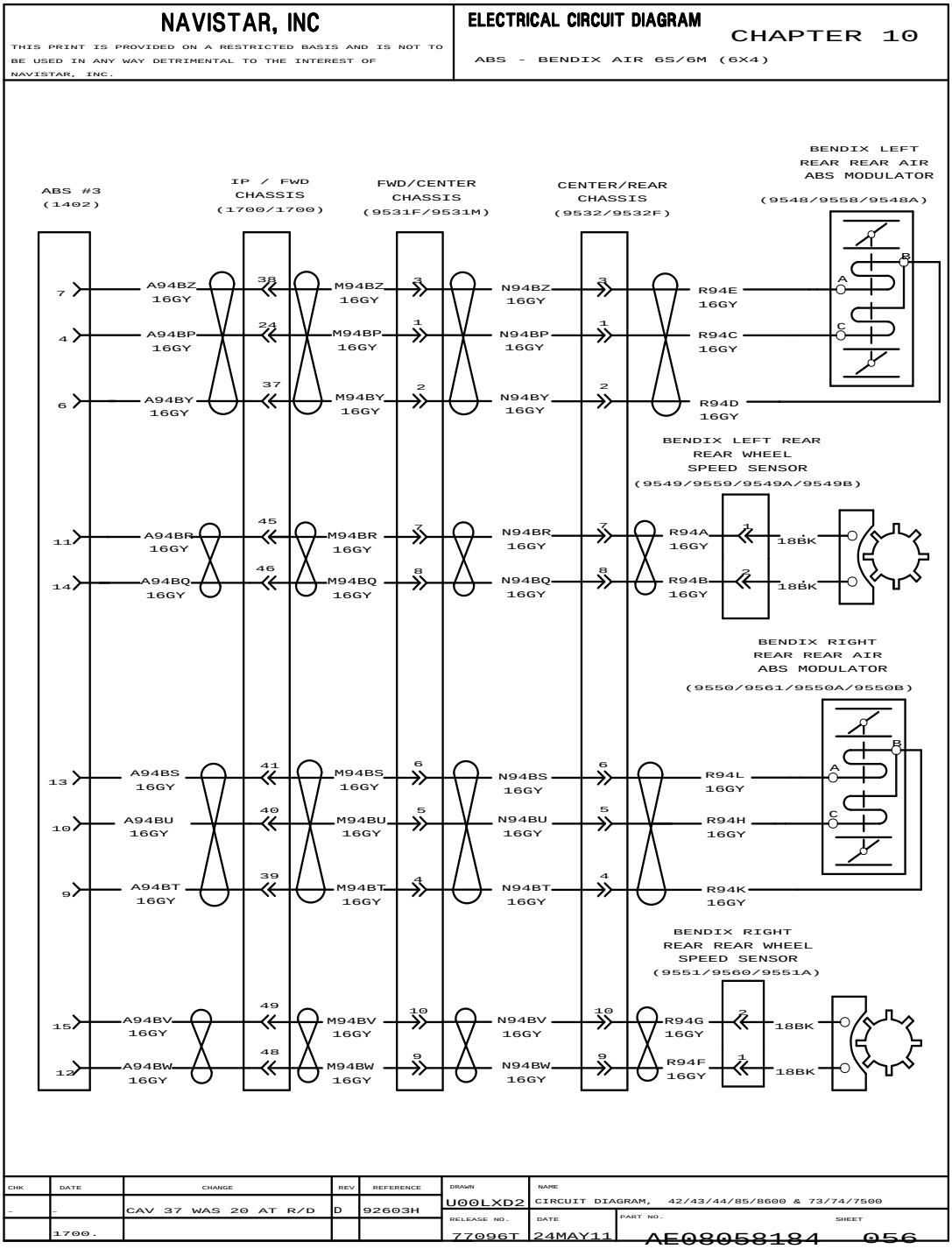

Figure 389 ABS – Bendix Air 6S / 6M (6X4)

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10.81. ABS – BENDIX AIR 6S / 6M (6X4) (CONT.), P. 56A

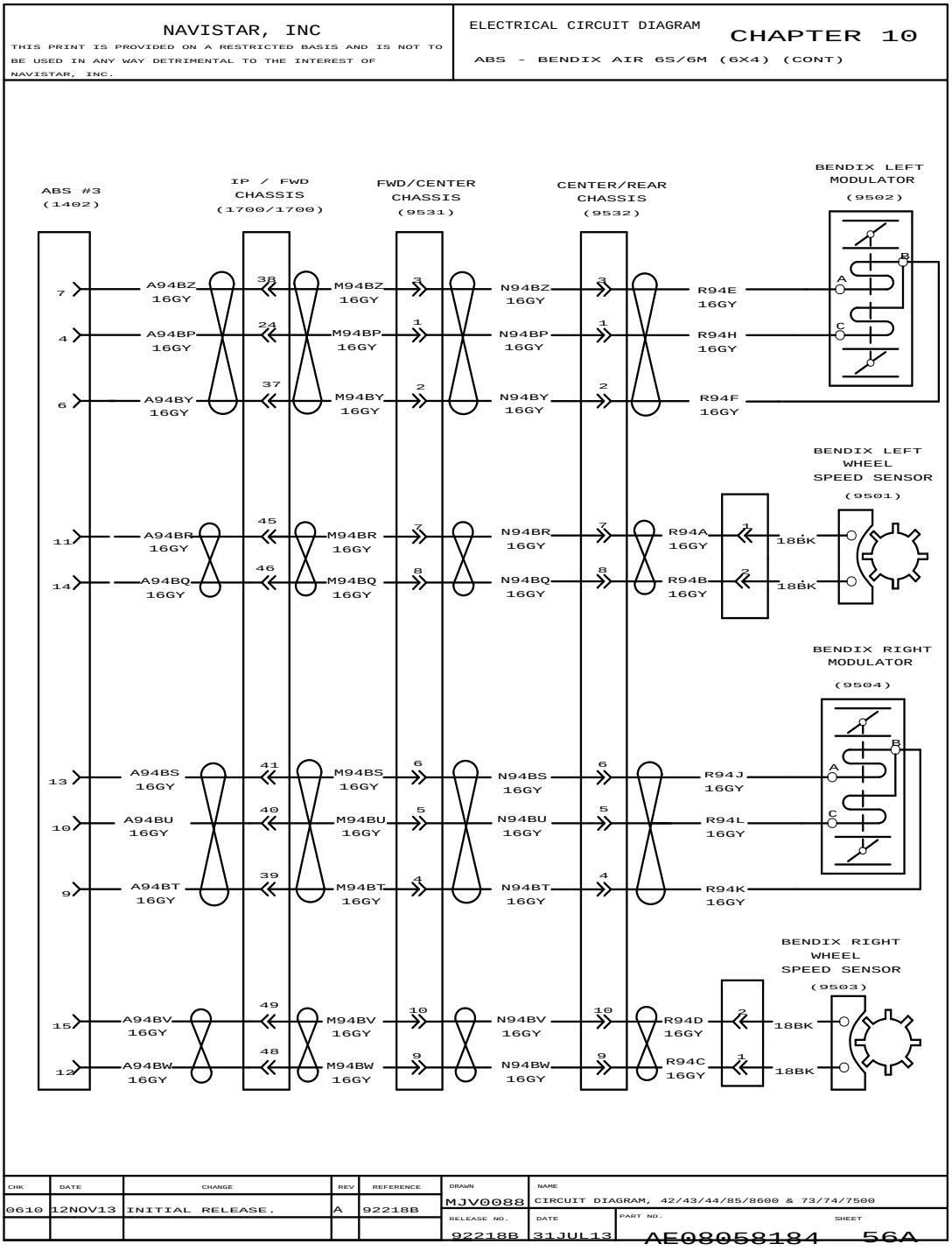

Figure 390 ABS – Bendix Air 6S / 6M (6X4) (Cont.)

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10.82. ABS – BENDIX AIR 6S / 6M (6X4) (CONT.), P. 57

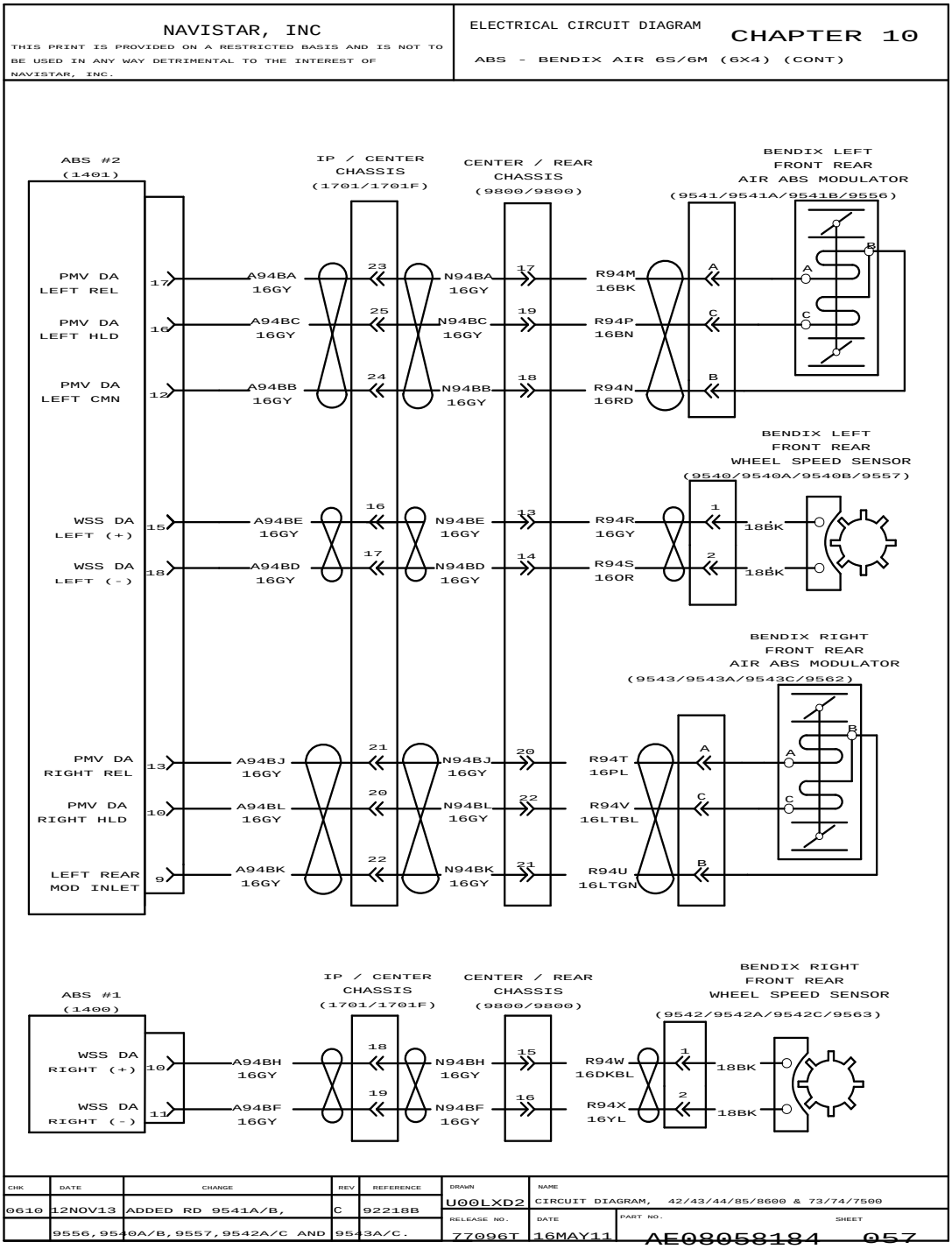

Figure 391 ABS – Bendix Air 6S / 6M (6X4) (Cont.)

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10.83. ABS – BENDIX AIR 6S / 6M (6X4) (CONT.), P. 57A

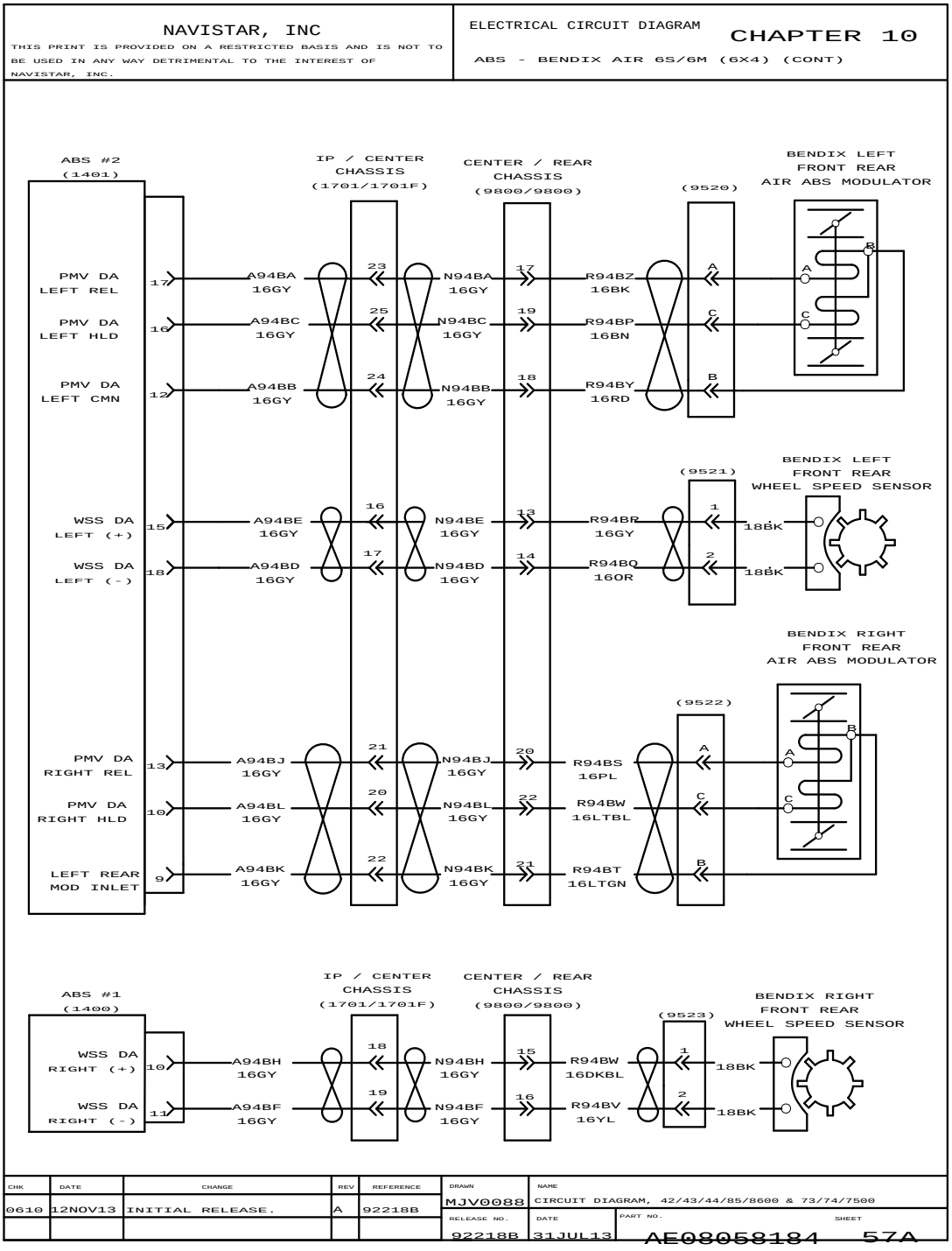

Figure 392 ABS – Bendix Air 6S / 6M (6X4) (Cont.)

https://truckmanualshub.com/

10.84. SCR SYSTEM, P. 58

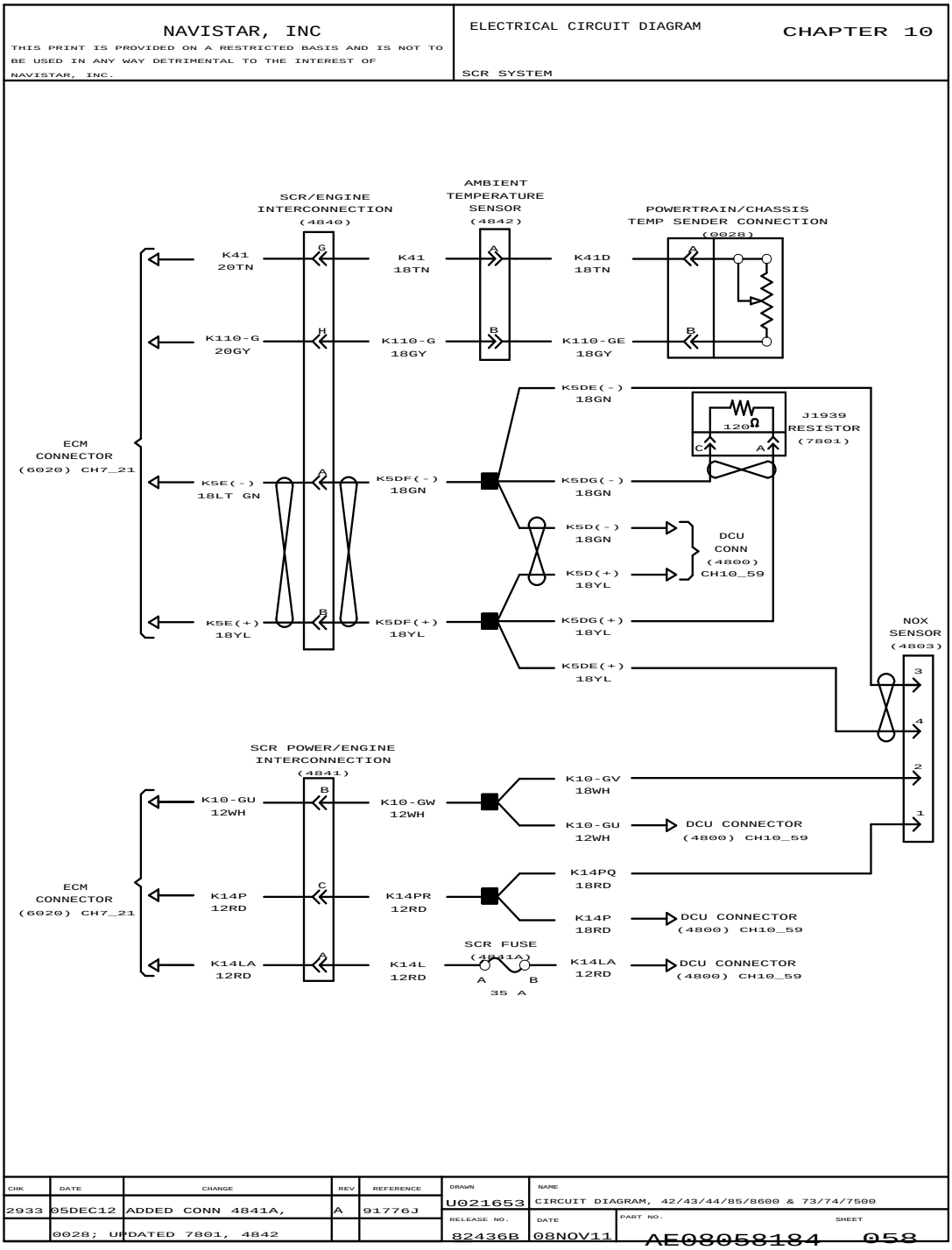

Figure 393 SCR System

https://truckmanualshub.com/

10.85. SCR SYSTEM (CONT.), P. 59

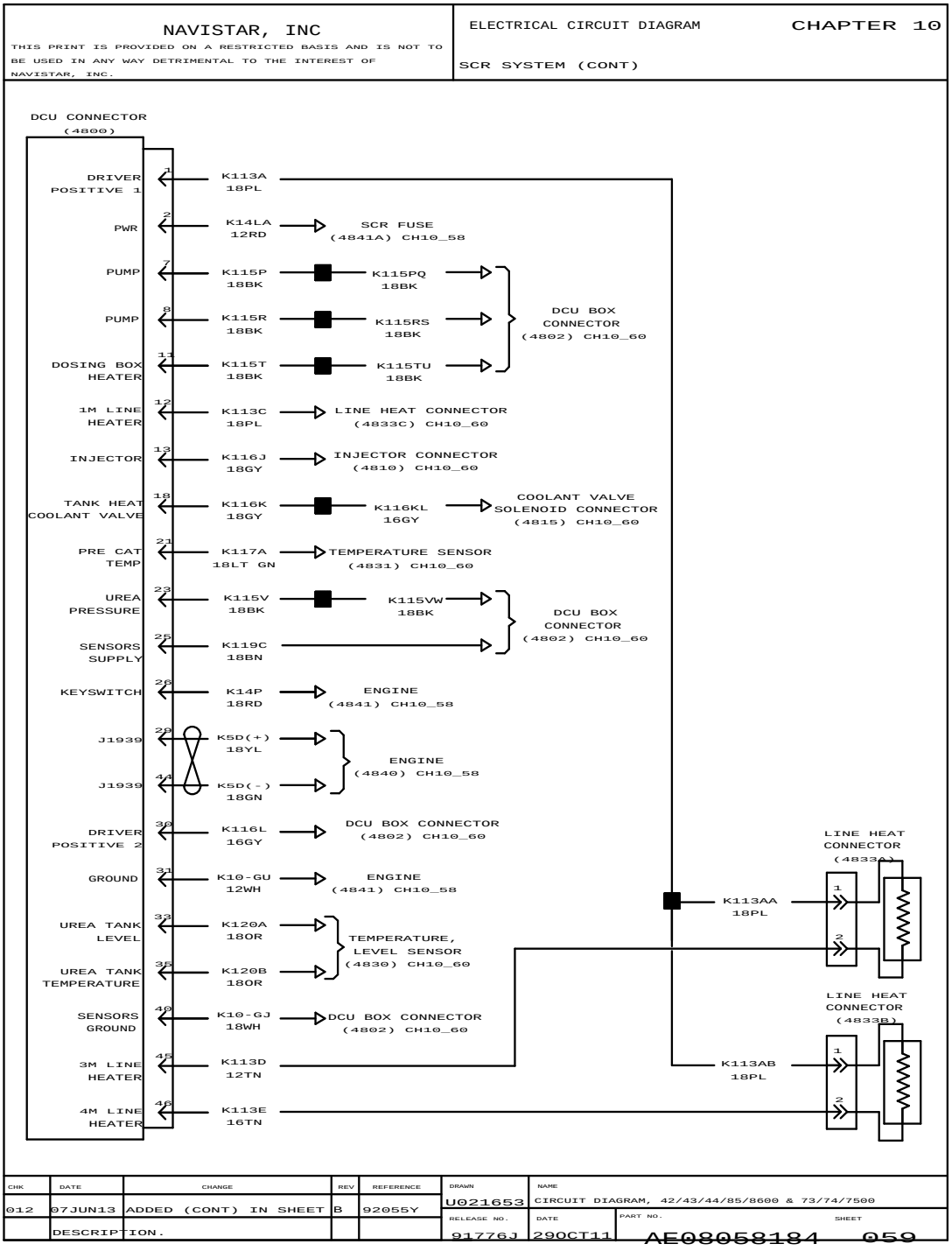

Figure 394 SCR System (Cont.)

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10.86. SCR SYSTEM (CONT.), P. 60

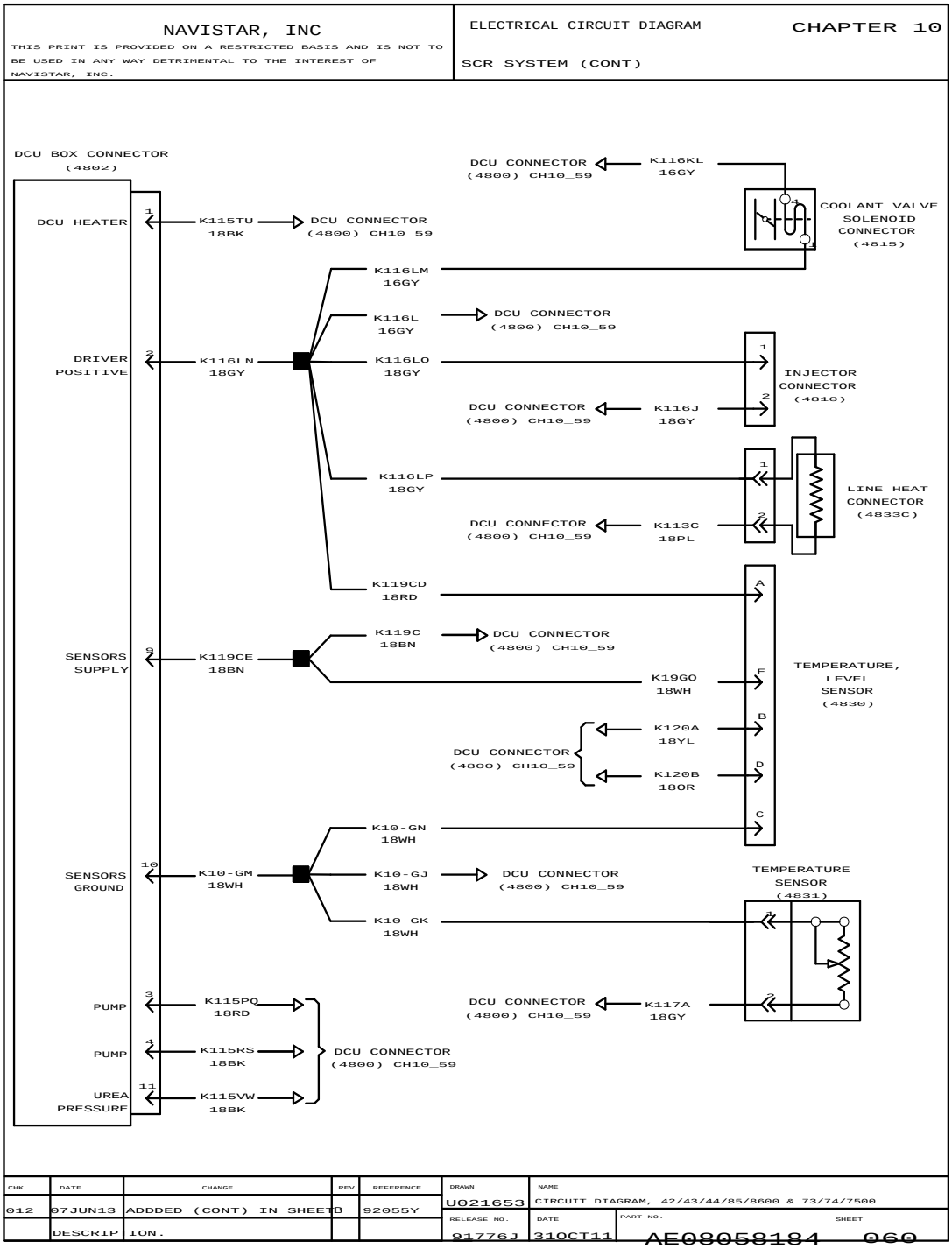

Figure 395 SCR System (Cont.)

https://truckmanualshub.com/

10.87. LIFT AXLE – 6X2, P. 61

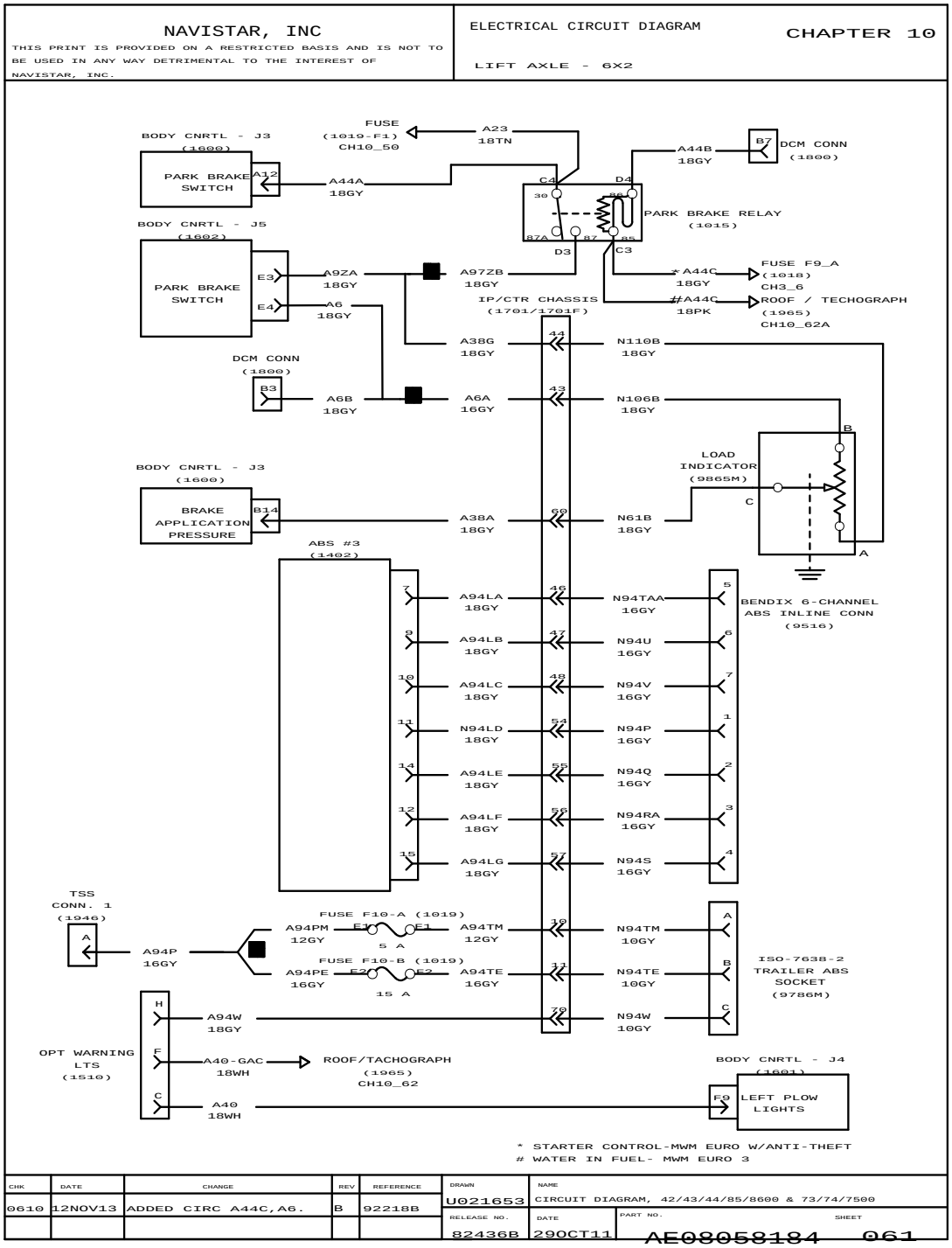

Figure 396 Lift Axle – 6X2

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10.88. ANTI-THEFT SYSTEM WITH I6 ENGINE (0012NVM), P. 62

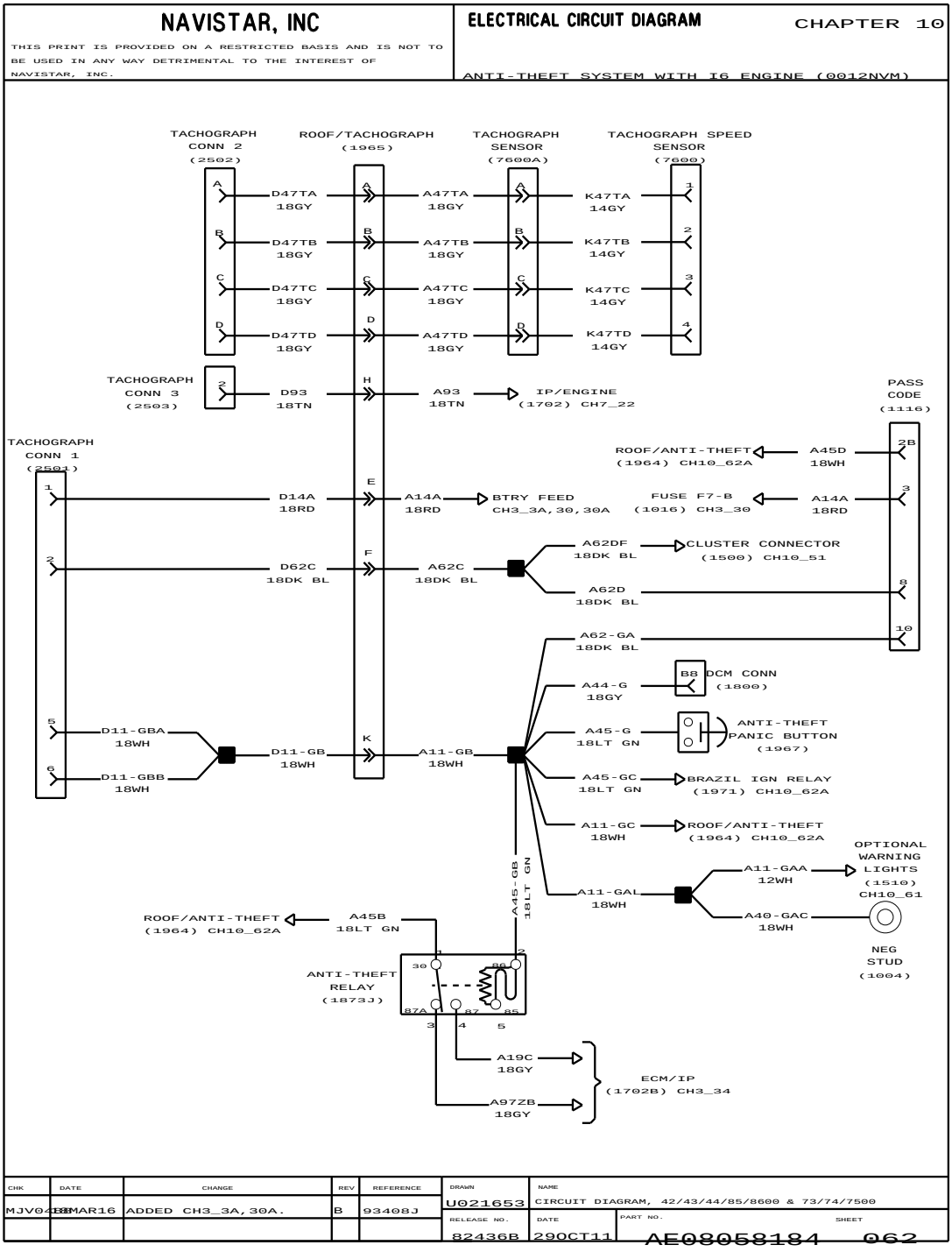

Figure 397 Anti-Theft System with I6 Engine (0012NVM)

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10.89. ANTI-THEFT SYSTEM WITH I6 ENGINE (0012NVM), P. 62A

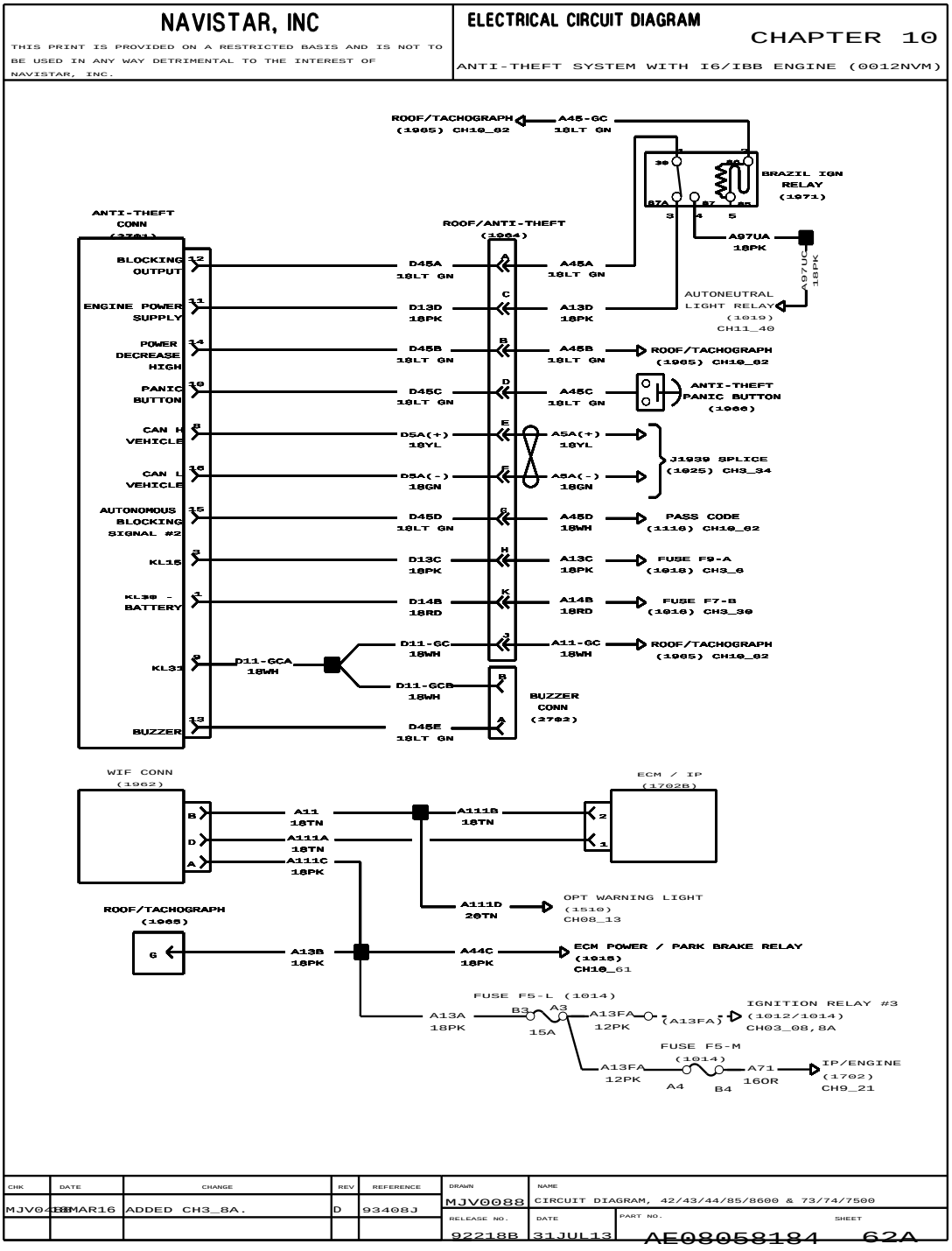

Figure 398 Anti-Theft System with I6 Engine (0012NVM)

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10.90. DIAGNOSTIC FLASHER MODULE, P. 63

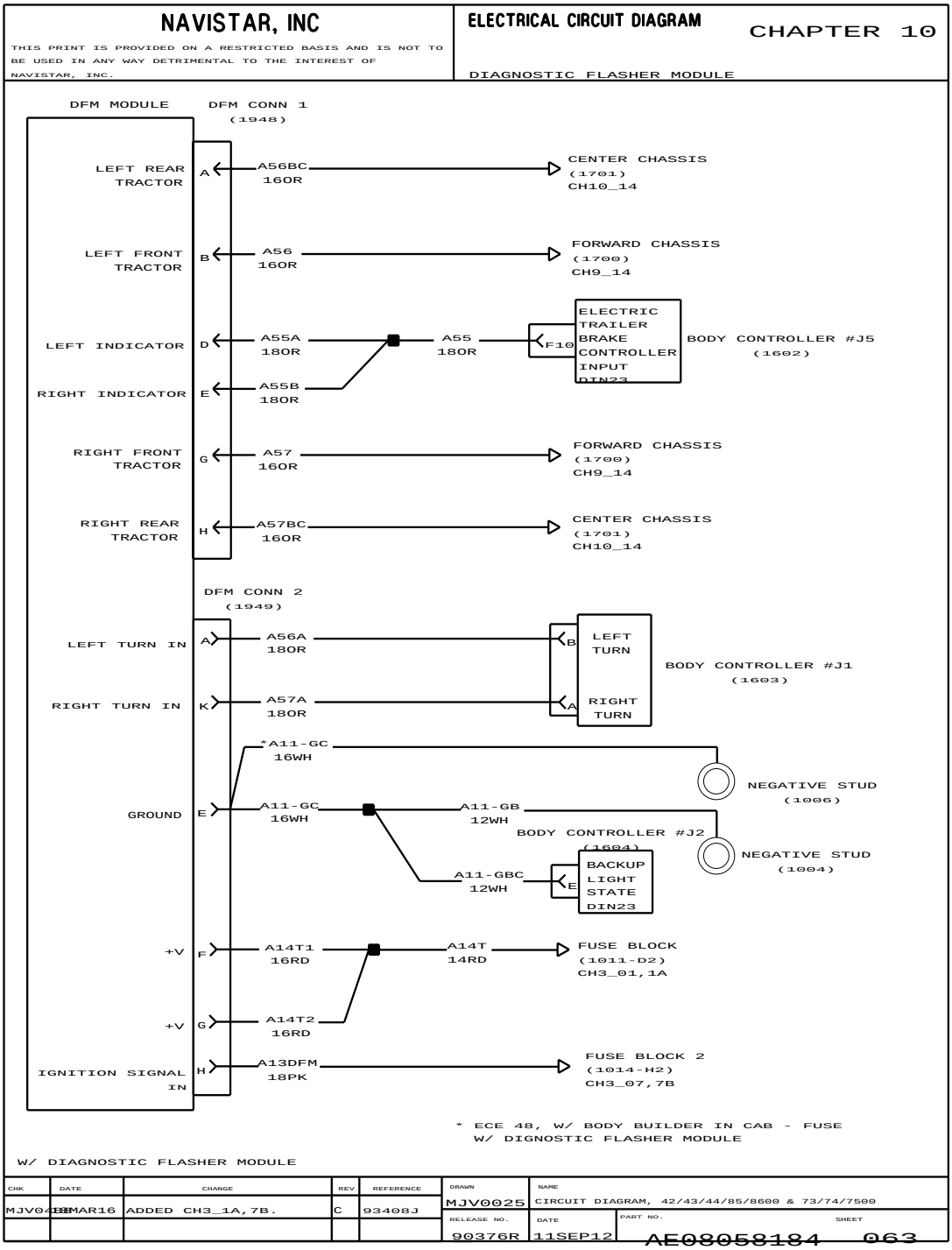

Figure 399 Diagnostic Flasher Module

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10.91. DIAGNOSTIC FLASHER MODULE (CONT.), P. 63A

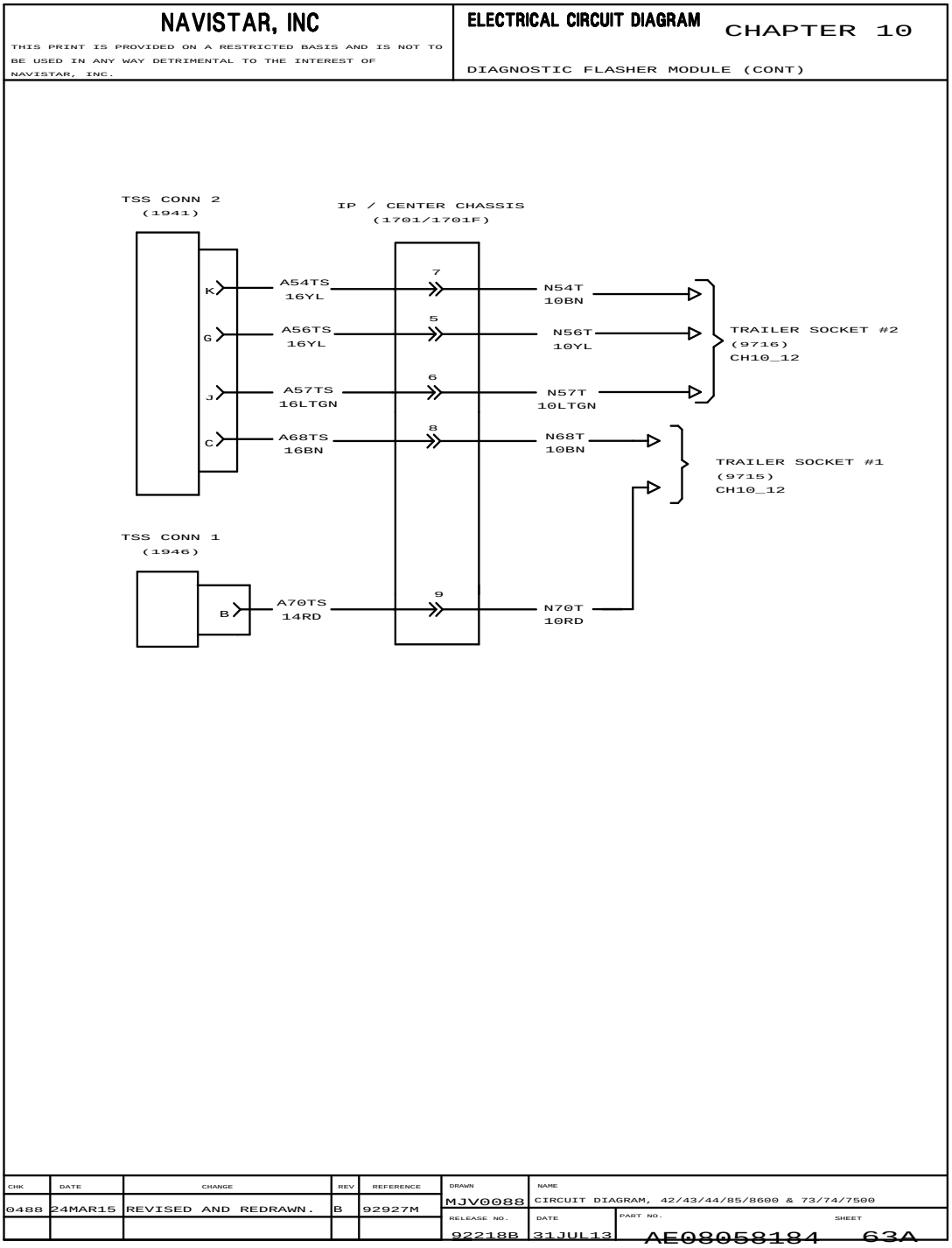

Figure 400 Diagnostic Flasher Module (Cont.)

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10.92. BODY BUILDER AND TRAILER – TURN, MARKERS AND STOP (ISL-G ENGINE), P. 64

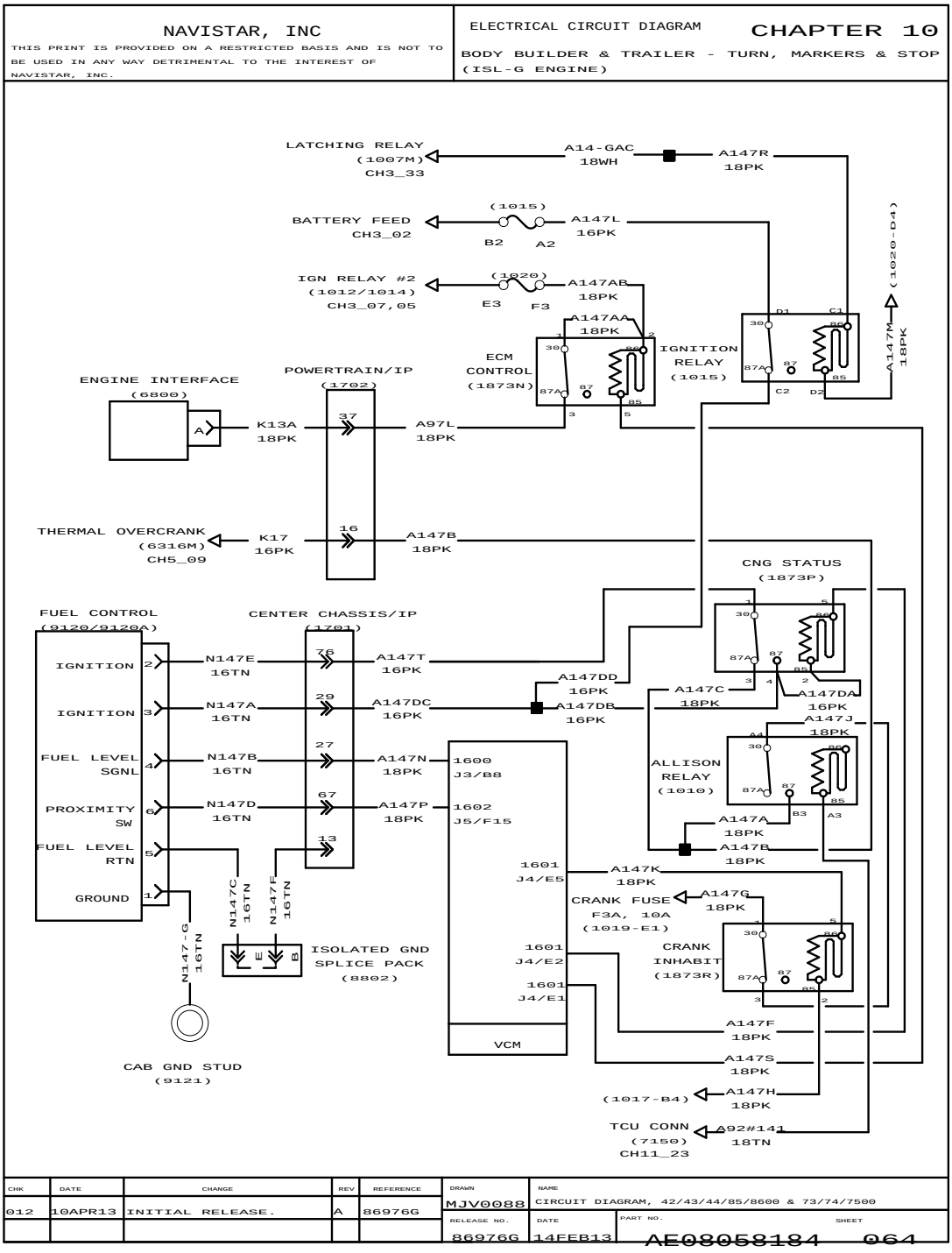

Figure 401 Body Builder and Trailer – Turn, Markers and Stop (ISL-G Engine)

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10.93. ULTRASHIFT BODYBUILDER WIRING, P. 65

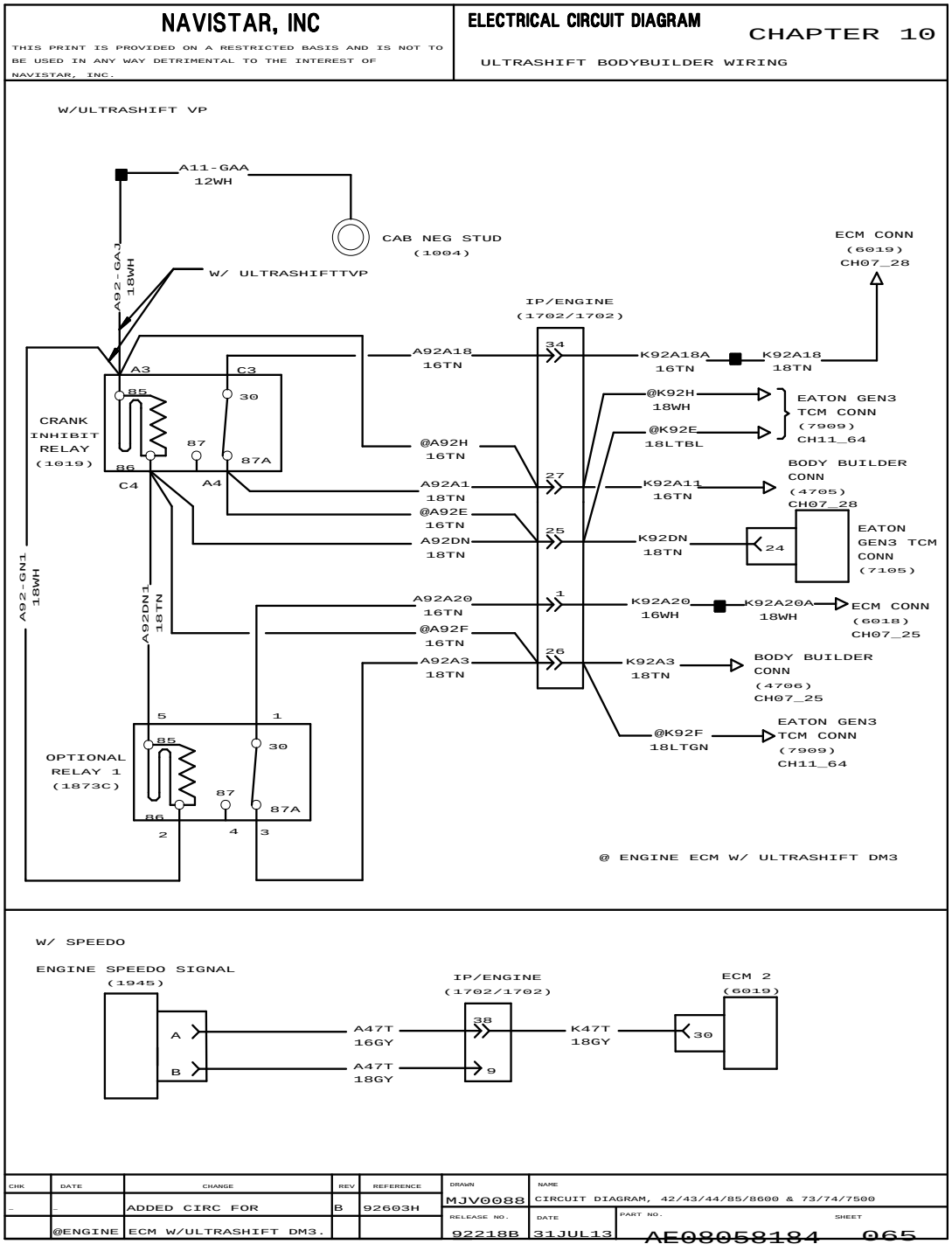

Figure 402 Ultrashift BodyBuilder Wiring

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10.94. TRW ABS BRAKES, P. 66

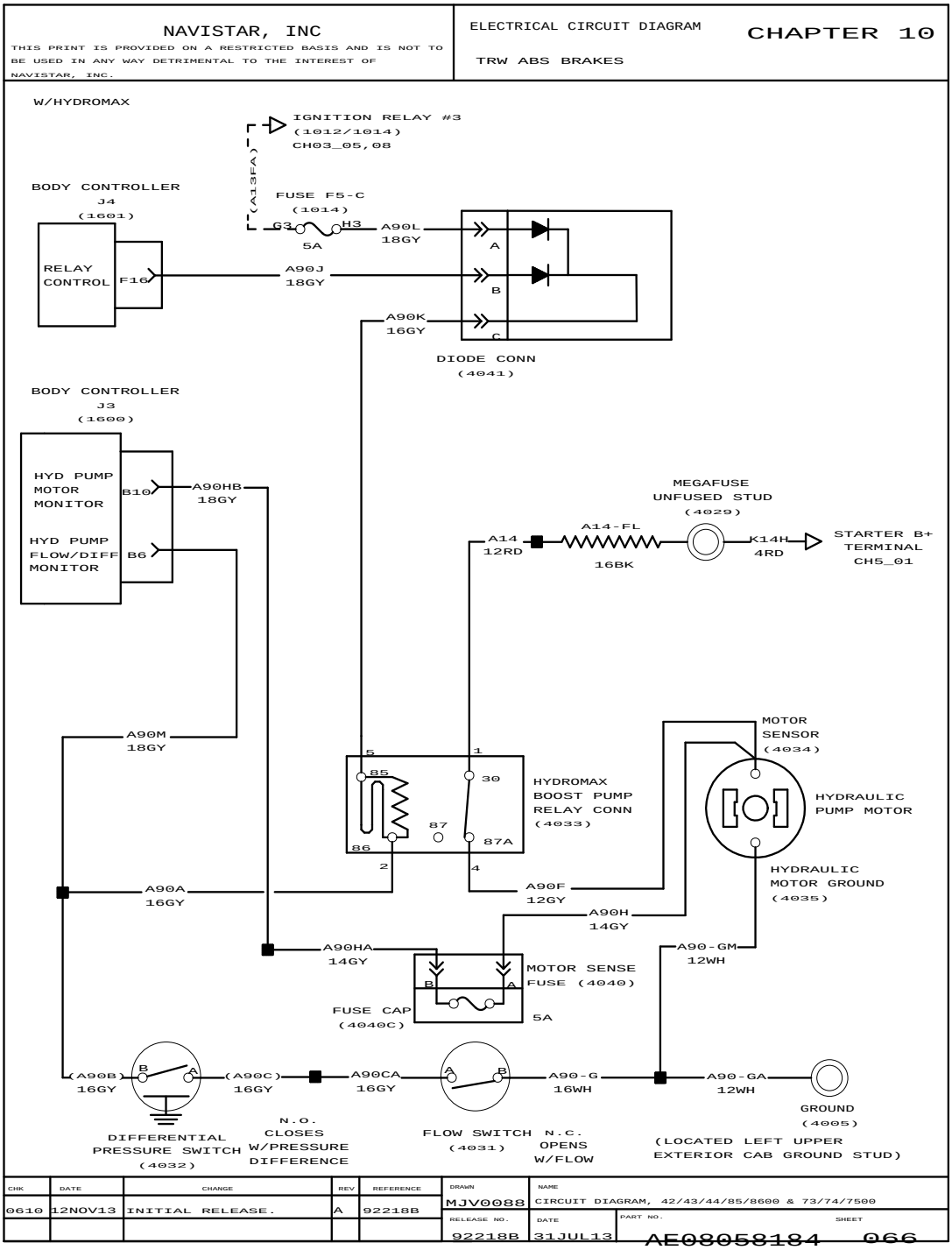

Figure 403 TRW ABS Brakes

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10.95. ENGINE BRAKE AND ECM WIRING – WITH EURO 3, P. 67

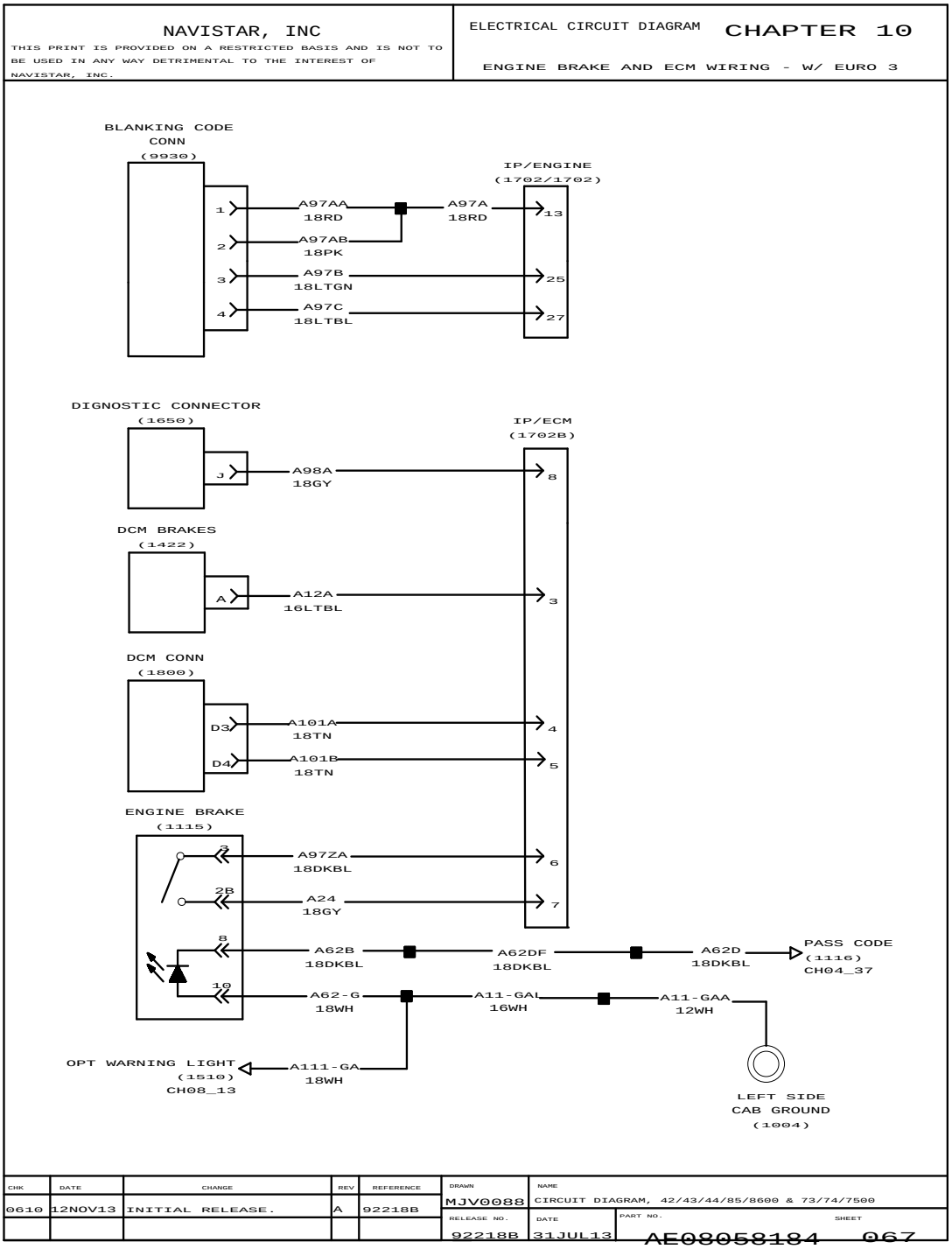

Figure 404 Engine Brake and ECM Wiring – with Euro 3

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10.96. IDLE CONTROL TEMPERATURE SENSOR, P. 68

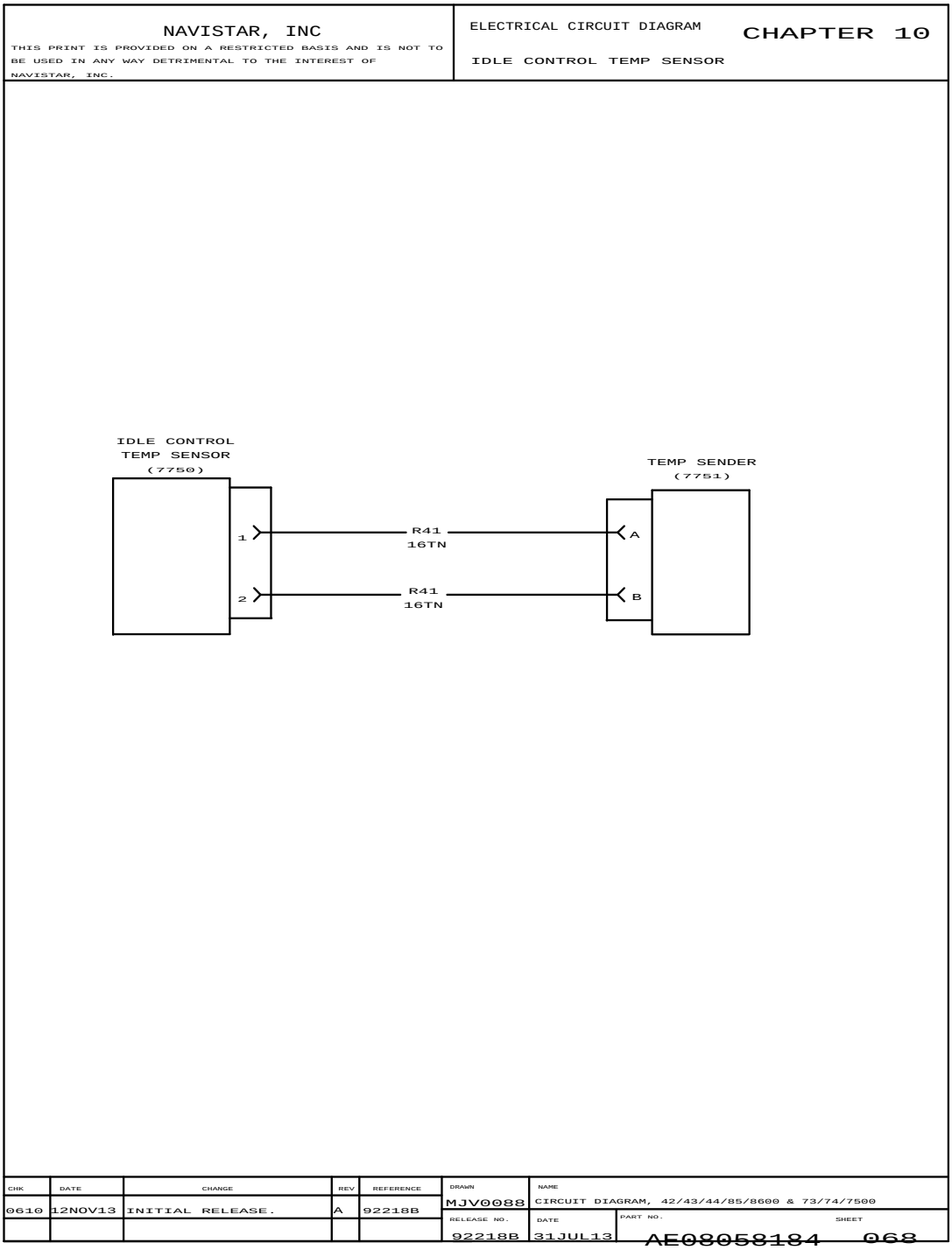

Figure 405 Idle Control Temperature Sensor

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10.97. BODY BUILDER (B) RELAYS AND FUSES WITH PDM, P. 69

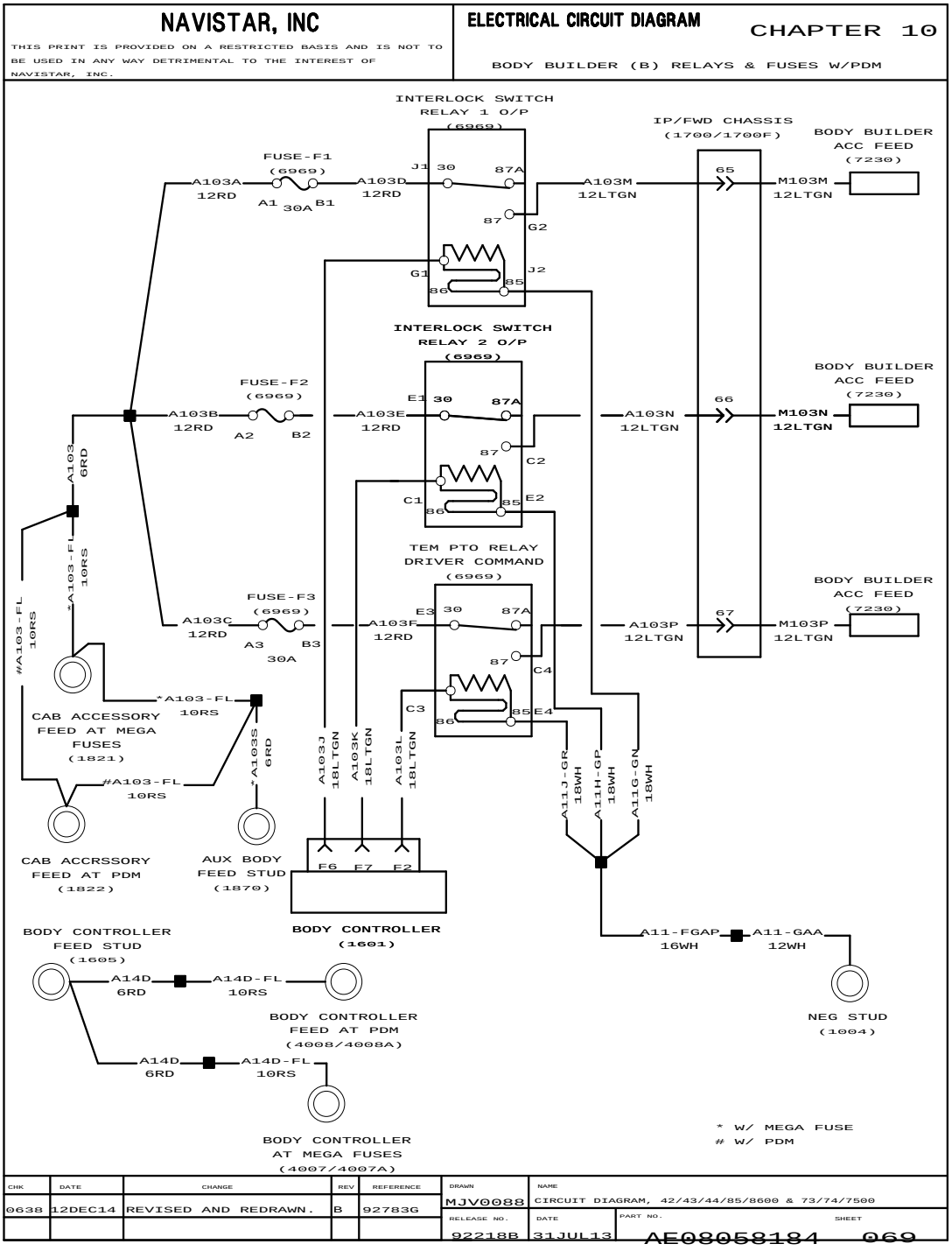

Figure 406 Body Builder (B) Relays and Fuses with PDM

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10.98. ABS – WABCO 4S / 4M, P. 70

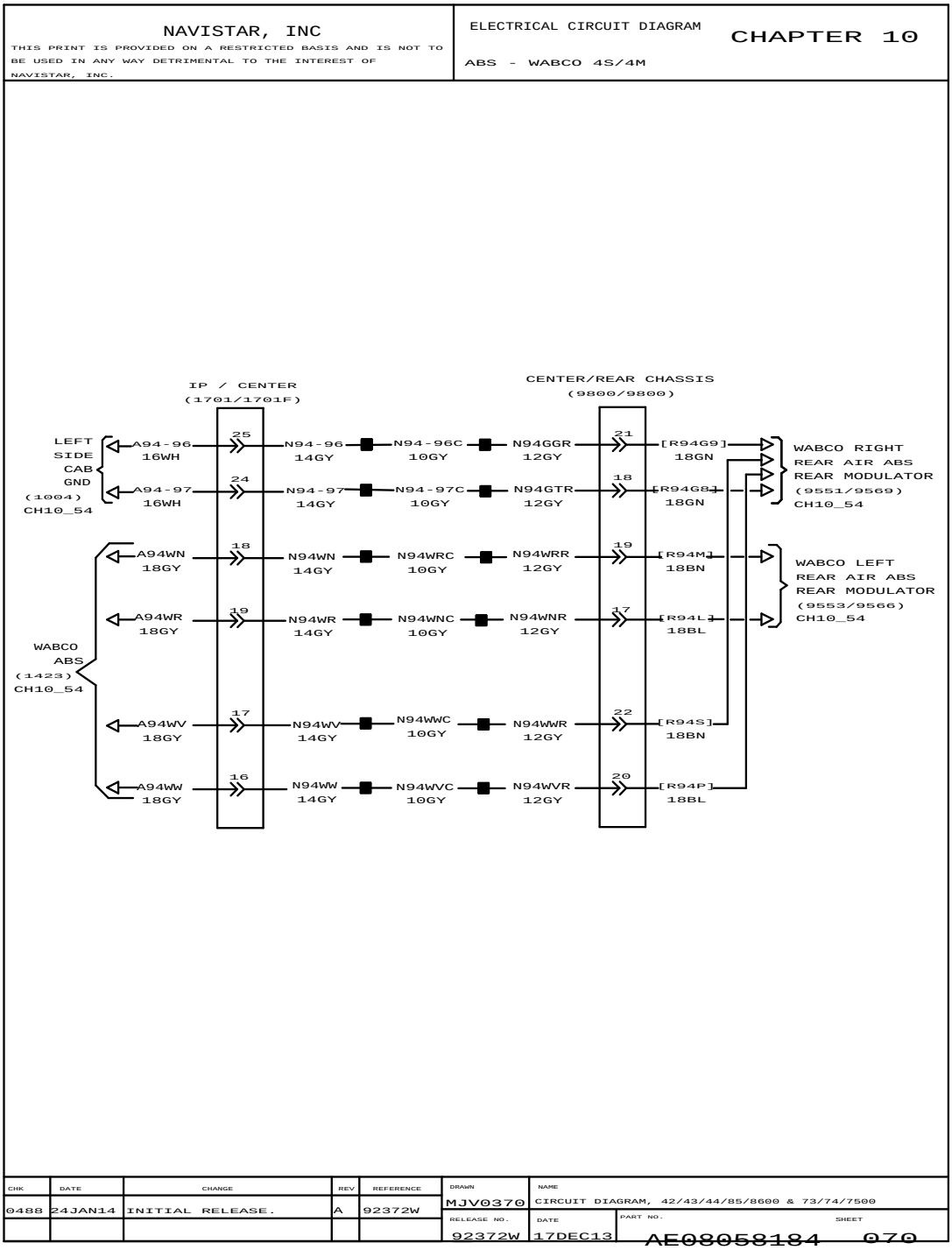

Figure 407 ABS – WABCO 4S / 4M

https://truckmanualshub.com/

10.99. ABS – WABCO 4S / 4M (CONT.), P. 70A

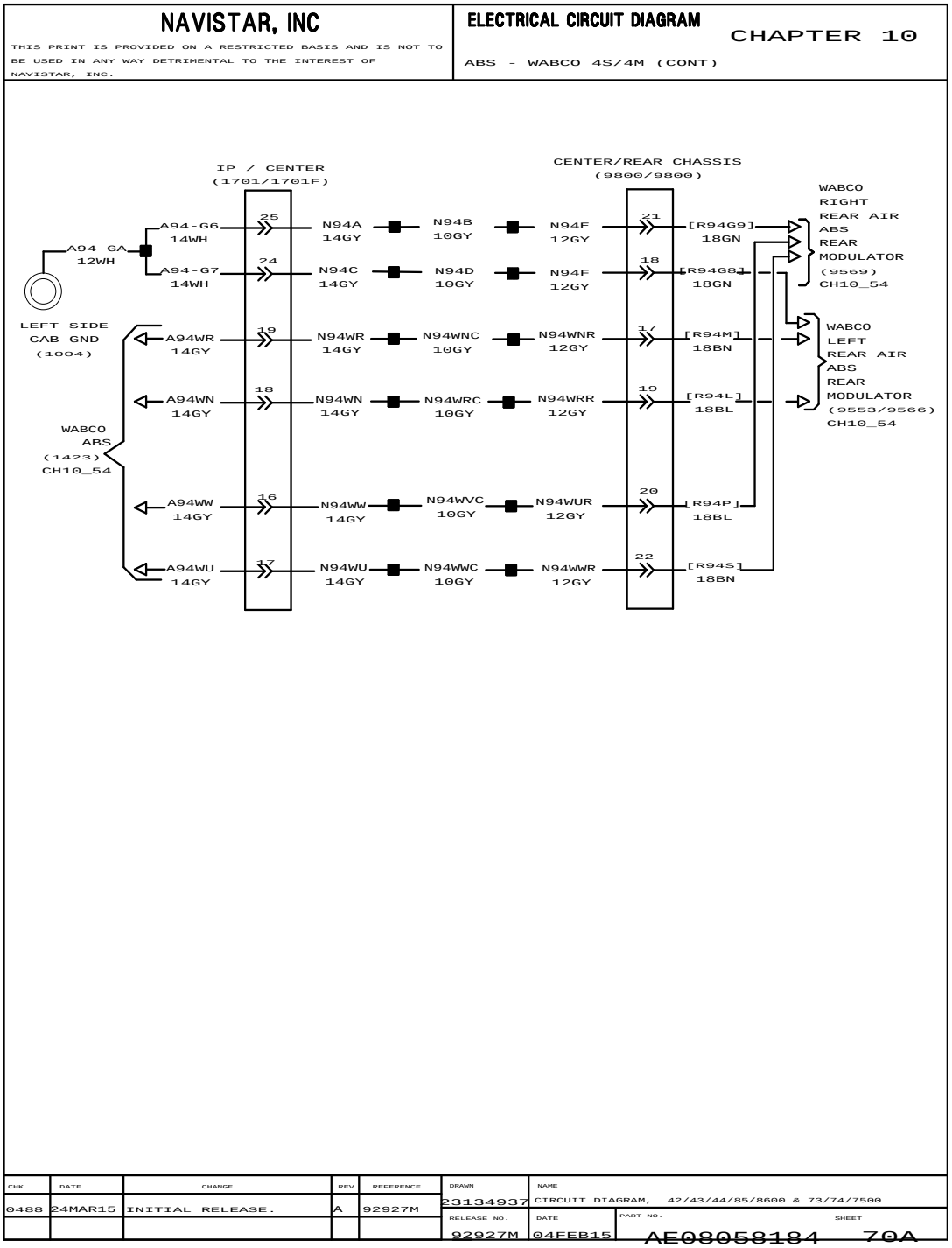

Figure 408 ABS – WABCO 4S / 4M (Cont.)

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10.100. HYDRAULIC BRAKES, P. 71

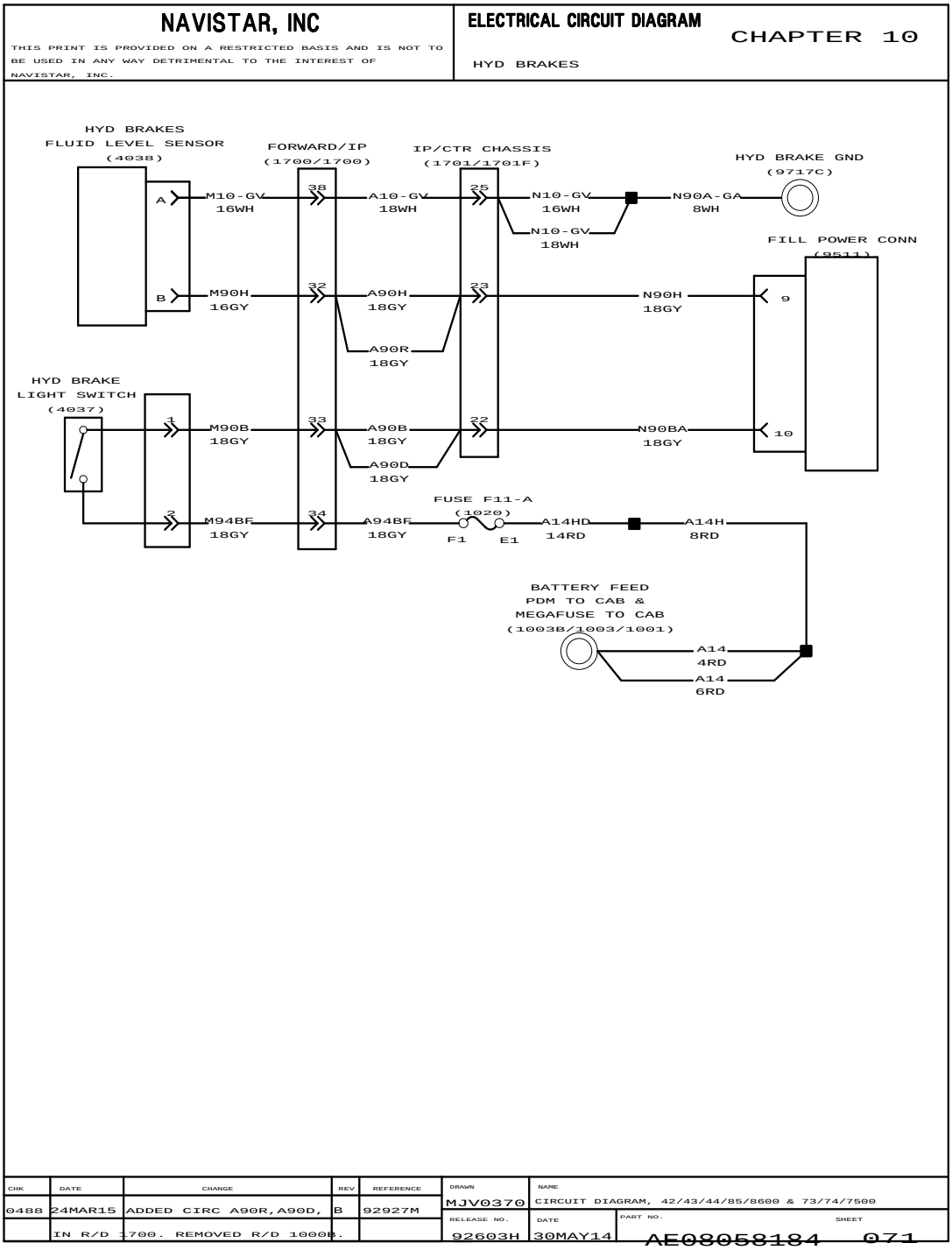

Figure 409 Hydraulic Brakes

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10.101. NEXT GEN HYDRAULIC BRAKES, P. 72

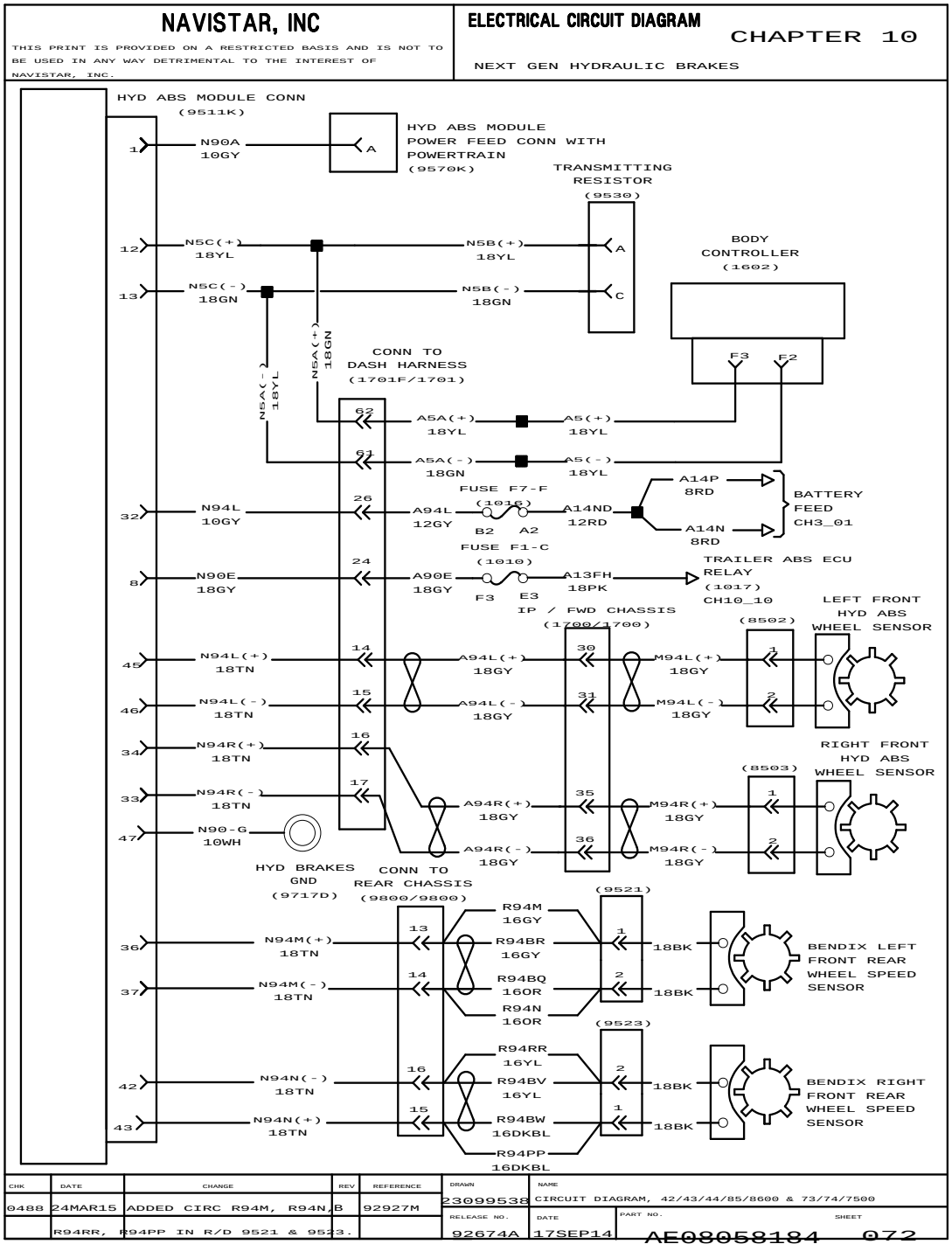

Figure 410 Next Gen Hydraulic Brakes

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10.102. NEXT GEN HYDRAULIC BRAKES (CONT.), P. 73

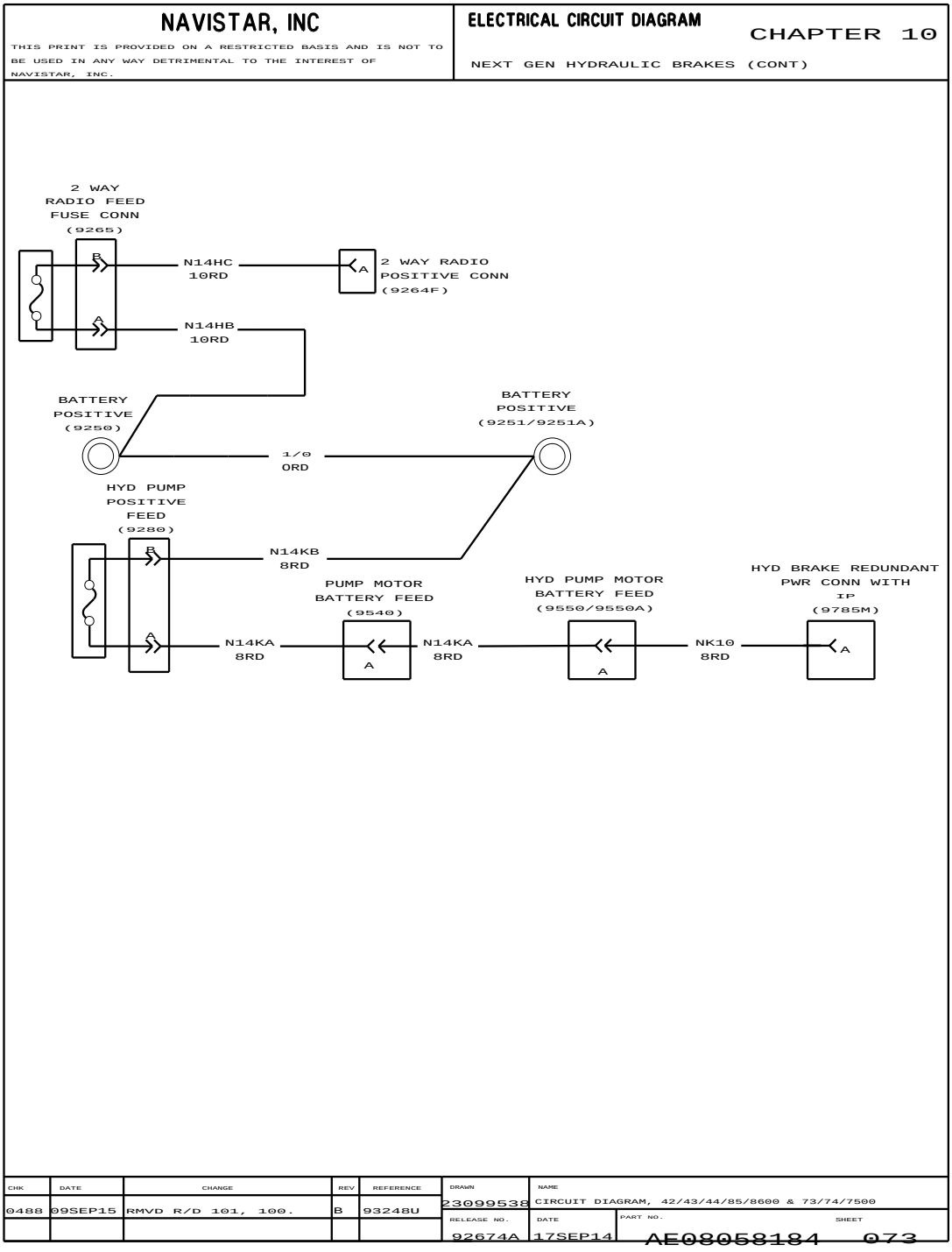

Figure 411 Next Gen Hydraulic Brakes (Cont.)

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10.103. NEXT GEN HYDRAULIC BRAKES (CONT.), P. 74

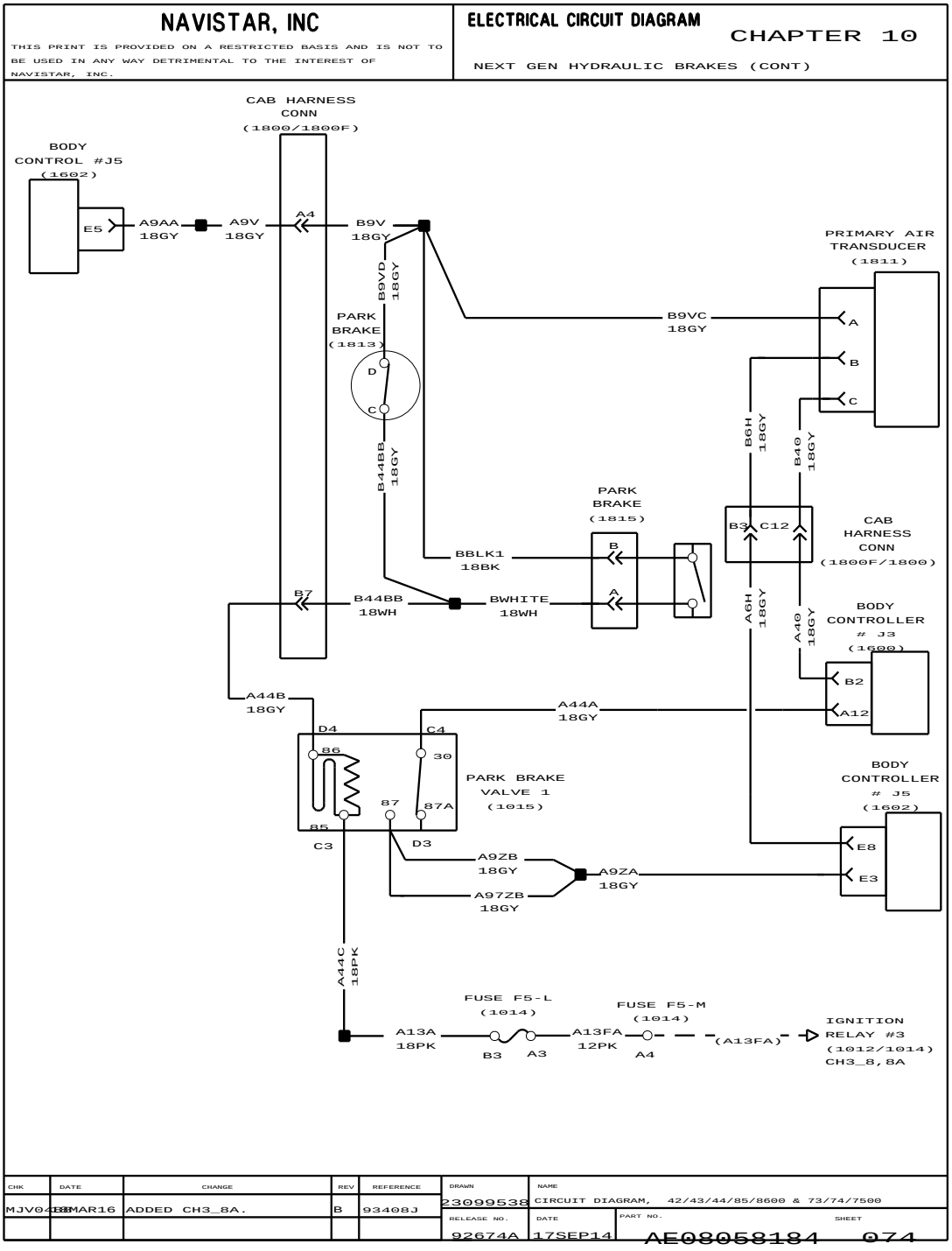

Figure 412 Next Gen Hydraulic Brakes (Cont.)

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10.104. NEXT GEN HYDRAULIC BRAKES (CONT.), P. 75

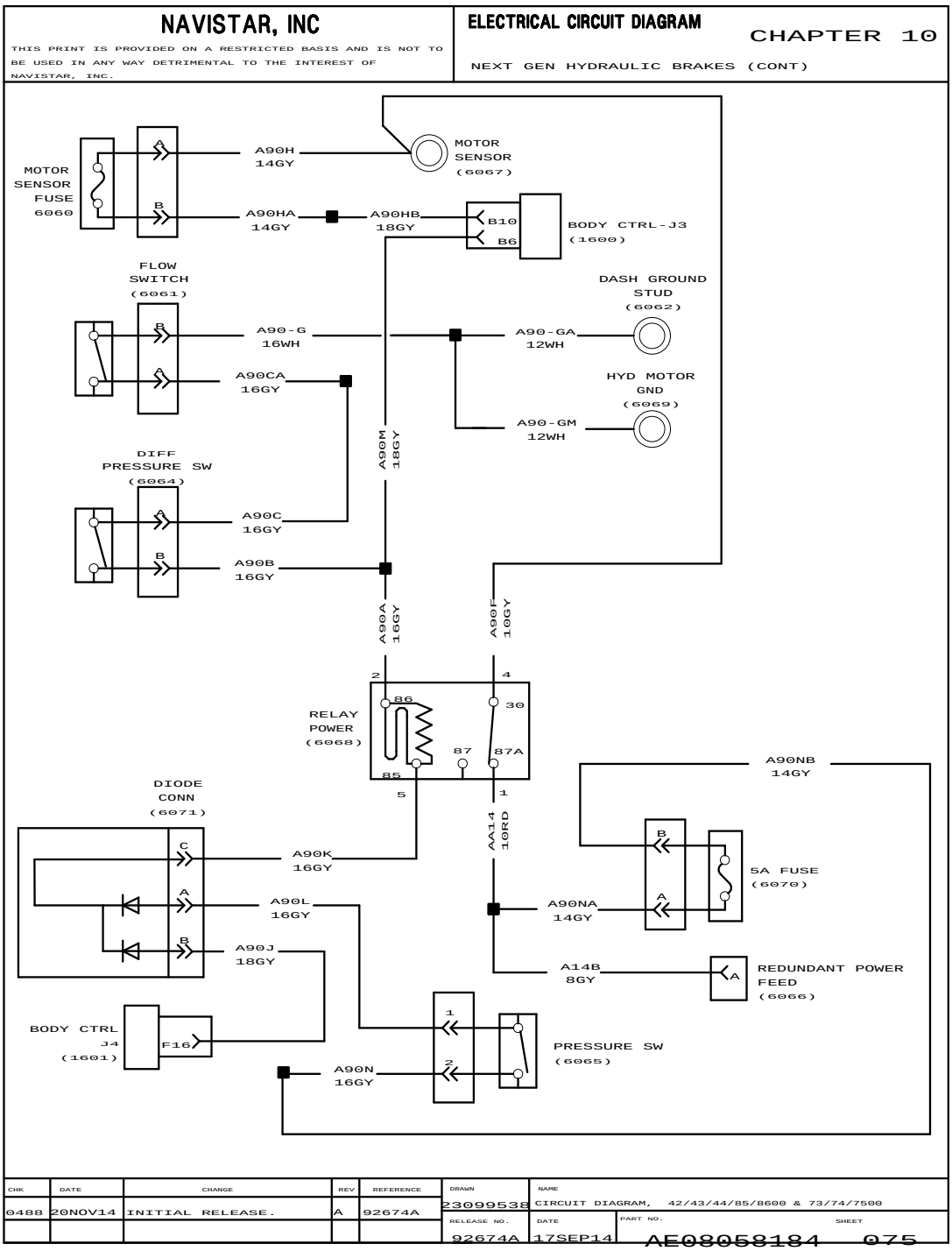

Figure 413 Next Gen Hydraulic Brakes (Cont.)

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10.105. NEXT GEN HYDRAULIC BRAKES (CONT.), P. 76

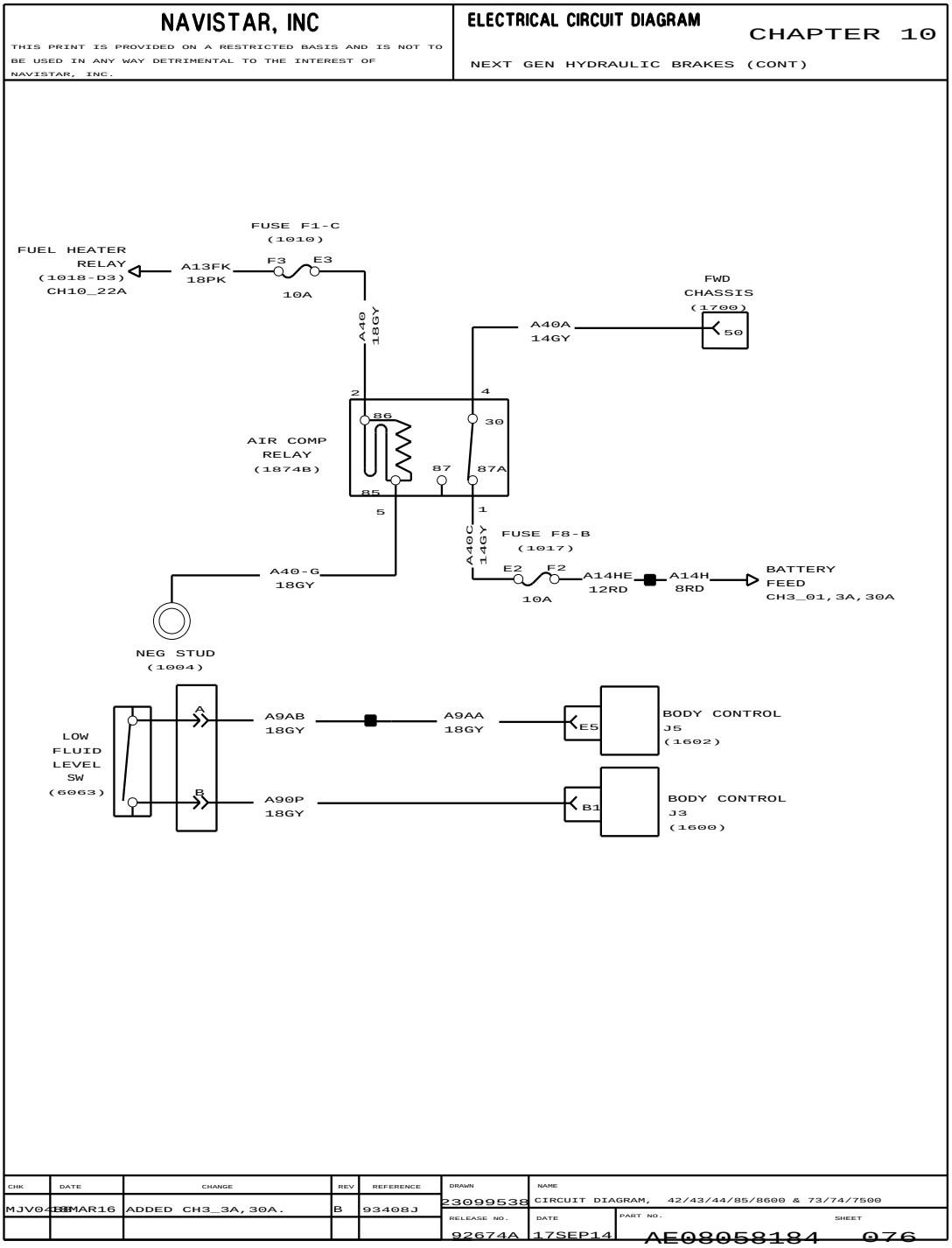

Figure 414 Next Gen Hydraulic Brakes (Cont.)

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10.106. REMOTE START / STOP WITH UTILITY BODY WITH 500K BAUD RATE, P. 77

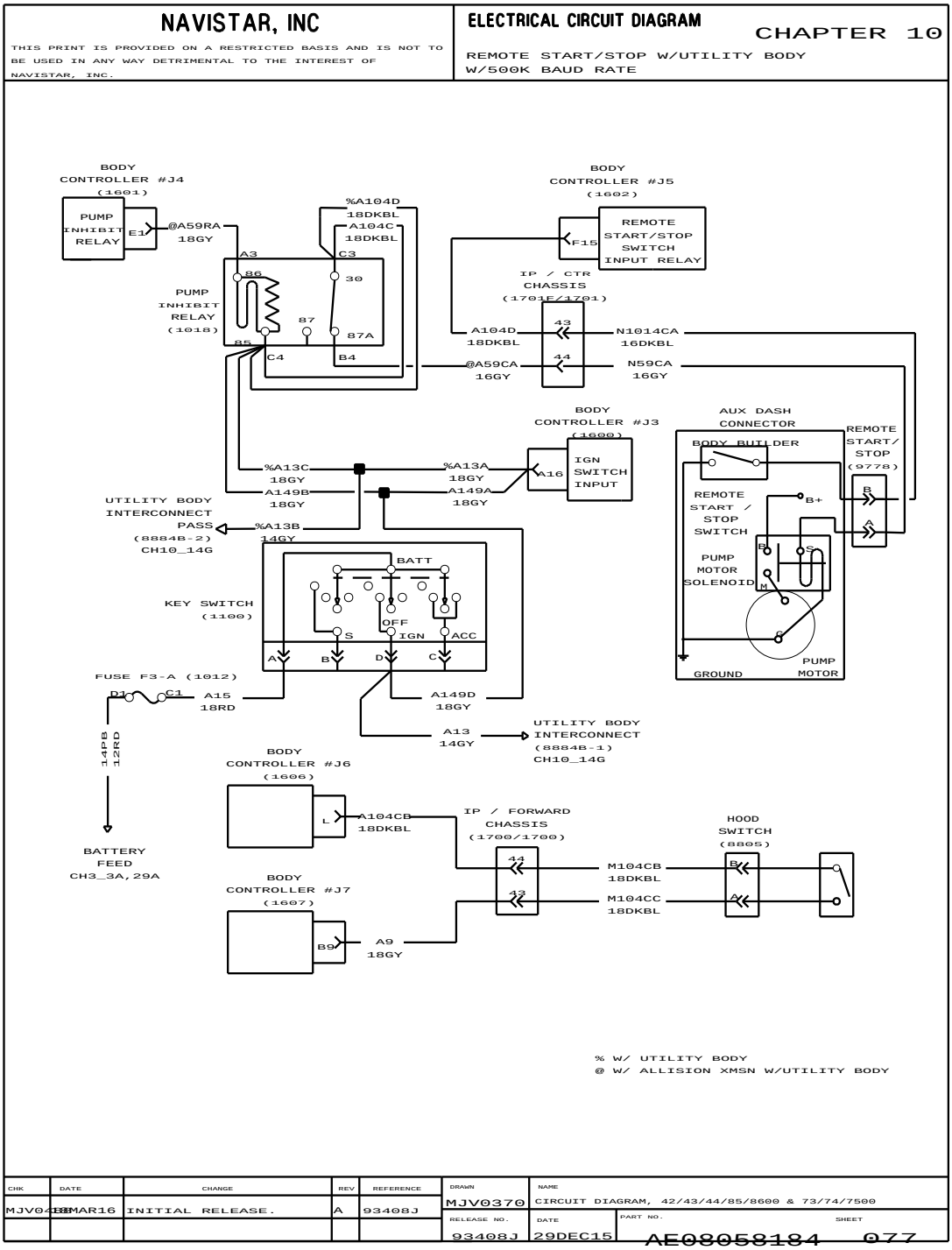

Figure 415 Remote Start / Stop with Utility Body with 500K Baud Rate

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TRANSMISSIONS (CHAPTER 11)

11.1. ALLISON GEN 4 1/2000 TRANSMISSION WITH I6 AND V8 ENGINE, P. 1

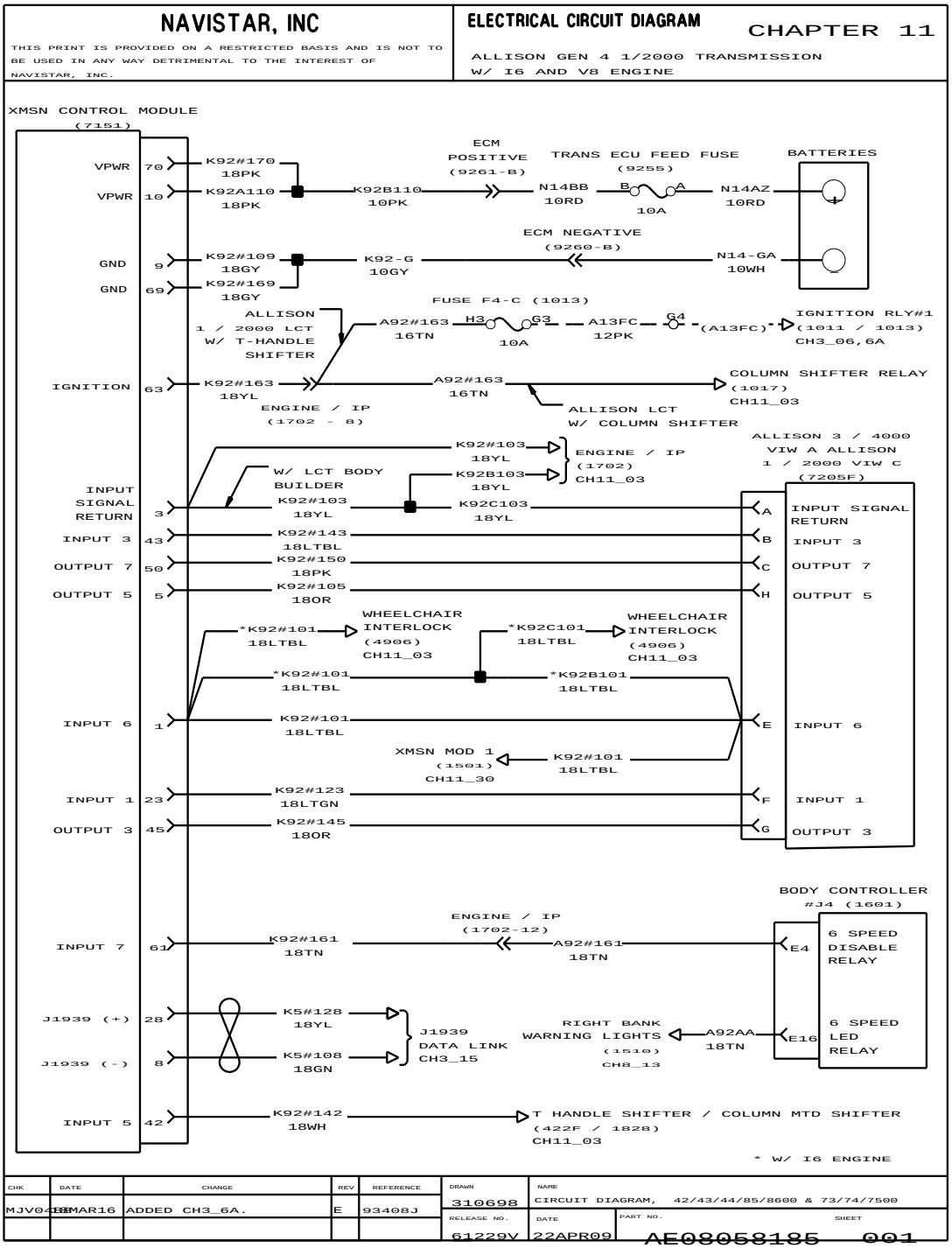

Figure 416 Allison Gen 4 1/2000 Transmission with I6 and V8 Engine

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11.2. ALLISON GEN 4 1/2000 TRANSMISSION WITH I6 AND V8 ENGINES (CONT.), P. 2

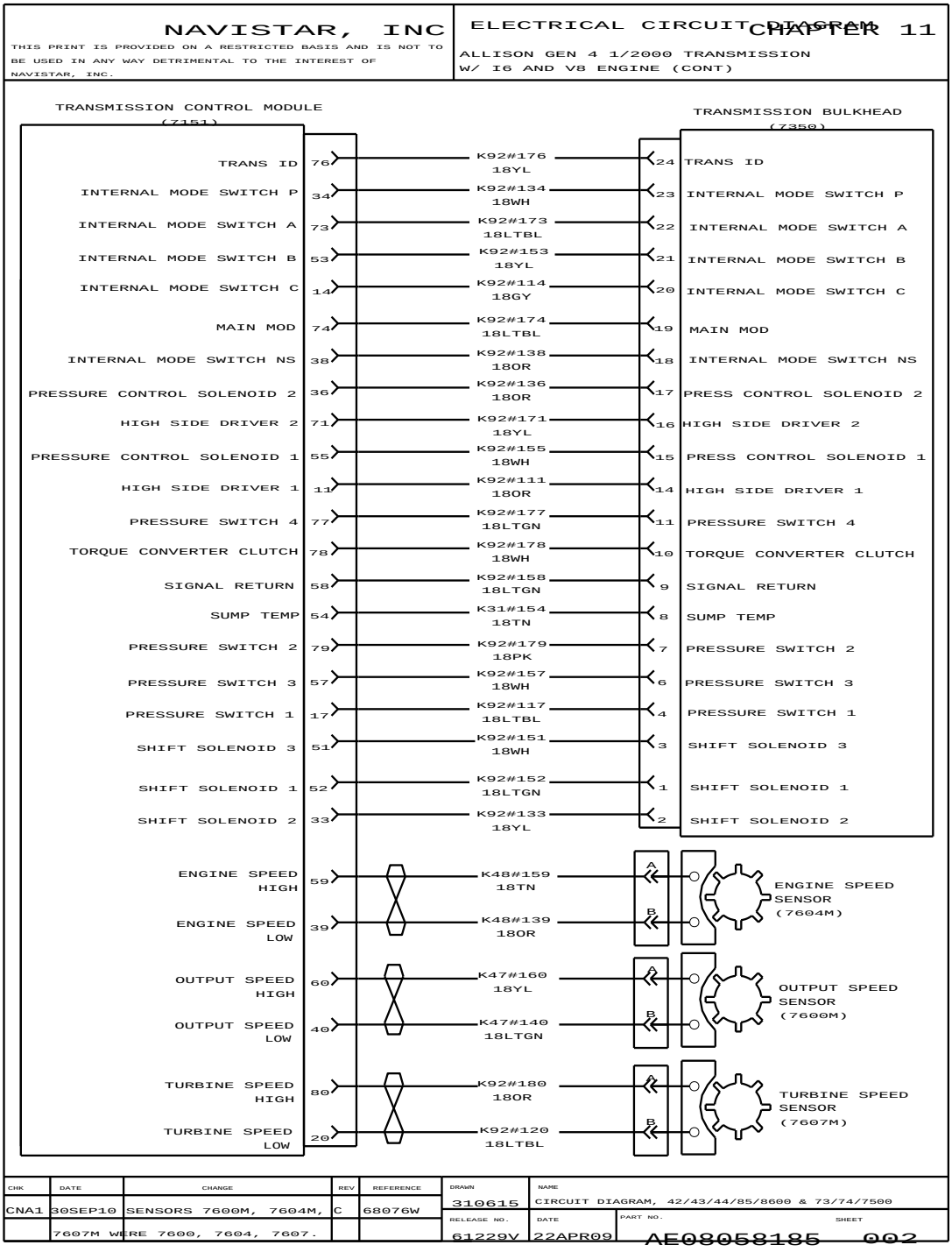

Figure 417 Allison GEN 4 1/2000 Transmission with I6 and V8 Engines (Cont.)

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11.3. ALLISON GEN 4 1/2000 TRANSMISSION WITH I6 AND V8 ENGINES (CONT.), P. 3

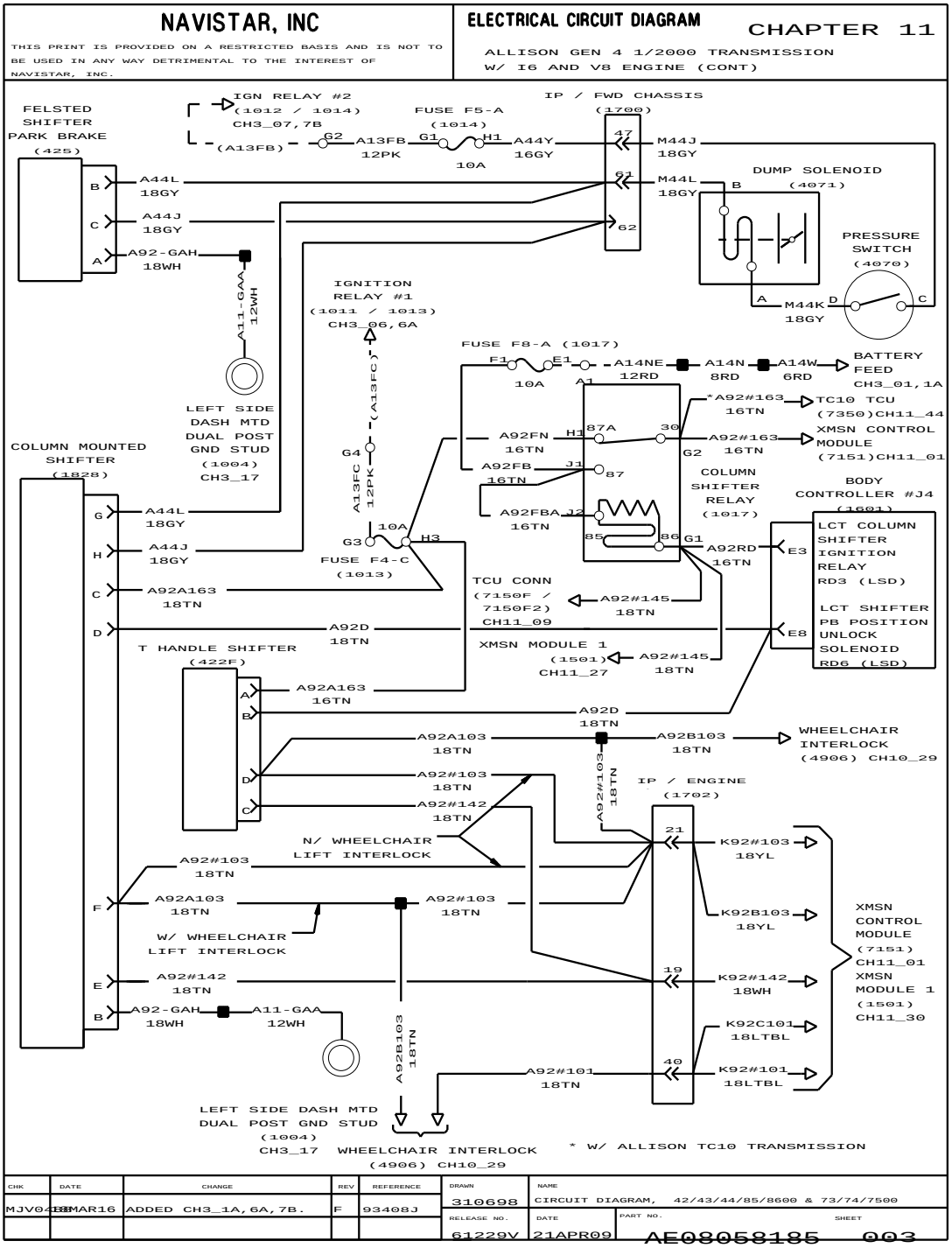

Figure 418 Allison GEN 4 1/2000 Transmission with I6 and V8 Engines (Cont.)

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11.4. ALLISON GEN 4 1/2000 TRANSMISSION WITH I6 AND V8 ENGINES (CONT.), P. 3A

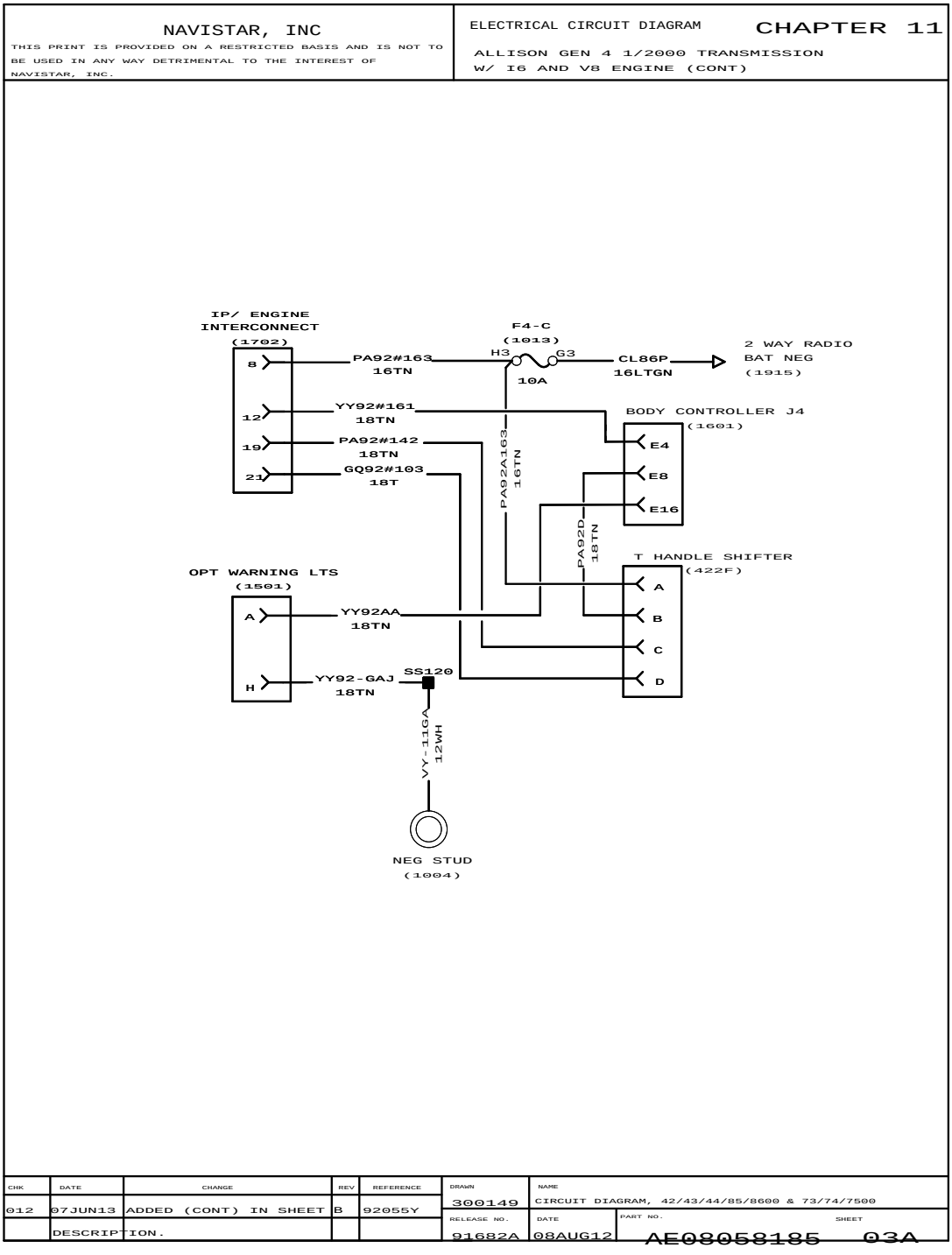

Figure 419 Allison GEN 4 1/2000 Transmission with I6 and V8 Engines (Cont.)

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11.5. TRANSMISSION, ALLISON MD WITH I6 AND V8 ENGINES, P. 4

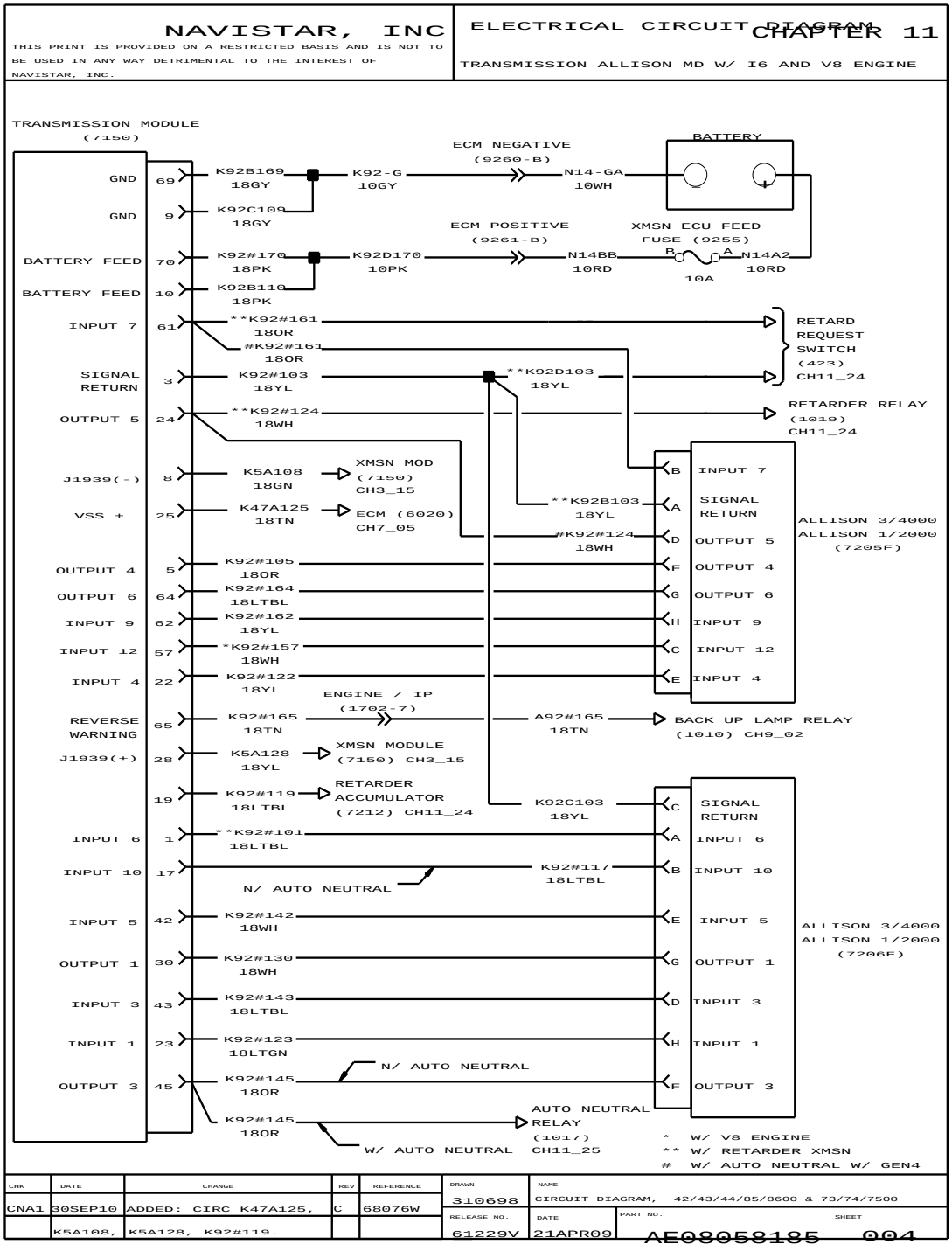

Figure 420 Transmission, Allison MD with I6 and V8 Engines

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11.6. TRANSMISSION, ALLISON MD 3/4000 WITH I6 AND V8 ENGINES, P. 5

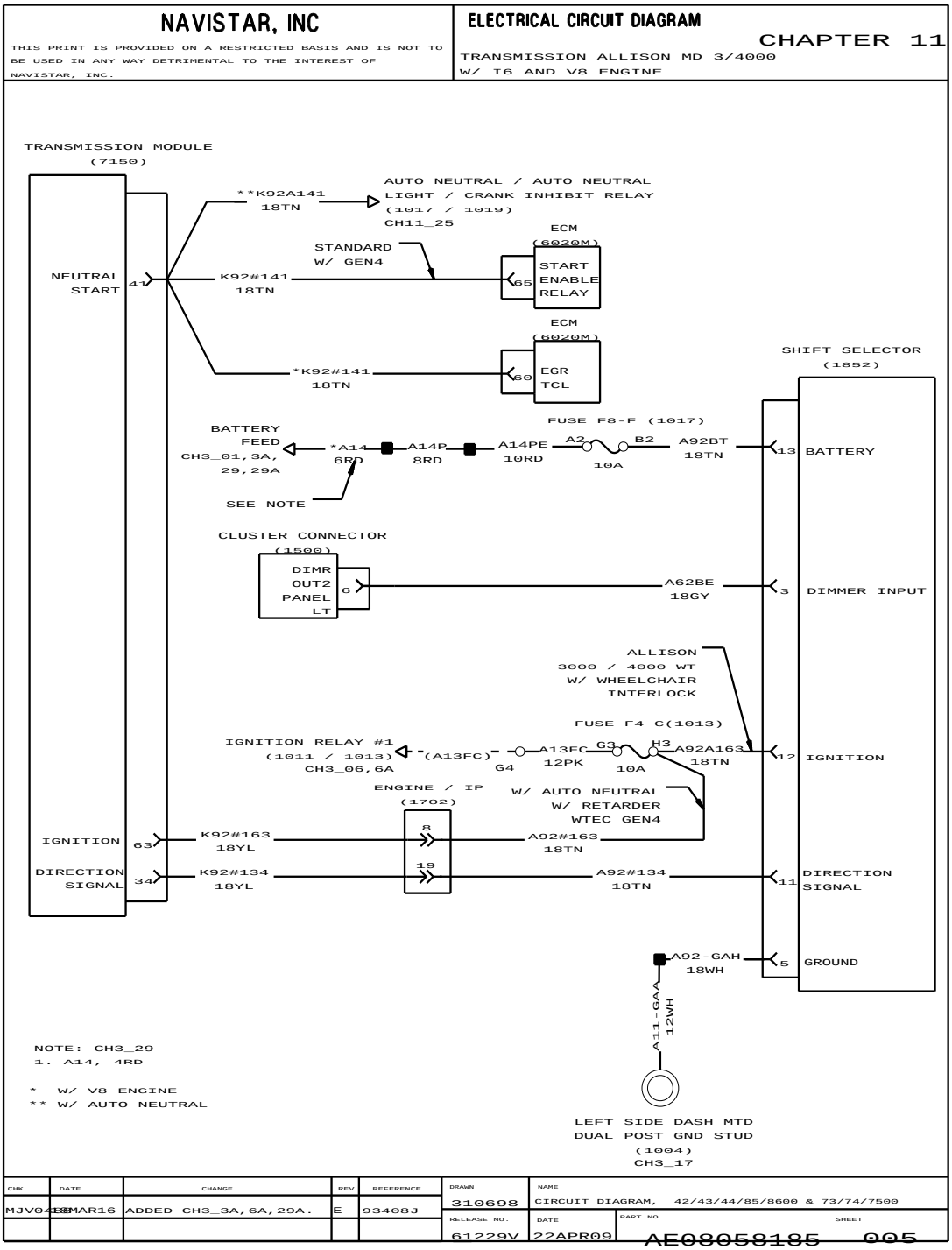

Figure 421 Transmission, Allison MD 3/4000 with I6 and V8 Engines

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11.7. TRANSMISSION, ALLISON MD / HD (WTEC) WITH I6 AND V8 ENGINES, P. 6

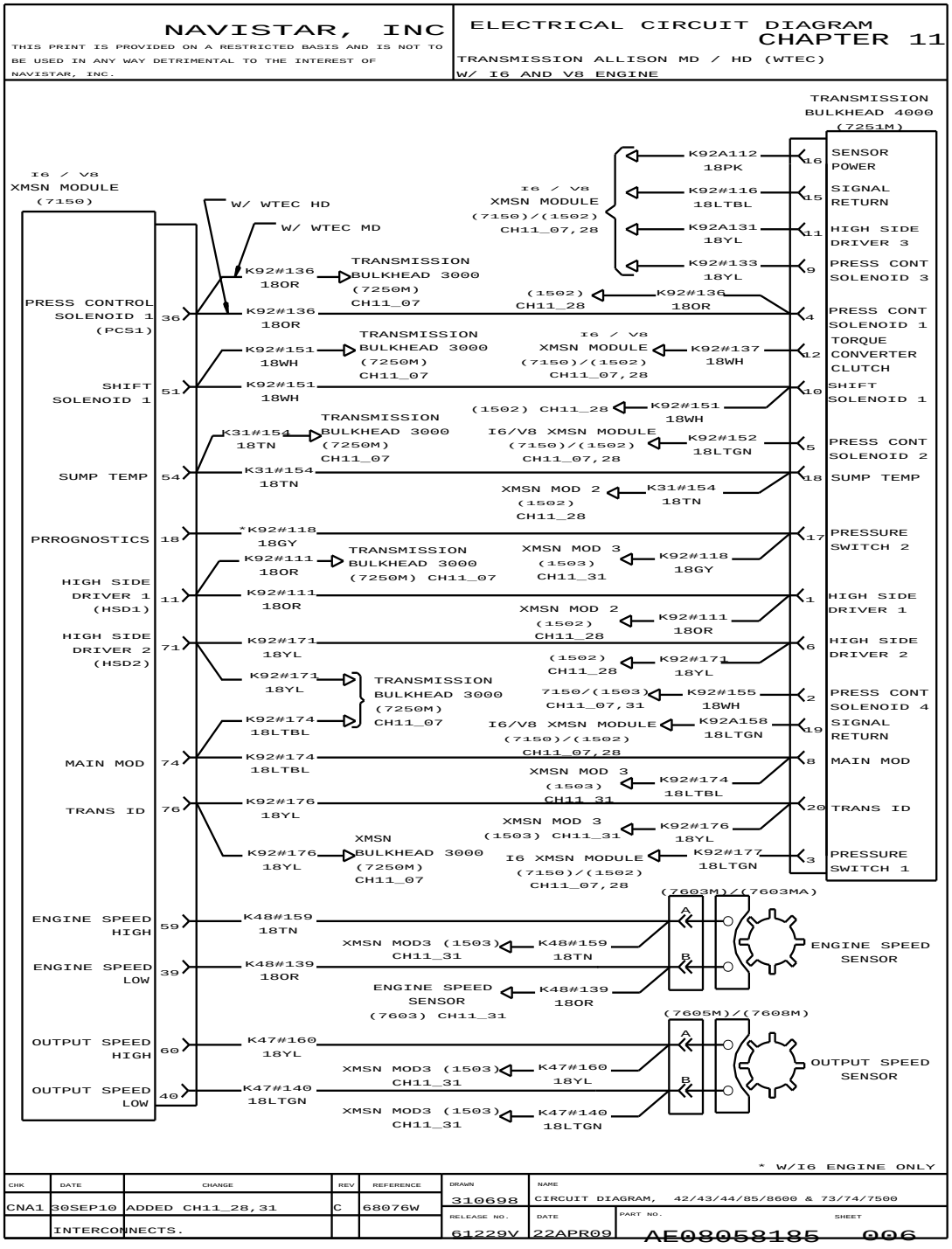

Figure 422 Transmission, Allison MD / HD (WTEC) with I6 and V8 Engines

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11.8. TRANSMISSION, ALLISON MD / HD (WTEC) WITH I6 AND V8 ENGINES (CONT.), P. 7

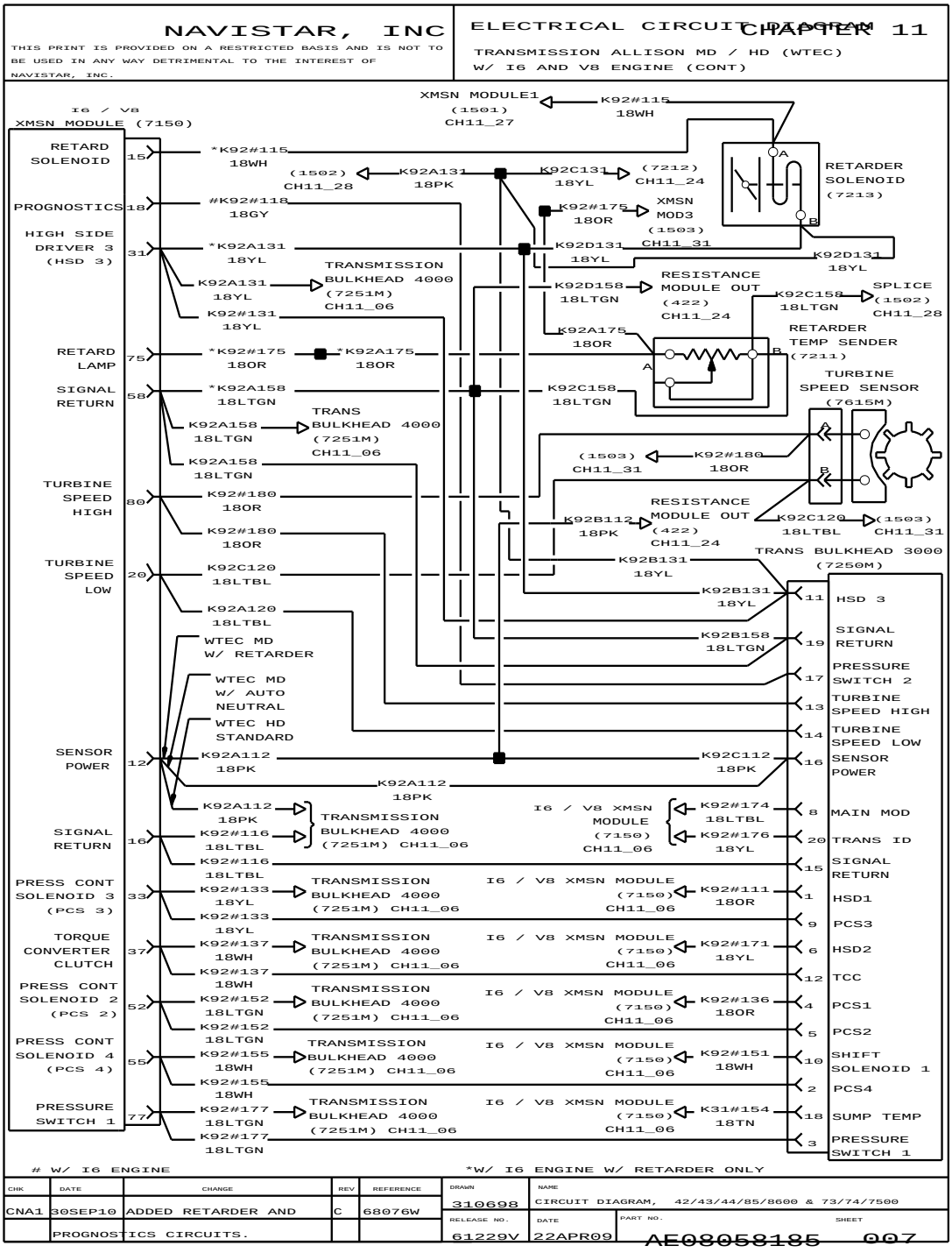

Figure 423 Transmission, Allison MD / HD (WTEC) with I6 and V8 Engines (Cont.)

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11.9. TRANSMISSION, ALLISON MD (WTEC), P. 8

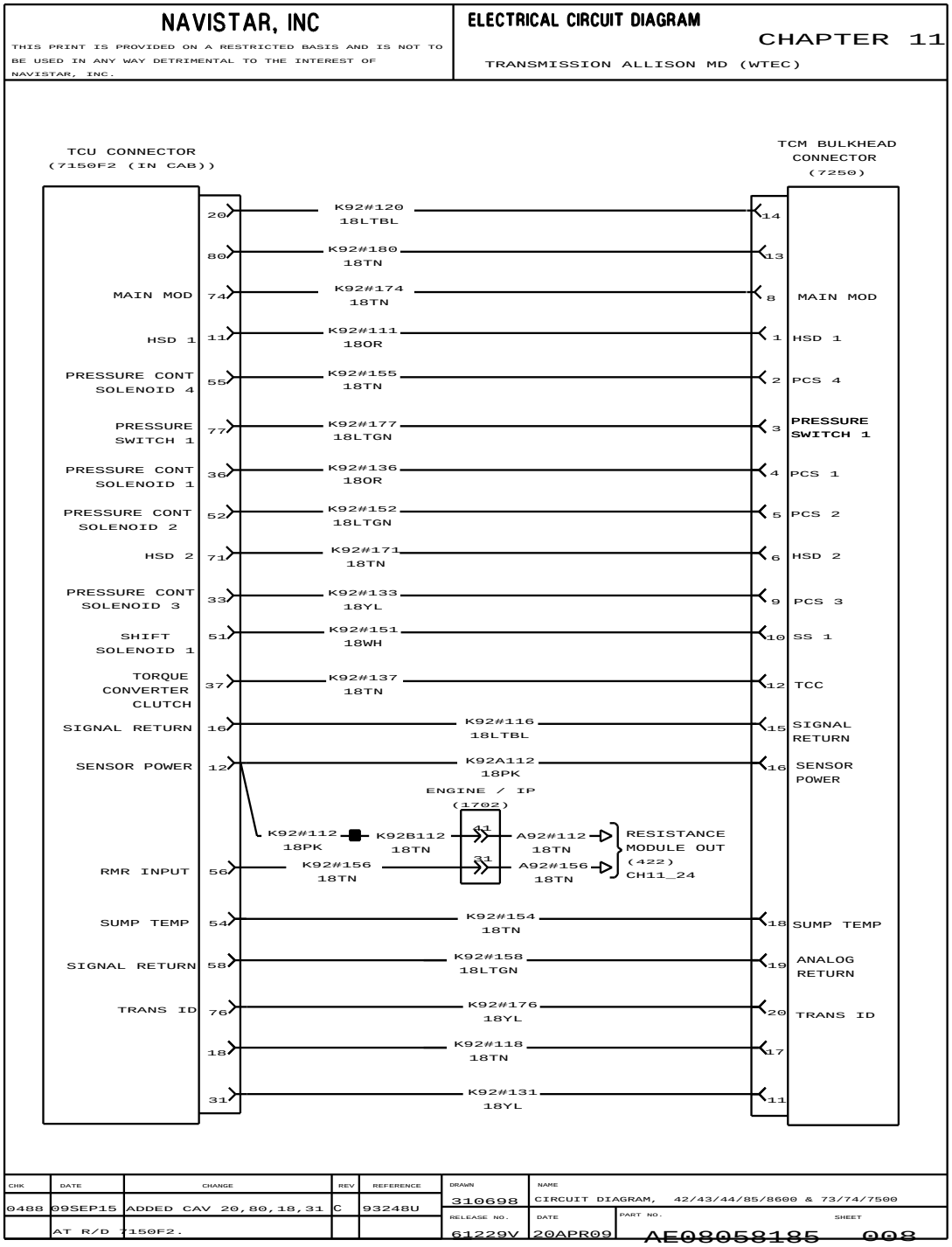

Figure 424 Transmission, Allison MD (WTEC)

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11.10. TRANSMISSION, ALLISON MD (WTEC) (CONT.), P. 9

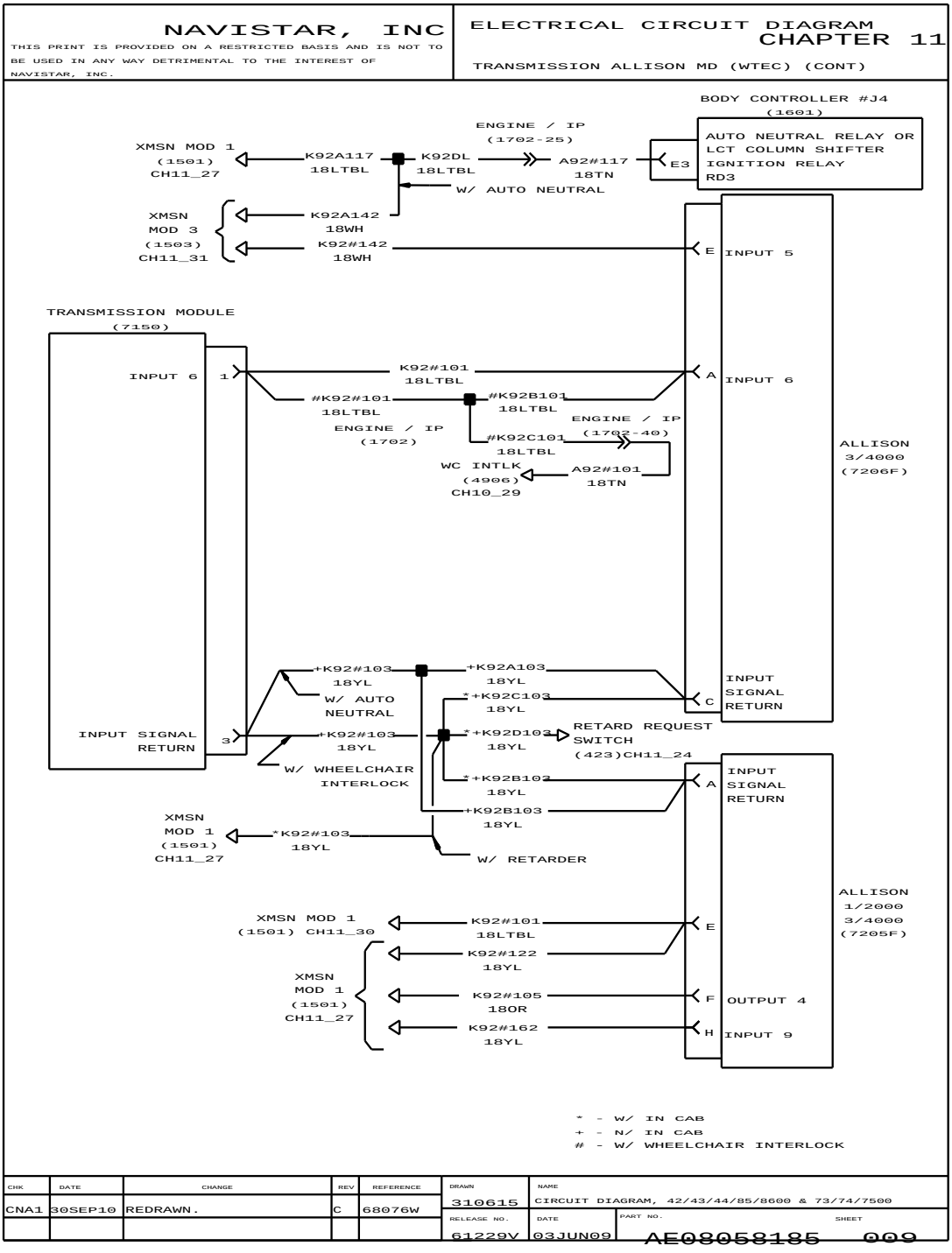

Figure 425 Transmission, Allison MD (WTEC) (Cont.)

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11.11. EATON AUTOSHIFT, P. 10

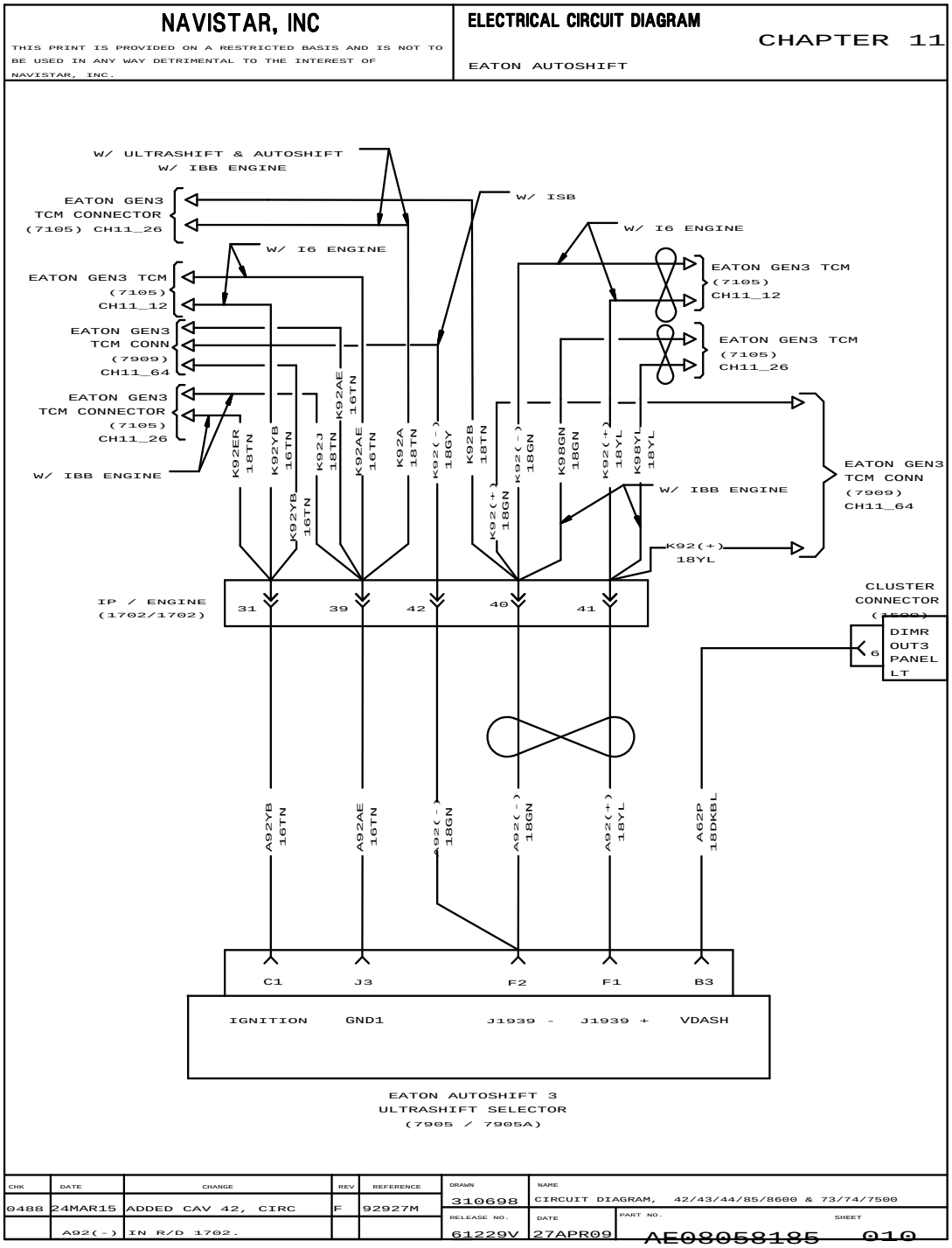

Figure 426 Eaton Autoshift

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11.12. EATON AUTOSHIFT (CONT.), P. 11

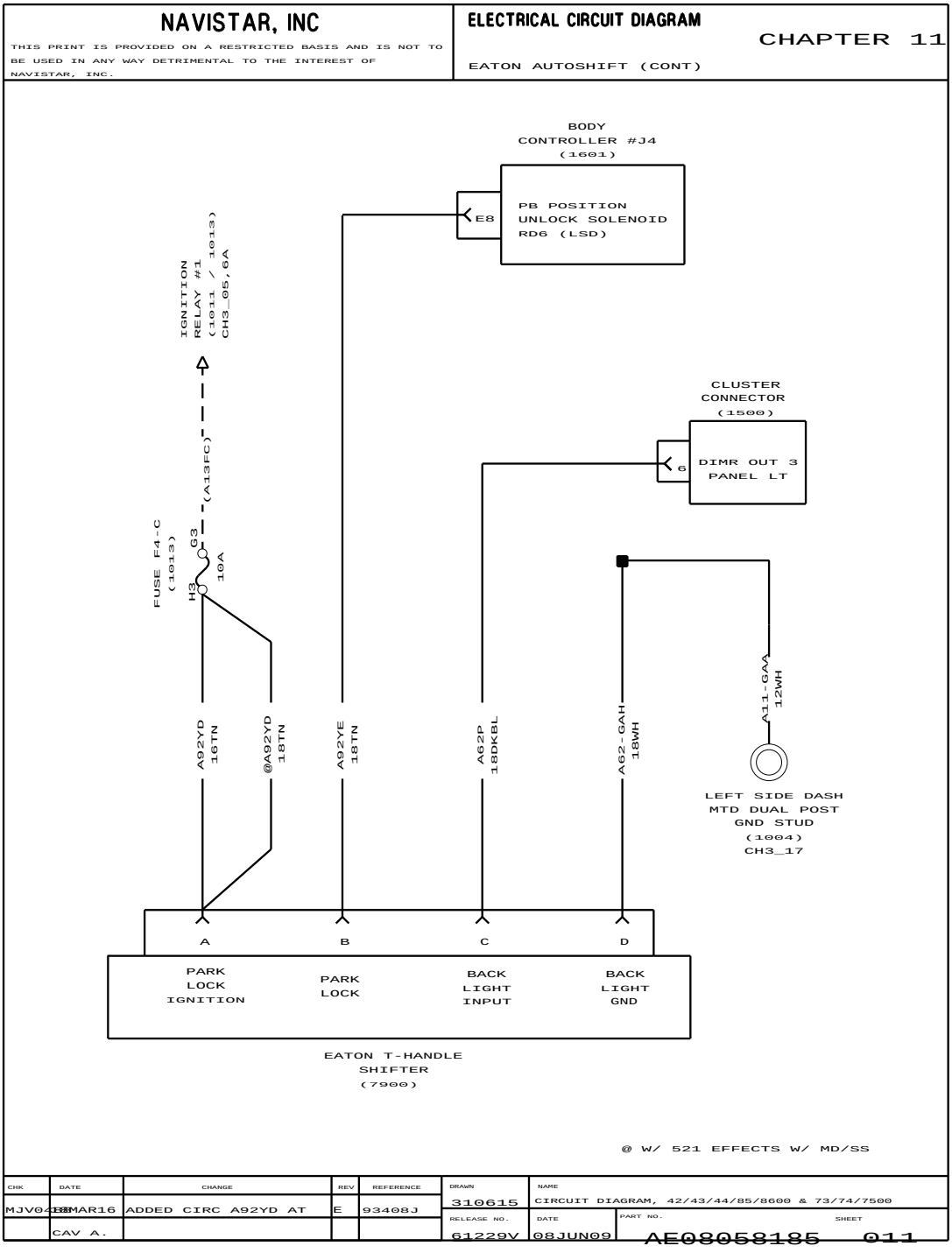

Figure 427 Eaton Autoshift (Cont.)

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11.13. EATON AUTOSHIFT TRANSMISSION WITH I6 ENGINE, P. 12

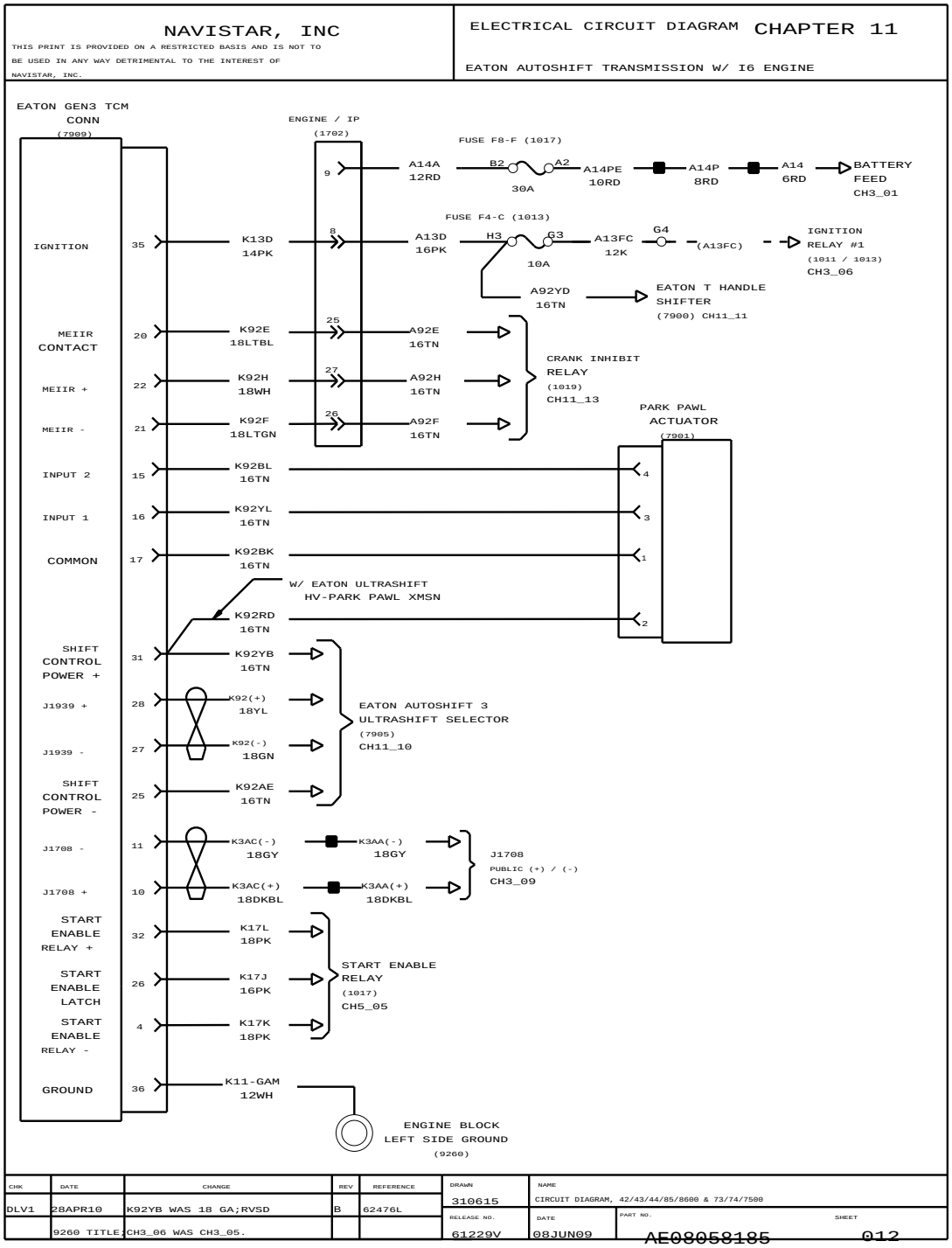

Figure 428 Eaton Autoshift Transmission with I6 Engine

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11.14. EATON ULTRASHIFT GEN 3 / MERITOR G MANUAL TRANSMISSION, P. 13

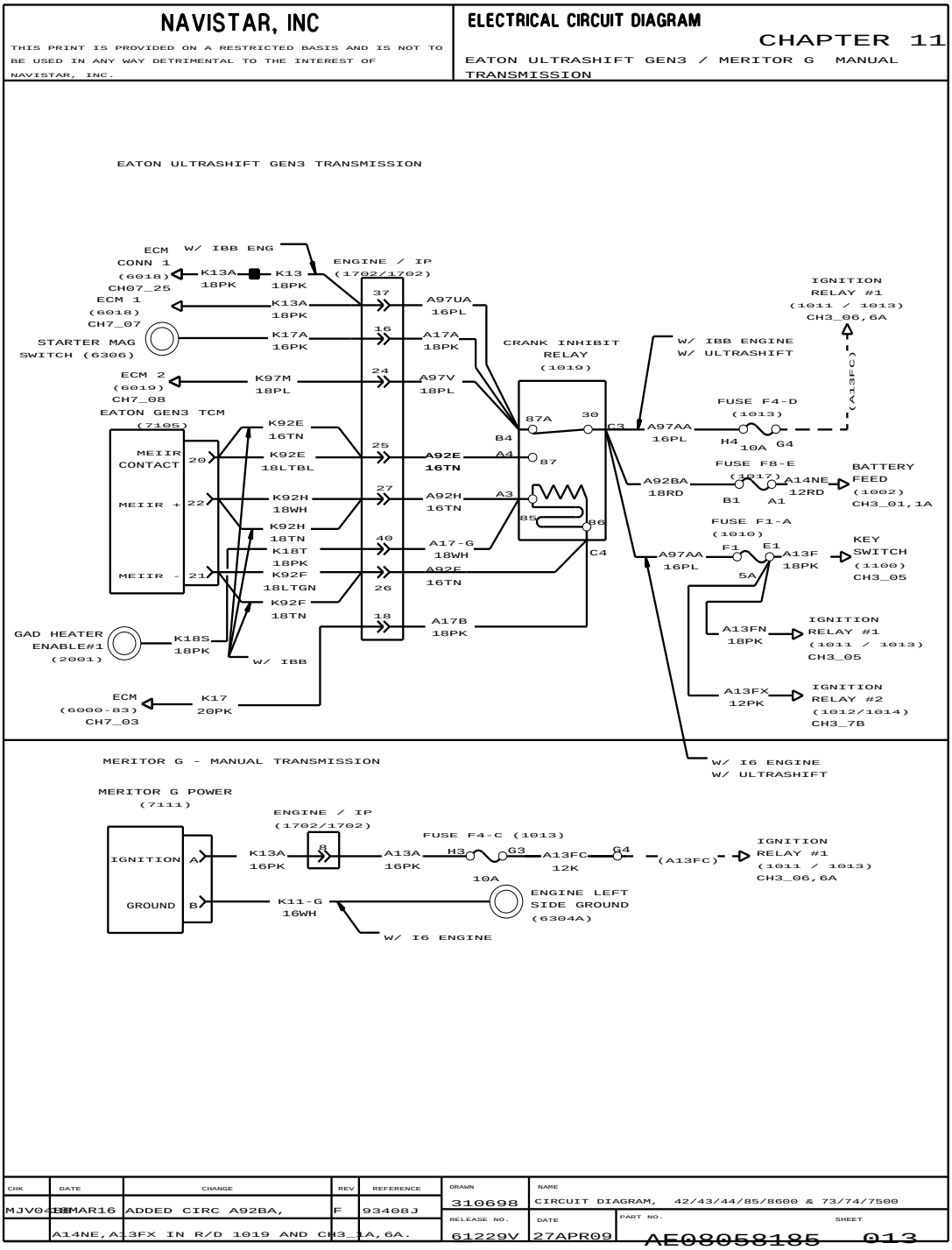

Figure 429 Eaton Ultrashift Gen 3 / Meritor G Manual Transmission

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11.15. EATON HYBRID TRANSMISSION, P. 14

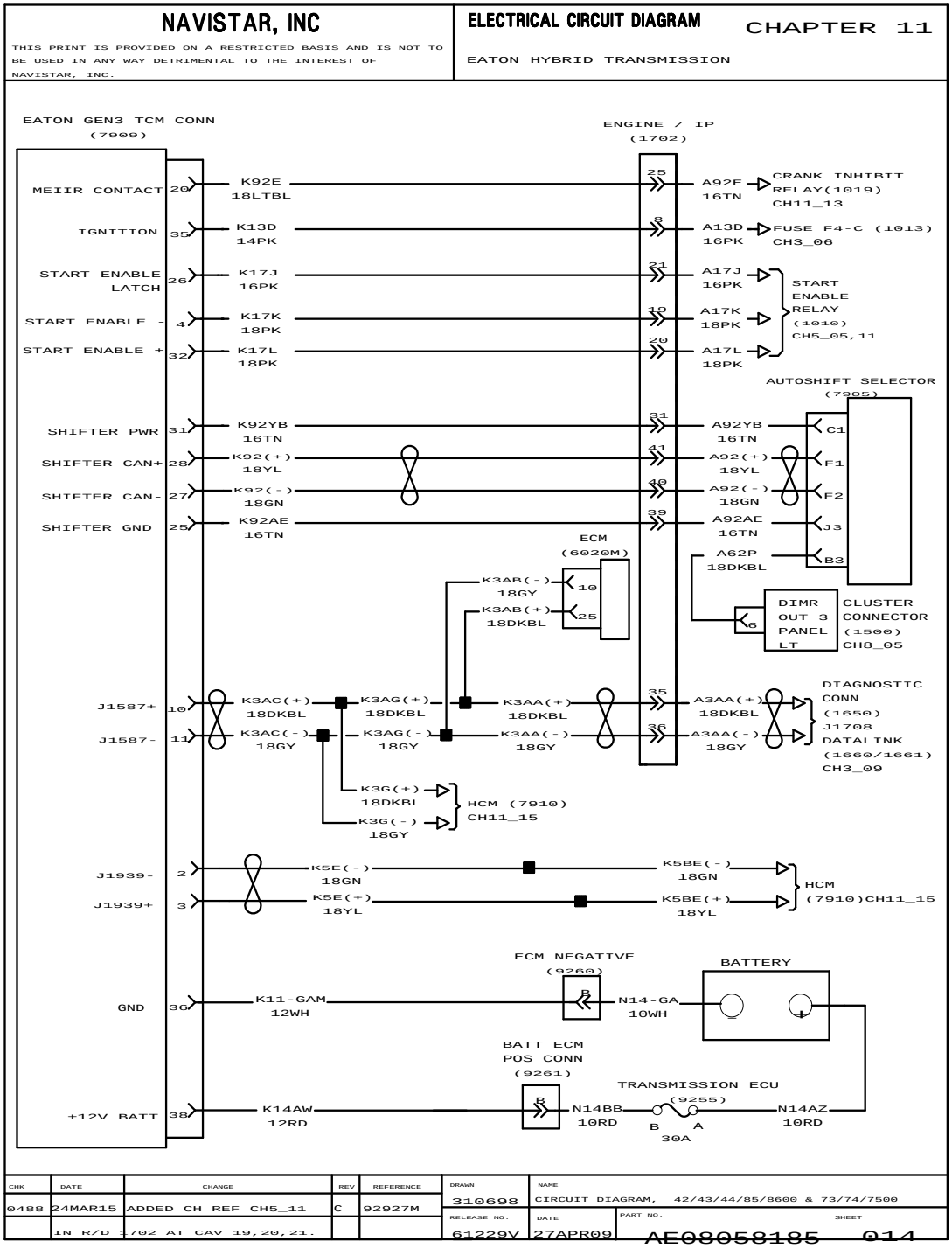

Figure 430 Eaton Hybrid Transmission

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11.16. EATON HYBRID TRANSMISSION (CONT.), P. 15

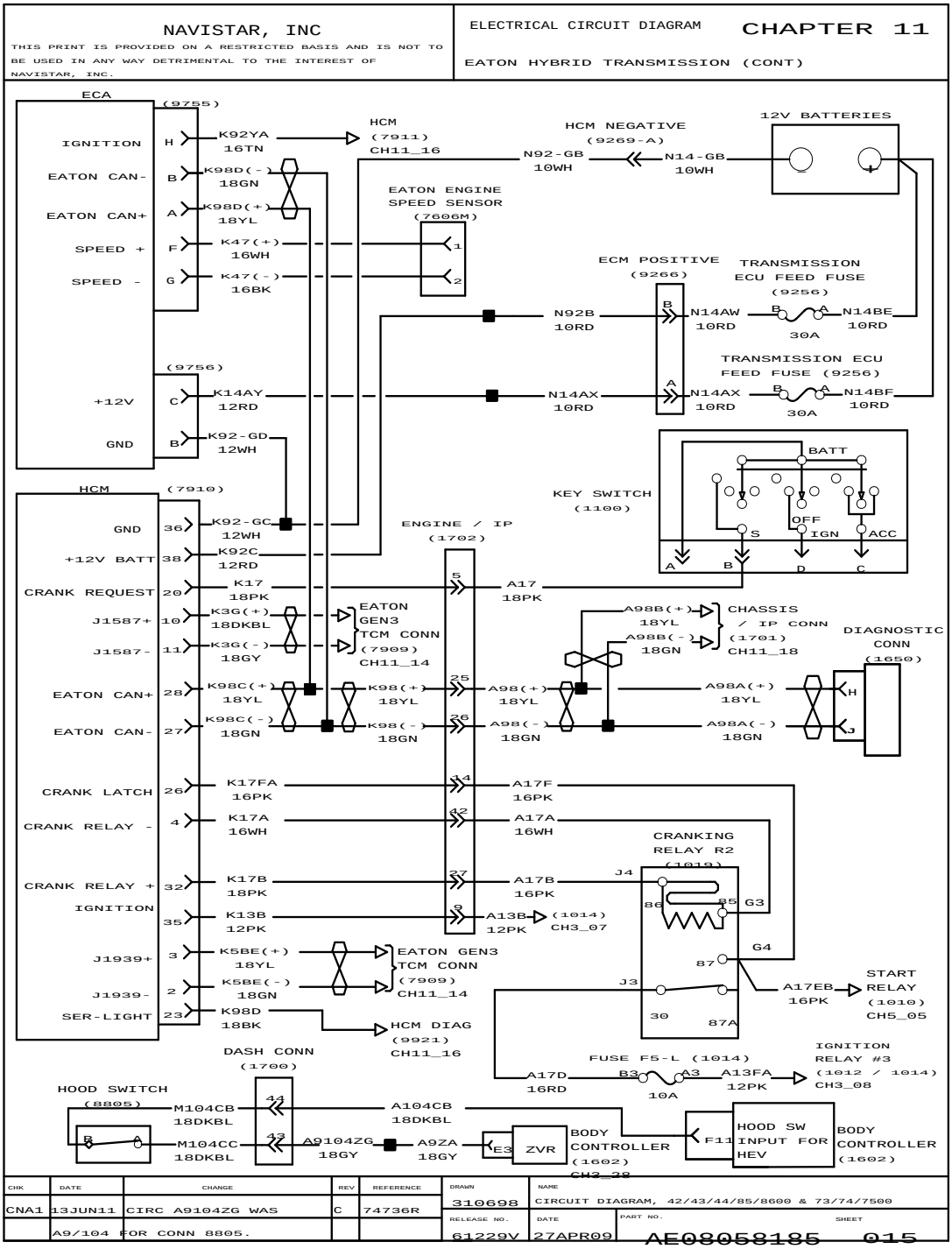

Figure 431 Eaton Hybrid Transmission (Cont.)

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11.17. EATON HYBRID TRANSMISSION (CONT.), P. 16

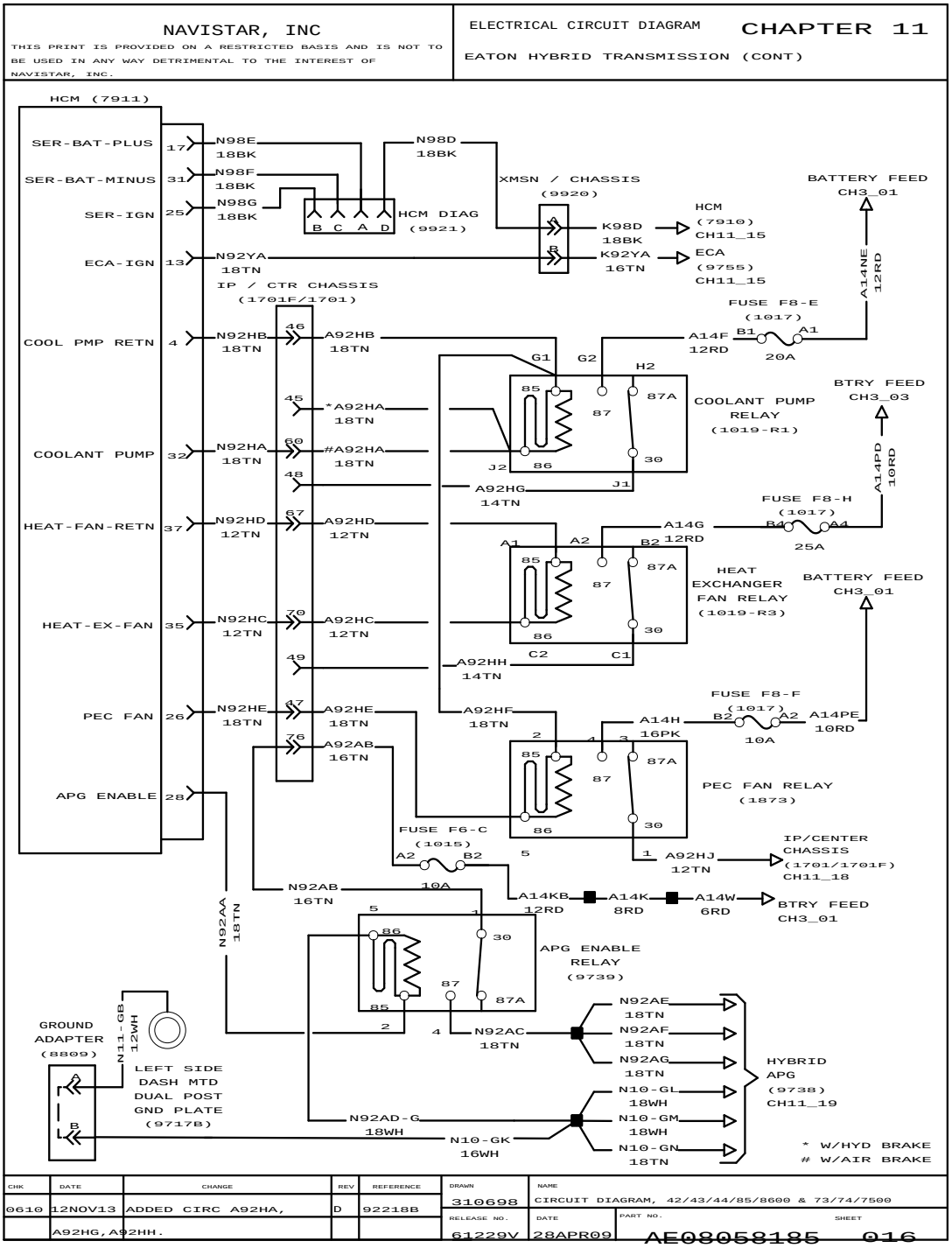

Figure 432 Eaton Hybrid Transmission (Cont.)

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11.18. EATON HYBRID TRANSMISSION (CONT.), P. 17

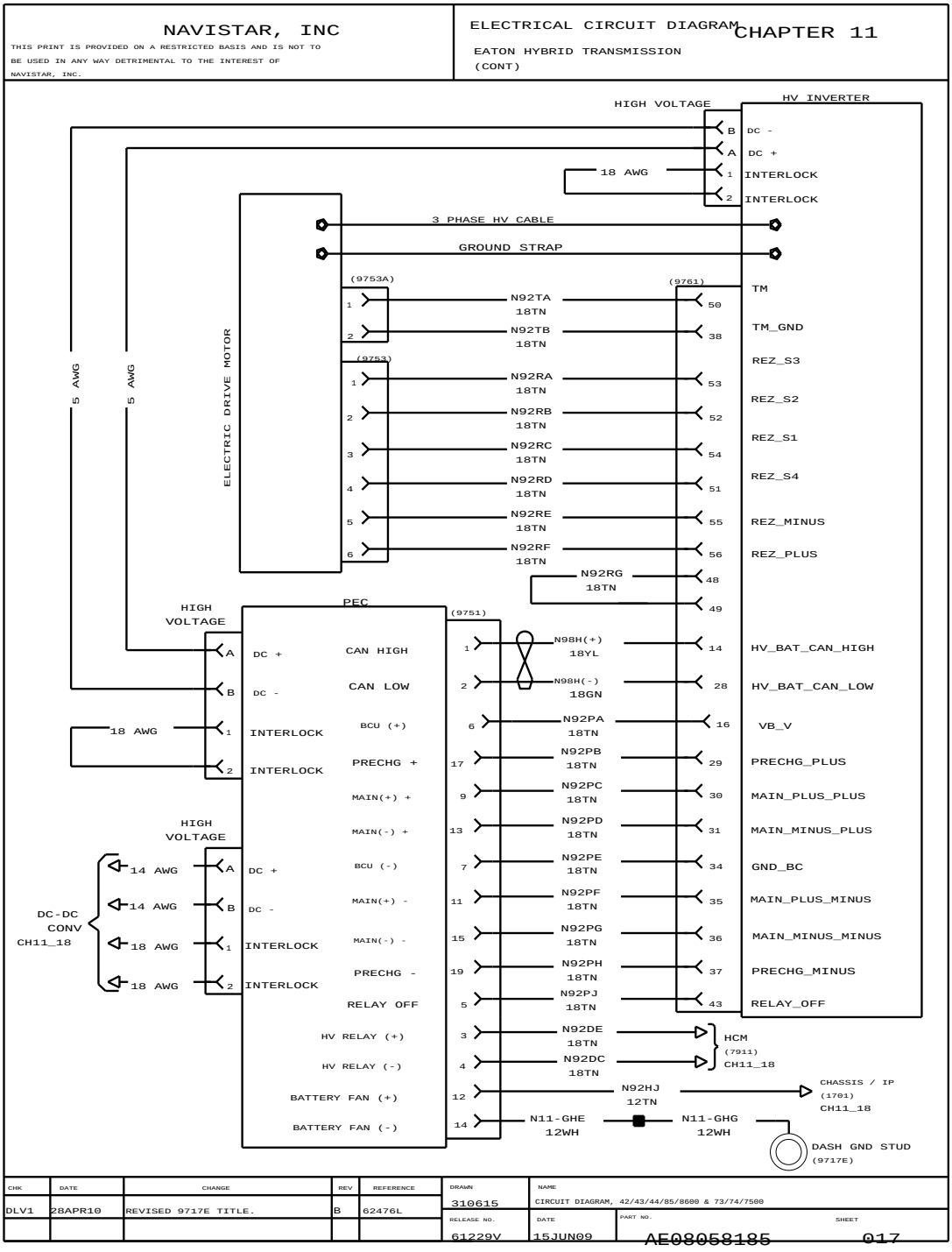

Figure 433 Eaton Hybrid Transmission (Cont.)

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11.19. EATON HYBRID TRANSMISSION (CONT.), P. 18

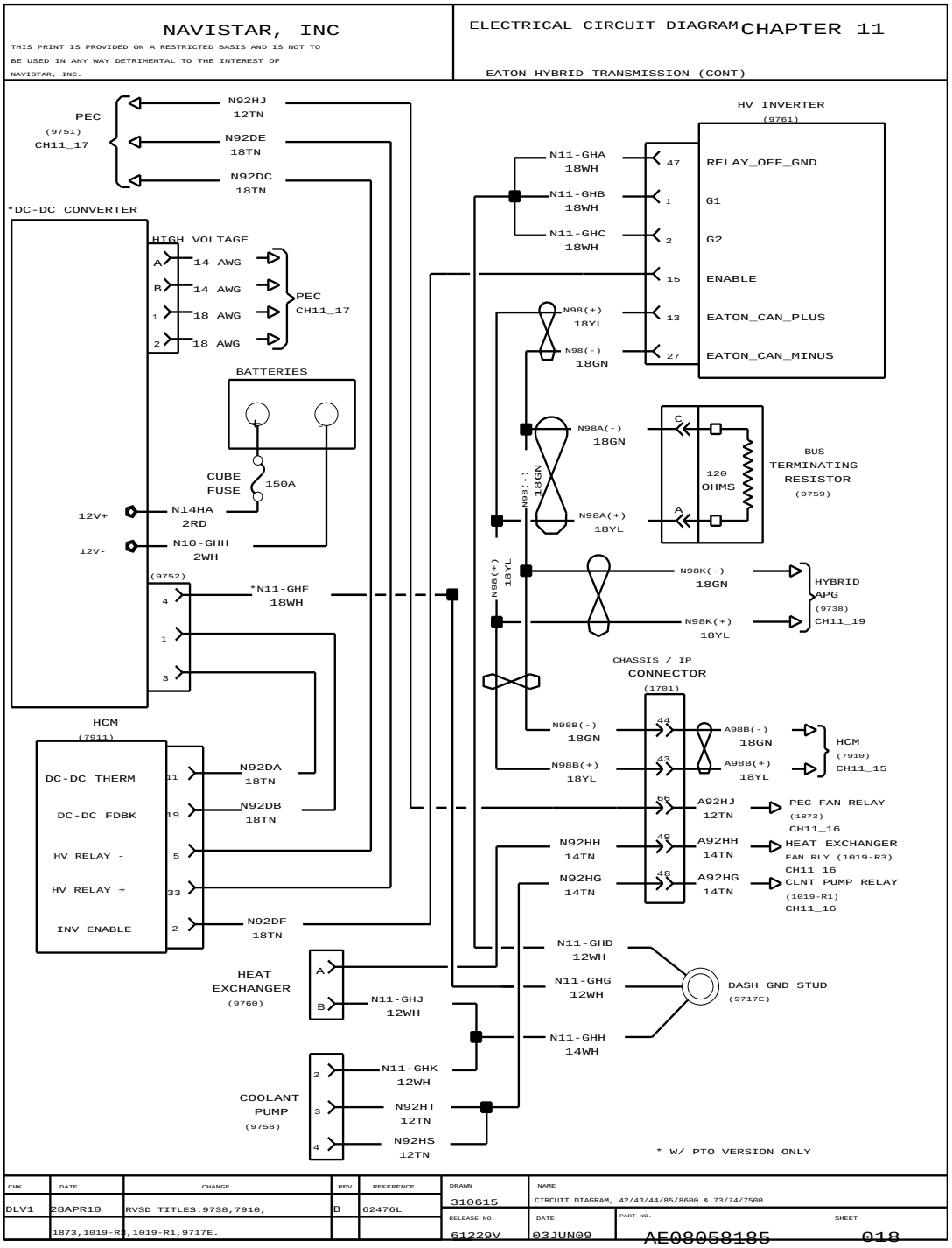

Figure 434 Eaton Hybrid Transmission (Cont.)

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11.20. EATON HYBRID TRANSMISSION (CONT.), P. 19

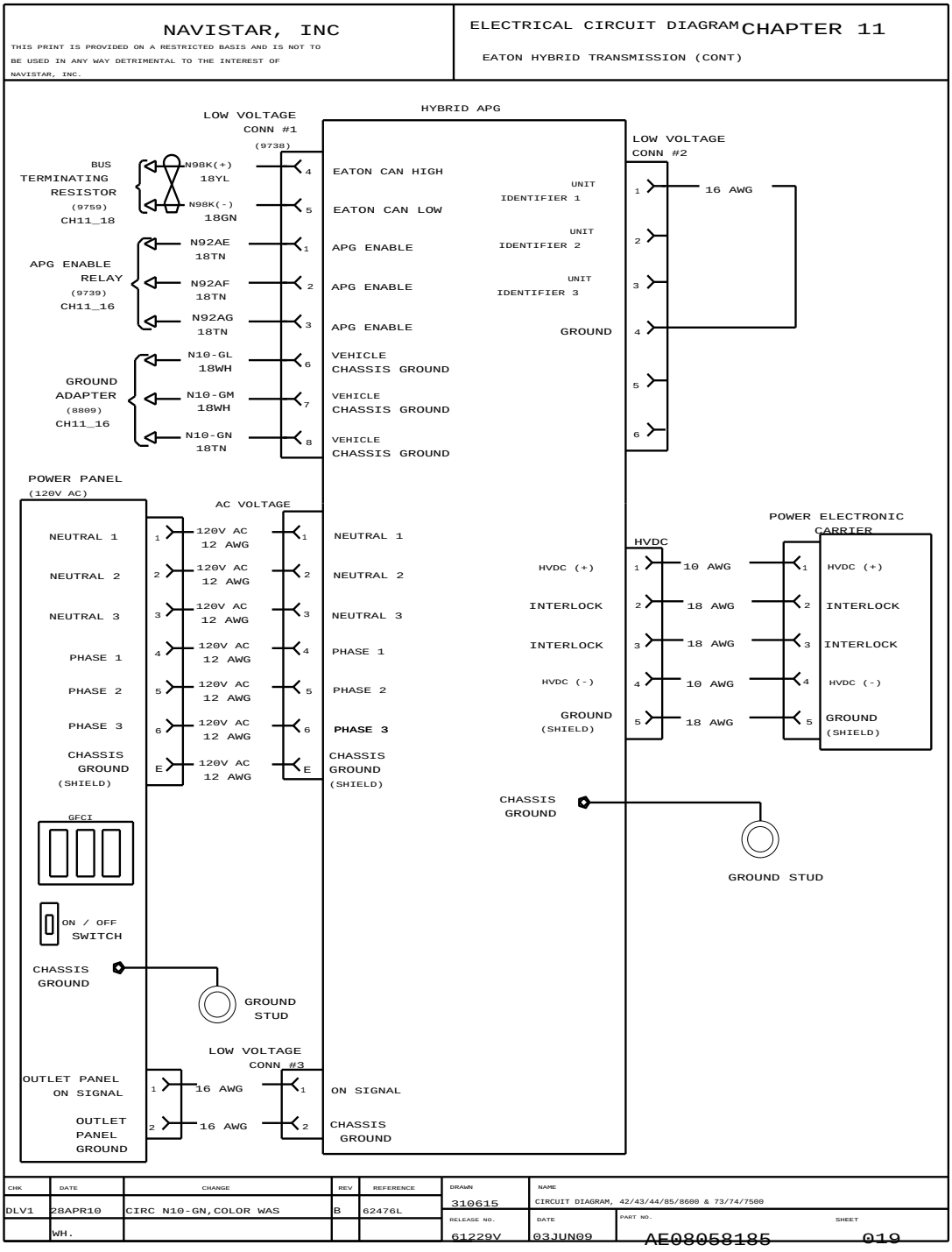

Figure 435 Eaton Hybrid Transmission (Cont.)

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11.21. TRANSMISSION ALLISON WITH IBB ENGINE AND ISL–G, P. 20

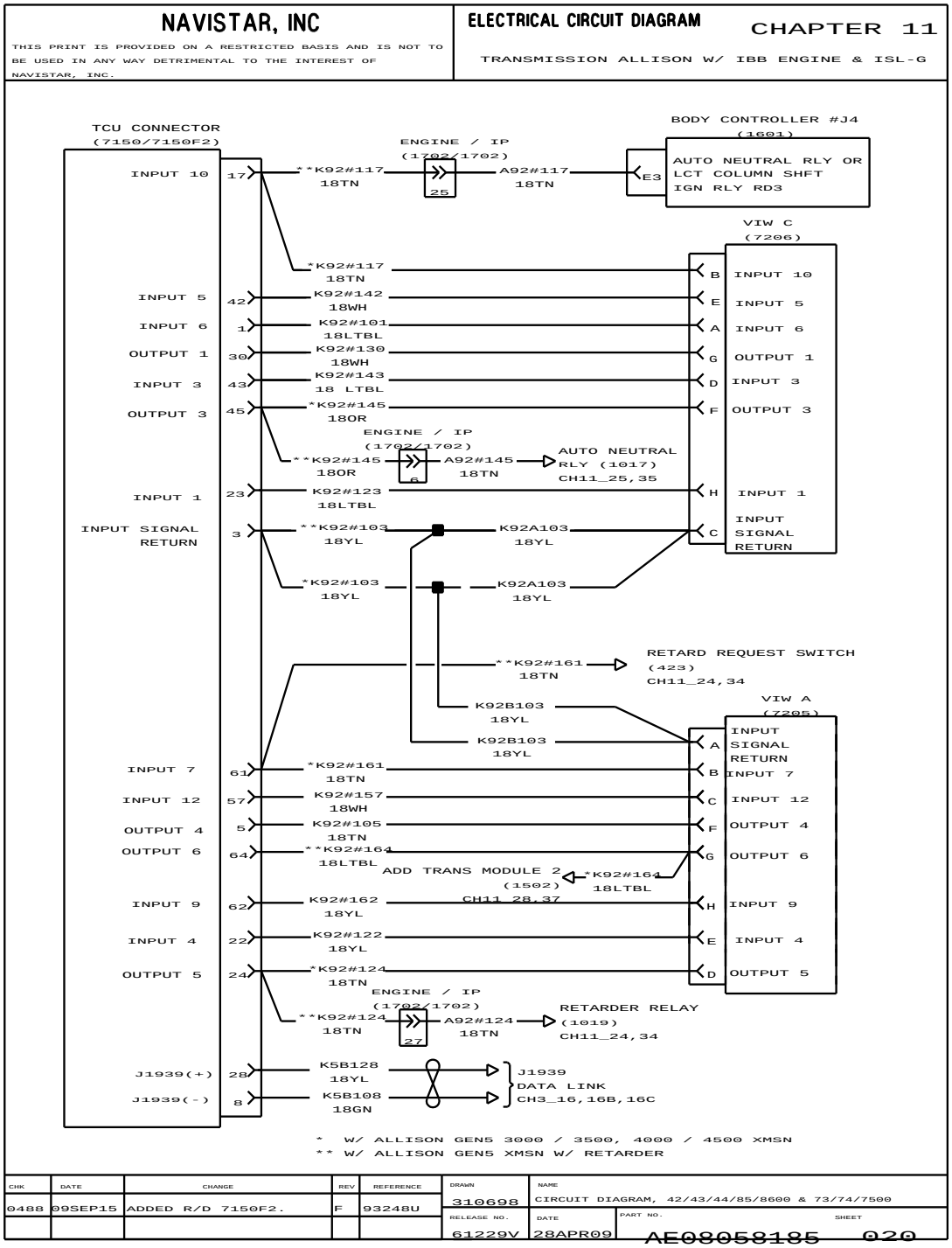

Figure 436 Transmission Allison with IBB Engine and ISL–G

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11.22. TRANSMISSION ALLISON WITH IBB ENGINE AND ISL–G (CONT.), P. 21

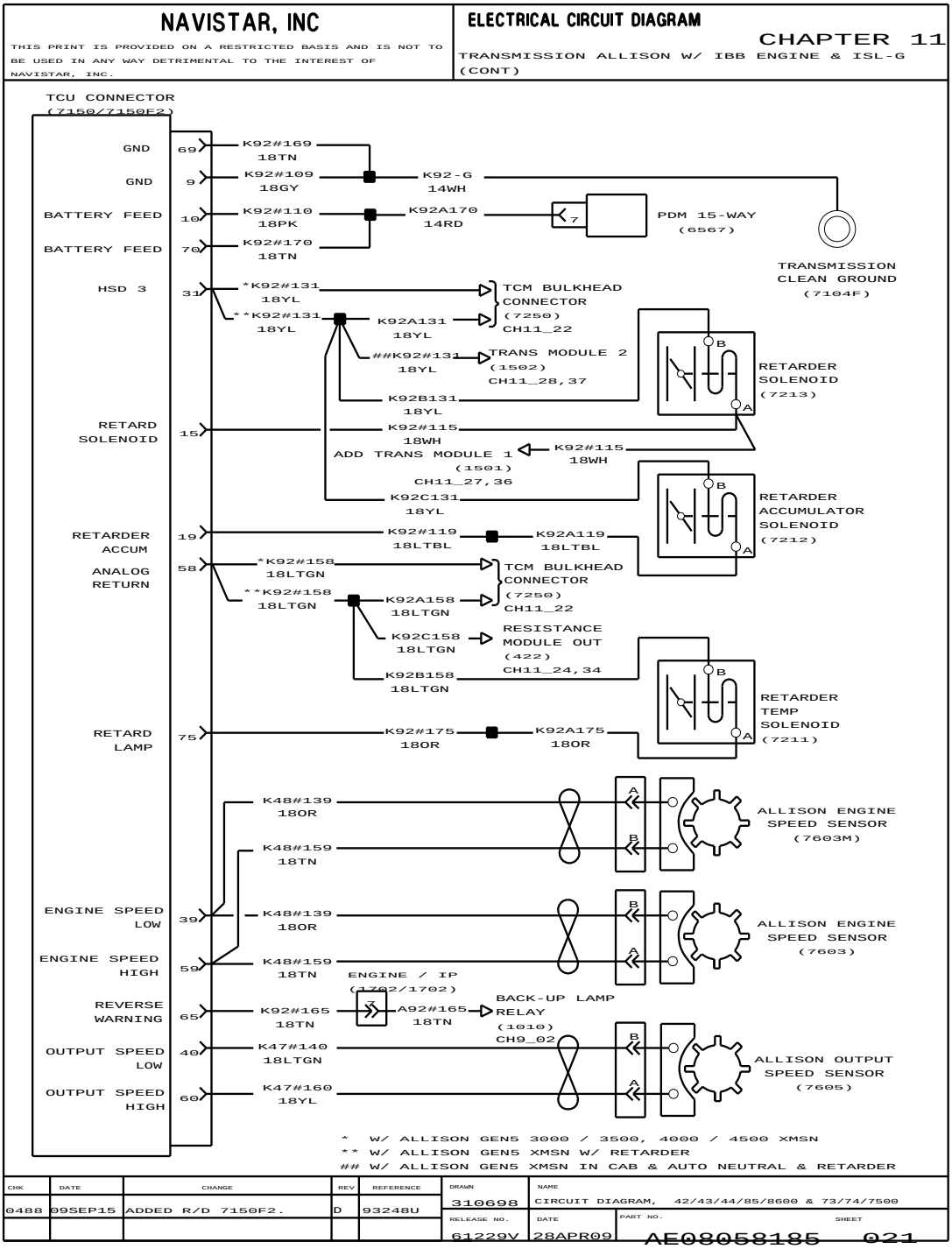

Figure 437 Transmission Allison with IBB Engine and ISL–G (Cont.)

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11.23. TRANSMISSION ALLISON WITH IBB ENGINE AND ISL–G (CONT.), P. 22

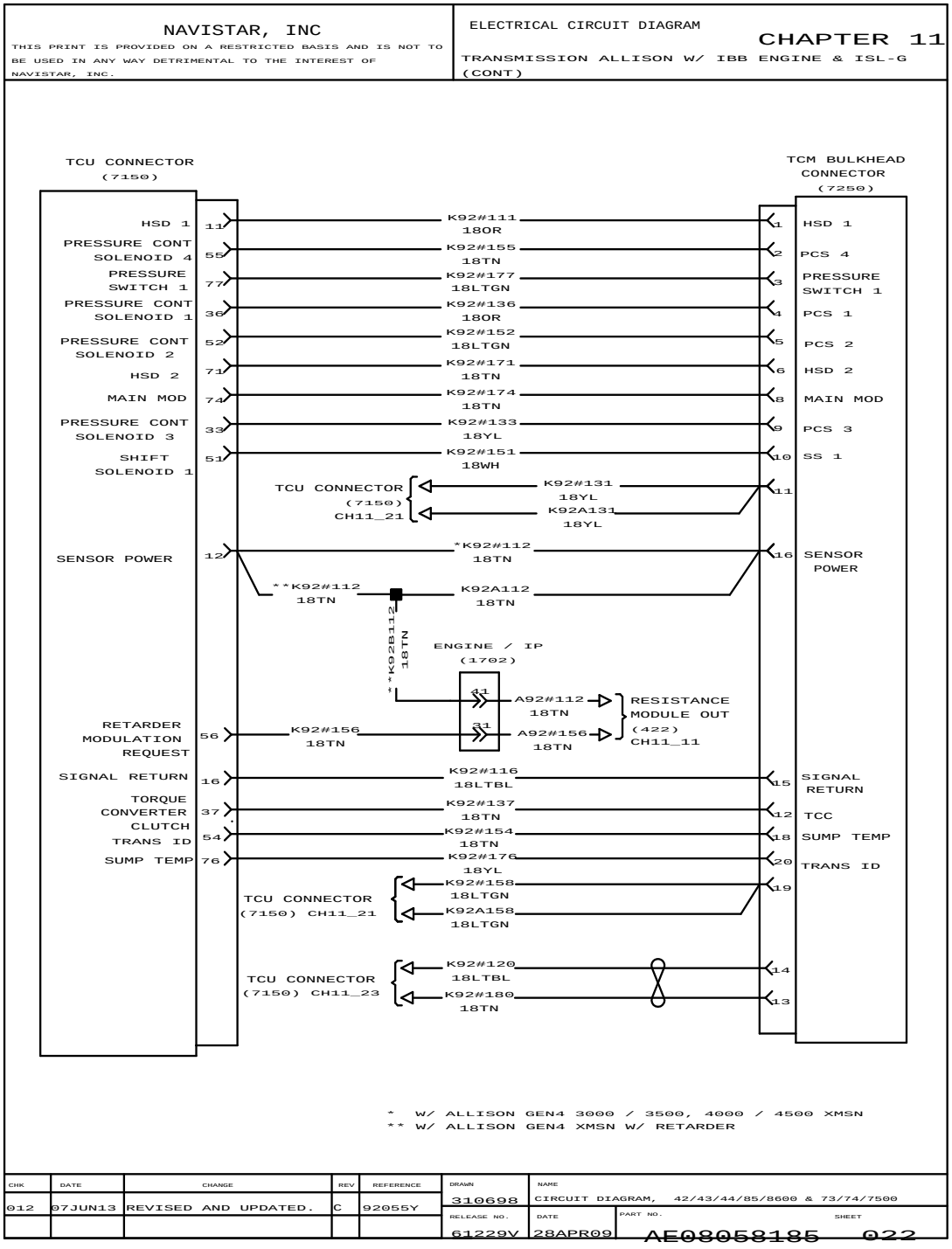

Figure 438 Transmission Allison with IBB Engine and ISL–G (Cont.)

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11.24. TRANSMISSION ALLISON WITH IBB ENGINE AND ISL-G (CONT.), P. 23

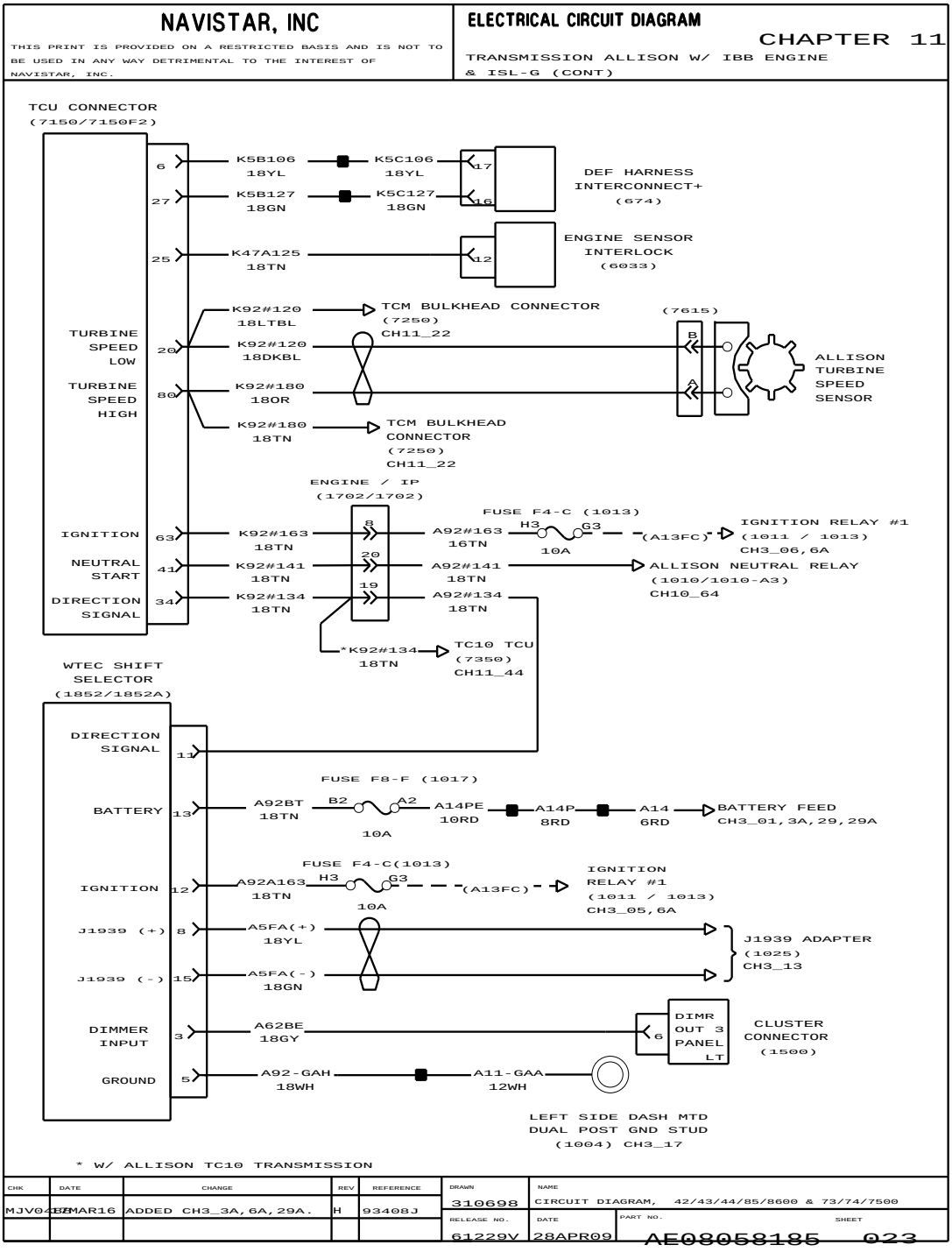

Figure 439 Transmission Allison with IBB Engine and ISL-G (Cont.)

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11.25. TRANSMISSION RETARDER CONTROLS WIRING WITH MD TRANSMISSION HARD WIRED EFFECTS, P. 24

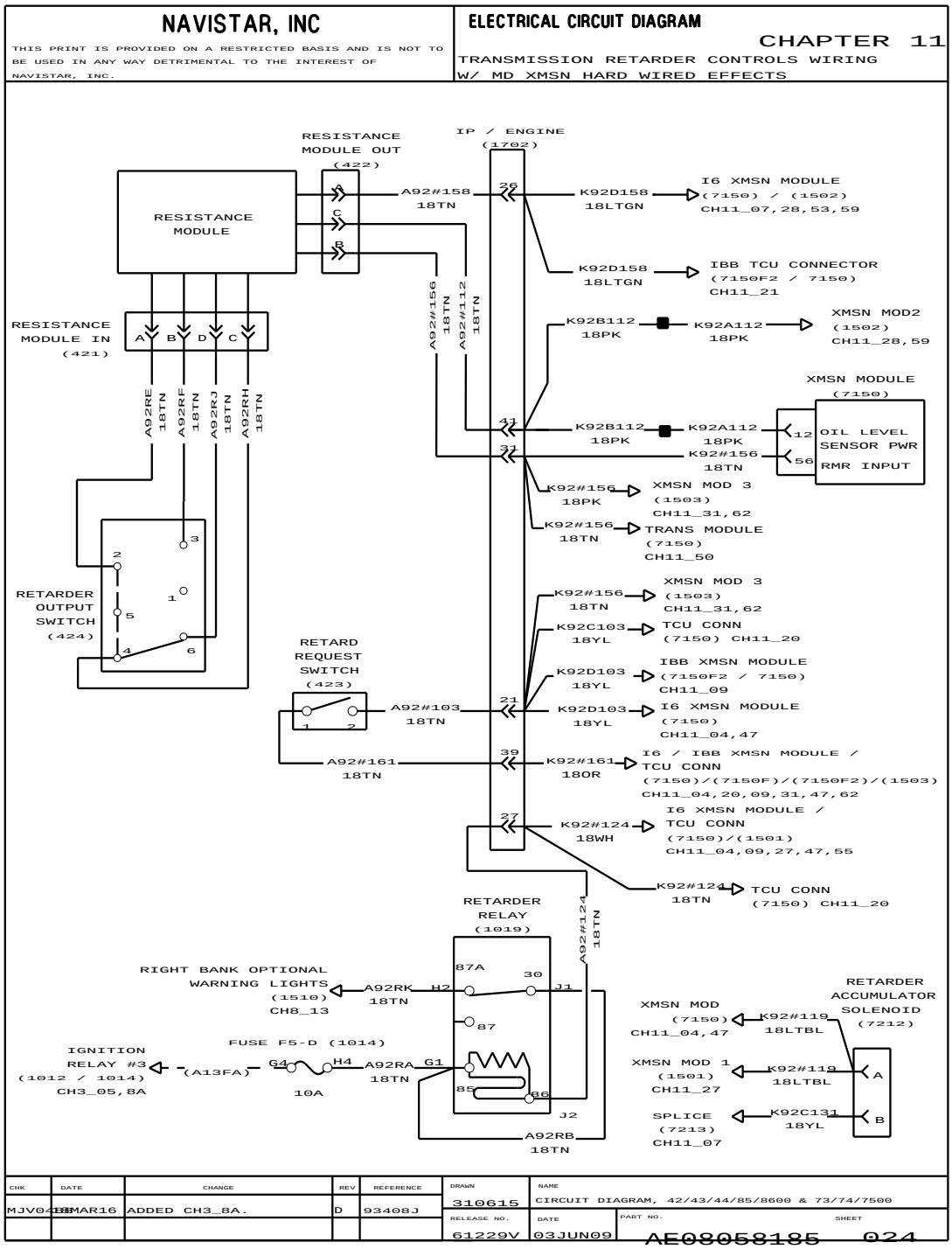

Figure 440 Transmission Retarder Controls Wiring with MD Transmission Hard Wired Effects

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11.26. TRANSMISSION RETARDER CONTROLS WIRING WITH MD TRANSMISSION HARD WIRED EFFECTS, P. 24A

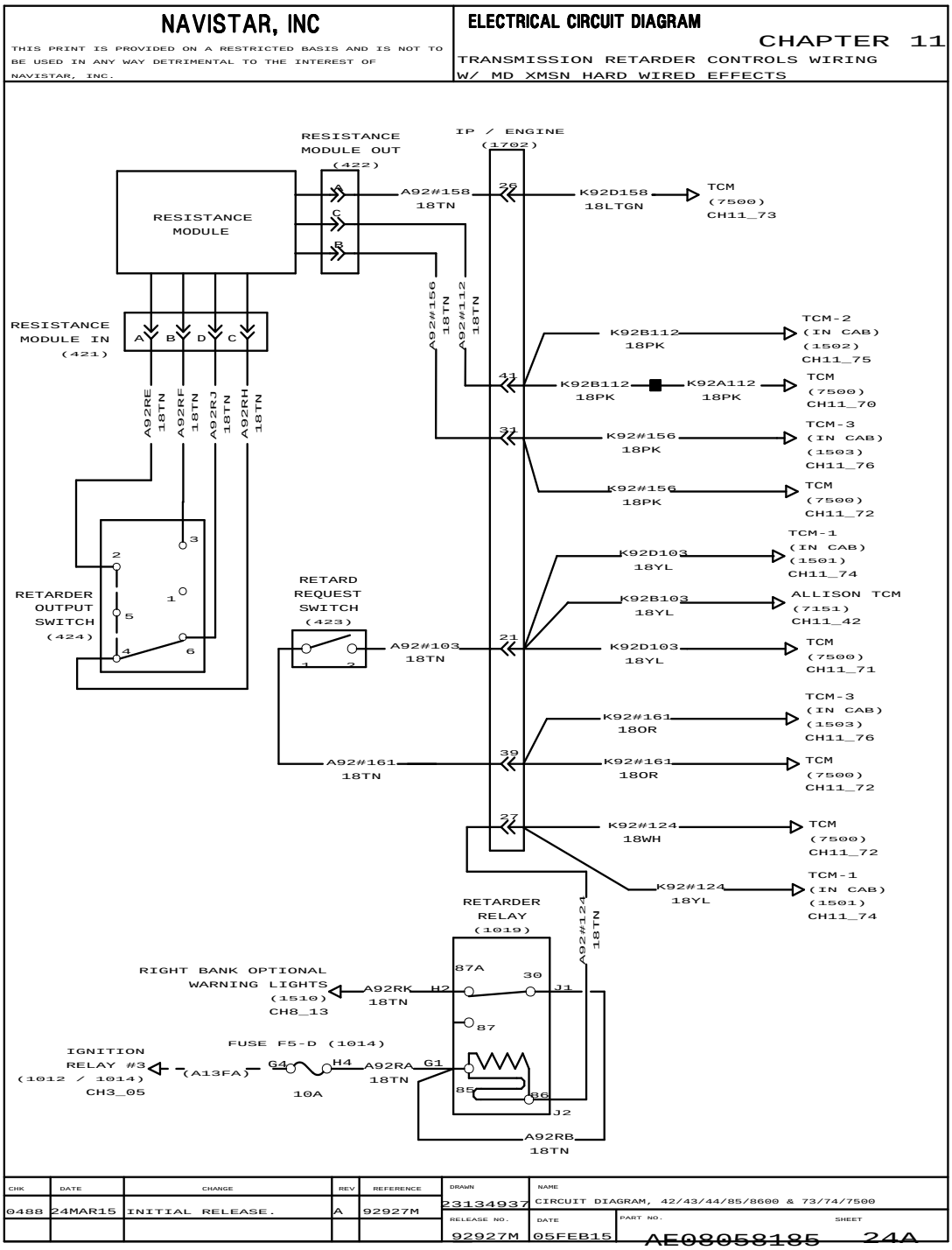

Figure 441 Transmission Retarder Controls Wiring with MD Transmission Hard Wired Effects

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11.27. ALLISON TRANSMISSION 3 / 4000 GEN 4 WITH AUTO NEUTRAL, P. 25

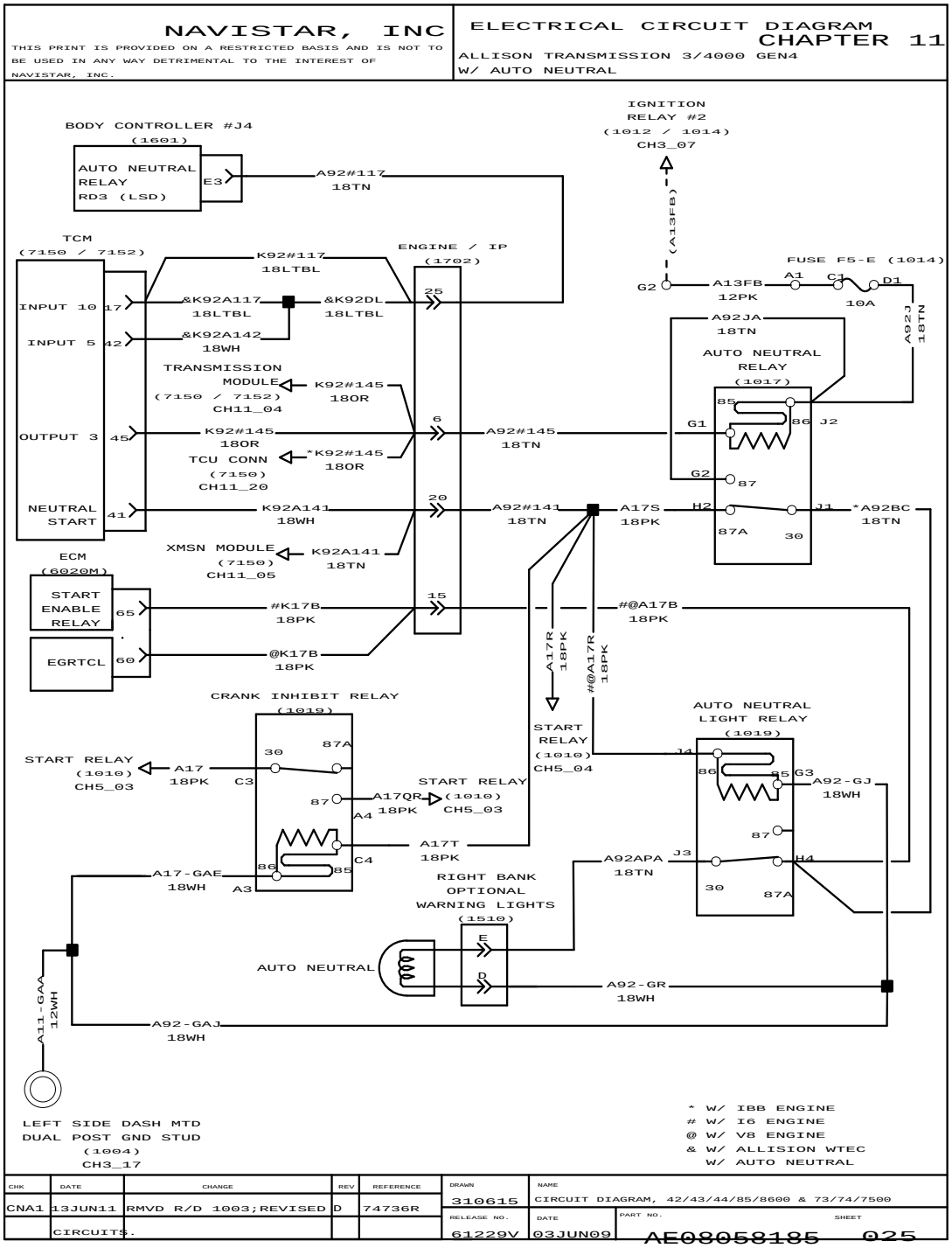

Figure 442 Allison Transmission 3 / 4000 Gen 4 with Auto Neutral

https://truckmanualshub.com/

11.28. ALLISON TRANSMISSION 3 / 4000 GEN 4 WITH AUTO NEUTRAL AND ISB ONLY, P. 25A

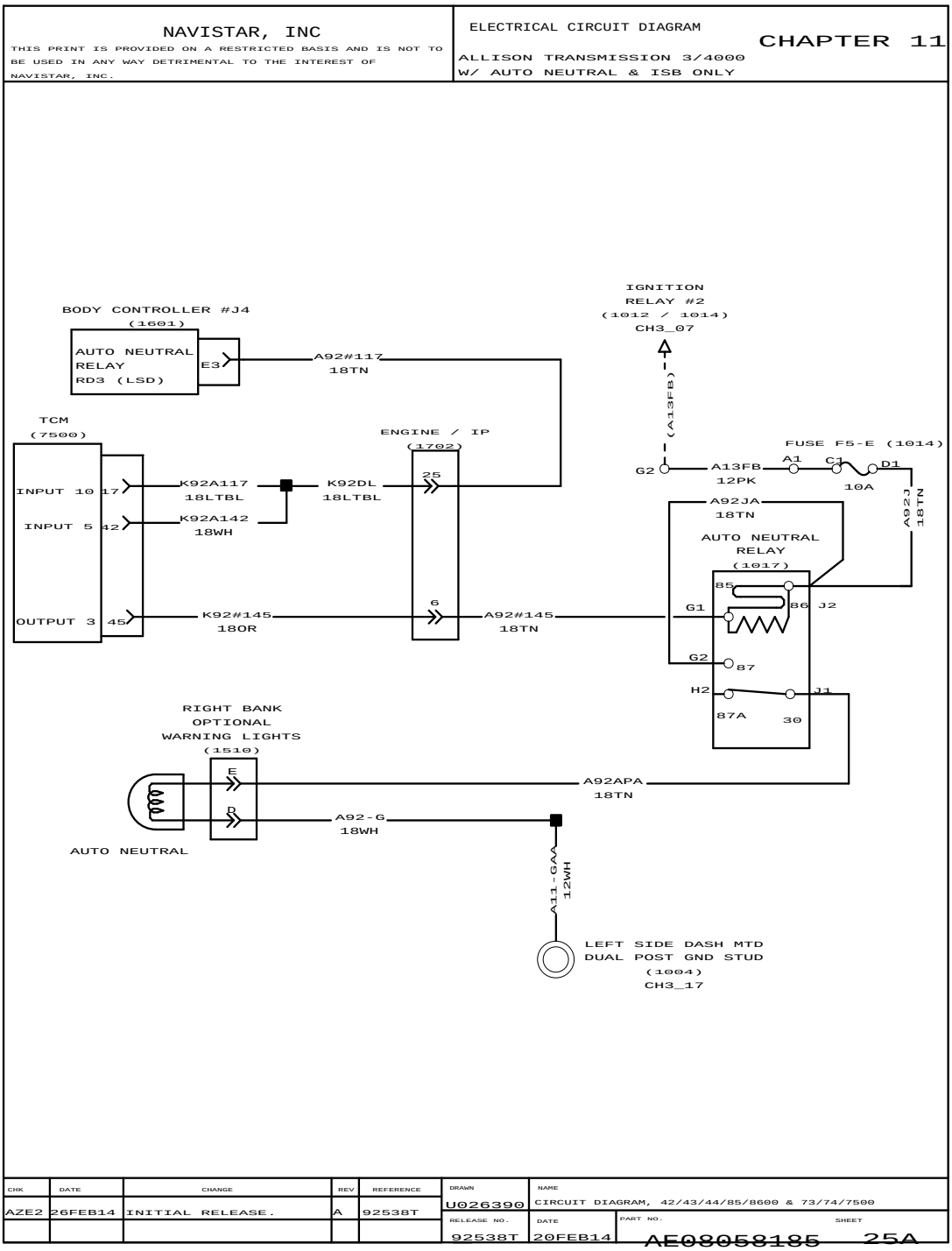

Figure 443 Allison Transmission 3 / 4000 Gen 4 with Auto Neutral and ISB Only

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11.29. TRANSMISSION WITH ISB WITH AUTO NEUTRAL, P. 25B

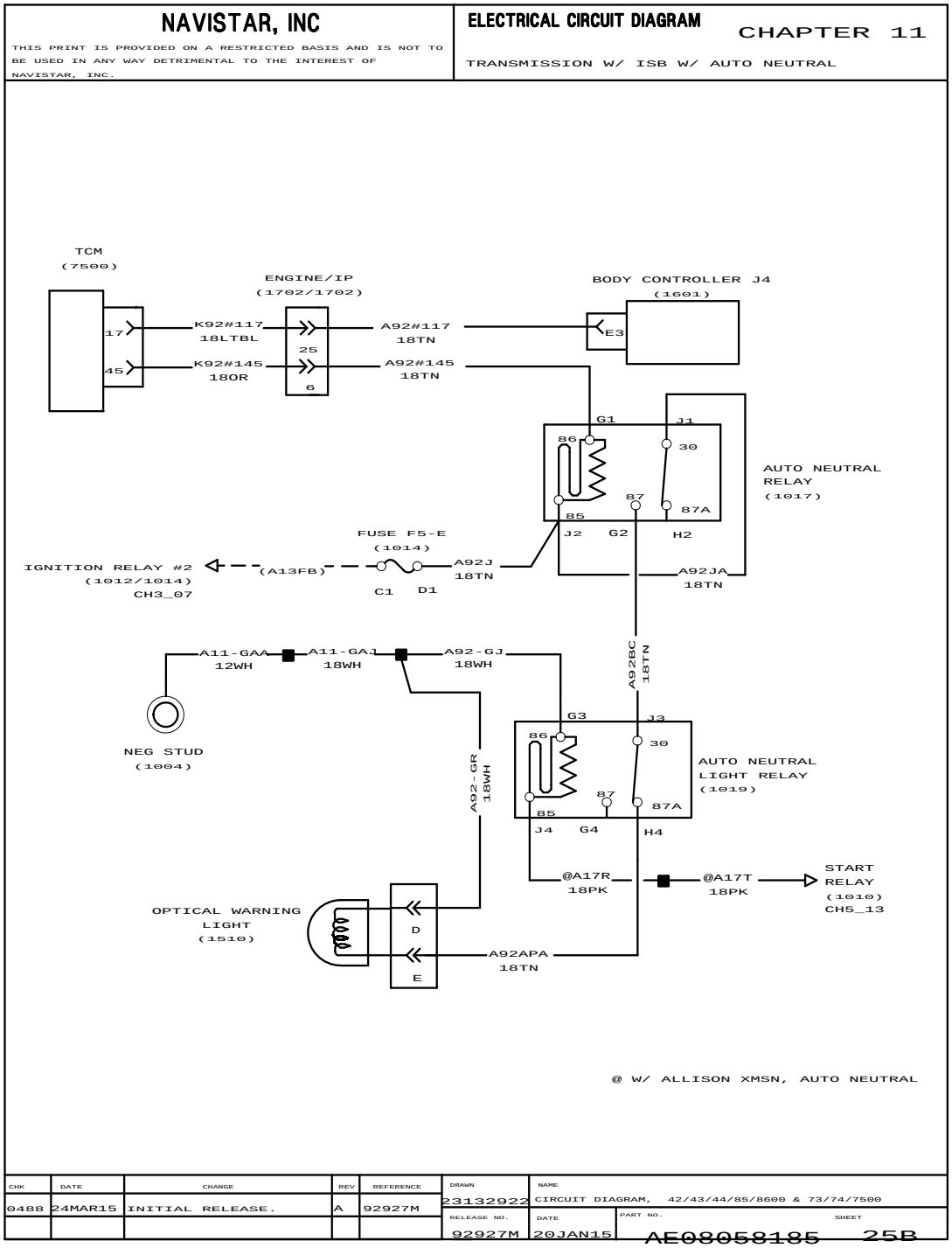

Figure 444 Transmission with ISB with Auto Neutral

https://truckmanualshub.com/

11.30. ALLISON TRANSMISSION WITH AUTO NEUTRAL, P. 25C

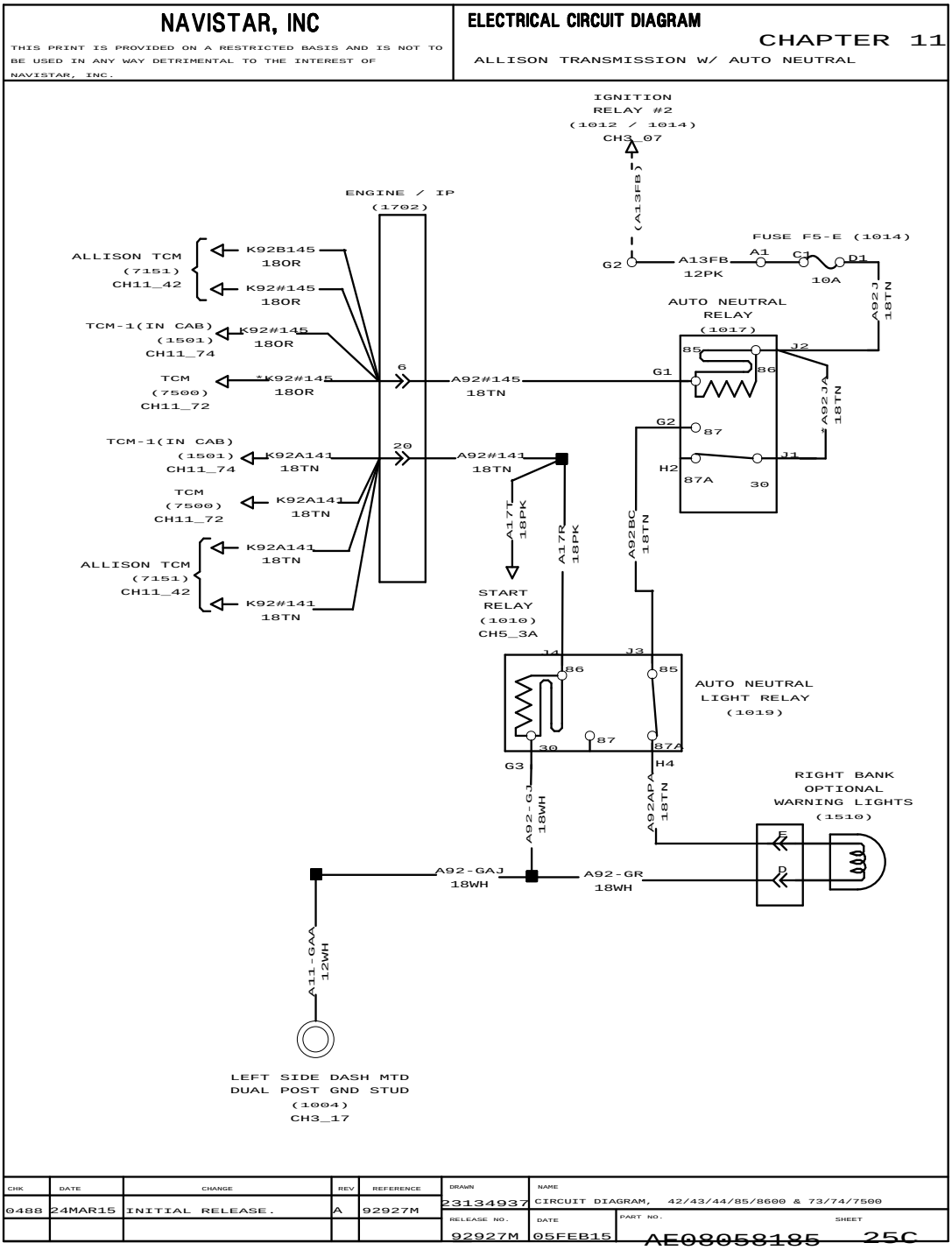

Figure 445 Allison Transmission with Auto Neutral

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11.31. EATON AUTO AND ULTRASHIFT GEN 3 TRANSMISSION WITH IBB ENGINE, P. 26

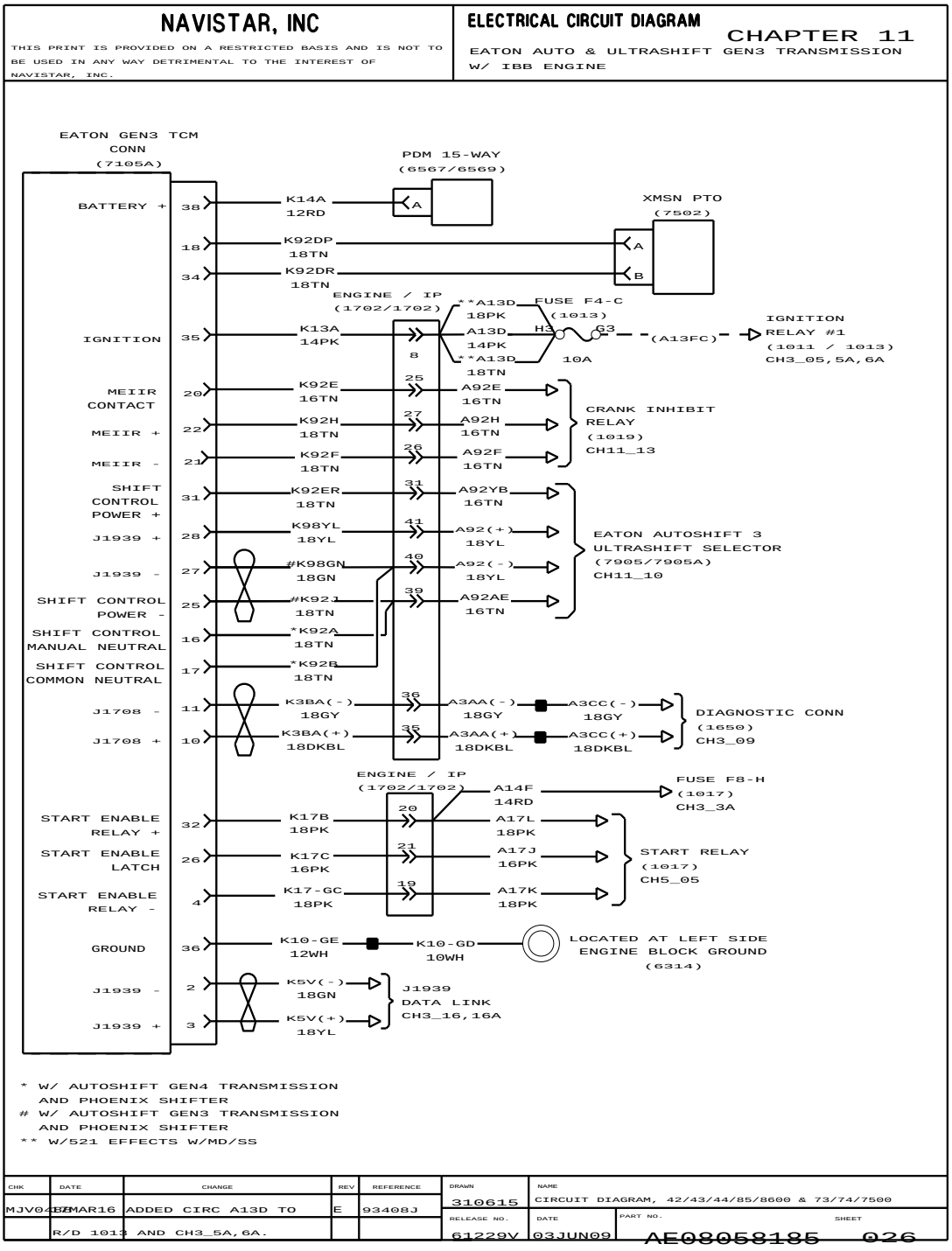

Figure 446 Eaton Auto and Ultrashift Gen 3 Transmission with IBB Engine

https://truckmanualshub.com/

11.32. WTEC TRANSMISSION WITH GEN4 WITH MD WITH I6 ENGINE – IN CAB, P. 27

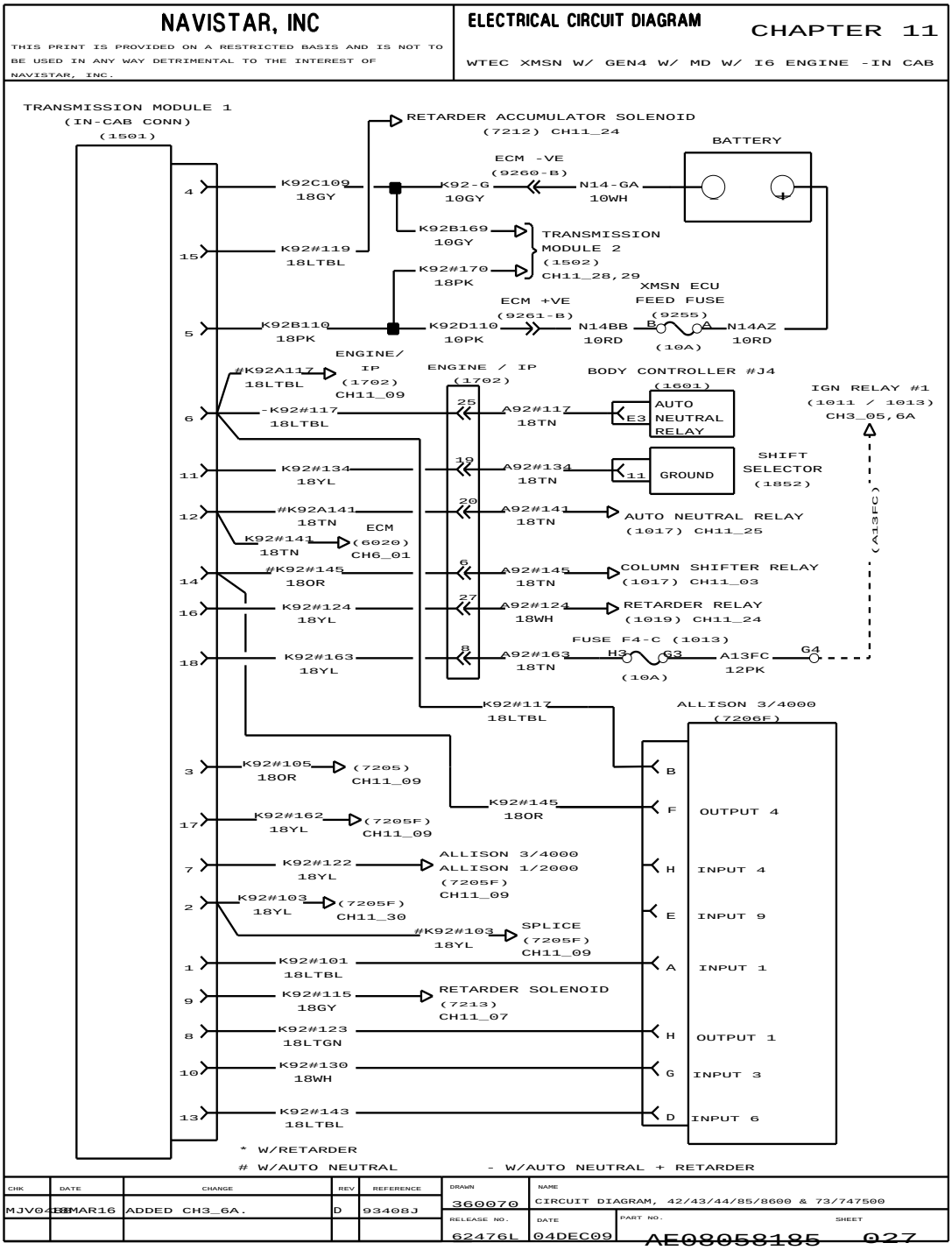

Figure 447 WTEC Transmission with Gen4 with MD with I6 Engine – In Cab

https://truckmanualshub.com/

11.33. WTEC TRANSMISSION WITH GEN4 WITH MD WITH I6 ENGINE (CONT.), P. 28

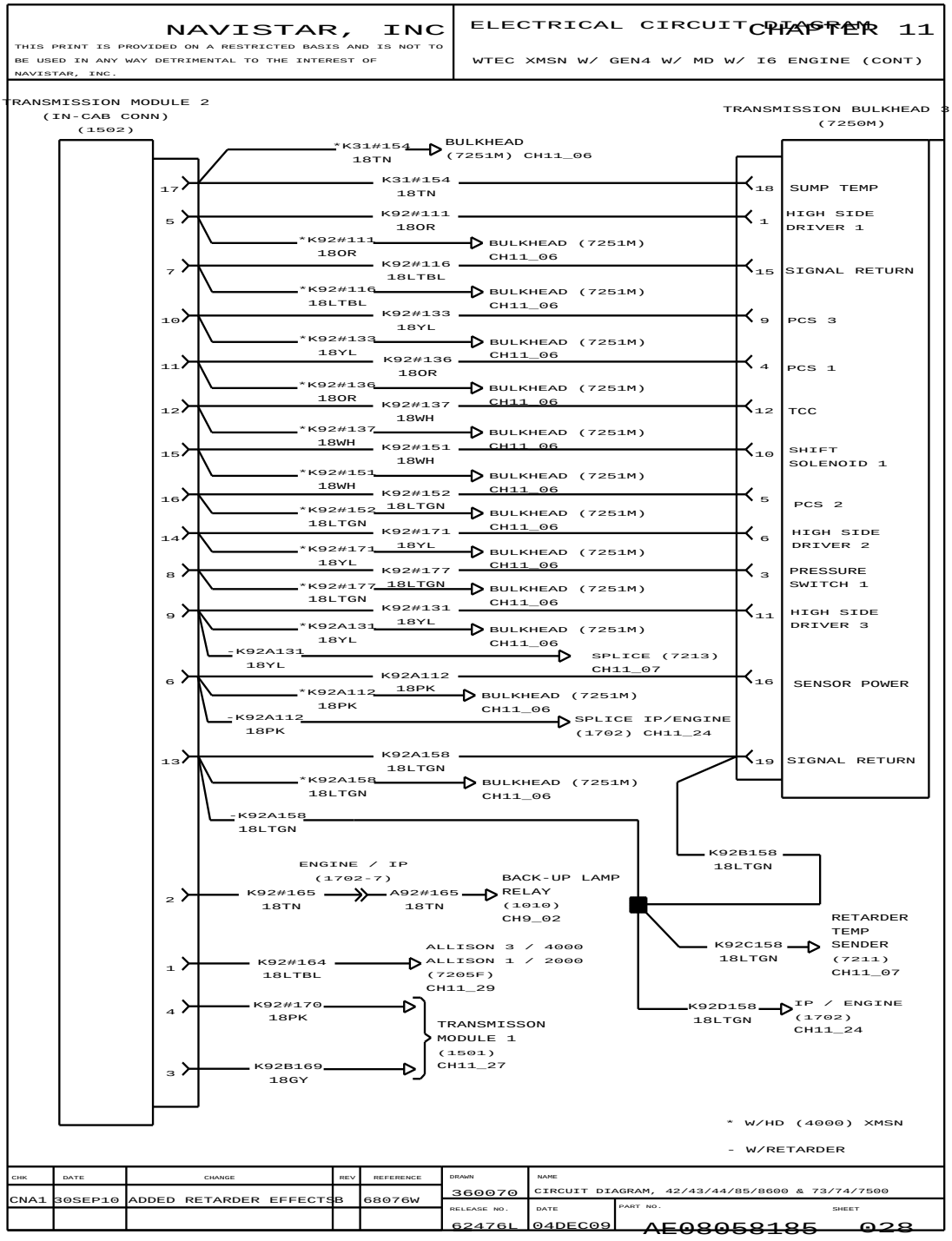

Figure 448 WTEC Transmission with Gen4 with MD with I6 Engine (Cont.)

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11.34. LCT TRANSMISSION WITH GEN4 WITH MD WITH I6 ENGINE, P. 29

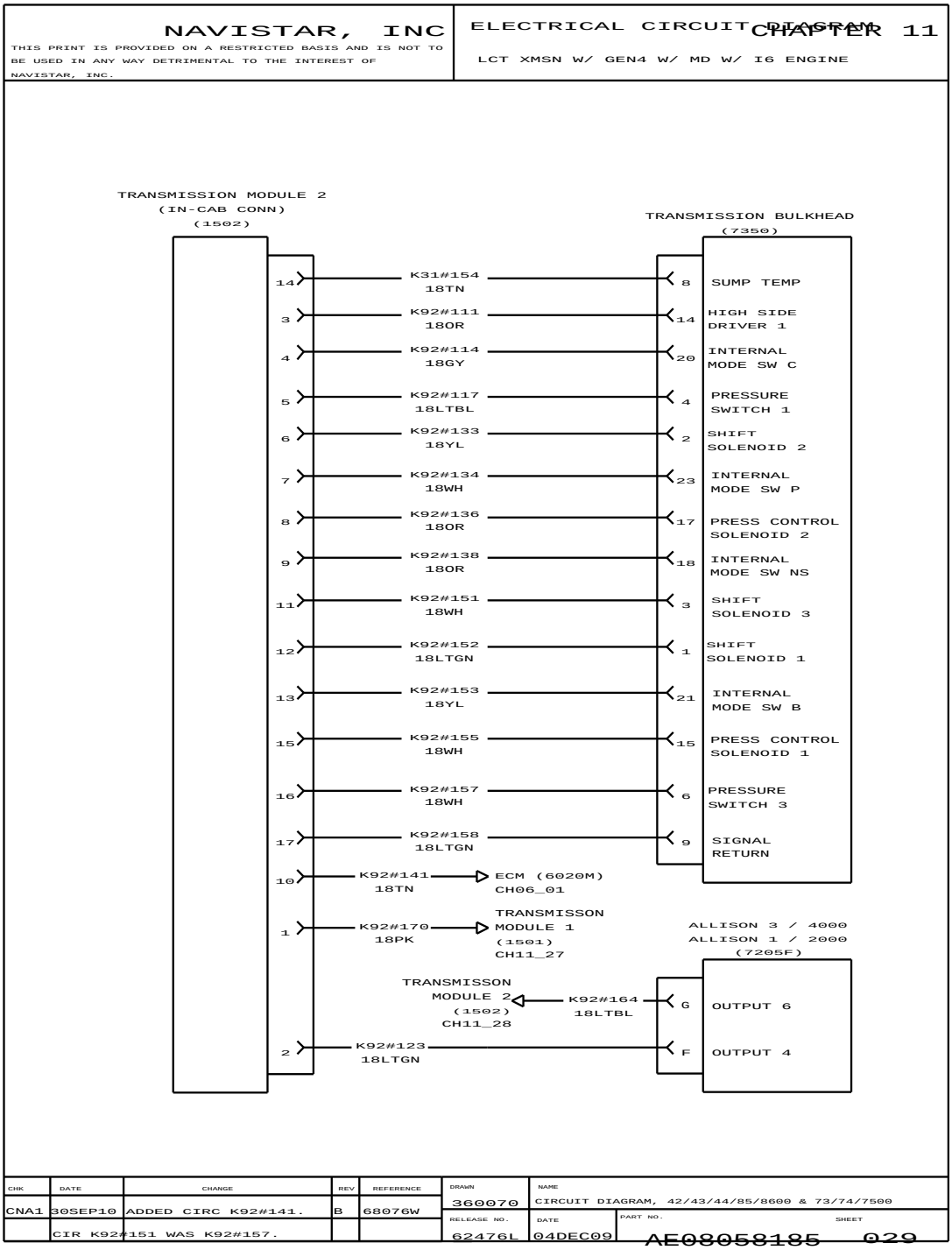

Figure 449 LCT Transmission with Gen4 with MD with I6 Engine

https://truckmanualshub.com/

11.35. LCT TRANSMISSION WITH GEN4 WITH MD WITH I6 ENGINE (CONT.), P. 30

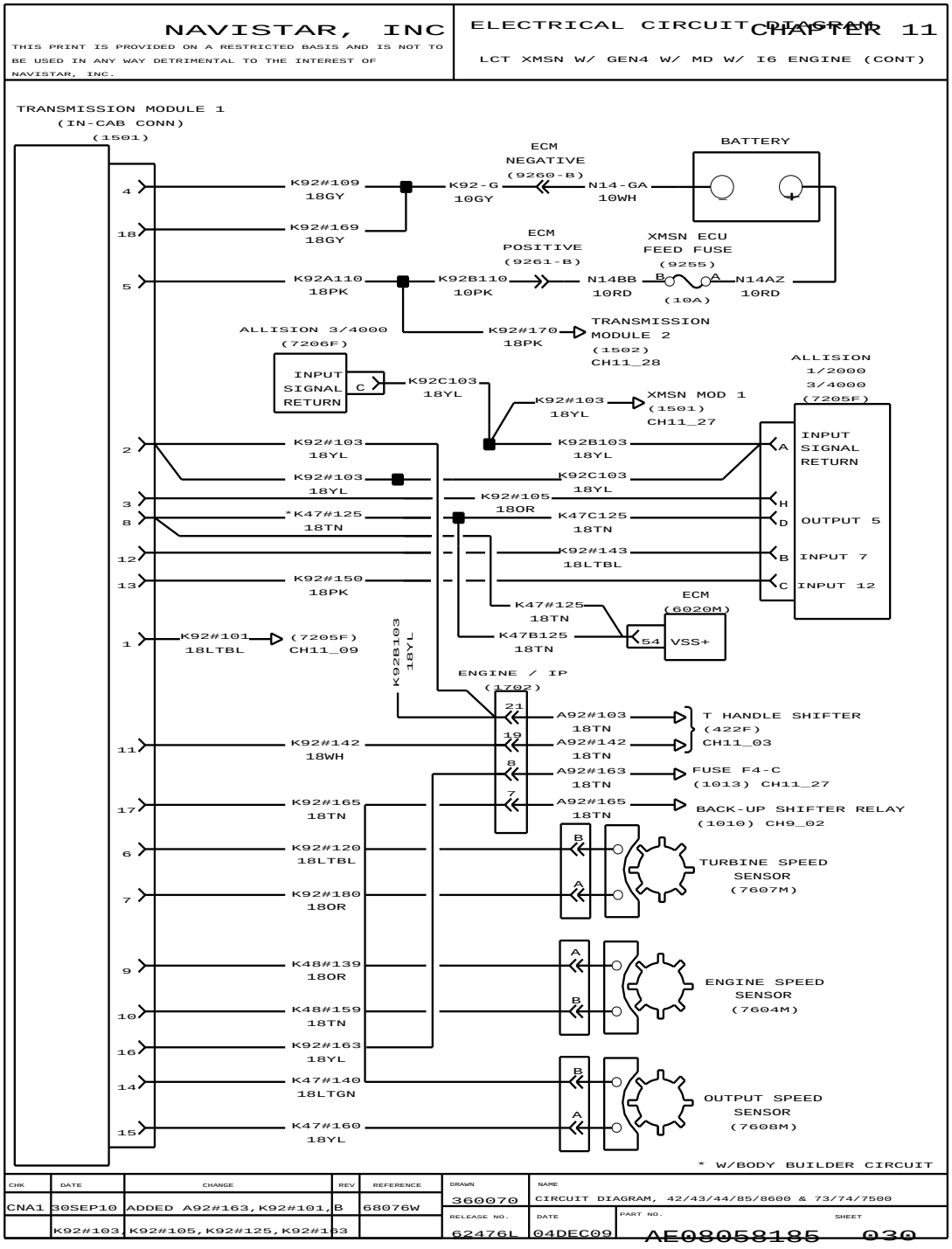

Figure 450 LCT Transmission with Gen4 with MD with I6 Engine (Cont.)

https://truckmanualshub.com/

11.36. LCT AND WTEC TRANSMISSION WITH GEN4 WITH MD WITH I6 ENGINE, P. 31

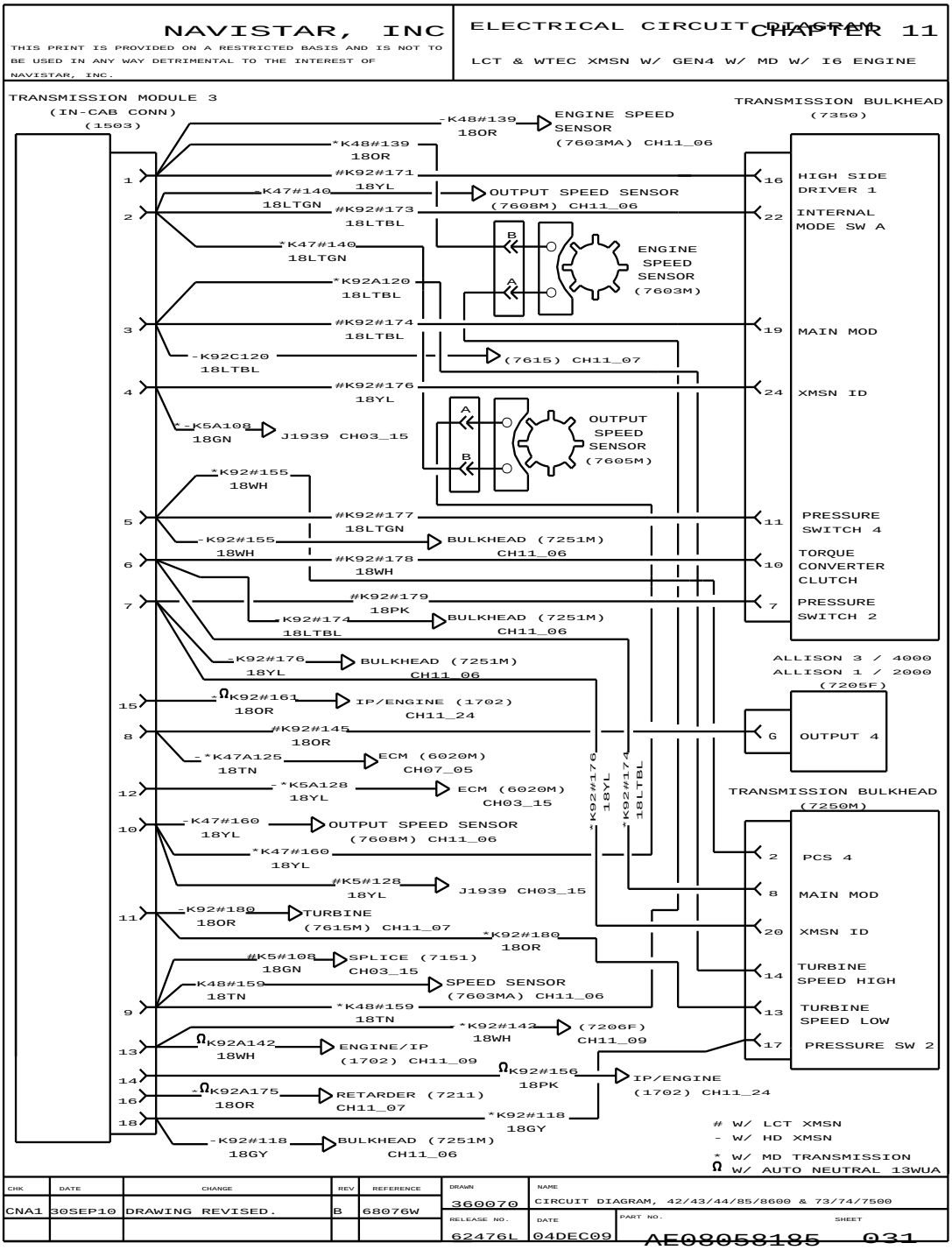

Figure 451 LCT and WTEC Transmission with Gen4 with MD with I6 Engine

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11.37. ALLISON GEN 4/5 1/2000 TRANSMISSION WITH IBB ENGINE, P. 32

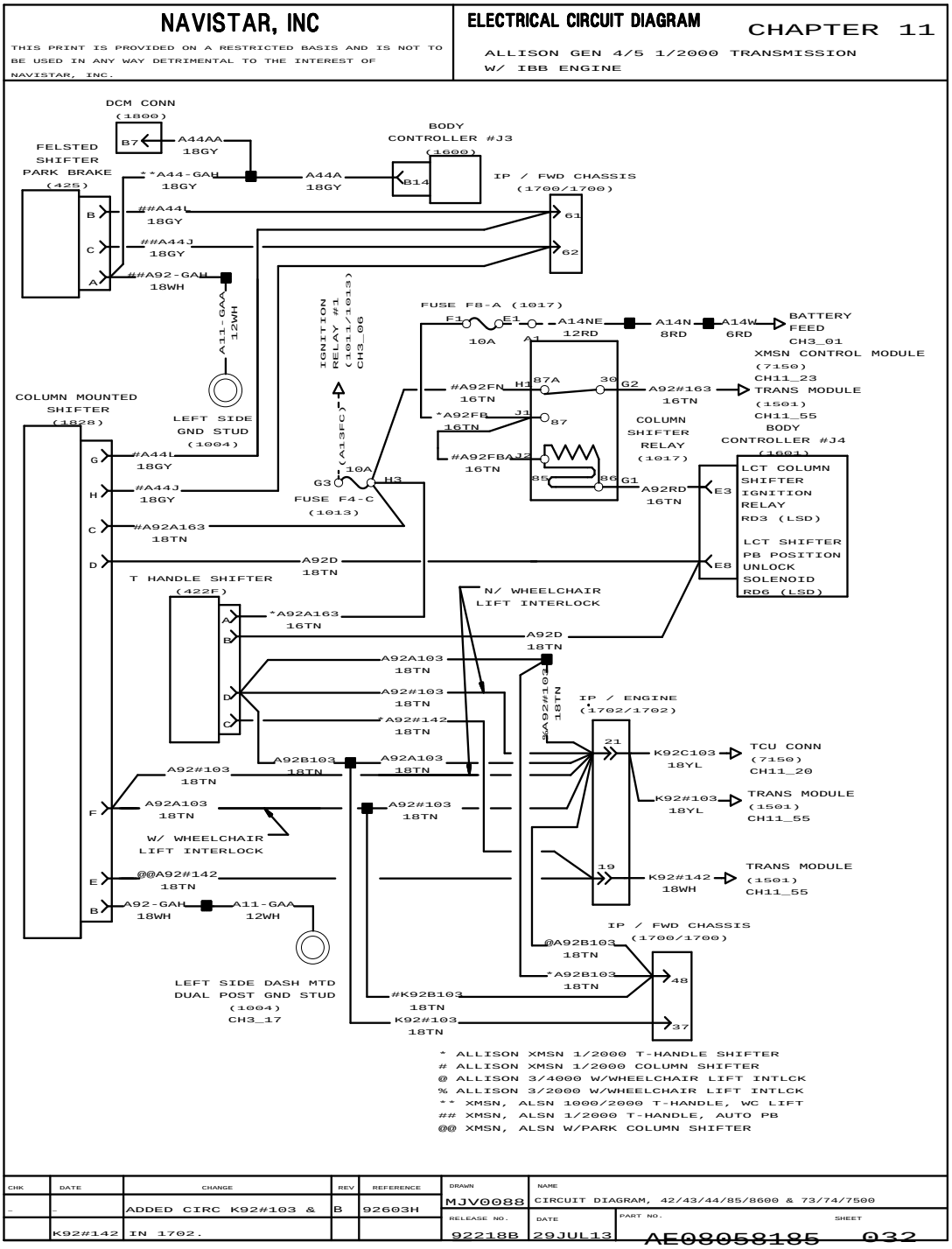

Figure 452 Allison Gen 4/5 1/2000 Transmission with IBB Engine

https://truckmanualshub.com/

11.38. TRANSMISSION ALLISON MD 3/4000 WITH I6 AND V8 ENGINE, P. 33

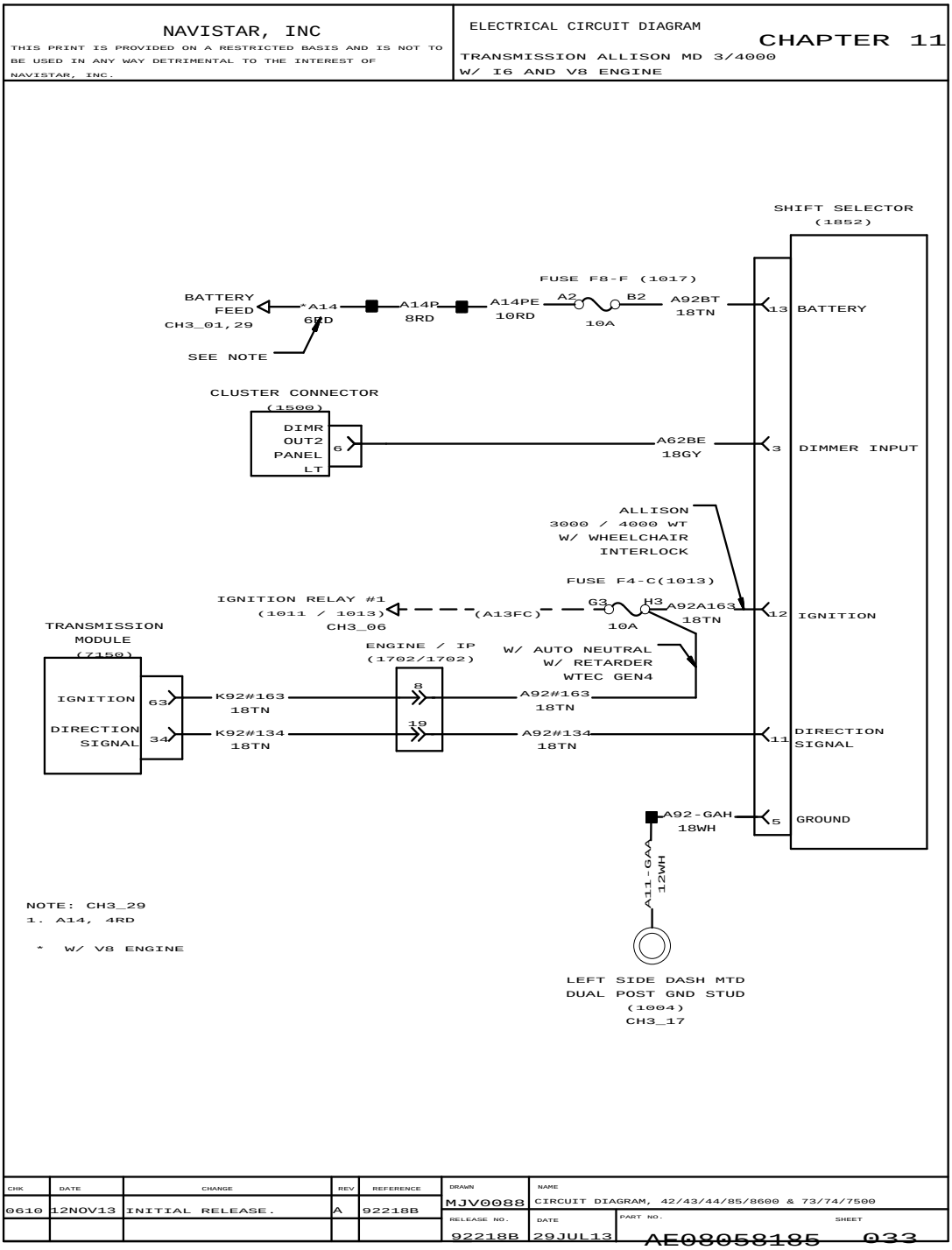

Figure 453 Transmission Allison MD 3/4000 with I6 and V8 Engine

https://truckmanualshub.com/

11.39. TRANSMISSION RETARDER CONTROLS WIRING WITH MD TRANSMISSION HARD WIRED EFFECTS, P. 34

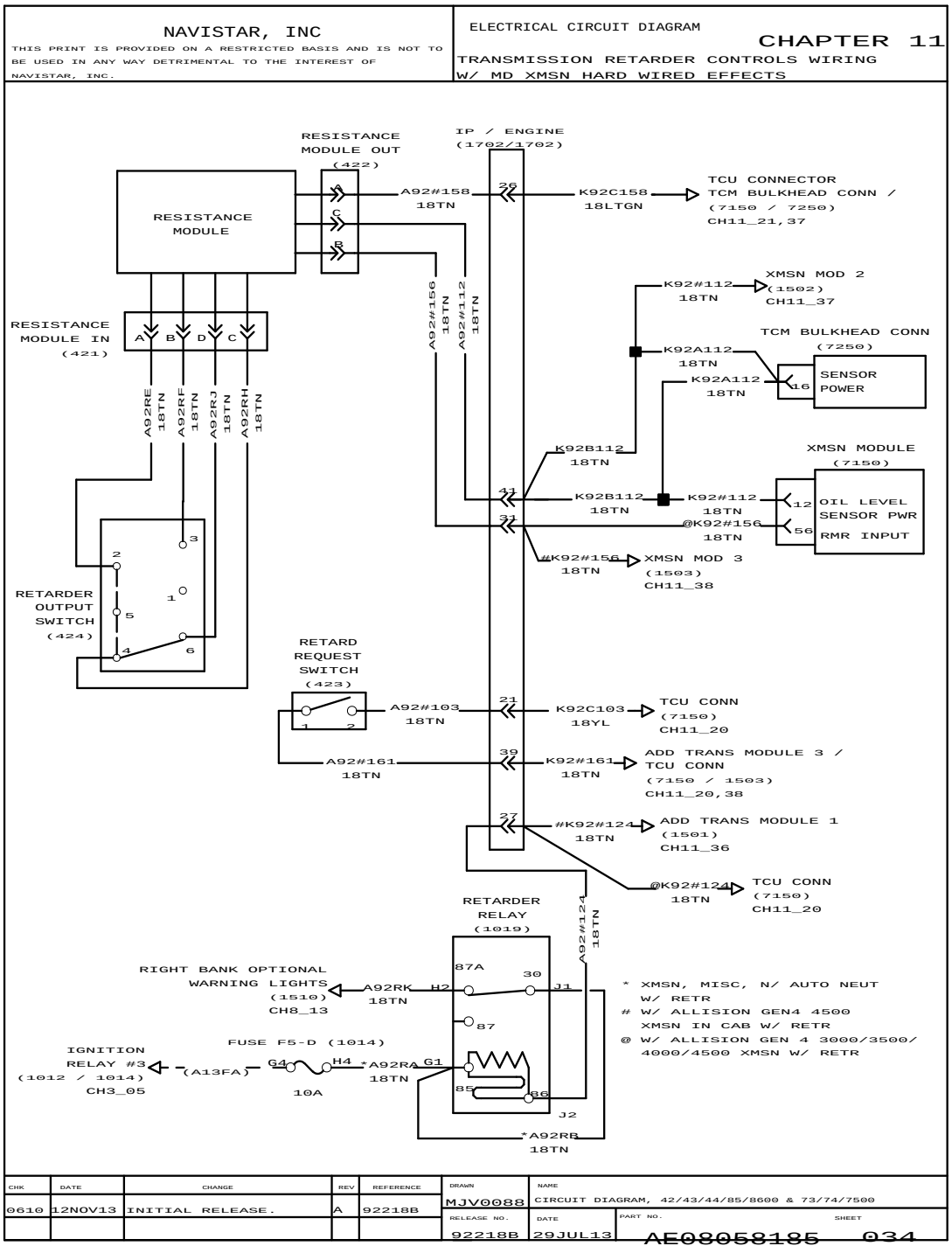

Figure 454 Transmission Retarder Controls Wiring with MD Transmission Hard Wired Effects

https://truckmanualshub.com/

11.40. ALLISON TRANSMISSION 3 / 4000 GEN 4 / 5 WITH AUTO NEUTRAL, P. 35

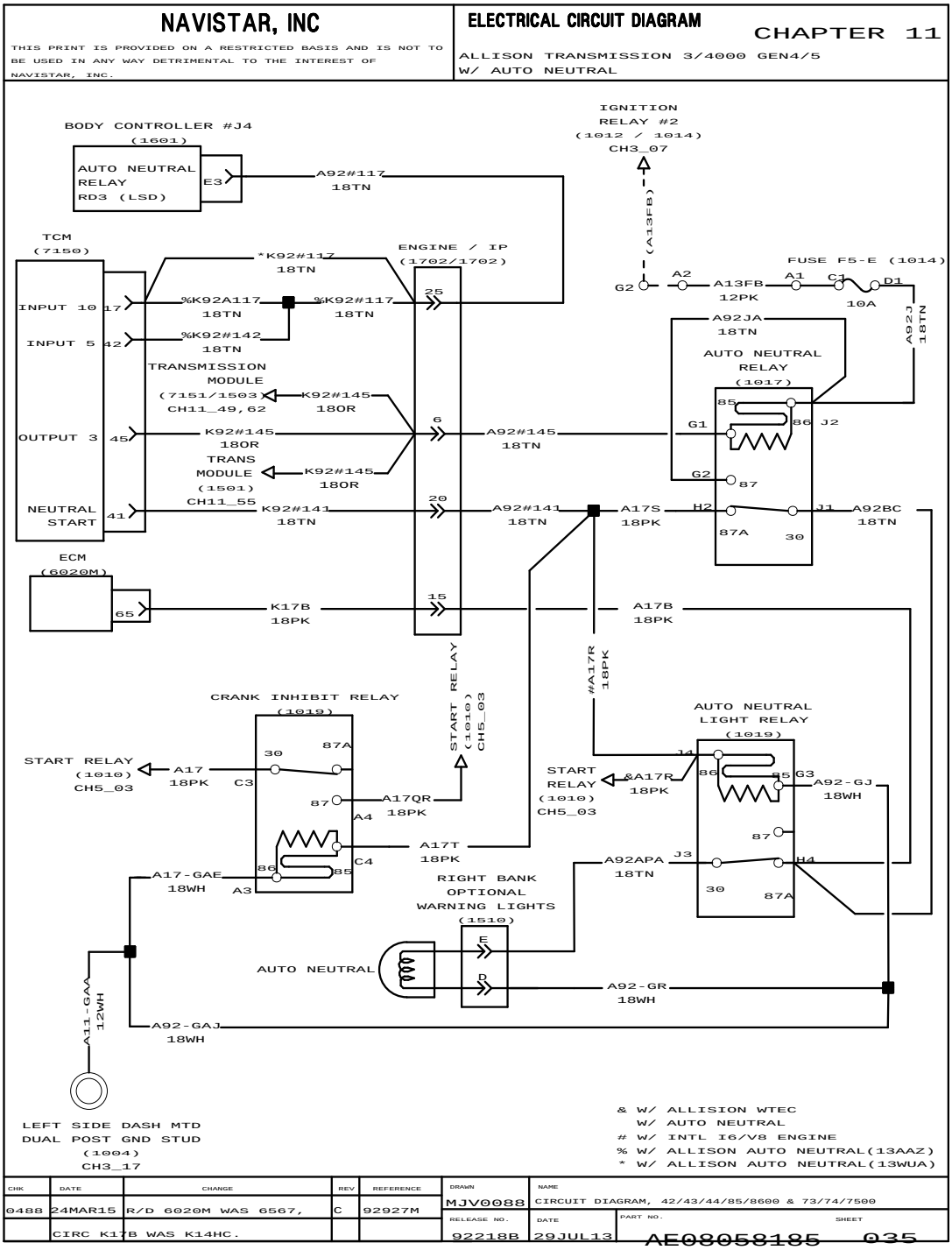

Figure 455 Allison Transmission 3 / 4000 Gen 4 / 5 with Auto Neutral

https://truckmanualshub.com/

11.41. WTEC TRANSMISSION WITH GEN5 WITH MD WITH IBB ENGINE – IN CAB, P. 36

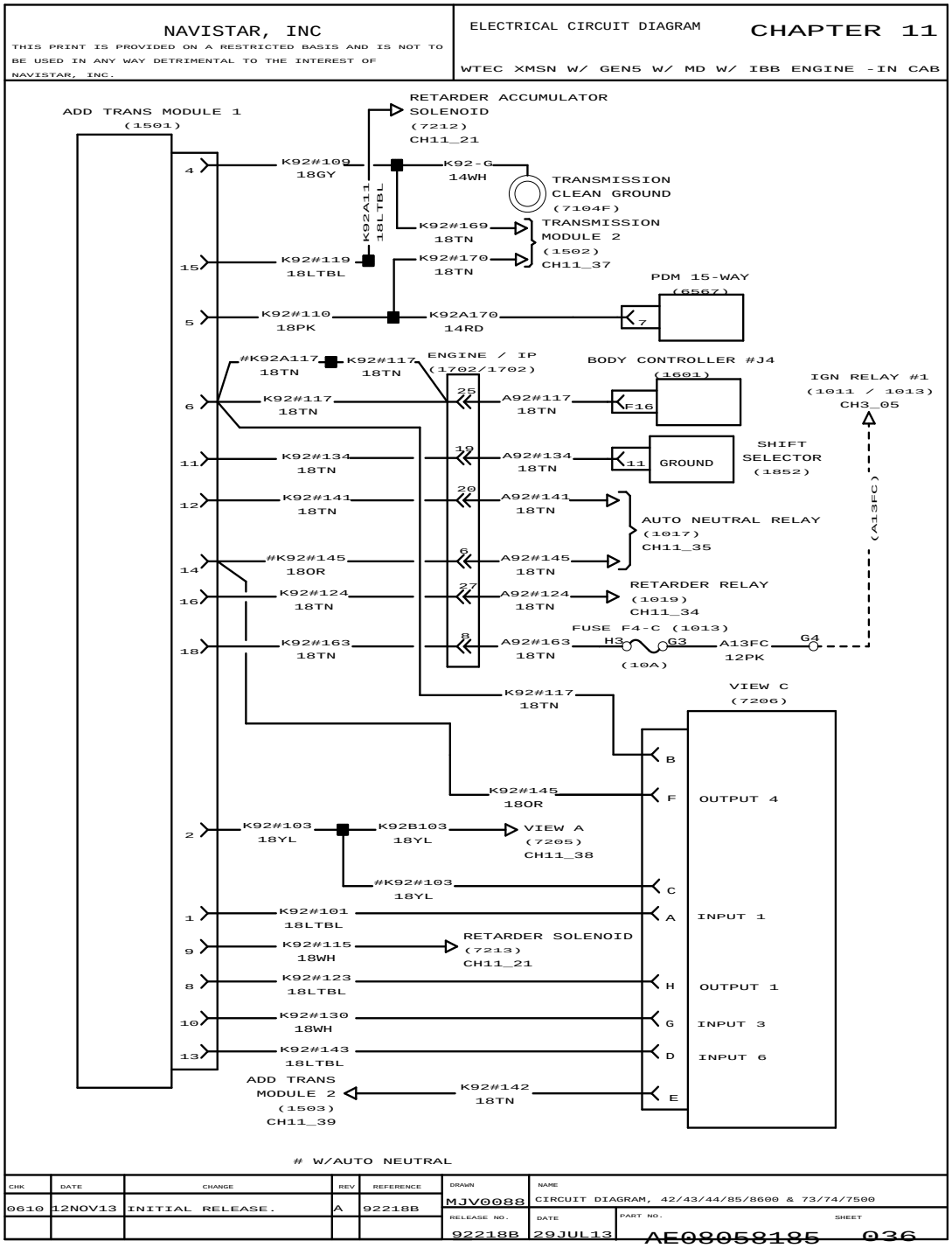

Figure 456 WTEC Transmission with Gen5 with MD with IBB Engine – In Cab

https://truckmanualshub.com/

11.42. WTEC TRANSMISSION WITH GEN5 WITH MD WITH IBB ENGINE – IN CAB (CONT.), P. 37

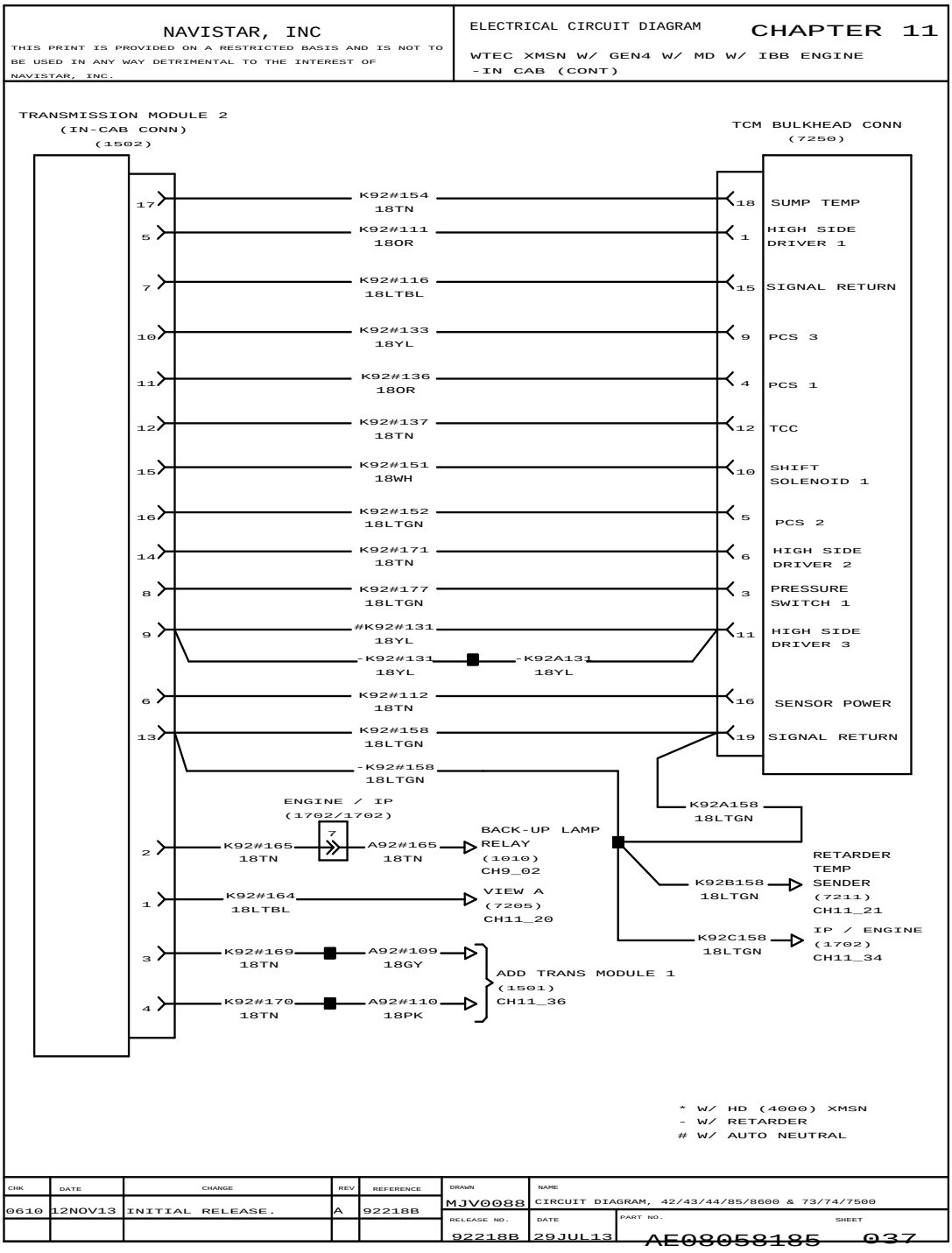

Figure 457 WTEC Transmission with Gen5 with MD with IBB Engine – In Cab (Cont.)

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11.43. WTEC TRANSMISSION WITH GEN5 WITH MD WITH IBB ENGINE – IN CAB (CONT.), P. 38

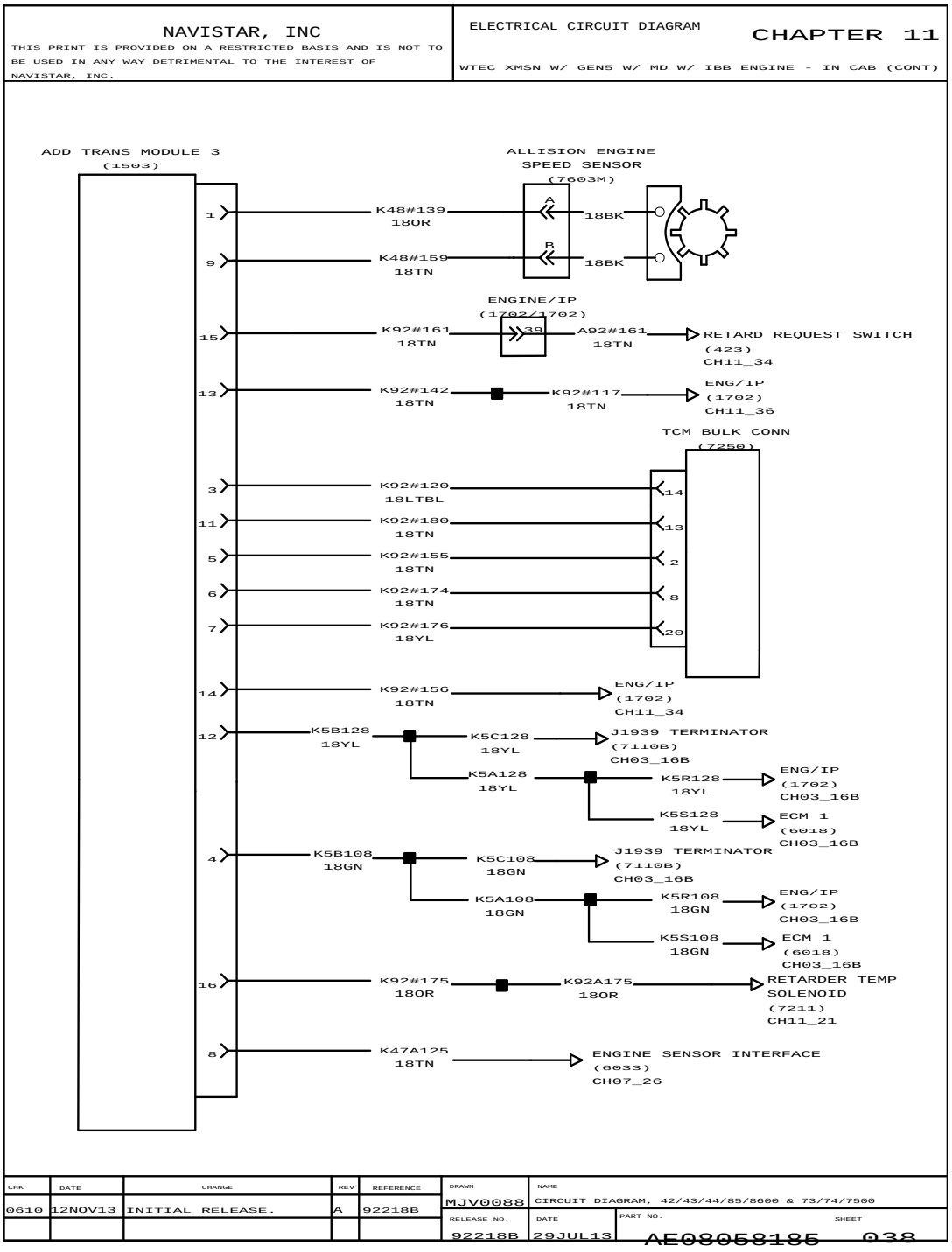

Figure 458 WTEC Transmission with Gen5 with MD with IBB Engine – In Cab (Cont.)

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11.44. WTEC TRANSMISSION WITH GEN5 WITH MD WITH IBB ENGINE – IN CAB (CONT.), P. 39

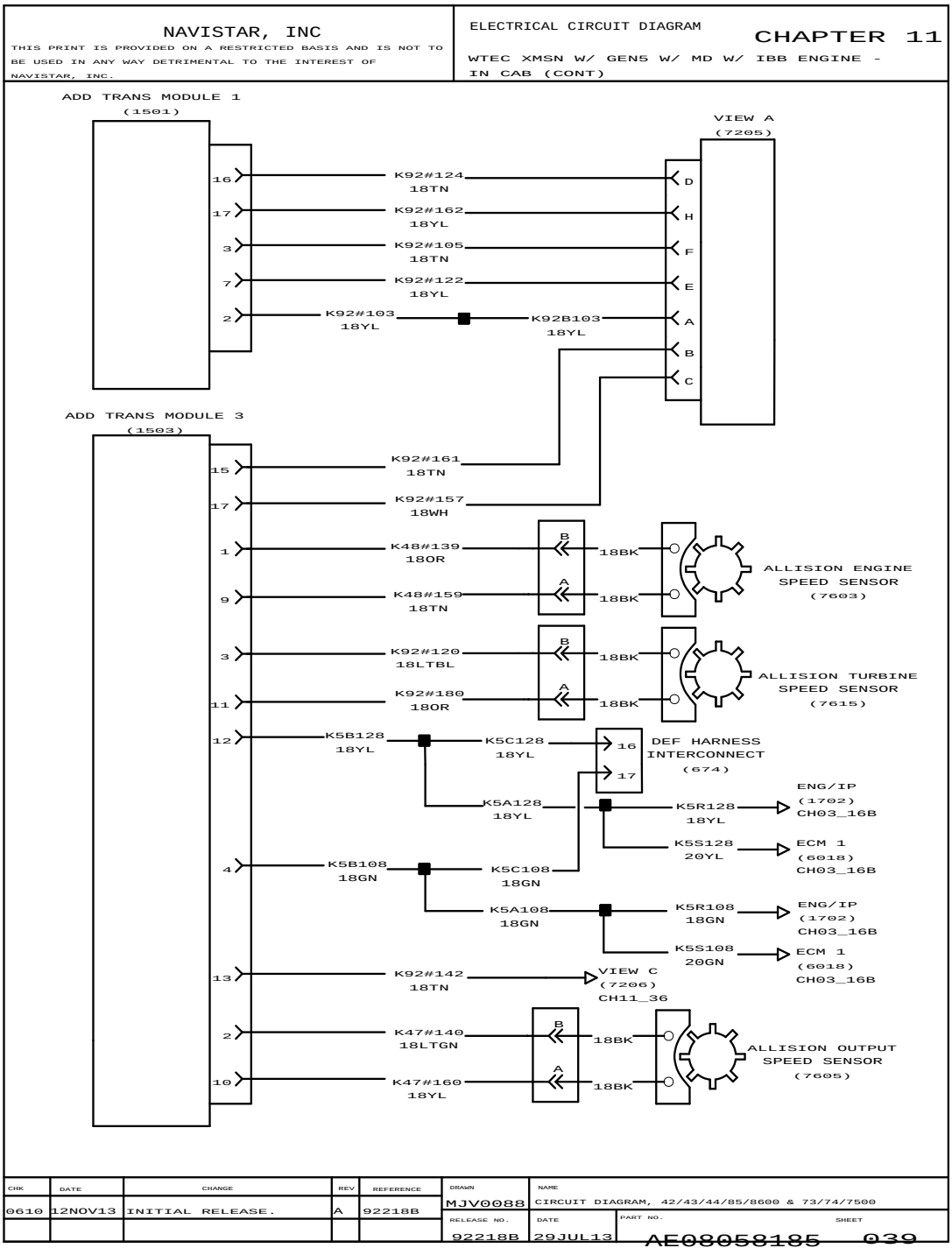

Figure 459 WTEC Transmission with Gen5 with MD with IBB Engine – In Cab (Cont.)

https://truckmanualshub.com/

11.45. MANUAL TRANSMISSION WITH BYPASS SWITCH, P. 40

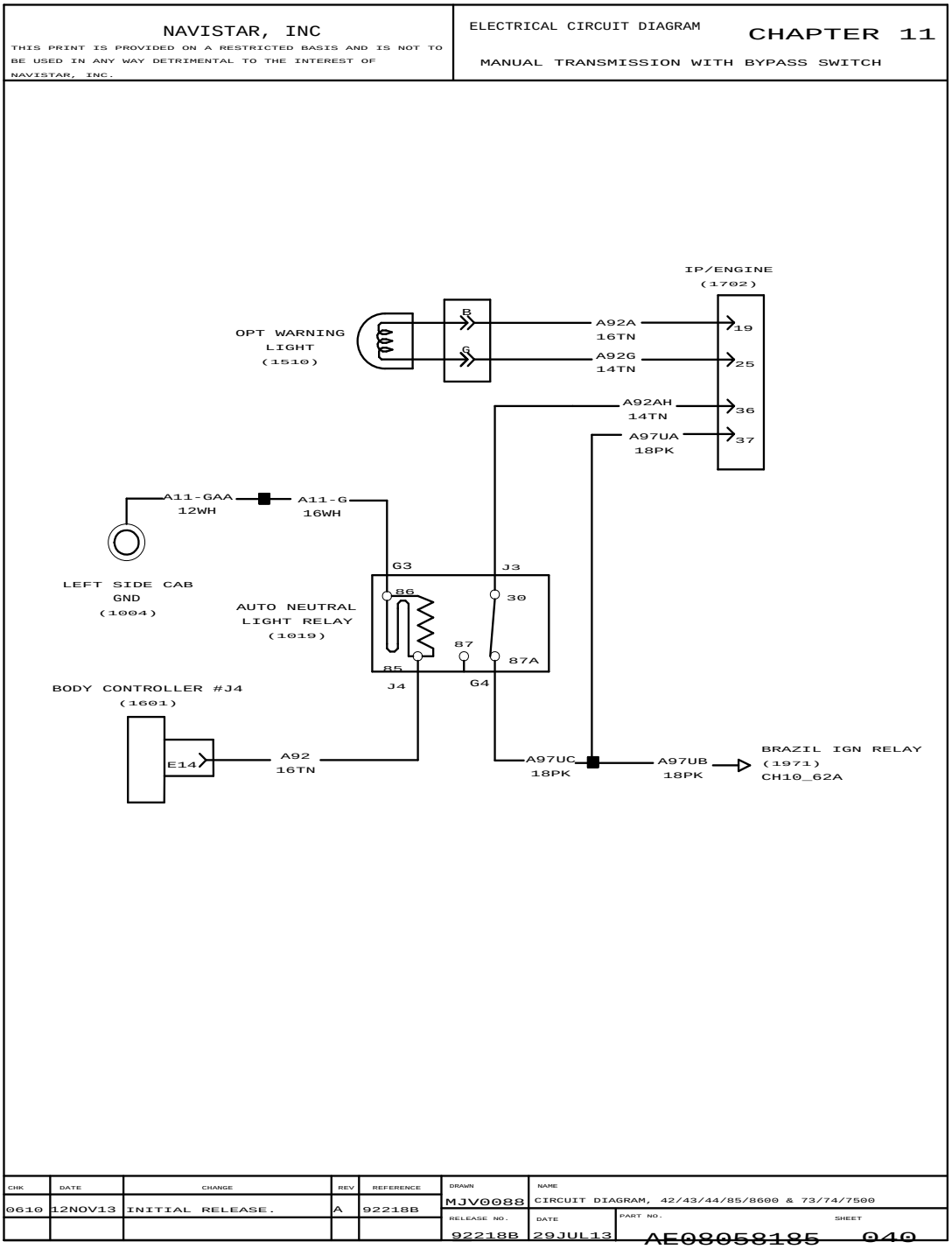

Figure 460 Manual Transmission with Bypass Switch

https://truckmanualshub.com/

11.46. ALLISON TRANSMISSION (2013 CUMMINS ISB MD), P. 41

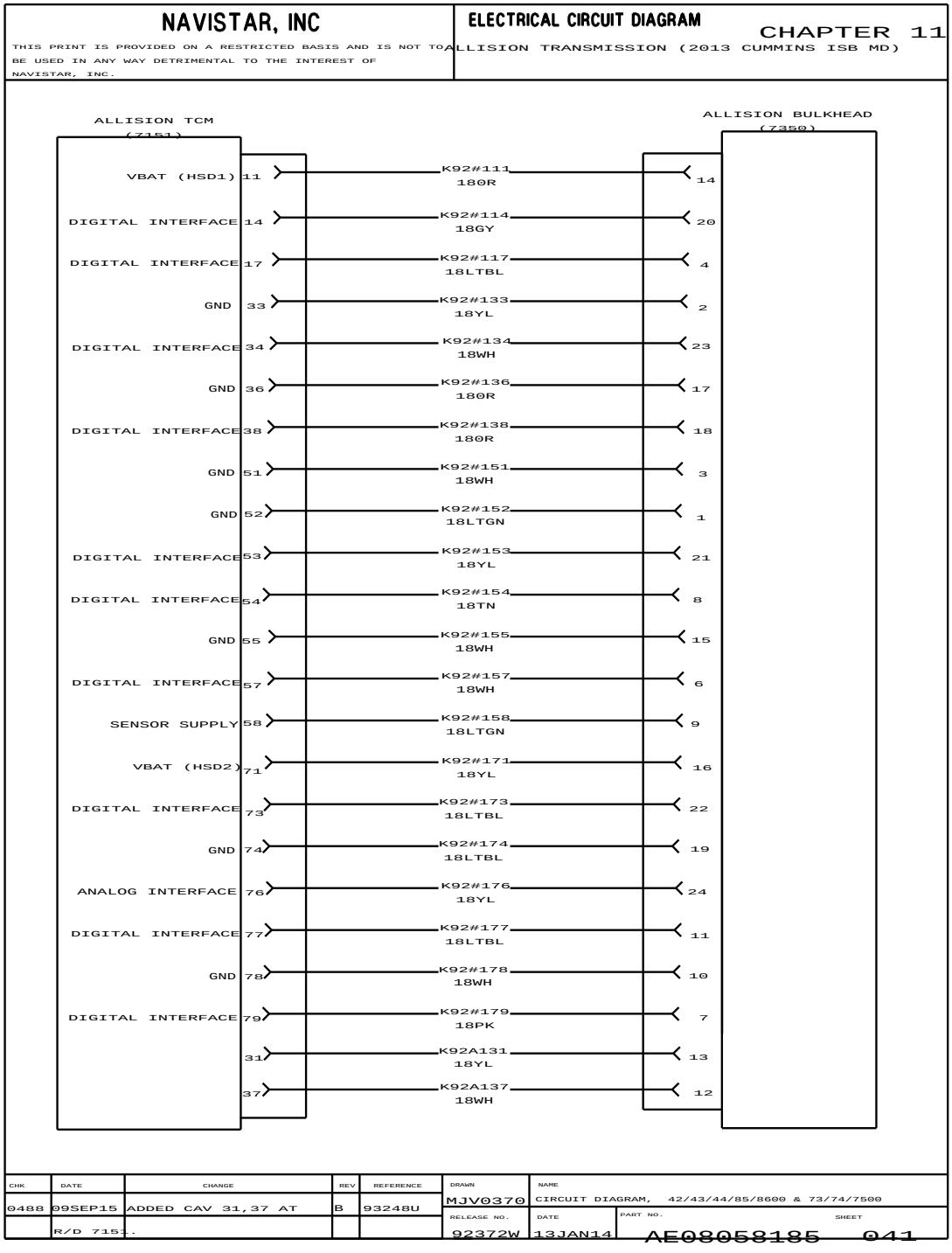

Figure 461 Allison Transmission (2013 Cummins ISB MD)

https://truckmanualshub.com/

11.47. ALLISON TRANSMISSION (2013 CUMMINS ISB MD) (CONT.), P. 42

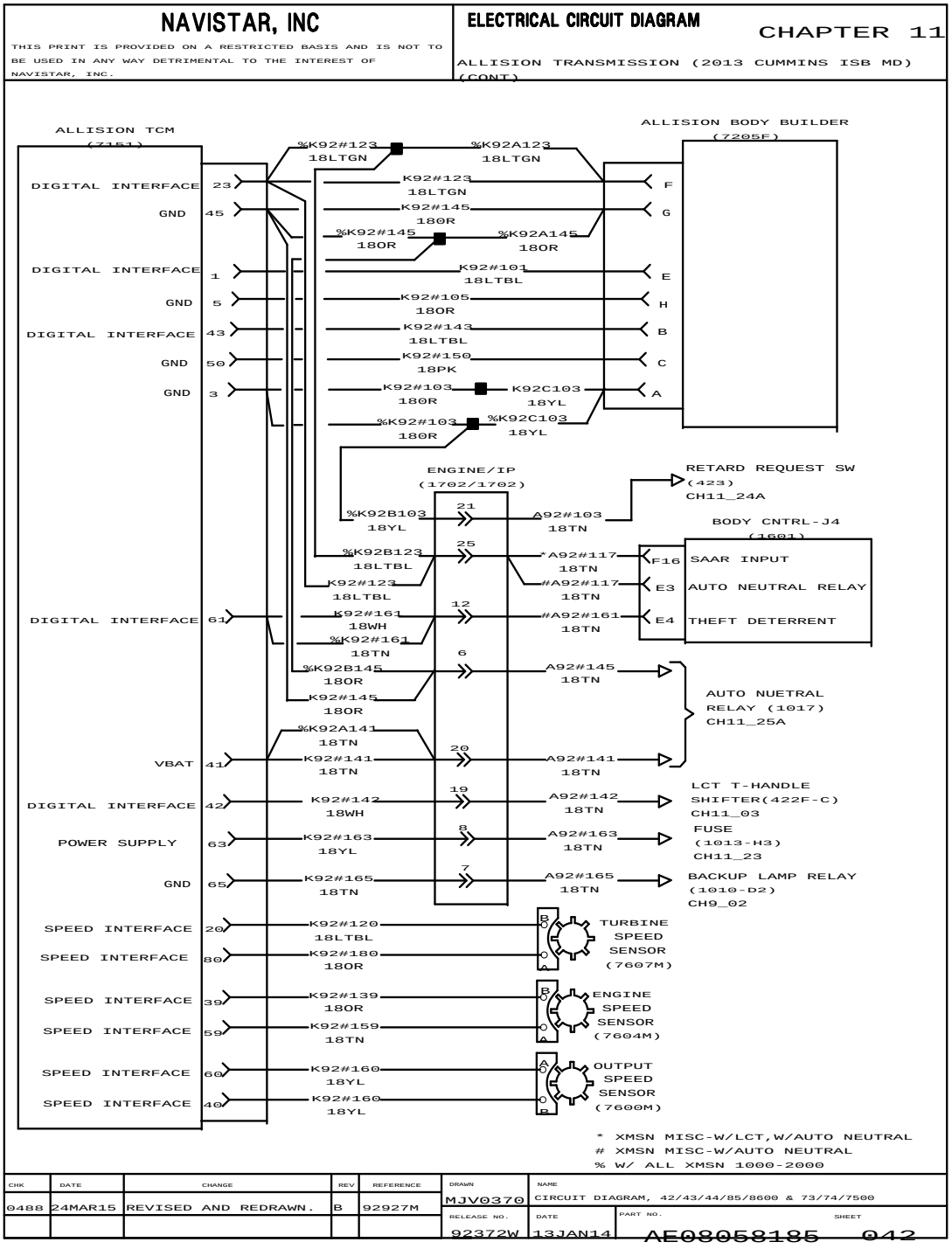

Figure 462 Allison Transmission (2013 Cummins ISB MD) (Cont.)

https://truckmanualshub.com/

11.48. ALLISON TRANSMISSION (2013 CUMMINS ISB MD) (CONT.), P. 43

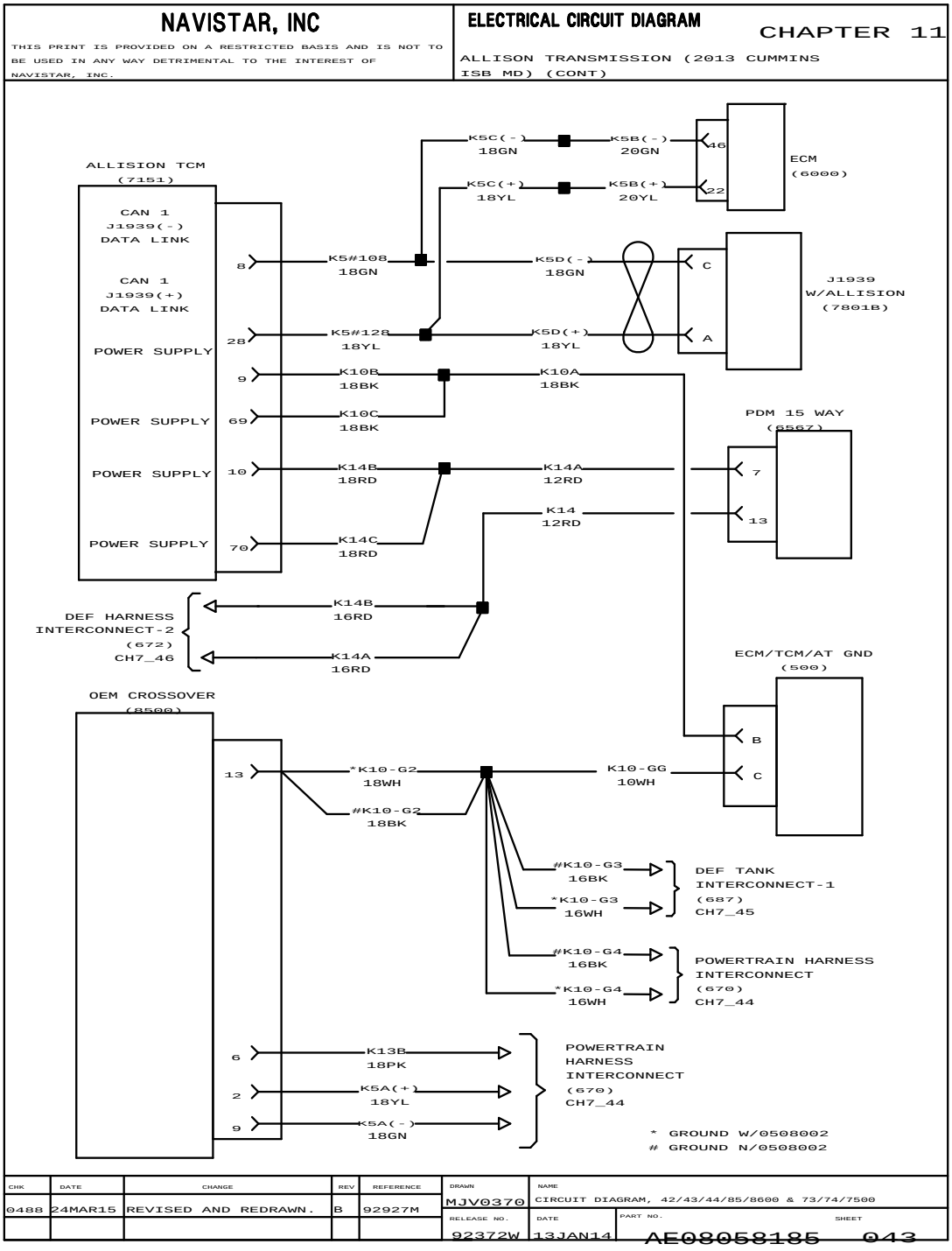

Figure 463 Allison Transmission (2013 Cummins ISB MD) (Cont.)

https://truckmanualshub.com/

11.49. ALLISON TRANSMISSION TC10 TRANSMISSION, P. 44

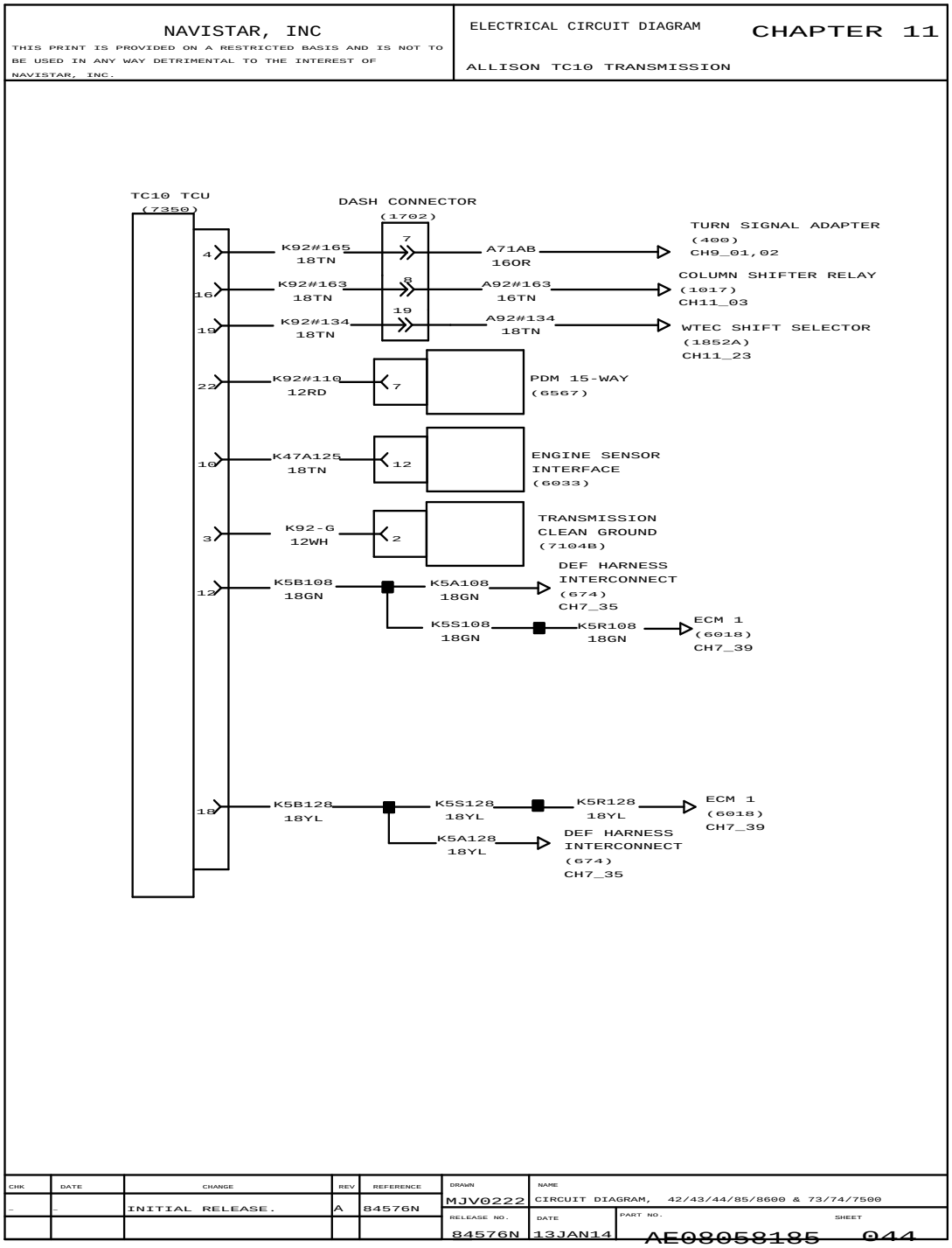

Figure 464 Allison Transmission TC10 Transmission

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11.50. ALLISON GEN 4/5 1/2000 TRANSMISSION WITH I6, 1-367 ENGINE, P. 45

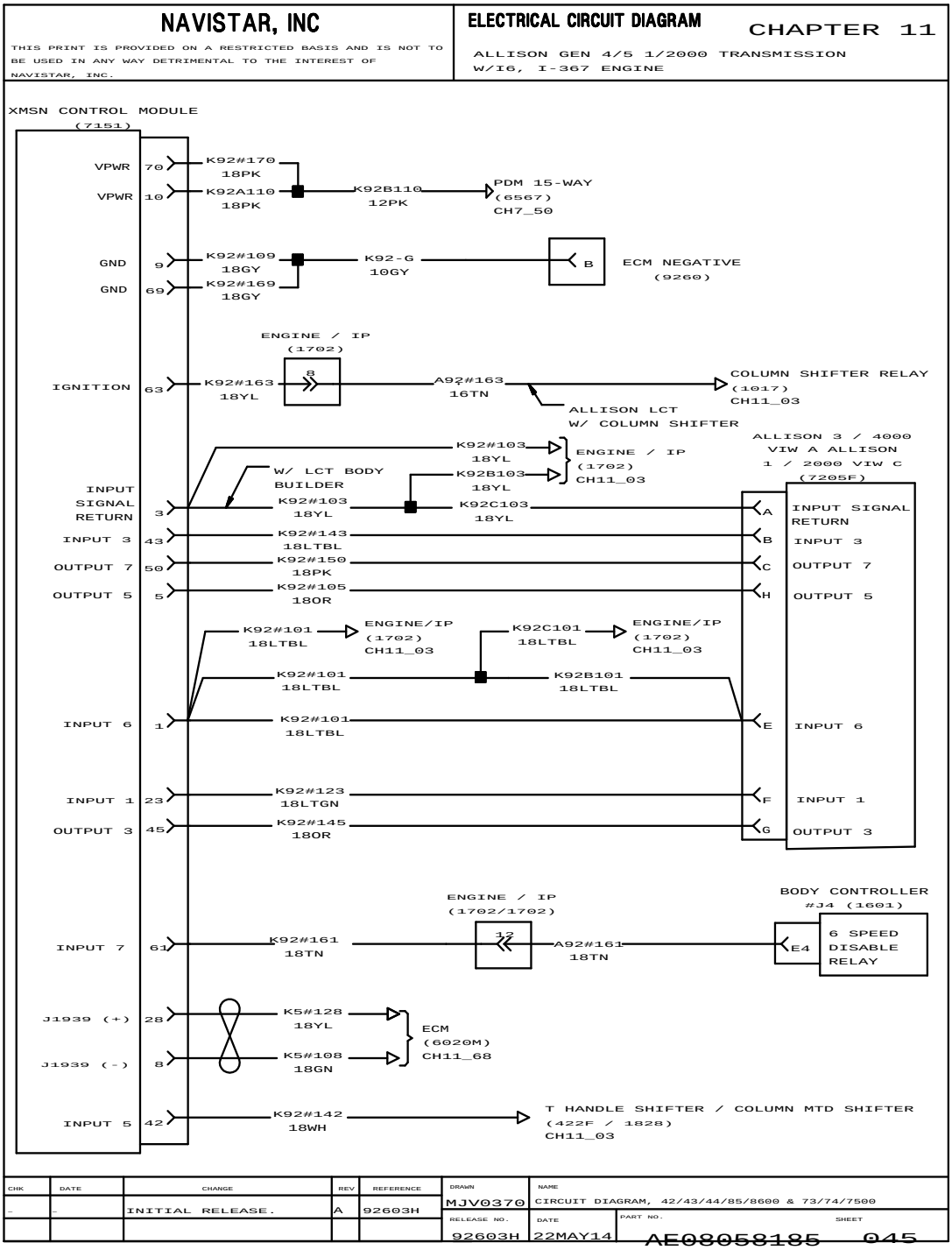

Figure 465 Allison Gen 4/5 1/2000 Transmission with I6, 1-367 Engine

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11.51. ALLISON GEN 4/5 1/2000 TRANSMISSION WITH I6, 1-367 ENGINE (CONT.), P. 46

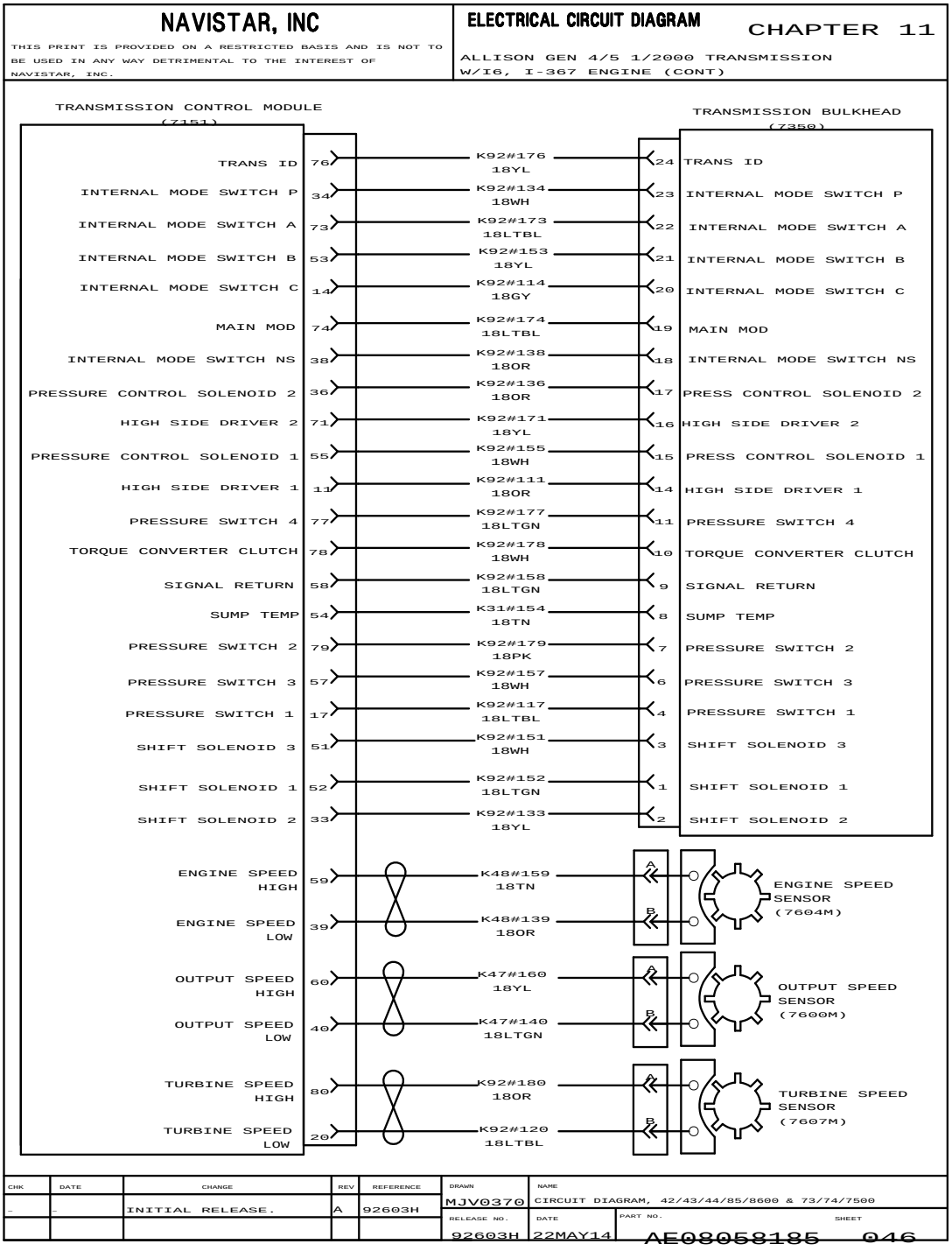

Figure 466 Allison Gen 4/5 1/2000 Transmission with I6, 1-367 Engine (Cont.)

https://truckmanualshub.com/

11.52. TRANSMISSION ALLISON MD WITH I6, I-367 ENGINE, P. 47

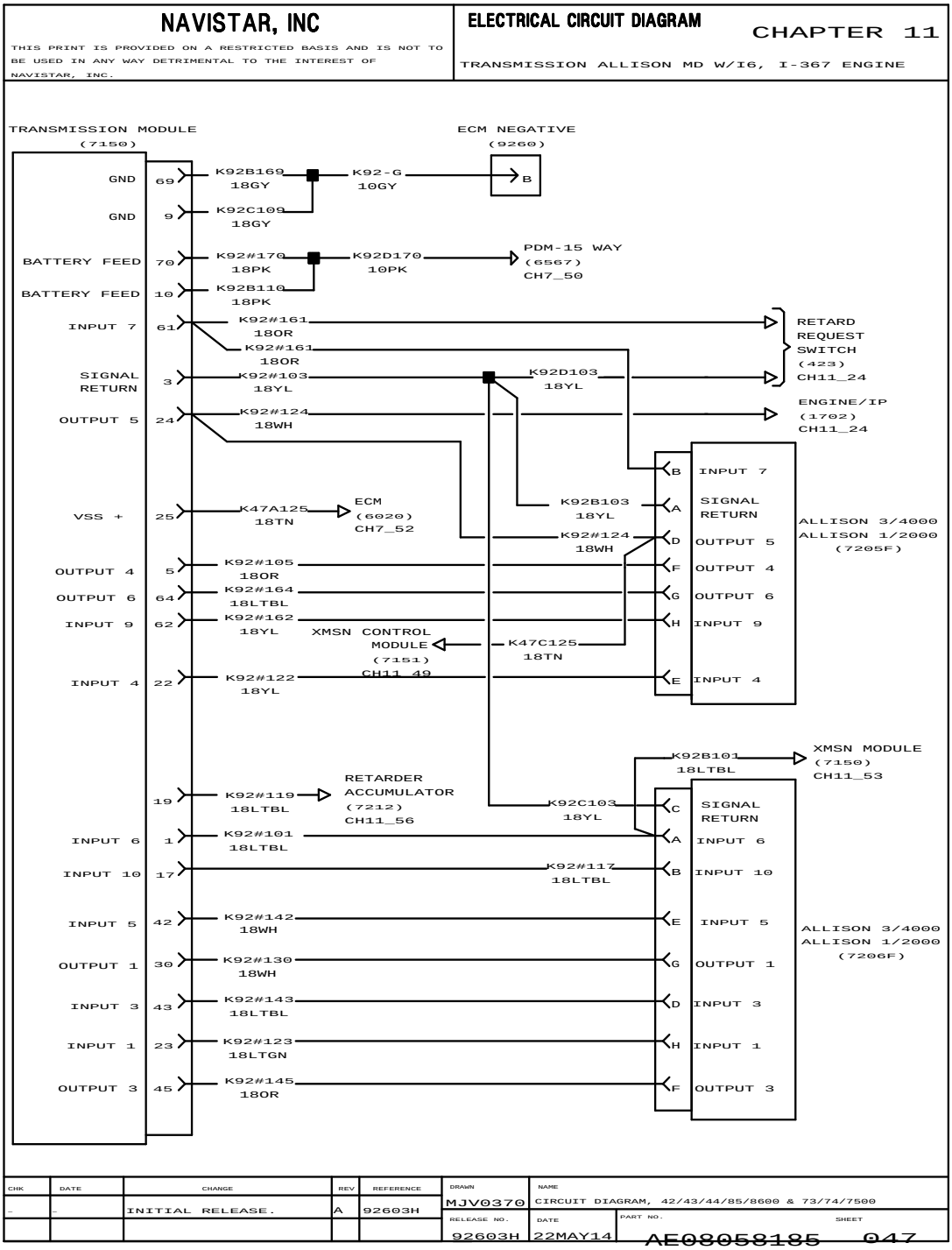

Figure 467 Transmission Allison MD with I6, I-367 Engine

https://truckmanualshub.com/

11.53. J1939 DATA LINK I6, I-367 ENGINE, P. 48

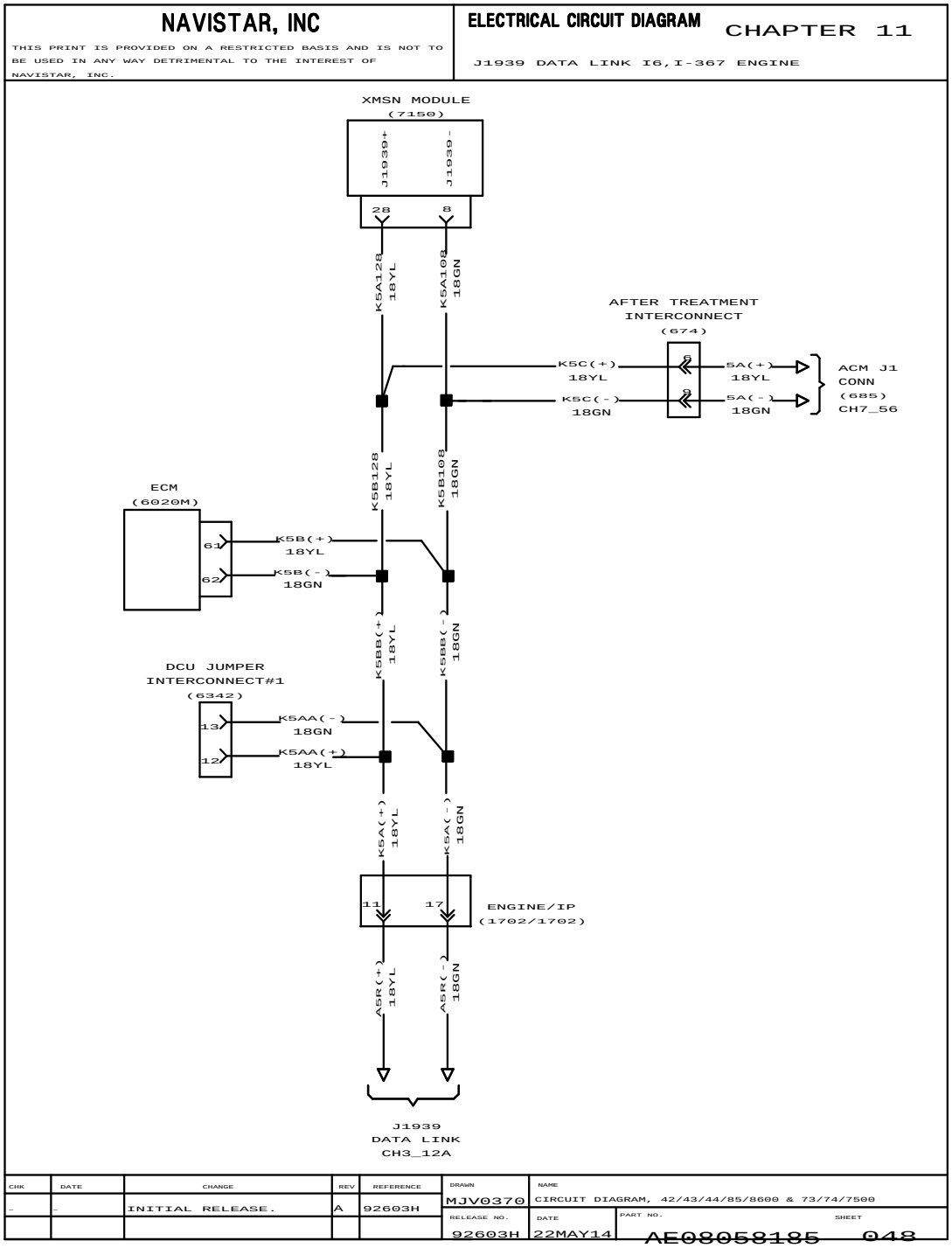

Figure 468 J1939 Data Link I6, I-367 Engine

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11.54. ALLISON 1/2000 TRANSMISSION WITH I6, I-367 ENGINE, P. 49

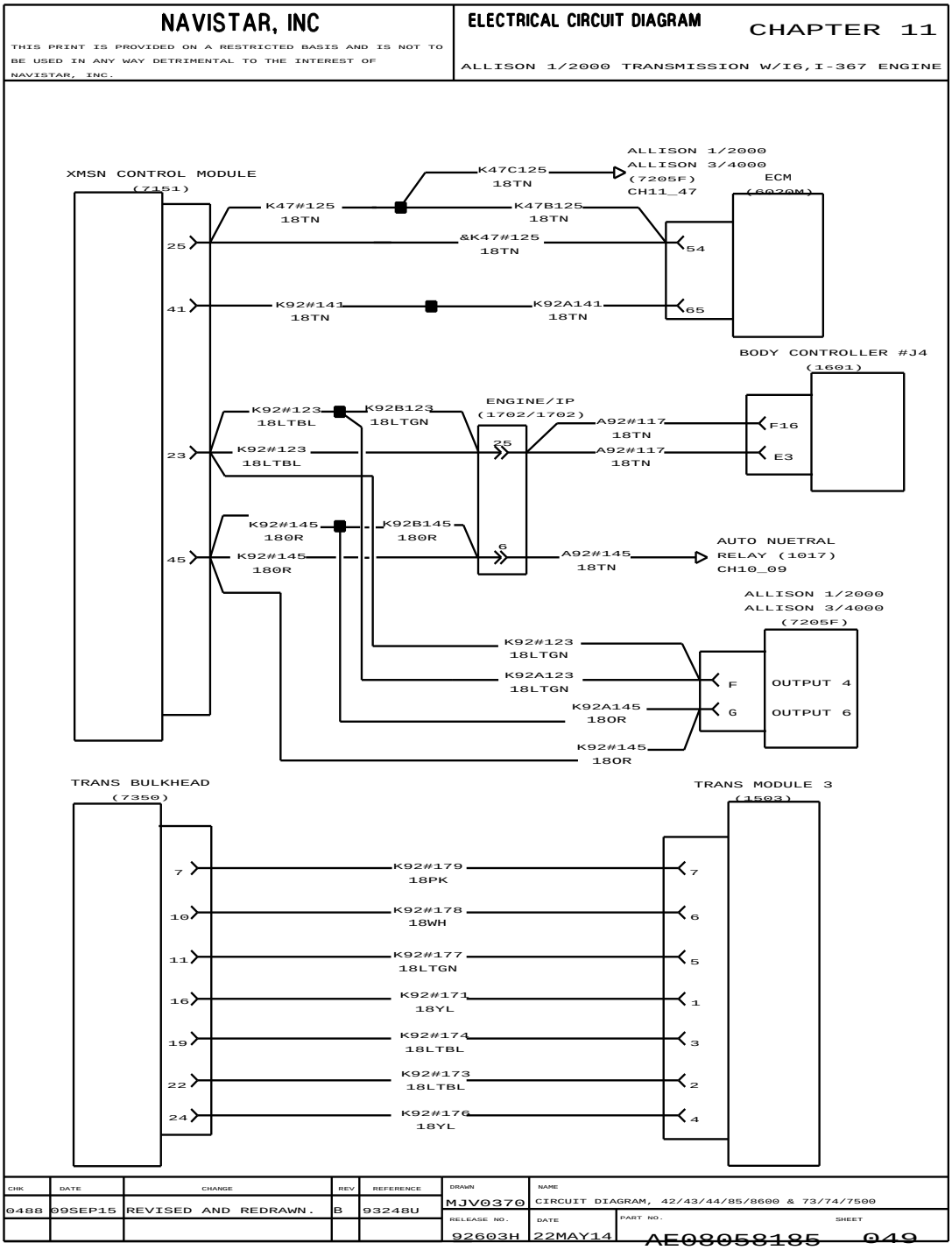

Figure 469 Allison 1/2000 Transmission with I6, I-367 Engine

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11.55. ALLISON 4/5 WTEC TRANSMISSION WITH I6, I-367 ENGINE, P. 50

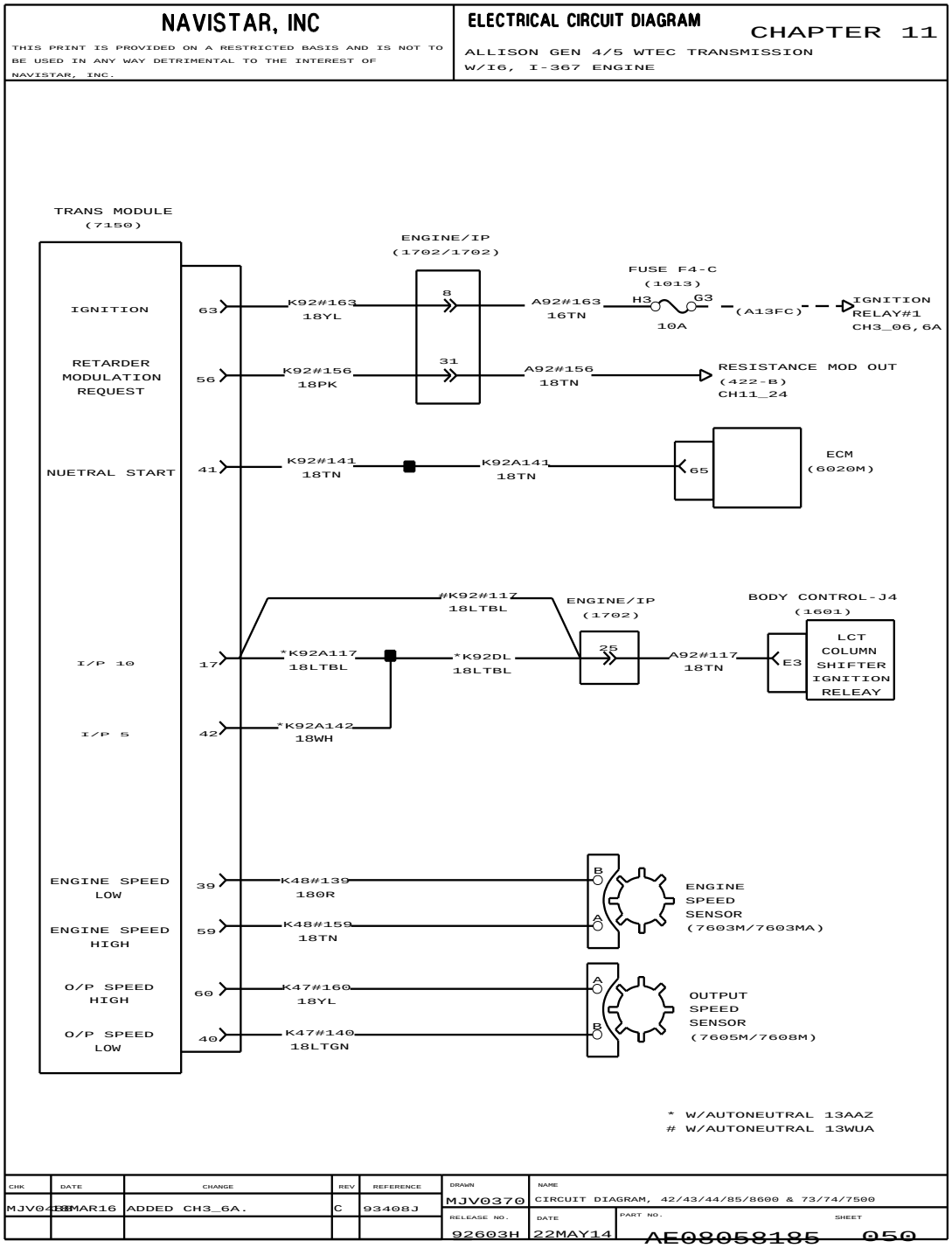

Figure 470 Allison 4/5 WTEC Transmission with I6, I-367 Engine

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11.56. TRANSMISSION MODULE WITH I6, I-367 ENGINE, P. 51

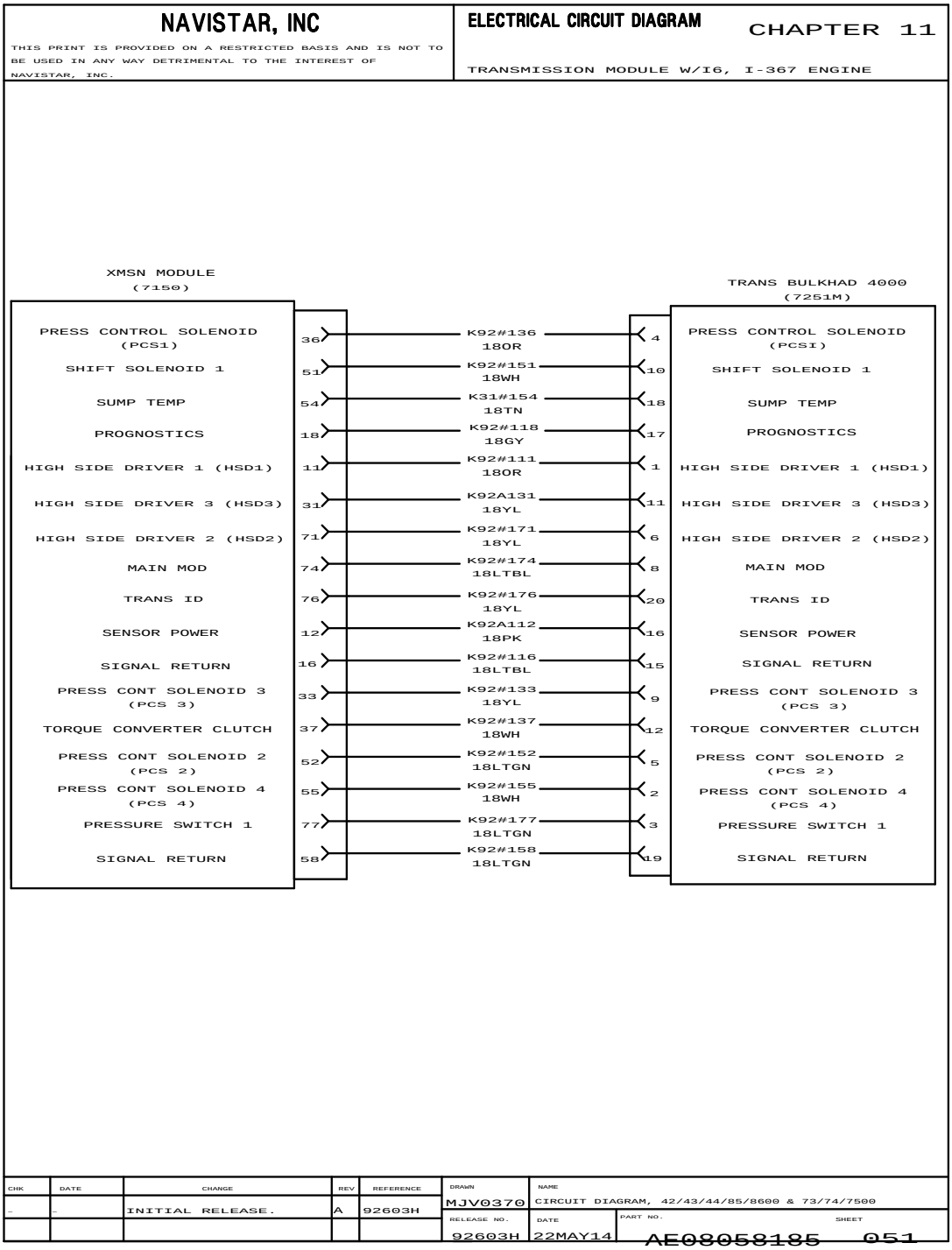

Figure 471 Transmission Module with I6, I-367 Engine

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11.57. TRANSMISSION MODULE WITH I6, I-367 ENGINE (CONT.), P. 52

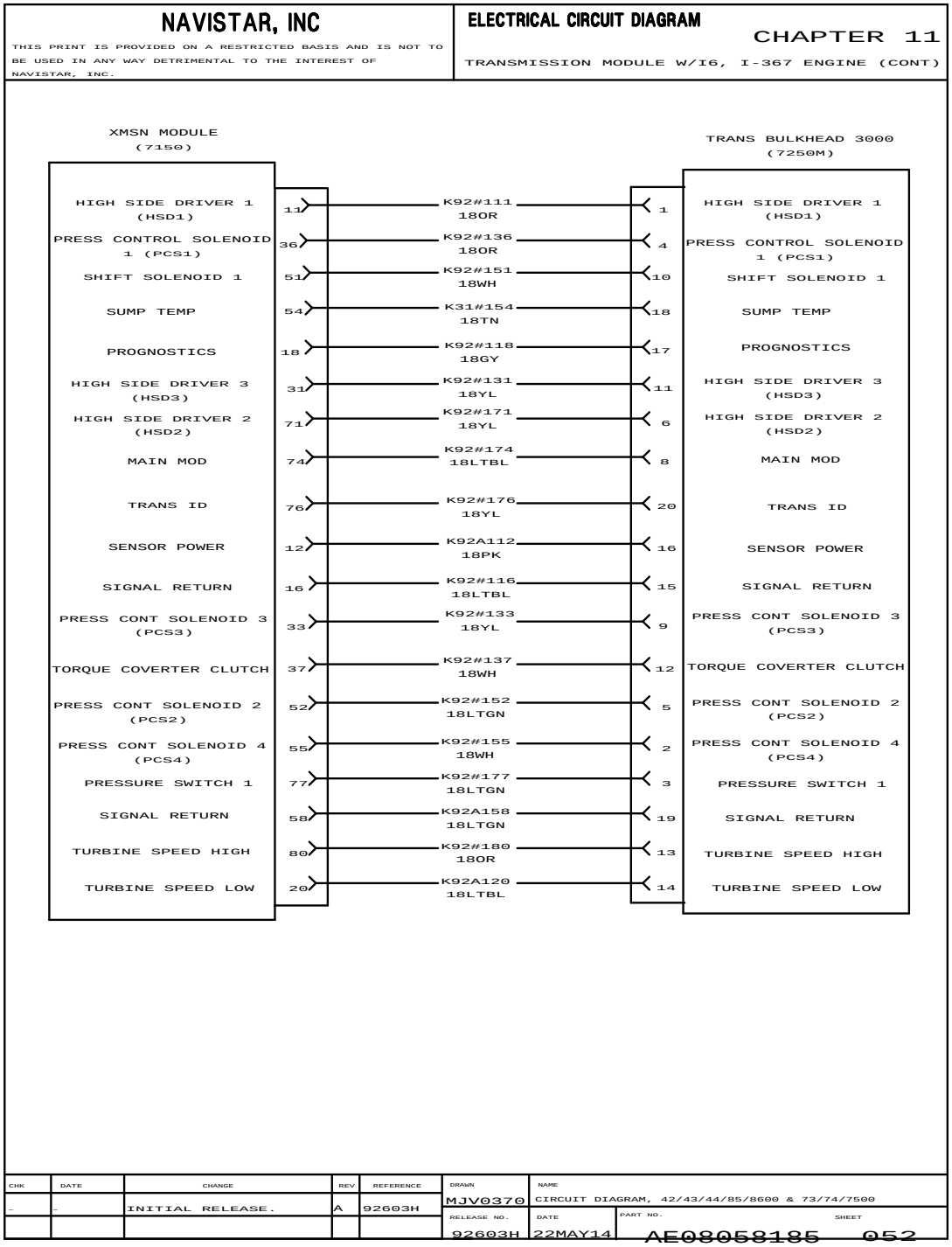

Figure 472 Transmission Module with I6, I-367 Engine (Cont.)

https://truckmanualshub.com/

11.58. TRANSMISSION MODULE WITH I6, I-367 ENGINE (CONT.), P. 53

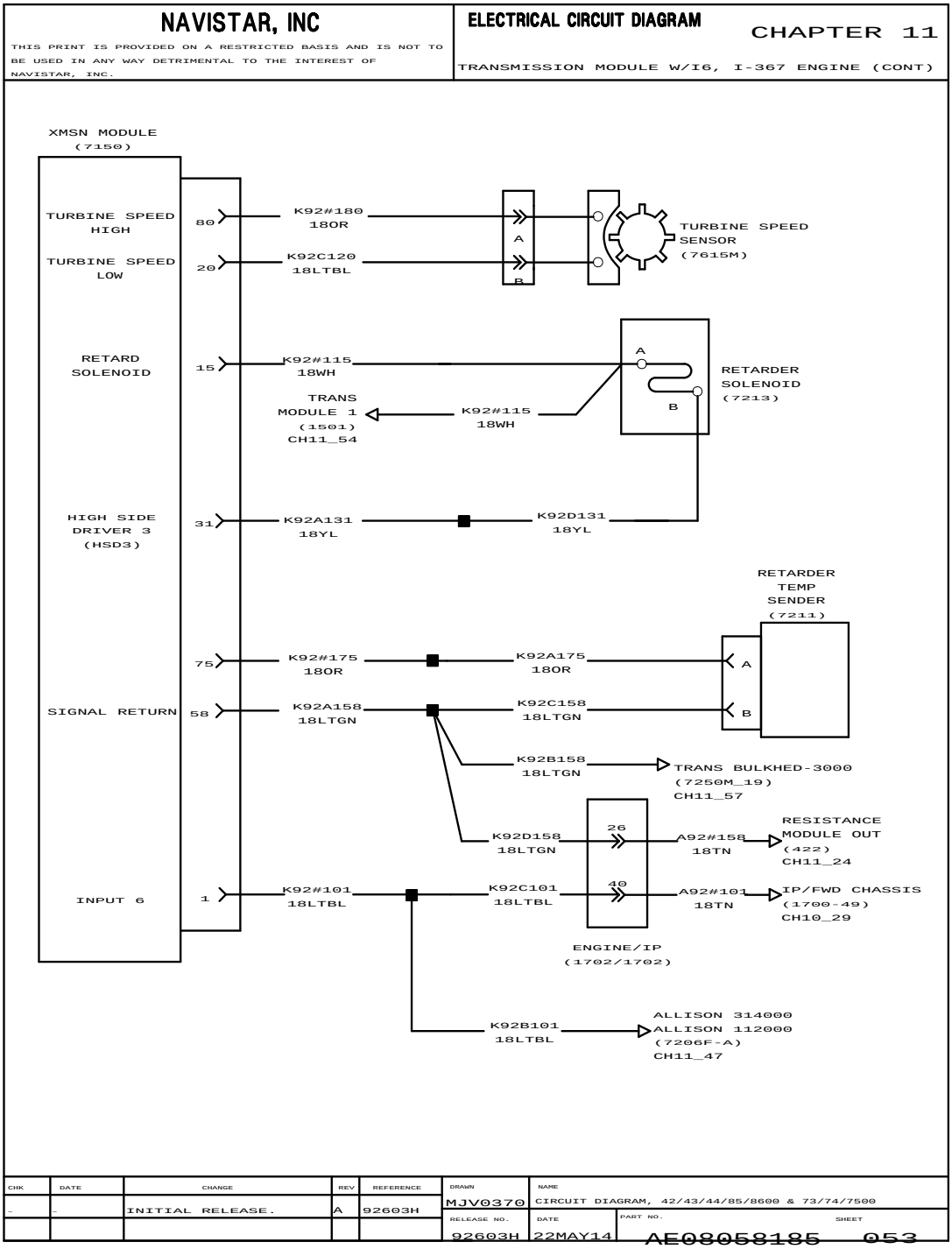

Figure 473 Transmission Module with I6, I-367 Engine (Cont.)

https://truckmanualshub.com/

11.59. TRANSMISSION MODULE WITH I6, I-367 ENGINE (CONT.), P. 54

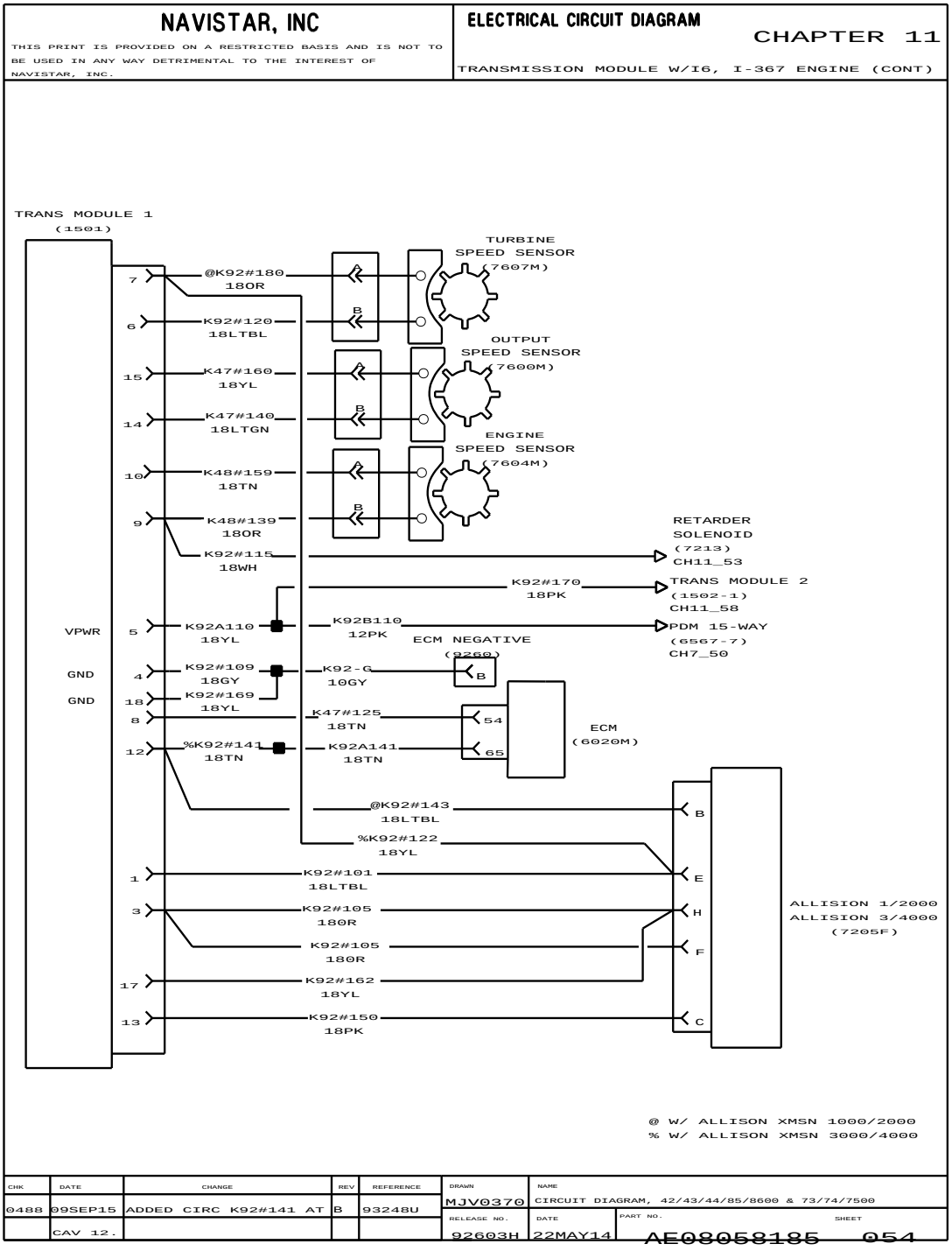

Figure 474 Transmission Module with I6, I-367 Engine (Cont.)

https://truckmanualshub.com/

11.60. TRANSMISSION MODULE WITH I6, I-367 ENGINE (CONT.), P. 55

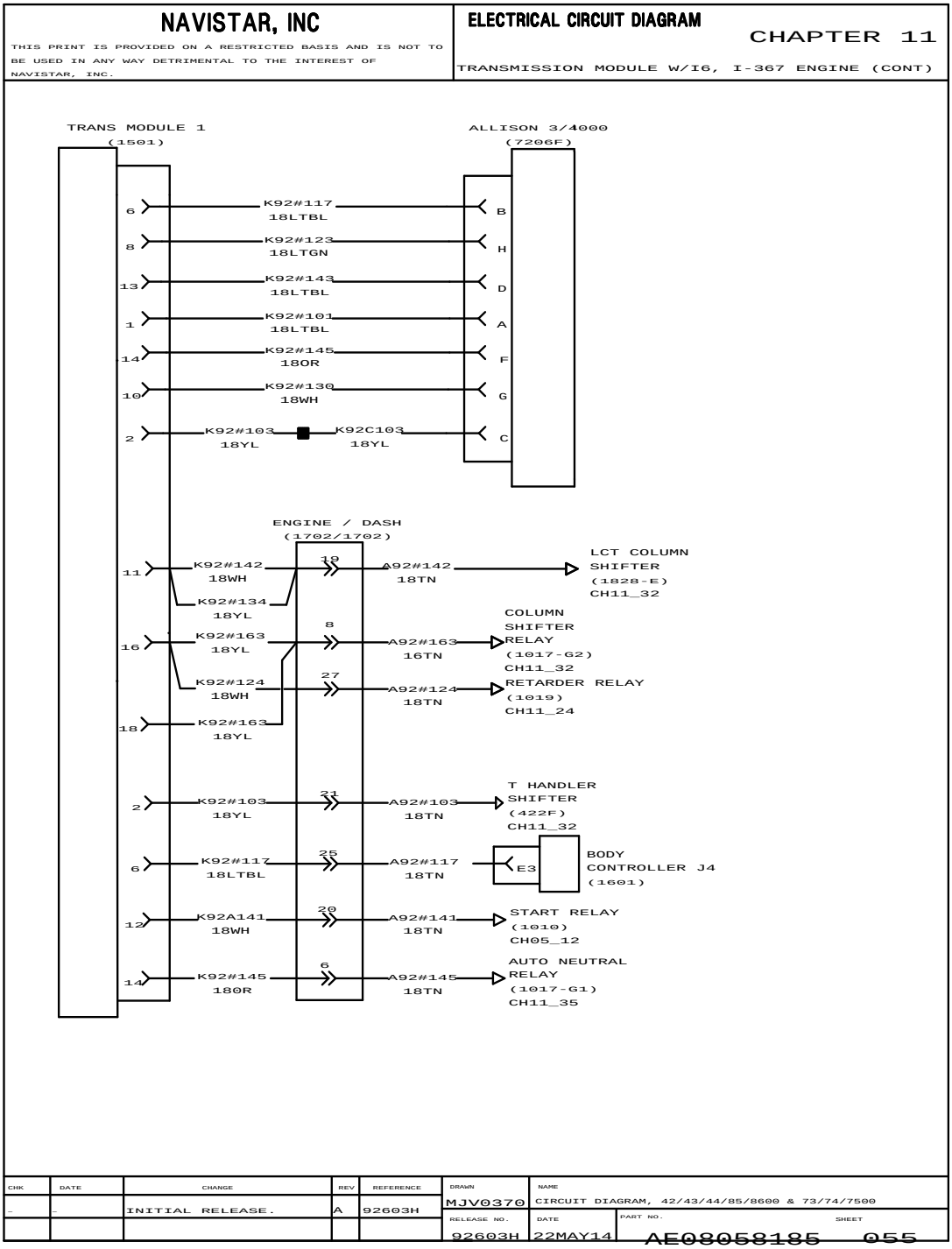

Figure 475 Transmission Module with I6, I-367 Engine (Cont.)

https://truckmanualshub.com/

11.61. TRANSMISSION MODULE WITH I6, I-367 ENGINE (CONT.), P. 56

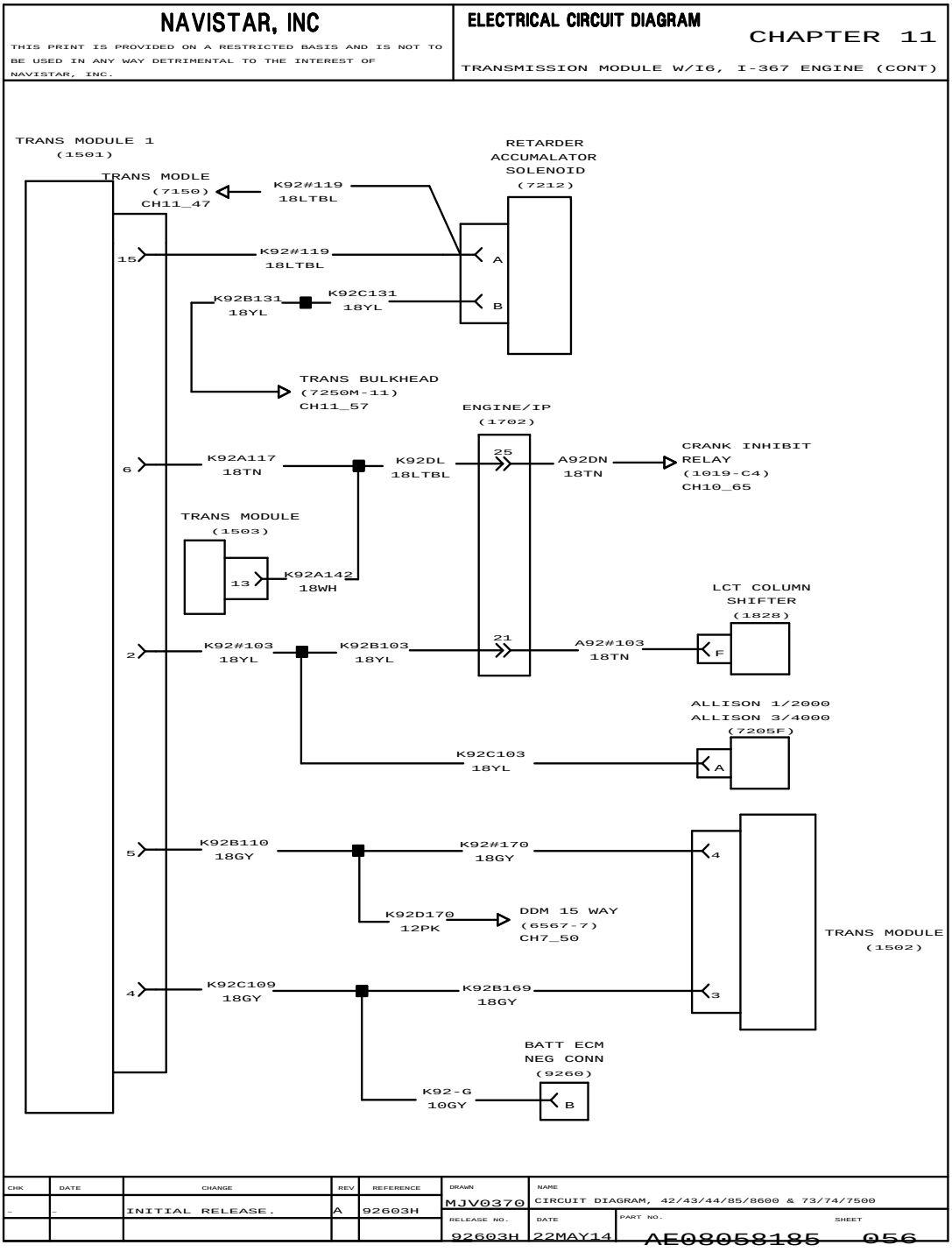

Figure 476 Transmission Module with I6, I-367 Engine (Cont.)

https://truckmanualshub.com/

11.62. TRANSMISSION MODULE WITH I6, I-367 ENGINE (CONT.), P. 57

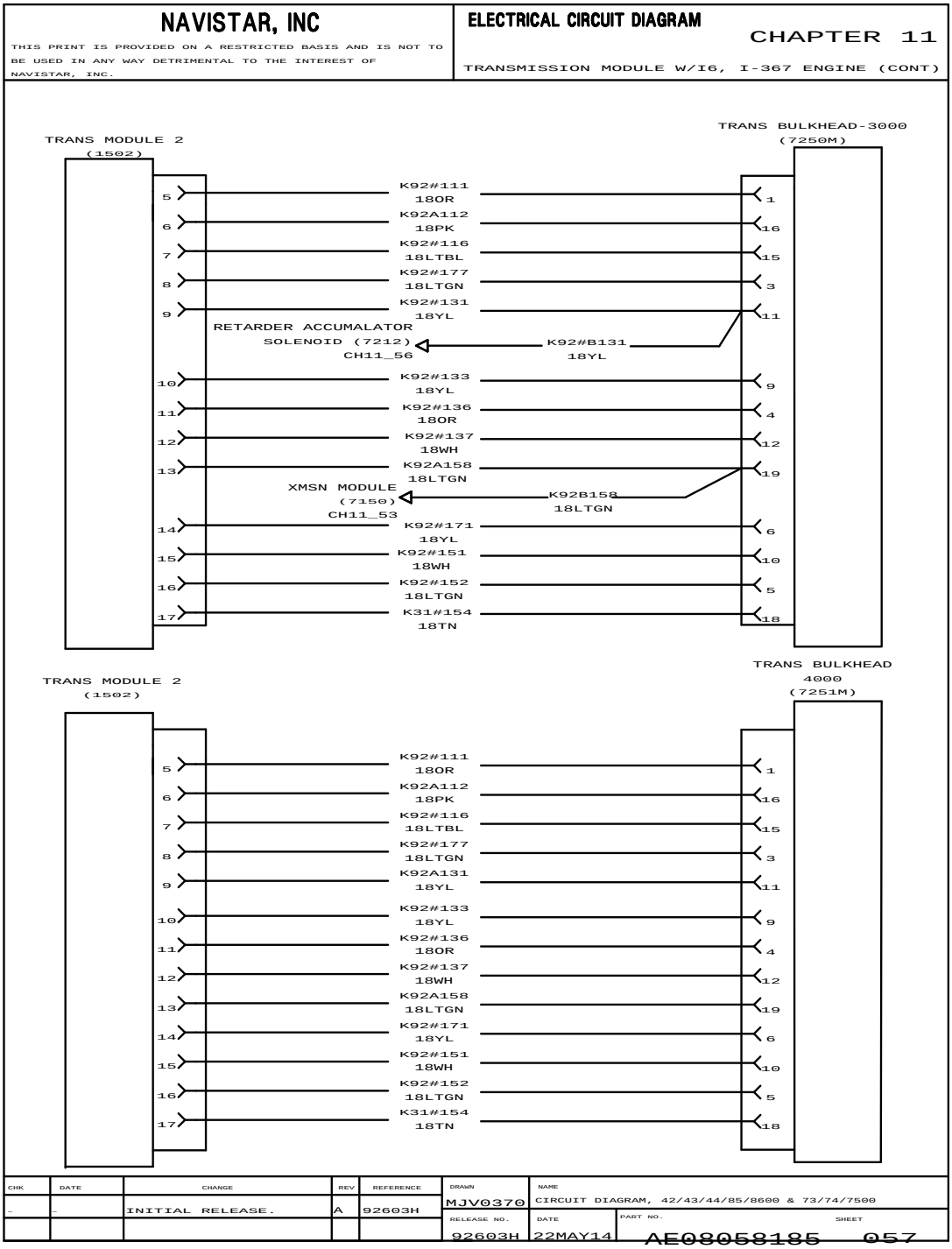

Figure 477 Transmission Module with I6, I-367 Engine (Cont.)

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11.63. TRANSMISSION MODULE WITH I6, I-367 ENGINE (CONT.), P. 58

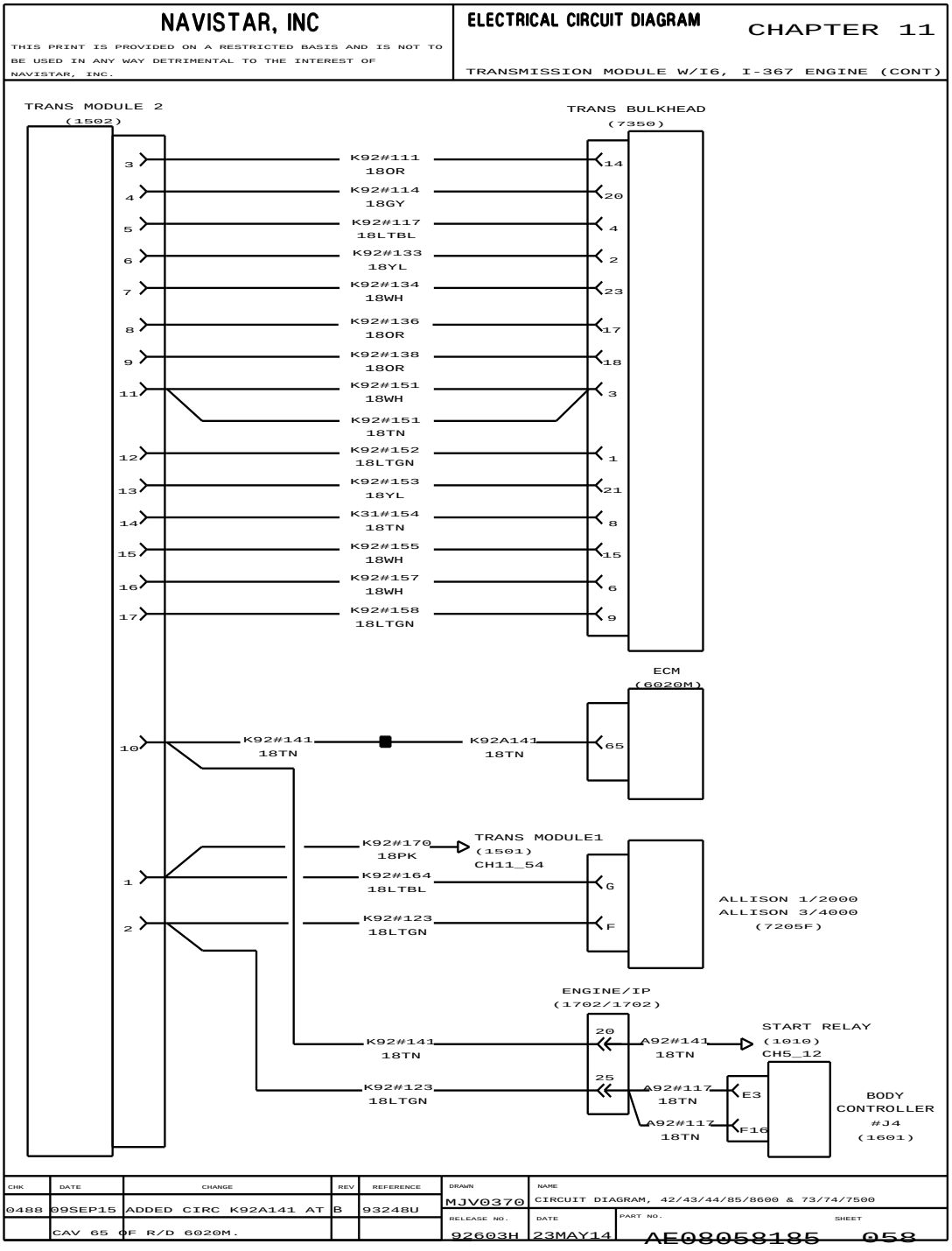

Figure 478 Transmission Module with I6, I-367 Engine (Cont.)

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11.64. TRANSMISSION MODULE WITH I6, I-367 ENGINE (CONT.), P. 59

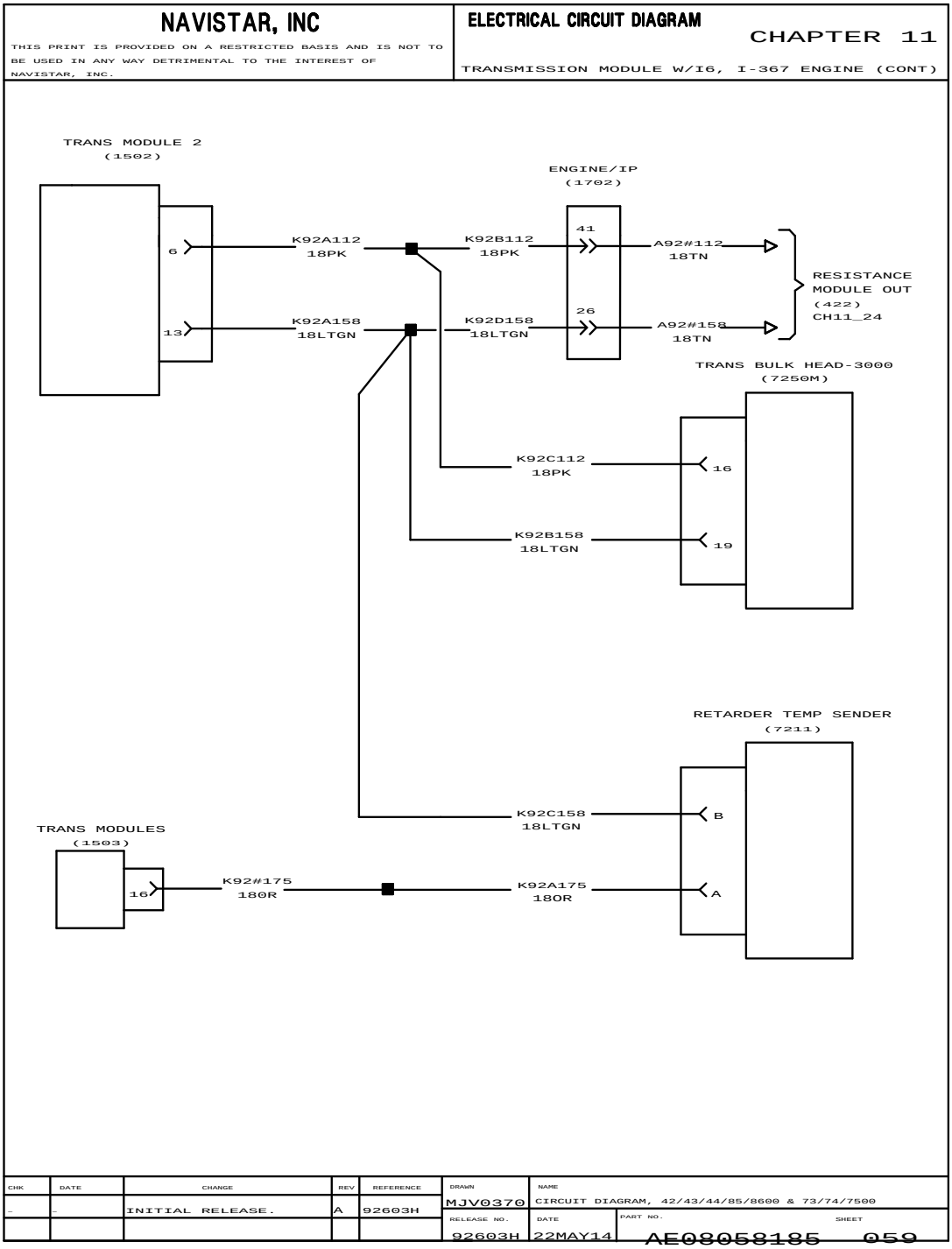

Figure 479 Transmission Module with I6, I-367 Engine (Cont.)

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11.65. TRANSMISSION MODULE WITH I6, I-367 ENGINE (CONT.), P. 60

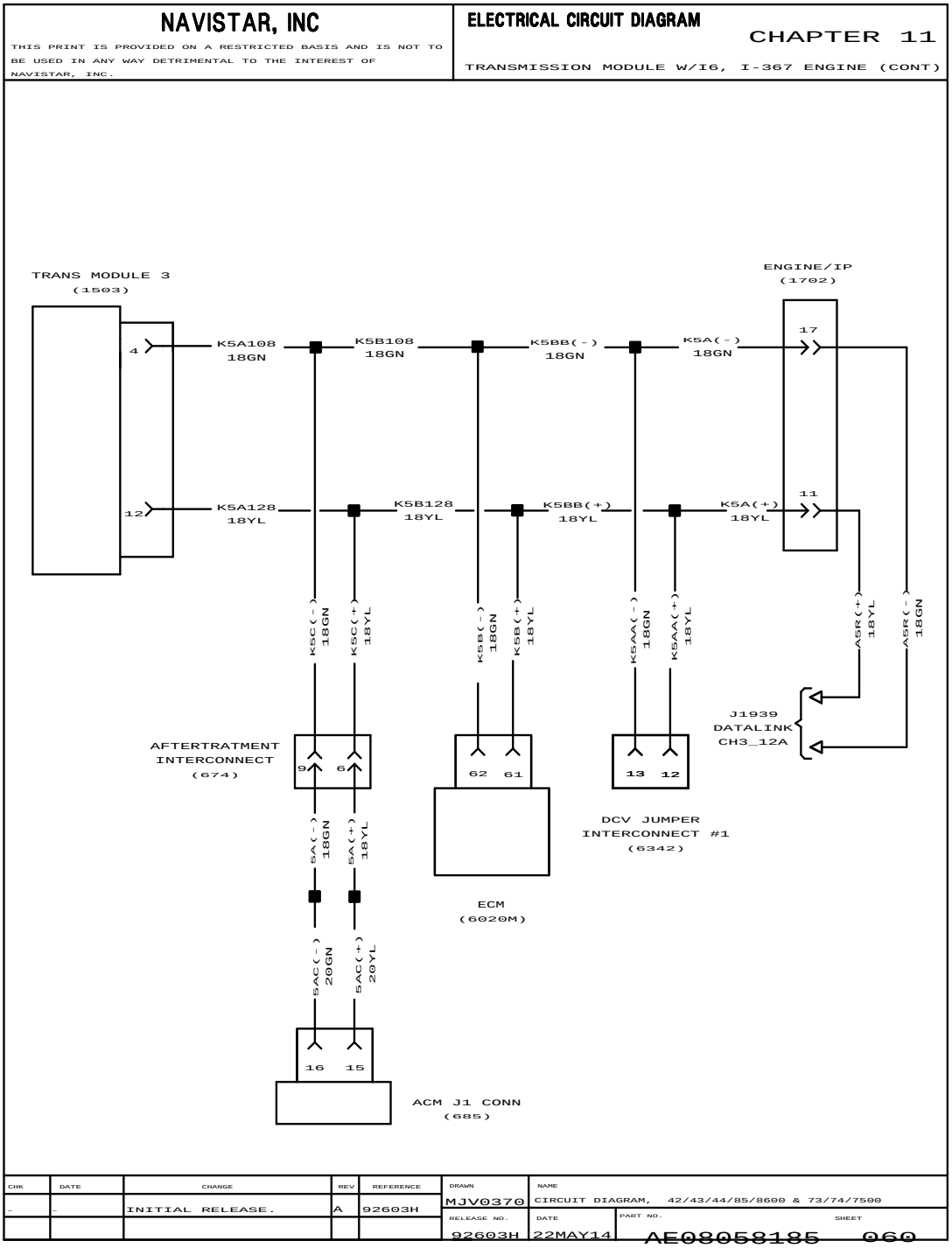

Figure 480 Transmission Module with I6, I-367 Engine (Cont.)

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11.66. TRANSMISSION MODULE WITH I6, I-367 ENGINE (CONT.), P. 61

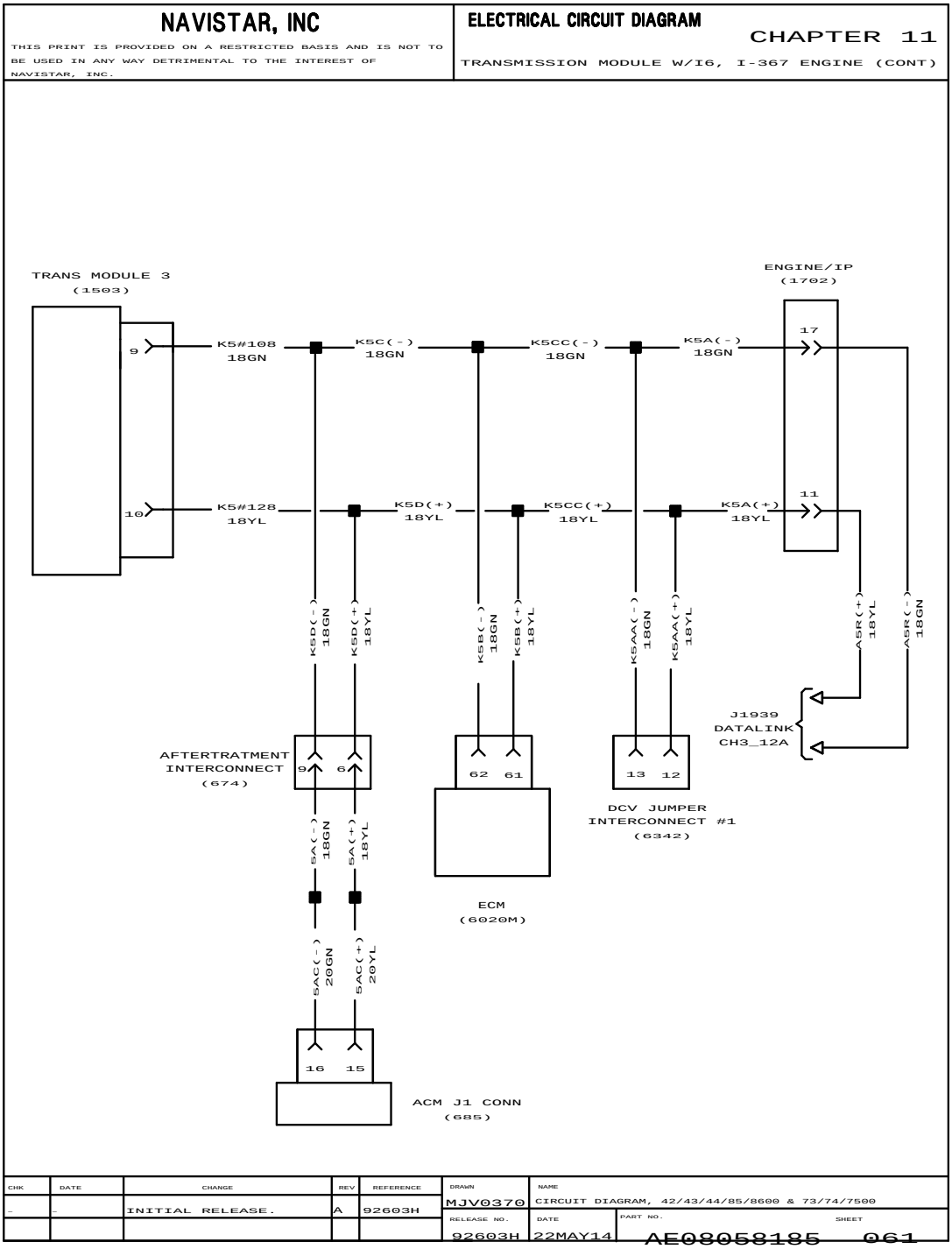

Figure 481 Transmission Module with I6, I-367 Engine (Cont.)

https://truckmanualshub.com/

11.67. AAT / AMMETER / TWO WAY RADIO WITH ISB ENGINE, P. 62

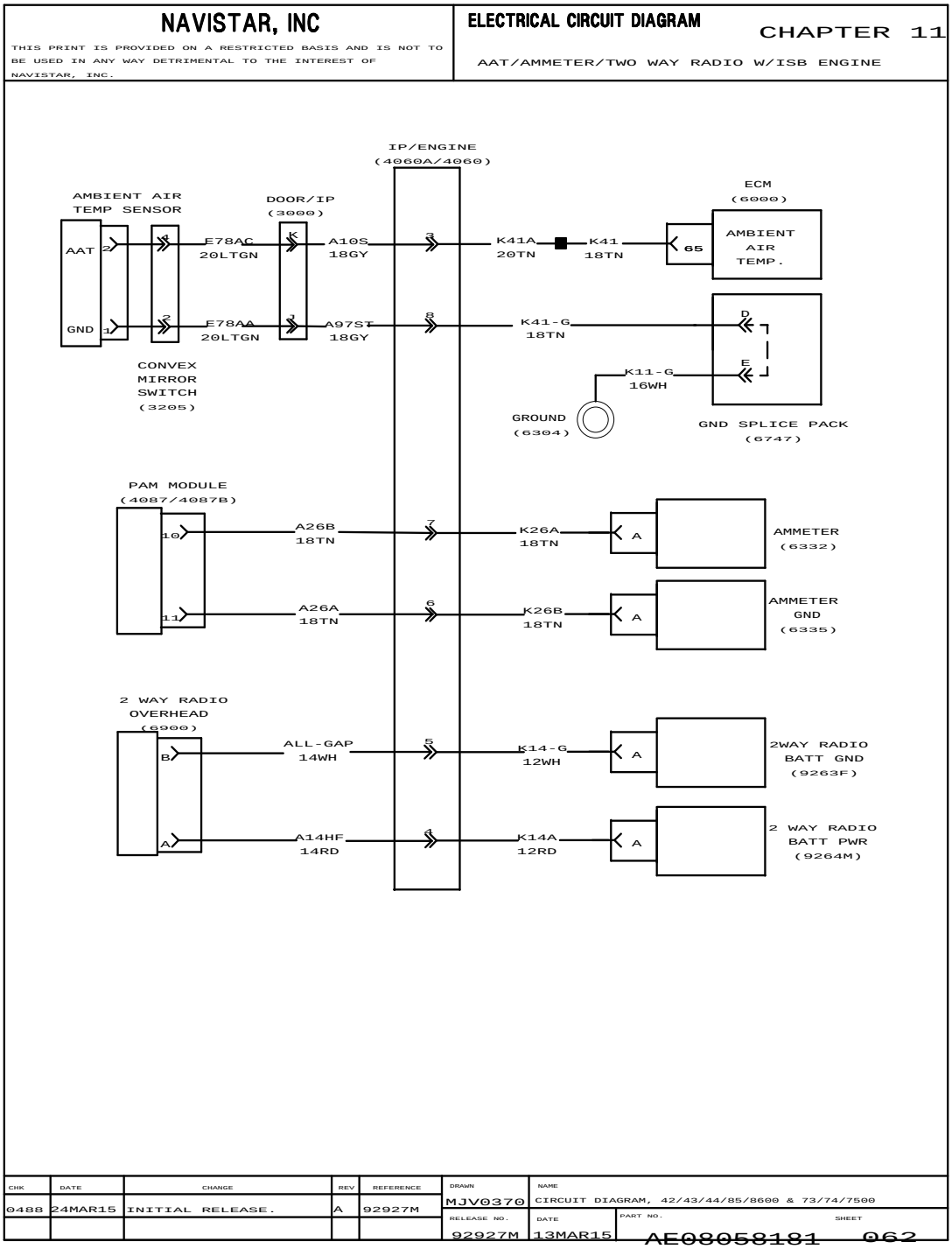

Figure 482 AAT / Ammeter / Two way Radio with ISB Engine

https://truckmanualshub.com/

11.68. TRANSMISSION MODULE WITH I6, I-367 ENGINE (CONT.), P. 63

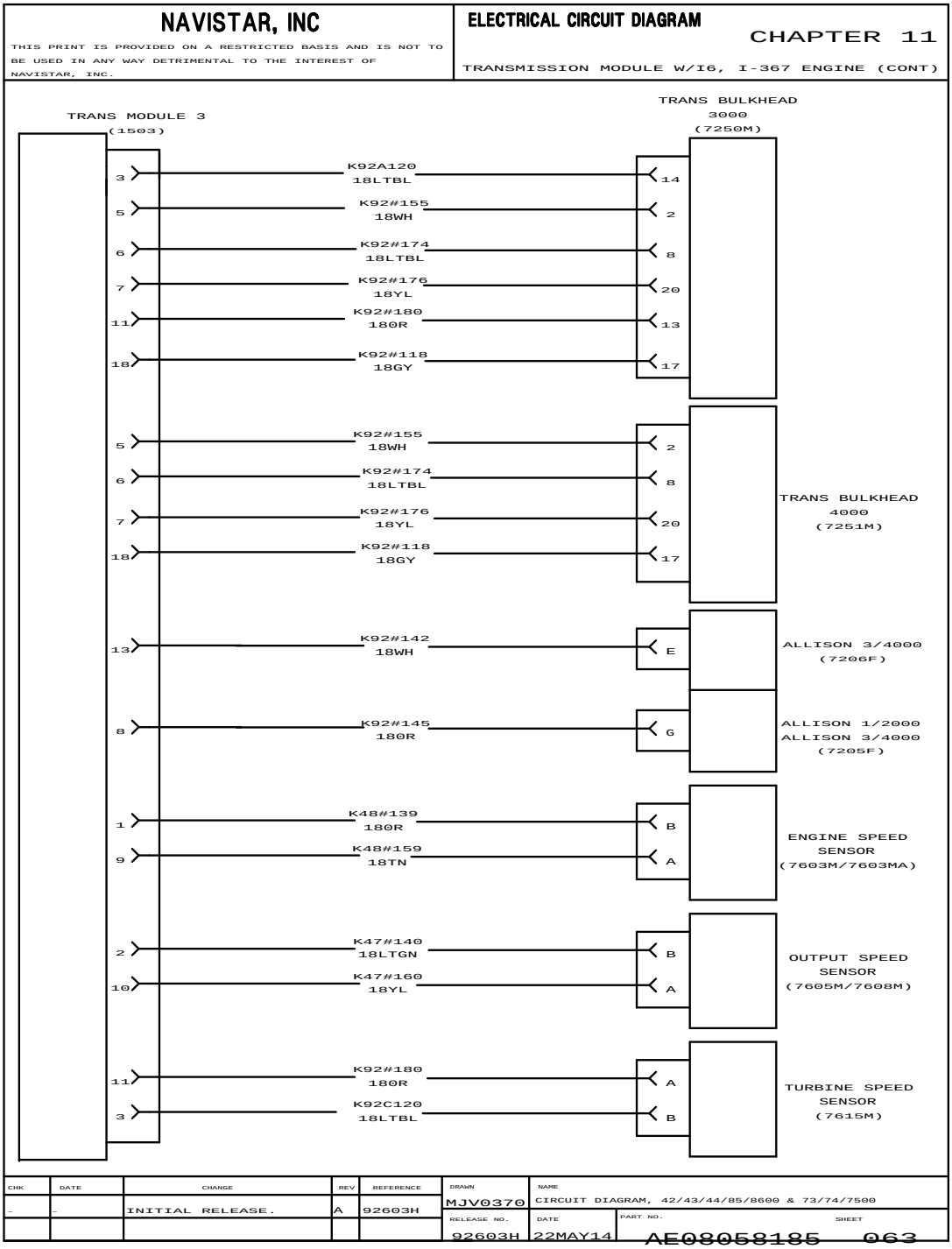

Figure 483 Transmission Module with I6, I-367 Engine (Cont.)

https://truckmanualshub.com/

11.69. TRANSMISSION MODULE WITH I6, I-367 ENGINE (CONT.), P. 64

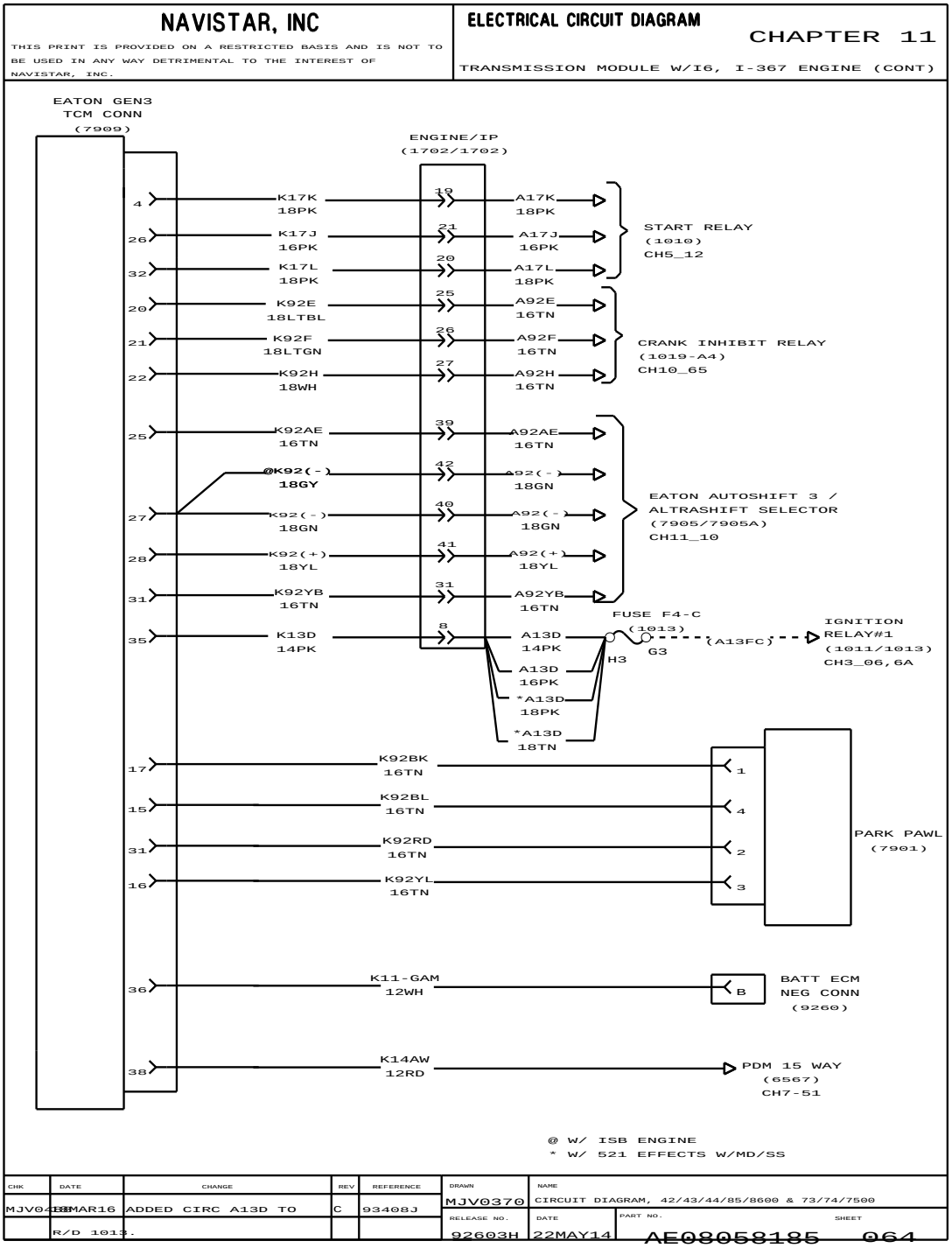

Figure 484 Transmission Module with I6, I-367 Engine (Cont.)

https://truckmanualshub.com/

11.70. TRANSMISSION MODULE WITH I6, I-367 ENGINE (CONT.), P. 65

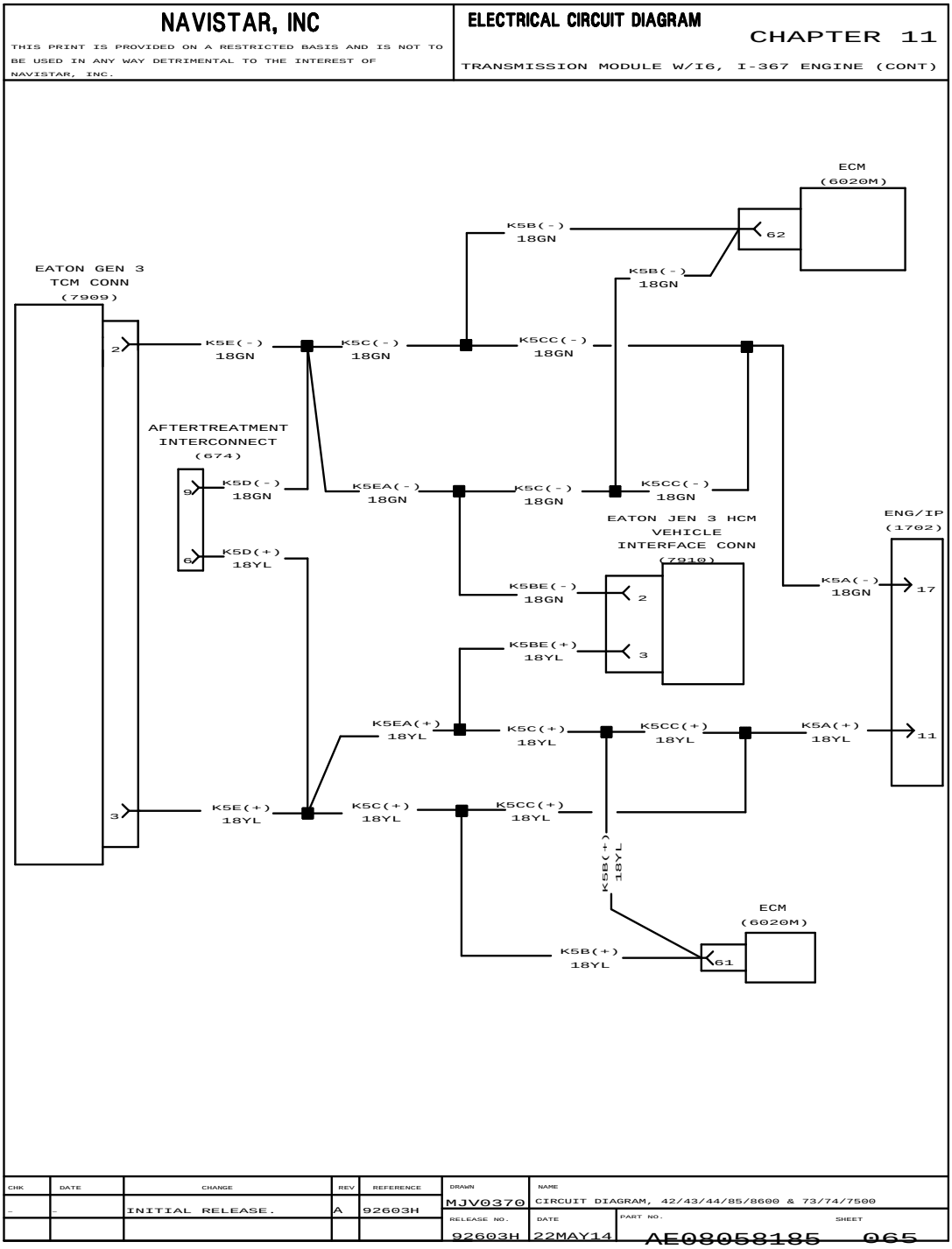

Figure 485 Transmission Module with I6, I-367 Engine (Cont.)

https://truckmanualshub.com/

11.71. TRANSMISSION MODULE WITH I6, I-367 ENGINE (CONT.), P. 66

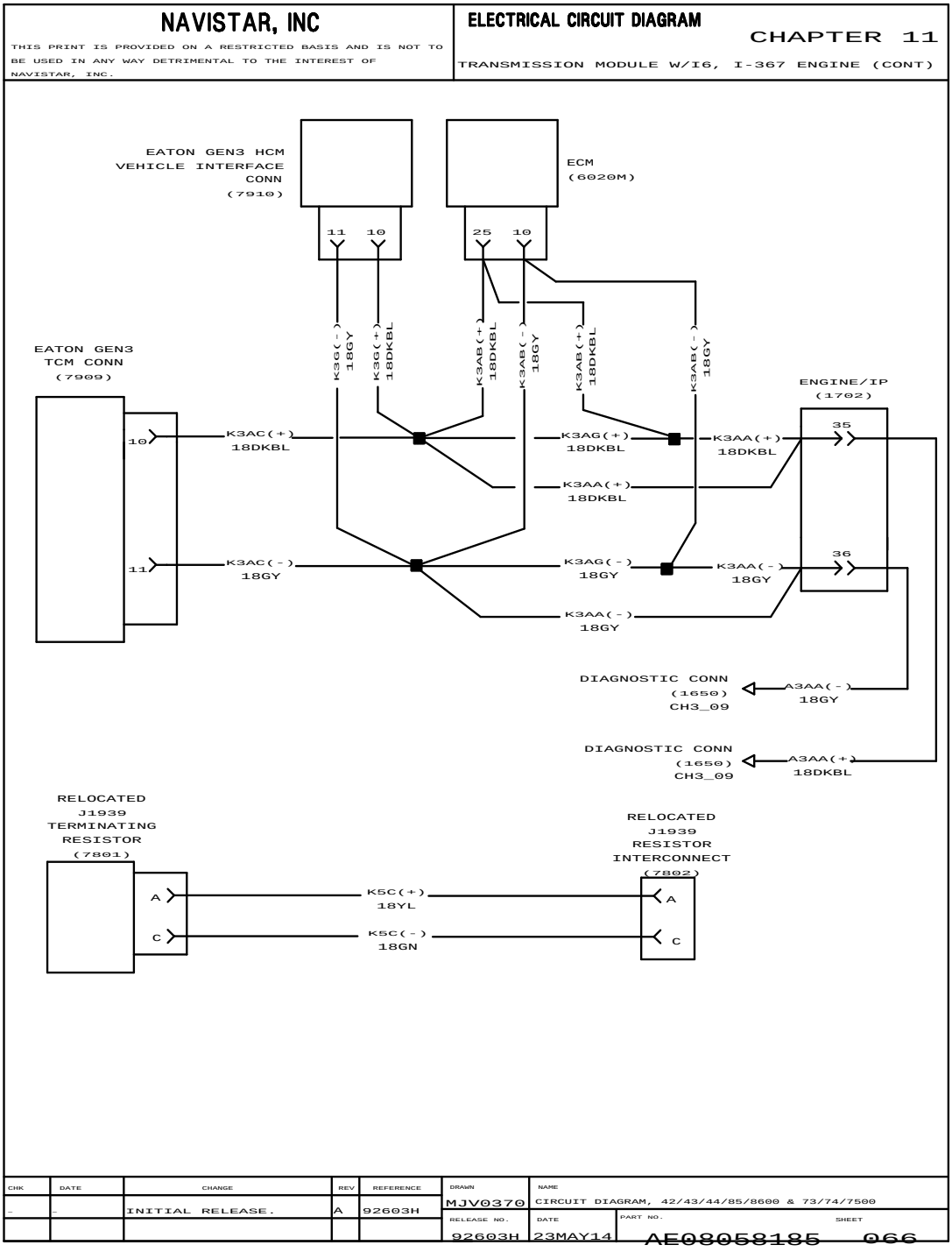

Figure 486 Transmission Module with I6, I-367 Engine (Cont.)

https://truckmanualshub.com/

11.72. INTENTIONALLY LEFT BLANK, P. 67

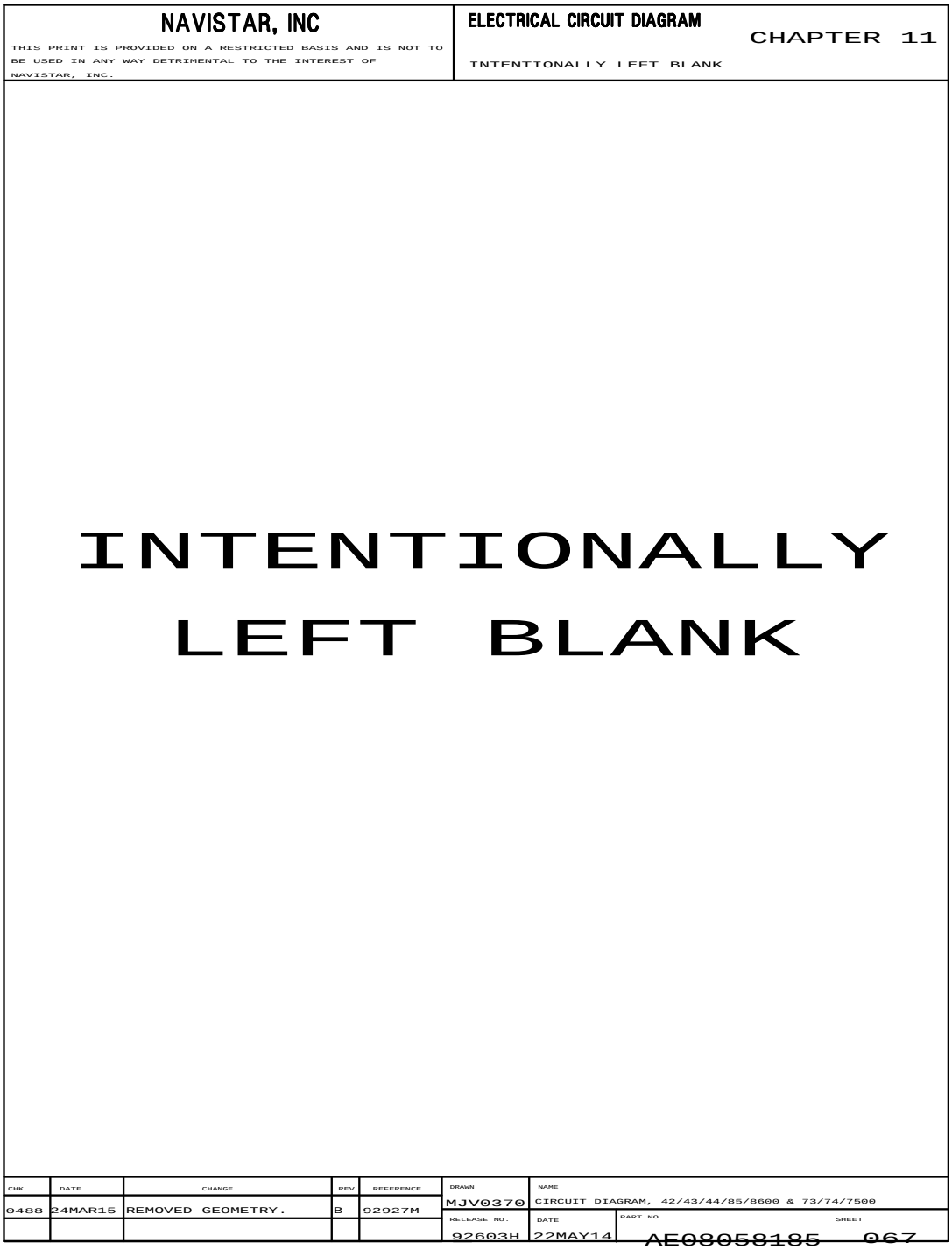

Figure 487 Intentionally Left Blank

https://truckmanualshub.com/

11.73. J1939 DATA LINK WIRING WITH I6, I-367 ENGINE, P. 68

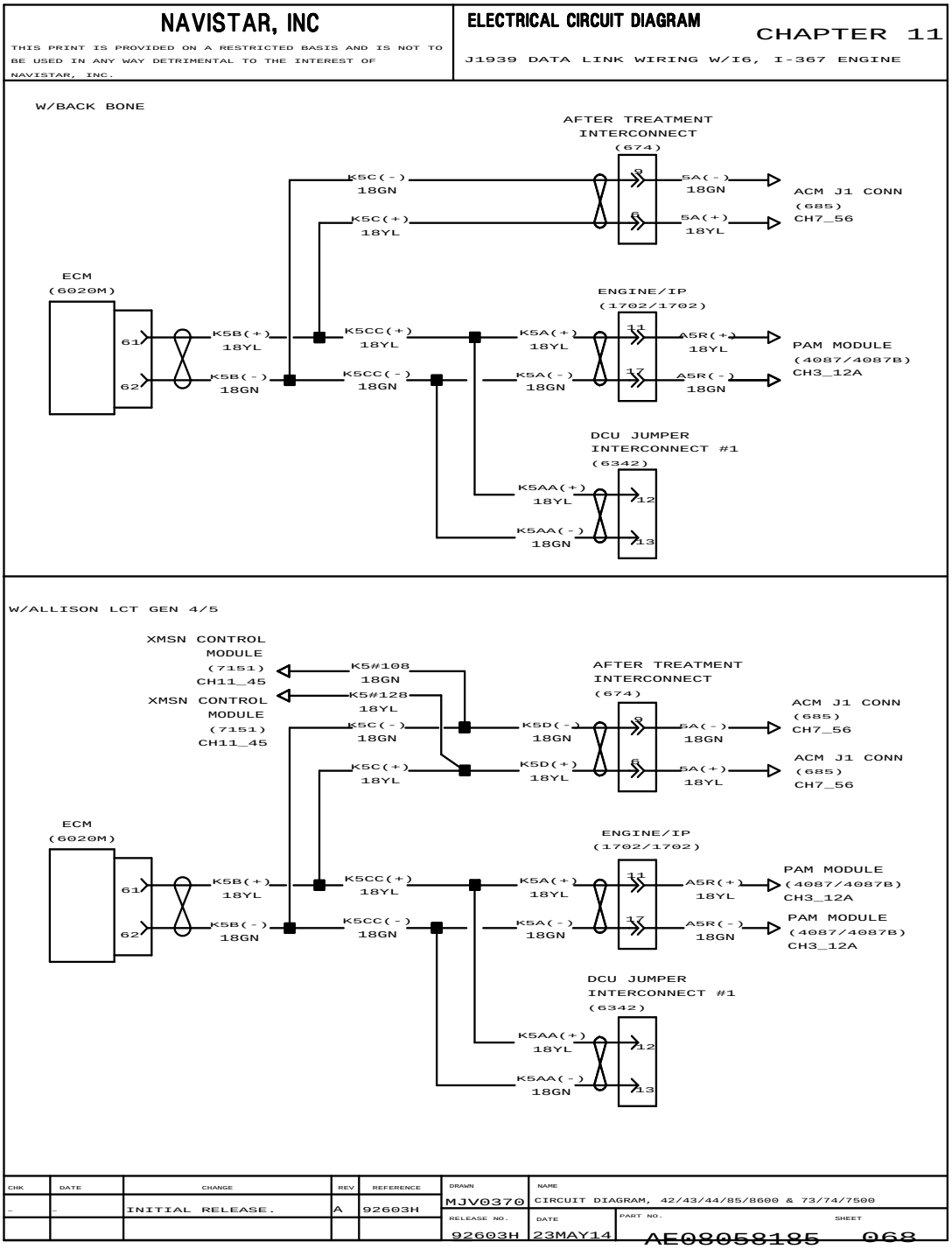

Figure 488 J1939 Data Link Wiring with I6, I-367 Engine

https://truckmanualshub.com/

11.74. EATON GEN 3 HCM VEHICLE INTERFACE CONNECTION WITH I6, I-367 ENGINE, P. 69

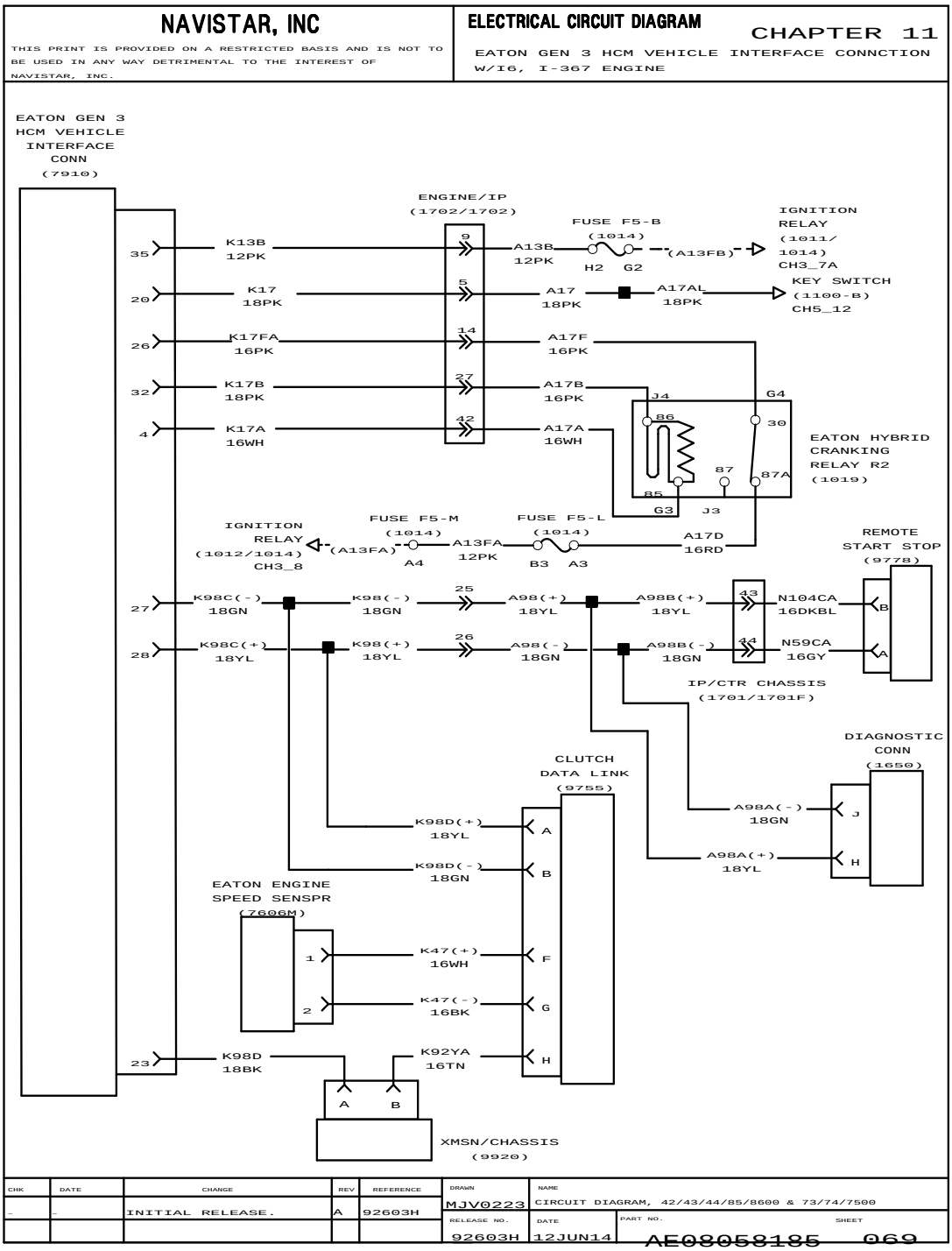

Figure 489 Eaton Gen 3 HCM Vehicle Interface Connection with I6, I-367 Engine

https://truckmanualshub.com/

11.75. ALLISON TRANSMISSION (2013 CUMMINS ISB), P. 70

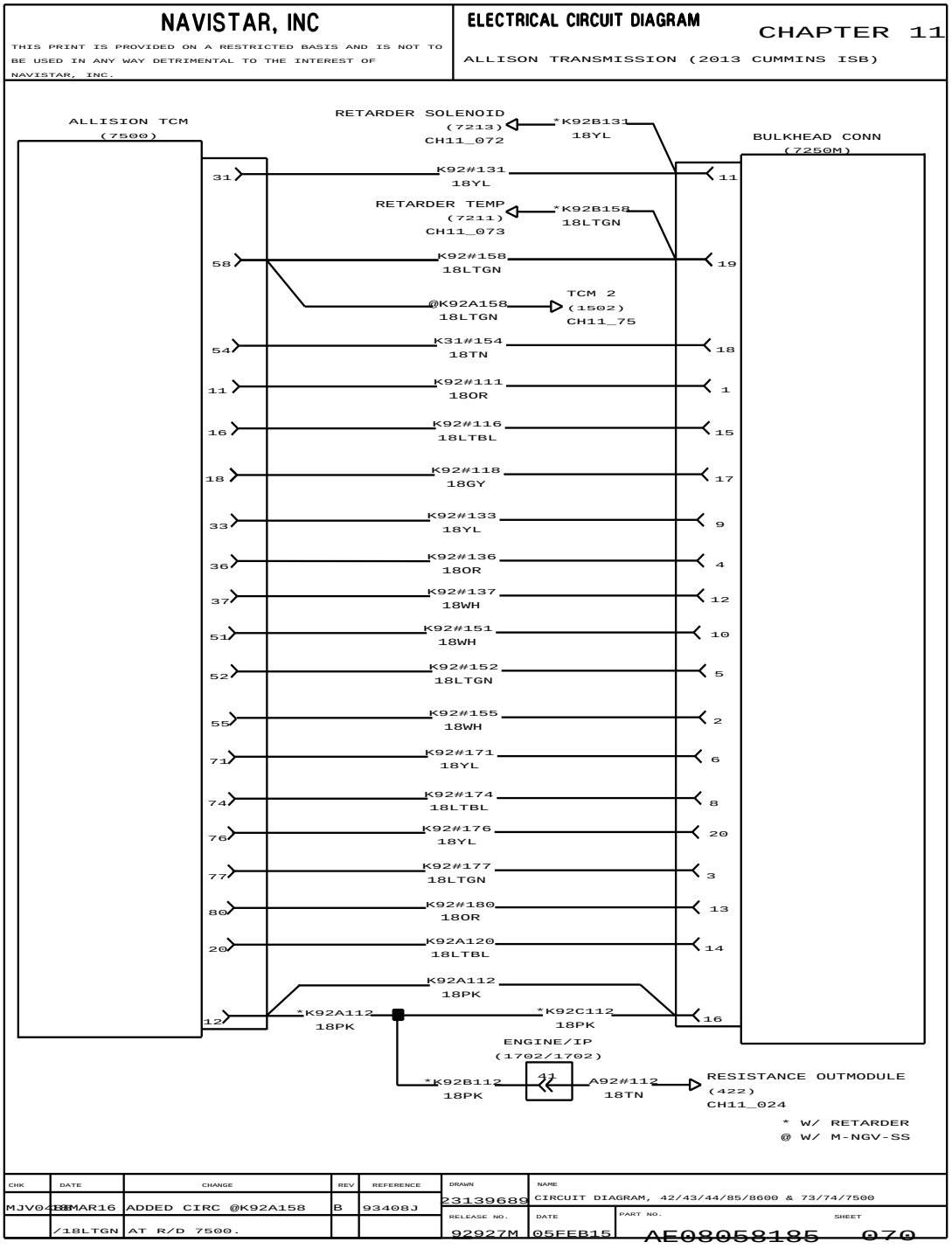

Figure 490 Allison Transmission (2013 Cummins ISB)

https://truckmanualshub.com/

11.76. ALLISON TRANSMISSION (2013 CUMMINS ISB) WITH BODY BUILDER CONNECTOR, P. 71

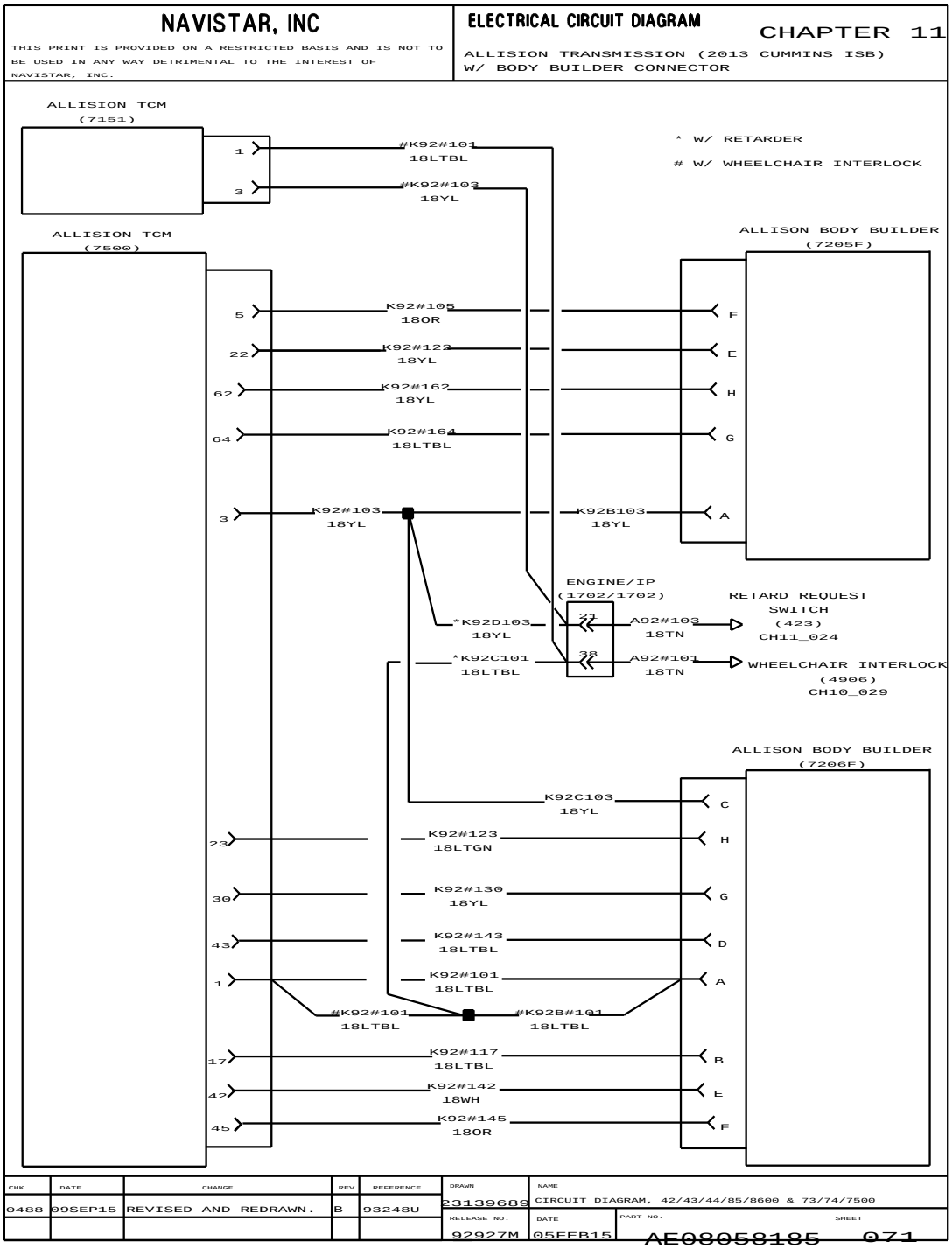

Figure 491 Allison Transmission (2013 Cummins ISB) with Body Builder Connector

https://truckmanualshub.com/

11.77. ALLISON TRANSMISSION (2013 CUMMINS ISB MD) (CONT.), P. 72

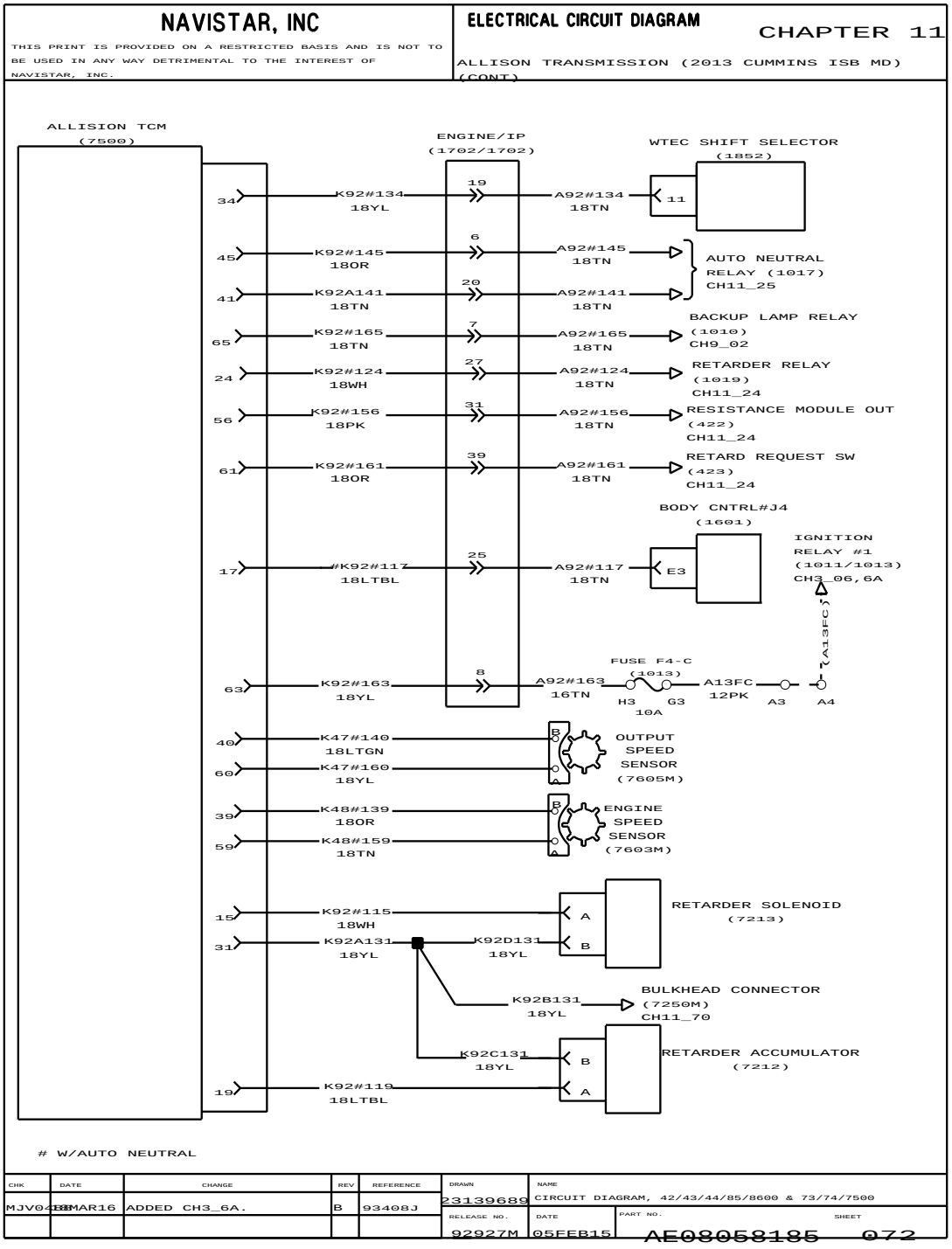

Figure 492 Allison Transmission (2013 Cummins ISB MD) (Cont.),

https://truckmanualshub.com/

11.78. ALLISON TRANSMISSION (2013 CUMMINS ISB MD) (CONT.), P. 73

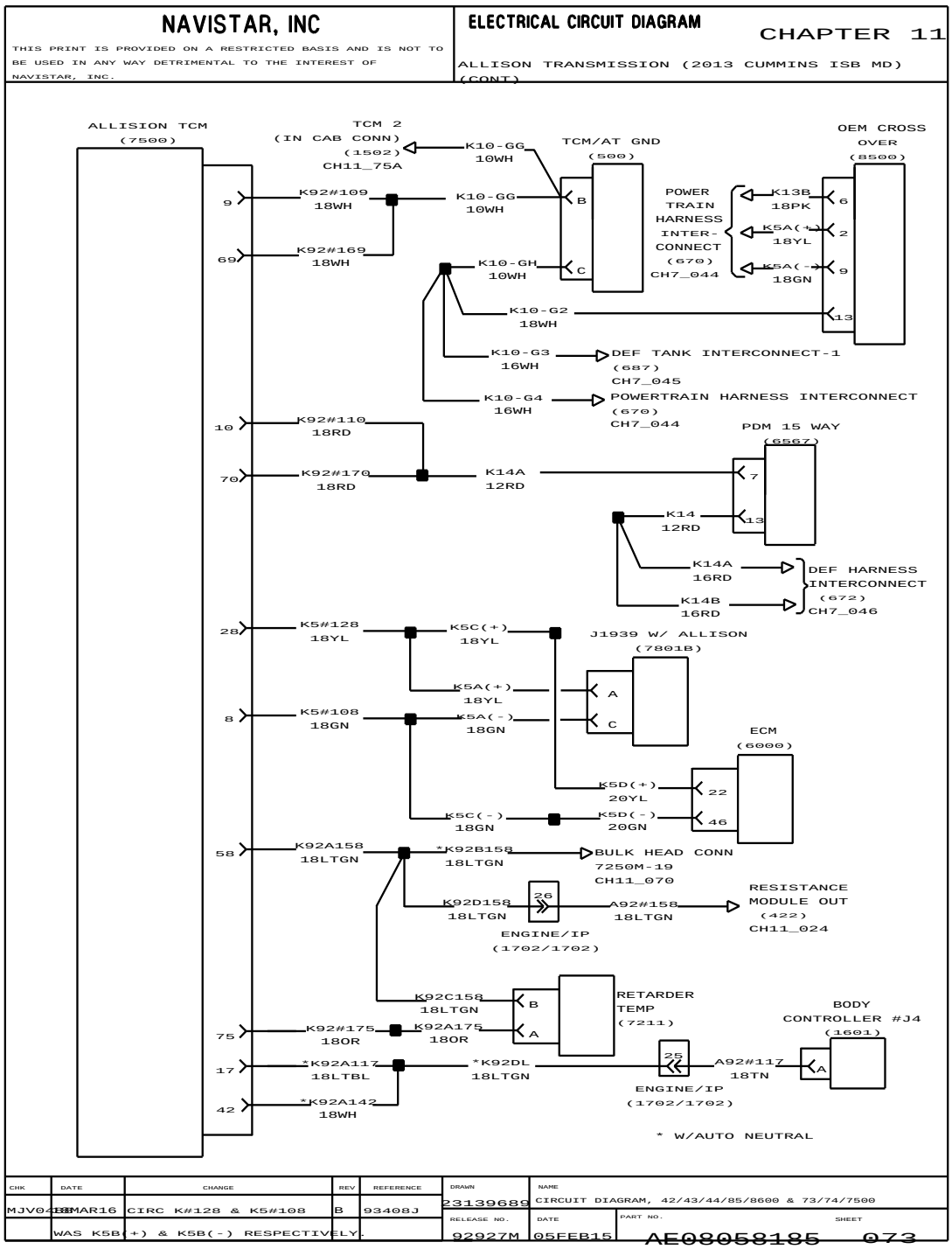

Figure 493 Allison Transmission (2013 Cummins ISB MD) (Cont.)

https://truckmanualshub.com/

11.79. ALLISON TRANSMISSION WITH GEN5 IN CAB WITH ISB ENGINE, P. 74

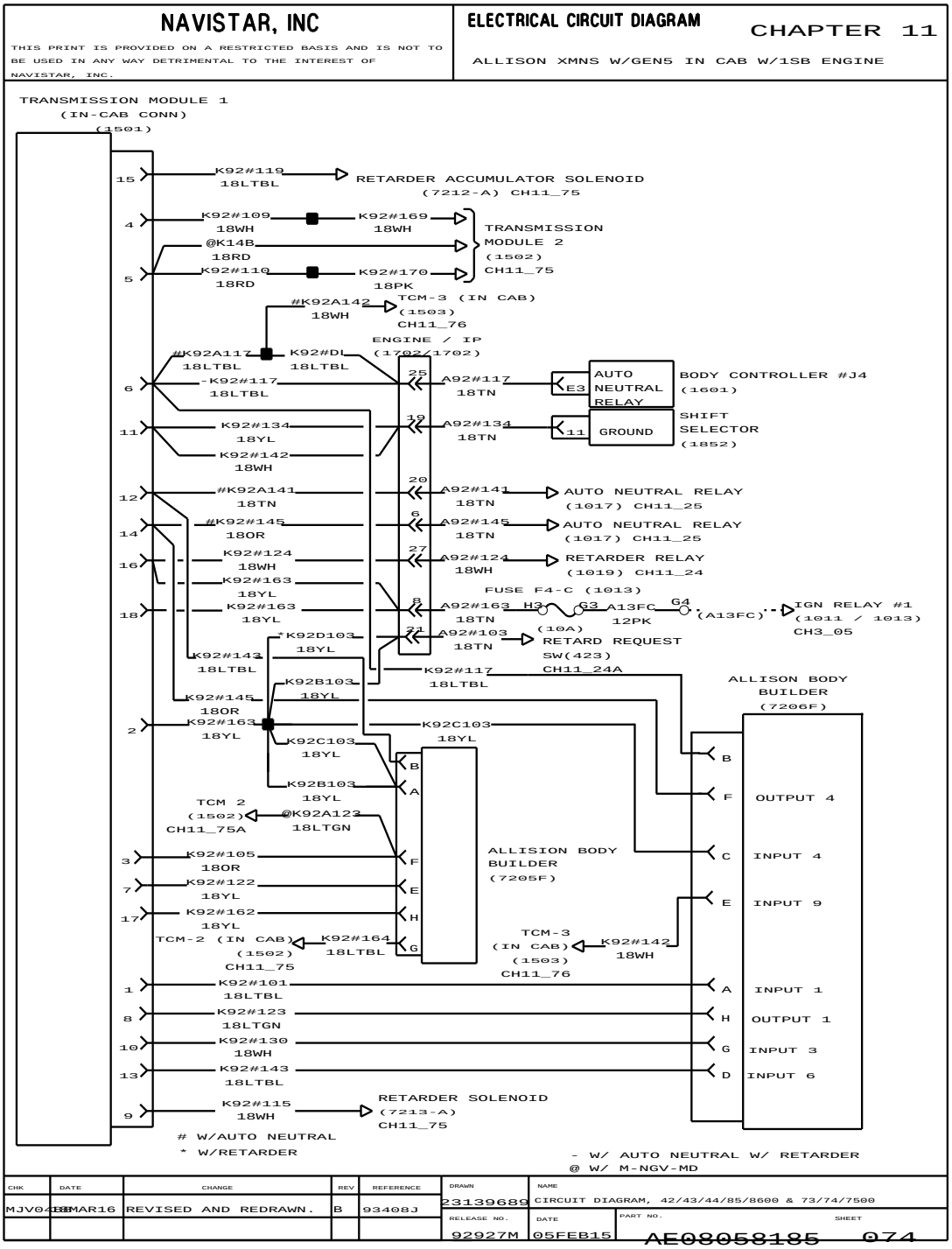

Figure 494 Allison Transmission with GEN5 in Cab with ISB Engine

https://truckmanualshub.com/

11.80. ALLISON TRANSMISSION WITH GEN5 WITH CUMMINS ISB ENGINEWITH M NGV MD, P. 74A

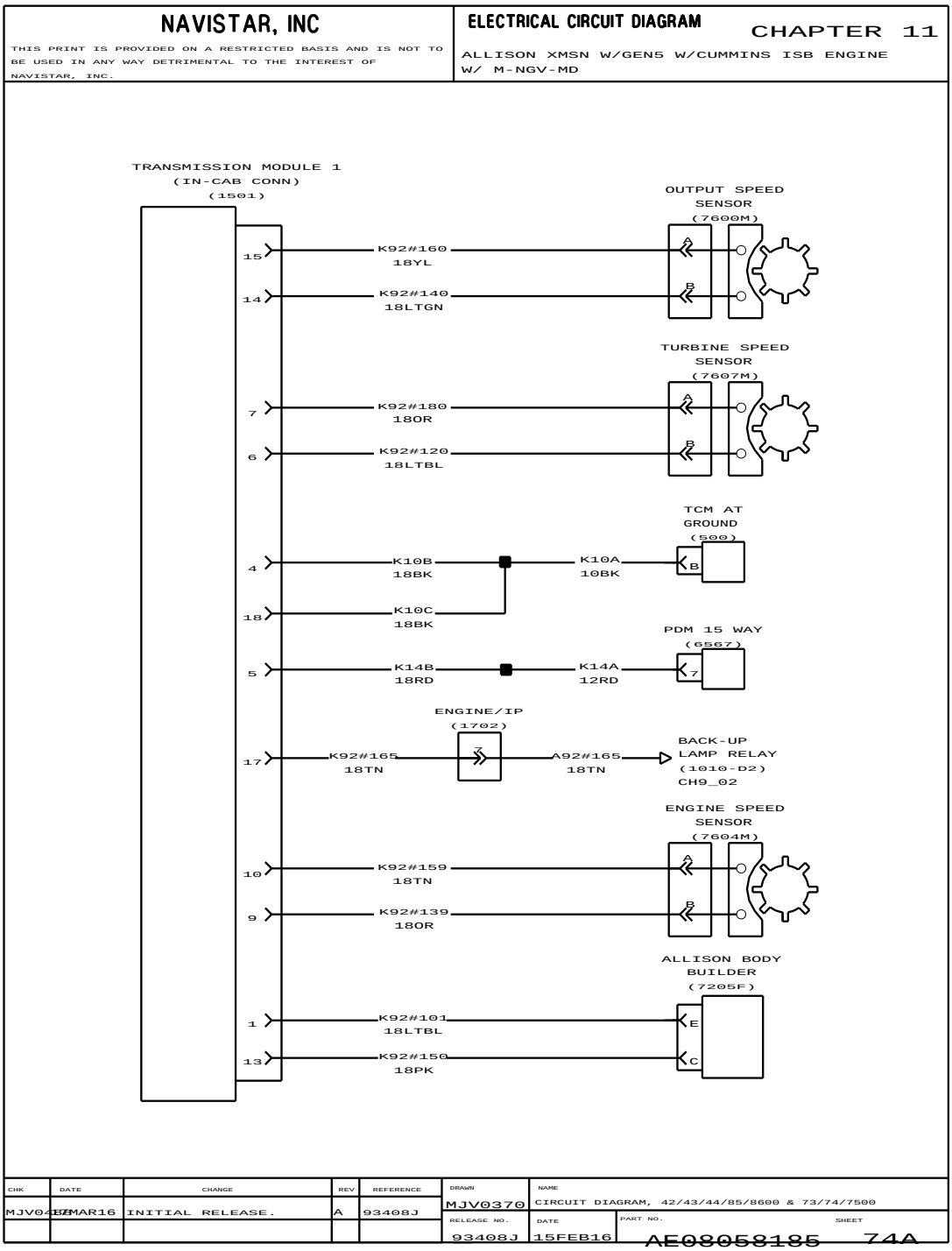

Figure 495 Allison Transmission with GEN5 in Cab with ISB Engine

https://truckmanualshub.com/

11.81. ALLISON TRANSMISSION WITH GEN5 IN CAB WITH ISB ENGINE (CONT.), P. 75

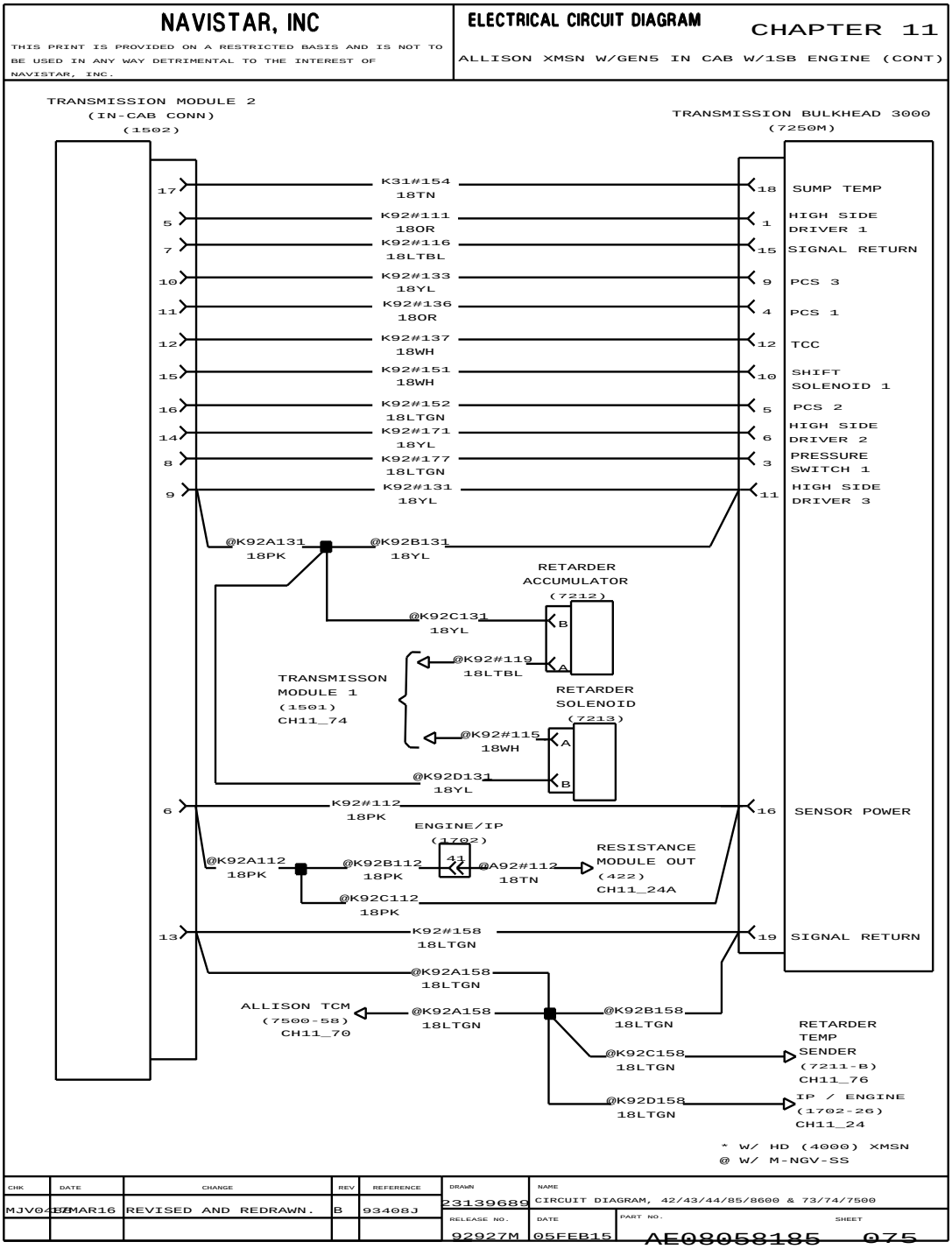

Figure 496 Allison Transmission with GEN5 in Cab with ISB Engine (Cont.)

https://truckmanualshub.com/

11.82. ALLISON TRANSMISSION WITH GEN5 IN CAB WITH ISB ENGINE (CONT.), P. 75A

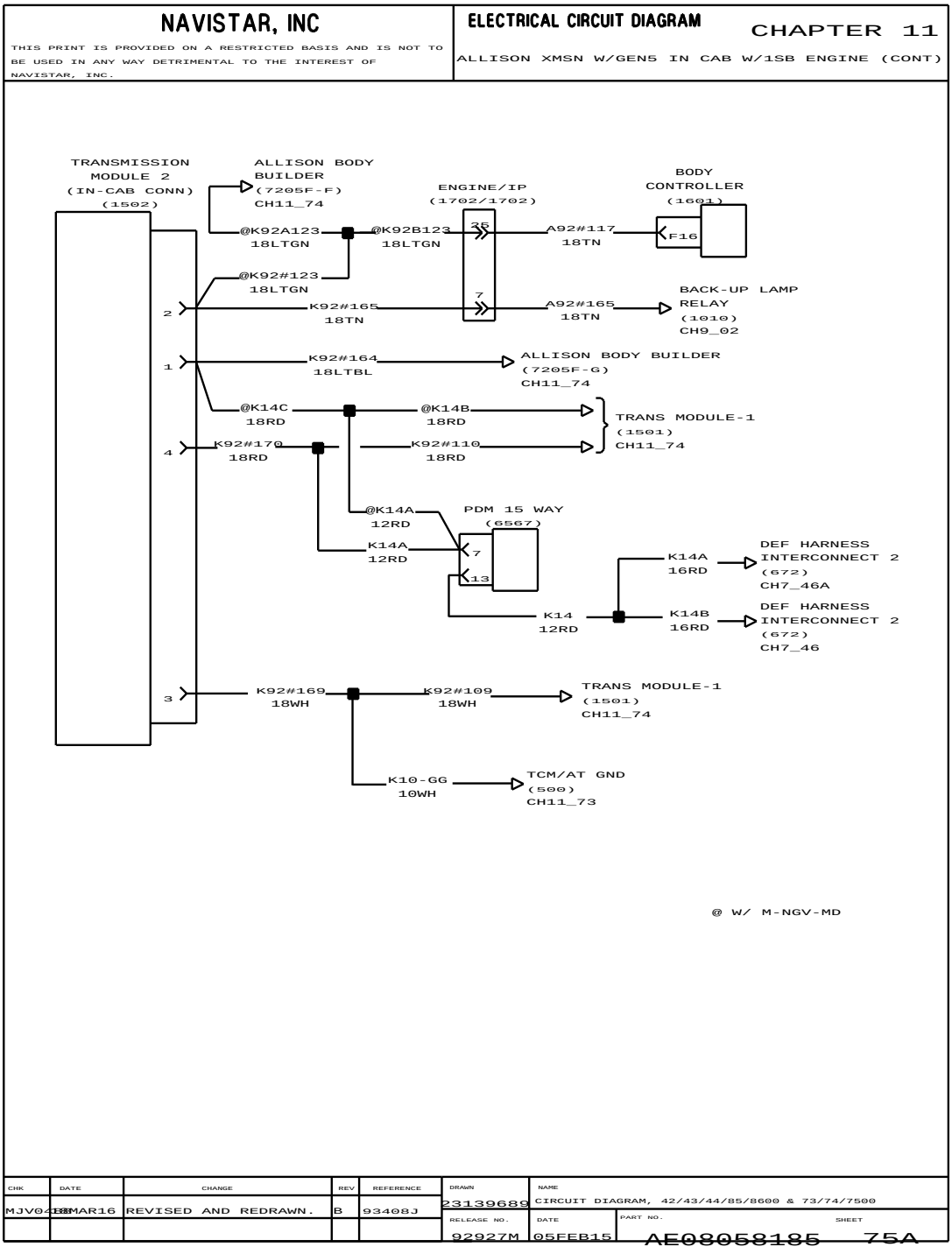

Figure 497 Allison Transmission with GEN5 in Cab with ISB Engine (Cont.)

https://truckmanualshub.com/

11.83. ALLISON TRANSMISSION WITH GEN5 WITH CUMMINS ISB ENGINE WITH M NGV MD, P. 75B

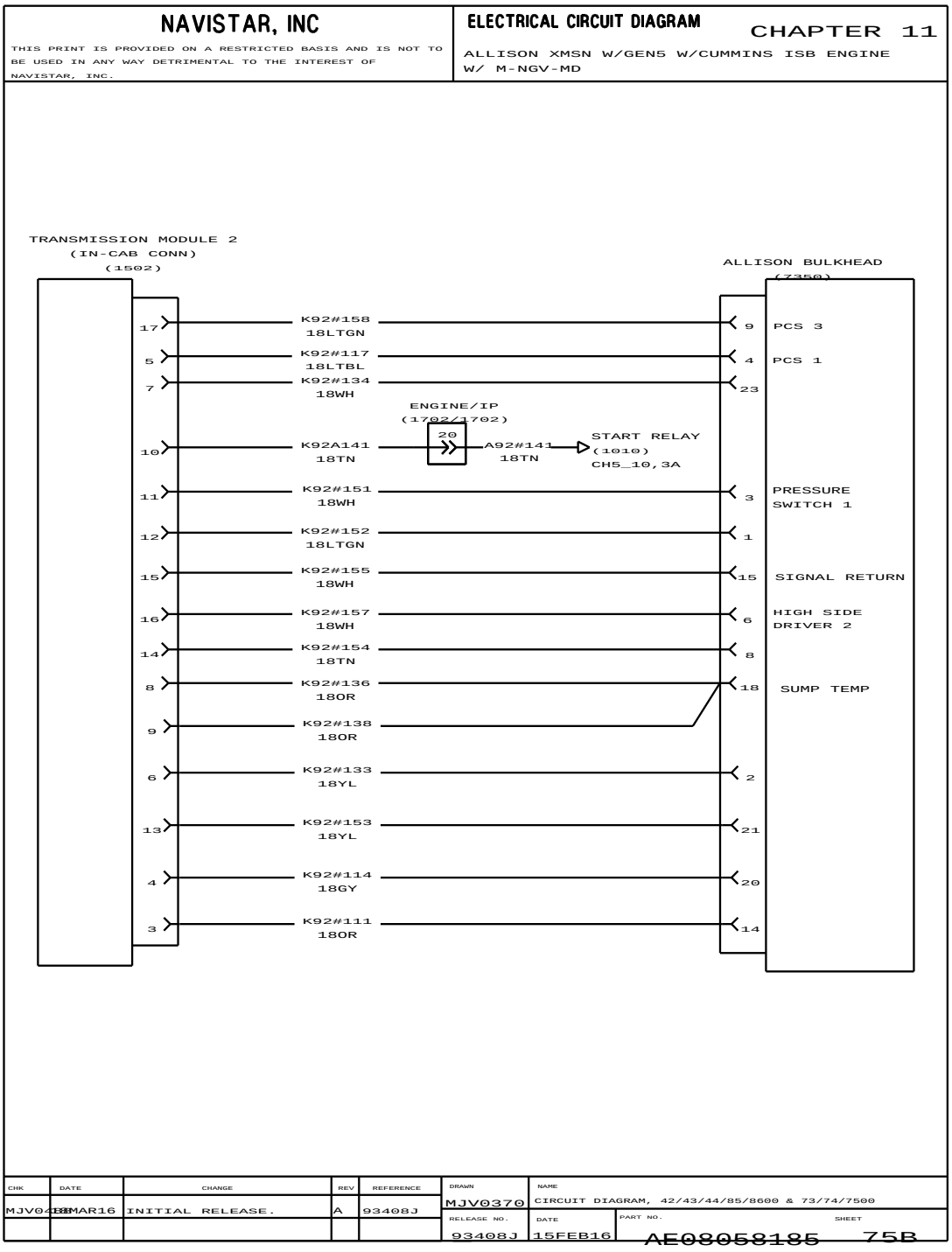

Figure 498 Allison Transmission with Cummins ISB Engine with M NGV MD

https://truckmanualshub.com/

11.84. ALLISON TRANSMISSION WITH GEN5 IN CAB WITH ISB ENGINE (CONT.), P. 76

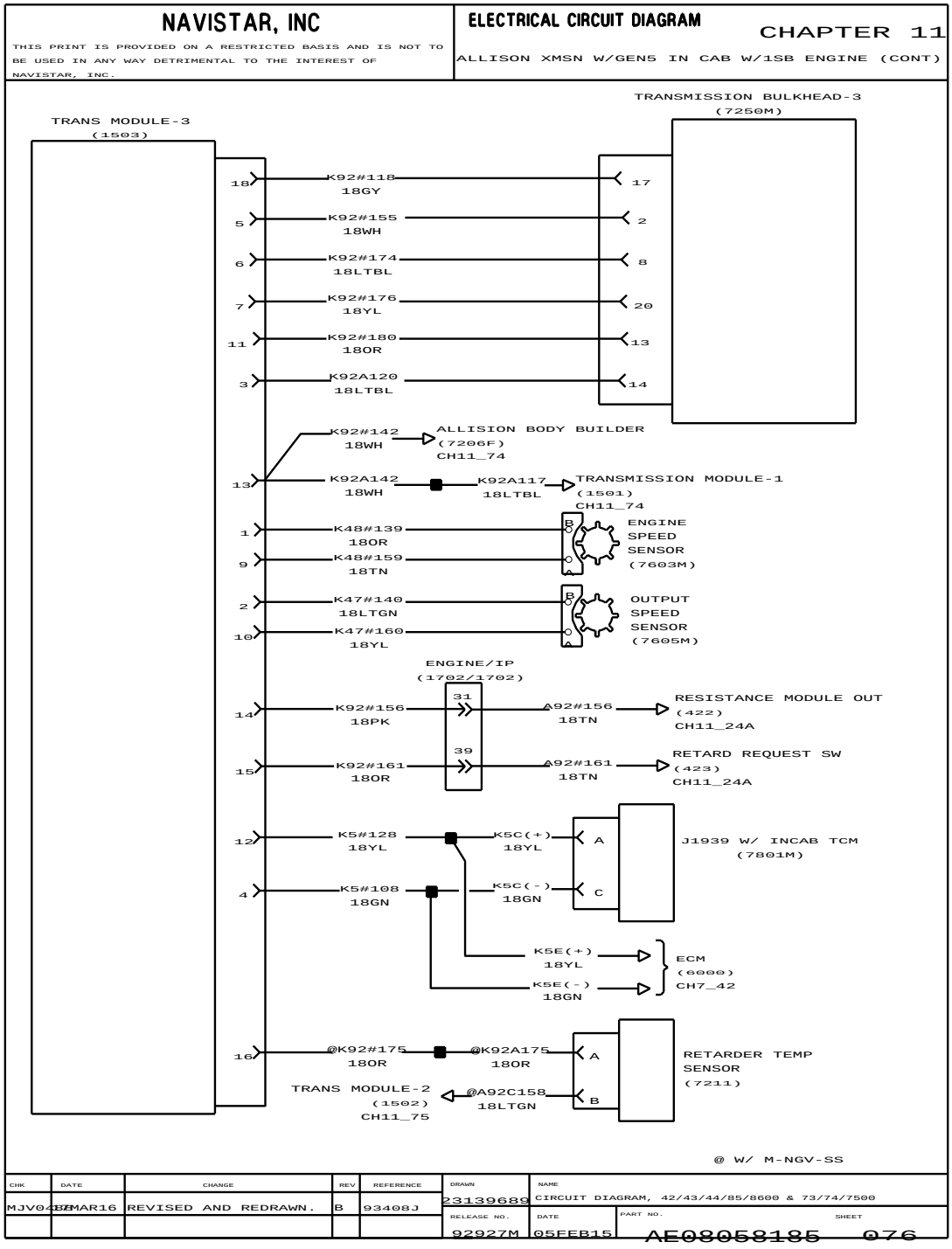

Figure 499 Allison Transmission with GEN5 in Cab with ISB Engine (Cont.)

https://truckmanualshub.com/

11.85. ALLISON TRANSMISSION WITH GEN5 WITH CUMMINS ISB ENGINE WITH M NGV MD, P. 76A

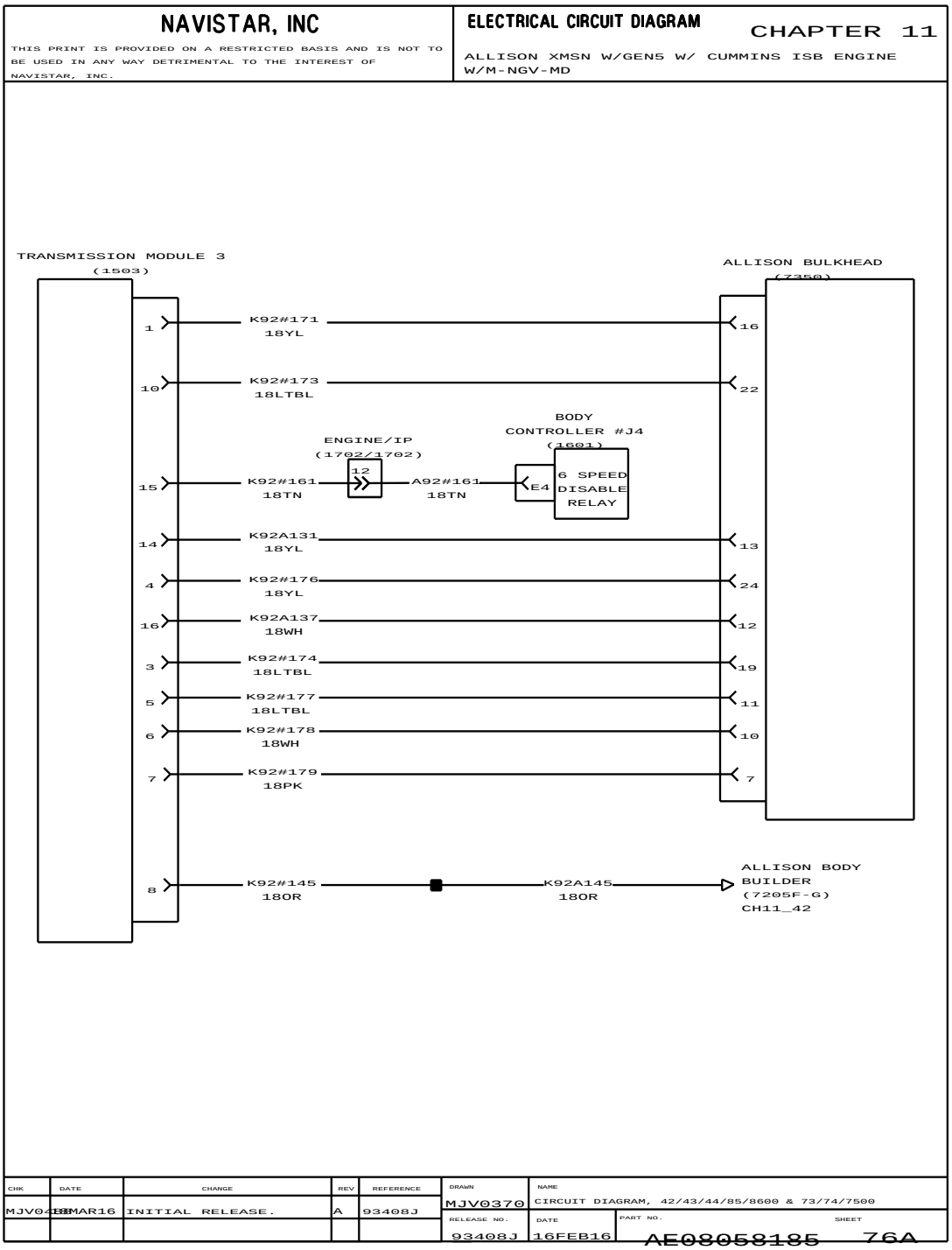

Figure 500 Allison Transmission with Cummins ISB Engine with M NGV MD

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11.86. ULTRASHIFT TRANSMISSION WITH ISB ENGINE, P. 77

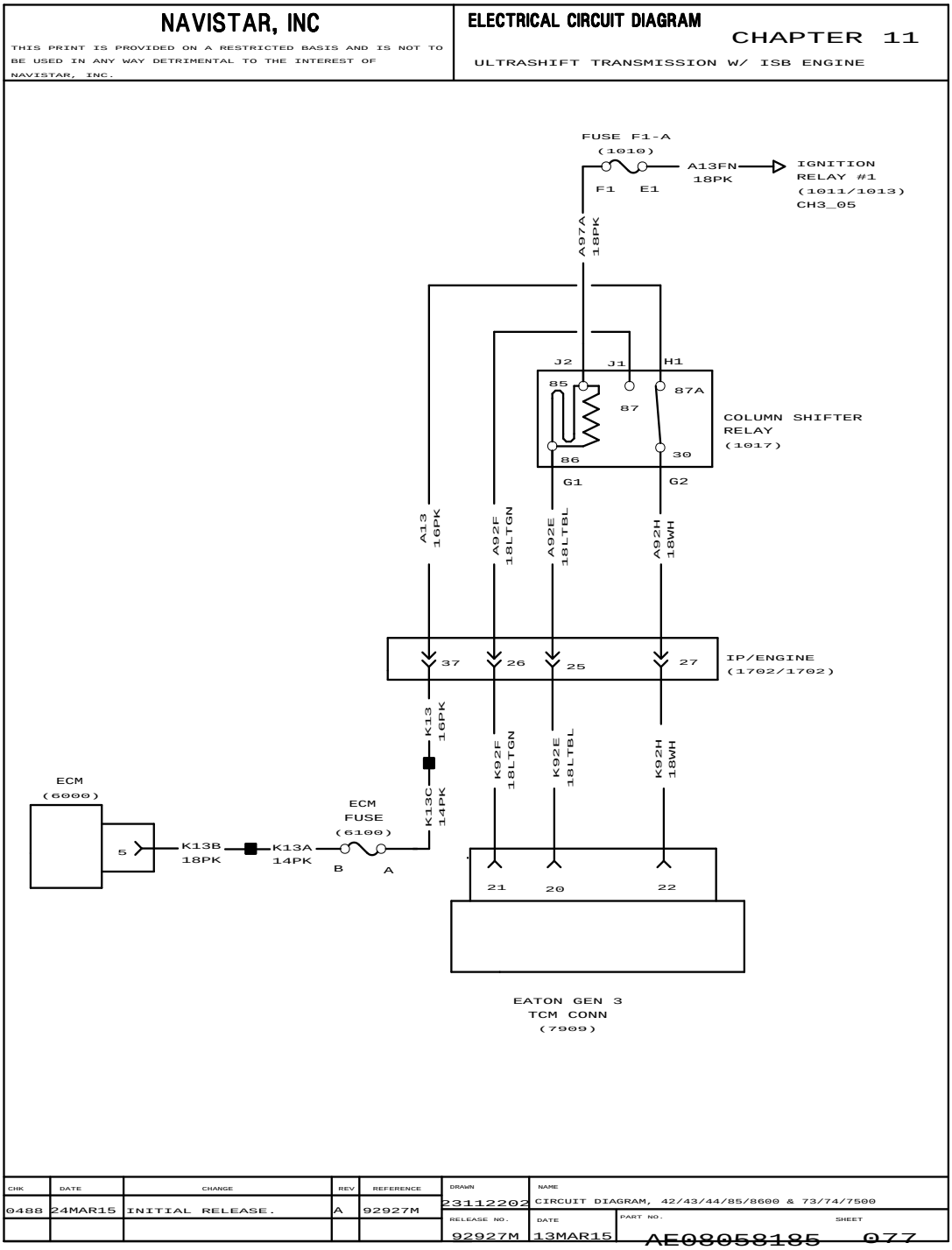

Figure 501 Ultrashift Transmission with ISB Engine

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11.87. J1939 250K / 500K EATON PROCISION TRANSMISSION, P. 78

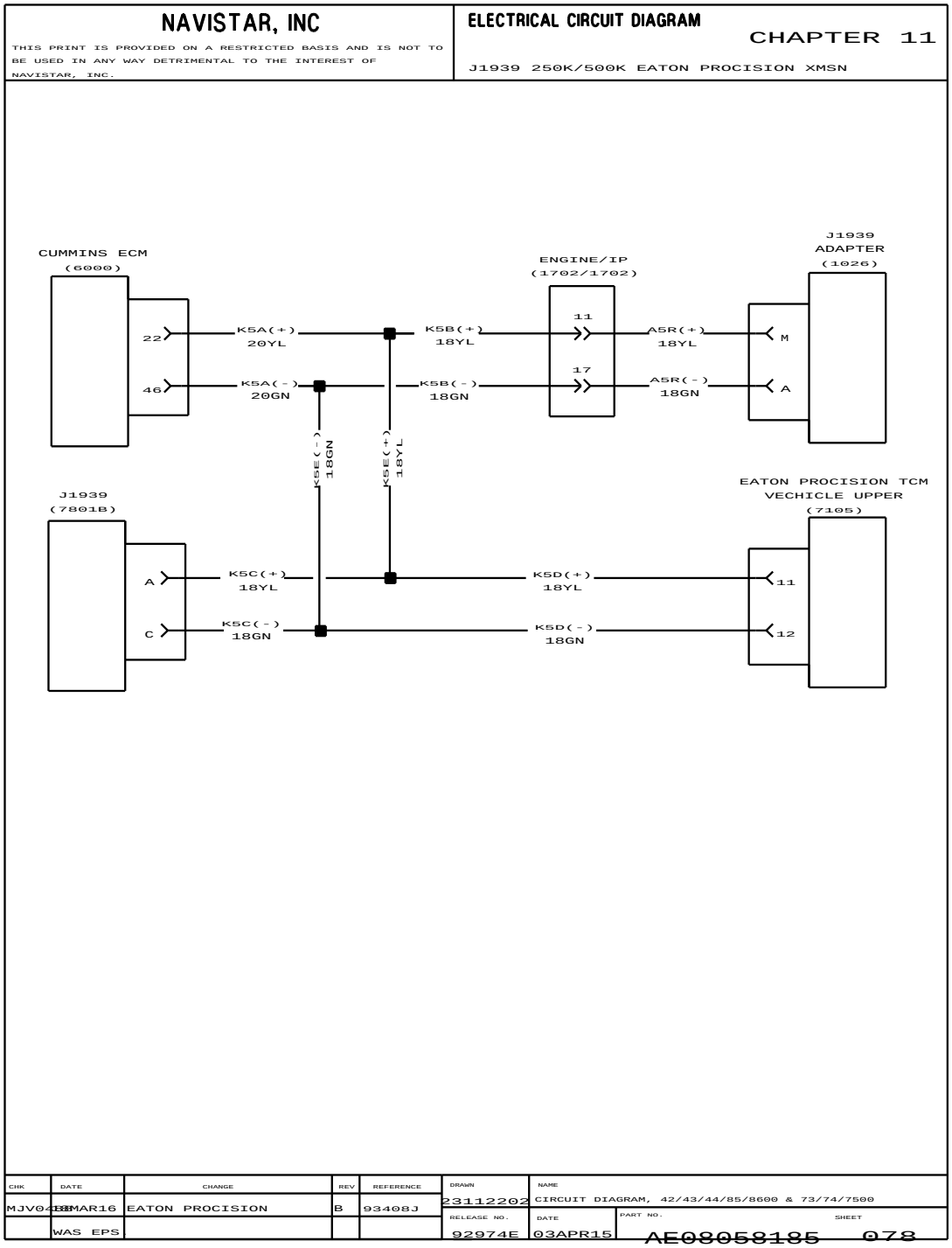

Figure 502 J1939 250K / 500K Eaton Procision Transmission

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11.88. EATON PROCISION TRANSMISSION WITH PUSH BUTTON, WITH T-HANDLE WITH ISB ENGINE, P. 79

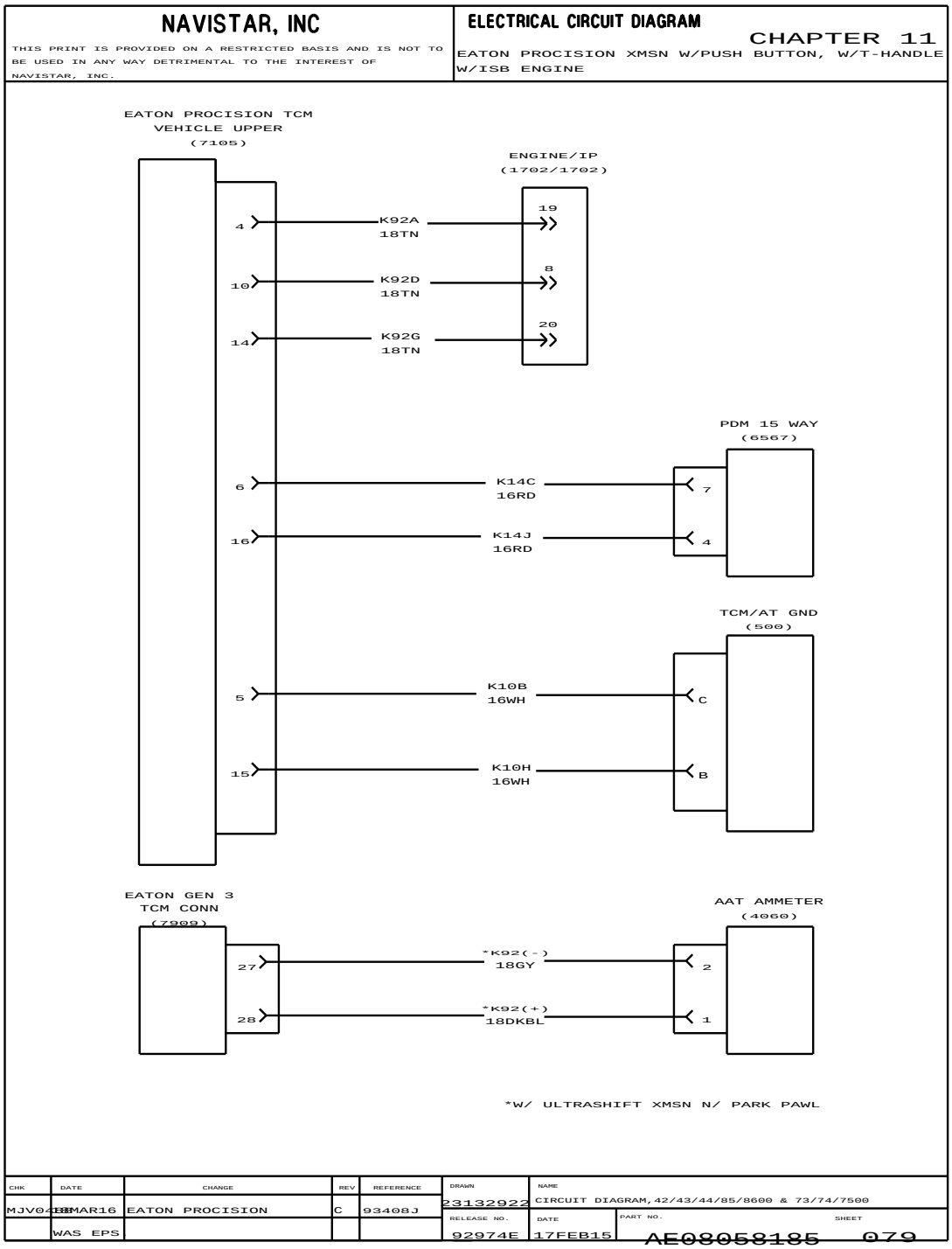

Figure 503 Eaton Procision Transmission with Push Button, with T-Handle with ISB Engine

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11.89. EATON PROCISION TRANSMISSION WITH PUSH BUTTON, WITH T-HANDLE WITH ISB ENGINE (CONT.), P. 80

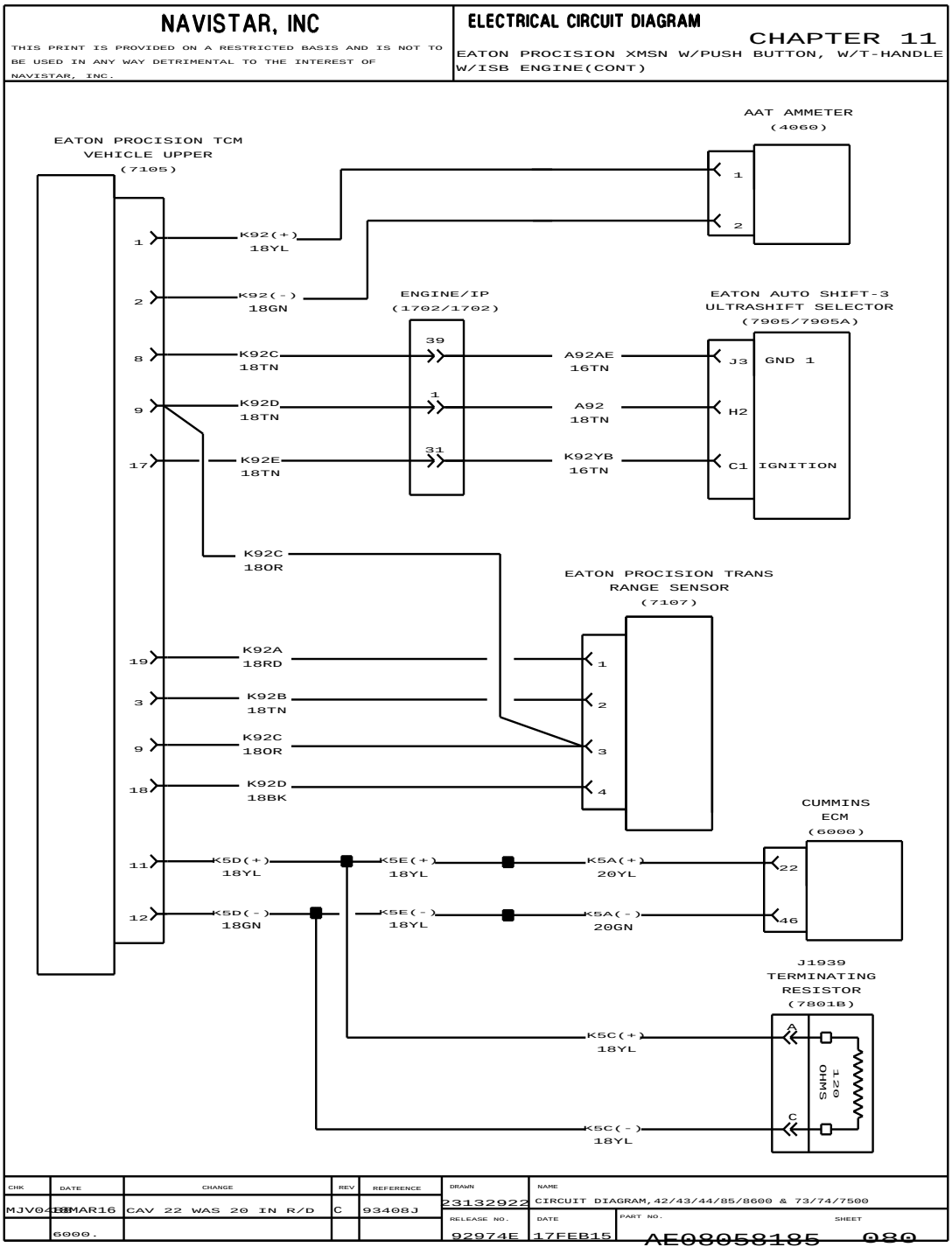

Figure 504 Eaton Procision Transmission with Push Button, with T-Handle with ISB Engine (Cont.)

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11.90. EATON PROCISION TRANSMISSION WITH PUSH BUTTON, WITH T-HANDLE WITH ISB ENGINE (CONT.), P. 81

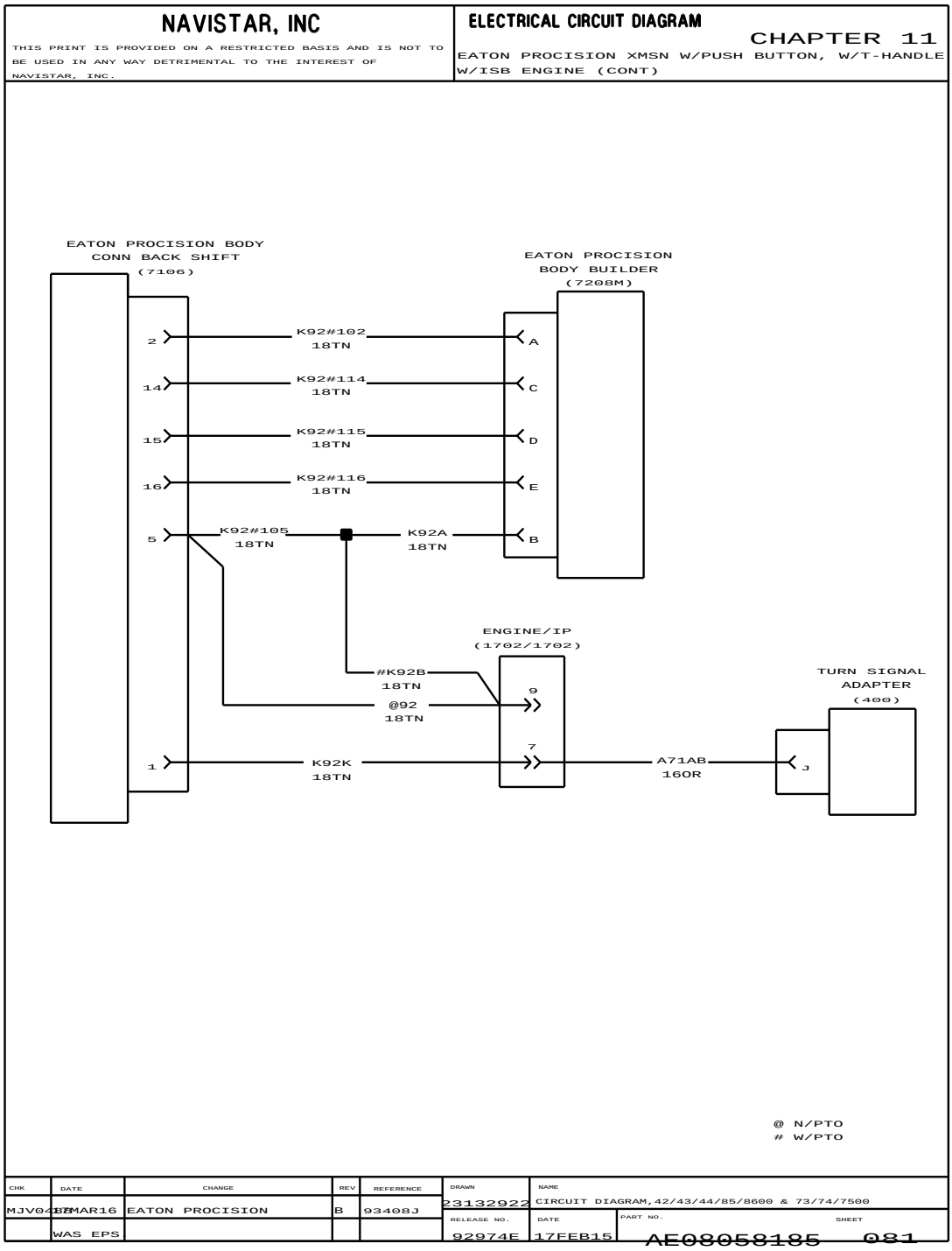

Figure 505 Eaton Procision Transmission with Push Button, with T-Handle with ISB Engine (Cont.)

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11.91. TRANSMISSION CONTROL MODULE, P. 82

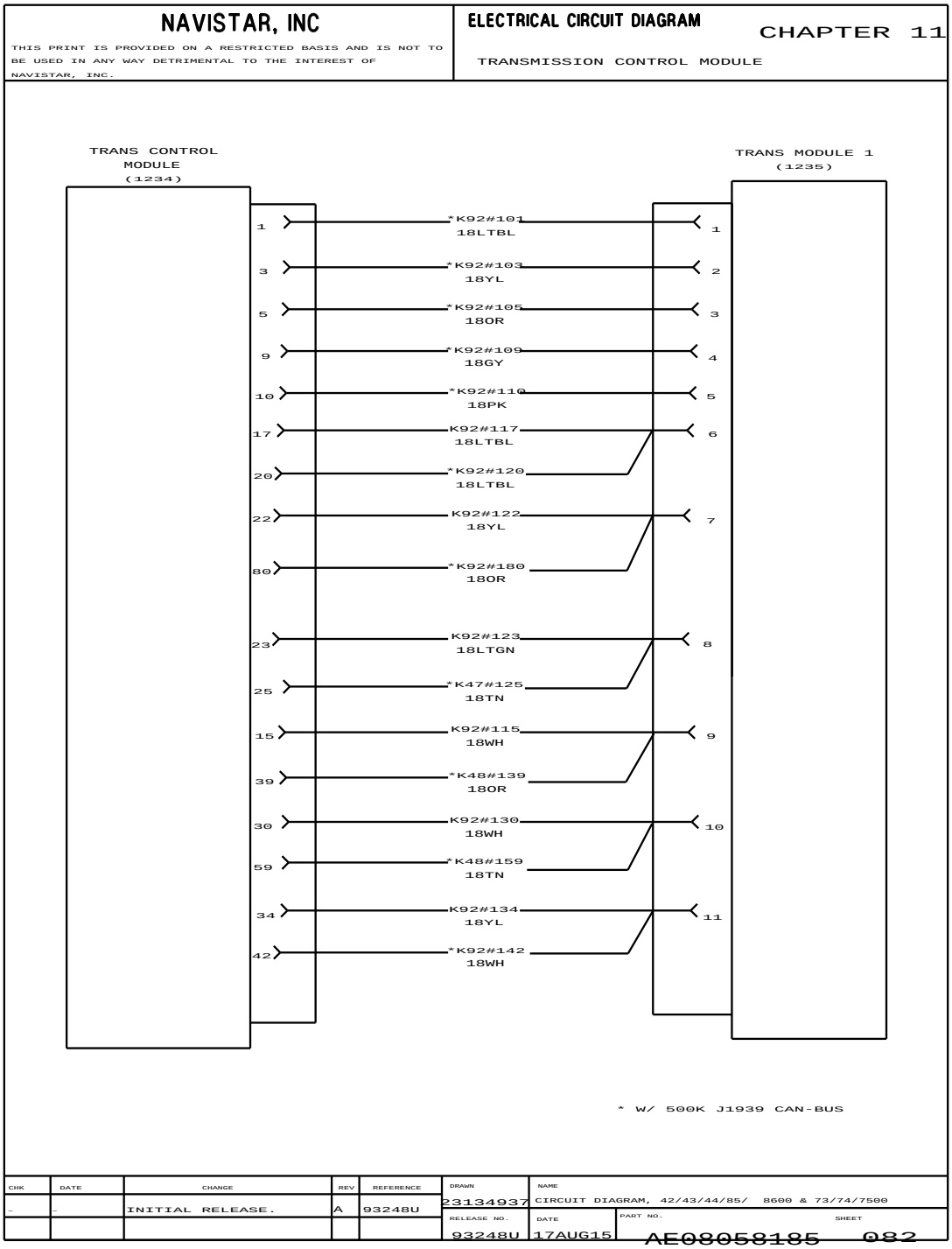

Figure 506 Transmission Control Module

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11.92. TRANSMISSION CONTROL MODULE (CONT.), P. 83

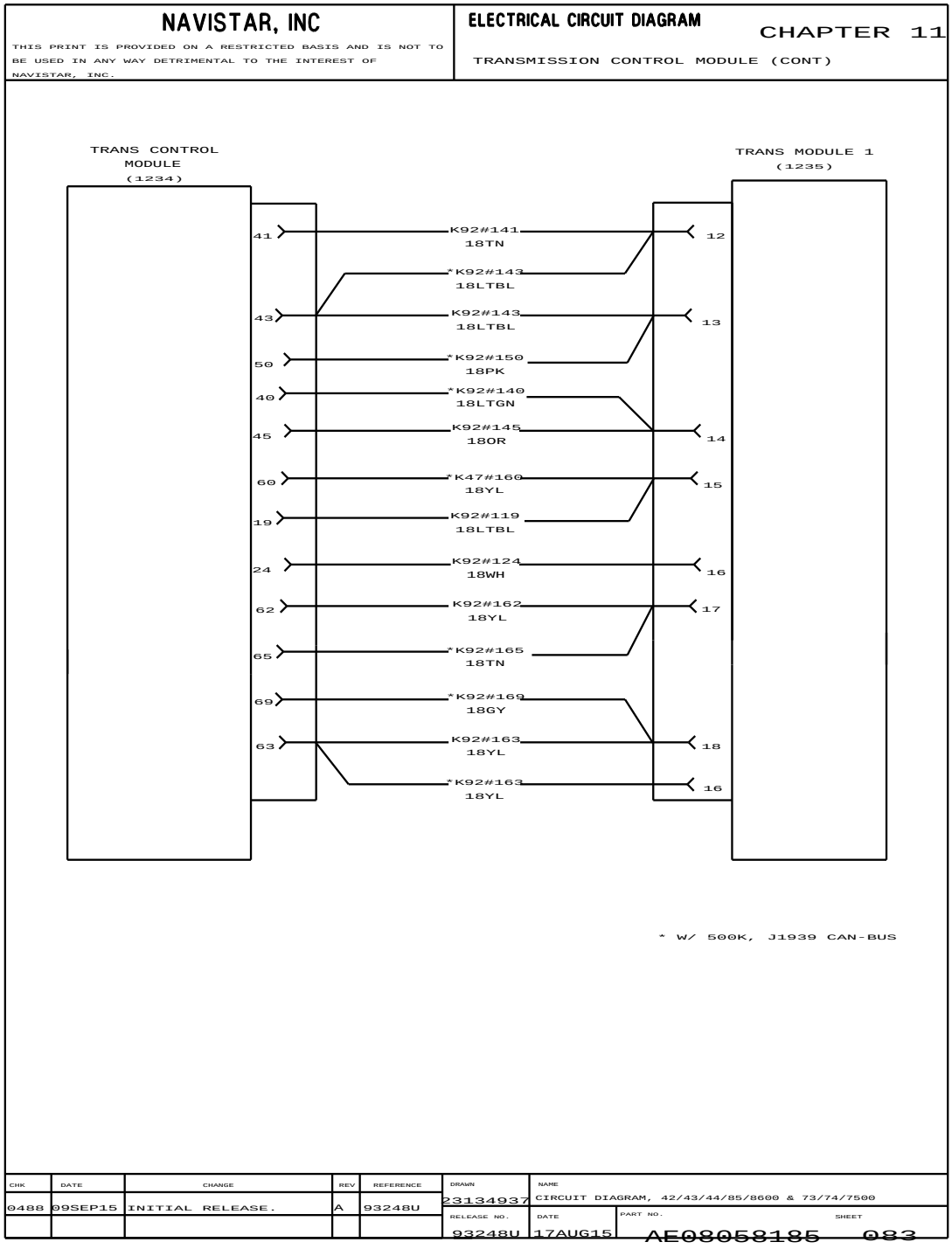

Figure 507 Transmission Control Module (Cont.)

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11.93. TRANSMISSION CONTROL MODULE (CONT.), P. 84

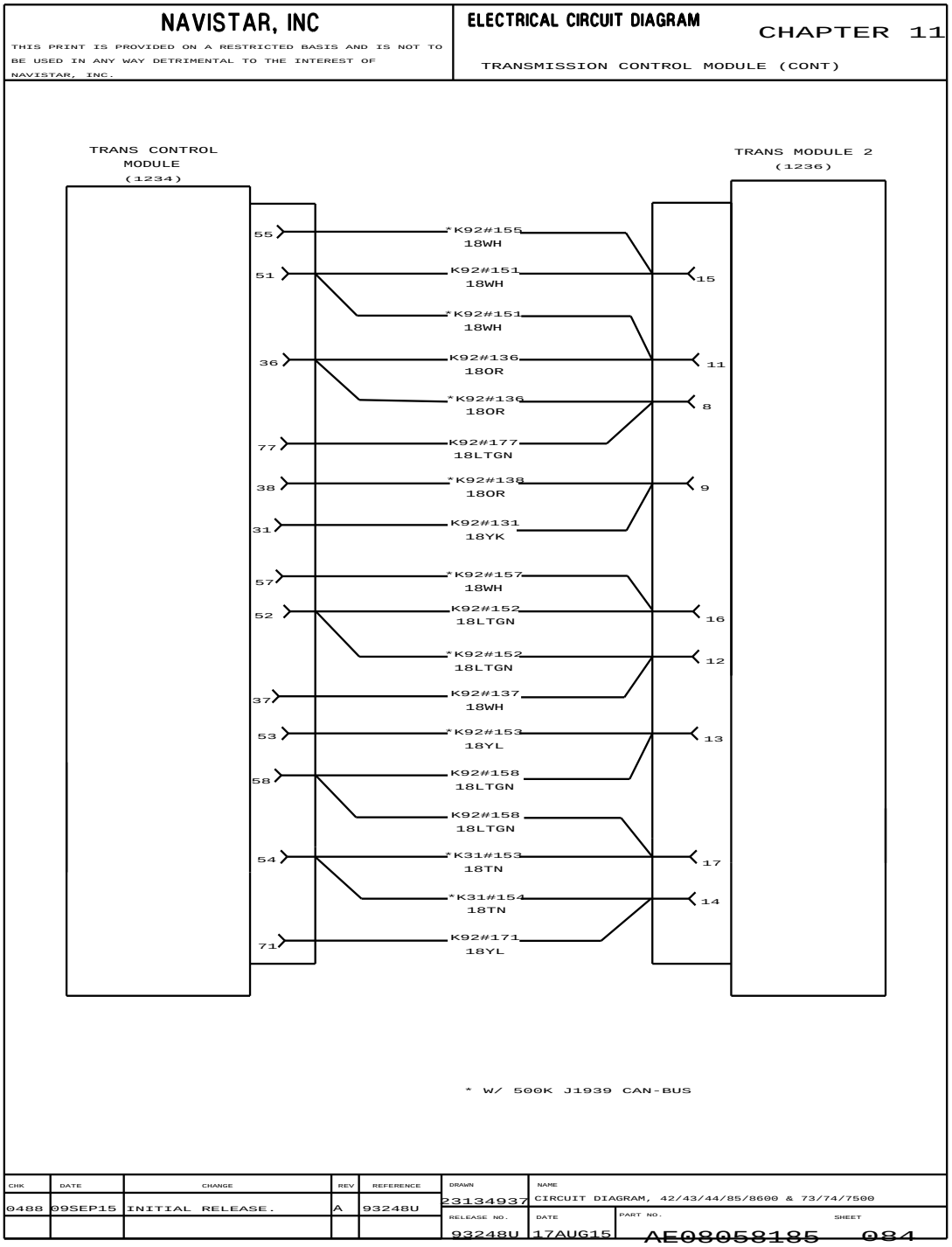

Figure 508 Transmission Control Module (Cont.)

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11.94. TRANSMISSION CONTROL MODULE (CONT.), P. 85

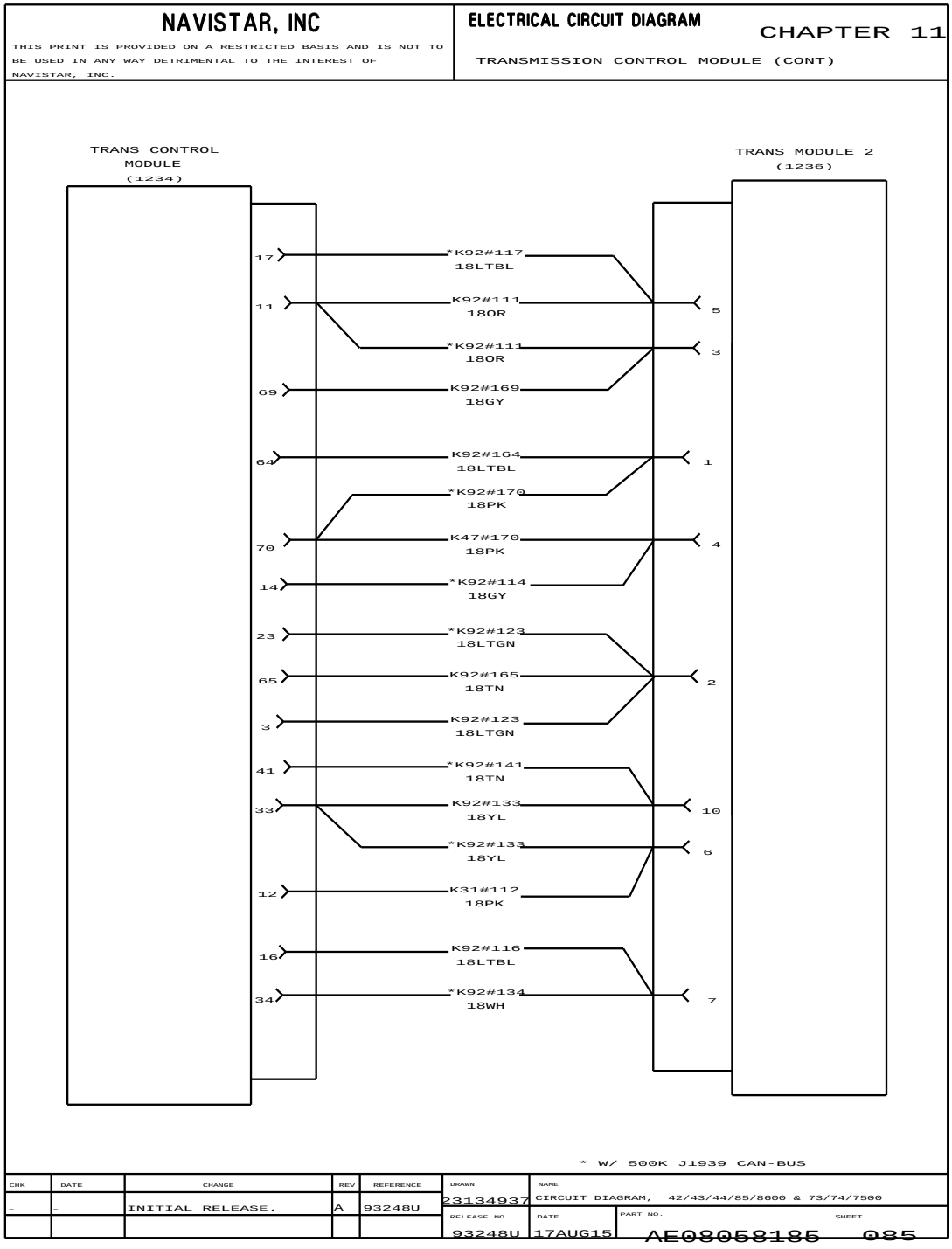

Figure 509 Transmission Control Module (Cont.)

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11.95. TRANSMISSION CONTROL MODULE (CONT.), P. 86

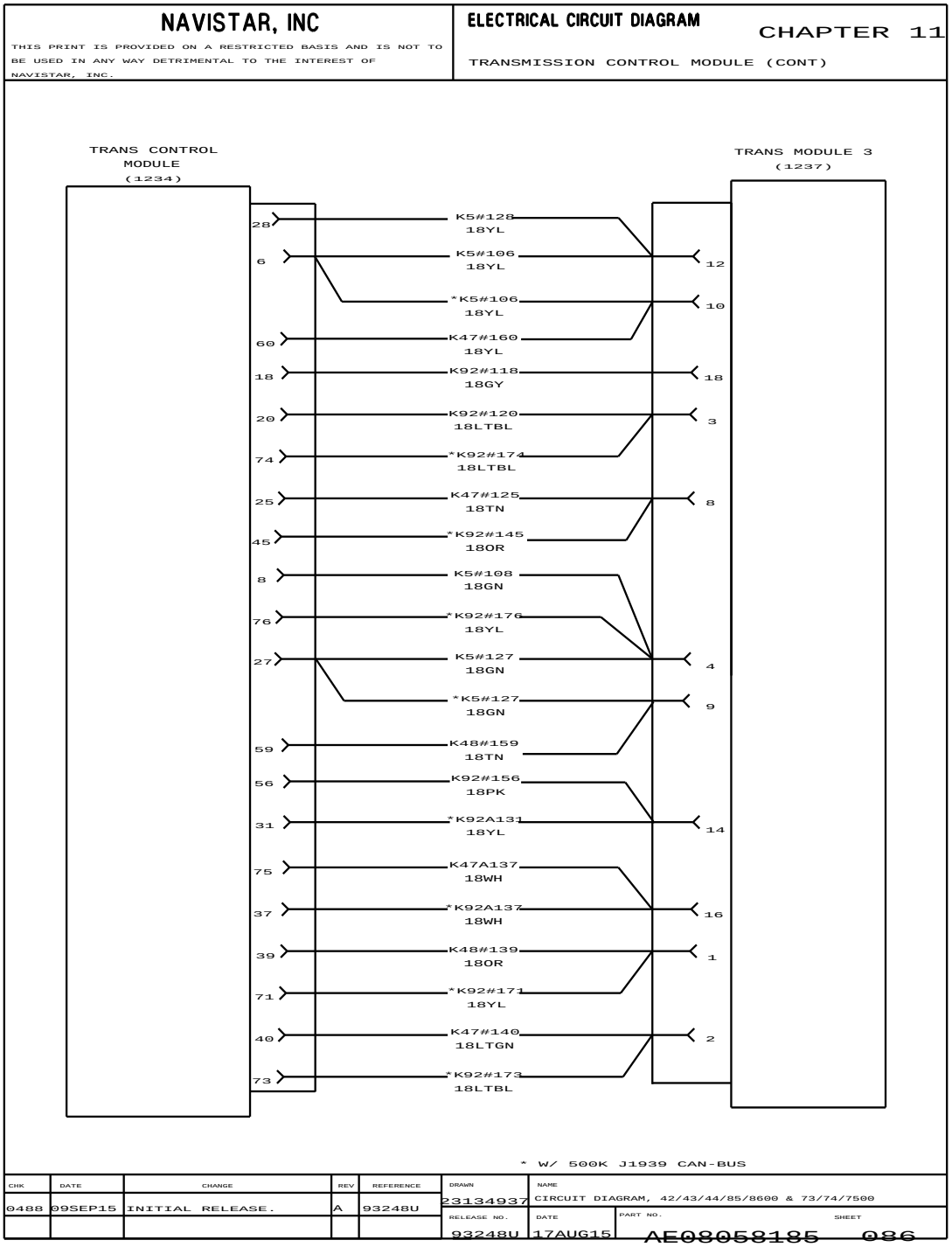

Figure 510 Transmission Control Module (Cont.)

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11.96. TRANSMISSION CONTROL MODULE (CONT.), P. 87

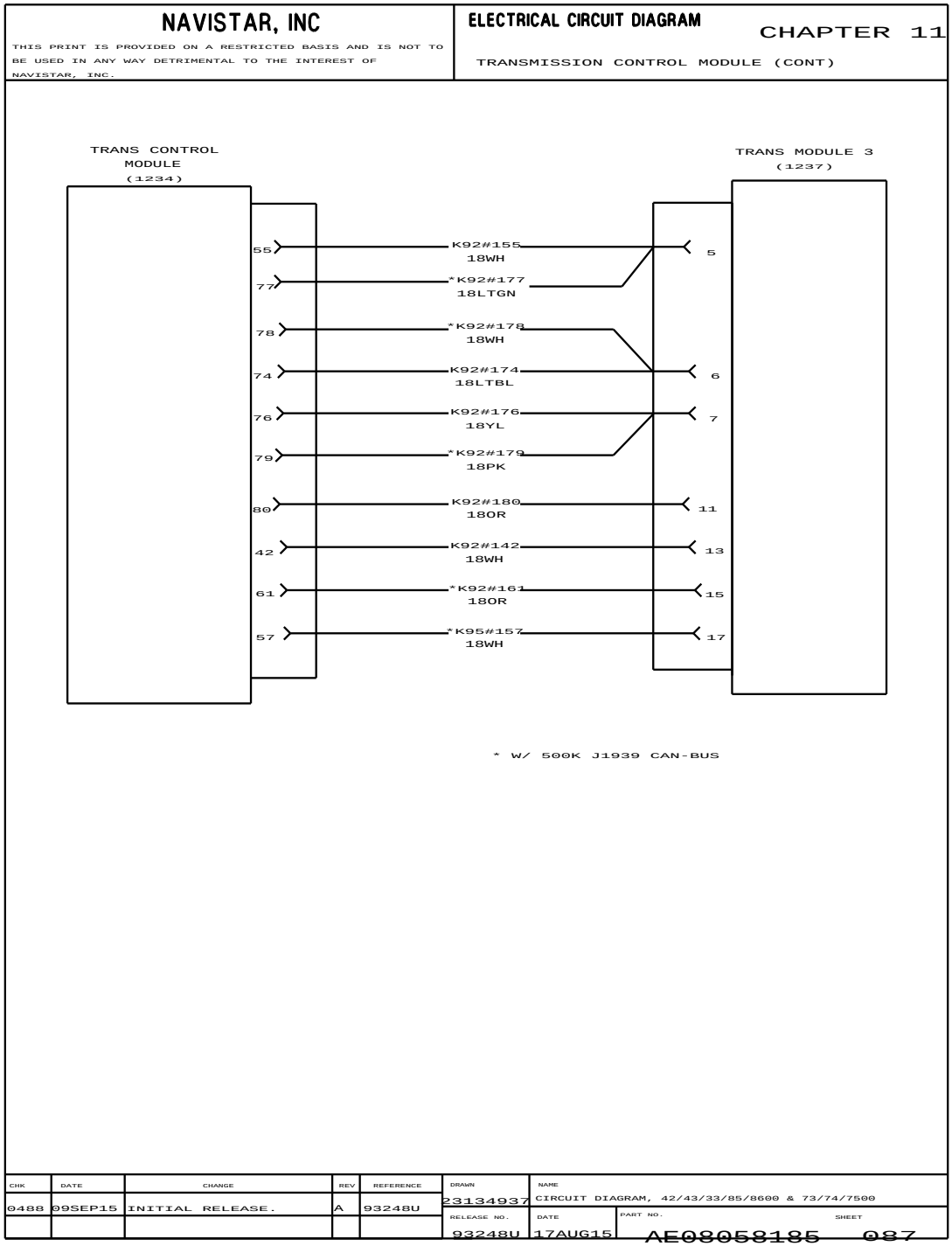

Figure 511 Transmission Control Module (Cont.)

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AIR CONDITIONING (CHAPTER 12)

12.1. AIR CONDITIONING, P. 1

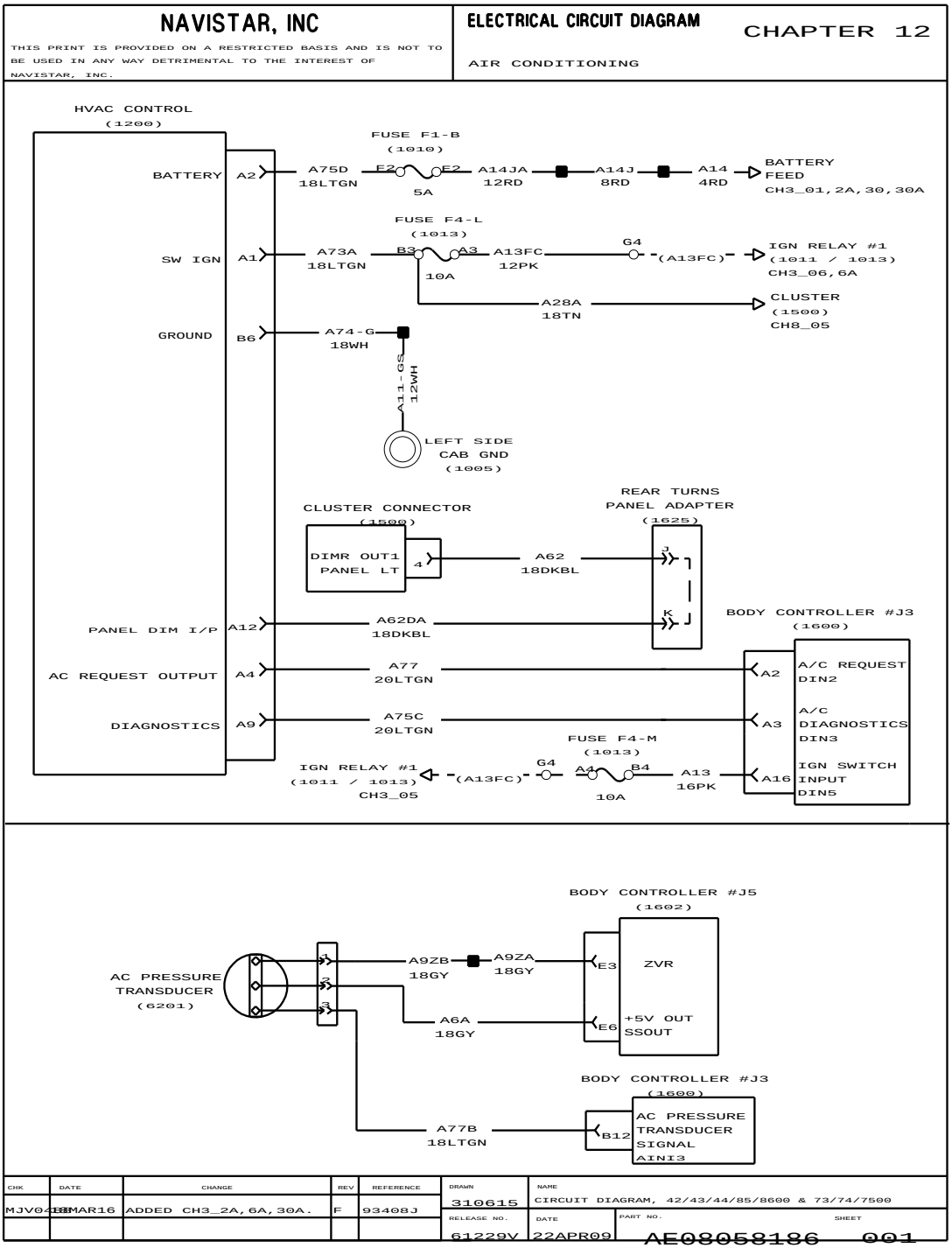

Figure 512 Air Conditioning

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12.2. AIR CONDITIONING (CONT.), P. 2

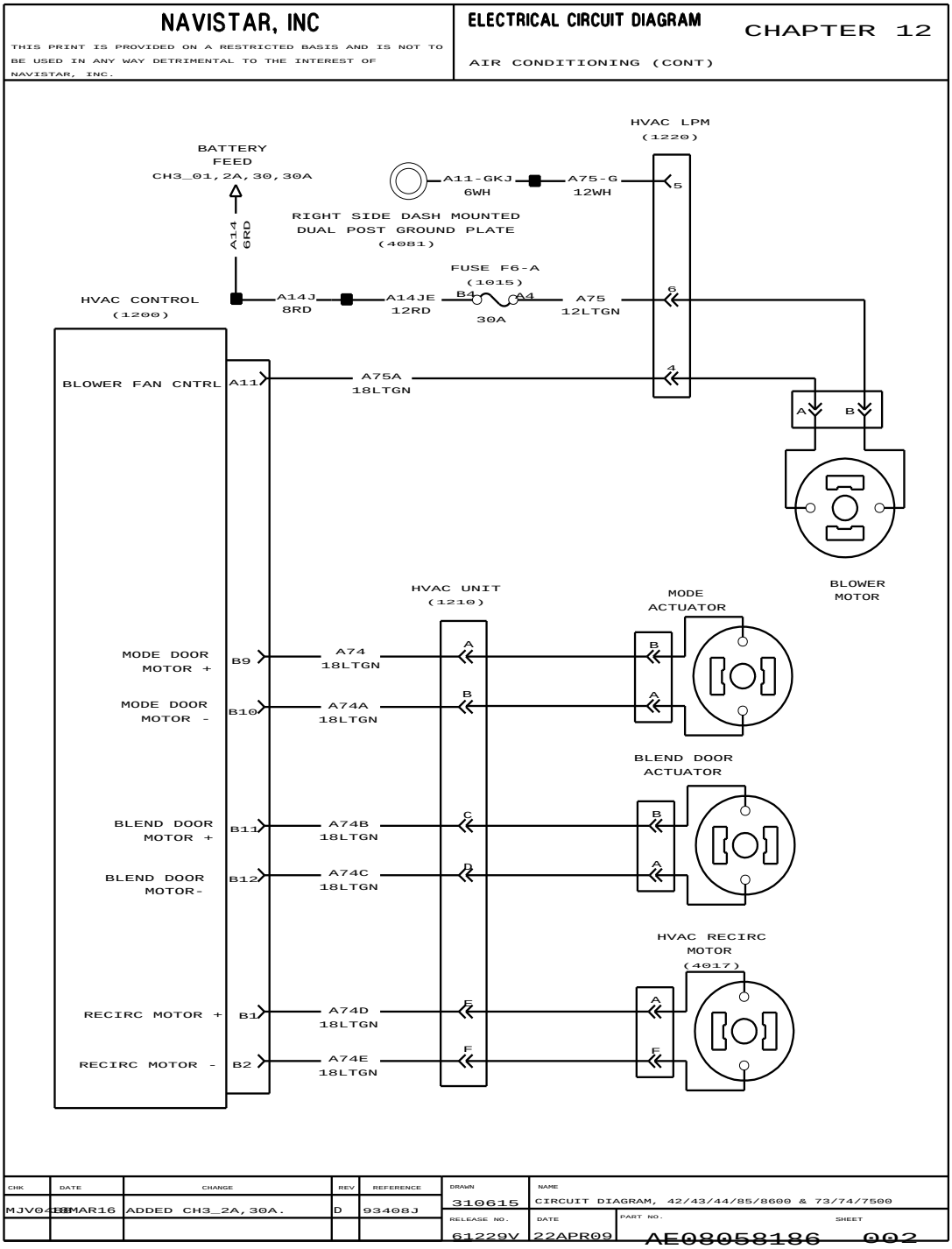

Figure 513 Air Conditioning (Cont.)

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12.3. HVAC SYSTEM, P. 3

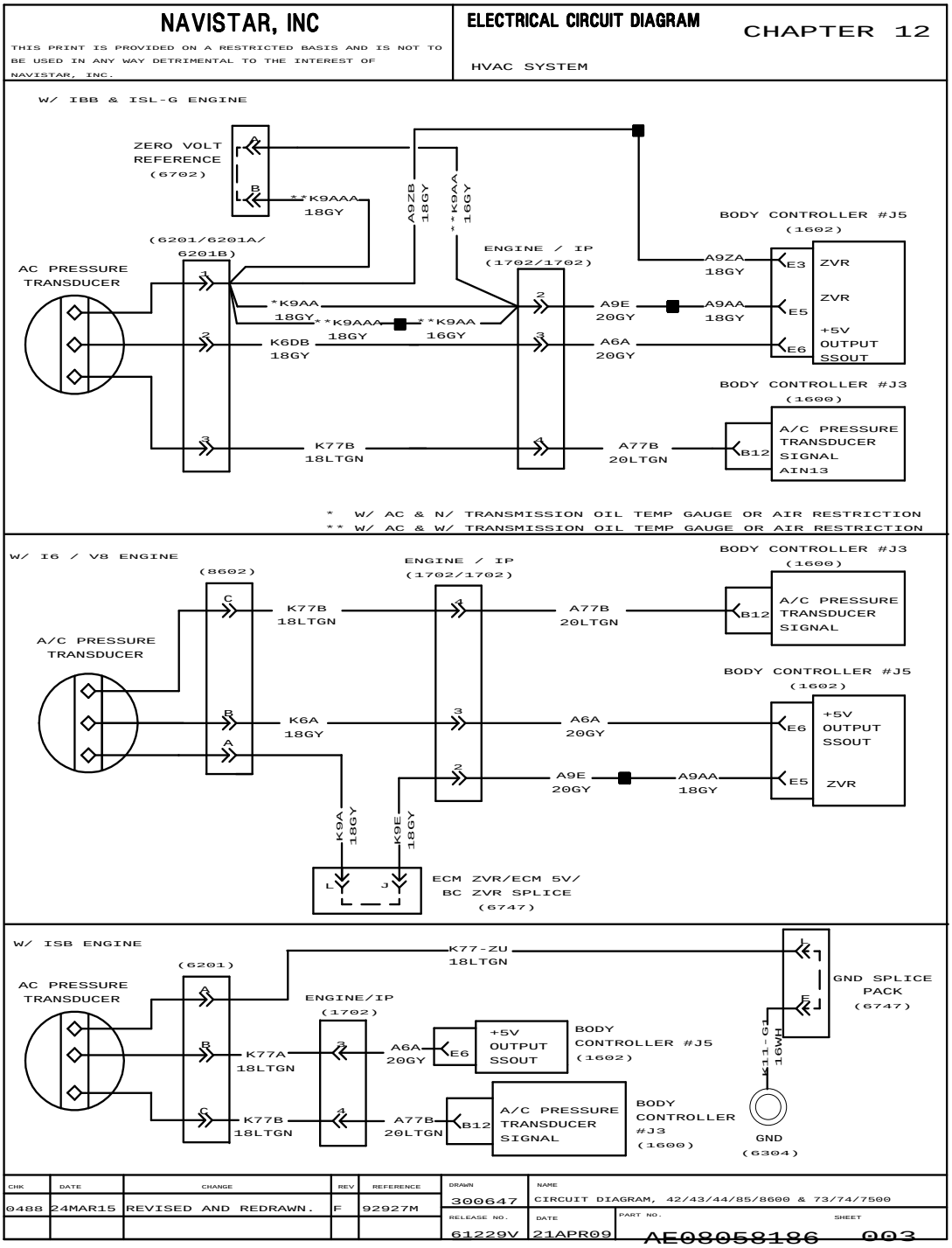

Figure 514 HVAC System

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12.4. HVAC SYSTEM (CONT.), P. 4

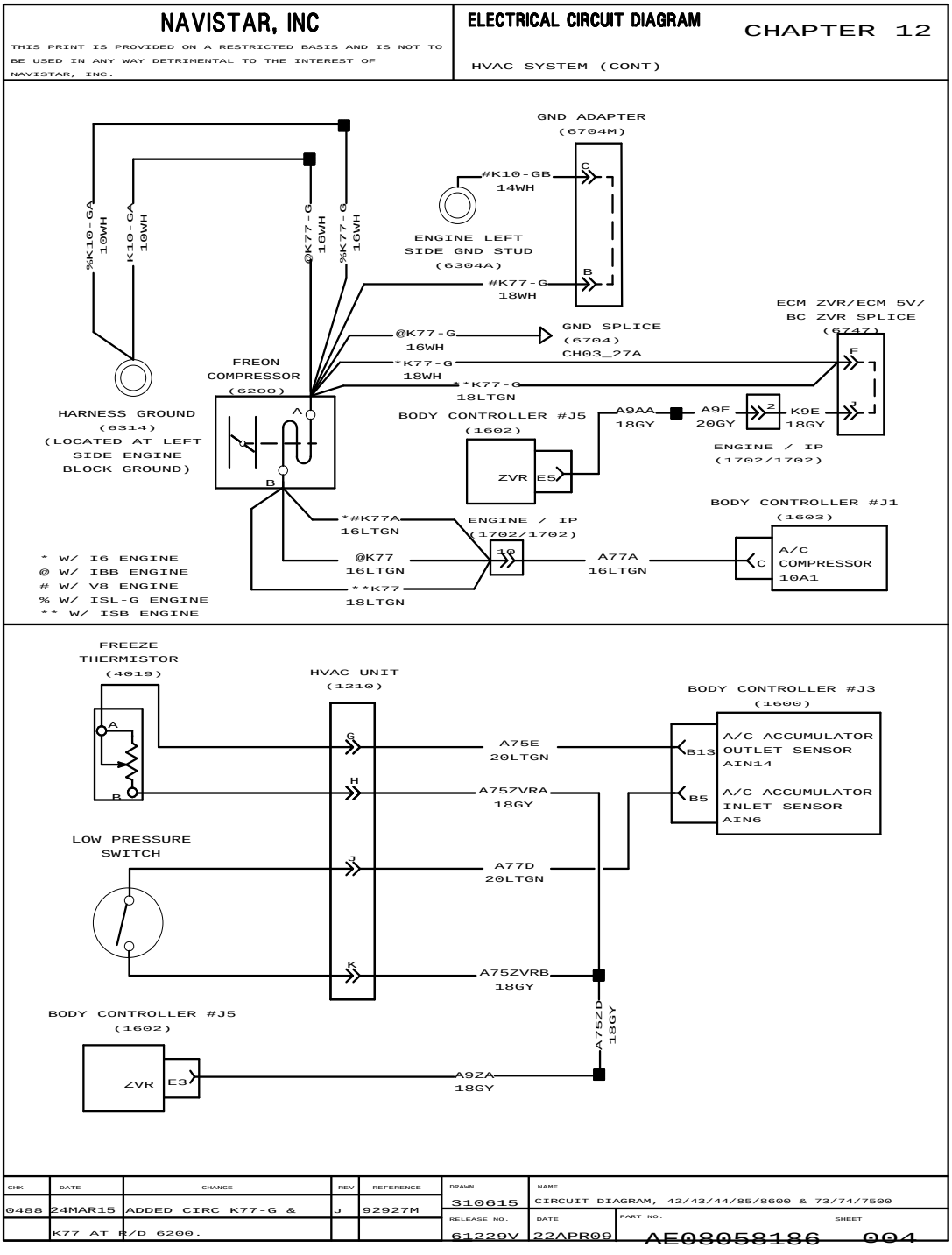

Figure 515 HVAC System (Cont.)

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12.5. HVAC SYSTEM (CONT.), P. 4A

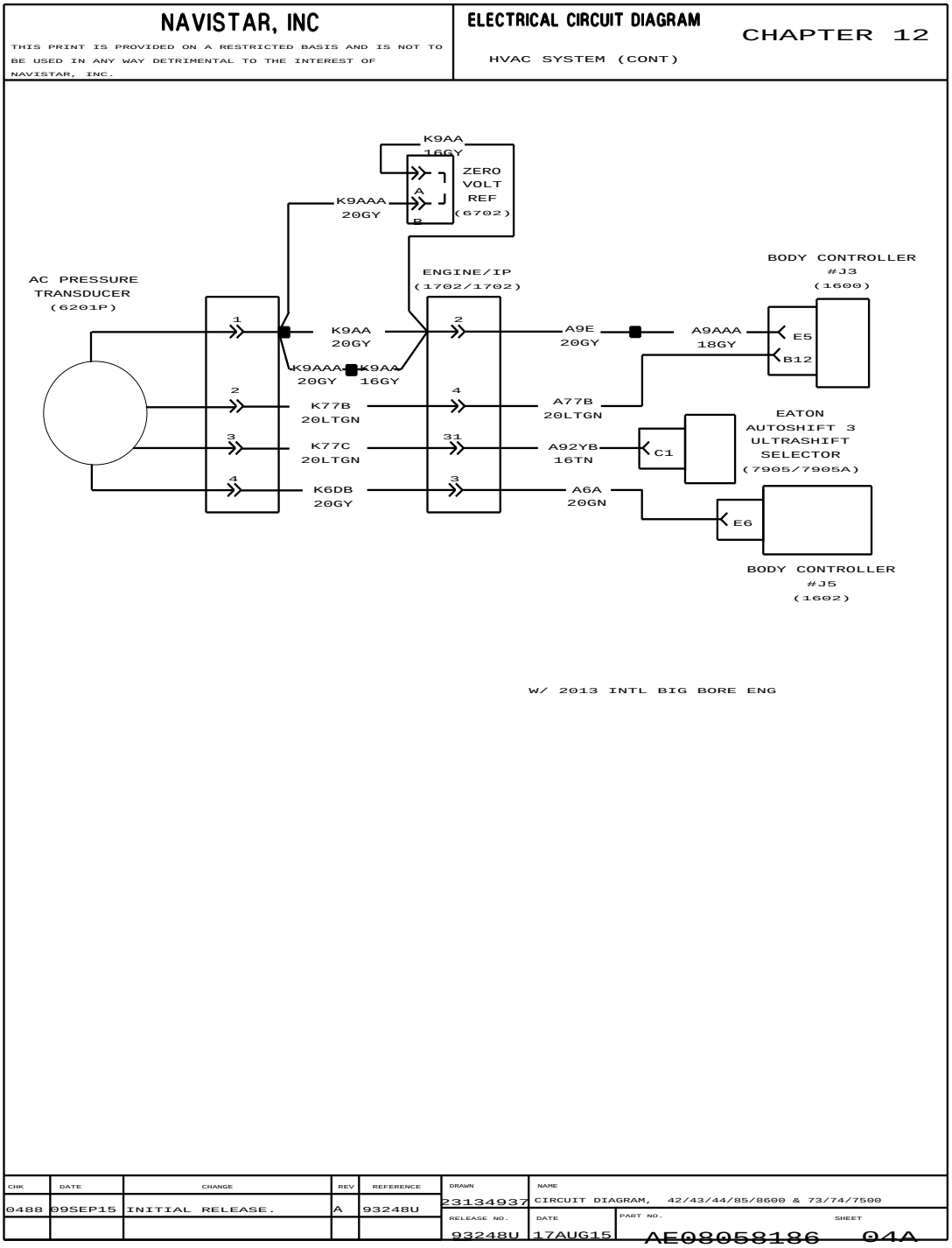

Figure 516 HVAC System (Cont.)

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12.6. AUTOTHERM SYSTEM, P. 5

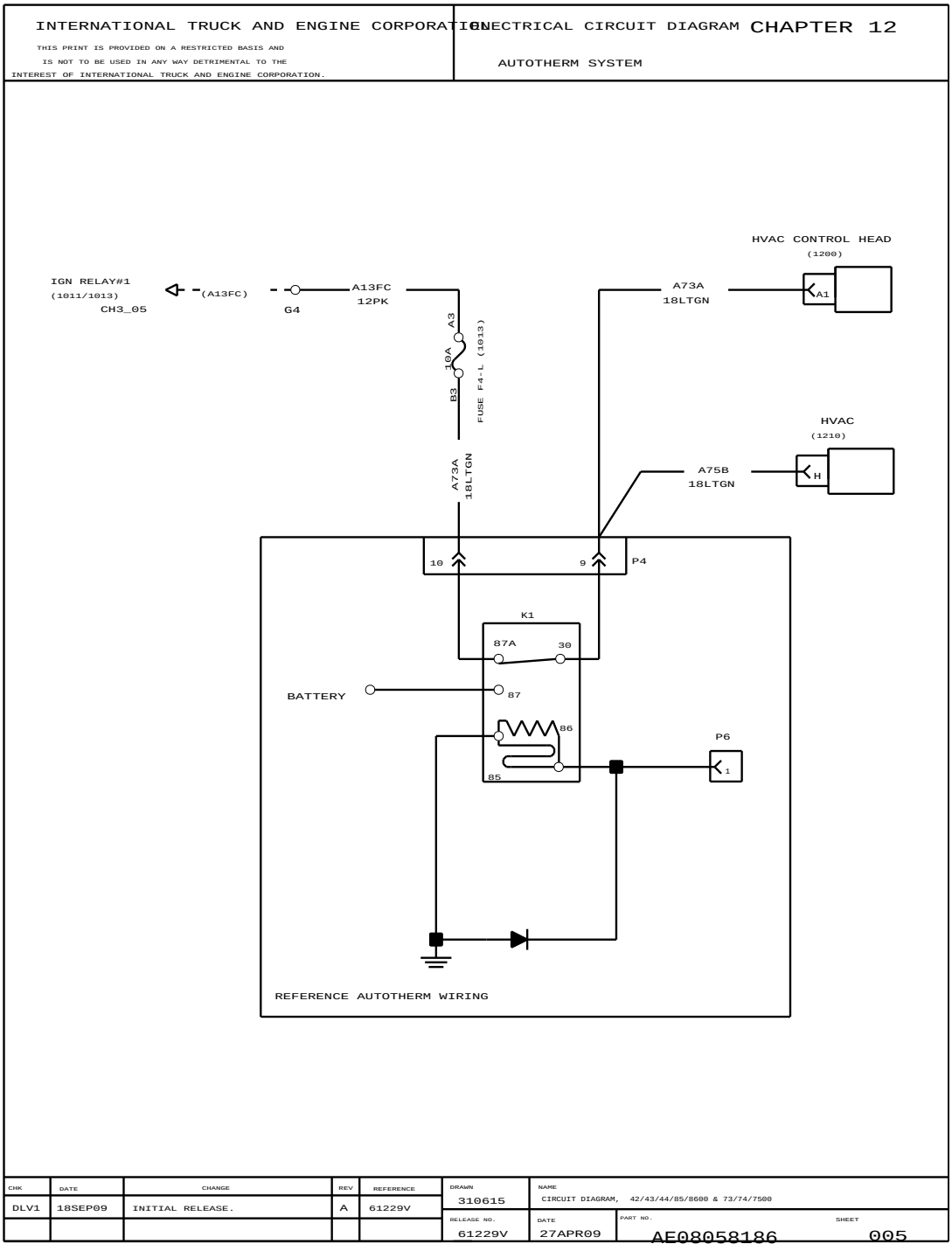

Figure 517 Autotherm System

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CONNECTOR COMPOSITES (CHAPTER 13)

13.1. CONNECTOR COMPOSITES (1), (1A), (2C), P. 1

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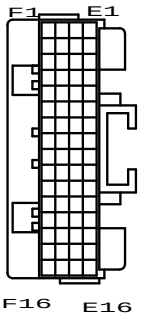
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

BODY CONNECTOR(1)
(LOCATED ON LEFT SIDE KICK PANEL)



CONNECTOR 3598707C1
BODY LOCK 1618846C1

CAV	CIRC	GAUGE	COLOR	TERMINAL
E1	ATEM1	16	GY	3522073C1
E2	ATEM2	16	GY	3522073C1
E3	ATEM3	16	GY	3522073C1
E4	ATEM4	16	GY	3522073C1
E5	ATEM5	16	GY	3522073C1
E6	ATEM6	16	GY	3522073C1
E7	ATEM7	16	GY	3522073C1
E8	ATEM8	16	GY	3522073C1
E9	-	-	-	-
E10	-	-	-	-
E11	-	-	-	-
E12	-	-	-	-
E13	-	-	-	-
E14	-	-	-	-
E15	-	-	-	-
E16	-	-	-	-

CAV	CIRC	GAUGE	COLOR	TERMINAL
F1	-	-	-	-
F2	-	-	-	-
F3	-	-	-	-
F4	-	-	-	-
F5	-	-	-	-
F6	-	-	-	-
F7	-	-	-	-
F8	-	-	-	-
F9	-	-	-	-
F10	-	-	-	-
F11	-	-	-	-
F12	-	-	-	-
F13	-	-	-	-
F14	-	-	-	-
F15	-	-	-	-
F16	-	-	-	-

ANTENNA CABLE (1A)
(LOCATED ON LEFT SIDE OF THE ENGINE)

CONNECTOR 3547279C93

CAV	CIRC	GAUGE	COLOR	TERMINAL
1	[BDORE]	22	BK	ASSY
2	[BDHLD]	22	NONE	ASSY

EXHAUST BRAKE (1C)
(LOCATED ON LEFT SIDE OF THE ENGINE)

CONNECTOR 0188395R1

CAV	CIRC	GAUGE	COLOR	TERMINAL
A	24E	16	GY	0879630R1

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	ADDED R/D 1A.	F	92603H

DRAWN 310702
NAME CIRCUIT DIAGRAM,42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 24MAR09
PART NO. AE08058187
SHEET 001

Figure 518 Connector Composites (1), (1A), (2C)

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13.2. CONNECTOR COMPOSITES (2A), (3A), (4A), (18A), (19A), P. 1A

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ANTENNA CABLE
(2A)
(LOCATED IN INSTRUMENT PANEL)

CONNECTOR 3547279C93

CAV	CIRC	GAUGE	COLOR	TERMINAL
1	[ACORE]	22	BK	ASSY
2	[ASHLD]	22	NONE	ASSY

SATELLITE RADIO ANTENNA
(3A)
(LOCATED IN INSTRUMENT PANEL)

CONNECTOR 3624343C1

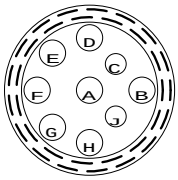
CAV	CIRC	GAUGE	COLOR	TERMINAL
1	[ACORE]	22	BK	ASSY
2	[ASHLD]	22	NONE	ASSY

SATELLITE RADIO ANT
(4A)
(LOCATED IN INSTRUMENT PANEL)

CONNECTOR 3624343CX

CAV	CIRC	GAUGE	COLOR	TERMINAL
1	[ACORE]	22	BK	ASSY
2	[ASHLD]	22	NONE	ASSY

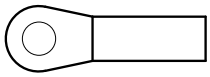
IVIS DATA LINK SUPPLY CABLE
(18A)



CONNECTOR 3686068C91

CAV	CIRC	GAUGE	COLOR	TERMINAL
A	[AWHT]	18	WH	ASSY
B	[ARED]	18	RD	ASSY
C	[AYEL]	18	YL	ASSY
D	[AGRN]	18	GN	ASSY
E	PLUG	-	-	-
F	[ABLU]	18	DK BL	ASSY
G	[AGRY]	18	GY	ASSY

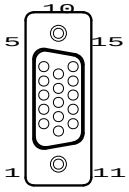
BATTERY +VE
(100)
(LOCATED NEAR BATTERY CABLE)



TERMINAL 0373756C2

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A	14-FL	8	LTBL	0373756C2	2644005R1

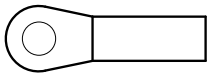
IVIS DATA LINK CONN
(19A)



CONNECTOR 3686068C9X

CAV	CIRC	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	-
2	PLUG	-	-	-
3	PLUG	-	-	-
4	PLUG	-	-	-
5	PLUG	-	-	-
6	[AWHT]	18	WH	ASSY
7	PLUG	-	-	-
8	[ARED]	18	RD	ASSY
9	PLUG	-	-	-
10	PLUG	-	-	-
11	PLUG	-	-	-
12	[AGRN]	18	GN	ASSY
13	[AYEL]	18	YL	ASSY
14	[AGRY]	18	GY	ASSY
15	[ABLU]	18	DK BL	ASSY

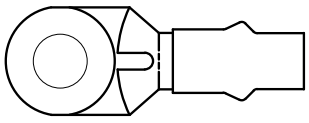
BATTERY +VE
(100)
(LOCATED NEAR BATTERY CABLE)



TERMINAL 0365684C2

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A	14-FL	10	RS	0365684C2	2644005R1

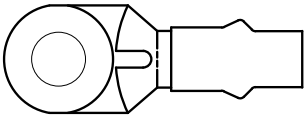
PDM POWER FEED
(101)
(LOCATED NEAR PDM)



TERMINAL 0475961C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A	14A	4	RD	0475961C1	3812582R1

PDM POWER FEED
(101)
(LOCATED NEAR PDM)



TERMINAL 3752567C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A	14A	6	RD	3752567C1	2644002R1

CHK	DATE	CHANGE	REV	REFERENCE
-	-	ADDED R/D 100 & 101.	D	92674A

DRAWN 310702 | NAME CIRCUIT DIAGRAM,42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V | DATE 24MAR09 | PART NO. AE08058187 | SHEET 01A

Figure 519 Connector Composites (2A), (3A), (4A), (18A), (19A)

https://truckmanualshub.com/

13.3. CONNECTOR COMPOSITES (254F), (254M), (304), (317), P. 2

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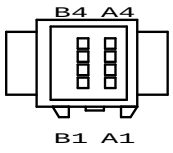
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

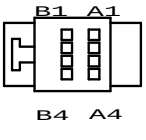
MIRROR SWITCH CONN
(254F)
(LOCATED IN INSTRUMENT PANEL LEFT SIDE)



CONNECTOR 3662108C1

CAV	CIRC	GAUGE	COLOR	TERMINAL
A1	A62D	20	DKBL	3662109C1
A2	A78L	20	RD	3662109C1
A3	A78K	20	LTGN	3662109C1
A4	A78-GD	20	WH	3662109C1
B1	A78A	20	LTGN	3662109C1
B2	A78D	20	LTGN	3662109C1
B3	A78C	20	LTGN	3662109C1
B4	A78F	20	LTGN	3662109C1

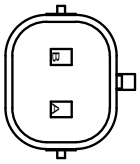
MIRROR SWITCH CONN
(254M)
(LOCATED IN INSTRUMENT PANEL
BEHIND CENTER PANEL)



CONNECTOR 3510243C1

CAV	CIRC	GAUGE	COLOR	TERMINAL
A1	A62D	20	DKBL	3535805C1
A2	A78L	20	RD	3535805C1
A3	A78K	20	LTGN	3535805C1
A4	A78-GD	20	WH	3535805C1
B1	A78A	20	LTGN	3535805C1
B2	A78D	20	LTGN	3535805C1
B3	A78C	20	LTGN	3535805C1
B4	A78F	20	LTGN	3535805C1

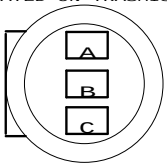
BACK-UP LIGHT
(304)
(LOCATED ON TRASMISSION)



CONNECTOR 3543888C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	71	16	BK	1667742C1	1661872C1
B	71A	16	WH	1667742C1	1661872C1

CB SLEEVE LIGHT
(317)
(LOCATED ON TRASMISSION)



CONNECTOR 089000-CB

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	71	16	BK	0425058C1	089000-CB
B	PLUG	-	-	-	-
C	71A	16	WH	0425058C1	089000-CB

CHK	DATE	CHANGE	REV	REFERENCE
-	-	ADDED R/D 304 & 317;	D	92372W
	REMOVED	R/D 400.		

DRAWN 310702
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 20APR09
PART NO. AE08058187
SHEET 002

Figure 520 Connector Composites (254F), (254M), (304), (317)

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13.4. CONNECTOR COMPOSITES (400), (411M1), (421), (422), P. 3

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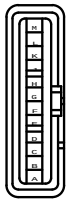
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

TURN SIGNAL ADAPTER
(400)
(LOCATED ON MODULE BRACKET)

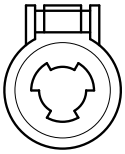


CONNECTOR 3543733C1
BODY LOCK 3543732C1

* MUTUALLY EXCLUSIVE
# W/ LIFT AXLE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	A57E	16	LTGN	3535303C1	3535424C1
A*	A57A	16	OR	3535303C1	3535424C1
B*	A57D	16	OR	3535303C1	3535424C1
B*	A57D	16	LTGN	3535303C1	3535424C1
C	A57BC	16	LTGN	3535303C1	3535424C1
D	A57R	16	LTGN	3535303C1	3535424C1
E*	A56E	16	YL	3535303C1	3535424C1
E*	A56A	16	OR	3535303C1	3535424C1
F*	A56D	16	OR	3535303C1	3535424C1
F*	A56D	16	YL	3535303C1	3535424C1
G	A56BC	16	YL	3535303C1	3535424C1
H	A56R	16	YL	3535303C1	3535424C1
J	A71AB	16	OR	3535303C1	3535424C1
K*	A71BA	16	OR	3535303C1	3535424C1
K*	A71A	16	OR	3535303C1	3535424C1
L*	A67H	18	GY	3535303C1	3535424C1
L#	A71P	18	OR	3535303C1	3535424C1
L*	A71N	16	OR	3535303C1	3535424C1
M	A71D	18	OR	3535303C1	3535424C1

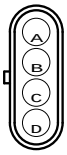
REMOTE POWER MODULE POSITIVE FEED
(411M1)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3517760C1

CAV	CIRC	GAUGE	COLOR	TERMINAL
A	N14CY	4	RD	3517757C1

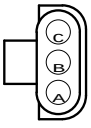
RESISTANCE MODULE IN
(421)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 0587571C91

CAV	CIRC	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A92RE	18	TN	0587578C1	3517771C1
B	A92RF	18	TN	0587578C1	3517771C1
C	A92RH	18	TN	0587578C1	3517771C1
D	A92RJ	18	TN	0587578C1	3517771C1

RESISTANCE MODULE OUT
(422)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3519221C91

CAV	CIRC	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A92#158	18	TN	0587578C1	3517771C1
B	A92#156	18	TN	0587578C1	3517771C1
C	A92#112	18	TN	0587578C1	3517771C1

CHK	DATE	CHANGE	REV.	REFERENCE
0488	25JUN14	ADDED R/D 411M1.	E	92603H

DRAWN 310702 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V | DATE 20APR09 | PART NO. AE08058187 | SHEET 003

Figure 521 Connector Composites (400), (411M1), (421), (422)

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13.5. CONNECTOR COMPOSITES (422F), (423), (424), (425), (500), P. 3A

NAVISTAR, INC

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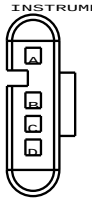
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

LCT T-HANDLE SHIFTER
(422F)
(LOCATED IN INSTRUMENT PANEL)

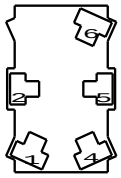


CONNECTOR 3540756C1
BODY LOCK 3540758C1

CAV	CIRC	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A92A163	16	TN	1661875C1	1661872C1
B	A92D	18	TN	1661875C1	3568570C1
C	A92#142	18	TN	1661875C1	3568570C1
D*	A92#103	18	TN	1661875C1	3568570C1
D*	A92A103	18	TN	1661875C1	3568570C1
D*	A92B103	18	TN	1661875C1	3568570C1

* MUTUALLY EXCLUSIVE

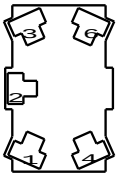
RETARDER REQUEST SWITCH
(423)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 1673743C1

CAV	CIRC	GAUGE	COLOR	TERMINAL
1	A92#161	18	TN	1661224C1
2	A92#103	18	TN	1661224C1
4	PLUG	-	-	-
5	PLUG	-	-	-
6	PLUG	-	-	-

RETARDER OUTPUT SWITCH
(424)
(LOCATED IN INSTRUMENT PANEL CENTER)

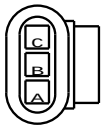


CONNECTOR 1687783C1

CAV	CIRC	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	-
2	A92RE	18	TN	1661224C1
3	A92RF	18	TN	1661224C1
4	A92RH	18	TN	1661224C1
6	A92RJ	18	TN	1661224C1
6&	A92RJF	18	TN	1661224C1

& W/ XMSN MISC-RETARDER

FELSTED SHIFTER PARK BRAKE
(425)
(LOCATED IN INSTRUMENT PANEL CENTER)

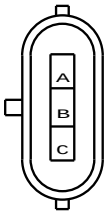


CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRC	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	A92-GAH	18	WH	1661875C1	3568570C1
A*	A44-GAH	18	GY	1661875C1	3568570C1
B*	A44L	18	GY	1661875C1	3568570C1
B*	A122AB	18	PL	1661875C1	3568570C1
C	A44J	18	GY	1661875C1	3568570C1

* MUTUALLY EXCLUSIVE

ECM\TCM\AT GND
(500)



CONNECTOR 1667732C1
BODY LOCK 1667734C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K10-GG	10	WH	2025425C1	1667735C1
B#	K10A	10	BK	2025425C1	1667735C1
B*	K10-GG	10	WH	2025425C1	1667735C1
B@	K11-GAM	10	WH	2025425C1	1667735C1
B&	K10H	16	WH	1667736C1	1664232C1
C	K10-GG	10	WH	2025425C1	1667735C1
C@	K10-GH	10	WH	2025425C1	1667735C1
C&	K10B	16	WH	1667736C1	1664232C1

* GROUND W/A3000 TAM, W/508002
\# GROUND W/TCM W/508004
@ GROUND W/A3000 TAM
& GROUND W/EATON PROCISION XMSN

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
MJV04	16MAR16	EATON PROCISION	G	93408J	U021653	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	WAS EPS				RELEASE NO. 82436B	DATE 01NOV11

PART NO. AE08058187 SHEET 03A

Figure 522 Connector Composites (422F), (423), (424), (425), (500)

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13.6. CONNECTOR COMPOSITES (600), (608), (662), (663), P. 3B

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

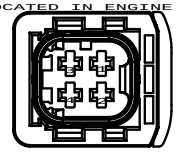
CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

FAN AIR SOLENOID
(600)

CONNECTOR 3522068C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A	K23	20	TN	1661875C1	3568570C1
B	K23-G	20	TN	1661875C1	3568570C1

UPSTREAM NOX SENSOR
(608)
(LOCATED IN ENGINE)

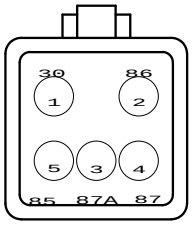


CONNECTOR 3993814C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1*	K95E	18	TN	3992815C1	3532128C1
1#	K95E	18	TN	3830792C1	3532128C1
2*	K5D(-)	18	GN	3992815C1	3532128C1
2#	K5D(-)	18	GN	3830792C1	3532128C1
3*	K5D(+)	18	YL	3992815C1	3532128C1
3#	K5D(+)	18	YL	3830792C1	3532128C1
4*	K95-GB	18	TN	3992815C1	3532128C1
4#	K95-GB	18	TN	3830792C1	3532128C1

* W/MXF13L SCR ENGINE
\# W/I6 2010 SCR ENGINE

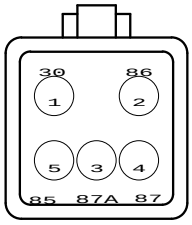
CRANKING RELAY
(662)
(LOCATED ON FRONT LEFT DASH PANEL (UPPER)



CONNECTOR 3512331C91

CAV	CIRC	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	17-GA	18	WH	2039343C1	3517771C1
2	17-GB	18	WH	2039343C1	3517771C1
3	PLUG	-	-	0587579C1	3517771C1
4	K17M	18	PK	2039343C1	3517771C1
5	K17E	18	PK	2039343C1	3517771C1

EXHAUST BRAKE RELAY
(663)
(LOCATED ON FRONT LEFT DASH PANEL (UPPER)



CONNECTOR 3512331C91

CAV	CIRC	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K24C	16	GY	2039343C1	0589391C1
2	24A	14	GY	3535486C1	1652325C1
3	PLUG	-	-	0587579C1	3517771C1
4	24E	16	GY	2039343C1	1652325C1
5	24D	14	GY	3535486C1	1652325C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	24MAR15	ADDED NEW R/D 600.	D	92927M

DRAWN MJV0195 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92218B | DATE 29JUL13 | PART NO. AE08058187 | SHEET 03B

Figure 523 Connector Composites (600), (608), (662), (663)

https://truckmanualshub.com/

13.7. CONNECTOR COMPOSITES (663R), (664), (670), P. 3C

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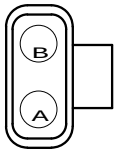
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

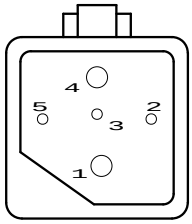
EXHAUST BRAKE FUSE
(663R)
(LOCATED ON FRONT LEFT DASH PANEL (UPPER)



CONNECTOR 1667639C1

CAV	CIRC	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K24B	16	GY	1661707C1	N/A
B	K24C	16	GY	1661707C1	N/A

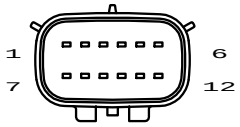
START RELAY
(664)
(LOCATED ON LEFT SIDE OF ENGINE)



CONNECTOR 1661747C91

CAV	CIRC	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K17CA	16	PK	3895713C1	N/A
2	K17CB	16	PK	3895713C1	N/A
3	PLUG	-	-	-	-
4	K17C	16	PK	1661707C1	N/A
5	K17CC	16	PK	3895713C1	N/A

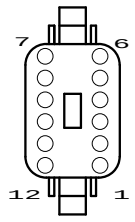
AFTERTREATMENT HARNESS INTERCONNECT
(670)
(LOCATED IN ENGINE)



CONNECTOR 3957650C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	5(+)	18	YL	3709927C1
2	5(-)	18	GN	3709927C1
3	10	16	WH	3709927C1
4	13	16	PK	3709927C1
5	5A(+)	18	YL	3709927C1
6	5A(-)	18	GN	3709927C1
7	9	18	GY	3709927C1
8	95	18	TN	3709927C1
9	95A	18	TN	3709927C1
10	6	18	GY	3709927C1
11	95(+)	18	TN	3709927C1
12	95(-)	18	TN	3709927C1

AFTERTREATMENT HARNESS
(670)
(LOCATED IN ENGINE)



CONNECTOR 3601924C1
BODY LOCK 3601925C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	k5(+)	18	YL	3572625C1
2	k5(-)	18	GN	3572625C1
3	k10-G4	16	WH	3572625C1
3	k10-G4	16	BK	3572625C1
4	k13	16	PK	3572625C1
5	k5A(+)	18	YL	3572625C1
6	k5A(-)	18	GN	3572625C1
7	KV9	20	GY	3755839C1
8	k95	20	TN	3755839C1
9	k95A	20	TN	3755839C1
10	k6E	18	GY	3572625C1
10	k6D	18	PL	3572625C1
11	k95(+)	20	YL	3755839C1
12	k95(-)	20	GN	3755839C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	24MAR15	REVISED AND REDRAWN.	D	92927M

DRAWN: MJV0088 — NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO.: 92218B — DATE: 29JUL13 — PART NO.: AE08058187 — SHEET: 03C

Figure 524 Connector Composites (663R), (664), (670)

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13.8. CONNECTOR COMPOSITES (670), (671), P. 3D

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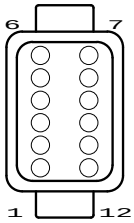
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

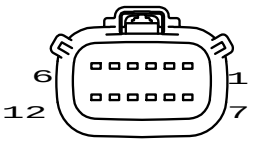
POWERTRAIN HARNERSS INTERCONNECT
(670)
(LOCATED IN ENGINE)



CONNECTOR 3755933C1
BODY LOCK 1689501C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	5A(+)	18	YL	3572626C1
2	5A(-)	18	GN	3572626C1
3	10-GD	16	WH	3572626C1
4	13F	16	PK	3572626C1
5	5B(+)	18	YL	3572626C1
6	5B(-)	18	GN	3572626C1
7	9A	18	GY	3572626C1
8	95B	18	TN	3572626C1
9	95A	18	TN	3572626C1
10	6A	18	GY	3572626C1
11	95A(+)	18	TN	3572626C1
12	95A(-)	18	TN	3572626C1

AFTERTREATMENT INTERCONNECT
(670)
(LOCATED IN ENGINE)

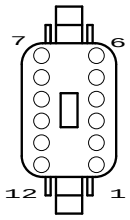


CONNECTOR 3959006C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	5B(+)	18	YL	3686945C1
1**	5B(+)	18	YL	3686943C1
2*	5B(-)	18	GN	3686945C1
2**	5B(-)	18	GN	3686943C1
3*	95-GE	16	TN	3686946C1
3**	95-GE	16	WH	3686944C1
4*	95EB	16	TN	3686946C1
4**	95EB	16	TN	3686944C1
5*	5(+)	18	YL	3686945C1
5**	5(+)	18	YL	3686943C1
6*	5(-)	18	GN	3686945C1
6**	5(-)	18	GN	3686943C1
7*	95Q	20	TN	3686945C1
7**	95EA	20	TN	3686943C1
8*	95P	20	TN	3686945C1
8**	95P	20	TN	3686943C1
9*	95Q	20	TN	3686945C1
9**	95EC	20	TN	3686943C1
10*	95R	20	TN	3686945C1
10**	95R	20	TN	3686943C1
11*	95S	20	TN	3686945C1
11**	95S	20	TN	3686943C1
12*	95T	20	TN	3686945C1
12**	95T	20	TN	3686943C1

* W/ AFTERTREATMENT SWITCH BACK
** W/ AFTERTREATMENT W/ VERT-VERT

AFTERTREATMENT HARNESS
(671)



CONNECTOR 3601924C1
BODY LOCK 3601925C1

CAV	CIRCUIT	GA	COLOR	TERMINAL
1	5A(+)	18	YL	3572625C1
2	5A(-)	18	GN	3572625C1
3	10-GD	16	WH	3572625C1
4	13F	16	PK	3572625C1
5	5B(+)	18	YL	3572625C1
6	5B(-)	18	GN	3572625C1
7	9A	18	GY	3572625C1
8	95B	18	TN	3572625C1
9	95A	18	TN	3572625C1
10	6A	18	GY	3572625C1
11	95A(-)	18	TN	3572625C1
12	95A(+)	18	TN	3572625C1

CHK	DATE	CHANGE	REV.	REFERENCE	DRAWN	NAME
0638	22JUN15	CIRC EXCHANGED IN CAV	E	92974E	MJV0088	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	11 & 12	OF R/D 670.			RELEASE NO. 92218B	DATE 29JUL13

PART NO. AE08058187 SHEET 03D

Figure 525 Connector Composites (670), (671)

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13.9. CONNECTOR COMPOSITES (671), (672), (673), P. 3E

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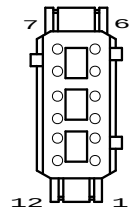
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

SCR SENSOR TABLE
(671)
(LOCATED IN ENGINE)

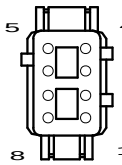


CONNECTOR 3989896C1
BODY LOCK 3553460C1

* W/ TRANSTAR AND W/ WORKSTAR
# W/ DURASTAR
** W/WORKSTAR & DURASTAR

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3527276C1
2	PLUG	-	-	3527276C1
3	PLUG	-	-	3527276C1
4	PLUG	-	-	3527276C1
5	PLUG	-	-	3527276C1
6	PLUG	-	-	3527276C1
7*	5B(+)	18	YL	3989895C1
7**	5D(+)	18	YL	3989895C1
7#	5C(+)	18	YL	3989895C1
8*	5B(-)	18	GN	3989895C1
8**	5D(-)	18	GN	3989895C1
8#	5C(-)	18	GN	3989895C1
9	10A	18	WH	3989895C1
10	13A	18	PK	3989895C1
11*	5(+)	18	YL	3989895C1
11**	5BB(+)	18	YL	3989895C1
11**	5B(+)	18	YL	3989895C1
11#	5A(+)	20	YL	3989895C1
12*	5(-)	18	GN	3989895C1
12**	5BB(-)	18	GN	3989895C1
12**	5B(-)	18	GN	3989895C1
12#	5A(-)	20	GN	3989895C1

DPF SENSOR TABLE
(672)
(LOCATED IN ENGINE)

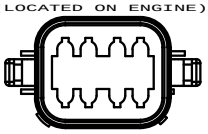


* W/ TRANSTAR AND W/ WORKSTAR
# W/ DURASTAR
**W/WORKSTAR, DURASTAR.

CONNECTOR 3989894C1
BODY LOCK 3539144C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1***	5C(+)	18	YL	3989895C1
1#	5D(+)	18	YL	3989895C1
2***	5C(-)	18	GN	3989895C1
2#	5D(-)	18	GN	3989895C1
3***	10B	18	WH	3989895C1
4	13B	18	PK	3989895C1
4**	13BF	18	PK	3989895C1
5***	9	18	GY	3989895C1
5#	9A	18	GY	3989895C1
6***	95	18	TN	3989895C1
6#	95B	18	TN	3989895C1
7***	95A	18	TN	3989895C1
8***	6	18	GY	3989895C1
8#	6A	18	GY	3989895C1

DEF TANK HARNESS INTERCONNECT 2
(672)
(LOCATED ON ENGINE)



W/ DURASTAR

CONNECTOR 3755935C1
BODY LOCK 3755937C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K95C	20	TN	1651988C1
2	K14B	16	RD	1651988C1
3	K13A	16	PK	1651988C1
4	K13D	16	PK	1651988C1
5	K95-GA	20	TN	1651988C1
6	K5(-)	18	LTGN	1651988C1
7	K5(+)	18	YL	1651988C1
8	K14A	16	RD	1651988C1

DEF DOSER
(673)
(LOCATED IN ENGINE)

CONNECTOR 3690364C

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1*	95(+)	18	TN	3689960C1	3623615C1
1#	95A(-)	18	TN	3689960C1	3623615C1
1%	95S	20	TN	3689960C1	3623615C1
2*	95(-)	18	TN	3689960C1	3623615C1
2#	95A(+)	18	TN	3689960C1	3623615C1
2%	95T	20	TN	3689960C1	3623615C1

* W/ TRANSTAR AND W/ WORKSTAR
# W/ DURASTAR
% W/WORKSTAR AND DURASTAR;I6 2010 ENGINE.

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	REVISED AND REDRAWN.	C	92603H

DRAWN MJV0088 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92218B | DATE 29JUL13 | PART NO. AE08058187 | SHEET 03E

Figure 526 Connector Composites (671), (672), (673)

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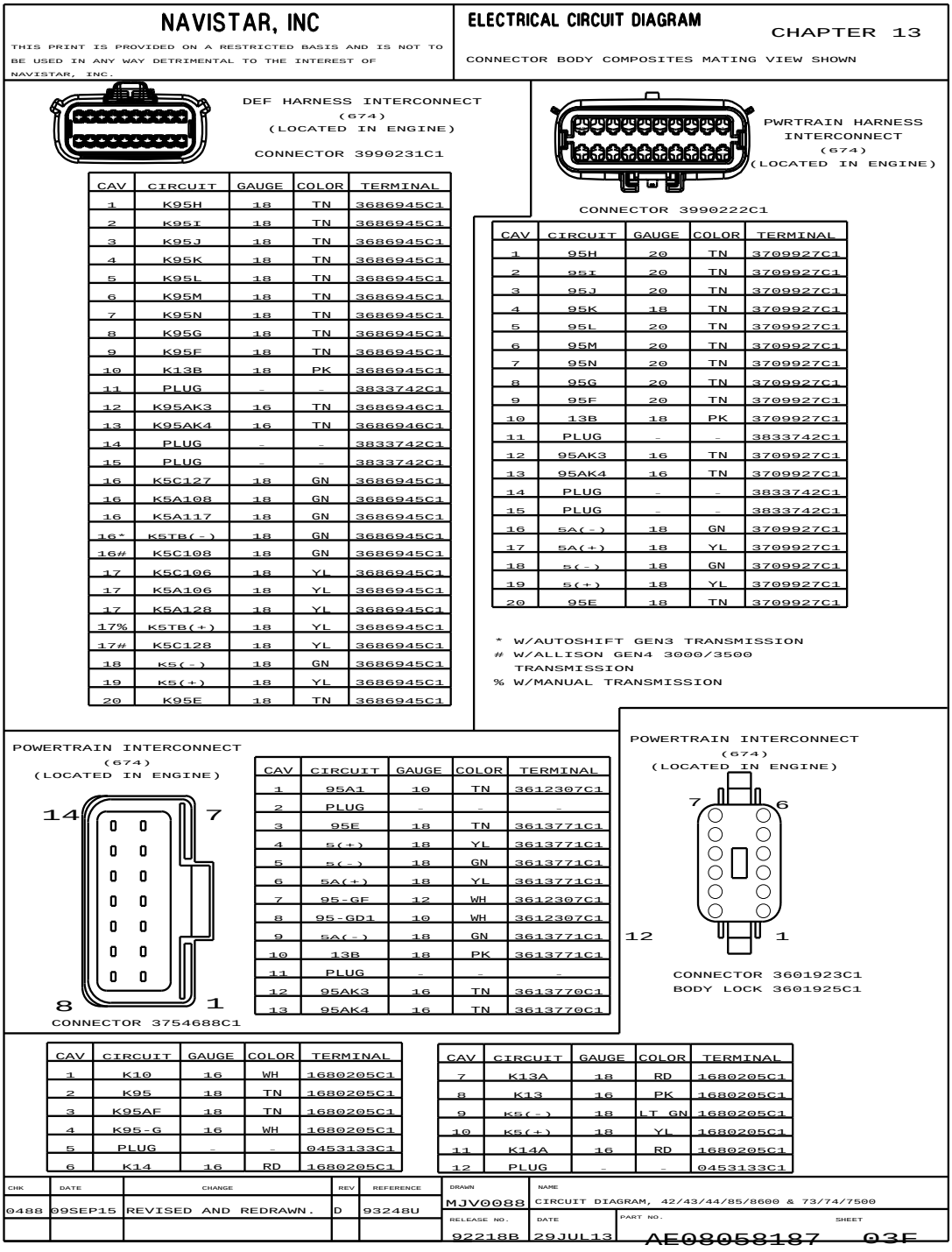
13.10. CONNECTOR COMPOSITES (674), P. 3F



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ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

DEF HARNESS INTERCONNECT (674) (LOCATED IN ENGINE)

CONNECTOR 3990231C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K95H	18	TN	3686945C1
2	K95I	18	TN	3686945C1
3	K95J	18	TN	3686945C1
4	K95K	18	TN	3686945C1
5	K95L	18	TN	3686945C1
6	K95M	18	TN	3686945C1
7	K95N	18	TN	3686945C1
8	K95G	18	TN	3686945C1
9	K95F	18	TN	3686945C1
10	K13B	18	PK	3686945C1
11	PLUG	-	-	3833742C1
12	K95AK3	16	TN	3686946C1
13	K95AK4	16	TN	3686946C1
14	PLUG	-	-	3833742C1
15	PLUG	-	-	3833742C1
16	K5C127	18	GN	3686945C1
16	K5A108	18	GN	3686945C1
16	K5A117	18	GN	3686945C1
16*	K5IB(-)	18	GN	3686945C1
16#	K5C108	18	GN	3686945C1
17	K5C106	18	YL	3686945C1
17	K5A106	18	YL	3686945C1
17	K5A128	18	YL	3686945C1
17%	K5IB(+)	18	YL	3686945C1
17#	K5C128	18	YL	3686945C1
18	K5(-)	18	GN	3686945C1
19	K5(+)	18	YL	3686945C1
20	K95E	18	TN	3686945C1

PWRTRAIN HARNESS INTERCONNECT (674) (LOCATED IN ENGINE)

CONNECTOR 3990222C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	95H	20	TN	3709927C1
2	95I	20	TN	3709927C1
3	95J	20	TN	3709927C1
4	95K	18	TN	3709927C1
5	95L	20	TN	3709927C1
6	95M	20	TN	3709927C1
7	95N	20	TN	3709927C1
8	95G	20	TN	3709927C1
9	95F	20	TN	3709927C1
10	13B	18	PK	3709927C1
11	PLUG	-	-	3833742C1
12	95AK3	16	TN	3709927C1
13	95AK4	16	TN	3709927C1
14	PLUG	-	-	3833742C1
15	PLUG	-	-	3833742C1
16	5A(-)	18	GN	3709927C1
17	5A(+)	18	YL	3709927C1
18	5(-)	18	GN	3709927C1
19	5(+)	18	YL	3709927C1
20	95E	18	TN	3709927C1

* W/AUTOSHIFT GEN3 TRANSMISSION
\# W/ALLISON GEN4 3000/3500 TRANSMISSION
% W/MANUAL TRANSMISSION

POWERTRAIN INTERCONNECT (674) (LOCATED IN ENGINE)

14 7 8 1

CONNECTOR 3754688C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	95A1	10	TN	3612307C1
2	PLUG	-	-	-
3	95E	18	TN	3613771C1
4	5(+)	18	YL	3613771C1
5	5(-)	18	GN	3613771C1
6	5A(+)	18	YL	3613771C1
7	95-GF	12	WH	3612307C1
8	95-GD1	10	WH	3612307C1
9	5A(-)	18	GN	3613771C1
10	13B	18	PK	3613771C1
11	PLUG	-	-	-
12	95AK3	16	TN	3613770C1
13	95AK4	16	TN	3613770C1

POWERTRAIN INTERCONNECT (674) (LOCATED IN ENGINE)

7 6 12 1

CONNECTOR 3601923C1
BODY LOCK 3601925C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K10	16	WH	1680205C1
2	K95	18	TN	1680205C1
3	K95AF	18	TN	1680205C1
4	K95-G	16	WH	1680205C1
5	PLUG	-	-	0453133C1
6	K14	16	RD	1680205C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
7	K13A	18	RD	1680205C1
8	K13	16	PK	1680205C1
9	K5(-)	18	LT GN	1680205C1
10	K5(+)	18	YL	1680205C1
11	K14A	16	RD	1680205C1
12	PLUG	-	-	0453133C1

CHK	DATE	CHANGE	REV.	REFERENCE
0488	09SEP15	REVISED AND REDRAWN.	D	93248U

DRAWN: MJV0088 — NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO.: 92218B — DATE: 29JUL13 — PART NO.: AE08058187 — SHEET: 03F

Figure 527 Connector Composites (674)

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13.11. CONNECTOR COMPOSITES (674), (675), (676), (677), (678), P. 3G

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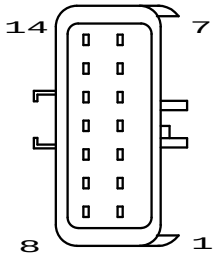
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

AFTERTREATMENT INTERCONNECT
(674)
(LOCATED IN ENGINE)



CONNECTOR 3754687C1

* J1939 BACKBONE W/LOW/MID/HIGH CAB
\# W/EATON AUTOSHIFT 3 W/MID/HIGH CAB

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K95AK1	12	TN	3612308C1
2	PLUG	-	-	3573076C1
3	K95E	18	TN	3618272C1
4	K5(+)	18	YL	3618272C1
5	K5(-)	18	GN	3618272C1
6*	K5C(+)	18	YL	3618272C1
6#	K5D(+)	18	YL	3618272C1
7	K95-GF	12	TN	3612308C1
8	K95-G	10	TN	3612308C1
9*	K5C(-)	18	GN	3618272C1
9#	K5D(-)	18	GN	3618272C1
10	K97AT	18	PL	3618272C1
10	K97AT	18	PL	3618272C1
11	PLUG	-	-	3573076C1
12	K95AK3	16	TN	3618273C1
13	K95AK4	16	TN	3618273C1
14	PLUG	-	-	3573076C1

BACKFLOW HEATER LINE
(675)
(LOCATED IN ENGINE)

CONNECTOR 3854665C91

* W/ WORKSTAR,W/ TRANSTAR
\# W/ DURASTAR
% W/WORKSTAR AND DURASTAR,I6,2010 SCR ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	95AC	18	TN	1680205C1
1%	95AG	16	TN	1680205C1
1#	95AA	16	TN	1680205C1
2*	95AG	16	TN	1680205C1
2%	95AC	18	TN	1680205C1
2#	95-GA	16	TN	1680205C1

PRESSURE HEATER LINE
(676)
(LOCATED IN ENGINE)

CONNECTOR 3854666C91

* W/ WORKSTAR,W/ TRANSTAR
\# W/ DURASTAR
% W/WORKSTAR AND DURASTAR,I6,2010,SCR ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	95AD	18	TN	1680205C1
1%	95AH	16	TN	1680205C1
1#	95BA	16	TN	1680205C1
2*	95AH	16	TN	1680205C1
2%	95AD	18	TN	1680205C1
2#	95-GB	16	TN	1680205C1

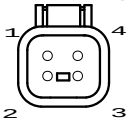
SUCTION HEATER LINE
(677)
(LOCATED IN ENGINE)

CONNECTOR 3854645C91

* W/ WORKSTAR, W/ TRANSTAR
\# W/ DURASTAR
% W/WORKSTAR AND DURASTAR,
I6 2010 SCR ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	95AE	18	TN	1680205C1
1%	95AZ	16	TN	1680205C1
1#	95CA	16	TN	1680205C1
2*	95AI	16	TN	1680205C1
2%	95AE	18	TN	1680205C1
2#	95-GC	16	TN	1680205C1

TANK SENSOR TEMP/LEVEL
(678)
(LOCATED IN ENGINE)



CONNECTOR 3991593C1
BODY LOCK 3545579C1

* W/ WORKSTAR,W/ TRANSTAR &
DURASTAR
\# W/ DURASTAR
% W/WORKSTAR AND DURASTAR

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	5BA(-)	18	GN	3572625C1
1#	5A(-)	18	GN	3572625C1
2*	5BA(+)	18	YL	3572625C1
2#	5A(+)	18	YL	3572625C1
3*	95-GD	16	TN	3572625C1
3%	95-GD	16	WH	3572625C1
3#	10B	18	WH	3572625C1
4*	95EA	16	TN	3572625C1
4#	13A	18	PK	3572625C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	REVISED AND REDRAWN.	C	92603H

DRAWN MJV0088 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92218B | DATE 29JUL13 | PART NO. AE08058187 | SHEET 03G

Figure 528 Connector Composites (674), (675), (676), (677), (678)

https://truckmanualshub.com/

13.12. CONNECTOR COMPOSITES (679), P. 3H

NAVISTAR, INC

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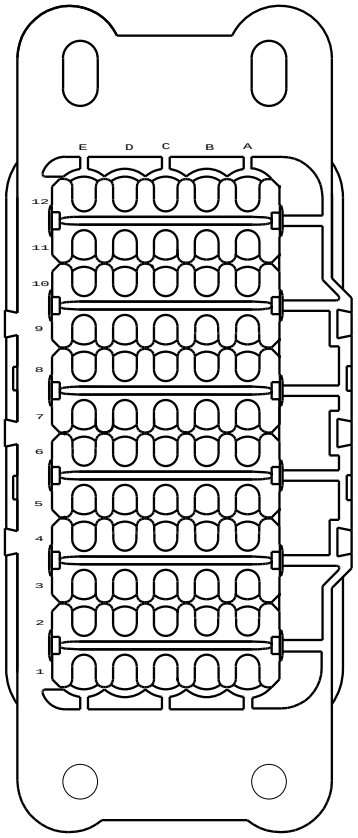
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

AFTERTREATMENT PDM
(679)
(LOCATED IN ENGINE)



CONNECTOR 3765646C91

W/CUMMINS ISB ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A1	95TA	16	TN	2033819C1	1652325C1
A3	95RA	16	TN	2033819C1	1652325C1
A4	95TB	16	TN	2033819C1	1652325C1
A6	95RB	16	TN	2033819C1	1652325C1
A7	95TC	16	TN	2033819C1	1652325C1
A9	95RC	16	TN	2033819C1	1652325C1
A10	95PB	16	TN	2033819C1	1652325C1
A12	95PA	16	TN	2033819C1	1652325C1
B1	95-GBA	16	TN	2033819C1	1652325C1
B3	95AB	16	TN	2033819C1	1652325C1
B4	95-GBB	16	TN	2033819C1	1652325C1
B6	95BB	16	TN	2033819C1	1652325C1
B7	95-GBC	16	TN	2033819C1	1652325C1
B9	95CB	16	TN	2033819C1	1652325C1
B10	95-GAD	16	TN	2033819C1	1652325C1
B12	95N	18	TN	2033819C1	3517771C1
D10	14C	16	RD	2033819C1	1652325C1
D12	10C	16	WH	2033819C1	1652325C1
E1	95S	16	TN	2033819C1	1652325C1
E2	14F	16	RD	2033819C1	1652325C1
E3	95P	16	TN	2033819C1	1652325C1
E4	14B	16	RD	2033819C1	1652325C1
E5	13B	16	PK	2033819C1	1652325C1
E6	14E	16	RD	2033819C1	1652325C1
E10	13C	16	PK	2033819C1	1652325C1
E12	14E	16	RD	2033819C1	1652325C1

W/2010-SCR-I6 ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	95AU	10	TN	1687847C1
A3	95AT	20	TN	2033819C1
A4	PLUG	-	-	0587579C1
A6	PLUG	-	-	0587579C1
A7	PLUG	-	-	0587579C1
A9	PLUG	-	-	0587579C1
A10	95AV	10	TN	1687847C1
A12	95AS	18	TN	2033819C1
B1	95AY	20	TN	2033819C1
B3	95AF	16	TN	2033819C1
B4	PLUG	-	-	0587579C1
B6	PLUG	-	-	0587579C1
B7	PLUG	-	-	0587579C1
B9	PLUG	-	-	0587579C1
B10	95AX	20	TN	2033819C1
B12	95AL	16	TN	2033819C1
D10	95DA	18	TN	2033819C1
D12	13BB	18	PK	2033819C1
E1	95AU	10	TN	1687847C1
E2	95DB	14	TN	2033816C1
E3	95AV	10	TN	1687847C1
E4	95DC	14	TN	2033816C1
E5	95EC	12	TN	2033816C1
E6	95AW	12	TN	2033816C1
E10	95-GC	18	WH	2033819C1
E12	95AW	12	TN	2033816C1

CHK	DATE	CHANGE	REV.	REFERENCE
MJV0[illegible]	[illegible]MAR16	REVISED AND REDRAWN.	D	93408J

DRAWN MJV0195 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 92218B | DATE 29JUL13 | PART NO. AE08058187 | SHEET 03H

Figure 529 Connector Composites (679)

https://truckmanualshub.com/

13.13. CONNECTOR COMPOSITES (679), P. 3I

NAVISTAR, INC

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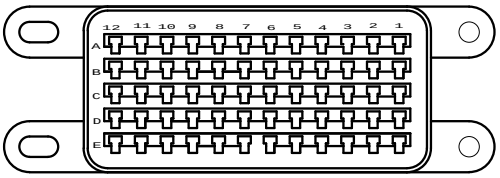
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

AFTERTREATMENT PDM
(679)
(LOCATED IN ENGINE)



CONNECTOR 6114508C1
BODY LOCK 6114510C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A1	95AU	10	TN	1687847C1	0589390C1
A2	95AT	20	TN	2033819C1	3517771C1
A3	95AV	10	TN	1687847C1	0589390C1
A4	95AS	18	TN	2033819C1	3517771C1
A5	95DA	10	TN	1687847C1	0589390C1
A6	13BB	18	PK	2033819C1	3517771C1
A7	PLUG	-	-	0587579C1	-
A8	PLUG	-	-	0587579C1	-
A9	PLUG	-	-	0587579C1	-
A10	PLUG	-	-	0587579C1	-
A11	PLUG	-	-	0587579C1	-
A12	PLUG	-	-	0587579C1	-
B1	95AY	20	TN	2033819C1	3517771C1
B2	95AF	16	TN	2033819C1	1652325C1
B3	95AX	20	TN	2033819C1	3517771C1
B4	95AL	16	TN	2033819C1	1652325C1
B5	95-GC	18	TN	2033819C1	3517771C1
B6	95AW	12	TN	2033816C1	0589391C1
B7	PLUG	-	-	0587579C1	-
B8	PLUG	-	-	0587579C1	-
B9	PLUG	-	-	0587579C1	-
B10	PLUG	-	-	0587579C1	-
B11	PLUG	-	-	0587579C1	-
B12	PLUG	-	-	0587579C1	-
C1	95AU	10	TN	1687847C1	0589390C1
C2	95DB	10	TN	1687847C1	0589390C1
C3	95AV	10	TN	1687847C1	0589390C1
C4	95DC	10	TN	1687847C1	0589390C1
C5	95EC	12	TN	2033816C1	0589391C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
C6	95AW	12	TN	2033816C1	0589391C1
C7	PLUG	-	-	0587579C1	-
C8	PLUG	-	-	0587579C1	-
C9	PLUG	-	-	0587579C1	-
C10	PLUG	-	-	0587579C1	-
C11	PLUG	-	-	0587579C1	-
C12	PLUG	-	-	0587579C1	-
D1	PLUG	-	-	0587579C1	-
D2	PLUG	-	-	0587579C1	-
D3	PLUG	-	-	0587579C1	-
D4	PLUG	-	-	0587579C1	-
D5	PLUG	-	-	0587579C1	-
D6	PLUG	-	-	0587579C1	-
D7	PLUG	-	-	0587579C1	-
D8	PLUG	-	-	0587579C1	-
D9	PLUG	-	-	0587579C1	-
D10	PLUG	-	-	0587579C1	-
D11	PLUG	-	-	0587579C1	-
D12	PLUG	-	-	0587579C1	-
E1	PLUG	-	-	0587579C1	-
E2	PLUG	-	-	0587579C1	-
E3	PLUG	-	-	0587579C1	-
E4	PLUG	-	-	0587579C1	-
E5	PLUG	-	-	0587579C1	-
E6	PLUG	-	-	0587579C1	-
E7	PLUG	-	-	0587579C1	-
E8	PLUG	-	-	0587579C1	-
E9	PLUG	-	-	0587579C1	-
E10	PLUG	-	-	0587579C1	-
E11	PLUG	-	-	0587579C1	-
E12	PLUG	-	-	0587579C1	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	UPDATED TITLE	C	92603H	MJV0195	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	DESCRIPTION.				RELEASE NO. 92218B	DATE 29JUL13 — PART NO. AE08058187 — SHEET 03I

Figure 530 Connector Composites (679)

https://truckmanualshub.com/

13.14. CONNECTOR COMPOSITES (679), P. 3J

NAVISTAR, INC

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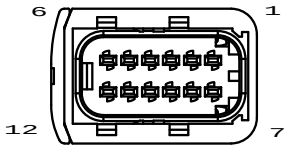
ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

AFTERTREATMENT PDM
(679)
(LOCATED IN ENGINE)



CONNECTOR 3754414C92

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A1	95AU	10	TN	1687847C1	0589390C1
A2	95AT	20	TN	2033819C1	3517771C1
A3	95AV	10	TN	1687847C1	0589390C1
A4	95AS	18	TN	2033819C1	3517771C1
A5	95DA	18	TN	2033819C1	3517771C1
A6	13BB	18	PK	2033819C1	3517771C1
B1	95AY	20	TN	2033819C1	3517771C1
B2	95AF	16	TN	2033819C1	1652325C1
B3	95AX	20	TN	2033819C1	3517771C1
B4	95AL	16	TN	2033819C1	1652325C1
B5	95-GC	18	WH	2033819C1	3517771C1
B6	95AW	12	TN	2033816C1	0589391C1
C1	95AU	10	TN	1687847C1	0589390C1
C2	95DB	18	TN	2033819C1	3517771C1
C3	95AV	10	TN	1687847C1	0589390C1
C4	95DC	18	TN	2033819C1	3517771C1
C5	95EC	12	TN	2033816C1	0589391C1
C6	95AW	12	TN	2033816C1	0589391C1

CHK	DATE	CHANGE	REV.	REFERENCE
0488	25JUN14	ADDED R/D 679.MVD R/D	C	92603H
	680,6814685 ON SHEET 03K.			

DRAWN: MJV0195
NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO.: 92218B
DATE: 29JUL13
PART NO.: AE08058187
SHEET: 03J

Figure 531 Connector Composites (679)

https://truckmanualshub.com/

13.15. CONNECTOR COMPOSITES (680), (681), (685), P. 3K

NAVISTAR, INC

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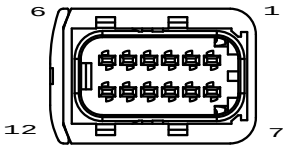
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

DEF PUMP
(680)
(LOCATED IN ENGINE)



CONNECTOR 3850730C1

* W/ TRANSTAR AND W/ WORKSTAR & W/DURASTAR
\# W/ DURASTAR
% W/WORKSTAR AND W/DURASTAR

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	PLUG	-	-	3577744C1	-
2*	95U	20	TN	3989902C1	3922307C1
2#	95J	16	TN	3712037C1	3573653C1
3*	95V	20	TN	3989902C1	3922307C1
3#	95K	16	TN	3712037C1	3573653C1
4*	95W	20	TN	3989902C1	3922307C1
4#	95H	16	TN	3712037C1	3573653C1
5*	95AL	16	TN	3712037C1	3573653C1
5#	95N	16	TN	3712037C1	3573653C1
6*	95-GB	16	TN	3712037C1	3573653C1
6%	95-GB	16	WH	3712037C1	3573653C1
6#	10A	16	WH	3712037C1	3573653C1
7	PLUG	-	-	3577744C1	-
8*	95X	18	TN	3989902C1	3573653C1
8#	95L	16	TN	3712037C1	3573653C1
9*	95Y	18	TN	3989902C1	3573653C1
9#	95D	16	TN	3712037C1	3573653C1
10*	95Z	20	TN	3989902C1	3922307C1
10#	95F	16	TN	3712037C1	3573653C1
11*	95AA	20	TN	3989902C1	3922307C1
11#	95G	16	TN	3712037C1	3573653C1
12*	95AB	20	TN	3989902C1	3922307C1
12#	95M	16	TN	3712037C1	3573653C1

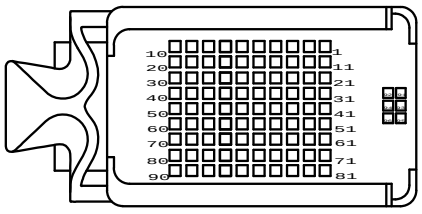
J1939 PUBLIC CAN TERM RESISTOR
(681)
(LOCATED IN ENGINE)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	5AB(-)	18	GN	1661875C1	3568570C1
A%	5AB(+)	18	YL	1661875C1	3568570C1
A#	5B(-)	18	GN	1661875C1	3568570C1
A&	5(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	2025431C1	-
C*	5AB(+)	18	YL	1661875C1	3568570C1
C%	5AB(-)	18	GN	1661875C1	3568570C1
C#	5B(+)	18	YL	1661875C1	3568570C1
C&	5(-)	18	GN	1661875C1	3568570C1

* W/ TRANSTAR AND W/ WORKSTAR
\# W/ DURASTAR
% W/WORKSTAR AND W/DURASTAR
& W/ACCELERATOR WIRING W/ ANALOG SENSOR

ACM J1
(685)
(LOCATED IN ENGINE)



CONNECTOR 6113090C1
BODY LOCK 374366 2C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3744547C1
2	PLUG	-	-	3744547C1
3	PLUG	-	-	3744547C1
4	95AE	18	TN	3743666C1
5	95G	20	TN	3743668C1
6	PLUG	-	-	3744547C1
7	95AY	20	TN	3743668C1
8	95AT	20	TN	3743668C1
9	PLUG	-	-	3744547C1
10	PLUG	-	-	3744547C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	24MAR15	ADDED CIRC 5(+)AND	D	92927M	MJV0195	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	5(-) IN	R/D 681.			RELEASE NO. 92218B	DATE 29JUL13

PART NO. AE08058187 SHEET 03K

Figure 532 Connector Composites (680), (681), (685)

https://truckmanualshub.com/

13.16. CONNECTOR COMPOSITES (685), P. 3L

NAVISTAR, INC

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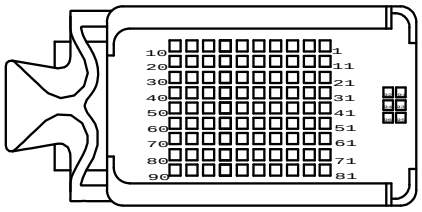
ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CHART CONTINUE FROM SHEET 03J

ACM J1
(685)
(LOCATED IN ENGINE)



CONNECTOR 6113090C1
BODY LOCK 3743662C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
11	PLUG	-	-	3744547C1
12	PLUG	-	-	3744547C1
13	PLUG	-	-	3744547C1
14	PLUG	-	-	3744547C1
15#	5AC(+)	20	YL	3743668C1
16#	5AC(-)	20	GN	3743668C1
17#	95W	20	TN	3743668C1
18	95M	20	TN	3743668C1
19	PLUG	-	-	3744547C1
20	PLUG	-	-	3744547C1
21	PLUG	-	-	37445474C1
22	PLUG	-	-	37445474C1
23	PLUG	-	-	37445474C1
24	PLUG	-	-	37445474C1
25	PLUG	-	-	37445474C1
26	PLUG	-	-	37445474C1
27	PLUG	-	-	37445474C1
28#	95AD	18	TN	3743666C1
29	95F	20	TN	3743668C1
30	PLUG	-	-	37445474C1
31	PLUG	-	-	37445474C1
32	95I	20	TN	3743668C1
33	PLUG	-	-	37445474C1
34	PLUG	-	-	37445474C1
35	PLUG	-	-	37445474C1
36	PLUG	-	-	37445474C1
37	PLUG	-	-	37445474C1
38	PLUG	-	-	37445474C1
39	PLUG	-	-	37445474C1
40	PLUG	-	-	37445474C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
41	PLUG	-	-	3744547C1
42	95O	20	TN	3743668C1
42#	95EA	20	TN	3743668C1
42#	95NN	20	TN	3743668C1
43	PLUG	-	-	3744547C1
44	PLUG	-	-	3744547C1
45	PLUG	-	-	3744547C1
46	PLUG	-	-	3744547C1
47	PLUG	-	-	3744547C1
48	PLUG	-	-	3744547C1
49	PLUG	-	-	3744547C1
50	PLUG	-	-	3744547C1
51	PLUG	-	-	3744547C1
52#	95AC	18	TN	3743666C1
53#	95T	20	TN	3743668C1
54	PLUG	-	-	3744547C1
55#	95AK	20	TN	3743668C1
56#	95AA	20	TN	3743668C1
57	PLUG	-	-	3744547C1
58	PLUG	-	-	3744547C1
59	PLUG	-	-	3744547C1
60	PLUG	-	-	3744547C1
61	PLUG	-	-	3744547C1
62	PLUG	-	-	3744547C1
63#	95AX	20	TN	3743668C1
64	PLUG	-	-	3744547C1
65	PLUG	-	-	3744547C1
66	PLUG	-	-	3744547C1
67	PLUG	-	-	3744547C1
68	PLUG	-	-	3744547C1
69	PLUG	-	-	3744547C1
70#	95P	20	TN	3743668C1
71	PLUG	-	-	3744547C1
72	95L	20	TN	3743668C1
73	PLUG	-	-	3744547C1
74	PLUG	-	-	3744547C1
75	PLUG	-	-	3744547C1
76	PLUG	-	-	3744547C1
77#	95S	20	TN	3743668C1
78	PLUG	-	-	3744547C1
79	95H	20	TN	3743668C1
80	PLUG	-	-	3744547C1
81	PLUG	-	-	3744547C1
82	PLUG	-	-	3744547C1
83	PLUG	-	-	3744547C1
84	PLUG	-	-	3744547C1
85	PLUG	-	-	3744547C1
86	PLUG	-	-	3744547C1
87	PLUG	-	-	3744547C1
88	PLUG	-	-	3744547C1
89	95N	20	TN	3743668C1
90	PLUG	-	-	3744547C1

W/DURASTAR W/WORKSTAR,I6 2010 SCR ENGINE.

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	INITIAL RELEASE.	A	92603H

DRAWN MJV0370 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 92603H | DATE 16APR14 | PART NO. AE08058187 | SHEET 03L

Figure 533 Connector Composites (685)

https://truckmanualshub.com/

13.17. CONNECTOR COMPOSITES (686), P. 3M

NAVISTAR, INC

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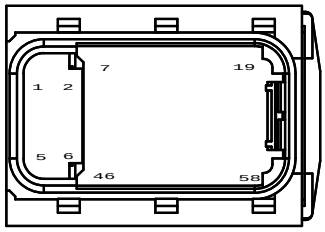
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ACM J2
(686)
(LOCATED IN ENGINE)



CONNECTOR 6113125C1
BODY LOCK 3752515C1

* MUTUALLY EXCLUSIVE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	PLUG	-	-	3744547C1	-
2	95X	18	TN	3752551C1	3752554C1
3	95AK3A	14	TN	3752552C1	3752555C1
4	95-G	14	TN	3752552C1	3752555C1
5	95AK4A	14	TN	3752552C1	3752555C1
6	95-GA	14	TN	3752552C1	3752555C1
7	95K	18	TN	3743666C1	N/A
8	PLUG	-	-	3744547C1	-
9	PLUG	-	-	3744547C1	-
10	PLUG	-	-	3744547C1	-
11	PLUG	-	-	3744547C1	-
12	PLUG	-	-	3744547C1	-
13	PLUG	-	-	3744547C1	-
14	5BB(+)	20	YL	3743668C1	N/A
15	5BB(-)	20	GN	3743668C1	N/A
16	PLUG	-	-	3744547C1	-
17	PLUG	-	-	3744547C1	-
18	PLUG	-	-	3744547C1	-
19	PLUG	-	-	3744547C1	-

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
20	PLUG	-	-	3744547C1	-
21	95J	20	TN	3743668C1	N/A
22	PLUG	-	-	3744547C1	-
23	PLUG	-	-	3744547C1	-
24	PLUG	-	-	3744547C1	-
25	PLUG	-	-	3744547C1	-
26	PLUG	-	-	3744547C1	-
27	PLUG	-	-	3744547C1	-
28	PLUG	-	-	3744547C1	-
29	PLUG	-	-	3744547C1	-
30	PLUG	-	-	3744547C1	-
31	PLUG	-	-	3744547C1	-
32*	95RR	20	TN	3743668C1	N/A
32*	95EC	20	TN	3743668C1	
33	95AS	18	TN	3743666C1	N/A
34	95AB	20	TN	3743668C1	N/A
35	PLUG	-	-	3744547C1	-
36	PLUG	-	-	3744547C1	-
37	PLUG	-	-	3744547C1	-
38	PLUG	-	-	3744547C1	-
39	PLUG	-	-	3744547C1	-
40	PLUG	-	-	3744547C1	-
41	13BA	20	PK	3743668C1	N/A
42	95R	20	TN	3743668C1	N/A
43	PLUG	-	-	3744547C1	-
44	PLUG	-	-	3744547C1	-
45	95V	20	TN	3743668C1	N/A
46	95Y	18	TN	3743666C1	N/A
47	95AJ	20	TN	3743668C1	N/A
48	95Z	20	TN	3743668C1	N/A
49	PLUG	-	-	3744547C1	-
50	PLUG	-	-	3744547C1	-
51	PLUG	-	-	3744547C1	-
52	PLUG	-	-	3744547C1	-
53	PLUG	-	-	3744547C1	-
54	PLUG	-	-	3744547C1	-
55	PLUG	-	-	3744547C1	-
56	PLUG	-	-	3744547C1	-
57	95U	20	TN	3743668C1	N/A
58	PLUG	-	-	3744547C1	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	25JUN14	ADDED R/D 686.MVD	B	92603H	MJV0195	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	PREVIOUS	R/D'S.			RELEASE NO. 92218B	DATE 29JUL13 / PART NO. AE08058187 / SHEET 03M

Figure 534 Connector Composites (686)

https://truckmanualshub.com/

13.18. CONNECTOR COMPOSITES (687), P. 3N

NAVISTAR, INC

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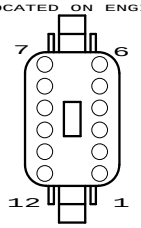
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

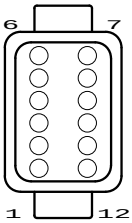
DEF TANK HARNESS INTERCONNECT 1
(687)
(LOCATED ON ENGINE)



CONNECTOR 3601923C1
BODY LOCK 3601925C1

CAV	CIRCUIT	GA	COLOR	TERMINAL
1	K95D	20	TN	3755839C1
2	K95E	20	TN	3755839C1
3	K95F	20	TN	3755839C1
4	K10-G3	16	BK	3572625C1
4	K10-G3	16	WH	3572625C1
5	K95G	20	TN	3755839C1
6	K95-GB	16	TN	3572625C1
7	K95H	18	TN	3572625C1
8	K6F	18	GY	3572625C1
8	K6E	18	PL	3572625C1
9	K95K	20	TN	3755839C1
10	K95A1	20	TN	3755839C1
11	K95M	16	TN	3572625C1
12	K95B	20	TN	3755839C1

DEF TANK HARNESS INTERCONNECT 1
(687)
(LOCATED ON ENGINE)

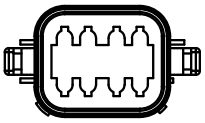


CONNECTOR 3755931C1
BODY LOCK 1689501C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	95D	16	TN	1651987C1
2	95E	18	TN	1651987C1
3	95F	16	TN	1651987C1
4	10-GC	16	WH	1651987C1
5	95G	16	TN	1651987C1
6	95-GBD	16	TN	1651987C1
7	95H	16	TN	1651987C1
8	95J	16	TN	1651987C1
9	95K	16	TN	1651987C1
10	95A	16	TN	1651987C1
11	95MA	16	TN	1651987C1
12	95B	16	TN	1651987C1

W/ DURASTAR

DEF HARNESS INTERCONNECT #1
(687)
(LOCATED IN ENGINE)



CONNECTOR 3755935C1
BODY LOCK 3755937C1

* MUTUALLY EXCLUSIVE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	95Y	18	TN	1680205C1
1*	95Y	18	TN	1651969C1
2*	95X	18	TN	1680205C1
2*	95X	18	TN	1651969C1
3*	95Z	20	TN	3757932C1
3*	95Z	20	TN	1651969C1
4*	95AT	20	TN	3757932C1
4*	95AT	20	TN	1651969C1
5*	95AA	20	TN	3757932C1
5*	95AA	20	TN	1651969C1
6*	95AB	20	TN	3757932C1
6*	95AB	20	TN	1651969C1
7*	95W	20	TN	3757932C1
7*	95W	20	TN	1651969C1
8*	95U	20	TN	3757932C1
8*	95U	20	TN	1651969C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	24MAR15	REVISED AND REDRAWN.	C	92927M	MJV0370	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92372W	DATE 13DEC13
					PART NO. AE08058187	SHEET 03N

Figure 535 Connector Composites (687)

https://truckmanualshub.com/

13.19. CONNECTOR COMPOSITES (687), (687A), (689), P. 3P

NAVISTAR, INC

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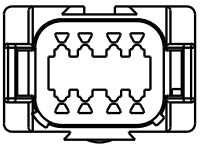
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

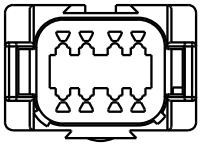
DEF HARNESS INTERCONNECT #1
(687)
(LOCATED IN ENGINE)



CONNECTOR 3755934C1
BODY LOCK 3534767C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	95Y	18	TN	1680206C1
2	95X	18	TN	1680206C1
3	95Z	20	TN	3754236C1
4	95AT	20	TN	3754236C1
5	95AA	20	TN	3754236C1
6	95AB	20	TN	3754236C1
7	95W	20	TN	3754236C1
8	95U	20	TN	3754236C1

DEF TANK HARNESS INTERCONNECT 1
(687A)
(LOCATED IN ENGINE)

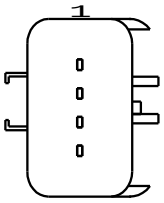


CONNECTOR 3755934C1
BODY LOCK 3534767C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	95C	16	TN	3572626C1
2	14F	16	RD	3572626C1
3	13D	16	PK	3572626C1
4	13C	16	PK	3572626C1
5	95-GAD	16	TN	3572626C1
6	5C(-)	18	GN	3572626C1
7	5C(+)	18	YL	3572626C1
8	14A	14	RD	3572626C1

W/ DURASTAR

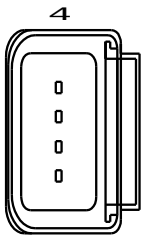
AFTERTREATMENT POWER & GROUND
(689)
(LOCATED IN ENGINE)



CONNECTOR 3754685C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	95A1	10	TN	3612308C1
2	95ED	12	TN	3612308C1
3	95-GG	12	WH	3612308C1

AFTERTREATMENT POWER & GROUND
(689)
(LOCATED IN ENGINE)



CONNECTOR 3754686C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	95A1	10	TN	3612307C1
2	95ED	12	TN	3612307C1
3	95-GJ	12	WH	3612307C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
MJV0428	18MAR16	REVISED AND REDRAWN.	B	93408J	MJV0370	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92372W	DATE 13DEC13
					PART NO. AE08058187	SHEET 03P

Figure 536 Connector Composites (687), (687A), (689)

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13.20. CONNECTOR COMPOSITES (690), P. 3Q

NAVISTAR, INC

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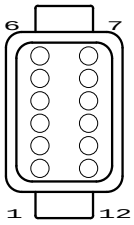
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

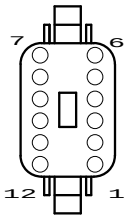
DEF HARNESS INTERCONNECT #2
(690)
(LOCATED IN ENGINE)



CONNECTOR 3755931C1
BODY LOCK 1689501C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	95V	20	TN	3754236C1
2	95AC	18	TN	1680206C1
3	95AS	18	TN	1680206C1
4	95AY	20	TN	3754236C1
5	95AD	18	TN	1680206C1
6	95AE	18	TN	1680206C1
7	95AX	20	TN	3754236C1
8	13BB	18	PK	1680206C1
9	5BA(-)	18	GN	1651968C1
10	5BA(+)	18	YL	1651968C1
11	PLUG	-	-	0453133C1
12	PLUG	-	-	0453133C1

DEF HARNESS INTERCONNECT #2
(690)
(LOCATED IN ENGINE)



CONNECTOR 3601923C1
BODY LOCK 3601925C1

* MUTUALLY EXCLUSIVE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	95V	20	TN	3757932C1
1*	95V	20	TN	1651969C1
2	95AC	18	TN	1680205C1
3	95AS	18	TN	1680205C1
4*	95AY	20	TN	3757932C1
4*	95AY	20	TN	1651969C1
5	95AD	18	TN	1680205C1
6	95AE	18	TN	1680205C1
7*	95AX	20	TN	3757932C1
7*	95AX	20	TN	1651969C1
8	13BB	18	PK	1680205C1
9*	5BA(-)	18	GN	1651969C1
9*	5BA(-)	18	GN	3572625C1
10*	5BA(+)	18	YL	1651969C1
10*	5BA(+)	18	YL	3572625C1
11	PLUG	-	-	0453133C1
12	PLUG	-	-	0453133C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	INITIAL RELEASE.	A	92603H

DRAWN: MJV0370 — NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO.: 92372W — DATE: 13DEC13 — PART NO.: AE08058187 — SHEET: 03Q

Figure 537 Connector Composites (690)

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13.21. CONNECTOR COMPOSITES (690), (691), (828), P. 3R

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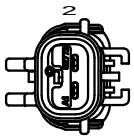
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

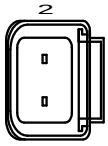
DEF HARNESS PWR & GND
(690)
(LOCATED IN ENGINE)



CONNECTOR 6105357C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K95AK1	12	TN	3612308C1
2	K95-G	10	TN	3612308C1

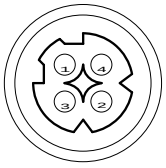
PWR TRAIN HARNESS PWR & GND
(690)
(LOCATED IN ENGINE)



CONNECTOR 6105358C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	95A1	10	TN	3612307C1
2	95-GD1	10	TN	3612307C1

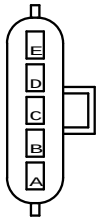
COOLANT VALVE
(691)
(LOCATED IN ENGINE)



CONNECTOR 3714731C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	95AJ	20	TN	3601686C1	3733609C1
2	PLUG	-	-	3532129C1	-
3	PLUG	-	-	3532129C1	-
4	95AK	20	TN	3601686C1	3733609C1

RIGHT TAIL LIGHT CONN
(828)

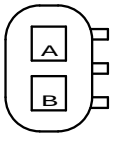


CONNECTOR 1661375C2
BODY LOCK 1661376C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	RD	14	RD	2033816C1	0589391C1
B	PLUG	-	-	0587579C1	-
C	PLUG	-	-	0587579C1	-
D	PLUG	-	-	0587579C1	-
E	WH	14	WH	2033816C1	0589391C1

W/ DURASTAR

BACK-UP LIGHT CONN
(828)



CONNECTOR 1671611C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	RD	14	RD	2033912C1	0589391C1
B	WH	14	WH	2033912C1	0589391C1

W/ DURASTAR

CHK	DATE	CHANGE	REV	REFERENCE
-	-	INITIAL RELEASE.	A	92603H

DRAWN: MJV0370
NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO.: 92372W
DATE: 13DEC13
PART NO.: AE08058187
SHEET: 03R

Figure 538 Connector Composites (690), (691), (828)

https://truckmanualshub.com/

13.22. CONNECTOR COMPOSITES (827), (830M), P. 4

NAVISTAR, INC

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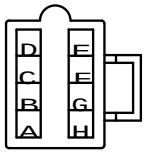
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

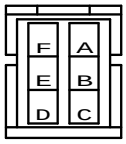
ROCKWELL TRIPMASTER DATA MAX II (827)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 2005836C1
BODY LOCK 2006504C1

CAV	CIRC	GAUGE	COLOR	TERMINAL
A	A14SD	18	RD	1661212C1
B	A13SD	18	PK	1661212C1
C	A11-GSD	18	WH	1661212C1
D	A3AC(+)	18	DKBL	1661212C1
E	A3AC(-)	18	GY	1661212C1
F	A50S	18	YL	1661212C1
G	A70EA	18	OR	1661212C1
H	-	-	-	-

CADEC GPS CONNECTOR (830M)
(LOCATED IN INSTRUMENT
PANEL RIGHT SIDE)



CONNECTOR 1661201C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A14CE	16	RD	1661212C1
B	A13CE	16	PK	1661212C1
C	A11-GBE	16	WH	1661212C1
D	A3CE(+)	18	DKBL	1661212C1
E	A3CE(-)	18	GY	1661212C1
F	-	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	CONN 830M: CAV C WAS	D	74736R	310702	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	A11CE-G,	RMVD CONN 1002.			RELEASE NO. 61229V	DATE 20APR09

PART NO. AE08058187 SHEET 004

Figure 539 Connector Composites (827), (830M)

https://truckmanualshub.com/

13.23. INTENTIONALLY LEFT BLANK, P. 5

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ELECTRICAL CIRCUIT DIAGRAM
CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

INTENTIONALLY
LEFT BLANK

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	13JUN11	REMOVED CONN 1003 &	E	74736R	310702	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	1006.				RELEASE NO. 61229V	DATE 20APR09 / PART NO. AE08058187 / SHEET 005

Figure 540 Intentionally Left Blank

https://truckmanualshub.com/

13.24. CONNECTOR COMPOSITES (1004), (1007M), (1008FA), (1009F), P. 6

NAVISTAR, INC

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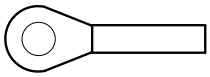
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

NEG STUD
(1004)
(LOCATED NEAR INSTRUMENT PANEL)



TERMINAL 3549254C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A	A40-G	18	GY	3549254C1	2644005R1

LATCHING RELAY
(1007M)
(LOCATED AT BELOW DASH BOARD ON ENGINE COVER)

CONNECTOR 1661889C1
BODY LOCK 1661890C1

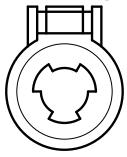
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A14LB	18	RD	1661261C1
B	A14-GAC	18	WH	1661261C1
C	A14LA	18	RD	1661261C1

LOAD SHEDDING B2 STUD
(1008FA)
(LOCATED NEAR DASH PANEL)

CONNECTOR 2007311C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A14X	6	RD	1621478C1

LOAD SHEDDING B1 STUD
(1009F)
(LOCATED NEAR DASH PANEL)



CONNECTOR 2007312C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A14Y	6	RD	1621479C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	20NOV14	ADDED R/D 1004.	G	92674A

DRAWN 310702
NAME CIRCUIT DIAGRAM, 42/42/44/85/8600 & 73/74/7500
RELEASE NO. 20APR09
DATE 61229V
PART NO. AE08058187
SHEET 006

Figure 541 Connector Composites (1004), (1007M), (1008FA), (1009F)

https://truckmanualshub.com/

13.25. CONNECTOR COMPOSITES (1010), P. 7

NAVISTAR, INC

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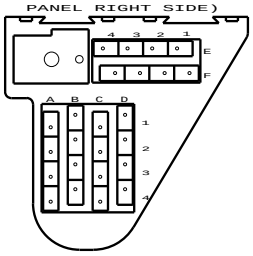
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

FUSEBLOCK #1
(1010)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3599539C1
BODY LOCK 3599541C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	-	-	-	-
A2	-	-	-	-
A3*	A17EB	16	PK	3573312C1
A3*	A104CC	18	DKBL	3573312C1
A3*	A92#141	18	TN	3534164C1
A3*	A17R	18	PK	3573312C1
A3*	A92#141	18	TN	3573312C1
A3*	A17QR	18	PK	3534164C1
A3*	A17QR	18	PK	3573312C1
A3*	A17D	18	PK	3534164C1
A3*	A17L	18	PK	3534164C1
A3*	A17A	18	PK	3515517C1
A3*	A17A	16	PK	3573312C1
A3*	A17A	18	PK	3534164C1
A3#	A17B	18	PK	3599539C1
A3%	A17-G	18	WH	3534164C1
A3%%	A17B	18	PK	3534164C1
A3&	A17K	18	PK	3534164C1
A3&&	A17-GAE	18	WH	3534164C1
A3**	A17-GB	18	WH	3534164C1
A4*	A17J	18	PK	3573312C1
A4*	A17A	18	PK	3573312C1
A4*	A17A	16	PK	3573311C1
A4*	A17H	16	PK	3573311C1
A4*	A104CC	18	DKBL	3573312C1
A4*	A17	18	PK	3573312C1
A4*	A17BA	16	PK	3573312C1
A4#	A17A	18	PK	3515897C1
A4#	A17B	18	PK	3515897C1
A4*	A17H	18	PK	3573312C1
A4*	A17B	18	PK	3534164C1
A4*	A17D	18	PK	3573312C1
A4*	A17	18	PK	3534164C1
A4%	A17A	18	PK	3534164C1
A4%%	A17B	18	PK	3573312C1
A4%%%	A17H	16	PK	3573312C1
B1	-	-	-	-
B2	-	-	-	-
B3#	A17C	18	PK	3534164C1
B3%	A17B	18	PK	3534164C1
B3*	A17M	18	PK	3534164C1

* MUTUALLY EXCLUSIVE
\# STRTR CNTL,CUMMINS ISB W/MANUAL XMSN
% STRTR CNTL,CUMMINS ISB W/ALLISION XMSN
%% STARTER CNTL,CUMMINS ISB W/MANUAL XMSN
%%% STARTER CONT,I6 ENG W/CTR PANEL CONT W/UTILITY BODY
** STARTER CONTROL W/ISB, W/ALLISON XMSN, N/AUTO NEUTRAL
*** W/LOAD DISCONNECT
&& STARTER CONTROL W/ISB, W/ALLISON XMSN,W/RMT START STOP W/AUTO NEUTRAL
& W/CUMMINS ISB, W/ALTRASHIFT
STARTER CONTROL W/ISB N/AUTO NEUTRAL, N/RMT START STOP
&* W/EATON PROCISION W/FUSE
@@ W/IGNITION FEED REMOTE START-STOP

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
B3*	A17A	18	PK	3534164C1
B3&&	A17H	18	PK	3534164C1
B3##	A17D	18	PK	3534164C1
B3*	A17E	18	PK	3534164C1
B3*	A17C	16	PK	3573311C1
B3*	A17J	16	PK	3573311C1
B3*	A17C	16	PK	3573312C1
B4*	A17K	18	PK	3534164C1
B4*	A17M	18	PK	3534164C1
B4*	A17-GAE	18	WH	3534164C1
B4#	A17-GB	18	WH	3534164C1
B4%	A17C	18	PK	3534164C1
B4&&	A17T	18	PK	3534164C1
B4##	A17E	18	PK	3534164C1
B4&	A17L	18	PK	3534164C1
B4*	A17T	18	PK	3534164C1
C1	A71C	18	OR	3534164C1
C1&*	A71C	18	WH	3534164C1
C2*	A71	16	OR	3573312C1
C2*	A71C	18	OR	3573312C1
C2&*	A71	18	OR	3534164C1
C3*	A12-GC	16	WH	3573312C1
C3*	A78BC	16	LTGN	3573312C1
C3*	A65AA	16	OR	3573312C1
C3*	A65	16	OR	3573312C1
C4*	A65AB	16	OR	3573312C1
C4*	A12Z	16	LTBL	3573312C1
C4*	A78	14	BK	3573312C1
D1*	A71AB	16	OR	3573312C1
D1&*	A71AB	18	OR	3534164C1
D2	A92#165	18	TN	3534164C1
D3*	A65AC	16	OR	3573312C1
D3*	A12U	16	LTBL	3573312C1
D3*	A78B	14	BK	3573312C1
D4*	A12Y	18	LTBL	3534164C1
D4*	A78-GBH	18	WH	3534164C1
D4*	A65-GCK	18	WH	3534164C1

CHART CONTINUE ON SHEET 07A

CHK	DATE	CHANGE	REV	REFERENCE
MJV04	18MAR16	REVISED AND REDRAWN.	L	93408J

DRAWN 310702 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V | DATE 20APR09 | PART NO. AE08058187 | SHEET 007

Figure 542 Connector Composites (1010)

https://truckmanualshub.com/

13.26. CONNECTOR COMPOSITES (1010), P. 7A

NAVISTAR, INC

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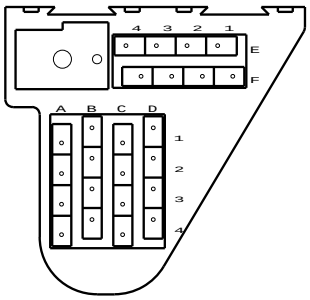
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CHART CONTINUE FROM SHEET 007

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
E1*	A13F	16	PK	3573312C1
E1*	A13F	18	PK	3573312C1
E1*	A13FN	18	PK	3573312C1
E1*	A13FN	18	PK	3573311C1
E1*	A13FAL	14	BN	3573311C1
E1@@	A13FX	12	PK	3573311C1
E2	A14JA	12	RD	3573311C1
E2***	A14CD	12	RD	3573311C1
E3*	A13FH	18	PK	3573312C1
E3*	A13FK	18	PK	3573312C1
E3@@	A13FHX	12	PK	3573311C1
E4	A70BD	14	RD	3573312C1
F1*	A97UA	16	PL	3573312C1
F1*	A97AA	16	PL	3573312C1
F1*	A97AA	18	PL	3515517C1
F1&	A97A	18	PK	3515517C1
F2	A75D	18	LTGN	3534164C1
F3*	A90E	18	GY	3534164C1
F3*	A40	18	GY	3573312C1
F3*	A90E	18	GY	3573312C1
F3*	A94V	14	GY	3573312C1
F3*	A94V	18	GY	3534164C1
F4	A39A	16	GY	3573312C1

FUSEBLOCK #1
(1010)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3599539C1
BODY LOCK 3599541C1

* MUTUALLY EXCLUSIVE
*** W/LOAD DISCONNECT
& W/CUMMINS ISB, W/ALTRASHIFT
@@ W/IGNITION FEED REMOTE

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F1-A	E1, F1	5/10	3534208C1/3534209C1	-	ENGINE CONTROL UNIT
F1-B	E2, F2	5	3534208C1	-	CAB HVAC CONTROL
F1-C	E3, F3	5	3534208C1	-	AIR ABS / HYD FPB-HBCU
F1-D	E4, F4	5	3534208C1	-	DRAIN VALVE (HALDEX) AUTOMATIC

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
A1, A2, B1, B2	3600330C1	NOT USABLE FOR RELAY
A3, A4, B3, B4	3600330C1	START RELAY
C1, C2, D1, D2	3600330C1	BACK-UP LAMP RELAY
C3, C4, D3, D4	3600330C1	AUX ROOF LOAD RELAY

CHK	DATE	CHANGE	REV.	REFERENCE	DRAWN	NAME
MJV04	16MAR16	REVISED AND REDRAWN.	B	93408J	310702	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 20APR09

PART NO. AE08058187 SHEET 07A

Figure 543 Connector Composites (1010)

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13.27. CONNECTOR COMPOSITES (1011), P. 8

NAVISTAR, INC

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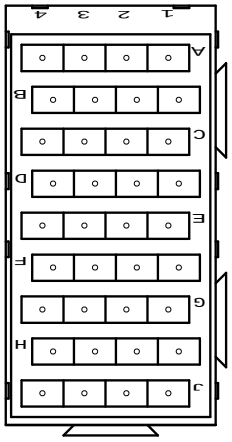
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

FUSEBLOCK #2
(1011)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3534572C1
BODY LOCK 3536085C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	A14MD	12	RD	3573311C1
A2	A12-GBK	18	WH	3534164C1
A3	A14JB	12	RD	3573311C1
A4*	A13-GBN	18	WH	3573312C1
A4*	A13-GFD	18	WH	3573312C1
B1	PLUG	-	-	-
B2	PLUG	-	-	-
B3	PLUG	-	-	-
B4	PLUG	-	-	-
C1*	A14JF	12	RD	3573311C1
C1*	A14JF	18	RD	3534164C1
C2*	A14MC	12	RD	3536299C1
C2*	A14TE	12	RD	3573311C1
C2#	A14CC	12	RD	3573311C1
C3	A14PA	12	RD	3573311C1
C4	A14TA	12	RD	3536299C1
C4#	A14BA	12	RD	3573311C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
D1	A86A	18	LTGN	3534164C1
D2*	A14ED	18	RD	3573311C1
D2*	A14T	14	RD	3516158C1
D2*	A14EA	16	RD	3515517C1
D2*	A14EA	16	RD	3573312C1
D2	A14EA	14	RD	3573311C1
D2*	A14SD	18	RD	3534164C1
D2*	A14AF	18	RD	3534164C1
D2*	A14AF	18	RD	3573312C1
D2*	A14AH	18	RD	3573312C1
D2*	A14CE	16	RD	3573312C1
D2*	A14ED	16	RD	3573312C1
D2*	A14EB	18	RD	3573312C1
D2*	A14FDT	14	RD	3516158C1
D3	A28	16	TN	3573312C1
D4*	A26D	18	TN	3534164C1
D4*	A78	16	LTGN	3573312C1
D4*	A78	14	BK	3573312C1
E1	(A56J)			3536301C1
E2*	(A14MC)			3536299C1
E2*	A14MC	12	RD	3573311C1
E2#	A14BB	12	RD	3573311C1
E3	(A57J)			3536301C1
E4*	(A14TA)			3536299C1
E4*	A14TA	12	RD	3573311C1
E4#	A14BC	12	RD	3573311C1
F1	A14JC	12	RD	3573311C1
F2	A84	16	LTGN	3573312C1
F3	A14JD	12	RD	3573311C1
F4	A63	18	DKBL	3534164C1
G1	(A56J)			3536301C1
G2	PLUG	-	-	-
G3	(A57J)			3536301C1
G4	PLUG	-	-	-
H1*	A56A	18	YL	3534164C1
H1*	A56C	18	OR	3534164C1
H1*	A56K	16	OR	3573312C1
H2*	A56B	16	YL	3573312C1
H2*	A56T	10	YL	3573311C1
H3*	A57A	18	LTGN	3534164C1
H3*	A57C	18	OR	3534164C1
H3*	A57K	16	OR	3573312C1
H4*	A57B	16	LTGN	3573312C1
H4*	A57T	10	LTGN	3573311C1

* MUTUALLY EXCLUSIVE
\# SPARE WIRING, W/ LOAD DISCONNECT

CHART CONTINUE ON SHEET 08A

CHK	DATE	CHANGE	REV	REFERENCE
0488	24MAR15	REVISED AND REDRAWN.	F	92927M

DRAWN 310702
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 20APR09
PART NO. AE08058187
SHEET 008

Figure 544 Connector Composites (1011)

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13.28. CONNECTOR COMPOSITES (1012), P. 9

NAVISTAR, INC

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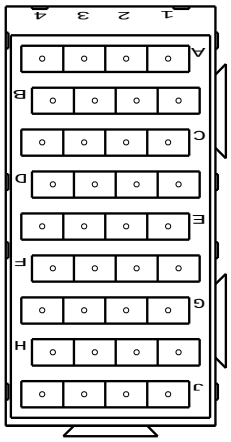
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

FUSEBLOCK #3
(1012)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3534572C1
BODY LOCK 3536085C1
BODY LOCK 3599541C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	A14NA	12	RD	3573311C1
A2*	A13-GFD	18	WH	3573312C1
A2*	A13-GFE	18	WH	3573312C1
A3*	A14NC	12	RD	3573311C1
A4*	A13-GFE	18	WH	3573312C1
A4*	A13-GFF	18	WH	3573312C1
B1	-	-	-	-
B2	-	-	-	-
B3	-	-	-	-
B4	-	-	-	-
C1*	A15	16	RD	3573312C1
C1*	A98H	18	BK	3573312C1
C1#	A15	18	RD	3573312C1
C2	(A68J)			3536299C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
C3*	A86PA	16	LTGN	3573312C1
C3*	A86N	14	LTGN	3573312C1
C3*	A86R	14	LTGN	3573312C1
C4*	(A54J)			3536299C1
C4*	A58J	18	WH	3515517C1
D1	A14PB	12	RD	3573311C1
D2	A14HB	12	RD	3573311C1
D3	A14ME	12	RD	3573311C1
D3&	A14BD	12	RD	3573311C1
D4	A14HA	12	RD	3573311C1
E1	A68C	18	BN	3534164C1
E2	(A68J)			3536299C1
E3*	A54C	18	BN	3534164C1
E3*	A58	18	BN	3534164C1
E4	(A54J)			3536299C1
E4*	A58J	18	WH	3515517C1
F1*	A68A	12	BN	3573311C1
F1*	A68T	10	BN	3573311C1
F1*	A68BB	14	BN	3573312C1
F2*	A68-GC	18	WH	3573312C1
F2*	A70-GT	18	WH	3573312C1
F3*	A54	12	BN	3573311C1
F3*	A54T	10	BN	3573311C1
F3*	A54BB	16	BN	3573312C1
F3*	A58BB	14	BN	3573312C1
F4*	A54-GC	18	WH	3573312C1
F4*	A68-GC	18	WH	3573312C1
F4*	A58-GC	18	WH	3534164C1
G1	A82M	16	GY	3573312C1
G2	A82E	16	GY	3573312C1
G3	A82N	16	GY	3573312C1
G4	A82K	16	GY	3573312C1
H1	-	-	-	-
H2	A82V	16	GY	3573312C1
H3	-	-	-	-
H4	A82L	16	GY	3573312C1
J1	A82P	16	GY	3573312C1
J2	A82F	18	GY	3534164C1
J3	A82P	16	GY	3573312C1
J4	A82H	18	GY	3534164C1

* MUTUALLY EXCLUSIVE

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F3-A	C1, D1	10	3534209C1	3536178C1	KEY SWITCH / DIAGNOSTIC
F3-B	C2, D2	20	3534211C1	3536180C1	TRAILER / BODY TAIL LIGHT
F3-C	C3, D3	20	3534211C1	3536179C1	AUXILIARY POWER SOURCES
F3-D	C4, D4	20	3534211C1	3536180C1	TRAILER / BODY MARKER LIGHT

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
A1, A2	3600329C1	IGNITION RELAY # 2 @
A3, A4	3600329C1	IGNITION RELAY # 3 @
E1, E2, F1, F2	3600330C1	TRAILER TAIL LIGHT RELAY
E3, E4, F3, F4	3600330C1	TRAILER MARKER LIGHT RELAY
G1, G2, H2, J1, J2	3519350C1	WIPER POWER RELAY
G3, G4, H4, J3, J4	3519350C1	WIPER HI / LO RELAY
		@ ALSO SEE CONNECTOR 1014

\# ACCESORY FEED - STANDARD
& W/ SPARE WIRING - LOAD DISCONNECT

CHK	DATE	CHANGE	REV	REFERENCE
MJV04	16MAR16	ADDED BODY LOCK	G	93408J
		NUMBER 3599541C1 TO R/D 1012.		

DRAWN 310702 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V | DATE 20APR09 | PART NO. AE08058187 | SHEET 009

Figure 545 Connector Composites (1012)

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13.29. CONNECTOR COMPOSITES (1013), P. 10

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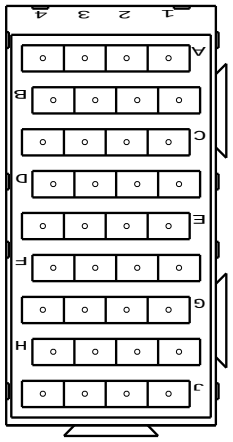
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

FUSEBLOCK #4
(1013)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3534572C1
BODY LOCK 3536085C1
BODY LOCK 3599541C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1*	A12B	18	LTBL	3515517C1
A1*	A12B	18	LTBL	3534164C1
A2	A12V	12	LTBL	3536306C1
A2&&	A148A	16	GY	3536306C1
A2&&	A12V	16	LTBL	3536306C1
A3	A13FC	12	PK	3536304C1
A3##	A13FC	12	PK	3536306C1
A4	A13FC	12	PK	3516158C1
B1	A12C	18	LTBL	3534164C1
B2	A12F	18	LTBL	3534164C1
B3*	A73A	18	LTGN	3573312C1
B3*	A28A	18	TN	3573312C1
B4	A13	16	PK	3573312C1
C1	A14TD	12	RD	3573311C1
C1&	A14AB	12	RD	3573311C1
C2	(A12V)			3536306C1
C3	(A13FC)			3536304C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
C4	(A13FC)			3536306C1
D1	A81A	12	LTGN	3573311C1
D2*	A86	18	LTGN	3573312C1
D2*	A86	20	LTGN	3573312C1
D2*	A86F	18	LTGN	3573312C1
D3	A13B	18	PK	3534164C1
D4*	A87KA	18	GY	3534164C1
D4*	A87MB	18	GY	3534164C1
E1	-	-	-	-
E2	(A12V)			3536306C1
E2	A12D	14	LTBL	3536306C1
E3	(A13FC)			3536304C1
E4	(A13FC)			3536306C1
E4##	A13FFX	12	PK	3536306C1
G1	A14TC	12	RD	3573311C1
G1&	A14AA	12	RD	3573311C1
G2	(A12V)			3536306C1
G3*	(A13FC)			3536304C1
G3*	A13FM	12	PK	3536304C1
G4	(A13FC)			3536306C1
H1	A81B	12	LTGN	3573311C1
H2	A78V	18	LTGN	3534164C1
H3*	A92A163	18	TN	3573312C1
H3*	A13A	16	PK	3573312C1
H3*	A13D	14	PK	3573312C1
H3*	A92#163	16	TN	3573312C1
H3*	A92FN	16	TN	3573312C1
H3*	A13D	16	PK	3573311C1
H3*	A92YD	16	TN	3573311C1
H3@@	A92#163	18	TN	3573312C1
H3**	A92#163	16	TN	3573311C1
H3**	A92A163	16	TN	3573311C1
H3%	A13D	18	TN	3573312C1
H4*	A97AA	16	PL	3573312C1
H4*	A97UA	16	PL	3573312C1
H4#	A19	16	GY	3573312C1
J1*	A12A	18	LTBL	3534164C1
J1*	A12A	18	LTBL	3573312C1
J1*	A12Q	18	LTBL	3573312C1
J1@	A12Q	18	LTBL	3534164C1
J2	(A12V)			3536306C1
J3*	A13FD	18	PK	3573312C1
J3*	A13FN	18	PK	3573312C1
J3##	A148A	18	GY	3534164C1
J4*	(A13FC)			3536306C1

\# FUEL WATER 1 SEP-HEATED ENGINE ISB
* MUTUALLY EXCLUSIVE
@ XMSN, 3000/4000 W/ FUSE MRD
@@ W/WTEC GENY XMSN W/FUSE W/CTR CONTROLS
** W/ALSN 1000/2000 XMSN, T-HANDLE
& W/ SPARE WIRING - LOAD DISCONNECT
&& ACCESSORY FEED-STANDARD W/ ALTEC
IGNITION FEED-REMOTE START STOP
% EATON PROCISION XMSN W/ PAWL W/ BRKR

CHK	DATE	CHANGE	REV	REFERENCE
MJV04	18MAR16	REVISED AND REDRAWN.	K	93408J

DRAWN 310702
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 21APR09
PART NO. AE08058187
SHEET 010

Figure 546 Connector Composites (1013)

https://truckmanualshub.com/

13.30. CONNECTOR COMPOSITES (1013), P. 10A

NAVISTAR, INC

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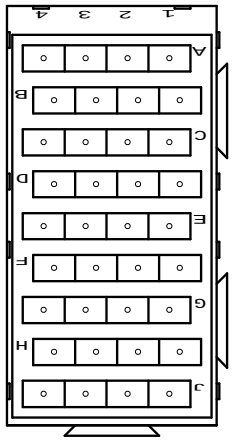
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

FUSEBLOCK #4
(1013)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3534572C1
BODY LOCK 3536085C1

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F4-A	G1, H1	30	3534213C1	3536182C1	POWER WINDOW / DOOR-DRIVER
F4-B	G2, H2	10	3534209C1	3536178C1	POWER MIRRORS
F4-C	G3, H3	10	3534209C1	3536178C1	TRANSMISSION CONTROL UNIT
F4-D	G4, H4	10	3534209C1	3536178C1	ENGINE CONTROL UNIT
F4-E	C1, D1	30	3534213C1	3536182C1	POWER WINDOW / DOOR PASSENGER
F4-F	C2, D2	10	3534209C1	3536178C1	CB RADIO / ENTERTAINMENT RADIO
F4-G	C3, D3	10	3534209C1	3536178C1	OPTIONAL WARNING LIGHTS
F4-H	C4, D4	10	3534209C1	3536178C1	WINDSHIELD WASHER PUMP
F4-J	A1, B1	5	3534208C1	-	BODY CONTROLLER
F4-K	A2, B2	10	3534209C1	3536178C1	SWITCH PACK
F4-L	A3, B3	10	3534209C1	3536178C1	CLUSTER / CAB HVAC CONTROLLER
F4-M	A4, B4	10	3534209C1	3536178C1	BODY CONTROLLER / CAB HVAC LPM

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
J1, J2	3600329C1	ACCESSORY RELAY # 1 @
J3, J4	3600329C1	IGNITION RELAY # 1 @
		@ ALSO SEE CONNECTOR 1011

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	25JUN14	INITIAL RELEASE.	A	92603H	310702	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 21APR09

PART NO. AE08058187 SHEET 10A

Figure 547 Connector Composites (1013)

https://truckmanualshub.com/

13.31. CONNECTOR COMPOSITES (1014), P. 11

NAVISTAR, INC

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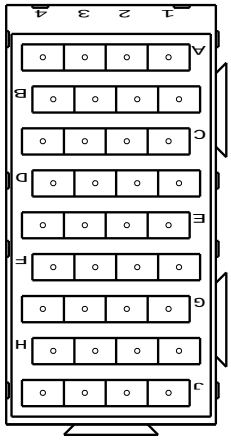
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

FUSEBLOCK #5
(1014)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3534572C1
BODY LOCK 3536085C1
BODY LOCK 3599541C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	A13FB	12	PK	3536304C1
A2	A13FB	12	PK	3536306C1
A3	A13FA	12	PK	3536304C1
A4	A13FA	12	PK	3536306C1
B1*	A13EE	18	PK	3515517C1
B1*	A13F	12	RD	3573311C1
B1*	A13SD	18	PK	3573312C1
B1*	A13FG	18	PK	3515517C1
B1*	A13FG	18	PK	3534164C1
B1*	A13CE	16	PK	3573312C1
B1*	A13EE	16	DKBL	3515517C1
B1*	A70DA	18	GY	3573312C1
B1@	A3EF	18	PK	3515517C1
B2*	A39	16	GY	3573311C1
B2*	A39A	16	GY	3573311C1
B2*	A39B	16	GY	3573312C1
B4&	A71	18	OR	3534572C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
C3	(A13FA)	-	-	3536304C1
C4	(A13FA)	-	-	3536306C1
D1*	A92J	18	TN	3515517C1
D1*	A17HB	18	PK	3534164C1
D1*	A17HB	16	PK	3573312C1
D1*	A13TC	16	PK	3515517C1
D1*	A116M	18	GY	3515517C1
D1%	A92J	18	TN	3534164C1
D2*	A67F	18	GY	3534164C1
D2*	A67A	16	PK	3573312C1
D2%	A13	14	PK	3573312C1
D3	A13B	16	PK	3573312C1
D4*	A13	16	PK	3573312C1
E1	(A13FB)	-	-	3536304C1
E2	(A13FB)	-	-	3536306C1
E2	A13FX	12	PK	3536306C1
E3*	(A13FA)	-	-	3536304C1
E3*	A13FR	12	PK	3536304C1
E4	(A13FA)	-	-	3536306C1
E4	A13FHX	12	PK	3536306C1
G1	(A13FB)	-	-	3536304C1
G1	A13FL	12	PK	3536304C1
G2	(A13FB)	-	-	3536306C1
G3	(A13FA)	-	-	3536304C1
G4	(A13FA)	-	-	3536306C1
H1*	A13H	12	RD	3573311C1
H1*	A13DA	18	PK	3515517C1
H1*	A13A	18	PK	3515517C1
H1*	A44Y	16	GY	3573312C1
H1*	A98M	18	BK	3515517C1
H1*	A44N	18	GY	3573312C1
H1#	A13DB	18	PK	3534164C1
H1&%	A13A	18	PK	3534164C1
H2*	A88V	18	LTGN	3534164C1
H2*	A13X	16	PK	3573312C1
H2*	A13DFM	18	PK	3534164C1
H2*	A13Z	18	PK	3534164C1
H2*	A94T	18	GY	3534164C1

* MUTUALLY EXCLUSIVE
% XMSN MISC,AUTO NEUT,ISB W/RETR W/FUSE W/BRKR
@ PEOPLENET COMMUNICATION DAYCAB WIRING W/FUSE
# SNOW VALVE W/FUSE N/13L-ENGINE
&% SNOW VALVE W/FUSE W/13L-ENGINE
& W/ CATON PROCISION W/ FUSE

CHART CONTINUE ON SHEET 11A

CHK	DATE	CHANGE	REV	REFERENCE
MJV04	18MAR16	REVISED AND REDRAWN.	H	93408J

DRAWN 310702 — NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V — DATE 21APR09 — PART NO. AE08058187 — SHEET 011

Figure 548 Connector Composites (1014)

https://truckmanualshub.com/

13.32. CONNECTOR COMPOSITES (1014), P. 11A

NAVISTAR, INC

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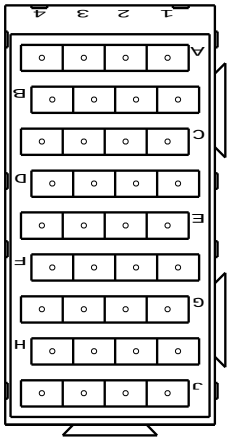
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CHART CONTINUE FROM SHEET 011

FUSEBLOCK #5
(1014)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3534572C1
BODY LOCK 3536085C1
BODY LOCK 3599541C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
H3*	A90L	18	GY	3534164C1
H3*	A22AA	18	PK	3573312C1
H3*	A22AC	18	PK	3573312C1
H3*	A22AA	18	PK	1666118C1
H4*	A92RA	18	TN	3534164C1
H4&*	A13A	14	PK	3573312C1
J1*	A13FD	18	PK	3573312C1
J1*	A13FE	18	PK	3573312C1
J1	A148B	18	GY	3534164C1
J2	(A13FB)	-	-	3536306C1
J3	A13FF	18	PK	3573312C1
J3&	A13FE	18	PK	3573312C1
J4	(A13FA)	-	-	3536306C1
J4	A148C	18	GY	3534164C1

* MUTUALLY EXCLUSIVE
& IGN FEED W/UTILITY BODY N/OPTIONS

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F5-A	G1, H1	10	3534209C1	3536178C1	AIR PARK BRAKE
F5-B	G2, H2	10	3534209C1	3536178C1	INVERTER / AUX POWER SOURCE / EATON HYBRID
F5-C	G3, H3	5	3534208C1	-	ACCELERATOR
F5-D	G4, H4	10	3534209C1	3536178C1	SNOW VALVE / RETARDER / COLLISION WARN
F5-E	C1, D1	10	3534209C1	3536178C1	CLUTCH / START ENABLE / AUTO NEUTRAL / 5TH WHEEL JAW UNLOCK
F5-F	C2, D2	10	3534209C1	3536178C1	DISPLAY SYSTEMS / BACK-UP CAMERA
F5-G	C3, D3	10	3534209C1	3536178C1	OWNER OPERATOR
F5-H	C4, D4	10	3534209C1	3536178C1	COMPASS MODULE
F5-J	A1, B1	10	3534209C1	3536178C1	SATELLITE COMMUNICATION
F5-K	A2, B2	20	3534211C1	3536180C1	AIR DRYER / HEATED DRAIN VALVE
F5-L	A3, B3	10	3534209C1	3536178C1	EATON HYBRID/TACHOGRAPH/ENG SENSOR INTERFACE
F5-M	A4, B4	10	3534209C1	3536178C1	BACK-UP LIGHTS

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
J1, J2	3600329C1	IGNITION RELAY # 2 @
J3, J4	3600329C1	IGNITION RELAY # 3 @
		@ ALSO SEE CONNECTOR 1012

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
MJV0088	16MAR16	REVISED AND REDRAWN.	E	93408J	MJV0088	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92218B	DATE 30JUL13 — PART NO. AE08058187 — SHEET 11A

Figure 549 Connector Composites (1014)

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13.33. CONNECTOR COMPOSITES (1015), P. 12

NAVISTAR, INC

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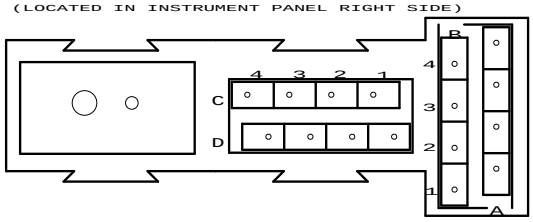
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

FUSEBLOCK #6
(1015)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3599501C1
BODY LOCK 3599541C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1*	A98H	18	BK	3515517C1
A1*	A19V	12	GY	3516158C1
A2*	A37V	18	TN	3515517C1
A2*	A92AB	16	TN	3515517C1
A3*	A78A	14	LTGN	3516158C1
A3*	A12Z	16	LTBL	3515517C1
A3*	A65AB	16	OR	3515517C1
A4	A75	12	LTGN	3516158C1
B1	A14FA	12	RD	3573311C1
B2	A14KB	12	RD	3573311C1
B3	A14NB	12	RD	3573311C1
B4	A14JE	12	RD	3573311C1
C1	A37	18	TN	3515517C1
C2	A37D	16	TN	3515517C1
C3*	A44C	18	PK	3515517C1
C3*	A44C	18	GY	3515517C1
C3*	A44	18	GY	3515517C1
C3*	A23B	18	TN	3515517C1
C4*	A44A	18	GY	3515517C1
C4*	A46C	18	GY	3515517C1
C4*	A23	18	TN	3536295C1
C4*	A23C	18	TN	3536295C1
D1	A37V	18	TN	3534164C1
D2	A37-GCD	18	WH	3534164C1
D3*	A46D	18	GY	3515517C1
D3*	A23A	18	TN	3534164C1
D3*	A9ZB	18	GY	3515517C1
D3*	A97ZB	18	GY	3515517C1
D4*	A44B	18	GY	3515517C1
D4*	A23C	18	TN	3534164C1
D4*	A44-GBG	18	WH	3515517C1

* MUTUALLY EXCLUSIVE

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F6-A	A4, B4	30	3534213C1	3536182C1	CAB HVAC BLOWER MOTOR
F6-B	A3, B3	20	3534211C1	3536180C1	AUXILIARY ROOF LOAD
F6-C	A2, B2	10	3534209C1	3536178C1	FUEL TRANSFER PUMP
F6-D	A1, B1	20 / 30	3534211C1 / 3534213C1	3536180C1 / 3536182C1	FUEL HEATER

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
C1, C2, D1, D2	3600330C1	FUEL TRANSFER PUMP RELAY
C3, C4, D3, D4	3600330C1	RELAY SEE NOTE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0610	12NOV13	REVISED AND UPDATED.	G	92218B	310702	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 21APR09
					PART NO. AE08058187	SHEET 012

Figure 550 Connector Composites (1015)

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13.34. CONNECTOR COMPOSITES (1016), P. 13

NAVISTAR, INC

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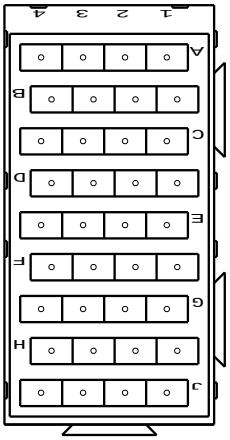
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

FUSEBLOCK #7
(1016)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3534572C1
BODY LOCK 3536085C1
BODY LOCK 3599541C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	A14FE	12	RD	3573311C1
A2	A14ND	12	RD	3573311C1
A3	A13ET	12	PK	3573311C1
A4	A14KA	12	RD	3573311C1
A4&	A14CB	12	RD	3573311C1
B1*	A14A	14	RD	3573312C1
B1*	A14A	12	RD	3573311C1
B1*	A14MV	16	RD	3573312C1
B2*	A72C	12	OR	3573311C1
B2*	A94L	12	GY	3573311C1
B2*	A78A	14	LTGN	3573312C1
B3*	A105	18	LTGN	3534164C1
B3*	A105	16	LTGN	3573312C1
B3*	A13AB	18	RD	3534164C1
B3*	A13AA	18	RD	3534164C1
B3*	A14R	18	RD	3534164C1
B3&	A13R3	18	RD	3534164C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
B4	A81D	12	LTGN	3573311C1
C1	-	-	-	-
C2	-	-	-	-
C3	-	-	-	-
C4	-	-	-	-
D1	-	-	-	-
D2	-	-	-	-
D3	-	-	-	-
D4	-	-	-	-
E1	A14FD	12	RD	3573311C1
E1&	A14CA	12	RD	3573311C1
E2*	A14A	18	RD	3573312C1
E2*	A72E	18	OR	3515517C1
E2*	A14BA	16	RD	3573312C1
E2*	A14B	18	RD	3573312C1
E2*	A72K	12	OR	3573311C1
E2*	A72A	12	OR	3573311C1
E2&	A72NX	10	OR	3573311C1
E2#	A14BA	16	RD	3515517C1
E3	A14G	16	RD	3573312C1
E4	(A70J)			3536299C1
E4	A14A	18	RD	3515517C1
F1	A81C	12	LTGN	3573311C1
F2	A14FB	12	RD	3573311C1
F3	A14MA	12	RD	3573311C1
F4	A14HC	12	RD	3573311C1
G1*	A12Q	18	LTBL	3515517C1
G1*	A12Q	18	LTBL	3534164C1
G1*	A72F	16	OR	3573312C1
G1*	A72E	18	OR	3534164C1
G1*	A72B	16	OR	3573312C1
G1*	A72EF	18	OR	3515517C1
G1%	A148B	18	GY	3534164C1
G2*	A72AA	12	OR	3573311C1
G2*	A94TA	12	GY	3573311C1
G2*	A12BB	16	LTBL	3573312C1
G2*	A72V	12	DKBL	3573311C1
G3*	A70D	18	OR	3515517C1
G3*	A70D	18	OR	3534164C1
G4	(A70J)			3536299C1
H1	-	-	-	-
H2	-	-	-	-
H3	-	-	-	-
H4	-	-	-	-

* MUTUALLY EXCLUSIVE
& W/ AUX ABS SOCKET
# BODY BUILDER LIGHTING W/ FUSE N/TRAILER
% ACCESSORY FEED-STANDARD W/ BODY BUILDER

CHART CONTINUE ON SHEET 13A

CHK	DATE	CHANGE	REV.	REFERENCE
MJV04	16MAR16	REVISED AND REDRAWN.	K	93408J

DRAWN 310702 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V | DATE 21APR09 | PART NO. AE08058187 | SHEET 013

Figure 551 Connector Composites (1016)

https://truckmanualshub.com/

13.35. CONNECTOR COMPOSITES (1016), P. 13A

NAVISTAR, INC

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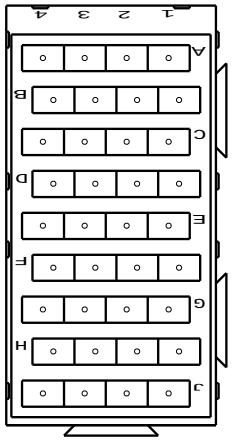
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CHART CONTINUE FROM SHEET 013

FUSEBLOCK #7
(1016)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
J1*	A14BA	16	RD	3573312C1
J1*	A72K	12	OR	3573311C1
J1*	A72A	12	OR	3573311C1
J1*	A14BA	16	RD	3573312C1
J1*	A94TC	12	GY	3573311C1
J2*	A72-GCL	18	WH	3534164C1
J2*	A72-GAL	16	WH	3573312C1
J2*	A12-GCL	18	WH	3515517C1
J2*	A72-GCL	18	WH	3573312C1
J2*	A72-GB	18	WH	3573312C1
J2*	A12-GCL	18	WH	3534164C1
J2#	A11-GCL	18	WH	3534164C1
J3*	A70ET	10	RD	3573311C1
	A70T	10	GY	3573311C1
J3&	A70T	10	RD	3573311C1
J4*	A70-GT	18	WH	3573312C1
J4*	A70-GC	18	WH	3573312C1

CONNECTOR 3534572C1
BODY LOCK 3536085C1
BODY LOCK 3599541C1

* MUTUALLY EXCLUSIVE
& W/ AUX TRAILER-N/ETB
# BODY BUILDER LIGHTING W/ FUSE N/TRAILER

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F7-A	E1, F1	30	3534213C1	3536182C1	POWER WINDOW / DOOR - LEFT REAR
F7-B	E2, F2	SEE NOTE	3534211C1 3534212C1 3534213C1	3536180C1 3536181C1 3536182C1	BODY ACCESSORY / TRAILER AUX / TACHOGRAPH
F7-C	E3, F3	15	3534210C1	3536179C1	OWNER OPERATOR
F7-D	E4, F4	30	3534213C1	3536182C1	TRAILER STOP LIGHTS
F7-E	A1, B1	10	3534209C1	3536178C1	DISPLAY SYSTEMS / DRIVER AIR SEAT
F7-F	A2, B2	30/25	3534213C1 3534212C1	3536182C1 3536181C1	HYD FPB -SOLENOID / AUX POWER SOURCE / HEATED WINDSHIELD
F7-G	A3, B3	10/20	3534209C1 3536180C1	3534209C1 3536180C1	DRIVER SEAT / PASSENGER SEAT
F7-H	A4, B4	30	3534213C1	3536182C1	POWER WINDOW / DOOR - RIGHT REAR

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
G1, G2, J1, J2, H2	3600329C1	BODY ACC / TRAILER AUX RELAY
G3, G4, J3, J4, H4	3600329C1	TRAILER STOP RELAY

NOTE: 10A W/TRAILER AUX CTR PIN-SWITCH
20A W/BODY ACC
25A W/TRAILER AUX CTR PIN-ACC OR BAT
30A W/TRAILER AUX FEED

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
MJV0488	16MAR16	ADDED CIRCUIT A11-GCL	D	93408J	MJV0088	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		OF CAV J2 IN R/D 1016.			RELEASE NO. 92218B	DATE 30JUL13

PART NO. AE08058187 SHEET 13A

Figure 552 Connector Composites (1016)

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13.36. CONNECTOR COMPOSITES (1017), P. 14

NAVISTAR, INC

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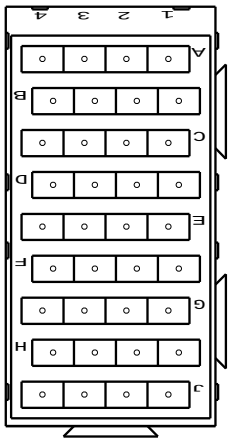
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

FUSEBLOCK #8
(1017)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3534572C1
BODY LOCK 3536085C1
BODY LOCK 3599541C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1*	A14NE	12	RD	3573311C1
A1*	A14NE	12	RD	3576301C1
A2*	A14PE	10	RD	3573311C1
A2*	A14PE	12	RD	3573311C1
A3	A14KC	12	RD	3573311C1
A4	A14PD	10	RD	3573311C1
B1	A92BA	18	RD	3534164C1
B1&	A14A	20	PK	3535484C1
B2*	A92BT	18	TN	3534164C1
B2*	A44Y	18	GY	3515517C1
B3	A14NS	12	BK	3573311C1
B4	A14F	14	RD	3573312C1
C1	(A14NE)	-	-	3536301C1
C2-C4	-	-	-	-
D1-D4	-	-	-	-

* MUTUALLY EXCLUSIVE
\# XMSN W/ AUTO NEUT W/ ISB W/ FUSE
@ ENGINE ECM, ISB W/ ULTRASHIFT
STARTER CONT, 16ENG
& DRIVER DISPLAY WIRING W/ CIRC BRKR
% SNOW VALVE N/FUSE 13L-ENGINE
%% IGNITION FEED-REMOTE START STOP
@* SNOW VALVE W/FUSE 13L-ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
E1	(A14NE)	-	-	3536301C1
E2*	A40C	14	GY	3573312C1
E2*	A94AY	14	GY	3573312C1
E2*	A94AY	12	RD	3573311C1
E3*	A20	16	LTGN	3573312C1
E4*	A94UA	12	GY	3573311C1
E4*	A72J	12	OR	3573311C1
E4*	A94TC	12	GY	3536299C1
E4*	A94T	10	GY	3573311C1
F1*	A17H	16	PK	3573312C1
F1*	A92FB	16	TN	3573312C1
F2	A14HE	12	RD	3573311C1
F3	A14MB	12	RD	3573311C1
F4	A14PC	12	RD	3573311C1
G1*	A11-GD	18	WH	3534164C1
G1*	A92#145	18	TN	3534164C1
G1*	A92RD	16	TN	3573312C1
G1*	A17L	18	PK	3534164C1
G1@	A92E	18	LTBL	3534164C1
G1%	A23E	18	TN	3534164C1
G1@*	A23L	18	TN	3534164C1
G2*	A23B	18	TN	3534164C1
G2*	A92JA	18	TN	3534164C1
G2*	A92#163	16	TN	3573312C1
G2*	A17B	18	PK	3573312C1
G2*	A17J	16	PK	3573312C1
G2#	A92BC	18	TN	3534164C1
G2@	A92H	18	WH	3534164C1
G2%	A13C	18	PK	3534164C1
G3*	A13FH	18	PK	3573312C1
G3*	A13FF	18	PK	3573312C1
G3%%	A13FAX	18	PK	3534164C1
G4*	(A94TC)	-	-	3536299C1
G4*	A94T	10	GY	3573311C1
G4*	A72	10	OR	3573311C1
H1	A92FN	16	TN	3573312C1
H1@	A13	16	PK	3573312C1
H2*	A23DC	18	TN	3534164C1
H2*	A17S	18	PK	3534164C1
H2*	A23DC	18	TN	3534164C1
H2#	A17S	18	PK	3534164C1
H2%	A11-GD	18	WH	3534164C1
H3-H4	-	-	-	-

CHART CONTINUE ON SHEET 14A

CHK	DATE	CHANGE	REV	REFERENCE
MJV04	16MAR16	REVISED AND REDRAWN.	H	93408J

DRAWN 310702 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V | DATE 21APR09 | PART NO. AE08058187 | SHEET 014

Figure 553 Connector Composites (1017)

https://truckmanualshub.com/

13.37. CONNECTOR COMPOSITES (1017), P. 14A

NAVISTAR, INC

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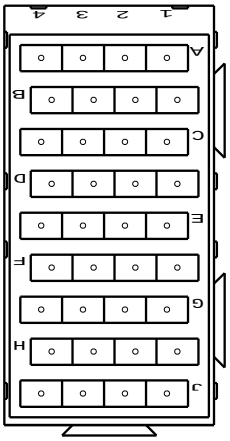
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CHART CONTINUE FROM SHEET 014

FUSEBLOCK #8
(1017)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3534572C1
BODY LOCK 3536085C1
BODY LOCK 3599541C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
J1*	A92FB	16	TN	3573311C1
J1*	A92FBA	16	TN	3573311C1
J1*	A17HB	16	PK	3573312C1
J1*	A92BC	18	TN	3534164C1
J1##	A13A	18	PK	3534164C1
J1#	A92JA	18	TN	3534164C1
J1@	A92F	18	LTGN	3534164C1
J1%	A23DC	18	TN	3534164C1
J2*	A92J	18	TN	3573312C1
J2*	A92JA	18	TN	3573312C1
J2*	A23H	18	TN	3534164C1
J2*	A92FBA	16	TN	3573312C1
J2*	A17K	18	PK	3534164C1
J2@	A97A	18	PK	3534164C1
J2%	A23B	18	TN	3534164C1
J3*	A94TB	12	GY	3573311C1
J3*	A94UA	12	GY	3573311C1
J3*	A72J	12	OR	3573311C1
J4	A13-GFF	18	WH	3515517C1

* MUTUALLY EXCLUSIVE
SNOW VALVE W/ FUSE ISB ENGINE
XMSN W/ AUTO NEUT W/ ISB W/ FUSE
@ ENGINE ECM, ISB W/ ULTRASHIFT
% SNOW VALVE N/ 13L-ENG W/FUSE

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F8-A	E1, F1	10	3534209C1	3536178C1	TRANSMISSION SHIFTER / EATON HYBRID
F8-B	E2, F2	30 / 15	3534213C1/ 3534210C1	3536182C1/ 3536179C1	BENDIX AIR ABS / WABCO AIR ABS
F8-C	E3, F3	10	3534209C1	3536178C1	REMOTE POWER UNIT
F8-D	E4, F4	30	3534213C1	3536182C1	TRAILER AIR ABS / ETB AUX
F8-E	A1, B1	20	3534211C1	3536180C1	INTERNATIONAL BIG BORE ENGINE / EATON HYBRID
F8-F	A2, B2	NOTE 2	3534209C1	3536178C1	TRANSMISSION CONTROL UNIT
F8-G	A3, B3	30	3534213C1	3536182C1	ELECTRIC TRAILER BRAKES
F8-H	A4, B4	NOTE 3	3534212C1	3536181C1	ENGINE CONTROL UNIT / EATON HYBRID HEAT EXCHANGER FAN RELAY

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
G1, G2, J1, J2, H2	3519350C1	OPTIONAL RELAY SEE NOTE 1
G3, G4, J3, J4, H4	3519350C1	TRAILER ABS ECU RELAY

NOTE 1: AUTO NEUTRAL START ENABLE RELAY COLUMN SHIFTER

NOTE 2: 10A - ALLISION TRANSMISSION
30A - EATON AUTOSHIFT OR ULTRASHIFT TRANSMISSION

NOTE 3: 25A - INTERNATIONAL BIG BORE (IBBE) OR EATON HYBRID HEAT EXCHANGER FAN

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
MJV0488	16MAR16	ADDED CAV J1 AND J2	D	93408J	MJV0088	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	IN R/D 1017.				RELEASE NO. 92218B	DATE 30JUL13 PART NO. AE08058187 SHEET 14A

Figure 554 Connector Composites (1017)

https://truckmanualshub.com/

13.38. CONNECTOR COMPOSITES (1018), P. 15

NAVISTAR, INC

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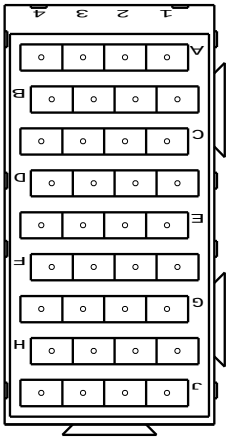
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

FUSEBLOCK #9
(1018)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3534572C1
BODY LOCK 3536085C1
BODY LOCK 3599541C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1*	A104F	18	DKBL	3573312C1
A1*	A96RB	18	YL	3534164C1
A1*	A104L	18	DKBL	3573312C1
A2*	A104N	18	DKBL	3573312C1
A2*	A52E	14	YL	3573312C1
A2*	A104CB	18	DKBL	3573312C1
A3*	A96LB	18	YL	3573312C1
A3*	A96LA	18	YL	3573312C1
A3*	A59RA	18	GY	3534164C1
A4	A52B	14	YL	3573312C1
B1	-	-	-	-
B2*	A59RC	18	GY	3534164C1
B2*	A52D	14	YL	3573312C1
B3	-	-	-	-
B4*	A52	14	YL	3573312C1
B4*	A59CA	16	GY	3573312C1
C1*	A52PD	14	YL	3573312C1
C1*	A104JC	18	DKBL	3573312C1
C1*	A104JD	18	DKBL	3573312C1
C2*	A104E	18	DKBL	3534164C1
C2*	A96-GC	18	YL	3534164C1
C3*	A52PC	14	YL	3573312C1
C3*	A59RD	16	GY	3573312C1
C3%	A104D	18	DKBL	3515517C1
C3@	A104C	18	DKBL	3515517C1
C4*	A104JD	18	DKBL	3534164C1
C4*	A96-GB	18	YL	3573312C1
C4%	A104D	18	DKBL	3573312C1
C4%	A13C	18	GY	3573312C1
C4@	A104C	18	DKBL	3573312C1
C4@	A149B	18	GY	3573312C1
C4*	A96-GD	18	YL	3573312C1
D1	-	-	-	-
D2	-	-	-	-
D3*	A13FK	18	PK	3573312C1
D3*	A13FP	18	PK	3573312C1
D3*&	A13FKX	18	PK	3534164C1
D4*	A19	16	GY	3573311C1
D4*	A19A	16	GY	3573311C1
D4*	A19	12	GY	3573311C1
D4#	A19	16	GY	3573312C1
E1	A13FM	12	PK	3573311C1
E2	A12V	12	LTBL	3573311C1
E2&*	A12V	16	LTBL	3573312C1
E3	-	-	-	-
E4	-	-	-	-
F1*	A86P	16	LTGN	3573312C1
F1*	A13C	18	PK	3573312C1
F1*	A44C	18	GY	3573312C1
F2*	A12X	18	LTBL	3534164C1
F2*	A72B	16	OR	3573312C1
F2*	A72B	16	OR	3573311C1
F2*	A94AM	16	GY	3573311C1
F2*	A89CA	18	PL	3534164C1
F2&	A28RW	18	TN	3534164C1
F2*	A12SE	20	LTBL	3535484C1
F2*	A89CA	18	PL	3515517C1
F3	A19V	12	GY	3573311C1
F4	A19-GCG	18	WH	3534164C1
G1*	A104JC	18	DKBL	3573312C1
G1*	A96RB	18	YL	3573312C1
G1*	A104JB	18	DKBL	3573312C1
G1*	A96RA	18	YL	3573312C1
G1*	A104JC	18	DKBL	3573312C1
G2*	A53F	14	YL	3573312C1
G2*	A104C	16	DKBL	3573312C1
G3*	A96LB	18	YL	3534164C1
G3*	A104B	18	DKBL	3573312C1
G4*	A53E	14	YL	3573312C1
G4*	A104B	18	DKBL	3534164C1
H1	-	-	-	-
H2	A53B	14	YL	3573312C1
H3	-	-	-	-
H4*	A53	14	YL	3573312C1
H4*	A13F	18	PK	3534164C1

SHEET CONTINUE ON SHEET 15A

* MUTUALLY EXCLUSIVE
\# FUEL WATER/SEP-HEATED-CHASSIS ISB
& W/ TRAILER AUX ABS
% IGNITION FEED-REMOTE START/STOP W/ALTEC
@ IGNITION FEED-REMOTE START/STOP
*& IGNITION FEED-STANDARD W/CENTER CONTROLS
&* ACCESSORY FEED-STANDARD W/ALTEC

CHK	DATE	CHANGE	REV	REFERENCE
MJV04	16MAR16	REVISED AND REDRAWN.	K	93408J

DRAWN 310702 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V | DATE 22APR09 | PART NO. AE08058187 | SHEET 015

Figure 555 Connector Composites (1018)

https://truckmanualshub.com/

13.39. CONNECTOR COMPOSITES (1018), P. 15A

NAVISTAR, INC

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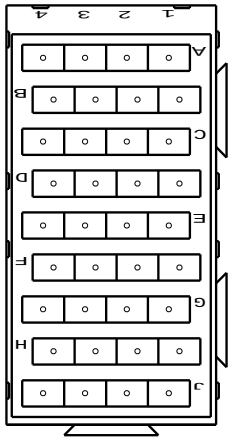
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CHART CONTINUE FROM SHEET 015

FUSEBLOCK #9
(1018)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3534572C1
BODY LOCK 3536085C1
BODY LOCK 3599541C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
J1*	A104JB	18	DKBL	3573312C1
J1*	A104JA	18	DKBL	3573312C1
J1*	A53PA	14	YL	3573312C1
J1&	A104JA	14	BN	3573312C1
J2*	A96-GC	18	YL	3573312C1
J2*	A96-GD	18	YL	3573312C1
J2*	A104H	16	DKBL	3573312C1
J3*	A104JA	18	DKBL	3573312C1
J3*	A104J	16	DKBL	3573312C1
J3*	A104JAL	14	BN	0500397C1
J3*	A53PB	14	YL	3573312C1
J3*	A104J	18	DKBL	3573312C1
J4*	A96-GB	18	YL	3573312C1
J4*	A96-GCC	18	YL	3573312C1
J4*	A104AA	18	DKBL	3534164C1

* MUTUALLY EXCLUSIVE
& W/UTILITY BODY W/REMOTE START/STOP

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F9-A	E1, F1	5	3534208C1	-	2 WAY RADIO
F9-B	E2, F2	5	3534208C1	-	AUX ROOF LOAD / WHEEL CHAIR LIFT

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
G1, G2, H2, J1, J2	3519350C1	RIGHT LOW BEAM OR SWITCH RELAY
G3, G4, H4, J3, J4	3519350C1	LEFT LOW BEAM OR REMOTE-S RELAY
A1, A2, B2, C1, C2	3519350C1	RIGHT HIGH BEAM OR REMOTE-S RELAY
A3, A4, B4, C3, C4	3519350C1	LEFT HIGH BEAM OR PUMP-I RELAY
D3, D4, E4, F3, F4	3519350C1	FUEL HEATER RELAY

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
MJV0088	16MAR16	ADDED BODY LOCK	C	93408J	MJV0088	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	3599541C1.				RELEASE NO. 92218B	DATE 30JUL13 / PART NO. AE08058187 / SHEET 15A

Figure 556 Connector Composites (1018)

https://truckmanualshub.com/

13.40. CONNECTOR COMPOSITES (1019), P. 16

NAVISTAR, INC

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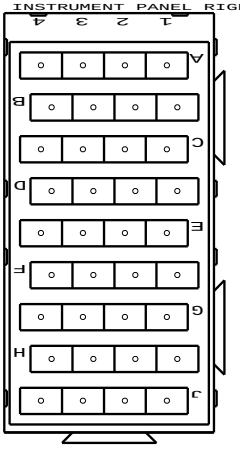
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

FUSEBLOCK #10
(1019)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3534572C1
BODY LOCK 3536085C1
BODY LOCK 3599541C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1*	A53AB	18	YL	3573312C1
A1*	A59-GM	18	WH	3534164C1
A1*	A53ABA	18	YL	3573312C1
A1*	A92HD	12	TN	3573311C1
A1*	A78-GBH	18	WH	3573312C1
A1*	A78-GBR	18	WH	3573312C1
A1*	A78-GBR	16	WH	3573312C1
A2*	A52AB	18	YL	3573312C1
A2*	A53ABA	18	YL	3573312C1
A2*	A14G	12	RD	3573311C1
A2*	A78C	14	BK	3573312C1
A3*	A92-GN1	18	WH	3573312C1
A3*	A17-GAE	18	WH	3515517C1
A3*	A92H	16	TN	3573312C1
A3*	A17-GAE	18	WH	3534164C1
A3*	A92-GAJ	18	WH	3573312C1
A3@	A17-G	18	WH	3534164C1
A4*	A92E	16	TN	3573312C1
A4*	A17QR	18	PK	3534164C1
A4*	A92A1	18	TN	3534164C1
A4&	A92LB	18	TN	3515517C1
B1	-	-	-	-
B2	A59KA	18	GY	3534164C1
B3	-	-	-	-
B4*	A97UA	16	PL	3573312C1
B4@	A17A	18	PK	3534164C1
C1*	A50S	18	YL	3534164C1

* MUTUALLY EXCLUSIVE
@ ENGINE START W/CUMMINS ISB
% STRTR CNTL,CUMMINS ISB W/ALLISION XMSN
# STRTR CNTL,CUMMINS ISB W/MANUAL XMSN
& W/ULRTASHIFT XMSN START

CHART CONTINUED ON SHEET 16A

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
C1*	A78A	14	LTGN	3573312C1
C1*	A92HH	14	TN	3573312C1
C1*	A59K	18	GY	3534164C1
C2*	A53-G	18	GY	3534164C1
C2*	A78AC	16	LTGN	3573312C1
C2*	A92HC	12	TN	3573311C1
C2*	A71P	18	OR	3534164C1
C3*	A17	18	PK	3515517C1
C3*	A97AA	16	PL	3573312C1
C3*	A92A18	16	TN	3573312C1
C3*	A17	18	PK	3534164C1
C3#	A17C	18	PK	3534164C1
C3%	A17B	18	PK	3534164C1
C3&	A92BA	18	RD	3534572C1
C4*	A17T	18	PK	3534164C1
C4*	A17T	18	PK	3515517C1
C4*	A92DN1	18	TN	3573312C1
C4*	A92F	16	TN	3573312C1
C4*	A92DN	18	TN	3573312C1
C4@	A17B	18	PK	3534164C1
C4&	A92L	18	TN	3534164C1
D1	-	-	-	-
D2	-	-	-	-
D3	-	-	-	-
D4	-	-	-	-
E1*	A94PM	12	GY	3573311C1
E1*	A97Z	10	VT	3573311C1
E1*	A147G	18	PK	3534164C1
E2*	A70E	10	RD	3573311C1
E2*	A94PE	16	GY	3573312C1
E3*	A14KD	12	RD	3573311C1
E3*	A14MG	12	RD	3573311C1
E4*	A14TB	12	RD	3573311C1
E4*	A14TF	12	RD	3573311C1
E4*	A14JG	12	RD	3573311C1
F1*	A94TM	12	GY	3573311C1
F1*	A23	18	TN	3534164C1
F1*	A147DE	18	PK	1661208C1
F2*	A70NS	16	RD	3573312C1
F2*	A94TE	16	GY	3573312C1
F3*	A70BF	14	RD	3573312C1
F4*	A14A	20	PK	3535484C1
F4*	A14JT	16	RD	3573312C1
G1*	A92RA	18	TN	3573312C1
G1*	A92RB	18	TN	3573312C1
G1*	A89CB	18	PL	3534164C1
G1*	A92HF	18	TN	3573312C1
G1*	A59-GC	18	WH	3534164C1
G1*	A89CB	18	PL	3515517C1
G1*	A72-GD	18	WH	3515517C1
G1*	A92HB	18	TN	3573312C1
G1*	A89CB	18	PL	3515517C1
G1*	A116LB	18	GY	3515517C1
G2*	A14F	12	RD	3573311C1
G2*	A59K	18	GY	3573312C1
G2*	A59L	18	GY	3573312C1
G2*	A9ZC	18	GY	3534164C1
G2*	A116L	18	GY	3534164C1

CHK	DATE	CHANGE	REV.	REFERENCE
MJV04	16MAR16	REVISED AND REDRAWN.	H	93408J

DRAWN 310702
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 22APR09
PART NO. AE08058187
SHEET 016

Figure 557 Connector Composites (1019)

https://truckmanualshub.com/

13.41. CONNECTOR COMPOSITES (1019), P. 16A

NAVISTAR, INC

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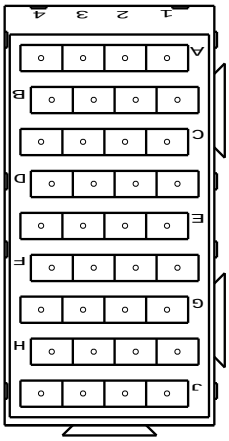
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CHART CONTINUE FROM SHEET 016

FUSEBLOCK #10
(1019)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3534572C1
BODY LOCK 3536085C1
BODY LOCK 3599541C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
G3*	A92-GJ	18	WH	3534164C1
G3	A23E	18	TN	3534164C1
G3*	A116UB	18	GY	3534164C1
G3@*	A23L	18	TN	3534164C1
G3@#	A11-G	16	WH	3573312C1
G4	A13D	18	PK	3534164C1
G4*	A17EB	16	PK	3573311C1
G4*	A17F	16	PK	3573311C1
G4*	A116U	18	GY	3534164C1
H1	-	-	-	-
H2*	A92RK	18	TN	3534164C1
H2*	A72EF	18	OR	3515517C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
H3	PLUG	-	-	-
H4*	A11-GC	18	WH	3534164C1
H4*	A17B	18	PK	3573312C1
H4*	A92BC	18	TN	3573312C1
H4*	A92BC	18	TN	3534164C1
H4#	A92APA	18	TN	3534164C1
J1*	A116L-G	18	GY	3534164C1
J1*	A72EC	18	OR	3515517C1
J1*	A92RB	18	TN	3534164C1
J1*	A89CC	18	PL	3534164C1
J1*	A59J	18	GY	3534164C1
J1*	A89CC	18	DKBL	3515517C1
J2*	A92#124	18	TN	3534164C1
J2*	A89CA	18	PL	3534164C1
J2*	A59L	18	GY	3573312C1
J2*	A59R	18	GY	3573312C1
J2*	A89CA	18	PL	3515517C1
J2*	A116LZ	18	GY	3534164C1
J2*	A44	18	GY	3515517C1
J3*	A92APA	18	TN	3534164C1
J3*	A11-GC	18	WH	3534164C1
J3*	A116U-G	18	GY	3534164C1
J3#	A92BC	18	TN	3534164C1
J3@*	A23G	18	TN	3534164C1
J3@#	A92AH	14	TN	3573312C1
J4*	A17R	18	PK	3515517C1
J4*	A23M	18	TN	3534164C1
J4*	A17R	18	PK	3534164C1
J4*	A116UZ	18	GY	3534164C1
J4*	A23DA	18	GY	3534164C1
J4@#	A92	16	TN	3573312C1

* MUTUALLY EXCLUSIVE
\# XMSN W/ AUTO NEUT W/ ISB W/ FUSE
@* SNOW VALVE N/ NBL-ENG
@# MANUAL XMSN W/ BYPASS SWITCH

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F10-A	E1, F1	5/10	3534208C1 / 3534209C1	3536178C1	FAN SOLENOID / IBBE / HCI
F10-B	E2, F2	15	3534210C1	3536179C1	ELECTRIC TRAILER BRAKES
F10-C	E3, F3	20	3534211C1	3536180C1	BODY STOP
F10-D	E4, F4	20	3534211C1	3536180C1	FUEL PUMP/DRIVER DISPLAY

RELAY LOCATION -CAVITY	PART NUMBER	DESCRIPTION
A1, A2, B2, C1, C2	3519350C1	OPTIONAL RELAY SEE NOTE
A3, A4, B4, C3, C4	3519350C1	CRANK-I OR IGN INTERRUPT RELAY
G1, G2, J1, J2, H2	3519350C1	RETARDER / WHEEL CHAIR LIFT / LIFT AXLE / 5TH WHEEL LOCK RELAY
G3, G4, J3, J4, H4	3519350C1	AUTO NEUTRAL LIGHT RELAY / WINDSHIELD / CRANK / 5TH WHEEL UNLOCK RELAY

NOTE :- TRIP HEADLIGHT INPUT RELAY, LIFT AXLE REVERSE RELAY

CHK	DATE	CHANGE	REV	REFERENCE
MJV04	18MAR16	REVISED AND REDRAWN.	G	93408J

DRAWN 360070
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 62476L
DATE 19NOV09
PART NO. AE08058187
SHEET 16A

Figure 558 Connector Composites (1019)

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13.42. CONNECTOR COMPOSITES (1020), P. 17

NAVISTAR, INC

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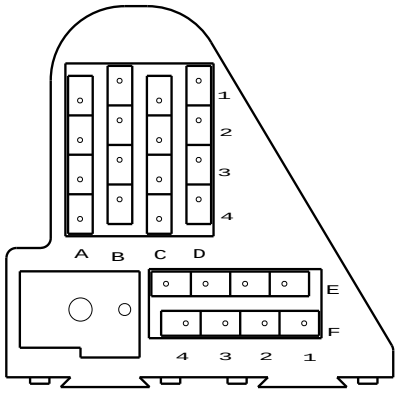
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

FUSEBLOCK #11
(1020)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3599540C1
BODY LOCK 3599541C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1*	A59RE	18	GY	3534164C1
A1*	A78BC	16	LTGN	3515517C1
A2*	A59CD	18	GY	3534164C1
A2*	A78	16	LTGN	3515517C1
A3*	A12D	14	LTBL	3573311C1
A3*	A12E	18	LTBL	3573311C1
A4	A12E	18	LTBL	3515517C1
B1*	A59RD	16	GY	3573312C1
B1*	A78B	14	BK	3516158C1
B2*	A59CE	18	GY	3534164C1
B2*	A78-GBH	18	WH	3515517C1
B3	A44Z	18	GY	3515517C1
B4	A12A	18	LTBL	3515517C1
C1	A70-GC	18	WH	3534164C1
C2*	A70BF	14	RD	3573312C1
C3*	A37B	18	TN	3534164C1
C3*	A97KU	18	TN	3534164C1
C4	A14JT	16	RD	3573312C1
D1*	A70BB	14	RD	3573312C1
D1*	A70BA	14	RD	3573312C1
D2	A70C	18	OR	3515517C1
D2*	A70C	14	RD	3573312C1
D2*	A70C	18	OR	3534164C1
D3*	A37A	16	TN	3573312C1
D3*	A97KV	16	TN	3573312C1
D4*	A13FP	18	PK	3534164C1
D4*	A13FJ	18	PK	3573312C1
D4*	A13FP	18	PK	3515517C1
D4*	A13FP	18	PK	3515512C1
D4*	A147M	18	PK	3573312C1
D4@	A13FPX	18	PK	3534164C1
E1*	A14HD	14	RD	3516158C1
E1*	A14HD	14	RD	3573311C1
E1*	A14HH	16	RD	3573311C1
E1*	A14HH	16	RD	3516158C1
E2	A13FS	12	PK	3573311C1
E3	A13FL	12	PK	3573311C1
E4*	A14HH	16	RD	3515517C1
E4*	A14HH	16	RD	3573312C1
F1	A94BF	18	GY	3534164C1
F2*	A97DF	18	PL	3534164C1
F2*	A97K	14	PK	3573312C1
F3*	A59H	18	GY	3573312C1
F3*	A59J	18	GY	3573312C1
F4	A14FF	16	RD	3573312C1

* MUTUALLY EXCLUSIVE
@ IGNITION FEED-STANDARD W/CENTER CONTROLS

FUSE LOCATION	CAVITY	RATING	PART NUMBER	DESCRIPTION
			FUSE	
F11-A	E1, F1	5	3534208C1	AGSP / DISPLAY / HYD FPB BRK SWITCH
F11-B	E2, F2	5	3534208C1	ENGINE BODY BUILDER
F11-C	E3, F3	5	3534208C1	LIFT AXLE
F11-D	E4, F4	5	3534208C1	FUEL COOLER SOLENOID
F11-E	A3, B3	5	3534208C1	SAAR
F11-F	A4, B4	5	3534208C1	RAND MCNALLY GPS

RELAY LOCATION CAVITY	PART NUMBER	DESCRIPTION
A1, A2, B1, B2	3600330C1	PUMP RELAY / HEATED WINDSHIELD
A3, A4, B3, B4		NOT USABLE FOR RELAY
C1, C2, D1, D2	3600330C1	BODY STOP RELAY
C3, C4, D3, D4	3600330C1	I6/V8 PUMP RELAY

CHK	DATE	CHANGE	REV	REFERENCE
MJV04	16MAR16	ADDED CIRCUIT A13FPX	H	93408J
		OF CAV D4 IN R/D 1020.		

DRAWN 310702
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 22APR09
PART NO. AE08058187
SHEET 017

Figure 559 Connector Composites (1020)

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13.43. CONNECTOR COMPOSITES (1023A), (1023B), P. 18

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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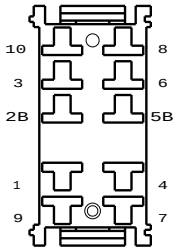
INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.

ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

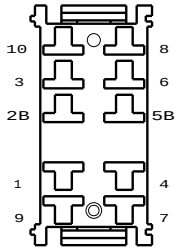
LIFT AXLE UP / DOWN SWITCH #2 (1023B)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A59B	18	GY	3541250C1
	A59NB	18	GY	3541250C1
2B	A59U	18	GY	1661224C1
3				
4				
5B				
6				
7				
8	A59B	18	GY	1661224C1
9				
10	A59-GD	18	WH	1661224C1

LIFT AXLE UP / DOWN SWITCH #1 (1023A)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A59A	18	GY	3541250C1
	A59MB	18	GY	3541250C1
2B	A59S	18	GY	1661224C1
3				
4				
5B				
6				
7				
8	A59A	18	GY	1661224C1
9				
10	A59-GB	18	WH	1661224C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	18SEP09	INITIAL RELEASE.	A	61229V

DRAWN 310702
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 22APR09
PART NO. AE08058187
SHEET 018

Figure 560 Connector Composites (1023A), (1023B)

https://truckmanualshub.com/

13.44. CONNECTOR COMPOSITES (1023C), (1023D), P. 19

NAVISTAR, INC

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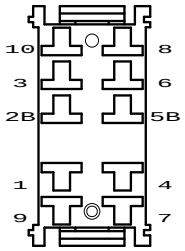
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

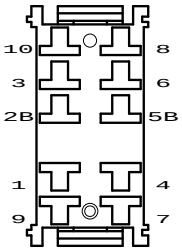
LIFT AXLE UP / DOWN SWITCH #3
(1023C)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A59C	18	GY	3541250C1
	A59PB	18	GY	3541250C1
2B	A59V	18	GY	1661224C1
3	PLUG	-	-	-
4	PLUG	-	-	-
5B	PLUG	-	-	-
6	PLUG	-	-	-
7	PLUG	-	-	-
8	A59C	18	GY	1661224C1
9	PLUG	-	-	-
10	A59-GE	18	WH	1661224C1

LIFT AXLE UP/DOWN SWITCH #4
(1023D)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	A59D	18	GY	3541250C1
1*	A59RB	18	GY	3541250C1
2B	PLUG	-	-	-
3	PLUG	-	-	-
4	PLUG	-	-	-
5B	PLUG	-	-	-
6	PLUG	-	-	-
7	PLUG	-	-	-
8	A59D	18	GY	1661224C1
9	PLUG	-	-	-
10	PLUG	-	-	-

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
0610	12NOV13	ADDED R/D 1023D.	C	92218B

DRAWN 310615 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V | DATE 09JUN09 | PART NO. AE08058187 | SHEET 019

Figure 561 Connector Composites (1023C), (1023D)

https://truckmanualshub.com/

13.45. CONNECTOR COMPOSITES (1026), P. 19A

NAVISTAR, INC

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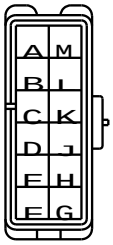
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

J1939 SPLICE
(1025)
(LOCATED IN INSTUMENT PANEL CENTER)



CONNECTOR 3601838C1
BODY LOCK 3601839C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A*	A5RF(-)	18	GN	3534164C1
A*	A5RL(-)	18	GN	3534164C1
B*	A5B(-)	18	GN	3534164C1
B*	A5FA(-)	18	GN	3534164C1
B*	A5C(-)	18	GN	3534164C1
B*	A5M(-)	18	GN	3534164C1
C*	A5RH(-)	18	LT GN	3534164C1
C*	A5RM(-)	18	GN	3534164C1
D*	A5RH(-)	18	LT GN	3534164C1
D*	A5RM(-)	18	GN	3534164C1
E*	A5(-)	18	GN	3534164C1
E*	A5A(-)	18	GN	3534164C1
E*	A5AL(-)	18	GN	3534164C1
E*	A5C(-)	20	LT GN	3535484C1
E*	A5D(-)	18	GN	3534164C1
E*	A5D3(-)	18	YL	3534164C1
E*	A5M(-)	18	GN	3534164C1
E*	A5MA(-)	18	GN	3534164C1
F*	A5E(-)	18	GN	3534164C1
F*	A5RJ(-)	18	GN	3534164C1
F*	A5RM(-)	18	GN	3534164C1
F*	A5RN(-)	18	GN	3534164C1
F*	A5RQ(-)	18	GN	3534164C1
F*	A5RS(-)	18	GN	3534164C1
G*	A5E(+)	18	YL	3534164C1
G*	A5RJ(+)	18	YL	3534164C1
G*	A5RM(+)	18	YL	3534164C1
G*	A5RN(+)	18	YL	3534164C1
G*	A5RQ(+)	18	YL	3534164C1
G*	A5RS(+)	18	YL	3534164C1
H*	A5(+)	18	YL	3534164C1
H*	A5A(+)	18	YL	3534164C1
H*	A5AL(+)	18	YL	3534164C1
H*	A5C(+)	20	YL	3535484C1
H*	A5D(+)	18	YL	3534164C1
H*	A5D3(+)	18	GN	3534164C1
H*	A5M(+)	18	YL	3534164C1
H*	A5MA(+)	18	YL	3534164C1
J*	A5RH(+)	18	YL	3534164C1
J*	A5RM(+)	18	YL	3534164C1
K*	A5RH(+)	18	YL	3534164C1
K*	A5RM(+)	18	YL	3534164C1
L*	A5B(+)	18	YL	3534164C1
L*	A5C(+)	18	YL	3534164C1
L*	A5FA(+)	18	YL	3534164C1
L*	A5M(+)	18	YL	3534164C1
M*	A5RF(+)	18	YL	3534164C1
M*	A5RL(+)	18	YL	3534164C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
0488	09SEP15	INITIAL RELEASE.	A	93248U

DRAWN	NAME
MJV0223	CIRCUIT DIAGRAM,
RELEASE NO.	DATE / PART NO. / SHEET
93248U	27AUG15 AE08058187 19A

Figure 562 Connector Composites (1026)

https://truckmanualshub.com/

13.46. CONNECTOR COMPOSITES (1026), (1029), P. 20

NAVISTAR, INC

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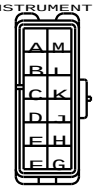
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

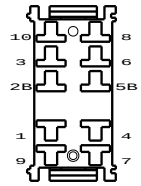
J1939 ADAPTER
(1026)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3601838C1
BODY LOCK 3601839C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A*	A5C(-)	18	GN	3534164C1
A*	A5R(-)	18	GN	3534164C1
A*	A5RD(-)	18	GN	3534164C1
A*	A5RN(-)	18	GN	3534164C1
B*	A5C(-)	18	GN	3534164C1
B*	A5C(-)	20	LT GN	3535484C1
B*	A5CC(-)	18	GN	3534164C1
B*	A5CV(-)	18	GN	3534164C1
C*	A5RE(-)	18	LT GN	3534164C1
C*	A5RP(-)	18	GN	3534164C1
D*	A5RE(-)	18	LT GN	3534164C1
D*	A5RP(-)	18	GN	3534164C1
E*	A5CA(-)	18	GN	3534164C1
E*	A5CC(-)	18	GN	3534164C1
E*	A5CD(-)	18	GN	3534164C1
E*	A5CG(-)	18	GN	3534164C1
E*	A5J(-)	18	GN	3534164C1
E*	A5L(-)	18	GN	3534164C1
F*	A5LI(-)	18	GN	3534164C1
F*	A5RF(-)	18	GN	3534164C1
G*	A5LI(+)	18	YL	3534164C1
G*	A5RF(+)	18	YL	3534164C1
H*	A5CA(+)	18	YL	3534164C1
H*	A5CC(+)	18	YL	3534164C1
H*	A5CD(+)	18	YL	3534164C1
H*	A5CG(+)	18	YL	3534164C1
H*	A5J(+)	18	YL	3534164C1
H*	A5L(+)	18	YL	3534164C1
J*	A5RE(+)	18	YL	3534164C1
J*	A5RP(+)	18	YL	3534164C1
K*	A5RE(+)	18	YL	3534164C1
K*	A5RP(+)	18	YL	3534164C1
L*	A5C(+)	18	YL	3534164C1
L*	A5C(+)	20	YL	3535484C1
L*	A5CC(+)	18	YL	3534164C1
L*	A5CV(+)	18	YL	3534164C1
M*	A5C(+)	18	YL	3534164C1
M*	A5R(+)	18	YL	3534164C1
M*	A5RD(+)	18	YL	3534164C1
M*	A5RN(+)	18	YL	3534164C1

HORN SWITCH
(1029)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	-
2B	A85L	18	GY	1661224C1
3	A9ZE	18	GY	1661224C1
4	PLUG	-	-	-
5B	PLUG	-	-	-
6	PLUG	-	-	-
7	PLUG	-	-	-
8	A62DE	18	DKBL	1661224C1
9	PLUG	-	-	-
10	A62-GAG	18	WH	1661224C1

* MUTUALLY EXCLUSIVE
% J1939 PWRTRN W/AIR ABS,AMM & OPT W/WINGMAN.

CHK	DATE	CHANGE	REV	REFERENCE
0488	09SEP15	REVISED AND REDRAWN.	J	93248U

DRAWN 310615 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V | DATE 09JUN09 | PART NO. AE08058187 | SHEET 020

Figure 563 Connector Composites (1026), (1029)

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13.47. CONNECTOR COMPOSITES (1100), (1100MA), (1101), (1101A), P. 21

NAVISTAR, INC

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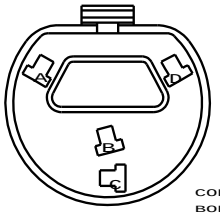
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

KEY SWITCH
(1100)
(LOCATED IN INSTRUMENT PANEL CENTER)

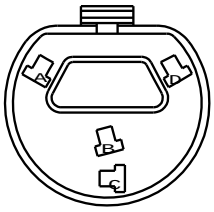


CONNECTOR 3546518C1
BODY LOCK 3546519C1

* MUTUALLY EXCLUSIVE
\# INTL I6 & EATON HYBRID
@ STRTR CNTL, CUMMINS ISB W/ ALLISION XMSN
& W/ ALLISON XMSN, AUTO NEUTRAL
W/ MANUAL XMSN START
&* W/ ACCESSORY FEED-STANDARD
@% W/ IGNITION FEED-REMOTE START/STOP
%# W/ IGNITION FEED
% W/ IGNITION FEED-REMOTE START/STOP W/ ALTEC
#& W/ IGNITION FEED-STANDARD OR W/MWM EURO 3

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A15	18	RD	1661208C1
B*	A17H	16	PK	1661208C1
B	A149B	16	GY	1661208C1
B##	A149B	18	GY	1661208C1
B#	A17HAL	16	PK	1661208C1
B#	A17	18	PK	1661208C1
B*	A17AL	18	PK	1661208C1
B@	A17A	18	PK	1661208C1
B&	A17H	18	PK	1661208C1
C	A149C	14	GY	3566715C1
C&*	A149C	18	GY	1661208C1
C	A12	18	LTBL	1661208C1
C*	A12	14	PK	3566715C1
D*	A13DB	18	PK	1661208C1
D*	A13F	18	PK	1661208C1
D*	A104J	18	DKBL	1661208C1
D*	A13DB	14	BN	3566715C1
D*	A13F	14	BN	3566715C1
D*	A104J	14	BN	3566715C1
D@%	A149D	18	GY	1661208C1
D	A149D	14	GY	3566715C1
D%#	A13A	14	GY	3566715C1
D%	A13	14	GY	3566715C1
D#&	A149AX	18	GY	1661208C1

KEY SWITCH CONN
(1100MA)
(LOCATED IN INSTRUMENT PANEL CENTER)

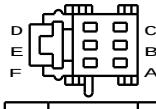


CONNECTOR 3546518C1
BODY LOCK 3546519C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A15	16	RD	1661208C1
B*	A17H	16	PK	1661208C1
B*	A17H	18	PK	1661208C1
B*	A17HAL	16	PK	1661208C1
B*	A17HAL	18	PK	1661208C1
B#	A149B	18	GY	1661208C1
C	A12	18	LTBL	1661208C1
C*	A12	14	PK	3566715C1
C%	A149C	18	GY	1661208C1
D*	A13F	14	BN	3566715C1
D	A13F	18	PK	1661208C1
D&	A149A	18	GY	1661208C1

* MUTUALLY EXCLUSIVE
\# ALLISON XMSN W/CENTER PANEL START
& IGN FEED-STANDARD W/CENTER CONTROLS
% W/ ACCESS FEED- CTR PNL

LOC 1 & 2 SWITCH PACK
(1101)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 2031871C1
BODY LOCK 2031873C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A11-GKD	18	WH	1661261C1
B	A12F	18	LTBL	1661261C1
C	A62DB	18	DKBL	1661261C1
D*	A3C(+)	18	DKBL	1661261C1
D*	A3A(+)	18	DKBL	1661261C1
E*	A3C(-)	18	GY	1661261C1
E*	A3A(-)	18	GY	1661261C1
F	PLUG	-	-	-

* MUTUALLY EXCLUSIVE

SWITCH PACK
(1101A)
(LOCATED IN INSTRUMENT PANEL CENTER)

CONNECTOR 2031872C1
BODY LOCK 2031874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A11-GJ	18	WH	1661262C1
B	A12FC	18	LTBL	1661262C1
C	A62S	18	DKBL	1661262C1
D	PLUG	-	-	-
E	PLUG	-	-	-
F	PLUG	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE
MJV04	16MAR16	REVISED AND REDRAWN.	F	93408J

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 021

Figure 564 Connector Composites (1100), (1100MA), (1101), (1101A)

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13.48. CONNECTOR COMPOSITES (1105), (1105A), (1106), P. 22

NAVISTAR, INC

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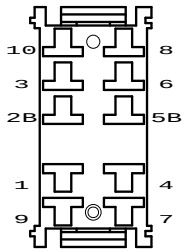
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ROCKER START SWITCH
(1105)
(LOCATED IN INSTRUMENT PANEL CENTER)

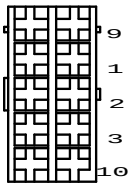


CONNECTOR 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2B	A13FJ	18	PK	1661224C1
3#	A17BA	16	PK	1661224C1
3#	A17H	16	PK	1661224C1
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	A62DH	18	DKBL	1661224C1
9	-	-	-	-
10	A62-GCB	18	WH	1661224C1

MUTUALLY EXCLUSIVE

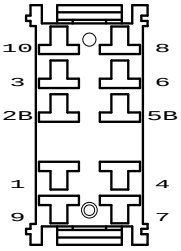
CAB DISCONNECT SWITCH
(1105A)



CONNECTOR 3530407C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1-6	PLUG	-	-	-
7	A12D	18	DKBL	3532119C1
8	PLUG	-	-	-
9	A9D-GD	18	WH	3532119C1
10	A12E	18	DKBL	3532119C1

IP AUX ROOF LOAD SWITCH
(1106)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2B	A12X	18	LTBL	1661224C1
3	A12Y	18	LTBL	3541250C1
	A12V	18	LTBL	3541250C1
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7	A12V	18	LTBL	1661224C1
8	A62DJ	18	DKBL	1661224C1
9	A12-GA	16	WH	1661224C1
10	-	-	-	-

CHK	DATE	CHANGE	REV.	REFERENCE
0638	22JUN15	ADDED R/D 1105A.	E	92974E

DRAWN	NAME
310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO.	DATE / PART NO. / SHEET
61229V	09JUN09 AE08058187 022

Figure 565 Connector Composites (1105), (1105A), (1106)

https://truckmanualshub.com/

13.49. CONNECTOR COMPOSITES (1107), (1108), P. 22A

NAVISTAR, INC

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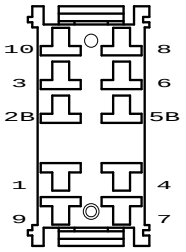
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

SNOW VALVE SWITCH
(1107)
(LOCATED IN INSTRUMENT PANEL CENTER)

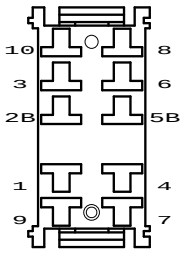


CONNECTOR 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	A23M	18	TN	1661224C1
1*	A9B	18	GY	1661224C1
2B*	A9ZC	18	GY	1661224C1
2B*	A13DA	18	PK	1661224C1
3	A23J	18	TN	1661224C1
4	A23L	18	TN	1661224C1
5B	A23-GAK	18	WH	1661224C1
6	A23K	18	TN	1661224C1
7*	A23H	18	TN	1661224C1
7*	A23A	18	TN	1661224C1
8*	A62DG	18	DKBL	1661224C1
8*	A62DG	18	LTBL	1661224C1
9	PLUG	-	-	-
10	A11-GA	18	WH	1661224C1

* MUTUALLY EXCLUSIVE

LEFT AXLE ENABLE SWITCH
(1108)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A59R	18	GY	1661224C1
2B	A59H	18	GY	1661224C1
3	-	-	-	-
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	A59T	18	GY	1661224C1
9	-	-	-	-
10	A59-GA	18	WH	1661224C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0610	12NOV13	INITIAL RELEASE.	A	92218B	MJV0088	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92218B	DATE 30JUL13
						PART NO. AE08058187
						SHEET 22A

Figure 566 Connector Composites (1107), (1108)

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13.50. CONNECTOR COMPOSITES (1109), (1109A), (1110), P. 23

NAVISTAR, INC

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

HYDRAULIC POWER PACK SWITCH
(1109)
(LOCATED IN INSTRUMENT PANEL CENTER)

CONNECTOR 3518182C1
BODY LOCK 3518184C1

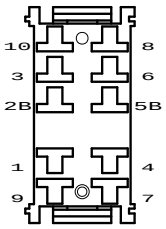
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A44A	18	GY	3518963C1
B	A90-M	18	GY	3518963C1

HYDRAULIC POWER PACK SWITCH
(1109A)
(LOCATED IN INSTRUMENT PANEL CENTER)

CONNECTOR 3518182C1
BODY LOCK 3518184C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A44AA	18	GY	3518963C1
B	A90-M	18	GY	3518963C1

AUX TRAILER SOCKET SWITCH
(1110)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A72D	18	OR	1661224C1
2B@	A110C	18	GY	1661224C1
2B@	A72B	16	OR	1661224C1
2B*	A72E	18	OR	1661224C1
3@	A72CA	18	OR	1661224C1
3@	A72FA	18	OR	1661226C1
3@	A72F	16	OR	1661226C1
3@	A72ED	18	OR	3541250C1
3@	A72EC	18	OR	3541250C1
4	PLUG	-	-	-
5B	PLUG	-	-	-
6	PLUG	-	-	-
7@	A72B	14	OR	1661226C1
7@	A72FA	18	OR	1661224C1
7@	A72ED	18	OR	1661224C1
8	A62DK	18	DKBL	1661224C1
9@	A72-GAM	18	WH	1661224C1
10@	A72-GB	18	WH	3541250C1
10@	A72-GD	18	WH	3541250C1

@ MUTUALLY EXCLUSIVE
* W/AUX TRAILER-CENTER PIN SW CONTROLLED.

CHK	DATE	CHANGE	REV.	REFERENCE
0488	25JUN14	ADDED CIRC A72E TO	F	92603H
	R/D 1110.			

DRAWN	NAME
310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V	DATE 09JUN09
PART NO. AE08058187	SHEET 023

Figure 567 Connector Composites (1109), (1109A), (1110)

https://truckmanualshub.com/

13.51. CONNECTOR COMPOSITES (1112), (1113), (1115), P. 23A

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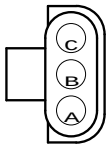
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

DRIVER SEAT BELT ALARM
(1112)
(LOCATED NEAR DRIVER SEAT)

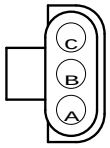


CONNECTOR 0587570C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A*	A79B	18	GY	0587576C1
A*	A79A	18	GY	0587576C1
B	PLUG	-	-	-
C*	A9BC	18	GY	0587576C1
C*	A9ZJ	18	GY	0587576C1

* MUTUALLY EXCLUSIVE

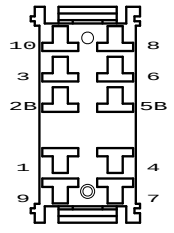
PASS SEAT BELT ALARM
(1113)
(LOCATED NEAR PASSENGER SEAT)



CONNECTOR 0587570C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A79C	18	GY	0587576C1
B	PLUG	-	-	-
C	A9BD	18	GY	0587576C1

ENGINE BRAKE
(1115)
(LOCATED BEHIND DASH PANEL)



CONNECTOR 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	-
2B	A24	18	GY	1661224C1
3	A97ZA	18	DKBL	1661224C1
4	PLUG	-	-	-
5B	PLUG	-	-	-
6	PLUG	-	-	-
7	PLUG	-	-	-
8	A62B	18	DKBL	1661224C1
9	PLUG	-	-	-
10	A62-G	18	WH	1661224C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0610	12NOV13	INITIAL RELEASE.	A	92218B	MJV0088	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92218B	DATE 30JUL13
						PART NO. AE08058187 SHEET 23A

Figure 568 Connector Composites (1112), (1113), (1115)

https://truckmanualshub.com/

13.52. CONNECTOR COMPOSITES (1116), (1120), (1200), P. 23B

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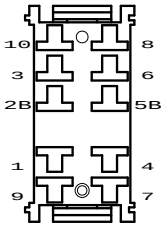
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

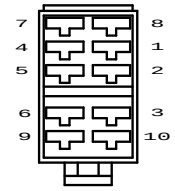
PASS CODE
(1116)
(LOCATED BEHIND CENTRAL PANEL TSS SWITCH PACK)



CONN 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	-
2B	A45D	18	WH	1661224C1
3	A14A	18	RD	1661224C1
4	PLUG	-	-	-
5B	PLUG	-	-	-
6	PLUG	-	-	-
7	PLUG	-	-	-
8	A62D	18	DKBL	1661224C1
9	PLUG	-	-	-
10	A62-GA	18	WH	1661224C1

LIFT SWITCH
(1120)
(LOCATED AT LEFT SIDE OF DRIVER SEAT)

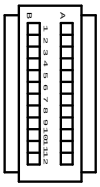


CONNECTOR 3546261C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	-
2	PLUG	-	-	-
3	PLUG	-	-	-
4	PLUG	-	-	-
5	A122AB	18	PL	1661224C1
6*	A122B	18	WH	3541250C1
6*	A122C	18	DKBL	3541250C1
7	A62-GAD	18	WH	1661224C1
8	A122C	18	DKBL	1661224C1
9	PLUG	-	-	-
10	PLUG	-	-	-

* MUTUALLY EXCLUSIVE

HVAC CONTROL
(1200)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3534302C1
BODY LOCK1 3539892C1
BODY LOCK2 3539893C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	A73A	18	LTGN	3522073C1
A2	A75D	18	LTGN	3522073C1
A3	PLUG	-	-	-
A4	A77	20	LTGN	3534303C1
A5	PLUG	-	-	-
A6	PLUG	-	-	-
A7	PLUG	-	-	-
A8	PLUG	-	-	-
A9	A75C	20	LTGN	3534303C1
A10	PLUG	-	-	-
A11	A75A	18	LTGN	3522073C1
A12	A62DA	18	DKBL	3522073C1
B1	A74D	18	LTGN	3522073C1
B2	A74E	18	LTGN	3522073C1
B3	PLUG	-	-	-
B4	PLUG	-	-	-
B5	PLUG	-	-	-
B6	A74-G	18	WH	3522073C1
B7	PLUG	-	-	-
B8	PLUG	-	-	-
B9	A74	18	LTGN	3522073C1
B10	A74A	18	LTGN	3522073C1
B11	A74B	18	LTGN	3522073C1
B12	A74C	18	LTGN	3522073C1

CHK	DATE	CHANGE	REV	REFERENCE
0610	12NOV13	INITIAL RELEASE.	A	92218B

DRAWN MJV0088 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 92218B | DATE 30JUL13 | PART NO. AE08058187 | SHEET 23B

Figure 569 Connector Composites (1116), (1120), (1200)

https://truckmanualshub.com/

13.53. CONNECTOR COMPOSITES (1210), (1220), (1227), P. 24

NAVISTAR, INC

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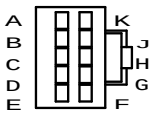
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

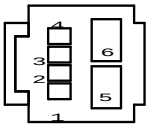
HVAC UNIT
(1210)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)



CONNECTOR 3837771C1
BODY LOCK 3540614C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A74	18	LTGN	1661261C1
B	A74A	18	LTGN	1661261C1
C	A74B	18	LTGN	1661261C1
D	A74C	18	LTGN	1661261C1
E	A75D	18	LTGN	1661261C1
F	A74E	18	LTGN	1661261C1
G	A75E	20	LTGN	3544254C1
H	A75ZVRA	18	GY	1661261C1
J	A77D	20	LTGN	3544254C1
K	A75ZVRB	18	GY	1661261C1

HVAC LPM
(1220)
(LOCATED ON RIGHT SIDE KICK PANEL HVAC LPM)



CONNECTOR 3627940C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	-
2	PLUG	-	-	-
3	PLUG	-	-	-
4	A75A	18	LTGN	3544884C1
5	A75-G	12	WH	3605694C1
6	A75	12	LTGN	3605694C1

LIFT AXLE CONTROL
(1227)
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)

CONNECTOR 1661889C1
BODY LOCK 1661890C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A59H	18	GY	1661261C1
B	A59J	18	GY	1661261C1
C	A59-GBM	16	WH	1661261C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0610	12NOV13	RMVD R/D 1228.	D	92218B	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 09JUN09 / PART NO. AE08058187 / SHEET 024

Figure 570 Connector Composites (1210), (1220), (1227)

https://truckmanualshub.com/

13.54. CONNECTOR COMPOSITES (1234), P. 24A

NAVISTAR, INC

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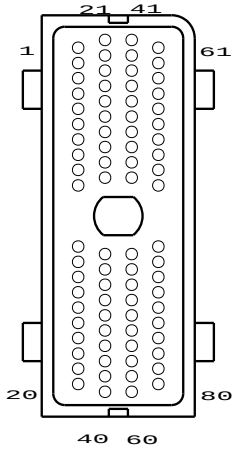
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

TRANS CONTROL MODULE
(1234)
(LOCATED ON TRANSMISSION)



CONNECTOR 3605713C1
BODY LOCK 3606525C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A92#101	18	LTBL	3686945C1
2	-	-	-	-
3	A92#103	18	YL	3686945C1
4	-	-	-	-
5	A92#105	18	OR	3686945C1
6	A5#106	18	YL	3686945C1
7	-	-	-	-
8	A5#108	18	GN	3686945C1
9	A92#109	18	GY	3686945C1
10	A92A110	18	PK	3686945C1
11	A92#111	18	OR	3686945C1
12	A92#112	18	PK	3686945C1
13	-	-	-	-
14	A92#114	18	GY	3686945C1
15	A92#115	18	WH	3686945C1
16	A92#116	18	LTBL	3686945C1
17	A92#117	18	LTBL	3686945C1
18	A92#118	18	GY	3686945C1
19	A92#119	18	LTBL	3686945C1
20	A92#120	18	LTBL	3686945C1
21	-	-	-	-
22	A92#122	18	YL	3686945C1
23	A92#123	18	LTGN	3686945C1
24	A92#124	18	WH	3686945C1
25	A47#125	18	TN	3686945C1
26	-	-	-	-

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
27	A5#127	18	GN	3686945C1
28	A5#128	18	YL	3686945C1
29	-	-	-	-
30	A92#130	18	WH	3686945C1
31	A92#131	18	YL	3686945C1
32	-	-	-	-
33	A92#133	18	YL	3686945C1
34	A92#134	18	WH	3686945C1
34*	A92#134	18	YL	3686945C1
35	-	-	-	-
36	A92#136	18	OR	3686945C1
37	A92#137	18	WH	3686945C1
38	A92#138	18	OR	3686945C1
39	A48#139	18	OR	3686945C1
40	A47#140	18	LTGN	3686945C1
41	A92#141	18	TN	3686945C1
42	A92#142	18	WH	3686945C1
43	A92#143	18	LTBL	3686945C1
44	-	-	-	-
45	A92#145	18	OR	3686945C1
46	-	-	-	-
47	-	-	-	-
48	-	-	-	-
49	-	-	-	-
50	A92#150	18	PK	3686945C1
51	A92#151	18	WH	3686945C1
52	A92#152	18	LTGN	3686945C1
53	A92#153	18	YL	3686945C1
54	A31#154	18	TN	3686945C1
55	A92#155	18	WH	3686945C1
56	A92#156	18	WH	3686945C1
57	A92#157	18	PK	3686945C1
58	A92#158	18	LTGN	3686945C1
59	A48#159	18	TN	3686945C1
60	A47#160	18	YL	3686945C1
61	A92#161	18	OR	3686945C1
62	A92#162	18	YL	3686945C1
63	A92#163	18	YL	3686945C1
64	A92#164	18	LTBL	3686945C1
65	A92#165	18	TN	3686945C1
66	-	-	-	-
67	-	-	-	-
68	-	-	-	-
69	A92#169	18	GY	3686945C1
70	A92#170	18	PK	3686945C1
71	A92#171	18	YL	3686945C1
72	-	-	-	-
73	A92#173	18	LTBL	3686945C1
74	A92#174	18	LTBL	3686945C1
75	A92#175	18	OR	3686945C1
76	A92#176	18	YL	3686945C1
77	A92#177	18	LTGN	3686945C1
78	A92#178	18	WH	3686945C1
79	A92#179	18	PK	3686945C1
80	A92#180	18	OR	3686945C1

W/ DURASTAR
* W/ALLISION XMSN

CHK	DATE	CHANGE	REV	REFERENCE

DRAWN MJV0370 | NAME CIRCUIT DIAGRAM, 42/42/44/85/8600 & 73/74/7500

RELEASE NO. 92372W | DATE 14DEC13 | PART NO. AE08058187 | SHEET 24A

Figure 571 Connector Composites (1234)

https://truckmanualshub.com/

13.55. CONNECTOR COMPOSITES (1235), (1236), P. 24B

NAVISTAR, INC

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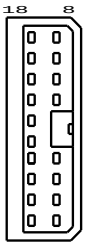
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

TRANS CONTROL MODULE 1
(1235)
(LOCATED ON TRANSMISSION)

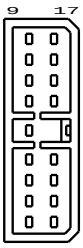


CONNECTOR 3627615C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	A92#101	18	LTBL	3627612C1
2*	A92#103	18	YL	3627612C1
3*	A92#105	18	OR	3627612C1
4*	A92#109	18	GY	3627612C1
5*	A92A110	18	PK	3627612C1
6*	A92#120	18	LTBL	3627612C1
6#	A92#117	18	LTBL	3627612C1
7*	A92#180	18	OR	3627612C1
7#	A92#112	18	YL	3627612C1
8*	A47#125	18	TN	3627612C1
8#	A47#123	18	LTGN	3627612C1
9*	A48#139	18	OR	3627612C1
9#*	A48#115	18	WH	3627612C1
10*	A48#159	18	TN	3627612C1
10#	A48#130	18	WH	3627612C1
11*	A92#142	18	WH	3627612C1
11#	A92#134	18	YL	3627612C1
12*	A92#143	18	LTBL	3627612C1
12#	A92#141	18	TN	3627612C1
13*	A92#150	18	PK	3627612C1
13#	A92#143	18	LTBL	3627612C1
14*	A47#140	18	LTGN	3627612C1
14#	A47#145	18	OR	3627612C1
15*	A47#160	18	YL	3627612C1
15#	A47#119	18	LTBL	3627612C1
16*	A92#163	18	YL	3627612C1
16#	A92#124	18	WH	3627612C1
17*	A92#165	18	TN	3627612C1
17#	A92#162	18	YL	3627612C1
18*	A92#169	18	GY	3627612C1
18#	A92#163	18	YL	3627612C1

W/ DURASTAR
W/ALLISION XMSN
* W/J1939 500K CAN BUS

TRANS CONTROL MODULE 2
(1236)
(LOCATED ON TRANSMISSION)



CONNECTOR 2042685C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A92#170	18	PK	3880571C1
2	A92#123	18	LTGN	3880571C1
3	A92#111	18	OR	3880571C1
4	A92#114	18	GY	3880571C1
5	A92#117	18	LTBL	3880571C1
6	A92#133	18	YL	3880571C1
7	A92#134	18	WH	3880571C1
8	A92#136	18	OR	3880571C1
9	A92#138	18	OR	3880571C1
10	A92#141	18	TN	3880571C1
11	A92#151	18	WH	3880571C1
12	A92#152	18	LTGN	3880571C1
13	A92#153	18	YL	3880571C1
14	A31#154	18	TN	3880571C1
15	A92#155	18	WH	3880571C1
16	A92#157	18	WH	3880571C1
17	A92#158	18	LTGN	3880571C1

W/J1939 500K CAN BUS

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A92#164	18	LT BL	3880571C1
2	A92#165	18	TN	3880571C1
3	A92#169	18	GY	3880571C1
4	A92#170	18	PK	3880571C1
5	A92#111	18	OR	3880571C1
6	A92#112	18	PK	3880571C1
7	A92#116	18	LT BL	3880571C1
8	A92#177	18	LT GN	3880571C1
9	A92#131	18	YL	3880571C1
10	A92#133	18	YL	3880571C1
11	A92#136	18	OR	3880571C1
12	A92#137	18	WH	3880571C1
13	A92#158	18	LT GN	3880571C1
14	A92#171	18	YL	3880571C1
15	A92#151	18	WH	3880571C1
16	A92#152	18	LT GN	3880571C1
17	A31#154	18	TN	3880571C1

W/ALLISION XMSN

CHK	DATE	CHANGE	REV	REFERENCE
_	_	REVISED AND REDRAWN.	B	93248U

DRAWN MJV0370
NAME CIRCUIT DIAGRAM, 42/42/44/85/8600 & 73/74/7500
RELEASE NO. 92372W
DATE 14DEC13
PART NO. AE08058187
SHEET 24B

Figure 572 Connector Composites (1235), (1236)

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13.56. CONNECTOR COMPOSITES (1237), P. 24C

NAVISTAR, INC

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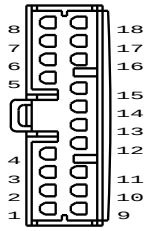
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

TRANS CONTROL MODULE 3
(1237)
(LOCATED ON TRANSMISSION)



CONNECTOR 2018589C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A92#171	18	YL	2018639C1
2	A92#173	18	LT BL	2018639C1
3	A92#174	18	LT BL	2018639C1
4	A92#176	18	YL	2018639C1
5	A92#177	18	LT GN	2018639C1
6	A92#178	18	WH	2018639C1
7	A92#179	18	PK	2018639C1
8	A92#145	18	OR	2018639C1
9	A5#127	18	GN	2018639C1
10	A5#106	18	YL	2018639C1
11	-	-	-	-
12	-	-	-	-
13	-	-	-	-
14	A92A131	18	YL	2018639C1
15	A92#161	18	OR	2018639C1
16	A92A137	18	WH	2018639C1
17	-	-	-	-
18	-	-	-	-

W/J1939 500K CAN BUS

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A48#139	18	OR	2018639C1
2	A47#140	18	LT GN	2018639C1
3	A92#120	18	LT BL	2018639C1
4	A5#127	18	GN	2018639C1
4	A5#108	18	GN	2018639C1
5	A92#155	18	WH	2018639C1
6	A92#174	18	LT BL	2018639C1
7	A92#176	18	YL	2018639C1
8	A47#125	18	TN	2018639C1
9	A48#159	18	TN	2018639C1
10	A47#160	18	YL	2018639C1
11	A92#180	18	OR	2018639C1
12	A5#106	18	YL	2018639C1
12	A5#128	18	YL	2018639C1
13	A92#142	18	WH	2018639C1
14	A92#156	18	PK	2018639C1
15	A92#161	18	OR	2018639C1
16	A92#175	18	OR	2018639C1
17	A92#157	18	WH	2018639C1
18	A92#118	18	GY	2018639C1

W/ALLISION XMSN

CHK	DATE	CHANGE	REV	REFERENCE
0488	09SEP15	INITIAL RELEASE.	A	93248U

DRAWN: MJV0223
NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO.: 93248U
DATE: 19AUG15
PART NO.: AE08058187
SHEET: 24C

Figure 573 Connector Composites (1237)

https://truckmanualshub.com/

13.57. CONNECTOR COMPOSITES (1240F), (1241F), P. 25

NAVISTAR, INC

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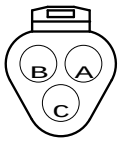
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

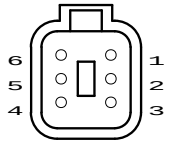
VORAD RIGHT SIDE SENSOR (1240F)
(LOCATED BY LEFT FRAME RAIL NEAR BACK OF CAB)



CONNECTOR 3519059C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	N73R	16	LTBL	1680206C1
B	N73M	16	LTBL	1680206C1
C	N73AF	16	LTBL	1680206C1

VORAD RIGHT SIDE SENSOR (1241F)
(LOCATED BY LEFT FRAME RAIL NEAR BACK OF CAB)



CONNECTOR 3673640C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N67AB	16	PK	3572626C1
2	N67-GC	16	WH	3572626C1
3	N67B	16	GY	3572626C1
4	N67C	16	GY	3572626C1
5	N67D	16	GY	3572626C1
6	-	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	24JAN14	REMOVED R/D 1229,	D	92372W	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		1230F AND 1231.			RELEASE NO. 61229V	DATE 09JUN09 / PART NO. AE08058187 / SHEET 025

Figure 574 Connector Composites (1240F), (1241F)

https://truckmanualshub.com/

13.58. CONNECTOR COMPOSITES (1242), (1243), (1300), (1300A), P. 26

NAVISTAR, INC

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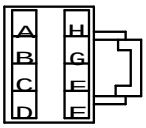
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

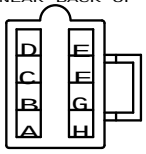
MOBILEMAX POWER INPUT
(1242)
(LOCATED INSIDE NEAR BACK OF CAB LEFT SIDE)



CONNECTOR 2005835C1
BODY LOCK 2006503C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A14AF	18	RD	1661208C1
B	A14AH	18	RD	1661208C1
C	A11-GBE	18	WH	1661208C1
D	A11-GBF	18	WH	1661208C1
E	A13FG	18	PK	1661208C1
F	A3AB(+)	18	DKBL	1661208C1
G	A3AB(-)	18	GY	1661208C1
H	PLUG	-	-	-

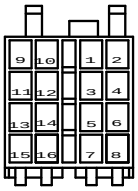
MOBILEMAX DISCRETE I/O
(1243)
(LOCATED INSIDE NEAR BACK OF CAB LEFT SIDE)



CONNECTOR 2005836C1
BODY LOCK 2006504C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	PLUG	-	-	-
B	A62B	18	DKBL	1661212C1
C	PLUG	-	-	-
D	PLUG	-	-	-
E	PLUG	-	-	-
F	PLUG	-	-	-
G	PLUG	-	-	-
H	PLUG	-	-	-

RADIO
(1300)
(LOCATED IN INSTRUMENT PANEL)

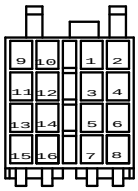


CONNECTOR 3597143C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A86C(+)	18	YL	3597102C1
2	A86C(-)	18	GN	3597102C1
3	A54D	18	BN	3597102C1
4	A86	18	LTGN	3597102C1
5	PLUG	-	-	-
6	A62E	18	DKBL	3597102C1
7	A86A	18	LTGN	3597102C1
8	A86-G	18	WH	3597102C1
9	A86DA	20	LTGN	3597102C1
10	A86EA	20	LTGN	3597102C1
11*	A86K	20	LTGN	3597102C1
11#	A86K	18	LTGN	3597102C1
12*	A86L	20	LTGN	3597102C1
12#	A86L	18	LTGN	3597102C1
13*	A86H	20	LTGN	3597102C1
13#	A86H	18	LTGN	3597102C1
14*	A86J	20	LTGN	3597102C1
14#	A86J	18	LTGN	3597102C1
15	A86BA	20	LTGN	3597102C1
16	A86CA	20	LTGN	3597102C1

* W/ PREM TRIM
\# W/ QUALCOMM OMNIVISION

RADIO
(1300A)
LOCATED IN INSTRUMENT PANEL)



CONNECTOR 3597143C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	-
2	PLUG	-	-	-
3	A54D	18	BN	3597102C1
4	A86AE	18	LTGN	3597102C1
5	PLUG	-	-	-
6	A62E	18	DKBL	3597102C1
7	A86A	18	LTGN	3597102C1
8	A86-G	18	WH	3597102C1
9	A86DA	20	LTGN	3597102C1
10	A86EA	20	LTGN	3597102C1
11	A86K	20	LTGN	3597102C1
12	A86L	20	LTGN	3597102C1
13	A86H	20	LTGN	3597102C1
14	A86J	20	LTGN	3597102C1
15	A86BA	20	LTGN	3597102C1
16	A86CA	20	LTGN	3597102C1

CHK	DATE	CHANGE	REV	REFERENCE
0610	12NOV13	ADDED R/D 1300A &	D	92218B
	MVD R/D	1301,1338M.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 026

Figure 575 Connector Composites (1242), (1243), (1300), (1300A)

https://truckmanualshub.com/

13.59. CONNECTOR COMPOSITES (1301), (1302), P. 26A

NAVISTAR, INC

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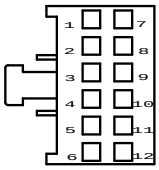
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

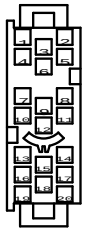
RADIO CONNECTOR
(1301)
(LOCATED IN INSTRUMENT PANEL - RADIO)



CONNECTOR 3580403C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A86H	20	LTGN	3580404C1
2	A86J	20	LTGN	3580404C1
3	A86BA	20	LTGN	3580404C1
4	A86CA	20	LTGN	3580404C1
5	A86-G	20	WH	3580404C1
6	A86	20	LTGN	3580404C1
7	A86K	20	LTGN	3580404C1
8	A86L	20	LTGN	3580404C1
9	A86DA	20	LTGN	3580404C1
10	A86EA	20	LTGN	3580404C1
11	PLUG	-	-	-
12	A86AA	20	LTGN	3580404C1

RADIO CONN
(1302)
LOCATED IN INSTRUMENT PANEL-RADIO)



CONNECTOR 3600061C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	-
2	PLUG	-	-	-
3	PLUG	-	-	-
4	PLUG	-	-	-
5	A86W	18	LTGN	3600062C1
6	PLUG	-	-	-
7	A86GA	20	LTGN	3600062C1
8	PLUG	-	-	-
9	A86GC	20	LTGN	3600062C1
10	A86GB	20	LTGN	3600062C1
11	A86GD	20	LTGN	3600062C1
12	PLUG	-	-	-
13	PLUG	-	-	-
14	PLUG	-	-	-
15	A86A(+)	20	LTGN	3600062C1
16	A86A(-)	20	LTGN	3600062C1
17	PLUG	-	-	-
18	PLUG	-	-	-
19	PLUG	-	-	-
20	PLUG	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0610	12NOV13	ADDED R/D 1301 & 1302	B	92218B	MJV0195	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	AND MVD	R/D 1378.			RELEASE NO. 92218B	DATE 31JUL13 PART NO. AE08058187 SHEET 26A

Figure 576 Connector Composites (1301), (1302)

https://truckmanualshub.com/

13.60. CONNECTOR COMPOSITES (1303), (1338M), (1378), P. 26B

NAVISTAR, INC

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

RADIO CONN
(1303)
LOCATED IN INSTRUMENT PANEL-RADIO)

CONNECTOR 3755845C1

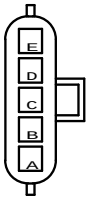
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A86K	20	LTGN	3703731C1
2	A86H	20	LTGN	3703731C1
3	A86L	20	LTGN	3703731C1
4	A86J	20	LTGN	3703731C1
5	A86DA	20	LTGN	3703731C1
6	PLUG	-	-	-
7	A86EA	20	LTGN	3703731C1
8	PLUG	-	-	-
9	A86BA	20	LTGN	3703731C1
10	PLUG	-	-	-
11	A86CA	20	LTGN	3703731C1
12	PLUG	-	-	-
13	A86	20	LTGN	3703731C1
14	PLUG	-	-	-
15	A86AA	20	LTGN	3703732C1
16	A86-G	20	WH	3703732C1

MVPC POWER
(1338M)
(LOCATED AT INSTRUMENT PANEL RIGHT SIDE)

CONNECTOR 1669972C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A14MV	16	RD	1661209C1
B	A11-GBE	16	WH	1661209C1

COOLANT MODULE
(1378)
(LOCATED IN FRONT OF ENGINE)



CONNECTOR 1687789C1
BODY LOCK 1661376C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K99D-C	18	PL	2033819C1
B	K34	16	TN	2033819C1
C	K34E	16	TN	2033819C1
D	K95-GD	18	WH	2033819C1
E	K95A1	16	TN	2033819C1

CHK	DATE	CHANGE	REV.	REFERENCE
0610	12NOV13	INITIAL RELEASE.	A	92218B

DRAWN MJV0088
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92218B
DATE 30JUL13
PART NO. AE08058187
SHEET 26B

Figure 577 Connector Composites (1303), (1338M), (1378)

https://truckmanualshub.com/

13.61. CONNECTOR COMPOSITES (1400), (1401), P. 27

NAVISTAR, INC

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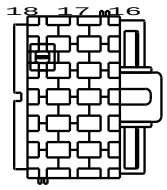
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ABS#1
(1400)
(LOCATED ON RIGHT SIDE KICK PANEL ABS MODULE)

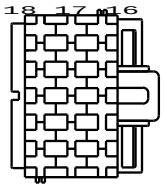


CONNECTOR 3596926C1
BODY LOCK 3562309C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A94-GA	12	WH	3597157C1
2	PLUG	-	-	-
3	A94V	18	GY	3598072C1
4	A94BN	16	GY	3598073C1
5	A94BM	16	GY	3598073C1
6	PLUG	-	-	-
7	A5N(-)	18	GN	3598072C1
7*	A5DA(-)	18	GN	3598072C1
7*	A5NA(+)	18	YL	3598072C1
8	A5N(+)	18	YL	3598072C1
8*	A5DA(+)	18	YL	3598072C1
8*	A5NA(-)	18	GN	3598072C1
9	PLUG	-	-	-
10	A94BH	16	GY	3598073C1
11	A94BF	16	GY	3598073C1
12	PLUG	-	-	-
13	A3BA(-)	18	GY	3598072C1
14	A3BA(+)	18	DKBL	3598072C1
15	PLUG	-	-	-
16	A94AY	12	RD	3597157C1
17	PLUG	-	-	-
18	PLUG	-	-	-

* MUTUALLY EXCLUSIVE

ABS#2
(1401)
(LOCATED ON RIGHT SIDE KICK PANEL ABS MODULE)



CONNECTOR 3596929C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A94B	16	GY	3598073C1
2	A94	16	GY	3598073C1
3	A94A	16	GY	3598073C1
4	A94K	16	GY	3598073C1
5	A94C	16	GY	3598073C1
6	A94J	16	GY	3598073C1
7	A94H	16	GY	3598073C1
8	A94D	16	GY	3598073C1
9	A94BK	16	GY	3598073C1
10	A94BL	16	GY	3598073C1
11	A94E	16	GY	3598073C1
12	A94BB	16	GY	3598073C1
13	A94BJ	16	GY	3598073C1
14	A94F	16	GY	3598073C1
15	A94BE	16	GY	3598073C1
16	A94BC	16	GY	3598073C1
17	A94BA	16	GY	3598073C1
18	A94BD	16	GY	3598073C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	09SEP15	ADDED CIRC AT CAV	D	93248U	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	7,8 AT R/D 1400.				RELEASE NO. 61229V	DATE 09JUN09 PART NO. AE08058187 SHEET 027

Figure 578 Connector Composites (1400), (1401)

https://truckmanualshub.com/

13.62. CONNECTOR COMPOSITES (1402), P. 27A

NAVISTAR, INC

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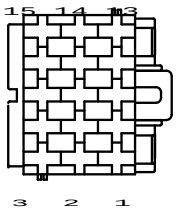
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ABS# 3
(1402)
(LOCATED ON RIGHT SIDE KICK PANEL ABS MODULE)



CONNECTOR 3596928C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	-
2	A94AA	16	GY	3598073C1
2%	A94AA	14	GY	3598073C1
3*	A94AB	16	GY	3598073C1
3*	A94AC	16	GY	3598073C1
3*	A94SK	16	GY	3598073C1
3*	A94SK	18	GY	3598072C1
3%	A95AB	14	GY	3598073C1
4	A94BP	16	GY	3598073C1
5	A94SJ	18	GY	3598072C1
5&	A94SJ	16	GY	3598073C1
6	A94BY	16	GY	3598073C1
7*	A94LA	18	GY	3598072C1
7*	A94BZ	16	GY	3598073C1
8	PLUG	-	-	-
9*	A94LB	18	GY	3598072C1
9*	A94BT	16	GY	3598073C1
10*	A94LC	18	GY	3598072C1
10*	A94BU	16	GY	3598073C1
11*	A94LD	18	GY	3598072C1
11*	A94BR	16	GY	3598073C1
12*	A94LF	18	GY	3598072C1
12*	A94BW	16	GY	3598073C1
13	A94BS	16	GY	3598073C1
14*	A94LE	18	GY	3598072C1
14*	A94BQ	16	GY	3598073C1
15*	A94LG	18	GY	3598072C1
15*	A94BV	16	GY	3598073C1

* MUTUALLY EXCLUSIVE
% W/AIR BRAKE W/HSA
& ABS W/RSP & ESP & M-NGV-RH-HDD

CHK	DATE	CHANGE	REV.	REFERENCE
0488	25JUN14	ADDED CIRC A94AA,	B	92603H
	A95AB &	A94SJ TO CAV 2,3 & 5 RESP.		

DRAWN MJV0088 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92218B | DATE 30JUL13 | PART NO. AE08058187 | SHEET 27A

Figure 579 Connector Composites (1402)

https://truckmanualshub.com/

13.63. CONNECTOR COMPOSITES (1403), (1410), P. 28

NAVISTAR, INC

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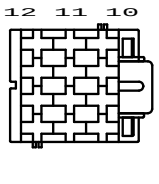
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ABS #4
(1403)
(LOCATED AT RIGHT SIDE KICK PANEL ABS MODULE)

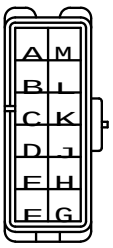


CONNECTOR 3596927C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	A94SZD	16	GY	3598073C1
1*	A94SZ	18	GY	3598072C1
1*	A94SZD	18	GY	3598072C1
2*	A94SE	16	GY	3598073C1
2*	A94SE	18	GY	3598072C1
3*	A94SH	16	GY	3598073C1
3*	A94SH	18	GY	3598072C1
4*	A94SVD	16	GY	3598073C1
4*	A94SV	18	GY	3598072C1
4*	A94VSD	18	GY	3598072C1
5*	A94SF	16	GY	3598073C1
5*	A94SF	18	GY	3598072C1
6*	A94SL	16	GY	3598073C1
6*	A94SL	18	GY	3598072C1
7	A94SDA	18	GY	3598072C1
8	A94SBA	18	GY	3598072C1
9*	A94SM	16	GY	3598073C1
9*	A94SM	18	GY	3598072C1
10	A94SCA	18	GY	3598072C1
11	A94SAA	18	GY	3598072C1
12*	A94SN	16	GY	3598073C1
12*	A94SN	18	GY	3598072C1

* MUTUALLY EXCLUSIVE

ABS ESP / RSP ADAPTER
(1410)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3601838C1
BODY LOCK 3601839C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A94SAA	18	GY	3534164C1
B	A94SAB	18	GY	3534164C1
C*	A94SA	20	GY	3535484C1
C*	A94SA	18	GY	3534164C1
D	A94SCA	18	GY	3534164C1
E	A94SCB	18	GY	3534164C1
F*	A94SC	20	GY	3535484C1
F*	A94SC	18	GY	3534164C1
G	A94SBA	18	GY	3534164C1
H	A94SBB	18	GY	3534164C1
J*	A94SB	20	GY	3535484C1
J*	A94SB	18	GY	3534164C1
K	A94SDA	18	GY	3534164C1
L	A94SDB	18	GY	3534164C1
M*	A94SD	20	GY	3535484C1
M*	A94SD	18	GY	3534164C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0610	12NOV13	ADDED BODY LOCK FOR	C	92218B	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	R/D 1410.				RELEASE NO. 61229V	DATE 09JUN09 PART NO. AE08058187 SHEET 028

Figure 580 Connector Composites (1403), (1410)

https://truckmanualshub.com/

13.64. CONNECTOR COMPOSITES (1420), (1421), P. 29

NAVISTAR, INC

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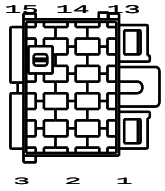
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

WABCO ABS CONN
(1420)
(LOCATED ON RIGHT SIDE KICK PANEL ABS MODULE)

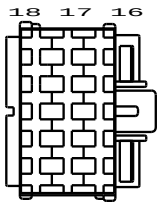


CONNECTOR 3557922C1
BODY LOCK 3549120C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A5N(-)	18	GN	3548971C1
1*	A5EA(-)	18	GN	3548971C1
1*	A5NB(-)	18	GN	3548971C1
2	PLUG	-	-	-
3	A5N(+)	18	YL	3548971C1
3*	A5EA(+)	18	YL	3548971C1
3*	A5NB(+)	18	YL	3548971C1
4	A94A-G1	18	WH	3548971C1
5	PLUG	-	-	-
6	PLUG	-	-	-
7	A94V	14	GY	3548972C1
8	A94AY	14	GY	3548972C1
9	A94A-G2	16	WH	3548970C1
10	A3BA(-)	18	GY	3548971C1
11	A3BA(+)	18	DKBL	3548971C1
12	PLUG	-	-	-
13	PLUG	-	-	-
14	PLUG	-	-	-
15	PLUG	-	-	-

* MUTUALLY EXCLUSIVE

WABCO ABS CONN
(1421)
(LOCATED ON RIGHT SIDE KICK PANEL ABS MODULE)



CONNECTOR 3557921C1
BODY LOCK 3562309C1

* MUTUALLY EXCLUSIVE
% BRAKE W/ WABCO

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A94AK	14	GY	3548972C1
2*	A94A	18	GY	3548971C1
2*	A94WR	18	GY	3548971C1
2%	A94WR	14	GY	3548972C1
3	A94AB	18	GY	3548971C1
3%	A94AB	14	GY	3548972C1
4	A94AH	18	GY	3548971C1
4%	A94AH	14	GY	3548972C1
5*	A94B	18	GY	3548971C1
5*	A94WN	18	GY	3548971C1
5%	A94WN	14	GY	3548972C1
6	A94AL	18	GY	3548971C1
6%	A94AL	14	GY	3548972C1
7	A94WZ	18	GY	3548971C1
8*	A94C	18	GY	3548971C1
8*	A94WW	18	GY	3548971C1
8%	A94WW	14	GY	3548972C1
9*	A94D	18	GY	3548971C1
9*	A94WU	18	GY	3548971C1
9%	A94WU	14	GY	3548972C1
10	A94AE	18	GY	3548971C1
11*	A94E	18	GY	3548971C1
11*	A94WL	18	GY	3548971C1
12	A94AC	18	GY	3548971C1
13	A94AF	18	GY	3548971C1
14*	A94F	18	GY	3548971C1
14*	A94WM	18	GY	3548971C1
15	A94AD	18	GY	3548971C1
16	A94WX	18	GY	3548971C1
17*	A94G	18	GY	3548971C1
17*	A94WS	18	GY	3548971C1
18*	A94H	18	GY	3548971C1
18*	A94WT	18	GY	3548971C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	09SEP15	ADDED CIRC AT CAV	F	93248U
		1,3 AT R/D 1420.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 029

Figure 581 Connector Composites (1420), (1421)

https://truckmanualshub.com/

13.65. CONNECTOR COMPOSITES (1422), (1423), (1500), P. 29A

NAVISTAR, INC

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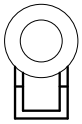
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

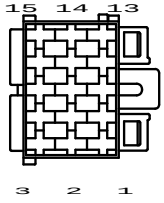
DCM BRAKES
(1422)
(LOCATED IN CAB)



CONNECTOR 1669834C1
BODY LOCK 1675053C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A12A	16	LTBL	2033911C1

WABCO ABS CONN
(1423)
(LOCATED ON RIGHT SIDE KICK PANEL ABS MODULE)

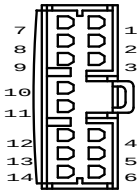


CONNECTOR 3548978C1
BODY LOCK 3549120C1

% - W/ BRAKE - WABCO AIR ABC/AIR ATC

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	-
2	A94WM	18	GY	3548971C1
3	A94WR	18	GY	3548971C1
3%	A94WR	14	GY	3548972C1
4	PLUG	-	-	-
5	A94WL	18	GY	3548971C1
6	A94WN	18	GY	3548971C1
6%	A94WN	14	GY	3548972C1
7	PLUG	-	-	-
8	PLUG	-	-	-
9	PLUG	-	-	-
10	PLUG	-	-	-
11	A94WS	18	GY	3548971C1
12	A94WW	18	GY	3548971C1
12%	A94WW	14	GY	3548972C1
13	PLUG	-	-	-
14	A94WT	18	GY	3548971C1
15	A94WU	18	GY	3548971C1
15%	A94WU	14	GY	3548972C1

CLUSTER CONNECTOR
(1500)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3548792C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A28-G	16	WH	2018639C1
2	A28	16	TN	2018639C1
3	PLUG	-	-	-
4	A62	18	DKBL	2018639C1
*5	A62DA	18	DKBL	2018639C1
*5	A62BD	18	DKBL	2018639C1
*6	A62P	18	DKBL	2018639C1
*6	A62BE	18	GY	2018639C1
7	A28A	18	TN	2018639C1
8	A110AD	18	GY	2018639C1
9	A72CA	18	OR	2018639C1
10	A72D	18	OR	2018639C1
11	PLUG	-	-	-
12	PLUG	-	-	-
13	PLUG	-	-	-
14	A52C	20	YL	2018639C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	ADDED CIRC A94WW AND	B	92603H
		A94WU TO R/D 1423.		

DRAWN: MJV0088
RELEASE NO.: 92218B
NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
DATE: 30JUL13
PART NO.: AE08058187
SHEET: 29A

Figure 582 Connector Composites (1422), (1423), (1500)

https://truckmanualshub.com/

13.66. CONNECTOR COMPOSITES (1501), P. 30

NAVISTAR, INC

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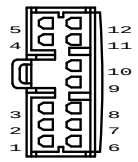
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CLUSTER CONNECTOR (1501)
(LOCATED IN INSTRUMENT PANEL CENTER)

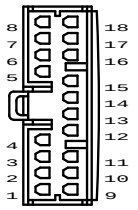


CONNECTOR 2018590C1

* MUTUALLY EXCLUSIVE
# W/ ISB ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A110B	18	GY	2018639C1
2*	A106B	18	GY	2018639C1
2*	A106	18	GY	2018639C1
3	PLUG	-	-	-
4	A110C	18	GY	2018639C1
5	PLUG	-	-	-
6	PLUG	-	-	-
7	A61B	18	GY	2018639C1
8	A61	18	GY	2018639C1
9	A41	18	GY	2018639C1
10	A50	20	YL	2018639C1
11*	A5D(-)	18	GN	2018639C1
11*	A5RN(-)	18	GN	2018639C1
11#	A5RJ(-)	18	GN	2018639C1
12*	A5RN(+)	18	YL	2018639C1
12*	A5D(+)	18	YL	2018639C1
12#	A5RJ(+)	18	YL	2018639C1

TRANSMISSION MODULE 1
(1501)
(LOCATED ON TRANSMISSION)



CONNECTOR 2018589C1

* W/ALLISON GEN5 3000/3500 TRANSMISSION IN CAB & AUTO NEUTRAL (13AAZ)
# W/ALLISON GEN5 3000/3500 TRANSMISSION IN CAB
@ W/I6 2010 SCR ENGINE
% W/MXF13L SCR ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K92#101	18	LTBL	2018639C1
2	K92#103	18	YL	2018639C1
3%	K92#105	18	TN	2018639C1
3@	K92#105	18	OR	2018639C1
4%	K92#109	18	GY	2018639C1
4@	K92#109	18	WH	2018639C1
4@	K92C109	18	GY	2018639C1
5%	K92#110	18	PK	2018639C1
5@	K92A110	18	YL	2018639C1
5@	K92B110	18	GY	2018639C1
5#	K92#110	18	RD	2018639C1
6*	K92A117	18	TN	2018639C1
6#	K92#117	18	TN	2018639C1
6@	K92#120	18	LTBL	2018639C1
6@	K92#117	18	LTBL	2018639C1
7%	K92#122	18	YL	2018639C1
7@	K92#180	18	YL	2018639C1
8%	K92#123	18	LTBL	2018639C1
8@	K92#123	18	LTGN	2018639C1
8@	K47#125	18	TN	2018639C1
9%	K92#115	18	WH	2018639C1
9@	K48#139	18	OR	2018639C1
10%	K92#130	18	WH	2018639C1
10@	K48#159	18	TN	2018639C1
11%	K92#134	18	TN	2018639C1
11@	K92#142	18	WH	2018639C1
11@	K92#134	18	YL	2018639C1
12%	K92#141	18	TN	2018639C1
12@	K92A141	18	WH	2018639C1
12@	K92#143	18	LTBL	2018639C1
13%	K92#143	18	LTBL	2018639C1
13@	K92#150	18	PK	2018639C1
14%	K92#145	18	OR	2018639C1
14@	K47#140	18	LTGN	2018639C1
15%	K92#119	18	LTBL	2018639C1
15@	K47#160	18	YL	2018639C1
16%	K92#124	18	TN	2018639C1
16@	K92#163	18	YL	2018639C1
16#	K92#124	18	WH	2018639C1
17%	K92#162	18	YL	2018639C1
17@	K92#165	18	TN	2018639C1
18%	K92#163	18	TN	2018639C1
18@	K92#169	18	YL	2018639C1

CHK	DATE	CHANGE	REV.	REFERENCE
0488	24MAR15	REVISED AND REDRAWN.	G	92927M

DRAWN 310615 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V | DATE 09JUN09 | PART NO. AE08058187 | SHEET 030

Figure 583 Connector Composites (1501)

https://truckmanualshub.com/

13.67. CONNECTOR COMPOSITES (1502), P. 30A

NAVISTAR, INC

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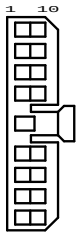
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

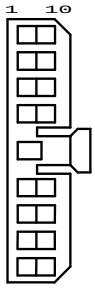
TRANSMISSION MODULE 2
(1502)
(LOCATED ON TRANSMISSION)



CONNECTOR 1661603C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K92#164	18	LTBL	3717171C1
2	K92#165	18	TN	3717171C1
3	K92#169	18	TN	3717171C1
4	K92#170	18	TN	3717171C1
5	K92#111	18	OR	3717171C1
6	K92#112	18	TN	3717171C1
7	K92#116	18	LTBL	3717171C1
8	K92#177	18	LTGN	3717171C1
9	K92#131	18	YL	3717171C1
10	K92#133	18	YL	3717171C1
11	K92#136	18	OR	3717171C1
12	K92#137	18	TN	3717171C1
13	K92#158	18	LTGN	3717171C1
14	K92#171	18	TN	3717171C1
15	K92#151	18	WH	3717171C1
16	K92#152	18	LTGN	3717171C1
17	K92#154	18	TN	3717171C1

TRANS MODULE 2
(1502)
(LOCATED AT LEFT SIDE OF TRANSMISSION)



CONNECTOR 1661601C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	K92#170	18	PK	3717171C1
1**	K92#164	18	LTBL	3717171C1
2**	K92#165	18	TN	3717171C1
2#	K92#123	18	LTGN	3717171C1
3##	K92B169	18	GY	3717171C1
3&&	K92#169	18	WH	3717171C1
3&&	K92#169	18	GY	3717171C1
3@	K92#111	18	OR	3717171C1
4##	K92#170	18	RD	3717171C1
4@	K92#114	18	GY	3717171C1
5@	K92#117	18	LTBL	3717171C1
5**	K92#111	18	OR	3717171C1
6&	K92A112	18	PK	3717171C1
6@	K92#133	18	YL	3717171C1
7@	K92#134	18	WH	3717171C1
7**	K92#116	18	LTBL	3717171C1
8@	K92#136	18	OR	3717171C1
8**	K92#177	18	LTGN	3717171C1
9&	K92A131	18	PK	3717171C1
9@	K92#138	18	OR	3717171C1
9**	K92#131	18	YL	3717171C1
9**	K92A131	18	YL	3717171C1
10	K92#141	18	TN	3717171C1
10**	K92#133	18	YL	3717171C1
11@	K92#151	18	WH	3717171C1
11**	K92#136	18	OR	3717171C1
11%	K92#151	18	TN	3717171C1
12@	K92#152	18	LTGN	3717171C1
12**	K92#137	18	WH	3717171C1
13&	K92A158	18	LTGN	3717171C1
13@	K92#153	18	YL	3717171C1
14@	K31#154	18	TN	3717171C1
14**	K92#171	18	YL	3717171C1
15@	K92#155	18	WH	3717171C1
15**	K92#151	18	WH	3717171C1
16@	K92#157	18	WH	3717171C1
16**	K92#152	18	LTGN	3717171C1
17@	K92#158	18	LTGN	3717171C1
17**	K31#154	18	TN	3717171C1

* 2000 XMSN W/TCM LOCATION INSIDE CAB W/ RSM UC BATT BOX
** WTEC MD, STANDARD W/GEN4 IN CAB W/MID/HIGH CAB
# ALLISON LCT W/GEN4 IN CAB, W/BODY BUILDER W/MID/HIGH CAB
CLEAN POWER FEED, 3/4000 XMSN W/TCM LOCATION INSIDE CAB W/ RSM UC BATT BOX
@ ALLISON LCT GEN4 W/6TH GEAR IN CAB W/LOW CAB
& WTEC MD, W/RETARDER HWRD W/GEN4 IN CAB W/MID/HIGH CAB
% ALLISON LCT W/GEN4 IN CAB, N/BODY BUILDER W/MID/HIGH CAB
&& W/I6 2010 SCR ENGINE

CHK	DATE	CHANGE	REV	REFERENCE
0488	24MAR15	COLOUR RD WAS GY IN	H	92927M
		CAV 4 CONNECTOR 1661601C1.		

DRAWN 360070 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 62476L | DATE 18NOV09 | PART NO. AE08058187 | SHEET 30A

Figure 584 Connector Composites (1502)

https://truckmanualshub.com/

13.68. CONNECTOR COMPOSITES (1503), (1510), P. 30B

NAVISTAR, INC

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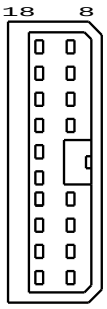
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

TRANSMISSION MODULE 3
(1503)
(LOCATED AT LEFT SIDE OF TRANSMISSION)

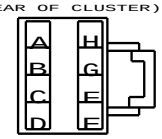


CONNECTOR 3627615C1

* W/ALLISON GEN4 3000/3500 TRANSMISSION IN CAB
\# W/ALLISON GEN4 4000/4500 TRANSMISSION IN CAB
** W/2013 IBB ENGINE
@ W/I6 I-367 ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K48#139	18	OR	3627612C1
1	K92#171	18	YL	3627612C1
2	K92#173	18	LTBL	3627612C1
2	K47#140	18	LTGN	3627612C1
2	K92#173	18	LTBL	3627612C1
3**	K92#120	18	LTBL	3627612C1
3	K92#174	18	LTBL	3627612C1
3	K92C120	18	LTBL	3627612C1
3	K92A120	18	LTBL	3627612C1
4**	K5B108	18	GN	3627612C1
4	K92#176	18	YL	3627612C1
4@	K5A108	18	GN	3627612C1
4**	K5B127	18	GN	3627612C1
4	K5#127	18	GN	3627612C1
4&	K5#108	18	GN	3627612C1
5**	K92#155	18	TN	3627612C1
5@	K92#177	18	LTGN	3627612C1
5	K92#155	18	WH	3627612C1
5&	K92#177	18	LTBL	3627612C1
6**	K92#174	18	TN	3627612C1
6	K92#178	18	WH	3627612C1
6	K92#174	18	LTBL	3627612C1
7	K92#176	18	YL	3627612C1
7	K92#179	18	PK	3627612C1
8	K47A125	18	TN	3627612C1
8	K92#145	18	OR	3627612C1
9	K48#159	18	TN	3627612C1
9	K5#108	18	GN	3627612C1
9	K5#127	18	GN	3627612C1
10	K5#106	18	YL	3627612C1
10	K5#128	18	YL	3627612C1
10	K5#106	18	YL	3627612C1
11**	K92#180	18	TN	3627612C1
11	K92#180	18	OR	3627612C1
12**	K5B128	18	YL	3627612C1
12@	K5A128	18	YL	3627612C1
12**	K5B106	18	YL	3627612C1
12	K5#106	18	YL	3627612C1
12&	K5#128	18	YL	3627612C1
13**	K5#106	18	TN	3627612C1
13	K92#142	18	WH	3627612C1
13	K92#142	18	WH	3627612C1
14**	K92#156	18	TN	3627612C1
14	K92#156	18	PK	3627612C1
14&	K92A131	18	YL	3627612C1
15	K92#161	18	TN	3627612C1
15	K92#161	18	OR	3627612C1
16	K92#175	18	OR	3627612C1
16&	K92A137	18	WH	3627612C1
17**	K92#157	18	GN	3627612C1
18	K92#118	18	TY	3627612C1
18**	K92#118	18	TN	3627612C1

OPTIONAL WARNING LIGHTS
(1510)
(LOCATED IN INSTRUMENT PANEL RIGHT REAR OF CLUSTER)



CONNECTOR 2005835C1
BODY LOCK 2006503C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A*	A92AA	18	TN	1661208C1
A*	A13BK	18	PK	1661208C1
B*	A13BH	18	PK	1661208C1
B*	A13BJ	18	PK	1661208C1
C*	A92RK	18	TN	1661208C1
C*	A40	18	WH	1661208C1
D*	A92-GR	18	WH	1661208C1
D*	A111D	20	TN	1661208C1
E*	A95APA	18	TN	1661208C1
E*	A111-GA	18	WN	1661208C1
E&	A92APA	18	TN	1661208C1
F*	A92-GAL	18	WH	1661208C1
F*	A40-GAC	18	WH	1661208C1
G*	A62B	18	DKBL	1661208C1
G*	A98F	18	TN	1661208C1
H*	A92-GAJ	18	TN	1661208C1
H*	A94W	18	GY	1661208C1

& - W/I6 /V8, N/RETR
* - MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
0488	09SEP15	REVISED AND REDRAWN.	G	93248U

DRAWN: U00LXD2
NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO.: 68076W
DATE: 09SEP10
PART NO.: AE08058187
SHEET: 30B

Figure 585 Connector Composites (1503), (1510)

https://truckmanualshub.com/

13.69. CONNECTOR COMPOSITES (1511), (1512), (1559), P. 30C

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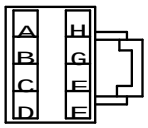
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

OPTIONAL WARNING LIGHTS
(1511)
(LOCATED IN INSTRUMENT PANEL LEFT REAR OF CLUSTER)

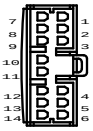


CONNECTOR 2005835C1
BODY LOCK 2006503C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A*	A23DB	18	TN	1661208C1
A*	A94AM	16	GY	1661209C1
A&	A28RW	18	TN	1661208C1
B	A13BD	18	PK	1661208C1
C	A13BE	18	PK	1661208C1
D	A13BG	18	PK	1661208C1
E	A49A	18	GY	1661208C1
F	A42	16	GY	1661209C1
G	A49	18	GY	1661208C1
H*	A94TA	12	YL	3566715C1
H*	A23C	18	TN	1661208C1
H&	A28NX	18	TN	1661208C1

* MUTUALLY EXCLUSIVE
& W/ TRAILER AUX ABS

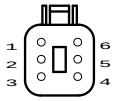
GAUGE SWITCH PACK
(1512)
(LOCATED IN INSTRUMENT PANEL BEHIND CENTER PANEL



CONNECTOR 3548792C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A11-GJ	18	WH	2018639C1
2	A62S	18	DKBL	2018639C1
3	-	-	-	-
4	A11-GAB	18	WH	2018639C1
5	-	-	-	-
6	-	-	-	-
7	A14FF	16	RD	2018639C1
8	A12FC	18	LTBL	2018639C1
9	-	-	-	-
10	A5C(-)	18	GN	2018639C1
11	A5C(+)	18	YL	2018639C1
12	-	-	-	-
13	-	-	-	-
14	-	-	-	-

TPMS 2 INCH DISPLAY
(1559)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3572899C1
BODY LOCK 2005242C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A22AC	18	PK	1680205C1
2	A22-GB	18	WH	1680205C1
3	-	-	-	-
4*	A5RP(+)	18	YL	1680205C1
4*	A5M(+)	18	YL	1680205C1
5*	A5RP(-)	18	GN	1680205C1
5*	A5M(-)	18	GN	1680205C1
6	-	-	-	-

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0638	22JUN15	REVISED AND REDRAWN.	B	92974E	MJV0370	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92603H	DATE 15APR14
						PART NO. AE08058187 SHEET 30C

Figure 586 Connector Composites (1511), (1512), (1559)

https://truckmanualshub.com/

13.70. CONNECTOR COMPOSITES (1600), P. 31

NAVISTAR, INC

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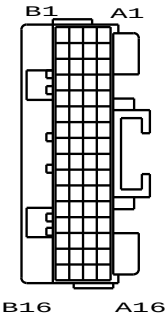
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

BODY CONTROLLER #J3
(1600)
(LOCATED ON LEFT SIDE KICK PANEL - BODY CONTROLLER)



CONNECTOR 3598706C1
BODY LOCK1 1618846C1
BODY LOCK2 1618847C1

* MUTUALLY EXCLUSIVE
*& ACCESSORY FEED-STANDARD W/ ALTEC
# W/ ACCESSORY FEED-STANDARD
% IGN FEED-STD OR W/MWM EURO 3
@ W/ IGNITION FEED-REMOTE START/STOP W/ALTEC
& IGNITION FEED-STANDARD OR W/MWM EURO 3
*# IGN FEED-STANDARD W/ CENTER CONTROLS
&% WASHER CTR CHAS-W/ LEVEL W/ FUSE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	A12C	18	LTBL	3522073C1
A1*&	A12A	18	LTBL	3522073C1
A1#	A149C	18	GY	3522073C1
A2	A77	20	LTGN	3534303C1
A3	A75C	20	LTGN	3534303C1
A4	A52A	20	YL	3534303C1
A5	A85B	20	GY	3534303C1
A6	A57R	20	OR	3534303C1
A7	A56L	20	OR	3534303C1
A8*	A87EA	18	GY	3522073C1
A8*	A87C	18	GY	3522073C1
A8&%	A87EA	18	GY	3522073C1
A9	A82A	20	GY	3534303C1
A10	A82B	20	GY	3534303C1
A11	A82C	20	GY	3534303C1
A12*	A44A	16	GY	3522073C1
A12*	A44A	18	GY	3522073C1
A13	A63DF	18	DKBL	3522073C1
A14	A102A	20	YL	3534303C1
A15	A87B	20	GY	3534303C1
A16	AA13	16	PK	3522073C1
A16%	A13FAM	18	BN	3522073C1
A16@	A13A	18	GY	3522073C1
A16&	A149AX	18	GY	3522073C1
A16*#	A149A	18	GY	3522073C1
B1	A90P	18	GY	3522073C1
B1*	A9B	18	GY	3522073C1
B1*	A100	20	GY	3534303C1
B2	A40	18	GY	3522073C1
B3	A40A	18	GY	3522073C1
B4	A97A	18	PL	3522073C1
B5	A77D	20	LTGN	3534303C1
B6	A90M	18	GY	3522073C1
B7*	A31	18	TN	3522073C1
B7*	A88B	16	LTGN	3522073C1
B8	A36A	18	TN	3522073C1
B9	A36B	18	TN	3522073C1
B10*	A32A	18	TN	3522073C1
B10*	A90HB	18	GY	3522073C1
B11	A32	18	TN	3522073C1
B12*	A77B	20	LTGN	3534303C1
B12*	A77B	18	LTGN	3522073C1
B13	A75E	20	LTGN	3534303C1
B14*	A40B	18	GY	3522073C1
B14*	A38A	18	GY	3522073C1
B14*	A44A	18	GY	3522073C1
B15	A9B	18	GY	3522073C1
B16	A97	20	GY	3534303C1

CHK	DATE	CHANGE	REV.	REFERENCE	DRAWN	NAME
MJV04	08MAR16	REVISED AND REDRAWN.	H	93408J	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 09JUN09

PART NO. AE08058187 SHEET 031

Figure 587 Connector Composites (1600)

https://truckmanualshub.com/

13.71. CONNECTOR COMPOSITES (1601), P. 32

NAVISTAR, INC

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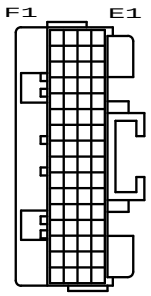
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

BODY CONTROLLER #J4 (1601)
(LOCATED ON LEFT SIDE KICK PANEL - BODY CONTROLLER)



CONNECTOR 3598707C1
BODY LOCK1 1618846C1
BODY LOCK2 1618847C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
E1*	A59RA	18	GY	3522073C1
E1*	A89AR	18	PL	3522073C1
E1*	A103D	18	LTGN	3522073C1
E1*	A147S	18	PK	3522073C1
E2	A104AA	18	DKBL	3522073C1
E2*	A103C	18	LTGN	3522073C1
E2*	A147F	18	PK	3522073C1
E3*	A92#117	18	TN	3522073C1
E3*	A92RD	16	TN	3522073C1
E4*	A104A	18	DKBL	3522073C1
E4*	A92#161	18	TN	3522073C1
E5*	A103AA	18	LTGN	3522073C1
E5*	A12BC	18	LTBL	3522073C1
E5*	A147K	18	PK	3522073C1
E6	A82H	18	GY	3522073C1
E7	A82F	18	GY	3522073C1
E8*	A92D	18	TN	3522073C1
E8*	A92YE	18	TN	3522073C1
E9	A59J	18	GY	3522073C1
E10*	A68C	18	BN	3522073C1
E10*	A59S	18	GY	3522073C1
E10*	A68T	18	BN	3522073C1
E11*	A72E	18	OR	3522073C1
E11*	A12LC	18	PK	3522073C1
E12	A59D	18	GY	3522073C1
E13	A59G	18	GY	3522073C1
E14	A96RA	18	YL	3522073C1
E15*	A57C	18	OR	3522073C1
E15*	A59T	18	GY	3522073C1
E16*	A104L	18	DKBL	3522073C1
E16*	A92AA	18	TN	3522073C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
F1	A44	18	GY	3522073C1
F1	A44	16	GY	3522073C1
F2	A59P	18	GY	3522073C1
F3	A59Q	18	GY	3522073C1
F4	A59H	18	GY	3522073C1
F5	A59K	18	GY	3522073C1
F6*	A59M	18	GY	3522073C1
F6*	A14LA	18	RD	3522073C1
F7*	A59N	18	GY	3522073C1
F7*	A14LB	18	RD	3522073C1
F8	A59E	18	GY	3522073C1
F9*	A96LA	18	YL	3522073C1
F9*	A40	18	WH	3522073C1
F10	A59C	18	GY	3522073C1
F11	A37	18	TN	3522073C1
F12	A77S	18	LTGN	3522073C1
F13*	A56C	18	OR	3522073C1
F13*	A59W	18	GY	3522073C1
F14*	A54C	18	BN	3522073C1
F14*	A59V	18	GY	3522073C1
F14*	A58	18	BN	3522073C1
F15*	A70D	18	OR	3522073C1
F15*	A70CA	18	OR	3522073C1
F15*	A70C	18	OR	3522073C1
F15*	A70T	18	RD	3522073C1
F16	A77P	18	LTGN	3522073C1
F16&	A90J	18	GY	3522073C1

* MUTUALLY EXCLUSIVE
& W/ NEXT GEN HYDRAULIC BRAKES

CHK	DATE	CHANGE	REV	REFERENCE
0488	20NOV14	ADDED CIRCUIT A90J	K	92674A
	AT CAVITY F16.			

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 032

Figure 588 Connector Composites (1601)

https://truckmanualshub.com/

13.72. CONNECTOR COMPOSITES (1602), P. 33

NAVISTAR, INC

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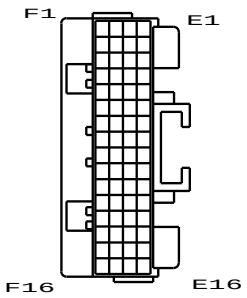
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

BODY CONTROLLER #J5
(1602)
(LOCATED ON LEFT SIDE KICK PANEL)



CONNECTOR 3598705C1
BODY LOCK1 1618846C1
BODY LOCK2 1618847C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
E1*	A3B(-)	18	GY	3522073C1
E1*	A3A(-)	18	GY	3522073C1
E2*	A3B(+)	18	DKBL	3522073C1
E2*	A3A(+)	18	DKBL	3522073C1
E3	A9ZA	18	GY	3522073C1
E4*	A6	18	GY	3522073C1
E5	A9AA	18	GY	3522073C1
E6*	A6A	20	GY	3534303C1
E6*	A6A	18	GY	3522073C1
E7	A9B	18	GY	3522073C1
E8*	A6A	18	GY	3522073C1
E8*	A6H	18	GY	3522073C1
E9	-	-	-	-
E10	-	-	-	-
E11*	A50	20	YL	3534303C1
E11*	A52C	20	YL	3534303C1
E12	A59B	18	GY	3522073C1
E13	-	-	-	-

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
E14*	A70	20	RD	3534303C1
E14*	A70	18	GY	3522073C1
E14*	A90F	18	GY	3522073C1
E15	A70A	20	RD	3534303C1
E16	A11-GAC	18	WH	3522073C1
F1	-	-	-	-
F2	A5(-)	18	GN	3522073C1
F2*	A5Z(-)	18	GN	3522073C1
F2*	A4(-)	18	GN	3522073C1
F3	A5(+)	18	YL	3522073C1
F3*	A5Z(+)	18	YL	3522073C1
F3*	A4(+)	18	YL	3522073C1
F4	-	-	-	-
F5	A5EB(-)	18	GN	3522073C1
F6	A5EB(+)	18	YL	3522073C1
F7	-	-	-	-
F8*	A6-GC	16	DKBL	3522073C1
F8*	A24	18	GY	3522073C1
F8*	A85C	18	GY	3522073C1
F9*	A6-GD	16	LTGN	3522073C1
F9*	A79A	18	GY	3522073C1
F9*	A28B	18	TN	3522073C1
F10*	A55	18	OR	3522073C1
F10*	A70ER	18	RD	3522073C1
F10*	A71D	18	OR	3522073C1
F10*	A55B	16	OR	3522073C1
F11*	A6-GA	16	GY	3522073C1
F11*	A93	18	TN	3522073C1
F11*	A116LB	18	GY	3522073C1
F12	A103B	18	LTGN	3522073C1
F13*	A6-GB	16	OR	3522073C1
F13*	A89CC	18	PL	3522073C1
F13*	A23A	16	TN	3522073C1
F13*	A89CC	18	DKBL	3522073C1
F14*	A88B	18	LTGN	3522073C1
F14*	A103A	18	LTGN	3522073C1
F15*	A88C	18	LTGN	3522073C1
F15*	A104D	18	DKBL	3522073C1
F15*	A147P	18	PK	3522073C1
F16*	A44D	18	GY	3522073C1
F16*	A47TS	18	GY	3522073C1
F16*	A116UB	18	GY	3522073C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
-	-	REVISED AND REDRAWN.	G	93248U

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 033

Figure 589 Connector Composites (1602)

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13.73. CONNECTOR COMPOSITES (1603), (1604), (1606), P. 34

NAVISTAR, INC

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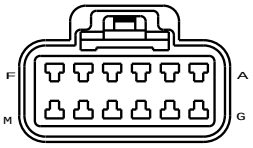
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

BODY CONTROLLER #J1 (1603) (LOCATED ON LEFT SIDE KICK PANEL)



CONNECTOR 3598711C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A57A	16	OR	3544876C1
A*	A57A	18	LTGN	3544876C1
B	A56A	16	OR	3544876C1
B*	A56A	18	YL	3544876C1
C	A77A	16	LTGN	3544876C1
D	A56C	16	OR	3544876C1
D*	A70A	16	RD	3544876C1
E	A85E	16	GY	3544876C1
F	A64A	16	YL	3544876C1
G*	A65	16	OR	3544876C1
G*	A65A	16	OR	3544876C1
H*	A78A	16	LTGN	3544876C1
H*	A78AA	16	LTGN	3544876C1
J	A112	16	GY	3544876C1
J*	A23F	18	TN	3544876C1
K	A64B	16	YL	3544876C1
L*	A78B	16	LTGN	3544876C1
L*	A78BA	16	LTGN	3544876C1
M	A57C	16	OR	3544876C1

* MUTUALLY EXCLUSIVE

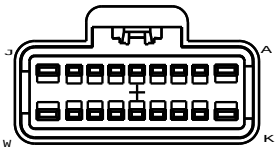
BODY CONTROLLER #J2 (1604) (LOCATED ON LEFT SIDE KICK PANEL)

CONNECTOR 3598710C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A82	16	GY	3544876C1
B*	A53AA	14	YL	3544877C1
B*	A53PB	14	YL	3544877C1
B*	A53	14	YL	3544877C1
C*	A52AA	14	YL	3544877C1
C*	A52PC	14	YL	3544877C1
C*	A52	14	YL	3544877C1
D	-	-	-	-
E	A11-GB	12	WH	3544877C1
F*	A68A	16	BN	3544876C1
F*	A68	16	BN	3544876C1
G	A58	16	BN	3544876C1
H*	A53B	14	YL	3544877C1
H*	A53PA	14	YL	3544877C1
J	A63A	18	DKBL	3544876C1
K*	A52D	14	YL	3544877C1
K*	A52PD	14	YL	3544877C1

* MUTUALLY EXCLUSIVE

BODY CONTROLLER #J6 (1606)



CONNECTOR 3759005C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A148A	16	GY	3544876C1
A	A148AA	16	GY	3544876C1
A	A148D	14	GY	3544877C1
B	A148	18	GY	3544884C1
C	PLUG	-	-	-
D	PLUG	-	-	-
E	PLUG	-	-	-
F	PLUG	-	-	-
G	A5AA(-)	18	GN	3544884C1
G	A5(-)	18	GN	3544884C1
H	A5AA(+)	18	YL	3544884C1
H	A5(+)	18	YL	3544884C1
J	A64A	14	YL	3544877C1
K	A11-GHB	16	WH	3544876C1
K	A11-GHB	12	WH	3544877C1
L	A104CB	18	DK BL	3544884C1
M	A92LB	18	TN	3544884C1
M	A92#141	18	TN	3544884C1
M	A92LB	18	TN	3544884C1
M	A92LB	16	PK	3544884C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
M	A92#141	18	TN	3544884C1
M	A92LB	18	TN	3544884C1
M	A92LB	16	PK	3544884C1
N	PLUG	-	-	-
P	PLUG	-	-	-
Q	PLUG	-	-	-
R	PLUG	-	-	-
S	A149AA	18	GY	3544884C1
S	A149B	18	GY	3544884C1
S	A149BA	18	GY	3544884C1
S	A149RA	18	GY	3544884C1
S	A149R	18	GY	3544884C1
T	A17B	18	PK	3544884C1
T	A17A	18	PK	3544884C1
T	A17C	18	PK	3544884C1
T	A17B	18	PK	3544884C1
T	A17A	16	PK	3544884C1
T	A97C	18	PK	3544884C1
T	A17B	16	PK	3544884C1
U	PLUG	-	-	-
V	PLUG	-	-	-
W	A64B	14	YL	3544877C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	09SEP15	REVISED AND REDRAWN.	H	93248U	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 09JUN09 PART NO. AE08058187 SHEET 034

Figure 590 Connector Composites (1603), (1604), (1606)

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13.74. CONNECTOR COMPOSITES (1607), (1625), (1626), P. 35

NAVISTAR, INC

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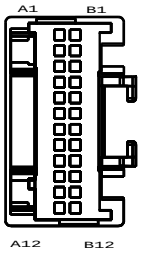
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

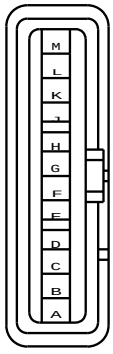
BODY CNTRL # J7
(1607)



CONNECTOR 3710061C1
BODY LOCK 3539892C1
BODY LOCK 3539893C1

CAV	CIRCUIT	GA	COLOR	TERMINAL
A1-A2	-	-	-	-
B1	-	-	-	-
B2	A97B	18	PL	3522073C1
B3-B8	-	-	-	-
B9	A9	18	GY	3522073C1

REAR TURNS PANEL SPLICE CAP
(1625)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3543733C1
BODY LOCK 3543732C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	A57C	16	OR	3535303C1	3535424C1
A*	A70A	16	RD	3535303C1	3535424C1
B*	A57	16	OR	3535303C1	3535424C1
B*	A70B	16	RD	3535303C1	3535424C1
C*	A57BB	16	LTGN	3535303C1	3535424C1
C*	A70BB	16	RD	3535303C1	3535424C1
D	A57K	16	OR	3535303C1	3535424C1
E*	A56C	16	OR	3535303C1	3535424C1
E*	A68A	16	BN	3535303C1	3535424C1
F*	A56	16	OR	3535303C1	3535424C1
F*	A68B	16	BN	3535303C1	3535424C1
G*	A56BB	16	YL	3535303C1	3535424C1
G*	A68BB	16	BN	3535303C1	3535424C1
H	A56K	16	OR	3535303C1	3535424C1
J	A62	18	DKBL	3535303C1	3535424C1
K	A62DA	18	DKBL	3535303C1	3535424C1
L	A62DB	18	DKBL	3535303C1	3535424C1
M*	A62DE	18	DKBL	3535303C1	3535424C1
M*	A62E	18	DKBL	3535303C1	3535424C1

* MUTUALLY EXCLUSIVE

J1939 PRIVATE
(1626)
(LOCATED IN INSTRUMENT PANEL CENTER)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	ASET(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	-	-
C	ASET(-)	18	GN	1661875C1	3568570C1

CHK	DATE	CHANGE	REV.	REFERENCE
MJV04	08MAR16	REVISED AND REDRAWN.	E	93408J

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 035

Figure 591 Connector Composites (1607), (1625), (1626)

https://truckmanualshub.com/

13.75. CONNECTOR COMPOSITES (1650), (1657), (1657M), P. 35A

NAVISTAR, INC

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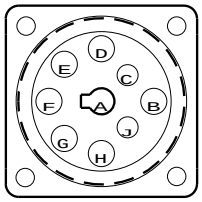
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

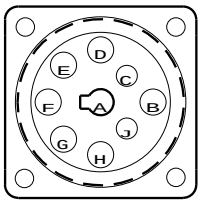
DIAGNOSTIC CONNECTOR
(1650)
(LOCATED UNDER INSTRUMENT PANEL
LEFT OF STEERING COLUMN)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A98-G	18	WH	1680206C1
B	A98H	18	BK	1680206C1
C*	A5B(+)	18	YL	1680206C1
C*	A5D(+)	18	YL	1680206C1
C#	A5C(+)	18	YL	1680206C1
D*	A5B(-)	18	GN	1680206C1
D*	A5D(-)	18	GN	1680206C1
D#	A5C(-)	18	GN	1680206C1
E	PLUG	-	-	-
F	A3CC(+)	18	DKBL	1680206C1
G	A3CC(-)	18	GY	1680206C1
H	PLUG	-	-	-
J*	A98A	18	GY	1680206C1

* MUTUALLY EXCLUSIVE
# W/ ISB ENGINE

DIAGNOSTIC CONNECTOR
(1650)
(LOCATED UNDER INSTRUMENT PANEL
LEFT OF STEERING COLUMN)



CONNECTOR 3757649C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A98-G	18	WH	1680206C1
B	A98H	18	BK	1680206C1
C	A5HA(+)	18	YL	1680206C1
C*	A5B(+)	18	YL	1680206C1
D	A5HA(-)	18	GN	1680206C1
D*	A5B(-)	18	GN	1680206C1
F	A3CC(+)	18	DK BL	1680206C1
G	A3CC(-)	18	GY	1680206C1
H	A5BZ(+)	18	YL	1680206C1
H*	A5BZ(+)	18	YL	3519069C1
J	A5BZ(-)	18	GN	1680206C1
J*	A5BZ(-)	18	GN	3519069C1
J*	A98A	18	GY	1680206C1

* MUTUALLY EXCLUSIVE

J1939 PUBLIC
(1657)
(LOCATED IN INSTRUMENT PANEL CENTER)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	ASLI(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	2025431C1	-
C*	ASLI(-)	18	GN	1661875C1	3568570C1

* MUTUALLY EXCLUSIVE

J1939 TERMINATING RESISTOR
(1657M)
(LOCATED NEAR TPMS)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	M5C(+)	18	YL	1661875C1	3568570C1
A*	M5B(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	2025431C1	-
C*	M5C(-)	18	GN	1661875C1	3568570C1
C*	M5BI(-)	18	GN	1661875C1	3568570C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
0488	09SEP15	REVISED AND REDRAWN.	C	93248U

DRAWN MJV0088
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92218B
DATE 30JUL13
PART NO. AE08058187
SHEET 35A

Figure 592 Connector Composites (1650), (1657), (1657M)

https://truckmanualshub.com/

13.76. CONNECTOR COMPOSITES (1658), (1658M), (1660), (1661), P. 36

NAVISTAR, INC

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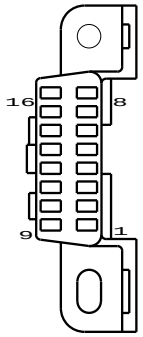
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

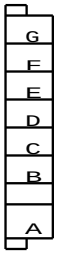
DIAGNOSTIC CONNECTOR
(1658/1658M)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3574267C1
BODY LOCK 3576926C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	-
2	PLUG	-	-	-
3	PLUG	-	-	-
4	A98-GCA	18	WH	3577762C1
5	98-GCB	18	WH	3577762C1
6	A5B(+)	18	YL	3577762C1
7	A98B	18	GY	3577762C1
8	PLUG	-	-	-
9	PLUG	-	-	-
10	PLUG	-	-	-
11	PLUG	-	-	-
12	PLUG	-	-	-
13	PLUG	-	-	-
14	A5B(-)	18	GN	3577762C1
15	PLUG	-	-	-
16	A98H	18	BK	3577762C1

J1708 PUBLIC (+)
(1660)
(LOCATED IN INSTRUMENT PANEL LEFT SIDE)

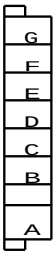


CONNECTOR 2006789C1
BODY LOCK 2006792C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A3BB(+)	18	DKBL	1661208C1
B	A3AC(+)	18	DKBL	1661208C1
C*	A3M(+)	18	LTBL	1661208C1
C*	A3C(+)	18	DKBL	1661208C1
D	A3CE(+)	18	DKBL	1661208C1
E*	A3AB(+)	18	DKBL	1661208C1
E*	A3BD(+)	18	DKBL	1661208C1
F*	A3BE(+)	18	DKBL	1661208C1
F*	A3FD(+)	18	DKBL	1661208C1
F*	A3D(+)	20	DKBL	1661208C1
G	A3BA(+)	18	DKBL	1661208C1

* MUTUALLY EXCLUSIVE

J1708 PUBLIC (-)
(1661)
(LOCATED IN INSTRUMENT PANEL LEFT SIDE)



CONNECTOR 2006789C1
BODY LOCK 2006792C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A3BB(-)	18	GY	1661208C1
B	A3AC(-)	18	GY	1661208C1
C*	A3M(-)	18	GY	1661208C1
C*	A3C(-)	18	GY	1661208C1
D	A3CE(-)	18	GY	1661208C1
E*	A3AB(-)	18	GY	1661208C1
E*	A3BD(-)	18	GY	1661208C1
F*	A3BE(-)	18	GY	1661208C1
F*	A3FD(-)	18	GY	1661208C1
F*	A3D(-)	20	GY	1661208C1
G	A3BA(-)	18	GY	1661208C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
0488	09SEP15	ADDED R/D 1658M.	F	93248U

DRAWN 310615 — NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V — DATE 09JUN09 — PART NO. AE08058187 — SHEET 036

Figure 593 Connector Composites (1658), (1658M), (1660), (1661)

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13.77. CONNECTOR COMPOSITES (1700), P. 37

NAVISTAR, INC

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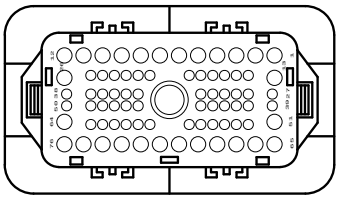
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

DASH HARNESS CONN/ FORWARD CHESSIS CONNECTOR (1700)
(LOCATED ON DASH PANEL LEFT SIDE UPPER)



CONNECTOR 3595624C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	M52	14	YL	3549416C1
2	M53	14	YL	3549416C1
3	M52D	14	YL	3549416C1
4	M53B	14	YL	3549416C1
5	M54B	14	BN	3595624C1
6	M19A	16	GY	3549416C1
7	M19B	16	GY	3549416C1
8	M53E	14	YL	3549416C1
9	M53F	14	YL	3549416C1
10	M52B	14	YL	3549416C1
11	M52E	14	YL	3549416C1
12*	M14LP	10	RD	3549415C1
12*	M103C	12	LTGN	3549415C1
12*	M14WB	12	RD	3549415C1
13*	M103D	12	LTGN	3549415C1
13*	M12BD	12	LTBL	3549415C1
14	M56B	16	OR	3549417C1
15	M57B	16	OR	3549417C1
16*	M41	18	GY	3549418C1
16*	M41	16	TN	3549417C1
17*	M22AA	18	TN	3549418C1
17*	M22AA	18	TN	3549418C1
18*	M67B	16	GY	3549417C1
18*	M9BB	18	GY	3549418C1
19*	M61	18	GY	3549418C1
19*	M87KA	16	GY	3549417C1
19*	M67C	16	GY	3549417C1
20*	M87BA	18	GY	3549418C1
20*	M106A	18	GY	3549418C1
20*	M94BY	16	GY	3549417C1
21	M85E	16	GY	3549417C1
22	M64A	16	YL	3549417C1
23	M64B	16	YL	3549417C1
24*	ML67C	16	VT	3549417C1
24*	MP94B	18	GY	3549418C1
24*	M94BP	16	GY	3549417C1
25*	M110AD	18	GY	3549418C1
25*	M110AD	16	GY	3549417C1
26*	M67D	16	VT	3549416C1
26*	M22-GA	16	TN	3549416C1

* MUTUALLY EXCLUSIVE

CHART CONTINUED ON SHEET 38

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
27*	M94	18	GY	3549418C1
27*	M9A	18	GY	3549418C1
27*	[M94AB]	14	BN	3549417C1
28*	M6A	18	GY	3549418C1
28*	M94A	18	GY	3549418C1
28*	[M94AA]	14	GN	3549417C1
29*	M40	18	GY	3549418C1
29*	M94B	18	GY	3549418C1
29*	[M94AL]	14	BL	3549417C1
30*	M94L+	18	BK	3549418C1
30*	M94C	18	GY	3549418C1
30*	[M94AC]	18	BN	3549418C1
31*	M94L-	18	BN	3549418C1
31*	MC94D	18	GY	3549418C1
31*	[M94AD]	18	BK	3549418C1
32*	M90H	16	GY	3549417C1
32*	M94E	18	GY	3549418C1
32*	[M94AE]	18	BN	3549418C1
33*	M94F	18	GY	3549418C1
33*	[M94AF]	18	BK	3549418C1
34*	M94BF	18	GY	3549418C1
34*	M94H	18	GY	3549418C1
34*	[M94AK]	14	BN	3549417C1
35*	M94R+	18	BK	3549418C1
35*	M94J	18	GY	3549418C1
35*	[M94AJ]	14	GN	3549417C1
36*	M94R-	18	BN	3549418C1
36*	M94K	18	GY	3549418C1
36*	[M94AH]	14	BL	3549417C1
37*	M94BY	16	GY	3549417C1
37*	M67A	16	VT	3549417C1
37*	M94A	18	GY	3549418C1
37*	M5A(+)	18	YL	3549418C1
38*	M10-GV	16	WH	3549418C1
38*	M67B	16	VT	3549417C1
38*	M94-GA6	16	WH	3549417C1
38*	M5A(-)	18	GN	3549418C1
38*	M94BZ	16	GY	3549417C1
39*	M73R	16	LTGN	3549417C1
39*	M94C	18	GY	3549418C1
39*	M94BT	16	GY	3549417C1
40*	M73M	16	LTGN	3549417C1
40*	M94D	18	GY	3549418C1
40*	M94BU	16	GY	3549417C1
41*	M73AF	16	LTGN	3549417C1
41*	M94-GA7	16	WH	3549417C1
41*	M94BS	16	GY	3549417C1
42	M94SBB	16	GY	3549417C1
43*	M104CC	18	DKBL	3549418C1
43*	M5A(+)	18	YL	3549418C1
43*	M67AA	18	PK	3549418C1
44*	M104CB	18	DKBL	3549418C1
44*	M67AB	16	PK	3549417C1
44*	M5A(-)	18	GN	3549418C1
45*	M94E	18	GY	3549418C1
45*	M94BR	16	GY	3549417C1
45*	M89CE	18	PL	3549418C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0610	12NOV13	REVISED AND REDRAWN.	C	92218B	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 09JUN09 PART NO. AE08058187 SHEET 037

Figure 594 Connector Composites (1700)

https://truckmanualshub.com/

13.78. CONNECTOR COMPOSITES (1700), P. 38

NAVISTAR, INC

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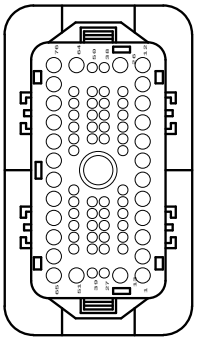
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CHART CONTINUED FROM SHEET 37

DASH HARNESS CONN/ FORWARD CHESSIS CONN
(1700)
(LOCATED ON DASH PANEL LEFT SIDE UPPER)



CONNECTOR 3595624C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
46*	M89AR	18	PK	3549418C1
46*	M94F	18	GY	3549418C1
46*	M94BQ	16	GY	3549417C1
47*	M44Y	16	GY	3549417C1
47*	M44J	18	GY	3549418C1
47*	M67-GA	18	WH	3549418C1
47*	M67-GA	20	WH	3549418C1
48*	M92#103	18	TN	3549418C1
48*	M94G	18	GY	3549418C1
48*	M94BW	16	GY	3549417C1
48*	M77	18	BK	3549418C1
49*	M94H	18	GY	3549418C1
49*	M94BV	16	GY	3549417C1
49*	M92#101	18	TN	3549418C1
49*	M77A	18	BK	3549418C1
50*	M94SAB	16	GY	3549417C1
50*	M40A	14	GY	3549417C1
51	M94SDB	16	GY	3549416C1
52*	M6VDC	18	GY	3549418C1
52*	MTEM1	16	GY	3549417C1
53*	M9VA	18	GY	3549418C1
53*	MTEM2	16	GY	3549417C1
54*	MA1	18	GY	3549418C1
54*	MTEM3	16	GY	3549417C1
55*	MA2	18	GY	3549418C1
55*	MTEM4	16	GY	3549417C1
56*	MA3	18	GY	3549418C1
56*	MTEM5	16	GY	3549417C1
57*	MA4	18	GY	3549418C1
57*	MTEM6	16	GY	3549417C1
58*	MA5	18	GY	3549418C1
58*	MTEM7	16	GY	3549417C1
59*	M11-GM	18	GY	3549418C1
59*	MTEM8	16	GY	3549417C1
60	M94SCB	16	GY	3549417C1
61*	M41A	18	GY	3549418C1
61*	M44L	18	GY	3549418C1
61*	M41D	18	GY	3549418C1
62*	M41E	18	GY	3549418C1
62*	M41B	18	GY	3549418C1
63*	M78BC	16	LTGN	3549417C1
63*	M67D	16	GY	3549417C1
63*	M67AA	20	PK	3549418C1
64	M78AC	16	LTGN	3549416C1
65	M103M	12	LTGN	3549415C1
66	M103N	12	LTGN	3549415C1
67	M103P	12	LTGN	3549415C1
68*	M14T	10	RD	3549415C1
68*	M22-GA	16	TN	3549415C1
69	M94SJ	16	GY	3549416C1
70	M94SK	16	GY	3549416C1
71	M94SM	16	GY	3549416C1
72	M94SN	16	GY	3549416C1
73	M94SL	16	GY	3549416C1
74	M94SZC	16	GY	3549416C1
75	M94SVC	16	GY	3549416C1
76	M94SH	16	GY	3549416C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
0610	12NOV13	REVISED AND REDRAWN.	C	92218B

DRAWN 310615 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V | DATE 09JUN09 | PART NO. AE08058187 | SHEET 038

Figure 595 Connector Composites (1700)

https://truckmanualshub.com/

13.79. CONNECTOR COMPOSITES (1700), P. 38A

NAVISTAR, INC

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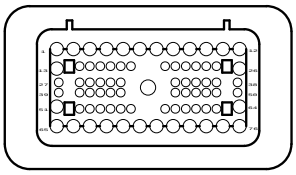
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

DASH HARNESS CONNECTOR
(1700)
(LOCATED IN DASH PANEL LEFT SIDE UPPER)



CONNECTOR 3595624C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	M52	14	YL	3549416C1
2	M53	14	YL	3549416C1
3	M52D	14	YL	3549416C1
4	M53B	14	YL	3549416C1
5	M54B	14	BN	3549416C1
6*	[M19A]	16	GY	3549416C1
6#	M19	14	GY	3549416C1
7	PLUG	-	-	3598921C1
8	M53E	14	YL	3549416C1
8^	M640L	14	YL	3549416C1
9	M53F	14	YL	3549416C1
9^	M64HI	14	YL	3549416C1
10	M52B	14	YL	3549416C1
11	M52E	14	YL	3549416C1
12	M103C	12	LTGN	3549415C1
13	M103D	12	LTGN	3549415C1
14	M56B	16	OR	3549417C1
15	M57B	16	OR	3549417C1
16	PLUG	-	-	3598921C1
17	M87C	18	GY	3549418C1
18	M9BB	18	GY	3549418C1
19	M87KA	16	GY	3549417C1
20	M87BA	18	GY	3549418C1
21	M85E	16	GY	3549417C1
22	M64A	16	YL	3549417C1
23	M64B	16	YL	3549417C1
24	M94BP	16	GY	3549417C1
24^	M67AA	20	PK	3549418C1
24	M94B	18	GY	3549418C1
24	M67C	16	VT	3549417C1
25	PLUG	-	-	3598921C1
26	PLUG	-	-	3598921C1
27@	M94	18	GY	3549418C1
27%	M94AB	14	GY	3549417C1
27&	M9A	18	GY	3549418C1
28@	M94AA	14	GY	3549417C1
28%	M94A	18	GY	3549418C1
28&	M6A	18	GY	3549418C1
29@	M40	18	GY	3549418C1
29%	M94B	18	GY	3549418C1
29&	M94AL	14	GY	3549417C1
30@	M94C	18	GY	3549418C1
30**	M94L(+)	18	GY	3549418C1
30%	M94AC	18	GY	3549418C1
31@	M94D	18	GY	3549418C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
31**	M94L(-)	18	GY	3549418C1
31%	M94AD	18	GY	3549418C1
32**	M90H	16	GY	3549417C1
32@	M94E	18	GY	3549418C1
32%	M94AE	18	GY	3549418C1
33**	M90B	18	GY	3549418C1
33@	M94F	18	GY	3549418C1
33%	M94AF	18	GY	3549418C1
34@	M94H	18	GY	3549418C1
34**	M94BF	18	GY	3549418C1
34%	M94AK	14	GY	3549417C1
35@	M94J	18	GY	3549418C1
35%	M94AJ	14	GY	3549417C1
35**	M94R(+)	18	GY	3549418C1
36@	M94K	18	GY	3549418C1
36%	M94AH	14	GY	3549417C1
36**	M94R(-)	18	GY	3549418C1
37	M94BY	16	GY	3549417C1
37	M5A(+)	18	YL	3549418C1
37	M94A	18	GY	3549418C1
37	M67A	16	VT	3549417C1
38**	M10-GV	16	WH	3549417C1
38##	M94BZ	16	GY	3549417C1
38	M5A(-)	18	GN	3549418C1
38	M94-GA6	16	WH	3549417C1
38	M67B	16	VT	3549417C1
39	M94BT	16	GY	3549417C1
39	M94C	18	GY	3549418C1
39	M73R	16	LTGN	3549417C1

* DUAL FUEL/WATER SEPARATOR, LOW CAB/MID CAB
\# FUEL/WATER SEPARATOR, MID CAB
@ BENDIX AIR ABS, LOW CAB
% WABCO AIR ABS, LOW CAB
& COMPRESSOR/TANK FOR HYD CHASSIS
** WABCO HYD ABS, LOW CAB
BENDIX ABS 6CH N/ADV
^ W/SNOW PLOW LIGHTS

CHART CONT ON SHEET 38B

CHK	DATE	CHANGE	REV	REFERENCE
0488	24MAR15	REVISED AND REDRAWN.	B	92927M

DRAWN MJV0370 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92603H | DATE 16APR14 | PART NO. AE08058187 | SHEET 38A

Figure 596 Connector Composites (1700)

https://truckmanualshub.com/

13.80. CONNECTOR COMPOSITES (1700), P. 38B

NAVISTAR, INC

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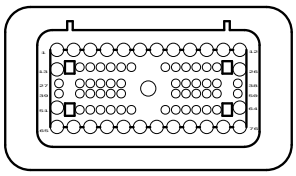
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CHART CONT FROM SHEET 38A

DASH HARNESS CONNECTOR
(1700)
(LOCATED IN DASH PANEL LEFT SIDE UPPER)



CONNECTOR 3595624C1

@@ WHEELCHAIR LIFT INTERLOCK
%% AUTO APPLY PARK BRAKE
^ W/SNOW PLOW LIGHTS
*** BENDIX ABS 4CH W/ADV
&& ELEC COMPRESSOR FOR HYD CHASSIS
BENDIX ABS 6CH N/ADV
* W/COLLISON AVOIDANCE BENDIX WINGMAN & W/J1939 BACKBONE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
40	M94BU	16	GY	3549417C1
40	M94D	18	GY	3549418C1
40	M73M	16	LTGN	3549417C1
41	M94BS	16	GY	3549417C1
41	M94-GA7	16	WH	3549417C1
41	M73AF	16	LTGN	3549417C1
42	M94SBB	16	GY	3549417C1
43	M104CC	18	DKBL	3549418C1
44	M104CB	18	DKBL	3549418C1
45	M94BR	16	GY	3549417C1
45	M94E	18	GY	3549418C1
46	M94F	18	GY	3549418C1
46	M94BQ	16	GY	3549417C1
47@@	M44Y	16	GY	3549417C1
47%%	M44J	18	GY	3549418C1
47^	M67-GA	20	WH	3549418C1
47	M67-GA	18	WH	3549418C1
48@@	M92#103	18	TN	3549418C1
48##	M94BW	16	GY	3549417C1
48	M77	18	BK	3549418C1
48	M94G	18	GY	3549418C1
49@@	M92#101	18	TN	3549418C1
49##	M94BV	16	GY	3549417C1
49	M94H	18	GY	3549418C1
49	M77A	18	BK	3549418C1
50&&	M40A	14	GY	3549417C1
50***	M94SAB	16	GY	3549417C1
51	M94SDB	16	GY	3549416C1
52	MTEM1	16	GY	3549417C1
53	MTEM2	16	GY	3549417C1
54	MTEM3	16	GY	3549417C1
55	MTEM4	16	GY	3549417C1
56	MTEM5	16	GY	3549417C1
57	MTEM6	16	GY	3549417C1
58	MTEM7	16	GY	3549417C1
59	MTEM8	16	GY	3549417C1
60	M94SCB	16	GY	3549417C1
61	M44L	18	GY	3549418C1
61*	M5A(-)	18	GN	3549418C1
61*	M5C(-)	18	GN	3549418C1
62*	M5A(+)	18	YL	3549418C1
62*	M5C(+)	18	YL	3549418C1
63	M78BC	16	LTGN	3549417C1
64	M78AC	16	LTGN	3549416C1
65	M103M	12	LTGN	3549415C1
66	M103N	12	LTGN	3549415C1
67	M103P	12	LTGN	3549415C1
68	PLUG	-	-	3598921C1
69	M94SJ	16	GY	3549416C1
70	M94SK	16	GY	3549416C1
71	M94SM	16	GY	3549416C1
72	M94SN	16	GY	3549416C1
73	M94SL	16	GY	3549416C1
74	M94SZC	16	GY	3549416C1
75	M94SVC	16	GY	3549416C1
76	M94SH	16	GY	3549416C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	24MAR15	ADDED CIRC M5A(+)/(-)	B	92927M
		& M5C(+)/(-) AT CAV 61,62.		

DRAWN MJV0370 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 92603H | DATE 16APR14 | PART NO. AE08058187 | SHEET 38B

Figure 597 Connector Composites (1700)

https://truckmanualshub.com/

13.81. CONNECTOR COMPOSITES (1700), P. 39

NAVISTAR, INC

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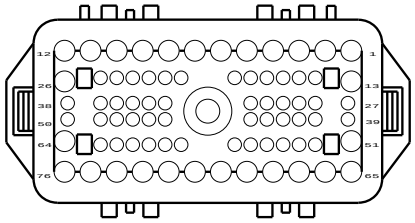
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

FORWARD CHASSIS
(1700)
(LOCATED ON FRONT LEFT DASH PANEL (UPPER))



CONNECTOR 3595625C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A52	14	YL	3574288C1
1	A52A	14	YL	3574288C1
2	A53	14	YL	3574288C1
2	A53A	14	YL	3574288C1
3	A52D	14	YL	3574288C1
3	A52B	14	YL	3574288C1
4	A53B	14	YL	3574288C1
5	A54B	16	BN	3574288C1
6	A19A	16	GY	3574288C1
7	–	–	–	–
8	A53E	14	YL	3574288C1
8	A64A	14	YL	3574288C1
9	A53F	14	YL	3574288C1
9	A64B	14	YL	3574288C1
10	A52B	14	YL	3574288C1
11	A52E	14	YL	3574288C1
12*	A14LP	10	RD	3574287C1
12*	A14WB	12	RD	3574287C1
12*	A103C	10	LTGN	3574287C1
13*	A12BD	12	LTBL	3574287C1
13*	A103D	12	LTGN	3574287C1
14*	A56B	16	OR	3574285C1
14*	A56F	16	YL	3574285C1
14*	A56	16	OR	3574285C1
15*	A57B	16	OR	3574285C1
15*	A57F	16	LTGN	3574285C1
15*	A57	16	OR	3574285C1
16	A41	18	GY	2003343C1
17*	A22AA	18	PK	2003343C1
17*	A87C	18	GY	2003343C1
18	A9BB	18	GY	2003343C1
19*	A61	18	GY	2003343C1
19*	A87KA	18	GY	2003343C1
20*	A87BA	18	GY	2003343C1
20*	A106A	18	GY	2003343C1
20#	A67AA	18	PK	2003343C1
21	A85E	16	GY	3574285C1
22	A64A	16	YL	3574285C1
23	A64B	16	YL	3574285C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
24*	A94B	18	GY	2003343C1
24*	A94BP	16	GY	3574285C1
24#	A67AA	18	PK	2003343C1
25	A110AD	18	GY	2003343C1
26	A22-GA	18	WH	3574289C1
27*	A94AB	14	GY	2003343C1
27*	A9ZB	18	GY	2003343C1
27*	A94	16	GY	3574285C1
28*	A94AA	14	GY	3574285C1
28*	A6A	18	GY	2003343C1
28%	A94A	16	GY	3574285C1
29*	A94AL	14	GY	2003343C1
29*	A40	18	GY	2003343C1
29%	A94B	16	GY	3574285C1
30*	A94L(+)	18	GY	2003343C1
30*	A94AC	18	GY	2003343C1
30*	A94C	16	GY	3574285C1
31*	A94L(-)	18	GY	2003343C1
31*	A94AD	18	GY	2003343C1
31*	A94D	16	GY	3574285C1
32*	A90H	18	GY	2003343C1
32*	A94AE	18	GY	2003343C1
32*	A94E	16	GY	3574285C1
32@	A90R	18	GY	2003343C1
33*	A90B	18	GY	2003343C1
33*	A94AF	18	GY	2003343C1
33*	A94F	16	GY	3574285C1
33@	A90D	18	GY	2003343C1
34*	A94AK	14	GY	3574285C1
34*	A94BF	18	GY	2003343C1
34*	A94H	16	GY	3574285C1
35*	A94R(+)	18	GY	2003343C1
35*	A94AJ	14	GY	3574285C1
35*	A94J	16	GY	3574285C1
36*	A94R(-)	18	GY	2003343C1
36*	A94AH	14	GY	3574285C1
36*	A94K	16	GY	3574285C1

* MUTUALLY EXCLUSIVE
# BENDIX WINGMAN W/FUSE W/BRKR
% BRAKE-ABS STANDARD W/FUSE
& PWR MIRRORS-HTD & HOOD-HTD & W/MOTORIZED & W/BRKR
@ ABS W/ HYDROMAX

CHART CONTINUED ON SHEET 40

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
MJV04	18MAR16	REVISED AND REDRAWN.	H	93408J	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 09JUN09
						PART NO. AE08058187 SHEET 039

Figure 598 Connector Composites (1700)

https://truckmanualshub.com/

13.82. CONNECTOR COMPOSITES (1700), P. 40

NAVISTAR, INC

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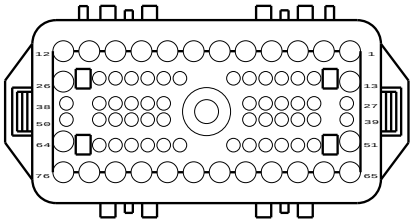
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CHART CONTINUE FROM SHEET 39

FORWARD CHASSIS
(1700)
(LOCATED ON FRONT LEFT DASH PANEL (UPPER))



CONNECTOR 3595625C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
37*	A94A	18	GY	2003343C1
37*	A92#103	18	TN	2003343C1
37*	A94BY	16	GY	3574285C1
37*	A5B(+)	18	YL	2003343C1
37*	A5Y(+)	18	YL	2003343C1
38*	A5B(-)	18	GN	2003343C1
38*	A5Y(-)	18	GN	2003343C1
38*	A94-GA6	14	WH	3574285C1
38*	A10-GV	18	WH	2003343C1
38*	A94BZ	16	GY	3574285C1
38*	A10-GV	16	WH	3549417C1
39*	A94C	18	GY	2003343C1
39*	A94BT	16	GY	3574285C1
40*	A94D	18	GY	2003343C1
40*	A94BU	16	GY	3574285C1
41*	A94-GA7	14	WH	3574285C1
41*	A94BS	16	GY	3574285C1
42	A94SBB	18	GY	2003343C1
43*	A104CC	18	DKBL	2003343C1
43#	A9	18	GY	2003343C1
43**	A104CC	18	PK	2003343C1
44*	A104CB	18	DKBL	2003343C1
45*	A89CE	18	PL	2003343C1
45*	A94E	18	GY	2003343C1
45*	A122E	18	PL	2003343C1
45*	A94BR	16	GY	3574285C1
46*	A94F	18	GY	2003343C1
46*	A122D	18	WH	2003343C1
46*	A89AR	18	PL	2003343C1
46*	A94BQ	16	GY	3574285C1
47*	A44Y	16	GY	3574285C1
47*	A67-GA	18	WH	2003343C1
48*	A92#103	18	TN	2003343C1
48*	A92B103	18	TN	2003343C1
48*	A94G	18	GY	2003343C1
48*	A89CF	18	PL	2003343C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
48*	A77P	18	LTGN	2003343C1
48*	A94BW	16	GY	3574285C1
49*	A92#101	18	TN	2003343C1
49*	A94H	18	GY	2003343C1
49*	A77S	18	LTGN	2003343C1
49*	A94BV	16	GY	3574285C1
50*	A40A	14	GY	3574285C1
50*	A94SAB	18	GY	2003343C1
51	A94SDB	18	GY	3574289C1
52	ATEM1	16	GY	3574285C1
53	ATEM2	16	GY	3574285C1
54	ATEM3	16	GY	3574285C1
55	ATEM4	16	GY	3574285C1
56	ATEM5	16	GY	3574285C1
57	ATEM6	16	GY	3574285C1
58	ATEM7	16	GY	3574285C1
59	ATEM8	16	GY	3574285C1
60	A94SCB	18	GY	2003343C1
61*	A41D	18	TN	2003343C1
61*	A44L	18	GY	2003343C1
61*	A5Y(-)	18	GN	2003343C1
61@@	A5B(-)	18	GN	2003343C1
61*#	A5A(-)	18	GN	2003343C1
62*	A41E	18	TN	2003343C1
62*	A44J	18	GY	2003343C1
62*	A5Y(+)	18	YL	2003343C1
62@@	A5B(+)	18	YL	2003343C1
62*#	A5A(+)	18	YL	2003343C1
63*	A78BC	16	LTGN	3574285C1
63*	A78BD	16	LTGN	3574285C1
63&	A78BA	16	LTGN	3574285C1
64*	A78AC	16	LTGN	3574288C1
64*	A78AD	16	LTGN	3574288C1
64&	A78AA	16	LTGN	3574288C1
65	A103M	12	LTGN	3574287C1
66	A103N	12	LTGN	3574287C1
67	A103P	12	LTGN	3574287C1
68	A14T	10	RD	3574287C1
69	A94SJ	16	GY	3574288C1
70	A94SK	16	GY	3574288C1
71	A94SM	16	GY	3574288C1
72	A94SN	16	GY	3574288C1
73	A94SL	16	GY	3574288C1
74	A94SZC	16	GY	3574288C1
75	A94SVC	16	GY	3574288C1
76	A94SH	16	GY	3574288C1

* MUTUALLY EXCLUSIVE
& PWR MIRRORS-HTD & HOOD-HTD & W/MOTORIZED & W/BRKR
** STARTERCONTROL W/ ISB W/ ALLISON XMSN
@@ J1939 AIR ABS W/ ISB
# W/ALLISION XMSN, REMOTE START STOP
*# J1939 W/ALLISION W/BENDIX

CHK	DATE	CHANGE	REV	REFERENCE
MJV04	16MAR16	REVISED AND REDRAWN.	H	93408J

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 040

Figure 599 Connector Composites (1700)

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13.83. CONNECTOR COMPOSITES (1701), P. 41

NAVISTAR, INC

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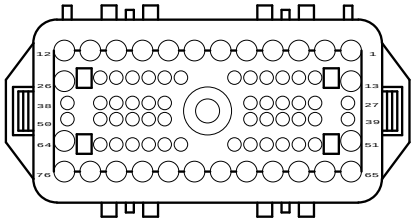
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

IP/ CENTER CHASSIS
(1701)
(LOCATED ON FRONT LEFT DASH PANEL (LOWER))



CONNECTOR 3595623C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A71A	16	OR	3574288C1
2*	A56	16	OR	3574288C1
2*	A70B	16	RD	3574288C1
3*	A57	16	OR	3574288C1
4*	A68B	16	BN	3574288C1
4*	A68	16	BN	3574288C1
5*	A56T	10	YL	3574287C1
5*	A56TS	16	YL	3574288C1
6*	A57T	10	LTGN	3574287C1
6*	A57TS	16	LTGN	3574288C1
7*	A54TS	16	BN	3574288C1
7*	A54T	10	BN	3574287C1
8*	A68TS	16	BN	3574288C1
8*	A68T	10	BN	3574287C1
9*	A70T	10	GY	3574287C1
9*	A70T	10	RD	3574287C1
9*	A70TS	14	RD	3574288C1
10*	A94TM	12	GY	3574287C1
10*	A94T	10	GY	3574287C1
10*	A94T	10	DKBL	3574287C1
10*	A94T	12	GY	3574287C1
11*	A94TE	16	GY	3574288C1
11*	A72	10	OR	3574287C1
11*	A72V	12	DKBL	3574287C1
11	A72NX	10	OR	3574287C1
12*	A56BB	16	YL	3574288C1
12*	A56R	16	YL	3574288C1
12*	A56BC	16	OR	3574288C1
13	A9	18	GY	3574289C1
14*	A94WL	18	GY	2003343C1
14*	A94L(+)	18	GY	2003343C1
14*	A94BM	16	GY	3574285C1
15*	A94WM	18	GY	2003343C1
15*	A94L(-)	18	GY	2003343C1
15*	A94BN	16	GY	3574285C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
16*	A94R(+)	18	GY	2003343C1
16*	A94BE	16	GY	3574285C1
16*	A94WW	14	GY	3574285C1
17*	A94R(-)	18	GY	2003343C1
17*	A94BD	16	GY	3574285C1
17*	A94WU	14	GY	3574285C1
18*	A3C(-)	18	GY	2003343C1
18*	A94BH	16	GY	3574285C1
18*	A94WN	14	GY	3574285C1
19*	A3C(+)	18	DKBL	2003343C1
19*	A94BF	16	GY	3574285C1
19*	A94WR	14	GY	3574285C1
20*	A94WX	18	GY	2003343C1
20*	A90F	18	GY	2003343C1
20*	A94BL	16	GY	3574285C1
21*	A44A	18	GY	2003343C1
21*	A94WZ	18	GY	2003343C1
21*	A94BJ	16	GY	3574285C1
22*	A94WS	18	GY	2003343C1
22*	A90B	18	GY	2003343C1
22*	A94BK	16	GY	3574285C1
22	A90D	18	GY	2003343C1
23*	A94WT	18	GY	2003343C1
23*	A90H	18	GY	2003343C1
23*	A94BA	16	GY	3574285C1
23	A90R	18	GY	2003343C1
24*	A90E	18	GY	2003343C1
24*	A94BB	16	GY	3574285C1
24*	A94-G7	14	WH	3574285C1
25*	A94-G6	16	WH	3574285C1
25*	A10-GV	18	WH	2003343C1
25*	A94BC	16	GY	3574285C1
25*	A94-G6	14	WH	3574285C1
26*	A94L	12	GY	3574287C1
26*	A94TA	12	YL	3574287C1
26	A28NX	18	TN	3574289C1
27	A36A	18	TN	2003343C1
28*	A57J	16	OR	3574285C1
28*	A57J	16	LTGN	3574285C1
29	A36B	18	TN	2003343C1
30*	A56J	16	OR	3574285C1
30*	A56J	16	YL	3574285C1
31*	A39	16	GY	3574285C1
31*	A39B	16	GY	3574285C1
32	A59B	18	GY	2003343C1
33	A59C	18	GY	2003343C1
34	A59D	18	GY	2003343C1
35*	A59DB	18	GY	2003343C1
35*	A59E	18	GY	2003343C1

* MUTUALLY EXCLUSIVE

CHART CONTINUED ON SHEET 42

CHK	DATE	CHANGE	REV	REFERENCE
0638	22JUN15	REVISED AND REDRAWN.	J	92974E

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 041

Figure 600 Connector Composites (1701)

https://truckmanualshub.com/

13.84. CONNECTOR COMPOSITES (1701), P. 42

NAVISTAR, INC

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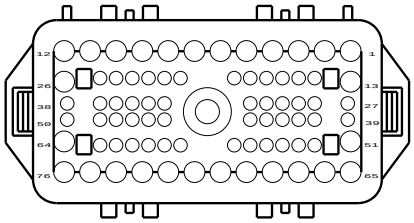
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CHART CONTINUED FROM SHEET 41

IP / CENTER CHASSIS
(1701)
(LOCATED ON FRONT LEFT DASH PANEL (LOWER))



CONNECTOR 3595623C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
36	A59G	18	GY	2003343C1
37	A59H	18	GY	2003343C1
38	A59J	18	GY	2003343C1
39	A59K	18	GY	2003343C1
40	A39A	16	GY	3574285C1
41*	A44Z	18	GY	2003343C1
41*	A87EA	18	GY	2003343C1
42	A56BC	16	YL	3574285C1
43*	A104CA	16	DKBL	3574285C1
43*	A6A	16	GY	3574285C1
43*	A32A	18	TN	2003343C1
44*	A59CA	16	GY	3574285C1
44*	A87EA	18	GY	2003343C1
44*	A59Q	18	GY	2003343C1
44*	A32	18	TN	2003343C1
44*	A38G	18	GY	2003343C1
45*	A49A	18	GY	2003343C1
45*	A6-GA	16	GY	3574285C1
46*	A6-GB	16	OR	3574285C1
46*	A59M	18	GY	2003343C1
46*	A94LA	18	GY	2003343C1
46*	A94SL	18	GY	2003343C1
47*	A59RB	18	GY	2003343C1
47*	A6-GC	16	DKBL	3574285C1
47*	A59N	18	GY	2003343C1
47*	A94LB	18	GY	2003343C1
47*	A94SM	18	GY	2003343C1
48*	A6-GD	16	LTGN	3574285C1
48*	A59P	18	GY	2003343C1
48*	A94LC	18	GY	2003343C1
48*	A94SN	18	GY	2003343C1
49*	A59Q	18	GY	2003343C1
49*	A94SJ	18	GY	2003343C1
50*	A49	18	GY	2003343C1
51	A20	16	LTGN	3574288C1
52	A5E(+)	18	YL	2003343C1
53	A5E(-)	18	GN	2003343C1
54*	A94LD	18	GY	2003343C1
54*	A59S	18	GY	2003343C1
54*	A94SA	18	GY	2003343C1
55*	A61B	18	GY	2003343C1
55*	A94LE	18	GY	2003343C1
55*	A59T	18	GY	2003343C1
55*	A94SC	18	GY	2003343C1
56*	A106B	18	GY	2003343C1
56*	A94LF	18	GY	2003343C1
56*	A59V	18	GY	2003343C1
56*	A94SB	18	GY	2003343C1
57*	A110B	18	GY	2003343C1
57*	A94LG	18	GY	2003343C1
57*	A59W	18	GY	2003343C1
57*	A94SD	18	GY	2003343C1
58*	A87DB	18	GY	2003343C1
58*	A44D	18	GY	2003343C1
59*	A87MB	18	GY	2003343C1
59*	A44N	18	GY	2003343C1
60*	A90-K	18	GY	2003343C1
60*	A59MB	18	GY	2003343C1
60*	A94SZC	18	GY	2003343C1
60*	A116M	18	GY	2003343C1
60*	A38A	18	GY	2003343C1
60*	A90-D	16	GY	3574285C1
61	A5AB(-)	18	GN	2003343C1
61*	A59NB	18	GY	2003343C1
61*	A94SVC	18	GY	2003343C1
61*	A5A(-)	18	GN	2003343C1
61*	A94AA	16	GY	3574285C1
61*	A94AA	14	GY	3574285C1
62	A5AB(+)	18	YL	2003343C1
62*	A59PB	18	GY	2003343C1
62*	A5A(+)	18	YL	2003343C1
62*	A94SH	18	GY	2003343C1
63*	A57BB	16	LTGN	3574285C1
63*	A57R	16	LTGN	3574285C1
63*	A57BC	16	OR	3574285C1
64	A57BC	16	LTGN	3574288C1
65*	A13A	12	PK	3574287C1
65*	A42	16	GY	3574288C1
65*	A47TS	18	GY	3574289C1
65*	A94AB	14	GY	3574288C1
66*	A13B	12	PK	3574287C1

* MUTUALLY EXCLUSIVE

CHART CONTINUE ON SHEET 42A

CHK	DATE	CHANGE	REV	REFERENCE
MJV04	16MAR16	REVISED AND REDRAWN.	J	93408J

DRAWN 310615 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V | DATE 09JUN09 | PART NO. AE08058187 | SHEET 042

Figure 601 Connector Composites (1701)

https://truckmanualshub.com/

13.85. CONNECTOR COMPOSITES (1701), P. 42A

NAVISTAR, INC

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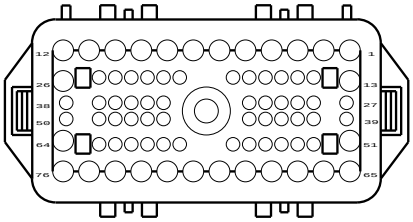
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CHART CONTINUED FROM SHEET 42

IP / CENTER CHASSIS
(1701)
(LOCATED ON FRONT LEFT DASH PANEL (LOWER))



CONNECTOR 3595623C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
66*	A116U	18	GY	3574289C1
66*	A87DB	18	GY	3574289C1
66*	A112	16	GY	3574288C1
67*	A13C	12	PK	3574287C1
67*	A19	16	GY	3574288C1
68*	A13D	12	PK	3574287C1
68*	A65	16	OR	3574288C1
69*	A94SK	16	GY	3574288C1
69*	A116L	18	GY	3574289C1
69*	A94SK	18	GY	3574289C1
69*	A44	16	GY	3574288C1
70	A9LB	18	WH	3574289C1
70*	A94W	18	GY	3574289C1
70*	A71N	16	OR	3574288C1
70*	A65AC	16	OR	3574288C1
71	A68TB	16	BN	3574288C1
71*	A68BB	14	BN	3574288C1
71*	A68BB	16	BN	3574288C1
72	A70B	16	RD	3574288C1
72*	A70BL	16	RD	3574288C1
72*	A70BL	14	RD	3574288C1
72*	A70BB	16	RD	3574288C1
72*	A70BB	14	RD	3574288C1
73	A71BB	16	LTBL	3574288C1
74	A58B	16	BN	3574288C1
74*	A54BB	16	BN	3574288C1
74*	A58BB	14	BN	3574288C1
75	A12BB	16	LTBL	3574288C1
76*	A13TC	16	PK	3574288C1
76*	A37D	16	TN	3574288C1
76*	A92AB	16	TN	3574288C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
MJV0088	28MAR16	REVISED AND REDRAWN.	D	93408J	MJV0088	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92218B	DATE 30JUL13 / PART NO. AE08058187 / SHEET 42A

Figure 602 Connector Composites (1701)

https://truckmanualshub.com/

13.86. CONNECTOR COMPOSITES (1701F), P. 43

NAVISTAR, INC

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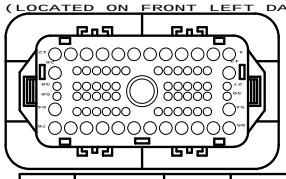
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CONNECTOR TO DASH HARNESS / CENTER CHASSIS / IP (1701F)
(LOCATED ON FRONT LEFT DASH PANEL (LOWER))



CONNECTOR 3595622C1

CAV	CIRC	GAUGE	COLOR	TERMINAL
1	N71A	14	OR	3549416C1
2	N56	14	OR	3549416C1
3	N57	14	OR	3549416C1
4	N68	14	BN	3549416C1
5*	N56T	10	YL	3549415C1
5#	N56D	10	YL	3549415C1
6*	N57T	10	LTGN	3549415C1
6#	N57D	10	LTGN	3549415C1
7#	N54D	10	BK	3549415C1
7*	N54T	10	BN	3549415C1
8#	N68D	10	BN	3549415C1
8*	N68T	10	BN	3549415C1
9#	N70D	10	RD	3549415C1
9*	N70T	10	RD	3549415C1
10#	N94T	10	DKBL	3549415C1
10*	N94T	10	GY	3549415C1
11*	N72	12	OR	3549415C1
11*	N72V	10	DKBL	3549415C1
11*	N72	10	OR	3549415C1
12	N56BB	16	YL	3549416C1
13	N9	16	GY	3549416C1
14*	N94BM	16	GY	3549417C1
14#	N94WL	16	GY	3549417C1
14@	N94L(+)	18	GY	3549418C1
14##	N94L(+)	18	TN	3549418C1
15*	N94BN	16	GY	3549417C1
15#	N94WM	16	GY	3549417C1
15@	N94L(-)	18	GY	3549418C1
15##	N94L(-)	18	TN	3549418C1
16*	N94BE	16	GY	3549417C1
16#	N94WW	14	GY	3549417C1
16@	N94R(+)	18	GY	3549418C1
16##	N94R(+)	18	TN	3549418C1
17*	N94BD	16	GY	3549417C1
17#	N94WU	16	GY	3549417C1
17@	N94R(-)	18	GY	3549418C1
17##	N94R(-)	18	TN	3549418C1
18*	N94BH	16	GY	3549417C1
18#	N94WN	14	GY	3549417C1
18@	N3C(-)	18	GY	3549418C1
19*	N94BF	16	GY	3549417C1
19#	N94WR	14	GY	3549417C1
19@	N3C(+)	18	DKBL	3549418C1
20*	N94BL	16	GY	3549417C1
20#	N94WX	18	GY	3549418C1
20@	N90F	18	GY	3549418C1
21*	N94BJ	16	GY	3549417C1

CHART CONTINUED ON SHEET 44

CAV	CIRC	GAUGE	COLOR	TERMINAL
21#	N94WZ	18	GY	3549418C1
21@	N44A	18	GY	3549418C1
22*	N94BK	16	GY	3549417C1
22#	N94WS	14	GY	3549417C1
22@	N90BA	18	GY	3549418C1
23*	N94BA	16	GY	3549417C1
23#	N94WT	16	GY	3549417C1
23@	N90H	18	GY	3549418C1
24*	N94BB	16	GY	3549417C1
24#	N94-G7	16	WH	3549417C1
24@	N90E	18	GY	3549418C1
24@	N90E	16	GY	3549417C1
24%	N94-G7	14	GY	3549417C1
24%	N94C	14	GY	3549417C1
25*	N94BC	16	GY	3549417C1
25#	N94-G6	14	WH	3549417C1
25@	N10-GV	16	WH	3549417C1
25@	N10-GV	18	WH	3549418C1
25%	N94-G6	14	GY	3549417C1
25%	N94A	14	GY	3549417C1
26*	N94TA	12	YL	3549415C1
26*	N94L	12	GY	3549415C1
26@@	N94L	10	GY	3549415C1
26%	N12-G	18	WH	3574277C1
27	N36A	18	TN	3549418C1
27&	N36-B	18	TN	3549418C1
27&&	N36-S	18	TN	3549418C1
28#	N10-GC	16	WH	3549417C1
29*	N36A	18	GY	3549418C1
29*	N36A	18	TN	3549418C1
29*	N36B	18	TN	3549418C1
30#	N56J	16	OR	3549417C1
31*	N39B	18	GY	3549418C1
31*	N39B	16	GY	3549417C1
32*	N59B	18	GY	3549418C1
32#	N59C	18	GY	3549418C1
33	N59C	18	GY	3549418C1
34	N59D	18	GY	3549418C1
35	N59E	18	GY	3549418C1
36	N59G	18	GY	3549418C1
36**	N59G	14	WH	3549417C1
37	N59H	18	GY	3549418C1
38	N59J	18	GY	3549418C1
39	N59K	18	GY	3549418C1
40	N39A	18	GY	3549418C1
41*	N87EA	18	GY	3549418C1
41*	N44N	18	GY	3549418C1
42	N56BC	16	YL	3549417C1

* MUTUALLY EXCLUSIVE
\# W/ IBB ENGINE
@ W/ CUMMINS ISB ENGINE
&& DUAL BOC TANK FOR MEDIUM CAB
& DUAL UNCAB TANK FOR HIGH CAB
% W/WABCO AIR ABS
** SOLENOID AIR, SPACK 6X4, W/FOS TANKS
NEXT GENERATION HYDRAULIC BRAKES

CHK	DATE	CHANGE	REV.	REFERENCE
0488	24MAR15	REVISED AND REDRAWN.	K	92927M

DRAWN	NAME
310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO.	DATE / PART NO. / SHEET
61229V	09JUN09 AE08058187 043

Figure 603 Connector Composites (1701F)

https://truckmanualshub.com/

13.87. CONNECTOR COMPOSITES (1701F), P. 44

NAVISTAR, INC

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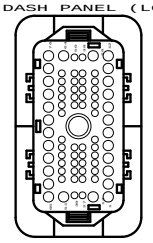
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CHART CONTINUED FROM SHEET 43

CONNECTOR TO DASH HARNESS / CENTER CHASSIS / IP (1701F) (LOCATED ON FRONT LEFT DASH PANEL (LOWER))



CONNECTOR 3595622C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
43#	N32A	18	TN	3549418C1
43#	N104CA	16	DKBL	3549417C1
44*	N32A	18	TN	3549418C1
44#	N59CA	16	GY	3549417C1
45	N49A	18	GY	3549418C1
46*	N59M	18	GY	3549418C1
46*	N94SL	18	GY	3549418C1
47*	N59N	18	GY	3549418C1
47*	N94SM	18	GY	3549418C1
48*	N59P	18	GY	3549418C1
48*	N94SN	18	GY	3549418C1
49*	N59Q	18	GY	3549418C1
49*	N94SJ	18	GY	3549418C1
50#	N49	18	GY	3549418C1
51	N20	16	LTGN	3549416C1
52	N5E(+)	18	YL	3549418C1
53	N5E(-)	18	GN	3549418C1
54*	N59S	18	GY	3549418C1
54*	N94SAB	18	GY	3549418C1
55*	N61B	18	GY	3549418C1
55*	N59T	18	GY	3549418C1
55*	N94SCB	18	GY	3549418C1
56*	N106B	18	GY	3549418C1
56*	N59V	18	GY	3549418C1
56*	N94SBB	18	GY	3549418C1
57*	N110B	18	GY	3549418C1
57*	N59W	18	GY	3549418C1
57*	N94SDB	18	GY	3549418C1
58*	N87DB	18	GY	3549418C1
58*	N44M	18	GY	3549418C1
58##	N87DA	16	GY	3549417C1
59#	N87MB	16	GY	3549417C1
59##	N87DB	16	GY	3549418C1
60*	N116M	18	GY	3549418C1
60*	N59ED	18	GY	3549418C1
60*	N59EF	18	GY	3549418C1
60*	N90K	18	GY	3549418C1
60%%	N94SZC	18	GY	3549418C1
61*	N94AA	16	GY	3549417C1
61*	N59EC	18	GY	3549418C1
61*	N5A(-)	18	GN	3549418C1
61&	N5A(-)	18	YL	3549418C1
61%%	N94SVC	18	GY	3549418C1
62*	N59ED	18	GY	3549418C1
62*	N5A(+)	18	YL	3549418C1
62&	N5A(+)	18	GN	3549418C1
62%%	N94SH	18	GY	3549418C1
63	N57BB	16	LTGN	3549417C1
64	N57BC	16	LTGN	3549416C1
65*	N94AB	16	GY	3549416C1
65*	N42	16	GY	3549416C1
65*	N47TS	16	GY	3549416C1
66*	N116U	16	GY	3549416C1
66*	N112	16	GY	3549416C1
67	N19	16	GY	3549416C1
67^	N19A	16	GY	3549416C1
67^	N19B	16	GY	3549416C1
67^	N19C	16	GY	3549416C1
67^	N19D	16	GY	3549416C1
68	N65	16	OR	3549416C1
69^	N94SK	18	GY	3574277C1
69*	N116L	16	GY	3549416C1
69*	N94SK	18	GY	3549416C1
70*	N65C	16	OR	3549416C1
70*	N71N	16	OR	3549416C1
71	N68BB	14	BN	3549416C1
72	N70BB	14	RD	3549416C1
73	N71BB	16	LTBL	3549416C1
74	N54BB	14	BN	3549416C1
75	N12BB	14	LTBL	3549416C1
76@	N37D	16	TN	3549416C1
76%*	N37C	16	TN	3549418C1

* MUTUALLY EXCLUSIVE
\# W/ IBB ENGINE
@ W/ CUMMINS ISB ENGINE
%% BENDIX ABS ADVANCED W/MD N/TRUCK W/RSM EXH
WASHER PUMP & LEVEL SENSOR AND LOW/MID CAB
%* W/DUAL UNCAB TANK
& W/NEXT GENERATION HYDRAULIC BRAKES
^ W/FWS MOUNTING (RACOR)

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	24MAR15	REVISED AND REDRAWN.	J	92927M	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 09JUN09 PART NO. AE08058187 SHEET 044

Figure 604 Connector Composites (1701F)

https://truckmanualshub.com/

13.88. CONNECTOR COMPOSITES (1702), P. 45

NAVISTAR, INC

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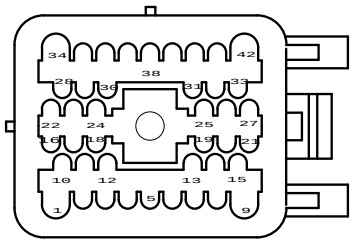
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ENGINE / IP INTERCONNECT
(1702)
(LOCATED ON FRONT CENTER DASH PANEL)



CONNECTOR 3595620C1
BODY LOCK 3598916C1
BODY LOCK 3598917C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1%	A92A20	16	WH	3549416C1
1%	A92A20	16	GY	0239481R1
1%	A92A20	16	GY	3549416C1
2#	K17C	16	PK	3549417C1
2*	K92C103	18	YL	3549418C1
2%	K9AA	16	GY	3549417C1
2%	K9AA	18	GY	3549418C1
2%	K9AAD	18	GY	3549418C1
2%	K9AAB	18	GY	3549418C1
3	K6DB	18	GY	3549418C1
4	K77B	18	LTGN	3549418C1
5	K28	18	TN	3549418C1
6%	K71A	16	OR	3549417C1
6*%	K92#145	18	OR	3549418C1
7#	K71B	16	OR	3549417C1
7*%	K92#165	18	TN	3549418C1
8%	K92#163	18	TN	3549418C1
8*	K13A	14	PK	3549417C1
9	K92DL	16	TN	3549416C1
10	K77	16	LTGN	3549417C1
11#	K5R(+)	18	YL	3549418C1
11*	K5R128	18	YL	3549418C1
12%	K92DM	16	TN	3549417C1
12%	K92#161	18	TN	2003343C1
13	K31	18	TN	3549418C1
14	K88	16	LTGN	3549417C1
15	K13AE	18	PK	3549418C1
16	K17	16	PK	3549417C1
17#	K5R(-)	18	GN	3549418C1
17*	K5R108	18	GN	3549418C1
18	K97P	18	PL	3549418C1
19*	K92#134	18	TN	3549418C1
19#	K17-GC	18	PK	3549418C1
20#	K17B	18	PK	3549418C1
20*	K92#141	18	TN	3549418C1

W/ IBB ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
%21	K92A11	16	TN	1667742C1
21#	K17C	16	PK	3549417C1
21*	K92C103	18	YL	3549418C1
22	K97C	18	PL	3549418C1
23	K97B	18	PL	3549418C1
24	K97M	18	PL	3549418C1
25#	K92E	16	TN	3549417C1
25*	K92#117	18	TN	3549418C1
26#	K92F	18	TN	3549418C1
26*	K92C158	18	LTGN	3549418C1
27#	K92H	18	TN	3549418C1
27*	K92#124	18	TN	3549418C1
27@	K92A11	16	TN	3549417C1
28	K99B	18	PL	3549418C1
29	K19N	18	PL	3549418C1
29	K97N	18	PL	3549418C1
30	K99D	18	PL	3549418C1
30	K99D-A	18	PL	3549418C1
31#	K92ER	18	TN	3549418C1
31*	K92#156	18	TN	3549418C1
32	K97S	18	VT	3549418C1
33	K97J	18	VT	3549418C1
34	PLUG	-	-	3508928C1
35	K3BA(+)	18	DKBL	3549418C1
36	K3BA(-)	18	GY	3549418C1
37	K13A	18	PK	3549418C1
38%	K47T	18	GY	3549418C1
38%	K92A15	18	TN	3549418C1
39*%	K92#161	18	TN	3549418C1
39#%	K92J	18	TN	3549418C1
39%	K92A	18	TN	3549418C1
40%	K98GN	18	GN	3549418C1
40%	K92B	18	TN	3549418C1
41*%	K92B112	18	TN	3549418C1
41%	K88A	16	LTGN	3549417C1
41#%	K98YL	18	YL	3549418C1
42	K97VT1	12	VT	3549415C1
42	K13AD	14	PK	3549416C1

@ MUTUALLY EXCLUSIVE
* W/ ALLISON XMSN
# W/ AUTOSHIFT AND ULTRASHIFT GEN3 XMSN
@ W/ ULTRASHIFT PLUS XMSN
% MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
0610	12NOV13	REVISED AND UPDATED.	G	92218B

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 045

Figure 605 Connector Composites (1702)

https://truckmanualshub.com/

13.89. CONNECTOR COMPOSITES (1702), P. 46

NAVISTAR, INC

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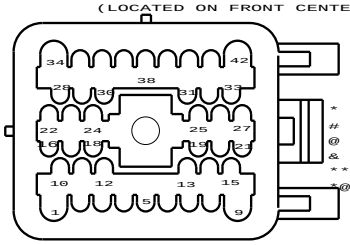
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ENGINE / IP INTERCONNECT
(1702)
(LOCATED ON FRONT CENTER DASH PANEL)



CONNECTOR 3595620C1
BODY LOCK 3598916C1
BODY LOCK 3598917C1

* MUTUALLY EXCLUSIVE
\# W/ IBB ENGINE
@ W/ CUMMINS ISB ENGINE
& W/ I6 2010 SCR ENGINE
** W/ EATON PROCISION XMSN
*@ W/ CUMMINS ISB ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*#	K92A20	16	GY	3549416C1
1*#	K92A20	16	WH	3549416C1
1&	K97Z	10	VT	3549415C1
1**	K92D	18	TN	3574277C1
2*#	K9AA	16	GY	3549417C1
2*#	K9AAB	18	GY	3549418C1
2*#	K9AAD	18	GY	3549418C1
2*#	K9AA	18	GY	3549418C1
2*@	K146	16	GY	3549417C1
2&	K9E	18	GY	3549418C1
2*	K146-G	16	GY	3549417C1
3*#	K6DB	18	GY	3549418C1
3*@	K77A	18	LTGN	3549418C1
3&	K6A	18	GY	3549418C1
4	K77B	18	LTGN	3549418C1
5#	K28	18	TN	3549418C1
5&	K17	18	PK	3549418C1
6*#	K71A	16	OR	3549417C1
6*#	K92#145	18	OR	3549418C1
6*@	K71A	18	OR	3549418C1
6&	K71B	16	OR	3549417C1
6&	K71D	16	OR	3549417C1
6&	K71	18	OR	3549418C1
6&	K92B145	18	OR	3549418C1
7*#	K71B	16	OR	3549417C1
7*#	K92#165	18	TN	3549418C1
7*@	K71B	18	TN	3549418C1
7&	K71C	16	OR	3549417C1
7&	K71E	16	OR	3549417C1
7&	K71A	16	OR	3549417C1
7**	K92K	18	TN	3549418C1
8*#	K13A	14	PK	3549417C1
8*#	K92#163	18	TN	3549418C1
8*@	K92#163	18	YL	3549418C1
8&	K13A	16	PK	3549417C1
8&	K13D	14	PK	3549417C1
8**	K92D	18	TN	3549418C1
9#	K92DL	16	TN	1661875C1
9&	K47D	16	GY	3549416C1
9&	K13B	14	PK	3549415C1
9**	K92B	18	TN	3574277C1
9**	K92	18	TN	3574277C1
10*#	K77	16	LTGN	3549417C1
10*@	K77	18	LTGN	3549418C1
10&	K77A	18	LTGN	3549417C1
11*#	K5R(+)	18	YL	3549418C1
11*#	K5R128	18	YL	3549418C1
11*@	K5A(+)	18	YL	3549418C1
11*	K5E(+)	18	YL	3549418C1
11*	K5J(+)	18	YL	3549418C1
11**	K5B(+)	18	YL	3549418C1
12*#	K92DM	16	TN	3549417C1
12*#	K1B	18	LTBL	3549418C1
12*@	K92#161	18	TN	3549418C1
13#	K31	18	TN	3549418C1
13&	K31F	18	TN	3549418C1
13&	K31E	16	TN	3549417C1
13&	K31B	18	TN	3549417C1
14#	K88	16	LTGN	3549417C1
14&	K88B	14	LTGN	3549417C1
14&	K17FA	16	PK	3549417C1
15#	K14HC	14	RD	3549417C1
15*@	K88	14	LTGN	3549417C1
15&	K17E	18	PK	3549418C1
15&	K17F	18	PK	3549418C1
15&	K17B	18	PK	3549418C1
16	K17	16	PK	3549417C1
16&	K17C	16	PK	3549417C1
17*#	K5R(-)	18	GN	3549418C1
17*#	K5R108	18	GN	3549418C1
17*#	K5R108	18	LTGN	3549418C1
17*@	K5A(-)	18	GN	3549418C1
17*	K5E(-)	18	GN	3549418C1
17**	K5B(-)	18	GN	3549418C1
18	K17	20	PK	3549418C1
18&	K17K	18	PK	3549418C1
18&	K17M	18	PK	3549418C1
19**	K92A	18	TN	3549418C1
19*#	K92#134	18	TN	3549418C1
19*#	K17-GC	18	PK	3549418C1
19*@	K92#142	18	WH	3549418C1
19&	K17K	18	PK	3549418C1
19&	K92#134	18	YL	3549418C1
20*#	K92#141	18	TN	3549418C1
20*#	K17B	18	PK	3549418C1
20*@	K92A141	18	TN	3549418C1
20&	K17L	18	PK	3549418C1
20**	K92G	18	TN	3549418C1
21*#	K92C103	18	YL	3549418C1
21*#	K17C	16	PK	3549417C1
21*@	K92B103	18	YL	3549418C1
21&	K17J	16	PK	3549417C1
21&	K92#103	18	YL	3549418C1
21&	K92D103	18	YL	3549418C1
22*#	K97C	18	PL	3549418C1
22*@	K97C	20	PL	3549418C1
23*#	K97B	18	PL	3549418C1
23*@	K97B	20	PL	3549418C1
24#	K97M	18	PL	3549418C1
24&	K23A	18	TN	3549418C1

CHART CONT ON SHEET 46A

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
MJV04	18MAR16	EATON PROCISION	K	93408J	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	WAS EPS				RELEASE NO. 61229V	DATE 09JUN09

PART NO. AE08058187 SHEET 046

Figure 606 Connector Composites (1702)

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13.90. CONNECTOR COMPOSITES (1702), P. 46A

NAVISTAR, INC

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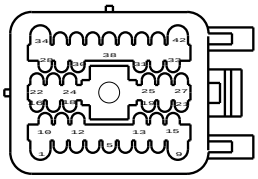
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ENGINE / IP INTERCONNECT
(1702)
(LOCATED ON FRONT CENTER DASH PANEL)



CONNECTOR 3595620C1
BODY LOCK 3598916C1
BODY LOCK 3598917C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
25*#	K92#117	18	TN	3549418C1
25*#	K92E	16	TN	3549417C1
25*#	K92DN	18	TN	3549418C1
25*@	K92#123	18	LTBL	3549418C1
25&	K98(+)	18	YL	3549418C1
25&	K92E	18	LTBL	3549418C1
25&	K92#123	18	LTBL	3549418C1
25&	K92B123	18	LTBL	3549418C1
25&	K92DL	18	LTBL	3549418C1
25&	K92#117	18	LTBL	3549418C1
25&	K92#123	18	LTGN	3549418C1
26*#	K92A3	18	TN	3549418C1
26#	K92C158	18	LTGN	3549418C1
26*	K92F	18	TN	3549418C1
26&	K98(-)	18	GN	3549418C1
26*	K92D158	18	LTGN	3549418C1
26*	K92F	18	LTGN	3549418C1
27#	K92A11	16	TN	3549417C1
27#	K92#124	18	TN	3549418C1
27*	K92H	18	TN	3549418C1
27&	K17B	18	PK	3549418C1
27*	K92H	18	WH	3549418C1
27*	K92#124	18	WH	3549418C1
28%	K99B	18	VT	3549418C1
28&	K99B	18	PL	3549418C1
28*	K99B	20	PL	3549418C1
29#	K97N	18	PL	3549418C1
29%	K97PB	18	WH	3549418C1
29&	K23B	18	TN	3549418C1
30#	K99D	18	PL	3549418C1
30@	K6B	18	GY	3549418C1
30@	K6B	18	PL	3549418C1
30%	K97PA	18	PL	3549418C1
30&	K97FT	18	PL	3549418C1
31#	K92A18A	16	TN	3549418C1
31#	K92ER	18	TN	3549418C1
31#	K92#156	18	TN	3549418C1
31*	K92#156	18	PK	3549418C1
31@	K92E	18	TN	3549418C1
31%	K92YB	18	TN	3549418C1
31&	K92YB	16	TN	3549417C1
31**	K92E	18	TN	3549418C1
32#	K97S	18	VT	3549418C1
32@	K97N	20	PL	3549418C1
32&	K97WB	18	PL	3549418C1
33#	K97J	18	VT	3549418C1
33@	K97M	20	PL	3549418C1
33&	K97M	18	PL	3549418C1
34#	K92A18A	16	TN	3549416C1
34#	K30BC	16	TN	3549416C1
34@	K18A	18	WH	3574277C1
34&	K19B	12	GY	3549415C1
35*	K3BA(+)	18	DKBL	3549418C1
35&	K3AA(+)	18	DKBL	3549418C1
35&	K3A(+)	18	DKBL	3549418C1
36*	K3BA(-)	18	GY	3549418C1
36&	K3AA(-)	18	GY	3549418C1
36&	K3A(-)	18	GY	3549418C1
37	K97F	18	GY	3549418C1
37#	K13A	18	PK	3549418C1
37@	K13	16	PK	3549417C1
37&	K97UA	18	VT	3549418C1
38#	K92A15	18	TN	3549418C1
38*	K47T	18	GY	3549418C1
38&	K97DF	18	PL	3549418C1
39%	K92AE	18	TN	3549418C1
39#	K92A	18	TN	3549418C1
39#	K92J	18	TN	3549418C1
39#	K92#161	18	TN	3549418C1
39&	K93	18	TN	3549418C1
39*	K92#161	18	OR	3549418C1
39*	K92AE	16	TN	3549417C1
39**	K92C	18	TN	3549418C1
40%	K92(-)	18	LTGN	3549418C1
40#	K92B	18	TN	3549418C1
40#	K98GN	18	GN	3549418C1
40@	K18T	18	PK	3549418C1
40&	K92C101	18	LTBL	3549418C1
40&	K92#101	18	LTBL	3549418C1
40&	K92(-)	18	GN	3549418C1
41#	K92B112	18	TN	3549418C1
41#	K88A	16	LTGN	3549417C1
41#	K98YL	18	YL	3549418C1
41*	K92B112	18	PK	3549418C1
41*	K92(+)	16	YL	3549418C1
41@	K92(+)	18	DKBL	3549418C1
41**	K92(+)	18	YL	3549418C1
42#	K97VT1	14	RD	3549416C1
42&	K14LSC	12	WH	3549415C1
42&	K17A	16	WH	3549416C1
42@	K92(-)	18	GY	3574277C1
42@	K92(-)	18	GN	3574277C1
42**	K92(-)	18	GN	3574277C1

* MUTUALLY EXCLUSIVE
# W/ IBB ENGINE
@ W/ CUMMINS ISB ENGINE
& W/ I6 2010 SCR ENGINE
% W/ ISM WORKSTAR
** W/ EATON PROCISION XMSN
W/ CUMMINS ISB ENGINE

CHK	DATE	CHANGE	REV	REFERENCE
MJV04	16MAR16	EATON PROCISION	D	93408J
	WAS EPS			

DRAWN 310615 | NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V | DATE 09JUN09 | PART NO. AE08058187 | SHEET 46A

Figure 607 Connector Composites (1702)

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13.91. CONNECTOR COMPOSITES (1702), P. 46B

NAVISTAR, INC

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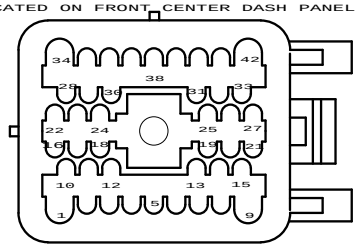
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ENGINE / IP INTERCONNECT (1702)
(LOCATED ON FRONT CENTER DASH PANEL)

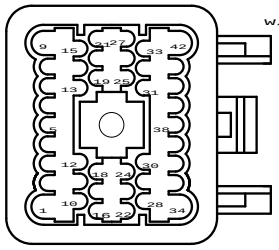


CONNECTOR 3595620C1
BODY LOCK 3598916C1
BODY LOCK 3598917C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3508928C1
2	A9E	18	GY	3549418C1
3	K6A	18	GY	3549418C1
4	K77B	18	LT GN	3549418C1
5	PLUG	-	-	3508928C1
6	K71B	16	OR	3549417C1
7	K71C	16	OR	3549417C1
8	PLUG	-	-	3508928C1
9	PLUG	-	-	3508928C1
10	K77A	16	LT GN	3549417C1
11	A5C(+)	18	YL	3549418C1
12	PLUG	-	-	3508928C1
13	PLUG	-	-	3508928C1
14	PLUG	-	-	3508928C1
15	K17E	18	PK	3549418C1
16	K17CC	16	PK	3549417C1
17	A5C(-)	18	LT GN	3549418C1
18	K17M	18	PK	3549418C1
19	PLUG	-	-	3508928C1
20	PLUG	-	-	3508928C1
21	PLUG	-	-	3508928C1
22	K99V	20	PL	3549418C1
23	K99E	20	PL	3549418C1
24	PLUG	-	-	3508928C1
25	PLUG	-	-	3508928C1
26	PLUG	-	-	3508928C1
27	PLUG	-	-	3508928C1
28	K97P	20	PL	3549418C1
29	PLUG	-	-	3508928C1
30	K99U	20	PL	3549418C1
31	PLUG	-	-	3508928C1
32	K99W	20	PL	3549418C1
33	K97Y	20	PL	3549418C1
34	PLUG	-	-	3508928C1
35	PLUG	-	-	3508928C1
36	PLUG	-	-	3508928C1
37	K97UA	20	PL	3549418C1
38	PLUG	-	-	3508928C1
39	K93	20	LT BL	3549418C1
40	PLUG	-	-	3508928C1
41	PLUG	-	-	3508928C1
42	PLUG	-	-	3508928C1

IP / ENGINE INTERCONNECT (1702)
(LOCATED ON FRONT CENTER DASH PANEL)

W/ I6 ENGINE



CONNECTOR 3595621C1
BODY LOCK 3598918C1
BODY LOCK 3598919C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3508928C1
2	A9E	20	GY	2003343C1
3	A6A	20	GY	2003343C1
4	A77B	20	LT GN	2003343C1
5	PLUG	-	-	3508928C1
6	K71	16	OR	3574285C1
7	K71AB	16	OR	3574285C1
8	PLUG	-	-	3508928C1
9	PLUG	-	-	3508928C1
10	K77A	16	LT GN	3595621C1
11	A5R(+)	18	YL	2003343C1
12	PLUG	-	-	3508928C1
13	PLUG	-	-	3508928C1
14	PLUG	-	-	3508928C1
15	A17B	18	PK	2003343C1
16	A17C	16	PK	3595621C1
17	A5R(-)	18	GN	2003343C1
18	K17M	18	PK	2003343C1
19	PLUG	-	-	3508928C1
20	PLUG	-	-	3508928C1
21	PLUG	-	-	3508928C1
22	A99V	18	PL	2003343C1
23	A99E	18	PL	2003343C1
24	PLUG	-	-	3508928C1
25	PLUG	-	-	3508928C1
26	PLUG	-	-	3508928C1
27	PLUG	-	-	3508928C1
28	A97P	18	PL	2003343C1
29	PLUG	-	-	3508928C1
30	A99U	18	PL	2003343C1
31	PLUG	-	-	3508928C1
32	A99W	18	PL	2003343C1
33	A97Y	18	PL	2003343C1
34	PLUG	-	-	3508928C1
35	PLUG	-	-	3508928C1
36	PLUG	-	-	3508928C1
37	A97UA	18	PK	2003343C1
38	PLUG	-	-	3508928C1
39	K93	18	TN	2003343C1
40	PLUG	-	-	3508928C1
41	PLUG	-	-	3508928C1
42	PLUG	-	-	3508928C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	INITIAL RELEASE.	A	92603H

DRAWN MJV0370
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92603H
DATE 15APR14
PART NO. AE08058187
SHEET 46B

Figure 608 Connector Composites (1702)

https://truckmanualshub.com/

13.92. CONNECTOR COMPOSITES (1702), P. 47

NAVISTAR, INC

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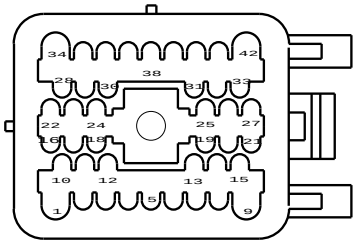
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ENGINE / IP INTERCONNECT
(1702)
(LOCATED ON FRONT CENTER DASH PANEL)



CONNECTOR 3595621C1
BODY LOCK 3598918C1
BODY LOCK 3598919C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	A97Z	10	VT	3574287C1
1*	A92A20	16	TN	3574288C1
1@*	A92	18	TN	3574289C1
2	A9E	20	GY	2003343C1
2@@	A9E	18	GY	2003343C1
3	A6A	20	GY	2003343C1
4	A77B	20	LTGN	2003343C1
5*	A13Z	18	PK	2003343C1
5*	A17	18	PK	2003343C1
5*	A46C	18	GY	2003343C1
6*	A71	16	OR	3574285C1
6*	A92#145	18	TN	2003343C1
7*	A71AB	16	OR	3574285C1
7*	A92#165	18	TN	2003343C1
8*	A13A	16	PK	3574285C1
8*	A92#163	16	TN	3574285C1
8*	A13D	16	PK	3574285C1
8&	A13D	14	PK	3574285C1
8&&	A92#163	18	TN	2003343C1
8@*	A13D	18	PK	2003343C1
9**	A14HF	14	RD	3574288C1
9***	A14HC	14	RD	3574288C1
9*	A47T	16	GY	3574288C1
9*@	A71C	18	WH	3574289C1
10	A77A	16	LT GN	3574285C1

* MUTUALLY EXCLUSIVE
% START CNTL, CUMMINS ISB W/ALLISON XMSN
@ ENGINE START W/CUMMINS ISB
# FUEL WATER/SEP - HEATED - ENGINE ISB
& XMSN, EATON AUTO / ULTRASHIFT3/VP
&& XMSN, WTEC GEN4 W/ CTR CONTROLES
** 2-WAY RADIO, OVERHEAD MTD W/ WORKSTAR SCR
*** 2-WAY RADIO, FLOOR MTD W/ WORKSTAR SCR
@@ ZERO VOLT REF W/ LOAD DISCONNECT
STARTER CONTROL, ISB, W/ ALLISON W/ ALTEC
%% ENGINE ECM, ISB W/ ULTRASHIFT
@* EATON PROCISION XMSN W/FUSE
*@ W/ EATON PROCISION W/FUSE
%* J1939 W/ALLISON W/BENDIX
@% J1939 W/ HYDRAULIC BRAKES N/ALLISON
%# J1939 W/ALLISON W/HYDRAULIC BRAKES

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
11	A5R(+)	18	YL	2003343C1
11%*	A5F(+)	18	YL	2003343C1
11@%	A5C(+)	18	YL	2003343C1
11%#	A5D(+)	18	YL	2003343C1
12*	A28B	18	TN	2003343C1
12*	A92#161	18	TN	2003343C1
13*	A97A	18	RD	2003343C1
13*	A31	18	TN	2003343C1
14*	A88	18	LTGN	2003343C1
14*	A17F	16	PK	3574285C1
14*	A88B	16	LTGN	3574285C1
15*	A17B	18	PK	2003343C1
15*	A41D	18	TN	2003343C1
16*	A17C	18	PK	3574285C1
16@	A17A	18	PK	2003343C1
16%%%	A17BA	18	PK	2003343C1
16@@@	A17B	18	PK	2003343C1
17	A5R(-)	18	GN	2003343C1
17%*	A5F(-)	18	GN	2003343C1
17@%	A5C(-)	18	GN	2003343C1
17%#	A5D(-)	18	GN	2003343C1
18*	A17M	18	PK	2003343C1
18*	A41E	18	TN	2003343C1
18*	A23A	16	TN	3574285C1
18@	A17B	18	PK	2003343C1
19*	A92#142	18	TN	2003343C1
19*	A17K	18	PK	2003343C1
19*	A92#134	18	TN	2003343C1
19&*	A92A	16	TN	3574285C1
19%%%	A17-G	18	WH	2003343C1
20*	A92#141	18	TN	2003343C1
20%%%	A92L	18	TN	2003343C1
20&*	A14F	14	RD	3574285C1
20##	A17E	18	PK	2003343C1
21*	A92#103	18	TN	2003343C1
21*	A17J	16	PK	3574285C1
21&*	A13A	14	PK	3574285C1
21%%%	A17BB	18	PK	3574285C1
21*	A92A103	18	TN	2003343C1
22*	A97C	18	PL	2003343C1
22*	A99V	18	PL	2003343C1
23*	A97B	18	PL	2003343C1
23*	A99E	18	PL	2003343C1
24*	A99D	18	PL	2003343C1
24*	A23A	18	TN	2003343C1
25*	A92E	16	TN	3574285C1
25*	A97B	18	LTGN	2003343C1
25*	A92DN	18	TN	2003343C1
25%%	A92E	18	LTBL	2003343C1

&* MANUAL XMSN W/BYPASS SWITCH
%%% ULTRASHIFT XMSN START W/FUSE
@@@ EATON PROCISION XMSN START W/FUSE

CHART CONTINUE ON SHEET 47A

CHK	DATE	CHANGE	REV	REFERENCE
MJV04	16MAR16	REVISED AND REDRAWN.	L	93408J

DRAWN 310615 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V | DATE 09JUN09 | PART NO. AE08058187 | SHEET 047

Figure 609 Connector Composites (1702)

https://truckmanualshub.com/

13.93. CONNECTOR COMPOSITES (1702), (1702B), P. 47A

NAVISTAR, INC

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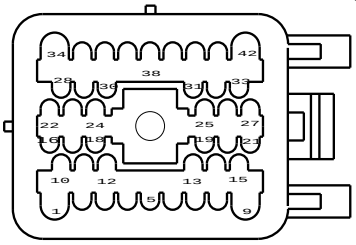
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CHART CONTINUE FROM SHEET 047

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
25*	A92#117	18	TN	2003343C1
26*	A92#158	18	TN	2003343C1
26*	A92F	16	TN	3574285C1
26*	A92A3	18	TN	2003343C1
26%%	A92F	18	LTGN	2003343C1
27*	A92#124	18	TN	2003343C1
27*	A92H	16	TN	3574285C1
27*	A97C	18	LTBL	2003343C1
27*	A92A1	18	TN	2003343C1
27%%	A92H	18	WH	2003343C1
28*	A99B	18	PL	2003343C1
28*	A97P	18	PL	2003343C1
29*	A97N	18	PL	2003343C1
29*	A23B	18	TN	2003343C1
30*	A97M	18	PL	2003343C1
30*	A97FU	18	PL	2003343C1
30*	A99U	18	PL	2003343C1
31*	A92YB	16	TN	3574285C1
31*	A92#156	18	TN	2003343C1
31*	A92#101	18	TN	2003343C1
31@*	A92YB	18	TN	2003343C1
32*	A97WC	18	PL	2003343C1
32*	A99W	18	PL	2003343C1
32*	A47TC	18	GY	2003343C1
33*	A97M	18	PL	2003343C1
33*	A97Y	18	PL	2003343C1
34*	A19	12	GY	3574287C1
34*	A92A18	16	TN	3574288C1
34#	A19	16	GY	3574288C1
35	A3AA(+)	18	DKBL	2003343C1
36*	A3AA(-)	18	GY	2003343C1
36&*	A92AH	14	TN	3574285C1
37*	A97UA	18	PK	2003343C1
37*	A97UA	16	PL	3574285C1
37%%	A13	16	PK	3574285C1
38*	A97DF	18	PL	2003343C1
38*	A47T	18	GY	2003343C1
38*	A46D	18	GY	2003343C1
38@@	A92#101	18	TN	2003343C1
39*	A92AE	16	TN	3574285C1
39*	A92#161	18	TN	2003343C1
39*	A93	18	TN	2003343C1
39@*	A92AE	18	TN	2003343C1
40*	A92(-)	18	GN	2003343C1
40*	A92#101	18	TN	2003343C1
40@	A17-G	18	WH	2003343C1
41*	A88A	18	LTGN	2003343C1
41*	A92(+)	18	YL	2003343C1
41*	A92#112	18	TN	2003343C1
42*	A14LSC	12	RD	3574287C1
42*	A97S	14	PL	3574288C1
42$	A92(-)	18	GN	3574289C1

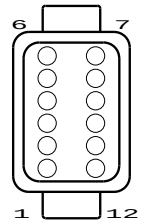
ENGINE / IP INTERCONNECT
(1702)
(LOCATED ON FRONT CENTER DASH PANEL)



CONNECTOR 3595621C1
BODY LOCK 3598918C1
BODY LOCK 3598919C1

* MUTUALLY EXCLUSIVE
@ ENGINE START W/CUMMINS ISB
# FUEL WATER/SEP - HEATED - ENGINE ISB
%% ENGINE ECM, ISB W/ ULTRASHIFT
$ XMSN, EATON AUTO W/ ULTRASHIFT W/ ISB
&* MANUAL XMSN W/BYPASS SWITCH
@@ ALSN 1000/2000 T HANDLE, WC LIFT W/ ISB ENGINE
@* EATON PROCISION XMSN 3/VP W/FUSE

ECM/IP
(1702B)
(LOCATED ON FRONT CENTER DASH PANEL)



CONNECTOR 1689499C1
BODY LOCK1 1689501C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A111A	18	TN	1680206C1
2	A111	18	TN	1680206C1
3	A12A	16	LTBL	1680206C1
4	A101A	18	TN	1680206C1
5	A101B	18	TN	1680206C1
6	A97ZA	18	DKBL	1680206C1
7	A24	18	GY	1680206C1
8*	A98S	18	GY	1680206C1
8	A98A	18	GY	1680206C1
9	A97ZB	18	GY	1680206C1
10	A19C	18	GY	1680206C1
11	PLUG	-	-	0453133C1
12	PLUG	-	-	0453133C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
MJV04	22MAR16	REVISED AND REDRAWN.	D	93408J

DRAWN 30000090
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92218B
DATE 31JUL13
PART NO. AE08058187
SHEET 47A

Figure 610 Connector Composites (1702), (1702B)

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13.94. CONNECTOR COMPOSITES (1702B), P. 47B

NAVISTAR, INC

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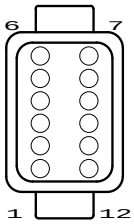
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

IP/ECM
(1702B)
(LOCATED ON FRONT CENTER DASH PANEL)



CONNECTOR 3601924C1
BODY LOCK 3601925C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	-
2	PLUG	-	-	-
3	PLUG	-	-	-
4	PLUG	-	-	-
5	PLUG	-	-	-
6	PLUG	-	-	-
7	PLUG	-	-	-
8	K98A	20	BK	1651988C1
9	K12D	16	LTBL	1651988C1
10	K19C	20	GY	1651988C1
11	PLUG	-	-	-
12	PLUG	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0610	12NOV13	INITIAL RELEASE.	A	92218B	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 09JUN09
						PART NO. AE08058187
						SHEET 47B

Figure 611 Connector Composites (1702B)

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13.95. CONNECTOR COMPOSITES (1800), P. 48

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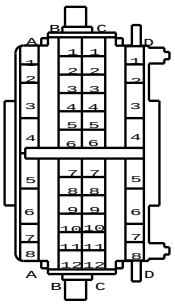
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

DCM CONN
(1800)
(LOCATED IN INSTRUMENT PANEL TO THE RIGHT OF STEERING COLUMN)



CONNECTOR 3553649C1
BODY LOCK 3553650C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	A56L	20	OR	3544883C1
A2	A57R	20	OR	3544883C1
A3	A11-GA	18	WH	3544876C1
A4	A9V	18	GY	3544876C1
A5*	A87A	18	GY	3544876C1
A5*	A87A	20	GY	3544875C1
A6	A70A	20	RD	3544875C1
A7	A52A	20	YL	3544883C1
A8	A102A	20	YL	3544883C1
B1	A82C	20	GY	3544883C1
B2	A40A	18	GY	3544884C1
B3*	A6B	18	GY	3544884C1
B3*	A6	18	GY	3544884C1
B3*	A6H	18	GY	3544884C1
B4*	A97B	18	PL	3544884C1
B4*	A97Y	18	PL	3544884C1
B5*	A97M	18	PL	3544884C1
B5*	A97FU	18	PL	3544884C1
B5*	A99U	18	PL	3544884C1
B6*	A97N	18	PL	3544884C1
B6*	A97WC	18	PL	3544884C1
B6*	A99W	18	PL	3544884C1
B7*	A44AA	16	GY	3544884C1
B7*	A44AA	18	GY	3544884C1
B7*	A44B	18	GY	3544884C1
B7*	A44A	16	GY	3544884C1
B8*	A44-G	18	GY	3544884C1
B8*	A86W	18	LTGN	3544884C1
B9*	A70	20	RD	3544883C1
B9*	A70	18	GY	3544884C1
B10	A85B	20	GY	3544883C1
B11*	A85K	18	GY	3544884C1
B11*	A100	20	GY	3544883C1
B11*	A85C	18	GY	3544884C1
B12	A97	20	GY	3544883C1
C1	A82B	20	GY	3544883C1
C2	A40B	18	GY	3544884C1
C3*	A94SVE	18	GY	3544884C1
C3*	A94SV	18	GY	3544884C1
C4*	A99B	18	PL	3544884C1
C4*	A99V	18	PL	3544884C1
C5*	A97C	18	PL	3544884C1
C5*	A97P	18	PL	3544884C1
C6*	A99D	18	PL	3544884C1
C6*	A97M	18	PL	3544884C1
C6*	A99E	18	PL	3544884C1
C7*	A44Y	18	GY	3544884C1
C8	A86V	18	LTGN	3544884C1
C9	A82A	20	GY	3544883C1
C10*	A94SZE	18	GY	3544884C1
C10*	A94SZ	18	GY	3544884C1
C11	A97A	18	PL	3544884C1
C12	A40	18	GY	3544884C1
D1*	A70EA	18	OR	3544884C1
D1*	A14EB	18	RD	3544884C1
D2*	A70DA	18	GY	3544884C1
D2*	A14EBA	18	RD	3544884C1
D3*	A101A	18	TN	3544876C1
D3*	A62DD	18	DKBL	3544876C1
D4*	A101B	18	TN	3544876C1
D4*	A24	18	GY	3544876C1
D5*	A94SE	18	GY	3544876C1
D5*	A94SE	16	GY	3544876C1
D6*	A94SF	18	GY	3544876C1
D6*	A94SF	16	GY	3544876C1
D7*	A17B	18	PK	3544884C1
D7*	A17A	18	PK	3544884C1
D7#	A17-GA	18	WH	3544884C1
D7@	A149AC	18	GY	3544884C1
D8&	A97B	18	PL	3544884C1
D8*	A17HB	18	PK	3544884C1
D8*	A17D	18	PK	3544884C1
D8#	A17-GB	18	WH	3544884C1

* MUTUALLY EXCLUSIVE
\# STRTR CNTL. CUMMINS ISB W/MANUAL XMSN
@ MANUAL XMSN START W/UTILITY BODY
& MANUAL XMSN START

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
MJV04138	18MAR16	REVISED AND REDRAWN.	H	93408J	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 09JUN09
					PART NO. AE08058187	SHEET 048

Figure 612 Connector Composites (1800)

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13.96. CONNECTOR COMPOSITES (1800F), P. 48A

NAVISTAR, INC

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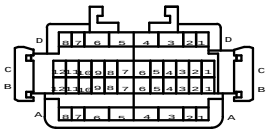
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

DCM HARNESS CONNECTOR (1800F)
(LOCATED IN INSTRUMENT PANEL TO THE
RIGHT SIDE OF STEERING COLUMN)



CONNECTOR 3612512C1
BODY LOCK1 3553652C1
BODY LOCK2 3612513C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	B56A	18	OR	3544886C1
A2	B57A	18	OR	3544886C1
A3	B11-GAA	18	WH	3544880C1
A4	B9V	18	GY	3544880C1
A5	B87A	18	GY	3544880C1
A6	B70A	18	OR	3544880C1
A7	B52A	18	YL	3544886C1
A8	B102A	18	YL	3544886C1
B1	B82B	18	GY	3544886C1
B2	B40A	18	GY	3544886C1
B3	B6H	18	GY	3544886C1
B4	B97Y	18	PL	3544886C1
B5	B99U	18	PL	3544886C1
B6	B99W	18	PL	3544886C1
B7%%	B44BB	18	GY	3544886C1
B7%	B44BB	18	WH	3544886C1
B8	-	-	-	-
B9	B70	18	OR	3544886C1
B9#	B70	18	RD	3544886C1
B10	B85B	18	GY	3544886C1
B11	B85C	18	GY	3544886C1
B12	B96	18	PL	3544886C1
C1	B82A	18	GY	3544886C1
C2	B40F	18	GY	3544886C1
C3	B94SV	18	GY	3544886C1
C4	B99V	18	PL	3544886C1
C5	B97P	18	PL	3544886C1
C6	B99E	18	PL	3544886C1
C7	B92DL	16	TN	3544886C1
C8	B92DM	16	TN	3544886C1
C9	B82	18	GY	3544886C1
C10	B94SZ	18	GY	3544886C1
C11	B96A	18	PL	3544886C1
C12	B40	18	GY	3544886C1
D1	B70R	18	OR	3544886C1
D2	B70CD	18	GY	3544886C1
D3	-	-	-	-
D4	-	-	-	-
D5	B94SE	18	GY	3544880C1
D6	B94SF	18	GY	3544880C1
D7	B17J	18	PK	3544886C1
D8	B17H	18	PK	3544886C1

W/ NEXT GEN HYD BRAKES

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	ADDED FEATURE OPTIONS	A	92674A	U021653	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	W/ NEXT	GEN HYD BRAKES.			RELEASE NO. 82436B / DATE 03NOV11	PART NO. AE08058187 / SHEET 48A

Figure 613 Connector Composites (1800F)

https://truckmanualshub.com/

13.97. CONNECTOR COMPOSITES (1804), (1807), (1809), (1810), P. 49

NAVISTAR, INC

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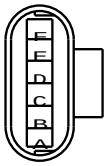
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

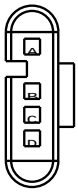
DUAL ANALOG ACCELERATOR
(1804)
(LOCATED ABOVE ACCELERATOR PEDAL)



CONNECTOR 1687790C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	B99V	18	PL	1651943C1
B	B97Y	18	PL	1651943C1
C	B97P	18	PL	1651943C1
D	B99U	18	PL	1651943C1
E	B99W	18	PL	1651943C1
F	B99E	18	PL	1651943C1

CLUTCH SWITCH
(1807)
(LOCATED ON CLUTCH PEDAL)



CONNECTOR 3540757C1
BODY LOCK 3540758C1

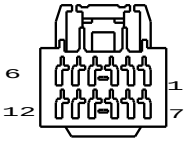
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	B17J	18	PK	1667742C1	3568570C1
B	B17H	18	PK	1667742C1	3568570C1
C	B96A	18	PL	1667742C1	3568570C1
D	B9VB	18	GY	1667742C1	3568570C1

CLOCK SPRING
(1809)
(LOCATED IN STEERING COLUMN)

CONNECTOR 3547870C1
BODY LOCK 3515764C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	B9R	18	GY	1661261C1
B	B96	18	PL	1661261C1
C	B85C	18	GY	1661261C1
D	B85B	18	GY	1661261C1

TURN SIGNAL SWITCH
(1810)
(LOCATED ON STEERING COLUMN)



CONNECTOR 3539212C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	B56A	18	OR	3571717C1
2	B57A	18	OR	3571717C1
3	B52A	18	YL	3571717C1
4	B102A	18	YL	3571717C1
5	B82B	18	GY	3571717C1
6	B11-GAA	18	WH	3571717C1
7	B9S	18	GY	3571717C1
8	B82	18	GY	3571717C1
9	-	-	-	-
10	-	-	-	-
11	B82A	18	GY	3571717C1
12	B87A	18	GY	3571717C1

CHK	DATE	CHANGE	REV	REFERENCE
MEF2	22JUN10	ADDED CONN 1804,	C	67657R
		1807, 1809 AND 1810.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 049

Figure 614 Connector Composites (1804), (1807), (1809), (1810)

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13.98. CONNECTOR COMPOSITES (1811), (1812), (1813), P. 50

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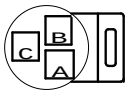
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

PRIMARY AIR TRANSDUCER
(1811)
(LOCATED AT BASE OF STEERING COLUMN)

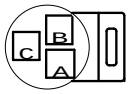


CONNECTOR 1678137C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	B9VC	18	GY	1651943C1
B*	B6HB	18	GY	1651943C1
B**	B6H	18	GY	1651943C1
C	B40	18	GY	1651943C1

* W/ AIR BRAKES
** W/ HYD AND AIR PARK BRAKES

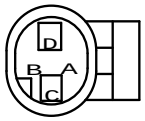
SECONDARY AIR TRANSDUCER
(1812)
(LOCATED AT BASE OF STEERING COLUMN)



CONNECTOR 1678137C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	B9VE	18	GY	1651943C1
B	B6HA	18	GY	1651943C1
C	B40A	18	GY	1651943C1

PARK BRAKE
(1813)
(LOCATED AT BASE OF STEERING COLUMN)



CONNECTOR 1661777C1
BODY LOCK 1661873C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	PLUG	-	-	-	-
B	PLUG	-	-	-	-
C	B44BB	18	GY	1661875C1	3568570C1
D	B9VD	18	GY	1661875C1	3568570C1

CHK	DATE	CHANGE	REV.	REFERENCE
0610	12NOV13	MVD R/D 1814 & 1815.	D	92218B

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 050

Figure 615 Connector Composites (1811), (1812), (1813)

https://truckmanualshub.com/

13.99. CONNECTOR COMPOSITES (1815), P. 50A

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

PARK BRAKE
(1815)
(LOCATED AT BASE OF STEERING COLUMN)

CONNECTOR 1661259C1
BODY LOCK 1661264C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	WHITE	18	WH	1661261C1
B	BLK1	18	BK	1661261C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	09SEP15	REMOVED R/D 1814	B	93248U	MJV0088	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	AND 1815.				RELEASE NO. 92218B	DATE 30JUL13 / PART NO. AE08058187 / SHEET 50A

Figure 616 Connector Composites (1815)

https://truckmanualshub.com/

13.100. CONNECTOR COMPOSITES (1820F), (1820M), (1822), P. 51

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

RSP / ESP SWITCH
CAB HARNESS STEERING WHEEL SENSOR
(1820F)
(LOCATED IN INSTRUMENT PANEL TO THE RIGHT OF STEERING COLUMN)

CONNECTOR 1667529C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	B94SA	20	GY	3634481C1
B	B94SB	20	GY	3634481C1
C	B94SC	20	GY	3634481C1
D	B94SD	20	GY	3634481C1

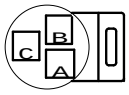
RSP/ESP SWS
(1820M)
(LOCATED IN INSTRUMENT PANEL TO THE RIGHT OF STEERING COLUMN)

CONNECTOR 1667305C1
BODY LOCK 1661263C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A@	A94SAB	18	GY	1661261C1
A@	A94SA	20	GY	3544254C1
B@	A94SBB	18	GY	1661261C1
B@	A94SB	20	GY	3544254C1
C@	A94SCB	18	GY	1661261C1
C@	A94SC	20	GY	3544254C1
D@	A94SDB	18	GY	1661261C1
D@	A94SD	20	GY	3544254C1

@ MUTUALLY EXCLUSIVE

TRANSDUCER CONNECTOR
(1822)
(LOCATED AT BASE OF STEERING COLUMN)



CONNECTOR 1678137C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	B9VF	18	GY	1651943C1
B	B6HC	18	GY	1651943C1
C	B40F	18	GY	1651943C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	24JAN14	REMOVED R/D 1821.	E	92372W

DRAWN 310615 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V | DATE 09JUN09 | PART NO. AE08058187 | SHEET 051

Figure 617 Connector Composites (1820F), (1820M), (1822)

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13.101. CONNECTOR COMPOSITES (1823), (1824), (1825), P. 52

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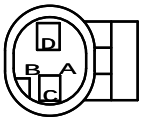
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

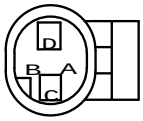
STOP LIGHT # 1
(1823)
(LOCATED AT BASE OF STEERING COLUMN)



CONNECTOR 1661777C1
BODY LOCK 1661873C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	-	-	-	-	-
B	-	-	-	-	-
C	B70A	18	OR	1661875C1	3568570C1
D	B9VG	18	GY	1661875C1	3568570C1

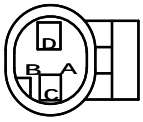
STOP LIGHT # 2
(1824)
(LOCATED AT BASE OF STEERING COLUMN)



CONNECTOR 1661777C1
BODY LOCK 1661873C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	-	-	-	-	-
B	-	-	-	-	-
C	B70	18	OR	1661875C1	3568570C1
D	B9VH	18	GY	1661875C1	3568570C1

BRAKE PRESSURE SWITCH
(1825)
(LOCATED AT BASE OF STEERING COLUMN)



CONNECTOR 1661777C1
BODY LOCK 1661873C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	-	-	-	-	-
B	-	-	-	-	-
C	B70R	18	OR	1661875C1	3568570C1
D	B70CD	18	GY	1661875C1	3568570C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	24JAN14	REMOVED R/D 1826.	D	92372W	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 09JUN09
						PART NO. AE08058187 SHEET 052

Figure 618 Connector Composites (1823), (1824), (1825)

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13.102. CONNECTOR COMPOSITES (1828), (1829), (1852), (1852A), P. 53

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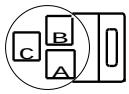
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

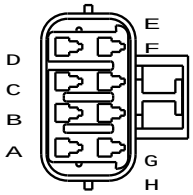
ABS SECONDARY AIR TRANSDUCER
(1828)
(LOCATED NEAR BRAKE PEDAL)



CONNECTOR 1678137C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	B94SZB	18	GY	1651943C1
B	B94SVB	18	GY	1651943C1
C	B94SF	18	GY	1651943C1

LCT COLUMN SHIFTER
(1828)
(LOCATED ON THE BACK OF LCT SHIFT SELECTOR)



CONNECTOR 3525872C1
BODY LOCK 3525873C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	PLUG	-	-	-	-
B*	A92-GAH	18	GY	1661875C1	3568570C1
B#	A92-GAH	18	WH	1661875C1	3568570C1
C	A92A163	18	TN	1661875C1	3568570C2
D	A92D	18	TN	1661875C1	3568570C4
E	A92#142	18	TN	1661875C1	3568570C5
F@	A92A103	18	TN	1661875C1	3568570C6
F*	A92B103	18	TN	1661875C1	3568570C7
F#	A92#103	18	TN	1661875C1	3568570C8
G&	A44L	18	GY	1661875C1	3568570C9
G*	A122AB	18	PL	1661875C1	3568570C10
H	A44J	18	GY	1661875C1	3568570C11

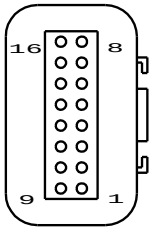
* ALSN W/PARK COL SHFT,WC LIFT, V8, W/FUSE W/LIFT SWITCH
\# XMSN, ALSN W/PARK COL SHFT W/FUSE
@ ALSN W/PARK COL SHFT,WC LIFT W/FUSE
& XMSN, ALSN 1000/2000 COL SHFT W/FUSE

2ND BRAKE SWITCH INPUT
(1829)
(LOCATED NEAR BRAKE PEDAL)

CONNECTOR 1664531C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	BY12	18	LTBL	2033819C1	351771C1

WTEC SHIFT SELECTOR CONN
(1852 / 1852A)
(LOCATED IN INSTRUMENT PANEL NEAR SHIFTER)



CONNECTOR 3605446C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3518314C1
2	PLUG	-	-	3518314C1
3	A62BE	18	GY	3517243C1
4	PLUG	-	-	3518314C1
5	A92-GAH	18	WH	3517243C1
6	PLUG	-	-	3518314C1
7	PLUG	-	-	3518314C1
8	A5FA(+)	18	YL	3517243C1
8*	A5BA(+)	18	YL	3517243C1
8*	A5GA(+)	18	YL	3517243C1
9	PLUG	-	-	3518314C1
10	PLUG	-	-	3518314C1
11	A92#134	18	TN	3517243C1
12	A92A163	18	TN	3517243C1
13	A92BT	18	TN	3517243C1
14	PLUG	-	-	3518314C1
15	A5FA(-)	18	GN	3517243C1
15*	A5BA(-)	18	GN	3517243C1
15*	A5GA(-)	18	GN	3517243C1
16	PLUG	-	-	3518314C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
MJV04	16MAR16	REVISED AND REDRAWN.	G	93408J

DRAWN 310615 NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V DATE 09JUN09 PART NO. AE08058187 SHEET 053

Figure 619 Connector Composites (1828), (1829), (1852), (1852A)

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13.103. CONNECTOR COMPOSITES (1861), (1872), (1873), P. 54

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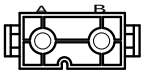
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

TWO POST POWER SOURCE
(1861)
(LOCATED IN INSTRUMENT PANEL CENTER)
(JUMPER HARNESS)

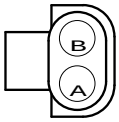


* W/ CIGAR
@ N/ CIGAR

CONNECTOR 3517473C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A*	A86S	14	LTGN	3517476C1
A@	A86N	14	LTGN	3517476C1
B*	A86-GS	14	WH	3517476C1
B@	A86-GBL	14	WH	3517476C1

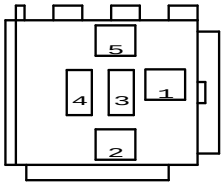
AUX-POWER CONNECTOR
(1872)
(LOCATED AT INSTRUMENT PANEL CENTER)



CONNECTOR 0587568C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A72A	12	OR	1673747C1	0589391C1
B	A72-GY	12	WH	1673747C1	0589391C1

AUX-POWER RELAY
(1873)
(LOCATED AT INSTRUMENT PANEL CENTER)



CONNECTOR 0593385C1
BODY LOCK 0593387C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	A13F	16	PK	2018946C1
1#	A104J	16	DKBL	2018946C1
1@	A103BA	16	LTGN	1661228C1
1@	A103C	10	LTGN	1661228C1
1%	A14LP	10	RD	1661710C1
1&	A72C	12	OR	2022374C1
1**	A14WB	12	RD	1661228C1
1**	A14WC	14	RD	1661228C1
2@	A103AA	18	LTGN	1659673C1
2%	A12LC	18	PK	1659673C1
2@@	A104A	18	DKBL	1659673C1
2&	A13X	16	PK	1661709C1
2**	A12BC	18	LTBL	1659673C1
3	A13XA	16	PK	2018946C1
4&	A72A	12	OR	2022374C1
4@	A103D	12	LTGN	2022374C1
4%	A14BC	16	RD	1661710C1
4%	A14LSC	12	RD	1661710C1
4**	A12BD	12	LTBL	2022374C1
5%%	A13XA	16	PK	1661710C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
5*	A13XA	16	PK	1661709C1
5%%	A13DBAL	14	BN	1661710C1
5*	A13DB	18	PK	1661709C1
5%	A11-GCB	18	WH	1659673C1
5@	A103BA	16	LTGN	2018946C1
5**	A14WC	14	RD	2018946C1

* IGNITION FEED-THEFT DETERRENT
# IGN-THEFT DETERRENT REMOTE START/STOP
@ AUXILIARY 40 AMP CIRCUIT
% LECTRASHIFT PTO
& AUXILIARY POWER SOURCE W/FUSE
** AUXILIARY 30 AMP CIRCUIT
@@ BODY INTEGRATED, THEFT DETERRENT SYS
%% IGNITION FEED-THEFT DETERRENT W/UTILITY BODY

CHK	DATE	CHANGE	REV	REFERENCE
0488	24MAR15	UTILITY BODY WAS	J	92927M
	ALTEC.			

DRAWN	NAME
310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V	DATE 09JUN09
PART NO. AE08058187	SHEET 054

Figure 620 Connector Composites (1861), (1872), (1873)

https://truckmanualshub.com/

13.104. CONNECTOR COMPOSITES (1873B), (1873C), (1873D), P. 54A

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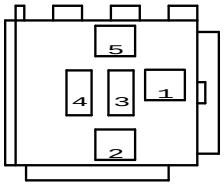
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

AUX-POWER RELAY
(1873B)
(LOCATED AT INSTRUMENT PANEL CENTER)

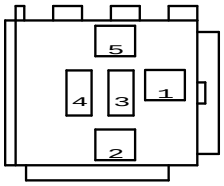


CONNECTOR 0593385C1
BODY LOCK 0593387C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	A103BA	16	LTGN	1661228C1
1*	A103C	10	LTGN	1661228C1
2	A103AA	18	LTGN	1659673C1
3	PLUG	-	-	-
4	A103D	12	LTGN	1661710C1
5	A103BA	16	LTGN	1661709C1

* MUTUALLY EXCLUSIVE

OPTIONAL RELAY
(1873C)
(LOCATED AT INSTRUMENT PANEL CENTER)

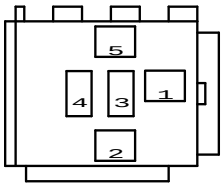


CONNECTOR 0593385C1
BODY LOCK 0593387C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	A88B	18	LTGN	1659673C1
1*	A92A20	16	TN	1661709C1
1&	A12	18	DKBL	1659673C1
2*	A88V	18	LTGN	1661709C1
2*	A88VA	18	LTGN	1661709C1
2*	A92-GN1	18	WH	1659673C1
2@	A14RD	10	RD	1661710C1
2&	A12C	18	LTBL	1661709C1
2&	A12CAA	18	LTBL	1661709C1
3	PLUG	-	-	-
4*	A9ZB	18	GY	1661709C1
4*	A9ZC	18	GY	1661709C1
4*	A92A3	18	TN	1659673C1
4&	A12CAA	18	LTBL	1661709C1
4&	A12D	18	LTBL	1661709C1
5*	A88	18	LTGN	1659673C1
5*	A92DN1	18	TN	1659673C1
5&	A9LCB	18	WH	1659673C1

* MUTUALLY EXCLUSIVE
\# ZERO VOLT REF W/ LOAD DISCONNECT
& SPARE WIRING W/ LOAD DISCONNECT

PTO B RELAY
(1873D)
(LOCATED AT INSTRUMENT PANEL CENTER)



CONNECTOR 0593385C1
BODY LOCK 0593387C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A88C	18	LTGN	1659673C1
2	A88A	18	LTGN	1659673C1
3	PLUG	-	-	-
4	A9ZB	18	GY	1659673C1
5	A88VA	18	LTGN	1659673C1

CHK	DATE	CHANGE	REV	REFERENCE
0638	22JUN15	REVISED AND REDRAWN.	D	92974E

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 86976G
DATE 18FEB13
PART NO. AE08058187
SHEET 54A

Figure 621 Connector Composites (1873B), (1873C), (1873D)

https://truckmanualshub.com/

13.105. CONNECTOR COMPOSITES (1873E), (1873F), (1873G), P. 54B

NAVISTAR, INC

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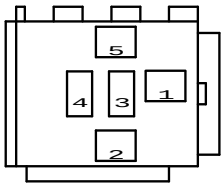
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

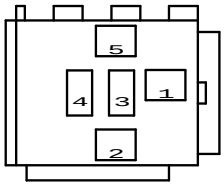
SNOW VALVE RELAY
(1873E)
(LOCATED AT INSTRUMENT PANEL CENTER)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A13A	18	PK	1659673C1
2	A23H	18	TN	1659673C1
3	A23DC	18	TN	1659673C1
4	A23B	18	TN	1659673C1
5	A11-GD	18	WH	1659673C1

CONNECTOR 0593385C1
BODY LOCK 0593387C1

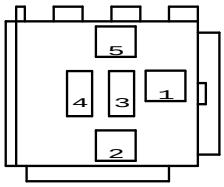
SNOW VALVE RELAY
(1873F)
(LOCATED AT INSTRUMENT PANEL CENTER)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A11-GC	18	WH	1659673C1
2	A23G	18	TN	1659673C1
3	A23E	18	TN	1659673C1
4	A23DA	18	TN	1659673C1
5	A11-GB	18	WH	1659673C1

CONNECTOR 0593385C1
BODY LOCK 0593387C1

SNOW VALVE RELAY
(1873G)
(LOCATED AT INSTRUMENT PANEL CENTER)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A13A	18	PK	1659673C1
2	A23H	18	TN	1659673C1
3	A23DC	18	TN	1659673C1
4	A23B	18	TN	1659673C1
5	A11-GD	18	WH	1659673C1

CONNECTOR 0593385C1
BODY LOCK 0593387C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0610	12NOV13	INITIAL RELEASE.	A	92218B	MJV0088	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92218B	DATE 30JUL13 / PART NO. AE08058187 / SHEET 54B

Figure 622 Connector Composites (1873E), (1873F), (1873G)

https://truckmanualshub.com/

13.106. CONNECTOR COMPOSITES (1873H), (1873J), P. 54C

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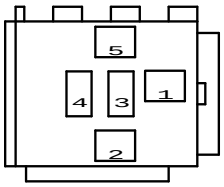
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

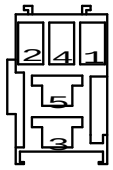
SNOW VALVE RELAY
(1873H)
(LOCATED AT INSTRUMENT PANEL CENTER)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A11-GC	18	WH	1659673C1
2	A23G	18	TN	1659673C1
3	A23E	18	TN	1659673C1
4	A23DA	18	TN	1659673C1
5	A11-GB	18	WH	1659673C1

CONNECTOR 0593385C1
BODY LOCK 0593387C1

ANTI THEFT RELAY
(1873J)
(LOCATED AT INSTRUMENT PANEL CENTER)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A45B	18	LTGN	2025418C1
2	A45-GB	18	LTGN	2025418C1
3	A97ZB	18	GY	1659673C1
4	A19C	18	GY	2025418C1
5	PLUG	-	-	-

CONNECTOR 2028683C1
BODY LOCK 2028684C1

CHK	DATE	CHANGE	REV.	REFERENCE	DRAWN	NAME
0488	24JAN14	REMOVED R/D 1873N.	B	92372W	MJV0088	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92218B	DATE 30JUL13

PART NO. AE08058187 SHEET 54C

Figure 623 Connector Composites (1873H), (1873J)

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13.107. CONNECTOR COMPOSITES (1873W), P. 54D

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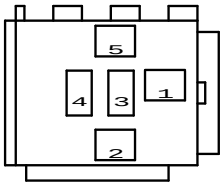
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

HIGH/LOW REVERSING MOTOR M2(-)
(1873W)
(LOCATED AT INSTRUMENT PANEL CENTER)



CONNECTOR 0593385C1
BODY LOCK 0593387C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A13D	12	PK	1661710C1
1#	A14A	10	RD	1661710C1
2	A11-GM	18	LTBL	1659673C1
2#	A12A	18	DKBL	1659673C1
3*	A11-GL	12	LTBL	3729549C1
3*	A11-GN	12	LTBL	3729549C1
4*	A13G	12	RD	3729549C1
4*	A13H	12	RD	3729549C1
4#	A14RA	10	RD	1661710C1
5	A6D	18	GY	1659673C1
5#	A12-GA	18	WH	1659673C1

* MUTUALLY EXCLUSIVE
\# SPARE WIRING W/ LOAD DISCONNECT

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0638	22JUN15	REVISED AND REDRAWN.	C	92974E	MJV0088	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92218B	DATE 30JUL13 / PART NO. AE08058187 / SHEET 54D

Figure 624 Connector Composites (1873W)

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13.108. CONNECTOR COMPOSITES (1873X), (1873Y), (1873Z), P. 54E

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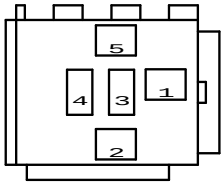
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

HIGH/LOW REVERSING MOTOR M2(+)
(1873X)
(LOCATED AT INSTRUMENT PANEL CENTER)

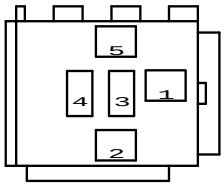


CONNECTOR 0593385C1
BODY LOCK 0593387C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A13C	12	PK	1661710C1
1#	A14B	10	RD	1661710C1
2*	A11-GM	18	LTBL	1661709C1
2*	A11-GK	18	LTBL	1661709C1
2#	A12B	18	DKBL	1659673C1
3*	A11-GL	12	LTBL	3729549C1
3*	A11-GJ	12	LTBL	3729549C1
4	A13G	12	RD	1661710C1
4#	A14RB	10	RD	1661710C1
5	A6C	18	BN	1659673C1
5#	A12-GB	18	WH	1659673C1

* MUTUALLY EXCLUSIVE
\# SPARE WIRING W/LOAD DISCONNECT

FRONT AXLE REVERSING M1(-) RELAY
(1873Y)
(LOCATED AT INSTRUMENT PANEL CENTER)

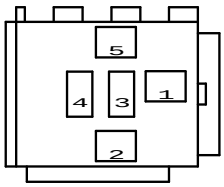


CONNECTOR 0593385C1
BODY LOCK 0593387C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A13B	12	PK	1661710C1
1&	A14C	10	RD	1661710C1
2#	A11-GK	18	LTBL	1661709C1
2#	A11-GI	18	LTBL	1661709C1
2#	A12C	18	DKBL	1659673C1
3*	A11-GJ	12	LTBL	3729549C1
3*	A11-GH	12	LTBL	3729549C1
4*	A13E	12	RD	3729549C1
4*	A13F	12	RD	3729549C1
4#	A14RC	10	RD	1661710C1
5	A6B	18	LTGN	1659673C1
5#	A12-GC	18	WH	1659673C1

* MUTUALLY EXCLUSIVE
\& W/ BATTERY FEED
\# SPARE WIRING W/LOAD DISCONNECT

FRONT AXLE REVERSING M1(+) RELAY
(1873Z)
(LOCATED AT INSTRUMENT PANEL CENTER)



CONNECTOR 0593385C1
BODY LOCK 0593387C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A13A	12	PK	1661710C1
2#	A11-GI	18	LTBL	1661228C1
2#	A11-GG	12	LTBL	1661228C1
2#	A12D	18	LTBL	1661709C1
2#	A12DA	18	LTBL	1661709C1
3*	A11-GG	12	LTBL	3729549C1
3*	A11-GH	12	LTBL	3729549C1
3#	A12E	18	DKBL	1659673C1
4	A13E	12	RD	1661710C1
4#	A12DA	18	LTBL	1659673C1
5	A6A	18	LTBL	1659673C1
5#	A9LCA	18	WH	1659673C1

* MUTUALLY EXCLUSIVE
\# SPARE WIRING W/LOAD DISCONNECT

CHK	DATE	CHANGE	REV.	REFERENCE
0638	22JUN15	REVISED AND REDRAWN.	C	92974E

DRAWN: MJV0088 | NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO.: 92218B | DATE: 30JUL13 | PART NO.: AE08058187 | SHEET: 54E

Figure 625 Connector Composites (1873X), (1873Y), (1873Z)

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13.109. CONNECTOR COMPOSITES (1874), (1874A), (1874B), P. 54F

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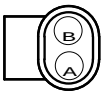
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

WATER IN FUEL SENSOR (W.I.F)
(1874)
(LOCATED AT INSTRUMENT PANEL CENTER)



CONNECTOR 2036583C1

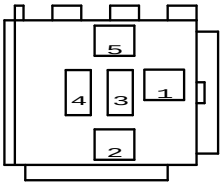
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K111-G	16	TN	2036586C1
B	K111A	18	TN	2036586C1

WIF SENSOR
(1874)
(LOCATED AT INSTRUMENT PANEL CENTER)

CONNECTOR 3590390C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K95W	18	TN	3561584C1	3536867C1
2	K95-GF	18	WH	3561584C1	3536867C1

AIR COMPRESSOR RELAY
(1874)
(LOCATED AT INSTRUMENT PANEL CENTER)



CONNECTOR 0593385C1
BODY LOCK 0593387C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A40C	14	GY	1661709C1
2	A40	18	GY	1659673C1
3	PLUG	-	-	-
4	A40A	14	GY	1661709C1
5	A40-G	18	GY	1659673C1

CUMMINS WIF
(1874A)

CONNECTOR 3850892C1
BODY LOCK 3518184C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K95A	18	TN	1651969C1
2	K95-G	18	WH	1651969C1

W/DURASTAR

WORKSTAR WIF SENSOR
(1874B)
(LOCATED AT INSTRUMENT PANEL CENTER)

CONNECTOR 3602747C1
BODY LOCK 3539784C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K95W	18	TN	1680205C1
2	K95-GF	18	WH	1680205C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	24JAN14	ADDED R/D 1874A.	B	92372W

DRAWN MJV0088
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92218B
DATE 30JUL13
PART NO. AE08058187
SHEET 54F

Figure 626 Connector Composites (1874), (1874A), (1874B)

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13.110. CONNECTOR COMPOSITES (1900), (1901), (1902), (1903), (1910), (1910A), P. 55

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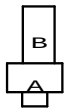
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

WHEEL CHAIR LIFT INTERLOCK DIODE
(1900)
(LOCATED IN INSTRUMENT PANEL
NEAR DCM BREAKOUT)



CONNECTOR 0872291R1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A89CB	18	PL	0879630R1
B	A89CE	18	PL	0879630R1

AUX POWER
(1901)
(LOCATED AT INSTRUMENT PANEL CENTER)

CONNECTOR 1661196C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A*	A86RC	14	LTGN	3566715C1
A*	A86PA	16	LTGN	1661208C1
A#	A86PA	16	LTGN	1661209C1
B*	A86-GRC	14	WH	3566715C1
B*	A86-GBB	16	WH	1661208C1
B#	A86-GBB	16	WH	1661209C1

* MUTUALLY EXCLUSIVE
\# POWER SORCE-CIGAR LIGHTER

QUALCOM POWER
(1902)
(LOCATED IN RIGHT SIDE INSTRUMENT PANEL)

CONNECTOR 1661201C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A3AB(+)	18	DKBL	1661212C1
B	A3AB(-)	18	GY	1661212C1
C	A14AF	18	RD	1661212C1
D	A11-GBF	18	WH	1661212C1
E	A13FG	18	PK	1661212C1
F	A62B	18	DKBL	1661212C1

CONSOLE CIGAR LIGHTER
(1903)
(LOCATED AT CENTER PANEL)

CONNECTOR 3590298C1
BODY LOCK 3557682C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A84	16	LTGN	3534165C1
B	PLUG	-	-	-
C	A84-G	16	WH	3534165C1

XATA MODULE
(1910)/(1910A)
(LOCATED AT RIGHT SIDE BACK OF DOOR)

CONNECTOR 1667305C1
BODY LOCK 1661263C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A14EA	16	RD	1661261C1
B	A11-GBE	16	WH	1661261C1
C*	A3BE(+)	18	DKBL	1661261C1
C*	A5Y(+)	18	YL	1661261C1
D*	A3BE(-)	18	GY	1661261C1
D*	A5Y(-)	18	GN	1661261C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	ADDED CIRC A86PA &	F	92603H
	A86-GBB	TO R/D 1901.		

DRAWN 310615 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V | DATE 09JUN09 | PART NO. AE08058187 | SHEET 055

Figure 627 Connector Composites (1900), (1901), (1902), (1903), (1910), (1910A)

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13.111. CONNECTOR COMPOSITES (1911), (1917), (1918), (1918A), P. 55A

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

XATA
(1911)
(LOCATED AT RIGHT SIDE BACK OF DOOR)

CONNECTOR 0188393R1

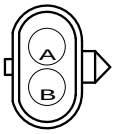
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A14EBA	18	RD	0241117R1

QUALCOMM OMNIVISION REMOTE CTRL
(1917)
(LOCATED AT INSTRUMENT PANEL)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A86RCD	18	LTGN	1661261C1
B	A86-GD2	18	WH	1661261C1

DRIVER SEAT POWER
(1918)
(LOCATED BEHIND DRIVER SEAT ON FLOOR)

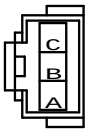


CONNECTOR 0587567C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	A105-GB	16	WH	0587577C1	1652325C1
A#	AD	14	RD	0587577C1	0589391C1
A@	A14B	12	RD	1673748C1	0589391C1
A%	A105GCP	18	WH	0587578C1	3517771C1
B*	A105B	16	LTGN	0587577C1	1652325C1
B#	AH	14	WH	0587577C1	0589391C1
B@	A11-GP	12	WH	1673748C1	0589391C1
B%	A105	18	LTGN	0587578C1	3517771C1

* SEAT-HEATED W/DRVR & PASS
\# SELF CONTAINED AIR SEAT W/DRVR
@ SELF CONTAINED AIR SEAT PASS
% SEAT-HEATED W/DRVR

QUALCOMM OMNIVISION POWER
(1918A)
(LOCATED BEHIND DRIVER SEAT ON FLOOR)



CONNECTOR 1661199C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A14ED	16	RD	1661212C1
B	A13EE	16	DKBL	1661212C1
C	A11-GBE	16	WH	1661212C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	24JAN14	REMOVED R/D 1912.	B	92372W

DRAWN MJV0088
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92218B
DATE 30JUL13
PART NO. AE08058187
SHEET 55A

Figure 628 Connector Composites (1911), (1917), (1918), (1918A)

https://truckmanualshub.com/

13.112. CONNECTOR COMPOSITES (1919A), (1920), (1927), (1929), P. 56

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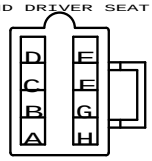
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

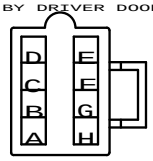
QUALCOMM OMNIVISION ACCESSORY
(1919A)
(LOCATED BEHIND DRIVER SEAT ON FLOOR)



CONNECTOR 2005836C1
BODY LOCK 2006504C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A86RCD	18	LTGN	1661212C1
B	A98F	18	TN	1661212C1
C	A3BD(+)	18	DKBL	1661212C1
D	A3BD(-)	18	GY	1661212C1
E	A86-GND	18	WH	1661212C1
F	A86HA	18	LTGN	1661212C1
G	A86JA	18	LTGN	1661212C1
H	PLUG	-	-	-

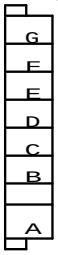
QUALCOMM OMNIVISION ACCESSSORY
(1920)
(LOCATED IN INSTRUMENT
PANEL BY DRIVER DOOR)



CONNECTOR 2005836C1
BODY LOCK 2006504C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A86H	18	LTGN	1661212C1
B	A86J	18	LTGN	1661212C1
C	A86HA	18	LTGN	1661212C1
D	A86JA	18	LTGN	1661212C1
E	A86-GD1	18	WH	1661212C1
F	A86HB	18	LTGN	1661212C1
G	A86JB	18	LTGN	1661212C1
H	PLUG	-	-	-

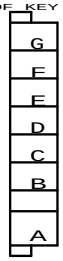
J1708 PRIVATE (+)
(1927)
(LOCATED IN INSTRUMENT PANEL
LEFT OF KEY SWITCH)



CONNECTOR 2006789C1
BODY LOCK 2006792C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A3B(+)	18	DKBL	1661208C1
B	A3D(+)	18	DKBL	1661208C1
C	A3E(+)	18	DKBL	1661208C1
D	A3F(+)	18	DKBL	1661208C1
E	A3C(+)	18	DKBL	1661208C1
F	PLUG	-	-	-
G	PLUG	-	-	-

J1708 PRIVATE (-)
(1929)
(LOCATED IN INSTRUMENT PANEL
LEFT OF KEY SWITCH)



CONNECTOR 2006789C1
BODY LOCK 2006792C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A3B(-)	18	GY	1661208C1
B	A3D(-)	18	GY	1661208C1
C	A3E(-)	18	GY	1661208C1
D	A3F(-)	18	GY	1661208C1
E	A3C(-)	18	GY	1661208C1
F	PLUG	-	-	-
G	PLUG	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE
0610	12NOV13	MVD R/D 1918 AND	D	92218B
	UPDATED	NAME OF R/D 1920.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 056

Figure 629 Connector Composites (1919A), (1920), (1927), (1929)

https://truckmanualshub.com/

13.113. CONNECTOR COMPOSITES (1935), (1936M), (1937N), (1938M), (1939), P. 57

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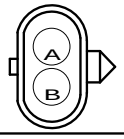
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

HEATED SEAT PASSENGER
(1935)
(LOCATED BEHIND PASSENGER SEAT ON FLOOR)

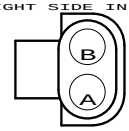


CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	A105-GA	16	WH	0587577C1	1652325C1
A*	A14C	12	RD	1673748C1	0589391C1
B*	A105A	16	LTGN	0587577C1	1652325C1
B*	A11-GR	12	WH	1673748C1	0589391C1

*MUTUALLY EXCLUSIVE

CONNECTOR 0587567C91

OMNIVISION PTO
(1936M)
(LOCATED IN RIGHT SIDE IN INSTRUMENT PANEL)



CONNECTOR 0587568C91

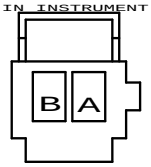
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A59DA	18	GY	0587576C1	1652325C1
B	PLUG	-	-	-	-

QUALCOMM OMNI ACCESSORY
(1937N)
(LOCATED BEHIND DRIVER SEAT ON FLOOR)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A5Y(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	-	-
C	A5Y(-)	18	GN	1661875C1	3568570C1

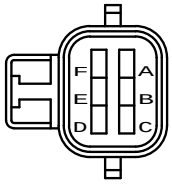
PEOPLENET CONN
(1938M)
(LOCATED IN INSTRUMENT PANEL)



CONNECTOR 3554818C1
BODY LOCK 3554821C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A11-GBF	14	WH	3534167C1
B	A14EA	14	RD	3534167C1

PEOPLENET COMMUNICATIONS
(1939)
(LOCATED IN INSTRUMENT PANEL)



CONNECTOR 2011340C1
BODY LOCK 2011364C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A3BD(+)	18	DKBL	1661875C1	3568570C1
B	A3BD(-)	18	GY	1661875C1	3568570C1
C	A14ED	18	RD	1661875C1	1661872C1
D	A11-GBE	18	WH	1661875C1	3568570C1
E	A13EE	18	PK	1661875C1	3568570C1
F	PLUG	-	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE
0610	12NOV13	ADDED R/D 1936M,1937N,D		92218B
		1938M,1939 AND UPDATED.		

DRAWN	NAME
310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO.	DATE / PART NO. / SHEET
61229V	09JUN09 AE08058187 057

Figure 630 Connector Composites (1935), (1936M), (1937N), (1938M), (1939)

https://truckmanualshub.com/

13.114. CONNECTOR COMPOSITES (1939M), (1941), (1942F), P. 57A

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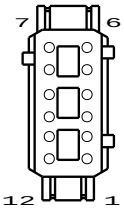
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

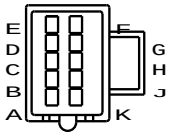
PEOPLENET VID INPUT
(1939M)
(LOCATED IN INSTRUMENT PANEL)



CONNECTOR 3553404C1
BODY LOCK 3553460C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3527276C1
2	PLUG	-	-	3527276C1
3	PLUG	-	-	3527276C1
4	A3BD(+)	18	DKBL	3518963C1
5	A3BD(-)	18	GY	3518963C1
6	PLUG	-	-	3527276C1
7	PLUG	-	-	3527276C1
8	PLUG	-	-	3527276C1
9	PLUG	-	-	3527276C1
10	PLUG	-	-	3527276C1
11	AB5U(-)	18	GN	3518963C1
12	AB5U(+)	18	YL	3518963C1

TSS CONN 2
(1941)
(LOCATED BEHIND CENTRAL
PANEL LEFT SIDE)



CONNECTOR 3540613C1
BODY LOCK 3540615C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A68E	18	BN	1661262C1
B	A68F	18	BN	1661262C1
C	A68TS	16	BN	1661262C1
D	A94T	18	GY	1661262C1
E	A70T	18	RD	1661262C1
F	A56C	18	YL	1661262C1
G	A56TS	16	YL	1661262C1
H	A57C	18	LTGN	1661262C1
J	A57TS	16	LTGN	1661262C1
K	A54TS	16	BN	1661262C1

VS-400 SIDE DISPLAY
(1942F)
(LOCATED IN RIGHT SIDE
'A' PILLAR)

CONNECTOR 3673259C1
BODY LOCK 3503599C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A67C	18	GY	3572626C1
2	A67D	18	GY	3572626C1
3	A67B	18	GY	3572626C1
4	A57AC	16	OR	3572626C1

CHK	DATE	CHANGE	REV.	REFERENCE	DRAWN	NAME
MJV04	16MAR16	REVISED AND REDRAWN.	D	93408J	23069371	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 74736R	DATE 03DEC10
					PART NO. AE08058187	SHEET 57A

Figure 631 Connector Composites (1939M), (1941), (1942F)

https://truckmanualshub.com/

13.115. CONNECTOR COMPOSITES (1943M), (1946), (1947), P. 57B

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ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

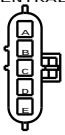
VS-400 DRIVER DISPLAY
(1943M)
(LOCATED IN INSTRUMENT PANEL
RIGHT SIDE)

CONNECTOR 3673332C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2	-	-	-	-
3	-	-	-	-
4	A67AC	18	PK	3673333C1
5	A67-GB	18	WH	3673333C1
6*	A5RM(-)	18	GN	3673333C1
6*	A5J(-)	18	GN	3673332C1
6*	A5CA(-)	18	GN	3673333C1
6*	A5E(-)	18	GN	3673333C1
7*	A5RM(+)	18	YL	3673333C1
7	A5J(+)	18	YL	3673332C1
7*	A5CA(+)	18	YL	3673333C1
7*	A5E(+)	18	YL	3673333C1
8	-	-	-	-

* MUTUALLY EXCLUSIVE

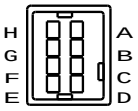
TSS CONN 1
(1946)
(LOCATED BEHIND CENTRAL PANEL LEFT SIDE)



CONNECTOR 1677851C1
BODY LOCK 1677914C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A94P	16	GY	2033911C1	1652325C1
B	A70TS	14	RD	2033912C1	1652325C1
C	A55A	12	OR	2033912C1	0589391C1
D	A14T	10	RD	1687848C1	0589390C1
E	A11-TSS	10	WH	1687848C1	0589390C1

TSS CONN.3
(1947)
(LOCATED BEHIND CENTRAL PANEL LEFT SIDE)



CONNECTOR 3515763C1
BODY LOCK 3515765C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	-	-	-	-
B	-	-	-	-
C	-	-	-	-
D	-	-	-	-
E	A54ST	18	BN	1661262C1
F	A54SL	18	BN	1661262C1
G	A54SV	18	BN	1661262C1
H	A54SA	18	BN	1661262C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	09SEP15	ADDED CIRC AT CAV 6	J	93248U	23069371	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	AND 7 IN R/D 1943M.				RELEASE NO. 74736R	DATE 09FEB11

PART NO. AE08058187 SHEET 57B

Figure 632 Connector Composites (1943M), (1946), (1947)

https://truckmanualshub.com/

13.116. CONNECTOR COMPOSITES (1948), (1949), (1956), (1957), P. 57C

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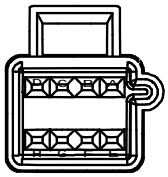
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

DFM CONN 1
(1948)
(LOCATED NEAR LUGGAGE COMPARTMENT)

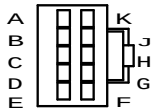


CONNECTOR 3745398C1
BODY LOCK 3745399C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A56BC	16	OR	1661261C1
B	A56	16	OR	1661261C1
C	A56L	16	YL	1661261C1
D	A55A	18	OR	1661261C1
E	A55B	18	OR	1661261C1
F	A57R	16	LTGN	1661261C1
G	A57	16	OR	1661261C1
H	A57BC	16	OR	1661261C1

W/ DIAGNOSTIC FLASHER MODULE

DFM CONN 2
(1949)
(LOCATED NEAR LUGGAGE COMPARTMENT)

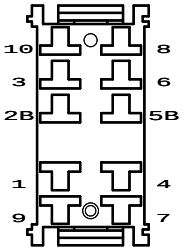


CONNECTOR 3540612C1
BODY LOCK 3540614C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A56A	18	OR	1661261C1
B	PLUG	-	-	-
C	PLUG	-	-	-
D	PLUG	-	-	-
E	A11-GC	16	WH	1661261C1
F	A14T1	16	RD	1661261C1
G	A14T2	16	RD	1661261C1
H	A13DFM	18	PK	1661261C1
J	PLUG	-	-	-
K	A57A	18	OR	1661261C1

W/ DIAGNOSTIC FLASHER MODULE

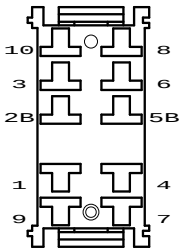
TSS LEARN (1956)
(LOCATED BEHIND CENTRAL PANEL TSS SWITCH PACK)



CONNECTOR 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	-
2B	A54-GL	18	WH	1661224C1
3	A54SL	18	BN	1661224C1
4	PLUG	-	-	-
5B	PLUG	-	-	-
6	PLUG	-	-	-
7	PLUG	-	-	-
8	A62TL	18	DKBL	1661224C1
9	PLUG	-	-	-
10	PLUG	-	-	-

TSS TRAILER (1957)
(LOCATED BEHIND CENTRAL PANEL TSS SWITCH PACK)



CONNECTOR 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	-
2B	A54-GT	18	WH	1661224C1
3	A54ST	18	BN	1661224C1
4	PLUG	-	-	-
5B	PLUG	-	-	-
6	PLUG	-	-	-
7	PLUG	-	-	-
8	A62TT	18	DKBL	1661224C1
9	PLUG	-	-	-
10	PLUG	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE
0610	12NOV13	ADDED R/D 1948,1949	B	92218B
	,1956 AND 1957.			

DRAWN U021653 — NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 82436B — DATE 03NOV11 — PART NO. AE08058187 — SHEET 57C

Figure 633 Connector Composites (1948), (1949), (1956), (1957)

https://truckmanualshub.com/

13.117. CONNECTOR COMPOSITES (1958), (1959), (1961), (1962), P. 57D

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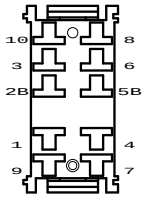
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

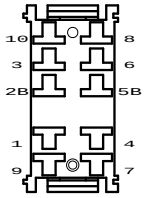
TSS 24V/12V
(1958)
(LOCATED BEHIND CENTRAL
PANEL TSS SWITCH PACK)



CONNECTOR 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	-
2B	A54-GV	18	WH	1661224C1
3	A54SV	18	BN	1661224C1
4	PLUG	-	-	-
5B	PLUG	-	-	-
6	PLUG	-	-	-
7	PLUG	-	-	-
8	A62TV	18	DKBL	1661224C1
9	PLUG	-	-	-
10	PLUG	-	-	-

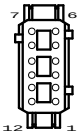
TSS ALARM (1959)
(LOCATED BEHIND CENTRAL PANEL TSS SWITCH PACK)



CONNECTOR 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	-
2B	A54-GA	18	WH	1661224C1
3	A54SA	18	BN	1661224C1
4	PLUG	-	-	-
5B	PLUG	-	-	-
6	PLUG	-	-	-
7	PLUG	-	-	-
8	A62TA	18	DKBL	1661224C1
9	PLUG	-	-	-
10	PLUG	-	-	-

DATA LINK TRANSLATOR
(1961)
(LOCATED IN CAB)

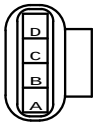


CONNECTOR 3586750C1
BODY LOCK 3553460C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A98M	18	BK	3518963C1
2	PLUG	-	-	-
3	PLUG	-	-	-
4	PLUG	-	-	-
5	PLUG	-	-	-
6*	A5MA(+)	18	YL	3518963C1
6*	A5M(+)	18	YL	3518963C1
7*	A5MA(-)	18	GN	3518963C1
7*	A5M(-)	18	GN	3518963C1
8	A3M(+)	18	LTBL	3518963C1
9	A3M(-)	18	GY	3518963C1
10	A98-GB	18	WH	3518963C1
11	PLUG	-	-	-
12	A98-GC	18	WH	3518963C1

* MUTUALLY EXCLUSIVE

WIF CONNECTOR
(1962)
(LOCATED IN CAB)



CONNECTOR 2036585C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A111C	18	PK	2036586C1
B	A111B	18	TN	2036586C1
C	PLUG	-	-	-
D	A111A	18	TN	2036586C1

CHK	DATE	CHANGE	REV	REFERENCE
0610	12NOV13	INITIAL RELEASE.	A	92218B

DRAWN MJV0088
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92218B
DATE 30JUL13
PART NO. AE08058187
SHEET 57D

Figure 634 Connector Composites (1958), (1959), (1961), (1962)

https://truckmanualshub.com/

13.118. CONNECTOR COMPOSITES (1964), P. 57E

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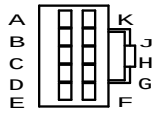
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

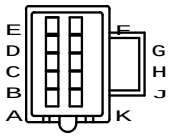
IP/ROOF/ANTI-THEFT (1964)
(LOCATED IN INSTRUMENT PANEL BY DRIVER DOOR)



CONNECTOR 3540612C1
BODY LOCK 3540614C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	D45A	18	LT GN	1661261C1
B	D45B	18	LT GN	1661261C1
C	D13D	18	PK	1661261C1
D	D45C	18	LT GN	1661261C1
E	D5A(+)	18	YL	1661261C1
F	D5(-)	18	GN	1661261C1
G	D45D	18	LT GN	1661261C1
H	D13C	18	PK	1661261C1
J	D11-GC	18	WH	1661261C1
K	D14B	18	RD	1661261C1

ROOF / TACHOGRAPH
(1964)
(LOCATED IN INSTRUMENT
PANEL BY DRIVER DOOR)



CONNECTOR 3540613C1
BODY LOCK 3540614C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A45A	18	LTGN	1661262C1
B	A45B	18	LTGN	1661262C1
C	A13D	18	PK	1661262C1
D	A45C	18	LTGN	1661262C1
E	A5A(+)	18	YL	1661262C1
F	A5A(-)	18	GN	1661262C1
G	A45D	18	WH	1661262C1
H	A13C	18	PK	1661262C1
J	A11-GC	18	WH	1661262C1
K	A14B	18	RD	1661262C1

CHK	DATE	CHANGE	REV.	REFERENCE
0610	12NOV13	INITIAL RELEASE.	A	92218B

DRAWN: MJV0088
NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO.: 92218B
DATE: 30JUL13
PART NO.: AE08058187
SHEET: 57E

Figure 635 Connector Composites (1964)

https://truckmanualshub.com/

13.119. CONNECTOR COMPOSITES (1965), (1965F), (1971), (1981), P. 57F

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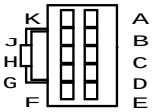
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

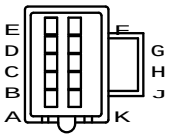
ROOF / TACHOGRAPH
(1965)
(LOCATED IN INSTRUMENT PANEL BY DRIVER DOOR)



CONNECTOR 3540612C1
BODY LOCK 3540614C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A47TA	18	GY	1661261C1
B	A47TB	18	GY	1661261C1
C	A47TC	18	GY	1661261C1
D	A47TD	18	GY	1661261C1
E	A14A	18	RD	1661261C1
F	A62C	18	DKBL	1661261C1
G	A13B	18	PK	1661261C1
H	A93	18	TN	1661261C1
J	PLUG	-	-	-
K	A11-GB	18	WH	1661261C1

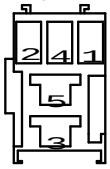
IP/ROOF/TACHOGRAPH
(1965F)
(LOCATED IN INSTRUMENT PANEL BY DRIVER DOOR)



CONNECTOR 3540613C1
BODY LOCK 3540615C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	D47TA	18	GY	1661262C1
B	D47TB	18	GY	1661262C1
C	D47TC	18	GY	1661262C1
D	D47TD	18	GY	1661262C1
E	D14A	18	RD	1661262C1
F	D62C	18	DK BL	1661262C1
G	PLUG	-	-	1661262C1
H	D93	18	TN	1661262C1
J	PLUG	-	-	1661262C1
K	D11-GB	18	WH	1661262C1

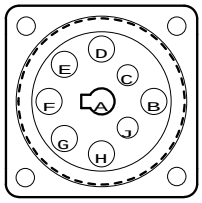
BRAZIL IGN RELAY
(1971)
(LOCATED IN INSTRUMENT PANEL NEAR DCM BREKOUT)



CONNECTOR 2028683C1
BODY LOCK 2028684C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A45A	18	LTGN	2025418C1
2	A45-GC	18	LTGN	2025418C1
3	A13D	18	PK	1659673C1
4	A97UB	18	PK	2025418C1
5	PLUG	-	-	-

IVIS DATA LINK CONN
(1981)
(LOCATED IN CAB)



CONNECTOR 3544066C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A11-GFE	14	WH	1659750C1
B	A14FDT	14	RD	1659750C1
C	A5FD(+)	18	YL	3519069C1
D	A5FD(-)	18	GN	3519069C1
E	PLUG	-	-	-
F	A3FD(+)	18	DKBL	3519069C1
G	A3FD(-)	18	GY	3519069C1
H	PLUG	-	-	-
J	PLUG	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE
0610	12NOV13	INITIAL RELEASE.	A	92218B

DRAWN MJV0088
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92218B
DATE 30JUL13
PART NO. AE08058187
SHEET 57F

Figure 636 Connector Composites (1965), (1965F), (1971), (1981)

https://truckmanualshub.com/

13.120. CONNECTOR COMPOSITES (2000), P. 57G

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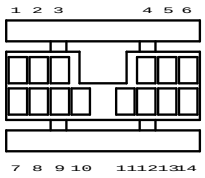
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ROOF / IP CONNECTION
(2000)
(LOCATED IN INSTRUMENT PANEL LEFT SIDE)



CONNECTOR 3544690C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	A86CA	20	LTGN	3544692C1
1*	A86J	20	LTGN	3544692C1
1	A86CA	20	LTGN	3544692C1
2	A63-GA	16	WH	3544694C1
3	A63DF	18	DKBL	3544692C1
4*	A86EA	20	LTGN	3544692C1
4*	A86L	20	LTGN	3544692C1
4	A86EA	20	LTGN	3544692C1
5*	A86DA	20	LTGN	3544692C1
5*	A86K	20	LTGN	3544692C1
6*	A63DA	18	DKBL	3544692C1
6*	A63DA	20	LTGN	3544692C1
6*	A63A	18	DKBL	3544692C1
7	-	-	-	-
8	-	-	-	-
9	A58T	18	BN	3544692C1
10	A63	18	DKBL	3544692C1
11	A11-GF	16	WH	3544694C1
12	A86F	18	LTGN	3544692C1
13*	A86BA	20	LTGN	3544692C1
13*	A86H	20	LTGN	3544692C1
14	A9L	18	GY	3544692C1
14	A9L	18	WH	3544692C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV.	REFERENCE
0638	22JUN15	ADDED CIRC A86CA,	D	92974E
		A86EA AND A9L IN R/D 2000.		

DRAWN: MJV0088 | NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO.: 92218B | DATE: 30JUL13 | PART NO.: AE08058187 | SHEET: 57G

Figure 637 Connector Composites (2000)

https://truckmanualshub.com/

13.121. CONNECTOR COMPOSITES (2021), (2200), (2201), (2202), (2203), (2223), P. 58

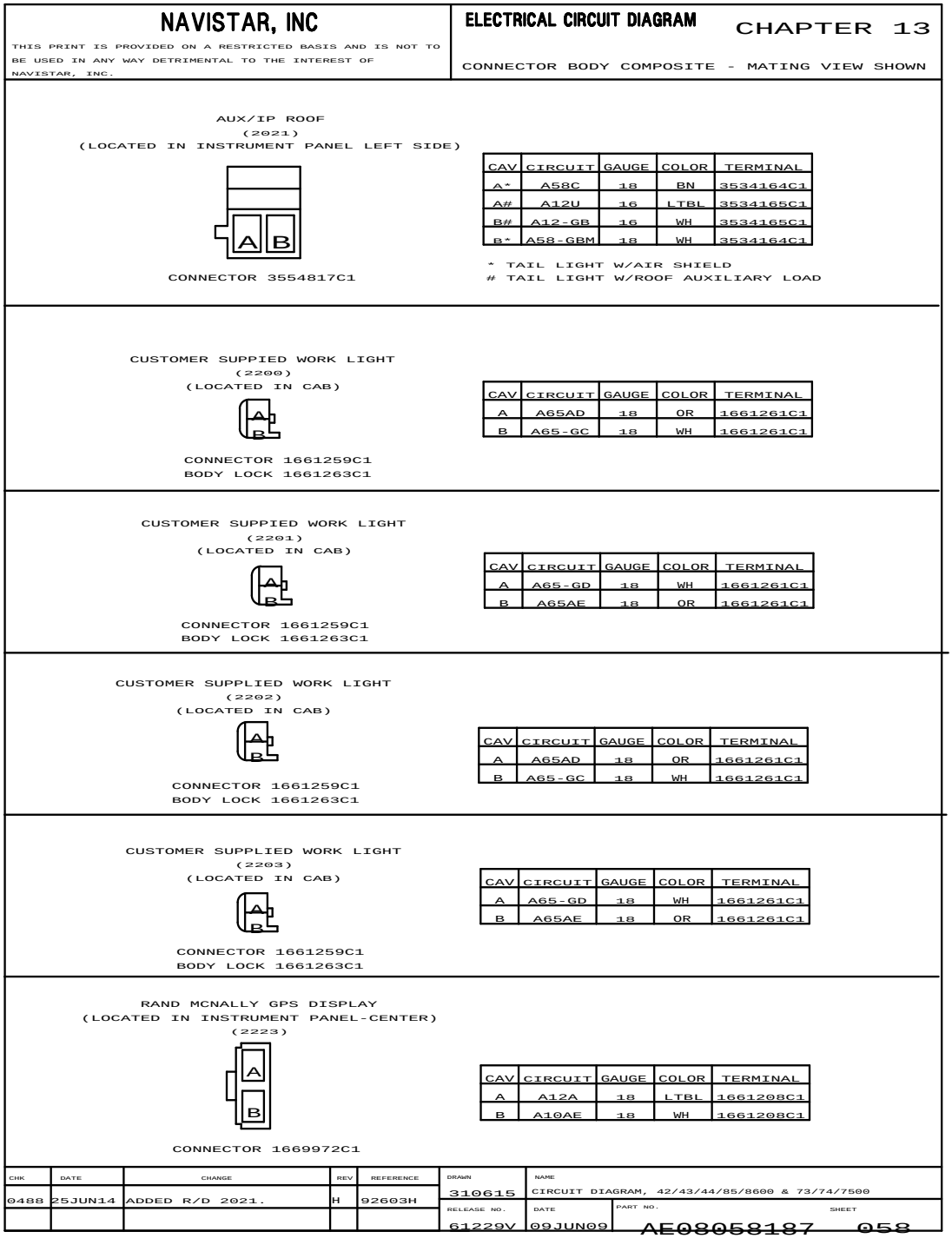


Figure 638 Connector Composites (2021), (2200), (2201), (2202), (2203), (2223)

https://truckmanualshub.com/

13.122. CONNECTOR COMPOSITES (2224), (2225), (2501), (2502), P. 58A

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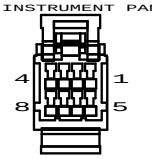
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

POWER DISPLAY
(2224)
(LOCATED IN INSTRUMENT PANEL CENTER)



CONNECTOR 3833917C1

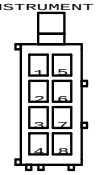
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A14A	20	PK	3535805C1
2	A10AA	20	WH	3535805C1
3	A12SE	20	LTBL	3535805C1
4	PLUG	-	-	-
5	A10AB	20	WH	3535805C1
6	A86B(+)	20	YL	3535805C1
7	A86B(-)	20	LTGN	3535805C1
8	PLUG	-	-	-

I/O MIC DISPLAY
(2225)
(LOCATED IN INSTRUMENT PANEL CENTER)

CONNECTOR 3834322C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A9ZH	20	WH	3867325C1
2	PLUG	-	-	-
3	PLUG	-	-	-
4	PLUG	-	-	-
5	PLUG	-	-	-
6	PLUG	-	-	-
7	PLUG	-	-	-
8	A5C(+)	20	YL	3867325C1
9	PLUG	-	-	-
10	A10AC	20	WH	3867325C1
11	A86GA	20	LTGN	3867325C1
12	A86GB	20	LTGN	3867325C1
13	A86GC	20	LTGN	3867325C1
14	A86GD	20	LTGN	3867325C1
15	A10AD	20	LTGN	3867325C1
16	A5C(-)	20	LTGN	3867325C1

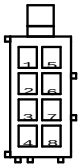
TACHOGRAPH CONN 1
(2501)
(LOCATED IN INSTRUMENT PANEL LEFT SIDE)



CONNECTOR 3719275C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	D14A	18	RD	3548971C1
2	D62C	18	DK BL	3548971C1
3	PLUG	-	-	3548971C1
4	PLUG	-	-	3548971C1
5	D11-GBA	18	WH	3548971C1
6	D11-GBB	18	WH	3548971C1
7	PLUG	-	-	3548971C1
8	PLUG	-	-	3548971C1

TACHOGRAPH CONN 2 (2502)
(LOCATED IN INSTRUMENT PANEL LEFT SIDE)



CONNECTOR 3719276C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	D47TA	18	GY	3548971C1
2	D47TB	18	GY	3548971C1
3	D477TC	18	GY	3548971C1
4	D47TD	18	GY	3548971C1
5	PLUG	-	-	3548971C1
6	PLUG	-	-	3548971C1
7	PLUG	-	-	3548971C1
8	PLUG	-	-	3548971C1

CHK	DATE	CHANGE	REV	REFERENCE
0610	12NOV13	ADDED R/D 2224,2225,	B	92218B
		2501 & 2502.		

DRAWN U021653 — NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 91776J — DATE 30NOV12 — PART NO. AE08058187 — SHEET 58A

Figure 639 Connector Composites (2224), (2225), (2501), (2502)

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13.123. CONNECTOR COMPOSITES (2503), (2505), (2600), (2701), (2702), P. 58B

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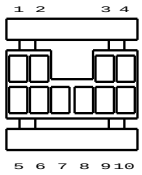
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

PREM ROOF
(2503)
(LOCATED IN INSTRUMENT PANEL LEFT SIDE)

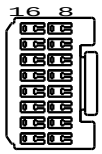


CONNECTOR 3544688C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	-
2	PLUG	-	-	-
3	PLUG	-	-	-
4	PLUG	-	-	-
5	PLUG	-	-	-
6*	A86L	20	LTGN	3544692C1
6#	A86L	18	LTGN	3544692C1
7*	A86JB	18	LTGN	3544692C1
7#	A86J	20	LTGN	3544692C1
8*	A86HB	18	LTGN	3544692C1
8#	A86H	20	LTGN	3544692C1
9*	A86K	20	LTGN	3544692C1
9#	A86K	18	LTGN	3544692C1
10	PLUG	-	-	-

* SPEAKER & RADIO 12WAY W/PREM TRIM
\# QUALCOM OMNIVISION

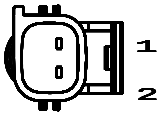
ANTI-THEFT CONN (2701)
(LOCATED INSIDE CAB)



CONNECTOR 3663001C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	D14B	18	RD	3577376C1
2	PLUG	-	-	3577376C1
3	D13C	18	PK	3577376C1
4	PLUG	-	-	3577376C1
5	PLUG	-	-	3577376C1
6	PLUG	-	-	3577376C1
7	PLUG	-	-	3577376C1
8	D5A(+)	18	YL	3577376C1
9	D11-GCA	18	WH	3577376C1
10	D45C	18	LT GN	3577376C1
11	D13D	18	PK	3577376C1
12	D45A	18	LT GN	3577376C1
13	D45E	18	LT GN	3577376C1
14	D45B	18	LT GN	3577376C1
15	D45D	18	LT GN	3577376C1
16	D5(-)	18	GN	3577376C1

PREM ROOF
(2505)
(LOCATED IN INSTRUMENT PANEL LEFT SIDE)



CONNECTOR 3811207C1

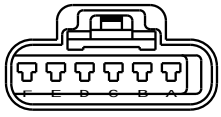
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	A86A(-)	20	LTGN	3834457C1	3665870C1
2	A86A(+)	20	LTGN	3834457C1	3665870C1

BUZZER CONN (2702)
(LOCATED INSIDE CAB)

CONNECTOR 1661259C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	D11-GCB	18	WH	1661261C1
B	D45E	18	LT GN	1661261C1

ROOF / IP CREW ROOF (2600)
(LOCATED IN INSTRUMENT PANEL LEFT SIDE)



CONNECTOR 3550639C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A81C	12	LTGN	3544877C1
B	A3F(+)	18	DKBL	3544876C1
C	A81D	12	LTGN	3544877C1
D	A81-GB	12	WH	3544877C1
E	A3F(-)	18	GY	3544876C1
F	A81-GC	12	WH	3544877C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0610	12NOV13	INITIAL RELEASE.	A	92218B	MJV0088	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92218B	DATE 30JUL13
					PART NO. AE08058187	SHEET 58B

Figure 640 Connector Composites (2503), (2505), (2600), (2701), (2702)

https://truckmanualshub.com/

13.124. CONNECTOR COMPOSITES (3000), (3001), (3002M), (3003), (3004), P. 59

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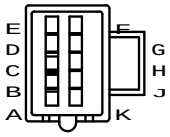
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

DOOR / IP INTERCONNECT
(3000)
(LOCATED IN INSTRUMENT PANEL
BY DRIVER DOOR)



CONNECTOR 3540613C1

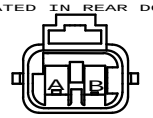
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	E78A	18	LT GN	1661262C1
B	E78-G	18	WH	1661262C1
C	E62AT	18	DK BL	1661262C1
D	E78F	16	LT GN	1661262C1
E	E78P	20	LT GN	3534481C1
F	E78U	18	LT GN	1661262C1
G	E78W	20	LT GN	3534481C1
H	E78Y	20	LT GN	3534481C1
J	E78AA	20	LT GN	3534481C1
K	E78AC	20	LT GN	3534481C1

HEATED WINDSHIELD LEFT SIDE
(3001)
(LOCATED IN INSTRUMENT PANEL
BY DRIVER DOOR)

CONNECTOR 0899167R1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A78C	14	BK	0188396R1

WINDOW MOTOR DOOR POD
(3002M)
(LOCATED IN REAR DOOR)

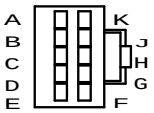


CONNECTOR 3534424C1
BODY LOCK 3534425C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	T83C	12	LTGN	2039344C1
B	T83F	12	LTGN	2039344C1

W/DURASTAR

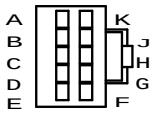
IP / DOOR INTERCONNECT
(3000)
(LOCATED IN INSTRUMENT PANEL
BY DRIVER DOOR)



CONNECTOR 3540612C1
BODY LOCK 3540614C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A78D	18	LTGN	1661261C1
B	A78E	18	LTGN	1661261C1
C	A78F	18	LTGN	1661261C1
D*	A78AB	16	LTGN	1661261C1
D#	A78A	16	LTGN	1661261C1
E&	A62DD	18	DKBL	1661261C1
E%	A62BD	18	DKBL	1661261C1
F	A58DA	18	BN	1661261C1
G	A78V	18	LTGN	1661261C1
H	A78-GCE	16	WH	1661261C1
J	A41D	18	TN	1661261C1
**J	A97ST	18	GY	1661261C1
K	A41E	18	TN	1661261C1
**K	A10S	18	GY	1661261C1

PASS DOOR
(3003)
(LOCATED IN INSTRUMENT PANEL
BY PASSENGER DOOR)



CONNECTOR 3540612C1
BODY LOCK 3540614C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A78D	18	LTGN	1661261C1
B	A78E	18	LTGN	1661261C1
C	A78F	18	LTGN	1661261C1
D*	A78BB	16	LTGN	1661261C1
D*	A78B	16	LTGN	1661261C1
E	-	-	-	-
F	A58DB	18	BN	1661261C1
G	-	-	-	-
H	A78-GCF	16	WH	1661261C1
J	A57D	18	OR	1661261C1
K	-	-	-	-

* MUTUALLY EXCLUSIVE

HEATED WINDSHIELD RIGHT SIDE
(3004)
(LOCATED IN INSTRUMENT PANEL
BY PASSENGER DOOR)

CONNECTOR 0899167R1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A78B	14	BK	0188396R1

* DUAL HTD MIR, PWR W/HOOD W/WSHLD
\# PWR MIRRORS-HTD W/MOTORIZED W/TURN SIGNAL
& ADAPTER-PANEL LT -BUS BAR
% ADAPTER-PANEL LT MOTORIZED MIRRORS
** BASE WIRING W/AAT SENSOR

CHK	DATE	CHANGE	REV	REFERENCE
0488	24MAR15	ADDED R/D 3000	F	92927M
		(3540613C1).		

DRAWN	NAME
310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V	DATE 09JUN09
PART NO. AE08058187	SHEET 059

Figure 641 Connector Composites (3000), (3001), (3002M), (3003), (3004)

https://truckmanualshub.com/

13.125. CONNECTOR COMPOSITES (3005), (3100M), (3200), (3200F), P. 59A

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

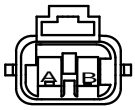
CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

HEATED WINDSHIELD GROUND
(3005)
(LOCATED IN CAB)

CONNECTOR 0899167R1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A78-G	12	BK	1660577C1

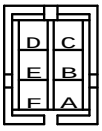
WINDOW MOTOR
(3100M)
(LOCATED IN DRIVER DOOR AND PASSENGER DOOR)



CONNECTOR 3534424C1
BODY LOCK 3534425C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	E83A	14	LTGN	3535486C1
B	E83E	14	LTGN	3535486C1

DOOR / IP CONN
(3200)
(LOCATED IN INSTRUMENT PANEL
BY DRIVER DOOR)

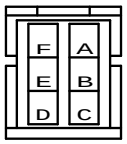


CONNECTOR 1661200C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A3D(+)	18	DKBL	1661208C1
B	A3D(-)	18	GY	1661208C1
C	A81B	12	LTGN	3566715C1
D*	A81-GA	12	WH	3566715C1
D*	A81-GH	12	WH	3566715C1
E	A63-GDW	18	WH	1661208C1
F	A63DB	18	DKBL	1661208C1

* MUTUALLY EXCLUSIVE

DOOR/ IP DOOR POD
(3200F)
(LOCATED IN DRIVER DOOR AND PASSENGER DOOR)



CONNECTOR 1661201C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	E3W(+)	18	DKBL	1661212C1
B	E3X(-)	18	GY	1661212C1
C	E81B	12	LTGN	3534167C1
D	E81-GA	12	WH	3534167C1
E	E63-G	18	WH	1661212C1
F	E63BB	18	DKBL	1661212C1

W/DURASTAR

DOOR/ ROOF DOOR POD
(3200F)
(LOCATED IN DRIVER DOOR AND PASSENGER DOOR)

CONNECTOR 1661260C1
BODY LOCK 1661264C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	E63BB	18	DKBL	1661262C1
B	E63-G	18	WH	1661262C1

W/DURASTAR

CHK	DATE	CHANGE	REV	REFERENCE
-	-	ADDED R/D 3100M,3200F;B		92372W
		RMVD R/D 3204,3205M & 3206.		

DRAWN	NAME
MJV0088	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO.	DATE / PART NO. / SHEET
92218B	30JUL13 AE08058187 59A

Figure 642 Connector Composites (3005), (3100M), (3200), (3200F)

https://truckmanualshub.com/

13.126. CONNECTOR COMPOSITES (3201F), (3201M), (3202M), (3203M), (3204), P. 59B

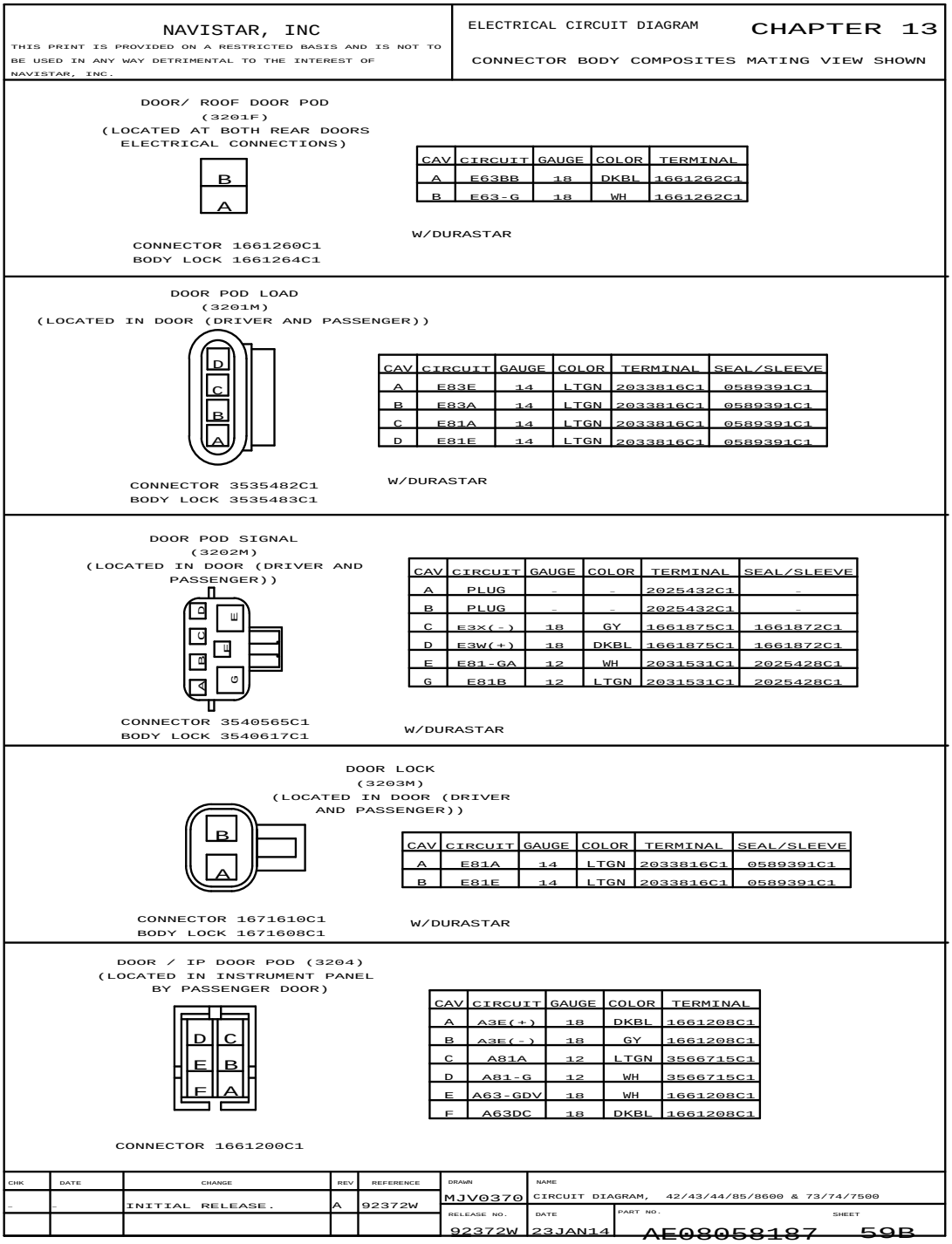


Figure 643 Connector Composites (3201F), (3201M), (3202M), (3203M), (3204)

https://truckmanualshub.com/

13.127. CONNECTOR COMPOSITES (3205), (3205M), (3206), (3208F), (3209M), (3210M), P. 59C

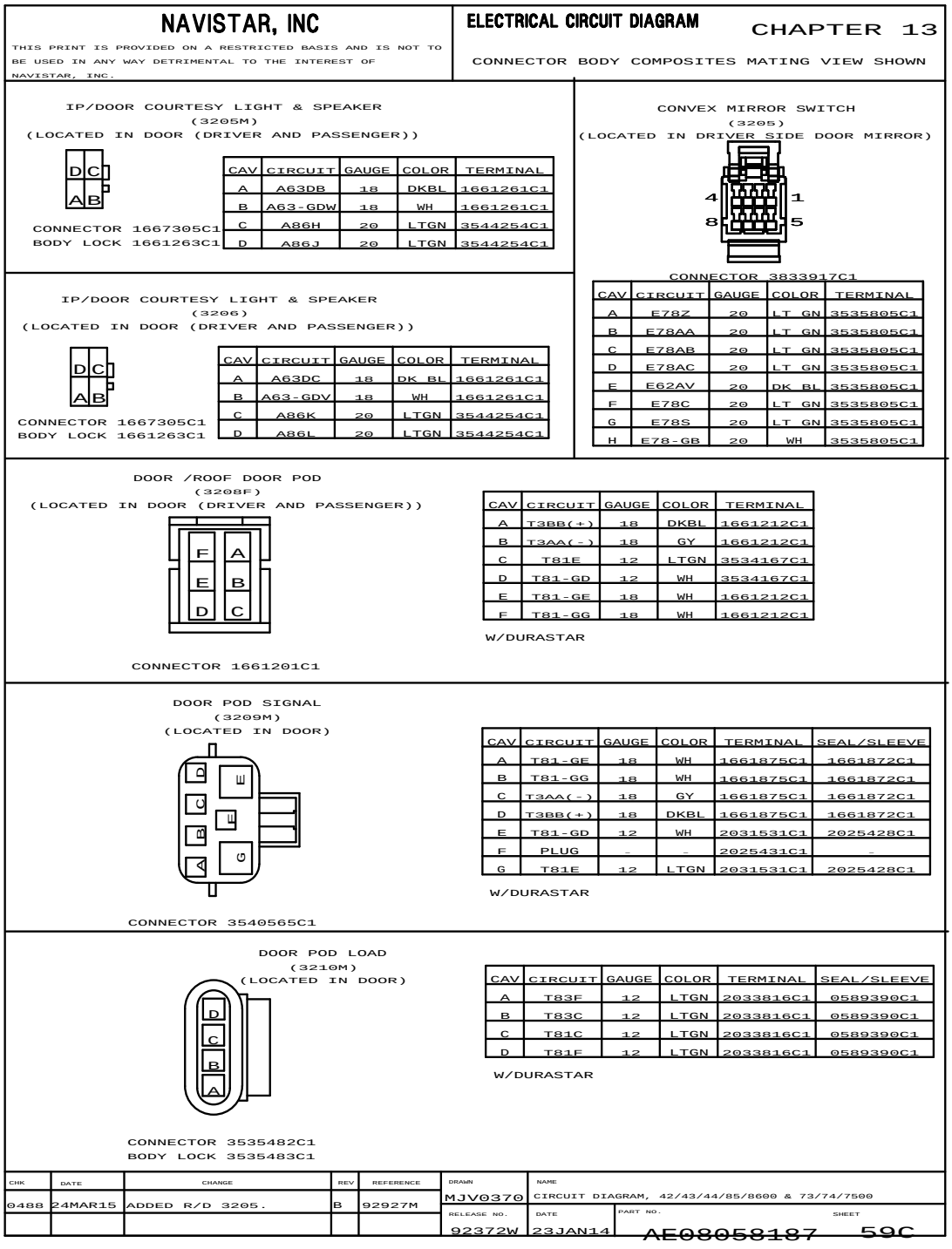


Figure 644 Connector Composites (3205), (3205M), (3206), (3208F), (3209M), (3210M)

https://truckmanualshub.com/

13.128. CONNECTOR COMPOSITES (3211M), (3400), (4004), (4005), (4021), (4021A), (4021B), P. 60

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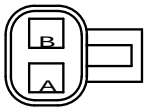
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

DOOR LOCK DOOR POD
(3211M)
(LOCATED IN DOOR)



CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	T81C	12	LTGN	2033816C1	0589390C1
B	T81F	12	LTGN	2033816C1	0589390C1

W/ DURASTAR

COURTSEY LIGHT
(3400)
(LOCATED IN DOOR(DRIVER AND PASSENGER)

CONNECTOR 1661259C1
BODY LOCK 1661263C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	E63BB	18	DKBL	1661261C1
B	E63-G	18	WH	1661261C1

W/ DURASTAR

MAXI FUSE HOLDER
(4004)
(LOCATED IN CAB)

CONNECTOR 3525613C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	M14L	10	RD	3515522C1	3515525C1
A*	M14WB	12	RD	3614762C1	3541256C1
B*	M103C	12	LTGN	3614762C1	3541256C1
B*	M14WB	12	RD	3614762C1	3541256C1

* MUTUALLY EXCLUSIVE

TSS POWER FUSE HOLDER
(4005)
(LOCATED IN CAB)

CONNECTOR 3525613C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M14L	10	RD	3515522C1	3515525C1
B	M14T	10	RD	3515522C1	3515525C1

WASHER PUMP
(4021)
(LOCATED ON FRONT SIDE OF WASHER BOTTLE ON LEFT FRAME RAIL)

CONNECTOR 3536864C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	M87KA	16	GY	3561584C1	3536868C1
2	M87BA	18	GY	3561584C1	3536868C1

WASHER PUMP (4300 4X2)/
WASHER BOTTLE PUMP, RIGHT SIDE
(4021A)
(LOCATED ON FRONT SIDE OF WASHER BOTTLE ON LEFT FRAME RAIL)

CONNECTOR 3536864C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1#	M87KA	16	GY	3561584C1	3536868C1
1*	M87KA	16	GY	3536865C1	3536868C1
2#	M87BA	18	GY	3561584C1	3536868C1
2*	M87BA	18	GY	3536865C1	3536868C1

* W/ CUMMINS ISB ENGINE AND W/I6 2010 SCR ENGINE
# W/ IBB ENGINE

WASHER BOTTLE PUMP, LEFT SIDE/WASHER PUMP
(4021B)
(LOCATED ON FRONT SIDE OF WASHER BOTTLE ON LEFT FRAME RAIL)

CONNECTOR 3536864C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	M87KA	16	GY	3561584C1	3536868C1
2	M87BA	18	GY	3561584C1	3536868C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	UPDATED R/D NAME	E	92603H
	4021A, 4021B.			

DRAWN	NAME
310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO.	DATE / PART NO. / SHEET
61229V	09JUN09 AE08058187 060

Figure 645 Connector Composites (3211M), (3400), (4004), (4005), (4021), (4021A), (4021B)

https://truckmanualshub.com/

13.129. CONNECTOR COMPOSITES (4022), (4022A), (4022B), (4031), (4032), P. 60A

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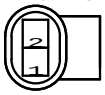
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

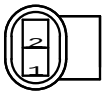
WASHER FLUID LEVEL SENSOR
(4022)
(LOCATED ON OUTBOARD SIDE OF WASHER BOTTLE ON LEFT FRAME RAIL. 4X4 4300 ONLY LOCATED ON RIGHT SIDE FRAME RAIL)



CONNECTOR 3554317C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	M87C	18	GY	3554322C1	3554318C1
2	M9BB	18	GY	3554322C1	3554318C1

WASHER FLUID LEVEL SENSOR (4300 4X2)/
WASHER BOTTLE PUMP/FLUID LEVEL, RIGHT SIDE
(4022A)
(LOCATED ON OUTBOARD SIDE OF WASHER BOTTLE ON LEFT FRAME RAIL. 4X4 4300 ONLY LOCATED ON RIGHT SIDE FRAME RAIL)

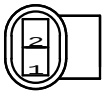


CONNECTOR 3554317C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1#	M87C	18	GY	3554322C1	3554318C1
1*	M87C	18	GY	3561584C1	3536868C1
2#	M9BB	18	GY	3554322C1	3554318C1
2*	M9BB	18	GY	3561584C1	3536868C1

* W/ CUMMINS ISB ENGINE
\# W/ IBB ENGINE AND W/I6 2010 SCR ENGINE.

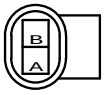
WASHER FLUID LEVEL SENSOR/
WASHER BOTTLE PUMP/FLUID LEVEL, LEFT SIDE
(4022B)
(LOCATED ON OUTBOARD SIDE OF WASHER BOTTLE ON LEFT FRAME RAIL. 4X4 4300 ONLY LOCATED ON RIGHT SIDE FRAME RAIL)



CONNECTOR 3554317C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	M87C	18	GY	3554322C1	3554318C1
2	M9BB	18	GY	3554322C1	3554318C1

FLOW SWITCH
(4031)
(LOCATED ON HYDROMAX UNIT ON LEFT SIDE OF DASH)



CONNECTOR 2036584C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A90CA	16	GY	2036586C1
B	A90-G	16	WH	2036586C1

DIFF PRESSURE SWITCH
(4032)
(LOCATED ON HYDROMAX UNIT ON LEFT SIDE OF DASH)

CONNECTOR 3518873C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	[A90C]	16	GY	ASSY
B	[A90B]	16	GY	ASSY

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	25JUN14	UPDATED R/D NAME	C	92603H	MJV0088	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	4022A, 4022B.				RELEASE NO. 92218B	DATE 30JUL13 / PART NO. AE08058187 / SHEET 60A

Figure 646 Connector Composites (4022), (4022A), (4022B), (4031), (4032)

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13.130. CONNECTOR COMPOSITES (4033), (4037), (4038), P. 60B

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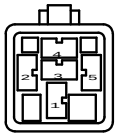
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

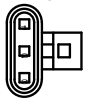
BOOST PUMP RELAY
(4033)
(LOCATED ON HYDROMAX
UNIT ON LEFT SIDE OF DASH)



CONNECTOR 1661747C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A14	12	RD	1661708C1
2	A90A	16	GY	3895713C1
3	PLUG	-	-	-
4	A90F	12	GY	1661708C1
5	A90K	16	GY	3895713C1

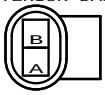
HYD BRAKE LIGHT SWITCH
(4037)
(LOCATED ON EXTERIOR DASH NEAR DCM)



CONNECTOR 3522187C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	M90B	18	GY	3522190C1	3522193C1
2	M94BF	18	GY	3522190C1	3522193C1
3	PLUG	-	-	3522197C1	-

HYD BRAKES FLUID LEVEL SENSOR
(4038)
(LOCATED ON EXTERIOR DASH NEAR DCM)



CONNECTOR 2036583C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	M10-GV	16	WH	2036586C1
B	M90H	16	GY	2036586C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	24JAN14	INITIAL RELEASE.	A	92372W

DRAWN MJV0370
NAME CIRCUIT DIAGRAM, 42/42/44/85/8600 & 73/74/7500
RELEASE NO. 92372W
DATE 14DEC13
PART NO. AE08058187
SHEET 60B

Figure 647 Connector Composites (4033), (4037), (4038)

https://truckmanualshub.com/

13.131. CONNECTOR COMPOSITES (4040), (4041), (4042A), (4042B), (4042C), (4042D), P. 61

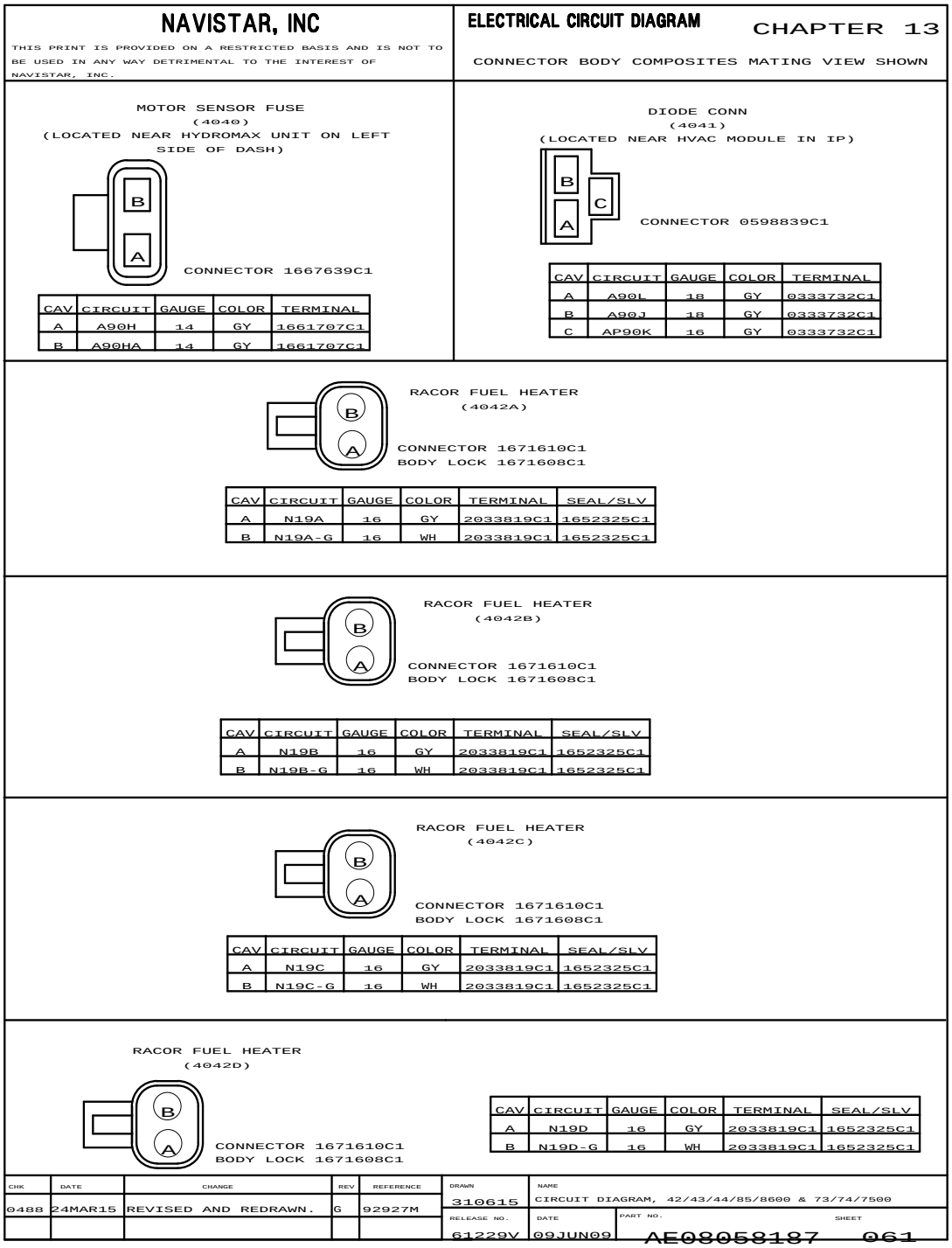


Figure 648 Connector Composites (4040), (4041), (4042A), (4042B), (4202C), (4042D)

https://truckmanualshub.com/

13.132. CONNECTOR COMPOSITES (4060), P. 61A

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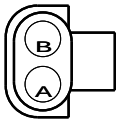
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

I6 ENGINE FUEL PUMP
(4060)
(LOCATED NEAR ENGINE)

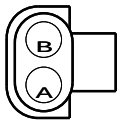


CONNECTOR 0587567C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	A37B	18	TN	0587578C1	3517771C1
B*	A37A	16	TN	0587577C1	1652325C1

* W/I6 FUEL PUMP

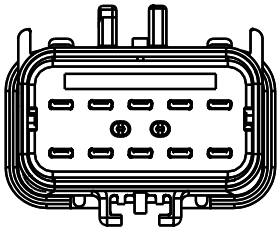
I6 ENGINE/IP FUEL PUMP
(4060)
(LOCATED NEAR ENGINE)



CONNECTOR 0587568C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K97KU	18	PL	0587576C1	3517771C1
B	K97KV	16	PL	0587575C1	1652325C1

FUEL PUMP/AMMETER/TWO WAY RADIO
(4060)
(LOCATED NEAR ENGINE)



CONNECTOR 6112506C1

* N/ENGINE BODY BUILDER
\# W/ENGINE BODY BUILDER
& W/CUMMINS ISB ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K97KU	18	PL	3618272C1
1&	K92(+)	18	YL	3618272C1
1&	K92(+)	18	DKBL	3618272C1
2	K97KV	16	PL	3618273C1
2&	K92(-)	18	GN	3618272C1
2&	K92(-)	18	GY	3618272C1
3	K10S	18	GY	3618272C1
3	K41	18	TN	3618272C1
4	K14HC	10	RD	3612308C1
4	K14A	12	RD	3612308C1
5	K14-GD	10	WH	3612308C1
5	K14-G	12	WH	3612308C1
6	K26A	14	TN	3618273C1
6	K26B	18	TN	3618272C1
7	K26B	14	TN	3618273C1
7	K26A	18	TN	3618272C1
8*	K97ST	18	PL	3618272C1
8#	K97WS	18	PL	3618272C1
8	K41-G	18	TN	3618272C1
9	PLUG	-	-	3573076C1
10	PLUG	-	-	3573076C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	09SEP15	REVISED AND REDRAWN.	D	93248U

DRAWN 310615 — NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V — DATE 09JUN09 — PART NO. AE08058187 — SHEET 61A

Figure 649 Connector Composites (4060)

https://truckmanualshub.com/

13.133. CONNECTOR COMPOSITES (4060A), (4061), (4070), (4071), P. 61B

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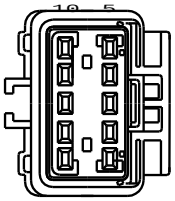
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

FUEL PUMP/AMMETER /TWO WAY RADIO
(4060A)

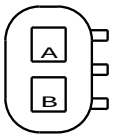


CONNECTOR 3690369C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A37B	18	TN	3613771C1
1*	A92(+)	18	YL	3613771C1
2	A37A	16	TN	3613770C1
2*	A92(-)	18	GN	3613771C1
3	A10S	18	GY	3573077C1
4	A14HF	14	RD	3613770C1
4	A14HC	14	RD	3613770C1
5	A11-GAP	14	WH	3613770C1
6	A26A	18	TN	3573077C1
7	A26B	18	TN	3573077C1
8	A97ST	18	GY	3613771C1
9	PLUG	-	-	3573076C1
10	PLUG	-	-	3573076C1

* W/ EATON PROCISION XMSN W/FUSE

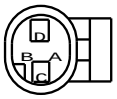
IP/ENG AMMETER
(4061)
(LOCATED ON FRONT CENTER DASH PANEL)



CONNECTOR 1671611C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A26A	18	TN	2033911C1	1652325C1
B	A26B	18	TN	2033911C1	1652325C1

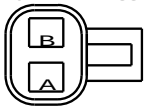
PRESSURE SWITCH
(4070)
(LOCATED ON EXTERIOR DASH
NEAR IP / FORWARD PASS THRU)



CONNECTOR 1661777C1
BODY LOCK 1661873C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	PLUG	-	-	2025431C1	-
B	PLUG	-	-	2025431C1	-
C	M44J	18	GY	1661875C1	1661872C1
D	M44K	18	GY	1661875C1	1661872C1

DUMP SOLENOID
(4071)
(LOCATED ON EXTERIOR DASH
NEAR IP / FORWARD PASS THRU)



CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M44K	18	GY	2033819C1	1652325C1
B	M44L	18	GY	2033819C1	1652325C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
MJV0488	16MAR16	ADDED CIRC A92(+) AND	C	93408J	MJV0195	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	A92(-) IN R/D 4060A.				RELEASE NO. 92218B	DATE 30JUL13

PART NO. AE08058187 SHEET 61B

Figure 650 Connector Composites (4060A), (4061), (4070), (4071)

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13.134. CONNECTOR COMPOSITES (4087), (4087B), (4111M), (4120), P. 62

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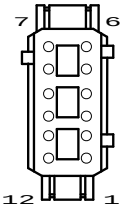
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

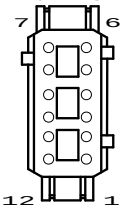
PAM MODULE
(4087)
(LOCATED ON EXTERIOR DASH NEAR HVAC UNIT)



CONNECTOR 3553404C1
BODY LOCK 3553460C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	-
2	PLUG	-	-	-
3	PLUG	-	-	-
4	PLUG	-	-	-
5	PLUG	-	-	-
6	A26D	18	TN	3518963C1
7	A5P(+)	18	YL	3518963C1
8	A5P(-)	18	GN	3518963C1
10	A26B	18	TN	3518963C1
11	A26A	18	TN	3518963C1
12	A11-GBD	18	WH	3518963C1

LEFT PAM MODULE
(4087B)
(LOCATED ON EXTERIOR DASH NEAR HVAC UNIT)



CONNECTOR 3553404C1
BODY LOCK 3553460C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	-
2	PLUG	-	-	-
3	PLUG	-	-	-
4	PLUG	-	-	-
5	PLUG	-	-	-
6	A26D	18	TN	3518963C1
7	A5P(+)	18	YL	3518963C1
8	A5P(-)	18	GN	3518963C1
10	A26B	18	TN	3518963C1
11	A26A	18	TN	3518963C1
12	A11-GBD	18	WH	3518963C1

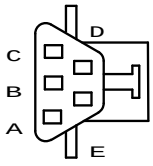
FAN AIR SOLENOID
(4111M)
(LOCATED NEAR ENGINE FAN DRIVE)

CONNECTOR 3522068C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A&	K23A	18	TN	1661875C1	1661872C1
A*	K23A	18	TN	1661875C1	1661872C1
B&	K23-G	18	WH	1661875C1	1661872C1
B*	K23-G	18	WH	1661875C1	3568570C1

& W/ I6 ENGINE
* W/ I6 2010 SCR ENGINE

SNOW VALVE
(4120)
(LOCATED ON AIR CLEANEAR)



CONNECTOR 3522251C1
BODY LOCK 3522253C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	A23F	18	TN	1661875C1	3568570C1
A*	A23C	18	TN	1661875C1	3568570C1
B*	A23H	18	TN	1661875C1	3568570C1
B*	A23A	18	TN	1661875C1	3568570C1
C*	A23J	18	TN	1661875C1	3568570C1
C*	A23B	18	TN	1661875C1	3568570C1
D*	A23K	18	TN	1661875C1	3568570C1
D*	A23D	18	TN	1661875C1	3568570C1
E*	A23L	18	TN	1661875C1	3568570C1
E*	A23E	18	TN	1661875C1	3568570C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	ADDED CIRC K23A &	D	92603H
		K23-G TO R/D 4111M.		

DRAWN 310615 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V | DATE 09JUN09 | PART NO. AE08058187 | SHEET 062

Figure 651 Connector Composites (4087), (4087B), (4111M), (4120)

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13.135. CONNECTOR COMPOSITES (4320), (4321), (4322), P. 63

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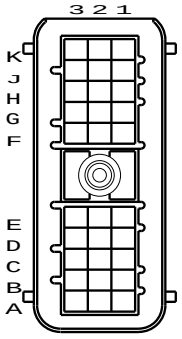
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

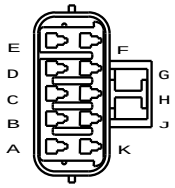
CTI ECU (4320)
(LOCATED BY LEFT FRAME RAIL)



CONNECTOR 3554089C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
K1	N22B	18	TN	3565443C1
K2	N22-GE	18	WH	3565443C1
K3	N98(+)	18	BK	3565443C1
J1	N22A	18	TN	3565443C1
J2	PLUG	-	-	
J3	N98(-)	18	BK	3565443C1
H1	N22R	18	TN	3565443C1
H2	N22P	18	TN	3565443C1
H3	N22N	18	TN	3565443C1
G1	PLUG	-	-	-
G2	PLUG	-	-	-
G3	N22S	18	TN	3565443C1
F1	PLUG	-	-	-
F2	PLUG	-	-	-
F3	PLUG	-	-	-
E1	N22M	18	TN	3565443C1
E2	PLUG	-	-	-
E3	PLUG	-	-	-
D1	N22L	18	TN	3565443C1
D2	N22K	18	TN	3565443C1
D3	PLUG	-	-	
C1	N3(+)	18	DKBL	3565443C1
C2	N3C(-)	18	GY	3565443C1
C3	PLUG	-	-	-
B1	N22H	18	TN	3565443C1
B2	N22F	18	TN	3565443C1
B3	N22J	18	TN	3565443C1
A1	PLUG	-	-	-
A2	PLUG	-	-	-
A3	PLUG	-	-	-

CTI PCU (4321)
(LOCATED BY LEFT FRAME RAIL)



CONNECTOR 3538635C1
BODY LOCK 3538636C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N22GB	18	WH	1661875C1	1661872C1
B	N22F	18	TN	1661875C1	1661872C1
C	N22H	18	TN	1661875C1	1661872C1
D	N22J	18	TN	1661875C1	1661872C1
E	N22K	18	TN	1661875C1	1661872C1
F	N22-GC	18	WH	1661875C1	1661872C1
G	N22L	18	TN	1661875C1	1661872C1
H	N22-GD	18	WH	1661875C1	1661872C1
K	N22M	18	TN	1661875C1	1661872C1
J	PLUG	-	-	-	-

CTI PCU TRANSDUCER (4322)
(LOCATED BY LEFT FRAME RAIL)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N22N	18	TN	1661875C1	1661872C1
B	N22P	18	TN	1661875C1	1661872C1
C	N22R	18	TN	1661875C1	1661872C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
DLV1	18SEP09	INITIAL RELEASE.	A	61229V	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 09JUN09
						PART NO. AE08058187 SHEET 063

Figure 652 Connector Composites (4320), (4321), (4322)

https://truckmanualshub.com/

13.136. CONNECTOR COMPOSITES (4323), (4328), (4410D), (4410E), P. 64

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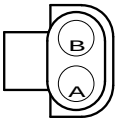
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

PRESSURE SW
(4323)
(LOCATED BY LEFT FRAME RAIL)



CONNECTOR 0587568C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N22S	18	TN	0587576C1	1652325C1
B	N22-GF	18	WH	0587576C1	1652325C1

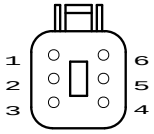
W/ WORKSTAR

ENGINE DIAGNOSTICS CONNECTOR
(4328)
(LOCATED NEAR ENGINE)

CONNECTOR 3602454C1
BODY LOCK 1655705C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K98YL	20	YL	1651987C1
B	K98GN	20	GN	1651987C1
C	PLUG	-	-	-

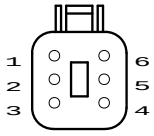
REMOTE POWER MODULE
DATALINK & LOGIC POWER
(4410D)
(LOCATED NEAR LEFT FRAME RAIL BACK OF CAB)



CONNECTOR 3572899C1
BODY LOCK 2005242C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	0453133C1
2	N10-GR	14	WH	2034787C1
3	N5E(+)	18	YL	1680205C1
4	N5E(-)	18	GN	1680205C1
5	PLUG	-	-	0453133C1
6	N20	16	LTGN	1680205C1

REMOTE POWER MODULE
(4410E)
DATALINK & LOGIC POWER
(LOCATED NEAR LEFT FRAME RAIL BACK OF CAB)



CONNECTOR 3572899C1
BODY LOCK 2005242C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	0453133C1
2	N10-GP	14	WH	2034787C1
3	N5F(+)	18	YL	3572625C1
3*	N5F(+)	18	YL	1686205C1
4	N5F(-)	18	GN	3572625C1
4*	N5F(-)	18	GN	1686205C1
5	PLUG	-	-	0453133C1
6	N20A	16	LTGN	1680205C1

W/ WORKSTAR AND DURASTAR

* W/ RPU BOC & EOF DATALINK W/ MIDCAB

CHK	DATE	CHANGE	REV.	REFERENCE
0488	25JUN14	ADDED CIRC N5F(+) AND	E	92603H
		N5F(-) TO R/D 4410E.		

DRAWN	NAME
310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO.	DATE / PART NO. / SHEET
61229V	09JUN09 AE08058187 064

Figure 653 Connector Composites (4323), (4328), (4410D), (4410E)

https://truckmanualshub.com/

13.137. CONNECTOR COMPOSITES (4410F), (4410G), (4410H), P. 65

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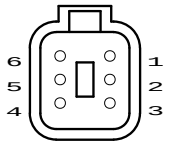
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

REMOTE POWER MODULE DATALINK & LOGIC POWER
(4410F)
(LOCATED BETWEEN CENTER
CHASSIS AND REAR CHASSIS)

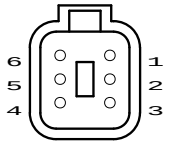


CONNECTOR 3572899C1
BODY LOCK 2005242C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	0453133C1
2	N10-GR	14	WH	2034787C1
3	N5E(+)	18	YL	1680205C1
4	N5E(-)	18	GN	1680205C1
5	PLUG	-	-	0453133C1
6	N20	16	LT GN	1680205C1

W/ WORKSTAR

REMOTE POWER MODULE
DATALINK & LOGIC POWER
(4410F)
(LOCATED BETWEEN CENTER
CHASSIS AND REAR CHASSIS)



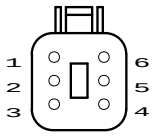
CONNECTOR 3572900C1
BODY LOCK 2005243C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1#	R59	14	GY	2034788C1
1*	R59C	14	GY	2034788C1
2#	R10-GPM	14	WH	2034788C1
2*	R10-GPN	14	WH	2034788C1
3#	R1(+)	18	YL	3572626C1
3*	R1A(+)	18	YL	3572626C1
4#	R1(-)	18	GN	3572626C1
4*	R1A(-)	18	GN	3572626C1
5	PLUG	-	-	0453133C1
6#	R14	16	RD	1680206C1
6*	R14D	16	RD	1680206C1

* FOR AIR SOLENOID
\# FOR REMOTE POWER FOF

W/ WORKSTAR

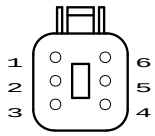
REMOTE POWER MODULE DATALINK & LOGIC POWER
(4410G)
(LOCATED BETWWEN CENTER CHASSIS AND REAR CHASSIS)



CONNECTOR 3572899C1
BODY LOCK 2005242C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	0453133C1
2	N10-GR	14	WH	2034787C1
3	N5E(+)	18	YL	1680205C1
4	N5E(-)	18	GN	1680205C1
5	PLUG	-	-	0453133C1
6	N20	16	LTGN	1680205C1

REMOTE POWER MODULE
(4410H)
DATALINK & LOGIC POWER
(LOCATED BETWEEN CENTER
CHASSIS AND REAR CHASSIS)



CONNECTOR 3572899C1
BODY LOCK 2005242C1

W/ WORKSTAR

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	0453133C1
2*	N10-GS	14	WH	2034787C1
2	N10-GP	14	WH	2034787C1
3	N5E(+)	18	YL	1680205C1
3*	N5E(+)	18	YL	1680205C1
4	N5E(-)	18	GN	1680205C1
4*	N5E(-)	18	GN	1680205C1
5	PLUG	-	-	0453133C1
6*	N20	16	LTGN	1680205C1
6	N20A	16	LTGN	1680205C1

* FOR RPU EOF DATALINK
\# FOR RPU EOC & EOF DATALINK

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	ADDED R/D 4410G.	D	92603H

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 065

Figure 654 Connector Composites (4410F), (4410G), (4410H)

https://truckmanualshub.com/

13.138. CONNECTOR COMPOSITES (4410J), (4410K), (4410L), P. 65A

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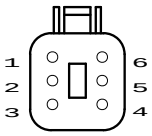
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

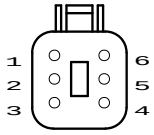
REMOTE POWER MODULE DATALINK & LOGIC POWER
(4410J)
(LOCATED NEAR END OF FRAME)



CONNECTOR 3572899C1
BODY LOCK 2005242C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	0453133C1
2	N10-GP	14	WH	2034787C1
3	N5F(+)	18	YL	1680205C1
4	N5F(-)	18	GN	1680205C1
5	PLUG	-	-	0453133C1
6	N20A	16	LT GN	1680205C1

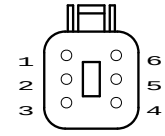
2ND AIR SOLENOID 7-PAK
(4410K)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)



CONNECTOR 3572899C1
BODY LOCK 2005242C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R59C	14	GY	2034787C1
2	R10-GPN	14	WH	2034787C1
3	R1A(+)	18	YL	3572625C1
4	R1A(-)	18	GN	3572625C1
5	PLUG	-	-	0453133C1
6	R14D	16	RD	3572625C1

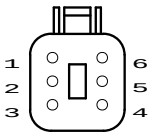
1ST AIR SOLENOID 7-PAK
(4410L)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)



CONNECTOR 3572899C1
BODY LOCK 2005242C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R59D	14	GY	2034787C1
2	R10-GPP	14	WH	2034787C1
3	R1B(+)	18	YL	1680205C1
4	R1B(-)	18	GN	1680205C1
5	PLUG	-	-	0453133C1
6	R14E	16	RD	1680205C1

REMOTE POWER MODULE DATALINK & LOGIC POWER
(4410L)
(LOCATED BETWWEN CENTER CHASSIS AND REAR CHASSIS)



CONNECTOR 3572899C1
BODY LOCK 200524C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	0453133C1
2	N10-GS	14	WH	2034787C1
2	N10-GP	14	WH	2034787C1
3	N5F(+)	18	YL	1680205C1
3	N5E(+)	18	YL	1680205C1
4	N5F(-)	18	GN	1680205C1
4	N5E(-)	18	GN	1680205C1
5	PLUG	-	-	0453133C1
6	N20A	16	LT GN	1680205C1
6	N20	16	LT GN	1680205C1

CHK	DATE	CHANGE	REV.	REFERENCE
0488	25JUN14	ADDED R/D 4410J,4410L	B	92603H
	MVD R/D	4410M AND 4411 ON SHEET 65B.		

DRAWN MJV0195 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 92218B | DATE 30JUL13 | PART NO. AE08058187 | SHEET 65A

Figure 655 Connector Composites (4410J), (4410K), (4410L)

https://truckmanualshub.com/

13.139. CONNECTOR COMPOSITES (4410M), (4411), P. 65B

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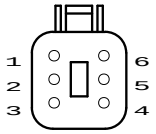
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

REMOTE POWER MODULE DATALINK & LOGIC POWER
(4410M)
(LOCATED NEAR END OF FRAME)

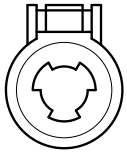


CONNECTOR 3572899C1
BODY LOCK 2005242C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1#	R59D	14	GY	2034787C1
1*	R59	14	GY	2034787C1
2#	R10-GPP	14	WH	2034787C1
2*	R10-GPM	14	WH	2034787C1
3#	R1B(+)	18	YL	3572625C1
3*	R1(+)	18	YL	3572625C1
4#	R1B(-)	18	GN	3572625C1
4*	R1(-)	18	GN	3572625C1
5	PLUG	-	-	0453133C1
6#	R14E	16	RD	1680205C1
6*	R14	16	RD	1680205C1

* POWER UNIT EOF
\# AIR SOLENOID

REMOTE POWER MODULE POSITIVE FEED 2
(4411)
(LOCATED AT BACK OF CAB)



CONNECTOR 3517760C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	N14C	4	RD	3517757C1

W/ WORKSTAR AND W/ DURASTAR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	25JUN14	INITIAL RELEASE.	A	92603H	MJV0195	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92218B	DATE 30JUL13

PART NO. AE08058187 SHEET 65B

Figure 656 Connector Composites (4410M), (4411)

https://truckmanualshub.com/

13.140. CONNECTOR COMPOSITES (4411A1), (4411A2), (4411A3), (4411A4), (4411A5), (4411A6), (4411A7), (4411A8), P. 66

Figure 657 Connector Composites (4411A1), (4411A2), (4411A3), (4411A4), (4411A5), (4411A6), (4411A7), (4411A8)

https://truckmanualshub.com/

13.141. CONNECTOR COMPOSITES (4411A9), (4411F), (4411M), (4411M1), (4411M2), P. 66A

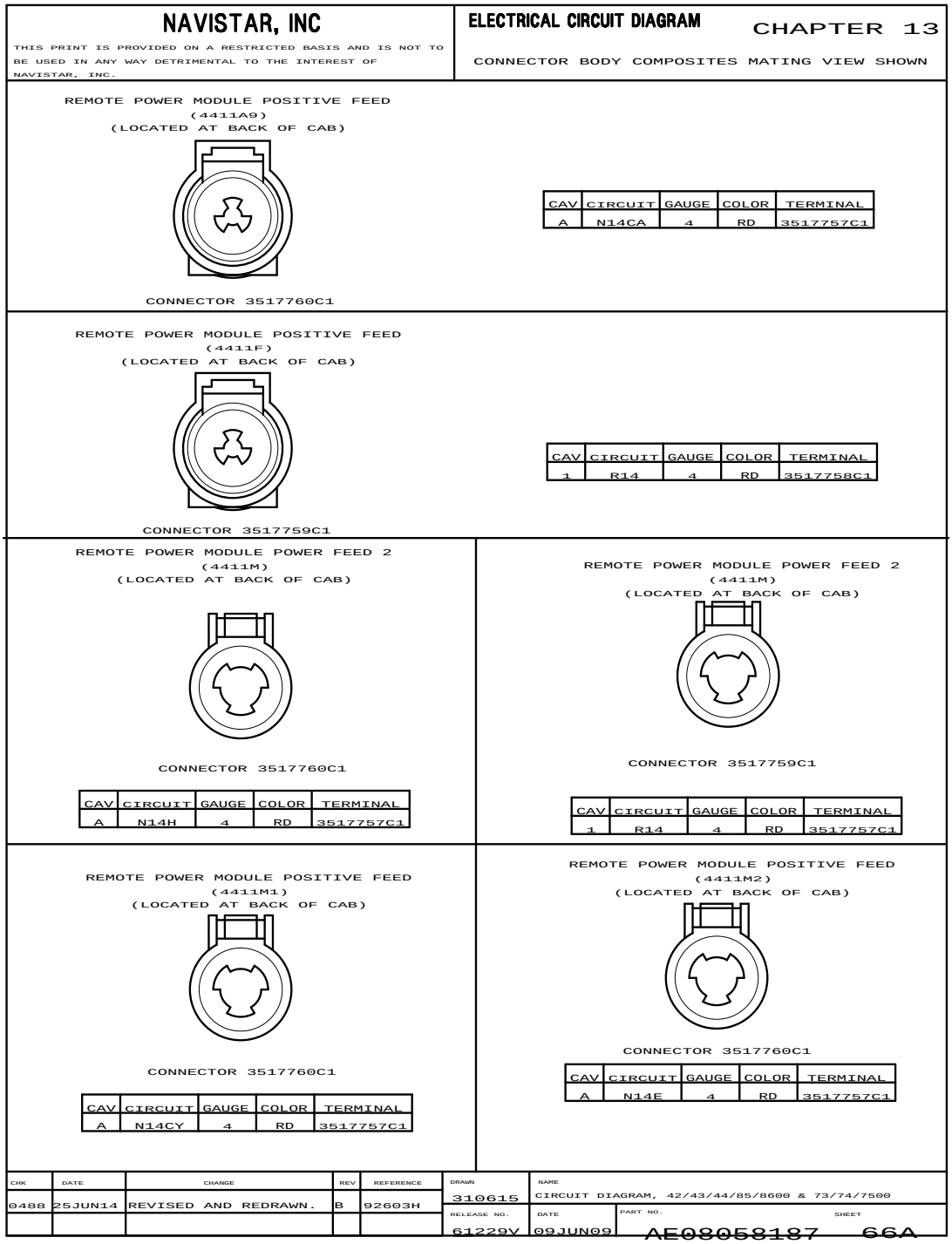


Figure 658 Connector Composites (4411A9), (4411F), (4411M), (4411M1), (4411M2)

https://truckmanualshub.com/

13.142. CONNECTOR COMPOSITES (4411M4), (4411M5), (4411M6), (4411M7), (4411N), P. 66B

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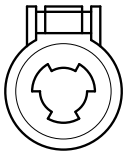
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

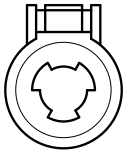
REMOTE POWER MODULE POSITIVE FEED 2
(4411M4)
(LOCATED AT BACK OF CAB)



CONNECTOR 3517760C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	N14CZ	4	RD	3517757C1

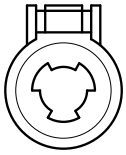
REMOTE POWER MODULE POSITIVE FEED
(4411M5)
(LOCATED AT BACK OF CAB)



CONNECTOR 3517760C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	N14H	4	RD	3517757C1

REMOTE POWER MODULE POSITIVE FEED
(4411M6)
(LOCATED AT BACK OF CAB)

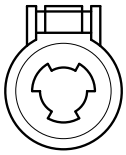


CONNECTOR 3517760C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	N14E	4	RD	3517757C1

W/ WORKSTAR

RPM POSITIVE FEED
(4411M7)
(LOCATED AT BACK OF CAB)



CONNECTOR 3517760C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	N14CX	4	RD	3517757C1

W/ WORKSTAR

REMOTE POWER MODULE POSITIVE FEED
(4411N)
(LOCATED AT BACK OF CAB)

CONNECTOR 3517759C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R14	4	RD	3517758C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	REVISED AND REDRAWN.	B	92603H

DRAWN MJV0195

NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 92218B

DATE 30JUL13

PART NO. AE08058187

SHEET 66B

Figure 659 Connector Composites (4411M4), (4411M5), (4411M6), (4411M7), (4411N)

https://truckmanualshub.com/

13.143. CONNECTOR COMPOSITES (4411P), (4412A1), (4412A2), (4412F), (4413A1), (4413A2), (4413A3), (4413A4), P. 66C

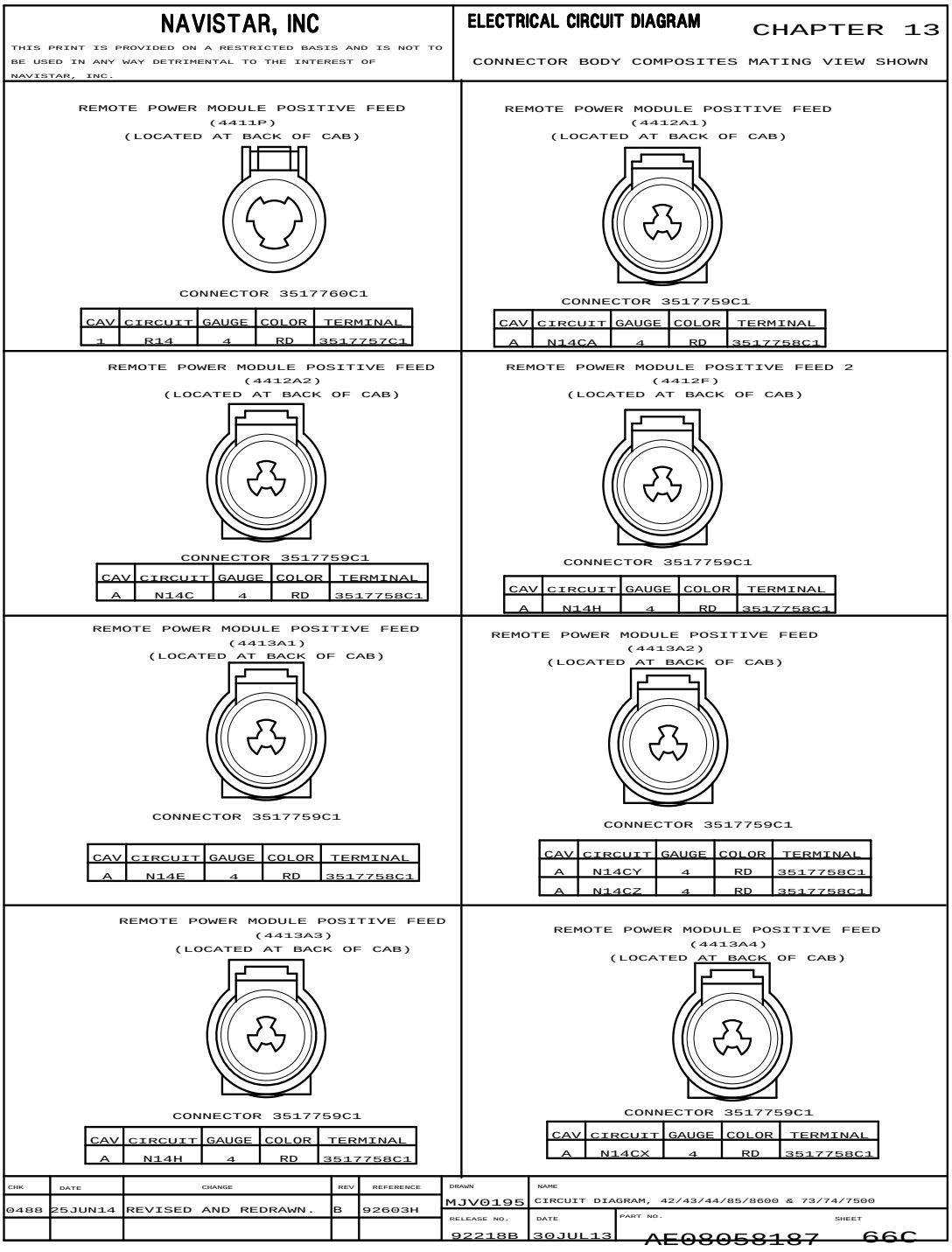


Figure 660 Connector Composites (4411P), (4412A1), (4412A2), (4412F), (4413A1), (4413A2), (4413A3), (4413A4)

https://truckmanualshub.com/

13.144. CONNECTOR COMPOSITES (4413F), (4413F1), (4413F2), P. 66D

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

REMOTE POWER MODULE POSITIVE FEED
(4413F)
(LOCATED AT BACK OF CAB)

CONNECTOR 3517759C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	N14C	4	RD	3517758C1

W/ WORKSTAR AND W/ DURASTAR

REMOTE POWER MODULE POSITIVE FEED
(4413F1)
(LOCATED AT BACK OF CAB)

CONNECTOR 3517759C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A#	N14CY	4	RD	3517758C1
A*	N14CZ	4	RD	3517758C1

W/ WORKSTAR
* W/ DURASTAR

REMOTE POWER MODULE POSITIVE FEED
(4413F2)
(LOCATED AT BACK OF CAB)

CONNECTOR 3517759C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N14E	4	RD	3517758C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	25JUN14	ADDED R/D 4413F,4413F1	B	92603H	MJV0195	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		AND 4413F2.MVD PREVIOUS R/D'S.			RELEASE NO. 92218B	DATE 30JUL13

PART NO. AE08058187 SHEET 66D

Figure 661 Connector Composites (4413F), (4413F1), (4413F2)

https://truckmanualshub.com/

13.145. CONNECTOR COMPOSITES (4413F3), (4413F4), (4414), (4450AM), (4450BM), P. 66E

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

REMOTE POWER MODULE POSITIVE FEED
(4413F3)
(LOCATED AT BACK OF CAB)

CONNECTOR 3517759C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	N14CA	4	RD	3517758C1

REMOTE POWER MODULE POSITIVE FEED
(4413F4)
(LOCATED AT BACK OF CAB)

CONNECTOR 3517759C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	N14CX	4	RD	3517758C1

REMOTE PWR MDL +VE FEED
(4414)
(LOCATED AT BACK OF CAB)

CONNECTOR 3517760C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	N14CA	4	RD	3517757C1

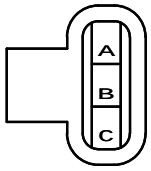
W/ WORKSTAR AND W/ DURASTAR

BODY BUILDER CONNECTION
(4450AM)
(LOCATED BETWEEN CENTER CHASSIS AND REAR CHASSIS)

CONNECTOR 2039311C91
BODY LOCK 2039342C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N68BB	14	BN	3535486C1	0589391C1
B	N56BB	16	YL	2039343C1	1652325C1
C	N57BB	16	LTGN	2039343C1	1652325C1
D	N54BB	14	BN	3535486C1	0589391C1
E	N71BB	16	LTBL	2039343C1	1652325C1
F	N12BB	14	LTBL	3535486C1	0589391C1
G	N11-GBB	12	WH	2039344C1	0589390C1

BODY BUILDER TURN / STOP
(4450BM)
(LOCATED BETWEEN CENTER CHASSIS AND REAR CHASSIS)



CONNECTOR 1686834C1
BODY LOCK 1664408C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R56BC	16	OR	2033819C1	1652325C1
B	R57BC	16	OR	2033819C1	1652325C1
C	R70BB	14	OR	2033816C1	0589391C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	ADDED R/D 4413F3,F4,	B	92603H
		4414,4450AM AND 4450BM.		

DRAWN MJV0195 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 92218B | DATE 30JUL13 | PART NO. AE08058187 | SHEET 66E

Figure 662 Connector Composites (4413F3), (4413F4), (4414), (4450AM), (4450BM)

https://truckmanualshub.com/

13.146. CONNECTOR COMPOSITES (4450BF), (4450M), (4460AM), P. 66F

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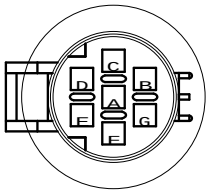
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

BODY BUILDER CONNECTION
(4450BF)
(LOCATED NEAR LEFT FRAME RAIL BACK OF CAB)



CONNECTOR 2039312C91
BODY LOCK 2039342C1

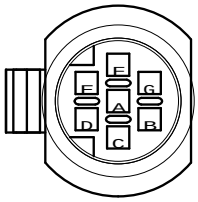
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R68BB	14	BN	2033912C1	0589391C1
B	R56BB	16	OR	2033911C1	1652325C1
C	R57BB	16	OR	2033911C1	1652325C1
D	R58BB	14	BN	2033912C1	0589391C1
E	R71BB	16	OR	2033911C1	1652325C1
F	R12BB	14	LTBL	2033912C1	0589391C1
G	R11-GBB	12	WH	2033912C1	0589390C1

BODY BUILDER CONNECTION
(4450M)
(LOCATED NEAR LEFT FRAME RAIL BACK OF CAB)

CONNECTOR 2039311C91
BODY LOCK 2039342C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N68BB	14	BN	3535486C1	0589391C1
B	N56BB	16	YL	2039343C1	1652325C1
C	N57BB	16	LTGN	2039343C1	1652325C1
D	N54BB	14	BN	3535486C1	0589391C1
E	N71BB	16	LTBL	2039343C1	1652325C1
F	N12BB	14	LTBL	3535486C1	0589391C1
G	N11-GD	12	WH	2039344C1	0589390C1

BODY BUILDER CONNECTION
(4450M)
(LOCATED NEAR LEFT FRAME RAIL
BACK OF CAB)

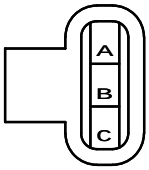


CONNECTOR 2039311C91
BODY LOCK 2039342C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	A68BB	16	BN	2039343C1	1652325C1
A*	A68BB	14	BN	3535486C1	1652325C1
B	A56BB	16	YL	2039343C1	1652325C1
C	A57BB	16	LTGN	2039343C1	1652325C1
D*	A58BB	14	BN	3535486C1	1652325C1
D*	A54BB	16	BN	2039343C1	1652325C1
E	A71BB	16	LTBL	2039343C1	1652325C1
F	A12BB	16	LTBL	2039343C1	1652325C1
G	A11-GBJ	12	WH	2039344C1	0589391C1

* MUTUALLY EXCLUSIVE

BODY BUILDER TURN / STOP
(4460AM)
(LOCATED BETWEEN CENTER
CHASSIS AND REAR CHASSIS)



CONNECTOR 1686834C1
BODY LOCK 1664408C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N56BC	16	YL	2033819C1	1652325C1
B	N57BC	16	LTGN	2033819C1	1652325C1
C	N70BB	14	RD	2033816C1	0589391C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	INITIAL RELEASE.	A	92603H

DRAWN MJV0195 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 92218B | DATE 30JUL13 | PART NO. AE08058187 | SHEET 66F

Figure 663 Connector Composites (4450BF), (4450M), (4460AM)

https://truckmanualshub.com/

13.147. CONNECTOR COMPOSITES (4460BF), (4460BM), P. 66G

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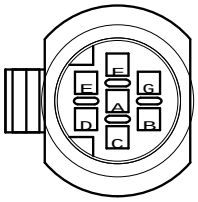
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

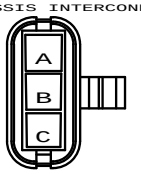
BODY BUILDER CONNECTION
(4460BM)
(LOCATED AT END OF FRAME NEAR REAR AXLES)



CONNECTOR 2039311C91
BODY LOCK 2039342C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R68BB	14	BN	3535486C1	0589391C1
B	R56BB	16	OR	2039343C1	1652325C1
C	R57BB	16	OR	2039343C1	1652325C1
D	R58BB	14	BN	3535486C1	0589391C1
E	R71BB	16	OR	2039343C1	1652325C1
F	R12BB	14	LTBL	3535486C1	0589391C1
G	R11-GBB	12	WH	2039344C1	0589390C1

BODY BUILDER TURN / STOP
(4460BF)
(LOCATED AT MAIN CHASSIS TO
REAR CHASSIS INTERCONNECT)



CONNECTOR 3553961C1
BODY LOCK 3554019C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R56BC	16	OR	2033911C1	1652325C1
B	R57BC	16	OR	2033911C1	1652325C1
C	R70BB	14	OR	2033912C1	0589391C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	24JUN14	INITIAL RELEASE.	A	92603H	MJV0195	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92218B	DATE 06AUG13
						PART NO. AE08058187 SHEET 66G

Figure 664 Connector Composites (4460BF), (4460BM)

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13.148. CONNECTOR COMPOSITES (4460M), (4500), (4601), P. 67

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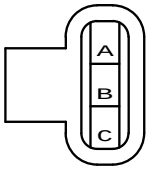
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

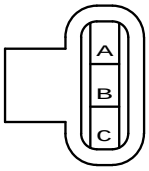
BODY BUILDER TURN / STOP
(4460M)
(LOCATED NEAR LEFT FRAME RAIL BACK OF CAB)



CONNECTOR 1686834C1
BODY LOCK 1664408C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N56BC	16	YL	2033819C1	1652325C1
B	N57BC	16	LTGN	2033819C1	1652325C1
C	N70BB	14	RD	2033816C1	0589391C1

BODY BUILDER TURN/STOP
(4460M)
(LOCATED BETWEEN CENTER CHASSIS AN REAR CHASSIS)

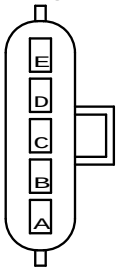


CONNECTOR 1686834C1
BODY LOCK 1664408C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A56BC	16	YL	2033819C1	1652325C1
B	A57BC	16	LTGN	2033819C1	1652325C1
C*	A70BL	16	RD	2033819C1	1652325C1
C*	A70BL	14	RD	2033816C1	1652325C1
C*	A70BB	16	RD	2033819C1	1652325C1
C*	A70BB	14	RD	2033816C1	1652325C1

* MUTUALLY EXCLUSIVE

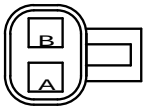
WINDSHIELD WIPER MOTOR
(4500)
(LOCATED UNDER HOOD)



CONNECTOR 1661375C2
BODY LOCK 1661376C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A82D	16	GY	2033819C1	1652325C1
B	A82V	16	GY	2033819C1	1652325C1
C	A82-G	14	WH	2033816C1	1652325C1
D	A82K	16	GY	2033819C1	1652325C1
E	A82L	16	GY	2033819C1	1652325C1

AMMETER
(4601)
(LOCATED IN ENGINE COMPARTMENT)



CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K26B	18	TN	2033819C1	1652325C1
B	K26A	18	TN	2033819C1	1652325C1

W/DURASTAR

CHK	DATE	CHANGE	REV	REFERENCE
-	-	ADDED R/D 4601. RMVD	C	92372W
	R/D 4705.			

DRAWN 310615 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V | DATE 09JUN09 | PART NO. AE08058187 | SHEET 067

Figure 665 Connector Composites (4460M), (4500), (4601)

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13.149. CONNECTOR COMPOSITES (4705), (4706), P. 67A

NAVISTAR, INC

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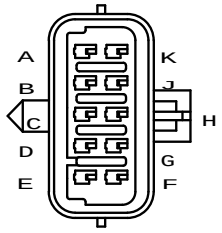
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

BODY BUILDER CONNECTOR
(4705)
(LOCATED IN ENGINE)

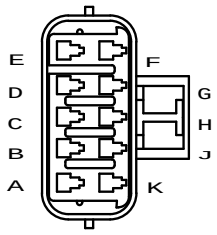


CONNECTOR 3538634C1
BODY LOCK 3538636C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K92A15	18	TN	1667742C1	1661872C1
B*	K92A11	18	TN	1667742C1	3568570C1
B#	K92A11	16	TN	1667742C1	1661872C1
C	K92A12	18	TN	1667742C1	3568570C1
D	K92A13	18	TN	1667742C1	3568570C1
E	K92A9	18	TN	1667742C1	3568570C1
F	K92A10	18	TN	1667742C1	3568570C1
G	K92A8	18	TN	1667742C1	3568570C1
H	K92A16	18	TN	1667742C1	3568570C1
J	K92A17	18	TN	1667742C1	3568570C1
K	PLUG	-	-	2025431C1	-

* W/ BODY BUILDER CONNECTION
\# W/ BODY BUILDER CONNECTION, W/ ULTRASHIFT

BODY BUILDER CONNECTOR
(4706)
(LOCATED IN ENGINE)



CONNECTOR 3538635C1
BODY LOCK 3538636C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K92A5	18	TN	1661875C1	3568570C1
B	K92A4	18	TN	1661875C1	1661872C1
C	K92A3	18	TN	1661875C1	3568570C1
D	K92A14	18	TN	1661875C1	3568570C1
E	K92A2	18	TN	1661875C1	3568570C1
F	K92A6	18	TN	1661875C1	3568570C1
G	K92A7	18	TN	1661875C1	3568570C1
H	K92A1	18	TN	1661875C1	3568570C1
J	K92A19	18	TN	1661875C1	3568570C1
K	PLUG	-	-	2025431C1	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0638	12DEC14	DELETED CONN 3539139C1	C	92783G	U021653	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	WITH R/D 4705.				RELEASE NO. 82436B	DATE 03NOV11

PART NO. AE08058187 SHEET 67A

Figure 666 Connector Composites (4705), (4706)

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13.150. CONNECTOR COMPOSITES (4712F1), (4712F3), P. 67B

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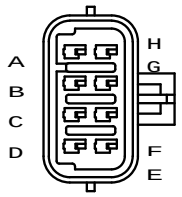
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

DASH/TRANS CONNECTION
(4712F1)

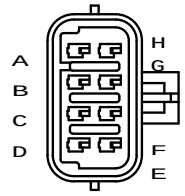


CONNECTOR 3525874C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	L71C	16	OR	1667742C1	1661872C1
B	L71B	16	OR	1667742C1	1661872C1
C	PLUG	-	-	2025431C1	-
D	PLUG	-	-	2025431C1	-
E	PLUG	-	-	2025431C1	-
F	L17D	18	PK	1667742C1	3568570C1
G	PLUG	-	-	2025431C1	-
H	PLUG	-	-	2025431C1	-

W/DURASTAR

DASH/TRANS CONNECTION
(4712F3)



CONNECTOR 3525874C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	L71C	16	OR	1667742C1	1661872C1
B	L71C	16	OR	1667742C1	1661872C1
C	L71B	16	OR	1667742C1	1661872C1
D	PLUG	-	-	2025431C1	-
E	L71B	16	OR	1667742C1	1661872C1
F	L17D	18	PK	1667742C1	3568570C1
G	L17D	18	PK	1667742C1	1661872C1
H	PLUG	-	-	2025431C1	-

W/DURASTAR

CHK	DATE	CHANGE	REV	REFERENCE
0638	12DEC14	DELETED CONN 3539140C1C		92783G
	WITH R/O 4706.			

DRAWN U021653 | NAME CIRCUIT DIAGRAM, 42/42/44/85/8600 & 73/74/7500

RELEASE NO. 82436B | DATE 08NOV11 | PART NO. AE08058187 | SHEET 67B

Figure 667 Connector Composites (4712F1), (4712F3)

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13.151. CONNECTOR COMPOSITES (6000), P. 67C

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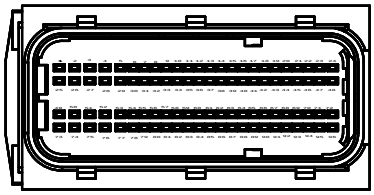
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ECM
(6000)
(LOCATED IN LEFT SIDE OF ENGINE)



CONNECTOR 3945694C1
BODY LOCK 3743662C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K14A5	16	RD	3743666C1
2	PLUG	-	-	3744547C1
3	K95-GB	16	TN	3743666C1
4	PLUG	-	-	3744547C1
5	K13B	18	PK	3743666C1
6	K95F	20	TN	3743668C1
7	K95-GA	20	TN	3743668C1
8*	K6A	20	GY	3743668C1
8#	K6A	20	PL	3743668C1
9	K97C	20	PL	3743668C1
10	K99B	20	PL	3743668C1
11	PLUG	-	-	3744547C1
12	K46B	20	GY	3743668C1
13	K95	20	TN	3743668C1
14	PLUG	-	-	3744547C1
15	PLUG	-	-	3744547C1
16	K95K	20	TN	3743668C1
17	PLUG	-	-	3744547C1
18	PLUG	-	-	3744547C1
19	K46A	20	GY	3743668C1
20	PLUG	-	-	3744547C1
21	PLUG	-	-	3744547C1
22@	K5(+)	20	YL	3743668C1
22%	K5B(+)	20	YL	3743668C1
23	PLUG	-	-	3744547C1
24	PLUG	-	-	3744547C1
25	K14A4	16	RD	3743666C1
26	K14A3	16	RD	3743666C1
27	K14A2	16	RD	3743666C1
28	K14A1	16	RD	3743666C1
29	PLUG	-	-	3744547C1
30	K97AR	20	PL	3743668C1
31	PLUG	-	-	3744547C1
32	K9A	20	GY	3743668C1
33	K97B	20	PL	3743668C1
34	PLUG	-	-	3744547C1
35	K34	20	TN	3743668C1

W/ DURASTAR

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
36	PLUG	-	-	3744547C1
37	PLUG	-	-	3744547C1
38	K95B	20	TN	3743668C1
39	K95A1	20	TN	3743668C1
40	K95C	20	TN	3743668C1
41	K95	20	TN	3743668C1
42	K95A	20	TN	3743668C1
43	PLUG	-	-	3744547C1
44	PLUG	-	-	3744547C1
45	PLUG	-	-	3744547C1
46@	K5(-)	20	GN	3743668C1
46%	K5B(-)	20	GN	3743668C1
47	PLUG	-	-	3744547C1
48	PLUG	-	-	3744547C1
49	K10-GA	16	WH	3743666C1
50	K10-GB	16	WH	3743666C1
51	K10-GC	16	WH	3743666C1
52	K10-GD	16	WH	3743666C1
53	K95(-)	20	GN	3743668C1
54	K95E	20	TN	3743668C1
55	PLUG	-	-	3744547C1
56	PLUG	-	-	3744547C1
57	K95AA	20	TN	3743668C1
58	PLUG	-	-	3744547C1
59	K47C	20	GY	3743668C1
60	K47B	20	GY	3743668C1
61	K97N	20	PL	3743668C1
62@@	K9	20	GY	3743668C1
62%%	K9A	20	GY	3743668C1
63	K99A	20	PL	3743668C1
64	K97M	20	PL	3743668C1
65	K41A	20	TN	3743668C1
66	PLUG	-	-	3744547C1
67	K99F	20	PL	3743668C1
68	PLUG	-	-	3744547C1
69	PLUG	-	-	3744547C1
70	K97XC	20	TN	3743668C1
71	PLUG	-	-	3744547C1
72	PLUG	-	-	3744547C1
73	K10-GE	16	WH	3743666C1
74	PLUG	-	-	3744547C1
75	K18	18	PK	3743666C1
76	K18R	18	PK	3743666C1
77	K95(+)	20	YL	3743668C1
78	PLUG	-	-	3744547C1
79	K95D	20	TN	3743668C1
80	PLUG	-	-	3744547C1

* OEM SENSOR SUPPLY W/ BODY BUILDER
\# OEM SENSOR SUPPLY N/ BODY BUILDER
@ J1939 W/ MANUAL TRANSMISSION
% J1939 W/ ALLISON TRANSMISSION
& GROUND W/ TCM, W/ 508004
@@ ECM RETURN N/ BODY BUILDER
%% ECM RETURN W/ BODY BUILDER

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0638	12DEC14	ADDED CIRCUIT K97XC	C	92783G	MJV0195	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	IN R/D 6000 CAV 70.				RELEASE NO. 92218B	DATE 30JUL13 PART NO. AE08058187 SHEET 68C

Figure 668 Connector Composites (6000)

https://truckmanualshub.com/

13.152. CONNECTOR COMPOSITES (4803), (4810), (4815), (4830), P. 67D

NAVISTAR, INC

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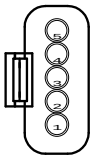
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

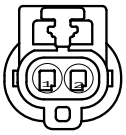
NOX SENSOR CONNECTOR (4803)
(LOCATED BY RIGHT FRAME RAIL)



CONNECTOR 3905767C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K14PQ	18	RD	3734893C1	3680160C1
2	K10-GV	18	WH	3734893C1	3680160C1
3	K5DE(-)	18	GN	3734893C1	3680160C1
4	K5DE(+)	18	YL	3734893C1	3680160C1
5	PLUG	-	-	3734893C1	3680160C1

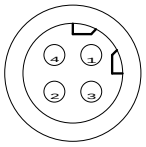
INJECTOR CONNECTOR (4810)
(LOCATED ABOVE MUFFLER EXHAUST)



CONNECTOR 3733328C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K116LO	18	GY	3733327C1	3573653C1
2	K116J	18	GY	3733327C1	3573653C1

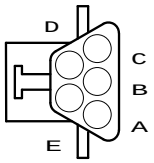
COOLANT VALVE SOLENOID CONNECTOR (4815)
(LOCATED BY RIGHT FRAME RAIL ABOVE DEF TANK)



CONNECTOR 3714731C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K116LM	16	GY	3679224C1	3601687C1
2	PLUG	-	-	3679224C1	3601687C1
3	PLUG	-	-	3679224C1	3601687C1
4	K116KL	16	GY	3679224C1	3601687C1

TEMPERATURE, LEVEL SENSOR
(LOCATED ABOVE DEF TANK)
(4830)



CONNECTOR 3522251C1
BODY LOCK 3522253C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K119CD	18	RD	1661875C1	3568570C1
B	K120A	18	YL	1661875C1	3568570C1
C	K10-GN	18	WH	1661875C1	3568570C1
D	K120B	18	OR	1661875C1	3568570C1
E	K19GO	18	WH	1661875C1	3568570C1

CHK	DATE	CHANGE	REV.	REFERENCE
-	-	ADDED R/D 4803,4810,	B	92372W
		4815 & 4830. RMVD PREVIOUS R/D'S.		

DRAWN U021653 NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 82436B DATE 08NOV11 PART NO. AE08058187 SHEET 67D

Figure 669 Connector Composites (4803), (4810), (4815), (4830)

https://truckmanualshub.com/

13.153. CONNECTOR COMPOSITES (4831), (4833A), (4833B), (4833C), P. 67E

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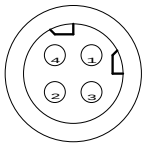
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

TEMPERATURE SENSOR CONNECTOR (4831)
(LOCATED ABOVE EXHAUST PIPE)



CONNECTOR 3601685C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K10-GK	18	WH	3601686C1	3733609C1
2	K117A	18	GY	3601686C1	3733609C1
3	PLUG	-	-	3601686C1	3733609C1
4	PLUG	-	-	3601686C1	3733609C1

LINE HEAT CONNECTOR (4833A)
(LOCATED BEHIND DEF TANK)

CONNECTOR 3854665C91
BODY LOCK 3711020C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K113AA	18	PL	1680205C1
2	K113D	12	TN	1680205C1

LINE HEAT CONNECTOR (4833B)
(LOCATED BEHIND DEF TANK)

CONNECTOR 3854665C91
BODY LOCK 3711020C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K113AB	18	PL	1680205C1
2	K113E	16	TN	1680205C1

LINE HEAT CONNECTOR (4833C)
(LOCATED ABOVE DEF TANK)

CONNECTOR 3854665C91
BODY LOCK 3711020C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K116LP	18	GY	1680205C1
2	K113C	18	PL	1680205C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	24JAN14	ADDED R/D 4831,4833A	C	92372W
	4833B/C	RMVD PREVIOUS R/D'S		

DRAWN U021653 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 82436B | DATE 03NOV11 | PART NO. AE08058187 | SHEET 67E

Figure 670 Connector Composites (4831), (4833A), (4833B), (4833C)

https://truckmanualshub.com/

13.154. CONNECTOR COMPOSITES (4840), (4840F), (4841), (4841F), P. 67F

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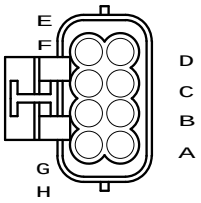
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

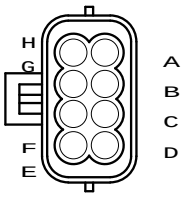
SCR INTERCONNECTION (4840)
(LOCATED ABOVE TRANSMISSION)



CONNECTOR 3525872C1
BODY LOCK 3525873C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K5E(-)	18	LT GN	1661875C1	3568570C1
B	K5E(+)	18	YL	1661875C1	3568570C1
C	PLUG	_	_	1661875C1	3568570C1
D	PLUG	_	_	1661875C1	3568570C1
E	PLUG	_	_	1661875C1	3568570C1
F	PLUG	_	_	1661875C1	3568570C1
G	41	20	TN	1661875C1	3568570C1
H	110-G	20	GY	1661875C1	3568570C1

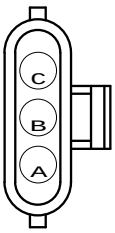
ENGINE INTERCONNECTION (4840F)
(LOCATED ABOVE TRANSMISSION)



CONNECTOR 3525874C1
BODY LOCK 3525875C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K5DF(-)	18	GN	1667742C1	3568570C1
B	K5DF(+)	18	YL	1667742C1	3568570C1
C	PLUG	_	_	1667742C1	3568570C1
D	PLUG	_	_	1667742C1	3568570C1
E	PLUG	_	_	1667742C1	3568570C1
F	PLUG	_	_	1667742C1	3568570C1
G	41	18	TN	1667742C1	3568570C1
H	110-G	18	GY	1667742C1	3568570C1

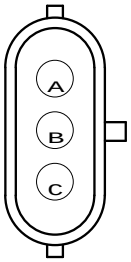
SCR POWER (4841)
(LOCATED ABOVE TRANSMISSION)



CONNECTOR 1667733C1
BODY LOCK 1667734C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K14LA	12	RD	1667737C1	1671603C1
B	K10-GU	12	WH	1667737C1	1671603C1
C	K14P	12	RD	1667737C1	1671603C1

ENGINE INTERCONNECTION (4841F)
(LOCATED ABOVE TRANSMISSION)



CONNECTOR 1667732C1
BODY LOCK 1667734C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K14L	12	RD	2025424C1	1671603C1
B	K10-GW	12	WH	2025424C1	1671603C1
C	K14PR	12	RD	2025424C1	1671603C1

CHK	DATE	CHANGE	REV.	REFERENCE
0488	24JAN14	INITIAL RELEASE.	A	92372W

DRAWN MJV0367
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92372W
DATE 16DEC13
PART NO. AE08058187
SHEET 67F

Figure 671 Connector Composites (4840), (4840F), (4841), (4841F)

https://truckmanualshub.com/

13.155. CONNECTOR COMPOSITES (4705), (4706), (4905), (4906), P. 68

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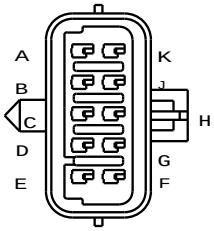
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

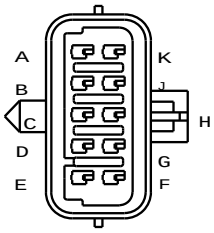
BODY BUILDER CONNECTOR
(4705)



CONNECTOR 3538634C1
BODY LOCK 3538636C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K92A15	18	TN	1667742C1	1661872C1
B	K92A11	18	TN	1667742C1	3568570C1
C	K92A12	18	TN	1667742C1	3568570C1
D	K92A13	18	TN	1667742C1	3568570C1
E	K92A9	18	TN	1667742C1	3568570C1
F	K92A10	18	TN	1667742C1	3568570C1
G	K92A8	18	TN	1667742C1	3568570C1
H	K92A16	18	TN	1667742C1	3568570C1
J	K92A17	18	TN	1667742C1	3568570C1
K	PLUG	.	.	2025431C1	.

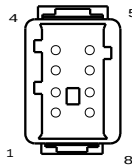
BODY BUILDER CONNECTOR
(4706)



CONNECTOR 3538634C1
BODY LOCK 353636C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K92A5	18	TN	1661875C1	3568570C1
B	K92A4	18	TN	1661875C1	1661872C1
C	K92A3	18	TN	1661875C1	3568570C1
D	K92A14	18	TN	1661875C1	3568570C1
E	K92A2	18	TN	1661875C1	3568570C1
F	K92A6	18	TN	1661875C1	3568570C1
G	K92A7	18	TN	1661875C1	3568570C1
H	K92A1	18	TN	1661875C1	3568570C1
J	PLUG	.	.	2025431C1	.
K	PLUG	.	.	2025431C1	.

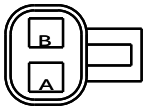
BODY BUILDER CONNECTOR 2 (4706)



CONNECTOR 3539140C1
BODY LOCK 3539145C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K92A5	18	TN	3518961C1
2	K92A4	18	TN	3518961C1
3	K92A3	18	TN	3518961C1
4	K92A14	18	TN	3518961C1
5	K92A2	18	TN	3518961C1
6	K92A6	18	TN	3518961C1
7	K92A7	18	TN	3518961C1
8	K92A1	18	TN	3518961C1

AIR PARK SOLENOID (4905)
(LOCATED ON EXTERIOR DASH NEAR DCM)

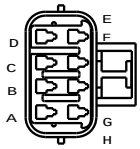


CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M44Y	16	GY	2033819C1	1652325C1
B*	M44W	16	WH	2033819C1	1652325C1
B*	M44-GW	16	WH	2033819C1	1652325C1

* MUTUALLY EXCLUSIVE

WHEEL CHAIR INTERLOCK (4906)
(LOCATED ON EXTERIOR DASH NEAR IP / FORWARD PASSTHRU)



CONNECTOR 3525872C1
BODY LOCK 3525873C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M44W	16	WH	1661875C1	1661872C1
B	M92#101	18	TN	1661875C1	3568570C1
C	PLUG	.	.	202543C1	.
D	M92#103	18	TN	1661875C1	3568570C1
E	M11-GW	16	WH	1661875C1	1661872C1
F	PLUG	.	.	202543C1	.
G	M89AR	18	PK	1661875C1	3568570C1
H	M89CE	18	PL	1661875C1	3568570C1

CHK	DATE	CHANGE	REV	REFERENCE
DLV1	28APR10	ADDED CONN 4705 AND	B	62476L
	4706.			

DRAWN 310615

NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V

DATE 09JUN09

PART NO. AE08058187

SHEET 068

Figure 672 Connector Composites (4705), (4706), (4905), (4906)

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13.156. CONNECTOR COMPOSITES (4906C), (4950), (4951), (4952), (4953), P. 68A

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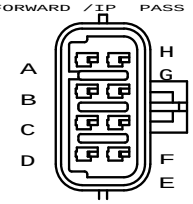
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

WHEEL CHAIR INTERLOCK
(4906C)
(LOCATED ON EXTERIOR DASH NEAR FORWARD /IP PASS THRU)

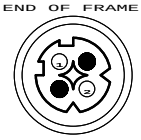


CONNECTOR 3525874C1
BODY LOCK 3525875C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M44J	18	WH	1667742C1	1661872C1
A*	M44J	18	WH	1667742C1	1661872C1
B	M92C	18	TN	1667742C1	1661872C1
C	PLUG	-	-	202543C1	-
D	M92C	18	TN	1667742C1	1661872C1
E	M44J	18	WH	1667742C1	1661872C1
E*	M44J	18	GY	166742C1	1661872C1
F	PLUG	-	-	202543C1	-
G	PLUG	-	-	202543C1	-
H	PLUG	-	-	202543C1	-

* WHEEL CHAIR LIFT INTERLOCK

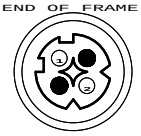
BENDIX AUTO TRACTION CONTROL
(4950)
(LOCATED AT END OF FRAME AT REAR AXLE)



CONNECTOR 3678796C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	R94BD	16	BN	3679224C1	3601687C1
2	R94BE	16	YL	3679224C1	3601687C1

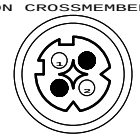
WABCO AUTO TRACTION CONTROL
(4951)
(LOCATED AT END OF FRAME AT REAR AXLE)



CONNECTOR 3710092C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	[R94WX]	18	BN	ASSY
2	[R94WZ]	18	BL	ASSY

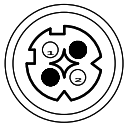
BENDIX ATC ECE ADR
(4952)
(LOCATED ON CROSSMEMBER OF REAR AXLE)



CONNECTOR 3678796C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	R94BD	16	BN	3679224C1	3601687C1
2	R94BE	16	YL	3679224C1	3601687C1

BENDIX ATC ECE ADR
(4953)
(LOCATED ON CROSSMEMBER OF REAR AXLE



CONNECTOR 3678796C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	R94BD	16	BN	3679224C1	3601687C1
2	R94BE	16	YL	3679224C1	3601687C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	ADDED CIRC M44J TO	C	92603H
		CAV A AND E.		

DRAWN 360070 — NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 62476L — DATE 19NOV09 — PART NO. AE08058187 — SHEET 68A

Figure 673 Connector Composites (4906C), (4950), (4951), (4952), (4953)

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13.157. CONNECTOR COMPOSITES (5117), (5200), (5500A), P. 68B

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

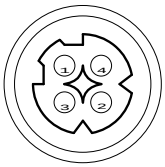
AIR SHIELD LIGHT CONN
(5117)
(LOCATED IN UPPER LEFT SIDE OF SLEEPER)

CONNECTOR 1661889C1
BODY LOCK 1661890C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	BLACK	16	BK	1661261C1	-
B	WHITE	16	WH	1661261C1	-
C	-	-	-	-	-

W/ DURASTAR

COOLANT FLOW VALVE
(5200)



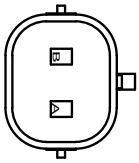
CONNECTOR 3714731C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K95AB	20	TN	3601686C1	3733609C1
2	PLUG	-	-	3532129C1	-
3	PLUG	-	-	3532129C1	-
4	K95AA	20	TN	3601686C1	3733609C1
4*	K23-G2	20	TN	3601686C1	3733609C1

W/ DURASTAR

* W/CUMMINS ISB ENGINE

POWERTRAIN/CENTER CHASSIS WIF CONN
(5500A)
(LOCATED IN CHASSIS)



CONNECTOR 3543888C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A	N95	16	TN	1667742C1	1661872C1
B	N95-G	16	WH	1667742C1	1661872C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	24MAR15	ADDED R/D 5500A, CIRC	D	92927M	360070	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	K23-G IN R/D 5200.				RELEASE NO. 62476L	DATE 19NOV09 / PART NO. AE08058187 / SHEET 68B

Figure 674 Connector Composites (5117), (5200), (5500A)

https://truckmanualshub.com/

13.158. CONNECTOR COMPOSITES (6000), P. 68C

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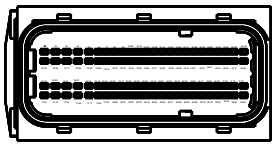
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ECM
(6000)
(LOCATED IN LEFT SIDE OF ENGINE)



CONNECTOR 3945694C1
BODY LOCK 3743662C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K14A5	16	RD	3743666C1
2	PLUG	-	-	3744547C1
3	K95-GB	16	TN	3743666C1
4	PLUG	-	-	3744547C1
5	K13B	18	PK	3743666C1
6	K95F	20	TN	3743668C1
7	K95-GA	20	TN	3743668C1
8*	K6A	20	GY	3743668C1
8#	K6A	20	PL	3743668C1
9	K97C	20	PL	3743668C1
10	K99B	20	PL	3743668C1
11	PLUG	-	-	3744547C1
12	K46B	20	GY	3743668C1
13	K95	20	TN	3743668C1
14**	K95KA	20	TN	3743668C1
15**	K95KB	20	TN	3743668C1
16	K95K	20	TN	3743668C1
17	PLUG	-	-	3744547C1
18	PLUG	-	-	3744547C1
19	K46A	20	GY	3743668C1
20	PLUG	-	-	3744547C1
21	PLUG	-	-	3744547C1
22@	K5(+)	20	YL	3743668C1
22%	K5B(+)	20	YL	3743668C1
22**	K5D(+)	20	YL	3743668C1
22**	K5H(+)	20	YL	3743668C1
22##	K5A(+)	20	YL	3743668C1
23	PLUG	-	-	3744547C1
24	PLUG	-	-	3744547C1
25	K14A4	16	RD	3743666C1
26	K14A3	16	RD	3743666C1
27	K14A2	16	RD	3743666C1
28	K14A1	16	RD	3743666C1
29	PLUG	-	-	3744547C1
30	K97AR	20	PL	3743668C1
31	PLUG	-	-	3744547C1
32	K9A	20	GY	3743668C1
33	K97B	20	PL	3743668C1
34	PLUG	-	-	3744547C1
35	K34	20	TN	3743668C1
36	PLUG	-	-	3744547C1
37	PLUG	-	-	3744547C1

** W/CUMMINS ISB ENGINE
W/J1939 EATON PROCISION XMSN

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
38	K95B	20	TN	3743668C1
39	K95A1	20	TN	3743668C1
40	K95C	20	TN	3743668C1
41	K95	20	TN	3743668C1
42	K95A	20	TN	3743668C1
43	PLUG	-	-	3744547C1
44	PLUG	-	-	3744547C1
45	PLUG	-	-	3744547C1
46@	K5(-)	20	GN	3743668C1
46%	K5B(-)	20	GN	3743668C1
46**	K5D(-)	20	GN	3743668C1
46**	K5H(-)	20	GN	3743668C1
46##	K5A(-)	20	GN	3743668C1
47	PLUG	-	-	3744547C1
48	PLUG	-	-	3744547C1
49	K10-GA	16	WH	3743666C1
50	K10-GB	16	WH	3743666C1
51	K10-GC	16	WH	3743666C1
52	K10-GD	16	WH	3743666C1
53	K95(-)	20	GN	3743668C1
54	K95E	20	TN	3743668C1
55	PLUG	-	-	3744547C1
56	PLUG	-	-	3744547C1
57	K95AA	20	TN	3743668C1
57**	K23-G1	20	TN	3743668C1
58	PLUG	-	-	3744547C1
59	K47C	20	GY	3743668C1
60	K47B	20	GY	3743668C1
61	K97N	20	PL	3743668C1
62@@	K9	20	GY	3743668C1
62%%	K9A	20	GY	3743668C1
63	K99A	20	PL	3743668C1
64	K97M	20	PL	3743668C1
65	K41A	20	TN	3743668C1
66	K97XG	20	GY	3743668C1
67	K99F	20	PL	3743668C1
68	PLUG	-	-	3744547C1
69	PLUG	-	-	3744547C1
70**	K97XC	20	TN	3743668C1
71	PLUG	-	-	3744547C1
72	PLUG	-	-	3744547C1
73	K10-GE	16	WH	3743666C1
74	PLUG	-	-	3744547C1
75	K18	18	PK	3743666C1
76	K18R	18	PK	3743666C1
77	K95(+)	20	YL	3743668C1
78**	K23	20	TN	3743668C1
79	K95D	20	TN	3743668C1
80	PLUG	-	-	3744547C1

* OEM SENSOR SUPPLY W/ BODY BUILDER
\# OEM SENSOR SUPPLY N/ BODY BUILDER
@ J1939 W/ MANUAL TRANSMISSION
% J1939 W/ ALLISON TRANSMISSION
@@ ECM RETURN N/ BODY BUILDER
%% ECM RETURN W/ BODY BUILDER

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
MJV0[illegible]	[illegible]MAR16	EATON PROCISION	F	93408J	MJV0195	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	WAS EPS				RELEASE NO. 92218B	DATE 30JUL13

PART NO. AE08058187 SHEET 68C

Figure 675 Connector Composites (6000)

https://truckmanualshub.com/

13.159. CONNECTOR COMPOSITES (6000), (6003), (6004), P. 68D

NAVISTAR, INC

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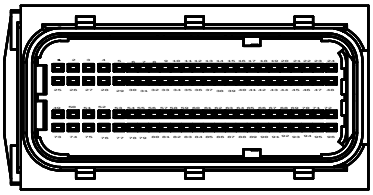
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

W/ DURASTAR

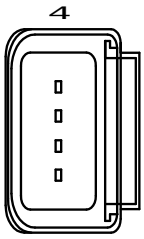
ECM
(6000)
(LOCATED IN LEFT SIDE OF ENGINE)



CONNECTOR 3945694C1
BODY LOCK 3743662C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
81	K95G	20	TN	3743668C1
82	K95AB	20	TN	3743668C1
83	K17	20	PK	3743668C1
84	K95MA	20	TN	3743668C1
85	K95MB	20	TN	3743668C1
86	PLUG	_	_	3744547C1
87	PLUG	_	_	3744547C1
88	PLUG	_	_	3744547C1
89	PLUG	_	_	3744547C1
90	K99B	20	PL	3743668C1
91	PLUG	_	_	3744547C1
92	PLUG	_	_	3744547C1
93	PLUG	_	_	3744547C1
94	K99C	20	PL	3743668C1
95	PLUG	_	_	3744547C1
96	PLUG	_	_	3744547C1

FORWARD / CENTER HAVC
TEMPERATURE SENDER / AC REMOTE
(6003)
(LOCATED AT BOTTOM OF
RECIRCULATION SHIELD)

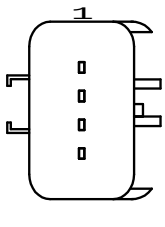


CONNECTOR 3820176C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	M41A	18	GY	3613771C1
2	M41B	18	GY	3613777C1
3	M77	18	BK	3613771C1
4	M77A	18	BK	3613771C1

W/ TRANSTAR

CENTER / FORWARD HVAC
TEMPERATURE SENSOR / AC REMOTE
(6004)
(LOCATED AT BOTTOM OF RECIRCULATION SHIELD)



CONNECTOR 3820175C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N41A	18	GY	3618272C1
2	N109A	18	GY	3618272C1
3	N77E	18	LTGN	3618272C1
4	N77F	18	LTGN	3618272C1

CHK	DATE	CHANGE	REV	REFERENCE
_	_	INITIAL RELEASE.	A	92372W

DRAWN: MJV0367
NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO.: 92372W
DATE: 16DEC13
PART NO.: AE08058187
SHEET: 68D

Figure 676 Connector Composites (6000), (6003), (6004)

https://truckmanualshub.com/

13.160. CONNECTOR COMPOSITES (6005), (6007), (6008), (6009), P. 68E

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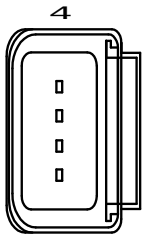
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

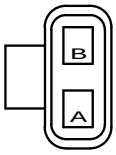
FORWARD / CENTER HAVC TEMPERATURE SENDER / AC REMOTE (6005) (LOCATED AT BOTTOM OF RECIRCULATION SHIELD)



CONNECTOR 3820176C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	M41	18	GY	3613771C1
2	M110AD	18	GY	3613771C1
3	M77	18	BK	3613771C1
4	M77A	18	BK	3613771C1

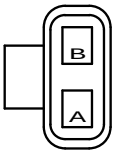
AC REMOTE CONDENSOR (6007) (LOCATED IN CAB)



CONNECTOR 3512967C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	N77B	12	RD	3679001C1
2	N77J	12	RD	3679001C1

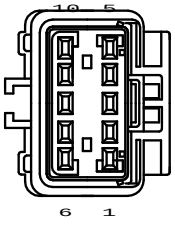
AC REMOTE CONDENSOR (6008) (LOCATED IN CAB)



CONNECTOR 3512967C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	N77A	12	RD	3679001C1
B	N77H	12	RD	3679001C1

AC REMOTE CONDENSOR DAY CAB (6009) (LOCATED IN CAB)



CONNECTOR 3690369C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N77K	14	LTGN	3613770C1
2	N77E	18	LTGN	3613771C1
3	N77L	14	LTGN	3613770C1
4	PLUG	-	-	-
5	N77C	18	LTGN	3613771C1
6	N77-GB	14	LTGN	3613770C1
7	N77F	18	LTGN	3613771C1
8	N77-GC	14	LTGN	3613770C1
9	PLUG	-	-	-
10	N77D	18	LTGN	3613771C1

CHK	DATE	CHANGE	REV	REFERENCE
-	-	INITIAL RELEASE.	A	92372W

DRAWN MJV0367

NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 92372W

DATE 16DEC13

PART NO. AE08058187

SHEET 68E

Figure 677 Connector Composites (6005), (6007), (6008), (6009))

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13.161. CONNECTOR COMPOSITES (6011), P. 69

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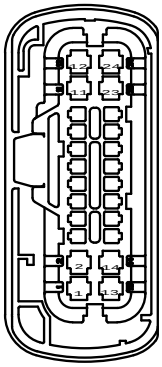
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

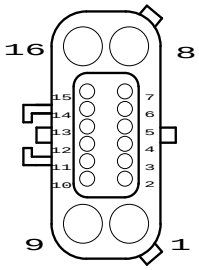
ENGINE / MELROSE
(6011)
(LOCATED ON THE LEFT SIDE OF ENGINE)



CONNECTOR 3857801C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K97AZ	14	PL	3613770C1
2#	K97BA	14	GY	3613770C1
2	K19-BA	14	GY	3613770C1
3*	K97A-G	18	PL	3857802C1
3**	K97A-G	18	WH	3857802C1
4	K97AS	18	PL	3857802C1
5	K97KG	20	PL	3860055C1
5##	K97KG	18	PL	3857802C1
6	K97KH	20	PL	3860055C1
6##	K97KH	18	PL	3857802C1
7	K97KJ	20	PL	3860055C1
7##	K97KJ	18	PL	3857802C1
8	K97KK	20	PL	3860055C1
8##	K97KK	18	PL	3857802C1
9	K97KL	20	PL	3860055C1
9##	K97KZ	18	PL	3857802C1
10	K97KM	20	PL	3860055C1
10##	K97KM	18	PL	3857802C1
11	K19-G	14	GY	3613770C1
12	K97-GB	14	WH	3613770C1
13	K97UC	16	PL	3613770C1
14	K97AX	18	PL	3613771C1
15	K97KN	20	PL	3860055C1
15##	K97KN	18	PL	3857802C1
16	K97KP	20	PL	3860055C1
16##	K97KP	18	PL	3857802C1
17	K97KR	20	PL	3860055C1
17##	K97KR	18	PL	3857802C1
18	K97KS	20	PL	3860055C1
18##	K97KS	18	PL	3857802C1
19	K97KT	20	PL	3860055C1
19##	K97KT	18	PL	3857802C1
20	K97KV	16	PL	3857802C1
21	K5A(+)	18	YL	3857802C1
22	K5A(-)	18	GN	3857802C1
23	K97B-G	16	WH	3613770C1
24	PLUG	-	-	3857803C1

ENGINE / MELROSE
(6011)
(LOCATED ON THE LEFT SIDE OF ENGINE)



CONNECTOR 3849648C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K19-GM	14	GY	3850092C1	3578677C1
2	PLUG	-	-	-	-
3	PLUG	-	-	-	-
4	PLUG	-	-	-	-
5	PLUG	-	-	-	-
6	K97T	18	PL	3850120C1	-
7	PLUG	-	-	-	-
8	K19BA	14	GY	3850092C1	3578677C1
9	K97-GH	14	WH	3850092C1	3578677C1
10	PLUG	-	-	-	-
11	PLUG	-	-	-	-
12	PLUG	-	-	-	-
13	PLUG	-	-	-	-
14	PLUG	-	-	-	-
15	PLUG	-	-	-	-
16	K97NC	14	PL	3850092C1	3578677C1

WITH V8 ENGINE

WITH I6 ENGINE

* AIR CLEANER LEFT SIDE
\# W/FUEL FILTER WIRING W/LOW/MID/HIGH CAB
** AIR CLEANER RIGHT SIDE
\## AFTERTREATMENT WIRING W/SCR

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	REVISED AND REDRAWN.	F	92603H

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 069

Figure 678 Connector Composites (6011)

https://truckmanualshub.com/

13.162. CONNECTOR COMPOSITES (6012), (6013), P. 69A

NAVISTAR, INC

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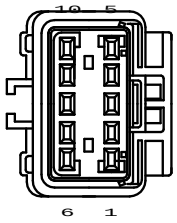
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

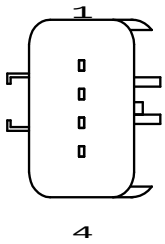
AC REMOTE CONDENSER EXT / CREW CAB
(6012)
(LOCATED IN CAB)



CONNECTOR 3690369C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N77K	14	LTGN	3613770C1
2	N77E	18	LTGN	3613771C1
3	N77L	14	LTGN	3613770C1
4	PLUG	-	-	3573076C1
5	N77C	18	LTGN	3613771C1
6	N77-GB	14	LTGN	3613770C1
7	N77F	18	LTGN	3613771C1
8	N77-GC	14	LTGN	3613770C1
9	PLUG	-	-	3573076C1
10	N77D	18	LTGN	3613771C1

CENTER / REAR HVAC TEMP SENDER
(6013)
(LOCATED BETWEEN REAR AND CENTER CHASSIS HARNESS)



CONNECTOR 3820175C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N41A	18	GY	3618272C1
2	N109A	18	GY	3618272C1
3	PLUG	-	-	3573076C1
4	PLUG	-	-	3573076C1

ENGINE AMBIENT TEMP SENSOR
(6013)
(LOCATED NEAR ENGINE)

CONNECTOR 3522068C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M41D	18	GY	1661875C1	1661872C1
B	M41E	18	GY	1661872C1	1661872C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0610	12NOV13	ADDED R/D 6013.	B	92218B	U00LXD2	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 68076W	DATE 14SEP10
					PART NO. AE08058187	SHEET 69A

Figure 679 Connector Composites (6012), (6013)

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13.163. CONNECTOR COMPOSITES (6018), P. 70

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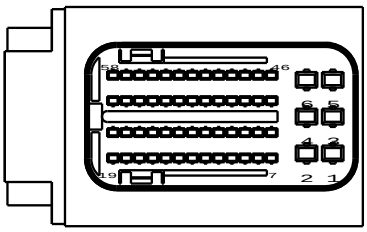
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

ECM
(6018)
(LOCATED ON LEFT SIDE OF ENGINE)



CONNECTOR 3687798C1
BODY LOCK1 3687805C1
BODY LOCK2 3687806C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K14G	14	RD	3687802C1	3624233C1
2	K92A16	14	WH	3687802C1	3624233C1
3	K14HA	14	RD	3687802C1	3624233C1
4	K92BA16	14	WH	3687802C1	3624233C1
5	K14KA	14	RD	3687802C1	3624233C1
6	K92C16	14	WH	3687802C1	3624233C1
7	-	-	-	-	-
8*	K34-GA	18	WH	3687804C1	-
8*	K23B1	18	WH	3687804C1	-
8*	K92A20A	18	WH	3687804C1	-
9	K41-GA	18	WH	3687804C1	-
10	PLUG	-	-	-	-
11	K97N	18	PL	3687804C1	-
12	PLUG	-	-	-	-
13	K92A5	18	TN	3687804C1	-
14	PLUG	-	-	3623614C1	-
15	K41A	18	TN	3687804C1	-
16	PLUG	-	-	-	-
17	K13A	18	PK	3687804C1	-
18*	K23-G	18	TN	3687804C1	-
18#	K23-G	18	WH	3687804C1	-
19	K14L	18	RD	3687804C1	-
20	PLUG	-	-	-	-
21	K41-GB	18	WH	3687804C1	-
22	PLUG	-	-	-	-
23	K97B	18	PL	3687804C1	-
24	K92A3	18	TN	3687804C1	-
25	PLUG	-	-	-	-
26	PLUG	-	-	-	-
27	PLUG	-	-	-	-
28	PLUG	-	-	-	-
29	PLUG	-	-	-	-
30	K23	18	TN	3687804C1	-

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
31	PLUG	-	-	3623614C1	-
32	PLUG	-	-	3623614C1	-
33	K95VC	18	TN	3687804C1	-
34	K5S106	20	YL	3754235C1	-
34	K5R106	20	YL	3754235C1	-
34**	K5S(+)	20	YL	3754235C1	-
34##	K5S128	20	YL	3754235C1	-
34@	K5R128	20	YL	3754235C1	-
35	K98GN	20	GN	3754235C1	-
36	K97C	18	PL	3687804C1	-
37	K92A4	18	TN	3687804C1	-
38	PLUG	-	-	3623614C1	-
39	K95VE	18	TN	3687804C1	-
40	K95VIR	18	WH	3687804C1	-
41	PLUG	-	-	-	-
42*	K23	18	TN	3687804C1	-
42#	K34B	18	TN	3687804C1	
43	PLUG	-	-	3623614C1	-
44	K41B	18	TN	3687804C1	-
45	PLUG	-	-	3623614C1	-
46	K95VB	18	TN	3687804C1	-
47	K5S127	20	GN	3754235C1	-
47	K5R117	20	GN	3754235C1	-
47#	K53108	18	TN	3687804C1	-
47**	K5S(-)	18	GN	3754235C1	-
47##	K5S108	20	GN	3754235C1	-
47@	K5R108	20	GN	3754235C1	-
48	K98YL	20	YL	3754235C1	-
49*	K23A1	18	TN	3687804C1	
50	K99D	18	PL	3687804C1	-
51	PLUG	-	-	3623614C1	-
52	K95VA	18	TN	3687804C1	-
53	K95VD	18	TN	3687804C1	-
54	K41C	18	TN	3687804C1	-
55	PLUG	-	-	-	-
56	K92A17	18	TN	3687804C1	-
57	K92A16	18	TN	3687804C1	
58	K23C	18	TN	3687804C1	-

* W/ VARIABLE SPEED FAN
\# W/ 2 SPEED FAN
** W/ ULTRASHIFT & AUTOSHIFT TRANSMISSION
W/ ALLISON TRANSMISSION
@ W/ ALLISON TC10 TRANSMISSION

CHK	DATE	CHANGE	REV	REFERENCE
0488	09SEP15	REVISED AND REDRAWN.	E	93248U

DRAWN 310615 — NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V — DATE 09JUN09 — PART NO. AE08058187 — SHEET 070

Figure 680 Connector Composites (6018)

https://truckmanualshub.com/

13.164. CONNECTOR COMPOSITES (6019), P. 71

NAVISTAR, INC

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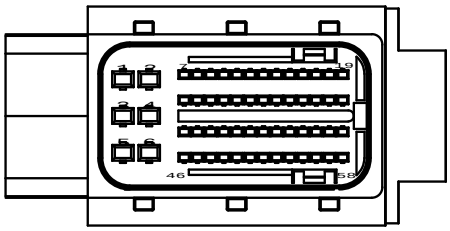
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITE - MATING VIEW SHOWN

ECM CONNECTOR
(6019)
(LOCATED ON LEFT SIDE OF ENGINE)



CONNECTOR 3687797C1
BODY LOCK1 3687805C1
BODY LOCK1 3687806C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K14M	14	RD	3687802C1	3624233C1
2	K92D16	14	WH	3687802C1	3624233C1
3	PLUG	-	-	3623614C1	-
4	PLUG	-	-	3623614C1	-
5	PLUG	-	-	3623614C1	-
6#	K23	18	TN	3689959C1	3623615C1
7#	K97A	18	PL	3687804C1	-
8	PLUG	-	-	3623614C3	-
9	K92A8	18	TN	3687804C1	-
10	K92A7	18	TN	3687804C1	-
11	PLUG	-	-	3623614C1	-
12	PLUG	-	-	3623614C1	-
13	K92A1	18	TN	3687804C1	-
14	PLUG	-	-	3623614C1	-
15	K92A6	18	TN	3687804C1	-
16	K97Y	18	TN	3687804C1	-
17	K92A14	18	TN	3687804C1	-
18	PLUG	-	-	3623614C1	-
19	PLUG	-	-	3623614C1	-
20#	K97	18	PL	3687804C1	
21	PLUG	-	-	3623614C1	-
22	PLUG	-	-	3623614C1	-
23	K92A9	18	TN	3687804C1	-
24	PLUG	-	-	3623614C1	-
25	PLUG	-	-	3623614C1	-
26	PLUG	-	-	3623614C1	-
27	PLUG	-	-	3623614C1	-
28	K92A2	18	TN	3687804C1	-
29	PLUG	-	-	3623614C1	-
30*	K92A10	18	TN	3687804C1	-
30*	K47T	18	GY	3687804C1	-

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
31	PLUG	-	-	3623614C1	-
32	PLUG	-	-	3623614C1	-
33	PLUG	-	-	3623614C1	-
34	K95-GF	18	WH	3687804C1	-
35	K92A12	18	TN	3687804C1	-
36	PLUG	-	-	3623614C1	-
37	K95W	18	TN	3687804C1	-
38	PLUG	-	-	3623614C1	-
39	PLUG	-	-	3623614C1	-
40	PLUG	-	-	3623614C1	-
41	PLUG	-	-	3623614C2	-
42	PLUG	-	-	3623614C3	-
43	K41E	18	TN	3687814C1	-
44	PLUG	-	-	3623614C1	-
45	PLUG	-	-	3623614C1	-
46	K92A19	18	TN	3623614C1	-
47	PLUG	-	-	3623614C1	-
48*	K92A11	18	TN	3687804C1	-
48*	K92A18	18	TN	3687804C1	-
49	K34D	18	TN	3687804C1	-
50	K95S	18	TN	3687804C1	-
51	PLUG	-	-	3623614C1	-
52	K92A13	18	TN	3687804C1	-
53	PLUG	-	-	3623614C1	-
54	K99B	18	PL	3687804C1	-
55	K97M	18	PL	3687804C1	-
56	PLUG	-	-	3623614C1	-
57	PLUG	-	-	3623614C1	-
58	PLUG	-	-	3623614C1	-

* MUTUALLY EXCLUSIVE
\# W/ 2015 OBD & GHG COMPLIANT

CHK	DATE	CHANGE	REV	REFERENCE
0239	20FEB14	ADDED CIRC IN CAV 6,7	D	92524A
	AND 20.			

DRAWN 310615 — NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V — DATE 09JUN09 — PART NO. AE08058187 — SHEET 071

Figure 681 Connector Composites (6019)

https://truckmanualshub.com/

13.165. CONNECTOR COMPOSITES (6020M), P. 71A

NAVISTAR, INC

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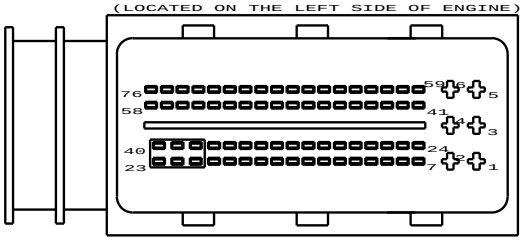
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ECM (6020M)
(LOCATED ON THE LEFT SIDE OF ENGINE)



CONNECTOR 3612247C1
BODY LOCK1 3612248C1
BODY LOCK2 3612249C1

W/ I6 NGINE

@ W/ ALLISON
# W/ MANUAL XMSN
@@ W/ GEN4
** W/ EATON AUTOSHIFT
* MUTUALLY EXCLUSIVE
W/ ALLISON W/ AUTO NEUTRAL
% W/ ENGINE BODY CONTROL - 12VYL
(ACC WIRING SPECIAL ROAD SPEED WIRE)
%% W/ ENGINE BODY CONTROL - 12VZA
(REMOTE CONTROL PTO MAXFORCE ENGINES)
& W/I6 2010 SCR ENGINE
&& W/ 12 VZA , I6 2010 SCR ENGINE
&&&W/ 12 VYL , I6 2010 SCR ENGINE

CHART CONT ON SHEET 072.

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K97FA	14	PL	3613275C1	3509903C1
2	K97-GV	14	WH	3613275C1	3509903C1
3	K97FB	14	PL	3613275C1	3509903C1
4	K97-GW	14	WH	3613275C1	3509903C1
5	K97FC	14	PL	3613275C1	3509903C1
6	K97-GX	14	WH	3613275C1	3509903C1
7*	K17M	18	PK	3612254C1	-
7*	K17L	18	PK	3612254C1	-
7&	K17MA	18	PK	3612254C1	-
8	K95K	18	TN	3612254C1	-
9&	K97FT	18	PL	3612254C1	-
10@	K3A(-)	18	GY	3612254C1	-
10**	K3AB(-)	18	GY	3612254C1	-
11	K97XC	18	PL	3612254C1	-
12	PLUG	-	-	3612253C1	-
13	PLUG	-	-	3612253C1	-
14	PLUG	-	-	3612253C1	-
15	PLUG	-	-	3612253C1	-
16	K97CB	18	PL	3612254C1	-
17	PLUG	-	-	3612253C1	-
18	PLUG	-	-	3612253C1	-
19	PLUG	-	-	3612253C1	-
20	PLUG	-	-	3612253C1	-
21	K97SE	18	PL	3612254C1	-
22	K97EW	18	PL	3612254C1	-
23	PLUG	-	-	3612253C1	-
24	PLUG	-	-	3612253C1	-
25@	K3A(+)	18	DKBL	3612254C1	-
25**	K3AB(+)	18	DKBL	3612254C1	-
26	K97AX	18	PL	3612254C1	-
27%%	K97FV	18	PL	3612254C1	-
28	PLUG	-	-	3612253C1	-
29	K97E	18	PL	3612254C1	-
30	PLUG	-	-	3612253C1	-
31	K97UB	18	PL	3612254C1	-
32	PLUG	-	-	3612253C1	-
33	K99B	18	PL	3612254C1	-
34	K97B	18	PL	3612254C1	-
35&&	K97WT	18	PL	3612254C1	-
35&&&	K97ST	18	PL	3612254C1	-
36&	K97WB	18	PL	3612254C1	-
37	K95SA	18	PL	3612254C1	-
38	PLUG	-	-	3612253C1	-
39	PLUG	-	-	3612253C1	-
40	PLUG	-	-	3612253C1	-

CHK	DATE	CHANGE	REV	REFERENCE
0488	09SEP15	REVISED AND REDRAWN.	B	93248U

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 71A

Figure 682 Connector Composites (6020M)

https://truckmanualshub.com/

13.166. CONNECTOR COMPOSITES (6020M), P. 72

NAVISTAR, INC

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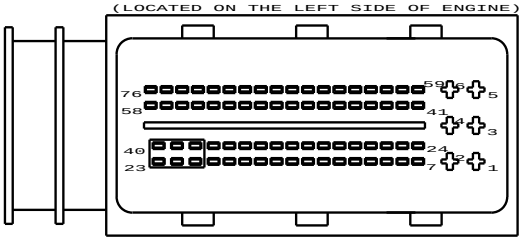
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ECM (6020M)
(LOCATED ON THE LEFT SIDE OF ENGINE)



CONNECTOR 3612247C1
BODY LOCK1 3612248C1
BODY LOCK2 3612249C1

W/ I6 NGINE

@ W/ ALLISON
# W/ MANUAL XMSN
@@ W/ GEN4
** W/ EATON AUTOSHIFT
* MUTUALLY EXCLUSIVE
W/ ALLISON W/ AUTO NEUTRAL
% W/ ENGINE BODY CONTROL - 12VYL
(ACC WIRING SPECIAL ROAD SPEED WIRE)
%% W/ ENGINE BODY CONTROL - 12VZA
(REMOTE CONTROL PTO MAXFORCE ENGINES)
& W/I6 2010 SCR ENGINE
&& W/ 12 VZA , I6 2010 SCR ENGINE
&&&W/ 12 VYL , I6 2010 SCR ENGINE

CHART CONT FROM SHEET 71A.

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
41	PLUG	_	_	3612253C1	_
42*	K34A	18	TN	3612254C1	_
42*	K34B	18	TN	3612254C1	_
43	PLUG	_	_	3612253C1	_
44	PLUG	_	_	3612253C1	_
45	K97UD	18	GY	3612254C1	_
46	PLUG	_	_	3612253C1	_
46&	K97AN	18	LTGN	3612254C1	_
47	PLUG	_	_	3612253C1	_
47&	K10S	18	GY	3612254C1	_
48	K97M	18	PL	3612254C1	_
49	K46A	18	GY	3612254C1	_
50	K99F	18	PL	3612254C1	_
51	PLUG	_	_	3612253C1	_
52	PLUG	_	_	3612253C1	_
53	K47A	18	GY	3612254C1	_
54#	K47	18	GY	3612254C1	_
54@	K47#125	18	TN	3612254C1	_
54*	K47B125	18	TN	3612254C1	_
54*	K47A125	18	TN	3612254C1	_
55	PLUG	_	_	3612253C1	_
56	PLUG	_	_	3612253C1	_
57	PLUG	_	_	3612253C1	_
58	K23B	18	TN	3612254C1	_
59	PLUG	_	_	3612253C1	_
60	K97CC	18	PL	3612254C1	_
61	K5B(+)	18	YL	3612254C1	_
62	K5B(-)	18	GN	3612254C1	_
63	K97C	18	PL	3612254C1	_
64	PLUG	_	_	3612253C1	_
65#	K17E	18	PK	3612254C1	_
65**	K17F	18	PK	3612254C1	_
65&	K92A141	18	TN	3612254C1	_
66	PLUG	_	_	3612253C1	_
67	PLUG	_	_	3612253C1	_
68	K46B	18	GY	3612254C1	_
69	PLUG	_	_	3612253C1	_
70	K97J	18	PL	3612254C1	_
71	K97AR	18	PL	3612254C1	_
72%%	K47B	18	GY	3612254C1	_
72%	K47T	18	GY	3612254C1	_
73	PLUG	_	_	3612253C1	_
74	PLUG	_	_	3612253C1	_
75	PLUG	_	_	3612253C1	_
76	K97KU	18	PL	3612253C1	_

CHK	DATE	CHANGE	REV	REFERENCE
0488	09SEP15	REVISED AND REDRAWN.	E	93248U

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 072

Figure 683 Connector Composites (6020M)

https://truckmanualshub.com/

13.167. CONNECTOR COMPOSITES (6020M), P. 72A

NAVISTAR, INC

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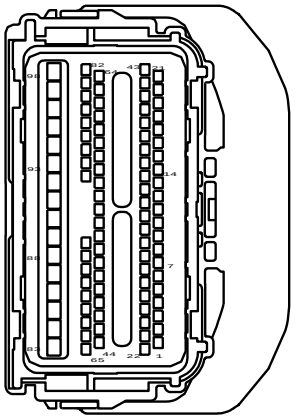
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

W/ V8 NGINE

ECM (6020M)
(LOCATED ON THE LEFT SIDE OF ENGINE)



CONNECTOR 6086794C1

* W/ MANUAL XMSN
@ W/ GEN4
& W/ AUTO NEUTRAL
# MUTUALLY EXCLUSIVE
@@ W/ ALLISION XMSN

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K5G(+)	18	YL	6086793C1
2	PLUG	-	-	6086793C1
3	PLUG	-	-	6086793C1
4	K97B	18	PL	6086791C1
5	K97NN	18	TN	6086791C1
6	K97M	18	PL	6086791C1
7	K95KK	18	TN	6086791C1
8	K34AA	18	TN	6086791C1
9	K97T	18	PL	6086791C1
10	PLUG	-	-	6086793C1
11	PLUG	-	-	6086793C1
12	PLUG	-	-	6086793C1
13	K97CC	18	PL	6086791C1
14	K59A	18	GY	6086793C1
15	PLUG	-	-	6086793C1
16	PLUG	-	-	6086793C1
17	PLUG	-	-	6086793C1
18	PLUG	-	-	6086793C1
19	PLUG	-	-	6086793C1
20	PLUG	-	-	6086791C1
21	PLUG	-	-	6086793C1
22	K5G(-)	18	GN	6086793C1
23	PLUG	-	-	6086793C1
24	PLUG	-	-	6086793C1
25	K95C	18	PL	6086791C1
26	K97JT	18	TN	6086791C1
27	PLUG	-	-	6086791C1
28	PLUG	-	-	6086793C1
29	K95LL	18	TN	6086793C1
30	PLUG	-	-	6086791C1
31	K3A(-)	18	GY	6086791C1
32	K3A(+)	18	DKBL	6086791C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
33	PLUG	-	-	6086793C1
34	K97XC	18	PL	6086791C1
35	K97SE	18	PL	6086791C1
36	PLUG	-	-	6086793C1
37	PLUG	-	-	6086793C1
38	PLUG	-	-	6086793C1
39	PLUG	-	-	6086793C1
40	PLUG	-	-	6086793C1
41	K97EW	18	PL	6086791C1
42	PLUG	-	-	6086793C1
43	PLUG	-	-	6086793C1
44	PLUG	-	-	6086793C1
45	PLUG	-	-	6086793C1
46	K97WA	18	PL	6086791C1
47	K97WC	18	PL	6086791C1
48	K47A	18	GY	6086791C1
49	PLUG	-	-	6086793C1
50	PLUG	-	-	6086793C1
51	K95HH	18	TN	6086791C1
52	PLUG	-	-	6086793C1
53	K5B(+)	18	YL	6086791C1
54	K5B(-)	18	GN	6086791C1
55	PLUG	-	-	6086793C1
56	PLUG	-	-	6086793C1
57	PLUG	-	-	6086793C1
58	K23C	18	TN	6086791C1
59	PLUG	-	-	6086793C1
60*	K17E	18	PK	6086791C1
60&	K17B	18	PK	6086791C1
60@	K92#141	18	TN	6086791C1

CHART CONTINUED ON SHEET 72B

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	30SEP10	CHARTS REVISED.	B	68076W

DRAWN 310775
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 62476L
DATE 10DEC09
PART NO. AE08058187
SHEET 72A

Figure 684 Connector Composites (6020M)

https://truckmanualshub.com/

13.168. CONNECTOR COMPOSITES (6020M), P. 72B

NAVISTAR, INC

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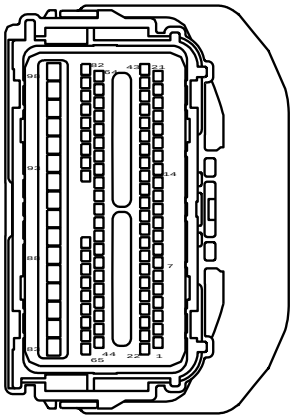
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CHART CONTINUED FROM SHEET 72A

w/ V8 NGINE

ECM (6020M)
(LOCATED ON THE LEFT SIDE OF ENGINE)



CONNECTOR 6086794C1

* W/ MANUAL XMSN
@ W/ GEN4
& W/ AUTO NEUTRAL
# MUTUALLY EXCLUSIVE
@@ W/ ALLISION XMSN

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
63	K97JC	18	PL	6086791C1
64	K17M	18	PK	6086791C1
65	PLUG	-	-	6086793C1
66	PLUG	-	-	6086793C1
67	K97FU	18	PL	6086791C1
68	K97FV	18	PL	6086791C1
69*	K47	18	GY	6086791C1
69@@	K47A125	18	TN	6086791C1
69#	K47B125	18	TN	6086791C1
69#	K47#125	18	TN	6086791C1
70	PLUG	-	-	6086793C1
71	PLUG	-	-	6086793C1
72	K99B	18	PL	6086791C1
73	K95JJ	18	TN	6086793C1
74	K99F	18	PL	6086791C1
75	K46A	18	GY	6086791C1
76	PLUG	-	-	6086793C1
77	K46B	18	GY	6086791C1
78	PLUG	-	-	6086793C1
79	K97CB	18	PL	6086791C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
80	PLUG	-	-	6086793C1
81	PLUG	-	-	6086793C1
82	PLUG	-	-	6086793C1
83	K97ND	16	PL	3686944C1
84	K97NE	16	PL	3686944C1
85	K97NF	16	PL	3686944C1
86	K97-GL	18	WH	3686794C1
87	K97-GK	18	WH	3686943C1
88	K97-GM	18	WH	3686943C1
89#	K47B	18	GY	3686943C1
89#	K47T	18	GY	3686943C1
90	PLUG	-	-	6086793C1
91	K23L	18	TN	3686943C1
92	K97AR	18	PL	3686943C1
93	PLUG	-	-	6086793C1
94	PLUG	-	-	6086793C1
95	PLUG	-	-	6086793C1
96	PLUG	-	-	6086793C1
97	K97UB	18	PL	3686943C1
98	K14KA	18	RD	3686943C1

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	30SEP10	ADDED CIRC K95JJ.	B	68076W

DRAWN 310775
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 62476L
DATE 10DEC09
PART NO. AE08058187
SHEET 72B

Figure 685 Connector Composites (6020M)

https://truckmanualshub.com/

13.169. CONNECTOR COMPOSITES (6022), (6023), (6033), P. 73

NAVISTAR, INC

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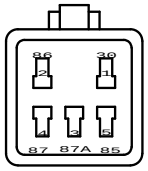
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ECM POWER RELAY
(6022)
(LOCATED NEAR THE IP / ENGINE INTERCONNECTION)

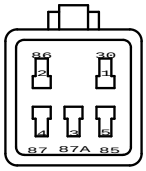


CONNECTOR 3512331C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K97XA	10	PL	3512334C1	0589390C1
2	K97XB	16	VT	2039343C1	1652325C1
3	PLUG	-	-	0587579C1	-
4	K97F	10	PL	3512334C1	0589390C1
4*	K97N	10	PL	3512334C1	0589390C1
5	K97JA	18	PL	2039343C1	3517771C1
5*	K97JC	18	PL	2039343C1	3517771C1

* W/ V8 ENGINE

EGR / TURBO POWER RELAY
(6023)
(LOCATED NEAR THE IP / ENGINE INTERCONNECTION)

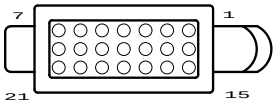


CONNECTOR 3512331C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K97HA	18	VT	2039343C1	1652325C1
1*	K97HA	10	PL	3512334C1	0589390C1
2	K97HB	18	PL	2039343C1	3517771C1
3	PLUG	-	-	0587579C1	-
4	K97A	10	PL	3512334C1	0589390C1
5	K97JB	18	VT	2039343C1	1652325C1

* W/ I6 2010 SCR ENGINE

ENGINE SENSOR INTERFACE
(6033)
(LOCATED NEAR ENGINE)



CONNECTOR 3803137C1
BODY LOCK1 3803139C1
BODY LOCK2 3803117C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K10-GJ	16	WH	3803140C1	3803134C1
2	K10-GK	16	WH	3803140C1	3803134C1
3	K14F	14	RD	3803140C1	3803134C1
4	K14FA	14	RD	3803140C1	3803134C1
5	K14A	18	TN	3803140C1	3803134C1
6	K14-GA	18	WH	3803140C1	3803134C1
7	K41B	18	TN	3803140C1	3803134C1
8	K41C	18	TN	3803140C1	3803134C1
9	K41-GB	18	WH	3803140C1	3803134C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
10**	K97	18	PL	3803140C1	3803134C1
11**	K97A	18	PL	3803140C1	3803134C1
12*	K47	18	GY	3803140C1	3803134C1
12#@	K47A125	18	TN	3803140C1	3803134C1
13	K47A	18	GY	3803140C1	3803134C1
14	K97Y	18	TN	3803140C1	3803134C1
15	K41D	16	TN	3803140C1	3803134C1
16	K5A(+)	18	YL	3803140C1	3803134C1
17	K5A(-)	18	GN	3803140C1	3803134C1
18	PLUG	-	-	3803138C1	-
19	K21B3	18	TN	3803140C1	3803134C1
20	K21B2	18	TN	3803140C1	3803134C1
21	K21B1	18	TN	3803140C1	3803134C1

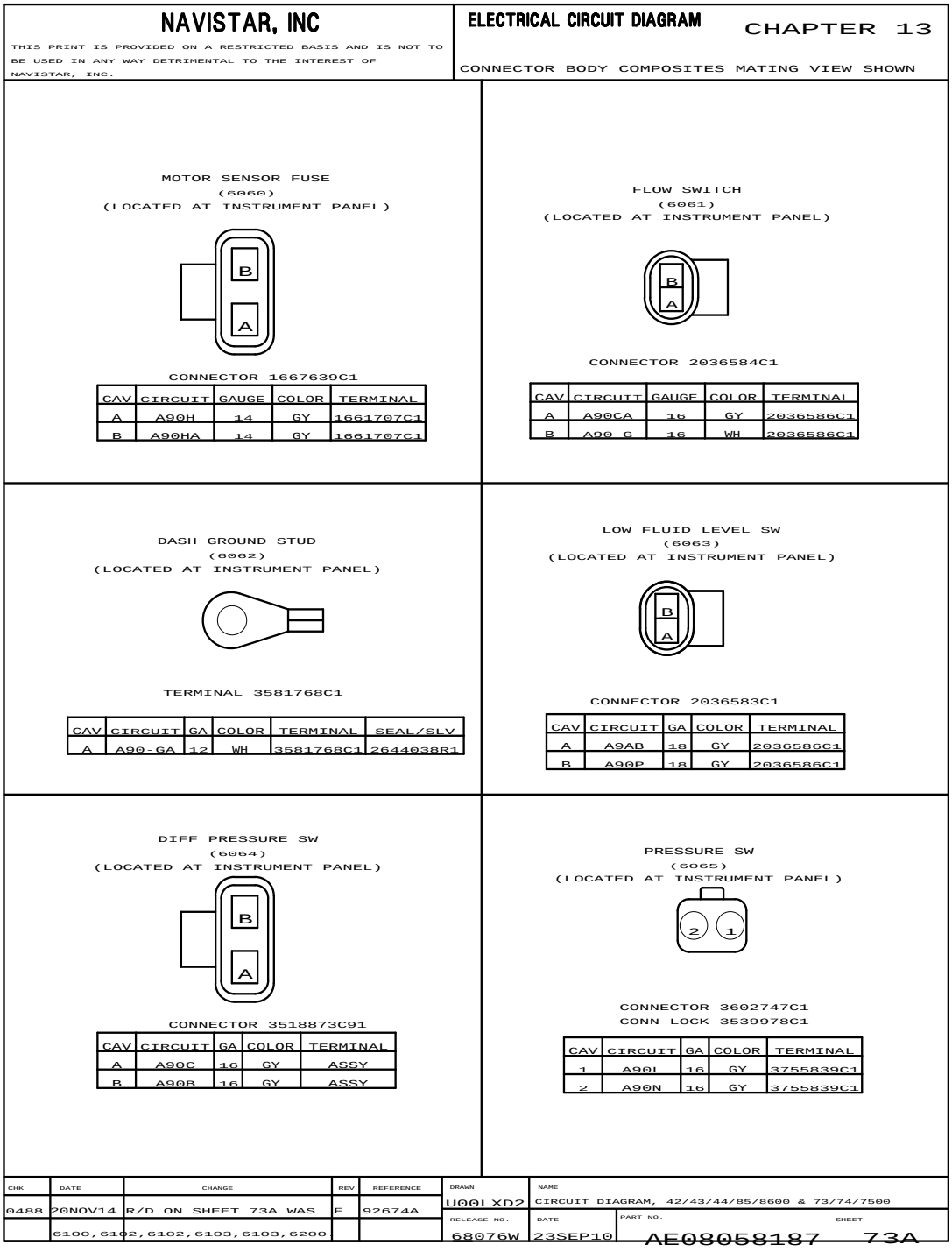
* W/ MANUAL TRANSMISSION
# W/ ALLISION TRANSMISSION
@ W/ ALLISON TC10 TRANSMISSION
**W/ 2015 OBD & GHG COMPLIANT

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	25JUN14	ADDED CIRC K97HA TO	F	92603H	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	R/D 6023 CAV1.				RELEASE NO. 61229V	DATE 09JUN09 PART NO. AE08058187 SHEET 073

Figure 686 Connector Composites (6022), (6023), (6033)

https://truckmanualshub.com/

13.170. CONNECTOR COMPOSITES (6060), (6061), (6062), (6063), (6064), (6065), P. 73A



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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

MOTOR SENSOR FUSE
(6060)
(LOCATED AT INSTRUMENT PANEL)

CONNECTOR 1667639C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A90H	14	GY	1661707C1
B	A90HA	14	GY	1661707C1

FLOW SWITCH
(6061)
(LOCATED AT INSTRUMENT PANEL)

CONNECTOR 2036584C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A90CA	16	GY	2036586C1
B	A90-G	16	WH	2036586C1

DASH GROUND STUD
(6062)
(LOCATED AT INSTRUMENT PANEL)

TERMINAL 3581768C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A	A90-GA	12	WH	3581768C1	2644038R1

LOW FLUID LEVEL SW
(6063)
(LOCATED AT INSTRUMENT PANEL)

CONNECTOR 2036583C1

CAV	CIRCUIT	GA	COLOR	TERMINAL
A	A9AB	18	GY	2036586C1
B	A90P	18	GY	2036586C1

DIFF PRESSURE SW
(6064)
(LOCATED AT INSTRUMENT PANEL)

CONNECTOR 3518873C91

CAV	CIRCUIT	GA	COLOR	TERMINAL
A	A90C	16	GY	ASSY
B	A90B	16	GY	ASSY

PRESSURE SW
(6065)
(LOCATED AT INSTRUMENT PANEL)

CONNECTOR 3602747C1
CONN LOCK 3539978C1

CAV	CIRCUIT	GA	COLOR	TERMINAL
1	A90L	16	GY	3755839C1
2	A90N	16	GY	3755839C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	20NOV14	R/D ON SHEET 73A WAS	F	92674A
	6100,6102,6102,6103,6103,6200			

DRAWN U00LXD2 NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 68076W DATE 23SEP10 PART NO. AE08058187 SHEET 73A

Figure 687 Connector Composites (6060), (6061), (6062), (6063), (6064), (6065)

https://truckmanualshub.com/

13.171. CONNECTOR COMPOSITES (6066), (6067), (6068), (6069), (6070), (6071), P. 73B

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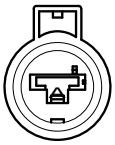
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

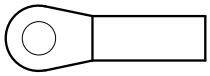
REDUNDANT POWER FEED
(6066)
(LOCATED AT INSTRUMENT PANEL)



CONNECTOR 3700151C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A	A14B	8	GY	3700154C1	3537135C1

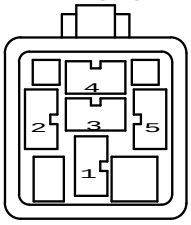
MOTOR SENSOR
(6067)
(LOCATED AT INSTRUMENT PANEL)



TERMINAL 0365682C2

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A	A90F	10	GY	0365682C2	2644005R1
A	A90H	14	GY	0365682C2	2644005R1

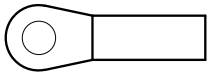
RELAY POWER
(6068)
(LOCATED AT INSTRUMENT PANEL)



CONNECTOR 1661747C91

CAV	CIRCUIT	GA	COLOR	TERMINAL
1	A14	10	RD	1661708C1
2	A90A	16	GY	3895713C1
3	PLUG	-	-	-
4	A90F	10	GY	1661708C1
5	A90K	16	GY	3895713C1

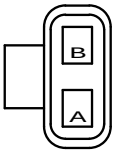
HYD MOTOR GND
(6069)
(LOCATED AT INSTRUMENT PANEL)



TERMINAL 3867524C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A	A90-GM	12	WH	3867524C1	2644005R1

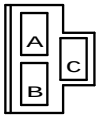
5A FUSE
(6070)
(LOCATED AT INSTRUMENT PANEL)



CONNECTOR 1667639C1

CAV	CIRCUIT	GA	COLOR	TERMINAL
A	A90NA	14	GY	1661707C1
B	A90NB	14	GY	1661707C1

DIODE CONN
(6071)
(LOCATED AT INSTRUMENT PANEL)



CONNECTOR 0598839C1

CAV	CIRCUIT	GA	COLOR	TERMINAL
A	A90L	16	GY	0333732C1
B	A90J	18	GY	0333732C1
C	A90K	16	GY	0333732C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	20NOV14	INITIAL RELEASE.	A	92674A

DRAWN MJV0223
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92674A
DATE 24SEP14
PART NO. AE08058187
SHEET 73B

Figure 688 Connector Composites (6066), (6067), (6068), (6069), (6070), (6071)

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13.172. CONNECTOR COMPOSITES (6100), (6102), (6103), (6200), P. 73C

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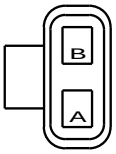
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

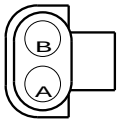
IGNITION FUSE
(6100)



CONNECTOR 1667639C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K13C	14	PK	1661707C1
B	K13A	14	PK	1661707C1

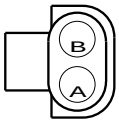
ELECTRIC COMPRESSOR AIR PRESSURE SWITCH
(6102)
(LOCATED IN INSTRUMENT PANEL)



CONNECTOR 0587568C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K40A	14	GY	0587575C1	1652325C1
B	K40A	14	GY	0587575C1	1652325C1

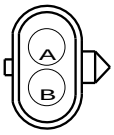
ELECTRIC COMPRESSOR AIR PRESSURE SWITCH
(6102)
(LOCATED IN INSTRUMENT PANEL)



CONNECTOR 0587568C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M40A	14	GY	0587575C1	1652325C1
B	M40B	14	GY	0587575C1	1652325C1

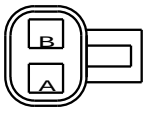
ELECTRIC COMPRESSOR AIR PRESSURE POWER
(6103)
(LOCATED IN INSTRUMENT PANEL)



CONNECTOR 0587567C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M40B	14	GY	0587577C1	1652325C1
B	M40B-G	14	WH	0587577C1	1652325C1

FREON COMPRESSOR
(6200)
(LOCATED ON AC COMPRESSOR FRONT RIGHT SIDE OF ENGINE)



CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	K77-G	16	WH	2033819C1	1652325C1
A#	K77-G	18	LTGN	2033819C1	3517771C1
A@	K77-G	18	WH	2033819C1	1671610C1
B*	K77	16	LTGN	2033819C1	1652325C1
B#	K77	18	LTGN	2033819C1	3517771C1
B@	K77A	16	LTGN	2033819C1	1671610C1

* W/ IBB ENGINE
\# W/ CUMMINS ISB ENGINE
@ W/I6 2010 SCR ENGINE

CHK	DATE	CHANGE	REV.	REFERENCE
0488	09SEP15	REMOVED R/D 6103.	B	93248U

DRAWN: MJV0223
NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO.: 92674A
DATE: 24SEP14
PART NO.: AE08058187
SHEET: 73C

Figure 689 Connector Composites (6100), (6102), (6103), (6200)

https://truckmanualshub.com/

13.173. CONNECTOR COMPOSITES (6201), (6201A), (6201B), (6201P), P. 74

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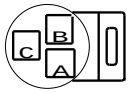
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

A/C PRESSURE TRANSDUCER
(6201)
(LOCATED ON A/C COMPRESSOR FRONT RIGHT SIDE OF ENGINE)

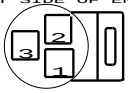


CONNECTOR 1678137C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K77-ZV	18	LTGN	1651943C1
B	K77A	18	LTGN	1651943C1
C	K77B	18	LTGN	1651943C1

W/ DURASTAR

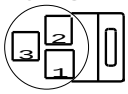
A/C PRESS TRANDUCER
(6201)
(LOCATED ON A/C COMPRESSOR FRONT RIGHT SIDE OF ENGINE)



CONNECTOR 3662921C1
BODY LOCK 3662879C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	A9ZB	18	GY	3554322C1	3554318C1
2	A6A	18	GY	3554322C1	3554318C1
3	A77B	18	LTGN	3554322C1	3554318C1

AC PRESSURE TRANSDUCER
(6201)
(LOCATED ON AC COMPRESSOR FRONT RIGHT SIDE OF ENGINE)

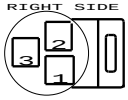


CONNECTOR 3662921C1
BODY LOCK 3662879C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1*	K9AA	18	GY	3554322C1	3554318C1
1#	K9AAA	18	GY	3554322C1	3554318C1
2	K6DB	18	GY	3554322C1	3554318C1
3	K77B	18	LTGN	3554322C1	3554318C1

* N/ XMSN OIL TEMP GAUGE
\# W/ XMSN OIL TEMP GAUGE

AC PRESSURE TRANSDUCER
(6201A)
(LOCATED ON AC COMPRESSOR FRONT RIGHT SIDE OF ENGINE)

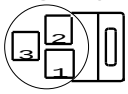


CONNECTOR 3662921C1
BODY LOCK 3662879C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1*	K9AA	18	GY	3554322C1	3554318C1
1#	K9AAA	18	GY	3554322C1	3554318C1
2	K6DB	18	GY	3554322C1	3554318C1
3	K77B	18	LTGN	3554322C1	3554318C1

* N/ XMSN OIL TEMP GAUGE
\# W/ XMSN OIL TEMP GAUGE

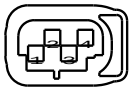
A/C PRESS TRANSDUCER L/S
(6201B)
(LOCATED ON AC COMPRESSOR FRONT RIGHT SIDE OF ENGINE)



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K9AAA	18	GY	3554322C1	3554318C1
2	K6DB	18	GY	3554322C1	3554318C1
3	K77B	18	LTGN	3554322C1	3554318C1

CONNECTOR 3662921C1
BODY LOCK 3662879C1

"AC PRESSURE TRANSDUCER"
(6201P)



CONNECTOR 3600324C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K9AAA	20	GY	3702881C1	3600327C1
1	K9AA	20	GY	3702881C1	3600327C1
2	K9AA	16	GY	3561584C1	3536868C1
2	K77B	20	LT GN	3702881C1	3600327C1
3	K77C	20	LT GN	3702881C1	3600327C1
4	K6DB	20	GY	3702881C1	3600327C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	09SEP15	ADDED R/D 6201P.	J	93248U

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 09JUN09
PART NO. AE08058187
SHEET 074

Figure 690 Connector Composites (6201), (6201A), (6201B), (6201P)

https://truckmanualshub.com/

13.174. CONNECTOR COMPOSITES (6260A), (6260F), (6260FP), (6260H), P. 74A

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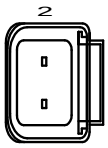
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

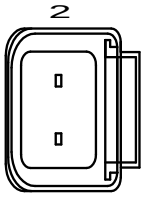
ASOV
(6260A)
(LOCATED IN ENGINE)



CONNECTOR 3626436C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K95I	18	TN	3573077C1
2	K95H	18	TN	3573077C1

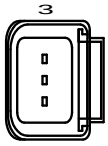
FPS
(6260F)
(LOCATED IN ENGINE)



CONNECTOR 3626435C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K95K	18	TN	3573077C1
2	K95J	18	TN	3573077C1
3	PLUG	-	-	-

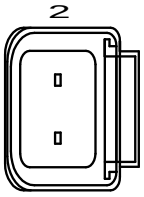
FPS
(6260FP)
(LOCATED IN ENGINE)



CONNECTOR 3803116C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K95N	18	TN	3573077C1
2	K95M	18	TN	3573077C1
3	K95L	18	TN	3573077C1

HCI
(6260H)
(LOCATED IN ENGINE)



CONNECTOR 3993816C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K95G	18	TN	3573077C1
2	K95F	18	TN	3573077C1

CHK	DATE	CHANGE	REV	REFERENCE
0610	12NOV13	ADDED R/D 6260A,	B	92218B
		6260F, 6260FP AND 6260H.		

DRAWN MJV0088 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 86976G | DATE 12FEB13 | PART NO. AE08058187 | SHEET 74A

Figure 691 Connector Composites (6260A), (6260F), (6260FP), (6260H)

https://truckmanualshub.com/

13.175. CONNECTOR COMPOSITES (6260HL), (6260HR), (6260UC), (6260VH), (6260VL), (6260VM), P. 74B

NAVISTAR, INC

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

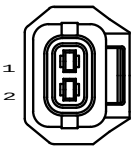
DOCT SENSOR BLACK
(6260HL / 6260HR / 6260UC)
(LOCATED BY RIGHT FRAME RAIL NEAR TRANSMISSION AREA)

CONNECTOR 3626435C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K95F4	18	TN	3573077C1
1*	K95S4	18	TN	3613771C1
2	K95K	18	TN	3573077C1
2*	K95KK	18	TN	3613771C1

* W/ V8 ENGINE

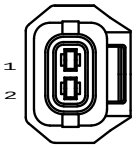
HCI INJECTOR
(6260VH)
(LOCATED AT LEFT SIDE OF ENGINE)



CONNECTOR 3690364C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K95H	18	TN	3689960C1	3623615C1
2	K95J	18	TN	3689960C1	3623615C1

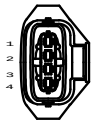
HCI INJECTOR
(6260VL)
(LOCATED AT LEFT SIDE OF ENGINE)



CONNECTOR 3689957C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K95K	18	TN	3689960C1	3623615C1
2	K95M	18	TN	3689960C1	3623615C1

HCI INJECTOR
(6260VM)
(LOCATED AT LEFT SIDE OF ENGINE)



CONNECTOR 3689956C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K95-GE	18	WH	3689959C1	3623615C1
2	K95T	18	TN	3689959C1	3623615C1
3	K95DC	18	TN	3689959C1	3623615C1
4	K95V	18	TN	3689959C1	3623615C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0610	12NOV13	INITIAL RELEASE.	A	92218B	MJV0195	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92218B	DATE 30JUL13

PART NO. AE08058187 SHEET 74B

Figure 692 Connector Composites (6260HL), (6260HR), (6260UC), (6260VH), (6260VL), (6260VM)

https://truckmanualshub.com/

13.176. CONNECTOR COMPOSITES (6260VN), (6261), (6262), (6263), (6316M), P. 75

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

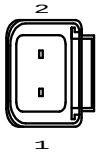
CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

EXHAUST LAMBDA SENSOR
(6260VN)
(LOCATED NEAR ENGINE)

CONNECTOR 3691136C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K95VA	18	TN	3693147C1	3573653C1
2	K95VIR	18	WH	3693147C1	3573653C1
3	K95VB	18	TN	3693147C1	3573653C1
4	K95VC	18	TN	3693147C1	3573653C1
5	K95VD	18	TN	3693147C1	3573653C1
6	K95VE	18	TN	3693147C1	3573653C1

DPF TEMP1 SENSOR LIGHT GREY
(6261)
(LOCATED BY RIGHT FRAME RAIL
NEAR TRANSMISSION AREA)

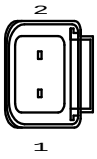


CONNECTOR 3626436C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K95F3	18	TN	3573077C1
1*	K95F3	18	TN	3613771C1
2	K95J	18	TN	3573077C1
2*	K95JJ	18	TN	3613771C1

* W/ V8 ENGINE

DPF TEMP1 SENSOR DARK GREY
(6262)
(LOCATED BY RIGHT FRAME RAIL
NEAR TRANSMISSION AREA)



CONNECTOR 3626437C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K95F2	18	TN	3573077C1
1*	K95F2	18	TN	3613771C1
2	K95L	18	TN	3573077C1
2*	K95LL	18	TN	3613771C1

* W/ V8 ENGINE

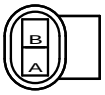
EXHAUST DPF DELTA P (DPFDP) SENSOR
(6263)
(LOCATED BY RIGHT FRAME
RAIL NEAR TRANSMISSION AREA)

CONNECTOR 3626438C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K95F1	18	TN	3573077C1
1*	K95F1	18	TN	3613771C1
2	K95H	18	TN	3573077C1
2*	K95HH	18	TN	3613771C1
3	K95	18	TN	3573077C1
3*	K95JT	18	TN	3613771C1

* W/ V8 ENGINE

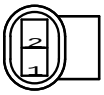
THERMAL OVERCRANK
(6316M)
(LOCATED BY STARTER)



CONNECTOR 2036583C1
BODY LOCK 3662518C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K17D	16	PK	2036586C1
B	K17	16	PK	2036586C1

STARTER MOTOR OVERCRANK
(6316M)
(LOCATED BY STARTER)



CONNECTOR 3554317C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K17L	18	PK	3554322C1	3554318C1
2	K17K	18	PK	3554322C1	3554318C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	25JUN14	ADDED R/D 6316M.	E	92603H	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 09JUN09

PART NO. AE08058187 SHEET 075

Figure 693 Connector Composites (6260VN), (6261), (6262), (6263), (6316M)

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13.177. CONNECTOR COMPOSITES (6323), (6332), (6333), (6334), P. 75A

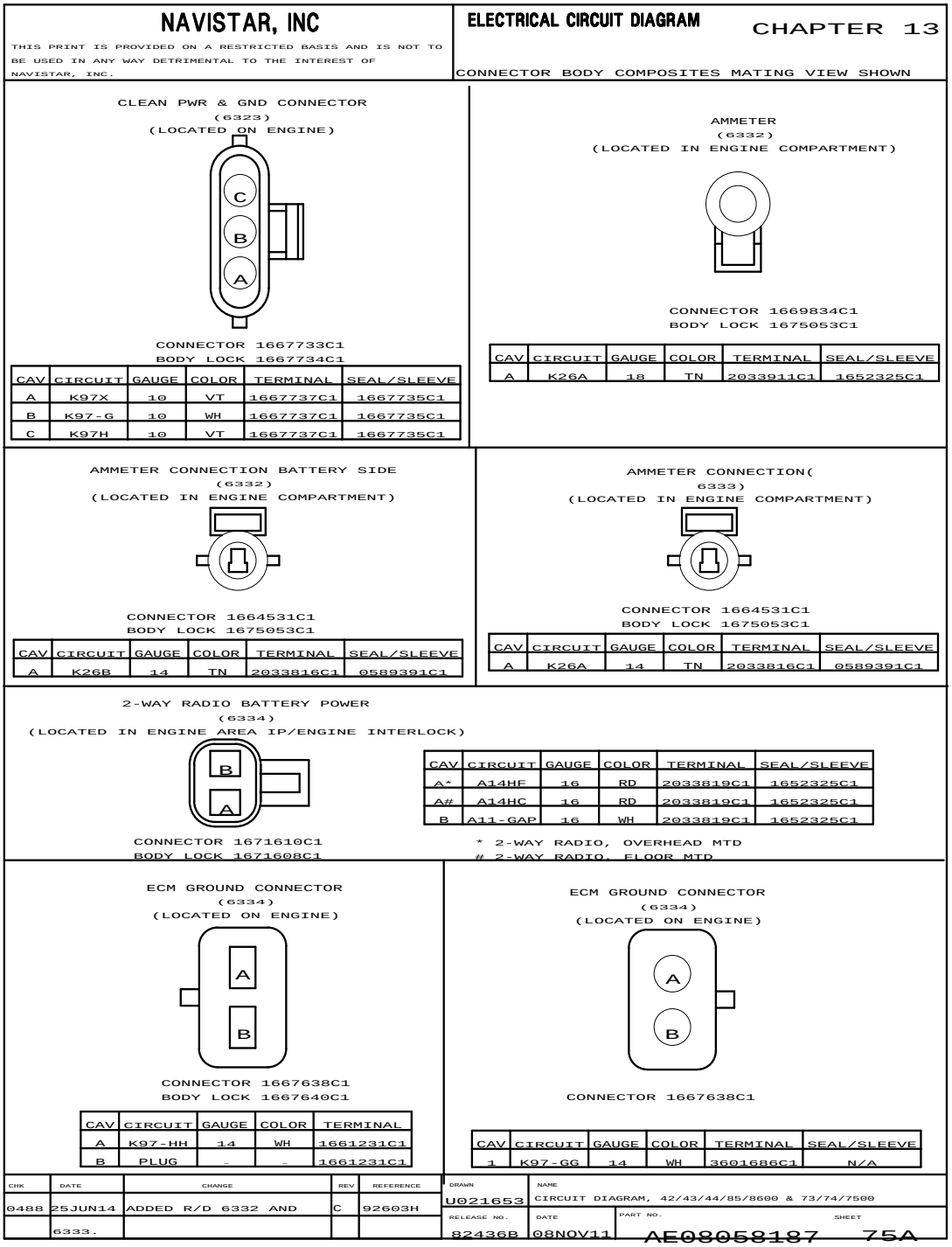

Figure 694 Connector Composites (6323), (6332), (6333), (6334)

https://truckmanualshub.com/

13.178. CONNECTOR COMPOSITES (6334), (6340), P. 76

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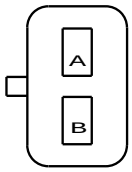
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

2-WAY RADIO
BATTERY POWER (6334)
(LOCATED IN ENGINE AREA
NEAR IP / ENGINE INTERCONNECT)

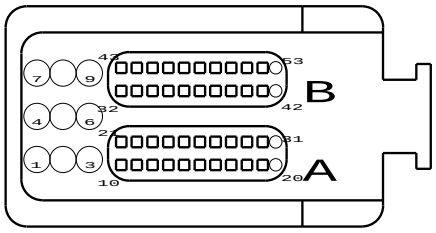


CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	A14HC	16	RD	2033819C1	1652325C1
A*	A14HF	16	RD	2033819C1	1652325C1
B*	A11-GAP	16	WH	2033819C1	1652325C1
B*	A11-GAP	16	WH	2033819C1	1652325C1

* MUTUALLY EXCLUSIVE

ENGINE DCU POWER & GROUND (6340)



CONNECTOR 3856624C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K97KB-G	16	WH	3710403C1	3535401C1
2	K97KC-G	16	WH	3710403C1	3535401C1
3	K97KD-G	16	WH	3710403C1	3535401C1
4	K97KE-G	16	WH	3710403C1	3535401C1
5	K97KF-G	16	WH	3710403C1	3535401C1
6	K97KB	16	PL	3710403C1	3535401C1
7	K97KC	16	PL	3710403C1	3535401C1
8	K97KD	16	PL	3710403C1	3535401C1
9	K97KE	16	PL	3710403C1	3535401C1
10	PLUG	-	-	-	-
11	PLUG	-	-	-	-
12	PLUG	-	-	-	-
13	PLUG	-	-	-	-
14	K5AB(+)	20	YL	3710402C1	-
15	K5AB(-)	20	LTGN	3710402C1	-
16	PLUG	-	-	-	-
17	PLUG	-	-	-	-
18	PLUG	-	-	-	-
19	PLUG	-	-	-	-
20	PLUG	-	-	-	-
21	PLUG	-	-	-	-

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
22	PLUG	-	-	-	-
23	PLUG	-	-	-	-
24	PLUG	-	-	-	-
25	PLUG	-	-	-	-
26	PLUG	-	-	-	-
27	PLUG	-	-	-	-
28	PLUG	-	-	-	-
29	PLUG	-	-	-	-
30	PLUG	-	-	-	-
31	PLUG	-	-	-	-
32	PLUG	-	-	-	-
33	PLUG	-	-	-	-
34	PLUG	-	-	-	-
35	PLUG	-	-	-	-
36	PLUG	-	-	-	-
37	PLUG	-	-	-	-
38	PLUG	-	-	-	-
39	PLUG	-	-	-	-
40	PLUG	-	-	-	-
41	PLUG	-	-	-	-
42	PLUG	-	-	-	-
43	PLUG	-	-	-	-
44	PLUG	-	-	-	-
45	PLUG	-	-	-	-
46	PLUG	-	-	-	-
47	PLUG	-	-	-	-
48	PLUG	-	-	-	-
49	PLUG	-	-	-	-
50	PLUG	-	-	-	-
51	PLUG	-	-	-	-
52	K97KF	20	PL	3710402C1	-
53	PLUG	-	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	30SEP10	ADDED REF 6340. MOVED	C	68076W
		REF 6400, 6401 TO SHEET 76B.		

DRAWN 310615 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V | DATE 09JUN09 | PART NO. AE08058187 | SHEET 076

Figure 695 Connector Composites (6334), (6340)

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13.179. CONNECTOR COMPOSITES (6341), P. 76A

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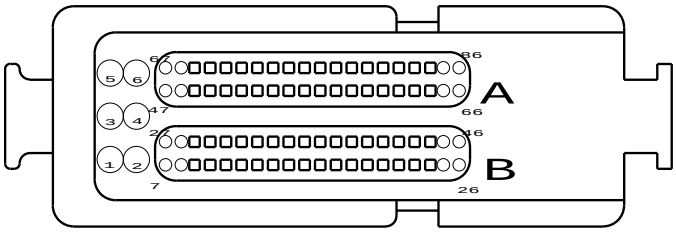
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ENGINE DCU SIGNAL (6341)



CONNECTOR 3856623C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	-
2	PLUG	-	-	-
3	PLUG	-	-	-
4	PLUG	-	-	-
5	PLUG	-	-	-
6	PLUG	-	-	-
7	PLUG	-	-	-
8	PLUG	-	-	-
9	PLUG	-	-	-
10	K97KM	20	PL	3710402C1
11	K97KT	20	PL	3710402C1
12	PLUG	-	-	-
13	PLUG	-	-	-
14	PLUG	-	-	-
15	PLUG	-	-	-
16	PLUG	-	-	-
17	PLUG	-	-	-
18	PLUG	-	-	-
19	PLUG	-	-	-
20	PLUG	-	-	-
21	K97KK	20	PL	3710402C1
22	PLUG	-	-	-
23	PLUG	-	-	-
24	PLUG	-	-	-
25	PLUG	-	-	-
26	PLUG	-	-	-
27	PLUG	-	-	-
28	PLUG	-	-	-
29	PLUG	-	-	-
30	PLUG	-	-	-
31	PLUG	-	-	-
32	PLUG	-	-	-
33	PLUG	-	-	-
34	PLUG	-	-	-
35	PLUG	-	-	-
36	PLUG	-	-	-
37	PLUG	-	-	-
38	PLUG	-	-	-
39	PLUG	-	-	-
40	PLUG	-	-	-
41	K97KP	20	PL	3710402C1
42	K97KR	20	PL	3710402C1
43	K97KN	20	PL	3710402C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
44	PLUG	-	-	-
45	PLUG	-	-	-
46	PLUG	-	-	-
47	PLUG	-	-	-
48	PLUG	-	-	-
49	PLUG	-	-	-
50	PLUG	-	-	-
51	PLUG	-	-	-
52	PLUG	-	-	-
53	PLUG	-	-	-
54	PLUG	-	-	-
55	PLUG	-	-	-
56	PLUG	-	-	-
57	PLUG	-	-	-
58	PLUG	-	-	-
59	PLUG	-	-	-
60	PLUG	-	-	-
61	PLUG	-	-	-
62	PLUG	-	-	-
63	PLUG	-	-	-
64	PLUG	-	-	-
65	PLUG	-	-	-
66	PLUG	-	-	-
67	PLUG	-	-	-
68	PLUG	-	-	-
69	PLUG	-	-	-
70	PLUG	-	-	-
71	PLUG	-	-	-
72	PLUG	-	-	-
73	PLUG	-	-	-
74	PLUG	-	-	-
75	PLUG	-	-	-
76	PLUG	-	-	-
77	PLUG	-	-	-
78	PLUG	-	-	-
79	PLUG	-	-	-
80	K97KJ	20	PL	3710402C1
81	PLUG	-	-	-
82	PLUG	-	-	-
83	PLUG	-	-	-
84	PLUG	-	-	-
85	PLUG	-	-	-
86	PLUG	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	30SEP10	INITIAL RELEASE.	A	68076W	U00LXD2	CIRCUIT DIAGRAM, 42/43/33/85/8600 & 73/74/7500
					RELEASE NO. 68076W	DATE 13SEP10
						PART NO. AE08058187
						SHEET 76A

Figure 696 Connector Composites (6341)

https://truckmanualshub.com/

13.180. CONNECTOR COMPOSITES (6342), (6343), P. 76B

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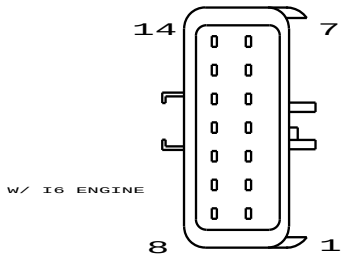
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

DCU JUMPER INTERCONNECT #1
(6342)

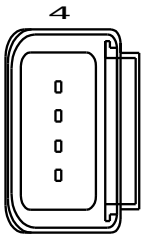


W/ I6 ENGINE

CONNECTOR 3618231C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K97KM	18	PL	3618272C1
2	K97KT	18	PL	3618272C1
3	K97KK	18	PL	3618272C1
4	K97KG	18	PL	3618272C1
5	K97KH	18	PL	3618272C1
6	K97KL	18	PL	3618272C1
7	K97KS	18	PL	3618272C1
8	K97KP	18	PL	3618272C1
9	K97KR	18	PL	3618272C1
10	K97KN	18	PL	3618272C1
11	K97KJ	18	PL	3618272C1
12	K5AA(+)	18	YL	3618272C1
12	K5A(+)	18	YL	3618272C1
13	K5AA(-)	18	GN	3618272C1
13	K5A(-)	18	GN	3618272C1
14	K97KF	20	PL	3618272C1

DCU JUMPER INTERCONNECT #1
(6343)



CONNECTOR 3820176C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K97KB-G	16	WH	3613770C1
2	K97KC-G	16	WH	3613770C1
3	K97KB	16	PL	3613770C1
4	K97KC	16	PL	3613770C1
5	K5CC(-)	18	GN	3690369C1
5	K5BB(-)	18	GN	3690369C1
6	K5BB(+)	18	YL	3690369C1
6	K5CC(+)	18	YL	3690369C1

W/ I6 ENGINE

CHK	DATE	CHANGE	REV	REFERENCE
0488	09SEP15	REVISED AND REDRAWN.	G	93248U

DRAWN U00LXD2

NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 68076W

DATE 13SEP10

PART NO. AE08058187

SHEET 76B

Figure 697 Connector Composites (6342), (6343)

https://truckmanualshub.com/

13.181. CONNECTOR COMPOSITES (6400), (6401), (6401A), P. 76C

NAVISTAR, INC

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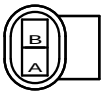
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

LEFT SURGE TANK W/MD
(6400)
(LOCATED BY LEFT MOUNTED SURGE TANK)

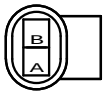


CONNECTOR 3662425C1
BODY LOCK 3662518C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K34A	18	TN	3554322C1	3554318C1
B	K34-G	18	WH	3554322C1	3554318C1

W/ I6 ENGINE

LEFT MD SURGE TANK (6400)
(LOCATED BY LEFT MOUNTED SURGE TANK)



CONNECTOR 2036583C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K34A	18	TN	2036586C1
B	K34-G	18	WH	2036586C1

W/ V8 ENGINE

COOLANT LEVEL SENSOR (6400)
(LOCATED IN COOLANT RESERVOIR)

CONNECTOR 2036583C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K34-GG	18	WH	2036586C1
B	K34AA	18	TN	2036586C1

FAN SOLENOID (6400)
(LOCATED IN LEFT REAR OF ENGINE)

CONNECTOR 3522068C1
BODY LOCK 1661874C1

W/ IBB ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K23	18	TN	1661875C1	3568570C1
B	K23-G	18	WH	1661875C1	3568570C1

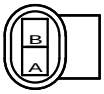
LEFT SURGE TANK (6400)
(LOCATED BY LEFT MOUNTED SURGE TANK)

CONNECTOR 3811181C1

W/ I6 ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K34C	18	TN	3600050C1	3665870C1
B	K34D	18	TN	3600050C1	3665870C1

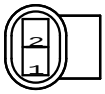
RIGHT SS SURGE TANK (6401)
(LOCATED BY RIGHT MOUNTED SURGE TANK)



CONNECTOR 1671610C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K34A	18	TN	2033819C1	3517771C1
B	K34-GB	16	WH	2033819C1	1652325C1

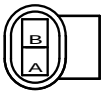
COOLANT LEVEL SENSOR
(6401)
LOCATED ON SURGE TANK))



W/ DURASTAR CONNECTOR 3554317C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K34A	18	TN	3554322C1	3554318C1
2	K34-G	18	TN	3554322C1	3554318C1

RIGHT SS SURGE TANK (6401A)
(LOCATED BY RIGHT MOUNTED SURGE TANK)



CONNECTOR 1671610C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K34	16	TN	2033819C1	1652325C1
B	K95A1	16	TN	2033819C1	1652325C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	INITIAL RELEASE.	A	92603H

DRAWN U00LXD2
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 68076W
DATE 13SEP10
PART NO. AE08058187
SHEET 76C

Figure 698 Connector Composites (6400), (6401), (6401A)

https://truckmanualshub.com/

13.182. CONNECTOR COMPOSITES (6400), (6401), (6401A), P. 76D

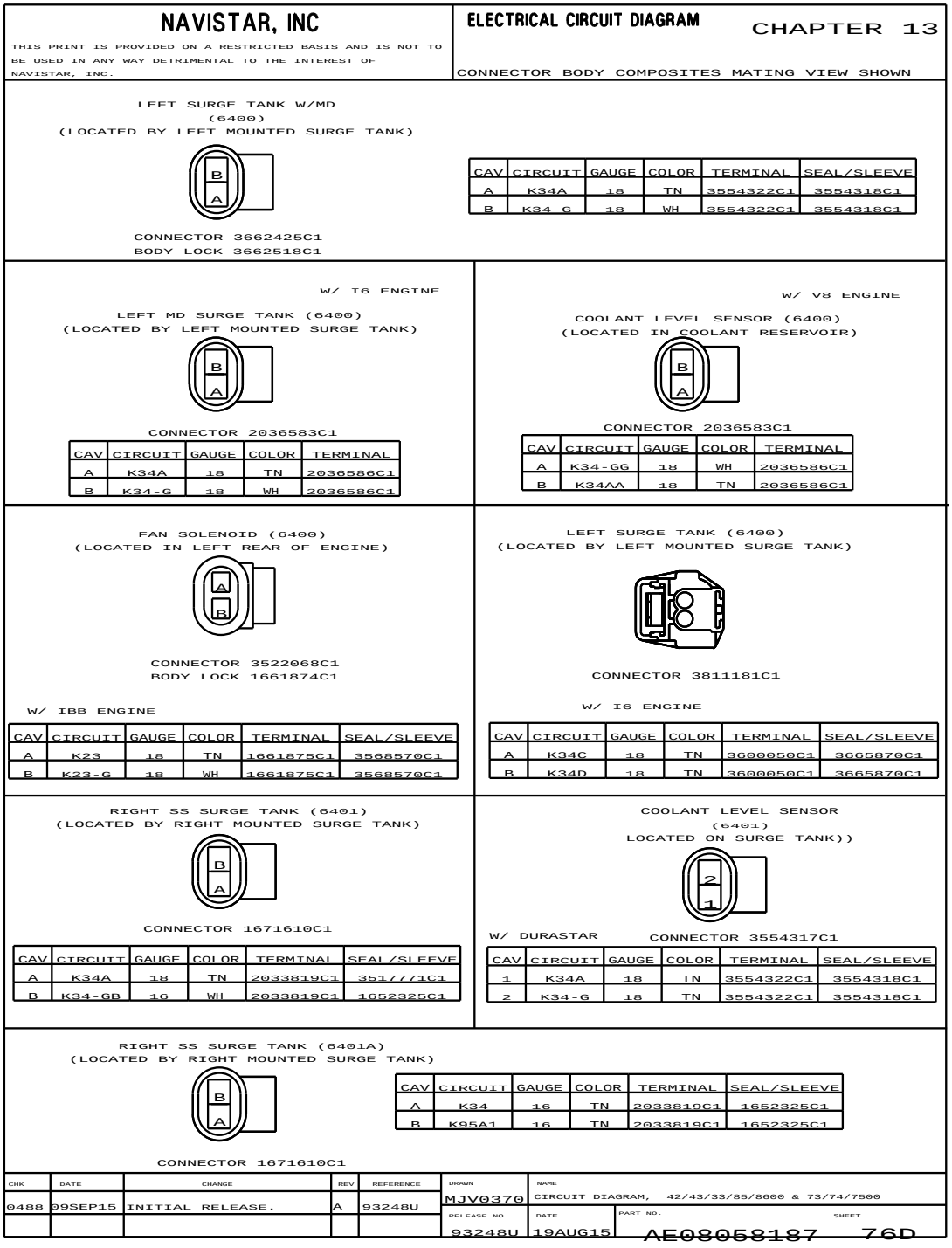


Figure 699 Connector Composites (6400), (6401), (6401A)

https://truckmanualshub.com/

13.183. CONNECTOR COMPOSITES (6401), (6401M), (6401R), (6407), (6406M), (6408), (6420), P. 77

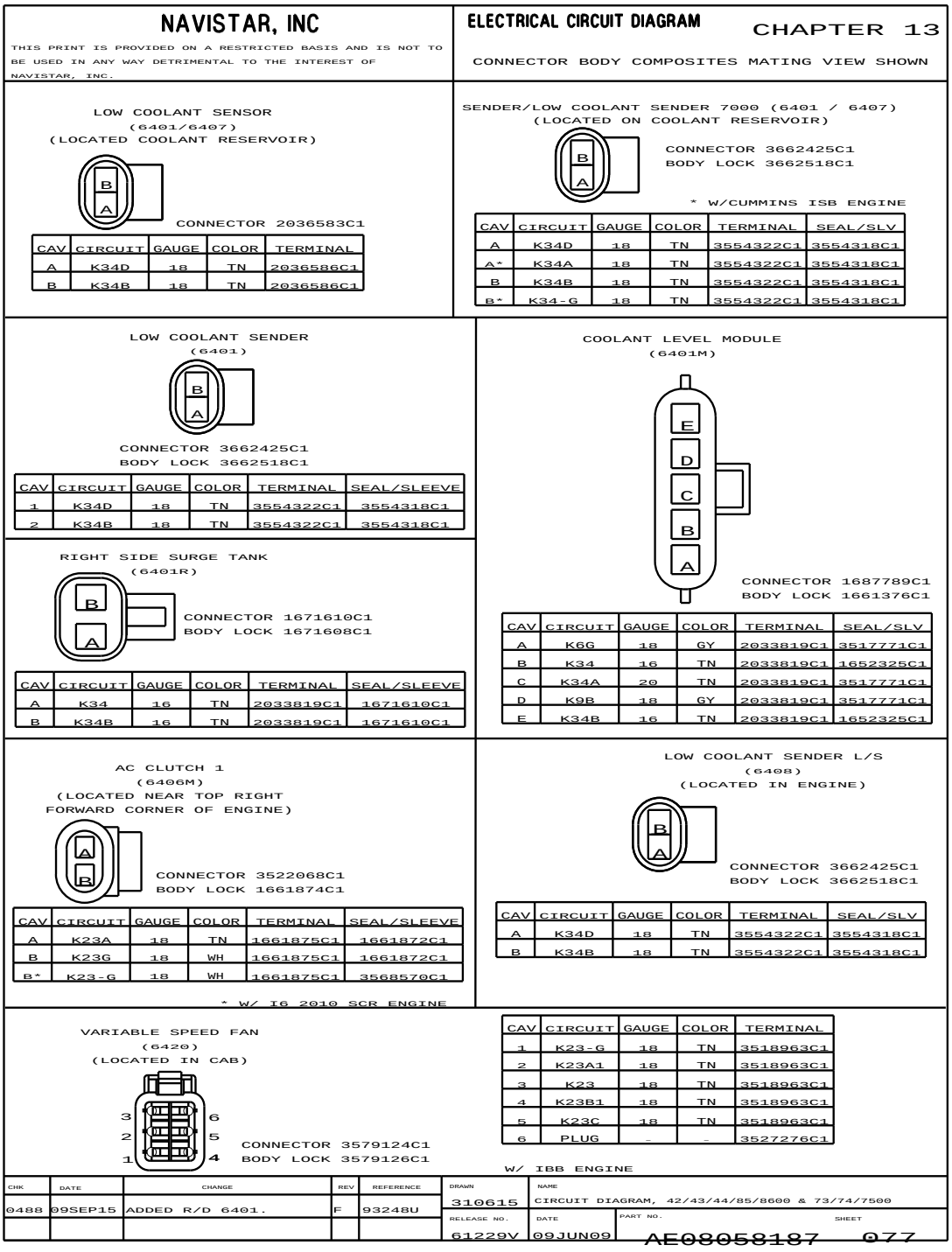


Figure 700 Connector Composites (6401), (6401M), (6401R), (6407), (6406M), (6408), (6420)

https://truckmanualshub.com/

13.184. CONNECTOR COMPOSITES (6561), (6566), (6567), P. 77A

NAVISTAR, INC

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ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

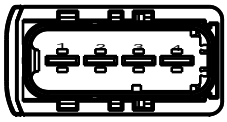
E-FAN
(6561)
(LOCATED IN ENGINE)

CONNECTOR 3522068C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K23D	16	TN	1661875C1	1661872C1
B	K10-GG	16	WH	1661875C1	1661872C1

W/ V8 ENGINE

PDM 4-WAY
(6566)
(LOCATED IN ENGINE)

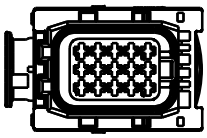


CONNECTOR 6113338C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1*	K14J	10	RD	3752553C1	6113347C1
1#	K14A	10	RD	3752553C1	6113347C1
1&	K97X	10	VT	3752553C1	6113347C1
2#&	K90A	10	RD	3752553C1	6113347C1
3*	K14N	10	RD	3752553C1	6113347C1
3#	K18G	10	PK	3752553C1	6113347C1
4&	K97H	10	RD	3752553C1	6113347C1

* W/ IBB ENGINE
\# W/ CUMMINS ISB ENGINE
& W/ I6 2010 SCR ENGINE

PDM 15-WAY
(6567)
(LOCATED IN ENGINE)



CONNECTOR 6113341C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	PLUG	-	-	6113350C1	-
1@	K97K	12	PL	3830799C1	3575783C1
2	PLUG	-	-	6113350C1	-
3	PLUG	-	-	6113350C1	-
4	K95AK2	12	TN	3830799C1	3575783C1
4&	K14J	16	RD	3830792C1	3509903C1
5	PLUG	-	-	6113350C1	-
6	PLUG	-	-	6113350C1	-
7*	K14A	12	RD	3830799C1	3575783C1
7*	K92A170	14	RD	3830798C1	3575783C1
7*	K14AW	12	RD	3830799C1	3575783C1
7*	K92D170	12	PK	3830799C1	3575783C1
7#	K14C	16	RD	3830792C1	3509903C1
7&	K92#110	12	RD	3830799C1	3575783C1
7%	K92B110	12	PK	3830799C1	3575783C1
8	PLUG	-	-	6113350C1	-
9	PLUG	-	-	6113350C1	-
10%	K14HC	14	RD	3830798C1	3509903C1
11	PLUG	-	-	6113350C1	-
12	PLUG	-	-	6113350C1	-
13#	K14	12	RD	3830799C1	3575783C1
13@	K95AK1	12	TN	3830799C1	3575783C1
14#	K14A	12	RD	3830799C1	3575783C1
15	PLUG	-	-	6113350C1	-

* MUTUALLY EXCLUSIVE
\# W/ CUMMINS ISB ENGINE
@ W/I6 2010 SCR ENGINE
& W/ 2013 IBB ENGINE

CHK	DATE	CHANGE	REV	REFERENCE
0488	09SEP15	REVISED AND REDRAWN.	E	93248U

DRAWN 310615 — NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92218B — DATE 30JUL13 — PART NO. AE08058187 — SHEET 77A

Figure 701 Connector Composites (6561), (6566), (6567)

https://truckmanualshub.com/

13.185. CONNECTOR COMPOSITES (6568), (6569), P. 77B

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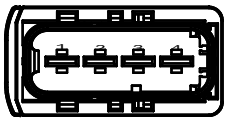
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

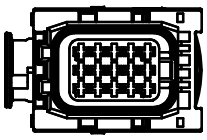
PDM 4-WAY
(6568)
(LOCATED IN ENGINE)



CONNECTOR 6113338C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K14J	10	RD	3752553C1	6113347C1
2	PLUG	-	-	-	-
3	K14N	10	RD	3752553C1	6113347C1
4	PLUG	-	-	-	-

PDM 15-WAY
(6569)
(LOCATED IN ENGINE)



CONNECTOR 6113341C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	PLUG	-	-	-	-
2	PLUG	-	-	-	-
3	PLUG	-	-	-	-
4	K95AK1	12	TN	3830799C1	3575783C1
5	PLUG	-	-	-	-
6	PLUG	-	-	-	-
7	K14A	12	RD	3830799C1	3575783C1
8	PLUG	-	-	-	-
9	PLUG	-	-	-	-
10	PLUG	-	-	-	-
11	PLUG	-	-	-	-
12	PLUG	-	-	-	-
13	K95AK2	12	RD	3830799C1	3575783C1
14	PLUG	-	-	-	-
15	PLUG	-	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0610	12NOV13	INITIAL RELEASE.	A	92218B	MJV0195	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92218B	DATE 30JUL13

PART NO. AE08058187 SHEET 77B

Figure 702 Connector Composites (6568), (6569)

https://truckmanualshub.com/

13.186. CONNECTOR COMPOSITES (6702), (6703), (6703A), (6704), P. 78

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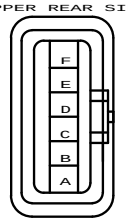
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ZERO VOLT REFERENCE
(6702)
(LOCATED AT UPPER REAR SIDE OF ENGINE)

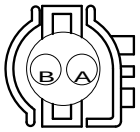


CONNECTOR 3543729C1
BODY LOCK 3543731C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K9AA	16	GY	3535303C1	3535424C1
B	K9AAA	18	GY	3535303C1	3535424C1
C	K9AAD	18	GY	3535303C1	3535424C1
D	K9AAB	18	GY	3535303C1	3535424C1
E	K9AA	18	GY	3535303C1	3535424C1
F	PLUG	-	-	-	-

W/ IBB ENGINE

INTAKE AIR TEMPERATURE
(6703)
(LOCATED ON AIR FILTER HOUSING)



CONNECTOR 1689462C1
BODY LOCK 1689463C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K41	16	TN	1689464C1
B	K41-GC	16	WH	1689464C1

W/ IBB ENGINE

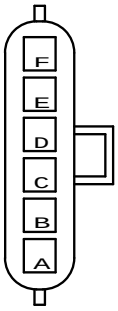
AIR FILTER RESTRICTION GAUGE
(6703A)
(LOCATED IN ENGINE)

CONNECTOR 3522068C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K9AAB	18	GY	1661875C1	1661872C1
B	K28	18	TN	1661875C1	1661872C1

W/ IBB ENGINE

GROUND SPLICE
(6704)
(LOCATED IN ENGINE)



CONNECTOR 3551896C1
BODY LOCK 3551897C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K92B16	14	WH	2033816C1	1652325C1
B	K92A16	14	WH	2033816C1	1652325C1
C	K10WH1	12	WH	2033816C1	0589390C1
D	K77-G	16	WH	2033819C1	1652325C1
E	K10WH5	14	WH	2033816C1	1652325C1
F	K10-GL	12	WH	2033816C1	0589390C1

CHK	DATE	CHANGE	REV.	REFERENCE
0610	12NOV13	ADDED R/D 6704.	C	92218B
	UPDATED	NAME OF R/D 6703A.		

DRAWN 310615 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V | DATE 08JUN09 | PART NO. AE08058187 | SHEET 078

Figure 703 Connector Composites (6702), (6703), (6703A), (6704)

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13.187. CONNECTOR COMPOSITES (6704M), (6709), (6710), (6712), P. 79

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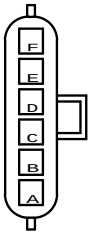
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

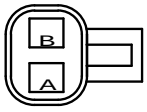
GROUND ADAPTER (6704M)
(LOCATED NEAR THE ENGINE ECM CONNECTION)



CONNECTOR 3551896C1
BODY LOCK 3551897C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	PLUG	-	-	0587579C1	-
B	K77-G	16	WH	2033819C1	1652325C1
C	K10-GB	14	WH	2033816C1	0589391C1
D	K10-GG	16	WH	2033819C1	1652325C1
E	PLUG	-	-	0587579C1	-
F	PLUG	-	-	0587579C1	-

FUEL HEATER
(6709)

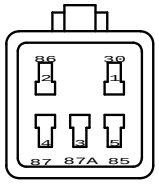


CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K18B	10	PK	1687847C1	0589390C1
B	K18E	10	WH	1687847C1	0589390C1
B*	K18E-G	10	WH	1687847C1	0589390C1

W/ DURASTAR
* MUTUALLY EXCLUSIVE

FUEL HEATER RELAY
(6710)

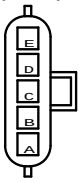


CONNECTOR 3512331C91
BODY LOCK 3515185C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K18C	10	PK	3512334C1	0589390C1
2	K18A	18	WH	2039343C1	3517771C1
3	PLUG	-	-	0587579C1	-
4	K18B	10	PK	3512334C1	0589390C1
5	K18D	18	WH	2039343C1	3517771C1
5*	K18D-G	18	WH	2039343C1	3517771C1

W/ DURASTAR
* MUTUALLY EXCLUSIVE

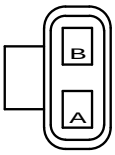
LOW COOLANT MODULE CONN
(6710)



CONNECTOR 1687789C1
BODY LOCK 1661376C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K34C	14	VT	2033816C1	0589391C1
B	K34A	18	TN	2033819C1	3517771C1
C	K34B	18	TN	2033819C1	3517771C1
D	K34-GX	18	WH	2033819C1	3517771C1
E	K34-GB	16	WH	2033819C1	1652325C1

ECM FUSE (6712)



CONNECTOR 3512967C1
BODY LOCK 1675451C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K14AF	10	RD	3679001C1
B	K14J	10	RD	3679001C1

W/ IBB ENGINE

CHK	DATE	CHANGE	REV	REFERENCE
0488	24MAR15	ADDED CIRC K18E-G &	G	92927M
		K18D-G IN R/D 6709,6710.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
SHEET 079

Figure 704 Connector Composites (6704M), (6709), (6710), (6712)

https://truckmanualshub.com/

13.188. CONNECTOR COMPOSITES (6713), (6715), P. 79A

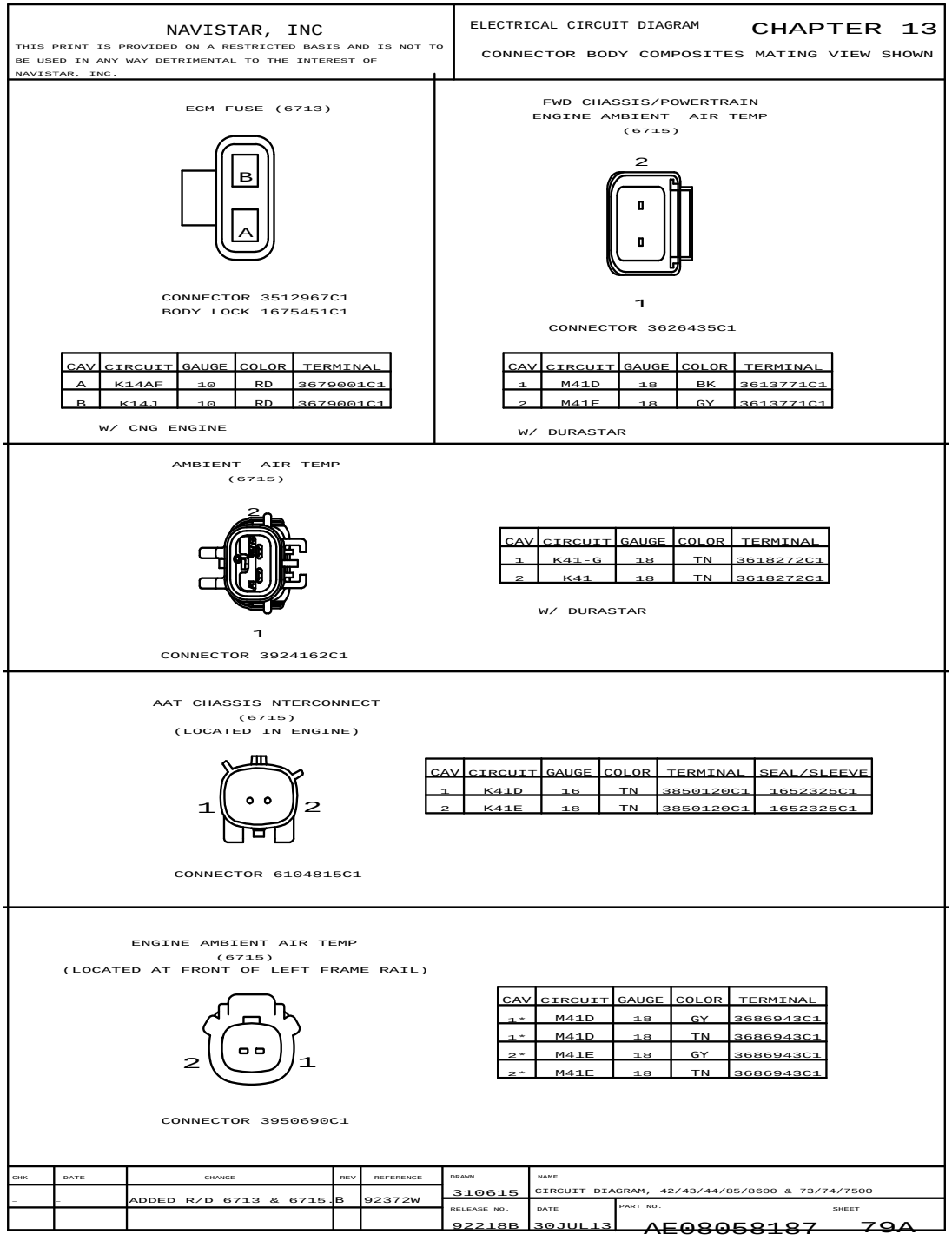


Figure 705 Connector Composites (6713), (6715)

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13.189. CONNECTOR COMPOSITES (6720), (6730), (6747), P. 80

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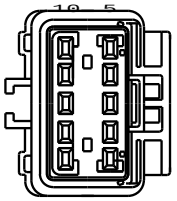
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

AFTERTREATMENT SENSOR JUMPER / AFTERTREATMENT SENSOR JUMPER-LSM EXHAUST (6720)

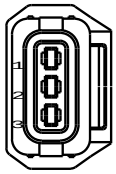


CONNECTOR 3690369C1
BODY LOCK 3539144C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K95A	18	TN	3613771C1
2	K95-GA	18	WH	3613771C1
3	K95B	18	TN	3613771C1
4	K95-GB	18	WH	3613771C1
5	K95C	18	TN	3613771C1
6	K95-GC	18	WH	3613771C1
7	K95-GD	18	WH	3613771C1
8	K95E	18	TN	3613771C1
9	K95DA	18	TN	3613771C1
10	PLUG	-	-	3527276C1

W/ IBB ENGINE

HCL FUEL PRESSURE (6730) (LOCATED IN LEFT SIDE OF ENGINE)

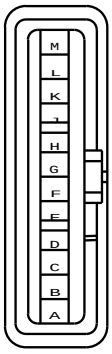


CONNECTOR 3689958C1

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K95DB	18	TN	3689959C1	3623615C1
2	K95R	18	TN	3689959C1	3623615C1
3	K95S	18	TN	3689959C1	3623615C1

W/ IBB ENGINE

ECM ZERO VOLT REFERENCE (6747) (LOCATED NEAR THE ENGINE ECM CONNECTION)



CONNECTOR 3543733C1
BODY LOCK 3543732C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	K95NN	18	PL	3535303C1	3535424C1
A**	K10-GB	18	WH	3535303C1	3535424C1
A@@	K9	20	GY	3535302C1	3535423C1
A@@	K9B	20	GY	3535302C1	3535423C1
A@@	K9-G	20	GY	3535302C1	3535423C1
A@@	K9B-G	20	GY	3535302C1	3535423C1
B*	K34-GG	18	WH	3535303C1	3535424C1
B**	K97-CG	16	WH	3535303C1	3535424C1
B@@	K95-G	18	WH	3535303C1	3535424C1
C@@	K34-G	18	TN	3535303C1	3535424C1
C@@	K34-G1	18	TN	3535303C1	3535424C1
C**	K97-GS	16	WH	3535303C1	3535424C1
C**	K97KC-G	16	WH	3535303C1	3535424C1
D*	K95S4	18	TN	3535303C1	3535424C1
D**	K97KC-G	18	WH	3535303C1	3535424C1
D@@	K41-G	18	TN	3535303C1	3535423C1
E**	K23-G	18	WH	3535303C1	3535423C1
E@@	K11-G1	16	WH	3535303C1	3535424C1
F+	K77-G	18	WH	3535303C1	3535424C1
F@@	K77-G	18	LTGN	3535303C1	3535424C1
G**	K10-GD	16	WH	3535303C1	3535424C1
H**	K10-GE	16	WH	3535303C1	3535424C1
H@@	K18F	16	WH	3535303C1	3535424C1
H@@	K18F-G	16	WH	3535303C1	3535424C1
J**	K9E	18	GY	3535303C1	3535424C1
J@@	K146	16	GY	3535303C1	3535424C1
J@@	K146-G	16	GY	3535303C1	3535424C1
K@	K9TS	18	GY	3535303C1	3535424C1
L+	K9A	18	GY	3535303C1	3535424C1
L@@	K77-ZV	18	LTGN	3535303C1	3535424C1
M@	K9T	18	GY	3535303C1	3535424C1

* - W/ V8 ENGINE
** - W/ I6 ENGINE
\+ - W/ AIR CONDITIONER
@@ - W/ CUMMINS ISB ENGINE

CHK	DATE	CHANGE	REV	REFERENCE
0488	09SEP15	REVISED AND REDRAWN.	G	93248U

DRAWN 310615 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V | DATE 08JUN09 | PART NO. AE08058187 | SHEET 080

Figure 706 Connector Composites (6720), (6730), (6747)

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13.190. CONNECTOR COMPOSITES (6748), (6800), (6801), P. 80A

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

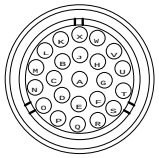
CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

EGNR DIAGNOSTIC CONN
(6748)
(LOCATED IN ENGINE)

CONNECTOR 3602454C1
BODY LOCK 1655705C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K5B(+)	18	YL	1680206C1
B	K5B(-)	18	GN	1680206C1
C	PLUG	-	-	-

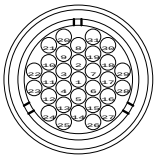
ENGINE INTERFACE
(6800)
(LOCATED IN LEFT SIDE OF ENGINE)



CONNECTOR 6099042C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K13A	18	PK	3572625C1
B	PLUG	-	-	-
C	PLUG	-	-	-
D	PLUG	-	-	-
E	PLUG	-	-	-
F	K95B	18	TN	3572625C1
G	K97C	18	PL	3572625C1
H	K95-GC	18	WH	3572625C1
J	K97B	18	PL	3572625C1
K	K99D-B	18	PL	3572625C1
L	K97N	18	PL	3572625C1
M	PLUG	-	-	-
N	K23	18	TN	3572625C1
P	K23-G	16	WH	3572625C1
Q	K34E	16	TN	3572625C1
R	PLUG	-	-	-
S	K95C	18	TN	3572625C1
T	PLUG	-	-	-
U	PLUG	-	-	-
V	PLUG	-	-	-
W	K97M	18	PL	3572625C1
X	K99B	18	PL	3572625C1

ENGINE INTERFACE
(6801)
(LOCATED IN LEFT SIDE OF ENGINE)



CONNECTOR 3536883C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	-
2	PLUG	-	-	-
3	PLUG	-	-	-
4	K97P	18	PL	3572625C1
5	PLUG	-	-	-
6	PLUG	-	-	-
7	PLUG	-	-	-
8	PLUG	-	-	-
9	PLUG	-	-	-
10	PLUG	-	-	-
11	PLUG	-	-	-
12	PLUG	-	-	-
13	PLUG	-	-	-
14	K95A	18	TN	3572625C1
15	PLUG	-	-	-
16	PLUG	-	-	-
17	PLUG	-	-	-
18	PLUG	-	-	-
19	PLUG	-	-	-
20	K95D	18	TN	3572625C1
21	PLUG	-	-	-
22	PLUG	-	-	-
23	PLUG	-	-	-
24	PLUG	-	-	-
25	PLUG	-	-	-
26	PLUG	-	-	-
27	K13AF	16	PK	3572625C1
28	PLUG	-	-	-
29	PLUG	-	-	-
30	K13AG	16	PK	3572625C1
31	K13AE	18	PK	3572625C1

CHK	DATE	CHANGE	REV.	REFERENCE
0610	12NOV13	ADDED R/D 6748.	B	92218B

DRAWN 30000091
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 86976G
DATE 05FEB13
PART NO. AE08058187
SHEET 80A

Figure 707 Connector Composites (6748), (6800), (6801)

https://truckmanualshub.com/

13.191. CONNECTOR COMPOSITES (6802), (6803), (6804), (6805), (6811), (6812), (6900), P. 80B

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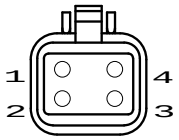
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

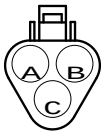
ENGINE POWER (6802)
(LOCATED AT LEFT SIDE OF ENGINE)



CONNECTOR 3557533C1
BODY LOCK 3557539C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	-
2	PLUG	-	-	-
3	K14JB	12	RD	3557534C1
4	K14JA	12	RD	3557534C1

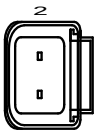
ENGINE J1939 (6803)
(LOCATED AT LEFT SIDE OF ENGINE)



CONNECTOR 3601919C1
BODY LOCK 3601921C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K5S128	20	YL	1651988C1
B	K5S108	20	GN	1651988C1
C	PLUG	-	-	-

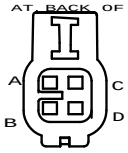
AFTER TREATMENT TEMP (6804)
(LOCATED AT BACK SIDE OF ENGINE)



CONNECTOR 3626435C1

CAV	CIRCUIT	GAUGE	COLOUR	TERMINAL
1	K95A	18	TN	3613771C1
2	K95-GA	18	WH	3613771C1

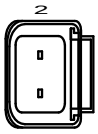
AFTER TREATMENT EGO (6805)
(LOCATED AT BACK OF THE ENGINE)



CONNECTOR 3964616C1
BODY LOCK 3964640C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K95-GB	18	WH	1661261C1
B	K95B	18	TN	1661261C1
C	K95C	18	TN	1661261C1
D	K95D	18	TN	1661261C1

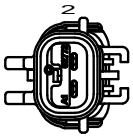
NG DETECT CLEAN POWER (6811)
(LOCATED AT BATTERY CABLES)



CONNECTOR 3626435C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K147L	14	RD	3613770C1
2	K147-G	14	WH	3613770C1

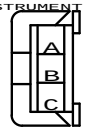
NG DETECT CLEAN POWER (6812)
(LOCATED AT BATTERY CABLES)



CONNECTOR 3924162C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K147L	14	RD	3618273C1
2	K147-G	14	WH	3618273C2

2 WAY RADIO OVERHEAD
(6900)
(LOCATED IN INSTRUMENT PANEL LEFT SIDE)



CONNECTOR 1661198C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A*	A14HF	14	RD	3566715C1
A*	A14HF	16	RD	1661209C1
B*	A11-GAP	14	WH	3566715C1
B*	A11-GAP	16	WH	1661209C1
C	A86P	16	LTGN	1661209C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	25JUN14	ADDED R/D 6900.	B	92603H	80000091	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 86976G	DATE 05FEB13

PART NO. AE08058187 SHEET 80B

Figure 708 Connector Composites (6802), (6803), (6804), (6805), (6811), (6812), (6900)

https://truckmanualshub.com/

13.192. CONNECTOR COMPOSITES (6901), (6925), (6969), (7070), P. 81

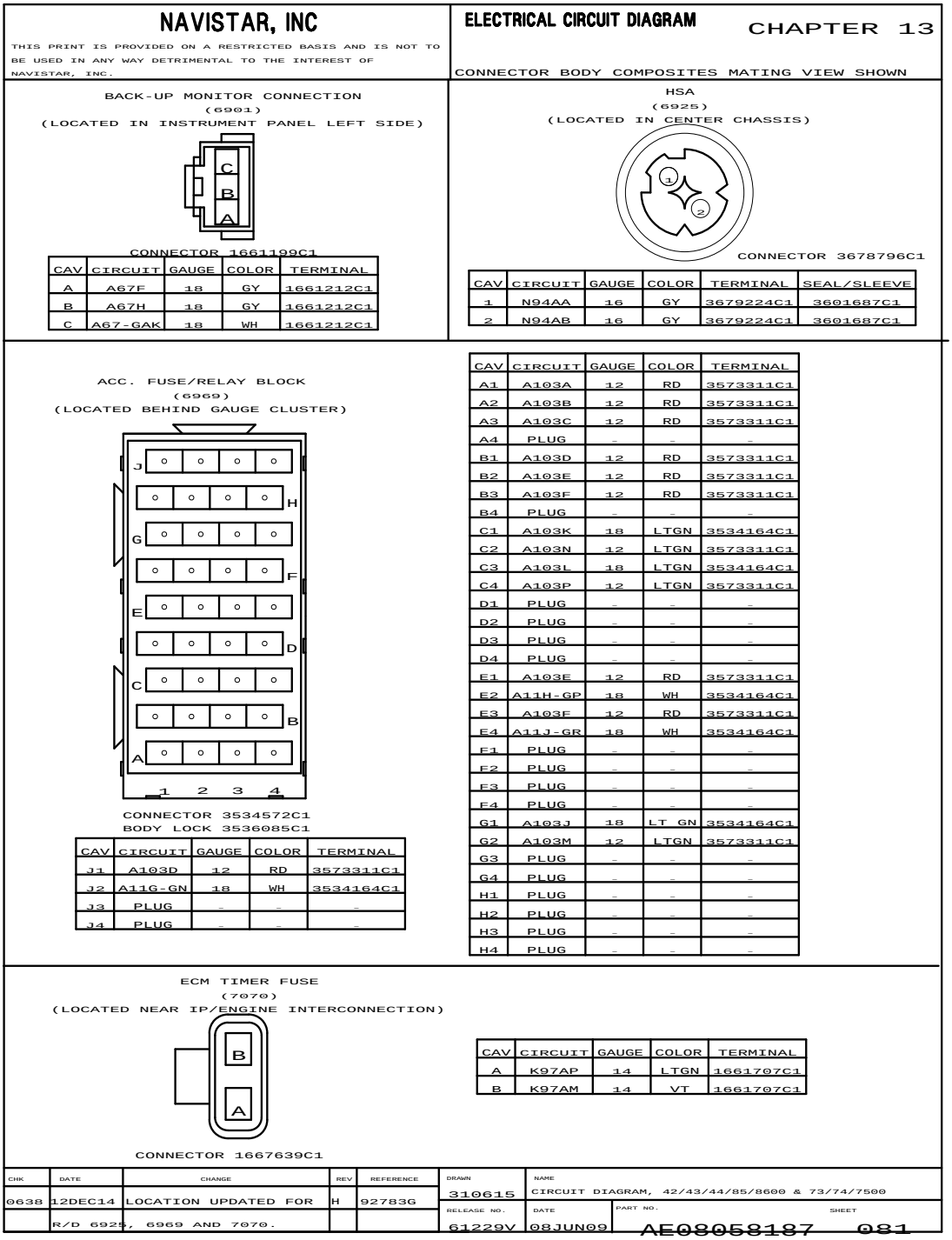


Figure 709 Connector Composites (6901), (6925), (6969), (7070)

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13.193. CONNECTOR COMPOSITES (7103M), P. 81A

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

TWO SPEED AXLE BOOT CONNECTOR
(7103M)
(LOCATED NEAR TRANSMISSION SHIFT TOWER)

CONNECTOR 1661198C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K93	18	TN	1661208C1
B	PLUG	-	-	-
C	K9TS	18	GY	1661208C1

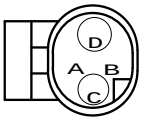
TWO SPEED AXLE BOOT CONNECTOR
(7103M)
(LOCATED NEAR TRANSMISSION SHIFT TOWER)

CONNECTOR 1661198C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	L93	18	TN	1661208C1
B	PLUG	-	-	-
C	L93G	18	TN	1661208C1

W/ DURASTAR

2-AXLE SPEED SWITCH CONNECTOR
(7103M)
(LOCATED NEAR TRANSMISSION SHIFT TOWER)



CONNECTOR 1661777C1

*W/I6 ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	PLUG	-	-	1661875C1	N/A
B	PLUG	-	-	1661875C1	N/A
C*	K93A	20	LT BL	1661875C1	3568570C1
D*	K9EA	18	TN	1661875C1	3568570C1

CHK	DATE	CHANGE	REV	REFERENCE
-	-	ADDED R/D 7103M.	B	92372W

DRAWN MJV0195
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92218B
DATE 30JUL13
PART NO. AE08058187
SHEET 81A

Figure 710 Connector Composites (7103M)

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13.194. CONNECTOR COMPOSITES (7104B), (7104F), (7105), P. 82

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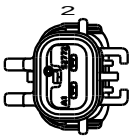
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

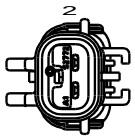
TRANSMISSION CLEAN GROUND
(7104F)
(LOCATED BY STARTER)



CONNECTOR 3924162C1
(W/ IBB ENGINE)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3573076C1
2	K92-G	14	WH	3618273C1

TRANSMISSION CLEAN GROUND
(7104B)
(LOCATED BY STARTER)

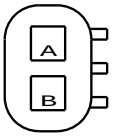


CONNECTOR 3924162C1
(W/2010 SCR 13L ENGINE)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	PLUG	-	-	-
B	K92-G	14	WH	3618273C1
B*	K92-G	12	WH	3612308C1

* W/ ALLISON TC10 TRANSMISSION

TRANSMISSION CLEAN POWER(7104F)
FOR XMSN ALLISON MD (WTEC)
(LOCATED BY STARTER)

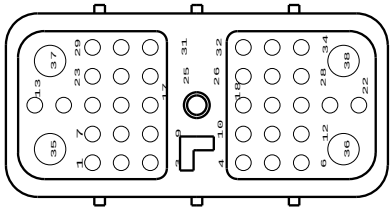


CONNECTOR 1671611C1
BODY LOCK 1671608C1

(W/ IBB ENGINE)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K92A170	14	RD	2033912C1	0589391C1
B	K92-G	14	WH	2033912C1	0589391C1

EATON GEN 3 TCM CONNECTOR
(7105)
(LOCATED ON LEFT SIDE OF TRANSMISSION)



CONNECTOR 3599542C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3527276C1
2	K5V(-)	18	GN	3555249C1
3	K5V(+)	18	YL	3555249C1
4	K17-GC	18	PK	3555249C1
5	PLUG	-	-	3527276C1
6	PLUG	-	-	3527276C1
7	PLUG	-	-	3527276C1
8	PLUG	-	-	3527276C1
9	PLUG	-	-	3527276C1
10	K3BA(+)	18	DKBL	3555249C1
11	K3BA(-)	18	GY	3555249C1
12	PLUG	-	-	3527276C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
13	PLUG	-	-	3527276C1
14	PLUG	-	-	3527276C1
15	PLUG	-	-	3527276C1
16	K92A	18	TN	3555249C1
17	K92B	18	TN	3555249C1
18	K92DP	18	TN	3555249C1
19	K92DL	16	TN	3555249C1
20	K92E	16	TN	3555249C1
21	K92F	18	TN	3555249C1
22	K92H	18	TN	3555249C1
23	PLUG	-	-	3527276C1
24	K92	18	TN	3518963C1
25	K92J	18	TN	3555249C1
26	K17C	16	PK	3555249C1
27	K98GN		GN	3555249C1
28	K98YL	18	YL	3555249C1
29	PLUG	-	-	3527276C1
30	PLUG	-	-	3527276C1
31	K92ER	18	TN	3555249C1
32	K17B	18	PK	3555249C1
33	K92DM	16	TN	3555249C1
34	K92DR	18	TN	3555249C1
35	K13A	14	PK	3557534C1
36	K10-GE	12	WH	3557534C1
37	PLUG	-	-	3527276C1
38	K14A	12	RD	3557534C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	09SEP15	ADDED TERMINAL	F	93248U
		3573076C1 IN R/D 7104F.		

DRAWN	NAME
310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO.	DATE / PART NO. / SHEET
61229V	08JUN09 AE08058187 082

Figure 711 Connector Composites (7104B), (7104F), (7105)

https://truckmanualshub.com/

13.195. CONNECTOR COMPOSITES (7105), (7106), (7107), P. 82A

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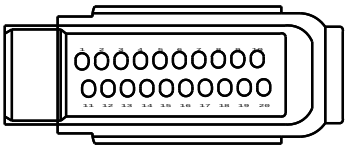
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

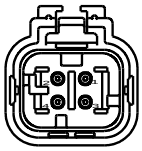
EATON PROCISION TCM
VEHICLE UPPER
(7105)



CONNECTOR 3765544C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K92(+)	18	YL	3766445C1	3554318C1
2	K92(-)	18	GN	3766445C1	3554318C1
3	K92B	18	TN	3766445C1	3554318C1
4	K92A	18	TN	3766445C1	3554318C1
5	K10B	16	WH	3766445C1	3554318C1
6	K14C	16	RD	3766445C1	3554318C1
7	PLUG	-	-		
8	K92C	18	TN	3766445C1	3554318C1
9	K92C	18	OR	3766445C1	3554318C1
9	K92D	18	TN	3766445C1	3554318C1
10	K92D	18	TN	3766445C1	3554318C1
11	K5D(+)	18	YL	3766445C1	3554318C1
12	K5D(-)	18	GN	3766445C1	3554318C1
13	PLUG	-	-		
14	K92G	18	TN	3766445C1	3554318C1
15	K10H	16	WH	3766445C1	3554318C1
16	K14J	16	RD	3766445C1	3554318C1
17	K92E	18	TN	3766445C1	3554318C1
18	K92D	18	BK	3766445C1	3554318C1
19	K92A	18	RD	3766445C1	3554318C1
20	PLUG	-	-		

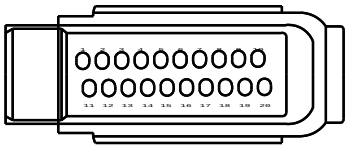
EATON PROCISION
TRANS RANGE SENSOR
(7107)



CONNECTOR 3765543C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K92A	18	RD	3869614C1
2	K92B	18	TN	3869614C1
3	K92C	18	OR	3869614C1
4	K92D	18	BK	3869614C1

EATON PROCISION BODY
CONN BACKSHELL
(7106)



CONNECTOR 3765545C1

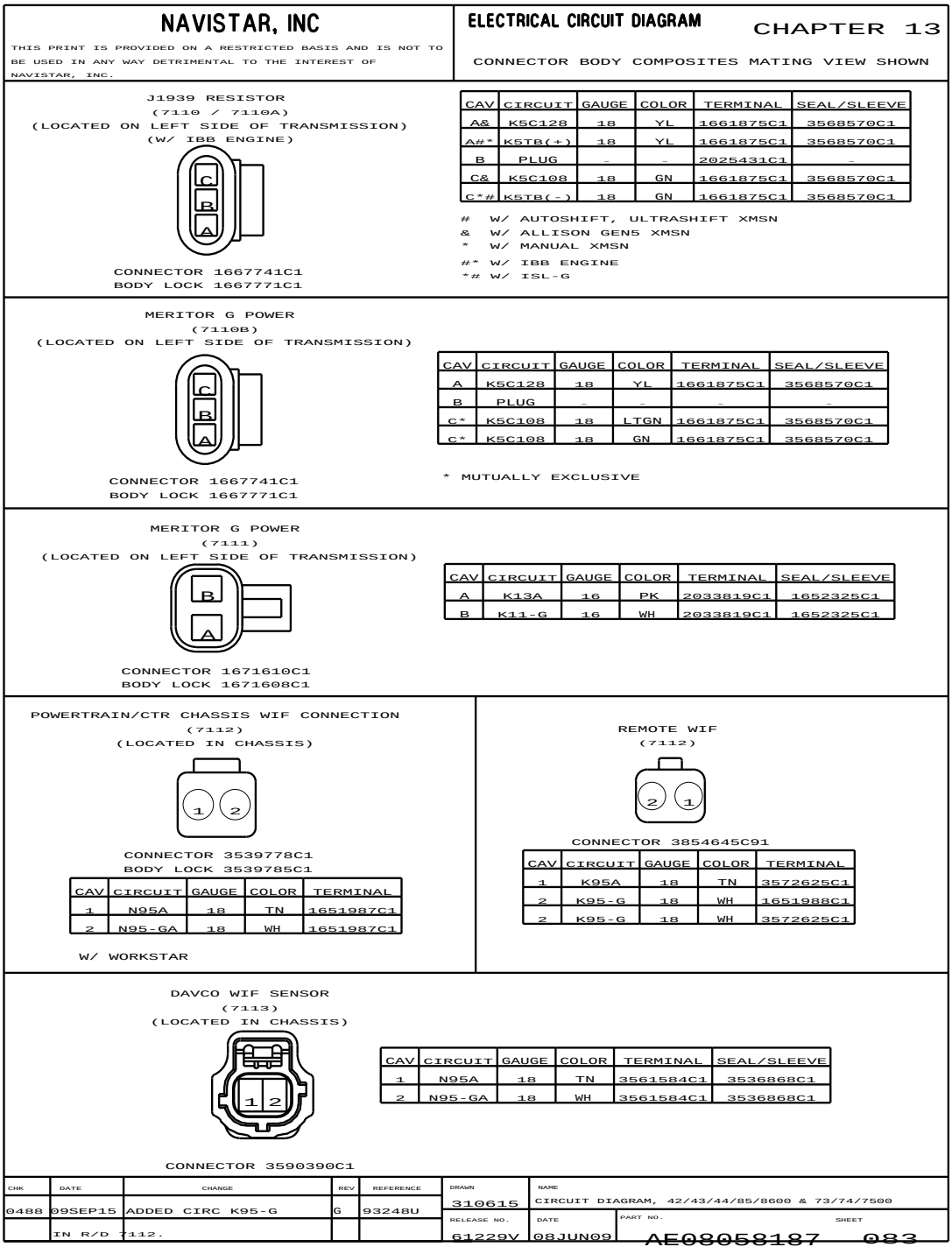
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K92K	18	TN	3766445C1	3554318C1
2	K92#102	18	TN	3766445C1	3554318C1
3	PLUG	-	-		
4	PLUG	-	-		
5	K92#105	18	TN	3766445C1	3554318C1
5	K92	18	TN	3766445C1	3554318C1
6	PLUG	-	-		
7	PLUG	-	-		
8	PLUG	-	-		
9	PLUG	-	-		
10	PLUG	-	-		
11	PLUG	-	-		
12	PLUG	-	-		
13	PLUG	-	-		
14	K92#114	18	TN	3766445C1	3554318C1
15	K92#115	18	TN	3766445C1	3554318C1
16	K92#116	18	TN	3766445C1	3554318C1
17	PLUG	-	-		
18	PLUG	-	-		
19	PLUG	-	-		
20	PLUG	-	-		

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
MJV04	13MAR16	EATON PROCISION	B	93408J	23136977	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	WAS EPS				RELEASE NO. 92974E	DATE 13MAR15 / PART NO. AE08068187 / SHEET 82A

Figure 712 Connector Composites (7105), (7106), (7107)

https://truckmanualshub.com/

13.196. CONNECTOR COMPOSITES (7110), (7110A), (7110B), (7111), (7112), (7113), P. 83



NAVISTAR, INC

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

J1939 RESISTOR
(7110 / 7110A)
(LOCATED ON LEFT SIDE OF TRANSMISSION)
(W/ IBB ENGINE)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A&	K5C128	18	YL	1661875C1	3568570C1
A#*	K5TB(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	2025431C1	-
C&	K5C108	18	GN	1661875C1	3568570C1
C*#	K5TB(-)	18	GN	1661875C1	3568570C1

\# W/ AUTOSHIFT, ULTRASHIFT XMSN
& W/ ALLISON GEN5 XMSN
* W/ MANUAL XMSN
#* W/ IBB ENGINE
*# W/ ISL-G

MERITOR G POWER
(7110B)
(LOCATED ON LEFT SIDE OF TRANSMISSION)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K5C128	18	YL	1661875C1	3568570C1
B	PLUG	-	-	-	-
C*	K5C108	18	LTGN	1661875C1	3568570C1
C*	K5C108	18	GN	1661875C1	3568570C1

* MUTUALLY EXCLUSIVE

MERITOR G POWER
(7111)
(LOCATED ON LEFT SIDE OF TRANSMISSION)

CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K13A	16	PK	2033819C1	1652325C1
B	K11-G	16	WH	2033819C1	1652325C1

POWERTRAIN/CTR CHASSIS WIF CONNECTION
(7112)
(LOCATED IN CHASSIS)

CONNECTOR 3539778C1
BODY LOCK 3539785C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N95A	18	TN	1651987C1
2	N95-GA	18	WH	1651987C1

W/ WORKSTAR

REMOTE WIF
(7112)

CONNECTOR 3854645C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K95A	18	TN	3572625C1
2	K95-G	18	WH	1651988C1
2	K95-G	18	WH	3572625C1

DAVCO WIF SENSOR
(7113)
(LOCATED IN CHASSIS)

CONNECTOR 3590390C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N95A	18	TN	3561584C1	3536868C1
2	N95-GA	18	WH	3561584C1	3536868C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	09SEP15	ADDED CIRC K95-G	G	93248U
		IN R/D 7112.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
SHEET 083

Figure 713 Connector Composites (7110), (7110A), (7110B), (7111), (7112), (7113)

https://truckmanualshub.com/

13.197. CONNECTOR COMPOSITES (7113), (7113A / 7113C / 7113E / 7113G), (7113B / 7113D / 7113F), P. 83A

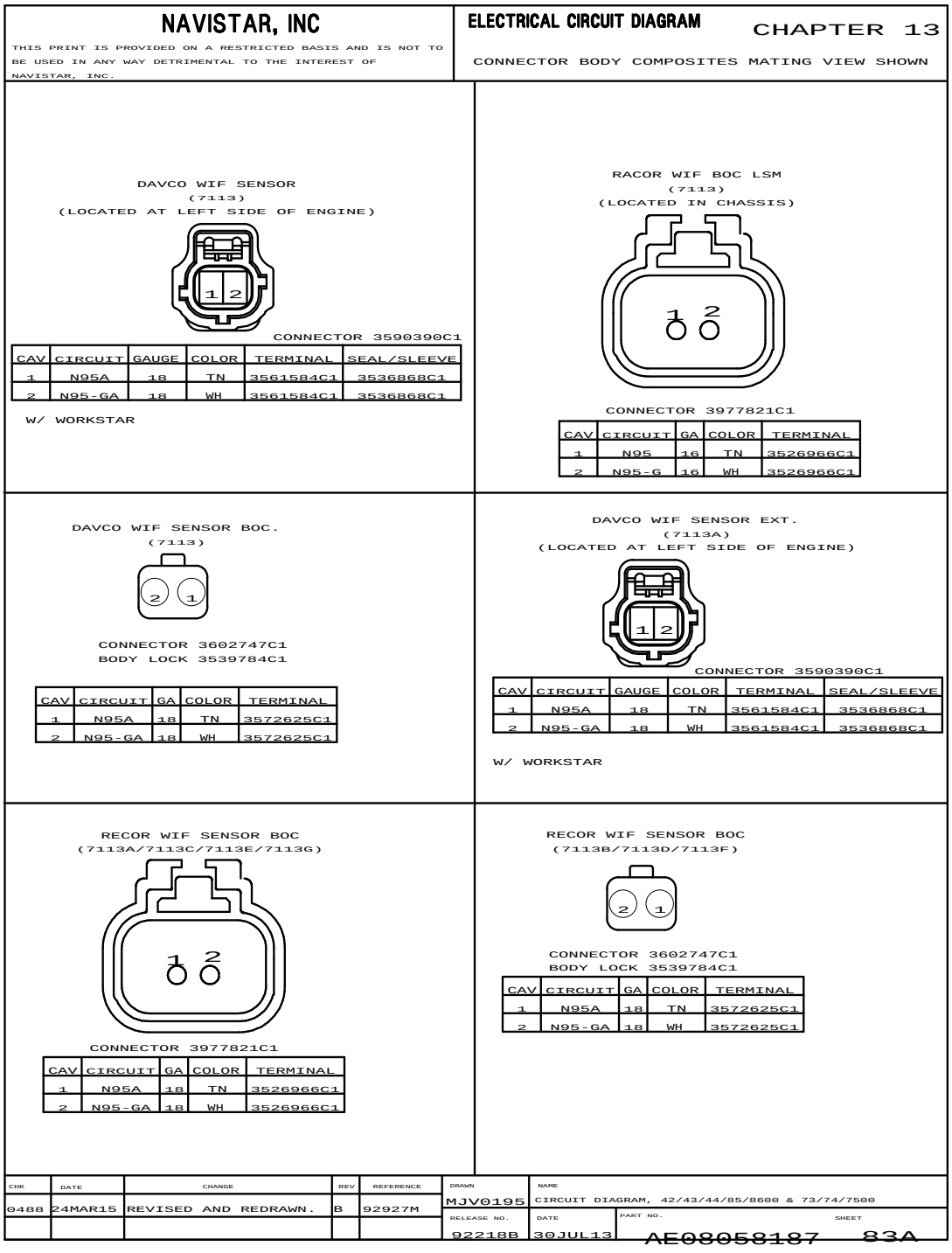

Figure 714 Connector Composites (7113), (7113A / 7113C / 7113E / 7113G), (7113B / 7113D / 7113F)

https://truckmanualshub.com/

13.198. CONNECTOR COMPOSITES (7150), (7150F2), (7152), P. 84

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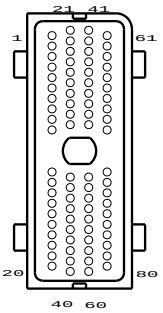
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

TRANSMISSION MODULE
(7150 / %7150F2)
(LOCATED AT TRANSMISSION TCM CONNECTION)
TRANSMISSION MODULE IN CAB
(7152)
(LOCATED IN CAB)



CONNECTOR 3605713C1
BODY LOCK 3606525C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K92#101	18	LTBL	3686945C1
2	-	-	-	-
3	K92#103	18	YL	3686945C1
3&	K92#103	18	LTBL	3686945C1
4	-	-	-	-
5	K92#105	18	OR	3686945C1
5%	K92#105	18	TN	3686945C1
6	-	-	-	-
7	-	-	-	-
8	K5A108	18	GN	3686945C1
8%	K5B108	18	GN	3686945C1
9##	K92C109	18	GY	3686945C1
9%	K92#109	18	GY	3686945C1
10##	K92B110	18	PK	3686945C1
10%	K92#110	18	PK	3686945C1
11	K92#111	18	OR	3686945C1
12*	K92A112	18	PK	3686945C1
12%	K92#12	18	TN	3686945C1
13	-	-	-	-
14	-	-	-	-
15	K92#115	18	WH	3686945C1
16	K92#116	18	LTBL	3686945C1
17%	K92A117	18	TN	3686945C1
17#	K92A117	18	LTBL	3686945C1
17**%	K92#117	18	TN	3686945C1
17#	K92#117	18	LTBL	3686945C1
18	K92#118	18	GY	3686945C1
19	K92#119	18	LTBL	3686945C1
20@@	K92C120	18	LTBL	3686945C1
20@	K92A120	18	LTBL	3686945C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
20%	K92#120	18	LTBL	3686945C1
21	-	-	-	-
22	K92#122	18	YL	3686945C1
23	K92#123	18	LTGN	3686945C1
23%	K92#123	18	LTBL	3686945C1
24*	K92#124	18	WH	3686945C1
24%	K92#124	18	TN	3686945C1
25##	K47A125	18	TN	3686945C1
25%	-	-	-	-
26	-	-	-	-
27	-	-	-	-
28	K5A128	18	YL	3686945C1
28%	K5B128	18	YL	3686945C1
29	-	-	-	-
30	K92#130	18	WH	3686945C1
31	K92A131	18	YL	3686945C1
31##	K92#131	18	YL	3686945C1
32	-	-	-	-
33	K92#133	18	YL	3686945C1
34%	K92#134	18	TN	3686945C1
34	K92#134	18	YL	3686945C1
35	-	-	-	-
36	K92#136	18	OR	3686945C1
37@@	K92#137	18	WH	3686945C1
37%	K92#137	18	TN	3686945C1
37&@	K92#137	18	WH	3686945C1
38	-	-	-	-
39	K48#139	18	OR	3686945C1
40	K47#140	18	LTGN	3686945C1
41**	K92A141	18	TN	3686945C1

\# MUTUALLY EXCLUSIVE
@@ W/ HEAVY DUTY
@ W/ MEDIUM DUTY
W/ WTEC
* W/ GEN4
** W/ AUTO NEUTRAL
% W/ IBB ENGINE
& W/ V8 ENGINE

CHART CONTINUED ON SHEET 84A

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	30SEP10	ADDED CIRC K92#115, K92#118, K92#119.	C	68076W

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
SHEET 084

Figure 715 Connector Composites (7150), (7150F2), (7152)

https://truckmanualshub.com/

13.199. CONNECTOR COMPOSITES (7150), (7150F2), (7152), P. 84A

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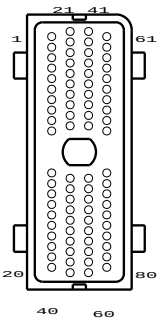
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CHART CONTINUED FROM SHEET 84

TRANSMISSION MODULE
(7150 / %7150F2)
(LOCATED AT TRANSMISSION TCM CONNECTION)
TRANSMISSION MODULE IN CAB
(7152)
(LOCATED IN CAB)



CONNECTOR 3605713C1
BODY LOCK 3606525C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
41	K92#141	18	TN	3686945C1
41**	K92A141	18	WH	3686945C1
42%	K92#142	18	TN	3686945C1
42*	K92#142	18	WH	3686945C1
42	K92A142	18	WH	3686945C1
43	K92#143	18	LTBL	3686945C1
44	_	_	_	_
45	K92#145	18	OR	3686945C1
46	_	_	_	_
47	_	_	_	_
48	_	_	_	_
49	_	_	_	_
50	_	_	_	_
51	K92#151	18	WH	3686945C1
52	K92#152	18	LTGN	3686945C1
53	_	_	_	_
54@@	K31#154	18	TN	3686945C1
54%	K92#154	18	TN	3686945C1
54&@	K31#154	18	TN	3686945C1
55@@	K92#155	18	WH	3686945C1
55%	K92#155	18	TN	3686945C1
55&@	K92#155	18	WH	3686945C1
56	K92#156	18	PK	3686945C1
56%	K92#156	18	TN	3686945C1
56&	_	_	_	_
57	K92#157	18	WH	3686945C1
58	K92A158	18	LTGN	3686945C1
58%	K92#158	18	LTGN	3686945C1
59	K48#159	18	TN	3686945C1
60	K47#160	18	YL	3686945C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
61*	K92#161	18	OR	3686945C1
61%	K92#161	18	TN	3686945C1
62	K92#162	18	YL	3686945C1
63##	K92#163	18	YL	3686945C1
63%	K92#163	18	TN	3686945C1
64	K92#164	18	LTBL	3686945C1
65	K92#165	18	TN	3686945C1
66	_	_	_	_
67	_	_	_	_
68	_	_	_	_
69##	K92B169	18	GY	3686945C1
69%	K92#169	18	TN	3686945C1
70#	K92#170	18	PK	3686945C1
70%	K92#170	18	TN	3686945C1
71@@	K92#171	18	YL	3686945C1
71%	K92#171	18	TN	3686945C1
71&@	K92#171	18	YL	3686945C1
72	_	_	_	_
73	_	_	_	_
74@@	K92#174	18	LTBL	3686945C1
74%	K92#174	18	TN	3686945C1
74&@	K92#174	18	LTBL	3686945C1
75	K92#175	18	OR	3686945C1
75&	_	_	_	_
76	K92#176	18	YL	3686945C1
77	K92#177	18	LTGN	3686945C1
78	_	_	_	_
79	_	_	_	_
80#	K92#180	18	OR	3686945C1
80#	K92#180	18	TN	3686945C1

\# MUTUALLY EXCLUSIVE
@@ W/ HEAVY DUTY
@ W/ MEDIUM DUTY
W/ WTEC
* W/ GEN4
** W/ AUTO NEUTRAL
% W/ IBB ENGINE
& W/ V8 ENGINE

CHK	DATE	CHANGE	REV	REFERENCE
CNA1	30SEP10	ADDED CIRC K92A141.	B	68076W

DRAWN 360070
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 19NOV09
PART NO. AE08058187
SHEET 84A

Figure 716 Connector Composites (7150), (7150F2), (7152)

https://truckmanualshub.com/

13.200. CONNECTOR COMPOSITES (7150), (7150F2), P. 85

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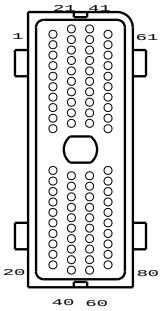
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

TCU CONNECTOR
(7150/7150F2)
(LOCATED AT TRANSMISSION TCM CONNECTION)



CONNECTOR 3605713C1
BODY LOCK 3606525C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K92#101	18	LTBL	3686945C1
2	PLUG	-	-	-
3	K92#103	18	YL	3686945C1
4	PLUG	-	-	-
5	K92#105	18	TN	3686945C1
6	K5B106	18	YL	3686945C1
7	PLUG	-	-	-
8#	K5B108	18	GN	3686945C1
8@	K5B108	18	LTGN	3686945C1
9	K92#109	18	GY	3686945C1
10	K92#110	18	PK	3686945C1
11	K92#111	18	OR	3686945C1
12	K92#112	18	TN	3686945C1
13	PLUG	-	-	-
14	PLUG	-	-	-
15	K92#115	18	WH	3686945C1
16	K92#116	18	LTBL	3686945C1
17*	K92#117	18	TN	3686945C1
17*	K92A117	18	TN	3686945C1
18	K92#118	18	TN	3686945C1
19	K92#119	18	LTBL	3686945C1
20*	K92#120	18	DKBL	3686945C1
20*	K92#120	18	LTBL	3686945C1
21	PLUG	-	-	-
22	K92#122	18	YL	3686945C1
23	K92#123	18	LTBL	3686945C1
24	K92#124	18	TN	3686945C1
25	K47A125	18	TN	3686945C1

W/ 2013 IBB ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
26	PLUG	-	-	-
27	K5B127	18	GN	3684945C1
28	K5B128	18	YL	3686945C1
29	PLUG	-	-	-
30	K92#130	18	WH	3686945C1
31	K92#131	18	YL	3686945C1
32	PLUG	-	-	-
33	K92#133	18	YL	3686945C1
34	K92#134	18	TN	3686945C1
35	PLUG	-	-	-
36	K92#136	18	OR	3686945C1
37	K92#137	18	TN	3686945C1
38	PLUG	-	-	-
39	K48#139	18	OR	3686945C1
40	K47#140	18	LTGN	3686945C1
41	K92#141	18	TN	3686945C1
42*	K92#142	18	TN	3686945C1
42*	K92#142	18	WH	3686945C1
43	K92#143	18	LTBL	3686945C1
44	PLUG	-	-	-
45	K92#145	18	OR	3686945C1
46	PLUG	-	-	-
47	PLUG	-	-	-
48	PLUG	-	-	-
49	PLUG	-	-	-
50	PLUG	-	-	-
51	K92#151	18	WH	3686945C1
52	K92#152	18	LTGN	3686945C1
53	PLUG	-	-	-
54	K92#154	18	TN	3686945C1
55	K92#155	18	TN	3686945C1
56	K92#156	18	TN	3686945C1
57	K92#157	18	WH	3686945C1
58	K92#158	18	LTGN	3686945C1
59	K48#159	18	TN	3686945C1
60	K47#160	18	YL	3686945C1

* MUTUALLY EXCLUSIVE
\# W/ALLISON GEN4 3000/3500 TRANSMISSION
@ W/ALLISON GEN4 4000/4500 TRANSMISSION
W/ RELOCATED TERM RESISTOR

CHART CONTINUED ON SHEET 85A

CHK	DATE	CHANGE	REV.	REFERENCE
0488	09SEP15	ADDED R/D 7150F2,	E	93248U
		CIRC K5B127,K5B106,K92#118.		

DRAWN 310615 | NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V | DATE 08JUN09 | PART NO. AE08058187 | SHEET 085

Figure 717 Connector Composites (7150), (7150F2)

https://truckmanualshub.com/

13.201. CONNECTOR COMPOSITES (7150), P. 85A

NAVISTAR, INC

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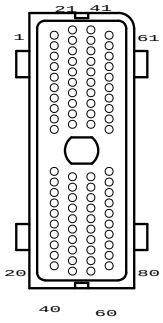
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CHART CONTINUED FROM SHEET 85

W/ 2013 IBB ENGINE

TCU CONNECTOR
(7150)
(LOCATED AT TRANSMISSION TCM CONNECTION)



CONNECTOR 3605713C1
BODY LOCK 3606525C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
61	K92#161	18	TN	3686945C1
62	K92#162	18	YL	3686945C1
63	K92#163	18	TN	3686945C1
64	K92#164	18	LTBL	3686945C1
65	K92#165	18	TN	3686945C1
66	PLUG	-	-	-
67	PLUG	-	-	-
68	PLUG	-	-	-
69	K92#169	18	TN	3686945C1
70	K92#170	18	TN	3686945C1
71	K92#171	18	TN	3686945C1
72	PLUG	-	-	-
73	PLUG	-	-	-
74	K92#174	18	TN	3686945C1
75	K92#175	18	OR	3686945C1
76	K92#176	18	YL	3686945C1
77	K92#177	18	LTGN	3686945C1
78	PLUG	-	-	-
79	PLUG	-	-	-
80*	K92#180	18	OR	3686945C1
80*	K92#180	18	TN	3686945C1

* MUTUALLY EXCLUSIVE
# W/ALLISON GEN4 3000/3500 TRANSMISSION
@ W/ALLISON GEN4 4000/4500 TRANSMISSION
W/ RELOCATED TERM RESISTOR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0610	12NOV13	INITIAL RELEASE.	A	92218B	MJV0195	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92218B	DATE 30JUL13
						PART NO. AE08058187
						SHEET 85A

Figure 718 Connector Composites (7150)

https://truckmanualshub.com/

13.202. CONNECTOR COMPOSITES (7150), P. 85B

NAVISTAR, INC

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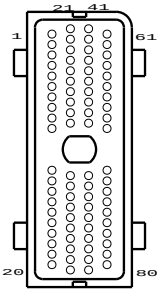
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

TRANS MODULE
(7150)
(LOCATED AT TRANSMISSION TCM CONNECTION)



CONNECTOR 3605713C1
BODY LOCK 3606525C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K92#101	18	LTBL	3686945C1
2	PLUG	-	-	3606525C1
3	K92#103	18	YL	3686945C1
4	PLUG	-	-	3606525C1
5	K92#105	18	OR	3686945C1
6	K5B106	18	YL	3686945C1
6	K5#106	18	YL	3686945C1
7	PLUG	-	-	3606525C1
8	K5A108	18	GN	3686945C1
9	K92C109	18	GY	3686945C1
10	K92B110	18	PK	3686945C1
11	K92#111	18	OR	3686945C1
12	K92A112	18	PK	3686945C1
13	PLUG	-	-	3606525C1
14	PLUG	-	-	3606525C1
15	K92#115	18	WH	3686945C1
16	K92#116	18	LTBL	3686945C1
17*	K92#117	18	LTBL	3686945C1
17#	K92A117	18	LTBL	3686945C1
18	K92#118	18	GY	3686945C1
19	K92#119	18	LTBL	3686945C1
20*	K92C120	18	LTBL	3686945C1
20*	K92A120	18	LTBL	3686945C1
21	PLUG	-	-	3606525C1
22	K92#122	18	YL	3686945C1
23	K92#123	18	LTGN	3686945C1
24	K92#124	18	WH	3686945C1
25	K47A125	18	TN	3686945C1
26	PLUG	-	-	3606525C1
27	K5B106	18	GN	3686945C1
27	K5#106	18	GN	3686945C1
28	K5A128	18	YL	3686945C1
29	PLUG	-	-	3606525C1
30	K92#130	18	WH	3686945C1
31	K92A131	18	YL	3686945C1
31	K92#131	18	YL	3686945C1
32	PLUG	-	-	3606525C1
33	K92#133	18	YL	3686945C1
34	K92#134	18	YL	3686945C1
35	PLUG	-	-	3606525C1

W/ I6 2010 SCR ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
36	K92#136	18	OR	3686945C1
37	K92#137	18	WH	3686945C1
38	PLUG	-	-	3606525C1
39	K48#139	18	OR	3686945C1
40	K47#140	18	LTGN	3686945C1
41*	K92#141	18	TN	3686945C1
42*	K92#142	18	WH	3686945C1
42#	K92A142	18	WH	3686945C1
43	K92#143	18	LTBL	3686945C1
44	PLUG	-	-	3606525C1
45	K92#145	18	OR	3686945C1
46	PLUG	-	-	3606525C1
47	PLUG	-	-	3606525C1
48	PLUG	-	-	3606525C1
49	PLUG	-	-	3606525C1
50	PLUG	-	-	3606525C1
51	K92#151	18	WH	3686945C1
52	K92#152	18	LTGN	3686945C1
53	PLUG	-	-	3606525C1
54	K31#154	18	TN	3686945C1
55	K92#155	18	WH	3686945C1
56	K92#156	18	PK	3686945C1
57	PLUG	-	-	3606525C1
58	K92A158	18	LTGN	3686945C1
59	K48#159	18	TN	3686945C1
60	K47#160	18	YL	3686945C1
61	K92#161	18	OR	3686945C1
62	K92#162	18	YL	3686945C1
63	K92#163	18	YL	3686945C1
64	K92#164	18	LTBL	3686945C1
65	K92#165	18	TN	3686945C1
66	PLUG	-	-	3606525C1
67	PLUG	-	-	3606525C1
68	PLUG	-	-	3606525C1
69	K92B169	18	GY	3686945C1
70	K92#170	18	PK	3686945C1
71	K92#171	18	YL	3686945C1
72	PLUG	-	-	3606525C1
73	PLUG	-	-	3606525C1
74	K92#174	18	LTBL	3686945C1
75	K92#175	18	OR	3686945C1
76	K92#176	18	YL	3686945C1
77	K92#177	18	LTGN	3686945C1
78	PLUG	-	-	3606525C1
79	PLUG	-	-	3606525C1
80	K92#180	18	OR	3686945C1

* STANDARD W/GEN5 W/MID/HIGH CAB
\# W/AUTO NEUT W/GEN5 W/MID/HIGH CAB

CHK	DATE	CHANGE	REV.	REFERENCE
0488	09SEP15	REVISED AND REDRAWN.	B	93248U

DRAWN 310615 — NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V — DATE 08JUN09 — PART NO. AE08058187 — SHEET 85B

Figure 719 Connector Composites (7150)

https://truckmanualshub.com/

13.203. CONNECTOR COMPOSITES (7151), P. 86

NAVISTAR, INC

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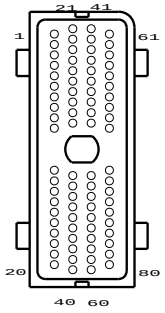
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CONTROL MODULE (7151)
(LOCATED AT TRANSMISSION TCM CONNECTION)



CONNECTOR 3605713C1
BODY LOCK 3606525C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K92#101	18	LTBL	3686945C1
2	-	-	-	-
3	K92#103	18	YL	3686945C1
4	-	-	-	-
5	K92#105	18	OR	3686945C1
6	K5#106	18	YL	3686945C1
7	-	-	-	-
8	K5#108	18	GN	3686945C1
9*	K92#109	18	GY	3686945C1
9#	K10B	18	BK	3686945C1
10*	K92A110	18	PK	3686945C1
10#	K14B	18	RD	3686945C1
11	K92#111	18	OR	3686945C1
12	-	-	-	-
13	-	-	-	-
14	K92#114	18	GY	3686945C1
15	-	-	-	-
16	-	-	-	-
17	K92#117	18	LTBL	3686945C1
18	-	-	-	-
19	-	-	-	-
20	K92#120	18	LTBL	3686945C1
21	-	-	-	-
22	-	-	-	-
23#	K92#123	18	LTGN	3686945C1
23*	K92#123	18	LTBL	3686945C1
24	-	-	-	-
25	K47#125	18	TN	3686945C1
26	-	-	-	-
27#	K5#127	18	GN	3686945C1
28	K5#128	18	YL	3686945C1
29	-	-	-	-
30	-	-	-	-
31#	K92A131	18	YL	3686945C1
32	-	-	-	-
33	K92#133	18	YL	3686945C1
34	K92#134	18	WH	3686945C1
35	-	-	-	-
36	K92#136	18	OR	3686945C1
37#	K92A137	18	WH	3686945C1
38	K92#138	18	OR	3686945C1
39	K92#139	18	OR	3686945C1
40	K92#140	18	LTGN	3686945C1
41*	K92#141	18	TN	3686945C1
41#	K92A141	18	TN	3686945C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
42	K92#142	18	WH	3686945C1
43	K92#143	18	LTBL	3686945C1
44	-	-	-	-
45	K92#145	18	OR	3686945C1
46	-	-	-	-
47	-	-	-	-
48	-	-	-	-
49	-	-	-	-
50	K92#150	18	PK	3686945C1
51	K92#151	18	WH	3686945C1
52	K92#152	18	LTGN	3686945C1
53	K92#153	18	YL	3686945C1
54	K31#154	18	TN	3686945C1
55	K92#155	18	WH	3686945C1
56	-	-	-	-
57	K92#157	18	WH	3686945C1
58	K92#158	18	LTGN	3686945C1
59	K48#159	18	TN	3686945C1
60	K47#160	18	YL	3686945C1
61	K92#161	18	TN	3686945C1
62	-	-	-	-
63	K92#163	18	YL	3686945C1
64	-	-	-	-
65	K92#165	18	TN	3686945C1
66	-	-	-	-
67	-	-	-	-
68	-	-	-	-
69*	K92#169	18	GY	3686945C1
69#	K10C	18	BK	3686945C1
70*	K92#170	18	PK	3686945C1
70#	K14C	18	RD	3686945C1
71	K92#171	18	YL	3686945C1
72	-	-	-	-
73	K92#173	18	LTBL	3686945C1
74	K92#174	18	LTBL	3686945C1
75	-	-	-	-
76	K92#176	18	YL	3686945C1
77	K92#177	18	LTGN	3686945C1
77#	K92#177	18	LTBL	3686945C1
78	K92#178	18	WH	3686945C1
79	K92#179	18	PK	3686945C1
80	K92#180	18	OR	3686945C1

* W/ IBB ENGINE
\# W/ CUMMINS ISB ENGINE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	09SEP15	ADDED CIRC K92#139	F	93248U	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		AND K92#140 IN R/D 7151.			RELEASE NO. 61229V	DATE 08JUN09 PART NO. AE08058187 SHEET 086

Figure 720 Connector Composites (7151)

https://truckmanualshub.com/

13.204. CONNECTOR COMPOSITES (7205), (7205F), P. 87

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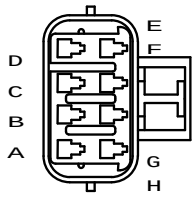
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

VIW A
(7205)
(LOCATED NEAR EXTERIOR
DASH NEAR PASS THRU)

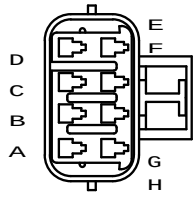


CONNECTOR 3525872C1
BODY LOCK 3525873C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K92B103	18	YL	1661875C1	3568570C1
B	K92#161	18	TN	1661875C1	3568570C1
C	K92#157	18	WH	1661875C1	3568570C1
D	K92#124	18	TN	1661875C1	3568570C1
E	K92#122	18	YL	1661875C1	3568570C1
F	K92#105	18	TN	1661875C1	3568570C1
G	K92#164	18	LTBL	1661875C1	3568570C1
H	K92#162	18	YL	1661875C1	3568570C1

W/ IBB ENGINE
W/ ISL-G

ALLISON 3 / 4000
ALLISON 1 / 2000
(7205F)
(LOCATED IN TRANSMISSION)



CONNECTOR 3525872C1
BODY LOCK 3525873C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A&	K92C103	18	YL	1661875C1	3568570C1
A&	K92B103	18	YL	1661875C1	3568570C1
B&	K92#143	18	LTBL	1661875C1	3568570C1
B&	K92#161	18	OR	1661875C1	3568570C1
C@#	K92#150	18	PK	1661875C1	3568570C1
C*	K92#157	18	WH	1661875C1	3568570C1
D&	K47C125	18	TN	1661875C1	3568570C1
D&	K92#124	18	WH	1661875C1	3568570C1
E&	K92#101	18	LTBL	1661875C1	3568570C1
E&@	K92B101	18	LTBL	1661875C1	3568570C1
E&	K92#122	18	YL	1661875C1	3568570C1
F&	K92#123	18	LTGN	1661875C1	3568570C1
F&	K92#105	18	OR	1661875C1	3568570C1
F**	K92A123	18	LTGN	1661875C1	3568570C1
G&	K92#145	18	OR	1661875C1	3568570C1
G&	K92#164	18	LTBL	1661875C1	3568570C1
G**	K92A145	18	OR	1661875C1	3568570C1
H&	K92#105	18	OR	1661875C1	3568570C1
H&	K92#162	18	YL	1661875C1	3568570C1

@ W/ I6 ENGINE
* W/ V8 ENGINE
# W/ CUMMINS ISB ENGINE
& MUTUALLY EXCLUSIVE
**W/ I6 2010 SCR ENGINE

CHK	DATE	CHANGE	REV	REFERENCE
0488	24JUN14	ADDED CIRC A92A123	G	92603H
		AND A92A145.		

DRAWN 310615 — NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V — DATE 08JUN09 — PART NO. AE08058187 — SHEET 087

Figure 721 Connector Composites (7205), (7205F)

https://truckmanualshub.com/

13.205. CONNECTOR COMPOSITES (7206), (7206F), (7207F), (7207M), P. 87A

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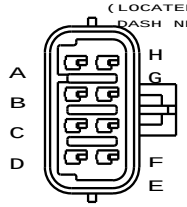
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

(7206)
(LOCATED NEAR EXTERIOR DASH NEAR PASS THRU)

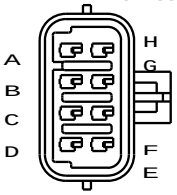


CONNECTOR 3525874C1
BODY LOCK 3525875C1

W/ IBB ENGINE
W/ ISL-G

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K92#101	18	LTBL	1667742C1	3568570C1
B	K92#117	18	TN	1667742C1	3568570C1
C	K92A103	18	YL	1667742C1	3568570C1
D	K92#143	18	LTBL	1667742C1	3568570C1
E	K92#142	18	WH	1667742C1	3568570C1
E	K92#142	18	TN	1667742C1	3568570C1
F	K92#145	18	OR	1667742C1	3568570C1
G	K92#130	18	WH	1667742C1	3568570C1
H	K92#123	18	LTBL	1667742C1	3568570C1

ALLISON 3 / 4000
(7206F)
(LOCATED IN TRANSMISSION)

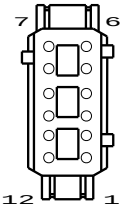


CONNECTOR 3525874C1
BODY LOCK 3525875C1

W/ I6 ENGINE
* W/CUMMINS ISB ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K92#101	18	LTBL	1667742C1	3568570C1
A#	K92B101	18	LTBL	1667742C1	3568570C1
B	K92#117	18	LTBL	1667742C1	3568570C1
C	K92C103	18	YL	1667742C1	3568570C1
C#	K92A103	18	YL	1667742C1	3568570C1
D	K92#143	18	LTBL	1667742C1	3568570C1
E	K92#142	18	WH	1667742C1	3568570C1
F	K92#145	18	OR	1667742C1	3568570C1
G	K92#130	18	WH	1667742C1	3568570C1
G*	K92#130	18	YL	1667742C1	3568570C1
H	K92#123	18	LTGN	1667742C1	3568570C1

ENGINE ECM BODY BUILDER
(7207M)
(LOCATED ON LEFT SIDE OF ENGINE)

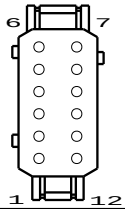


CONNECTOR 3586750C1
BODY LOCK 3553460C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	K97CB	18	PL	3518963C1
2*	K46A	18	GY	3518963C1
2#	K46A	20	GY	3518963C1
3*	K97CC	18	PL	3518963C1
4*	K46B	18	GY	3518963C1
4#	K46B	20	GY	3518963C1
5*	K97AR	18	PL	3518963C1
5#	K97AR	20	PL	3518963C1
6*	K47B	18	GY	3518963C1
6#	K9C	20	GY	3518963C1
6*	K47C	18	GY	3518963C1
7#	K6C	18	GY	3518963C1
8*	K97FV	18	PL	3518963C1
8#	K99A	20	PL	3518963C1
9*	K97DF	18	PL	3518963C1
9#	K97XC	20	TN	3727971C1
10*	K97WA	18	PL	3518963C1
10#	K99B	20	PL	3518963C1
11*	K97XC	18	PL	3518963C1
11#	K99C	20	PL	3518963C1
12*	K99F	18	PL	3518963C1
12#	K99F	20	PL	3518963C1

* W/ I6 INGINE
# W/ CUMMINS ISB ENGINE

ENGINE BODY BUILDER
(7207F)



CONNECTOR 3586750C1
BODY LOCK 3553460C1

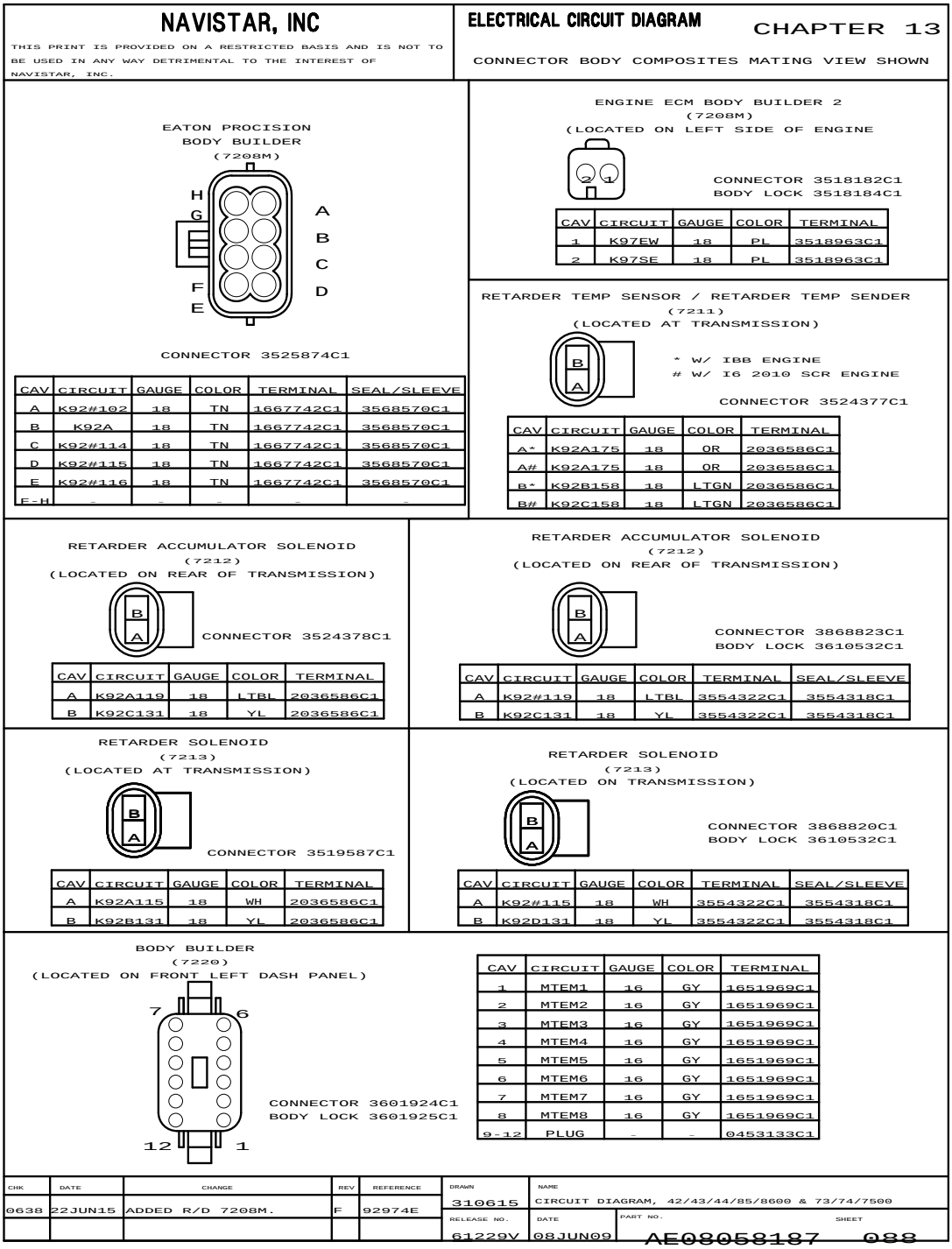
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3527276C1
2	K46A	20	GY	3727971C1
3	PLUG	-	-	3527276C1
4	K46B	20	GY	3727971C1
5	K97AR	20	PL	3727971C1
6	K9C-G	20	GY	3727971C1
7	K6C	18	GY	3518963C1
8	K99A	20	PL	3727971C1
9	PLUG	-	-	3527276C1
10	K99B	20	PL	3727971C1
11	K99C	20	PL	3727971C1
12	K99F	20	PL	3727971C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	09SEP15	ADDED CIRC K92#142	F	93248U	MJV0195	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	IN R/D 7206.				RELEASE NO. 92218B	DATE 30JUL13 PART NO. AE08058187 SHEET 87A

Figure 722 Connector Composites (7206), (7206F), (7207F), (7207M)

https://truckmanualshub.com/

13.206. CONNECTOR COMPOSITES (7208M), (7211), (7212), (7213), (7220), P. 88



NAVISTAR, INC

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ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

EATON PROCISION BODY BUILDER (7208M)

H G F E A B C D

CONNECTOR 3525874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K92#102	18	TN	1667742C1	3568570C1
B	K92A	18	TN	1667742C1	3568570C1
C	K92#114	18	TN	1667742C1	3568570C1
D	K92#115	18	TN	1667742C1	3568570C1
E	K92#116	18	TN	1667742C1	3568570C1
F-H	-	-	-	-	-

ENGINE ECM BODY BUILDER 2 (7208M) (LOCATED ON LEFT SIDE OF ENGINE

2 1

CONNECTOR 3518182C1
BODY LOCK 3518184C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K97EW	18	PL	3518963C1
2	K97SE	18	PL	3518963C1

RETARDER TEMP SENSOR / RETARDER TEMP SENDER (7211) (LOCATED AT TRANSMISSION)

B A

* W/ IBB ENGINE
# W/ I6 2010 SCR ENGINE

CONNECTOR 3524377C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A*	K92A175	18	OR	2036586C1
A#	K92A175	18	OR	2036586C1
B*	K92B158	18	LTGN	2036586C1
B#	K92C158	18	LTGN	2036586C1

RETARDER ACCUMULATOR SOLENOID (7212) (LOCATED ON REAR OF TRANSMISSION)

B A

CONNECTOR 3524378C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K92A119	18	LTBL	2036586C1
B	K92C131	18	YL	2036586C1

RETARDER ACCUMULATOR SOLENOID (7212) (LOCATED ON REAR OF TRANSMISSION)

B A

CONNECTOR 3868823C1
BODY LOCK 3610532C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K92#119	18	LTBL	3554322C1	3554318C1
B	K92C131	18	YL	3554322C1	3554318C1

RETARDER SOLENOID (7213) (LOCATED AT TRANSMISSION)

B A

CONNECTOR 3519587C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K92A115	18	WH	2036586C1
B	K92B131	18	YL	2036586C1

RETARDER SOLENOID (7213) (LOCATED ON TRANSMISSION)

B A

CONNECTOR 3868820C1
BODY LOCK 3610532C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K92#115	18	WH	3554322C1	3554318C1
B	K92D131	18	YL	3554322C1	3554318C1

BODY BUILDER (7220) (LOCATED ON FRONT LEFT DASH PANEL)

7 6 12 1

CONNECTOR 3601924C1
BODY LOCK 3601925C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	MTEM1	16	GY	1651969C1
2	MTEM2	16	GY	1651969C1
3	MTEM3	16	GY	1651969C1
4	MTEM4	16	GY	1651969C1
5	MTEM5	16	GY	1651969C1
6	MTEM6	16	GY	1651969C1
7	MTEM7	16	GY	1651969C1
8	MTEM8	16	GY	1651969C1
9-12	PLUG	-	-	0453133C1

CHK	DATE	CHANGE	REV	REFERENCE
0638	22JUN15	ADDED R/D 7208M.	F	92974E

DRAWN 310615 — NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V — DATE 08JUN09 — PART NO. AE08058187 — SHEET 088

Figure 723 Connector Composites (7208M), (7211), (7212), (7213), (7220)

https://truckmanualshub.com/

13.207. CONNECTOR COMPOSITES (7250), (7250M), (7251M), P. 89

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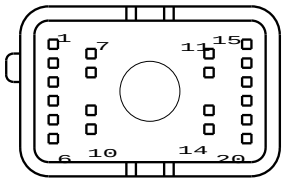
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

TCM BULKHEAD CONNECTOR
(7250/7250M)
(LOCATED AT TRANSMISSION TCM CONNECTION)

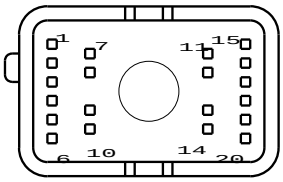


CONNECTOR 3605715C1
BODY LOCK 3606532C1

* W/ALLISON GEN5 3000/3500 TRANSMISSION
\# W/ALLISON GEN5 3000/3500/4000/4500 TRANSMISSION
% W/I6 2010 SCR ENGINE
@ W/ALLISON 3000 W/CUMMINS ISB ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K92#111	18	OR	3686945C1
2	K92#155	18	TN	3686945C1
2%	K92#155	18	WH	3686945C1
3	K92#177	18	LTGN	3686945C1
4	K92#136	18	OR	3686945C1
5	K92#152	18	LTGN	3686945C1
6	K92#171	18	TN	3686945C1
6%	K92#171	18	YL	3686945C1
7	K92#118	18	TN	3686945C1
8	K92#174	18	TN	3686945C1
8%	K92#174	18	LTBL	3686945C1
9	K92#133	18	YL	3686945C1
10	K92#151	18	WH	3686945C1
11*	K92#131	18	YL	3686945C1
11#	K92A131	18	YL	3686945C1
11%	K92131	18	YL	3686945C1
11@	K92B131	18	YL	3686945C1
12	K92#137	18	TN	3686945C1
12%	K92#137	18	WH	3686945C1
13	K92#180	18	TN	3686945C1
13%	K92#180	18	OR	3686945C1
14	K92#120	18	LTBL	3686945C1
14%	K92A120	18	LTBL	3686945C1
15	K92#116	18	LTBL	3686945C1
16*	K92#112	18	TN	3686945C1
16#	K92A112	18	TN	3686945C1
16%	K92C112	18	PK	3686945C1
16%	K92A112	18	PK	3686945C1
17	K92#118	18	TN	3686945C1
17%	K92#118	18	GY	3686945C1
18	K92#154	18	TN	3686945C1
18%	K31#154	18	TN	3686945C1
19*	K92#158	18	LTGN	3686945C1
19#	K92A158	18	LTGN	3686945C1
19%	K92B158	18	LTGN	3686945C1
20	K92#176	18	YL	3686945C1

TRANSMISSION BULKHEAD 4000
(7251M)
(LOCATED AT TRANSMISSION BULKHEAD CONNECTION)



CONNECTOR 3605715C1
BODY LOCK 3606532C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K92#111	18	OR	3686945C1
2	K92#155	18	WH	3686945C1
3	K92#177	18	LTGN	3686945C1
4	K92#136	18	OR	3686945C1
5	K92#152	18	LTGN	3686945C1
6	K92#171	18	YL	3686945C1
7	PLUG	-	-	-
8	K92#174	18	LTBL	3686945C1
9	K92#133	18	YL	3686945C1
10	K92#151	18	WH	3686945C1
11	K92A131	18	YL	3686945C1
12	K92#137	18	WH	3686945C1
13	PLUG	-	-	-
14	PLUG	-	-	-
15	K92#116	18	LTBL	3686945C1
16	K92A112	18	PK	3686945C1
17	K92#118	18	GY	3686945C1
18	K31#154	18	TN	3686945C1
19	K92A158	18	LTGN	3686945C1
20	K92#176	18	YL	3686945C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	09SEP15	ADDED CIRC K92#118	H	93248U
	IN R/D 7250/7250M.			

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
SHEET 089

Figure 724 Connector Composites (7250), (7250M), (7251M)

https://truckmanualshub.com/

13.208. CONNECTOR COMPOSITES (7350), P. 89A

NAVISTAR, INC

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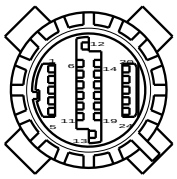
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

TRANSMISSION BULKHEAD
(7350)
(LOCATED AT TRANSMISSION BULKHEAD CONNECTION)

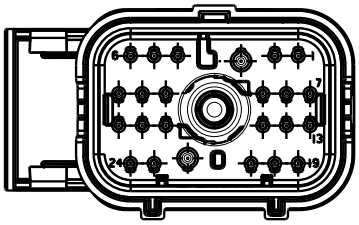


CONNECTOR 3605714C1
BODY LOCK 3606526C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K92#152	18	LTGN	3686945C1
2	K92#133	18	YL	3686945C1
3*	K92#151	18	WH	3686945C1
3*	K92#151	18	TN	3686945C1
4	K92#117	18	LTBL	3686945C1
5	-	-	-	-
6	K92#157	18	WH	3686945C1
7	K92#179	18	PK	3686945C1
8@	K31#154	18	TN	3686945C1
8#	K92#154	18	TN	3686945C1
9	K92#158	18	LTGN	3686945C1
10	K92#178	18	WH	3686945C1
11*	K92#177	18	LTGN	3686945C1
11*#	K92#177	18	LTBL	3686945C1
12	K92A137	18	WH	3686945C1
13	K92A131	18	YL	3686945C1
14	K92#111	18	OR	3686945C1
15	K92#155	18	WH	3686945C1
16	K92#171	18	YL	3686945C1
17	K92#136	18	OR	3686945C1
18	K92#138	18	OR	3686945C1
19	K92#174	18	LTBL	3686945C1
20	K92#114	18	GY	3686945C1
21	K92#153	18	YL	3686945C1
22	K92#173	18	LTBL	3686945C1
23	K92#134	18	WH	3686945C1
24	K92#176	18	YL	3686945C1

* MUTUALLY EXCLUSIVE
# W/ CUMMINS ISB ENGINE
@ W/ I6 ENGINE

TC10 TCU
(7350)



CONNECTOR 3755755C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1-2	PLUG	-	-	3755756C1
3	K92-G	12	WH	3755757C1
4	K92#165	18	TN	3733188C1
5	PLUG	-	-	3755756C1
6	K5B106	18	YL	3733188C1
7-9	PLUG	-	-	3755756C1
10	K47A125	18	TN	3733188C1
11	PLUG	-	-	3755756C1
12	K5B108	18	GN	3733188C1
13-15	PLUG	-	-	3755756C1
16	K92#163	18	TN	3733188C1
17	K5B117	18	GN	3733188C1
18	K5B128	18	YL	3733188C1
19	K92#134	18	TN	3733188C1
20	K92#141	18	TN	3733188C1
21	PLUG	-	-	3755756C1
22	K92#110	12	RD	3755757C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	09SEP15	REVISED AND REDRAWN.	D	93248U

DRAWN MJV0088 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92218B | DATE 30JUL13 | PART NO. AE08058187 | SHEET 89A

Figure 725 Connector Composites (7350)

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13.209. CONNECTOR COMPOSITES (7500), P. 89B

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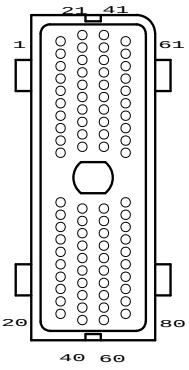
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

TRANSMISSIOM CONTROL MODULE
(7500)
(LOCATED IN ENGINE SIDE)



CONNECTOR 3605713C1
BODY LOCK 3606525C1

CAV	CIRCUIT	GA	COLOR	TERMINAL
53	PLUG	-	-	-
54	K31#154	18	TN	3686945C1
55	K92#155	18	WH	3686945C1
56	K92#156	18	PK	3686945C1
57	PLUG	-	-	-
58	K92#158	18	LTGN	3686945C1
59	K48#159	18	TN	3686945C1
60	K47#160	18	YL	3686945C1
61	K92#161	18	OR	3686945C1
62	K92#162	18	YL	3686945C1
63	K92#163	18	YL	3686945C1
64	K92#164	18	LTBL	3686945C1
65	K92#165	18	TN	3686945C1
66	PLUG	-	-	-
67	PLUG	-	-	-
68	PLUG	-	-	-
69	K92#169	18	WH	3686945C1
70	K92#170	18	RD	3686945C1
71	K92#171	18	YL	3686945C1
72	PLUG	-	-	-
73	PLUG	-	-	-
74	K92#174	18	LTBL	3686945C1
75	K92#175	18	OR	3686945C1
76	K92#176	18	YL	3686945C1
77	K92#177	18	LTGN	3686945C1
78	PLUG	-	-	-
79	PLUG	-	-	-
80	K92#180	18	OR	3686945C1

CAV	CIRCUIT	GA	COLOR	TERMINAL
1	K92#101	18	LTBL	3686945C1
2	PLUG	-	-	-
3	K92#103	18	YL	3686945C1
4	PLUG	-	-	-
5	K92#105	18	OR	3686945C1
6	K5#106	18	YL	3686945C1
7	PLUG	-	-	-
8	K5B(-)	18	GN	3686945C1
8	K5#108	18	GN	3686945C1
9	K92#109	18	WH	3686945C1
10	K92#110	18	RD	3686945C1
11	K92#111	18	OR	3686945C1
12	K92A112	18	PK	3686945C1
13	PLUG	-	-	-
14	PLUG	-	-	-
15	K92#115	18	WH	3686945C1
16	K92#116	18	LTBL	3686945C1
17	K92#117	18	LTBL	3686945C1
17	K92A117	18	LTBL	3686945C1
18	K92#118	18	GY	3686945C1
19	K92#119	18	LTBL	3686945C1
20	K92A120	18	LTBL	3686945C1
21	PLUG	-	-	-
22	K92#122	18	YL	3686945C1
23	K92#123	18	LTGN	3686945C1
24	K92#124	18	WH	3686945C1
25	PLUG	-	-	-
26	PLUG	-	-	-
27	K5#127	18	GN	3686945C1
28	K5B(+)	18	YL	3686945C1
28	K5#128	18	YL	3686945C1
29	PLUG	-	-	-
30	K92#130	18	YL	3686945C1
31	K92#131	18	YL	3686945C1
32	PLUG	-	-	-
33	K92#133	18	YL	3686945C1
34	K92#134	18	YL	3686945C1
35	PLUG	-	-	-
36	K92#136	18	OR	3686945C1
37	K92#137	18	WH	3686945C1
38	PLUG	-	-	-
39	K48#139	18	OR	3686945C1
40	K47#140	18	LTGN	3686945C1
41	K92A141	18	TN	3686945C1
42	K92#142	18	WH	3686945C1
42	K92A142	18	WH	3686945C1
43	K92#143	18	LTBL	3686945C1
44	PLUG	-	-	-
45	K92#145	18	OR	3686945C1
46	PLUG	-	-	-
47	PLUG	-	-	-
48	PLUG	-	-	-
49	PLUG	-	-	-
50	PLUG	-	-	-
51	K92#151	18	WH	3686945C1
52	K92#152	18	LTGN	3686945C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	24MAR15	ADDED R/D 7500M, RMVD	B	92927M	MJV0222	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		R/D 7500M, 7500MA,7500W.			RELEASE NO. 84576N	DATE 13JAN14
						PART NO. AE08058187 SHEET 89B

Figure 726 Connector Composites (7500)

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13.210. CONNECTOR COMPOSITES (7500M), (7500MA), (7500W), P. 89C

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

MERITOR G BACK-UP LIGHT
(7500M)
(LOCATED ON TOP REAR OF TRANSMISSION)

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K71B	16	OR	1661875C1	1661872C1
A#	K71A	18	OR	3758251C1	3568570C1
B	K71C	16	OR	1661875C1	1661872C1
B#	K71B	18	TN	3758251C1	3568570C1

W/ CUMMINS ISB ENGINE

BACK-UP LIGHT
(7500M)
(LOCATED ON TOP REAR OF TRANSMISSION)

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	L71B	16	OR	1661875C1	1661872C1
B	L71C	16	OR	1661875C1	1661872C1

W/ DURASTAR

MERITOR G BACK-UP LIGHT
(7500MA)
(LOCATED ON TOP REAR OF TRANSMISSION)

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K71D	16	OR	1661875C1	1661872C1
B	K71E	16	OR	1661875C1	1661872C1

REVERSE LIGHT
(7500W)
(LOCATED ON TOP OF TRANSMISSION

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K71A	16	OR	1661875C1	1661872C1
B	K71B	16	OR	1661875C1	1661872C1

REVERSE LIGHT
(7500W)
(LOCATED ON TOP OF TRANSMISSION

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K71B	16	OR	1661875C1	1661872C1
B	K71C	16	OR	1661875C1	1661872C1

W/ WORKSTAR

CHK	DATE	CHANGE	REV	REFERENCE
0488	24MAR15	INITIAL RELEASE.	A	92927M

DRAWN: MJV0370
NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO.: 92927M
DATE: 11FEB15
PART NO.: AE08058187
SHEET: 89C

Figure 727 Connector Composites (7500M), (7500MA), (7500W)

https://truckmanualshub.com/

13.211. CONNECTOR COMPOSITES (7501), (7502), (7502M), (7600), (7600A), P. 90

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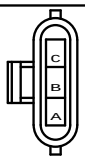
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

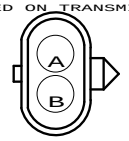
ECA
(7501)
(LOCATED IN ENGINE)



CONNECTOR 1667733C1
BODY LOCK 1667734C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	PLUG	-	-	1675451C1	-
B	K11-G	10	WH	1667737C1	1667735C1
C	K14N	10	RD	1667737C1	1667735C1

XMSN PTO
(7502)
(LOCATED ON TRANSMISSION)



CONNECTOR 0587567C91

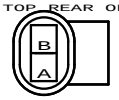
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K92DP	18	TN	0587578C1	1652325C1
B	K92DR	18	TN	0587578C1	1652325C1

BACK-UP LIGHT
(7502M)
(LOCATED ON TOP REAR OF TRANSMISSION)

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K71	18	OR	1661875C1	1661872C1
B	K71A	16	OR	1661875C1	1661872C1

VEHICLE SPEED SENSOR
(7600)
(LOCATED ON TOP REAR OF TRANSMISSION)

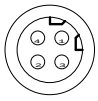


CONNECTOR 3662425C1
BODY LOCK 3662518C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K47	18	GY	3554322C1	3554318C1
A*	K47C	20	GY	3756267C1	3756268C1
B	K47A	18	GY	3554322C1	3554318C1
B*	K47B	20	GY	3756267C1	3756268C1

* W/MANUAL XMSN SPEEDO CIRCUIT

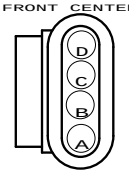
TACHOGRAPH SPEED SENSOR
(7600)
(LOCATED ON TOP REAR OF TRANSMISSION)



CONNECTOR 3714731C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K47TA	14	GY	3679224C1	3601687C1
2	K47TB	14	GY	3679224C1	3601687C1
3	K47TC	14	GY	3679224C1	3601687C1
4	K47TD	14	GY	3679224C1	3601687C1

TACHOGRAPH SENSOR
(7600A)
(LOCATED ON FRONT CENTER DASH PANEL)



CONNECTOR 3535482C1
BODY LOCK 3535483C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K47TA	18	GY	2033816C1	0589391C1
B	K47TB	14	GY	2033816C1	0589391C1
C	K47TC	14	GY	2033816C1	0589391C1
D	K14TD	14	GY	2033816C1	0589391C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	24MAR15	ADDED CIRC K47C AND	E	92927M
	K47B IN	R/D 7600.		

DRAWN 310615 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V | DATE 08JUN09 | PART NO. AE08058187 | SHEET 090

Figure 728 Connector Composites (7501), (7502), (7502M), (7600), (7600A)

https://truckmanualshub.com/

13.212. CONNECTOR COMPOSITES (7600A), (7600M), (7601), P. 90A

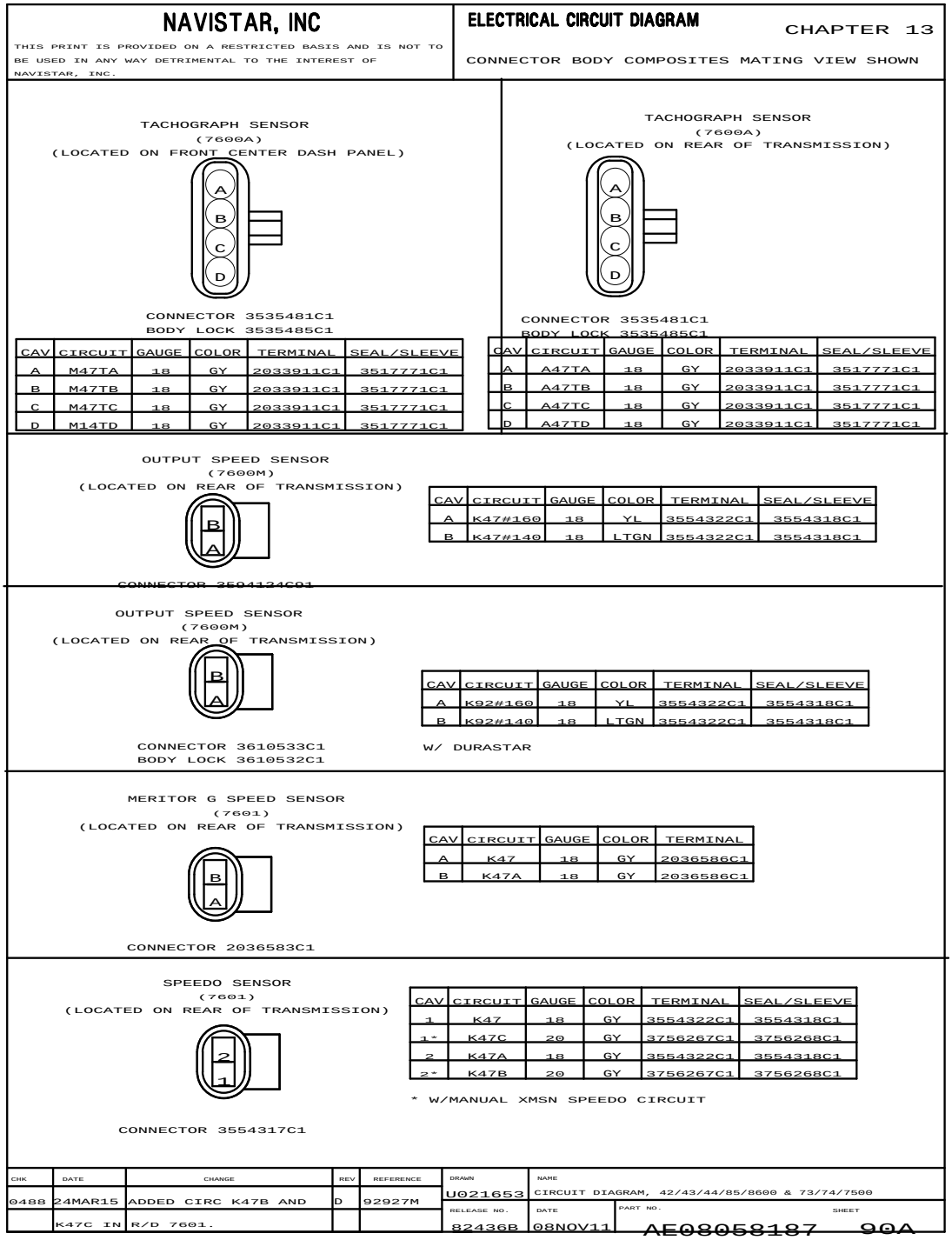
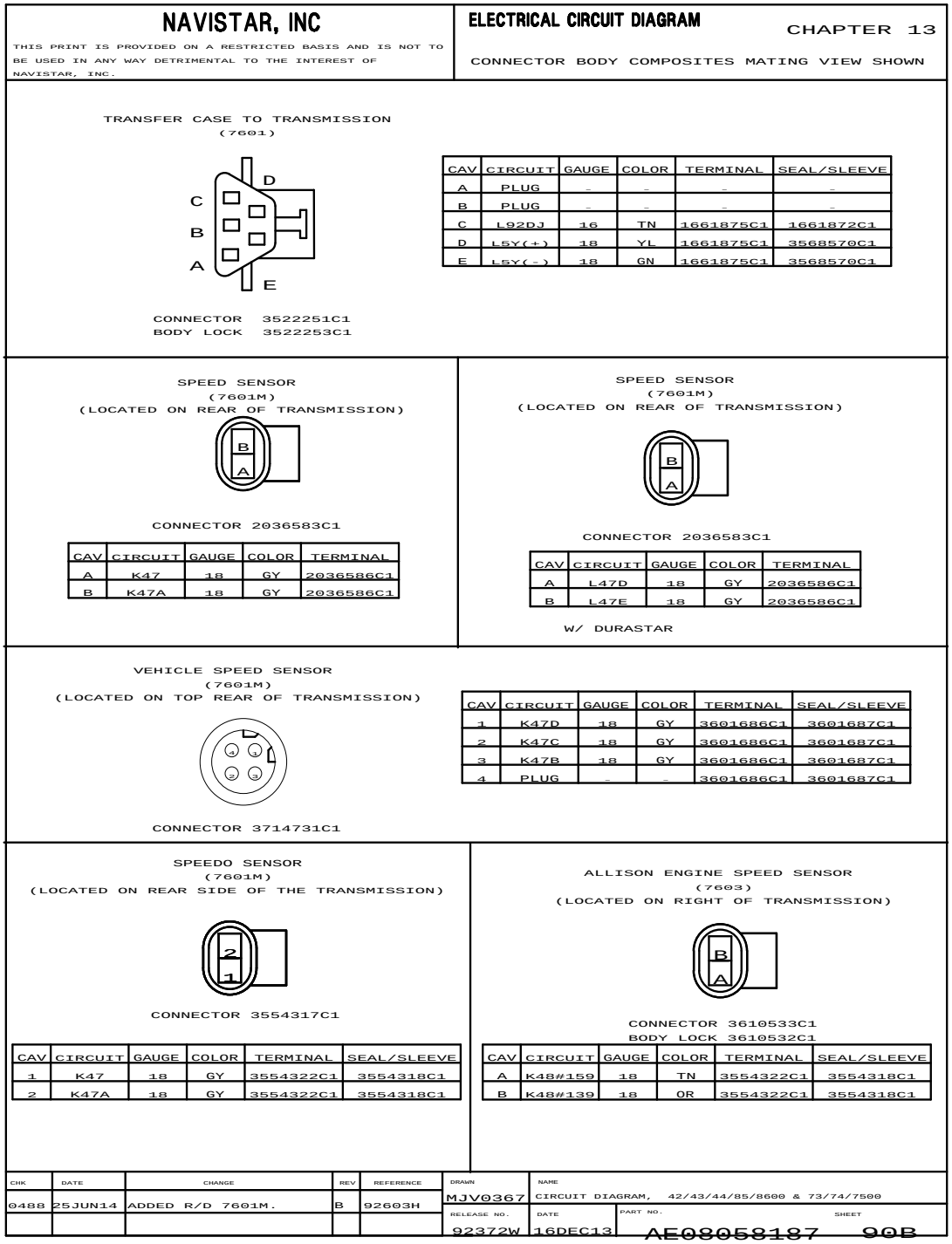


Figure 729 Connector Composites (7600A), (7600M), (7601)

https://truckmanualshub.com/

13.213. CONNECTOR COMPOSITES (7601), (7601M), (7603), P. 90B



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ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

TRANSFER CASE TO TRANSMISSION
(7601)

CONNECTOR 3522251C1
BODY LOCK 3522253C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	PLUG	-	-	-	-
B	PLUG	-	-	-	-
C	L92DJ	16	TN	1661875C1	1661872C1
D	L5Y(+)	18	YL	1661875C1	3568570C1
E	L5Y(-)	18	GN	1661875C1	3568570C1

SPEED SENSOR
(7601M)
(LOCATED ON REAR OF TRANSMISSION)

CONNECTOR 2036583C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K47	18	GY	2036586C1
B	K47A	18	GY	2036586C1

SPEED SENSOR
(7601M)
(LOCATED ON REAR OF TRANSMISSION)

CONNECTOR 2036583C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	L47D	18	GY	2036586C1
B	L47E	18	GY	2036586C1

W/ DURASTAR

VEHICLE SPEED SENSOR
(7601M)
(LOCATED ON TOP REAR OF TRANSMISSION)

CONNECTOR 3714731C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K47D	18	GY	3601686C1	3601687C1
2	K47C	18	GY	3601686C1	3601687C1
3	K47B	18	GY	3601686C1	3601687C1
4	PLUG	-	-	3601686C1	3601687C1

SPEEDO SENSOR
(7601M)
(LOCATED ON REAR SIDE OF THE TRANSMISSION)

CONNECTOR 3554317C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K47	18	GY	3554322C1	3554318C1
2	K47A	18	GY	3554322C1	3554318C1

ALLISON ENGINE SPEED SENSOR
(7603)
(LOCATED ON RIGHT OF TRANSMISSION)

CONNECTOR 3610533C1
BODY LOCK 3610532C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K48#159	18	TN	3554322C1	3554318C1
B	K48#139	18	OR	3554322C1	3554318C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	ADDED R/D 7601M.	B	92603H

DRAWN: MJV0367
NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO.: 92372W
DATE: 16DEC13
PART NO.: AE08058187
SHEET: 90B

Figure 730 Connector Composites (7601), (7601M), (7603)

https://truckmanualshub.com/

13.214. CONNECTOR COMPOSITES (7603M), (7603MA), (7604M), (7605), (7605M), (7606M), (7607M), (7608M), P. 91

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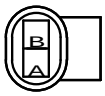
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

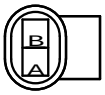
ALLISON ENGINE SPEED SENSOR
(7603M)
(LOCATED ON RIGHT OF TRANSMISSION)



CONNECTOR 3610533C1
BODY LOCK 3610532C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K48#159	18	TN	3554322C1	3554318C1
B	K48#139	18	OR	3554322C1	3554318C1

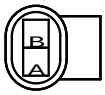
ENGINE SPEED SENSOR
(7603MA)
(LOCATED ON RIGHT SIDE OF TRANSMISSION)



CONNECTOR 3610533C1
BODY LOCK 3610532C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K48#159	18	TN	3554322C1	3554318C1
B	K48#139	18	OR	3554322C1	3554318C1

ENGINE SPEED SENSOR
(7604M)
(LOCATED ON RIGHT OF TRANSMISSION)

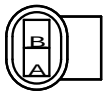


CONNECTOR 3594124C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K48#159	18	TN	3554322C1	3554318C1
A*	K48#139	18	OR	3554322C1	3554318C1
A#	K92#159	18	TN	3554322C1	3554318C1
B	K48#139	18	OR	3554322C1	3554318C1
B*	K48#159	18	TN	3554322C1	3554318C1
B#	K92#139	18	OR	3554322C1	3554318C1

* W/ V8 ENGINE
\# W/ CUMMINS ISB ENGINE AND W/I6 2010 SCR ENGINE.

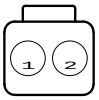
OUTPUT SPEED SENSOR
(7605/7605M)
(LOCATED ON REAR OF TRANSMISSION)



CONNECTOR 3610533C1
BODY LOCK 3610532C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K47#160	18	YL	3554322C1	3554318C1
B	K47#140	18	LTGN	3554322C1	3554318C1

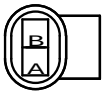
EATON ENGINE SPEED SENSOR
(7606M)
(LOCATED ON RIGHT OF TRANSMISSION)



CONNECTOR 3602756C1
BODY LOCK 1684262C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K47(+)	16	WH	1680206C1
2	K47(-)	16	BK	1680206C1

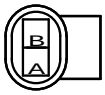
TURBINE SPEED SENSOR
(7607M)
(LOCATED ON RIGHT OF TRANSMISSION)



CONNECTOR 3594124C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K92#180	18	OR	3554322C1	3554318C1
B	K92#120	18	LTBL	3554322C1	3554318C1

OUTPUT SPEED SENSOR
(7608M)
(LOCATED ON REAR OF TRANSMISSION)



CONNECTOR 3610533C1
BODY LOCK 3610532C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K47#160	18	YL	3554322C1	3554318C1
B	K47#140	18	LTGN	3554322C1	3554318C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	24JUN14	ADDED R/D 7603MA.MVD	F	92603H	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		R/D 7609M.			RELEASE NO. 61229V	DATE 08JUN09

PART NO. AE08058187 SHEET 091

Figure 731 Connector Composites (7603M), (7603MA), (7604M), (7605), (7605M), (7606M), (7607M), (7608M)

https://truckmanualshub.com/

13.215. CONNECTOR COMPOSITES (7609B), (7609M), P. 91A

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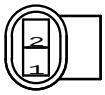
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

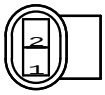
SPEEDO SENSOR
(7609B)
(LOCATED ON REAR OF TRANSMISSION)



CONNECTOR 3554317C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K47	18	GY	3554322C1	3554318C1
2	K47A	18	GY	3554322C1	3554318C1

SPEEDO SENSOR
(7609M)
(LOCATED ON REAR OF TRANSMISSION)



CONNECTOR 3554317C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K47	18	GY	3554322C1	3554318C1
2	K47A	18	GY	3554322C1	3554318C1

SPEEDO SENSOR
(7609M)
(LOCATED ON REAR OF TRANSMISSION)

CONNECTOR 2036583C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K47	18	GY	2036586C1
B	K47A	18	GY	2036586C1

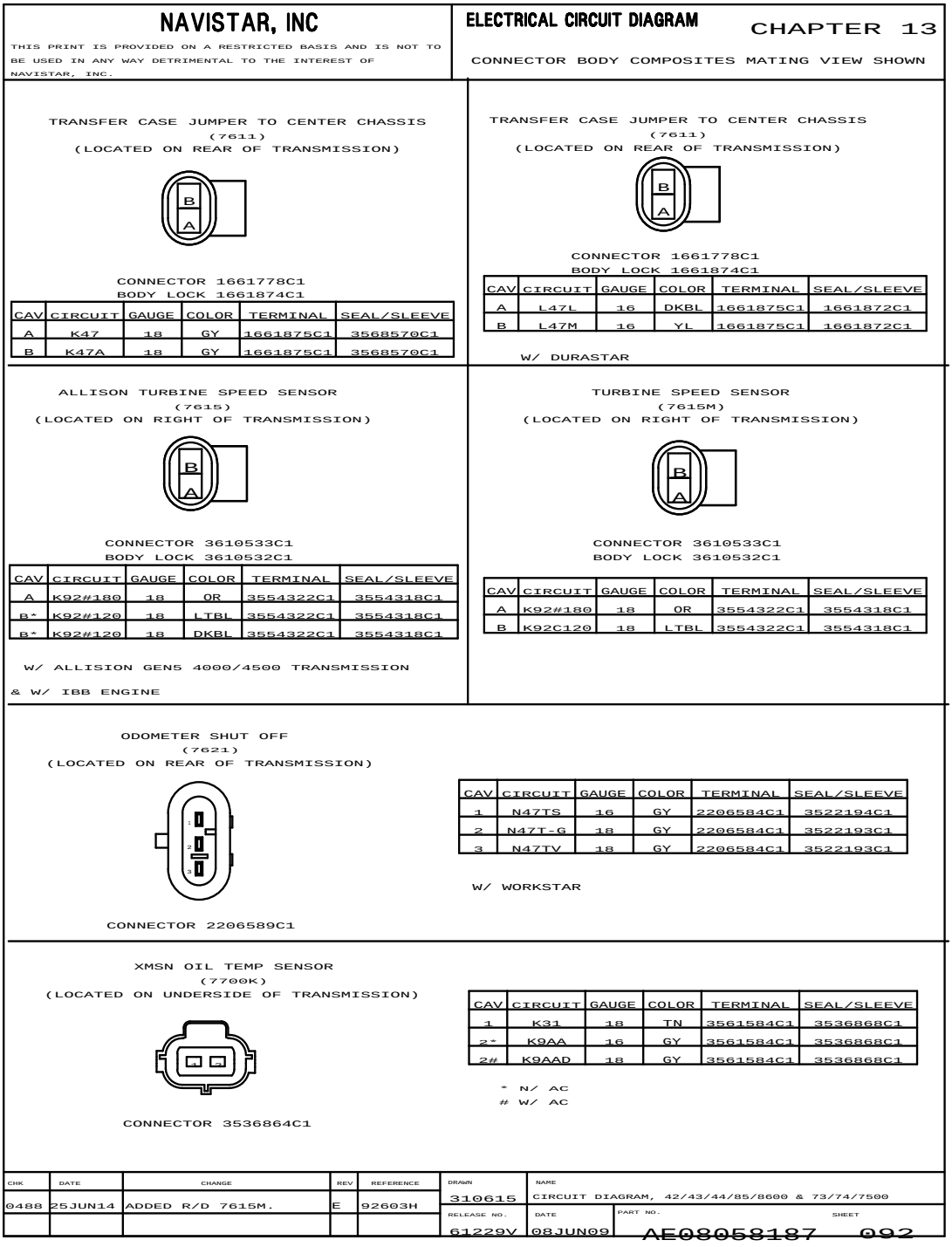
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	25JUN14	INITIAL RELEASE.	A	92603H	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 08JUN09

PART NO. AE08058187 SHEET 91A

Figure 732 Connector Composites (7609B), (7609M)

https://truckmanualshub.com/

13.216. CONNECTOR COMPOSITES (7611), (7615), (7615M), (7621), (7700K), P. 92



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ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

TRANSFER CASE JUMPER TO CENTER CHASSIS
(7611)
(LOCATED ON REAR OF TRANSMISSION)

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K47	18	GY	1661875C1	3568570C1
B	K47A	18	GY	1661875C1	3568570C1

TRANSFER CASE JUMPER TO CENTER CHASSIS
(7611)
(LOCATED ON REAR OF TRANSMISSION)

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	L47L	16	DKBL	1661875C1	1661872C1
B	L47M	16	YL	1661875C1	1661872C1

W/ DURASTAR

ALLISON TURBINE SPEED SENSOR
(7615)
(LOCATED ON RIGHT OF TRANSMISSION)

CONNECTOR 3610533C1
BODY LOCK 3610532C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K92#180	18	OR	3554322C1	3554318C1
B*	K92#120	18	LTBL	3554322C1	3554318C1
B*	K92#120	18	DKBL	3554322C1	3554318C1

W/ ALLISION GEN5 4000/4500 TRANSMISSION
& W/ IBB ENGINE

TURBINE SPEED SENSOR
(7615M)
(LOCATED ON RIGHT OF TRANSMISSION)

CONNECTOR 3610533C1
BODY LOCK 3610532C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K92#180	18	OR	3554322C1	3554318C1
B	K92C120	18	LTBL	3554322C1	3554318C1

ODOMETER SHUT OFF
(7621)
(LOCATED ON REAR OF TRANSMISSION)

CONNECTOR 2206589C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N47TS	16	GY	2206584C1	3522194C1
2	N47T-G	18	GY	2206584C1	3522193C1
3	N47TV	18	GY	2206584C1	3522193C1

W/ WORKSTAR

XMSN OIL TEMP SENSOR
(7700K)
(LOCATED ON UNDERSIDE OF TRANSMISSION)

CONNECTOR 3536864C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K31	18	TN	3561584C1	3536868C1
2*	K9AA	16	GY	3561584C1	3536868C1
2#	K9AAD	18	GY	3561584C1	3536868C1

* N/ AC
# W/ AC

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	ADDED R/D 7615M.	E	92603H

DRAWN 310615 — NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V — DATE 08JUN09 — PART NO. AE08058187 — SHEET 092

Figure 733 Connector Composites (7611), (7615), (7615M), (7621), (7700K)

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13.217. CONNECTOR COMPOSITES (7700L), (7700M), (7702), (7703), (7750), (7751), P. 92A

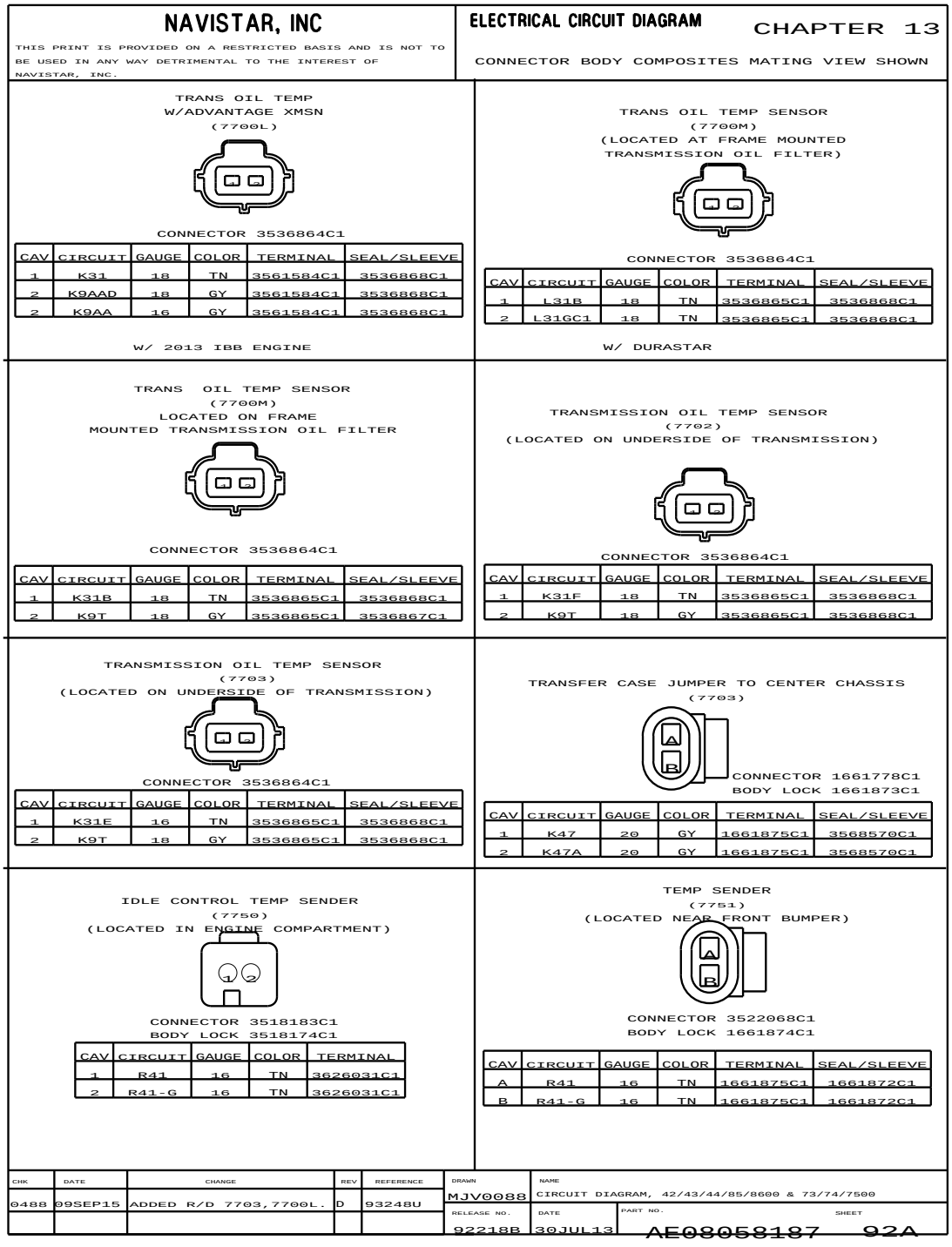

Figure 734 Connector Composites (7700L), (7700M), (7702), (7703), (7750), (7751)

https://truckmanualshub.com/

13.218. CONNECTOR COMPOSITES (7777), (7800F), (7801), (7801A), (7801B), P. 92B

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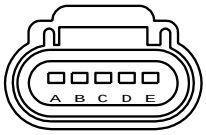
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

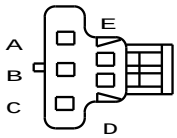
MAF/AAT
(7777)
(LOCATED ON FRONT CENTER DASH PANEL)



CONNECTOR 3827829C1
BODY LOCK 3827830C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K97E	18	PL	3535303C1	3535424C1
B	K97SA	18	PL	3535303C1	3535424C1
C	K97AS	18	PL	3535303C1	3535424C1
D	K97AT	18	PL	3535303C1	3535424C1
E	K97A-G	18	PL	3535303C1	3535424C1

ENGINE TRANS
(7800F)



CONNECTOR 3522252C1
BODY LOCK 3522253C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	L47D	18	GY	1667742C1	1661872C1
B	L47E	18	GY	1667742C1	1661872C1
C	L17D	18	PK	1667742C1	3568570C1
D	L5C(+)	18	YL	1667742C1	3568570C1
E	L5C(-)	18	GN	1667742C1	3568570C1

W/ DURASTAR

RELOCATED J1939 TERMINATING RESISTOR
(7801)
(LOCATED NEAR THE ENGINE ECM CONNECTION)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K5C(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	2025431C1	-
C	K5C(-)	18	GN	1661875C1	3568570C1

J1939 N/ALLISON
(7801A)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K5B(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	2025431C1	-
C	K5B(-)	18	GN	1661875C1	3568570C1

W/ DURASTAR

J1939 W/ALLISON
(7801B)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K5D(+)	18	YL	1661875C1	3568570C1
A*	K5A(+)	18	YL	1661875C1	3568570C1
A@	K5F(+)	18	YL	1661875C1	3568570C1
A#	K5C(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	2025431C1	-
C	K5D(-)	18	GN	1661875C1	3568570C1
C*	K5A(-)	18	GN	1661875C1	3568570C1
C@	K5F(-)	18	GN	1661875C1	3568570C1
C#	K5C(-)	18	GN	1661875C1	3568570C1

W/ DURASTAR
* W/ALLISON 3000 XMSN
@ W/ETON ULTRASHIFT XMSN
# W/EATON PROCISION XMSN

CHK	DATE	CHANGE	REV	REFERENCE
MJV0436	16MAR16	EATON PROCISION	E	93408J
	WAS EPS			

DRAWN: MJV0367 — NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO.: 92372W — DATE: 16DEC13 — PART NO.: AE08058187 — SHEET: 92B

Figure 735 Connector Composites (7777), (7800F), (7801), (7801A), (7801B)

https://truckmanualshub.com/

13.219. CONNECTOR COMPOSITES (7801F), (7801M), (7801M2), (7801R), P. 93

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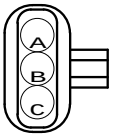
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

TERMINATING RESISTOR (7801F)
(LOCATED NEAR THE ENGINE ECM CONNECTION)



CONNECTOR 1667740C1
BODY LOCK 166771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K5E(+)	18	YL	1667742C1	3568570C1
B	PLUG	-	-	2025431C1	-
C	K5E(-)	18	GN	1667742C1	3568570C1

J1939 TRANS
(7801M)
(LOCATED NEAR THE ENGINE ECM CONNECTION)

CONNECTOR 1667741C1
BODY LOCK 166771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	L5C(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	2025431C1	-
C	L5C(-)	18	GN	1661875C1	3568570C1

W/ DURASTAR

J1939 RESISTOR (7801M)
(LOCATED NEAR THE ENGINE ECM CONNECTION)

CONNECTOR 1667741C1
BODY LOCK 166771C1

* W/ ALLISON LCT GEN IV
# W/ ALLISON WTEC GEN IV & BACK BONE
& W/ V8 ENGINE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A#	K5C(+)	18	YL	1661875C1	3568570C1
A*	K5D(+)	18	YL	1661875C1	3568570C1
A&	K5C(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	2025431C1	-
C#	K5C(-)	18	GN	1661875C1	3568570C1
C*	K5D(-)	18	GN	1661875C1	3568570C1
C&	K5C(-)	18	GN	1661875C1	3568570C1

J1939 RESISTOR (7801M)
(LOCATED ON RIGHT FRAME RAIL)

CONNECTOR 1667741C1
BODY LOCK 166771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K5DG(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	1661875C1	3568570C1
C	K5DG(-)	18	GN	1661875C1	3568570C1

W/I6 ENGINE

J1939 RESISTOR (7801M2)
(LOCATED NEAR THE ENGINE ECM CONNECTION)

CONNECTOR 1667741C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K5C(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	2025431C1	-
C	K5C(-)	18	GN	1661875C1	3568570C1

INVERTER J1939 (7801R)
(LOCATED NEAR THE ENGINE ECM CONNECTION)

CONNECTOR 1667741C1
BODY LOCK 166771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K5G(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	2025431C1	-
C	K5G(-)	18	GN	1661875C1	3568570C1

CHK	DATE	CHANGE	REV	REFERENCE
-	-	ADDED R/D 7801F &	D	92372W
		7801M. RMVD R/D 7777.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
SHEET 093

Figure 736 Connector Composites (7801F), (7801M), (7801M2), (7801R)

https://truckmanualshub.com/

13.220. CONNECTOR COMPOSITES (7802), (7803), (7803A), (7900), (7901), P. 94

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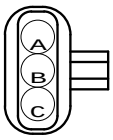
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

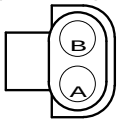


CONNECTOR 1667740C1
BODY LOCK 1667771C1

RELOCATED J1939 TERMINATING RESISTOR
(7802)
(LOCATED NEAR THE ENGINE ECM CONNECTION)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K5C(+)	18	YL	1667742C1	3568570C1
B	PLUG	-	-	2025431C1	-
C	K5C(-)	18	GN	1667742C1	3568570C1

NEUTRAL SWITCH
(7802)
(W/ IBB ENGINE)



CONNECTOR 3540051C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K97J	18	VT	0587578C1	1652325C1
B	K97S	18	VT	0587578C1	1652325C1

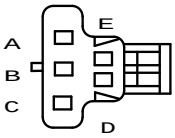
LIFT GATE
(7803)
(LOCATED AT BACK OF CAB)

W/ WORKSTAR
W/ TRANSTAR
W/ DURASTAR

CONNECTOR 3522068C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N112	16	GY	1661875C1	1661872C1
B	N112-GD	16	WH	1661875C1	1661872C1

TRANSFER CASE TO ENGINE
(7803)

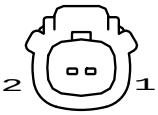


W/ DURASTAR

CONNECTOR 3522252C1
BODY LOCK 3522253C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	L47L	16	DKBL	1667742C1	1661872C1
B	L47M	16	YL	1667742C1	1661872C1
C	L92DJ	16	TN	1667742C1	1661872C1
D	L5Y(+)	18	YL	1667742C1	3568570C1
E	L5Y(-)	18	GN	1667742C1	3568570C1

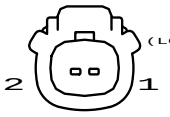
LIFT GATE
(7803A)
(LOCATED AT BACK OF CAB)



CONNECTOR 3539141C1
BODY LOCK 3539146C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N112	16	GY	3686944C1
2	N112-GD	16	WH	3686944C1

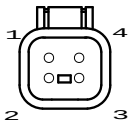
LIFT GATE
(7803)
(LOCATED AT BACK OF CAB)



CONNECTOR 3950690C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N112	16	GY	3686944C1
2	N112-GD	16	WH	3686944C1

PARK PAWL
(7901)
(LOCATED ON ENGINE)

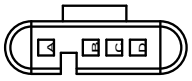


CONNECTOR 3539141C1
BODY LOCK 3539146C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K92BK	16	TN	3555249C1
1*	K92BK	16	BK	3555249C1
2	K92RD	16	TN	3555249C1
3	K92YL	16	TN	3555249C1
3*	K92YL	16	YL	3555249C1
4	K92BL	16	TN	3555249C1
4*	K92BL	16	LTBL	3555249C1

* EATON ULTRASHIFT W/ PARK PAWL

EATON T HANDLE SHIFTER
(7900)
(LOCATED ON THE BACK OF SHIFT SELECTOR)



CONNECTOR 3540756C1
BODY LOCK 3540758C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A92YD	16	TN	1661875C1	1661872C1
B	A92YE	18	TN	1661875C1	3568570C1
C	A62P	18	DKBL	1661875C1	3568570C1
D	A62-GAH	18	WH	1661875C1	3568570C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	24MAR15	ADDED CIRC K92BK,	F	92927M
		K92YL,K92BL IN R/D 7901.		

DRAWN 310615 — NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V — DATE 08JUN09 — PART NO. AE08058187 — SHEET 094

Figure 737 Connector Composites (7802), (7803), (7803A), (7900), (7901)

https://truckmanualshub.com/

13.221. CONNECTOR COMPOSITES (7905), (7905A), P. 95

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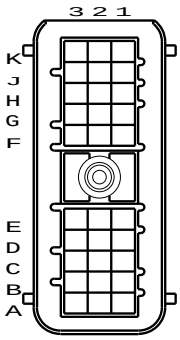
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

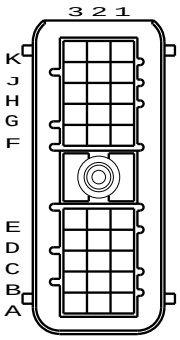
EATON AUTOSHIFT 3
(7905)
ULTRASHIFT 3 SELECTOR
(LOCATED IN INSTRUMENT PANEL NEAR SHIFTER)



CONNECTOR 3554089C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	PLUG	-	-	3554386C1
A2	PLUG	-	-	3554386C1
A3	PLUG	-	-	3554386C1
B1	PLUG	-	-	3554386C1
B2	PLUG	-	-	3554386C1
B3	A62P	18	DKBL	3565443C1
C1	A92YB	16	TN	3554090C1
C1*	A92YB	18	TN	3565443C1
C2	PLUG	-	-	3554386C1
C3	PLUG	-	-	3554386C1
D1	PLUG	-	-	3554386C1
D2	PLUG	-	-	3554386C1
D3	PLUG	-	-	3554386C1
E1	PLUG	-	-	3554386C1
E2	PLUG	-	-	3554386C1
E3	PLUG	-	-	3554386C1
F1	A92(+)	18	YL	3565443C1
F2	A92(-)	18	GN	3565443C1
F3	PLUG	-	-	3554386C1
G1	PLUG	-	-	3554386C1
G2	PLUG	-	-	3554386C1
G3	PLUG	-	-	3554386C1
H1	PLUG	-	-	3554386C1
H2	A92	18	TN	3565443C1
H3	PLUG	-	-	3554386C1
J1	PLUG	-	-	3554386C1
J2	PLUG	-	-	3554386C1
J3	A92AE	16	TN	3554090C1
J3*	A92AE	18	TN	3565443C1
K1	PLUG	-	-	3554386C1
K2	PLUG	-	-	3554386C1
K3	PLUG	-	-	3554386C1

EATON AUTOSHIFT 3
ULTRASHIFT 3 SELECTOR
(7905A)
(LOCATED IN INSTRUMENT PANEL NEAR SHIFTER)



CONNECTOR 3554089C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	PLUG	-	-	-
A2	PLUG	-	-	-
A3	PLUG	-	-	-
B1	PLUG	-	-	-
B2	PLUG	-	-	-
B3	A62P	18	DKBL	3565443C1
C1	A92YB	16	TN	3554090C1
C2	PLUG	-	-	-
C3	PLUG	-	-	-
D1	PLUG	-	-	-
D2	PLUG	-	-	-
D3	PLUG	-	-	-
E1	PLUG	-	-	-
E2	PLUG	-	-	-
E3	PLUG	-	-	-
F1	A92(+)	18	YL	3565443C1
F2	A92(-)	18	GN	3565443C1
G1	PLUG	-	-	-
G2	PLUG	-	-	-
G3	PLUG	-	-	-
H1	PLUG	-	-	-
H2	PLUG	-	-	-
H3	PLUG	-	-	-
J1	PLUG	-	-	-
J2	PLUG	-	-	-
J3	A92AE	16	TN	3554090C1
K1	PLUG	-	-	-
K2	PLUG	-	-	-
K3	PLUG	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE
0488	09SEP15	ADDED CIRC A92YB,	C	93248U
		A92AE AT CAV C1,J3 IN R/D 7905.		

DRAWN 310615 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V | DATE 08JUN09 | PART NO. AE08058187 | SHEET 095

Figure 738 Connector Composites (7905), (7905A)

https://truckmanualshub.com/

13.222. CONNECTOR COMPOSITES (7909), P. 95A

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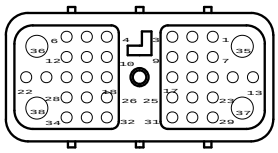
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

EATON GEN3 TCM
(7909)
(LOCATED ON LEFT SIDE OF TRANSMISSION)



CONNECTOR 3599542C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3527276C1
2*	K5E(-)	18	GN	3555249C1
2**	K5E(-)	18	GN	3518963C1
3*	K5E(+)	18	YL	3555249C1
3**	K5E(+)	18	YL	3518963C1
4	K17K	18	PK	3555249C1
5	PLUG	-	-	3527276C1
6	PLUG	-	-	3527276C1
7	PLUG	-	-	3527276C1
8	PLUG	-	-	3527276C1
9	PLUG	-	-	3527276C1
10*	K3AC(+)	18	DKBL	3555249C1
10**	K3AC(+)	18	DKBL	3518963C1
11*	K3AC(-)	18	GY	3555249C1
11**	K3AC(-)	18	GY	3518963C1
12	PLUG	-	-	3527276C1
13	PLUG	-	-	3527276C1
14	PLUG	-	-	3527276C1
15	K92BL	16	TN	3555249C1
16	K92YL	16	TN	3555249C1
16@	K92YL	16	YL	3555249C1
17	K92BK	16	TN	3555249C1
17@	K92BK	16	BK	3555249C1
18	PLUG	-	-	3527276C1
19	PLUG	-	-	3527276C1
20	K92E	18	LTBL	3555249C1
21	K92F	18	LTGN	3555249C1
22	K92H	18	WH	3555249C1
23	PLUG	-	-	3527276C1
24	PLUG	-	-	3527276C1
25	K92AE	16	TN	3555249C1
26	K17J	16	PK	3555249C1
27	K92(-)	18	GN	3555249C1
27#	K92(-)	18	GY	3555249C1
28	K92(+)	18	YL	3555249C1
28#	K92(+)	18	DKBL	3555249C1
29	PLUG	-	-	3527276C1
30	PLUG	-	-	3527276C1
31%	K92YB	16	TN	3555249C1
31%	K92RD	16	TN	3555249C1
32	K17L	18	PK	3555249C1
33	PLUG	-	-	3527276C1
34	PLUG	-	-	3527276C1
35	K13D	14	PK	3557534C1
35@	K13D	14	PK	3841699C1
36	K11-GAM	12	WH	3557534C1
36&	K11-GAM	10	WH	3841700C1
37	PLUG	-	-	3527276C1
38	K14AW	12	RD	3557534C1

* J1939 EATON GEN3
** J1939 EATON HYBRID GEN3
% MUTUALLY EXCLUSIVE
@ EATON ULTRASHIFT W/ PARK PAWL
# EATON ULTRASHIFT N/ PARK PAWL
& GROUND W/ EATON ULTRASHIFT

CHK	DATE	CHANGE	REV.	REFERENCE
0488	24MAR15	ADDED CIRC IN CAV 16,	B	92927M
		17,27,28,35,36.		

DRAWN	NAME
MJV0195	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO.	DATE / PART NO. / SHEET
92218B	30JUL13 AE08058187 95A

Figure 739 Connector Composites (7909)

https://truckmanualshub.com/

13.223. CONNECTOR COMPOSITES (7910), (7911), P. 96

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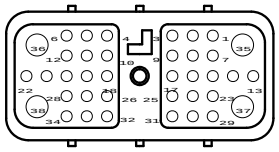
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

HCM/EATON GENS HCM
VEHICLE INTERFACE CONN
(7910)

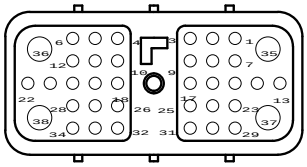


CONNECTOR 3599542C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3527276C1
2	K5BE(-)	18	GN	3518963C1
3	K5BE(+)	18	YL	3518963C1
4	K17A	16	WH	3518963C1
4*	K17A	16	WH	3555249C1
5	PLUG	-	-	3527276C1
6	PLUG	-	-	3527276C1
7	PLUG	-	-	3527276C1
8	PLUG	-	-	3527276C1
9	PLUG	-	-	3527276C1
10	K3G(+)	18	DKBL	3518963C1
11	K3G(-)	18	GY	3518963C1
12	PLUG	-	-	3527276C1
13	PLUG	-	-	3527276C1
14	PLUG	-	-	3527276C1
15	PLUG	-	-	3527276C1
16	PLUG	-	-	3527276C1
17	PLUG	-	-	3527276C1
18	PLUG	-	-	3527276C1
19	PLUG	-	-	3527276C1
20	K17	18	PK	3518963C1
21	PLUG	-	-	3527276C1
22	PLUG	-	-	3527276C1
23	K98D	18	BK	3518963C1
24	PLUG	-	-	3527276C1
25	PLUG	-	-	3527276C1
26	K17FA	16	PK	3518963C1
26*	K17FA	16	PK	3555249C1
27	K98C(-)	18	GN	3518963C1
28	K98C(+)	18	YL	3518963C1
29	PLUG	-	-	3527276C1
30	PLUG	-	-	3527276C1
31	PLUG	-	-	3527276C1
32	K17B	18	PK	3518963C1
33	PLUG	-	-	3527276C1
34	PLUG	-	-	3527276C1
35	N13B	12	PK	3557534C1
36	K92-GC	12	WH	3557534C1
37	PLUG	-	-	3527276C1
38	K92C	12	RD	3557534C1

* W/I6 2010 SCR ENGINE.

EATON HCM HYBRID (7911)



CONNECTOR 3665411C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	35272Z6C1
2	N92DF	18	TN	3555249C1
3	PLUG	-	-	35272Z6C1
4	N92HB	18	TN	3555249C1
5	N92DC	18	TN	3555249C1
6	PLUG	-	-	3527276C1
7	PLUG	-	-	3527276C1
8	PLUG	-	-	3527276C1
9	PLUG	-	-	3527276C1
10	PLUG	-	-	3527276C1
11	N92DA	18	TN	3555249C1
12	PLUG	-	-	3527276C1
13	N92YA	18	TN	3555249C1
14	PLUG	-	-	3527276C1
15	PLUG	-	-	3527276C1
16	PLUG	-	-	3527276C1
17	N98E	18	BK	3555249C1
18	PLUG	-	-	3527276C1
19	N92DB	18	TN	3555249C1
20	PLUG	-	-	3527276C1
21	PLUG	-	-	3527276C1
22	PLUG	-	-	3527276C1
23	PLUG	-	-	3527276C1
24	PLUG	-	-	3527276C1
25	N98G	18	BK	3555249C1
26	N92HE	18	TN	3555249C1
27	PLUG	-	-	3527276C1
28	N92AA	18	TN	3518963C1
29	PLUG	-	-	3527276C1
30	PLUG	-	-	3527276C1
31	N98F	18	BK	3555249C1
32	N92HA	18	TN	3555249C1
33	N92DE	18	TN	3555249C1
34	PLUG	-	-	3527276C1
35	N92HC	12	TN	3557534C1
36	PLUG	-	-	3527276C1
37	N92HD	12	TN	3557534C1
38	PLUG	-	-	3527276C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	ADDED CIRC K17A,K17FA	B	92603H
	TO R/D	7910.UPDATED R/D NAME.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
SHEET 096

Figure 740 Connector Composites (7910), (7911)

https://truckmanualshub.com/

13.224. CONNECTOR COMPOSITES (8000), (8000A), (8001), P. 97

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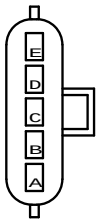
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

RIGHT HEADLIGHT TURN / SIGNAL HARNESS CONNECTOR (8000) (LOCATED ON UNDERSIDE OF HOOD BY HEADLIGHT MODULE - RIGHT SIDE)

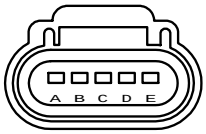


CONNECTOR 1661375C2
BODY LOCK 1661376C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M52D	14	YL	2033816C1	0589391C1
B	M11-GA	14	WH	2033816C1	0589391C1
C	M53B	14	YL	2033816C1	0589391C1
D*	M57C	16	OR	2033819C1	1652325C1
D*	M57B	16	OR	2033819C1	1652325C1
E	M54D	14	BN	2033816C1	0589391C1

* MUTUALLY EXCLUSIVE

MAF/ATT CONNECTOR (8000) (LOCATED ON ENGINE)

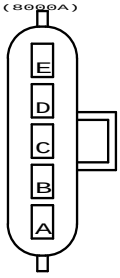


CONNECTOR 3827829C1
BODY LOCK 3827830C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K97E	18	PL	3535303C1	3535424C1
B	K97SA	18	VT	3535303C1	3535424C1
B*	K97SA	18	PL	3535303C1	3535424C1
C	K97AS	18	VT	3535303C1	3535424C1
C*	K97AS	18	PL	3535303C1	3535424C1
D	K97AT	18	VT	3535303C1	3535424C1
D*	K97AT	18	PL	3535303C1	3535424C1
E	K97A-G	18	WH	3535303C1	3535424C1

* W/I6 2010 SCR ENGINE.

HEADLIGHT T/S HARNESS CONN STANDARD HOOD (8000A)

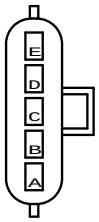


CONNECTOR 1661375C2
BODY LOCK 1661376C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M52D	14	YL	2033816C1	0589391C1
B	M11-GA	14	WH	2033816C1	0589391C1
C	M53B	14	YL	2033816C1	0589391C1
D*	M57C	16	OR	2033819C1	1652325C1
D#	M57B	16	OR	2033819C1	1652325C1
E	M54D	14	BN	2033816C1	0589391C1

* STD HOOD, W/SNOW PLOW LIGHTS
\# STD HOOD, W/GUIDE POST LIGHTS

LEFT HEADLIGHT TURN / SIGNAL HARNESS CONNECTOR (8001) (LOCATED ON UNDERSIDE OF HOOD BY HEADLIGHT MODULE - LEFT SIDE)



CONNECTOR 1661375C2

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M52	14	YL	2033816C1	0589391C1
B	M11-GB	14	WH	2033816C1	0589391C1
C	M53	14	YL	2033816C1	0589391C1
D*	M56C	16	OR	2033819C1	1652325C1
D*	M56B	16	OR	2033819C1	1652325C1
E	M54C	14	BN	2033816C1	0589391C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	ADDED R/D 8000A.	C	92603H

DRAWN 310615 | NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V | DATE 08JUN09 | PART NO. AE08058187 | SHEET 097

Figure 741 Connector Composites (8000), (8000A), (8001)

https://truckmanualshub.com/

13.225. CONNECTOR COMPOSITES (8001A), (8102A), (8102), (8103), (8103A), (8150A), (8151A), P. 97A

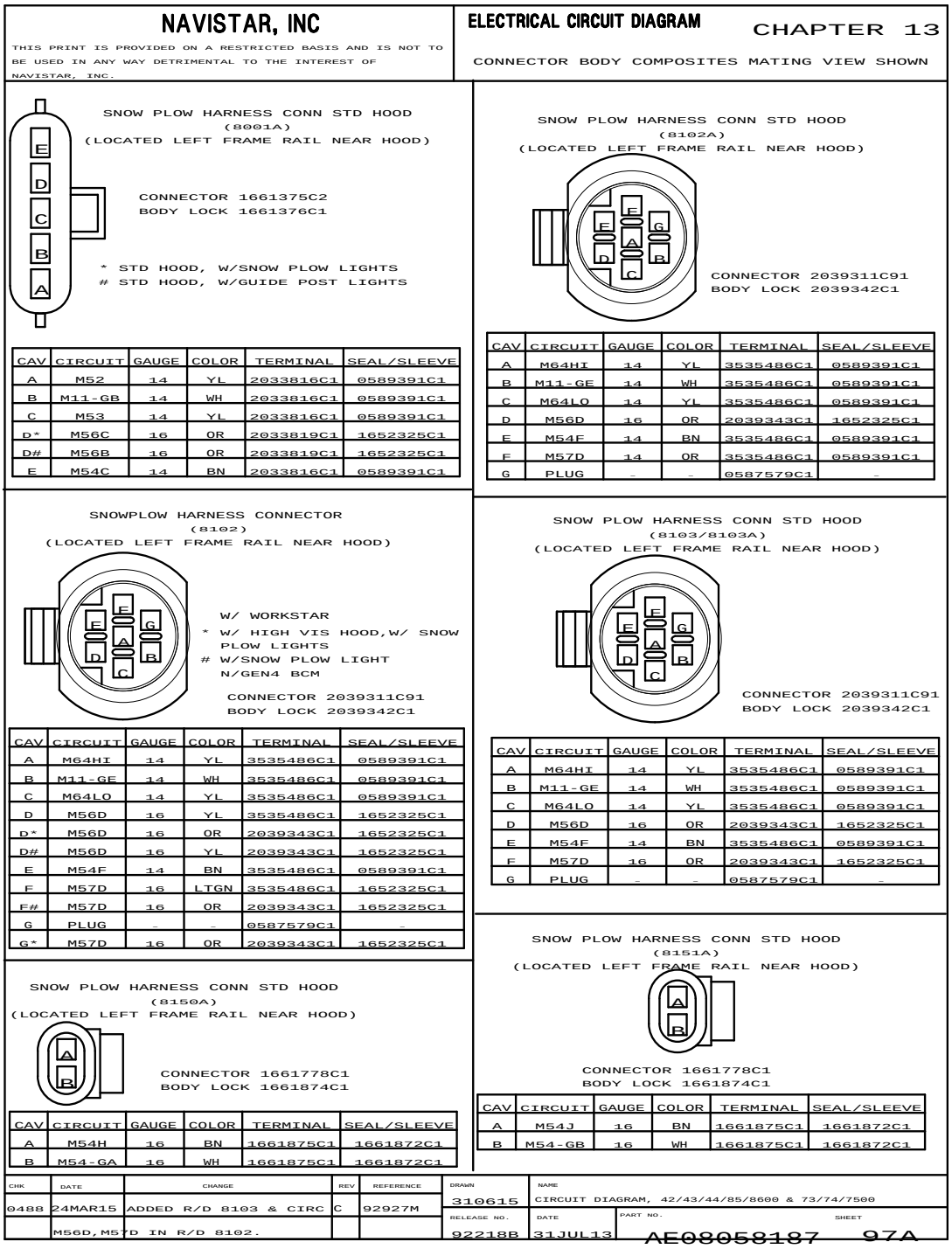


Figure 742 Connector Composites (8001A), (8102A), (8102), (8103), (8103A), (8150A), (8151A)

https://truckmanualshub.com/

13.226. CONNECTOR COMPOSITES (8103), (8150), (8151), P. 98

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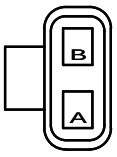
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

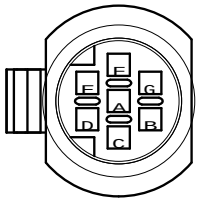
TRANSMISSION FUSE (8103)



CONNECTOR 1667639C1
BODY LOCK 1675451C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K14A	12	RD	1661708C1
B	K14D	12	RD	1661708C1

SNOWPLOW HARNESS CONNECTOR (8103)
(LOCATED BY LEFT FRAME RAIL NEAR HOOD)



CONNECTOR 2039311C91
BODY LOCK 2039342C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M64HI	14	YL	3535486C1	0589391C1
B	M11-GE	14	WH	3535486C1	0589391C1
C	M64LO	14	YL	3535486C1	0589391C1
D	M56D	16	YL	2039343C1	1652325C1
D*	M56D	16	OR	2039343C1	1652325C1
E	M54F	14	BN	3535486C1	0589391C1
F	M57D	16	LTGN	2039343C1	1652325C1
F*	M57D	16	OR	2039343C1	1652325C1
G	PLUG	-	-	0587579C1	-

* BASE, HIGH VIS HOOD,W/ SNOW PLOW LIGHTS, 5FT

LEFT GUIDE POST LIGHT (8150)
(LOCATED ON HOOD LEFT SIDE)

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M54H	16	BN	1661875C1	1661872C1
B	M54-GA	16	WH	1661875C1	1661872C1

RIGHT GUIDE POST LIGHT (8151)
(LOCATED ON HOOD RIGHT SIDE)

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M54J	16	BN	1661875C1	1661872C1
B	M54-GB	16	WH	1661875C1	1661872C1

CHK	DATE	CHANGE	REV.	REFERENCE
0488	25JUN14	ADDED CIRC M56D AND	B	92603H
	M57D AT	R/D 8103 CAV D & F.		

DRAWN 310615 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V | DATE 08JUN09 | PART NO. AE08058187 | SHEET 098

Figure 743 Connector Composites (8103), (8150), (8151)

https://truckmanualshub.com/

13.227. CONNECTOR COMPOSITES (8200), (8200X), (8201), (8201X), P. 99

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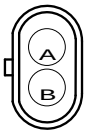
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

RIGHT FOG LIGHT
(8200)
(LOCATED AT THE FORWARD END OF RIGHT FRAME RAIL)

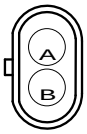


CONNECTOR 0587567C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*#	M64B	16	YL	0587577C1	1652325C1
A*	M64A	16	YL	0587577C1	1652325C1
B	M64-GB	16	WH	0587577C1	1652325C1

* W/WORKSTAR & TRANSTAR
\# W/DURASTAR

RIGHT FOG LIGHT WITH FRAME EXT.
(8200X)
(LOCATED AT THE FORWARD END OF RIGHT FRAME RAIL)

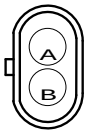


CONNECTOR 0587567C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M64B	16	YL	0587577C1	1652325C1
B	M64-GB	16	WH	0587577C1	1652325C1

W/ WORKSTAR

LEFT FOG LIGHT
(8201)
(LOCATED AT THE FORWARD END OF LEFT FRAME RAIL)

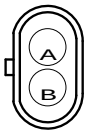


CONNECTOR 0587567C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*#	M64A	16	YL	0587577C1	1652325C1
A*	M64B	16	YL	0587577C1	1652325C1
B#	M64-GA	16	WH	0587577C1	1652325C1

* W/WORKSTAR & TRANSTAR
\# W/DURASTAR & WORKSTAR

LEFT FOG LIGHT WITH FRAME EXT.
(8201X)
(LOCATED AT THE FORWARD END OF LEFT FRAME RAIL)



CONNECTOR 0587567C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M64A	16	YL	0587577C1	1652325C1
B	M64-GA	16	WH	0587577C1	1652325C1

W/ WORKSTAR

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	ADDED WORKSTAR IN	E	92603H
		OPTION OF R/D 8201.		

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
SHEET 099

Figure 744 Connector Composites (8200), (8200X), (8201), (8201X)

https://truckmanualshub.com/

13.228. CONNECTOR COMPOSITES (8301), (8301A), (8303), (8410), (8500), P. 99A

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

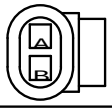
ELECTRIC HORN
(8301)
(LOCATED ON LEFT FRAME RAIL
BY ENGINE CROSSMEMBER)

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M85E	16	GY	1661875C1	1661872C1
B	M85-GA	16	WH	1661875C1	1661872C1

W/ WORKSTAR

ELECTRIC HORN/ELECTRIC HORN HIGH VISIBILITY HOOD
(8301A)
(LOCATED UNDER ENGINE CROSSMEMBER)



CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M85E	16	GY	1661875C1	1661872C1
B	M85-GC	16	WH	1661875C1	1661872C1

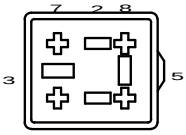
ELECTRIC HORN #1
(8303)
(LOCATED UNDER ENGINE CROSSMEMBER)

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	M85E	16	GY	1661875C1	1661872C1
B	M85-GF	16	WH	1661875C1	1661872C1

* W/ SINGLE HORN
W/ TRANSTAR

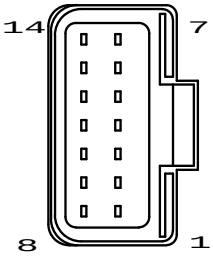
FLAME START RELAY
(8410)
(W/ IBB ENGINE)



CONNECTOR 3664985C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K21A1	12	TN	3664983C1	3664987C1
2	K21A2	12	TN	3664983C1	3664987C1
3	K14A	8	RD	3664982C1	3664986C1
5	PLUG	-	-	3664989C1	-
6	K21B1	18	TN	3664984C1	3664988C1
7	K21B2	18	TN	3664984C1	3664988C1
8	K21B3	18	TN	3664984C1	3664988C1
9	PLUG	-	-	3664989C1	-

OEM CROSSOVER
(8500)
(LOCATED IN ENGINE)



CONNECTOR 3573078C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3573076C1
2	K5A(+)	18	YL	3573077C1
2*	K5A(+)	18	YL	3613771C1
3	PLUG	-	-	3573076C1
4	PLUG	-	-	3573076C1
5	PLUG	-	-	3573076C1
6	K13B	18	PK	3573077C1
7	PLUG	-	-	3573076C1
8	PLUG	-	-	3573076C1
9	K5A(-)	18	GN	3573077C1
9*	K5A(-)	18	GN	3613771C1
10	PLUG	-	-	3573076C1
11	PLUG	-	-	3573076C1
12	PLUG	-	-	3573076C1
13	K10-G2	18	WH	3573077C1
13	K10-G2	18	BK	3573077C1
14	PLUG	-	-	3573076C1

* W/AFTERTREAMENT AND ACCELERATOR WIRING
W/DIGITAL SENSOR

CHK	DATE	CHANGE	REV	REFERENCE
0488	24MAR15	ADDED CIRC K5A(+)/(-)	D	92927M
	AT CAV 2 & 9 IN R/D 8500.			

DRAWN MJV0088 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 92218B | DATE 31JUL13 | PART NO. AE08058187 | SHEET 99A

Figure 745 Connector Composites (8301), (8301A), (8303), (8410), (8500)

https://truckmanualshub.com/

13.229. CONNECTOR COMPOSITES (8500), (8501), (8502), (8502A), (8502B), (8503), P. 100

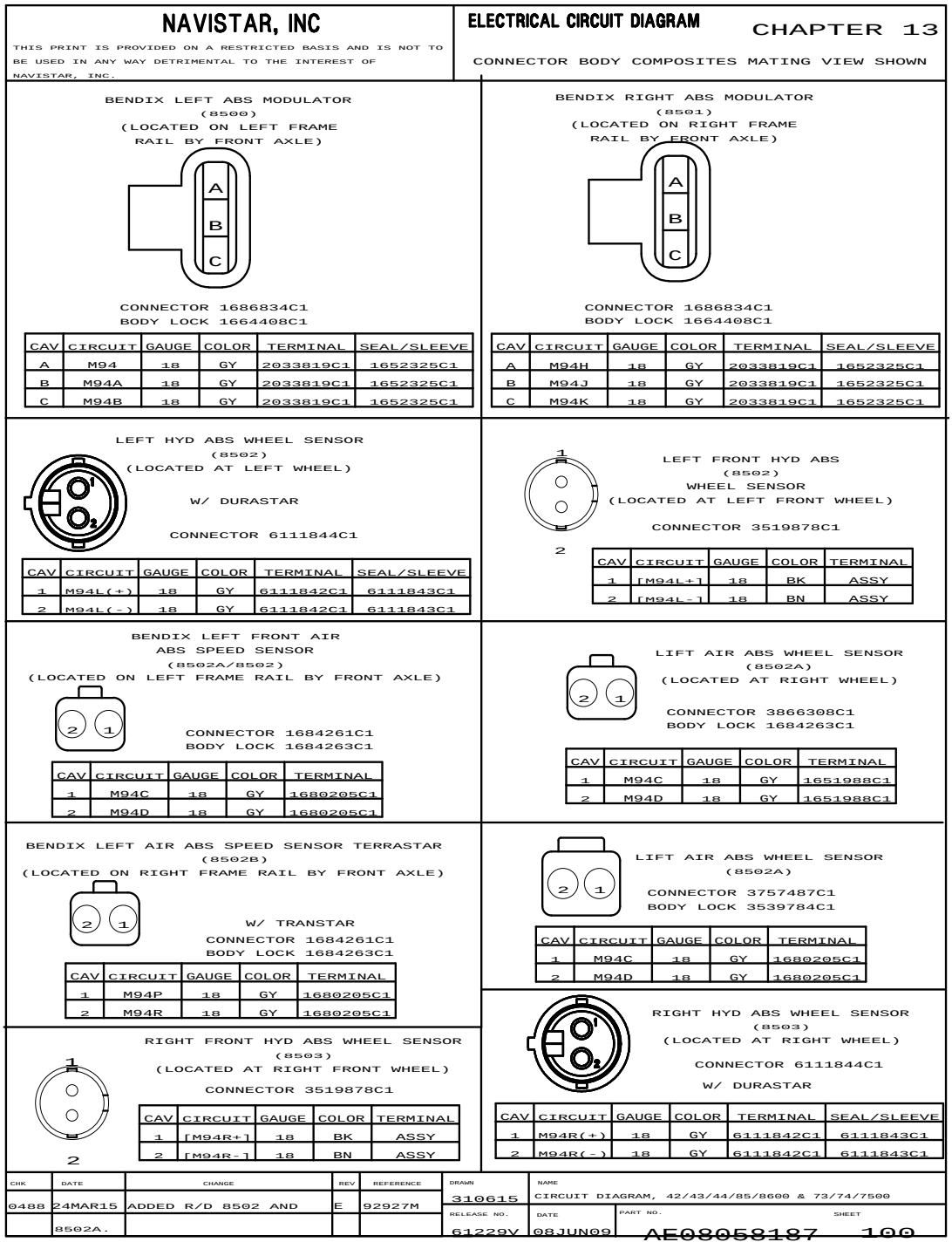


Figure 746 Connector Composites (8500), (8501), (8502), (8502A), (8502B), (8503)

https://truckmanualshub.com/

13.230. CONNECTOR COMPOSITES (8503A), (8503B), (8503C), (8505), (8506), (8506A), (8507), P. 101

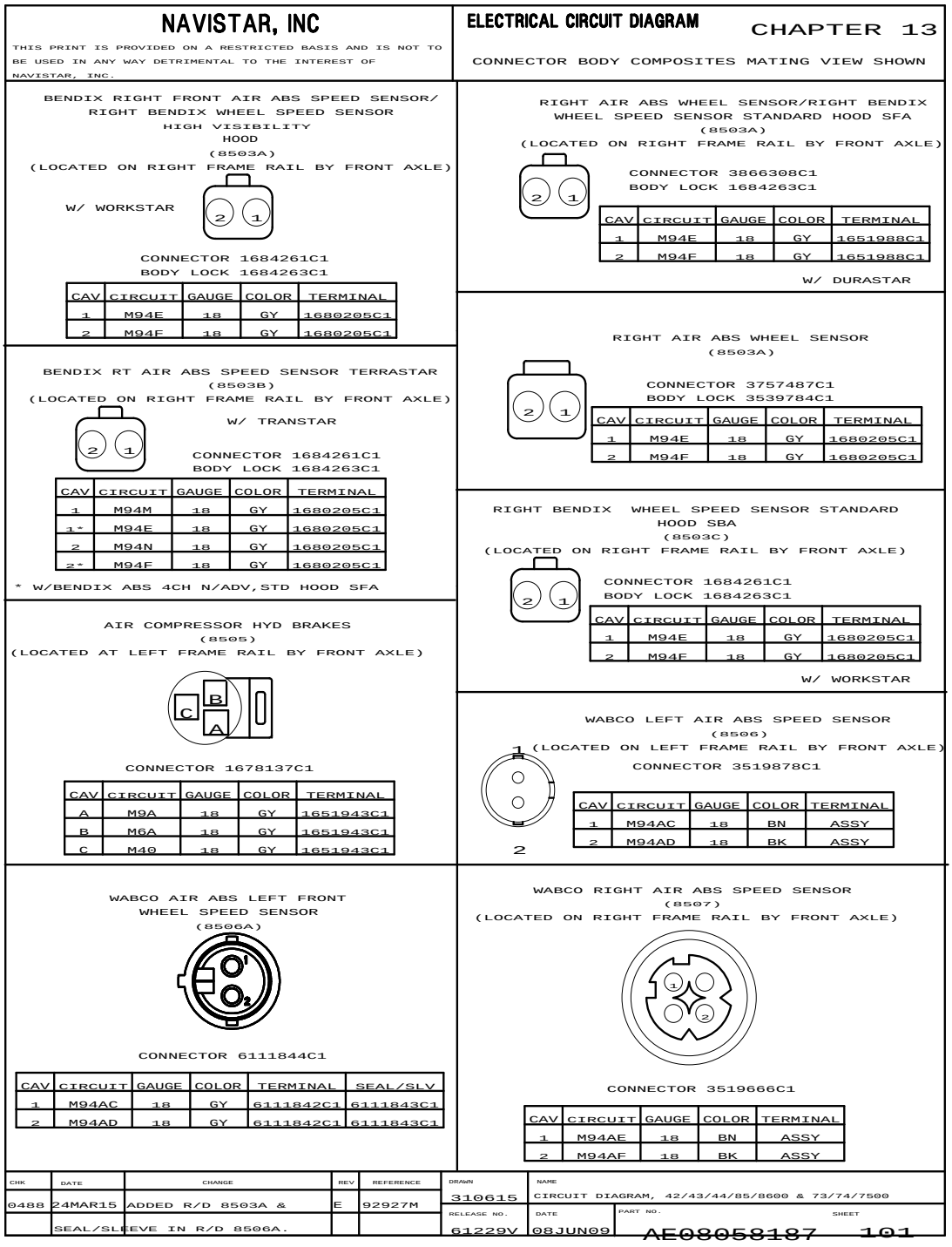


Figure 747 Connector Composites (8503A), (8503B), (8503C), (8505), (8506), (8506A), (8507)

https://truckmanualshub.com/

13.231. CONNECTOR COMPOSITES (8507A), (8507B), (8507C), (8508), (8508A), (8509), (8509A), P. 102

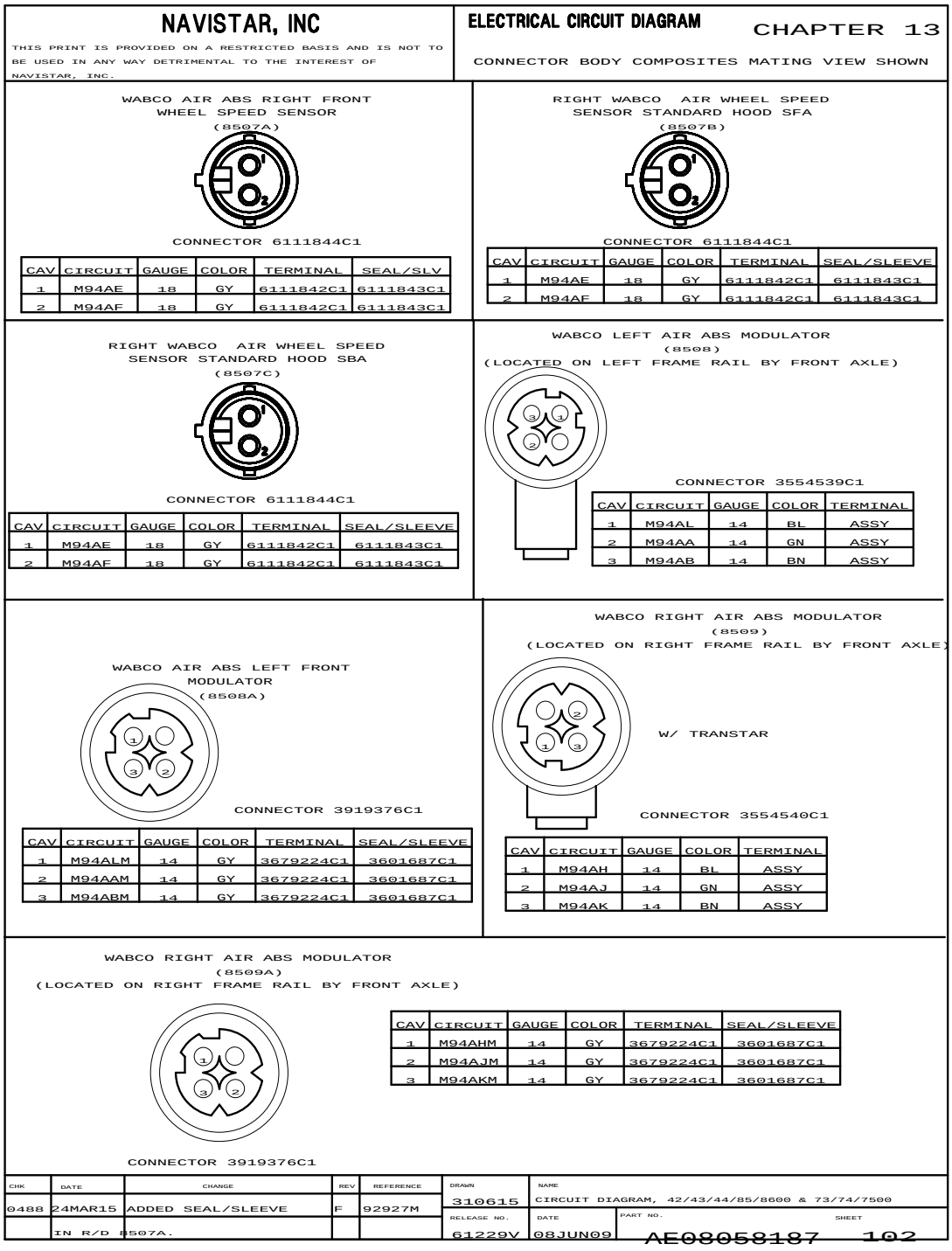


Figure 748 Connector Composites (8507A), (8507B), (8507C), (8508), (8508A), (8509), (8509A)

https://truckmanualshub.com/

13.232. CONNECTOR COMPOSITES (8520), (8600), (8600A), (8601), (8602), (8700), (8700A), (8700B), (8700C), P. 103

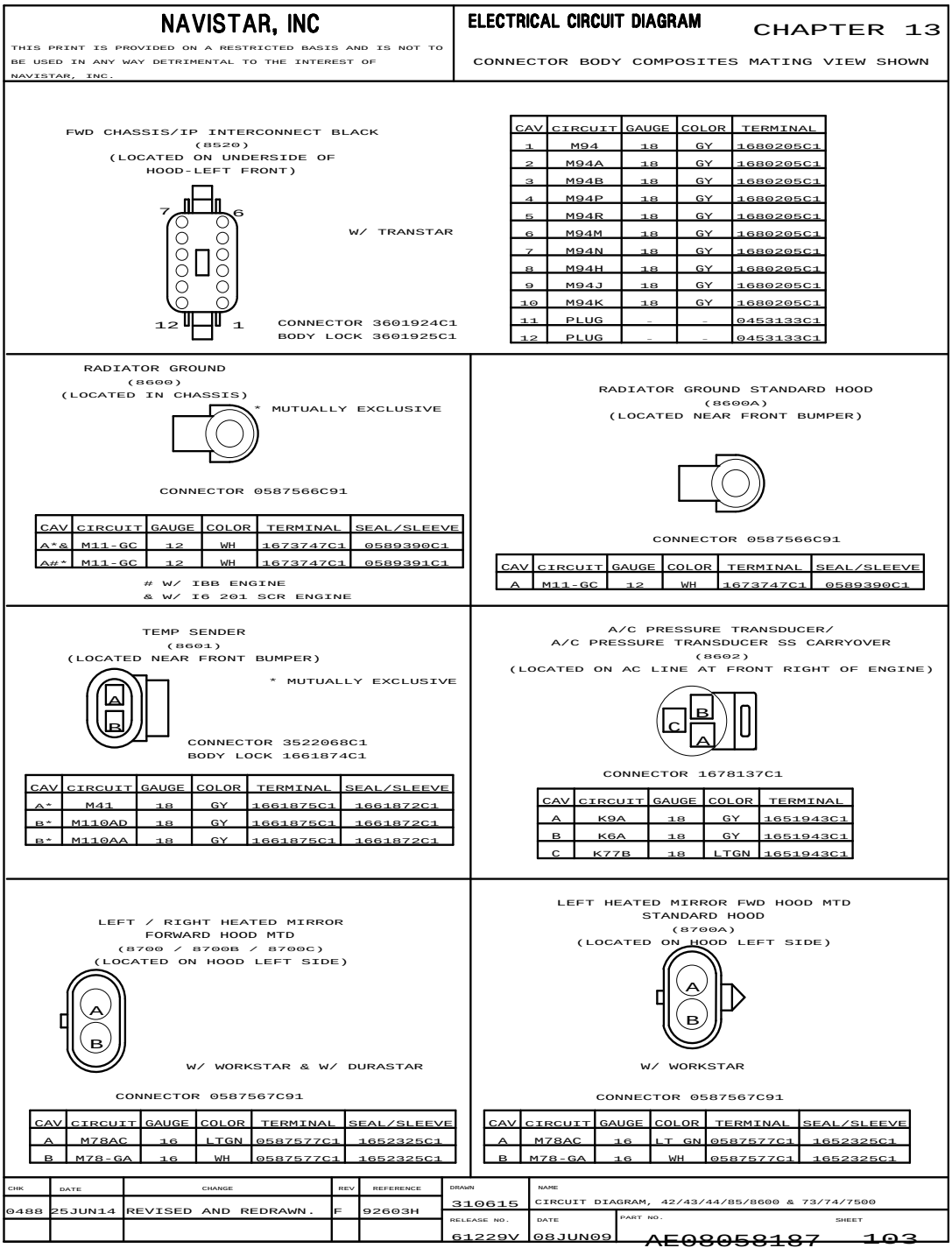


Figure 749 Connector Composites (8520), (8600), (8600A), (8601), (8602), (8700), (8700A), (8700B), (8700C)

https://truckmanualshub.com/

13.233. CONNECTOR COMPOSITES (8701), (8701A), (8702A), P. 104

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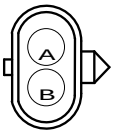
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

RIGHT HEATED MIRROR FWD HOOD MTD STANDARD HOOD
(8701/8701A)
(LOCATED ON HOOD RIGHT SIDE)

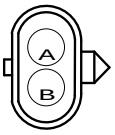


CONNECTOR 0587567C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M78BC	16	LT GN	0587577C1	1652325C1
B	M78-GB	16	WH	0587577C1	1652325C1

W/ WORKSTAR

RIGHT HEATED MIRROR FWD HOOD MTD STANDARD HOOD
(8702A)
(LOCATED ON HOOD RIGHT SIDE)



CONNECTOR 0587567C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M78BC	16	LT GN	0587577C1	1652325C1
B	M78-GB	16	WH	0587577C1	1652325C1

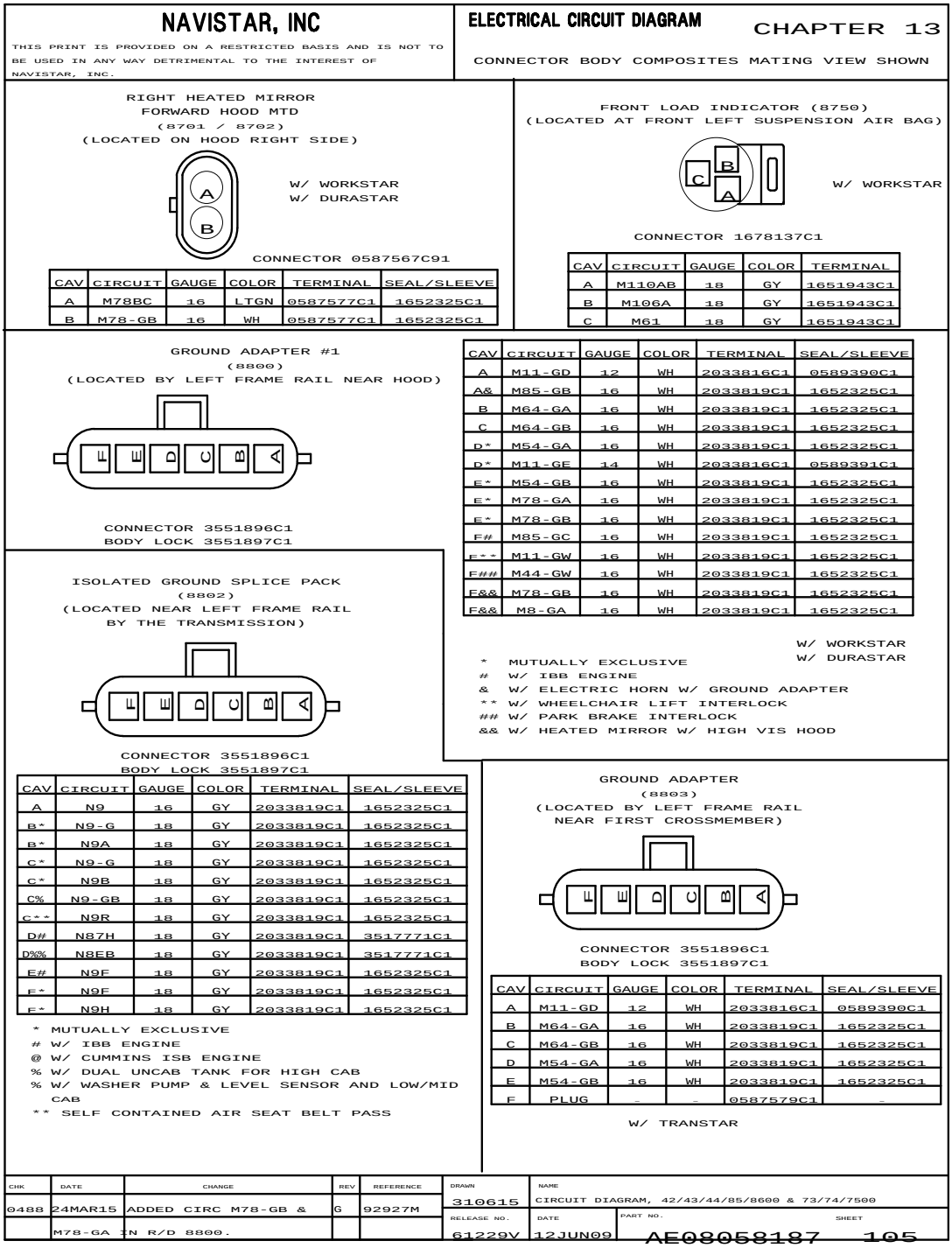
W/ WORKSTAR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	24MAR15	ADDED R/D 8701.	F	92927M	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 08JUN09
						PART NO. AE08058187
						SHEET 104

Figure 750 Connector Composites (8701), (8701A), (8702A)

https://truckmanualshub.com/

13.234. CONNECTOR COMPOSITES (8701),(8702), (8750), (8800), (8802), (8803), P. 105



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ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

RIGHT HEATED MIRROR
FORWARD HOOD MTD
(8701 / 8702)
(LOCATED ON HOOD RIGHT SIDE)

W/ WORKSTAR
W/ DURASTAR

CONNECTOR 0587567C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M78BC	16	LTGN	0587577C1	1652325C1
B	M78-GB	16	WH	0587577C1	1652325C1

FRONT LOAD INDICATOR (8750)
(LOCATED AT FRONT LEFT SUSPENSION AIR BAG)

W/ WORKSTAR

CONNECTOR 1678137C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	M110AB	18	GY	1651943C1
B	M106A	18	GY	1651943C1
C	M61	18	GY	1651943C1

GROUND ADAPTER #1
(8800)
(LOCATED BY LEFT FRAME RAIL NEAR HOOD)

CONNECTOR 3551896C1
BODY LOCK 3551897C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M11-GD	12	WH	2033816C1	0589390C1
A&	M85-GB	16	WH	2033819C1	1652325C1
B	M64-GA	16	WH	2033819C1	1652325C1
C	M64-GB	16	WH	2033819C1	1652325C1
D*	M54-GA	16	WH	2033819C1	1652325C1
D*	M11-GE	14	WH	2033816C1	0589391C1
E*	M54-GB	16	WH	2033819C1	1652325C1
E*	M78-GA	16	WH	2033819C1	1652325C1
E*	M78-GB	16	WH	2033819C1	1652325C1
F#	M85-GC	16	WH	2033819C1	1652325C1
F**	M11-GW	16	WH	2033819C1	1652325C1
F##	M44-GW	16	WH	2033819C1	1652325C1
F&&	M78-GB	16	WH	2033819C1	1652325C1
F&&	M8-GA	16	WH	2033819C1	1652325C1

W/ WORKSTAR
W/ DURASTAR

* MUTUALLY EXCLUSIVE
\# W/ IBB ENGINE
& W/ ELECTRIC HORN W/ GROUND ADAPTER
** W/ WHEELCHAIR LIFT INTERLOCK
W/ PARK BRAKE INTERLOCK
&& W/ HEATED MIRROR W/ HIGH VIS HOOD

ISOLATED GROUND SPLICE PACK
(8802)
(LOCATED NEAR LEFT FRAME RAIL
BY THE TRANSMISSION)

CONNECTOR 3551896C1
BODY LOCK 3551897C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N9	16	GY	2033819C1	1652325C1
B*	N9-G	18	GY	2033819C1	1652325C1
B*	N9A	18	GY	2033819C1	1652325C1
C*	N9-G	18	GY	2033819C1	1652325C1
C*	N9B	18	GY	2033819C1	1652325C1
C%	N9-GB	18	GY	2033819C1	1652325C1
C**	N9R	18	GY	2033819C1	1652325C1
D#	N87H	18	GY	2033819C1	3517771C1
D%%	N8EB	18	GY	2033819C1	3517771C1
E#	N9F	18	GY	2033819C1	1652325C1
F*	N9F	18	GY	2033819C1	1652325C1
F*	N9H	18	GY	2033819C1	1652325C1

* MUTUALLY EXCLUSIVE
\# W/ IBB ENGINE
@ W/ CUMMINS ISB ENGINE
% W/ DUAL UNCAB TANK FOR HIGH CAB
% W/ WASHER PUMP & LEVEL SENSOR AND LOW/MID CAB
** SELF CONTAINED AIR SEAT BELT PASS

GROUND ADAPTER
(8803)
(LOCATED BY LEFT FRAME RAIL
NEAR FIRST CROSSMEMBER)

CONNECTOR 3551896C1
BODY LOCK 3551897C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M11-GD	12	WH	2033816C1	0589390C1
B	M64-GA	16	WH	2033819C1	1652325C1
C	M64-GB	16	WH	2033819C1	1652325C1
D	M54-GA	16	WH	2033819C1	1652325C1
E	M54-GB	16	WH	2033819C1	1652325C1
F	PLUG	_	_	0587579C1	_

W/ TRANSTAR

CHK	DATE	CHANGE	REV	REFERENCE
0488	24MAR15	ADDED CIRC M78-GB &	G	92927M
		M78-GA IN R/D 8800.		

DRAWN 310615 — NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V — DATE 12JUN09 — PART NO. AE08058187 — SHEET 105

Figure 751 Connector Composites (8701),(8702), (8750), (8800), (8802), (8803)

https://truckmanualshub.com/

13.235. CONNECTOR COMPOSITES (8804), (8805), (8805A), (8806), P. 106

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

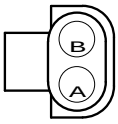
TEMP SENDER
(8804)
(LOCATED NEAR FRONT BUMPER)

W/ TRANSTAR

CONNECTOR 3518182C1
BODY LOCK 3518184C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	M41	16	TN	3518963C1
2	M110AD	16	GY	3518963C1

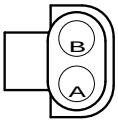
HOOD SWITCH
(8805)
(LOCATED ON HOOD LEFT SIDE)



W/ WORKSTAR & W/ DURASTAR

CONNECTOR 0587568C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M104CC	18	DKBL	0587576C1	1652325C1
B	M104CB	18	DKBL	0587576C1	1652325C1

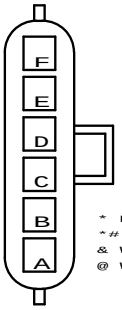


HOOD SWITCH STANDARD HOOD
(8805A)
(LOCATED ON HOOD LEFT SIDE)

CONNECTOR 0587568C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M104CC	18	DK BL	0587576C1	1652325C1
B	M104CB	18	DK BL	0587576C1	1652325C1

AIR SOLENOID GROUND SPLICE
(8805)
LOCATED NEAR LEFT FRAME RAIL BACK OF CAB)

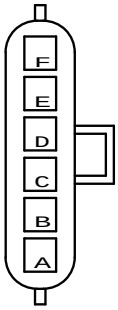


* MUTUALLY EXCLUSIVE
*# W/ IBB ENGINE
& W/ EV DISCONNECT SWITCH
@ W/ FWS MOUNTING (RACOR)

CONNECTOR 3551896C1
BODY LOCK 3551897C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59-G	12	WH	2033816C1	0589390C1
B*#	N59A-G	14	WH	2033816C1	0589391C1
B*#	N59-G	16	WH	2033819C1	1652325C1
B*	N99A-G	16	WH	2033819C1	1652325C1
C*#	N59F-G	14	WH	2033816C1	0589391C1
C*	N59X-G	14	WH	2033816C1	0589391C1
D#	N59L-G	14	WH	2033816C1	0589391C1
D&	N12-GA	18	WH	2033819C1	1652325C1
E*#	N59R-G	14	WH	2033816C1	0589391C1
E*#	N59R-G	18	WH	2033819C1	1652325C1
F*	N44-GB	18	WH	2033819C1	1652325C1
F*	N19-G	16	WH	2033819C1	1652325C1
F@	N19A-G	16	WH	2033819C1	1652325C1
F@	N19B-G	16	WH	2033819C1	1652325C1
F@	N19C-G	16	WH	2033819C1	1652325C1
F@	N19D-G	16	WH	2033819C1	1652325C1

CHASSIS SOLENOID GROUND SPLICE
(8806)
(LOCATED NEAR LEFT FRAME RAIL BACK OF CAB)



CONNECTOR 3551896C1
BODY LOCK 3551897C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N11-GC	14	WH	2033816C1	0589391C1
B*	N42-G	18	WH	2033819C1	1652325C1
B*	N42-G	16	GY	2033819C1	1652325C1
C	N59-GB	18	WH	2033819C1	1652325C1
D*	N59-GD	18	WH	2033819C1	1652325C1
D*	N47T-G	18	GY	2033819C1	1652325C1
E	N59-GE	18	WH	2033819C1	1652325C1
F	N59-GA	18	WH	2033819C1	1652325C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
0488	24MAR15	REVISED AND REDRAWN.	H	92927M

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 12JUN09
PART NO. AE08058187
SHEET 106

Figure 752 Connector Composites (8804), (8805), (8805A), (8806)

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13.236. CONNECTOR COMPOSITES (8807), (8809), (8881), (8882), (8883), P. 107

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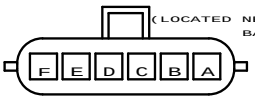
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CHASSIS GROUND SPLICE PACK (8807) (LOCATED NEAR LEFT FRAME RAIL BACK OF CAB)

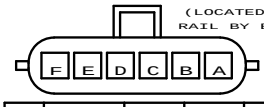


CONNECTOR 3551896C1
BODY LOCK 3551897C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N11-GA	12	WH	2033816C1	0589390C1
B	N10-G	12	WH	2033816C1	0589391C1
C	N39-GB	16	WH	2033819C1	1652325C1
D*	N39-GF	18	WH	2033819C1	1652325C1
D#	N39-G	18	WH	2033819C1	1652325C1
E*	N11-GC	14	WH	2033816C1	0589391C1
E*	N42-G	16	GY	2033819C1	1652325C1
E*	N10-GB	14	WH	2033816C1	0589391C1
E%	N42-G	18	WH	3551896C1	1652325C1
E%	N42G	18	WH	2033819C1	1652325C1
E@	N42G	16	WH	2033819C1	1652325C1
F*	N11-GD	12	WH	2033816C1	0589390C1
F*	N11-GBB	12	WH	2033816C1	0589390C1
F#	N22-G	16	WH	2033819C1	1652325C1

* MUTUALLY EXCLUSIVE
\# W/ IBB ENGINE
% W/TRANSFER CASE
@ TRANSFER CASE W/13TKH W/LCT XMSN

CHASSIS GROUND SPLICE PACK (8809) (LOCATED NEAR LEFT FRAME RAIL BY ENGINE REAR AREA)

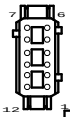


CONNECTOR 3551896C1
BODY LOCK 3551897C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N11-GB	12	WH	2033816C1	0589390C1
B@	N37-G	18	WH	2033819C1	1652325C1
B%	N10-GA	18	WH	2033819C1	1652325C1
C#	N10-GS	14	WH	2033816C1	0589391C1
C*	N10-GR	14	WH	2033816C1	0589391C1
D*	N65-G	16	WH	2033819C1	1652325C1
D*	N11-GD	16	WH	2033819C1	1652325C1
D#	N65-G	14	WH	2033816C1	0589391C1
D*	N112-GD	16	WH	2033819C1	1652325C1
E	N49-G	18	WH	2033819C1	1652325C1
F	N59-G	12	WH	2033816C1	0589390C1

* MUTUALLY EXCLUSIVE @ W/ CUMMINS ISB ENGINE
\# W/ IBB ENGINE % W/DUAL TANK FOR HIGH, MEDIUM CAB

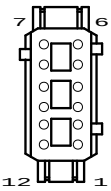
VDR 2 (8882) (LOCATED UNDER INSTRUMENT PANEL)



CONNECTOR 3586750C1
BODY LOCK 3553460C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	A11-GA	18	WH	3518963C1
1*	A11-GA2	18	WH	3518963C1
1%%	A11-GA1	18	WH	3518963C1
2*	A11-GB	18	WH	3518963C1
2*	A11-GB2	18	WH	3518963C1
2%%	A11-GB1	18	WH	3518963C1
3*	A11-GD	18	WH	3518963C1
3*	A11-GD2	18	WH	3518963C1
3%%%	A11-GD1	18	WH	3518963C1
4*	A11-GF	18	WH	3518963C1
4*	A11-GF2	18	WH	3518963C1
4%	A11-GE	18	WH	3518963C1
4**	A11-GF1	18	WH	3518963C1
5*	A11-GE	18	WH	3518963C1
5*	A11-GE2	18	WH	3518963C1
5%%%	A11-GE1	18	WH	3518963C1
6	A11-GC	18	WH	3518963C1
7	A11-GJ	18	WH	3518963C1
8*	A11-GL	18	WH	3518963C1
8*	A11-GL2	18	WH	3518963C1
8%%%	A11-GL1	18	WH	3518963C1
9*	A11-GM	18	WH	3518963C1
9*	A11-GM2	18	WH	3518963C1
9%	A11-GL	18	WH	3518963C1
9**	A11-GM1	18	WH	3518963C1
10*	A11-GK	18	WH	3518963C1
10*	A11-GK2	18	WH	3518963C1
10%%%	A11-GK1	18	WH	3518963C1
11*	A11-GH	18	WH	3518963C1
11*	A11-GH2	18	WH	3518963C1
11%%	A11-GH1	18	WH	3518963C1
12*	A11-GG	18	WH	3518963C1
12*	A11-GG2	18	WH	3518963C1
12%%	A11-GG1	18	WH	3518963C1

VDR1 (8881) (LOCATED UNDER INSTRUMENT PANEL)



CONNECTOR 3553404C1
BODY LOCK 3553460C1

* MUTUALLY EXCLUSIVE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3527276C1
2	PLUG	-	-	3527276C1
3	PLUG	-	-	3527276C1
4	PLUG	-	-	3527276C1
5*	A5(-)	18	GN	3518963C1
5*	A5A(-)	18	GN	3518963C1
5*	A5D1(-)	18	YL	3518963C1
6	A5A	18	GN	3518963C1
7	A5B	18	YL	3518963C1
8*	A5(+)	18	YL	3518963C1
8*	A5A(+)	18	YL	3518963C1
8*	A5D1(+)	18	GN	3518963C1
9	PLUG	-	-	3527276C1
10*	A13AA	18	RD	3518963C1
10*	A13A	18	RD	3518963C1
10*	A14RA	18	RD	3518963C1
11	PLUG	-	-	3527276C1
12*	A11A	18	WH	3518963C1
12*	A11-GAN	18	WH	3518963C1
12*	A11-G2	18	WH	3518963C1

IP/ROOF CONNECTOR (8883) (LOCATED IN CAB)

CONNECTOR 1661200C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A5A	18	GN	1661208C1
B	A5B	18	YL	1661208C1
C*	A11-G1	18	WH	1661208C1
C*	A11AA	18	WH	1661208C1
D*	A14RB	18	RD	1661208C1
D*	A13AA	18	RD	1661208C1
E-F	-	-	-	-

* MUTUALLY EXCLUSIVE

* MUTUALLY EXCLUSIVE
% W/SEAT-2+2 W/FUSE W/BRKR
%% SEAT BELT PRE-WIRE 1 TO 3/ VDR, DISPLAY W/2 SEAT INDICATION
%%% SEAT BELT PRE-WIRE 4 TO 6/ VDR, DISPLAY W/2 SEAT INDICATION
** VDR AND SEAT BELT PREVIEW REAR CENTER SEAT

CHK	DATE	CHANGE	REV	REFERENCE
0488	24MAR15	ADDED CIRC N42G IN	F	92927M
	R/D 8807.			

DRAWN 310615 | NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V | DATE 08JUN09 | PART NO. AE08058187 | SHEET 107

Figure 753 Connector Composites (8807), (8809), (8881), (8882), (8883)

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13.237. CONNECTOR COMPOSITES (8883), (8884), P. 108

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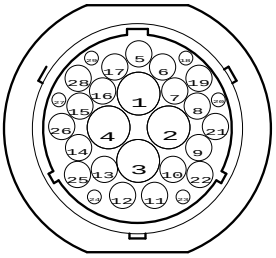
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

UTILITY BODY BOC CONNECTOR
(8883)
(LOCATED IN BACK OF CAB)

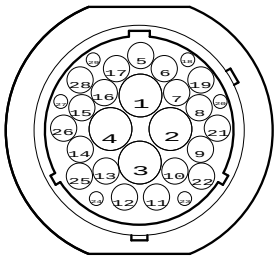


CONNECTOR 6099045C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N1AL	12	GY	3841697C1
2	N2AL	14	GY	3841697C1
3	PLUG	_	_	0453133C1
4	PLUG	_	_	0453133C1
5	N5AL	18	GY	3572626C1
6	N6AL	18	GY	3572626C1
7	N7AL	18	GY	3572626C1
8	N8AL	18	GY	3572626C1
9	N9AL	18	GY	3572626C1
10	N10AL	18	GY	3572626C1
11	N11AL	18	GY	3572626C1
12	N12AL	18	GY	3572626C1
13	N13AL	18	GY	3572626C1
14	N14AL	18	GY	3572626C1
15	N15AL	18	GY	3572626C1
16	N16AL	18	GY	3572626C1
17	N17AL	18	GY	3572626C1
18	N18AL	18	GY	3626031C1
19	PLUG	_	_	0453133C1
20	N20AL	18	GY	3626031C1
21	N21AL	18	GY	3572626C1
22	PLUG	_	_	0453133C1
23	N23AL	18	GY	3626031C1
24	N24AL	18	GY	3626031C1
25	PLUG	_	_	0453133C1
26	PLUG	_	_	0453133C1
27	PLUG	_	_	0453133C1
28	PLUG	_	_	0453133C1
29	PLUG	_	_	0453133C1

W/ WORKSTAR

UTILITY BODY BOC CONNECTOR
(8884)
(LOCATED IN BACK OF CAB)



CONNECTOR 6099045C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N1AL	12	GY	1646428C1
2	N2AL	14	GY	1646428C1
3	PLUG	_	_	0453133C1
4	PLUG	_	_	0453133C1
5	N5AL	18	GY	3572626C1
5	N5AL	18	GY	1651987C1
6	N6AL	18	GY	3572626C1
6	N6AL	18	GY	1651987C1
7	N7AL	18	GY	3572626C1
7	N7AL	18	GY	1651987C1
8	N8AL	18	GY	3572626C1
8	N8AL	18	GY	1651987C1
9	N9AL	18	GY	3572626C1
9	N9AL	18	GY	1651987C1
10	N10AL	18	GY	3572626C1
10	N10AL	18	GY	1651987C1
11	N11AL	18	GY	3572626C1
12	N12AL	18	GY	3572626C1
12	N12AL	18	GY	1651987C1
13	N13AL	18	GY	3572626C1
13	N13AL	18	GY	1651987C1
14	N14AL	18	GY	3572626C1
14	N14AL	18	GY	1651987C1
15	N15AL	18	GY	3572626C1
15	N15AL	18	GY	1651987C1
16	N16AL	18	GY	3572626C1
16	N16AL	18	GY	1651987C1
17	N17AL	18	GY	3572626C1
17	N17AL	18	GY	1651987C1
18	N18AL	18	GY	3626031C1
20	N20AL	18	GY	3626031C1
21	N21AL	18	GY	3572626C1
21	N21AL	18	GY	1651987C1
23	N23AL	18	GY	3626031C1
24	N24AL	18	GY	3626031C1
25	PLUG	_	_	0453133C1
26	PLUG	_	_	0453133C1
27	PLUG	_	_	0453133C1
28	PLUG	_	_	0453133C1
29	PLUG	_	_	0453133C1

CHK	DATE	CHANGE	REV	REFERENCE
_	_	ADDED CIRC IN R/D	G	92927M
	8884 AT	CAV 12,13,14,15,16,17	AND	21.

DRAWN 310615 — NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V — DATE 12JUN09 — PART NO. AE08058187 — SHEET 108

Figure 754 Connector Composites (8883), (8884)

https://truckmanualshub.com/

13.238. CONNECTOR COMPOSITES (8884A), P. 109

NAVISTAR, INC

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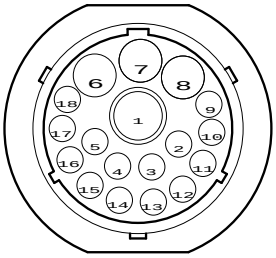
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

UTILITY BODY INTERCONNECT
(8884A)
(LOCATED IN CAB)



CONNECTOR 6099041C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	TABLE A
1	A01DAL	10	BK	3517818C1	TB6 - 1/ACC 11
2	PLUG	-	-	0453133C1	-
3	PLUG	-	-	0453133C1	-
4	A041DAL	14	RD	2034788C1	D4/SPLIT BRAKE SIGNAL
5	A05DAL	14	WH	2034788C1	TB10/GND (DASH)
6	A06DAL	12	RD	3841697C1	TB8 - 1/ACC 13
7	A07DAL	12	GY	3841697C1	TB8 - 2/ACC 14
8	A08DAL	12	DKBL	3841697C1	D - 8/BRAKE CONTROL OUTPUT
9	A09DAL	14	WH	2034788C1	D - 9/SPARE 03
10	A10DAL	14	WH	2034788C1	D - 10/SPARE 04
11	A11DAL	14	WH	2034788C1	D - 11/SPARE 05
12	A5AL(+)	18	YL	1680206C1	J 1939 (+)
13	A5AL(-)	18	GN	1680206C1	J 1939 (-)
14	A14DAL	14	WH	2034788C1	D - 14/SPARE 06
15	A15DAL	14	WH	2034788C1	D - 15/SPARE 07
16	PLUG	-	-	0453133C1	-
17	PLUG	-	-	0453133C1	-
18	PLUG	-	-	0453133C1	-

NOTE: UTILITY BODY CIRCUIT NAMES

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	24MAR15	REVISED AND REDRAWN.	G	92927M	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 91229V	DATE 08JUN09
						PART NO. AE08058187
						SHEET 109

Figure 755 Connector Composites (8884A)

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13.239. CONNECTOR COMPOSITES (8884B), P. 110

NAVISTAR, INC

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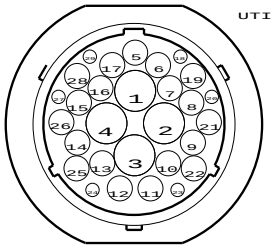
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

UTILITY BODY INTERCONNECT PASS
(8884B)
(LOCATED IN CAB)



CONNECTOR 6099045C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	TABLE B
1*	A13DB	14	BN	0500397C1	TB 13 - 1/IGN HOT
1#	A13F	14	BN	0500397C1	TB 13 - 1/IGN HOT
1**	A104J	14	BN	0500397C1	TB 13 - 1/IGN HOT
1*	A149D	14	GY	0500397C1	
2*	A13DBAL	14	BN	0500397C1	TB 13 - 2/IGN COLD
2**	A104JAL	14	BN	0500397C1	TB 13 - 2/IGN COLD
2&&	A13FAL	14	BN	0500397C1	TB 13 - 2/IGN COLD
2&&	A13A	14	GY	0500397C1	
2@@	A13B	14	GY	0500397C1	
3	A12	14	PK	0500397C1	E - 3/CHASSIS ACC HOT
4	A12AL	14	PK	0500397C1	E - 4/CHASSIS ACC COLD
5	A5EAL	18	LTGN	1680206C1	TB7 - 1/ACC 10
6	A6EAL	18	BK	1680206C1	TB7 - 2/ACC 09
7	A7EAL	18	GY	1680206C1	TB7 - 3/ACC 08
8	A8EAL	18	PL	1680206C1	TB7 - 4/ACC 07
9	A9EAL	18	YL	1680206C1	TB7 - 5/ACC 06
10	A10EAL	18	YL	1680206C1	TB7 - 6/ACC 05
11	A11EAL	18	OR	1680206C1	TB7 - 7/ACC 04
12	A12EAL	18	OR	1680206C1	TB7 - 8/ACC 03
13	A13EAL	18	PK	1680206C1	TB7 - 9/ACC 02
14	A14EAL	18	BK	1680206C1	TB7 - 10/ACC 01
15	A15EAL	18	LTGN	1680206C1	TB7 - 11/TRK MACH
16	A16EAL	18	DKBL	1680206C1	E - 16/PTO LIGHT GND
17	A17EAL	18	PL	1680206C1	E - 17/FT BUMPER OR DOWN LT
18	A18EAL	18	RD	3518961C1	E - 18/OR DOWN LIGHT
19	A19EAL	18	TN	1680206C1	E - 19/BOOM AJAR LIGHT
20	A20EAL	18	LTGN	3518961C1	E - 20 /OR INTL OVERRIDE OUT
21	A21EAL	18	DKBL	1680206C1	TB17 - 5/START SOL
21@	A17C	18	PK	1680206C1	START RELAY
21@	A17K	18	PK	1680206C1	START RELAY
22	A22EAL	18	WH	1680206C1	TB15 - 7/GND
23	A23EAL	18	RD	3518961C1	TB7 - 14/BATT
24###	A24EAL	18	BK	3518961C1	TB9 - 2/PARK BRAKE
24&	A24EAL	18	BN	3518961C1	TB9 - 2/PARK BRAKE
25	A25EAL	18	WH	1680206C1	E - 25/SPARE 01
26	A26EAL	18	RD	1680206C1	E - 26/WINCH E-STOP LIGHT
27	A27EAL	18	BN	3518961C1	E - 28/SPARE 02
28	A28EAL	18	WH	1680206C1	TB7 - 15/IGN HOT
29	A29EAL	18	BN	3518961C1	TB7 - 13/IGN COLD

NOTE: UTILITY BODY CIRCUIT NAMES

* IGN FEED W/UTILITY BODY W/THEFT DETERRENT
# IGN FEED W/UTILITY BODY N/OPTIONS IN CENTER PANEL
** IGN FEED W/UTILITY BODY W/REMOTE START/STOP
BRAKE SYSTEM -PARKING BRAKE W/UTILITY BODY
& ABS W/FULL PWR,PWR PARK BK W/FUSE W/UTILITY BODY
&& IGNITION FEED-ROCKER START W/UTILITY BODY
@ STARTER CONTROL, ISB W/ ALLISON XMSN W/ UTILITY BODY
@@ IGNITION FEED-REMOTE START/STOP W/UTILITY BODY

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
MJV04	16MAR16	REVISED AND REDRAWN.	F	93408J	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 08JUN09
						PART NO. AE08058187 SHEET 110

Figure 756 Connector Composites (8884B)

https://truckmanualshub.com/

13.240. CONNECTOR COMPOSITES (8884C), P. 111

NAVISTAR, INC

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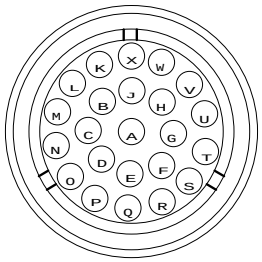
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

UTILITY BODY INTERCONNECT PASS
(8884C)
(LOCATED IN CAB)



CONNECTOR 6099042C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	TABLE C
A	A62EAL	18	BK	1680205C1	BACK LIGHT
B	A22EAL	18	WH	1680205C1	TB15 - 7/GND
C	A23EAL	18	RD	1680205C1	TB7 - 14/BATT
D	A27EAL	18	BN	1680205C1	E - 28/SPARE02
E	A29EAL	18	BN	1680205C1	TB7 - 13/IGN COLD
F	A16EAL	18	DKBL	1680205C1	E - 16/PTO LIGHT GND
G	A15EAL	18	LTGN	1680205C1	TB7 - 11/TRK MACH
H	A14EAL	18	BK	1680205C1	TB7 - 10/ACC 01
J	A13EAL	18	PK	1680205C1	TB7 - 9/ACC 02
K	A12EAL	18	OR	1680205C1	TB7 - 8/ ACC 03
L	A11EAL	18	OR	1680205C1	TB7 - 7/ACC 04
M	A10EAL	18	YL	1680205C1	TB7 - 6/ACC 05
N	A9EAL	18	YL	1680205C1	TB7 - 5/ACC 06
O	A8EAL	18	PL	1680205C1	TB7 - 4/ACC 07
P	A7EAL	18	GY	1680205C1	TB7 - 3/ACC 08
Q	A6EAL	18	BK	1680205C1	TB7 - 2/ACC 09
R	A5EAL	18	LTGN	1680205C1	TB7 - 1/ACC 10
S	A20EAL	18	LTGN	1680205C1	E - 20 /OR INTL OVERRIDE OUT
T	A19EAL	18	TN	1680205C1	E - 19/BOOM AJAR LIGHT
U	A18EAL	18	RD	1680205C1	E - 18/OR DOWN LIGHT
V	A17EAL	18	PL	1680205C1	E - 17/FT BUMPER OR DOWN LT
W	A26EAL	18	RD	1680205C1	E - 26/WINCH E - STOP LIGHT
X	PLUG	-	-	0453133C1	-

NOTE: UTILITY BODY CIRCUIT NAMES

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	24MAR15	CHANGED DESCRIPTION OF		92927M	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	REF R/D	8884C.			RELEASE NO. 61229V	DATE 12JUN09

PART NO. AE08058187 SHEET 111

Figure 757 Connector Composites (8884C)

https://truckmanualshub.com/

13.241. CONNECTOR COMPOSITES (8885), (8885A), (8887), (8888), P. 112

NAVISTAR, INC

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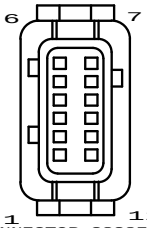
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ALTEC ENGINE BB CONN
(8885)
(LOCATED IN CHASSIS)

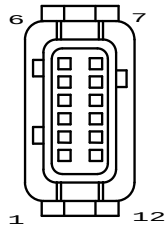


CONNECTOR 3838727C1
BODY LOCK 3589992C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N20AL	18	GY	3626031C1
2	N9AL	18	GY	3626031C1
3	N24AL	18	GY	3626031C1
4	N8AL	18	GY	3626031C1
5	N21AL	18	GY	3626031C1
6	PLUG	-	-	3527276C1
7	PLUG	-	-	3527276C1
8	N6AL	18	GY	3626031C1
9	PLUG	-	-	3527276C1
10	N7AL	18	GY	3626031C1
11	N23AL	18	GY	3626031C1
12	N5AL	18	GY	3626031C1

W/ WORKSTAR

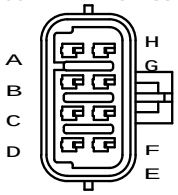
ALTEC ENGINE BB CONN
(8885A)
(LOCATED IN CHASSIS)



CONNECTOR 3838727C1
BODY LOCK 3589992C1

CAV	CIRCUIT	GA	COLOR	TERMINAL
1	PLUG	-	-	3527276C1
2	N9AL	18	GY	3626031C1
3	PLUG	-	-	3527276C1
4	N8AL	18	GY	3626031C1
5	N21AL	18	GY	3626031C1
6	N7AL	18	GY	3626031C1
7	N6AL	18	GY	3626031C1
8	N5AL	18	GY	3626031C1
9	N23AL	18	GY	3626031C1
10	PLUG	-	-	3527276C1
11	N20AL	18	GY	3626031C1
12	N24AL	18	GY	3626031C1

ALTEC TRANS BB ALLISON 1/2000
(8887)
(LOCATED IN CHASSIS)

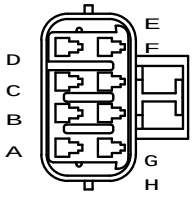


CONNECTOR 3525874C1
BODY LOCK 3525875C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N18AL	18	GY	1667742C1	3568570C1
B	N12AL	18	GY	1667742C1	3568570C1
C	N13AL	18	GY	1667742C1	3568570C1
D	PLUG	-	-	2025431C1	3568570C1
E	N15AL	18	GY	1667742C1	3568570C1
F	N16AL	18	GY	1667742C1	3568570C1
G	N10AL	18	GY	1667742C1	3568570C1
H	PLUG	-	-	2025431C1	3568570C1

W/ WORKSTAR

ALTEC TRANS BB ALLISON 3/4000
(8888)
(LOCATED IN CHASSIS)



CONNECTOR 3525872C1
BODY LOCK 3525873C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N15AL	18	GY	1661875C1	3568570C1
B	N11AL	18	GY	1661875C1	3568570C1
C	N18AL	18	GY	1661875C1	3568570C1
D	N12AL	18	GY	1661875C1	3568570C1
E	N14AL	18	GY	1661875C1	3568570C1
F	N10AL	18	GY	1661875C1	3568570C1
G	N17AL	18	GY	1661875C1	3568570C1
H	PLUG	-	-	2025431C1	3568570C1

W/ WORKSTAR

CHK	DATE	CHANGE	REV	REFERENCE
0488	24MAR15	ADDED R/D 8885A.	E	92927M

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
SHEET 112

Figure 758 Connector Composites (8885), (8885A), (8887), (8888)

https://truckmanualshub.com/

13.242. CONNECTOR COMPOSITES (8900), (8901M), (8903), P. 113

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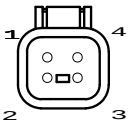
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

EATON VORAD ANTENNA ASSY
(8900)
(LOCATED ON FRONT CROSSMEMBER)

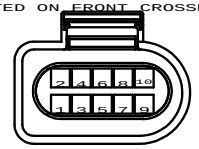


W/ TRANSTAR

CONNECTOR 3545577C1
BODY LOCK 3545579C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	M67A	16	VT	1651969C1
2	M67B	16	VT	1651969C1
3	M67C	16	VT	1651969C1
4	M67D	16	VT	1651969C1

VORAD VS-400 FORWARD RADAR
(8901M)
(LOCATED ON FRONT CROSSMEMBER)

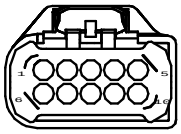


W/ TRANSTAR

CONNECTOR 3673402C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	PLUG	-	-	3577744C1	-
2	PLUG	-	-	3577744C1	-
3	PLUG	-	-	3577744C1	-
4	M5B(+)	18	YL	3673404C1	3573653C1
5	M5B(-)	18	GN	3673404C1	3573653C1
6	PLUG	-	-	3577744C1	-
7	PLUG	-	-	3577744C1	-
8	PLUG	-	-	3577744C1	-
9	M67-GA	18	WH	3673404C1	3573653C1
10	M67AA	18	PK	3673404C1	3573653C1

BENDIX WINGMAN
(8903)
(LOCATED ON CHASSIS)



W/ TRANSTAR

% W/ BENDIX WINGMAN

W/ BENDIX WINGMAN
W/ SMARTWAVE
TPMS 2010

CONNECTOR 6111813C1

CAV	CIRC	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
%1	M5B(+)	20	YL	3987168C1	3987169C1
#1	M5B(+)	20	YL	3987168C1	3987169C1
2	PLUG	-	-	3987171C1	
3	PLUG	-	-	3987171C1	
4	PLUG	-	-	3987171C1	
5	M67-GA	20	WH	3987168C1	3987169C1
%6	M5B(-)	20	GN	3987168C1	3987169C1
#6	M5B(-)	20	GN	3987168C1	3987169C1
7	PLUG	-	-	3987171C1	
8	M67AA	20	PK	3987168C1	3987169C1
9	PLUG	-	-	3987171C1	
10	PLUG	-	-	3987171C1	

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	REVISED AND REDRAWN.	D	92603H

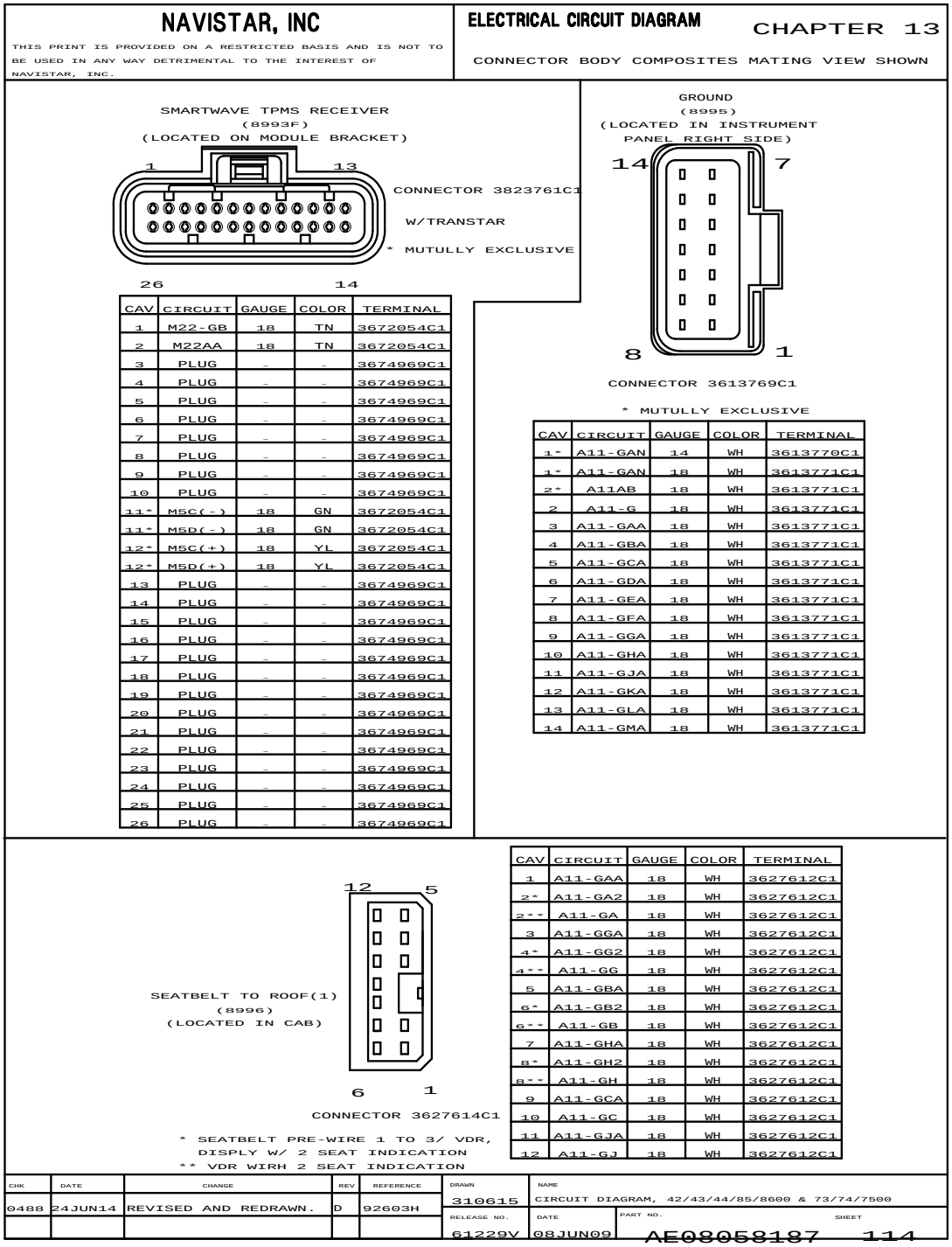
DRAWN 310615 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V | DATE 12JUN09 | PART NO. AE08058187 | SHEET 113

Figure 759 Connector Composites (8900), (8901M), (8903)

https://truckmanualshub.com/

13.243. CONNECTOR COMPOSITES (8993F), (8995), (8996), P. 114



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	M22-GB	18	TN	3672054C1
2	M22AA	18	TN	3672054C1
3	PLUG	-	-	3674969C1
4	PLUG	-	-	3674969C1
5	PLUG	-	-	3674969C1
6	PLUG	-	-	3674969C1
7	PLUG	-	-	3674969C1
8	PLUG	-	-	3674969C1
9	PLUG	-	-	3674969C1
10	PLUG	-	-	3674969C1
11*	M5C(-)	18	GN	3672054C1
11*	M5D(-)	18	GN	3672054C1
12*	M5C(+)	18	YL	3672054C1
12*	M5D(+)	18	YL	3672054C1
13	PLUG	-	-	3674969C1
14	PLUG	-	-	3674969C1
15	PLUG	-	-	3674969C1
16	PLUG	-	-	3674969C1
17	PLUG	-	-	3674969C1
18	PLUG	-	-	3674969C1
19	PLUG	-	-	3674969C1
20	PLUG	-	-	3674969C1
21	PLUG	-	-	3674969C1
22	PLUG	-	-	3674969C1
23	PLUG	-	-	3674969C1
24	PLUG	-	-	3674969C1
25	PLUG	-	-	3674969C1
26	PLUG	-	-	3674969C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	A11-GAN	14	WH	3613770C1
1*	A11-GAN	18	WH	3613771C1
2*	A11AB	18	WH	3613771C1
2	A11-G	18	WH	3613771C1
3	A11-GAA	18	WH	3613771C1
4	A11-GBA	18	WH	3613771C1
5	A11-GCA	18	WH	3613771C1
6	A11-GDA	18	WH	3613771C1
7	A11-GEA	18	WH	3613771C1
8	A11-GFA	18	WH	3613771C1
9	A11-GGA	18	WH	3613771C1
10	A11-GHA	18	WH	3613771C1
11	A11-GJA	18	WH	3613771C1
12	A11-GKA	18	WH	3613771C1
13	A11-GLA	18	WH	3613771C1
14	A11-GMA	18	WH	3613771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A11-GAA	18	WH	3627612C1
2*	A11-GA2	18	WH	3627612C1
2**	A11-GA	18	WH	3627612C1
3	A11-GGA	18	WH	3627612C1
4*	A11-GG2	18	WH	3627612C1
4**	A11-GG	18	WH	3627612C1
5	A11-GBA	18	WH	3627612C1
6*	A11-GB2	18	WH	3627612C1
6**	A11-GB	18	WH	3627612C1
7	A11-GHA	18	WH	3627612C1
8*	A11-GH2	18	WH	3627612C1
8**	A11-GH	18	WH	3627612C1
9	A11-GCA	18	WH	3627612C1
10	A11-GC	18	WH	3627612C1
11	A11-GJA	18	WH	3627612C1
12	A11-GJ	18	WH	3627612C1

Figure 760 Connector Composites (8993F), (8995), (8996)

https://truckmanualshub.com/

13.244. CONNECTOR COMPOSITES (8997), (8998), (8999), (9001), (9002), P. 115

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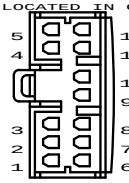
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

SEATBELT TO ROOF(2)
(8997)
(LOCATED IN CAB)

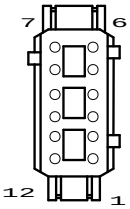


CONNECTOR 2018590C1

* VDR AND SEATBELT PREWIRE
\# SEATBELT PREWIRING 4 TO 6 W/ VDR W/ 2 SEAT INDICATION

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A11-GDA	18	WH	2018639C1
2*	A11-GD	18	WH	2018639C1
2#	A11GD1	18	WH	2018639C1
3	A11-GKA	18	WH	2018639C1
4*	A11-GK	18	WH	2018639C1
4#	A11-GK2	18	WH	2018639C1
5	A11-GEA	18	WH	2018639C1
6*	A11-GE	18	WH	2018639C1
6#	A11-GE2	18	WH	2018639C1
7	A11-GLA	18	WH	2018639C1
8*	A11-GL	18	WH	2018639C1
8#	A11-GL2	18	WH	2018639C1
9	A11-GFA	18	WH	2018639C1
10*	A11-GF	18	WH	2018639C1
10#	A11-GF2	18	WH	2018639C1
11	A11-GMA	18	WH	2018639C1
12*	A11-GM	18	WH	2018639C1
12#	A11-GM2	18	WH	2018639C1

SEATBELT DATA RECORDER
(8998)
(LOCATED IN CAB)

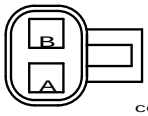


CONNECTOR 3553404C1
BODY LOCK 3553460C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3527276C1
2	PLUG	-	-	3527276C1
3	PLUG	-	-	3527276C1
4	A3D(+)	20	DKBL	3727971C1
5	A3D(-)	20	GY	3727971C1
6*	A5D(+)	18	YL	3518963C1
6**	A5B(+)	18	YL	3518963C1
6**	A5D2(+)	18	GN	3518963C1
7*	A5D(-)	18	GN	3518963C1
7**	A5B(-)	18	GN	3518963C1
7**	A5D2(-)	18	YL	3518963C1
8	PLUG	-	-	3527276C1
9	PLUG	-	-	3527276C1
10*	A14R	18	RD	3518963C1
10**	A14RC	18	RD	3518963C1
10**	A12R2	18	RD	3518963C1
11	PLUG	-	-	3527276C1
12*	A11-G	18	WH	3518963C1
12**	A11-G3	18	WH	3518963C1

* SEATBELT PREWIRING 1 TO 3
** SEATBELT PREWIRING 1 TO 3 W/ VDR W/ 2 SEAT INDICATION

LEFT SIDE UC HEATED DRAIN VALVE /
RIGHT SIDE HEATED DRAIN VALVE
(9001 / 9002)
(LOCATED NEAR LEFT SIDE AIR TANKS)

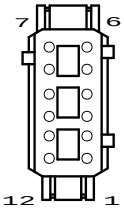


W/ WORKSTAR
W/ DURASTAR

CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N39A	18	GY	2033819C1	1652325C1
B	N39-GF	18	WH	2033819C1	1652325C1

SEATBELT
SEAT INDICATOR
(8999)
(LOCATED IN CAB)



CONNECTOR 3586750C1
BODY LOCK 3553460C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1&	A11-GA	18	WH	3518963C1
1*	A11-GA1	18	WH	3518963C1
1*	A11-GA3	18	WH	3518963C1
2&	A11-GB	18	WH	3518963C1
2*	A11-GB1	18	WH	3518963C1
2*	A11-GB3	18	WH	3518963C1
3&&	A11-GC	18	WH	3518963C1
4%%%	A11-GD	18	WH	3518963C1
4#	A11-GD1	18	WH	3518963C1
4@	A11GD3	18	WH	3518963C1
5%%%	A11-GE	18	WH	3518963C1
5#	A11-GE1	18	WH	3518963C1
5@	A11-GE3	18	WH	3518963C1
6**	A11-GF	18	WH	3518963C1
6#	A11-GF1	18	WH	3518963C1
6%	A11-GF3	18	WH	3518963C1
7**	A11-GM	18	WH	3518963C1
7#	A11-GM1	18	WH	3518963C1
7%	A11-GM3	18	WH	3518963C1
8%%%	A11-GL	18	WH	3518963C1
8#	A11-GL1	18	WH	3518963C1
8@	A11-GL3	18	WH	3518963C1
9%%%	A11-GK	18	WH	3518963C1
9#	A11-GK1	18	WH	3518963C1
9@	A11-GK3	18	WH	3518963C1
10&&	A11-GJ	18	WH	3518963C1
11&	A11-GH	18	WH	3518963C1
11*	A11-GH1	18	WH	3518963C1
11*	A11-GH3	18	WH	3518963C1
12&&	A11-GG	18	WH	3518963C1
12*	A11-GG1	18	WH	3518963C1
12*	A11-GG3	18	WH	3518963C1

* SEATBELT PREWIRING 1 TO 3 W/VDR W/ SEAT INDICATION
\# VDR AND SEAT BELT PREWIRE
% VDR AND SEAT BELT PREWIRE REAR CENTER SEAT
& SEATBELT PREWIRING 1 TO 3
@ SEATBELT PREWIRING 4 TO 6 W/ VDR W/ SEAT INDICATION
%%% SEATBELT WIRNG 4 TO 6
&& SEATBELT PREWIRING FRONT CENTER

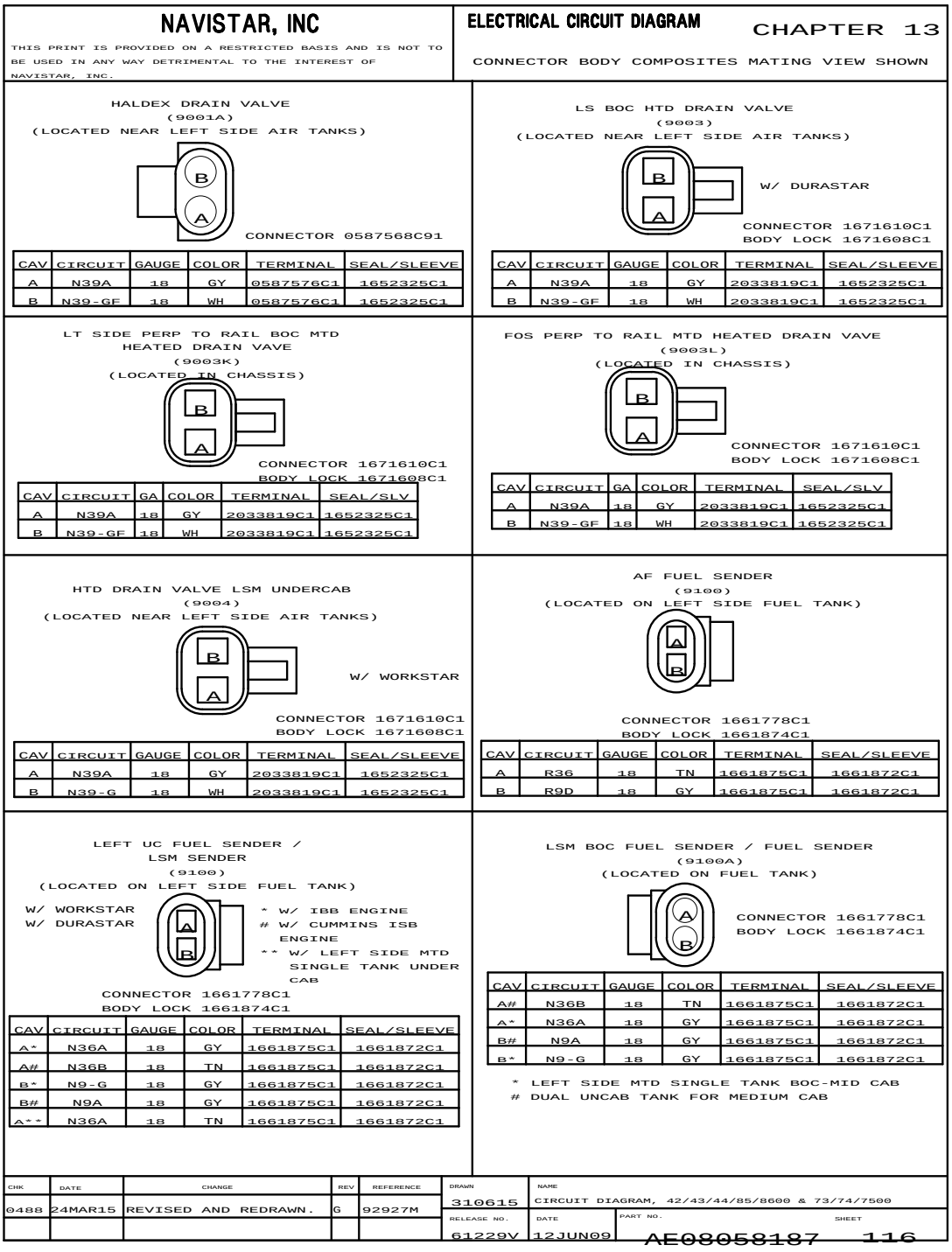
CHK	DATE	CHANGE	REV	REFERENCE
0488	24MAR15	ADDED R/D 9001/9002.	G	92927M

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 12JUN09
PART NO. AE08058187
SHEET 115

Figure 761 Connector Composites (8997), (8998), (8999), (9001), (9002)

https://truckmanualshub.com/

13.245. CONNECTOR COMPOSITES (9001A), (9003), (9003K), (9003L), (9004), (9100), (9100A), P. 116



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ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

HALDEX DRAIN VALVE
(9001A)
(LOCATED NEAR LEFT SIDE AIR TANKS)

CONNECTOR 0587568C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N39A	18	GY	0587576C1	1652325C1
B	N39-GF	18	WH	0587576C1	1652325C1

LS BOC HTD DRAIN VALVE
(9003)
(LOCATED NEAR LEFT SIDE AIR TANKS)

W/ DURASTAR

CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N39A	18	GY	2033819C1	1652325C1
B	N39-GF	18	WH	2033819C1	1652325C1

LT SIDE PERP TO RAIL BOC MTD
HEATED DRAIN VAVE
(9003K)
(LOCATED IN CHASSIS)

CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A	N39A	18	GY	2033819C1	1652325C1
B	N39-GF	18	WH	2033819C1	1652325C1

FOS PERP TO RAIL MTD HEATED DRAIN VAVE
(9003L)
(LOCATED IN CHASSIS)

CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A	N39A	18	GY	2033819C1	1652325C1
B	N39-GF	18	WH	2033819C1	1652325C1

HTD DRAIN VALVE LSM UNDERCAB
(9004)
(LOCATED NEAR LEFT SIDE AIR TANKS)

W/ WORKSTAR

CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N39A	18	GY	2033819C1	1652325C1
B	N39-G	18	WH	2033819C1	1652325C1

AF FUEL SENDER
(9100)
(LOCATED ON LEFT SIDE FUEL TANK)

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R36	18	TN	1661875C1	1661872C1
B	R9D	18	GY	1661875C1	1661872C1

LEFT UC FUEL SENDER /
LSM SENDER
(9100)
(LOCATED ON LEFT SIDE FUEL TANK)

W/ WORKSTAR
W/ DURASTAR

* W/ IBB ENGINE
# W/ CUMMINS ISB ENGINE
** W/ LEFT SIDE MTD SINGLE TANK UNDER CAB

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	N36A	18	GY	1661875C1	1661872C1
A#	N36B	18	TN	1661875C1	1661872C1
B*	N9-G	18	GY	1661875C1	1661872C1
B#	N9A	18	GY	1661875C1	1661872C1
A**	N36A	18	TN	1661875C1	1661872C1

LSM BOC FUEL SENDER / FUEL SENDER
(9100A)
(LOCATED ON FUEL TANK)

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A#	N36B	18	TN	1661875C1	1661872C1
A*	N36A	18	GY	1661875C1	1661872C1
B#	N9A	18	GY	1661875C1	1661872C1
B*	N9-G	18	GY	1661875C1	1661872C1

* LEFT SIDE MTD SINGLE TANK BOC-MID CAB
# DUAL UNCAB TANK FOR MEDIUM CAB

CHK	DATE	CHANGE	REV	REFERENCE
0488	24MAR15	REVISED AND REDRAWN.	G	92927M

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 12JUN09
PART NO. AE08058187
SHEET 116

Figure 762 Connector Composites (9001A), (9003), (9003K), (9003L), (9004), (9100), (9100A)

https://truckmanualshub.com/

13.246. CONNECTOR COMPOSITES (9100B), (9100C), (9101), (9101A), (9102A / 9102), (9102B), (9102C), (9102D / 9102W), (9102E), (9103 / 9102V / 9102X), (9103A), P. 117

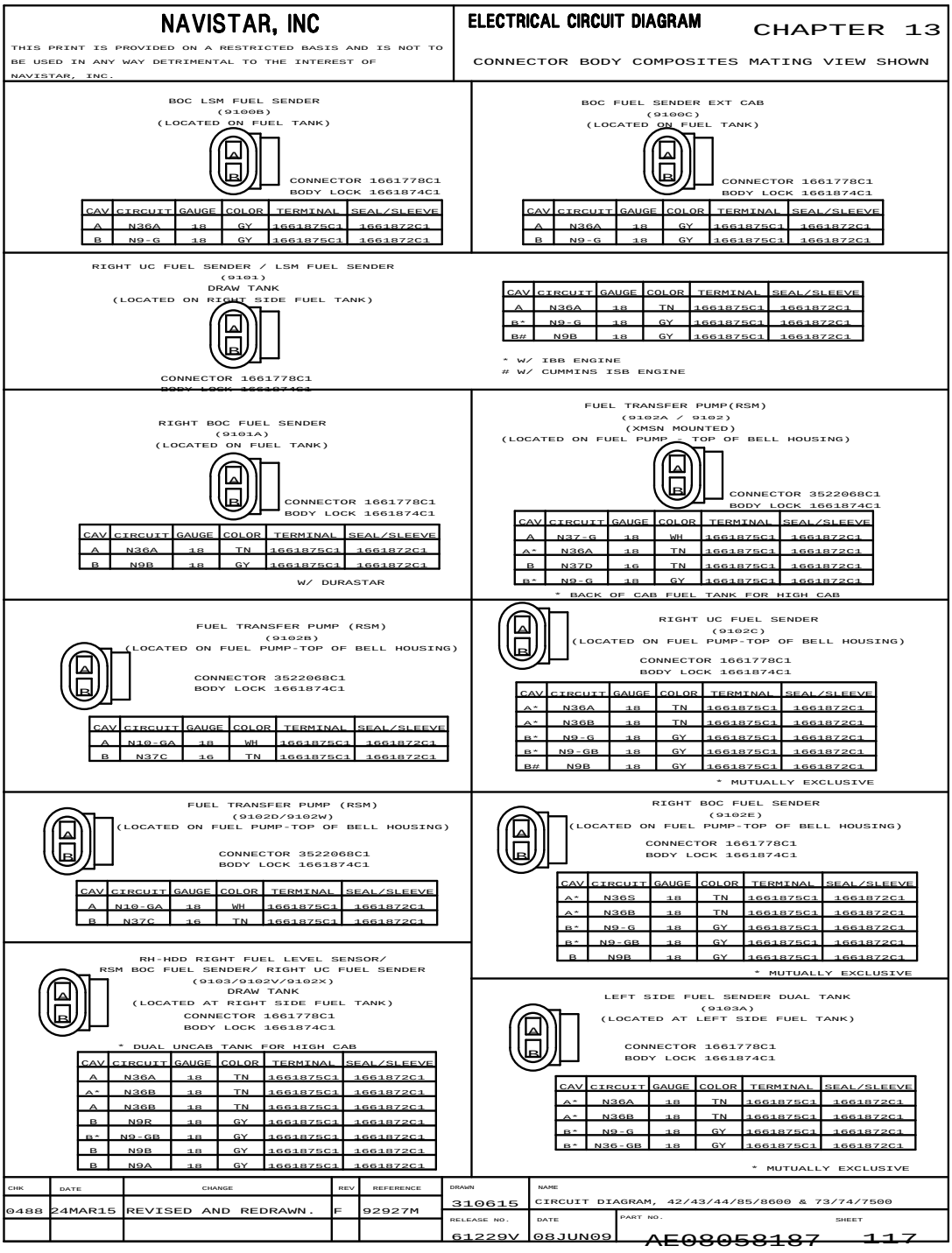

Figure 763 Connector Composites (9100B), (9100C), (9101), (9101A), (9102A / 9102), (9102B), (9102C), (9102D / 9102W), (9102E), (9103 / 9102V / 9102X), (9103A)

https://truckmanualshub.com/

13.247. CONNECTOR COMPOSITES (9108A), (9108B), (9108C), (9108D), (9108E), (9108F), (9108G), P. 118

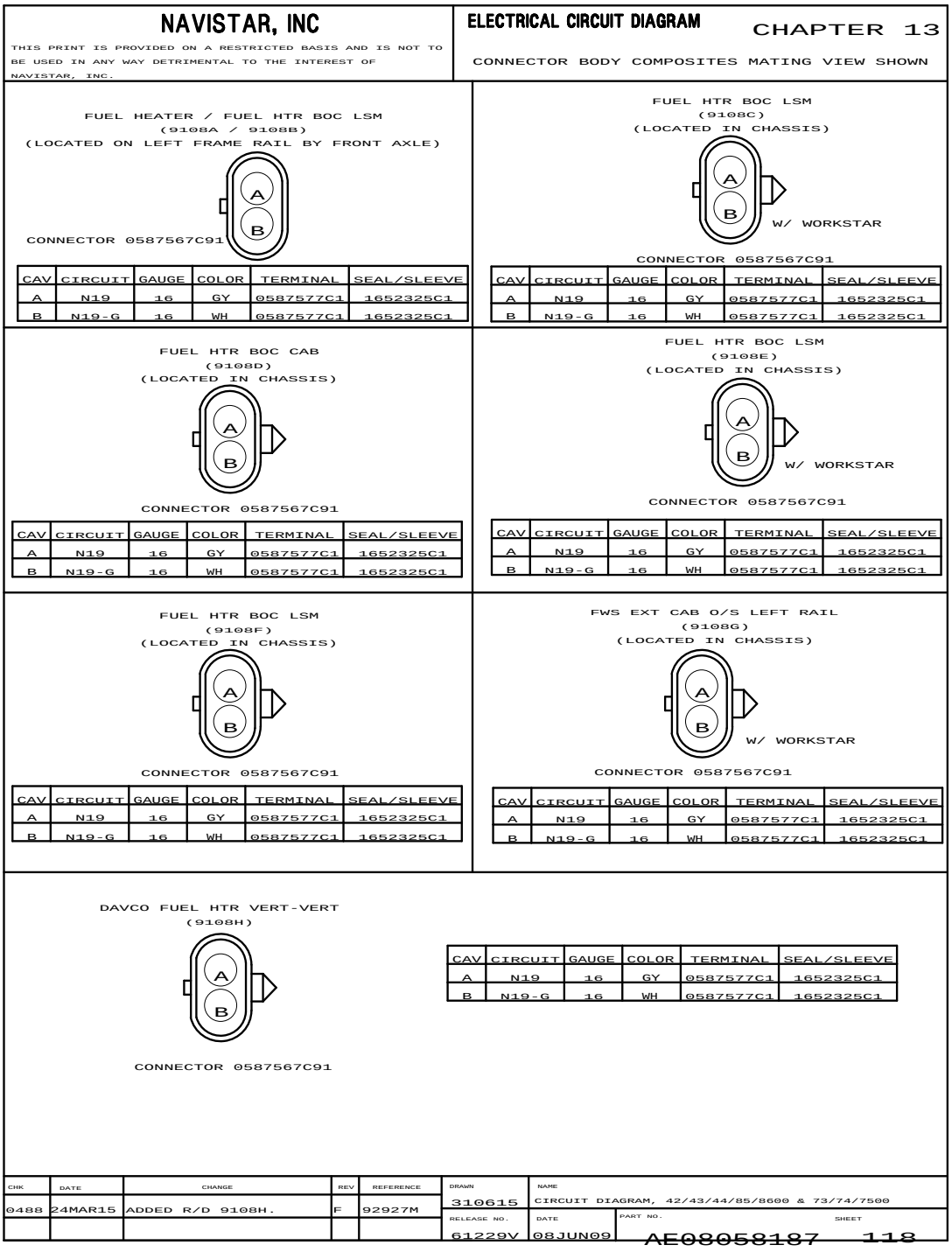

Figure 764 Connector Composites (9108A), (9108B), (9108C), (9108D), (9108E), (9108F), (9108G)

https://truckmanualshub.com/

13.248. CONNECTOR COMPOSITES (9109), (9120), (9120A), (9250), (9251), (9251A), P. 119

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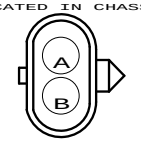
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

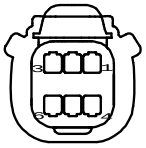
BOC FUEL HTR
(9109)
(LOCATED IN CHASSIS)



CONNECTOR 0587567C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N19	16	GY	0587577C1	1652325C1
B	N19-G	16	WH	0587577C1	1652325C1

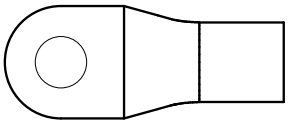
AGILITY TANK INTERFACE
(9120/9120A)
(LOCATED AT LEFT SIDE OF ENGINE)



CONNECTOR 3964593C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N147-G	16	TN	3686944C1
2	N147E	16	TN	3686944C1
3	N147A	16	TN	3686944C1
4	N147B	16	TN	3686944C1
5	N147C	16	TN	3686944C1
6	N147D	16	TN	3686944C1

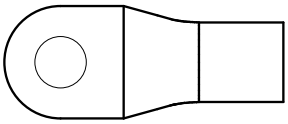
BATTERY POSITIVE
(9250)
(LOCATED NEAR THE BATTERY CABLE)



TERMINAL 2241393C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A	1/0	0	RD	2241393C1	2643309R1

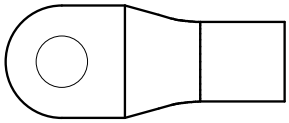
BATTERY POSITIVE
(9250)
(LOCATED NEAR THE BATTERY CABLE)



TERMINAL 2241436C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A	N14HB	10	RD	2241436C1	2643309R1

BATTERY POSITIVE
(9251/9251A)
(LOCATED NEAR THE BATTERY CABLE)



TERMINAL 2241436C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A	1/0	0	RD	2241436C1	3812583R1
A	N14KB	8	RD	2241436C1	3812583R1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	20NOV14	REVISED AND REDRAWN.	E	92674A	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 08JUN09 / PART NO. AE08058187 / SHEET 119

Figure 765 Connector Composites (9109), (9120), (9120A), (9250), (9251), (9251A)

https://truckmanualshub.com/

13.249. CONNECTOR COMPOSITES (9260), (9261), (9263F), (9264F), P. 120

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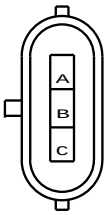
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

BATTERY ECM NEGATIVE
(9260)
(LOCATED AT LEFT SIDE OF ENGINE)

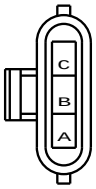


* MUTUALLY EXCLUSIVE
# W/ V8 ENGINE
@ W/ I6, I-367 ENGINE

CONNECTOR 1667732C1
#1667733C1
BODY LOCK 1667734C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K97-GA	10	WH	2025425C1	1667735C1
A#	PLUG	-	-	1675751C1	-
B*	K92-G	10	GY	2025425C1	1667735C1
B*	K11-GAM	12	WH	2025424C1	1671603C1
C	K97-GC	10	WH	2025425C1	-
C#	K92-GP	10	WH	1667737C1	-
C@	K97-GH	10	WH	2025425C1	1667735C1

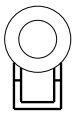
BATTERY ECM POSITIVE
(9261)
(LOCATED AT LEFT SIDE OF ENGINE)



CONNECTOR 1667733C1
#1667732C1
BODY LOCK 1667734C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K97AA	10	RD	1667737C1
A#	K97AA	10	RD	2025425C1
B*	K92B110	10	PK	1667737C1
B*	K92D170	10	PK	1667737C1
B*	K14AW	12	RD	1667737C1
B#*	K92B110	10	PK	2025425C1
B#*	K92D170	10	PK	2025425C1
C	K97H	10	RD	1667737C1

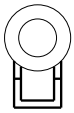
BATT RADIO NEGATIVE CONN
(9263F)
(LOCATED NEAR IP HARNESS)



CONNECTOR 1669834C1
BODY LOCK 1675053C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K14-GD	10	WH	1687848C1	0589390C1
A	K14-G	12	WH	2033912C1	0589391C1

2 WAY RADIO POSITIVE CONN
(9264F)
(LOCATED NEAR IP HARNESS)



CONNECTOR 1669834C1
BODY LOCK 1675053C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N14HC	10	RD	1687848C1	0589390C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	09SEP15	ADDED CIRC K97-GH,	G	93248U
		SEAL P/N AT R/D 9260.		

DRAWN	NAME
310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V	DATE 08JUN09
PART NO. AE08058187	SHEET 120

Figure 766 Connector Composites (9260), (9261), (9263F), (9264F)

https://truckmanualshub.com/

13.250. CONNECTOR COMPOSITES (9264M), (9265), (9266), (9269), (9270), (9280), P. 121

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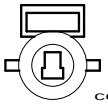
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

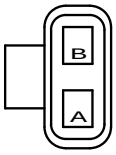
BATT RADIO POSITIVE CONN
(9264M)
(LOCATED NEAR IP HARNESS)



CONNECTOR 1664531C1
BODY LOCK 1675053C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K14HC	10	RD	1687847C1	0589390C1
A	K14A	12	RD	2033816C1	0589391C1

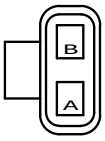
2 WAY RADIO FEED FUSE CONN
(9265)
(LOCATED NEAR IP HARNESS)



CONNECTOR 3512967C1

CAV	CIRCUIT	GA	COLOR	TERMINAL
A	N14HB	10	RD	3679001C1
A	N14HC	10	RD	3679001C1
B	PLUG	-	-	0453133C1

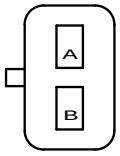
BATTERY ECM
(9266)
(LOCATED AT BATTERY CABLES)



CONNECTOR 3512967C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K14AX	10	RD	3679001C1
B	K92B	10	RD	3679001C1

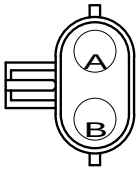
BATTERY HCM NEG CONN
(9269)
(LOCATED AT LEFT SIDE OF ENGINE)



CONNECTOR 3839046C91
BODY LOCK 1667640C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K92-GB	10	WH	1661233C1
B	PLUG	-	-	0453133C1

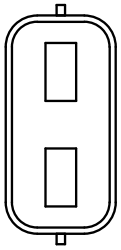
ENGINE DCU POSITIVE FEED
(9270)
(LOCATED AT BATTERY CABLES)



CONNECTOR 2031520C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	K97K	10	RD	2025423C1
B	PLUG	-	-	2025432C1

HYD PUMP POSITIVE FEED
(9280)
(LOCATED NEAR IP HARNESS)



CONNECTOR 3525613C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A	N14KA	8	RD	3525614C1	3515525C1
B	N14KB	8	RD	3525614C1	3515525C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	24MAR15	ADDED CIRC K14A IN	F	92927M
	R/D 9264M.			

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
SHEET 121

Figure 767 Connector Composites (9264M), (9265), (9266), (9269), (9270), (9280)

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13.251. CONNECTOR COMPOSITES (9300), P. 122

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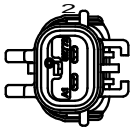
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CENTER/FORWARD CHASSIS HARNNESS CONNECTION
(9300)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)

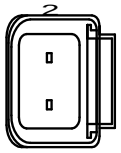


W/ DURASTAR

CONNECTOR 3924162C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N39B	16	GY	3618273C1
2	N39-GB	16	WH	3618273C1

FORWARD/CENTER CHASSIS HARNNESS CONNECTION
(9300)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)

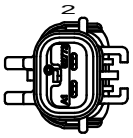


W/ DURASTAR

CONNECTOR 3626436C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	M39B	16	GY	3613770C1
2	M39-GB	16	WH	3613770C1

CENTER/FORWARD CHASSIS HARNESS CONNECTION
(9300)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)



CONNECTOR 3756499C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N39B	16	GY	3618273C1
2	N39-GB	16	WH	3618273C1

W/ DURASTAR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
_	_	REVISED AND REDRAWN.	E	92674A	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 08JUN09
					PART NO. AE08058187	SHEET 122

Figure 768 Connector Composites (9300)

https://truckmanualshub.com/

13.252. CONNECTOR COMPOSITES (9300), P. 123

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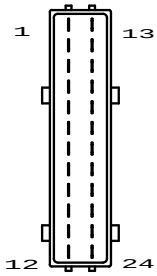
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN



FORWARD CHASSIS / CENTER CHASSIS HARN CONN (9300) (LOCATED ON LEFT FRAME RAIL BEHIND CAB)

CONNECTOR 3558022C1
BODY LOCK 3558056C1

W/ TRANSTAR

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	M6VDC	18	GY	3559036C1	3509903C1
2	M9VA	18	GY	3559036C1	3509903C1
3	MA2	18	GY	3559036C1	3509903C1
4	MA4	18	GY	3559036C1	3509903C1
5	MA5	18	GY	3559036C1	3509903C1
6	MA3	18	GY	3559036C1	3509903C1
7	MA1	18	GY	3559036C1	3509903C1
8	M11-GM	18	GY	3559036C1	3509903C1
9	M73R	16	LTGN	3559037C1	3509903C1
9	M67AB	16	PK	3559037C1	3509903C1
10	M73M	16	LTGN	3559037C1	3509903C1
10	M67B	16	GY	3559037C1	3509903C1
11	M73AF	16	LTGH	3559037C1	3509903C1
11	M67C	16	GY	3559037C1	3509903C1
12	M67D	16	GY	3559037C1	3509903C1
13	PLUG	-	-	3532129C1	-
14	PLUG	-	-	3532129C1	-
15	PLUG	-	-	3532129C1	-
16	PLUG	-	-	3532129C1	-
17	PLUG	-	-	3532129C1	-
18	PLUG	-	-	3532129C1	-
19	PLUG	-	-	3532129C1	-
20	PLUG	-	-	3532129C1	-
21	PLUG	-	-	3532129C1	-
22	PLUG	-	-	3532129C1	-
23	PLUG	-	-	3532129C1	-
24	PLUG	-	-	3532129C1	-

CHK	DATE	CHANGE	REV.	REFERENCE	DRAWN	NAME
-	-	REVISED AND REDRAWN.	E	92674A	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 08JUN09
						PART NO. AE08058187
						SHEET 123

Figure 769 Connector Composites (9300)

https://truckmanualshub.com/

13.253. CONNECTOR COMPOSITES (9300), P. 124

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

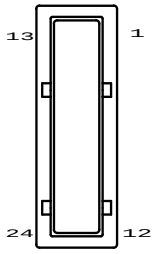
CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

BODY BUILDER CONNECTION
(9300)
(LOCATED ON LEFT
FRAME RAIL BEHIND CAB)

CONNECTOR 3558026C1
BODY LOCK 3558056C1

W/ WORKSTAR

* MUTUALLY EXCLUSIVE



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N6VDC	18	GY	3509874C1	3509903C1
2	N9VA	18	GY	3509874C1	3509903C1
3	NA2	18	GY	3509874C1	3509903C1
4	NA4	18	GY	3509874C1	3509903C1
5	NA5	18	GY	3509874C1	3509903C1
6	NA3	18	GY	3509874C1	3509903C1
7	NA1	18	GY	3509874C1	3509903C1
8	N11-GM	18	GY	3509874C1	3509903C1
9*	N67AB	16	PK	3559035C1	3509903C1
9*	N73R	16	LTBL	3559035C1	3509903C1
10*	N67B	16	GY	3559035C1	3509903C1
10*	N73M	16	LTBL	3559035C1	3509903C1
11*	N67C	16	GY	3559035C1	3509903C1
11*	N73AF	16	LTBL	3559035C1	3509903C1
12	N67D	16	GY	3559035C1	3509903C1
13	PLUG	-	-	3532129C1	-
14	N22B	18	TN	3509874C1	3509903C1
15	N22A	18	TN	3509874C1	3509903C1
16	N98(+)	18	BK	3509874C1	3532128C1
17	N98(-)	18	BK	3509874C1	3532128C1
18	N3C(+)	18	DK BL	3509874C1	3532128C1
19	N3C(-)	18	GY	3509874C1	3532128C1
20	PLUG	-	-	3532129C1	-
21	PLUG	-	-	3532129C1	-
22	N19A	16	GY	3559035C1	3509903C1
23	N39B	16	GY	3559035C1	3509903C1
24	N39-GB	16	WH	3559035C1	3509903C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	REVISED AND REDRAWN.	E	92674A	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 08JUN09 PART NO. AE08058187 SHEET 124

Figure 770 Connector Composites (9300)

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13.254. CONNECTOR COMPOSITES (9301), (9303A), (9303D), P. 125

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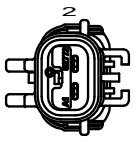
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CENTER/FORWARD CHASSIS HARNNESS CONNECTION
(9301)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)

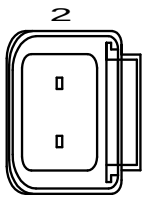


W/ DURASTAR

CONNECTOR 3756499C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	[N19A]	16	GY	3618273C1
1	[N19B]	16	GY	3618273C1
1	[N19C]	16	GY	3618273C1

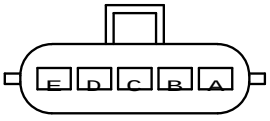
FORWARD/CENTER CHASSIS HARN CONNECTOR
(9301)
(LOCATED ION LEFT FRAME RAIL BEHIND CAB)



CONNECTOR 3626436C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	M19A	16	GY	3613770C1

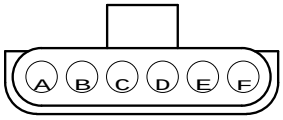
STOP TAIL AND TURN
(9303A)
(LOCATED AT REAR END OF LEFT FRAME RAIL)



CONNECTOR 1661375C2
BODY LOCK 1661376C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R71	14	OR	2033816C1	0589391C1
B	R56	14	OR	2033816C1	0589391C1
C	R57	14	OR	2033816C1	0589391C1
D	R68	14	BN	2033816C1	0589391C1
E	R10-G	12	WH	2033816C1	0589391C1

STOP TURN AND BACKUP LIGHT
(9303D)
(LOCATED IN CHASSIS)



CONNECTOR 0587574C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R71	14	OR	0587575C1	0589391C1
B	R56	14	OR	0587575C1	0589391C1
C	R57	14	OR	0587575C1	0589391C1
D	R68	14	BN	0587575C1	0589391C1
E	R70	14	OR	0587575C1	0589391C1
F	R11-GTL	12	WH	1673747C1	0589391C1

CHK	DATE	CHANGE	REV	REFERENCE
-	-	REVISED AND REDRAWN.	E	92674A

DRAWN 310615 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V | DATE 08JUN09 | PART NO. AE08058187 | SHEET 125

Figure 771 Connector Composites (9301), (9303A), (9303D)

https://truckmanualshub.com/

13.255. CONNECTOR COMPOSITES (9310), (9311), (9315), (9316), (9357), P. 126

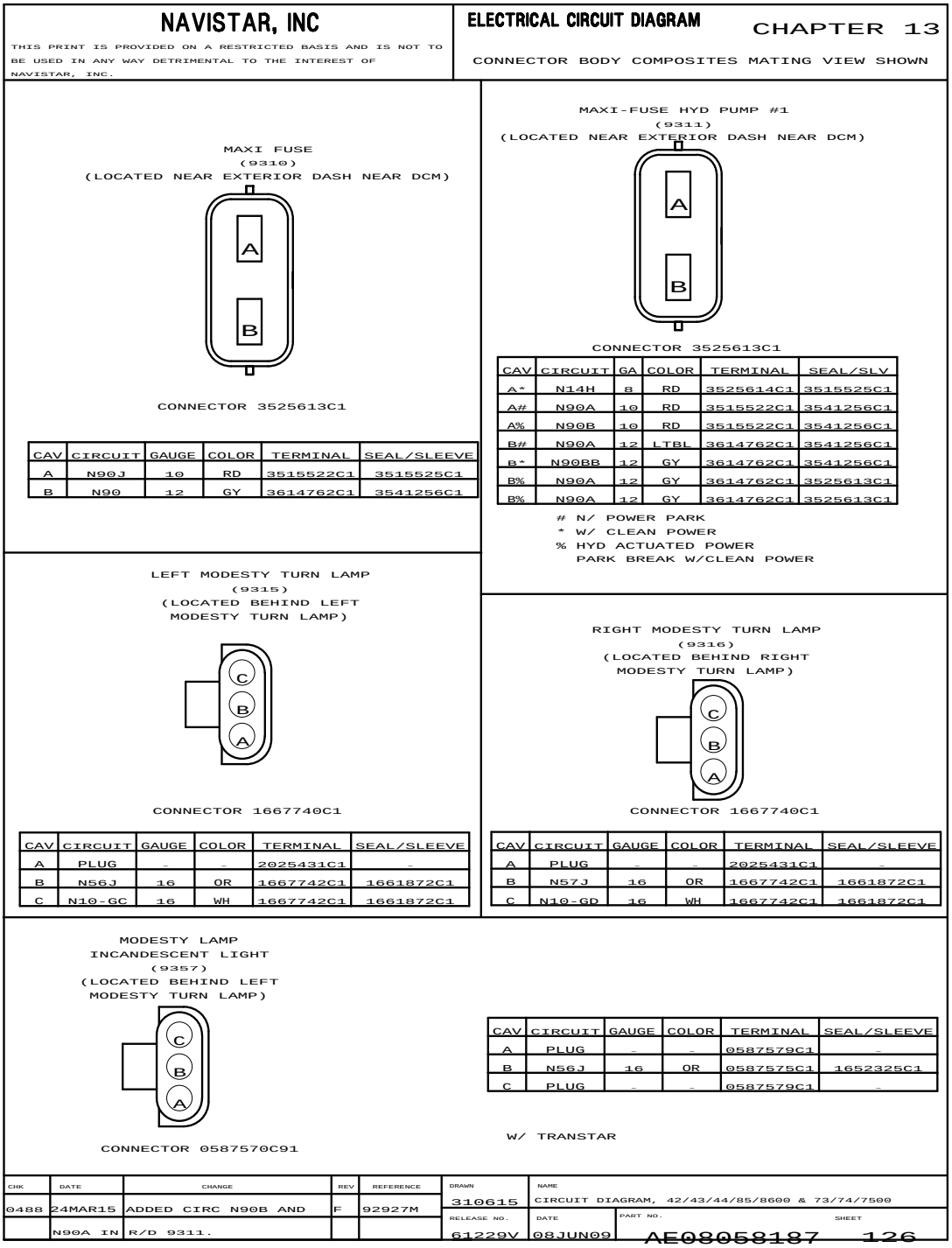
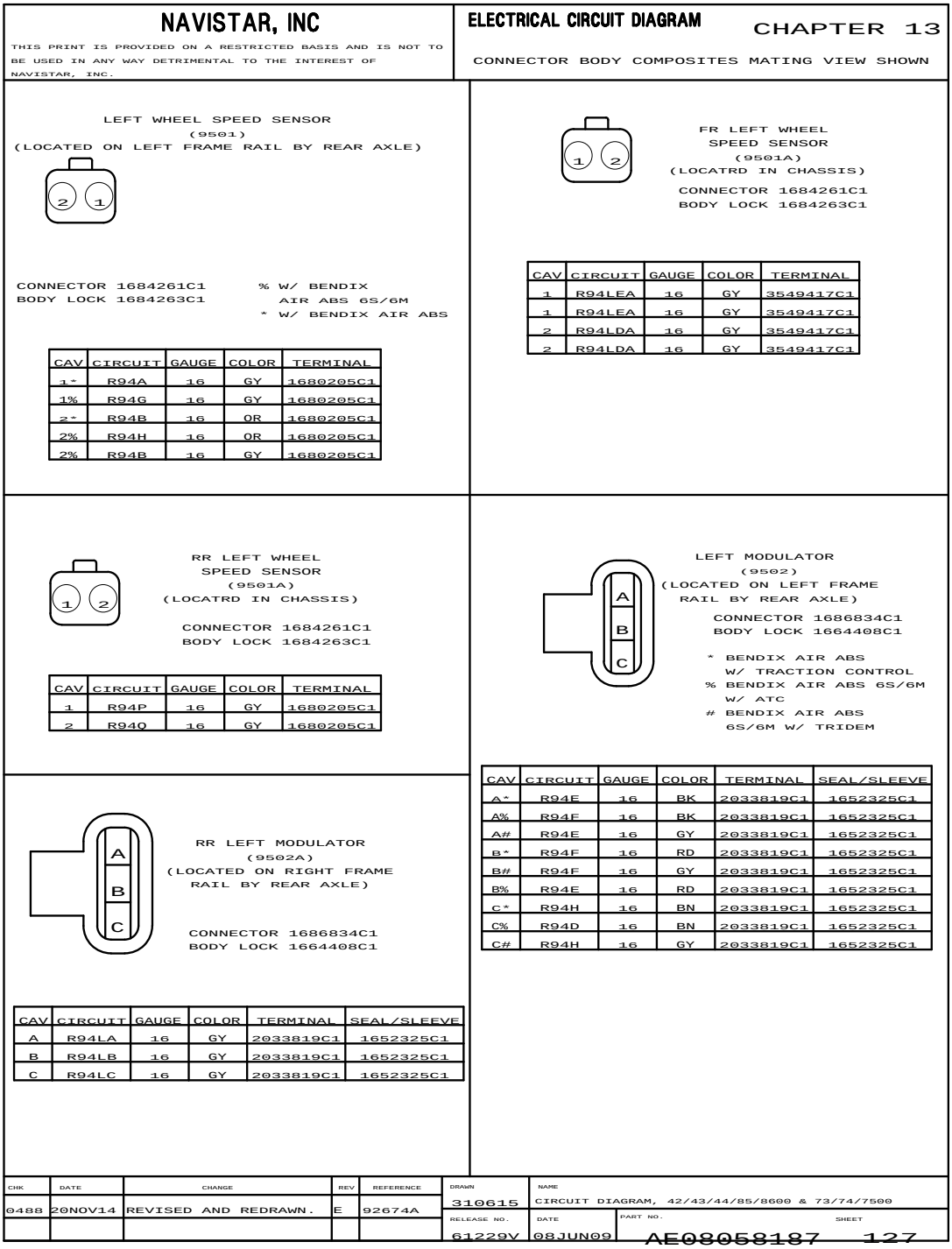


Figure 772 Connector Composites (9310), (9311), (9315), (9316), (9357)

https://truckmanualshub.com/

13.256. CONNECTOR COMPOSITES (9501), (9501A), (9502), (9502A), P. 127



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ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

LEFT WHEEL SPEED SENSOR
(9501)
(LOCATED ON LEFT FRAME RAIL BY REAR AXLE)

CONNECTOR 1684261C1
BODY LOCK 1684263C1

% W/ BENDIX AIR ABS 6S/6M
* W/ BENDIX AIR ABS

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	R94A	16	GY	1680205C1
1%	R94G	16	GY	1680205C1
2*	R94B	16	OR	1680205C1
2%	R94H	16	OR	1680205C1
2%	R94B	16	GY	1680205C1

FR LEFT WHEEL SPEED SENSOR
(9501A)
(LOCATRD IN CHASSIS)

CONNECTOR 1684261C1
BODY LOCK 1684263C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R94LEA	16	GY	3549417C1
1	R94LEA	16	GY	3549417C1
2	R94LDA	16	GY	3549417C1
2	R94LDA	16	GY	3549417C1

RR LEFT WHEEL SPEED SENSOR
(9501A)
(LOCATRD IN CHASSIS)

CONNECTOR 1684261C1
BODY LOCK 1684263C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R94P	16	GY	1680205C1
2	R94Q	16	GY	1680205C1

LEFT MODULATOR
(9502)
(LOCATED ON LEFT FRAME RAIL BY REAR AXLE)

CONNECTOR 1686834C1
BODY LOCK 1664408C1

* BENDIX AIR ABS W/ TRACTION CONTROL
% BENDIX AIR ABS 6S/6M W/ ATC
# BENDIX AIR ABS 6S/6M W/ TRIDEM

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	R94E	16	BK	2033819C1	1652325C1
A%	R94F	16	BK	2033819C1	1652325C1
A#	R94E	16	GY	2033819C1	1652325C1
B*	R94F	16	RD	2033819C1	1652325C1
B#	R94F	16	GY	2033819C1	1652325C1
B%	R94E	16	RD	2033819C1	1652325C1
C*	R94H	16	BN	2033819C1	1652325C1
C%	R94D	16	BN	2033819C1	1652325C1
C#	R94H	16	GY	2033819C1	1652325C1

RR LEFT MODULATOR
(9502A)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)

CONNECTOR 1686834C1
BODY LOCK 1664408C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R94LA	16	GY	2033819C1	1652325C1
B	R94LB	16	GY	2033819C1	1652325C1
C	R94LC	16	GY	2033819C1	1652325C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	20NOV14	REVISED AND REDRAWN.	E	92674A

DRAWN 310615 — NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V — DATE 08JUN09 — PART NO. AE08058187 — SHEET 127

Figure 773 Connector Composites (9501), (9501A), (9502), (9502A)

https://truckmanualshub.com/

13.257. CONNECTOR COMPOSITES (9503), (9503A), (9504), P. 128

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

RIGHT REAR WHEEL SPEED SENSOR
(9503)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)

CONNECTOR 1684261C1
BODY LOCK 1684263C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	R94C	16	DKBL	1680205C1
1%	R94J	16	DKBL	1680205C1
1#	R94C	16	GY	1680205C1
2*	R94D	16	YL	1680205C1
2%	R94K	16	YL	1680205C1
2#	R94D	16	GY	1680205C1

* BENDIX AIR ABS
W/ TRACTION CONTROL
% BENDIX AIR ABS 6S/6M
W/ ATC
BENDIX AIR ABS
6S/6M W/ TRIDEM

FR RIGHT WHEEL SENSOR
(9503A)
(LOCATED IN CHASSIS)

CONNECTOR 1684261C1
BODY LOCK 1684263C1

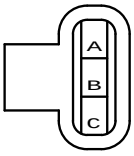
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R94RHA	16	GY	1680205C1
1	R94RHA	16	GY	1680205C1
2	R94RFA	16	GY	1680205C1
2	R94RFA	16	GY	1680205C1

RR RIGHT WHEEL SENSOR
(9503A)
(LOCATED IN CHASSIS)

CONNECTOR 1684261C1
BODY LOCK 1684263C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	R94R	16	GY	1680205C1
B	R94S	16	GY	1680205C1

RIGHT MODULATOR
(9504)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)



CONNECTOR 1686834C1
BODY LOCK 1664408C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	R94J	16	PL	2033819C1	1652325C1
A#	R94J	16	GY	2033819C1	1652325C1
A%	R94C	16	PL	2033819C1	1652325C1
B*	R94K	16	LTGN	2033819C1	1652325C1
B%	R94A	16	LTGN	2033819C1	1652325C1
B#	R94K	16	GY	2033819C1	1652325C1
C*	R94L	16	LTBL	2033819C1	1652325C1
C%	R94B	16	LTBL	2033819C1	1652325C1
C#	R94L	16	GY	2033819C1	1652325C1

* BENDIX AIR ABS
W/ TRACTION CONTROL
% BENDIX AIR ABS 6S/6M
W/ ATC
BENDIX AIR ABS
6S/6M W/ TRIDEM

CHK	DATE	CHANGE	REV	REFERENCE
0488	20NOV14	REVISED AND REDRAWN.	E	92674A

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
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Figure 774 Connector Composites (9503), (9503A), (9504)

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13.258. CONNECTOR COMPOSITES (9504A), (9505), (9506), P. 129

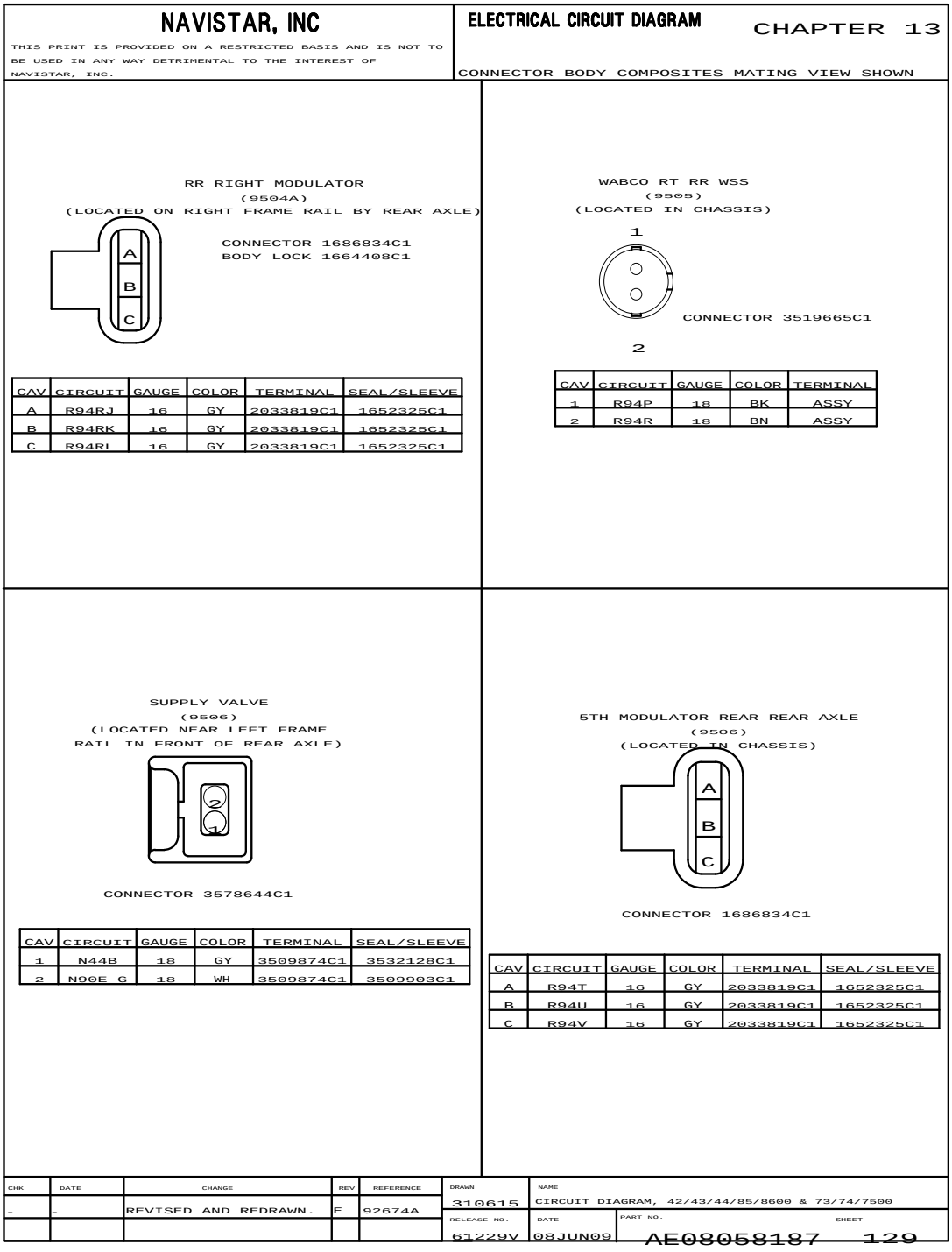

Figure 775 Connector Composites (9504A), (9505), (9506)

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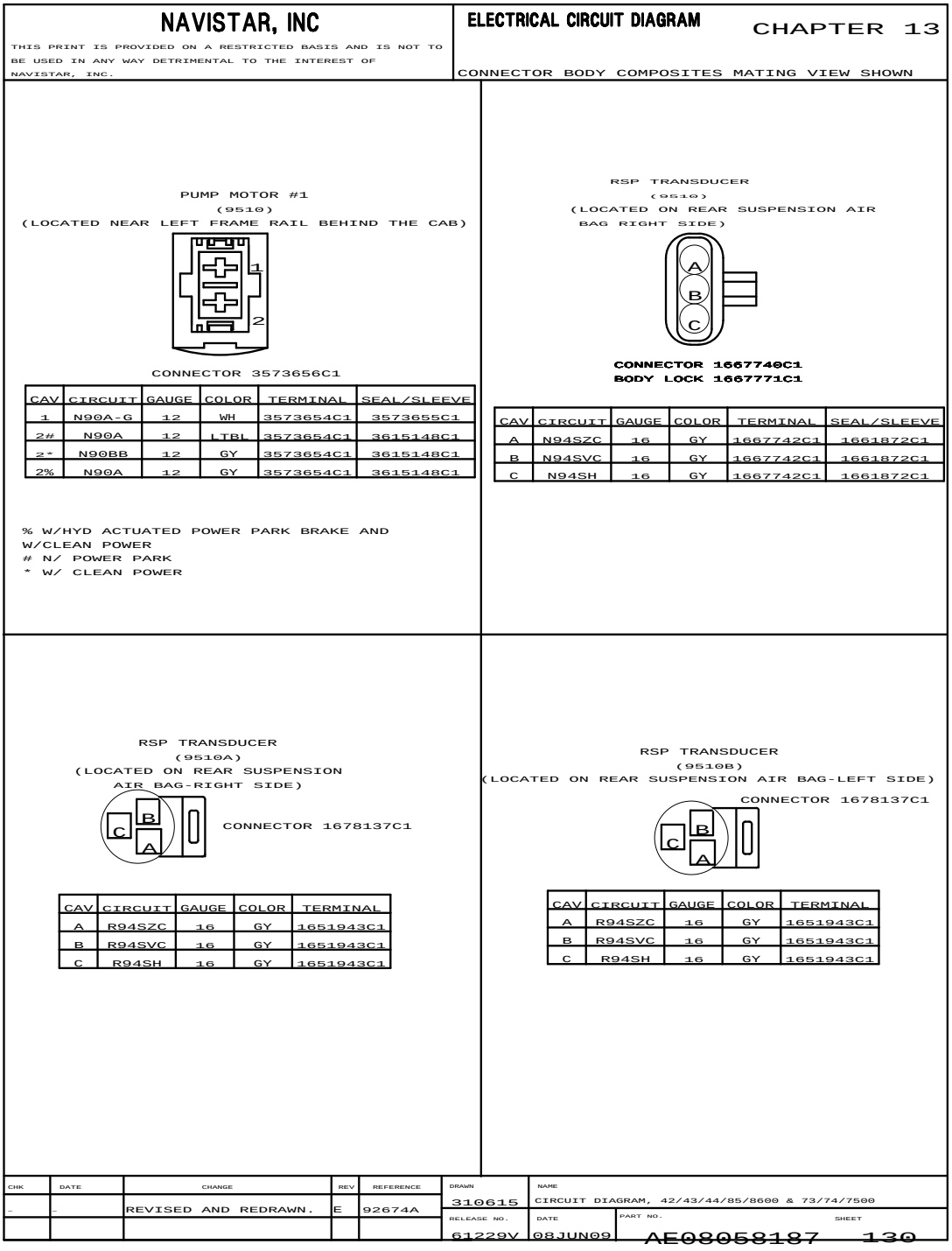
13.259. CONNECTOR COMPOSITES (9510), (9510A), (9510B), P. 130



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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

PUMP MOTOR #1
(9510)
(LOCATED NEAR LEFT FRAME RAIL BEHIND THE CAB)

CONNECTOR 3573656C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N90A-G	12	WH	3573654C1	3573655C1
2#	N90A	12	LTBL	3573654C1	3615148C1
2*	N90BB	12	GY	3573654C1	3615148C1
2%	N90A	12	GY	3573654C1	3615148C1

% W/HYD ACTUATED POWER PARK BRAKE AND W/CLEAN POWER
# N/ POWER PARK
* W/ CLEAN POWER

RSP TRANSDUCER
(9510)
(LOCATED ON REAR SUSPENSION AIR BAG RIGHT SIDE)

CONNECTOR 1667740C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N94SZC	16	GY	1667742C1	1661872C1
B	N94SVC	16	GY	1667742C1	1661872C1
C	N94SH	16	GY	1667742C1	1661872C1

RSP TRANSDUCER
(9510A)
(LOCATED ON REAR SUSPENSION AIR BAG-RIGHT SIDE)

CONNECTOR 1678137C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	R94SZC	16	GY	1651943C1
B	R94SVC	16	GY	1651943C1
C	R94SH	16	GY	1651943C1

RSP TRANSDUCER
(9510B)
(LOCATED ON REAR SUSPENSION AIR BAG-LEFT SIDE)

CONNECTOR 1678137C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	R94SZC	16	GY	1651943C1
B	R94SVC	16	GY	1651943C1
C	R94SH	16	GY	1651943C1

CHK	DATE	CHANGE	REV	REFERENCE
_	_	REVISED AND REDRAWN.	E	92674A

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
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Figure 776 Connector Composites (9510), (9510A), (9510B)

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13.260. CONNECTOR COMPOSITES (9510F), (9510H), (9510M), P. 131

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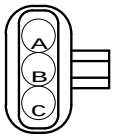
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

RSP TRANSDUCER
(9510F)
(LOCATED ON LEFT FRAME RAIL BEHING CAB)

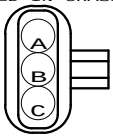


W/ TRANSTAR

CONNECTOR 1667740C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N94SZC	16	GY	1667742C1	1661872C1
B	N94SVC	16	GY	1667742C1	1661872C1
C	N94SH	16	GY	1667742C1	1661872C1

MD ABS ADV
3RD TRANSDUCER
(9510H)
(LOCATED IN CHASSIS)



CONNECTOR 1667740C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV
A	N94SZC	18	GY	1667742C1	1661872C1
B	N94SVC	18	GY	1667742C1	1661872C1
C	N94SH	18	GY	1667742C1	1661872C1

RSP TRANSDUCER
(9510M)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R94SZC	16	GY	1661875C1	1661872C1
B	R94SVC	16	GY	1661875C1	1661872C1
C	R94SH	16	GY	1661875C1	1661872C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	REVISED AND REDRAWN.	D	92674A	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 62476L	DATE 20NOV09

PART NO. AE08058187 SHEET 131

Figure 777 Connector Composites (9510F), (9510H), (9510M)

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13.261. CONNECTOR COMPOSITES (9511), P. 132

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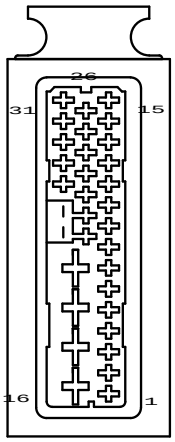
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

FULL POWER CONNECTOR
(9511)
(LOCATED NEAR LEFT FRAME RAIL BEHIND THE CAB)



CONNECTOR 3573648C2
BODY LOCK 3573650C1
BODY LOCK 3573651C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1*	N90C	18	GY	3573652C1	3573653C1
1*	N90E	18	GY	3573652C1	3573653C1
2	PLUG	-	-	3577744C1	-
3	N90F	18	GY	3573652C1	3573653C1
4	N44B	18	GY	3573652C1	3573653C1
5	N44C	18	GY	3573652C1	3573653C1
6	N90K	18	GY	3573652C1	3573653C1
7	N44D	18	GY	3573652C1	3573653C1
8	PLUG	-	-	3577744C1	-
9	N90H	18	GY	3573652C1	3573653C1
10	N90BA	18	GY	3573652C1	3573653C1
11	N44A	18	GY	3573652C1	3573653C1
12	PLUG	-	-	3577744C1	-
13	PLUG	-	-	3577744C1	-
14	N5C(+)	18	YL	3573652C1	3573653C1
15	N5C(-)	18	GN	3573652C1	3573653C1
16	N90	12	GY	3573654C1	3615148C1
17	N94L	12	GY	3573654C1	3573655C1
18	N90-G	12	WH	3573654C1	3573655C1
19	N94-GB	12	WH	3573654C1	3573655C1
20	PLUG	-	-	3573652C1	-
21	PLUG	-	-	3577744C1	-
22	N94N(+)	18	GY	3573652C1	3573653C1
23	N94M(-)	18	GY	3573652C1	3573653C1
24	N94L(-)	18	GY	3573652C1	3573653C1
25	N94R(-)	18	GY	3573652C1	3573653C1
26	N3C(-)	18	GY	3573652C1	3573653C1
27	N94N(-)	18	GY	3573652C1	3573653C1
28	N94M(+)	18	GY	3573652C1	3573653C1
29	N94L(+)	18	GY	3573652C1	3573653C1
30	N94R(+)	18	GY	3573652C1	3573653C1
31	N3C(+)	18	DKBL	3573652C1	3573653C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
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					RELEASE NO. 62476L	DATE 20NOV09 / PART NO. AE08058187 / SHEET 132

Figure 778 Connector Composites (9511)

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13.262. CONNECTOR COMPOSITES (9511K), P. 133

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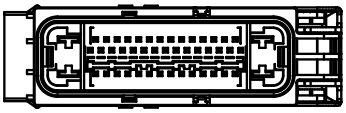
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

HYD ABS MODULE CONN
@(9511K)
(LOCATED IN CHASSIS)



CONNECTOR 3758273C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
1	N90A	10	GY	3592378C1	3592377C1
2	PLUG	-	-	-	-
3	PLUG	-	-	-	-
4	PLUG	-	-	-	-
5	PLUG	-	-	-	-
6	PLUG	-	-	-	-
7	PLUG	-	-	-	-
8	N90E	18	GY	3590850C1	N/A
9	PLUG	-	-	-	-
10	PLUG	-	-	-	-
11	PLUG	-	-	-	-
12	N5C(+)	18	YL	3590850C1	N/A
13	N5C(-)	18	GN	3590850C1	N/A
14	PLUG	-	-	-	-
15	PLUG	-	-	-	-
16	PLUG	-	-	-	-
17	PLUG	-	-	-	-
18	PLUG	-	-	-	-
19	PLUG	-	-	-	-
20	PLUG	-	-	-	-
21	PLUG	-	-	-	-
22	PLUG	-	-	-	-
23	PLUG	-	-	-	-
24	PLUG	-	-	-	-
25	PLUG	-	-	-	-
26	PLUG	-	-	-	-
27	PLUG	-	-	-	-
28	PLUG	-	-	-	-
29	PLUG	-	-	-	-
30	PLUG	-	-	-	-
31	PLUG	-	-	-	-
32	N94L	10	GY	3592378C1	3592377C1
33	N94R(-)	18	TN	3590850C1	N/A
34	N94R(+)	18	TN	3590850C1	N/A
35	PLUG	-	-	-	-
36	N94M(+)	18	TN	3590850C1	N/A
37	N94M(-)	18	TN	3590850C1	N/A
38	PLUG	-	-	-	-
39	PLUG	-	-	-	-
40	PLUG	-	-	-	-
41	PLUG	-	-	-	-
42	N94N(-)	18	TN	3590850C1	N/A
43	N94N(+)	18	TN	3590850C1	N/A
44	PLUG	-	-	-	-
45	N94L(+)	18	TN	3590850C1	N/A
46	N94L(-)	18	TN	3590850C1	N/A
47	N90-G	10	WH	3592378C1	3592376C1

@ W/ NEXT GEN HYDRAULIC BRAKES

CHK	DATE	CHANGE	REV.	REFERENCE
0488	20NOV14	REVISED AND REDRAWN.	D	92674A

DRAWN 310615 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 92055Y | DATE 30MAY13 | PART NO. AE08058187 | SHEET 133

Figure 779 Connector Composites (9511K)

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13.263. CONNECTOR COMPOSITES (9512), (9512A), (9512C), (9513), (9513A), (9513B), P. 134

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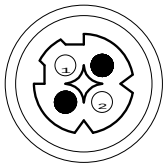
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

BENDIX TTC / SS ABS ADV ATR VALVE
(9512 / 9512C)
(LOCATED IN CHASSIS)

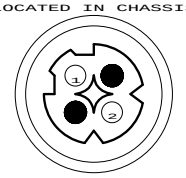


CONNECTOR 3678796C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1*	N94SJ	16	GY	3679224C1	3601687C1
1#	N94SJ	18	GY	3601686C1	3601687C1
2*	N94SK	16	GY	3679224C1	3601687C1
2#	N94SK	18	GY	3601686C1	3601687C1

* BENDIX ADV AIR ABS W/RH W/ATC (4*2,4*4)
\# BENDIX ADV ABS W/STANDARD (6*4)

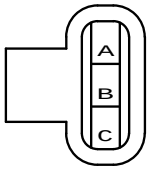
MD LSM AIR VALVE
(9512A)
LOCATED IN CHASSIS



CONNECTOR 3678796C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N94SJ	18	GY	3601686C1	3601687C1
2	N94SK	18	GY	3601686C1	3601687C1

TRAILER MODULATOR
(9513)
(LOCATED IN CHASSIS)

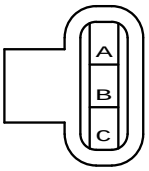


W/ TRANSTAR

CONNECTOR 1686834C1
BODY LOCK 1664408C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N94SM	16	GY	2033819C1	1652325C1
B	N94SN	16	GY	2033819C1	1652325C1
C	N94SL	16	GY	2033819C1	1652325C1

MD RSM 5TH MABULATOR
(9513A/9513B)
(LOCATED IN CHASSIS)



W/ WORKSTAR

CONNECTOR 1686834C1
BODY LOCK 1664408C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N94SM	18	GY	2033819C1	1652325C1
B	N94SN	18	GY	2033819C1	1652325C1
C	N94SL	18	GY	2033819C1	1652325C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
_	_	REVISED AND REDRAWN.	E	92674A	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92055Y	DATE 30MAY13

PART NO. AE08058187 SHEET 134

Figure 780 Connector Composites (9512), (9512A), (9512C), (9513), (9513A), (9513B)

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13.264. CONNECTOR COMPOSITES (9514), (9514D), (9514F), (9516), (9516M), P. 135

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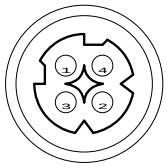
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

8600 YAW SENSOR /
73-74-7500 YAW SENSOR /
RSM 7600 YAW SENSOR
(9514 / 9514D / 9514F)
(LOCATED NEAR LEFT FRAME RAIL BACK OF CAB)

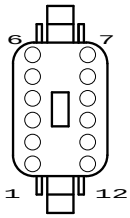


CONNECTOR 3601685C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N94SAB	18	GY	3601686C1	3601687C1
2	N94SCB	18	GY	3601686C1	3601687C1
2*	N94SBB	18	GY	3601686C1	3601687C1
3	N94SBB	18	GY	3601686C1	3601687C1
3*	N94SCB	18	GY	3601686C1	3601687C1
4	N94SDB	18	GY	3601686C1	3601687C1

* W/ BENDIX ADV AIR ABS W/RH,W/ATC AND LOW MID CAB

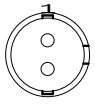
BENDIX 6-CHANNEL ABS INLINE CONNECTOR
(9516)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)



CONNECTOR 3602757C1
BODY LOCK 3601925C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N94P	16	GY	1680205C1
2	N94O	16	GY	1680205C1
3	N94RA	16	GY	1680205C1
4	N94S	16	GY	1680205C1
5	N94TAA	16	GY	1680205C1
6	N94U	16	GY	1680205C1
7	N94V	16	GY	1680205C1

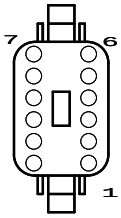
WABCO LEFT AIR WHEEL SPEED SENSOR
(9516)
(LOCATED ON LEFT FRAME RAIL BY REAR AXLE)



CONNECTOR 3519878C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R94WL	18	BK	ASSY
2	R94WM	18	BN	ASSY

BENDIX 6-CHANNEL ABS INLINE CONN
(9516M)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)



CONNECTOR 3519462C1
BODY LOCK 1689501C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R94P	16	GY	1680206C1
2	R94O	16	GY	1680206C1
3	R94R	16	GY	1680206C1
4	R94S	16	GY	1680206C1
5	R94T	16	GY	1680206C1
6	R94U	16	GY	1680206C1
7	R94V	16	GY	1680206C1
8	PLUG	-	-	0453133C1
9	PLUG	-	-	0453133C1
10	PLUG	-	-	0453133C1
11	PLUG	-	-	0453133C1
12	PLUG	-	-	0453133C1

CHK	DATE	CHANGE	REV	REFERENCE
-	-	REVISED AND REDRAWN.	D	92674A

DRAWN 360070 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 76737G | DATE 16JUN11 | PART NO. AE08058187 | SHEET 135

Figure 781 Connector Composites (9514), (9514D), (9514F), (9516), (9516M)

https://truckmanualshub.com/

13.265. CONNECTOR COMPOSITES (9517), (9518), (9519), (9520), (9521), P. 136

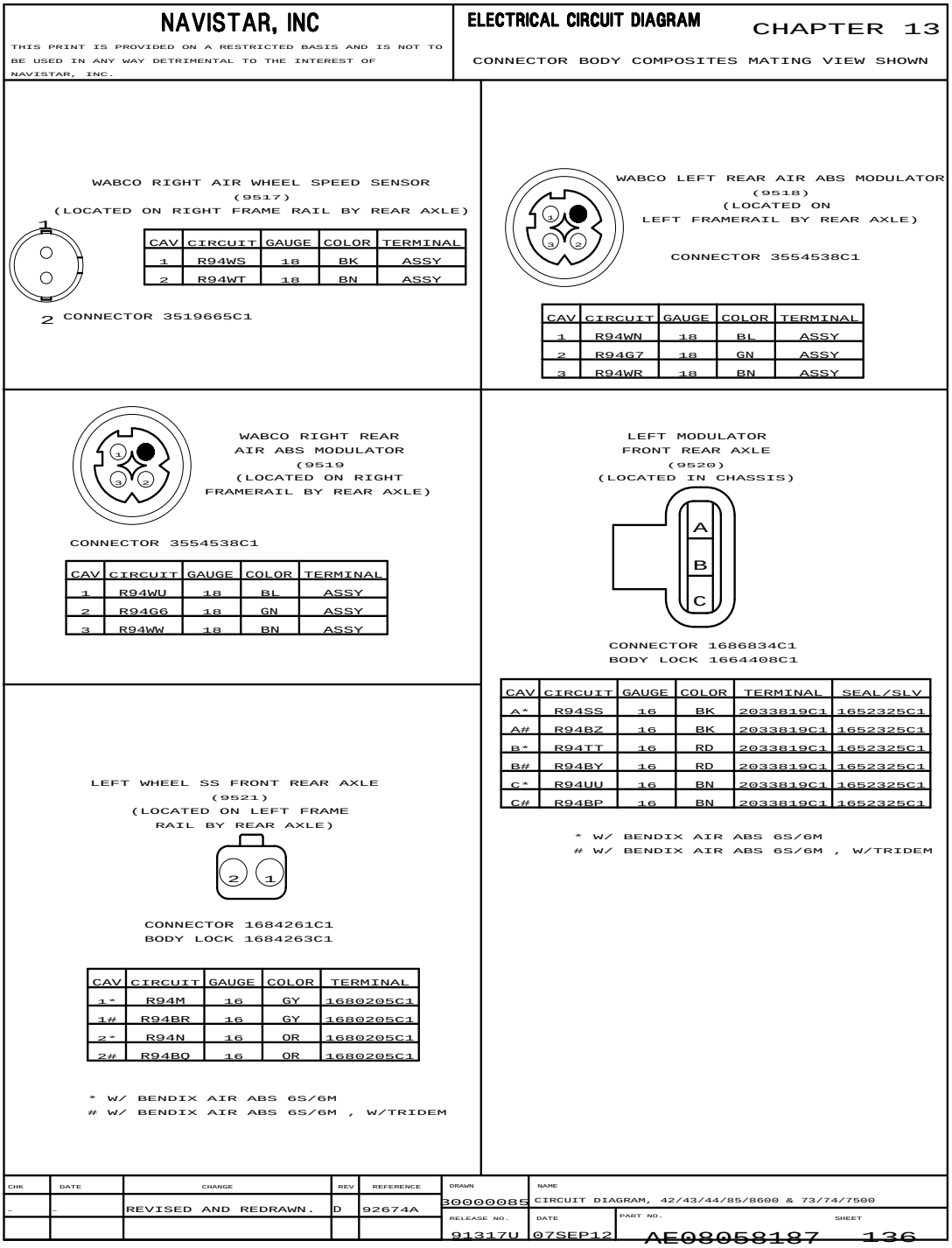


Figure 782 Connector Composites (9517), (9518), (9519), (9520), (9521)

https://truckmanualshub.com/

13.266. CONNECTOR COMPOSITES (9522), (9523), (9524), P. 137

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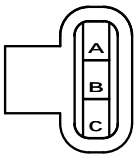
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

RIGHT MODULATOR FRONT REAR AXLE
(9522)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)



CONNECTOR 1686834C1
BODY LOCK 1664408C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV
A*	R94VV	16	PL	2033819C1	1652325C1
A#	R94BS	16	PL	2033819C1	1652325C1
B*	R94W	16	LT GN	2033819C1	1652325C1
B#	R94BT	16	LT GN	2033819C1	1652325C1
C*	R94X	16	LT BL	2033819C1	1652325C1
C#	R94BU	16	LT BL	2033819C1	1652325C1

* W/ BENDIX AIR ABS 6S/6M
\# W/ BENDIX AIR ABS 6S/6M , W/TRIDEM

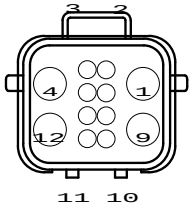
RIGHT WHEEL SS FRONT
REAR AXLE
(9523)
(LOCATED ON RIGHT FRAME
RAIL BY REAR AXLE)

CONNECTOR 1684261C1
BODY LOCK 1684263C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	R94PP	16	DK BL	1680205C1
1#	R94BW	16	DK BL	1680205C1
2*	R94RR	16	YL	1680205C1
2#	R94BV	16	YL	1680205C1

* W/ BENDIX AIR ABS 6S/6M
\# W/ BENDIX AIR ABS 6S/6M , W/TRIDEM

ABS 6S / 6M
(9524)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)



CONNECTOR 3576268C1
BODY LOCK 3576263C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	R94A	16	GY	3574288C1
1*	R94G	16	GY	3574288C1
2*	R94E	16	GY	3574285C1
2*	R94F	16	BK	3574285C1
3*	R94L	16	GY	3574285C1
3*	R94C	16	PL	3574285C1
4*	R94F	16	GY	3574288C1
4*	R94J	16	DKBL	3574288C1
5*	R94D	16	GY	3574285C1
5*	R94E	16	RD	3574285C1
6*	R94K	16	GY	3574285C1
6*	R94A	16	LTGN	3574285C1
7*	R94C	16	GY	3574285C1
7*	R94D	16	BN	3574285C1
8*	R94H	16	GY	3574285C1
8*	R94B	16	LTBL	3574285C1
9*	R94B	16	GY	3574288C1
9*	R94H	16	OR	3574288C1
10	PLUG	_	_	3527276C1
11	PLUG	_	_	3527276C1
12*	R94G	16	GY	3574288C1
12*	R94K	16	YL	3574288C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
_	_	REVISED AND REDRAWN.	D	92674A

DRAWN: MJV0088
NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO.: 91317U
DATE: 07SEP12
PART NO.: AE08058187
SHEET: 137

Figure 783 Connector Composites (9522), (9523), (9524)

https://truckmanualshub.com/

13.267. CONNECTOR COMPOSITES (9524), (9530), P. 138

NAVISTAR, INC

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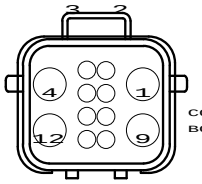
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

ABS 6S/6M CONNECTION
(9524)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)

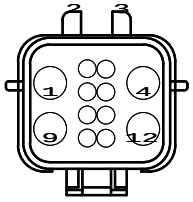


W/ TRANSTAR

CONNECTOR 3576268C1
BODY LOCK 3576263C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N94SAB	18	GY	3574289C1
2	N94SCB	18	GY	2003343C1
3	N94SBB	18	GY	2003343C1
4	N94SDB	18	GY	3574289C1
5	N94SJ	16	GY	3574285C1
6	N94SK	16	GY	3574285C1
7	N94SM	16	GY	3574285C1
8	N94SN	16	GY	3574285C1
9	N94SL	16	GY	3574288C1
10	N94SZC	16	GY	3574285C1
11	N94SVC	16	GY	3574285C1
12	N94SH	16	GY	3574288C1

ABS/RSP CONNECTION
(9524)
(LOCATED ON DASH PANEL LEFT SIDE UPPER)

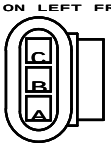


W/WORKSTAR

CONNECTOR 3549412C1
BODY LOCK 3564169C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	M94SAB	16	GY	3549416C1
2	M94SCB	16	GY	3549417C1
3	M94SBB	16	GY	3549417C1
4	M94SDB	16	GY	3549416C1
5	M94SJ	16	GY	3549417C1
6	M94SK	16	GY	3549417C1
7	M94SM	16	GY	3549417C1
8	M94SN	16	GY	3549417C1
9	M94SL	16	GY	3549416C1
10	M94SZC	16	GY	3549417C1
11	M94SVC	16	GY	3549417C1
12	M94SH	16	GY	3549416C1

J1939 TERMINATING RESISTOR
(9530)
(LOCATED ON LEFT FRAME RAIL UNDER CAB)



CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N5B(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	2025431C1	-
C	N5B(-)	18	GN	1661875C1	3568570C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	REVISED AND REDRAWN.	E	92674A	MJV0088	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 91317U	DATE 07SEP12
						PART NO. AE08058187 SHEET 138

Figure 784 Connector Composites (9524), (9530)

https://truckmanualshub.com/

13.268. CONNECTOR COMPOSITES (9531F), (9531M), (9532F), P. 139

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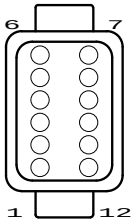
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

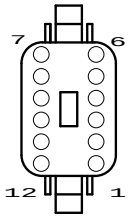
BENDIX 6S/6M
ABS CONN
(9531F)
(LOCATED ON LEFT FRAME RAIL UNDER CAB)



CONNECTOR 1689499C1
BODY LOCK 1689501C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	M94BP	16	GY	1680206C1
2	M94BY	16	GY	1680206C1
3	M94BZ	16	GY	1680206C1
4	M94BT	16	GY	1680206C1
5	M94BU	16	GY	1680206C1
6	M94BS	16	GY	1680206C1
7	M94BR	16	GY	1680206C1
8	M94BQ	16	GY	1680206C1
9	M94BW	16	GY	1680206C1
10	M94BV	16	GY	1680206C1
11	PLUG	-	-	0453133C1
12	PLUG	-	-	0453133C1

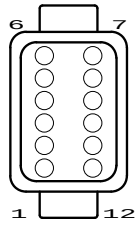
BENDIX 6S/6M
ABS CONN
(9531M)
(LOCATED ON LEFT FRAME RAIL UNDER CAB)



CONNECTOR 3601924C1
BODY LOCK 3601925C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N94BP	16	GY	1680205C1
2	N94BY	16	GY	1680205C1
3	N94BZ	16	GY	1680205C1
4	N94BT	16	GY	1680205C1
5	N94BU	16	GY	1680205C1
6	N94BS	16	GY	1680205C1
7	N94BR	16	GY	1680205C1
8	N94BQ	16	GY	1680205C1
9	N94BW	16	GY	1680205C1
10	N94BV	16	GY	1680205C1
11	PLUG	-	-	0453133C1
12	PLUG	-	-	0453133C1

BENDIX 6 - CHANNEL
ABS CONN
(9532F)
(LOCATED ON LEFT FRAME RAIL UNDER CAB)



CONNECTOR 1689499C1
BODY LOCK 1689501C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N94BP	16	GY	1680206C1
2	N94BY	16	GY	1680206C1
3	N94BZ	16	GY	1680206C1
4	N94BT	16	GY	1680206C1
5	N94BU	16	GY	1680206C1
6	N94BS	16	GY	1680206C1
7	N94BR	16	GY	1680206C1
8	N94BQ	16	GY	1680206C1
9	N94BW	16	GY	1680206C1
10	N94BV	16	GY	1680206C1
11	PLUG	-	-	0453133C1
12	PLUG	-	-	0453133C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
-	-	REVISED AND REDRAWN.	D	92674A	U021681	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 91317U	DATE 09OCT12

PART NO. AE08058187 SHEET 139

Figure 785 Connector Composites (9531F), (9531M), (9532F)

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13.269. CONNECTOR COMPOSITES (9532M), (9533F), P. 140

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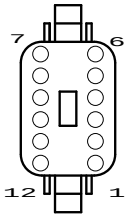
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

BENDIX 6S/6M
ABS CONN
(9532M)
(LOCATED ON LEFT FRAME RAIL UNDER CAB)

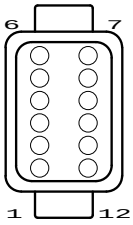


CONNECTOR 3601924C1
BODY LOCK 3601925C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1*	R94H	16	GY	1680205C1
1#	R94C	16	GY	1680205C1
2*	R94F	16	GY	1680205C1
2#	R94D	16	GY	1680205C1
3	R94E	16	GY	1680205C1
4	R94K	16	GY	1680205C1
5*	R94L	16	GY	1680205C1
5#	R94H	16	GY	1680205C1
6*	R94J	16	GY	1680205C1
6#	R94L	16	GY	1680205C1
7	R94A	16	GY	1680205C1
8	R94B	16	GY	1680205C1
9*	R94C	16	GY	1680205C1
9#	R94F	16	GY	1680205C1
10*	R94D	16	GY	1680205C1
10#	R94G	16	GY	1680205C1
11	PLUG	_	_	0453133C1
12	PLUG	_	_	0453133C1

* BENDIX AIR ABS 6S/6M TRIDEM
\# BENDIX AIR ABS 6S/6M (6X4)

WABCO 6 - CHANNEL
ABS CONN
(9533F)
(LOCATED ON LEFT FRAME RAIL UNDER CAB)



CONNECTOR 1689499C1
BODY LOCK 1689501C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N94B	16	GY	1680206C1
2	N94A	16	GY	1680206C1
3	N94-GA6	16	WH	1680206C1
4	N94C	16	GY	1680206C1
5	N94D	16	GY	1680206C1
6	N94-GA7	16	GY	1680206C1
7	N94E	16	GY	1680206C1
8	N94F	16	GY	1680206C1
9	N94G	16	GY	1680206C1
10	N94H	16	GY	1680206C1
11	PLUG	_	_	0453133C1
12	PLUG	_	_	0453133C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
_	_	REVISED AND REDRAWN.	D	92674A	30000085	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 91317U	DATE 09OCT12 PART NO. AE08058187 SHEET 140

Figure 786 Connector Composites (9532M), (9533F)

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13.270. CONNECTOR COMPOSITES (9559), (9560), (9561), (9562), P. 141

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ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

BENDIX L RR REAR WHL SPEED SNSR (HTB)
(9559)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)

CONNECTOR 1684261C1
BODY LOCK 1684263C1

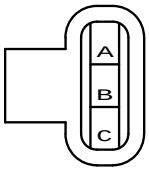
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R94A	16	GY	1680205C1
2	R94B	16	GY	1680205C1

BENDIX R RR REAR WHL SPEED SNSR (HTB)
(9560)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)

CONNECTOR 1684261C1
BODY LOCK 1684263C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R94F	16	GY	1680205C1
2	R94G	16	GY	1680205C1

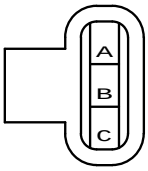
BENDIX R RR REAR MODULATOR (HTB)
(9561)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)



CONNECTOR 1686834C1
BODY LOCK 1664408C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV
A	R94L	16	GY	2033819C1	1652325C1
B	R94K	16	GY	2033819C1	1652325C1
C	R94H	16	GY	2033819C1	1652325C1

BENDIX R FR REAR MODULATOR (HTB)
(9562)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)



CONNECTOR 1686834C1
BODY LOCK 1664408C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R94T	16	PL	2033819C1	1652325C1
B	R94U	16	LTGN	2033819C1	1652325C1
C	R94V	16	LTBL	2033819C1	1652325C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	REVISED AND REDRAWN.	C	92603H

DRAWN: 30000085 — NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO.: 91749M — DATE: 03DEC12 — PART NO.: AE08058187 — SHEET: 141

Figure 787 Connector Composites (9559), (9560), (9561), (9562)

https://truckmanualshub.com/

13.271. CONNECTOR COMPOSITES (9540), (9540A), (9540B), (9541), P. 142

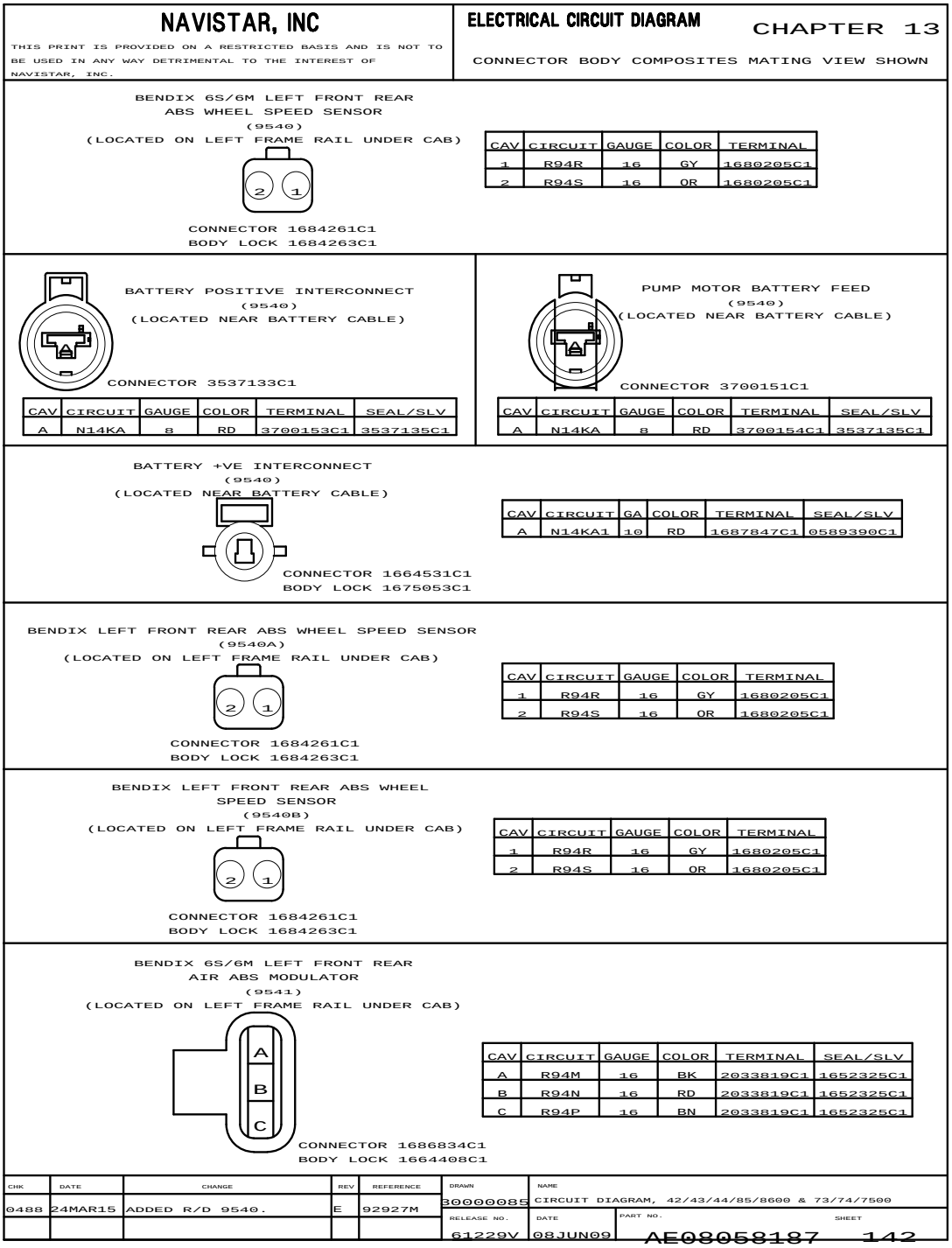


Figure 788 Connector Composites (9540), (9540A), (9540B), (9541)

https://truckmanualshub.com/

13.272. CONNECTOR COMPOSITES (9541A), (9541B), (9542), (9542A), (9542C), P. 143

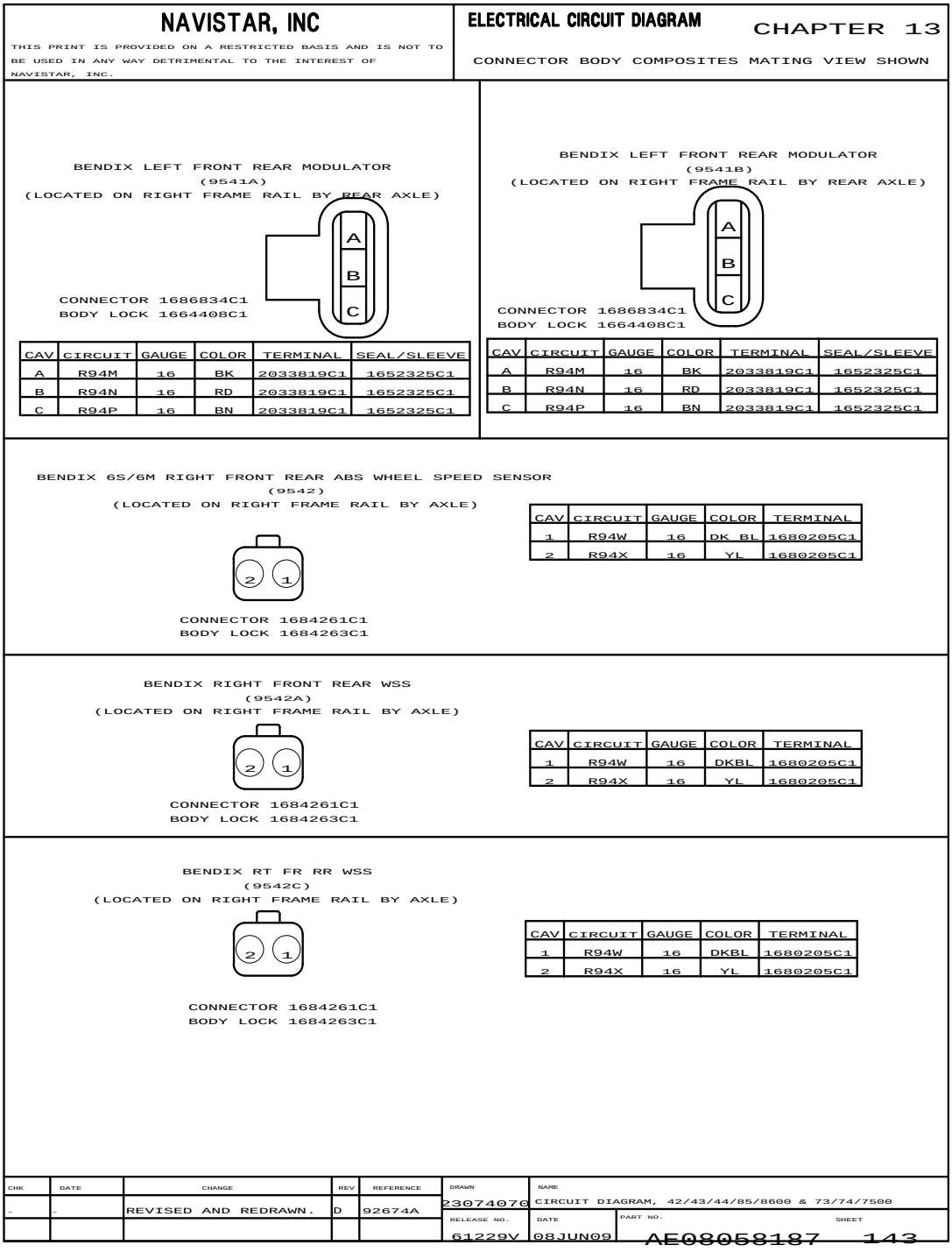


Figure 789 Connector Composites (9541A), (9541B), (9542), (9542A), (9542C)

https://truckmanualshub.com/

13.273. CONNECTOR COMPOSITES (9543), (9543A), (9543C), (9544), (9546), (9547), P. 144

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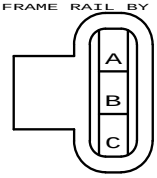
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

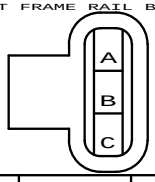
6S/6M RIGHT FR REAR AIR ABS MODULATOR (9543) (LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)



CONNECTOR 1686834C1
BODY LOCK 1664408C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV
A	R94T	16	PL	2033819C1	1652325C1
B	R94U	16	LT GN	2033819C1	1652325C1
C	R94V	16	LT BL	2033819C1	1652325C1

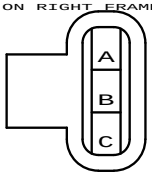
BENDIX RIGHT FRONT REAR WSS (9543A) (LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)



CONNECTOR 1686834C1
BODY LOCK 1664408C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R94T	16	PL	2033819C1	1652325C1
B	R94U	16	LTGN	2033819C1	1652325C1
C	R94V	16	LTBL	2033819C1	1652325C1

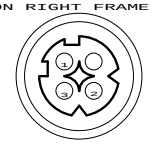
BENDIX RT FR RR MOD (9543C) (LOCATED ON RIGHT FRAME RAIL BY AXLE)



CONNECTOR 1686834C1
BODY LOCK 1664408C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R94T	16	PL	2033819C1	1652325C1
B	R94U	16	LTGN	2033819C1	1652325C1
C	R94V	16	LTBL	2033819C1	1652325C1

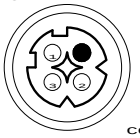
WABCO 6S/6M LEFT FRONT REAR AIR ABS MODULATOR (9544) (LOCATED ON RIGHT FRAME RAIL BY AXLE)



CONNECTOR 3554538C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R94B	18	BL	ASSY
2	R94G6	18	GN	ASSY
3	R94A	18	BN	ASSY

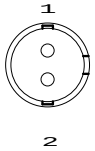
WABCO 6S/6M RIGHT FR REAR AIR ABS MODULATOR (9546) (LOCATED ON RIGHT FRAME RAIL BY AXLE)



CONNECTOR 3710133C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R94C	18	BL	ASSY
2	R94G7	18	GN	ASSY
3	R94D	18	BN	ASSY

WABCO 6S/6M RIGHT FRONT REAR ABS WHEEL SPEED SENSOR (9547) (LOCATED ON RIGHT FRAME RAIL BY AXLE)



CONNECTOR 3519665C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R94N	18	BK	ASSY
2	R94H	18	BN	ASSY

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
		REVISED AND REDRAWN.	D	92674A	23074070	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 08JUN09 / PART NO. AE08058187 / SHEET 144

Figure 790 Connector Composites (9543), (9543A), (9543C), (9544), (9546), (9547)

https://truckmanualshub.com/

13.274. CONNECTOR COMPOSITES (9548), (9548A), (9549), (9549A), (9549B), P. 145

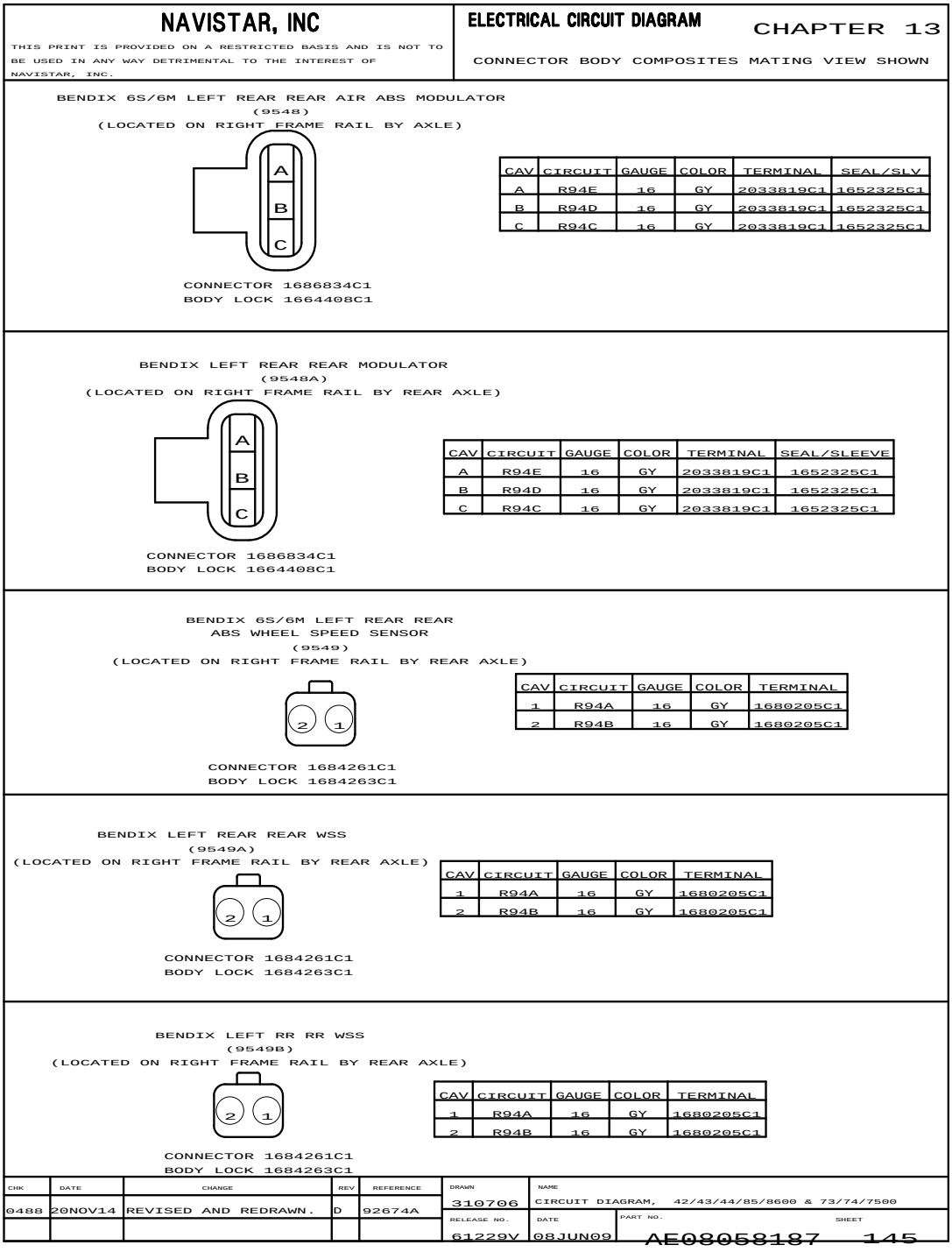


Figure 791 Connector Composites (9548), (9548A), (9549), (9549A), (9549B)

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13.275. CONNECTOR COMPOSITES (9550), (9550A), P. 146

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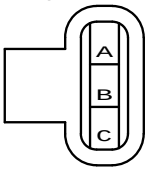
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

BENDIX 6S/6M RIGHT REAR
AIR ABS MODULATOR
(9550)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)



CONNECTOR 1686834C1
BODY LOCK 1664408C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV
A	R94L	16	GY	2033819C1	1652325C1
B	R94K	16	GY	2033819C1	1652325C1
C	R94H	16	GY	2033819C1	1652325C1

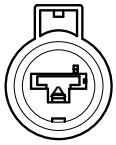
HYD PUMP 1 BATTERY FEED
(9550)
(LOCATED AT LEFT SIDE OF
VEHICLE AT FLASHER PLATE)

CONNECTOR 1664531C1
BODY LOCK 1675053C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N90B	10	RD	1687847C1	0589390C1

W/ DURASTAR

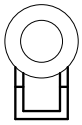
HYDRALIC PUMP MOTOR BATTERY FEED
(9550)
(LOCATED AT LEFT SIDE OF
VEHICLE AT FLASHER PLATE)



CONNECTOR 3700151C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N14KA	8	RD	3700154C1	3537135C1

HYD PUMP MOTOR BATTERY FEED
(9550)
(LOCATED NEAR BATTERY CABLE)



CONNECTOR 1669834C1
BODY LOCK 1675053C1

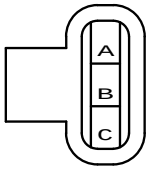
CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A	N14KA	12	RD	2033912C1	0589391C1

HYD PUMP 1 BATTERY FEED
(9550)
(LOCATED NEAR BATTERY CABLE)

CONNECTOR 1669834C1
BODY LOCK 1675053C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A	N90B	10	RD	1687847C1	0589390C1

BENDIX RIGHT REAR REAR MODULATOR
(9550A)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)



CONNECTOR 3700151C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R94L	16	GY	2033819C1	1652325C1
B	R94K	16	GY	2033819C1	1652325C1
C	R94H	16	GY	2033819C1	1652325C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	24MAR15	ADDED R/D 9550.	E	92927M

DRAWN 310615 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V | DATE 08JUN09 | PART NO. AE08058187 | SHEET 146

Figure 792 Connector Composites (9550), (9550A)

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13.276. CONNECTOR COMPOSITES (9550A), (9550B), (9551), (9551A), (9552), P. 147

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ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

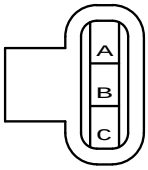
CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

HYDRALIC PUMP MOTOR BATTERY FEED
(9550A)

CONNECTOR 3537133C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A	N10	8	RD	3700153C1	3537135C1

BENDIX RT RR RR MOD
(9550B)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)



CONNECTOR 1686834C1
BODY LOCK 1664408C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R94L	16	GY	2033819C1	1652325C1
B	R94K	16	GY	2033819C1	1652325C1
C	R94H	16	GY	2033819C1	1652325C1

BENDIX 6S/6M RIGHT REAR REAR ABS WHEEL SPEED SENSOR
(9551)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)

CONNECTOR 1684261C1
BODY LOCK 1684263C1

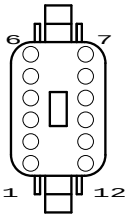
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R94F	16	GY	1680205C1
2	R94G	16	GY	1680205C1

BENDIX RIGHT REAR REAR WSS
(9551A)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)

CONNECTOR 1684261C1
BODY LOCK 1684263C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R94F	16	GY	1680205C1
2	R94G	16	GY	1680205C1

CENTER CHASSIS/IP INTERCONNECT RHD
(9552)
(LOCATED ON IN CHASSIS)



CONNECTOR 3601923C1
BODY LOCK 3601925C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N94BA	16	GY	1680205C1
2	N94BB	16	GY	1680205C1
3	N94BC	16	GY	1680205C1
4	N94BD	16	GY	1680205C1
5	N94BE	16	GY	1680205C1
6	N94BF	16	GY	1680205C1
7	N94BH	16	GY	1680205C1
8	N94BJ	16	GY	1680205C1
9	N94BK	16	GY	1680205C1
10	N94BL	16	GY	1680205C1
11	N94BM	16	GY	1680205C1
12	N94BN	16	GY	1680205C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	20NOV14	REVISED AND REDRAWN.	D	92674A

DRAWN 310615 — NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V — DATE 08JUN09 — PART NO. AE08058187 — SHEET 147

Figure 793 Connector Composites (9550A), (9550B), (9551), (9551A), (9552)

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13.277. CONNECTOR COMPOSITES (9553), (9554), (9555), (9556), (9557), P. 148

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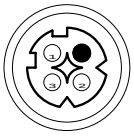
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

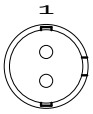
WABCO 6S/6M L RR REAR AIR ABS MODULATOR
(9553)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)



CONNECTOR 3554538C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R94L	18	BL	ASSY
2	R94G8	18	GN	ASSY
3	R94M	18	BN	ASSY

WABCO 6S/6M R RR REAR ABS WHEEL SPEED SENSOR
(9554)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)



CONNECTOR 3519878C1

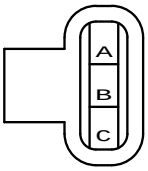
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R94T	18	BK	ASSY
2	R94U	18	BN	ASSY

WABCO 6S/6M RIGHT REAR REAR AIR ABS MODULATOR
(9555)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)

CONNECTOR 3554538C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R94P	18	BL	ASSY
2	R94G9	18	GN	ASSY
3	R94S	18	BN	ASSY

BENDIX L FR REAR MOD (HTB)
(9556)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)



CONNECTOR 1686834C1
BODY LOCK 1664408C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R94M	16	BK	2033819C1	1652325C1
B	R94N	16	RD	2033819C1	1652325C1
C	R94P	16	BN	2033819C1	1652325C1

BENDIX L FR REAR WHL SPEED SENSOR (HTB)
(9557)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)

CONNECTOR 1684261C1
BODY LOCK 1684263C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R94R	16	GY	1680205C1
2	R94S	16	OR	1680205C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	20NOV14	REVISED AND REDRAWN.	D	92674A	310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 61229V	DATE 08JUN09
						PART NO. AE08058187 SHEET 148

Figure 794 Connector Composites (9553), (9554), (9555), (9556), (9557)

https://truckmanualshub.com/

13.278. CONNECTOR COMPOSITES (9558), (9559), (9560), (9561), (9562), P. 149

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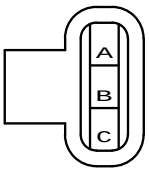
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

BENDIX L RR REAR MODULATOR (HTB)
(9558)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)



CONNECTOR 1686834C1
BODY LOCK 1664408C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV
A	R94E	16	GY	2033819C1	1652325C1
B	R94D	16	GY	2033819C1	1652325C1
C	R94C	16	GY	2033819C1	1652325C1

BENDIX L RR REAR WHL SPEED SNSR (HTB)
(9559)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)

CONNECTOR 1684261C1
BODY LOCK 1684263C1

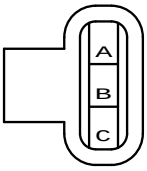
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R94A	16	GY	1680205C1
2	R94B	16	GY	1680205C1

BENDIX R RR REAR WHL SPEED SNSR (HTB)
(9560)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)

CONNECTOR 1684261C1
BODY LOCK 1684263C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	R94F	16	GY	1680205C1
2	R94G	16	GY	1680205C1

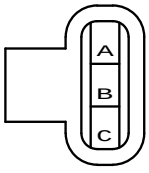
BENDIX R RR REAR MODULATOR (HTB)
(9561)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)



CONNECTOR 1686834C1
BODY LOCK 1664408C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV
A	R94L	16	GY	2033819C1	1652325C1
B	R94K	16	GY	2033819C1	1652325C1
C	R94H	16	GY	2033819C1	1652325C1

BENDIX R FR REAR MODULATOR (HTB)
(9562)
(LOCATED ON RIGHT FRAME RAIL BY REAR AXLE)



CONNECTOR 1686834C1
BODY LOCK 1664408C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R94T	16	PL	2033819C1	1652325C1
B	R94U	16	LTGN	2033819C1	1652325C1
C	R94V	16	LTBL	2033819C1	1652325C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	20NOV14	REVISED AND REDRAWN.	D	92674A

DRAWN 310615 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 61229V | DATE 08JUN09 | PART NO. AE08058187 | SHEET 149

Figure 795 Connector Composites (9558), (9559), (9560), (9561), (9562)

https://truckmanualshub.com/

13.279. CONNECTOR COMPOSITES (9563), (9565), (9570), (9570F), P. 150

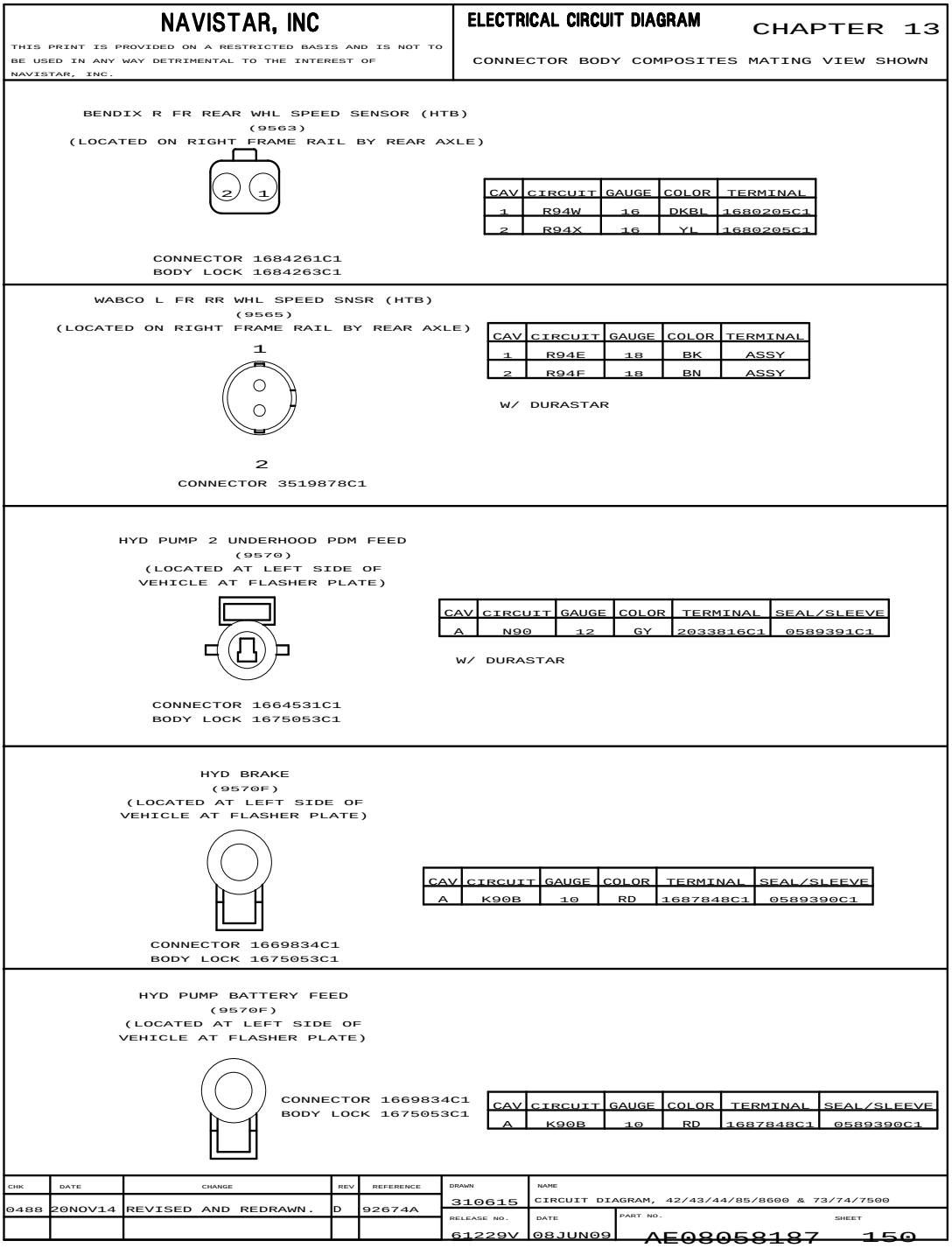


Figure 796 Connector Composites (9563), (9565), (9570), (9570F)

https://truckmanualshub.com/

13.280. CONNECTOR COMPOSITES (9751), (9752), (9753), (9753A), (9754), (9754B), (9754D), P. 151

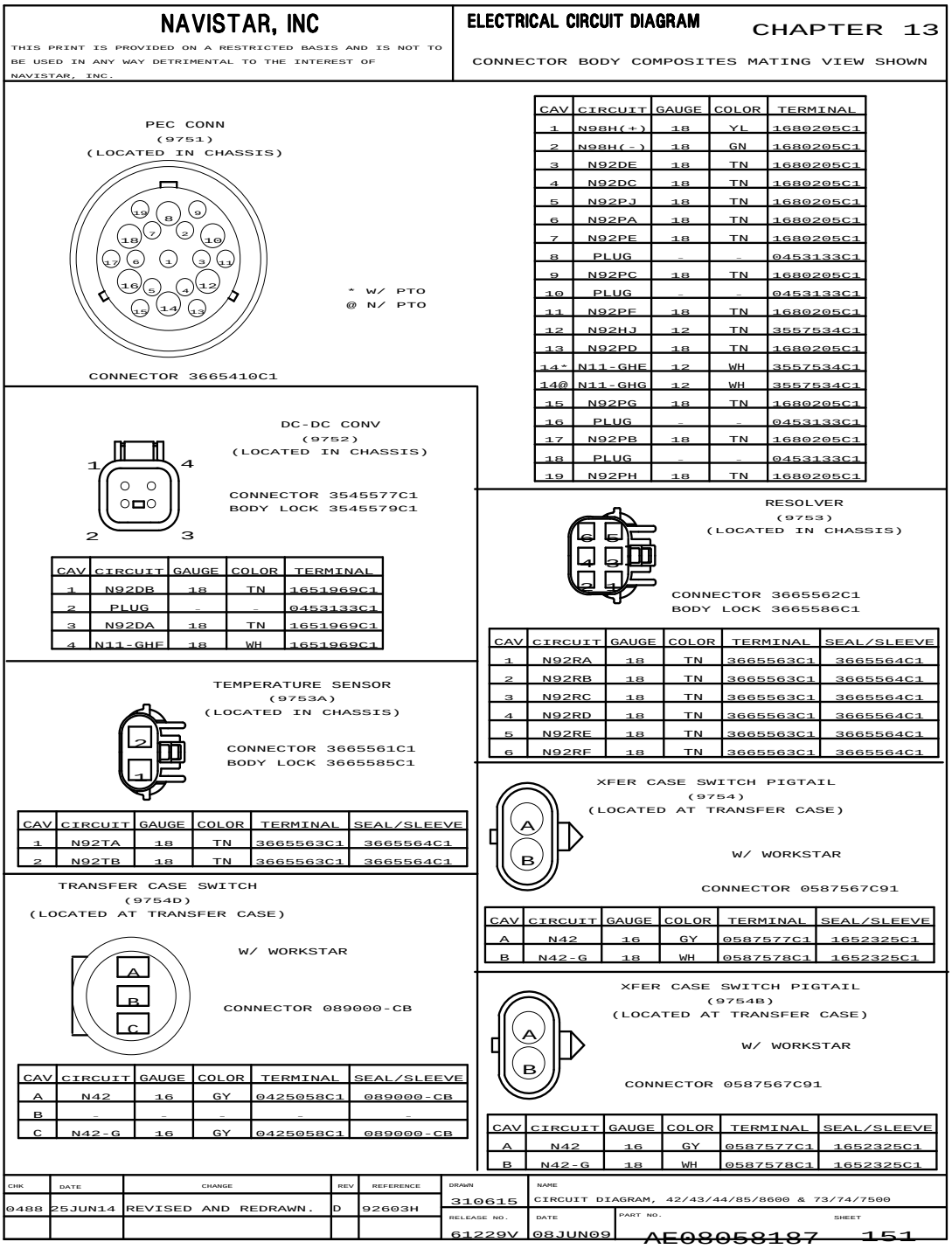
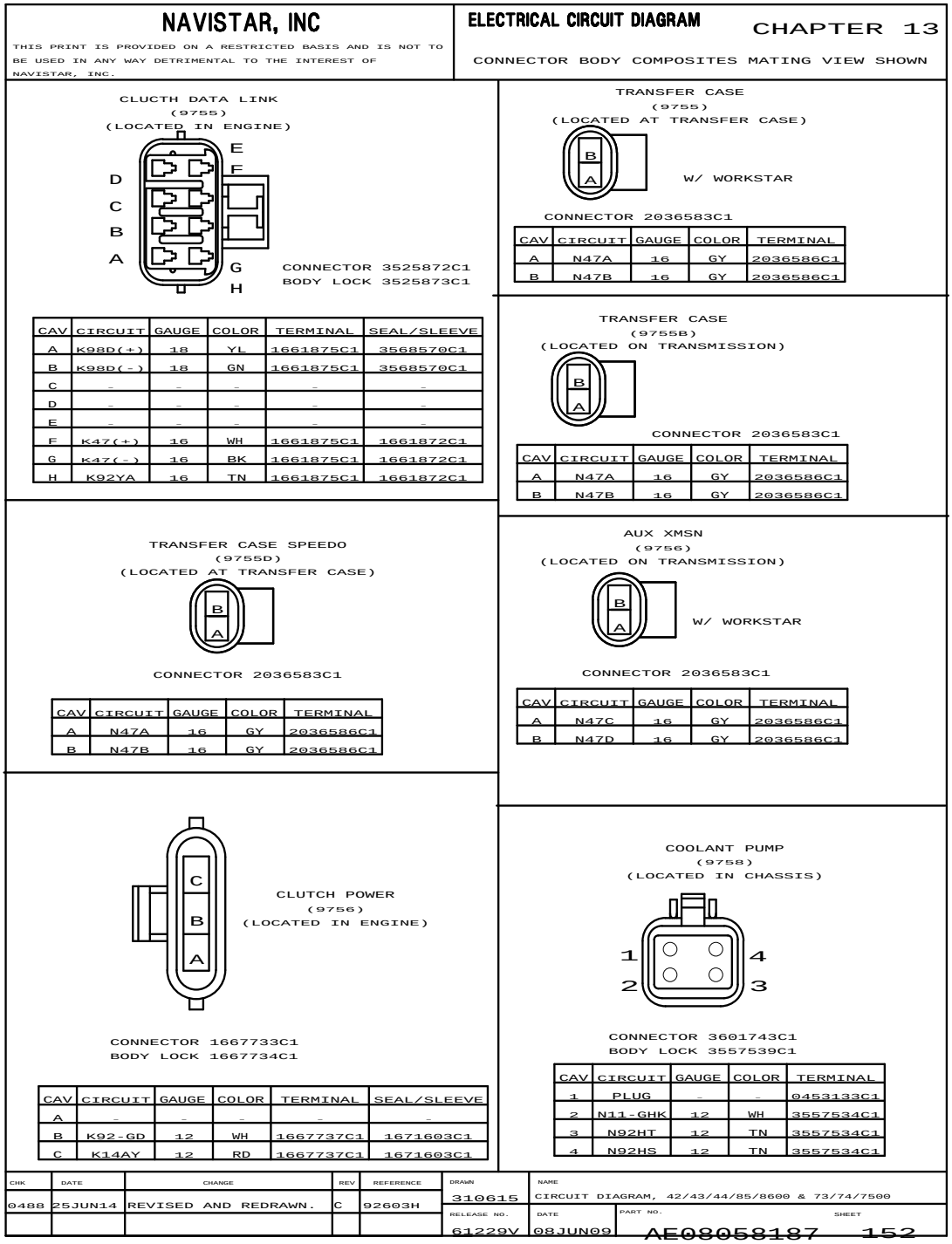


Figure 797 Connector Composites (9751), (9752), (9753), (9753A), (9754), (9754B), (9754D)

https://truckmanualshub.com/

13.281. CONNECTOR COMPOSITES (9755), (9755B), (9755D), (9756), (9758), P. 152



CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K98D(+)	18	YL	1661875C1	3568570C1
B	K98D(-)	18	GN	1661875C1	3568570C1
C	-	-	-	-	-
D	-	-	-	-	-
E	-	-	-	-	-
F	K47(+)	16	WH	1661875C1	1661872C1
G	K47(-)	16	BK	1661875C1	1661872C1
H	K92YA	16	TN	1661875C1	1661872C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	N47A	16	GY	2036586C1
B	N47B	16	GY	2036586C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	N47A	16	GY	2036586C1
B	N47B	16	GY	2036586C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	N47A	16	GY	2036586C1
B	N47B	16	GY	2036586C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	N47C	16	GY	2036586C1
B	N47D	16	GY	2036586C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	-	-	-	-	-
B	K92-GD	12	WH	1667737C1	1671603C1
C	K14AY	12	RD	1667737C1	1671603C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	0453133C1
2	N11-GHK	12	WH	3557534C1
3	N92HT	12	TN	3557534C1
4	N92HS	12	TN	3557534C1

Figure 798 Connector Composites (9755), (9755B), (9755D), (9756), (9758)

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13.282. CONNECTOR COMPOSITES (9759), (9760), P. 153

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

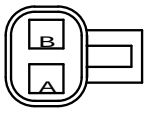
CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

BUS TERMINATOR RESISTOR
(9759)
(LOCATED IN CHASSIS)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N98A(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	2025431C1	-
C	N98A(-)	18	GN	1661875C1	3568570C1

HEAT EXCHANGER
(9760)
(LOCATED IN CHASSIS)



CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N92HH	14	TN	2033816C1	0589391C1
B	N11-GHJ	12	WH	2033816C1	0589391C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	REVISED AND REDRAWN.	C	92603H

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 61229V
DATE 08JUN09
PART NO. AE08058187
SHEET 153

Figure 799 Connector Composites (9759), (9760)

https://truckmanualshub.com/

13.283. CONNECTOR COMPOSITES (9761F), (9762), (9763) (9764), (9765), (9766), P. 154

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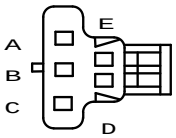
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

LIFT AXLE
(9761F)
(LOCATED AT LIFT AXLE BEHIND CAB)



W/ WORKSTAR

CONNECTOR 3522252C1
BODY LOCK 3522253C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	N59ED	18	GY	1667742C1	1661872C1
A*	N59EC	18	GY	1667742C1	1661872C1
A*	N59EF	18	GY	1667742C1	1661872C1
B*	N59ED	18	GY	1667742C1	1661872C1
B*	N59EF	18	GY	1667742C1	1661872C1
C	N59ED	18	GY	1667742C1	1661872C1
D	-	-	-	-	-
E	N71N	16	OR	1667742C1	1661872C1

* MUTUALLY EXCLUSIVE

SECOND PUSHER LIFT AXLE SOLENOID
(9763)
(LOCATED AT SECOND PUSHER AXLE BETWEEN CAB AND REAR)

W/ WORKSTAR

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV
A	N59EC	18	GY	1661875C1	1661872C1
B*	N59-GB	18	WH	1661875C1	1661872C1
B#	N59-GA	18	WH	1661875C1	1661872C1

* MUTUALLY EXCLUSIVE
# W/2 STEERABLE PUSHERS

WORK LIGHT
(9766)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)

W/ WORKSTAR

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N65	16	OR	1661875C1	1661872C1
B	N65-G	16	WH	1661875C1	1661872C1

FIRST PUSHER LIFT AXL
(9762)
(LOCATED AT PUSHER AXLE NEAR REAR AXLE)

W/ WORKSTAR

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59EF	18	GY	1661875C1	1661872C1
B*	N59-GC	18	WH	1661875C1	1661872C1
B*	N59-GA	18	WH	1661875C1	1661872C1

* MUTUALLY EXCLUSIVE

THIRD PUSHER AXLE
(9764)
(LOCATED AT SECOND PUSHER AXLE BETWEEN CAB AND REAR)

W/ WORKSTAR

CONNECTOR 1661778C1
BODY LOCK 1661874C1

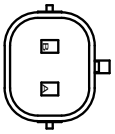
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59ED	18	GY	1661875C1	1661872C1
B	N59-GD	18	WH	1661875C1	1661872C1

FOURTH PUSHER AXLE
(9765)
(LOCATED AT FOURTH PUSHER AXLE BETWEEN CAB AND REAR)

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV
A	N59EB	18	GY	1661875C1	1661872C1
B	N59-GE	18	WH	1661875C1	1661872C1

WORK LIGHT (9766)
(LOCATED BETWEEN CENTER CHASSIS AND REAR CHASSIS)



CONNECTOR 3543888C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R65	16	OR	1661875C1	1661872C1
B	R65-G	16	WH	1661875C1	1661872C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	REVISED AND REDRAWN.	B	92603H

DRAWN 310615
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92218B
DATE 31JUL13
PART NO. AE08058187
SHEET 154

Figure 800 Connector Composites (9761F), (9762), (9763) (9764), (9765), (9766)

https://truckmanualshub.com/

13.284. CONNECTOR COMPOSITES (9767), (9775F), (9776F), (9777), (9777A), (9777E), (9777M), (9778), P. 155

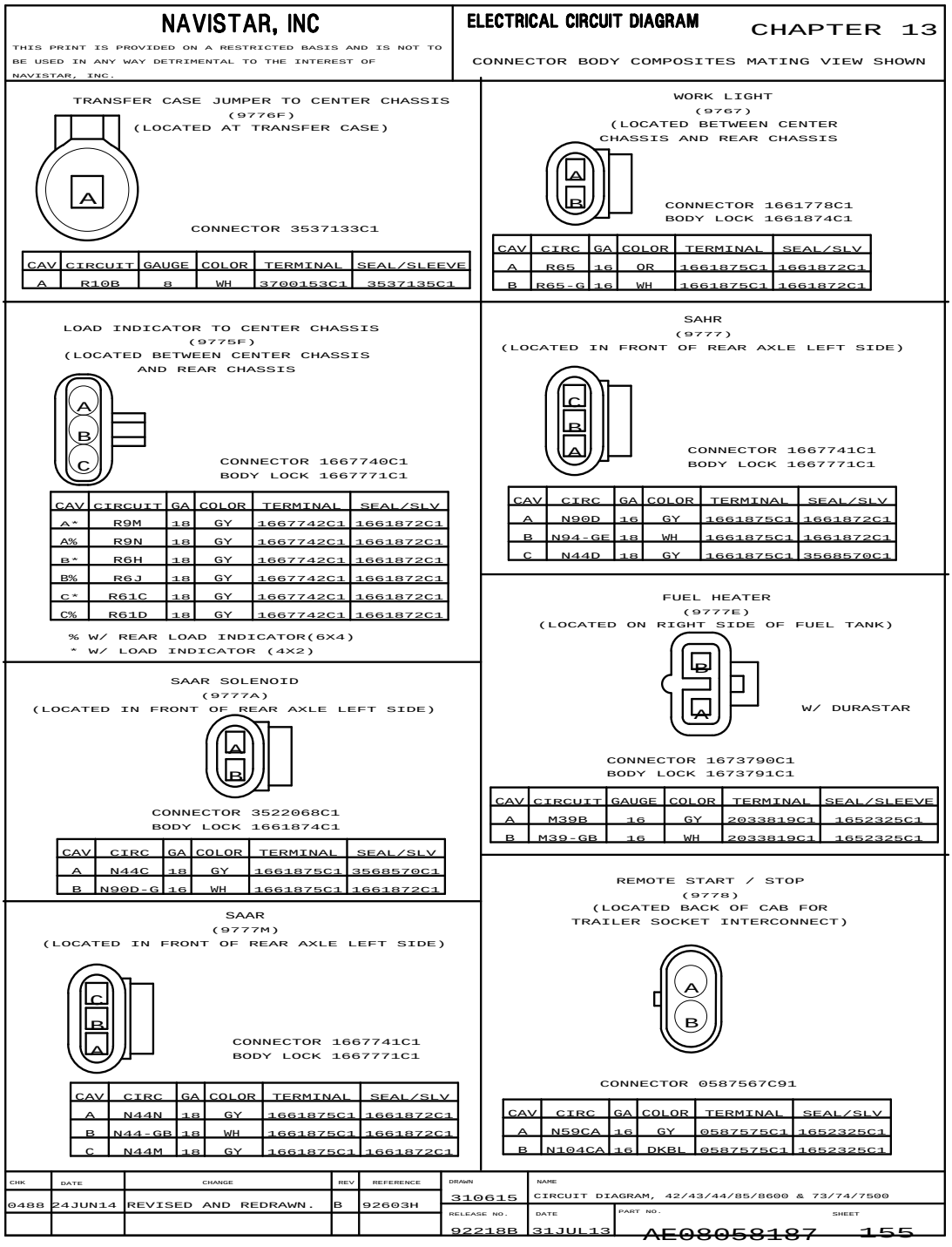


Figure 801 Connector Composites (9767), (9775F), (9776F), (9777), (9777A), (9777E), (9777M), (9778)

https://truckmanualshub.com/

13.285. CONNECTOR COMPOSITES (9778F), (9778F1), (9779F), P. 156

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

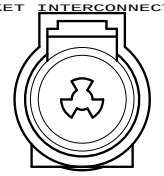
GREEN ABS TRAILER SOCKET GND
(9778F)
(LOCATED AT BACK OF CAB FOR TRAILER SOCKET INTERCONNECT)

* MUTUALLY EXCLUSIVE

CONNECTOR 3537133C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	N10B	8	WH	3700153C1	3537135C1
A*	N10E	8	WH	3700153C1	3537135C1
A*	N10F	8	WH	3700153C1	3537135C1
A*	N10G	8	WH	3700153C1	3537135C1

TRAILER SOCKET GND
(9778F)
(LOCATED AT BACK OF CAB FOR TRAILER SOCKET INTERCONNECT)



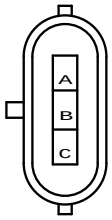
CONNECTOR 3517817C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R10A	8	WH	3517818C1	N/A

TRAILER SOCKET GND
(9778F1)
(LOCATED AT BACK OF CAB FOR TRAILER SOCKET INTERCONNECT)

CONNECTOR 3537133C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R10A	8	WH	3700153C1	3537135C1

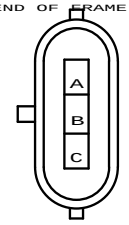


TRAILER SOCKET #2
(9779F)
(LOCATED AT BACK OF CAB FOR TRAILER SOCKET INTERCONNECT)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R58A	10	BK	2025425C1	1667735C1
B	R56A	10	YL	2025425C1	1667735C1
C	R57A	10	LTGN	2025425C1	1667735C1

CONNECTOR 1667732C1
BODY LOCK 1667734C1

GREEN ABS TRAILER SOCKET 2
(9779F)
(LOCATED AT END OF FRAME NEAR REAR AXLES)



CONNECTOR 1667732C1
BODY LOCK 1667734C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A#	N54B	10	BN	2025425C1	1667735C1
A@	N54E	10	BN	2025425C1	1667735C1
A*	N54T	10	BN	2025425C1	1667735C1
A##	N54D	10	BN	2025425C1	1667735C1
B#	N56B	10	YL	2025425C1	1667735C1
B@	N56E	10	YL	2025425C1	1667735C1
B*	N56T	10	YL	2025425C1	1667735C1
B##	N56D	10	YL	2025425C1	1667735C1
C#	N57B	10	LTGN	2025425C1	1667735C1
C@	N57E	10	LTGN	2025425C1	1667735C1
C*	N57T	10	LTGN	2025425C1	1667735C1
C##	N57D	10	LTGN	2025425C1	1667735C1

* W/ TRAILER SOCKET - BOC
# W/ TRAILER & AUX SOCKET - BOC
W/ TRAILER & AUX ISO SOCKET - BOC
@ W/ TRAILER SOCKET - BOC &
BODY BUILDER EOF

CHK	DATE	CHANGE	REV	REFERENCE
0488	25JUN14	REVISED AND REDRAWN.	B	92603H

DRAWN	NAME
310615	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92218B	DATE 31JUL13
PART NO. AE08058187	SHEET 156

Figure 802 Connector Composites (9778F), (9778F1), (9779F)

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13.286. CONNECTOR COMPOSITES (9779F1), (9780M), (9780M1), P. 157

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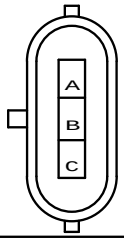
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

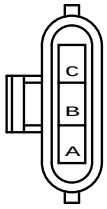


TRAILER SOCKET 2
(9779F1)
(LOCATED BACK OF CAB FOR
TRAILER SOCKET INTERCONNECT)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R58A	10	BK	2025425C1	1667735C1
B	R56A	10	YL	2025425C1	1667735C1
C	R57A	10	LTGN	2025425C1	1667735C1

CONNECTOR 1667732C1
BODY LOCK 1667734C1

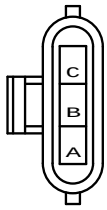
GREEN ABS TRAILER SOCKET #1
(9780M)
(LOCATED BACK OF CAB FOR
TRAILER SOCKET INTERCONNECT)



CONNECTOR 1667733C1
BODY LOCK 1667734C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A#	N70B	10	RD	1667737C1	1667735C1
A@	N70E	10	RD	1667737C1	1667735C1
A*	N70T	10	RD	1667737C1	1667735C1
A##	N70D	10	RD	1667737C1	1667735C1
B#	N68B	10	BN	1667737C1	1667735C1
B@	N68E	10	BN	1667737C1	1667735C1
B*	N68T	10	BN	1667737C1	1667735C1
B##	N68D	10	BN	1667737C1	1667735C1
C@	N94E	10	GY	1667737C1	1667735C1
C*	N94T	10	GY	1667737C1	1667735C1
C#	N94T	10	GY	1667737C1	1667735C1
C##	N72V	10	DK BL	1667737C1	1667735C1

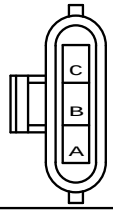
* W/ TRAILER SOCKET - BOC
# W/ TRAILER & AUX SOCKET - BOC
W/ TRAILER & AUX SOCKET - BOC
@ W/ TRAILER SOCKET - BOC &
BODY BUILDER EOF



CONNECTOR 1667733C1
BODY LOCK 1667734C1

GREEN ABS TRAILER SOCKET 1
(9780M)
(LOCATED BACK OF CAB FOR
TRAILER SOCKET INTERCONNECT)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R70A	10	RD	1667737C1	1667735C1
B	R68A	10	BN	1667737C1	1667735C1
C	R94A	10	DKBL	1667737C1	1667735C1



TRAILER SOCKET 1
(9780M1)
(LOCATED BACK OF CAB FOR
TRAILER SOCKET INTERCONNECT)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R70A	10	RD	1667737C1	1667735C1
B	R68A	10	BN	1667737C1	1667735C1
C	R94A	10	DKBL	1667737C1	1667735C1

CONNECTOR 1667733C1
BODY LOCK 1667734C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	24JUN14	REVISED AND REDRAWN.	C	92603H

DRAWN 310615 — NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92218B — DATE 31JUL13 — PART NO. AE08058187 — SHEET 157

Figure 803 Connector Composites (9779F1), (9780M), (9780M1)

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13.287. CONNECTOR COMPOSITES (9781M), (9782F), (9782M), P. 158

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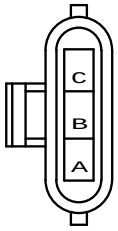
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

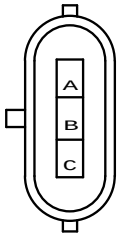
CONNECTOR BODY COMPOSITES MATING VIEW SHOWN



BLACK AUX TRAILER SOCKET #1
(9781M)
(LOCATED BACK OF CAB FOR AUX TRAILER SOCKET INTERCONNECT)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N70C	10	RD	1667737C1	1667735C1
B	N68C	10	BN	1667737C1	1667735C1
C	N72	12	OR	1667737C1	1671603C1

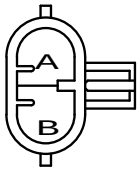
CONNECTOR 1667733C1
BODY LOCK 1667734C1



BLACK AUX TRAILER SOCKET #2
(9782F)
(LOCATED BACK OF CAB FOR AUX TRAILER SOCKET INTERCONNECT)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N54C	10	BN	2025425C1	1667735C1
B	N56C	10	YL	2025425C1	1667735C1
C	N57C	10	LTGN	2025425C1	1667735C1

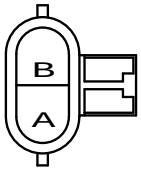
CONNECTOR 1667732C1
BODY LOCK 1667734C1



CONNECTOR 2031520C1
BODY LOCK 2033927C1

ISO TRAILER SOCKET
(9782F)
(LOCATED BACK OF CAB FOR TRAILER SOCKET INTERCONNECT)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R94T	10	DKBL	2025423C1	2025427C1
B	R94TA	12	YL	2025422C1	2025422C1



CONNECTOR 2031522C1
BODY LOCK 2033927C1

ISO TRAILER SOCKET
(9782M)
(LOCATED BACK OF CAB FOR TRAILER SOCKET INTERCONNECT)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R94T	10	DKBL	2031531C1	2025427C1
B	R94TA	12	YL	2031531C1	2025428C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	25JUN14	REVISED AND REDRAWN.	C	92603H	MJV0195	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92218B	DATE 31JUL13
					PART NO. AE08058187	SHEET 158

Figure 804 Connector Composites (9781M), (9782F), (9782M)

https://truckmanualshub.com/

13.288. CONNECTOR COMPOSITES (9783), (9783F), (9783M), (9784M), P. 159

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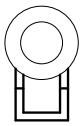
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

TRAILER AUX POWER
(9783)
(LOCATED AT END OF FRAME NEAR REAR AXLES)



CONNECTOR 1669834C1
BOBY LOCK 1675033C1

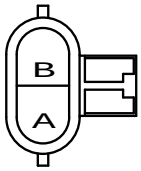
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R72	10	LTGN	1687848C1	0589390C1

BLACK ABS TRLR SOCKET GND
(9783F)
(LOCATED AT END OF FRAME NEAR REAR AXLES)

CONNECTOR 3537133C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N10C	8	WH	3700153C1	3537135C1
A	N10-GP	8	WH	3700153C1	3537135C1

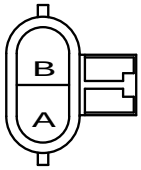
BLACK ABS TRLR SOCKET GND
(9783M)
(LOCATED AT END OF FRAME NEAR REAR AXLES) W/ TRANSTAR



CONNECTOR 2031522C1
BODY LOCK 2033927C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N94T	10	DKBL	2031531C1	2025427C1
B	N94TA	12	YL	2031531C1	2025428C1

BLACK ABS TRLR SOCKET GND
(9784M)
\(LOCATED AT END OF FRAME NEAR REAR AXLES) W/ TRANSTAR



CONNECTOR 2031522C1
BODY LOCK 2033927C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N72V	10	DKBL	2031531C1	2025427C1
B	PLUG	_	_	_	_

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	25JUN14	REVISED AND REDRAWN.	B	92603H	MJV0195	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92218B	DATE 31JUL13
					PART NO. AE08058187	SHEET 159

Figure 805 Connector Composites (9783), (9783F), (9783M), (9784M)

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13.289. CONNECTOR COMPOSITES (9800), P. 160

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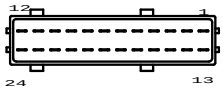
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	R71	14	OR	3559037C1	3575783C1
2	R56	14	OR	3559037C1	3575783C1
3	R57	14	OR	3559037C1	3575783C1
4	R68	14	BN	3559037C1	3575783C1
5*	R32A	18	TN	3559036C1	3509903C1
5*	R36	18	TN	3559036C1	3509903C1
5*	R68	18	BN	3559036C1	3509903C1
6*	R70	14	OR	3559037C1	3575783C1
6*	R32	18	TN	3559036C1	3509903C1
6*	R70	18	OR	3559036C1	3509903C1
7*	R49	18	GY	3559036C1	3509903C1
7*	R49	18	WH	3559036C1	3509903C1
8*	R49A	18	GY	3559036C1	3509903C1
8*	R49A	18	WH	3559036C1	3509903C1
9*	R49-GA	18	WH	3559036C1	3509903C1
9*	R10-GB	18	WH	3559036C1	3509903C1
10	R9D	18	GY	3559036C1	3509903C1
11*	R9C	18	GY	3559036C1	3509903C1
11*	R9B	18	GY	3559036C1	3509903C1
12*	R11-GTL	12	WH	3559037C1	3575783C1
12*	R10-G	12	WH	3559037C1	3575783C1
13*	R94R	16	GY	3559037C1	3509903C1
13*	R94A	16	GY	3559037C1	3509903C1
13*	R94M	16	GY	3559037C1	3509903C1
13*	R94BR	16	GY	3559037C1	3509903C1
13*	[R94M]	18	BK	3559036C1	3509903C1
13*	[R94WL]	18	BK	3559036C1	3509903C1
13*	[R94J]	18	BK	3559036C1	3509903C1
14*	R94S	16	OR	3559037C1	3509903C1
14*	R94B	16	OR	3559037C1	3509903C1
14*	R94N	16	OR	3559037C1	3509903C1
14*	R94BQ	16	OR	3559037C1	3509903C1
14*	[R94N]	18	BN	3559036C1	3509903C1
14*	[R94WM]	18	BN	3559036C1	3509903C1
14*	[R94K]	18	BN	3559036C1	3509903C1
15*	R94W	16	DKBL	3559037C1	3509903C1
15*	R94C	16	DKBL	3559037C1	3509903C1
15*	R94PP	16	DKBL	3559037C1	3509903C1
15*	R94BW	16	DKBL	3559037C1	3509903C1
15*	[R94P]	18	BK	3559036C1	3509903C1
15*	[R94WS]	18	BK	3559036C1	3509903C1
15*	[R94T]	18	BK	3559036C1	3509903C1
16*	R94X	16	YL	3559037C1	3509903C1
16*	R94D	16	YL	3559037C1	3509903C1
16*	R94RR	16	YL	3559037C1	3509903C1
16*	R94BV	16	YL	3559037C1	3509903C1
16*	[RR94R]	18	BN	3559036C1	3509903C1
16*	[R94WT]	18	BN	3559036C1	3509903C1
16*	[R94U]	18	BN	3559036C1	3509903C1
17*	R94LA	16	GY	3559037C1	3509903C1
17*	R94M	16	BK	3559037C1	3509903C1
17*	R94E	16	BK	3559037C1	3509903C1
17*	R94SS	16	BK	3559037C1	3509903C1
17*	R94BZ	16	BK	3559037C1	3509903C1
17*	[R94WN]	18	BL	3559036C1	3509903C1
17*	[R94L]	18	BL	3559036C1	3509903C1

CONNECTION TO CENTER HARNESS (9800) (LOCATED ON LEFT FRAME RAIL BEHIND CAB)



CONNECTOR 3558022C1
BODY LOCK 3558056C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
18*	R94LB	16	GY	3559037C1	3509903C1
18*	R94N	16	RD	3559037C1	3509903C1
18*	R94F	16	RD	3559037C1	3509903C1
18*	R94TT	16	RD	3559037C1	3509903C1
18*	R94BY	16	RD	3559037C1	3509903C1
18*	[R94G7]	18	GN	3559036C1	3509903C1
18*	[R94G8]	18	GN	3559036C1	3509903C1
19*	R94LC	16	GY	3559037C1	3509903C1
19*	R94P	16	BN	3559037C1	3509903C1
19*	R94H	16	BN	3559037C1	3509903C1
19*	R94UU	16	BN	3559037C1	3509903C1
19*	R94BP	16	BN	3559037C1	3509903C1
19*	[R94WR]	18	BN	3559036C1	3509903C1
19*	[R94M]	18	BN	3559036C1	3509903C1
20*	R94RJ	16	GY	3559037C1	3509903C1
20*	R94T	16	PL	3559037C1	3509903C1
20*	R94J	16	PL	3559037C1	3509903C1
20*	R94VV	16	PL	3559037C1	3509903C1
20*	R94BS	16	PL	3559037C1	3509903C1
20*	[R94WU]	18	BL	3559036C1	3509903C1
20*	[R94P]	18	BL	3559036C1	3509903C1
21*	R94RK	16	GY	3559037C1	3509903C1
21*	R94U	16	LTGN	3559037C1	3509903C1
21*	R94K	16	LTGN	3559037C1	3509903C1
21*	R94W	16	LTGN	3559037C1	3509903C1
21*	R94BT	16	LTGN	3559037C1	3509903C1
21*	[R94G6]	18	GN	3559036C1	3509903C1
21*	[R94G9]	18	GN	3559036C1	3509903C1
22*	R94RL	16	GY	3559037C1	3509903C1
22*	R94V	16	LTBL	3559037C1	3509903C1
22*	R94L	16	LTBL	3559037C1	3509903C1
22*	R94X	16	LTBL	3559037C1	3509903C1
22*	R94BU	16	LTBL	3559037C1	3509903C1
22*	[R94WW]	18	BN	3559036C1	3509903C1
22*	[R94S]	18	BN	3559036C1	3509903C1
23*	R94BD	16	BN	3559037C1	3509903C1
23*	[R94WX]	18	BN	3559036C1	3509903C1
24*	R94BE	16	YL	3559037C1	3509903C1
24*	[R94WZ]	18	BL	3559036C1	3509903C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	25JUN14	REVISED AND REDRAWN.	B	92603H	MJV0195	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92218B	DATE 31JUL13
						PART NO. AE08058187 SHEET 160

Figure 806 Connector Composites (9800)

https://truckmanualshub.com/

13.290. CONNECTOR COMPOSITES (9800), (9801), (9809), (9810), (9811), (9812), P. 161

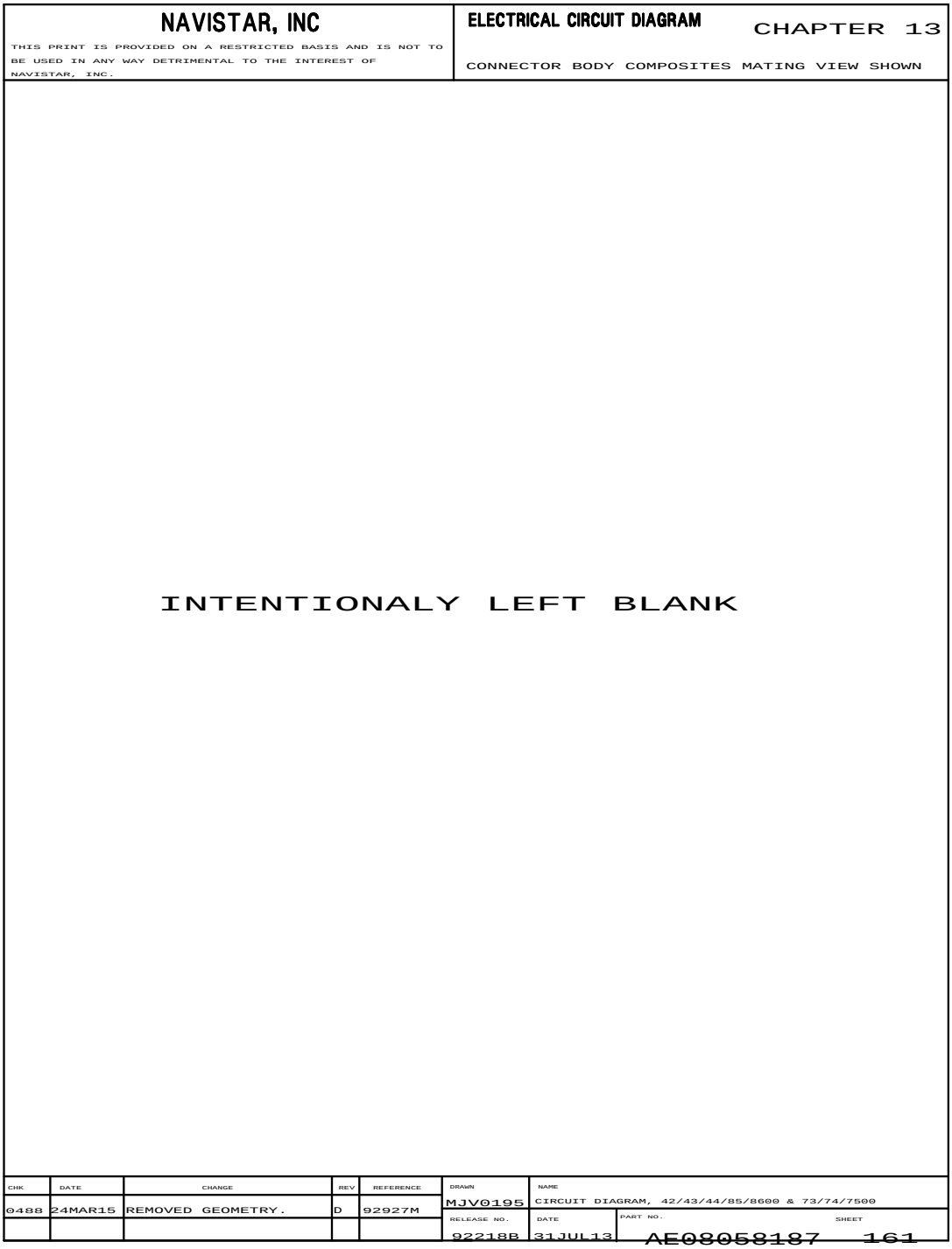


Figure 807 Connector Composites (9800), (9801), (9809), (9810), (9811), (9812)

https://truckmanualshub.com/

13.291. CONNECTOR COMPOSITES (9814), (9814A), (9815), (9815A), (9820F), (9820M), (9824), P. 162

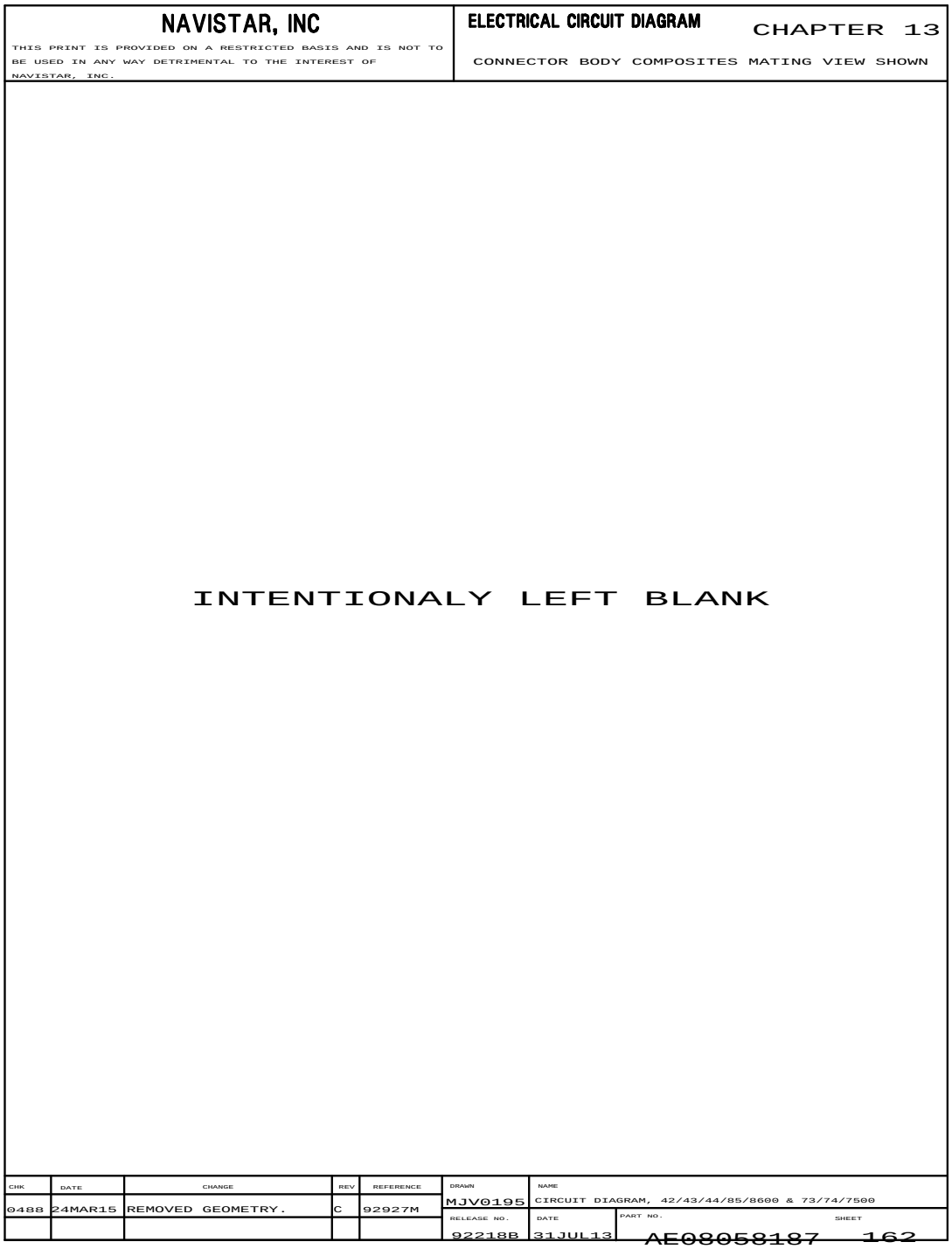


Figure 808 Connector Composites (9814), (9814A), (9815), (9815A), (9820F), (9820M), (9824)

https://truckmanualshub.com/

13.292. CONNECTOR COMPOSITES (9830), (9832), (9865M), (9865MA), (9900) P. 163

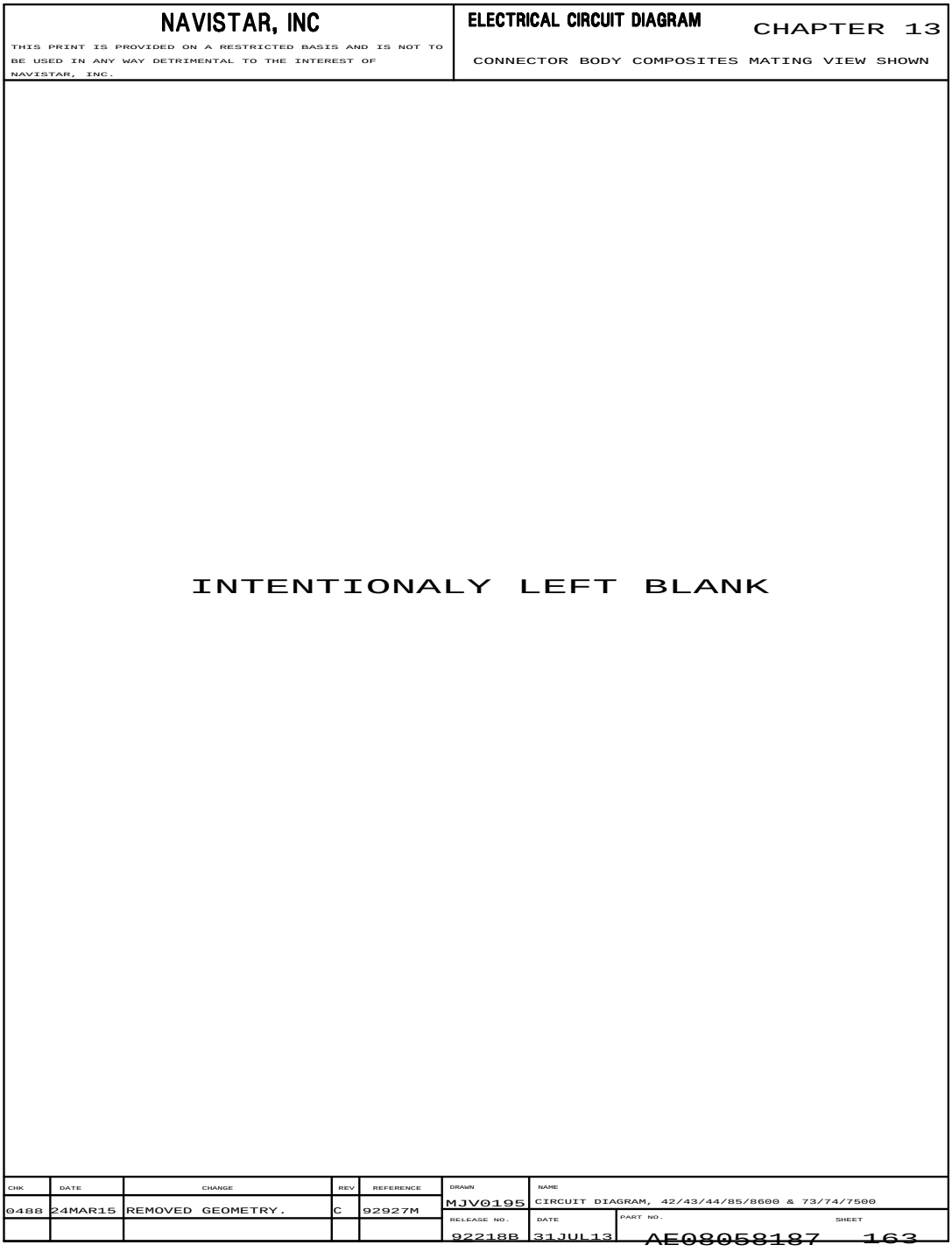


Figure 809 Connector Composites (9830), (9832), (9865M), (9865MA), (9900)

https://truckmanualshub.com/

13.293. CONNECTOR COMPOSITES (9900A), (9900AA), (9900AC), (9900AD), (9900AE), (9900AF), (9900AG), P. 164

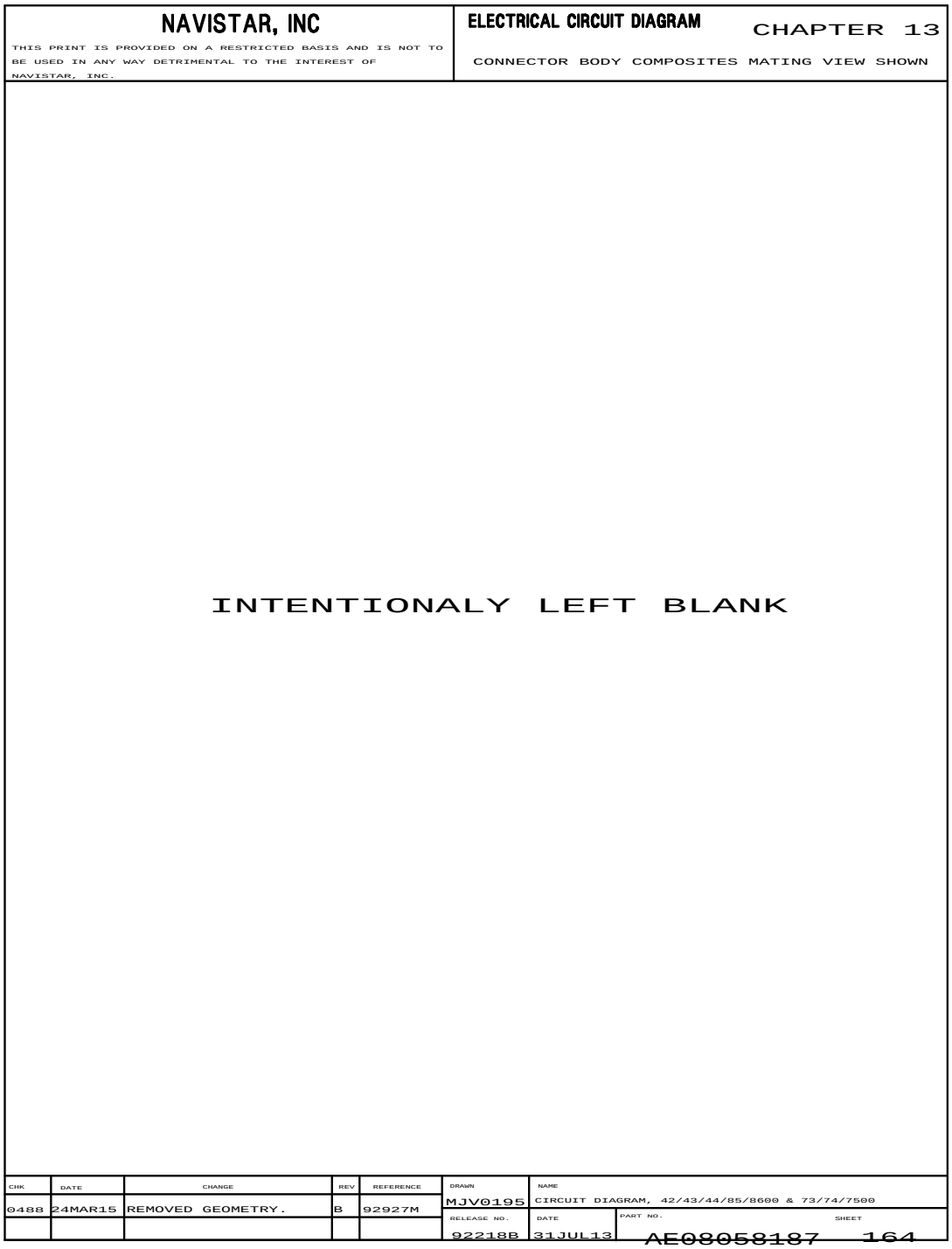


Figure 810 Connector Composites (9900A), (9900AA), (9900AC), (9900AD), (9900AE), (9900AF), (9900AG)

https://truckmanualshub.com/

13.294. CONNECTOR COMPOSITES (9900C), (9900C1), (9900D), (9900E), P. 165

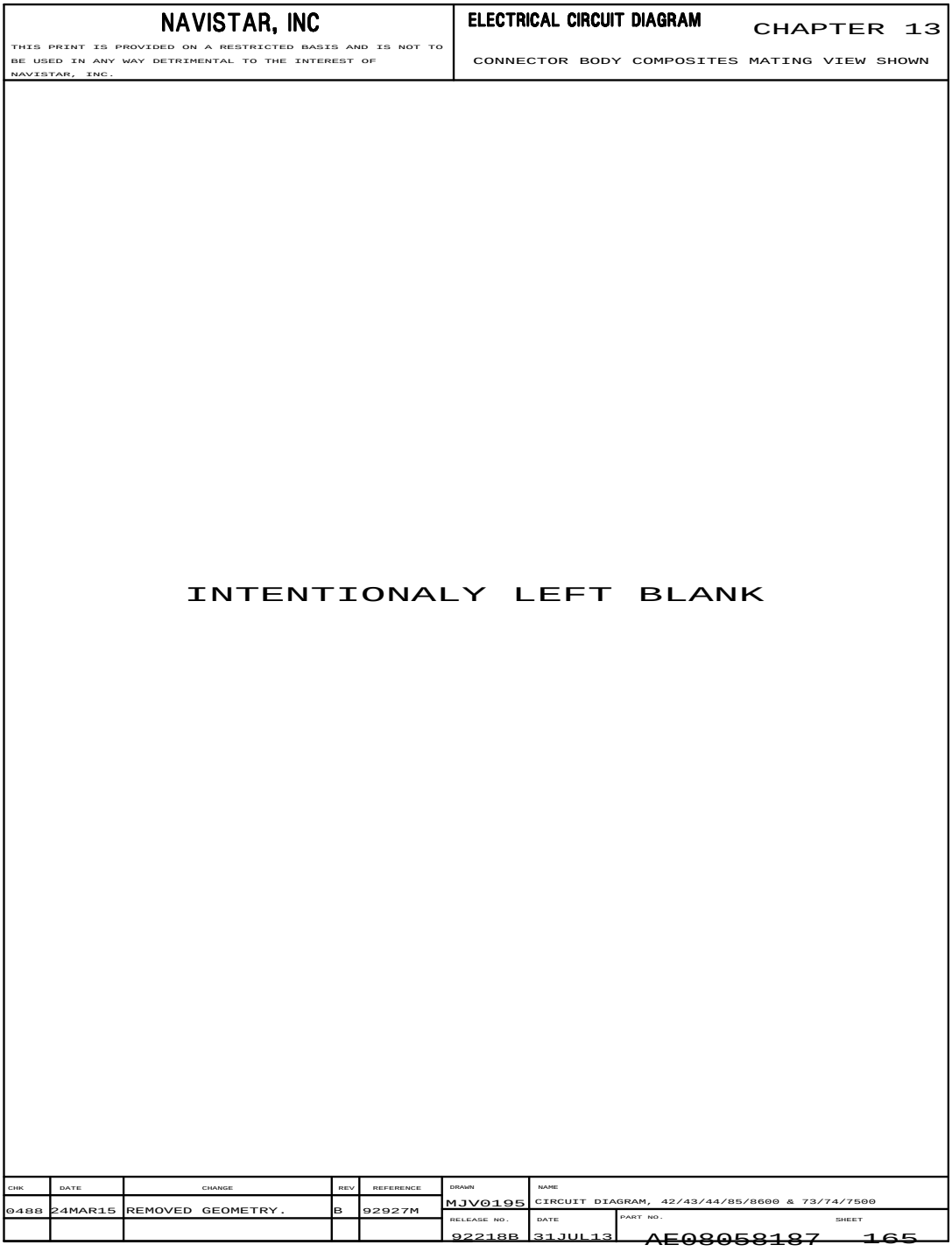


Figure 811 Connector Composites (9900C), (9900C1), (9900D), (9900E)

https://truckmanualshub.com/

13.295. CONNECTOR COMPOSITES (9900G), (9911), (9913A), (9913B), P. 166

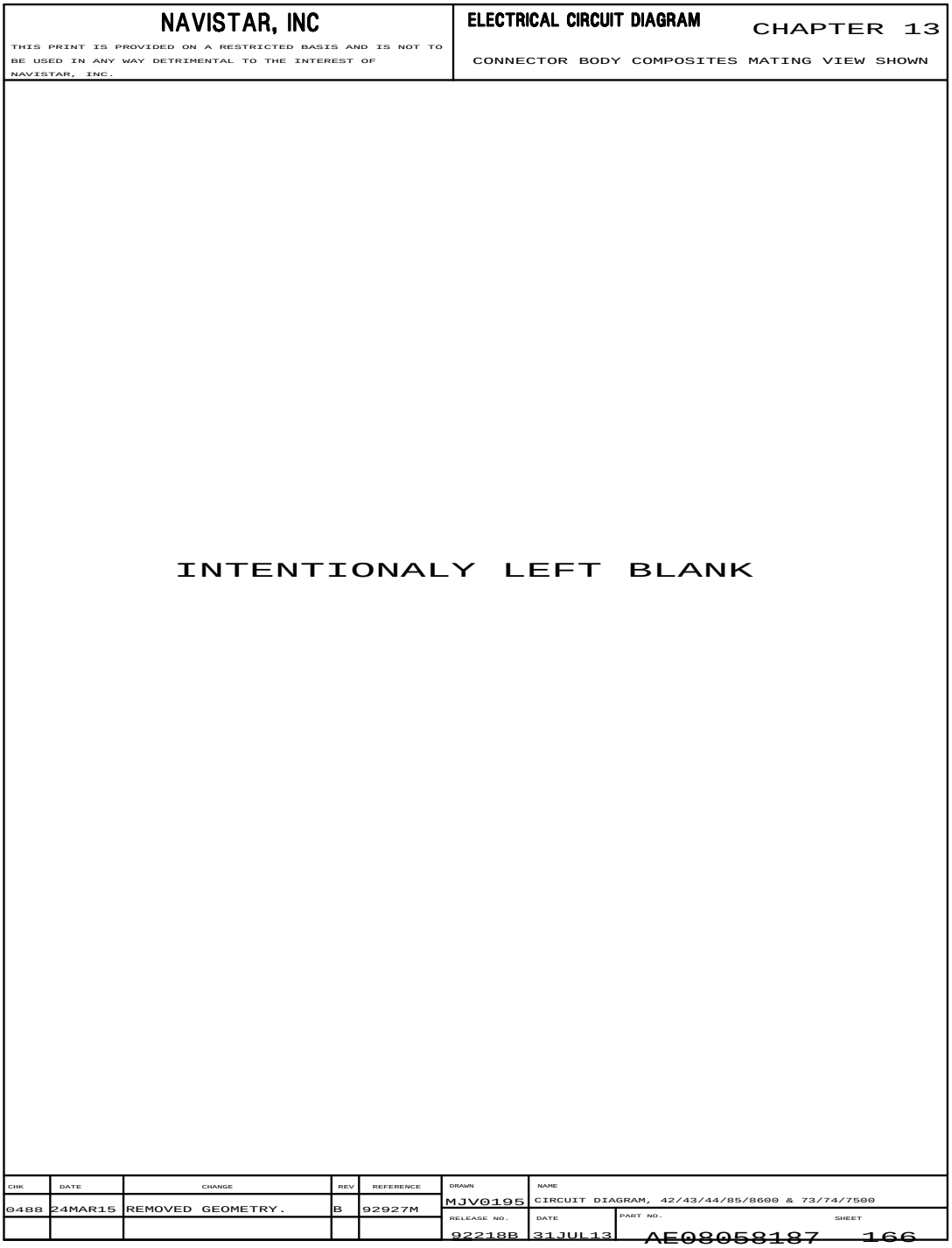


Figure 812 Connector Composites (9900G), (9911), (9913A), (9913B)

https://truckmanualshub.com/

13.296. CONNECTOR COMPOSITES (9915), (9916), (9920), (9921), P. 167

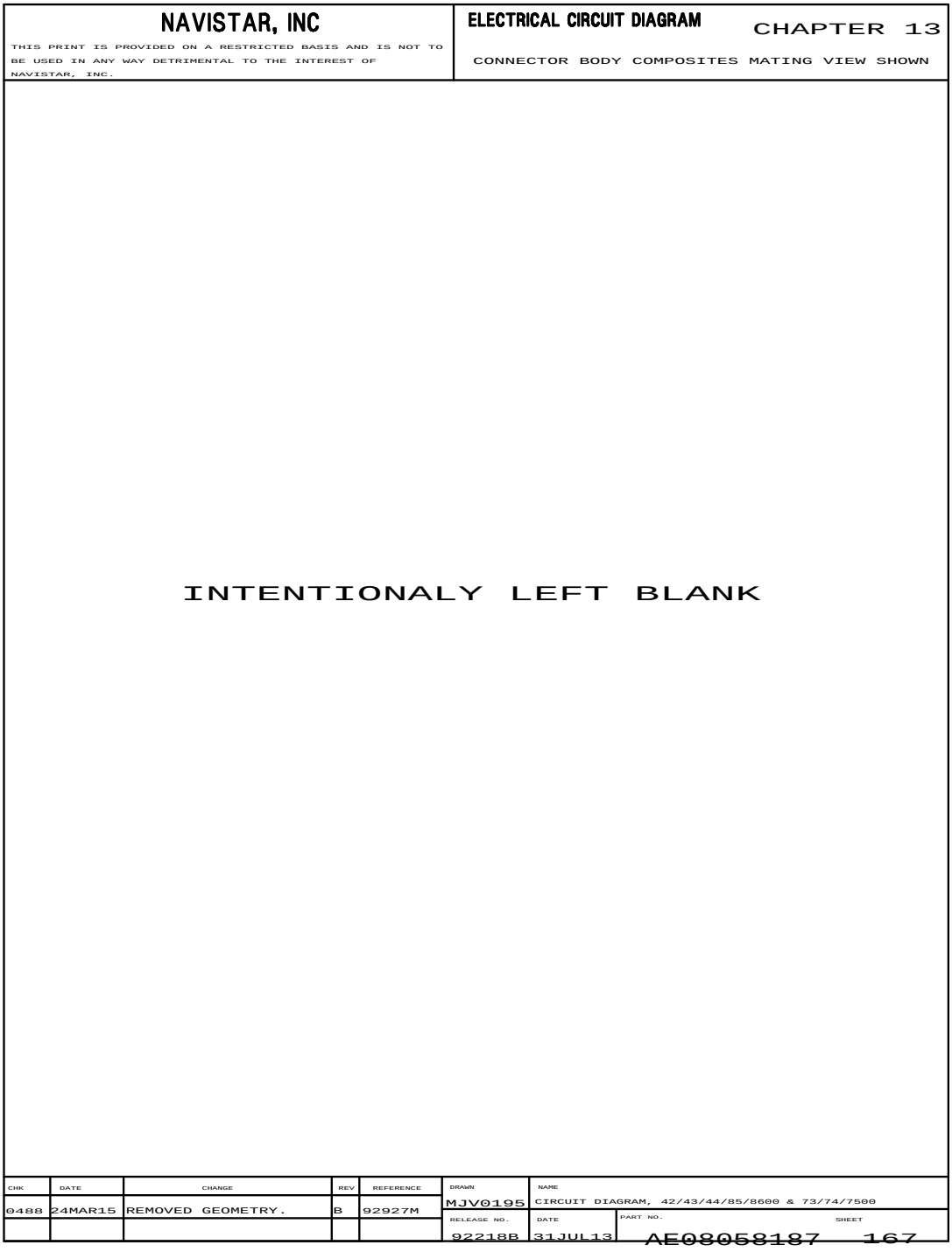


Figure 813 Connector Composites (9915), (9916), (9920), (9921)

https://truckmanualshub.com/

13.297. CONNECTOR COMPOSITES (9930), (9965M), (9989), P. 168

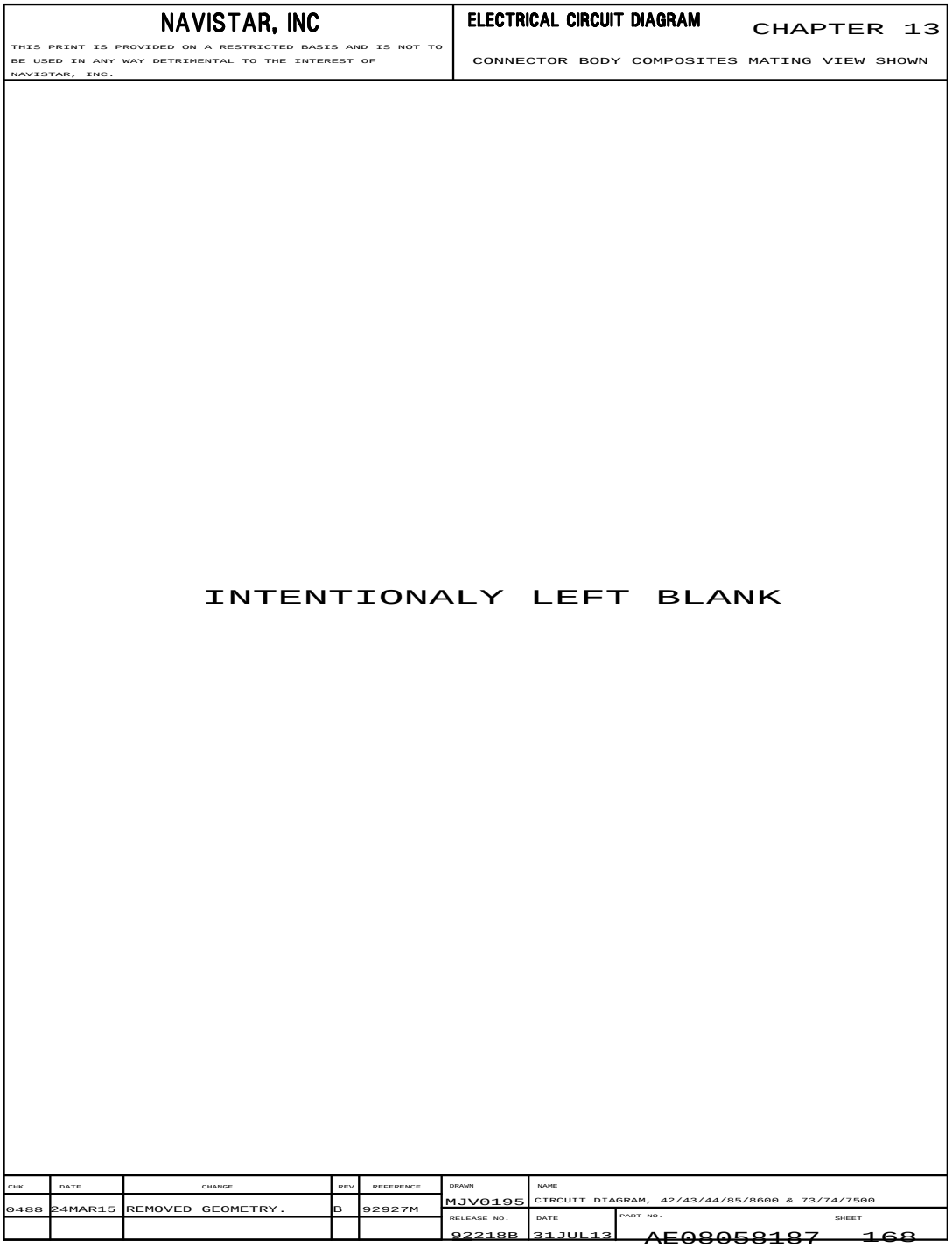


Figure 814 Connector Composites (9930), (9965M), (9989)

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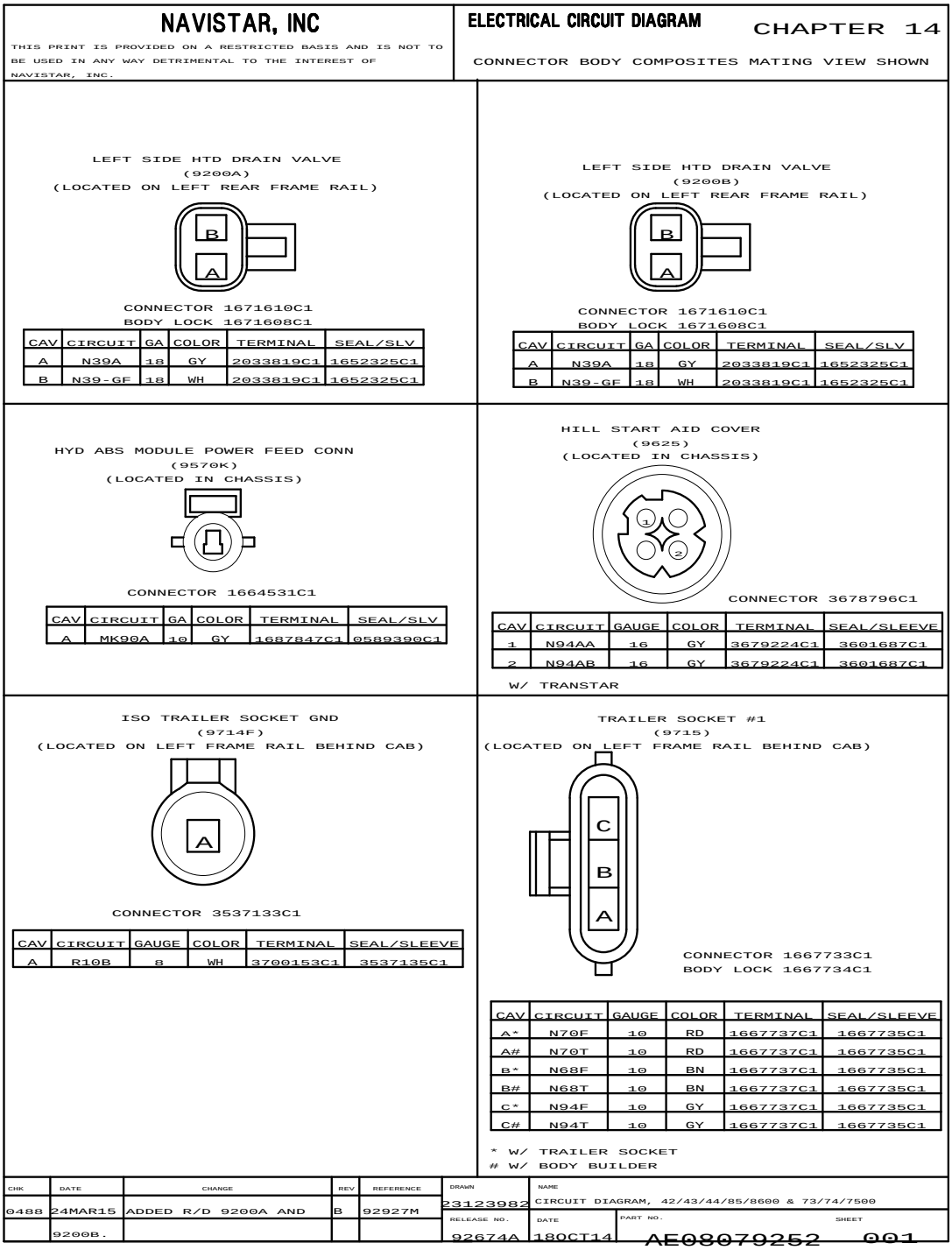
CONNECTOR COMPOSITES (CHAPTER 14)

14.1. CONNECTOR COMPOSITES (9200A), (9200B), (9570K), (9715), (9625), (9714F), (9715), P. 1



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ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 14

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

LEFT SIDE HTD DRAIN VALVE
(9200A)
(LOCATED ON LEFT REAR FRAME RAIL)

CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A	N39A	18	GY	2033819C1	1652325C1
B	N39-GF	18	WH	2033819C1	1652325C1

LEFT SIDE HTD DRAIN VALVE
(9200B)
(LOCATED ON LEFT REAR FRAME RAIL)

CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A	N39A	18	GY	2033819C1	1652325C1
B	N39-GF	18	WH	2033819C1	1652325C1

HYD ABS MODULE POWER FEED CONN
(9570K)
(LOCATED IN CHASSIS)

CONNECTOR 1664531C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A	MK90A	10	GY	1687847C1	0589390C1

HILL START AID COVER
(9625)
(LOCATED IN CHASSIS)

CONNECTOR 3678796C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N94AA	16	GY	3679224C1	3601687C1
2	N94AB	16	GY	3679224C1	3601687C1

W/ TRANSTAR

ISO TRAILER SOCKET GND
(9714F)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)

CONNECTOR 3537133C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R10B	8	WH	3700153C1	3537135C1

TRAILER SOCKET #1
(9715)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)

CONNECTOR 1667733C1
BODY LOCK 1667734C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	N70F	10	RD	1667737C1	1667735C1
A#	N70T	10	RD	1667737C1	1667735C1
B*	N68F	10	BN	1667737C1	1667735C1
B#	N68T	10	BN	1667737C1	1667735C1
C*	N94F	10	GY	1667737C1	1667735C1
C#	N94T	10	GY	1667737C1	1667735C1

* W/ TRAILER SOCKET
# W/ BODY BUILDER

CHK	DATE	CHANGE	REV	REFERENCE
0488	24MAR15	ADDED R/D 9200A AND	B	92927M
		9200B.		

DRAWN: 23123982
NAME: CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO.: 92674A
DATE: 18OCT14
PART NO.: AE08079252
SHEET: 001

Figure 815 Connector Composites (9200A), (9200B), (9570K), (9715), (9625), (9714F), (9715)

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14.2. CONNECTOR COMPOSITES (9715F), (9715F1), (9716), P. 2

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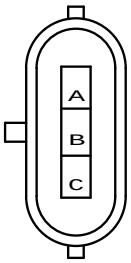
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

TRAILER SOCKET 1
(9715F)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)

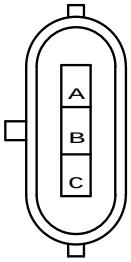


* W/ TRAILER SOCKET
# W/ BODY BUILDER

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	R70A	10	RD	2025425C1	1667735C1
A#	R70	10	RD	2025425C1	1667735C1
B*	R68A	10	BN	2025425C1	1667735C1
B#	R68	10	BN	2025425C1	1667735C1
C*	R94A	10	DKBL	2025425C1	1667735C1
C#	R94	10	GY	2025425C1	1667735C1

CONNECTOR 1667732C1
BODY LOCK 1667734C1

TRAILER SOCKET 1
(9715F1)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)

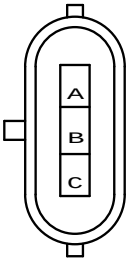


* MUTUALLY EXCLUSIVE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	R70A	10	RD	2025425C1	1667735C1
A*	R70	10	RD	2025425C1	1667735C1
B*	R68	10	BN	2025425C1	1667735C1
B*	R68A	10	BN	2025425C1	1667735C1
C*	R94A	10	DKBL	2025425C1	1667735C1
C*	R94	10	GY	2025425C1	1667735C1

CONNECTOR 1667732C1
BODY LOCK 1667734C1

TRAILER SOCKET #2
(9716)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)



* W/ TRAILER SOCKET
# W/ BODY BUILDER & TRAILER SOCKET

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A*	N54F	10	BN	2025425C1	1667735C1
A#	N54T	10	BN	2025425C1	3575783C1
A#	N54T	10	BN	2025425C1	1667735C1
B*	N56F	10	YL	2025425C1	1667735C1
B#	N56T	10	YL	2025425C1	1667735C1
C*	N57F	10	LTGN	2025425C1	1667735C1
C#	N57T	10	LTGN	2025425C1	1667735C1

CONNECTOR 1667732C1
BODY LOCK 1667734C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	24MAR15	ADDED CIRC N54T IN	B	92927M	23123982	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	R/D 9716.				RELEASE NO. 92674A	DATE 18OCT14 PART NO. AE08079252 SHEET 002

Figure 816 Connector Composites (9715F), (9715F1), (9716)

https://truckmanualshub.com/

14.3. CONNECTOR COMPOSITES (9716M), (9716M1), (9717), P. 3

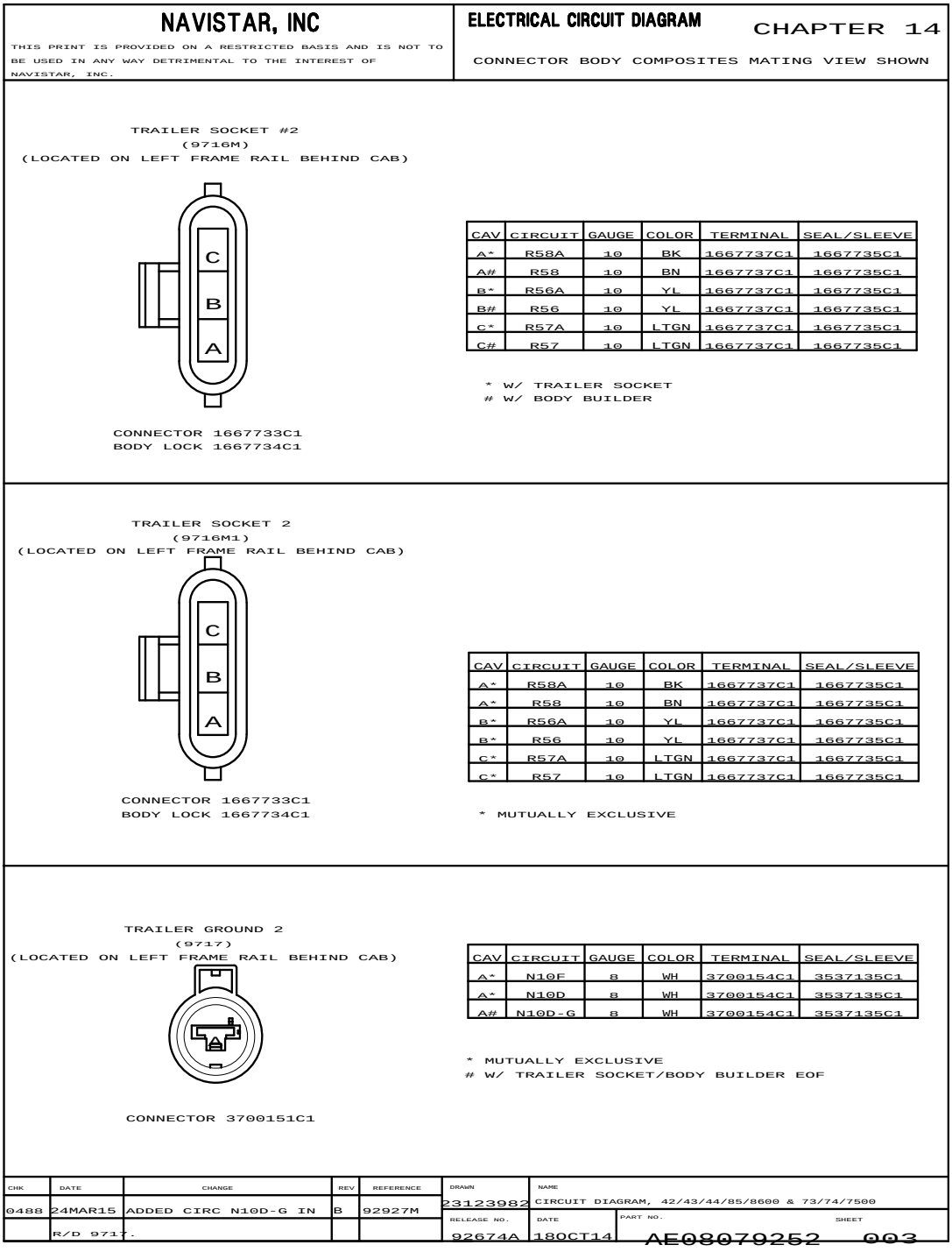


Figure 817 Connector Composites (9716M), (9716M1), (9717)

https://truckmanualshub.com/

14.4. CONNECTOR COMPOSITES (9717D), (9717F), (9717F1), (9718A), P. 4

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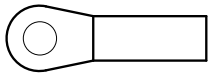
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

HYD BRAKES GND
(9717D)
(LOCATED IN CHASSIS)



TERMINAL 3710088C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A#	N90-G	10	WH	2034790C1	2644054R1

W/ NEXT GEN HYD BRAKES

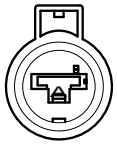
TRAILER GROUND
(9717F)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)

CONNECTOR 3517817C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A*	R10A	8	WH	3517818C1
A*	R10	8	WH	3517818C1

* MUTUALLY EXCLUSIVE

TRAILER GROUND
(9717F1)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)



CONNECTOR 3537133C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	R10A	8	WH	3700153C1	3537135C1
A*	R10	8	WH	3700153C1	3537135C1

* MUTUALLY EXCLUSIVE

WORK LIGHT
(9718A)
(LOCATED ON LEFT FRAME RAIL AT BACK OF DAYCAB)

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N65	16	OR	1661875C1	1661872C1
B*	N65-G	16	WH	1661875C1	1661872C1
B*	N65-GA	16	WH	1661875C1	1661875C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	20NOV14	INITIAL RELEASE.	A	92674A	23123982	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92674A	DATE 18OCT14
					PART NO. AE08079252	SHEET 004

Figure 818 Connector Composites (9717D), (9717F), (9717F1), (9718A)

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14.5. CONNECTOR COMPOSITES (9719M), (9720), (9722), (9726), P. 5

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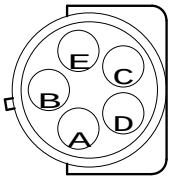
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

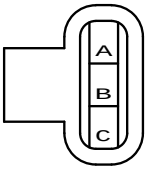
CONNECTOR BODY COMPOSITES MATING VIEW SHOWN



CONNECTOR 1673751C1

BLACKOUT TRUCK TRAILER LIGHTING
(9719M)
(LOCATED AT MAIN CHASSIS TO REAR CHASSIS INTERCONNECT)

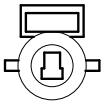
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R54H	12	BN	1673748C1	0589390C1
B	R54L	12	TN	1673748C1	0589390C1
C	R70L	12	RD	1673748C1	0589390C1
D	R70H	12	OR	1673748C1	0589390C1
E	PLUG	_	_	0587579C1	_



CONNECTOR 1686834C1
BODY LOCK 1664408C1

BLACKOUT LIGHTING
(9720)
(LOCATED AT REAR END OF LEFT FRAME RAIL)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R70	18	OR	2033819C1	1652325C1
B	R68	18	BN	2033819C1	1652325C1
C	PLUG	_	_	0587579C1	_

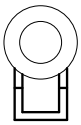


CONNECTOR 1664531C1
BODY LOCK 1675053C1

TRAILER AUX
(9722)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N72	10	OR	1687847C1	0589390C1

W/ WORKSTAR

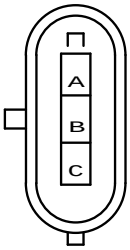


CONNECTOR 1669834C1
BODY LOCK 1675053C1

TRAILER AUX
(9722)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	R72EB	10	LTGN	1687847C1	0589390C1
A*	R72	10	LTGN	1687847C2	0589390C2

* MUTUALLY EXCLUSIVE



CONNECTOR 1667732C1
BODY LOCK 1667734C1

12V TRAILER SOCKET #2
(9726)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R58	14	BK	1667736C1	1671603C1
B	R56	16	YL	1667736C1	1664232C1
C	R57	16	LTGN	1667736C1	1664232C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	20NOV14	INITIAL RELEASE.	A	92674A

DRAWN 23123982 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 92674A | DATE 18OCT14 | PART NO. AE08079252 | SHEET 005

Figure 819 Connector Composites (9719M), (9720), (9722), (9726)

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14.6. CONNECTOR COMPOSITES (9727), (9728), (9729), (9736), P. 6

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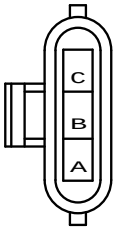
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN



CONNECTOR 1667733C1
BODY LOCK 1667734C1

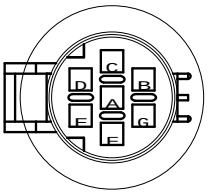
12V TRAILER SOCKET #1
(9727)
(LOCATED AT REAR END OF LEFT FRAME RAIL)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R71	16	OR	1667738C1	1664232C1
B	R68	14	BN	1667738C1	1671603C1
C	R12	14	LT BL	1667738C1	1671603C1

CONNECTOR 3517817C1

12V TRAILER SOCKET GROUND
(9728)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)

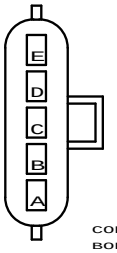
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	R11-G	8	WH	3517818C1



CONNECTOR 2039312C91
BODY LOCK 2039342C1

12V TRAILER INTERCONNECT
(9729)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R68	14	BN	2033912C1	0589391C1
B	R56	16	YL	2033911C1	1652325C1
C	R57	16	LT GN	2033911C1	1652325C1
D	R58	14	BK	2033912C1	0589391C1
E	R71	16	OR	2033911C1	1652325C1
F	R12	14	LT BL	2033912C1	0589391C1
G	R11-GA	10	WH	1687848C1	0589390C1



W/ WORKSTAR

CONNECTOR 1661375C2
BODY LOCK 1661376C1

AIR SOLENOID 4 PACK
(9736)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59A-G	14	WH	2033816C1	0589391C1
B	N59B	18	GY	2033819C1	1652325C1
C	N59C	18	GY	2033819C1	1652325C1
D	N59D	18	GY	2033819C1	1652325C1
E	N59E	18	GY	2033819C1	1652325C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	20NOV14	INITIAL RELEASE.	A	92674A

DRAWN 23123982
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92674A
DATE 18OCT14
PART NO. AE08079252
SHEET 006

Figure 820 Connector Composites (9727), (9728), (9729), (9736)

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14.7. CONNECTOR COMPOSITES (9737), (9738), (9739), (9740), P. 7

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

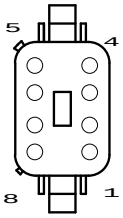
CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

AIR HORN SOLENOID
(9737)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)

CONNECTOR 3522068C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59B	18	GY	1661875C1	1661872C1
B	N59A-G	16	WH	1661875C1	1661872C1

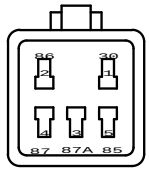
HYBRID APG
(9738)
(LOCATED IN CHASSIS)



CONNECTOR 3693141C1
BODY LOCK 3534766C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N92AE	18	TN	1680205C1
2	N92AF	18	TN	1680205C1
3	N92AG	18	TN	1680205C1
4	N98K(+)	18	YL	1680205C1
5	N98K(-)	18	GN	1680205C1
6	N10-GL	18	WH	1680205C1
7	N10-GM	18	WH	1680205C1
8	N10-GN	18	TN	1680205C1

HYBRID APG ENABLE RELAY
(9739)
(LOCATED IN CHASSIS)



CONNECTOR 3512331C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N92AB	16	TN	2039343C1	1652325C1
2	N92AA	18	TN	2039343C1	1652325C1
3	PLUG	-	-	-	-
4	N92AC	18	TN	2039343C1	1652325C1
5	N92AD-G	18	WH	2039343C1	1652325C1

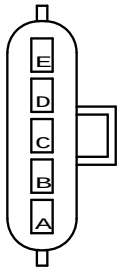
AIR HORN SINGLE SOLENOID
(9739)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)

W/ TRANSTAR

CONNECTOR 3522068C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59C	18	GY	1661875C1	1661872C1
B	N59-G	16	WH	1661875C1	1661872C1

SOLENOID 4-PACK
(9740)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)



CONNECTOR 1661375C2
BODY LOCK 1661376C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59F-G	14	WH	2033816C1	0589391C1
B	N59G	18	GY	2033819C1	1652325C1
C	N59H	18	GY	2033819C1	1652325C1
D	N59J	18	GY	2033819C1	1652325C1
E	N59K	18	GY	2033819C1	1652325C1

W/ WORKSTAR

CHK	DATE	CHANGE	REV	REFERENCE
0488	20NOV14	INITIAL RELEASE.	A	92674A

DRAWN 23123982
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92674A
DATE 18OCT14
PART NO. AE08079252
SHEET 007

Figure 821 Connector Composites (9737), (9738), (9739), (9740)

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14.8. CONNECTOR COMPOSITES (9740), (9740A), (9740B), P. 8

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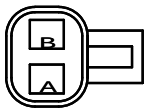
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

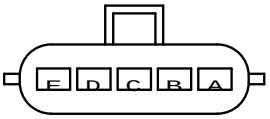
ALTERNATOR FIELD
(9740)
(LOCATED NEAR BATTERY BOX)



CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K1(+)	14	RD	2033816C1	0589391C1
B	K1(-)	14	WH	2033816C1	0589391C1

4-PACK SOLENIOD 6X4 OR 4X2
(9740A)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)

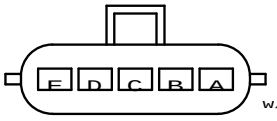


CONNECTOR 1661375C2
BODY LOCK 1661376C1

W/ TRANSTAR

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59A-G	14	WH	2033816C1	0589391C1
B	N59B	18	GY	2033819C1	1652325C1
C	N59C	18	GY	2033819C1	1652325C1
D	N59D	18	GY	2033819C1	1652325C1
E	N59E	18	GY	2033819C1	1652325C1

4-PACK SOLENIOD
(9740A)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)

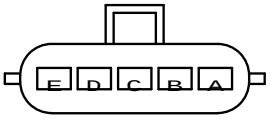


W/ WORKSTAR

CONNECTOR 1661375C2
BODY LOCK 1661376C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59L-G	14	WH	2033816C1	0589391C1
B	N59M	18	GY	2033819C1	1652325C1
C	N59N	18	GY	2033819C1	1652325C1
D	N59P	18	GY	2033819C1	1652325C1
E	N59Q	18	GY	2033819C1	1652325C1

8-PACK SOLENIOD 6X4 OR 4X2
(9740B)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)



CONNECTOR 1661375C2
BODY LOCK 1661376C1

W/ TRANSTAR

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59X-G	14	WH	2033816C1	0589391C1
B	N59G	18	GY	2033819C1	1652325C1
C	N59H	18	GY	2033819C1	1652325C1
D	N59J	18	GY	2033819C1	1652325C1
E	N59K	18	GY	2033819C1	1652325C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	20NOV14	INITIAL RELEASE.	A	92674A	23123982	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92674A	DATE 18OCT14
						PART NO. AE08079252
						SHEET 008

Figure 822 Connector Composites (9740), (9740A), (9740B)

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14.9. CONNECTOR COMPOSITES (9740B), (9740C), (9740D), (9745), P. 9

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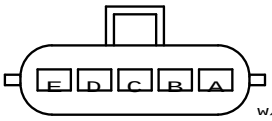
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

SOLENOID 4-PACK
(9740B)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)



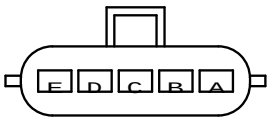
W/ WORKSTAR

CONNECTOR 1661375C2
BODY LOCK 1661376C1

* MUTUALLY EXCLUSIVE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	N59R-G	14	WH	2033816C1	0589391C1
A*	N59R-G	18	WH	2033819C1	1652325C1
B*	N59M	18	GY	2033819C1	1652325C1
B*	N59S	18	GY	2033819C1	1652325C1
C*	N59N	18	GY	2033819C1	1652325C1
C*	N59T	18	GY	2033819C1	1652325C1
D*	N59P	18	GY	2033819C1	1652325C1
D*	N59V	18	GY	2033819C1	1652325C1
E*	N59Q	18	GY	2033819C1	1652325C1
E*	N59W	18	GY	2033819C1	1652325C1

SOLENOID 4-PACK
(9740C)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)

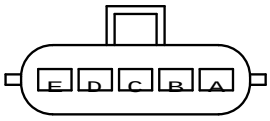


W/ WORKSTAR

CONNECTOR 1661375C2
BODY LOCK 1661376C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59X-G	14	WH	2033816C1	0589391C1
B	N59G	18	GY	2033819C1	1652325C1
C	N59H	18	GY	2033819C1	1652325C1
D	N59J	18	GY	2033819C1	1652325C1
E	N59K	18	GY	2033819C1	1652325C1

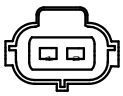
SOLENOID 8-PACK
(9740D)
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)



CONNECTOR 1661375C2
BODY LOCK 1661376C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59F-G	14	WH	2033816C1	0589391C1
B	N59G	14	WH	2033816C1	0589391C1
C	N59H	18	GY	2033819C1	1652325C1
D	N59J	18	GY	2033819C1	1652325C1
E	N59K	18	GY	2033819C1	1652325C1

SS / RH WASHER PUMP
(9745)
(LOCATED AT WASHER PUMP UNDER CAB LEFT SIDE)



W/ WORKSTAR

CONNECTOR 3536864C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N87MB	16	GY	3561584C1	3536868C1
2	N87DB	18	GY	3561584C1	3536868C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	20NOV14	INITIAL RELEASE.	A	92674A

DRAWN 23123982 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 92674A | DATE 18OCT14 | PART NO. AE08079252 | SHEET 009

Figure 823 Connector Composites (9740B), (9740C), (9740D), (9745)

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14.10. CONNECTOR COMPOSITES (9745A), (9746), (9746A), (9747), (9748), (9750), P. 10

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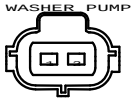
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

WASHER PUMP
(9745A)
(LOCATED AT WASHER PUMP UNDER CAB LEFT SIDE)

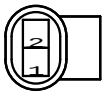


W/ WORKSTAR

CONNECTOR 3536864C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N87DA	16	GY	3536865C1	3536868C1
2	N87DB	18	GY	3536865C1	3536868C1

SS WASHER LEVEL SENSOR
(9746)
(LOCATED AT WASHER PUMP UNDER CAB LEFT SIDE)

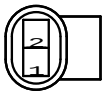


W/ WORKSTAR

CONNECTOR 3554317C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N87EA	18	GY	3554322C1	3554318C1
2	N87H	18	GY	3554322C1	3554318C1

WASHER LEVEL SENSOR
(9746A)
(LOCATED AT WASHER PUMP UNDER CAB LEFT SIDE)

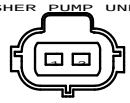


W/ WORKSTAR

CONNECTOR 3554317C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N87EA	18	GY	3554322C1	3554318C1
2	N8EB	18	GY	3554322C1	3554318C1

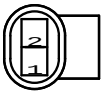
RIGHT UNDER CAB WASHER PUMP
(9747)
(LOCATED AT WASHER PUMP UNDER CAB RIGHT SIDE)



CONNECTOR 3536864C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N87MB	18	GY	3561584C1	3536868C1
2	N87DB	18	GY	3561584C1	3536868C1

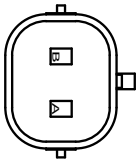
RIGHT UNDER CAB LEVEL SENSOR
(9748)
LOCATED AT WASHER PUMP UNDER CAB RIGHT SIDE)



CONNECTOR 3554317C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N87EA	18	GY	3554322C1	3554318C1
2	N87HA	18	GY	3554322C1	3554318C1

XMSN TO TRANSFER CASE
(9750)
(LOCATED AT TRANSFER CASE)



W/ WORKSTAR

CONNECTOR 3543888C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	N47A	16	GY	1667742C1	1661872C1
A*	N47C	16	GY	1667742C1	1661872C1
B*	N47B	16	GY	1667742C1	1661872C1
B*	N47D	16	GY	1667742C1	1661872C1

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV	REFERENCE
0488	20NOV14	INITIAL RELEASE.	A	92674A

DRAWN 23123982
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92674A
DATE 18OCT14
PART NO. AE08079252
SHEET 010

Figure 824 Connector Composites (9745A), (9746), (9746A), (9747), (9748), (9750)

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14.11. CONNECTOR COMPOSITES (9750F), (9751), (9752), (9753), P. 11

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

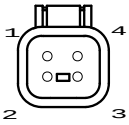
TRANSFER CASE JUMPER TO CENTER CHASSIS
(9750F)
((LOCATED AT TRANSFER CASE)

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K47	18	GY	1661875C1	3568570C1
B	K47A	18	GY	1661875C1	3568570C1

* MUTUALLY EXCLUSIVE

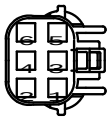
DC-DC CONV
(9752)
(LOCATED IN CHASSIS)



CONNECTOR 3545577C1
BODY LOCK 3545579C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N92DB	18	TN	1651969C1
2	PLUG	-	-	0453133C1
3	N92DA	18	TN	1651969C1
4	N11-GHF	18	WH	1651969C1

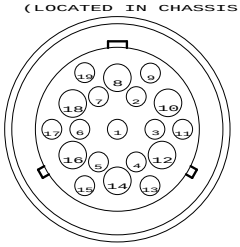
RESOLVER
(9753)
(LOCATED IN CHASSIS)



CONNECTOR 3665562C1
BODY LOCK 3665586C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N92RA	18	TN	3665563C1	3665564C1
2	N92RB	18	TN	3665563C1	3665564C1
3	N92RC	18	TN	3665563C1	3665564C1
4	N92RD	18	TN	3665563C1	3665564C1
5	N92RE	18	TN	3665563C1	3665564C1
6	N92RF	18	TN	3665563C1	3665564C1

PEC CONN
(9751)
(LOCATED IN CHASSIS)



CONNECTOR 3665410C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N98H(+)	18	YL	1680205C1
2	N98H(-)	18	GN	1680205C1
3	N92DE	18	TN	1680205C1
4	N92DC	18	TN	1680205C1
5	N92PJ	18	TN	1680205C1
6	N92PA	18	TN	1680205C1
7	N92PE	18	TN	1680205C1
8	PLUG	-	-	0453133C1
9	N92PC	18	TN	1680205C1
10	PLUG	-	-	0453133C1
11	N92PF	18	TN	1680205C1
12	N92HJ	12	TN	3557534C1
13	N92PD	18	TN	1680205C1
14*	N11-GHE	12	WH	3557534C1
14@	N11-GHG	12	WH	3557534C1
15	N92PG	18	TN	1680205C1
16	PLUG	-	-	0453133C1
17	N92PB	18	TN	1680205C1
18	PLUG	-	-	0453133C1
19	N92PH	18	TN	1680205C1

* W/ PTO
@ N/ PTO

CHK	DATE	CHANGE	REV	REFERENCE
0488	20NOV14	INITIAL RELEASE.	A	92674A

DRAWN 23123982 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 92674A | DATE 18OCT14 | PART NO. AE08079252 011 | SHEET

Figure 825 Connector Composites (9750F), (9751), (9752), (9753)

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14.12. CONNECTOR COMPOSITES (9753A), (9754), (9754B), (9754D), P. 12

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

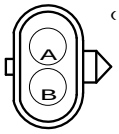
CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

TEMPERATURE SENSOR
(9753A)
(LOCATED IN CHASSIS)

CONNECTOR 3665561C1
BODY LOCK 3665585C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	N92TA	18	TN	3665563C1	3665564C1
2	N92TB	18	TN	3665563C1	3665564C1

XFER CASE SWITCH PIGTAIL
(9754)
(LOCATED AT TRANSFER CASE)

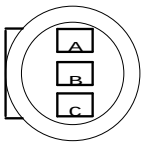


CONNECTOR 0587567C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N42	16	GY	0587577C1	1652325C1
B	N42-G	18	WH	0587578C1	1652325C1

W/ WORKSTAR

TRANSFER CASE SWITCH
(9754D)
(LOCATED AT TRANSFER CASE)

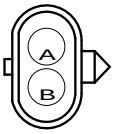


CONNECTOR 089000-CB

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N42	16	GY	0425058C1	089000-CB
B	-	-	-	-	-
C	N42-G	16	GY	0425058C1	089000-CB

W/ WORKSTAR

XFER CASE SWITCH PIGTAIL
(9754B)
(LOCATED AT TRANSFER CASE)



CONNECTOR 0587567C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N42	16	GY	0587577C1	1652325C1
B	N42-G	18	WH	0587578C1	1652325C1

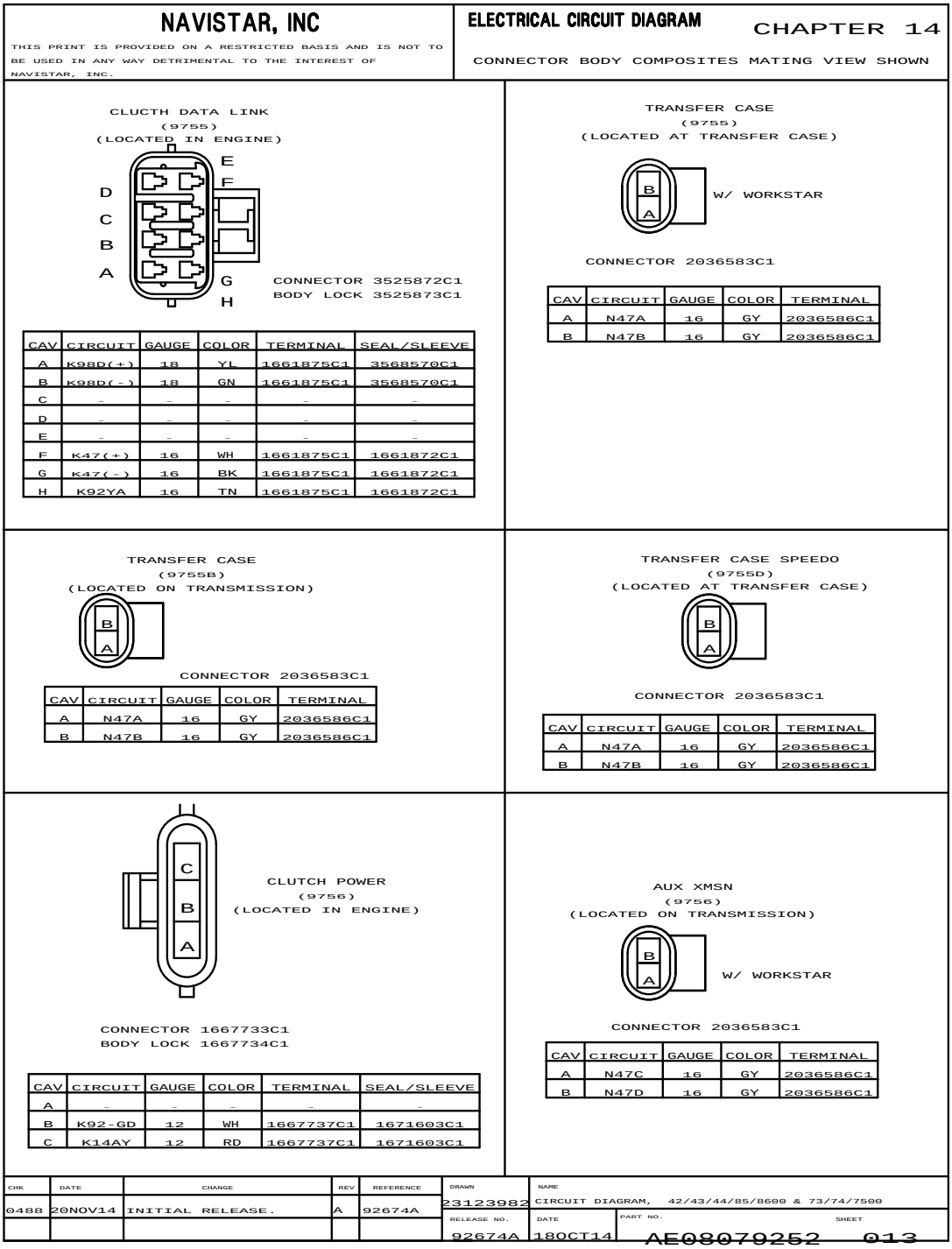
W/ WORKSTAR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	20NOV14	INITIAL RELEASE.	A	92674A	23123982	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92674A	DATE 18OCT14
						PART NO. AE08079252
						SHEET 012

Figure 826 Connector Composites (9753A), (9754), (9754B), (9754D)

https://truckmanualshub.com/

14.13. CONNECTOR COMPOSITES (9755), (9755B), (9755D), (9756), P. 13



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ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 14

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CLUCTH DATA LINK
(9755)
(LOCATED IN ENGINE)

CONNECTOR 3525872C1
BODY LOCK 3525873C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K98D(+)	18	YL	1661875C1	3568570C1
B	K98D(-)	18	GN	1661875C1	3568570C1
C	-	-	-	-	-
D	-	-	-	-	-
E	-	-	-	-	-
F	K47(+)	16	WH	1661875C1	1661872C1
G	K47(-)	16	BK	1661875C1	1661872C1
H	K92YA	16	TN	1661875C1	1661872C1

TRANSFER CASE
(9755)
(LOCATED AT TRANSFER CASE)

W/ WORKSTAR

CONNECTOR 2036583C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	N47A	16	GY	2036586C1
B	N47B	16	GY	2036586C1

TRANSFER CASE
(9755B)
(LOCATED ON TRANSMISSION)

CONNECTOR 2036583C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	N47A	16	GY	2036586C1
B	N47B	16	GY	2036586C1

TRANSFER CASE SPEEDO
(9755D)
(LOCATED AT TRANSFER CASE)

CONNECTOR 2036583C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	N47A	16	GY	2036586C1
B	N47B	16	GY	2036586C1

CLUTCH POWER
(9756)
(LOCATED IN ENGINE)

CONNECTOR 1667733C1
BODY LOCK 1667734C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	-	-	-	-	-
B	K92-GD	12	WH	1667737C1	1671603C1
C	K14AY	12	RD	1667737C1	1671603C1

AUX XMSN
(9756)
(LOCATED ON TRANSMISSION)

W/ WORKSTAR

CONNECTOR 2036583C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	N47C	16	GY	2036586C1
B	N47D	16	GY	2036586C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	20NOV14	INITIAL RELEASE.	A	92674A

DRAWN 23123982 — NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 92674A — DATE 18OCT14 — PART NO. AE08079252 — SHEET 013

Figure 827 Connector Composites (9755), (9755B), (9755D), (9756)

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14.14. CONNECTOR COMPOSITES (9758), (9759), (9760), P. 14

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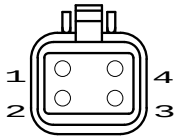
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

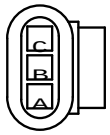
COOLANT PUMP
(9758)
(LOCATED IN CHASSIS)



CONNECTOR 3601743C1
BODY LOCK 3557539C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	0453133C1
2	N11-GHK	12	WH	3557534C1
3	N92HT	12	TN	3557534C1
4	N92HS	12	TN	3557534C1

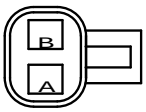
BUS TERMINATOR RESISTOR
(9759)
(LOCATED IN CHASSIS)



CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N98A(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	2025431C1	-
C	N98A(-)	18	GN	1661875C1	3568570C1

HEAT EXCHANGER
(9760)
(LOCATED IN CHASSIS)



CONNECTOR 1671610C1
BODY LOCK 1671608C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N92HH	14	TN	2033816C1	0589391C1
B	N11-GHJ	12	WH	2033816C1	0589391C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	20NOV14	INITIAL RELEASE.	A	92674A	23123982	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92674A	DATE 18OCT14
						PART NO. AE08079252
						SHEET 014

Figure 828 Connector Composites (9758), (9759), (9760)

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14.15. CONNECTOR COMPOSITES (9761F), (9762), (9763), (9764), P. 15

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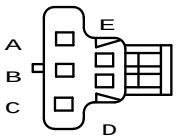
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

LIFT AXLE
(9761F)
(LOCATED AT LIFT AXLE BEHIND CAB)



W/ WORKSTAR

CONNECTOR 3522252C1
BODY LOCK 3522253C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	N59ED	18	GY	1667742C1	1661872C1
A*	N59EC	18	GY	1667742C1	1661872C1
A*	N59EF	18	GY	1667742C1	1661872C1
B*	N59ED	18	GY	1667742C1	1661872C1
B*	N59EF	18	GY	1667742C1	1661872C1
C	N59ED	18	GY	1667742C1	1661872C1
D	-	-	-	-	-
E	N71N	16	OR	1667742C1	1661872C1

* MUTUALLY EXCLUSIVE

FIRST PUSHER LIFT AXLE
(9762)
(LOCATED AT PUSHER AXLE NEAR REAR AXLE)

W/ WORKSTAR

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59EF	18	GY	1661875C1	1661872C1
B*	N59-GC	18	WH	1661875C1	1661872C1
B*	N59-GA	18	WH	1661875C1	1661872C1

* MUTUALLY EXCLUSIVE

SECOND PUSHER LIFT AXLE SOLENOID
(9763)
(LOCATED AT SECOND PUSHER
AXLE BETWEEN CAB AND REAR)

W/ WORKSTAR

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV
A	N59EC	18	GY	1661875C1	1661872C1
B*	N59-GB	18	WH	1661875C1	1661872C1
B#	N59-GA	18	WH	1661875C1	1661872C1

* MUTUALLY EXCLUSIVE
\# W/2 STEERABLE PUSHERS

THIRD PUSHER AXLE
(9764)
(LOCATED AT SECOND PUSHER
AXLE BETWEEN CAB AND REAR)

W/ WORKSTAR

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59ED	18	GY	1661875C1	1661872C1
B	N59-GD	18	WH	1661875C1	1661872C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	20NOV14	INITIAL RELEASE.	A	92674A

DRAWN 23123982 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 92674A | DATE 18OCT14 | PART NO. AE08079252 | SHEET 015

Figure 829 Connector Composites (9761F), (9762), (9763), (9764)

https://truckmanualshub.com/

14.16. CONNECTOR COMPOSITES (9765), (9766), (9767), (9775F), (9776F), P. 16

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

FOURTH PUSHER AXLE
(9765)
(LOCATED AT FOURTH PUSHER AXLE BETWEEN CAB AND REAR)

CONNECTOR 1661778C1
BODY LOCK 1661874C1

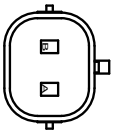
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV
A	N59EB	18	GY	1661875C1	1661872C1
B	N59-GE	18	WH	1661875C1	1661872C1

WORK LIGHT
(9766)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)

W/ WORKSTAR

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N65	16	OR	1661875C1	1661872C1
B	N65-G	16	WH	1661875C1	1661872C1



WORK LIGHT (9766)
(LOCATED BETWEEN CENTER CHASSIS AND REAR CHASSIS)

CONNECTOR 3543888C1
BODY LOCK 1661874C1

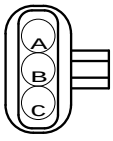
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R65	16	OR	1667742C1	1661872C1
B	R65-G	16	WH	1667742C1	1661872C1

WORK LIGHT
(9767)
(LOCATED BETWEEN CENTER CHASSIS AND REAR CHASSIS

CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRC	GA	COLOR	TERMINAL	SEAL/SLV
A	R65	16	OR	1661875C1	1661872C1
B	R65-G	16	WH	1661875C1	1661872C1

LOAD INDICATOR TO CENTER CHASSIS
(9775F)
(LOCATED BETWEEN CENTER CHASSIS AND REAR CHASSIS



CONNECTOR 1667740C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A*	R9M	18	GY	1667742C1	1661872C1
A%	R9N	18	GY	1667742C1	1661872C1
B*	R6H	18	GY	1667742C1	1661872C1
B%	R6J	18	GY	1667742C1	1661872C1
C*	R61C	18	GY	1667742C1	1661872C1
C%	R61D	18	GY	1667742C1	1661872C1

% W/ REAR LOAD INDICATOR(6X4)
* W/ LOAD INDICATOR (4X2)

TRANSFER CASE JUMPER TO CENTER CHASSIS
(9776F)
(LOCATED AT TRANSFER CASE)

CONNECTOR 3537133C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R10B	8	WH	3700153C1	3537135C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	20NOV14	INITIAL RELEASE.	A	92674A

DRAWN 23123982
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92674A
DATE 18OCT14
PART NO. AE08079252
SHEET 016

Figure 830 Connector Composites (9765), (9766), (9767), (9775F), (9776F)

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14.17. CONNECTOR COMPOSITES (9777), (9777A), (9777E), (9777M), P. 17

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

SAHR
(9777)
(LOCATED IN FRONT OF REAR AXLE LEFT SIDE)

CONNECTOR 1667741C1
BODY LOCK 166771C1

CAV	CIRC	GA	COLOR	TERMINAL	SEAL/SLV
A	N90D	16	GY	1661875C1	1661872C1
B	N94-GE	18	WH	1661875C1	1661872C1
C	N44D	18	GY	1661875C1	3568570C1

SAAR SOLENOID
(9777A)
(LOCATED IN FRONT OF REAR AXLE LEFT SIDE)

CONNECTOR 3522068C1
BODY LOCK 1661874C1

CAV	CIRC	GA	COLOR	TERMINAL	SEAL/SLV
A	N44C	18	GY	1661875C1	3568570C1
B	N90D-G	16	WH	1661875C1	1661872C1

FUEL HEATER
(9777E)
(LOCATED ON RIGHT SIDE OF FUEL TANK)

W/ DURASTAR

CONNECTOR 1673790C1
BODY LOCK 1673791C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	M39B	16	GY	2033819C1	1652325C1
B	M39-GB	16	WH	2033819C1	1652325C1

SAAR
(9777M)
(LOCATED IN FRONT OF REAR AXLE LEFT SIDE)

CONNECTOR 1667741C1
BODY LOCK 166771C1

CAV	CIRC	GA	COLOR	TERMINAL	SEAL/SLV
A	N44N	18	GY	1661875C1	1661872C1
B	N44-GB	18	WH	1661875C1	1661872C1
C	N44M	18	GY	1661875C1	1661872C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	20NOV14	INITIAL RELEASE.	A	92674A

DRAWN 23123982 NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92674A DATE 18OCT14 PART NO. AE08079252 SHEET 017

Figure 831 Connector Composites (9777), (9777A), (9777E), (9777M)

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14.18. CONNECTOR COMPOSITES (9778), (9778F), (9778F1), P. 18

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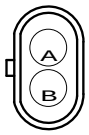
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

REMOTE START / STOP
(9778)
(LOCATED BACK OF CAB FOR TRAILER SOCKET INTERCONNECT)



CONNECTOR 0587567C91

CAV	CIRC	GA	COLOR	TERMINAL	SEAL/SLV
A	N59CA	16	GY	0587575C1	1652325C1
B	N104CA	16	DKBL	0587575C1	1652325C1

GREEN ABS TRAILER SOCKET GND
(9778F)
(LOCATED AT BACK OF CAB FOR TRAILER SOCKET INTERCONNECT)

CONNECTOR 3537133C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	N10B	8	WH	3700153C1	3537135C1
A*	N10E	8	WH	3700153C1	3537135C1
A*	N10F	8	WH	3700153C1	3537135C1
A*	N10G	8	WH	3700153C1	3537135C1

* MUTUALLY EXCLUSIVE

TRAILER SOCKET GND
(9778F)
(LOCATED AT BACK OF CAB FOR TRAILER SOCKET INTERCONNECT)

CONNECTOR 3517817C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R10A	8	WH	3517818C1	N/A

TRAILER SOCKET GND
(9778F1)
(LOCATED AT BACK OF CAB FOR TRAILER SOCKET INTERCONNECT)

CONNECTOR 3537133C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R10A	8	WH	3700153C1	3537135C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	20NOV14	INITIAL RELEASE.	A	92674A	23123982	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92674A	DATE 18OCT14
						PART NO. AE08079252
						SHEET 018

Figure 832 Connector Composites (9778), (9778F), (9778F1)

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14.19. CONNECTOR COMPOSITES (9779F), (9779F1), P. 19

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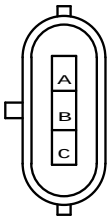
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

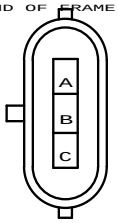
TRAILER SOCKET #2
(9779F)
(LOCATED AT BACK OF
CAB FOR TRAILER SOCKET INTERCONNECT)



CONNECTOR 1667732C1
BODY LOCK 1667734C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R58A	10	BK	2025425C1	1667735C1
B	R56A	10	YL	2025425C1	1667735C1
C	R57A	10	LTGN	2025425C1	1667735C1

GREEN ABS TRAILER SOCKET 2
(9779F)
(LOCATED AT END OF FRAME NEAR REAR AXLES)

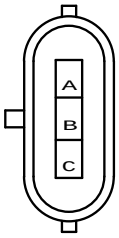


CONNECTOR 1667732C1
BODY LOCK 1667734C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A#	N54B	10	BN	2025425C1	1667735C1
A@	N54E	10	BN	2025425C1	1667735C1
A*	N54T	10	BN	2025425C1	1667735C1
A##	N54D	10	BN	2025425C1	1667735C1
B#	N56B	10	YL	2025425C1	1667735C1
B@	N56E	10	YL	2025425C1	1667735C1
B*	N56T	10	YL	2025425C1	1667735C1
B##	N56D	10	YL	2025425C1	1667735C1
C#	N57B	10	LTGN	2025425C1	1667735C1
C@	N57E	10	LTGN	2025425C1	1667735C1
C*	N57T	10	LTGN	2025425C1	1667735C1
C##	N57D	10	LTGN	2025425C1	1667735C1

* W/ TRAILER SOCKET - BOC
# W/ TRAILER & AUX SOCKET - BOC
W/ TRAILER & AUX ISO SOCKET - BOC
@ W/ TRAILER SOCKET - BOC &
BODY BUILDER EOF

TRAILER SOCKET 2
(9779F1)
(LOCATED BACK OF CAB FOR
TRAILER SOCKET INTERCONNECT)



CONNECTOR 1667732C1
BODY LOCK 1667734C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R58A	10	BK	2025425C1	1667735C1
B	R56A	10	YL	2025425C1	1667735C1
C	R57A	10	LTGN	2025425C1	1667735C1

CHK	DATE	CHANGE	REV.	REFERENCE	DRAWN	NAME
0488	20NOV14	INITIAL RELEASE.	A	92674A	23123982	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92674A	DATE 18OCT14
					PART NO. AE08079252	SHEET 019

Figure 833 Connector Composites (9779F), (9779F1)

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14.20. CONNECTOR COMPOSITES (9780M), (9780M1), P. 20

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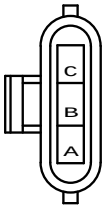
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 14

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

GREEN ABS TRAILER SOCKET #1
(9780M)
(LOCATED BACK OF CAB FOR
TRAILER SOCKET INTERCONNECT)

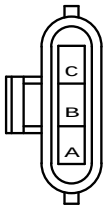


CONNECTOR 1667733C1
BODY LOCK 1667734C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A#	N70B	10	RD	1667737C1	1667735C1
A@	N70E	10	RD	1667737C1	1667735C1
A*	N70T	10	RD	1667737C1	1667735C1
A##	N70D	10	RD	1667737C1	1667735C1
B#	N68B	10	BN	1667737C1	1667735C1
B@	N68E	10	BN	1667737C1	1667735C1
B*	N68T	10	BN	1667737C1	1667735C1
B##	N68D	10	BN	1667737C1	1667735C1
C@	N94E	10	GY	1667737C1	1667735C1
C*	N94T	10	GY	1667737C1	1667735C1
C#	N94T	10	GY	1667737C1	1667735C1
C##	N72V	10	DK BL	1667737C1	1667735C1

* W/ TRAILER SOCKET - BOC
\# W/ TRAILER & AUX SOCKET - BOC
\## W/ TRAILER & AUX SOCKET - BOC
@ W/ TRAILER SOCKET - BOC &
BODY BUILDER EOF

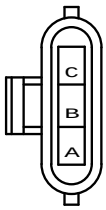
GREEN ABS TRAILER SOCKET 1
(9780M)
(LOCATED BACK OF CAB FOR
TRAILER SOCKET INTERCONNECT)



CONNECTOR 1667733C1
BODY LOCK 1667734C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R70A	10	RD	1667737C1	1667735C1
B	R68A	10	BN	1667737C1	1667735C1
C	R94A	10	DKBL	1667737C1	1667735C1

TRAILER SOCKET 1
(9780M1)
(LOCATED BACK OF CAB FOR
TRAILER SOCKET INTERCONNECT)



CONNECTOR 1667733C1
BODY LOCK 1667734C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R70A	10	RD	1667737C1	1667735C1
B	R68A	10	BN	1667737C1	1667735C1
C	R94A	10	DKBL	1667737C1	1667735C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	20NOV14	INITIAL RELEASE.	A	92674A	23123982	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92674A	DATE 18OCT14
						PART NO. AE08079252
						SHEET 020

Figure 834 Connector Composites (9780M), (9780M1)

https://truckmanualshub.com/

14.21. CONNECTOR COMPOSITES (9781M), (9782F), (9782M), P. 21

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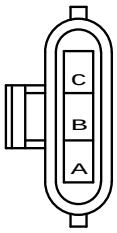
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 14

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

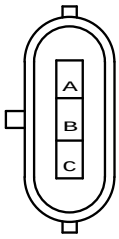
BLACK AUX TRAILER SOCKET #1
(9781M)
(LOCATED BACK OF CAB FOR AUX TRAILER SOCKET INTERCONNECT)



CONNECTOR 1667733C1
BODY LOCK 1667734C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N70C	10	RD	1667737C1	1667735C1
B	N68C	10	BN	1667737C1	1667735C1
C	N72	12	OR	1667737C1	1671603C1

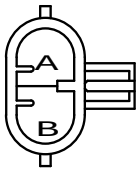
BLACK AUX TRAILER SOCKET #2
(9782F)
(LOCATED BACK OF CAB FOR AUX TRAILER SOCKET INTERCONNECT)



CONNECTOR 1667732C1
BODY LOCK 1667734C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N54C	10	BN	2025425C1	1667735C1
B	N56C	10	YL	2025425C1	1667735C1
C	N57C	10	LTGN	2025425C1	1667735C1

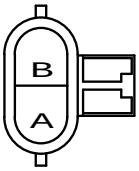
ISO TRAILER SOCKET
(9782F)
(LOCATED BACK OF CAB FOR TRAILER SOCKET INTERCONNECT)



CONNECTOR 2031520C1
BODY LOCK 2033927C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R94T	10	DKBL	2025423C1	2025427C1
B	R94TA	12	YL	2025422C1	2025422C1

ISO TRAILER SOCKET
(9782M)
(LOCATED BACK OF CAB FOR TRAILER SOCKET INTERCONNECT)



CONNECTOR 2031522C1
BODY LOCK 2033927C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R94T	10	DKBL	2031531C1	2025427C1
B	R94TA	12	YL	2031531C1	2025428C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	20NOV14	INITIAL RELEASE.	A	92674A	23123982	CIRCUIT DIAGRAM,
					RELEASE NO. 92674A / DATE 18OCT14 / PART NO. AE08079252	SHEET 021

Figure 835 Connector Composites (9781M), (9782F), (9782M)

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14.22. CONNECTOR COMPOSITES (9783), (9783F), (9783M), (9784M), (9785M), P. 22

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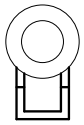
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

TRAILER AUX POWER
(9783)
(LOCATED AT END OF FRAME NEAR REAR AXLES)



CONNECTOR 1669834C1
BOBY LOCK 1675033C1

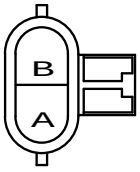
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R72	10	LTGN	1687848C1	0589390C1

BLACK ABS TRLR SOCKET GND
(9783F)
(LOCATED AT END OF FRAME NEAR REAR AXLES)

CONNECTOR 3537133C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N10C	8	WH	3700153C1	3537135C1
A	N10-GP	8	WH	3700153C1	3537135C1

BLACK ABS TRLR SOCKET GND
(9783M)
(LOCATED AT END OF FRAME NEAR REAR AXLES)

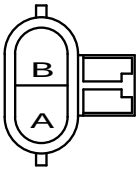


W/ TRANSTAR

CONNECTOR 2031522C1
BODY LOCK 2033927C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N94T	10	DKBL	2031531C1	2025427C1
B	N94TA	12	YL	2031531C1	2025428C1

BLACK ABS TRLR SOCKET GND
(9784M)
(LOCATED AT END OF FRAME NEAR REAR AXLES)

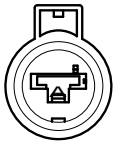


W/ TRANSTAR

CONNECTOR 2031522C1
BODY LOCK 2033927C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N72V	10	DKBL	2031531C1	2025427C1
B	PLUG	-	-	-	-

HYD BRAKE REDUNDANT PWR CONN WITH IP
(9785M)
(LOCATED IN CHASSIS)



CONNECTOR 3700151C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
A	N10	8	RD	3700154C1	3537135C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	20NOV14	INITIAL RELEASE.	A	92674A	23123982	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92674A	DATE 18OCT14
					PART NO. AE08079252	SHEET 022

Figure 836 Connector Composites (9783), (9783F), (9783M), (9784M), (9785M)

https://truckmanualshub.com/

14.23. CONNECTOR COMPOSITES (9800), P. 23

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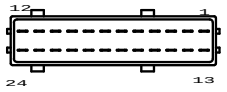
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CONNECTION TO CENTER HARNESS (9800) (LOCATED ON LEFT FRAME RAIL BEHIND CAB)



CONNECTOR 3558022C1
BODY LOCK 3558056C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	R71	14	OR	3559037C1	3575783C1
2	R56	14	OR	3559037C1	3575783C1
3	R57	14	OR	3559037C1	3575783C1
4	R68	14	BN	3559037C1	3575783C1
5*	R32A	18	TN	3559036C1	3509903C1
5*	R36	18	TN	3559036C1	3509903C1
5*	R68	18	BN	3559036C1	3509903C1
6*	R70	14	OR	3559037C1	3575783C1
6*	R32	18	TN	3559036C1	3509903C1
6*	R70	18	OR	3559036C1	3509903C1
7*	R49	18	GY	3559036C1	3509903C1
7*	R49	18	WH	3559036C1	3509903C1
8*	R49A	18	GY	3559036C1	3509903C1
8*	R49A	18	WH	3559036C1	3509903C1
9*	R49-GA	18	WH	3559036C1	3509903C1
9*	R10-GB	18	WH	3559036C1	3509903C1
10	R9D	18	GY	3559036C1	3509903C1
11*	R9C	18	GY	3559036C1	3509903C1
11*	R9B	18	GY	3559036C1	3509903C1
12*	R11-GTL	12	WH	3559037C1	3575783C1
12*	R10-G	12	WH	3559037C1	3575783C1
13*	R94R	16	GY	3559037C1	3509903C1
13*	R94A	16	GY	3559037C1	3509903C1
13*	R94M	16	GY	3559037C1	3509903C1
13*	R94BR	16	GY	3559037C1	3509903C1
13*	[R94M]	18	BK	3559036C1	3509903C1
13*	[R94WL]	18	BK	3559036C1	3509903C1
13*	[R94J]	18	BK	3559036C1	3509903C1
14*	R94S	16	OR	3559037C1	3509903C1
14*	R94B	16	OR	3559037C1	3509903C1
14*	R94N	16	OR	3559037C1	3509903C1
14*	R94BQ	16	OR	3559037C1	3509903C1
14*	[R94N]	18	BN	3559036C1	3509903C1
14*	[R94WM]	18	BN	3559036C1	3509903C1
14*	[R94K]	18	BN	3559036C1	3509903C1
15*	R94W	16	DKBL	3559037C1	3509903C1
15*	R94C	16	DKBL	3559037C1	3509903C1
15*	R94PP	16	DKBL	3559037C1	3509903C1
15*	R94BW	16	DKBL	3559037C1	3509903C1
15*	[R94P]	18	BK	3559036C1	3509903C1
15*	[R94WS]	18	BK	3559036C1	3509903C1
15*	[R94T]	18	BK	3559036C1	3509903C1
16*	R94X	16	YL	3559037C1	3509903C1
16*	R94D	16	YL	3559037C1	3509903C1
16*	R94RR	16	YL	3559037C1	3509903C1
16*	R94BV	16	YL	3559037C1	3509903C1
16*	[RR94R]	18	BN	3559036C1	3509903C1
16*	[R94WT]	18	BN	3559036C1	3509903C1
16*	[R94U]	18	BN	3559036C1	3509903C1
17*	R94LA	16	GY	3559037C1	3509903C1
17*	R94M	16	BK	3559037C1	3509903C1
17*	R94E	16	BK	3559037C1	3509903C1
17*	R94SS	16	BK	3559037C1	3509903C1
17*	R94BZ	16	BK	3559037C1	3509903C1
17*	[R94WN]	18	BL	3559036C1	3509903C1
17*	[R94L]	18	BL	3559036C1	3509903C1
17#	R94WNR	12	GY	3559037C1	3575783C1
18*	R94LB	16	GY	3559037C1	3509903C1
18*	R94N	16	RD	3559037C1	3509903C1
18*	R94F	16	RD	3559037C1	3509903C1
18*	R94TT	16	RD	3559037C1	3509903C1
18*	R94BY	16	RD	3559037C1	3509903C1
18*	[R94G7]	18	GN	3559036C1	3509903C1
18*	[R94G8]	18	GN	3559036C1	3509903C1
18#	R94G7R	12	GY	3559037C1	3575783C1
19*	R94LC	16	GY	3559037C1	3509903C1
19*	R94P	16	BN	3559037C1	3509903C1
19*	R94H	16	BN	3559037C1	3509903C1
19*	R94UU	16	BN	3559037C1	3509903C1
19*	R94BP	16	BN	3559037C1	3509903C1
19*	[R94WR]	18	BN	3559036C1	3509903C1
19*	[R94M]	18	BN	3559036C1	3509903C1
19#	R94WRR	12	GY	3559037C1	3575783C1
20*	R94RJ	16	GY	3559037C1	3509903C1
20*	R94T	16	PL	3559037C1	3509903C1
20*	R94J	16	PL	3559037C1	3509903C1
20*	R94VV	16	PL	3559037C1	3509903C1
20*	R94BS	16	PL	3559037C1	3509903C1
20*	[R94WU]	18	BL	3559036C1	3509903C1
20*	[R94P]	18	BL	3559036C1	3509903C1
20#	R94WUR	12	GY	3559037C1	3575783C1
21*	R94RK	16	GY	3559037C1	3509903C1
21*	R94U	16	LTGN	3559037C1	3509903C1
21*	R94K	16	LTGN	3559037C1	3509903C1
21*	R94W	16	LTGN	3559037C1	3509903C1
21*	R94BT	16	LTGN	3559037C1	3509903C1
21*	[R94G6]	18	GN	3559036C1	3509903C1
21*	[R94G9]	18	GN	3559036C1	3509903C1
22*	R94RL	16	GY	3559037C1	3509903C1
21#	R94G6R	12	GY	3559037C1	3575783C1
22*	R94V	16	LTBL	3559037C1	3509903C1
22*	R94L	16	LTBL	3559037C1	3509903C1
22*	R94X	16	LTBL	3559037C1	3509903C1
22*	R94BU	16	LTBL	3559037C1	3509903C1
22*	[R94WW]	18	BN	3559036C1	3509903C1
22*	[R94S]	18	BN	3559036C1	3509903C1
22#	R94WWR	12	GY	3559037C1	3575783C1
23*	R94BD	16	BN	3559037C1	3509903C1
23*	[R94WX]	18	BN	3559036C1	3509903C1
24*	R94BE	16	YL	3559037C1	3509903C1
24*	[R94WZ]	18	BL	3559036C1	3509903C1

W/ WABCO AIR ABS

* MUTUALLY EXCLUSIVE

CHK	DATE	CHANGE	REV.	REFERENCE
0488	24MAR15	REVISED AND REDRAWN.	B	92927M

DRAWN 23123982 | NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500

RELEASE NO. 92674A | DATE 18OCT14 | PART NO. AE08079252 | SHEET 023

Figure 837 Connector Composites (9800)

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14.24. CONNECTOR COMPOSITES (9800), P. 24

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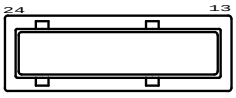
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

CONNECTION TO REAR
CHASSIS HARNESS
(9800)
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)



CONNECTOR 3558026C1
BODY LOCK 3558056C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
1	N71A	14	OR	3559035C1	3575783C1
1*	N71D	14	OR	3559035C1	3575783C1
1*	N71	14	OR	3559035C1	3575783C1
2	N56	14	OR	3559035C1	3575783C1
3	N57	14	OR	3559035C1	3575783C1
4	N68	14	BN	3559035C1	3575783C1
5#	N32A	18	TN	3509874C1	3509903C1
5*	N36A	18	TN	3509874C1	3509903C1
6*	N32	18	TN	3509874C1	3509903C1
6*	N70	14	OR	3553035C1	3575783C1
7#	N49	18	GY	3509874C1	3509903C1
8*#	N49A	18	GY	3509874C1	3509903C1
8*@	N49A	18	GY	3509874C1	3532128C1
9	N49-G	18	WH	3509874C1	3509903C1
10	PLUG	-	-	3532129C1	-
11*	N9F	18	GY	3509874C1	3509903C1
11*#	N9H	18	GY	3509874C1	3509903C1
12	N10-G	12	WH	3559035C1	3575783C1
13*	N94BE	16	GY	3559035C1	3509903C1
13*#	N94WL	16	GY	3559035C1	3509903C1
13*@	N94M(+)	18	GY	3509874C1	3532128C1
13*	N94LEA	16	GY	3553035C1	3575783C1
14*	N94BD	16	GY	3559035C1	3509903C1
14*#	N94WM	16	GY	3559035C1	3509903C1
14*@	N94M(-)	18	GY	3509874C1	3532128C1
14*	N94LDA	16	GY	3553035C1	3509903C1
15*	N94BH	16	GY	3559035C1	3509903C1
15*#	N94WS	14	GY	3559035C1	3575783C1
15*@	N94N(+)	18	GY	3509874C1	3532128C1
15*	N94RHA	16	GY	3553035C1	3509903C1
15&	N94N(+)	18	TN	3559035C1	3509903C1
16*	N94BF	16	GY	3559035C1	3509903C1
16*#	N94WT	14	GY	3559035C1	3575783C1
16*@	N94N(-)	18	GY	3509874C1	3532128C1
16*	N94RFA	16	GY	3559035C1	3509903C1
17*	N94BA	16	GY	3559035C1	3509903C1
17*#	N94WN	16	GY	3559035C1	3509903C1
17*	N94LAA	16	GY	3559035C1	3509903C1
17*	N94WNR	12	GY	3559035C1	3575783C1
18*	N94BB	16	GY	3559035C1	3509903C1
18*#	N94-G7	16	WH	3559035C1	3509903C1
18%	N94G7R	12	GY	3559035C1	3575783C1
18*	N94LBA	16	GY	3559035C1	3509903C1
19*	N94BC	16	GY	3559035C1	3509903C1
19*#	N94WR	16	GY	3559035C1	3509903C1
19%	N94WRR	12	GY	3559035C1	3575783C1

CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
19*	N94LCA	16	GY	3559035C1	3509903C1
20*	N94BJ	16	GY	3559035C1	3509903C1
20*#	N94WU	16	GY	3559035C1	3509903C1
20%	N94WUR	12	GY	3559035C1	3575783C1
20*	N94RJA	16	GY	3559035C1	3509903C1
21*	N94BK	16	GY	3559035C1	3509903C1
21*#	N94-G6	16	WH	3559035C1	3509903C1
21%	N94G6R	12	GY	3559035C1	3575783C1
21*	N94RKA	16	GY	3559035C1	3509903C1
22*	N94BL	16	GY	3559035C1	3509903C1
22#	N94WW	16	GY	3559035C1	3509903C1
22%	N94WWR	12	GY	3559035C1	3575783C1
22*	N94RLA	16	GY	3559035C1	3509903C1
23*	N94BN	16	GY	3559035C1	3509903C1
23#	N94WX	18	GY	3509874C1	3509903C1
24*	N94BM	16	GY	3559035C1	3509903C1
24#	N94WZ	18	GY	3509874C1	3509903C1

* MUTUALLY EXCLUSIVE
\# W/ IBB ENGINE
@ W/ CUMMINS ISB ENGINE
% W/ WABCO AIR ABS

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
0488	24MAR15	INITIAL RELEASE.	A	92927M	23136977	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 92927M	DATE 28JAN15
						PART NO. AE08079252
						SHEET 024

Figure 838 Connector Composites (9800)

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14.25. CONNECTOR COMPOSITES (9801), (9801A), (9801B), (9803), (9809), P. 24A

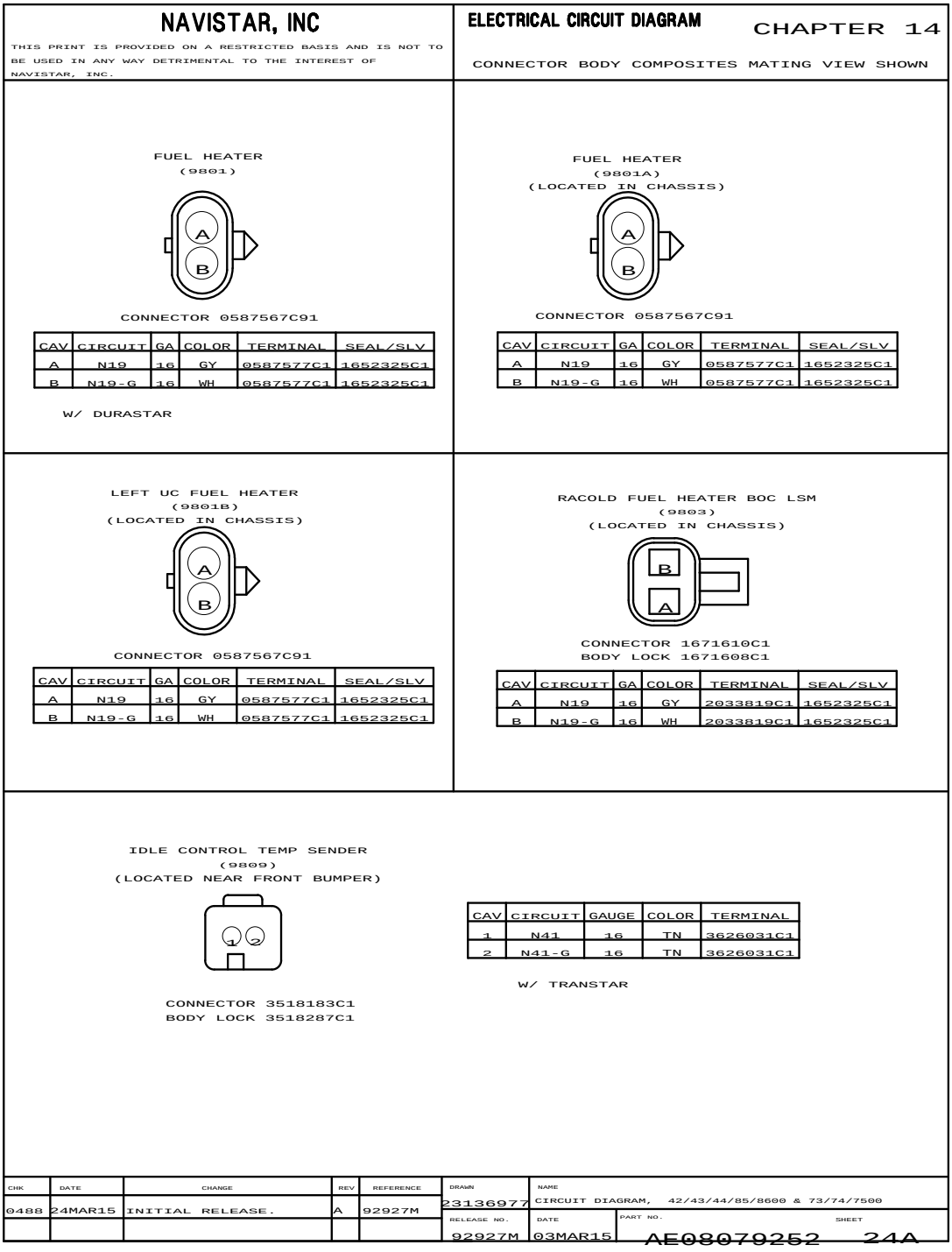

Figure 839 (9801), (9801A), (9801B), (9803), (9809)

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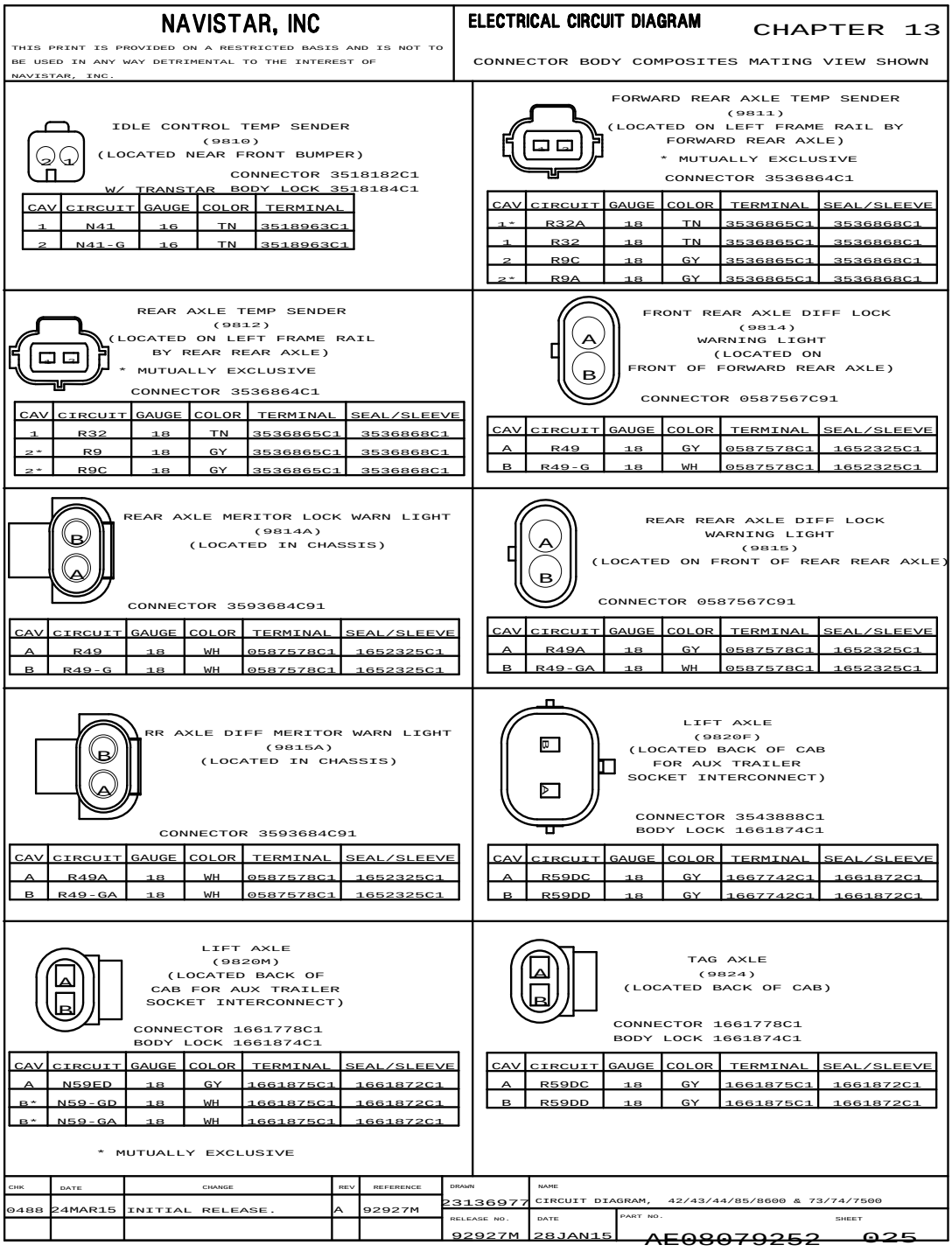
14.26. CONNECTOR COMPOSITES (9810), (9811), (9812), (9814), (9814A), (9815), (9815A), (9820F), (9820M), (9824), P. 25



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ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

IDLE CONTROL TEMP SENDER (9810)
(LOCATED NEAR FRONT BUMPER)
CONNECTOR 3518182C1
W/ TRANSTAR BODY LOCK 3518184C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	N41	16	TN	3518963C1
2	N41-G	16	TN	3518963C1

FORWARD REAR AXLE TEMP SENDER (9811)
(LOCATED ON LEFT FRAME RAIL BY FORWARD REAR AXLE)
* MUTUALLY EXCLUSIVE
CONNECTOR 3536864C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1*	R32A	18	TN	3536865C1	3536868C1
1	R32	18	TN	3536865C1	3536868C1
2	R9C	18	GY	3536865C1	3536868C1
2*	R9A	18	GY	3536865C1	3536868C1

REAR AXLE TEMP SENDER (9812)
(LOCATED ON LEFT FRAME RAIL BY REAR REAR AXLE)
* MUTUALLY EXCLUSIVE
CONNECTOR 3536864C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	R32	18	TN	3536865C1	3536868C1
2*	R9	18	GY	3536865C1	3536868C1
2*	R9C	18	GY	3536865C1	3536868C1

FRONT REAR AXLE DIFF LOCK (9814)
WARNING LIGHT (LOCATED ON FRONT OF FORWARD REAR AXLE)
CONNECTOR 0587567C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R49	18	GY	0587578C1	1652325C1
B	R49-G	18	WH	0587578C1	1652325C1

REAR AXLE MERITOR LOCK WARN LIGHT (9814A)
(LOCATED IN CHASSIS)
CONNECTOR 3593684C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R49	18	WH	0587578C1	1652325C1
B	R49-G	18	WH	0587578C1	1652325C1

REAR REAR AXLE DIFF LOCK WARNING LIGHT (9815)
(LOCATED ON FRONT OF REAR REAR AXLE)
CONNECTOR 0587567C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R49A	18	GY	0587578C1	1652325C1
B	R49-GA	18	WH	0587578C1	1652325C1

RR AXLE DIFF MERITOR WARN LIGHT (9815A)
(LOCATED IN CHASSIS)
CONNECTOR 3593684C91

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R49A	18	WH	0587578C1	1652325C1
B	R49-GA	18	WH	0587578C1	1652325C1

LIFT AXLE (9820F)
(LOCATED BACK OF CAB FOR AUX TRAILER SOCKET INTERCONNECT)
CONNECTOR 3543888C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R59DC	18	GY	1667742C1	1661872C1
B	R59DD	18	GY	1667742C1	1661872C1

LIFT AXLE (9820M)
(LOCATED BACK OF CAB FOR AUX TRAILER SOCKET INTERCONNECT)
CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59ED	18	GY	1661875C1	1661872C1
B*	N59-GD	18	WH	1661875C1	1661872C1
B*	N59-GA	18	WH	1661875C1	1661872C1

* MUTUALLY EXCLUSIVE

TAG AXLE (9824)
(LOCATED BACK OF CAB)
CONNECTOR 1661778C1
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R59DC	18	GY	1661875C1	1661872C1
B	R59DD	18	GY	1661875C1	1661872C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	24MAR15	INITIAL RELEASE.	A	92927M

DRAWN 23136977
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92927M
DATE 28JAN15
PART NO. AE08079252
SHEET 025

Figure 840 Connector Composites (9810), (9811), (9812), (9814), (9814A), (9815), (9815A), (9820F), (9820M), (9824)

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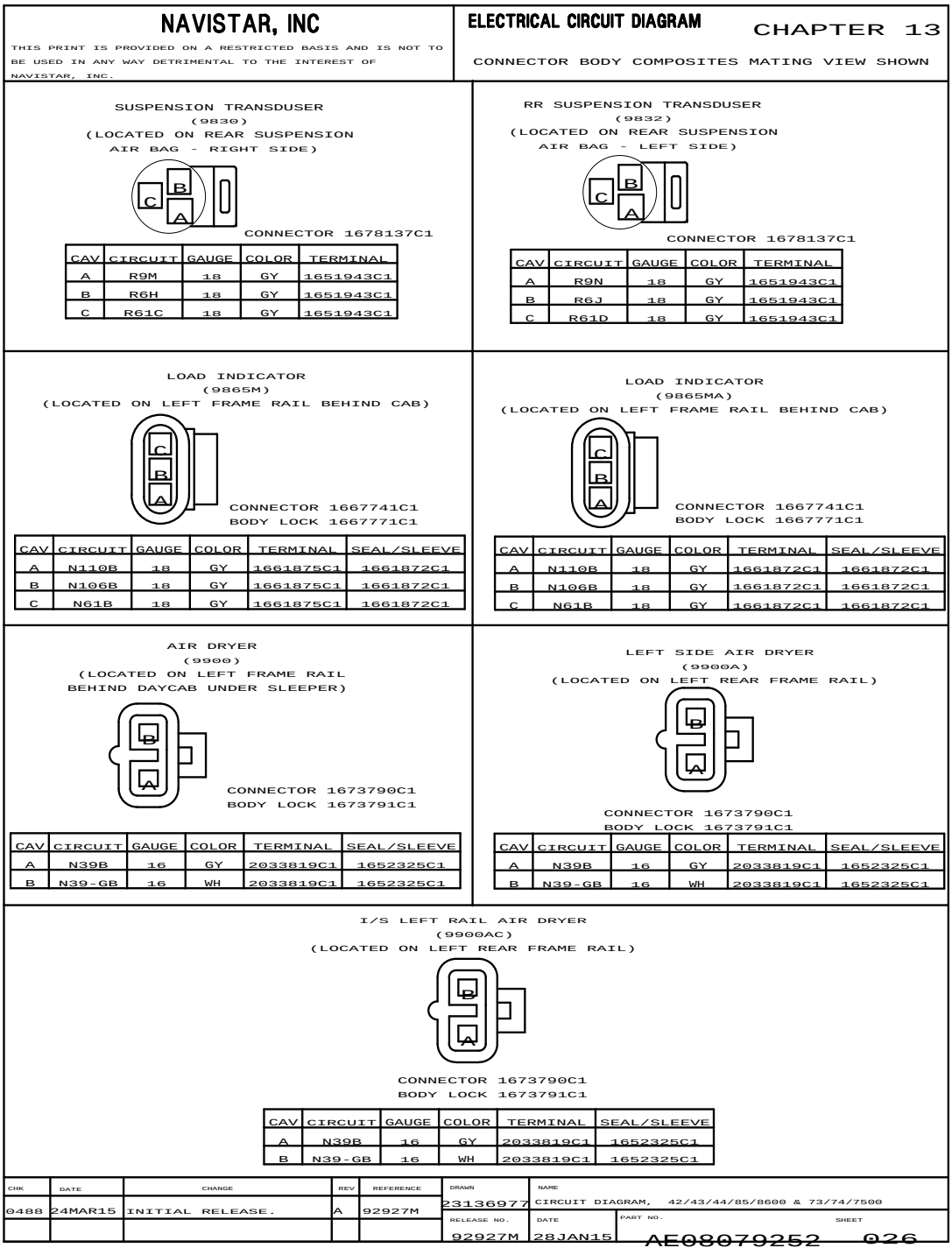
14.27. CONNECTOR COMPOSITES (9830), (9832), (9865M), (9865MA), (9900), (9900A), (9900AC), P. 26



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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

SUSPENSION TRANSDUSER (9830) (LOCATED ON REAR SUSPENSION AIR BAG - RIGHT SIDE)

CONNECTOR 1678137C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	R9M	18	GY	1651943C1
B	R6H	18	GY	1651943C1
C	R61C	18	GY	1651943C1

RR SUSPENSION TRANSDUSER (9832) (LOCATED ON REAR SUSPENSION AIR BAG - LEFT SIDE)

CONNECTOR 1678137C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	R9N	18	GY	1651943C1
B	R6J	18	GY	1651943C1
C	R61D	18	GY	1651943C1

LOAD INDICATOR (9865M) (LOCATED ON LEFT FRAME RAIL BEHIND CAB)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N110B	18	GY	1661875C1	1661872C1
B	N106B	18	GY	1661875C1	1661872C1
C	N61B	18	GY	1661875C1	1661872C1

LOAD INDICATOR (9865MA) (LOCATED ON LEFT FRAME RAIL BEHIND CAB)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N110B	18	GY	1661872C1	1661872C1
B	N106B	18	GY	1661872C1	1661872C1
C	N61B	18	GY	1661872C1	1661872C1

AIR DRYER (9900) (LOCATED ON LEFT FRAME RAIL BEHIND DAYCAB UNDER SLEEPER)

CONNECTOR 1673790C1
BODY LOCK 1673791C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N39B	16	GY	2033819C1	1652325C1
B	N39-GB	16	WH	2033819C1	1652325C1

LEFT SIDE AIR DRYER (9900A) (LOCATED ON LEFT REAR FRAME RAIL)

CONNECTOR 1673790C1
BODY LOCK 1673791C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N39B	16	GY	2033819C1	1652325C1
B	N39-GB	16	WH	2033819C1	1652325C1

I/S LEFT RAIL AIR DRYER (9900AC) (LOCATED ON LEFT REAR FRAME RAIL)

CONNECTOR 1673790C1
BODY LOCK 1673791C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N39B	16	GY	2033819C1	1652325C1
B	N39-GB	16	WH	2033819C1	1652325C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	24MAR15	INITIAL RELEASE.	A	92927M

DRAWN 23136977
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92927M
DATE 28JAN15
PART NO. AE08079252
SHEET 026

Figure 841 Connector Composites (9830), (9832), (9865M), (9865MA), (9900), (9900A), (9900AC)

https://truckmanualshub.com/

14.28. CONNECTOR COMPOSITES (9900AD), (9900AE), (9900AJ), (9900AP), (9900AQ), (9900AR), P. 27

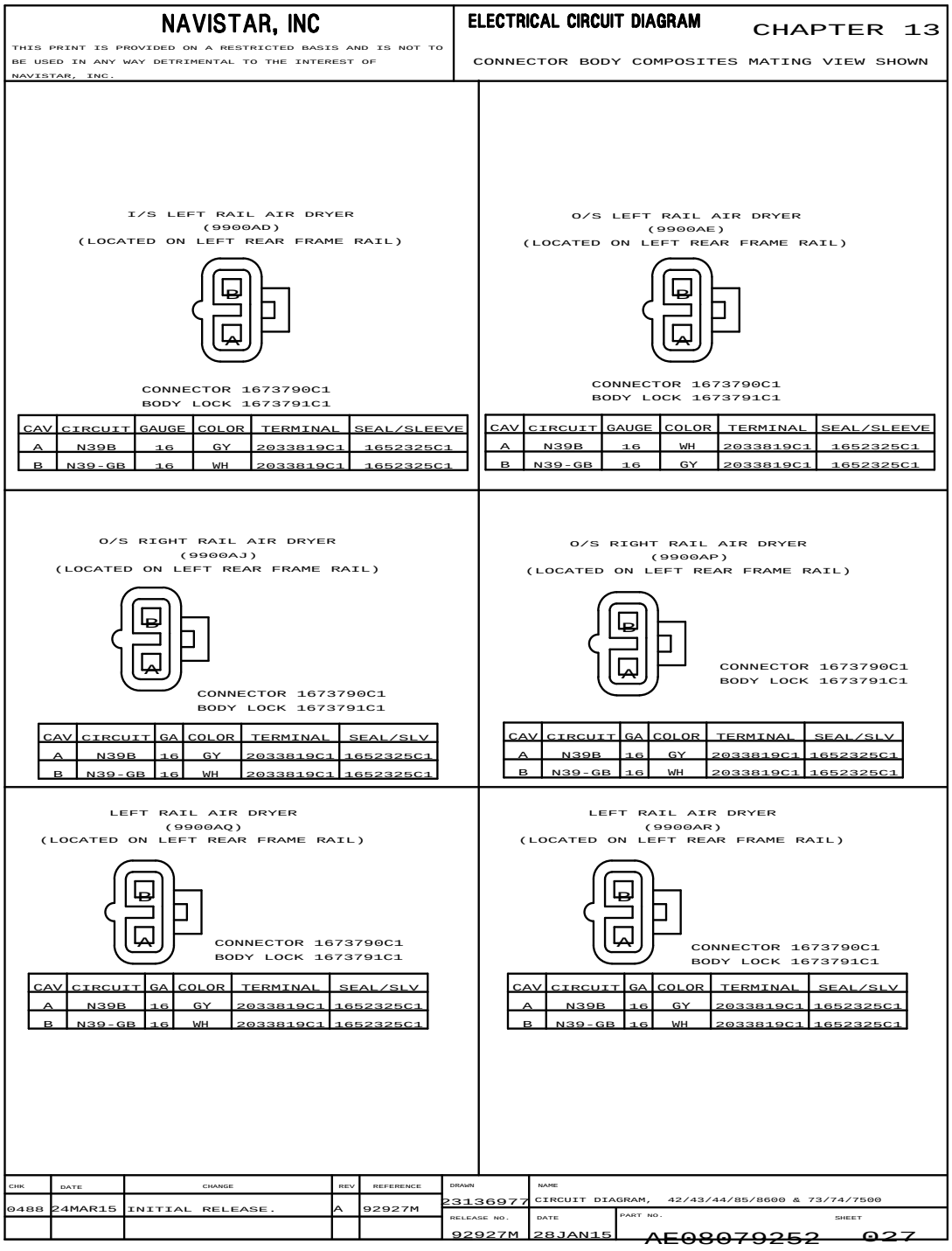

Figure 842 Connector Composites (9900AD), (9900AE), (9900AJ), (9900AP), (9900AQ), (9900AR)

https://truckmanualshub.com/

14.29. CONNECTOR COMPOSITES (9900C), (9900C1), (9900C2), (9900D), (9900E), P. 28

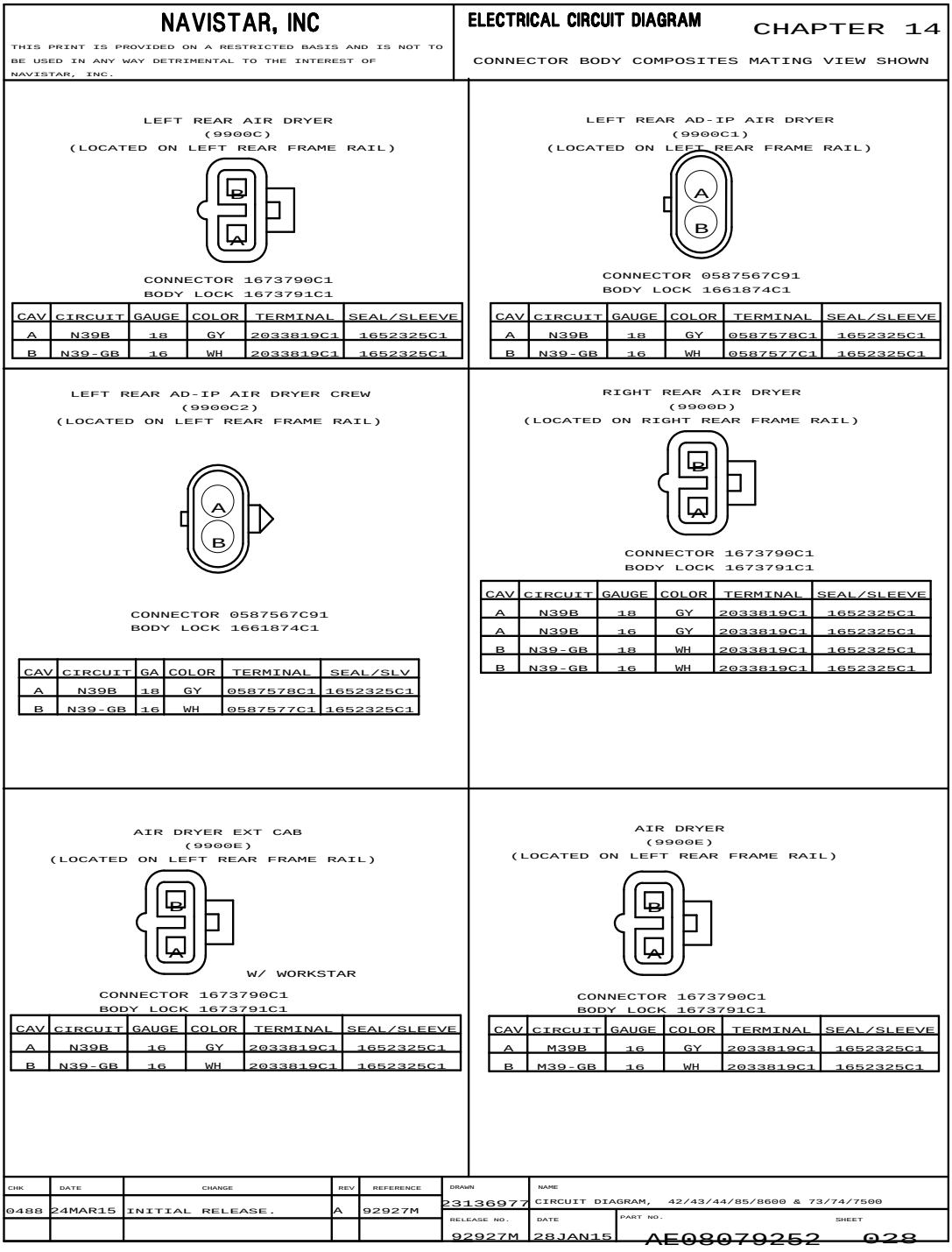

Figure 843 Connector Composites (9900C), (9900C1), (9900C2), (9900D), (9900E)

https://truckmanualshub.com/

14.30. CONNECTOR COMPOSITES (9900G), (9911), (9913B), P. 29

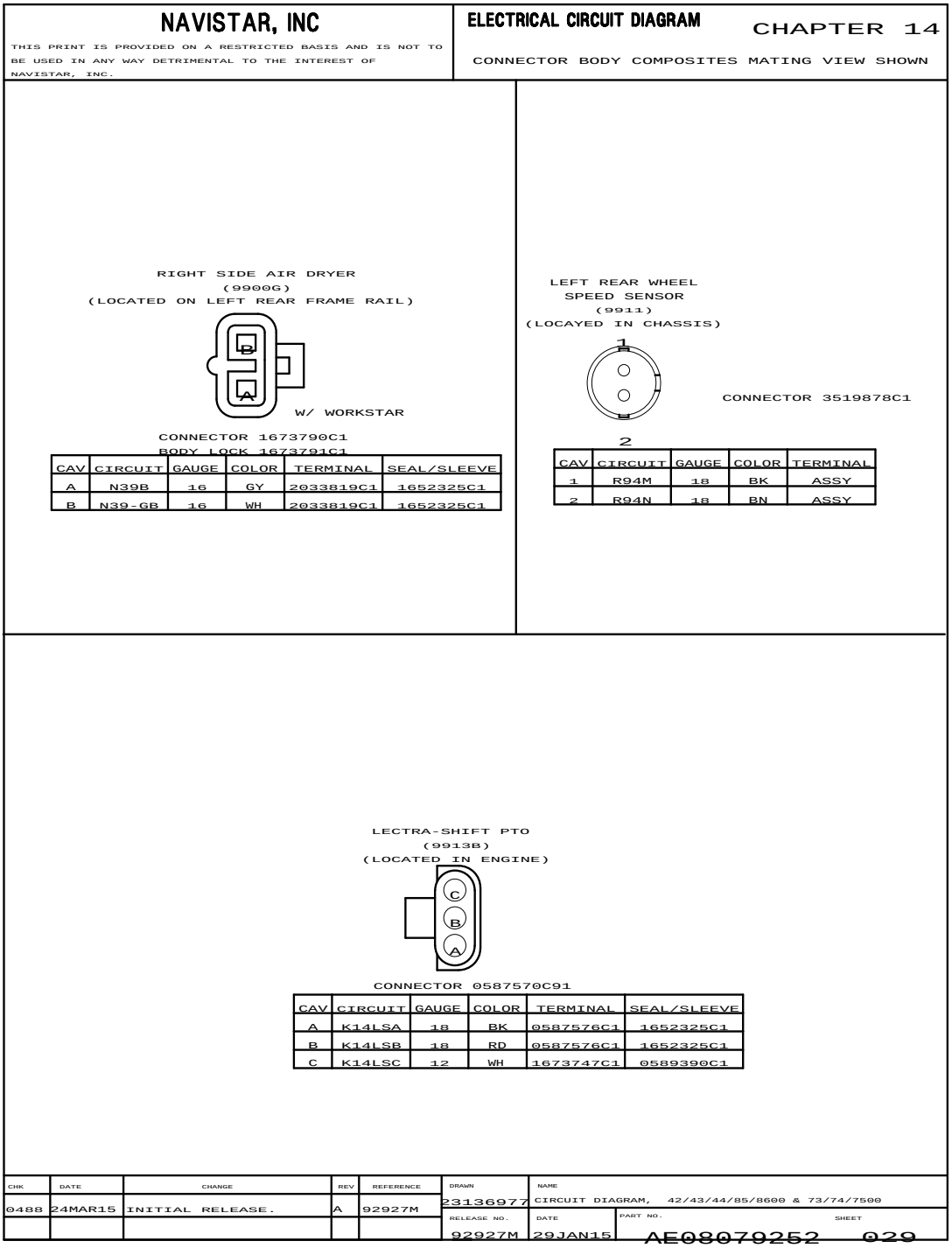

Figure 844 Connector Composites (9900G), (9911), (9913B)

https://truckmanualshub.com/

14.31. CONNECTOR COMPOSITES (9915), (9916), (9917), (9920), (9921), P. 30

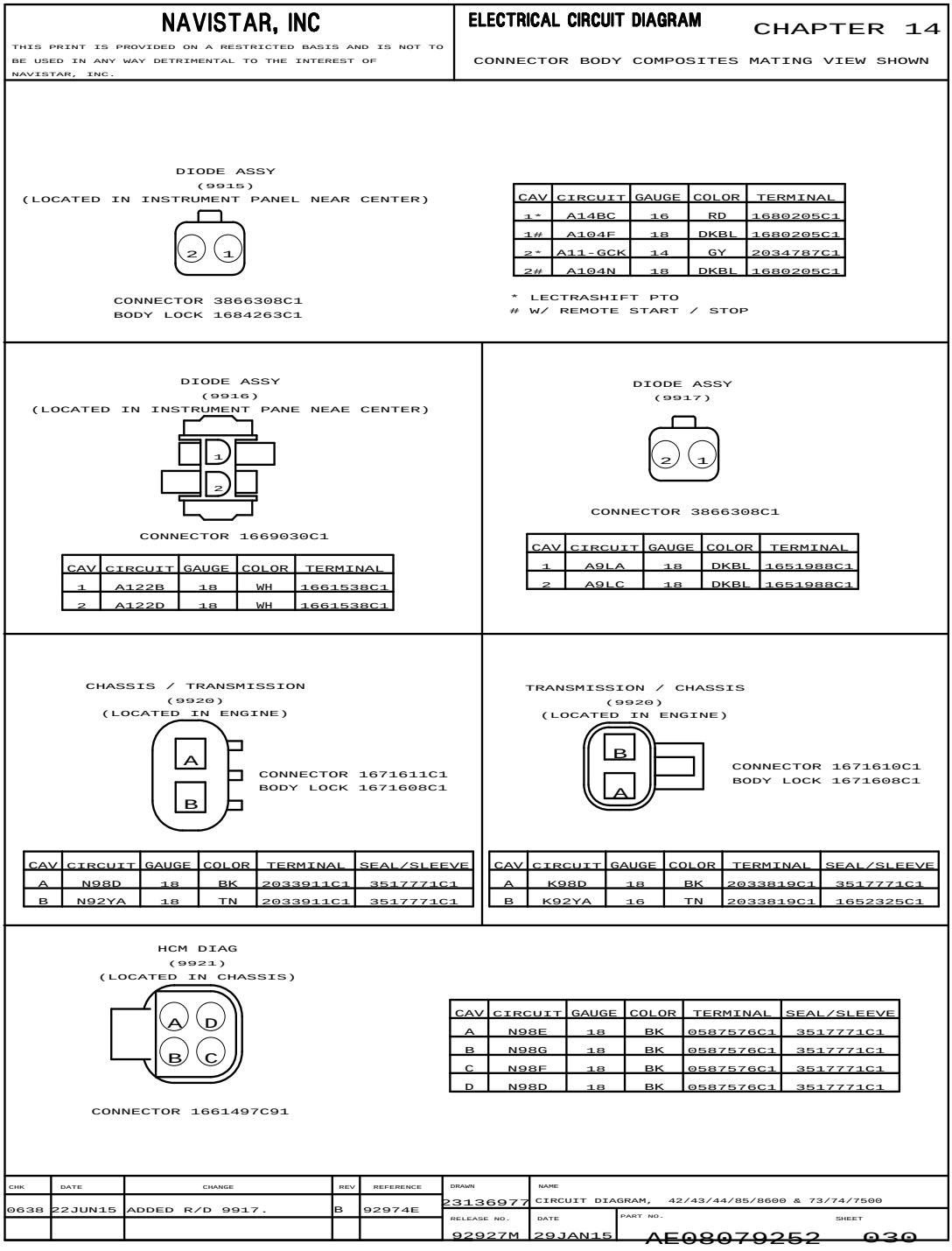

Figure 845 Connector Composites (9915), (9916), (9917), (9920), (9921)

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14.32. CONNECTOR COMPOSITES (9930), (9965M), (9989), P. 31

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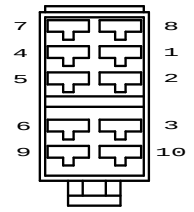
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

BLINKING CODE CONN
(9930)
(LOCATED IN CAB)



CONNECTOR 3530563C1

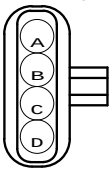
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A97AA	18	RD	1661224C1
2	A97AB	18	PK	1661224C1
3	A97B	18	LTGN	1661224C1
4	A97C	18	LTBL	1661224C1
5-10	-	-	-	-

LOAD INDICATOR (9965M)
(LOCATED BETWEEN CENTER CHASSIS AND REAR CHASSIS)

CONNECTOR 1667741C1
BODY LOCK 1667771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N110B	18	GY	1661875C1	1661872C1
B	N106B	18	GY	1661875C1	1661872C1
C	N61B	18	GY	1661875C1	1661872C1

JAW LOCK MONITER
(9989)
(LOCATED IN CAB)



CONNECTOR 3535481C1
BODY LOCK 3535485C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N116M	18	GY	2033911C1	3517771C1
B	N116U	16	GY	2033911C1	1652325C1
C	N116L	16	GY	2033911C1	1652325C1
D	N116-GA	18	WH	2033911C1	3517771C1

CHK	DATE	CHANGE	REV	REFERENCE
0488	24MAR15	INITIAL RELEASE.	A	92927M

DRAWN 23136977
NAME CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
RELEASE NO. 92927M
DATE 29JAN15
PART NO. AE08079252
SHEET 031

Figure 846 Connector Composites (9930), (9965M), (9989)