

SERVICE MANUAL

SERVICE MANUAL SECTION

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600,
MXT, RXT Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL
CIRCUIT DIAGRAMS**

Model: 3200

Start Date: 10/01/2005 End Date: 02/28/2007

Model: 4100

Start Date: 10/01/2005 End Date: 02/28/2007

Model: 4200

Start Date: 10/01/2005 End Date: 02/28/2007

Model: 4300

Start Date: 10/01/2005 End Date: 02/28/2007

Model: 4400

Start Date: 10/01/2005 End Date: 02/28/2007

Model: 7300

Start Date: 10/01/2005 End Date: 02/28/2007

Model: 7400

Start Date: 10/01/2005 End Date: 02/28/2007

Model: 7500

Start Date: 10/01/2005 End Date: 02/28/2007

Model: 7600

Start Date: 10/01/2005 End Date: 02/28/2007

Model: 7700

Start Date: 10/01/2005 End Date: 02/28/2007

Model: 8500

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Model: 8600

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Model: MXT

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1. INSTRUCTIONS AND CHARTS (CHAPTER 1)**1.1. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 1**

INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.	ELECTRICAL CIRCUIT DIAGRAM CHAPTER 1 CIRCUIT IDENTIFICATION AND LOCATION CHART
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PREFIX DESIGNATIONS

PREFIX	LOCATION
A	CAB-INSTRUMENT PANEL
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 RR XMBR)
P	CHASSIS/WHEEL BASE SECTION
R	CHASSIS/SUSPENSION/REAR AXLE/AXLES
S	CHASSIS/AF SECTION/STOP/TAIL/TURN LIGHTS

CIRCUIT NUMBER AND IDENTIFICATIONS

CIRCUIT NUMBER	COLOR	DESCRIPTION
1	LT BL	ALTERNATOR - FIELD
2	RD	ALTERNATOR - CHARGE
3	DK BL GY	1708 DATA LINK, SWITCH DATA LINK (+) 1708 DATA LINK, SWITCH DATA LINK (-)
4		SERIAL/DATA COMMUNICATION J1922
5	YL GN	DRIVE TRAIN J1939 DATA LINK (+) DRIVE TRAIN J1939 DATA LINK (-)
6	GY	LOW VOLTAGE ELECTRONIC FEED (9VOLTS)
7	RD	ALTERNATOR - RESISTANCE
8		

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	22DEC05	REVISED COLOR CHART	C	59581V	UOODLCK	42/43/44/85/8800 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO. 52778H	DATE 09AUG00 PART NO. AE08-52365 SHEET 01

Figure 1 Circuit Number Identification and Location Chart

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

1.2. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 2

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 1

INTERNATIONAL CIRCUIT NUMBER IDENTIFICATION AND LOCATION (CONT.)

CIRCUIT NUMBER AND IDENTIFICATIONS (CONT.)

CIRCUIT NUMBER	COLOR	DESCRIPTION
9	GY	ZERO VOLT REFERENCE (ZVR)
10	WH	CHASSIS/ENGINE GROUND
11	WH	CAB/SLEEPER GROUND
12	LTBL	ACCESSORY FEED
13	PK BK	IGNITION FEED IGNITION FEED (BODY BUILDER CONNECTOR)
14	RD	BATTERY FEED
15	RD	KEY SWITCH FEED
16		
17	PK	STARTER CONTROL
18	PK	GLOW PLUG/PRE-HEATER
19	GY	ENGINE SHUTDOWN
20	LTGN	REMOTE POWER MODULE
21	TN	COLD START CONTROLS (ETHER)
22		
23	TN	ENGINE FAN/SHUTTERS
24	GY	ENGINE EXHAUST BRAKE
25	TN	PYROMETER
26	TN	AMMETER
27	TN	VOLTMETER
28	TN	INSTRUMENTS AND GAUGES
29	TN	ENGINE WATER TEMPERATURE
30	TN	ENGINE OIL TEMPERATURE
31	TN	TRANSMISSION OIL TEMPERATURE
32	TN	AXLE OIL TEMPERATURE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00JXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	PART NO.
					P52778H	09AUG00	AE08-52365
							SHEET 02

Figure 2 Circuit Number Identification and Location Chart (Cont.)

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

3

1.3. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 3

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM				CHAPTER 1			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				INTERNATIONAL CIRCUIT NUMBER IDENTIFICATION AND LOCATION (CONT.)							
CIRCUIT NUMBER AND IDENTIFICATIONS (CONT.)											
CIRCUIT NUMBER		COLOR		DESCRIPTION							
33		TN		ENGINE OIL LEVEL							
34		TN		COOLANT LEVEL							
35		TN		ENGINE OIL PRESSURE							
36		TN		FUEL LEVEL							
37		TN		FUEL PUMP							
38											
39		GY		AIR DRYER HEATER							
40		GY		LOW AIR PRESSURE WARNING							
41		TN		AIR TEMPERATURE							
42		GY		FRONT AXLE ENGAGED							
43		GY		POWER DIVIDER LOCK (PDL) WARNING							
44		GY		PARK BRAKE WARNING							
45		LTGN		ANTI - THEFT WARNING							
46		GY		POWER TAKE - OFF 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 YL		TURN SIGNAL LIGHTS - LEFT TURN SIGNAL LIGHTS - LEFT (BODY BUILDER CONNECTION)							
57		OR LT GN		TURN SIGNAL LIGHTS - RIGHT TURN SIGNAL LIGHTS - RIGHT (BODY BUILDER CONNECTION)							
CHK	DATE	CHANGE		REV	REFERENCE	DRAWN		NAME			
PEC	16JAN01	PRODUCTION RELEASE.		A	P54304U	U00DLCK		42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS			
						RELEASE NO.		DATE		PART NO.	
						P52778H		15 MAY 00		AE08-52365	
SHEET 03											

Figure 3 Circuit Number Identification and Location Chart (Cont.)

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

1.4. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 4

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 1

INTERNATIONAL CIRCUIT NUMBER IDENTIFICATION AND LOCATION (CONT.)

CIRCUIT NUMBER AND IDENTIFICATIONS (CONT.)

CIRCUIT NUMBER	COLOR	DESCRIPTION
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 LIGHT
66	YL	DAYTIME RUNNING LIGHTS
67		
68	BN	TAIL LIGHTS
69	BN	LICENSE PLATE LIGHT
70	OR RD	STOP LIGHTS STOP LIGHTS (BODY BUILDER CONNECTION)
71	OR LTBL	BACK - UP LIGHTS 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
81	LTGN	POWER DOOR LOCKS

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	PART NO.
					P52778H	15MAY00	AE08-52365

SHEET 04

Figure 4 Circuit Number Identification and Location Chart (Cont.)

1.5. CIRCUIT NUMBER IDENTIFICATION AND LOCATION CHART, P. 5

INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 1 INTERNATIONAL CIRCUIT NUMBER IDENTIFICATION AND LOCATION (CONT.)																																																																													
CIRCUIT NUMBER AND IDENTIFICATIONS (CONT.) <table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CIRCUIT NUMBER</th> <th style="width: 10%;">COLOR</th> <th style="width: 75%;">DESCRIPTION</th> </tr> </thead> <tbody> <tr><td>82</td><td>GY</td><td>WINDSHIELD WIPER</td></tr> <tr><td>83</td><td>LTGN</td><td>POWER WINDOWS</td></tr> <tr><td>84</td><td>LTGN</td><td>CIGAR LIGHTER</td></tr> <tr><td>85</td><td>GY</td><td>HORN</td></tr> <tr><td>86</td><td>LTGN</td><td>RADIO - ENTERTAINMENT/CLOCK</td></tr> <tr><td>87</td><td>GY</td><td>WINDSHIELD WASHER</td></tr> <tr><td>88</td><td>LTGN</td><td>CLOCK/HOURMETER</td></tr> <tr><td>89</td><td>VT</td><td>AIR BAG</td></tr> <tr><td>90</td><td>GY</td><td>HYDRAULIC BRAKE PUMP</td></tr> <tr><td>91</td><td>VT</td><td>INTERCOMMUNICATIONS</td></tr> <tr><td>92</td><td>TN</td><td>TRANSMISSION CONTROLS - ELECTRONIC</td></tr> <tr><td>93</td><td>TN</td><td>AXLE SHIFT CONTROL</td></tr> <tr><td>94</td><td>GY</td><td>ANTILOCK BRAKE SYSTEM</td></tr> <tr><td>95</td><td>TN</td><td>EXHAUST EMISSION</td></tr> <tr><td>96</td><td>YL</td><td>SNOW PLOW LIGHTS/CRUISE CONTROL</td></tr> <tr><td>97</td><td>VT</td><td>ENGINE CONTROLS - ELECTRONIC</td></tr> <tr><td>98</td><td>BK</td><td>DATALINK AND DIAGNOSTICS</td></tr> <tr><td>99</td><td>VT</td><td>ACCELERATOR POSITION SENSOR (APS)</td></tr> <tr><td>100</td><td>GY</td><td>AIR HORN (ELECTRIC SOLENOID ACTUATED)</td></tr> <tr><td>101</td><td>TN</td><td>BRAKE APPLICATION AIR</td></tr> <tr><td>102</td><td>YL</td><td>FLASH TO PASS</td></tr> <tr><td>103</td><td>LTGN</td><td>BODY BUILDER AUX. FEED</td></tr> <tr><td>104</td><td>DKBL</td><td>REMOTE START/STOP</td></tr> <tr><td>105</td><td>LTGN</td><td>HEATED SEATS</td></tr> </tbody> </table>							CIRCUIT NUMBER	COLOR	DESCRIPTION	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	INTERCOMMUNICATIONS	92	TN	TRANSMISSION CONTROLS - ELECTRONIC	93	TN	AXLE SHIFT CONTROL	94	GY	ANTILOCK BRAKE SYSTEM	95	TN	EXHAUST EMISSION	96	YL	SNOW PLOW LIGHTS/CRUISE CONTROL	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 AUX. FEED	104	DKBL	REMOTE START/STOP	105	LTGN	HEATED SEATS
CIRCUIT NUMBER	COLOR	DESCRIPTION																																																																															
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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																											
21SEP05		CONVERSION FROM SABER TO U8	D	59756E	UOODLCK	42/43/44/65/8600 & 73/74/7500 CIRC DIAGRAMS																																																																											
					RELEASE NO. 52778H	DATE 15MAY00 PART NO. AE08-52365 SHEET 05																																																																											

Figure 5 Circuit Number Identification and Location Chart (Cont.)

1.6. NAVPAK/ECM I6 ENGINE CONTROLLER CONNECTOR PIN NUMBER IDENTIFICATION, P. 6

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 1	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				INTERNATIONAL NAVPAK/ECM I6 ENGINE CONTROLLER CONNECTOR PIN NUMBER IDENTIFICATION	
ECM PIN#	TERM	DESCRIPTION	ECM PIN#	TERM	DESCRIPTION
12	AAT	AMBIENT AIR TEMP. SENSOR	27	IVS	IDLE VALIDATION SWITCH
33	ACD	A/C DEMAND	54	OWL	OIL/WATER WARNING LIGHT
8	APS	ACCELERATOR POS. SENSOR	25	PWR RLY	CEC MAIN POWER RELAY SIGNAL
16	ATA(+)	J1708 DATALINK (+)	31	RAS	RESUME/ACCELERATE
17	ATA(-)	J1708 DATALINK (-)	37	RPRF	PRESET SPEED
29	BAP	BAROMETRIC AIR PRESS. SENSOR	30	RPS	REMOTE ACCELERATOR POS. SENS. SIG.
43	BN01	BRAKE STATUS #1	6	RPS-RTN	REMOTE ACCELERATOR POS. SENS. RTN.
44	BN02	BRAKE STATUS #2	36	RVAR	VARIABLE SPEED SWITCH
18	CAN SHLD	DRIVETRAIN J1939 DATALINK SHLD	32	SCS	SET/COAST
19	CAN(+)	DRIVETRAIN J1939 DATALINK (+)	45	SIL	SERVICE INTERVAL LIGHT
20	CAN(-)	DRIVETRAIN J1939 DATALINK (-)	34	STL	SELF TEST INPUT
15	*****	RETARDER/EXHAUST BRAKE REQUEST	48	SUL	SHIFT UP LIGHT
10	CLS	COOLANT LEVEL SENSOR	59	TACA	TACHOMETER A
35	COD	CRUISE ON/OFF	60	TACB	TACHOMETER B
21	DC(+)	POWER	38	TCSS	TORQUE CURVE SELECTION INPUT
22	DC(+)	POWER	28	TSA	TWO SPEED AXLE
1	DC(-)	GROUND	3	VBREF(5V)	ACCELERATOR SENSOR SUPPLY
2	DC(-)	GROUND	11	VBREF GND	ACCELERATOR SENSOR GROUND
26	DDS	DRIVELINE DISENGAGED INPUT	5	VCREF(5V)	REMOTE ACCELERATOR SENS. SUPPLY
42	DPS	GROUND	7	VCREF GND	REMOTE ACCELERATOR SENSOR GND
46	ECI	ENGINE CRANK INHIBIT	24	VIGN	IGNITION FEED
56	EDL	TRANSMISSION KICKDOWN	47	VRE	RETARDER/EXHAUST BRAKE ENABLE
53	GPL	GLOW PLUG LIGHT	39	VSS(+)	VEHICLE SPEED SENSOR (+)
4	HGE	HYD. PRESS GOVERNOR ENABLE	40	VSS(-)	VEHICLE SPEED SENSOR (-)
49	HMI	HYDRAULIC PRESS GOVERNOR IND. LT	58	VSSCALA	SPEEDOMETER SIGNAL A
13	HPS	HYDRAULIC PRESSURE SENSOR	57	VSSCALB	SPEEDOMETER SIGNAL B
41	HS0(+)	POWER	55	WARN	ENGINE WARNING LIGHT
23	HS0(-)	GROUND			
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN
2/15/05		CONVERSION FROM SABER TO UG	D	59758E	U00JXP9
					NAME
					42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.
					52778H
					DATE
					09AUG00
					PART NO.
					AE08-52365
					SHEET
					06

Figure 6 NAVPAK/ECM I6 Engine Controller Connector Pin Number Identification

1.7. CIRCUIT DIAGRAM INSTRUCTIONS, P. 7

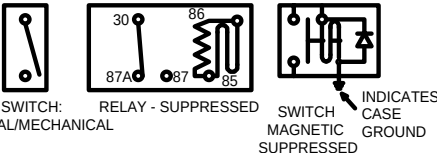
INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 1

CIRCUIT DIAGRAM INSTRUCTIONS

A - SWITCH AND RELAY POSITIONS AS SHOWN ON CIRCUIT DIAGRAMS INDICATE NORMAL POSITION WITH IGNITION OFF UNLESS OTHERWISE NOTED.

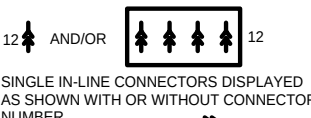


SWITCH: MANUAL/MECHANICAL

RELAY - SUPPRESSED

INDICATES CASE MAGNETIC GROUND SUPPRESSED

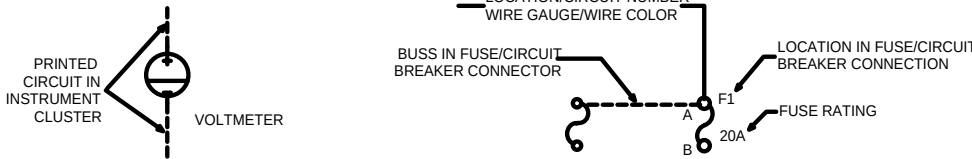
B - MULTIPLE CONNECTIONS ARE DISPLAYED ON SCHEMATIC AS SHOWN. REFER TO CONNECTOR COMPOSITE WITH APPLICABLE NUMBER FOR MORE COMPLETE INFORMATION.



12 AND/OR 12

SINGLE IN-LINE CONNECTORS DISPLAYED AS SHOWN WITH OR WITHOUT CONNECTOR NUMBER.

C - PHANTOM LINES INDICATE PRINTED CIRCUITS OR BUSSED CIRCUITS. THESE CIRCUITS EXIST IN THE INSTRUMENT CLUSTERS AND FUSE/CIRCUIT BREAKER CONNECTORS.



PRINTED CIRCUIT IN INSTRUMENT CLUSTER

VOLTMETER

LOCATION/CIRCUIT NUMBER WIRE GAUGE/WIRE COLOR

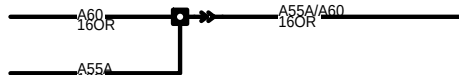
BUSS IN FUSE/CIRCUIT BREAKER CONNECTOR

LOCATION IN FUSE/CIRCUIT BREAKER CONNECTION

FUSE RATING

20A

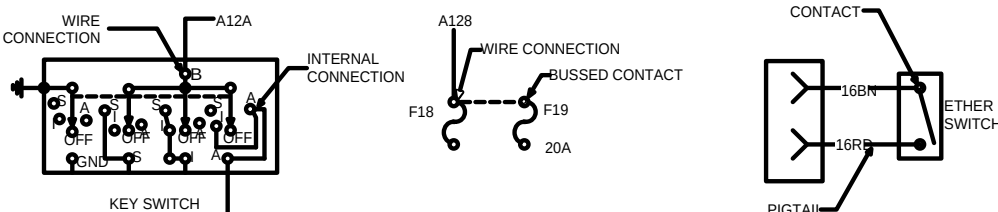
D - MULTIPLE CIRCUIT NUMBERS ON A LINE INDICATE ONE WIRE DISTRIBUTING CURRENT TO TWO CIRCUITS.



A60/16OR

A55A/16OR

E - SWITCHES, RELAYS AND COMPONENTS INDICATE EXTERNAL WIRE CONNECTIONS AND/OR INTERNAL CONNECTIONS OR CONTACTS.



WIRE CONNECTION

A12A

INTERNAL CONNECTION

KEY SWITCH

A12

CONTACT

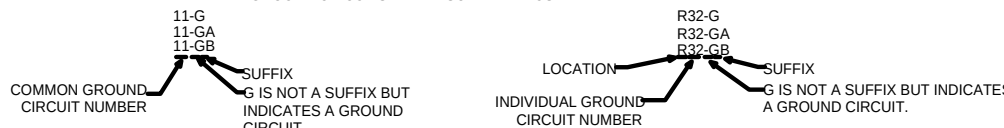
ETHER SWITCH

PIGTAIL

F - CIRCUIT "11" DENOTES ANY COMMON GROUND, (MORE THAN ONE CIRCUIT). ANY INDIVIDUAL GROUND CIRCUIT IS IDENTIFIED WITH THAT PARTICULAR CIRCUIT NUMBER. (E.G CIRCUIT 97 CRUISE CONTROL, IS IDENTIFIED PER EXAMPLE).

NOTE: FOR CIRCUIT DESCRIPTION OTHER THAN GROUNDS, NEITHER THE LETTER "G" NOR THE COLOR WHITE SHALL BE USED.

GROUND CIRCUITS ARE DESCRIBED THUS:



COMMON GROUND CIRCUIT NUMBER

SUFFIX

G IS NOT A SUFFIX BUT INDICATES A GROUND CIRCUIT.

INDIVIDUAL GROUND CIRCUIT NUMBER

SUFFIX

G IS NOT A SUFFIX BUT INDICATES A GROUND CIRCUIT.

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
PEC	16JAN01	PRODUCTION RELEASE	A	P54304U	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.	DATE
					P52778H	15MAY00

PART NO.	SHEET
AE08-52365	07

Figure 7 Circuit Diagram Instructions

1.8. CIRCUIT DIAGRAM INSTRUCTIONS, P. 8

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ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 1

CIRCUIT DIAGRAM INSTRUCTIONS

G - ABBREVIATIONS: COLOR, NOUN AND ENGINE

COLOR ABBREVIATION

AQ - AQUA

BK - BLACK

BL - BLUE

BN - BROWN

DK GN - DARK GREEN

GD - GOLD

GY - GRAY

GN - GREEN

LT BL - LIGHT BLUE

LT GN - LIGHT GREEN

OR - ORANGE

PK - PINK

PL - PURPLE

RD - RED

SIL - SILVER

TN - TAN

VT - VIOLET

WH - WHITE

YL - YELLOW

NOUN ABBREVIATION

A

ACC

AC -

AUX -

AWG -

B

BAT

CONN-

DRL -

ENG -

FWD -

GA -

ACCESSORY

AIR CONDITIONER

AUXILIARY

AMERICAN WIRE GAUGE

BATTERY

CONNECTION OR CONNECTOR

DAYTIME RUNNING LIGHTS

ENGINE

FORWARD

GAUGE

G

GND

I

IGN

IND -

L -

LT -

W/O -

OPT -

R -

S -

THERMO -

W/ -

GROUND

IGNITION

INDICATOR

LEFT

LIGHT

WITHOUT

OPTIONAL

RIGHT

START OR SENDER

THERMOSTAT

WITH

ENGINE ABBREVIATION

ISM

N14E PLUS

C-10,C-12

V8-AVNT

I6-HEUI

- MFG (CUMMINS) 10.8 LITER ELECTRONIC ENGINE CONTROL

- MFG (CUMMINS) 14 LITER ELECTRONIC ENGINE CONTROL

- MFG (CATERPILLAR) 10.3 LITER ELECTRONIC ENGINE CONTROL

- MFG (INTERNATIONAL) V8 6.0 LITER ELECTRONIC ENGINE CONTROL

- MFG (INTERNATIONAL) NGD I6 DT466 & DT/HT530 ELECTRONIC ENGINE CONTROL

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME			
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00JXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS			
					RELEASE NO.	DATE	PART NO.	SHEET	
					P52778H	10AUG00	AE08-52365	08	

Figure 8 Circuit Diagram Instructions (Cont.)

1.9. SCHEMATIC SYMBOL CHART, P. 9

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ELECTRICAL CIRCUIT DIAGRAM

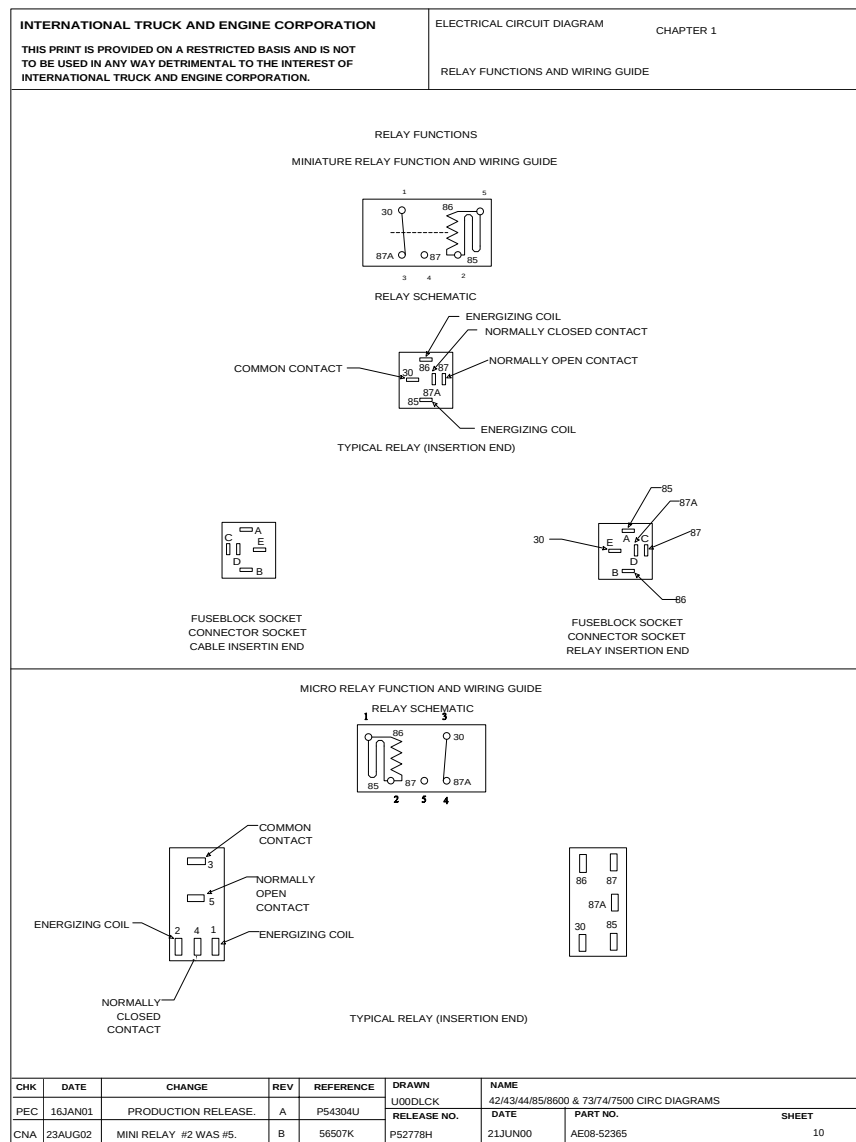
CHAPTER 1

SCHEMATIC SYMBOL CHART

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	MALE/FEMALE IN-LINE CONNECTION		HORN
	FEMALE TERMINAL		MAGNETIC SWITCH
	MALE TERMINAL		LIGHT - DOUBLE FILAMENT
	GROUND		SENDER - OIL, WATER, FUEL, TEMPERATURE
	FUSE		RESISTOR
	LIGHT EMITTING DIODE		SWITCH CONTACT, NORMALLY OPEN
	SWITCH CONTACT, NORMALLY CLOSED		MOTOR - ELECTRIC
	JUNCTION POINT		SOLENOID - GENERAL USAGE
	SPLICE		LIGHT - SINGLE FILAMENT
	SWITCH - PRESSURE		SPEAKER - SOUND SYSTEM
	SWITCH - MANUAL/MECHANICAL		CIGAR LIGHTER
	RELAY - SUPPRESSED		FAN SWITCH
	TERMINATING RESISTOR		

CH#	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	PART NO.	SHEET
041	17DEC08	REVISED AND REDRAWN	C	61280T	UOODLCK	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500		
					RELEASE NO.	DATE		
					52778H	19MAY00	AE08-52365	009

Figure 9 Schematic Symbol Chart

1.10. RELAY FUNCTIONS, P. 10**Figure 10 Relay Functions**

3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

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1.11. LAMP BULB CHART, P. 11

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM		CHAPTER 1	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				LAMP BULB CHART			
BULB APPLICATION		CANDLEPOWER OR WATTS		BULB TRADE NUMBER			
BACK-UP LIGHTS		32 CANDLEPOWER		GE1156			
CLEARANCE & IDENTIFICATION		3 CANDLEPOWER		GE193			
COURTESY LIGHT		3 CANDLEPOWER		GE168			
DOME LIGHTS		12 CANDLEPOWER		GE561			
FOG LIGHTS		55 CANDLEPOWER		VH550			
HEAD LIGHTS:							
LOW BEAMS		65 WATTS		GE9007			
HIGH BEAMS		65 WATTS		GE9007			
INSTRUMENT CLUSTER:							
GAUGE BACK LIGHT				082S270538-3			
GAUGE WARNING LED (RED)				082S272109-3			
RANGE INHIBIT LED (YELLOW)				082S272109-4			
COLD AMBIENT PROTECTION LED (YELLOW)				082S272109-4			
FUEL FILTER LED (YELLOW)				082S272109-4			
WARN ENGINE LED (YELLOW)				082S272109-4			
STOP ENGINE LED (RED)				082S272109-3			
BRAKE PRESSURE LED (RED)				082S272109-3			
BRAKE FLUID LED (RED)				082S272109-3			
WAIT TO START LED (YELLOW)				082S272109-4			
CHECK TRANSMISSION LED (YELLOW)				082S272109-4			
TRAILER ABS LED (YELLOW)				082S272109-4			
WASHER FLUID LED (YELLOW)				082S272109-4			
LEFT TURN SIGNAL LED (GREEN)				082S272109-2			
TRACTION CONTROL LED (GREEN)				082S272109-2			
WATER IN FUEL LED(YELLOW)				082S272109-4			
PARK FLUID LED LIGHT (RED)				082S272109-3			
CHECK ELECTRICAL SYSTEMS LED (YELLOW)				082S272109-4			
PARK BRAKE LED (RED)				082S272109-3			
CRUISE CTRL ACTIVE LED (GREEN)				082S272109-2			
ANTILOCK BRAKING SYSTEM LED (YELLOW)				082S272109-4			
RIGHT TURN LED (GREEN)				082S272109-2			
COOLANT LEVEL LED (RED)				082S272109-3			
SEAT BELT LED (RED)				082S272109-3			
HIGH BEAM ICON LED (BLUE)				082S272109-5			
CHECK AIR CONDITIONER LED (YELLOW)				082S272109-4			
RETARD OVER HEAT LED (RED)				082S272109-3			
PTO/THROTTLE LED (RED)				082S272109-3			
MAP LIGHT		3 CANDLEPOWER		1816			
SIDE MARKER				2458			
STOP & TURN/TAIL & LICENSE PLATE		32/3 CANDLEPOWER		1157			
TURN SIGNAL/MARKER (FENDER)				3157			
TURN SIGNAL & MARKER LIGHT				2356			
WORK (TRAILER HOOK-UP) LIGHT				4411			
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
PEC	16JAN01	PRODUCTION RELEASE	A	P54304U	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
PEC	18JUN01	REVISED DRWG SHEET.	B	P54634F	RELEASE NO.	DATE	PART NO.
					P52778H	20JUN00	AE08-52365
							SHEET 11

Figure 11 Lamp Bulb Chart

1.12. INTERNATIONAL V8 AND I6 ECM CONTROLLER CONNECTORS PIN NUMBER IDENTIFICATION, P.12

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ELECTRICAL CIRCUIT DIAGRAM

INTERNATIONAL V8 & I6 ECM
CONTROLLER CONNECTORS PIN
NUMBER IDENTIFICATION

CHAPTER 1

CONNECTOR X3 REFERENCE (6020)

ECM PIN #	TERM	DESCRIPTION
1	FPM	FUEL PUMP MONITOR
2	FLI	FUEL LEVEL INDICATOR
3	KL 15	IGNITION FEED
4	ECL	ENGINE COOLANT LEVEL
5	MPR	MAIN POWER RELAY
6	KL 31	GROUND
7	KL 31	GROUND
8	DOS	DRIVELINE DISENGAGE SWITCH
9	FPC	FUEL PUMP CONTROL
10	TCSS	TORQUE CURVE SELECT SWITCH
11	TACH	TACHOMETER CONTROL
12	CAN1+	DRIVETRAIN J1939 DATALINK +
13	CAN1-	DRIVETRAIN J1939 DATALINK -
14	RAS	RESUME/ACCELERATE
15	CAN1-SHLD	DRIVETRAIN 1939 DATALINK SHLD
16		NOT POPULATED
17	VSS_CAL	VEHICLE SPEED SENSOR CALIBRATION
18	VRE	VEHICLE RETARDER ENABLE
19	RPRE	REMOTE PRESET PTO ENABLE
20	RVAR	REMOTE VARIABLE PTO ENABLE
21	SCS	SET/COAST
22	ESHTR	ELECTRONIC SHUTTER RELAY
23	ECI	ENGINE CRANK INHIBIT
24	BAP	BAROMETRIC AIR PRESSURE

CONNECTOR X4 REFERENCE (6021)

ECM PIN #	TERM	DESCRIPTION
1	KL 87	BATTERY POWER
2	KL 87	BATTERY POWER
3		NOT POPULATED
4	VBREF	SENSOR REFERENCE VOLTAGE
5		NOT POPULATED
6	LSI_SPARE2	LOW SPEED INPUT 2
7		NOT POPULATED
8		NOT POPULATED
9	VSS-	VEHICLE SPEED SENSOR-
10	VSS+	VEHICLE SPEED SENSOR+
11		NOT POPULATED
12	IVS	IDLE VALIDATION SWITCH
13		NOT POPULATED
14	EFAN	ELECTRIC FAN CONTROL
15	LSO_SPARE4	LOW SIDE OUTPUT 4
16		NOT POPULATED
17		NOT POPULATED
18	APS	ACCELERATION POSITION SENSOR
19		NOT POPULATED
20	ATA+	J1708 DATALINK +
21	ATA-	J1708 DATALINK -
22		NOT POPULATED
23	GSC	GENSET SPEED CONTROL
24	KL 31B	SENSOR REFERENCE GROUND

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
CNA	25FEB03	PIN 6 OF CONN X4 INOUT CHANGED TO INPUT	B	589285	U000DLCK RELEASE NO. P54304U	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS		
						DATE	PART NO.	SHEET
						16JAN01	AE08-52365	12

Figure 12 International V8 and I6 ECM Controller Connectors Pin Number Identification

2. 12 VOLT POWER DISTRIBUTION CIRCUIT DIAGRAMS (CHAPTER 2)

2.1. ACCESSORY, P. 1

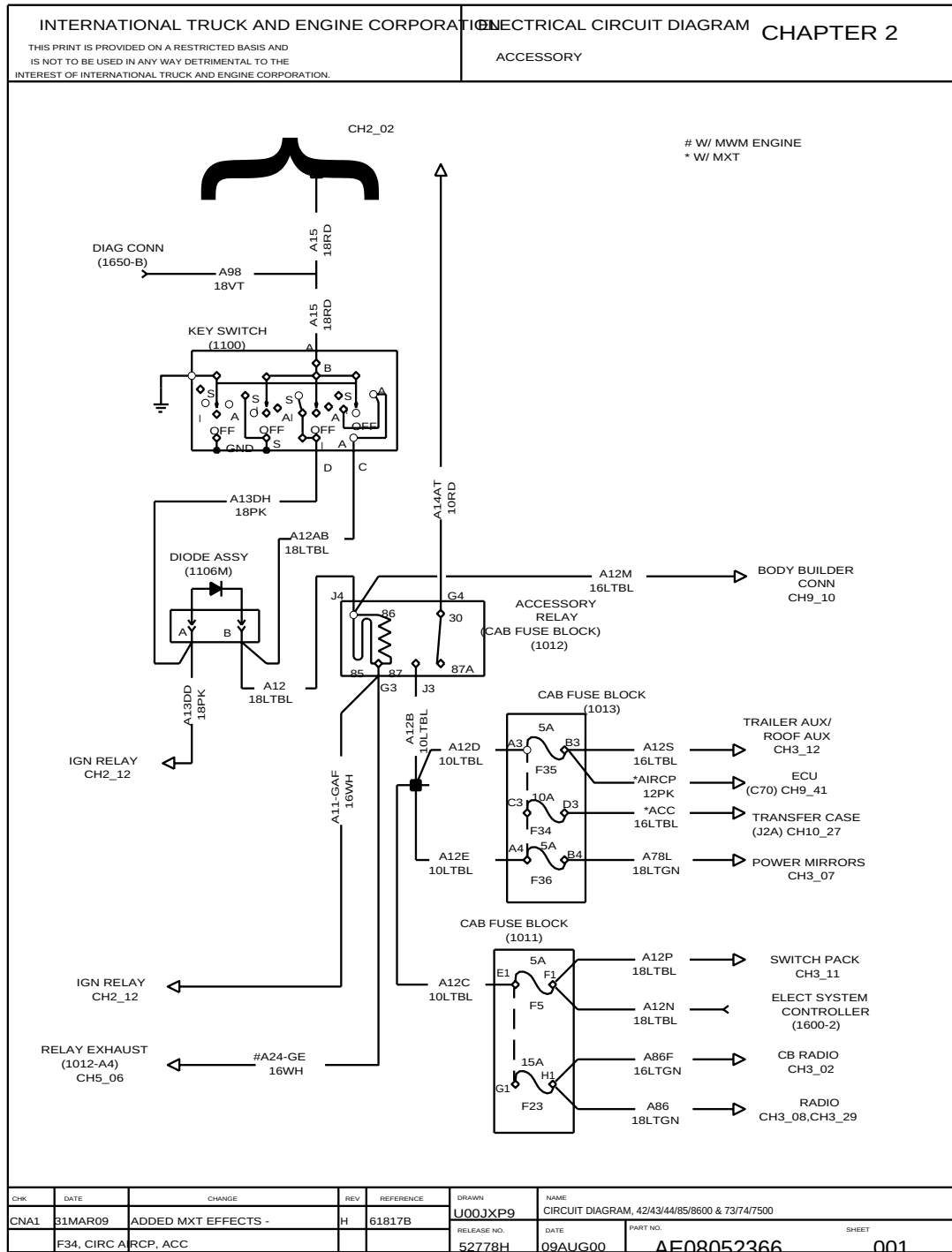


Figure 13 Accessory

2.2. BATTERY FEEDS, CAB, P. 2

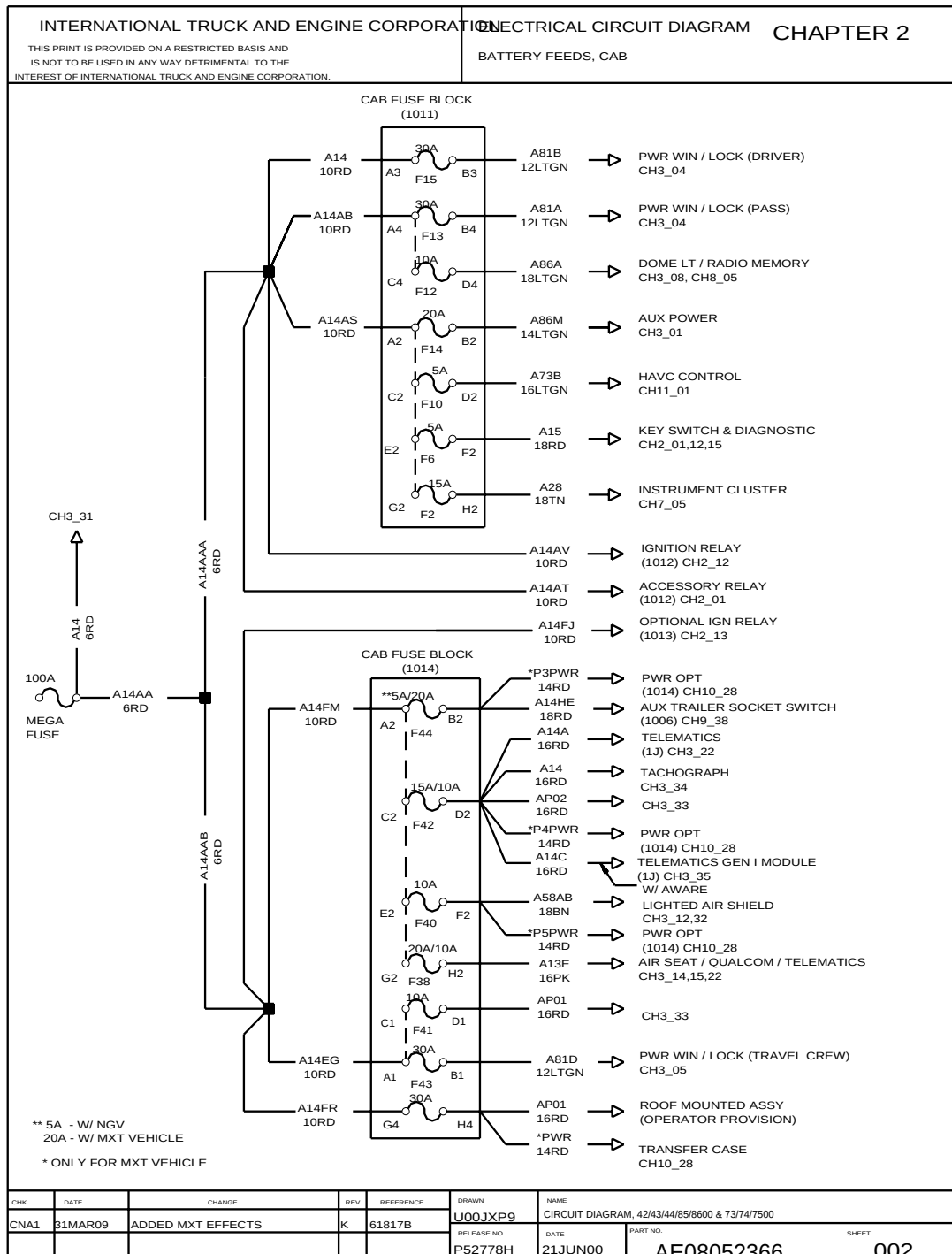


Figure 14 Battery Feeds, Cab

2.3. BATTERY, P. 3

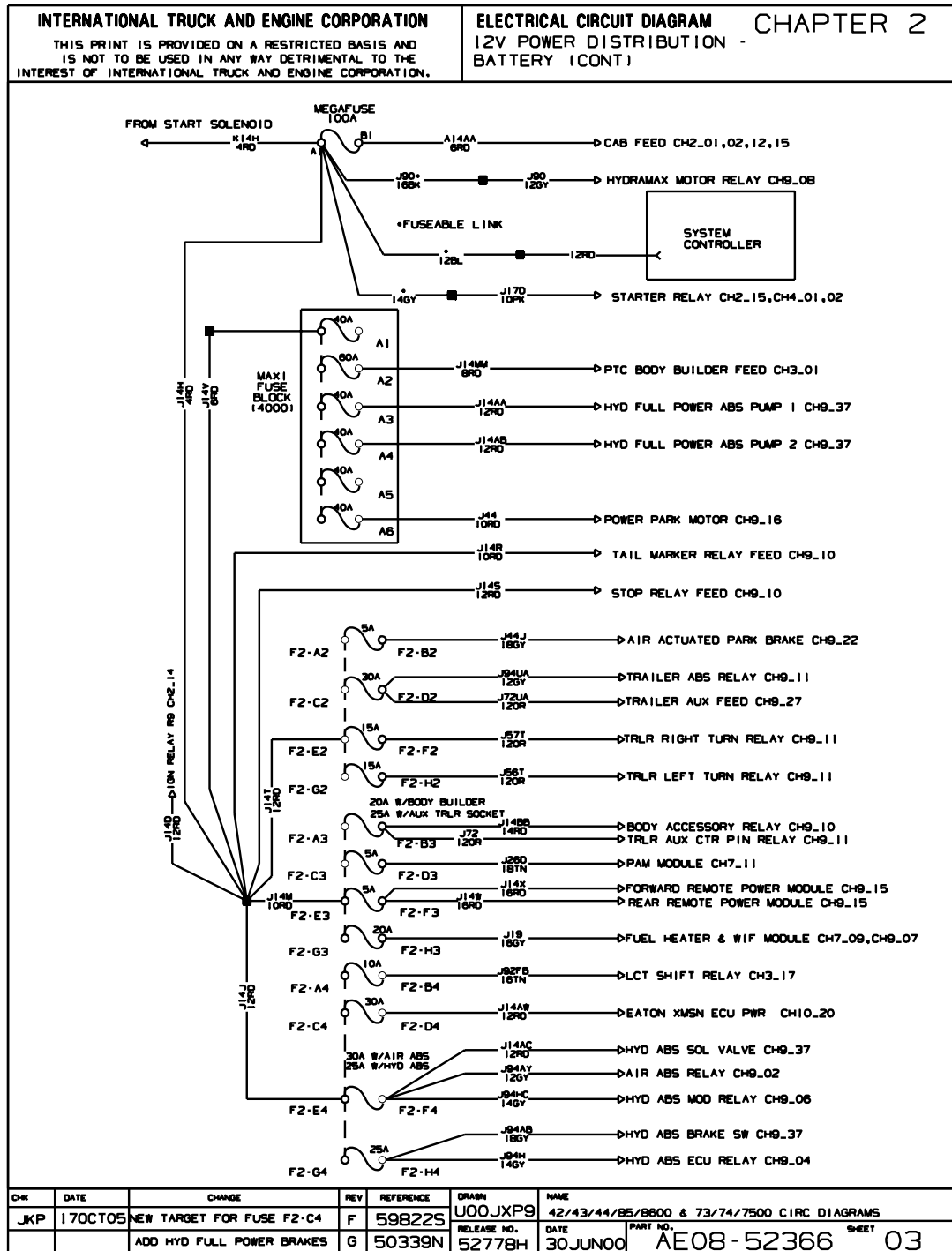


Figure 15 Battery

2.4. 1708 DATA LINK-CHASSIS, P. 4

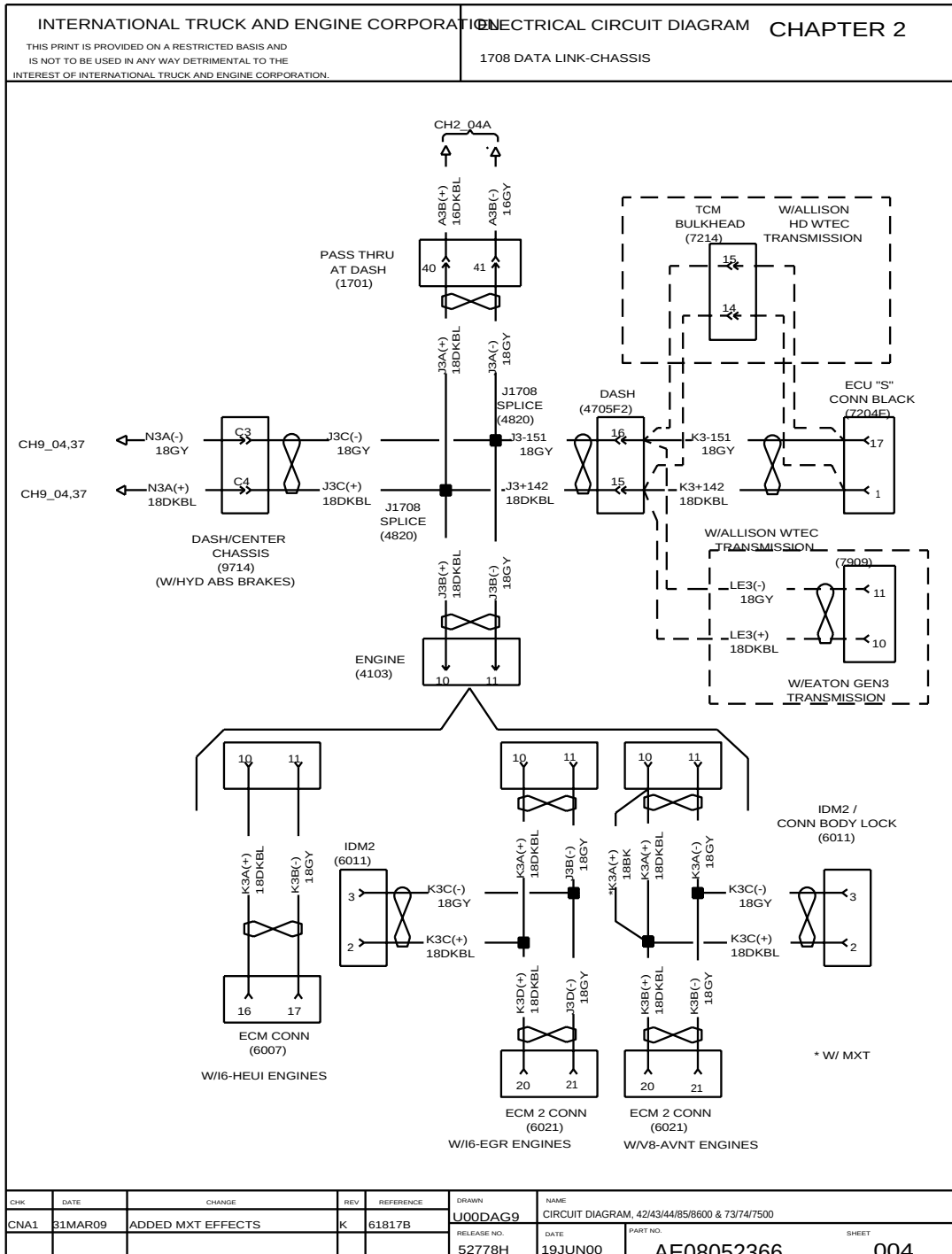


Figure 16 1708 Data Link-Chassis

2.5. J-1708 DATA LINK-CAB, P. 4A

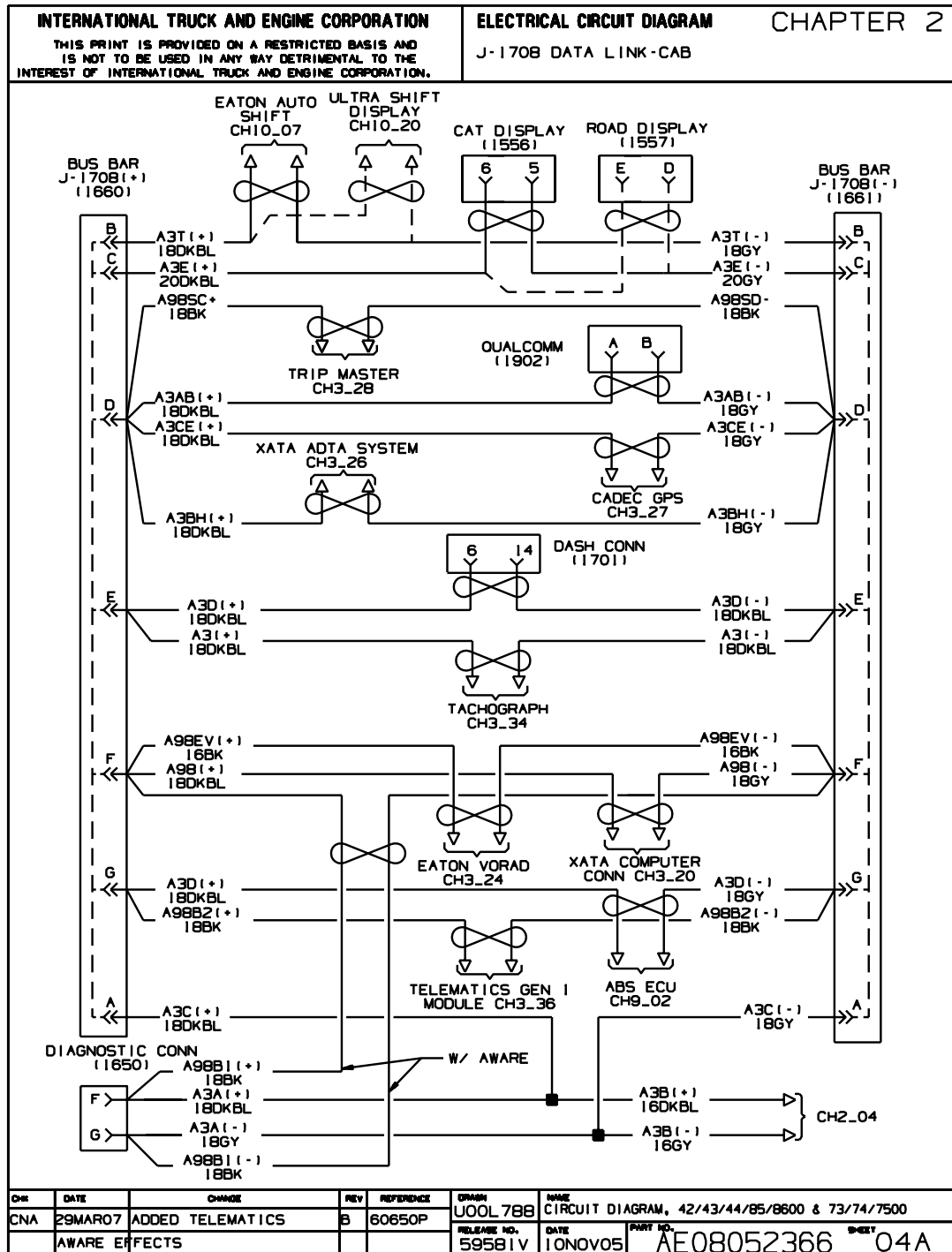


Figure 17 J-1708 Data Link-Cab

2.6. SWITCH DATA LINK, P. 5

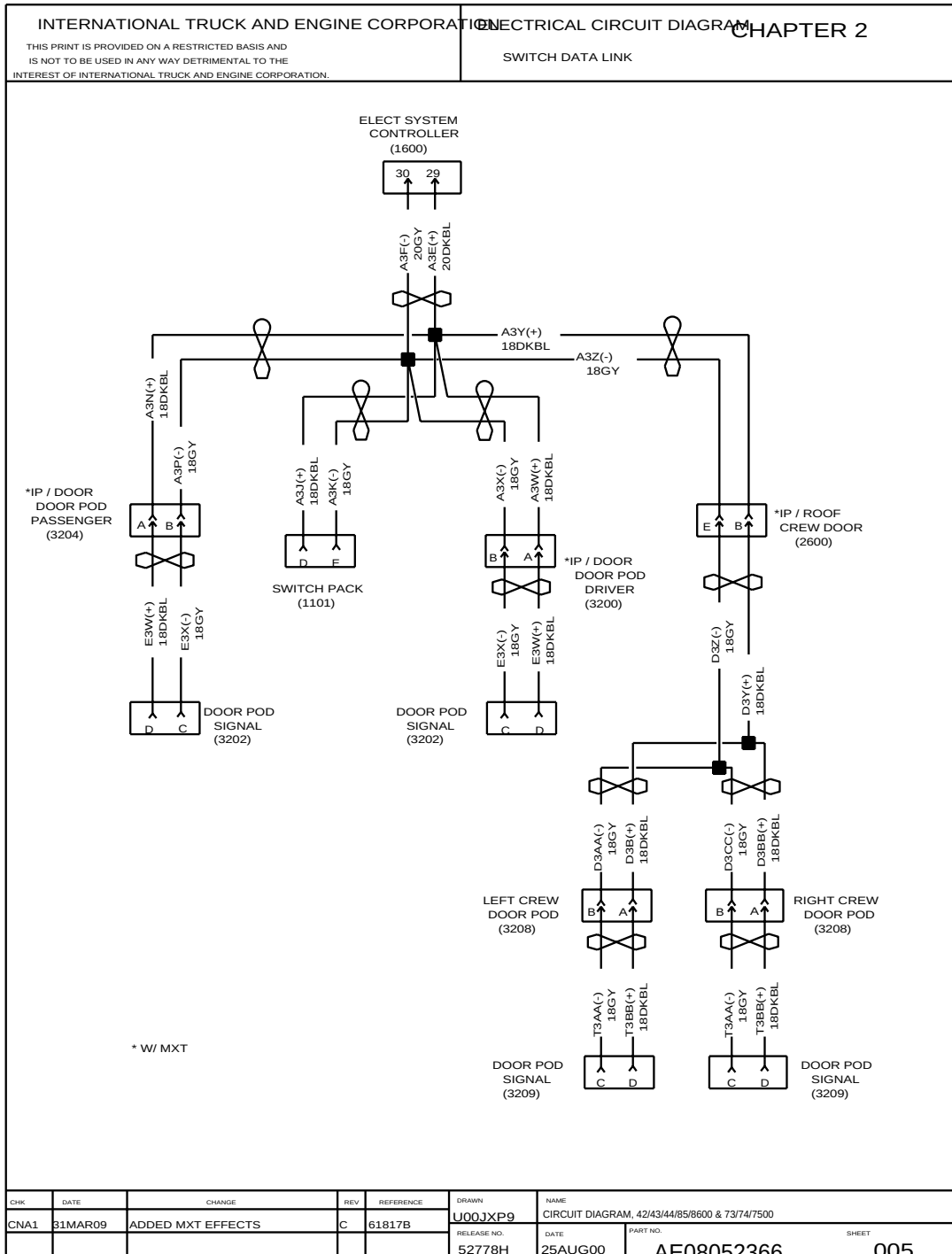


Figure 18 Switch Data Link

2.7. DRIVETRAIN 1939 DATA LINK (CAB), P. 6

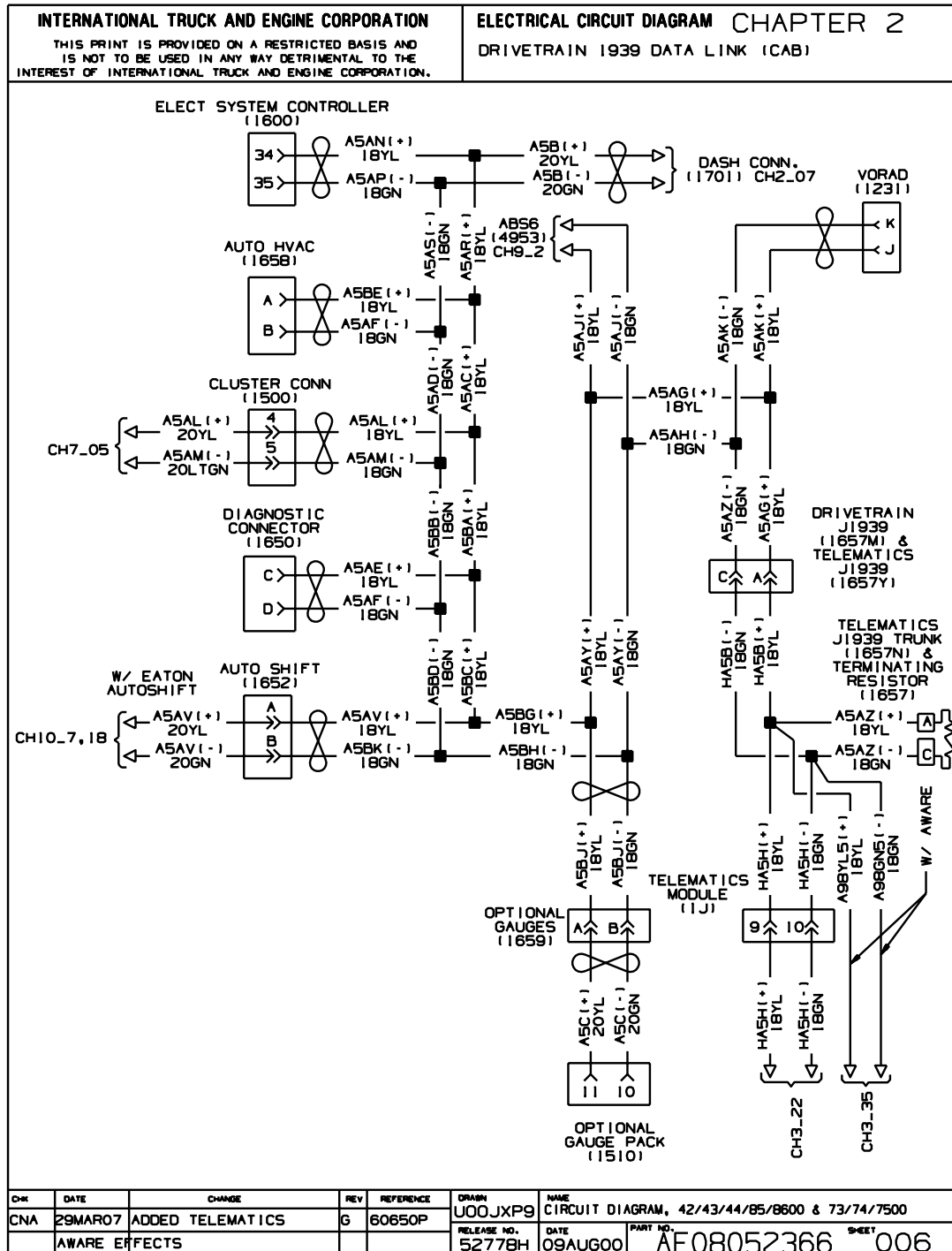


Figure 19 Drivetrain 1939 Data Link (Cab)

2.8. DRIVETRAIN 1939 DATA LINK (CHASSIS), P. 7

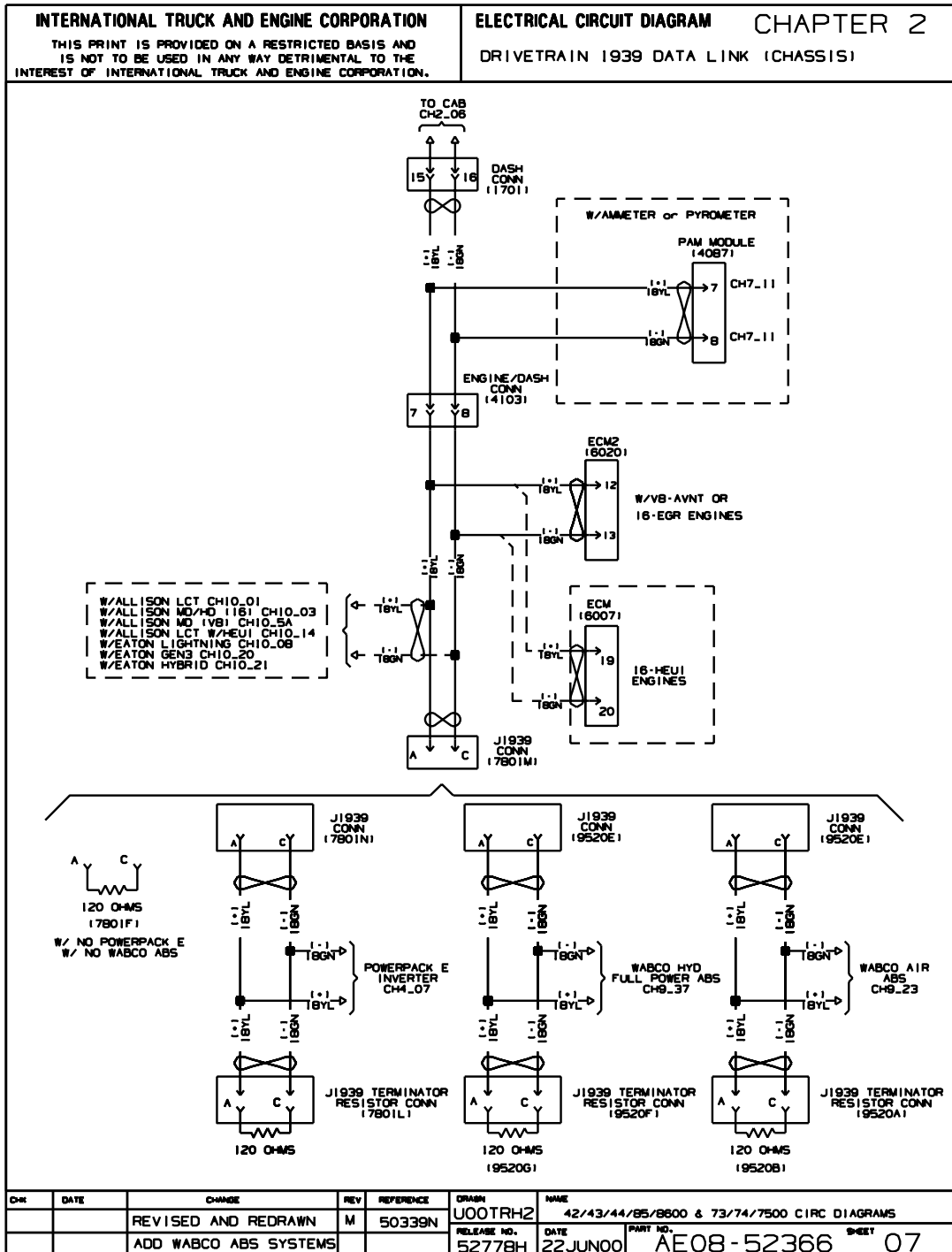


Figure 20 Drivetrain 1939 Data Link (Chassis)

3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

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2.9. J1939 DATA LINK — MXT, P. 7A

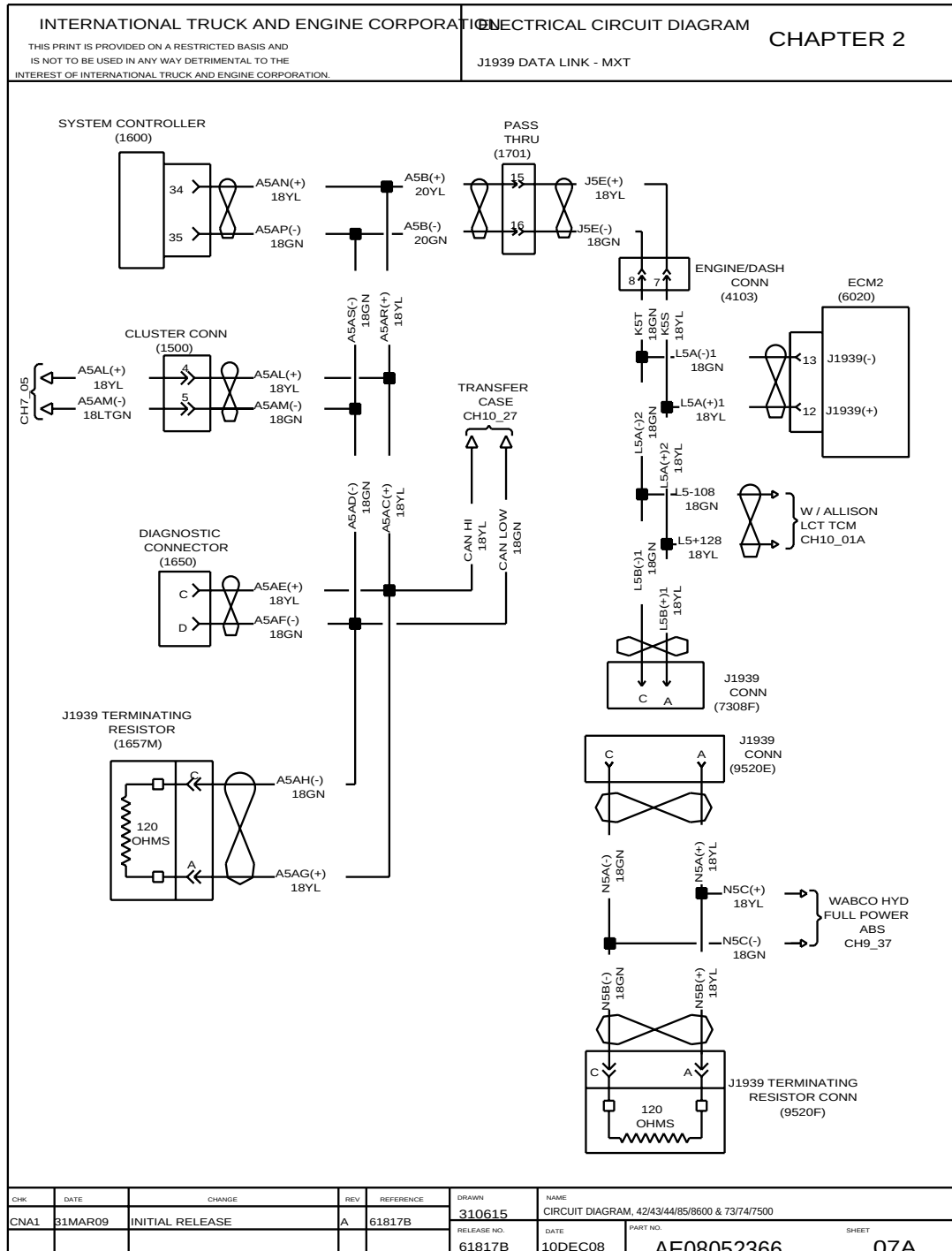


Figure 21 J1939 Data Link — MXT

2.11. GROUNDS, CHASSIS, P. 9

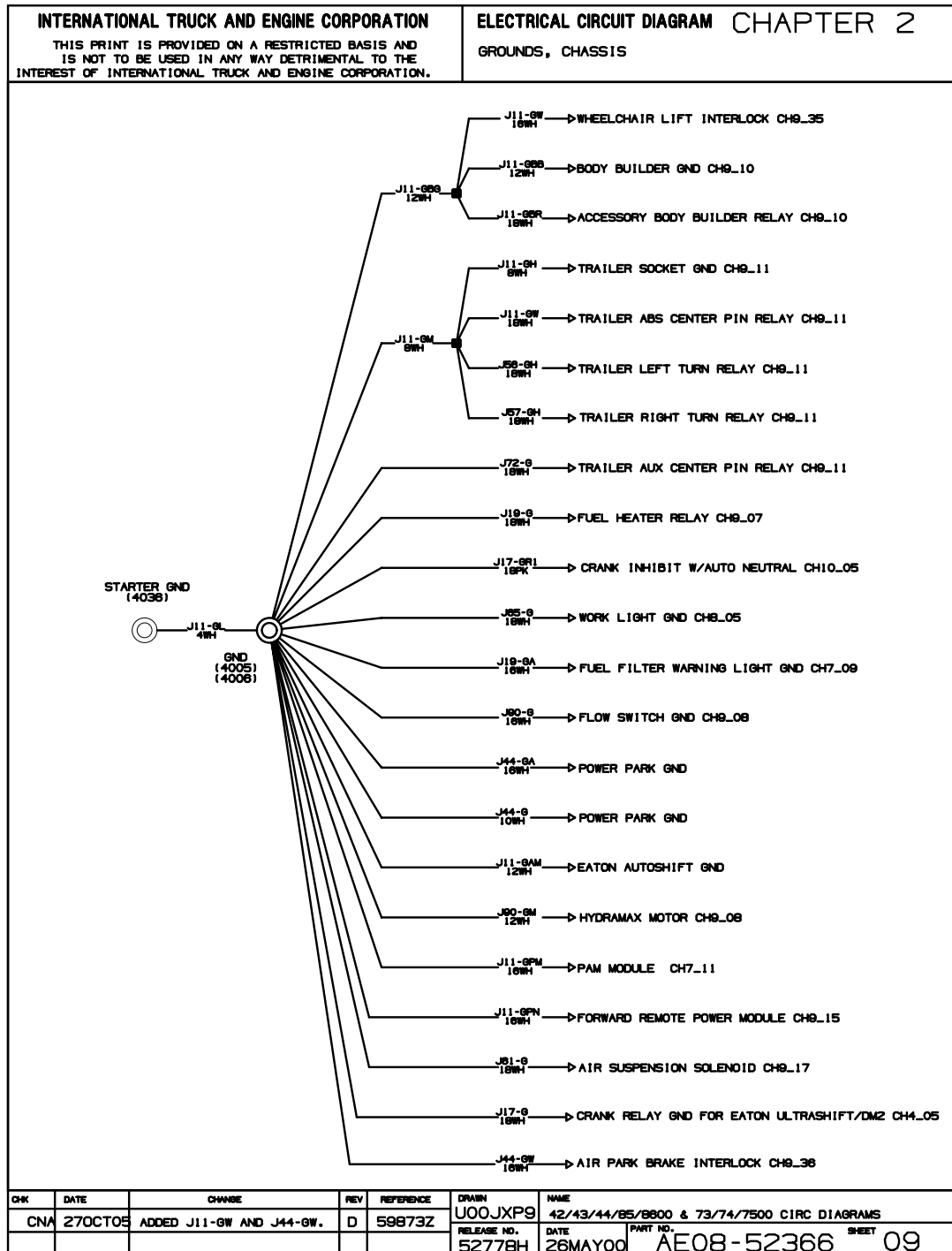


Figure 23 Grounds, Chassis (Cont.)

2.12. GROUNDS, IP, P. 10

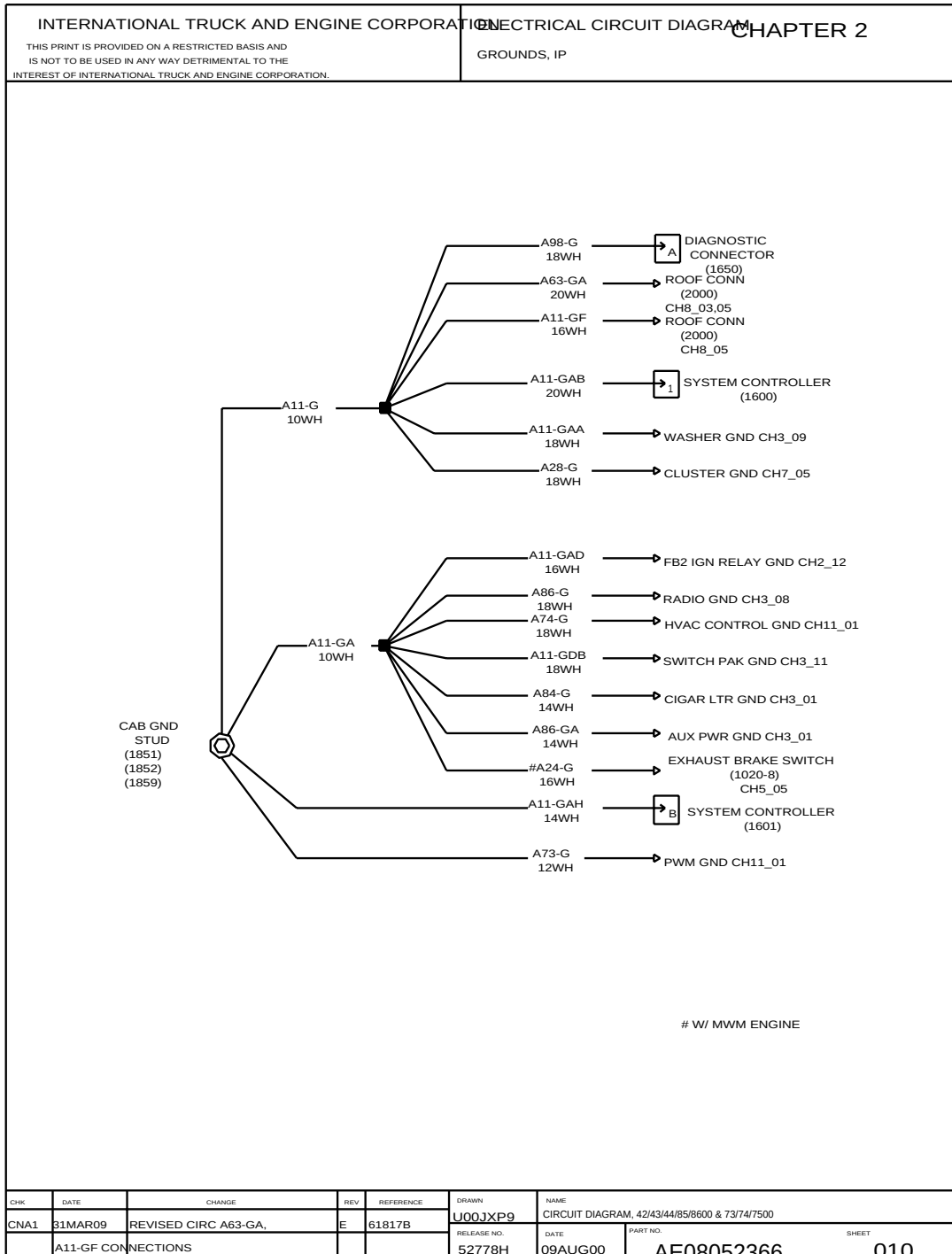


Figure 24 Grounds, IP

3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

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2.13. GROUNDS, IP, P. 11

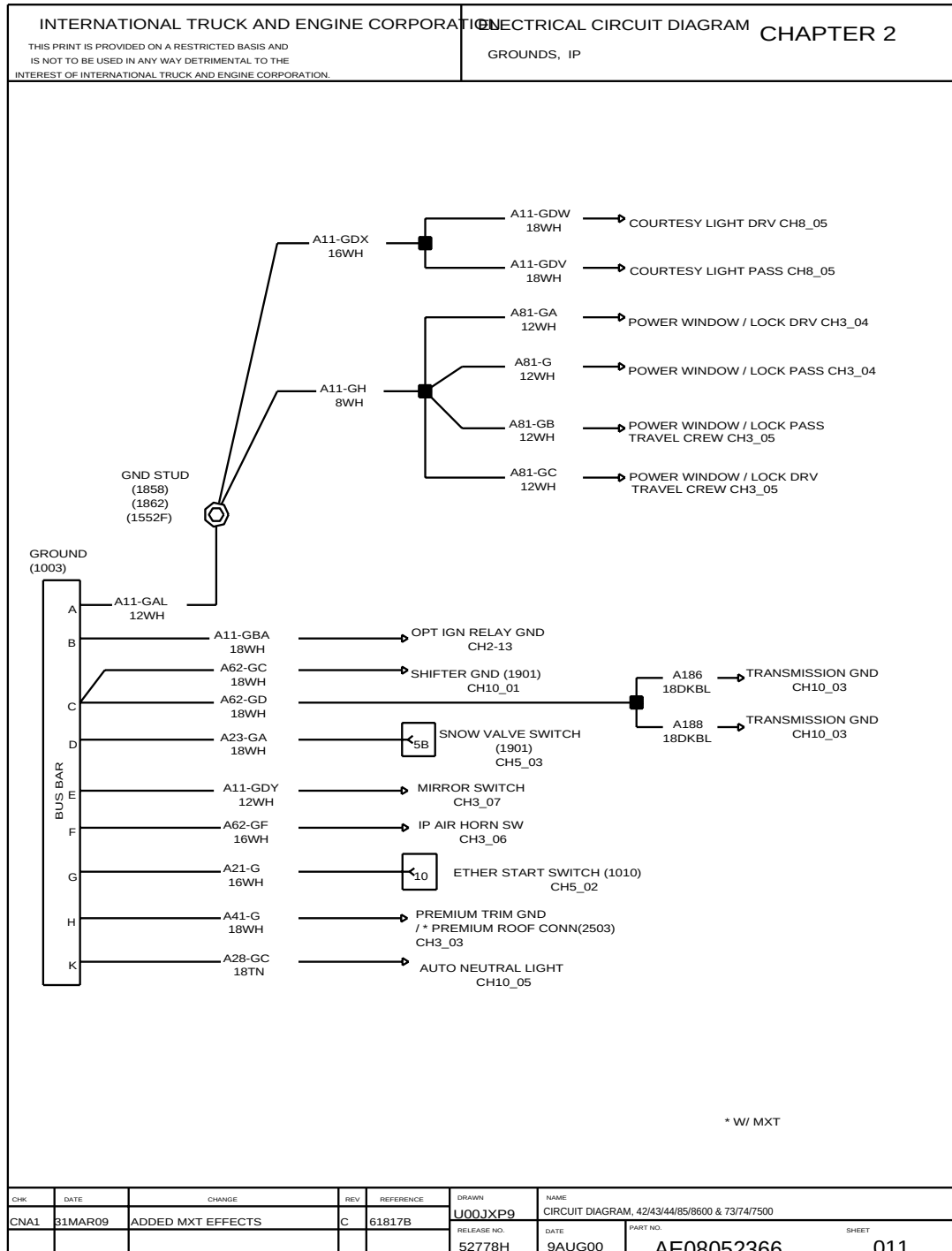


Figure 25 Grounds, IP

2.14. IGNITION CAB WITH THEFT DETERRENT, P. 12

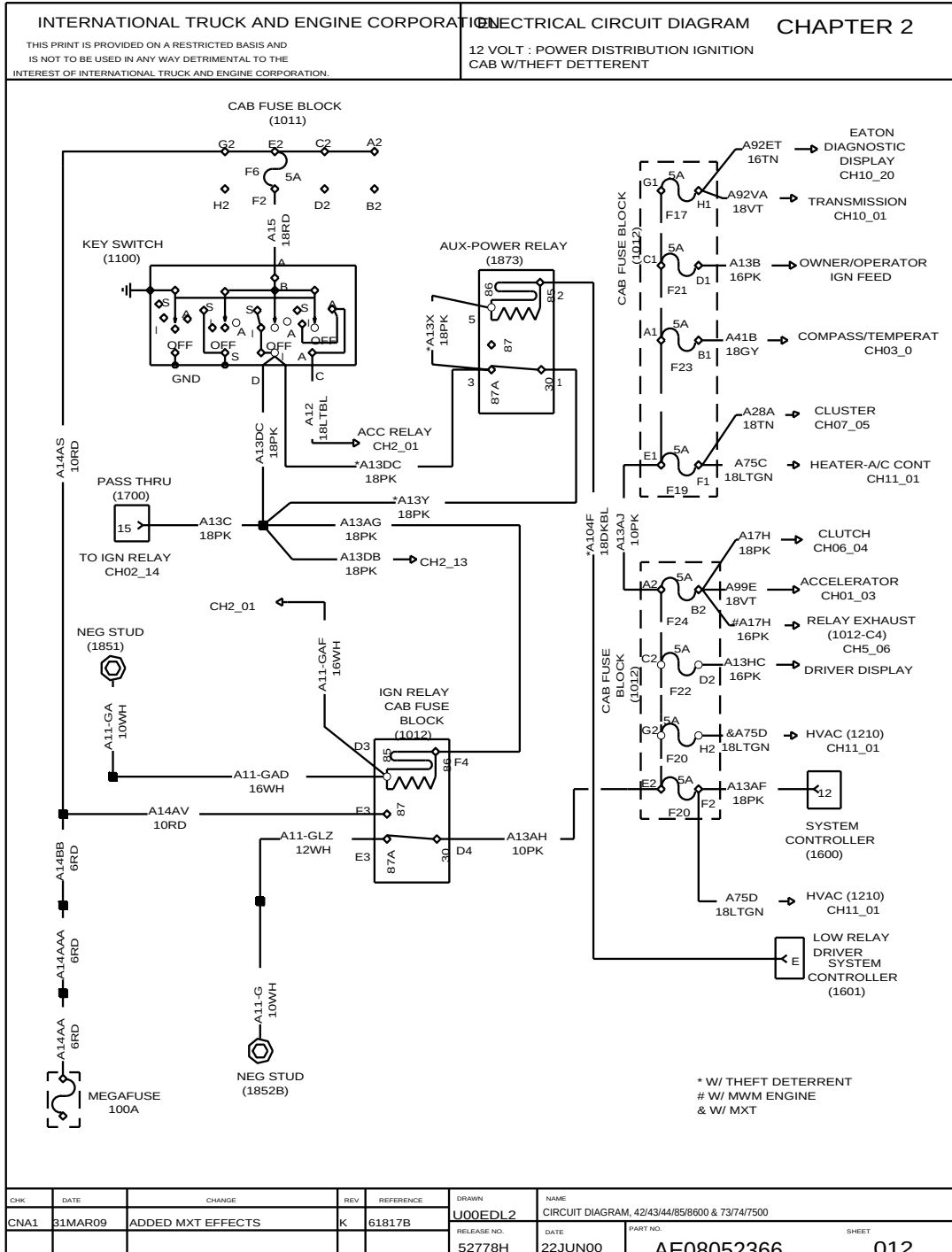


Figure 26 Ignition Cab with Theft Deterrent

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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2.15. IGNITION CAB, P. 13

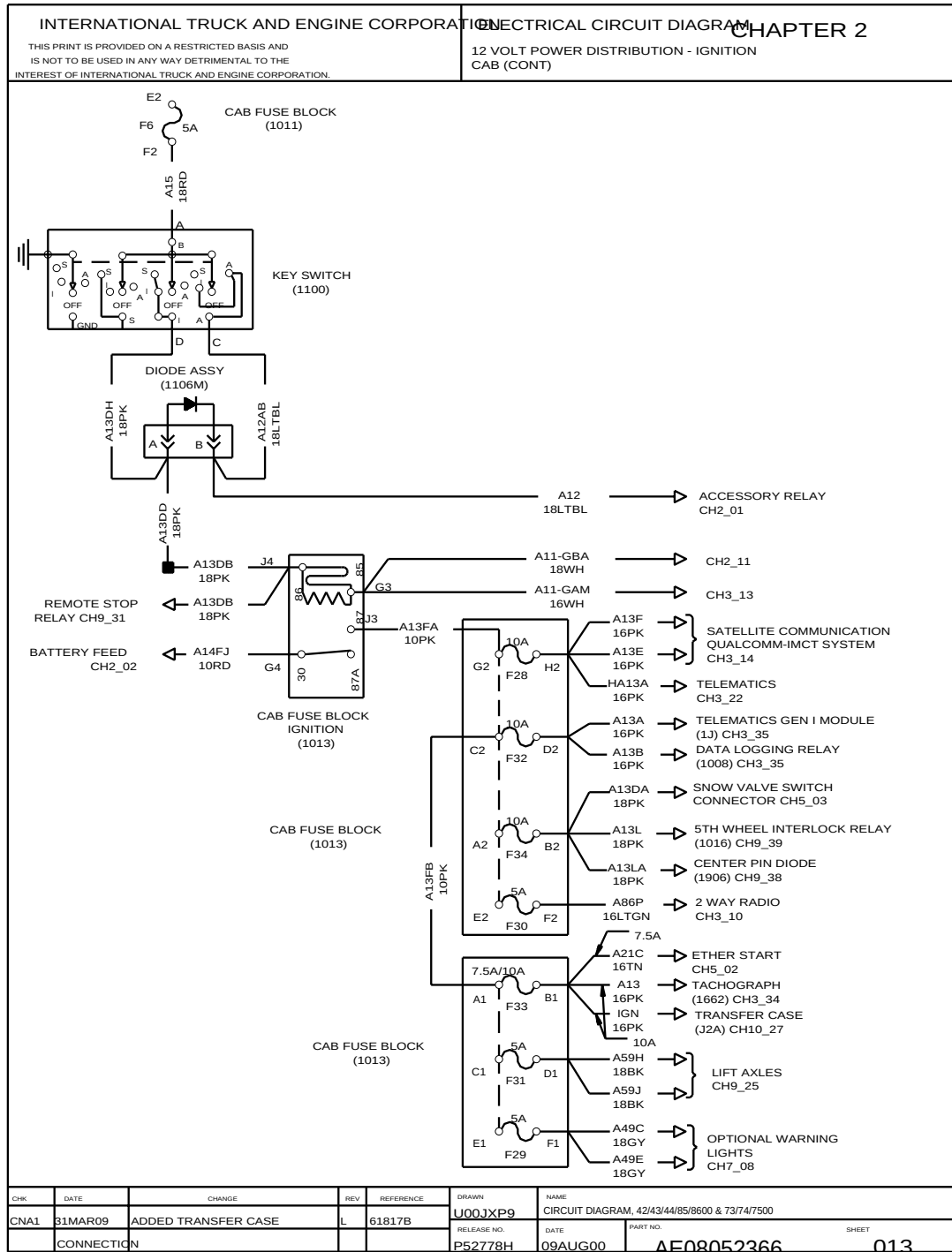


Figure 27 Ignition Cab (Cont.)

2.16. IGNITION FEEDS, CHASSIS, P. 14

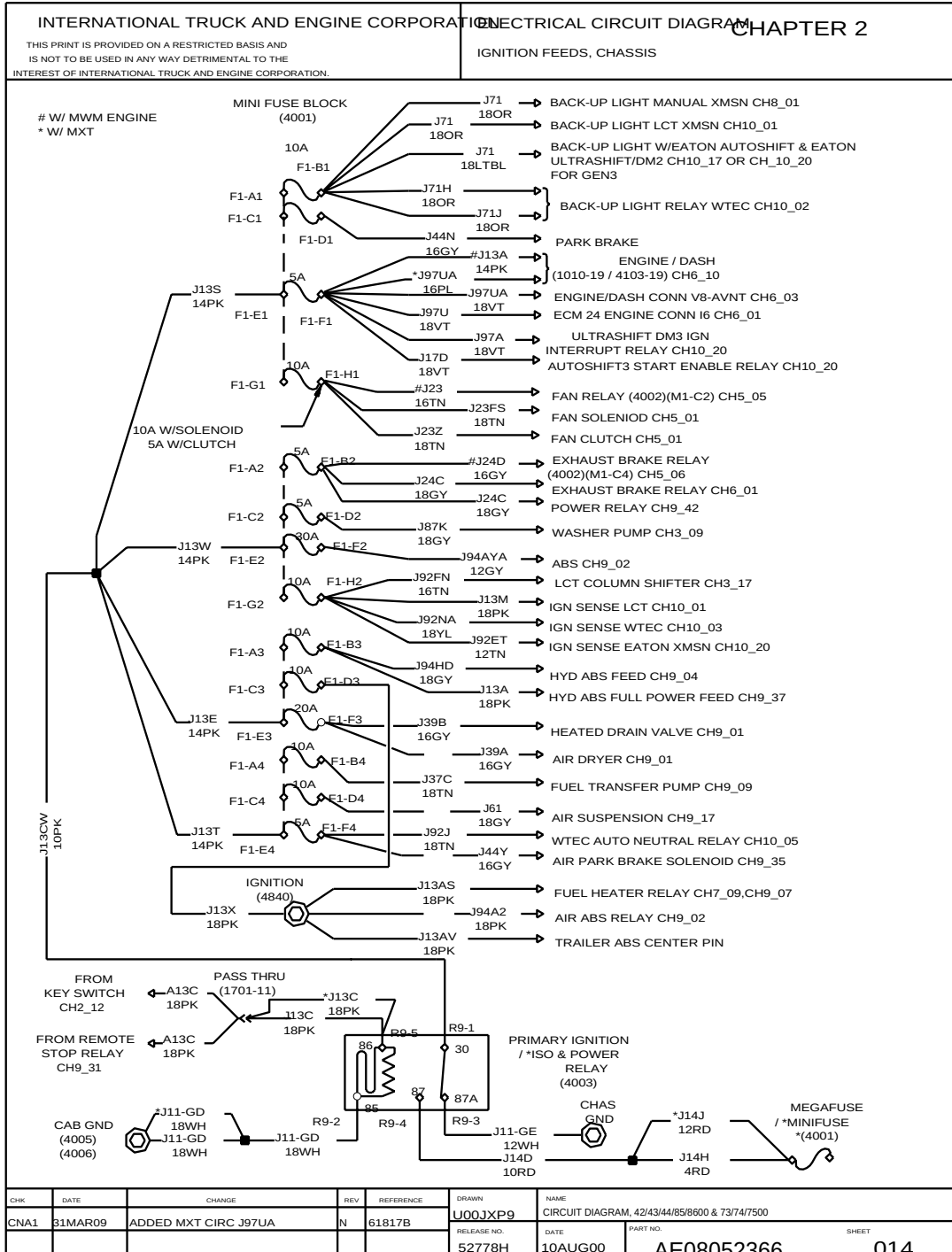


Figure 28 Ignition Feeds, Chassis

3. CAB ACCESSORIES (CHAPTER 3)

3.1. CIGAR LIGHTER AND POWER FEEDS, P. 1

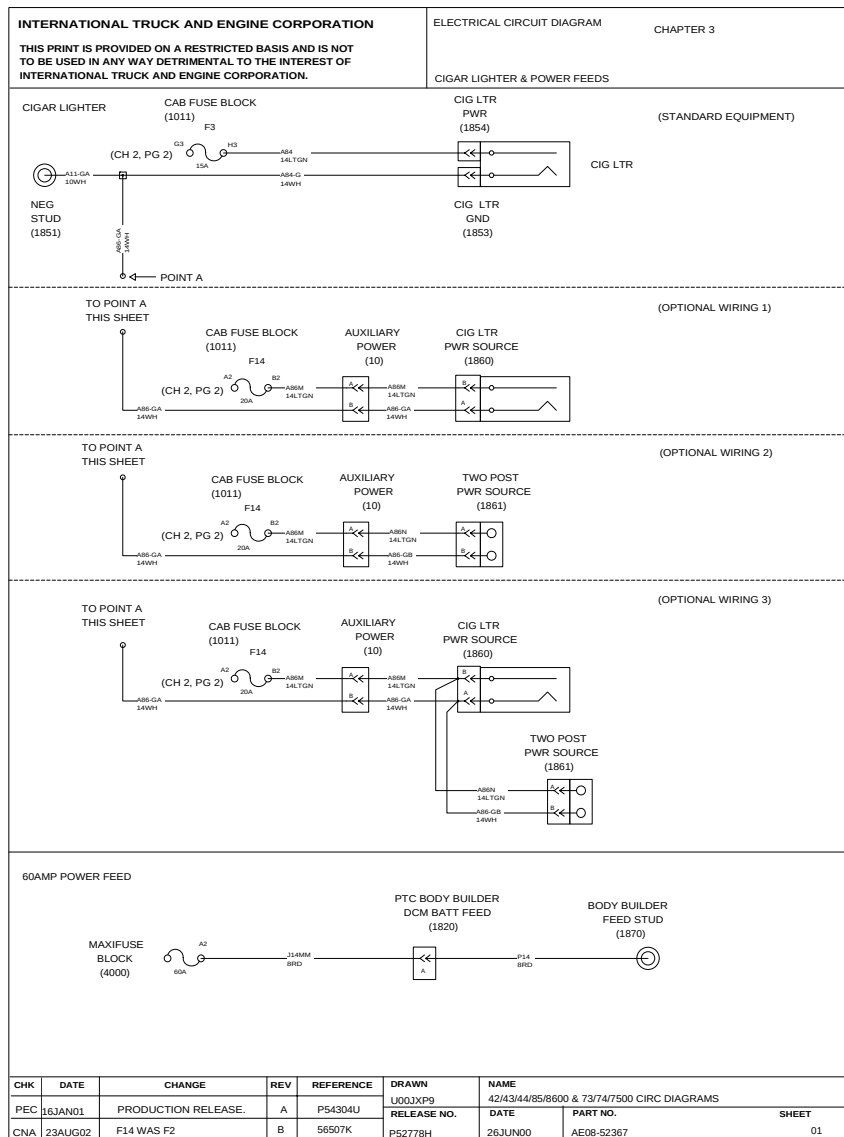


Figure 30 Cigar Lighter and Power Feeds

3.2. CB POWER, P. 2



3.3. COMPASS AND TEMPERATURE DISPLAY, P. 3

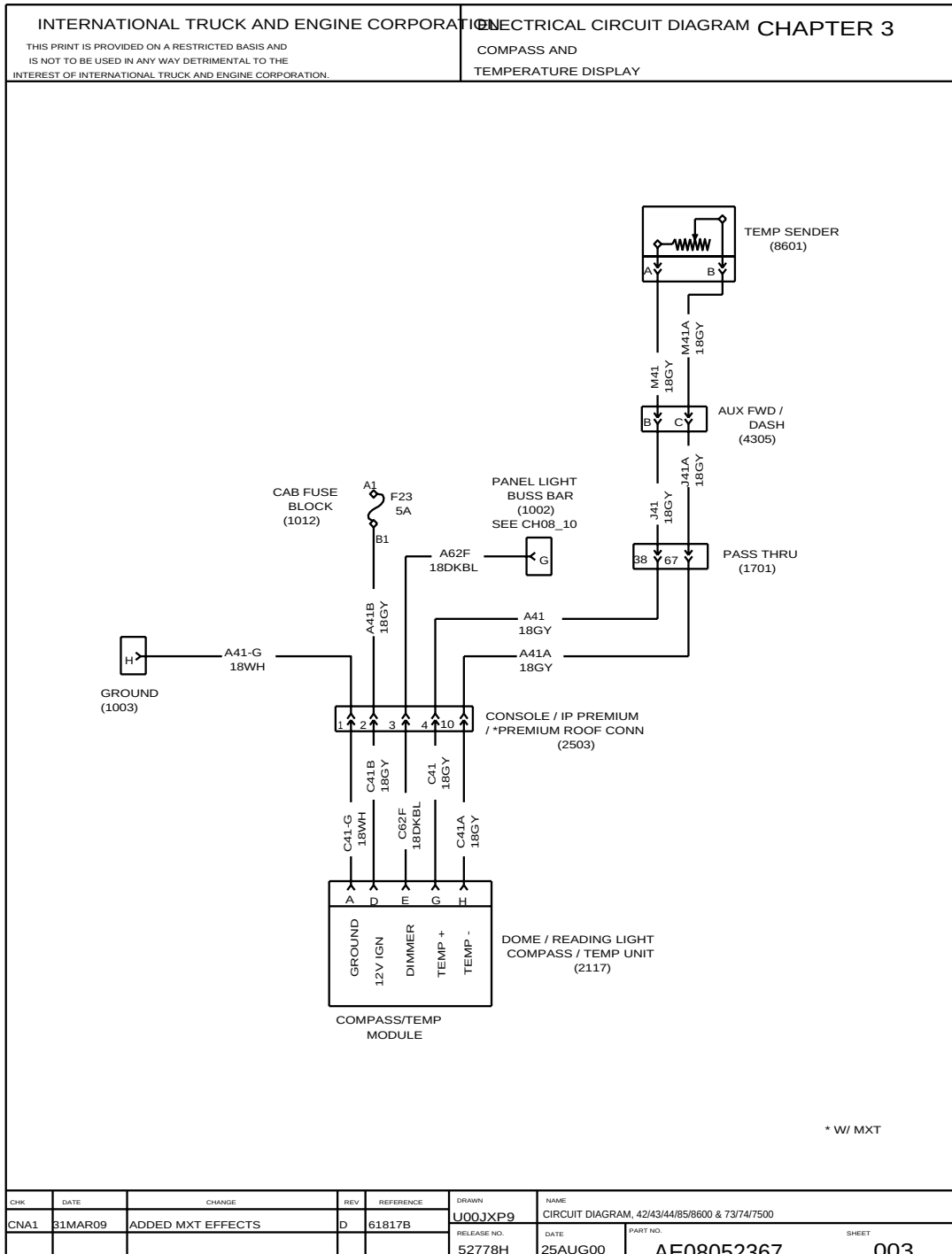


Figure 32 Compass and Temperature Display

3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

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3.4. FRONT DOORS WINDOWS AND LOCKS (POWER), P. 4

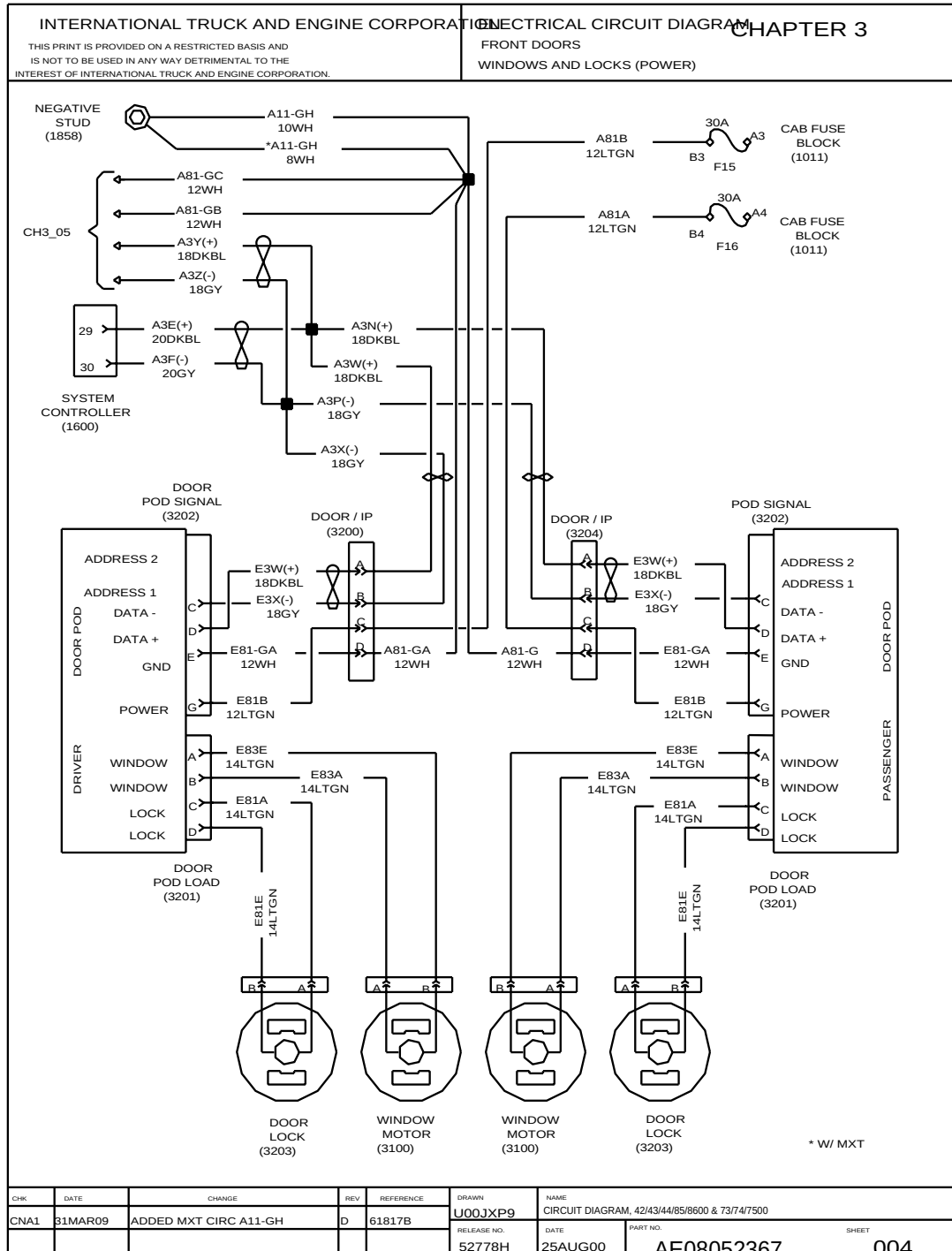


Figure 33 Front Doors Windows and Locks (Power)

3.5. CREW DOORS WINDOWS AND LOCKS (POWER), P. 5

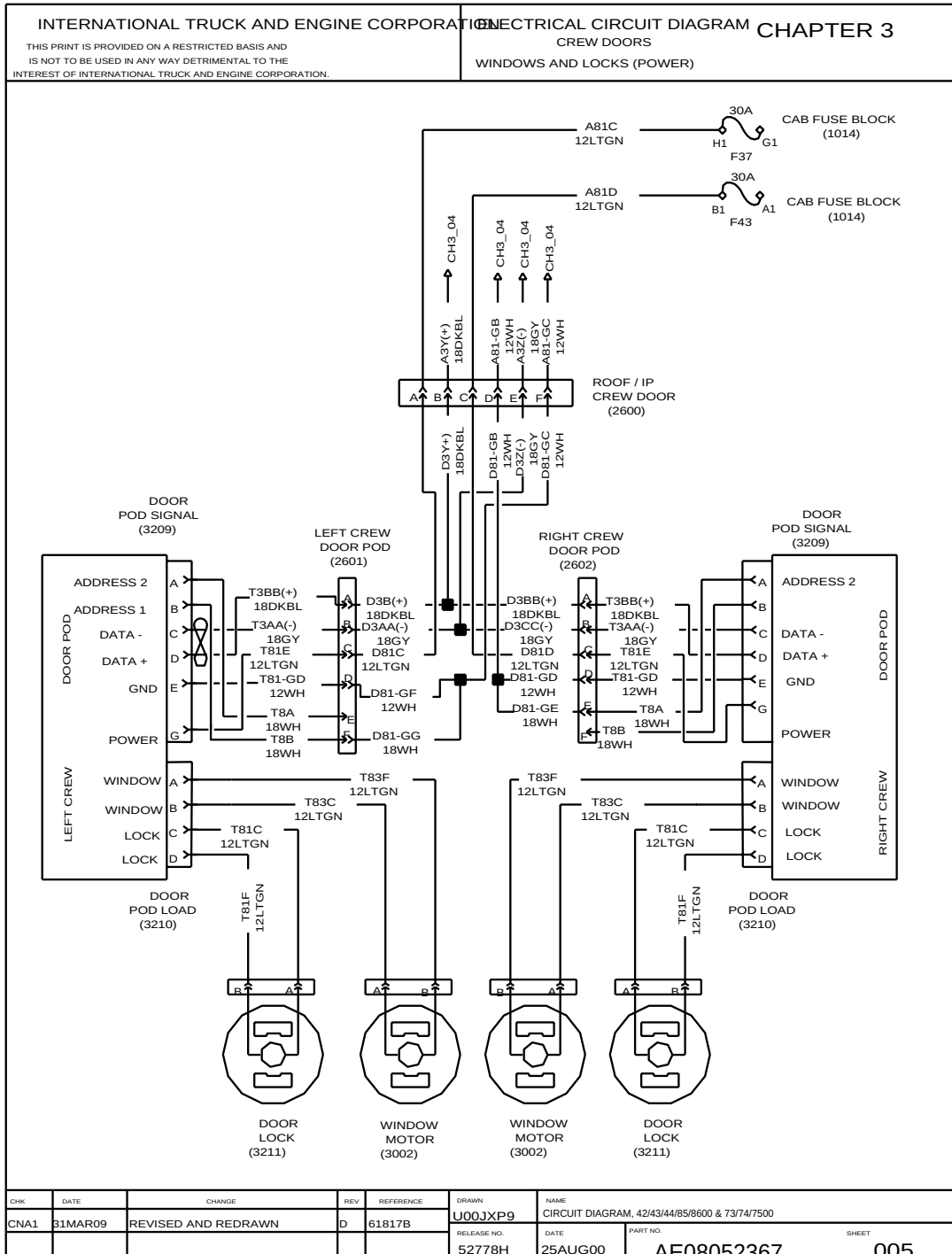


Figure 34 Crew Doors Windows and Locks (Power)

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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3.6. HORN, DUAL ELECTRIC, P. 6

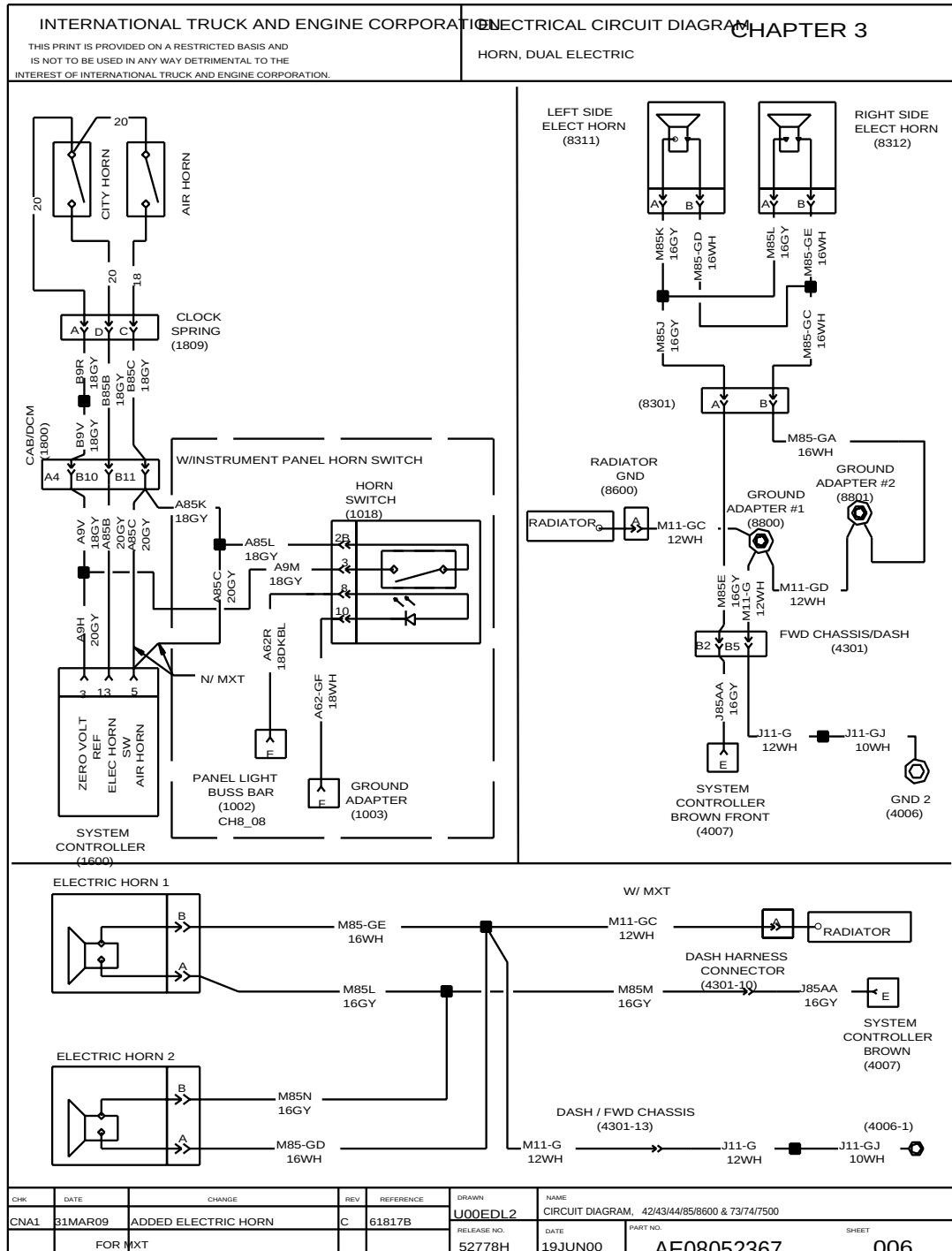


Figure 35 Horn, Dual Electric

3.7. MIRRORS (HEATED, LIGHTED AND POWER), P. 7

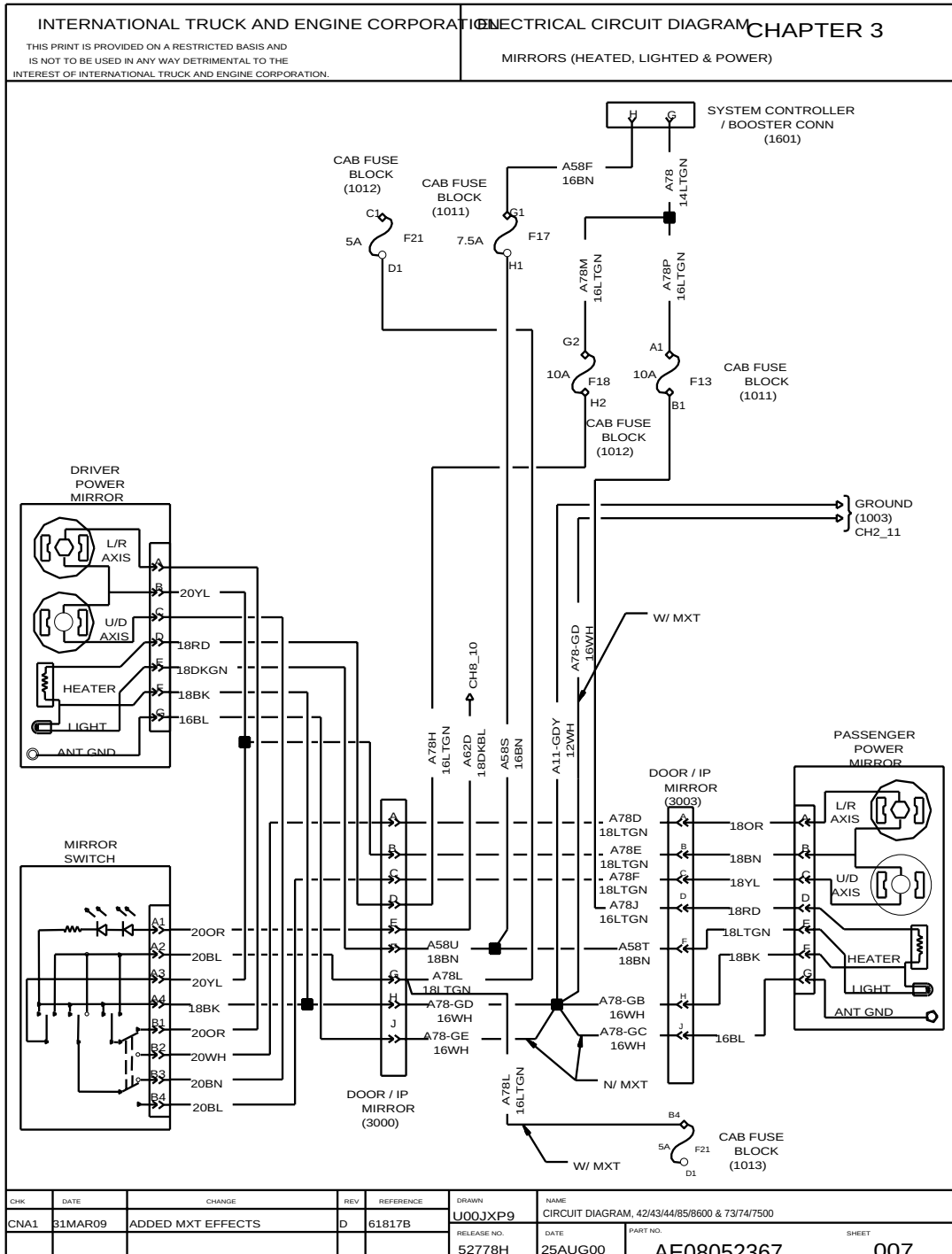


Figure 36 Mirrors (Heated, Lighted and Power)

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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3.8. RADIO (ENTERTAINMENT), SPEAKERS, P. 8

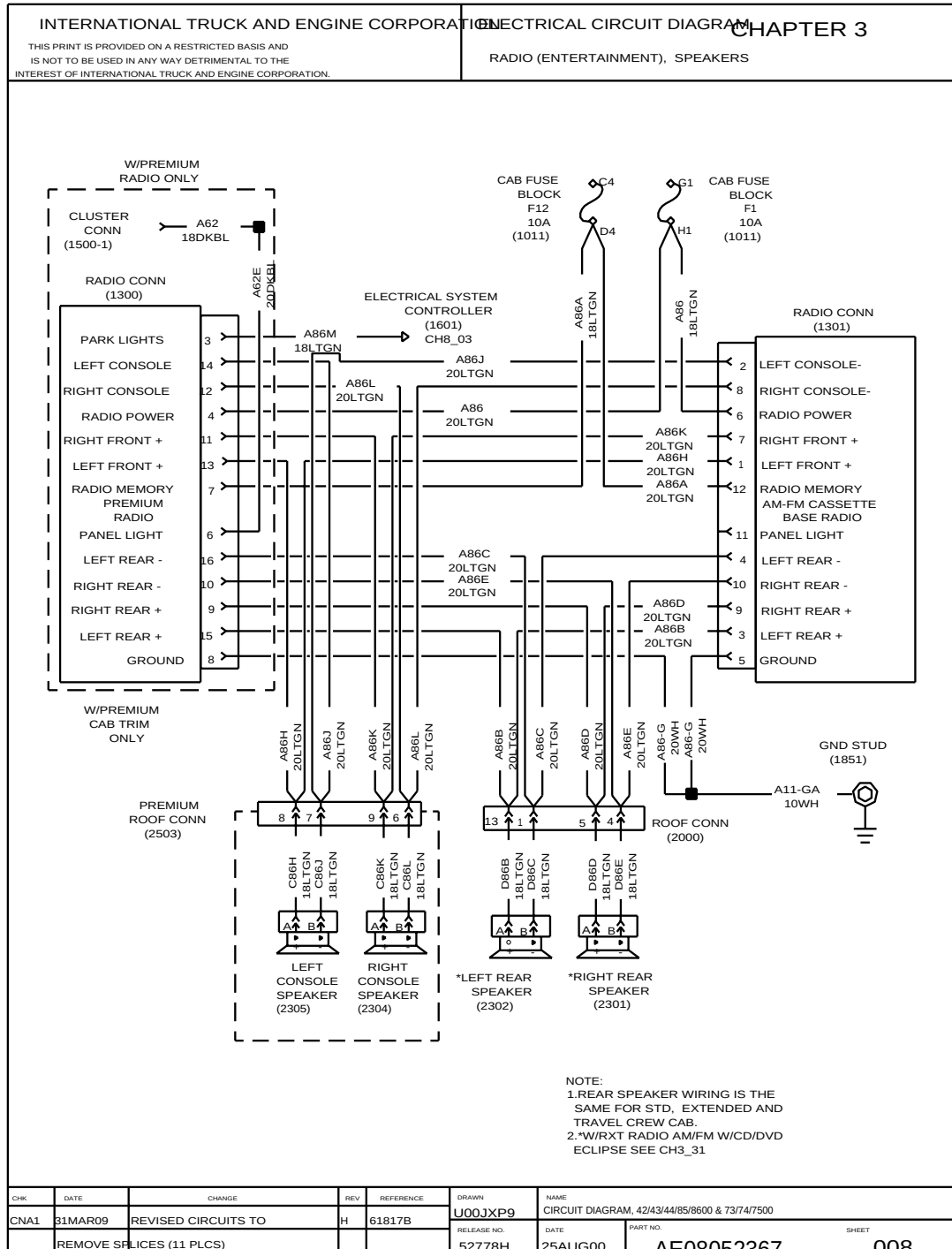


Figure 37 Radio (Entertainment), Speakers

3.9. WINDSHIELD WIPER AND WASHER PUMP, P. 9

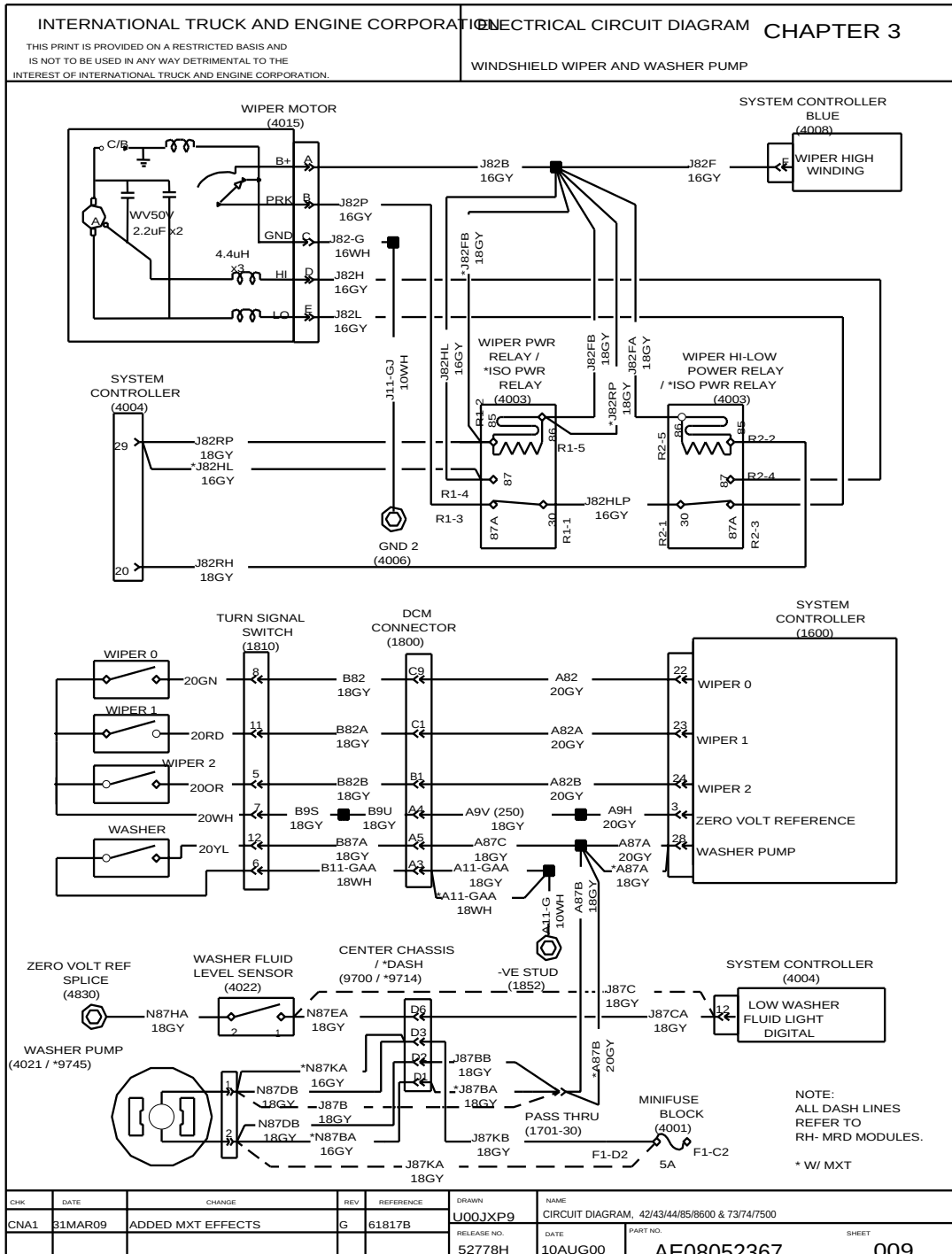


Figure 38 Windshield Wiper and Washer Pump

3.10. 2-WAY RADIO, P. 10

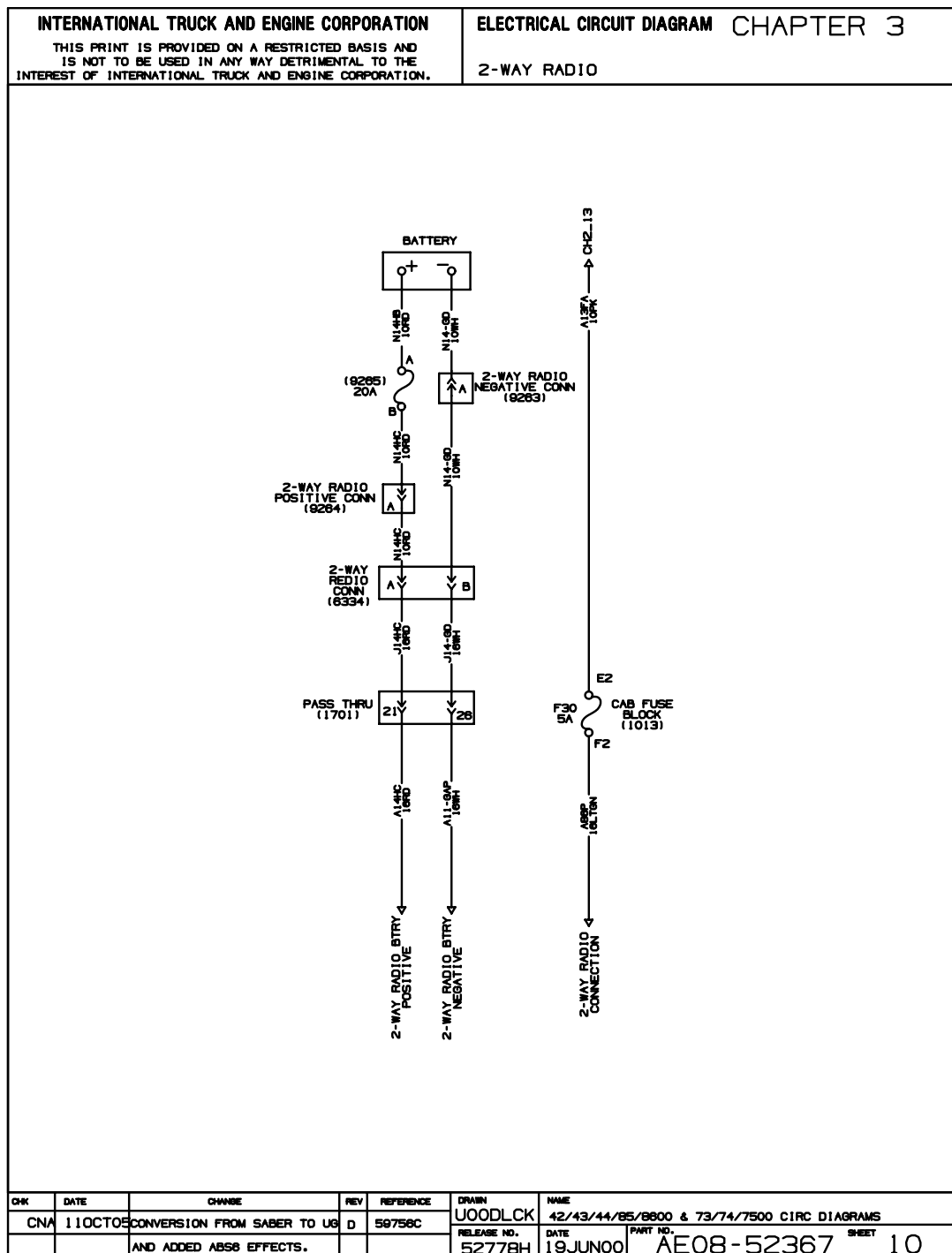


Figure 39 2-Way Radio

3.11. SWITCH PACK, OPTIONAL GAUGE PACK, P. 11

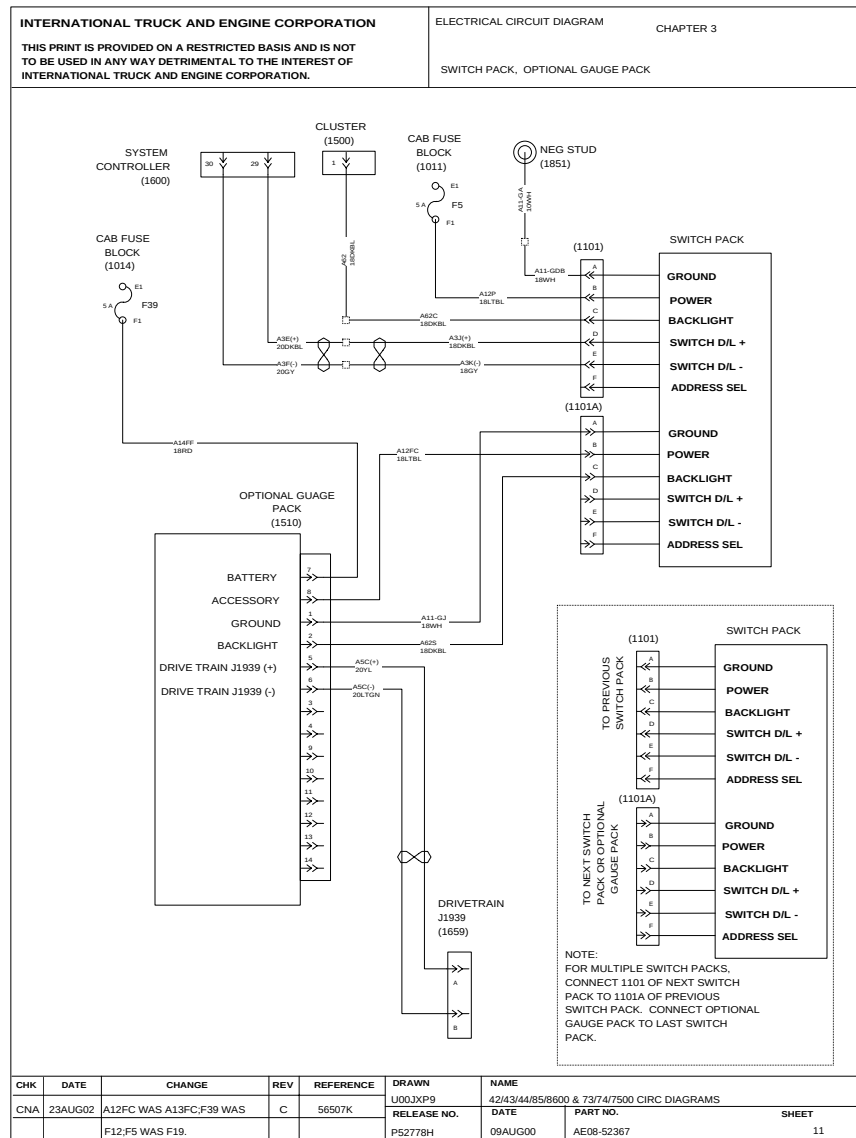


Figure 40 Switch Pack, Optional Gauge Pack

3.12. LIGHTED AIR SHIELD, P. 12

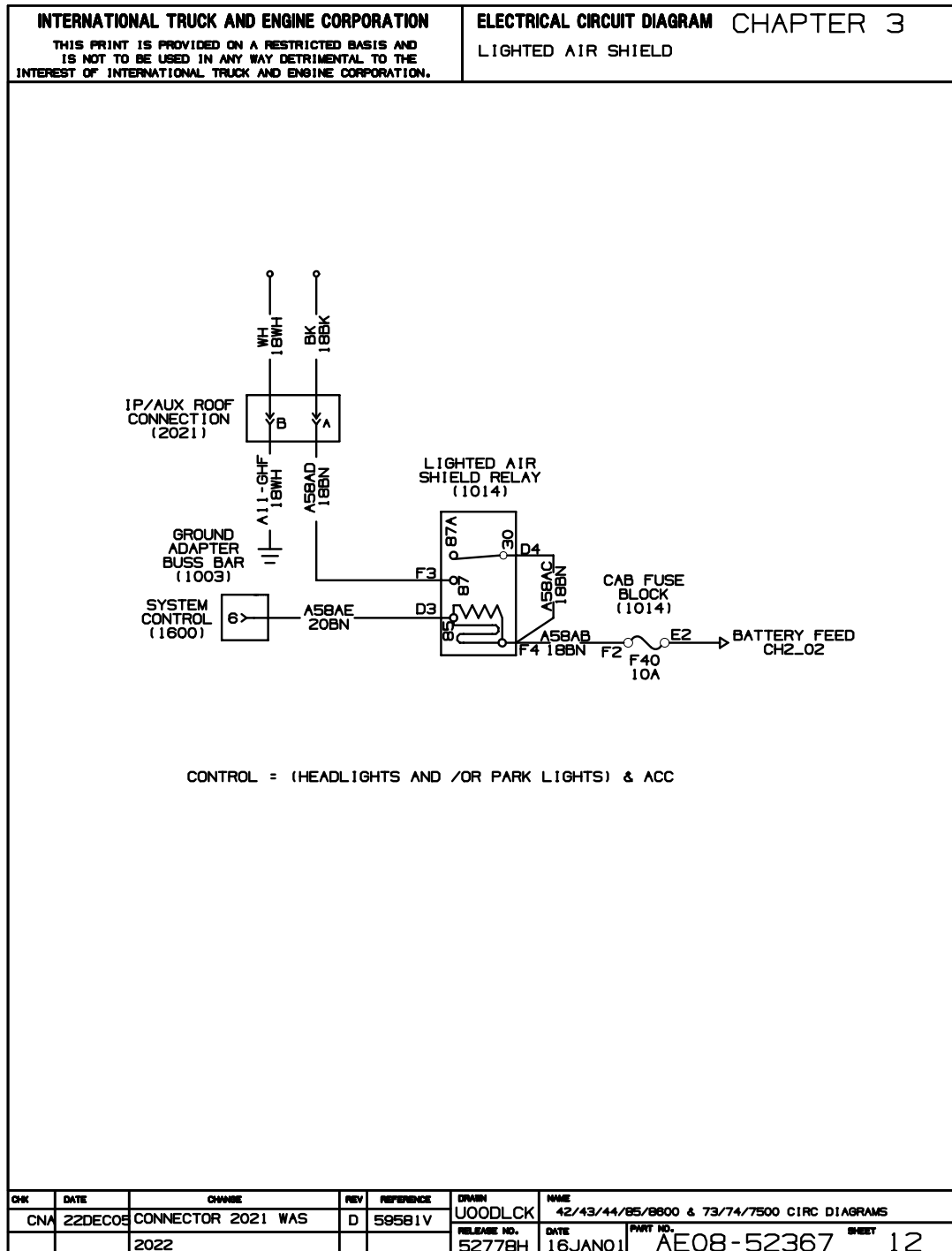


Figure 41 Lighted Air Shield

3.13. ROOF AUX. LOAD, P. 13

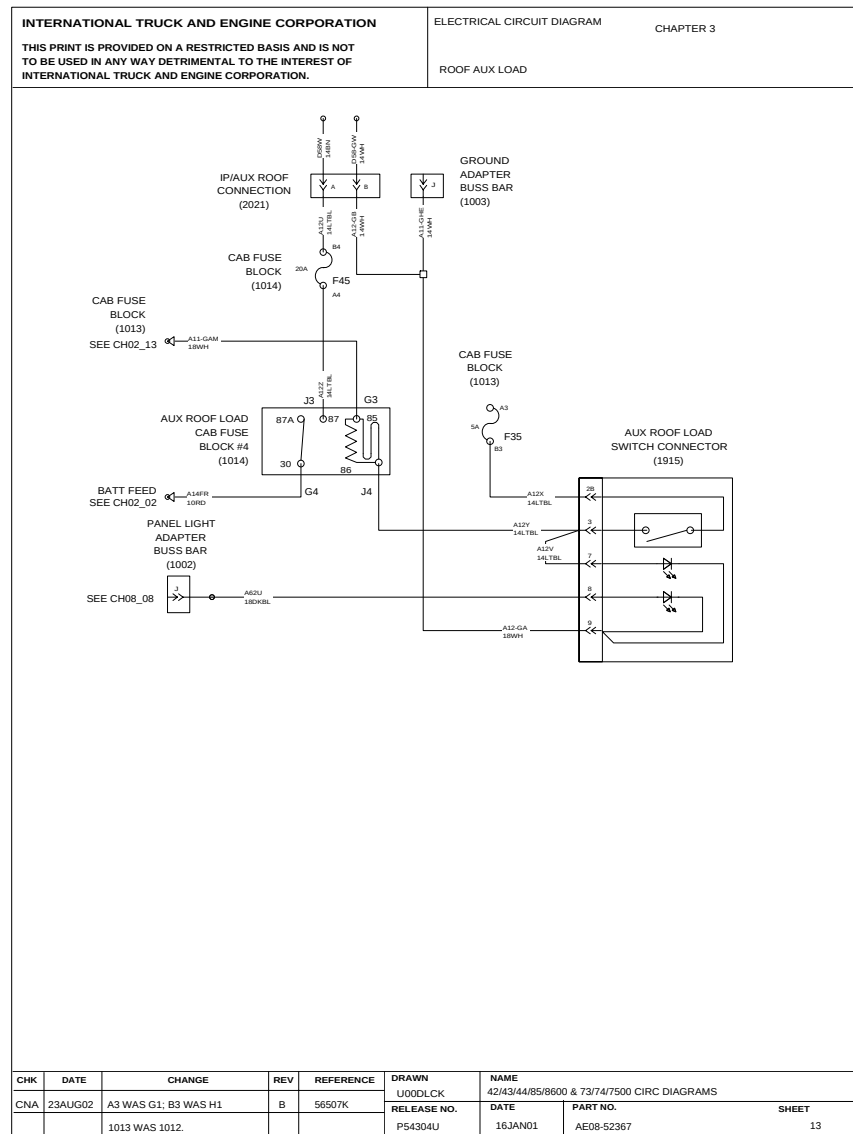


Figure 42 Roof Aux. Load

3.14. SATELLITE COMMUNICATION QUALCOMM-MCT AND IMCT SYSTEMS, P. 14

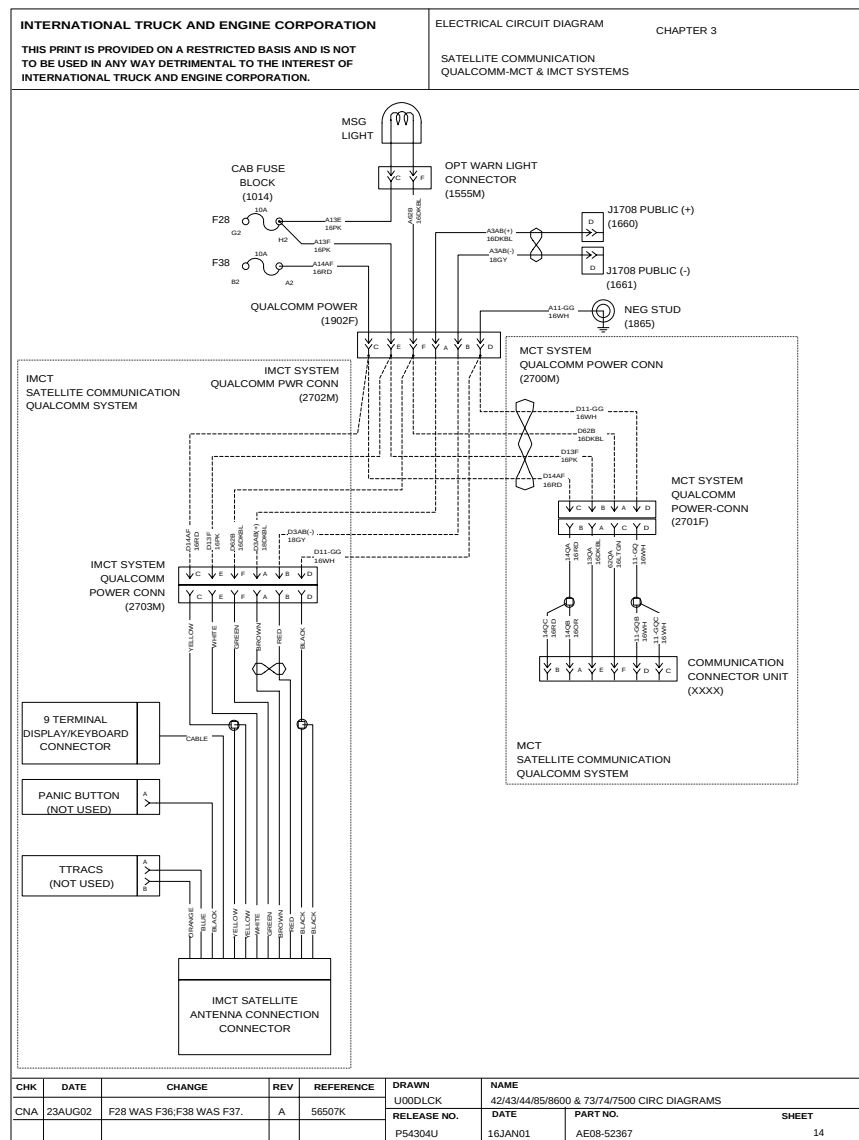


Figure 43 Satellite Communication Qualcomm-MCT and IMCT Systems

3.15. SELF CONTAINED AIR SEAT, P. 15

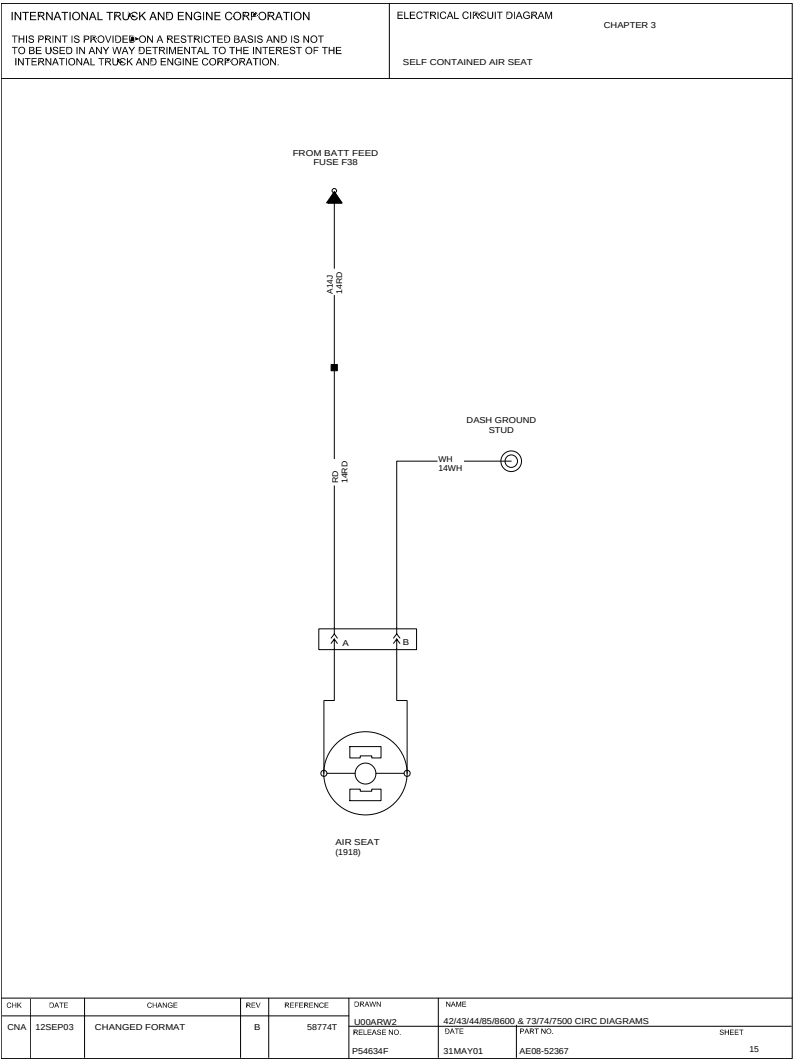


Figure 44 Self Contained Air Seat

3.16. DIGITAL CLOCK PTC, P. 16

INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE INTERNATIONAL TRUCK AND ENGINE CORPORATION.					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 3 DIGITAL CLOCK PTC		
GEOMETRY WAS REMOVED							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA	12SEP03	CHANGED FORMAT	B	58774T	LD00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	PART NO.
					P54634F	05MAY01	AE08-52367
						SHEET	16

Figure 45 Digital Clock PTC

3.17. TRANSMISSION ALLISON LCT COLUMN SHIFTER, P. 17

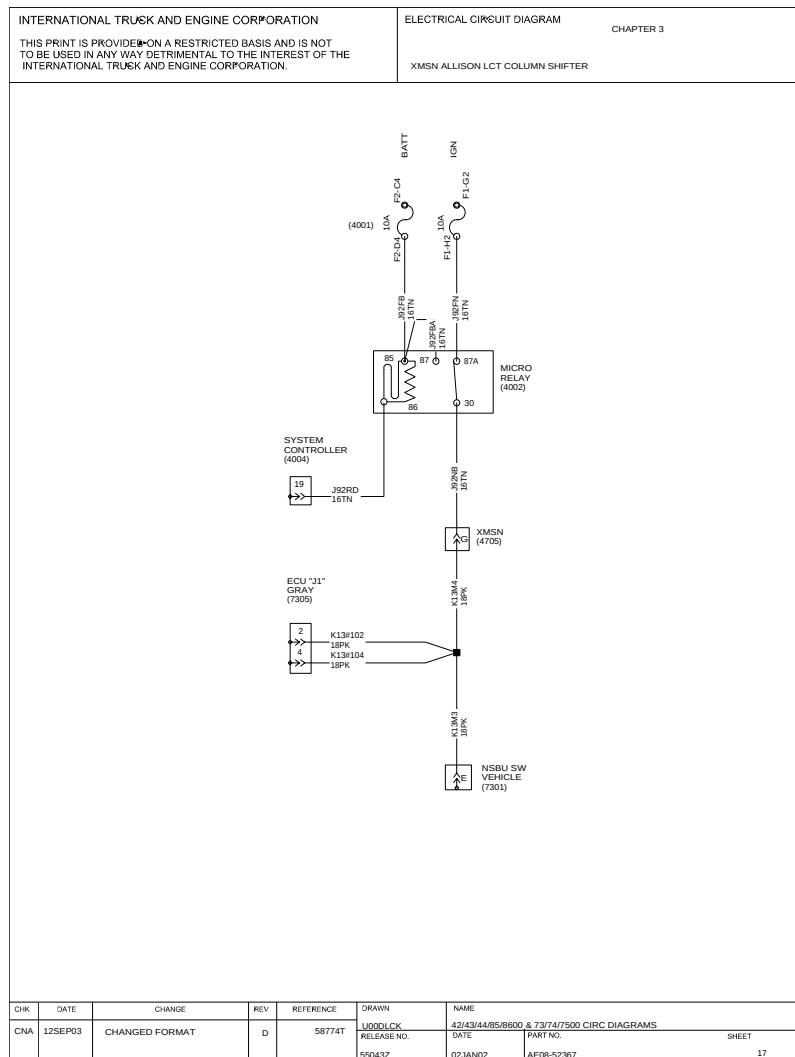


Figure 46 Transmission Allison LCT Column Shifter

3.18. HEATED SEATS FOR 7700 MODELS ONLY, P. 18

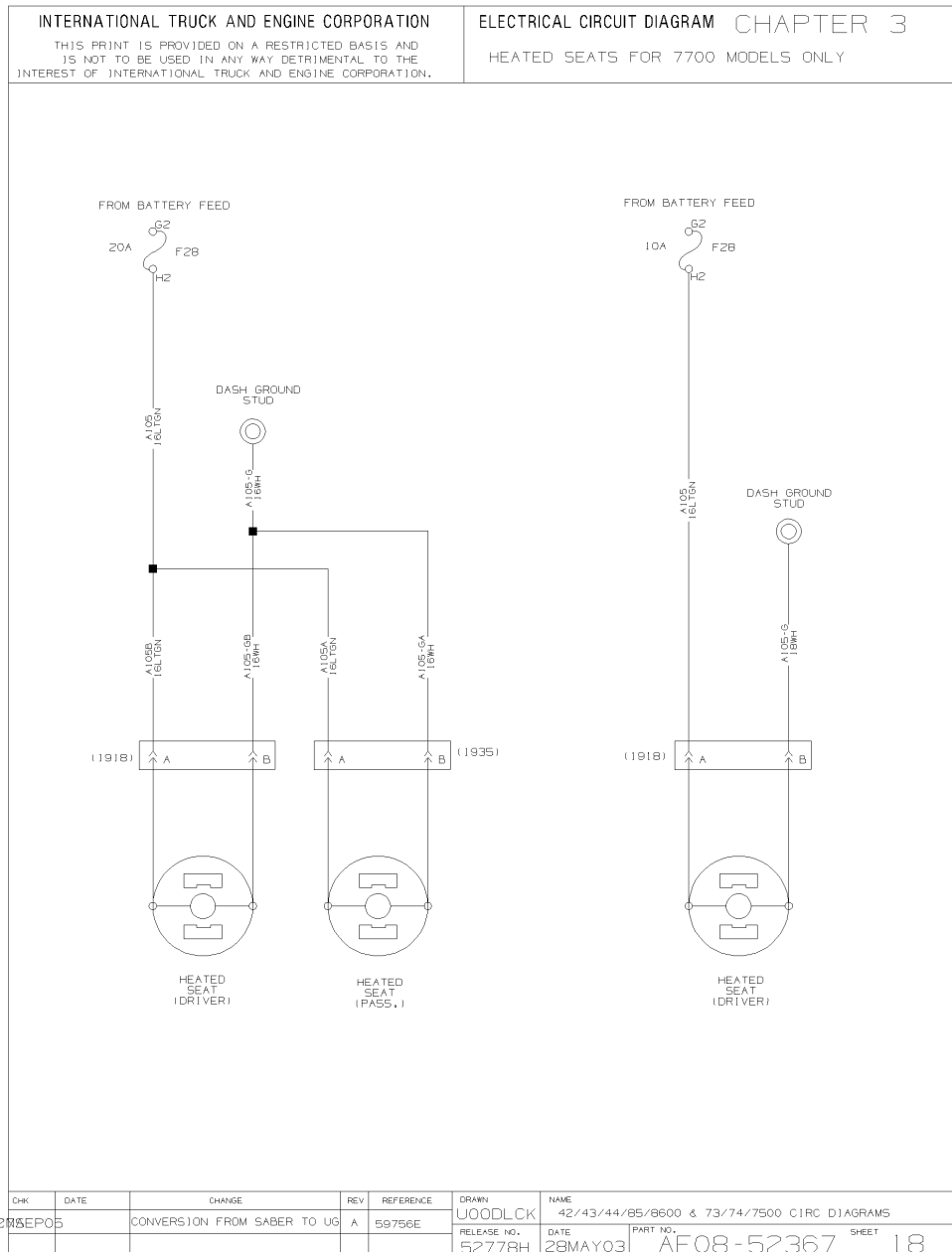


Figure 47 Heated Seats for 7700 Models Only

3.19. BACKUP CAMERA, P. 19

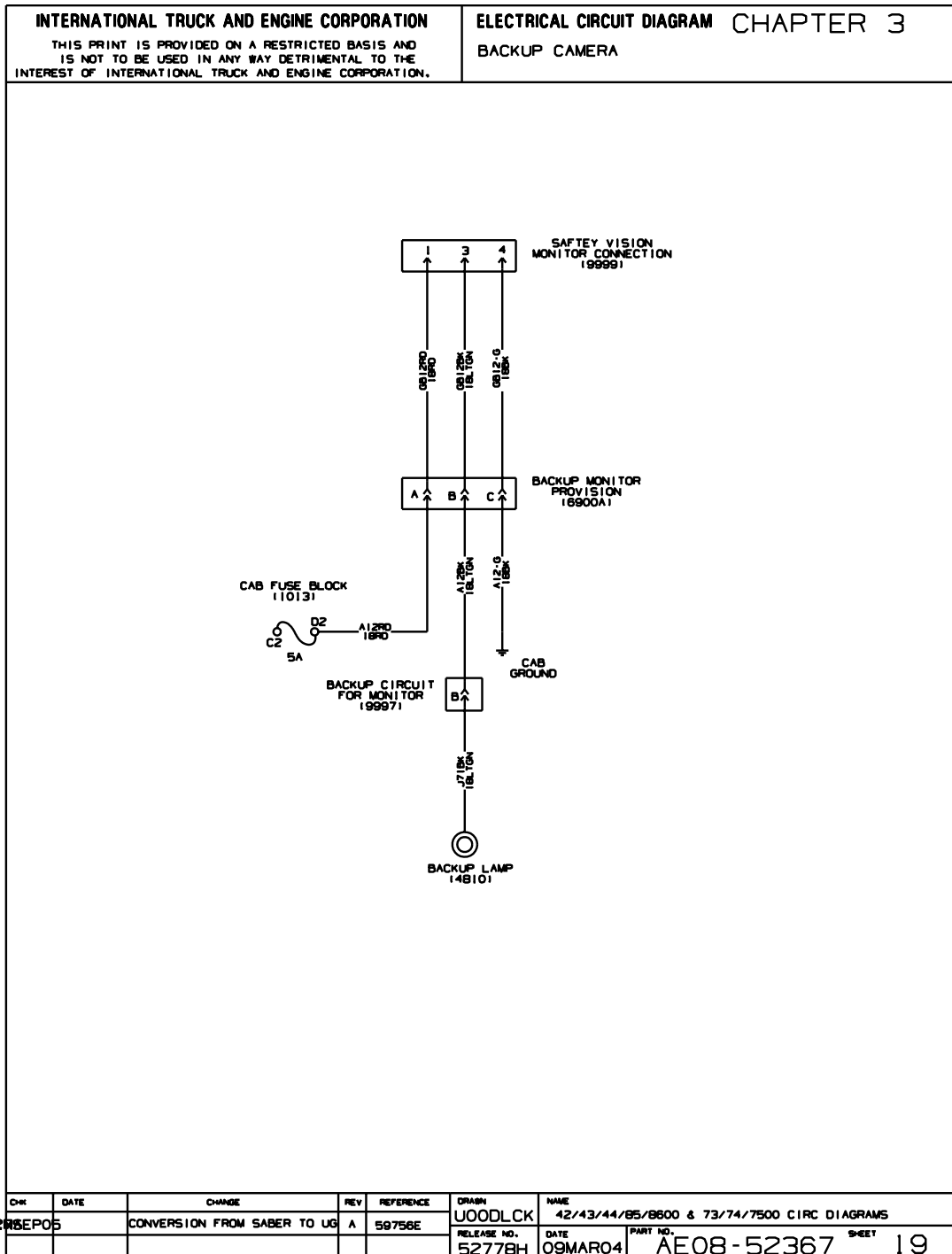


Figure 48 Backup Camera

3.20. XATA COMPUTER, P. 20

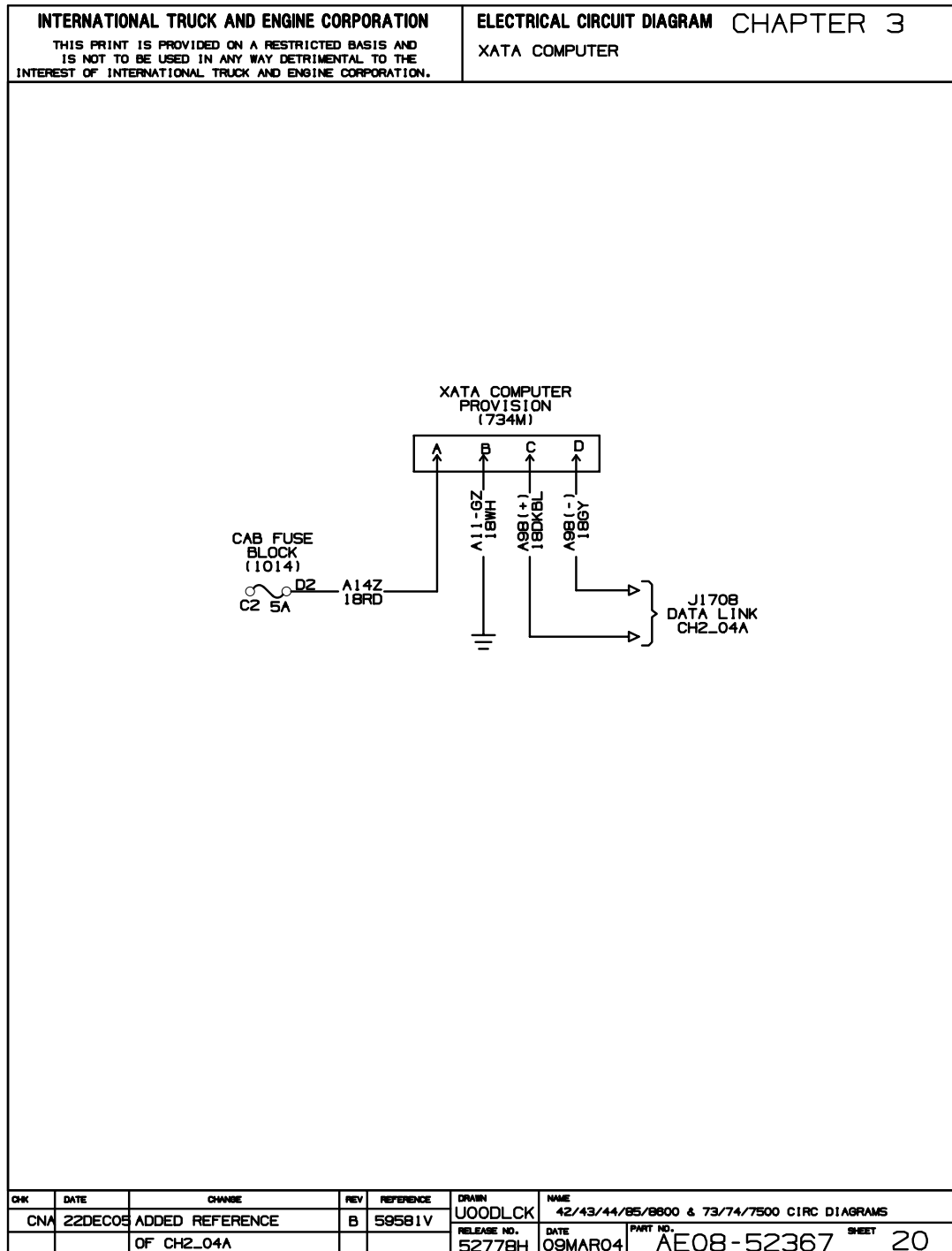


Figure 49 XATA Computer

3.21. KEYLESS IGNITION SYSTEM, P. 21

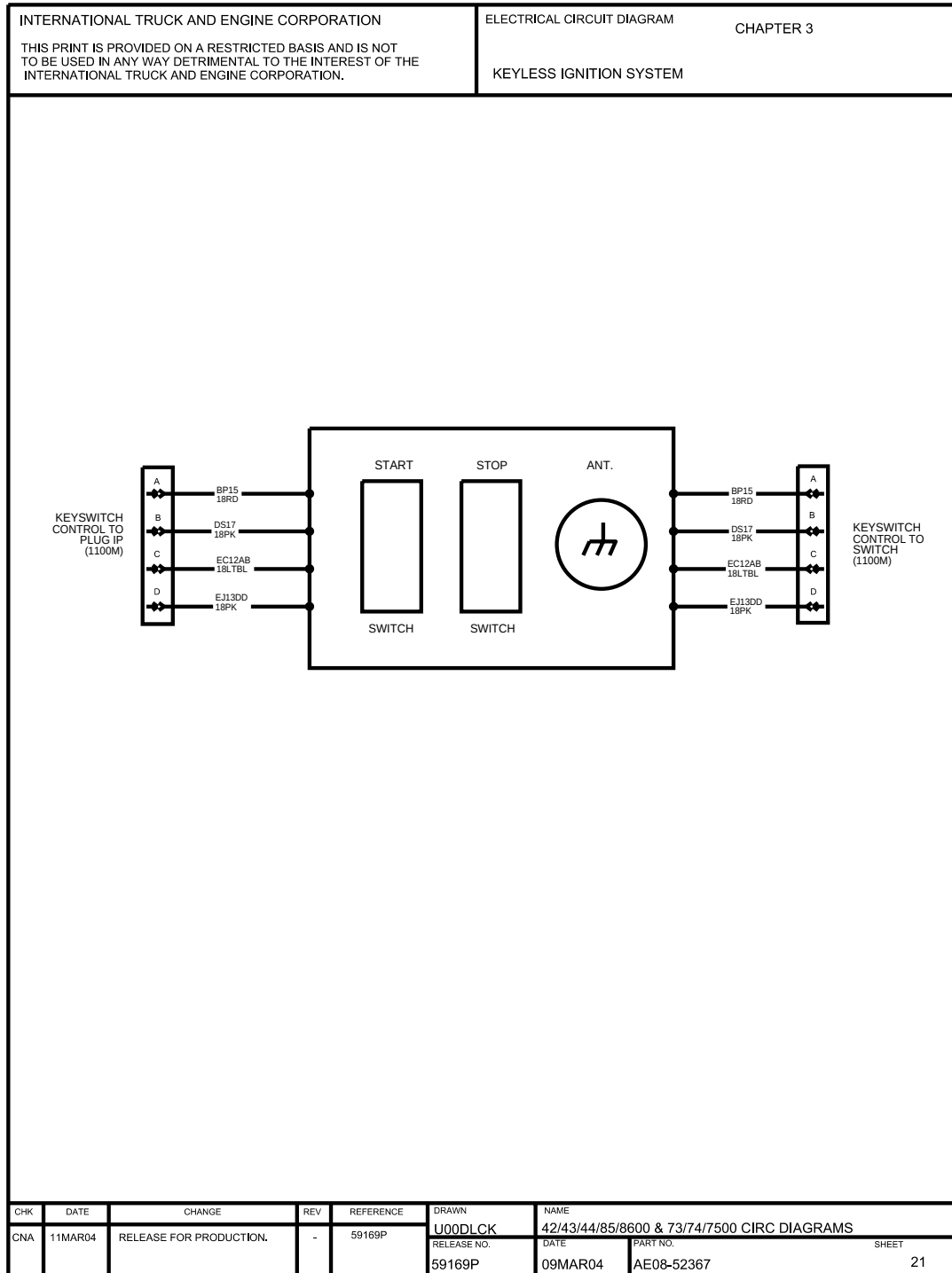


Figure 50 Keyless Ignition System

3.22. TELEMATICS SYSTEM, P. 22

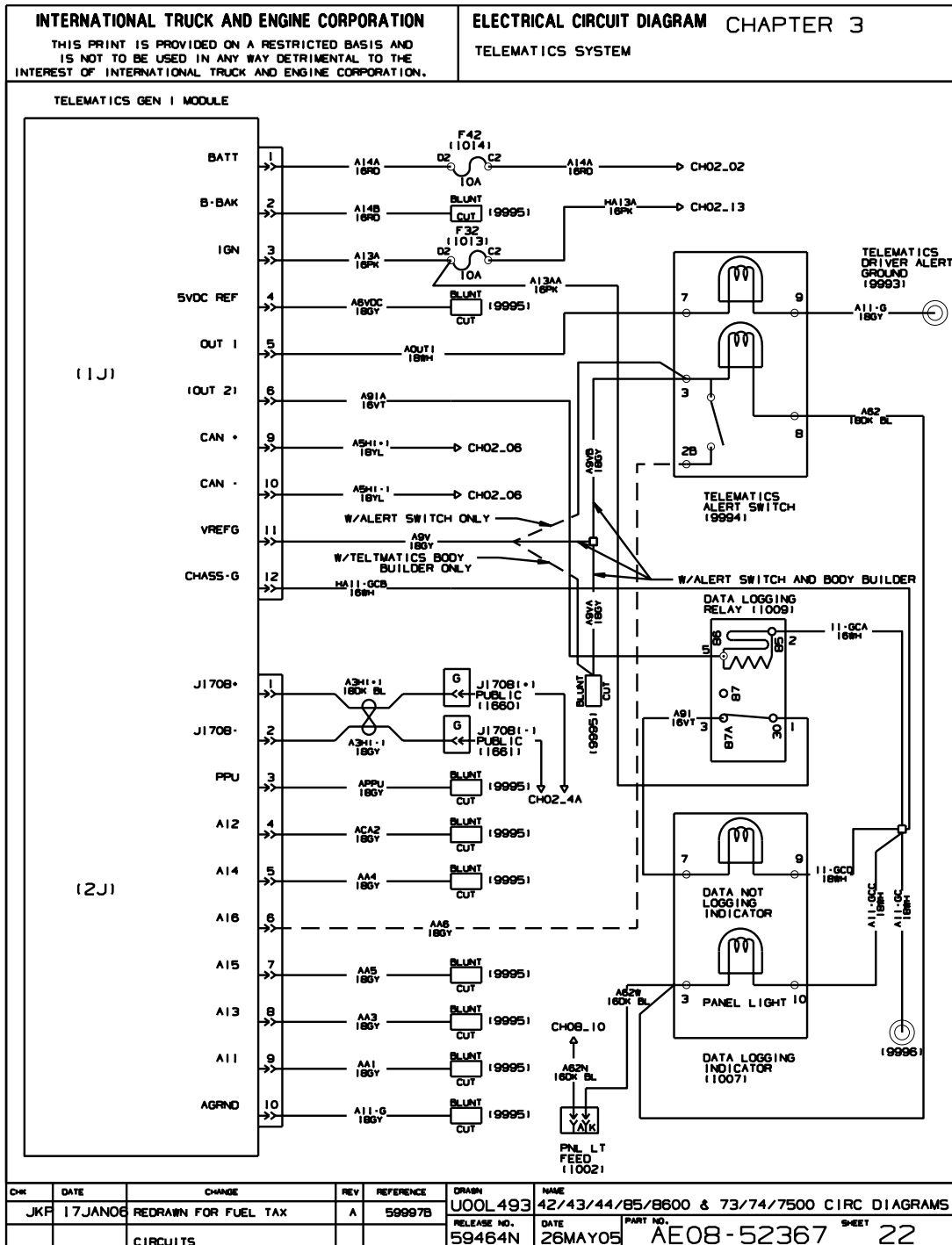


Figure 51 Telematics System

3.23. EATON VORAD COLLISION AVOIDANCE SYSTEM, P. 23

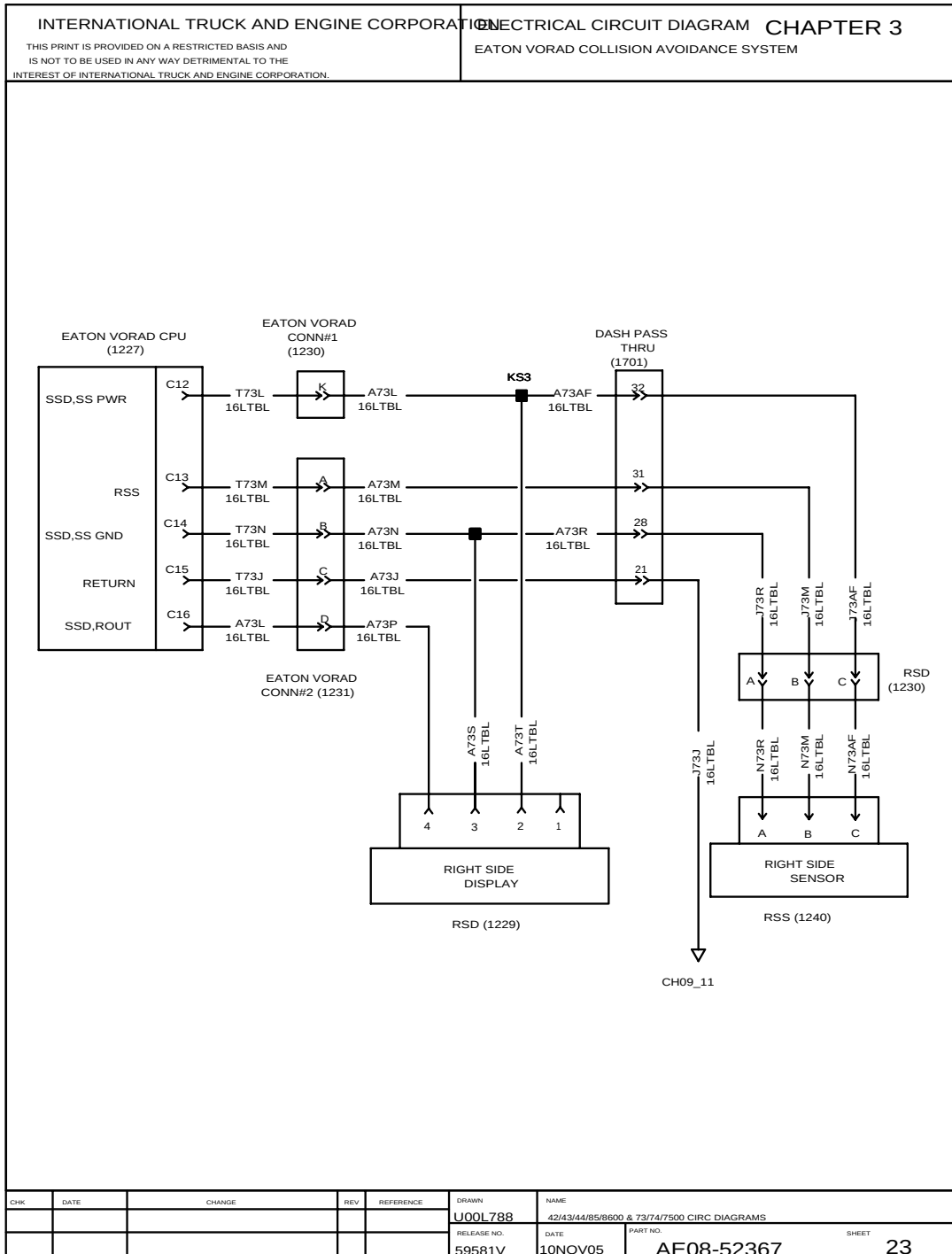


Figure 52 Eaton Vorad Collision Avoidance System

3.24. EATON VORAD COLLISION AVOIDANCE SYSTEM, P. 24

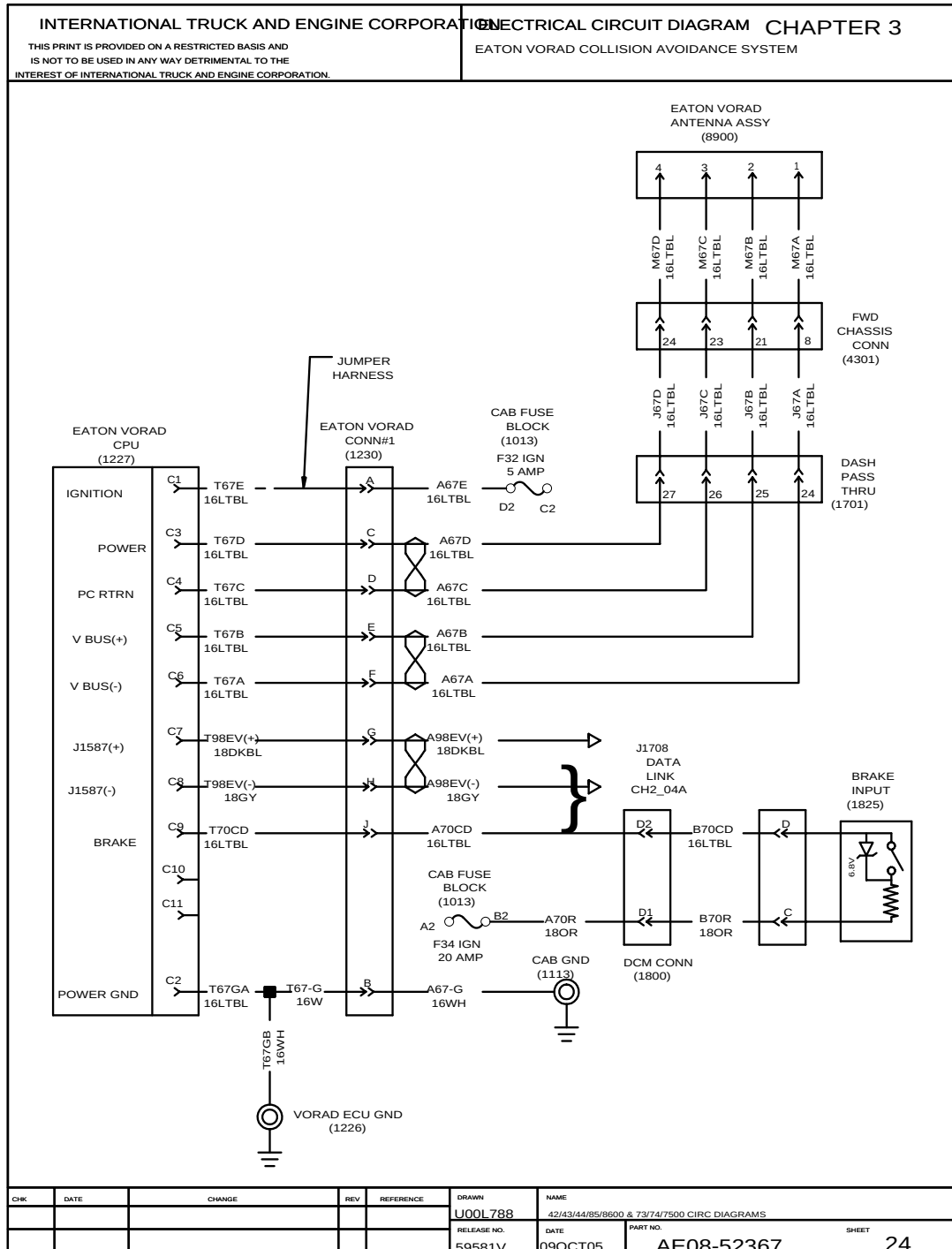
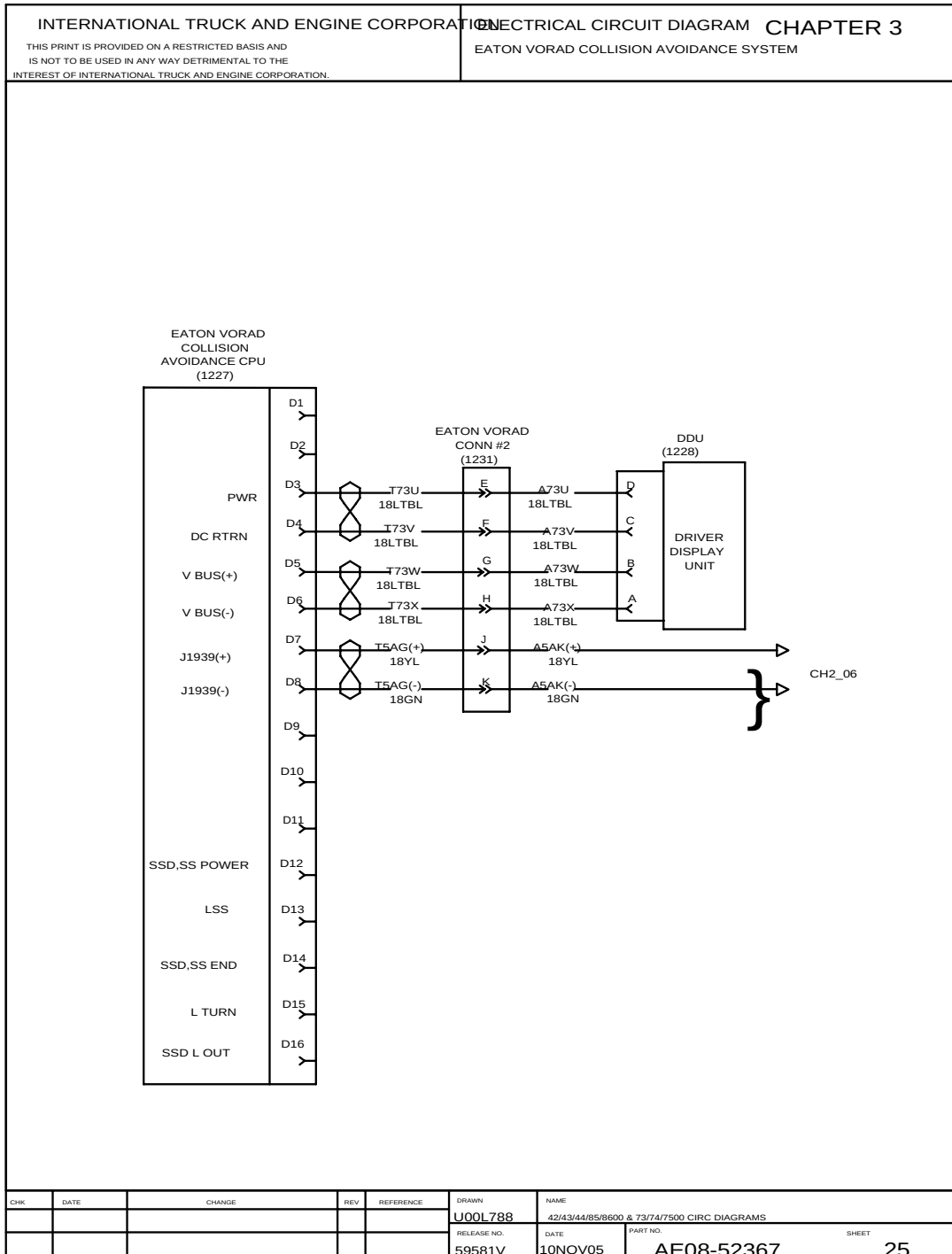


Figure 53 Eaton Vorad Collision Avoidance System

3.25. EATON VORAD COLLISION AVOIDANCE SYSTEM, P. 25**Figure 54 Eaton Vorad Collision Avoidance System**

3.26. XATA DATA SYSTEM, P. 26

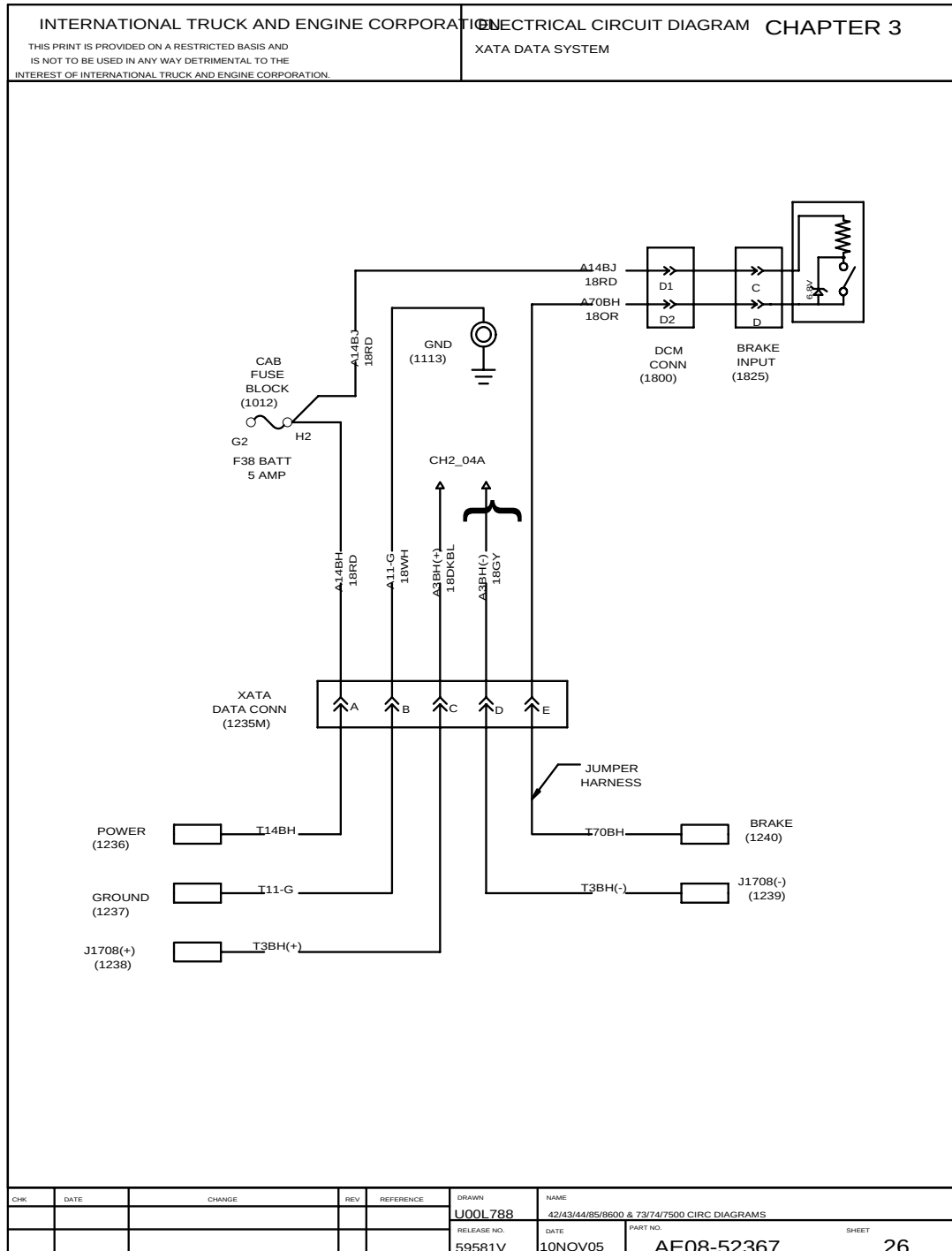


Figure 55 XATA Data System

3.28. TRIP MASTER, P. 28

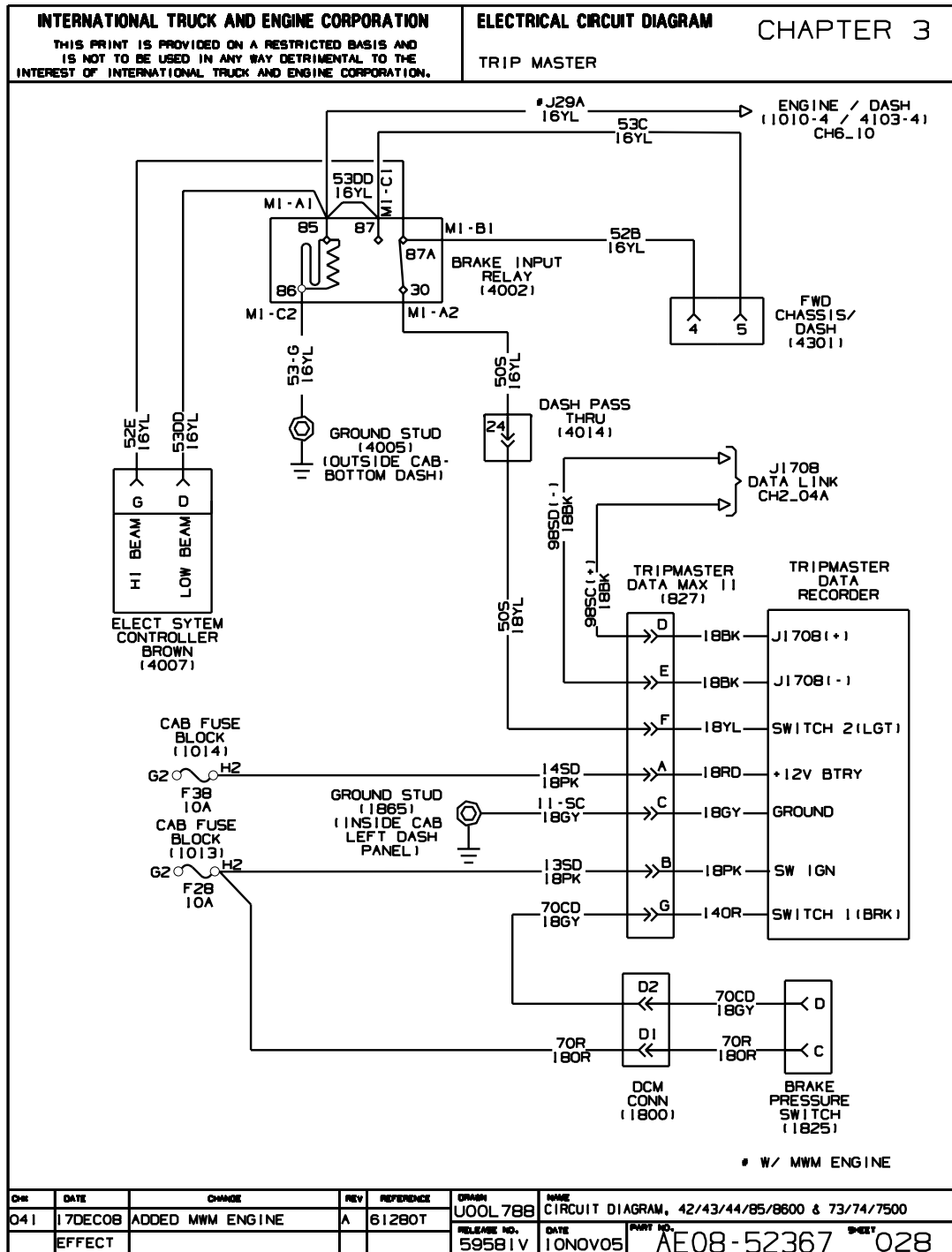


Figure 57 Trip Master

3.29. ENTERTAINMENT SYSTEM — RXT, P. 29

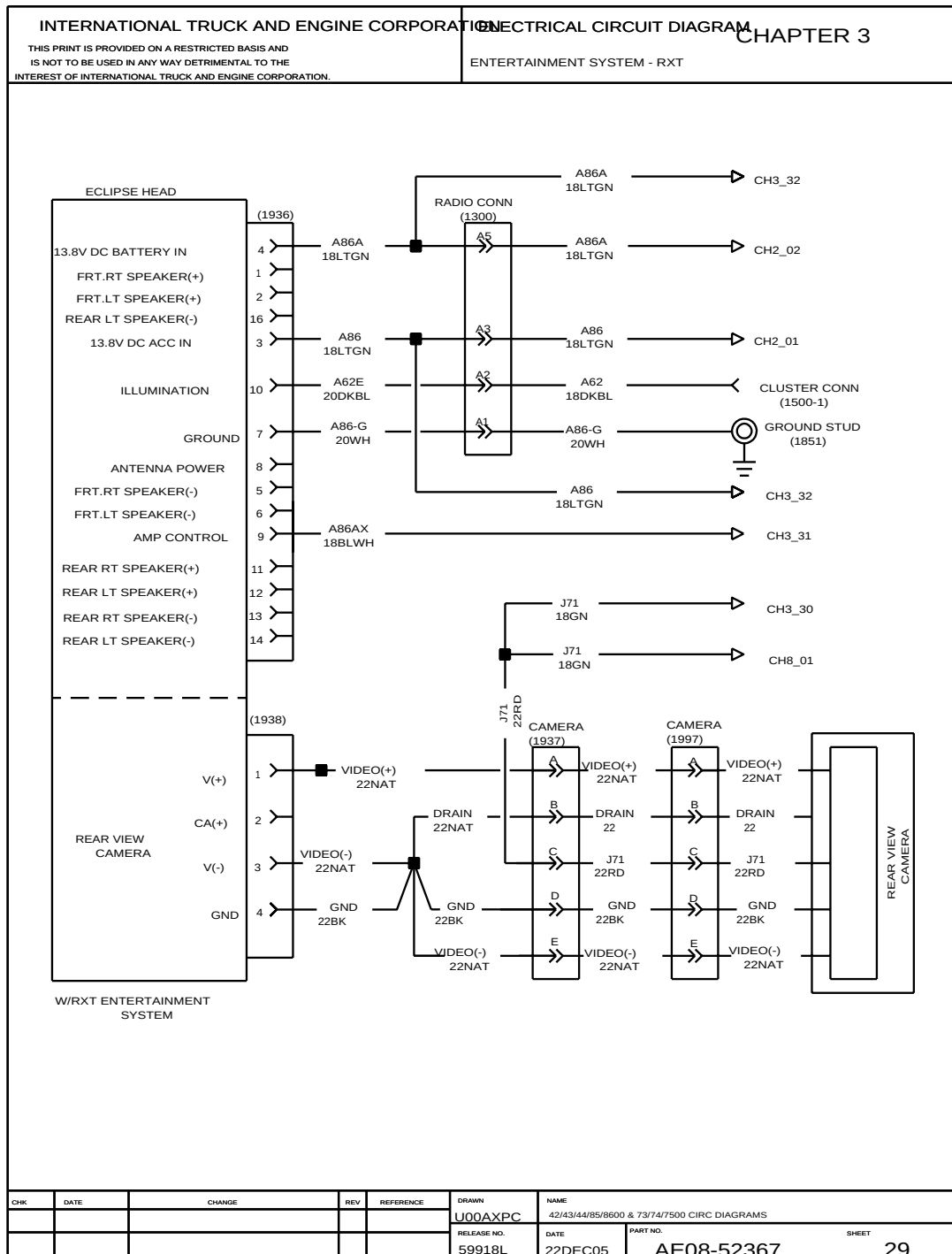


Figure 58 Entertainment System — RXT

3.30. ENTERTAINMENT SYSTEM — RXT, P. 30

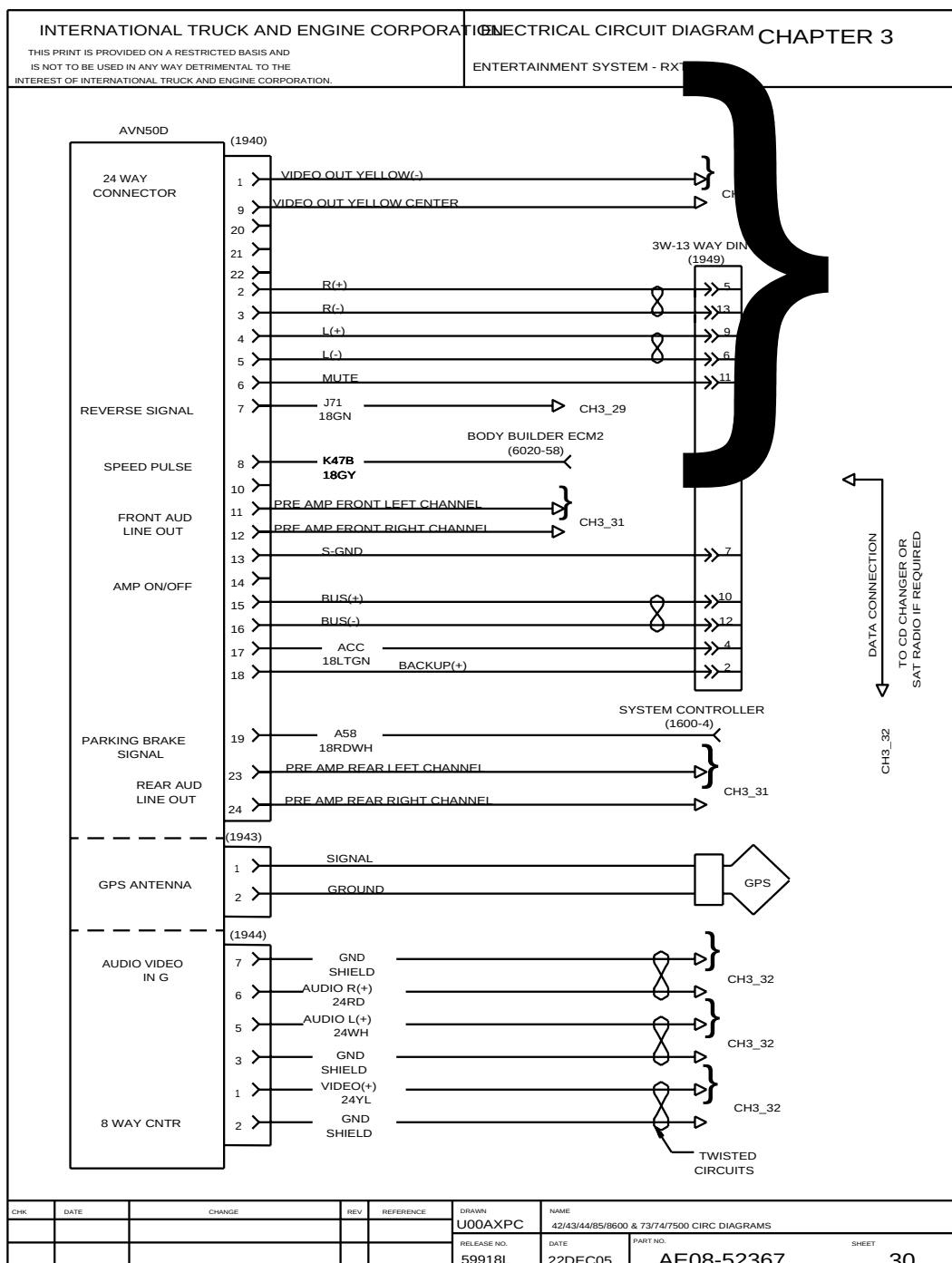


Figure 59 Entertainment System — RXT

3.31. ENTERTAINMENT SYSTEM — RXT, P. 31

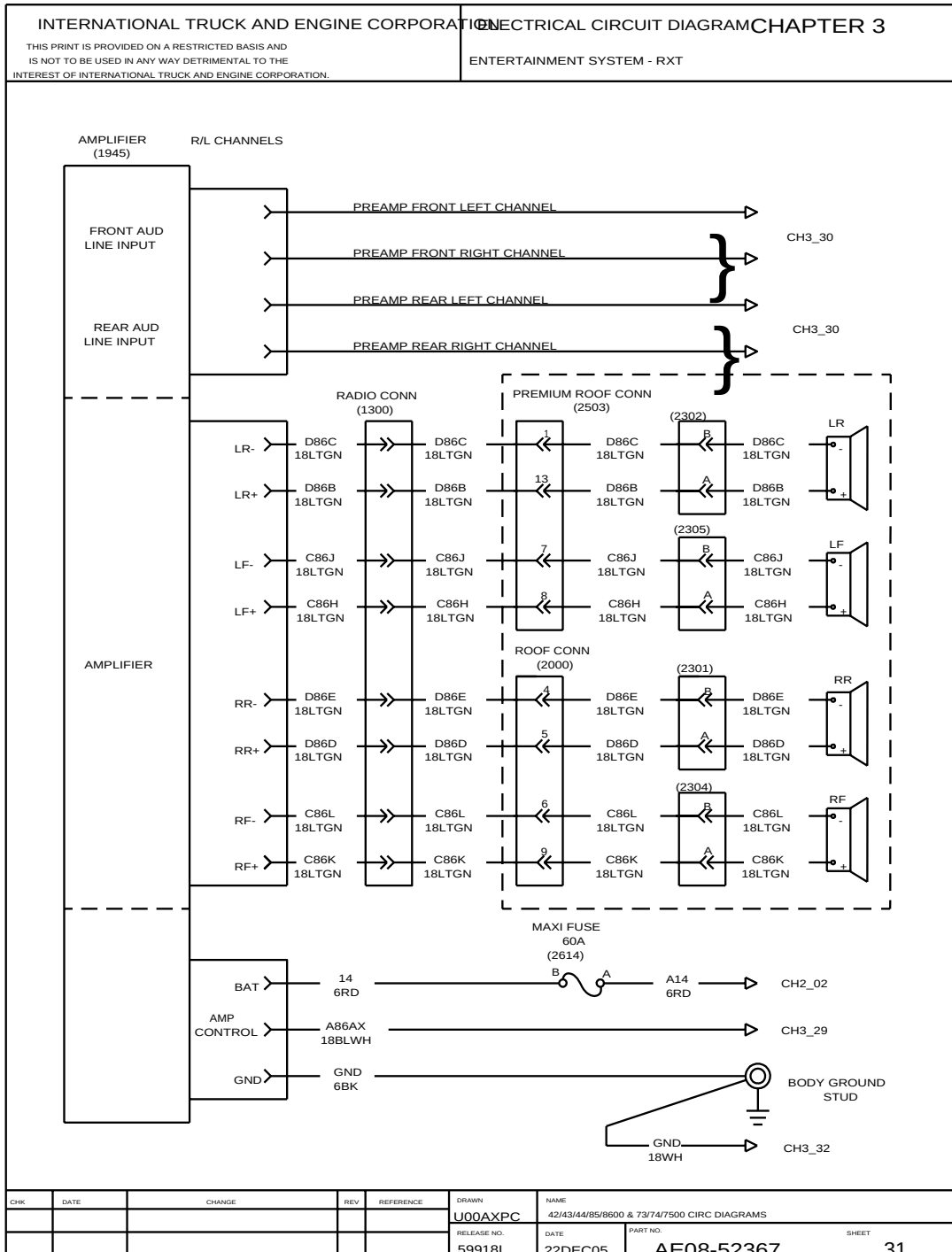


Figure 60 Entertainment System — RXT

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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3.32. ENTERTAINMENT SYSTEM — RXT, P. 32

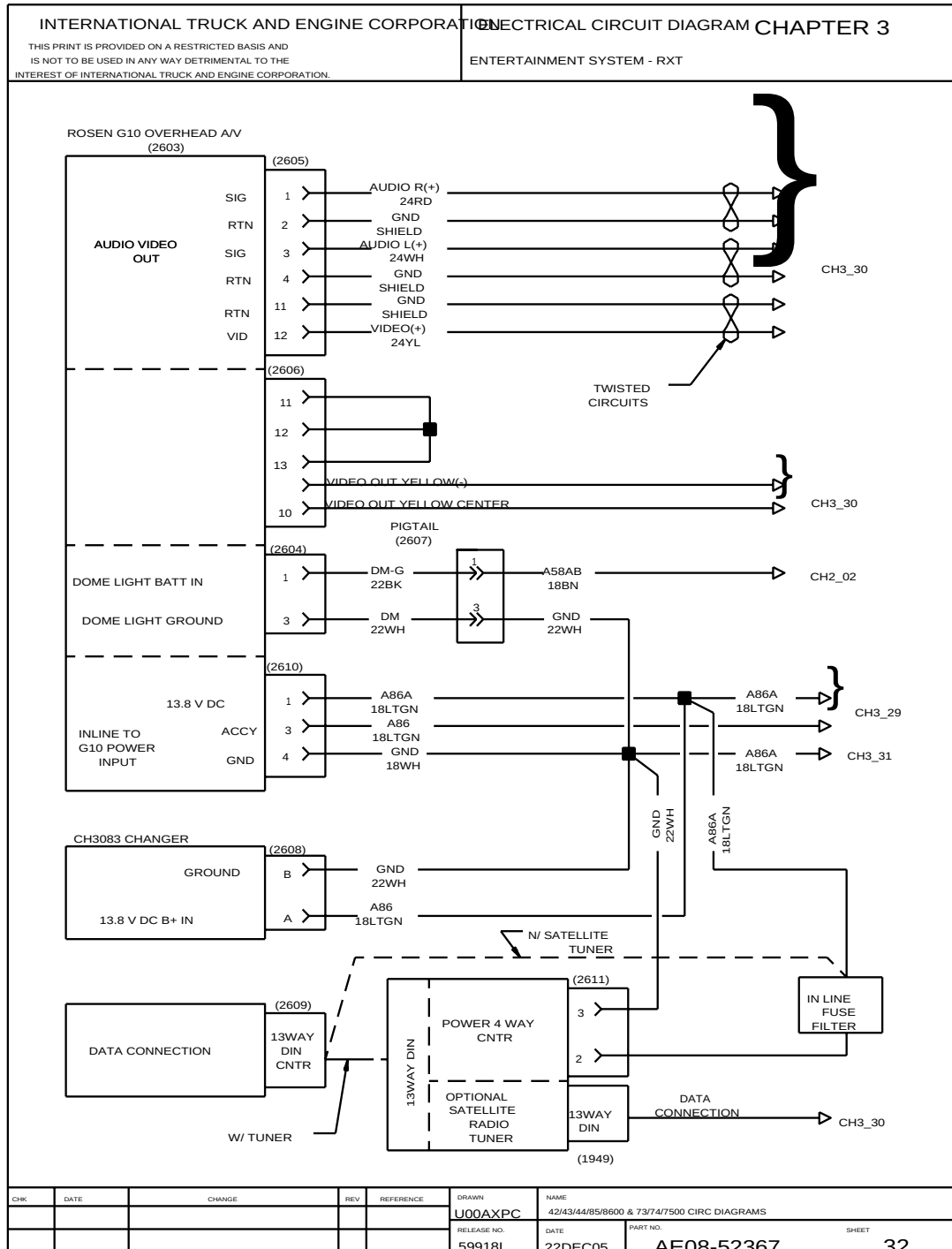
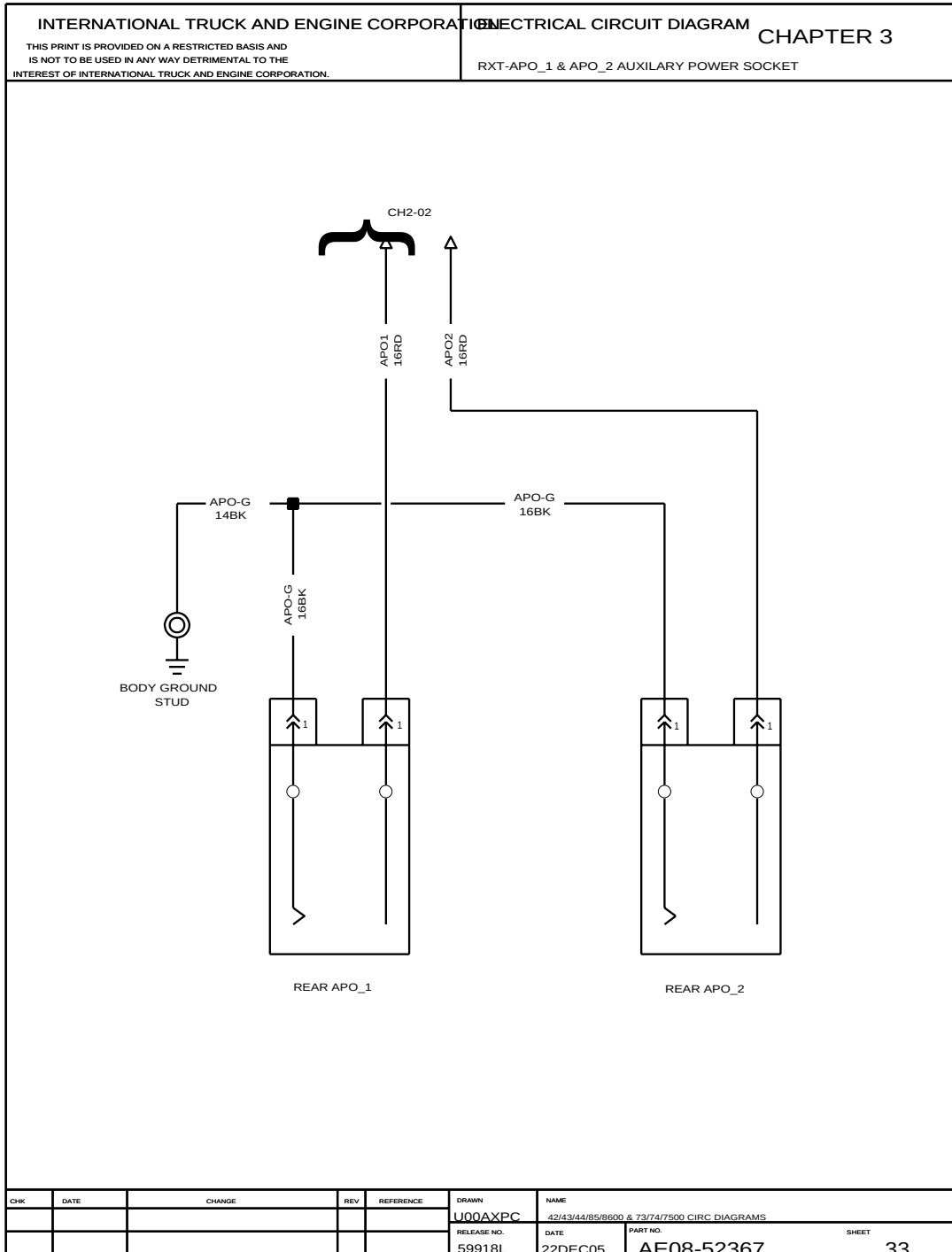


Figure 61 Entertainment System — RXT

3.33. RXT — APO_1 AND APO_2 AUXILIARY POWER SOCKET, P. 33**Figure 62 RXT — APO_1 and APO_2 Auxiliary Power Socket**

3.34. TACHOGRAPH, P. 34

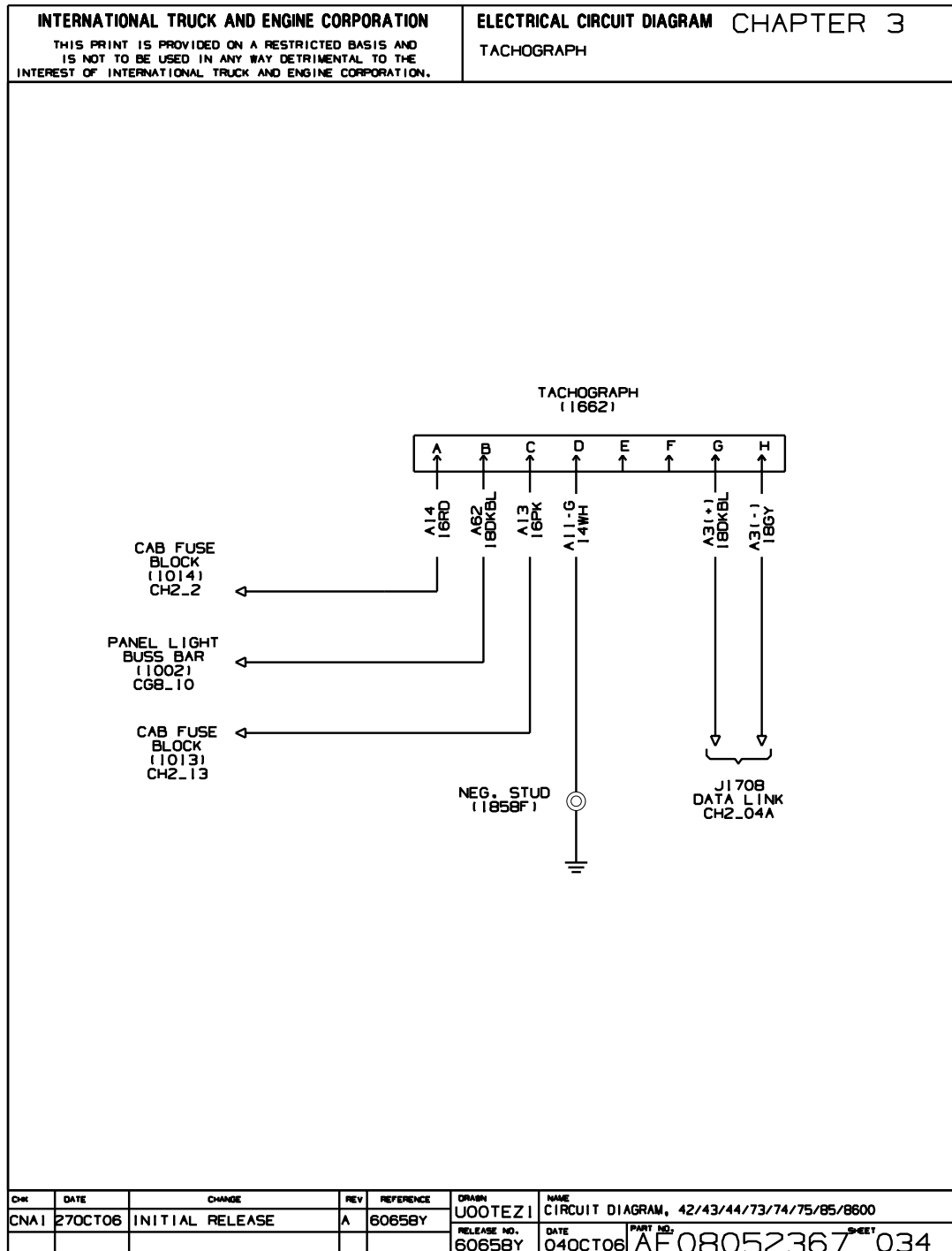


Figure 63 Tachograph

3.35. COMMUNICATIONS SYSTEM, AWARE, P. 35

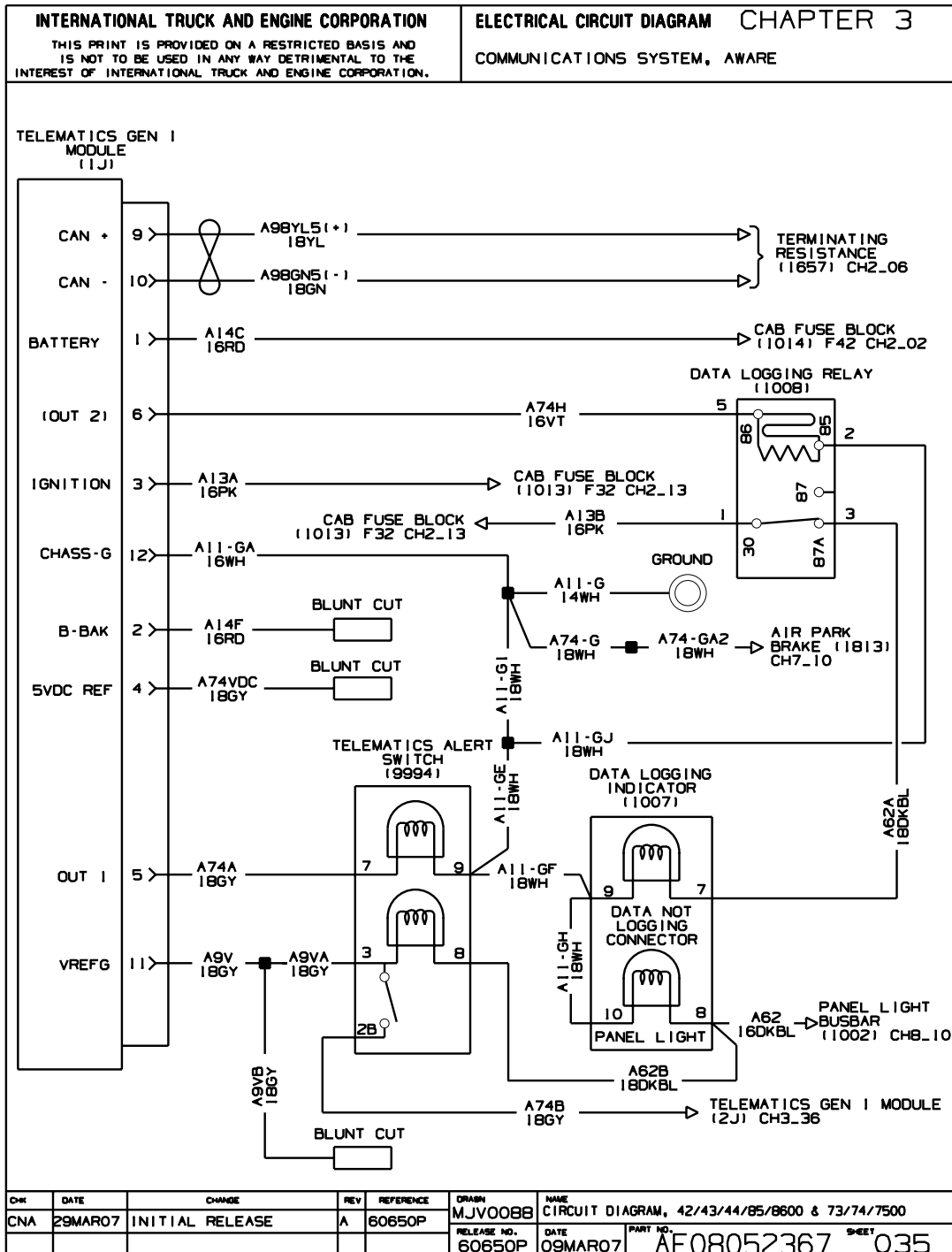


Figure 64 Communications System, AWARE

3.36. COMMUNICATIONS SYSTEM, AWARE, P. 36

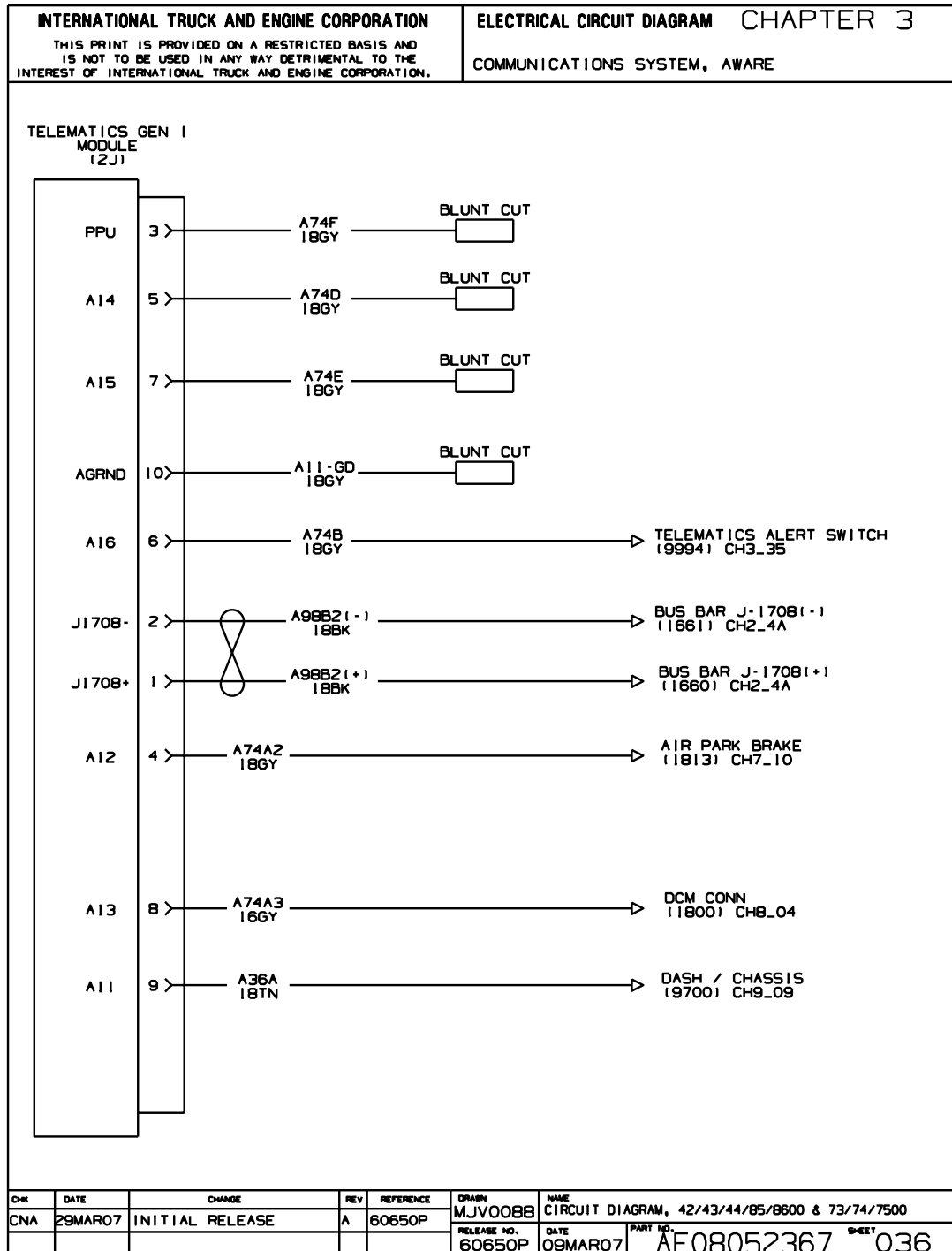


Figure 65 Communications System, AWARE

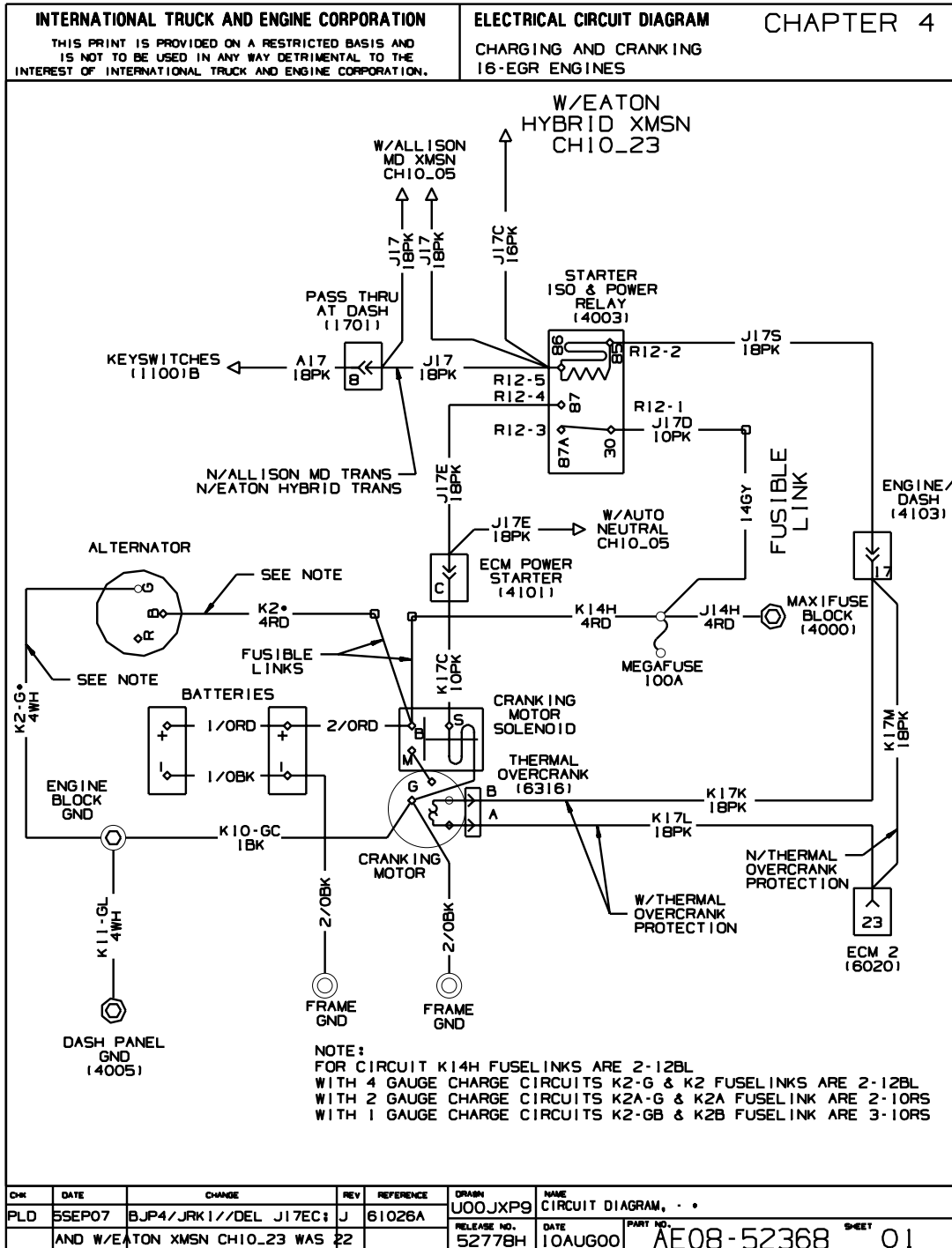
4. 12V CHARGING + CRANKING SYSTEM (CHAPTER 4)**4.1. I6 EGR ENGINES, P. 1**

Figure 66 I6 EGR Engines

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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4.2. V8 AVNT ENGINES, P. 2

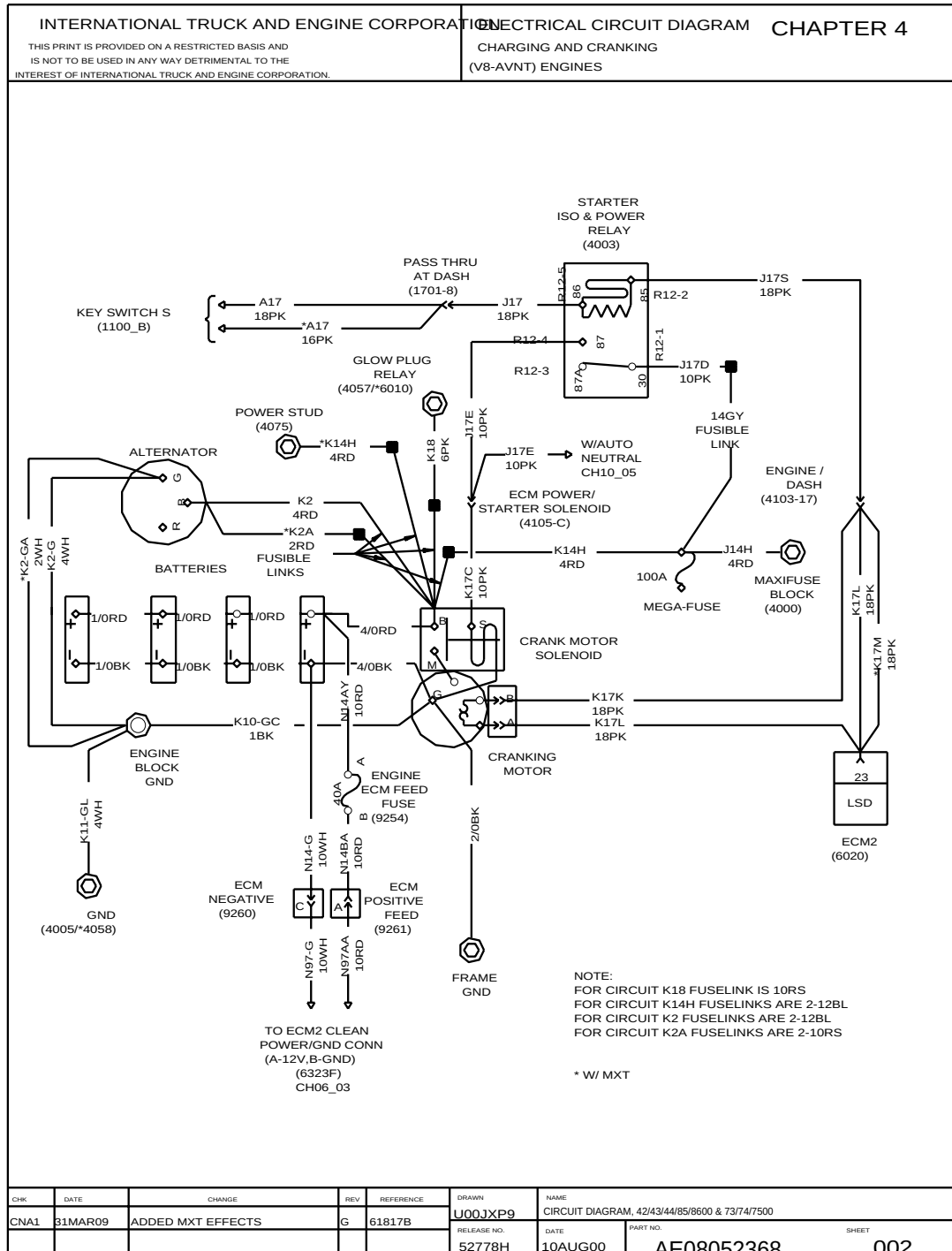


Figure 67 V8 AVNT Engines

4.3. CATERPILLAR, CUMMINS ISM ENGINES, P. 3

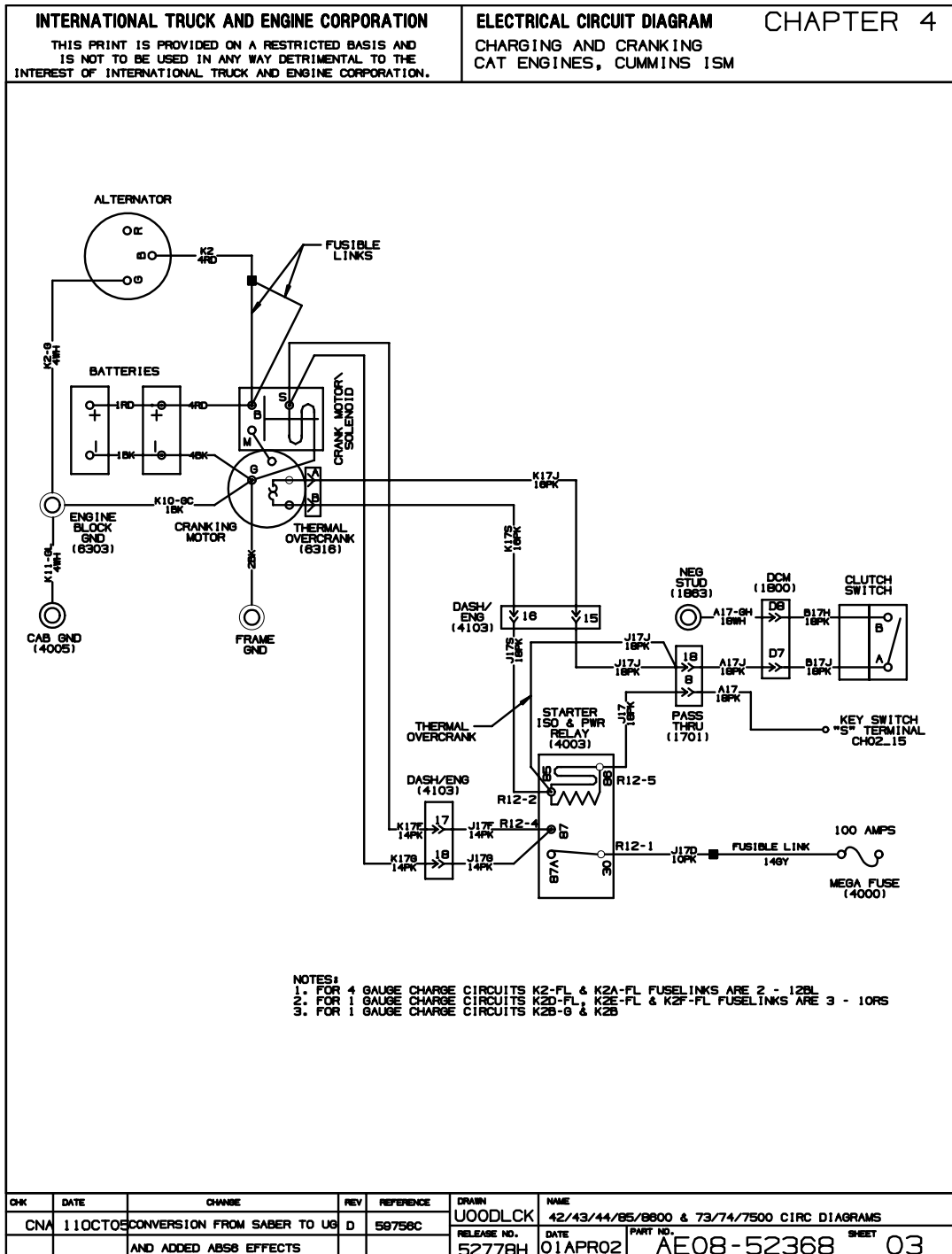


Figure 68 Caterpillar, Cummins ISM Engines

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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4.4. I6 HEUI ENGINES, P. 4

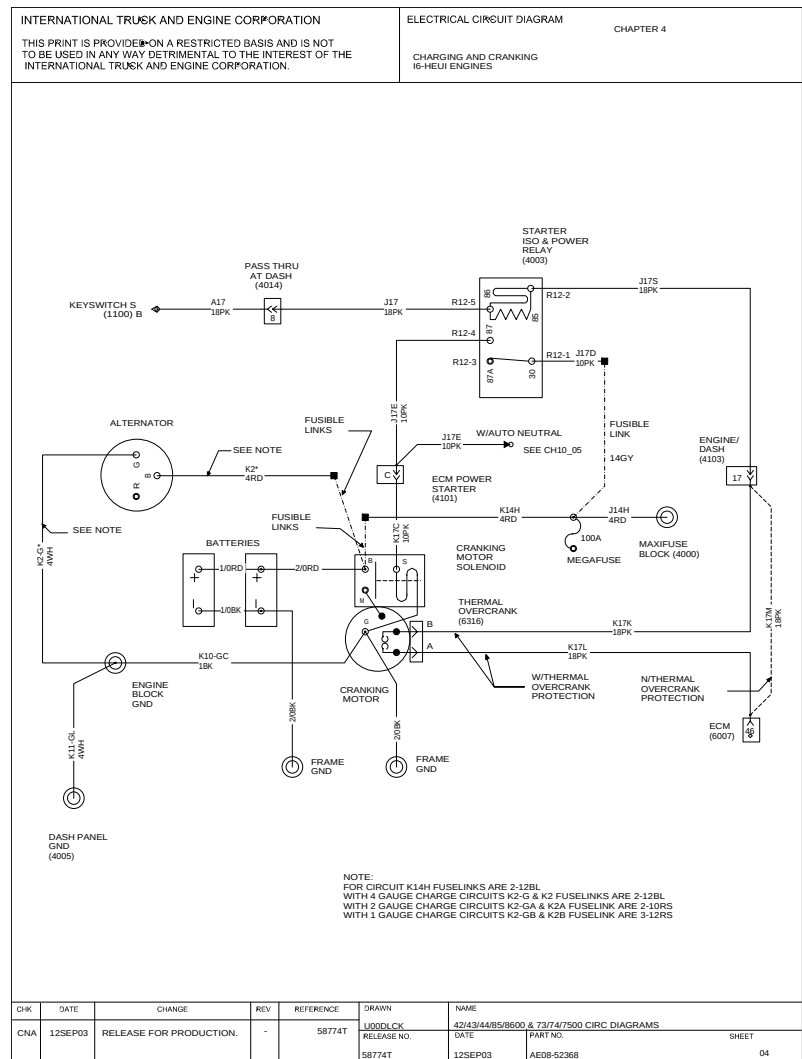


Figure 69 I6 HEUI Engines

4.5. CATERPILLAR ENGINES, CUMMINS ISM AND WITH EATON ULTRASHIFT/DM2, P. 5

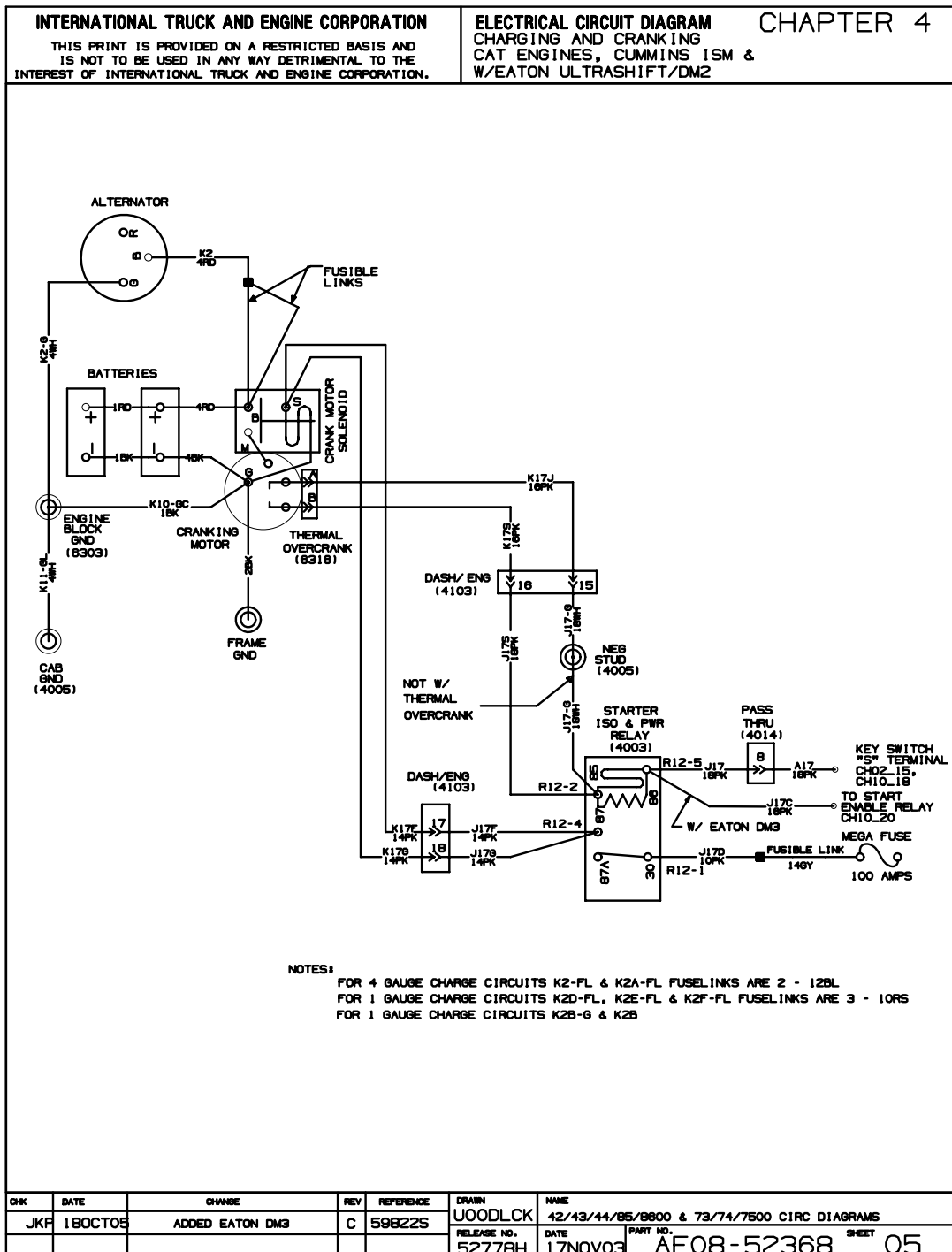


Figure 70 Caterpillar Engines, Cummins ISM and with Eaton Ultrashift/DM2

3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

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4.6. I6 EGR ENGINES WITH AIR START, P. 6

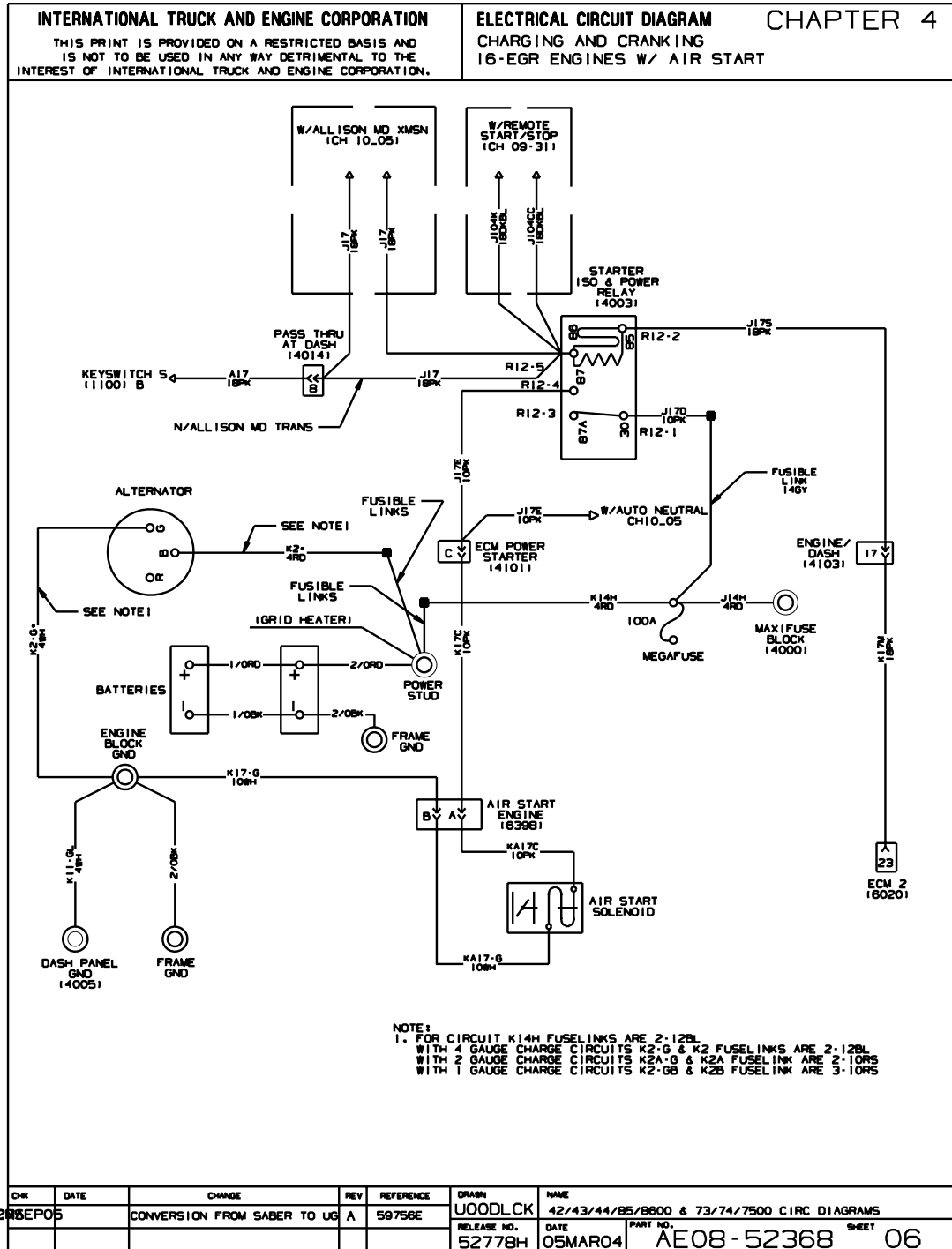


Figure 71 I6 EGR Engines with Air Start

4.7. I6 EGR AND POWER PACK 3KW, P. 7

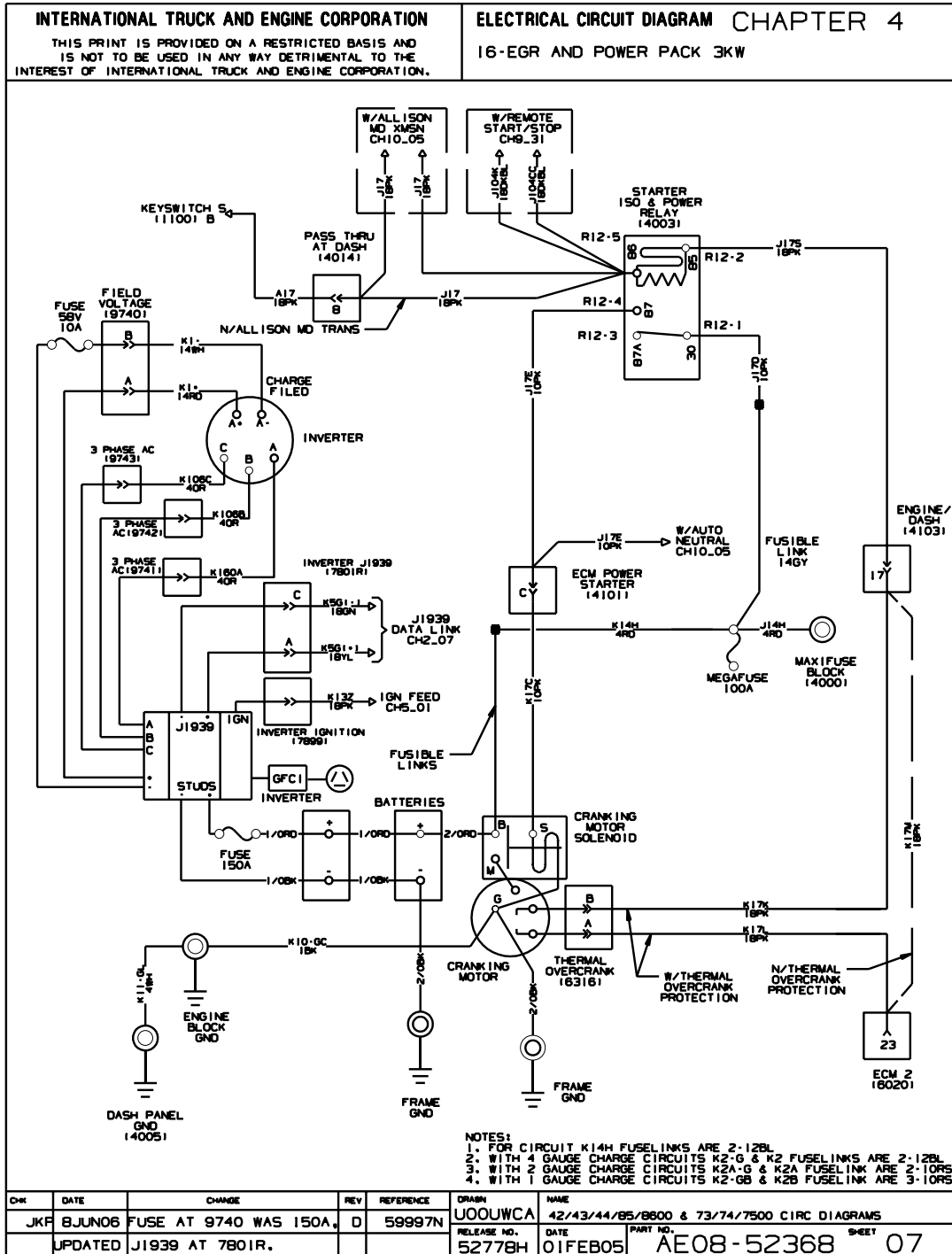


Figure 72 I6 EGR and Power Pack 3KW

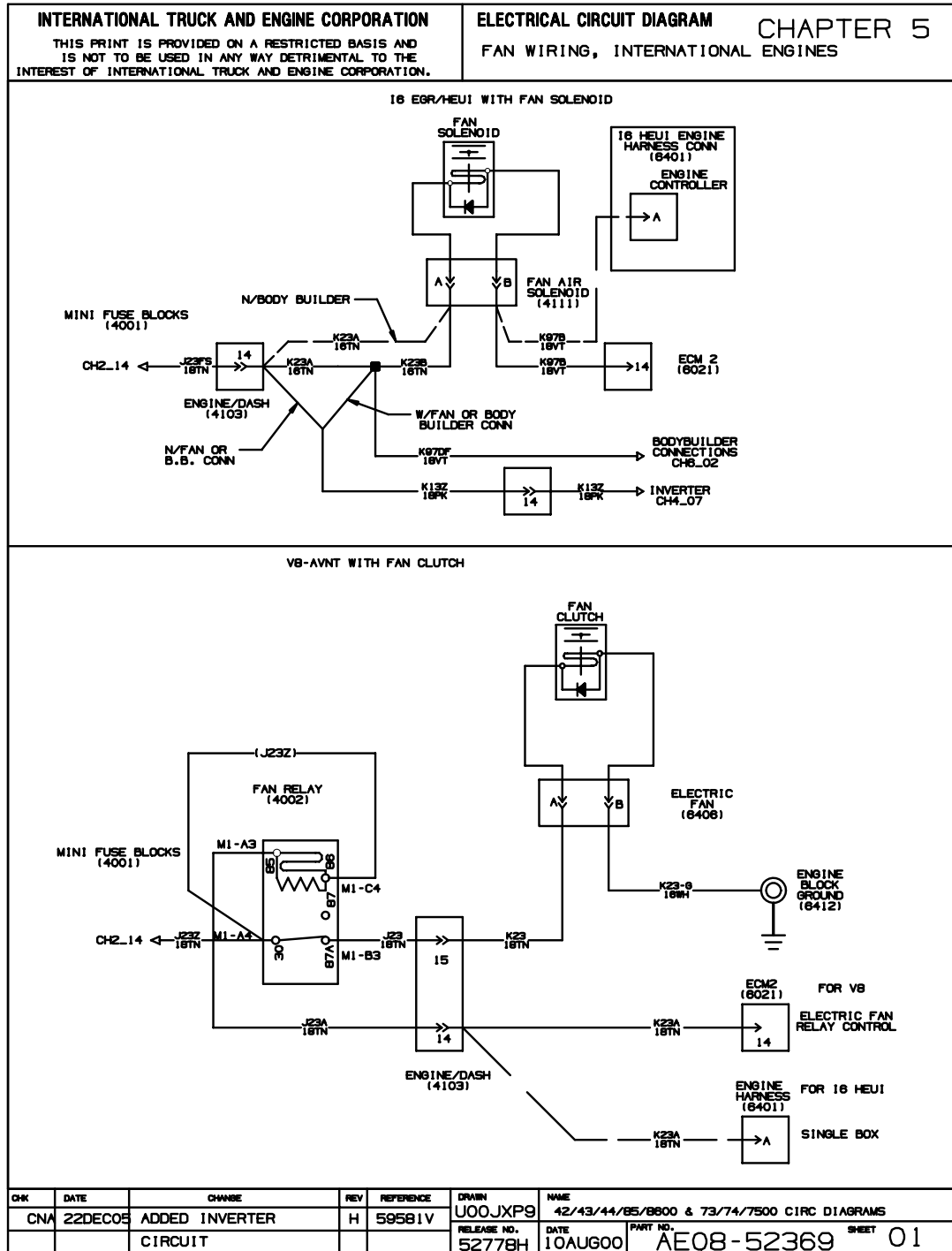
5. FANS AND ENGINE ACCESSORIES (CHAPTER 5)**5.1. FAN WIRING, INTERNATIONAL ENGINES, P. 1**

Figure 73 Fan Wiring, International Engines

5.2. ETHER START, P. 2

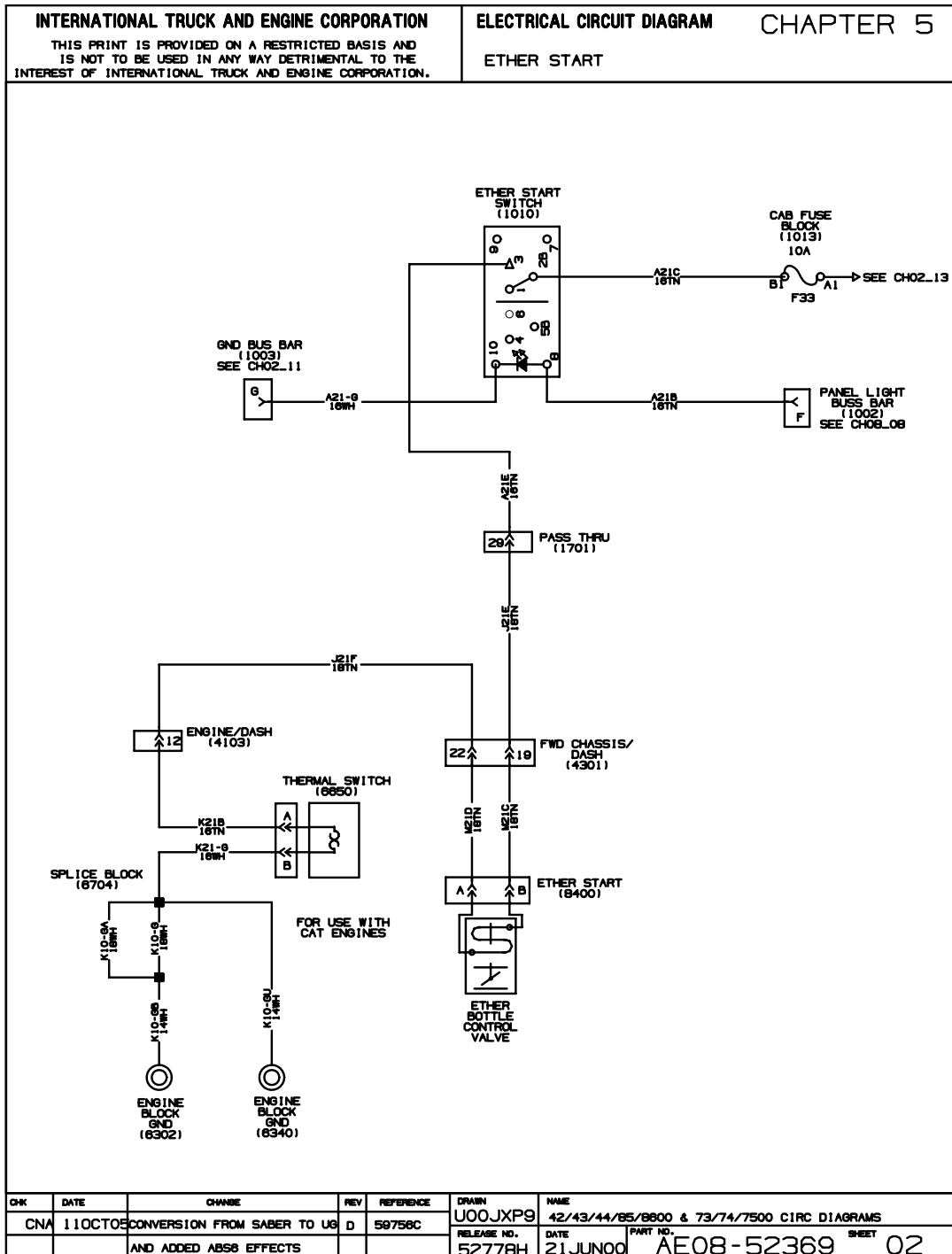
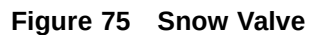


Figure 74 Ether Start

5.3. SNOW VALVE, P. 3



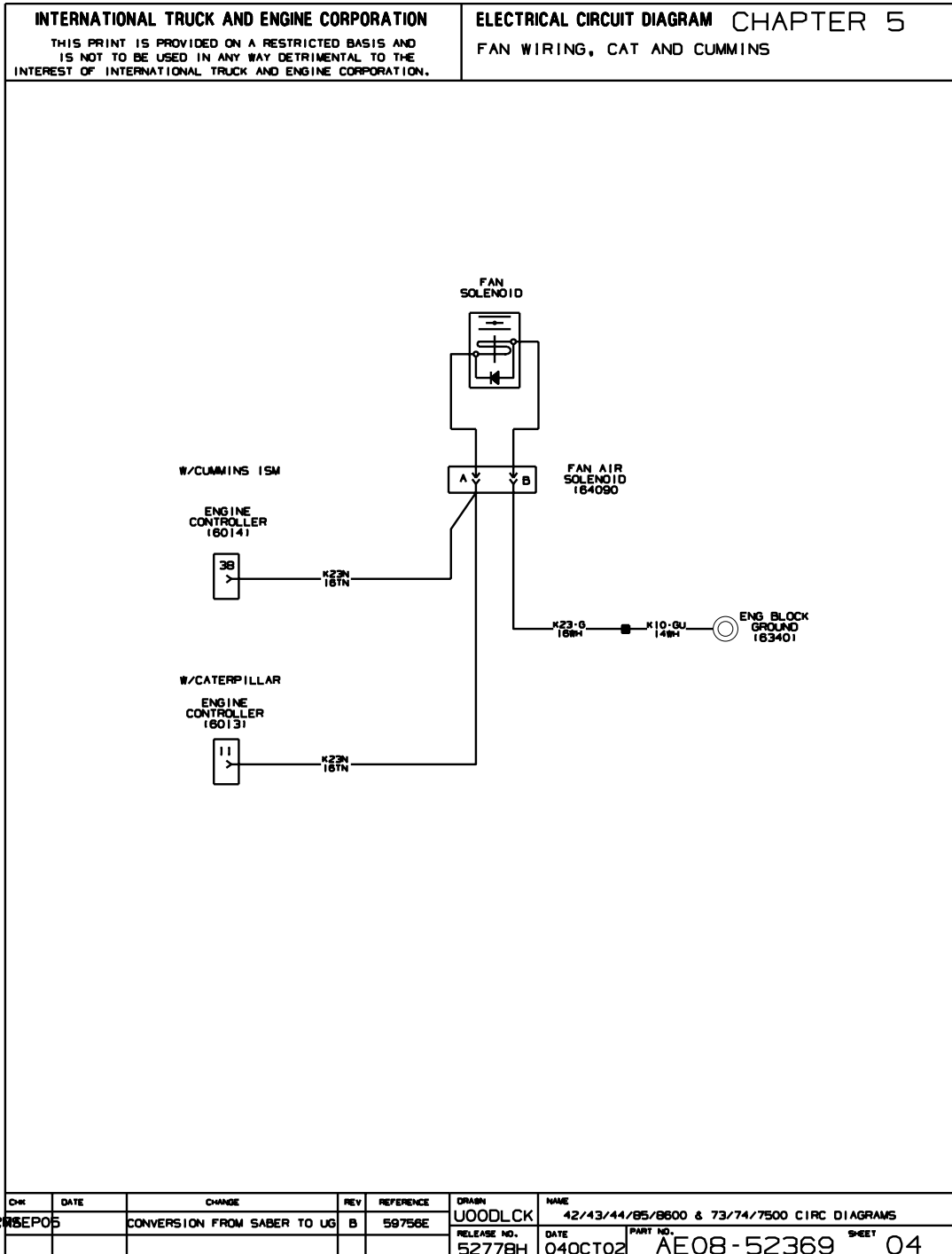
5.4. FAN WIRING, CATERPILLAR AND CUMMINS, P. 4

Figure 76 Fan Wiring, Caterpillar and Cummins

5.5. ENGINE FAN, MWM ENGINE, P. 5

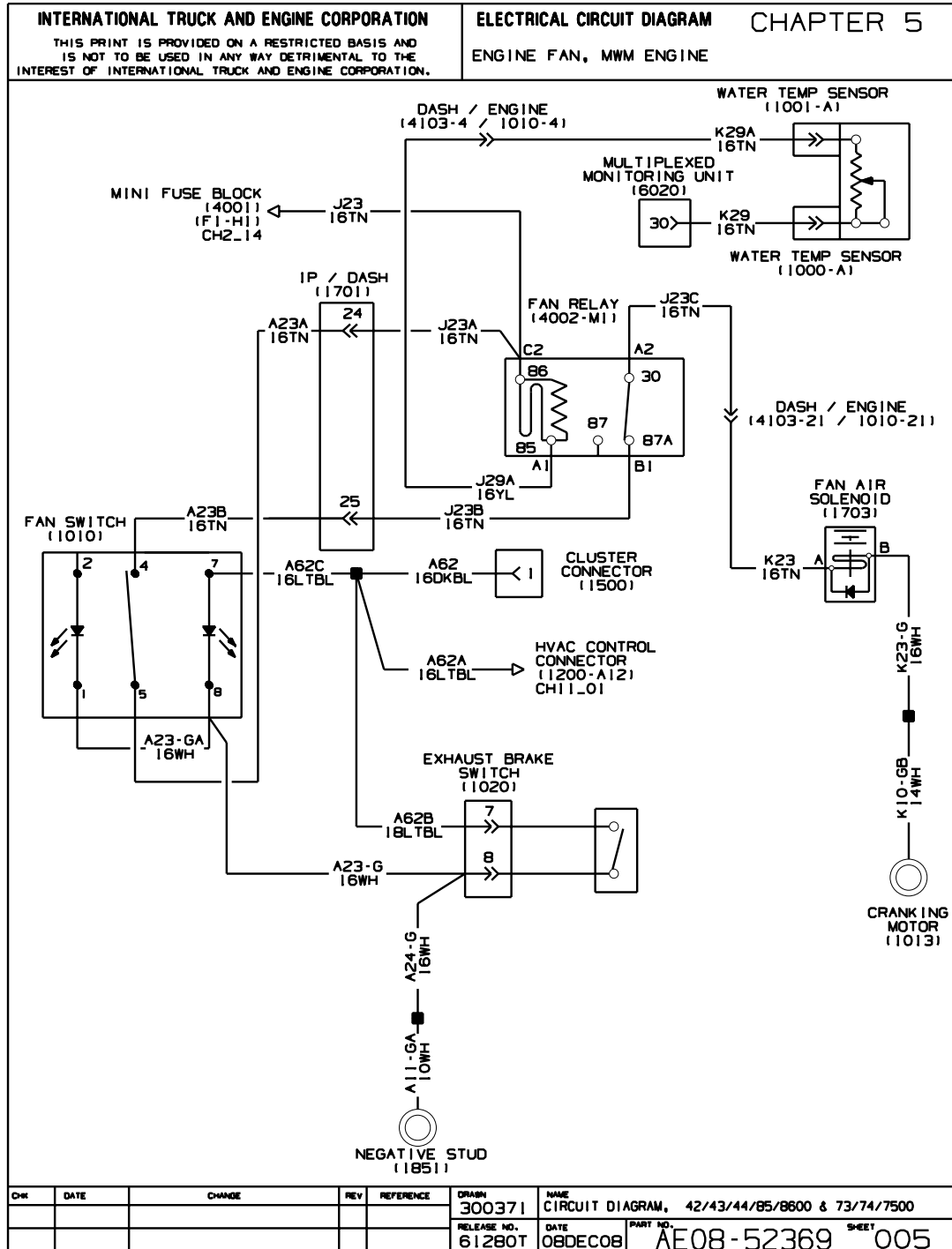


Figure 77 Engine Fan, MWM Engine

5.6. EXHAUST BRAKE, MWM ENGINE, P. 6

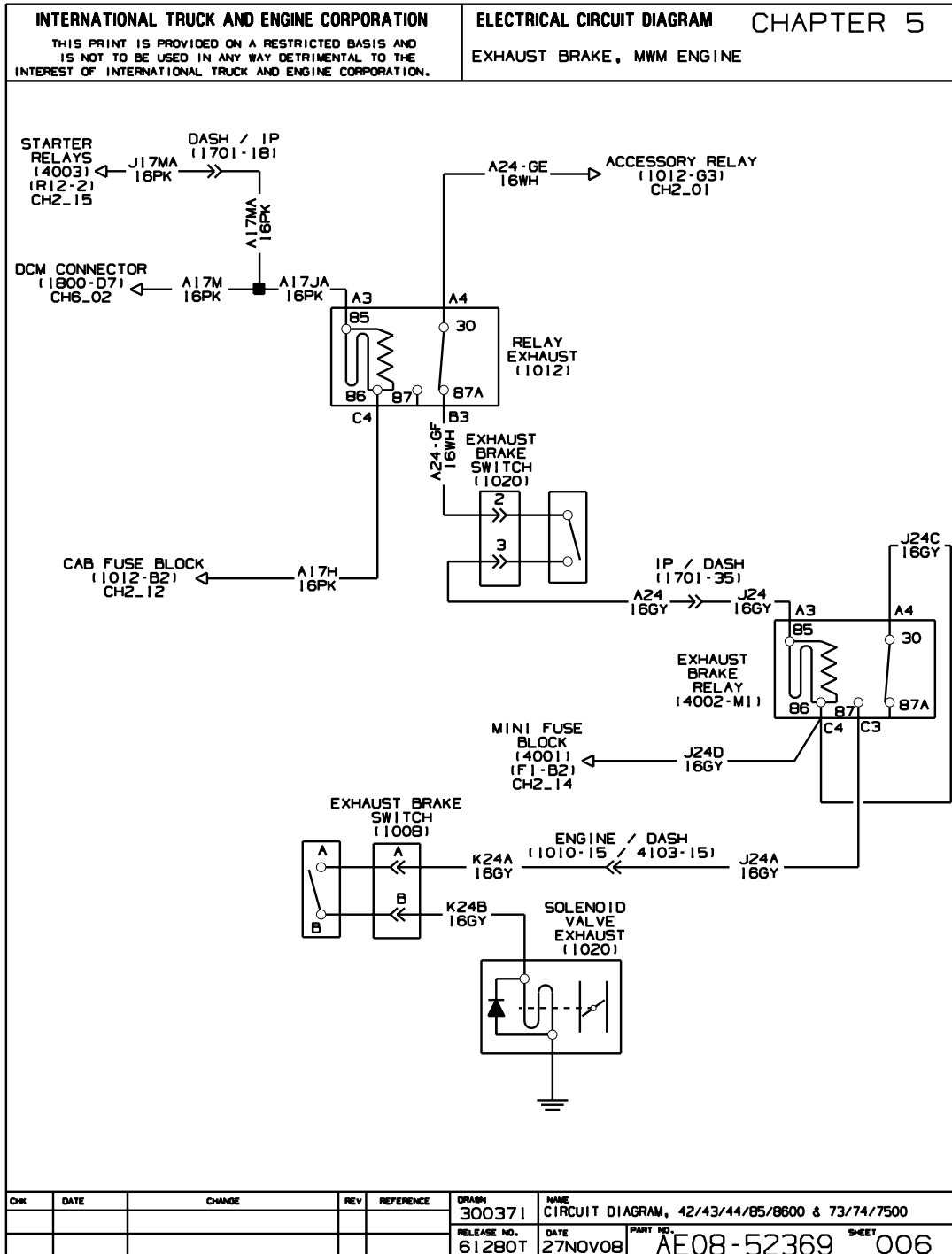


Figure 78 Exhaust Brake, MWM Engine

6. ELECTRONIC ENGINES (CHAPTER 6)

6.1. ELECTRONIC ENGINE CONTROLS, I6-EGR ENGINES, P. 1

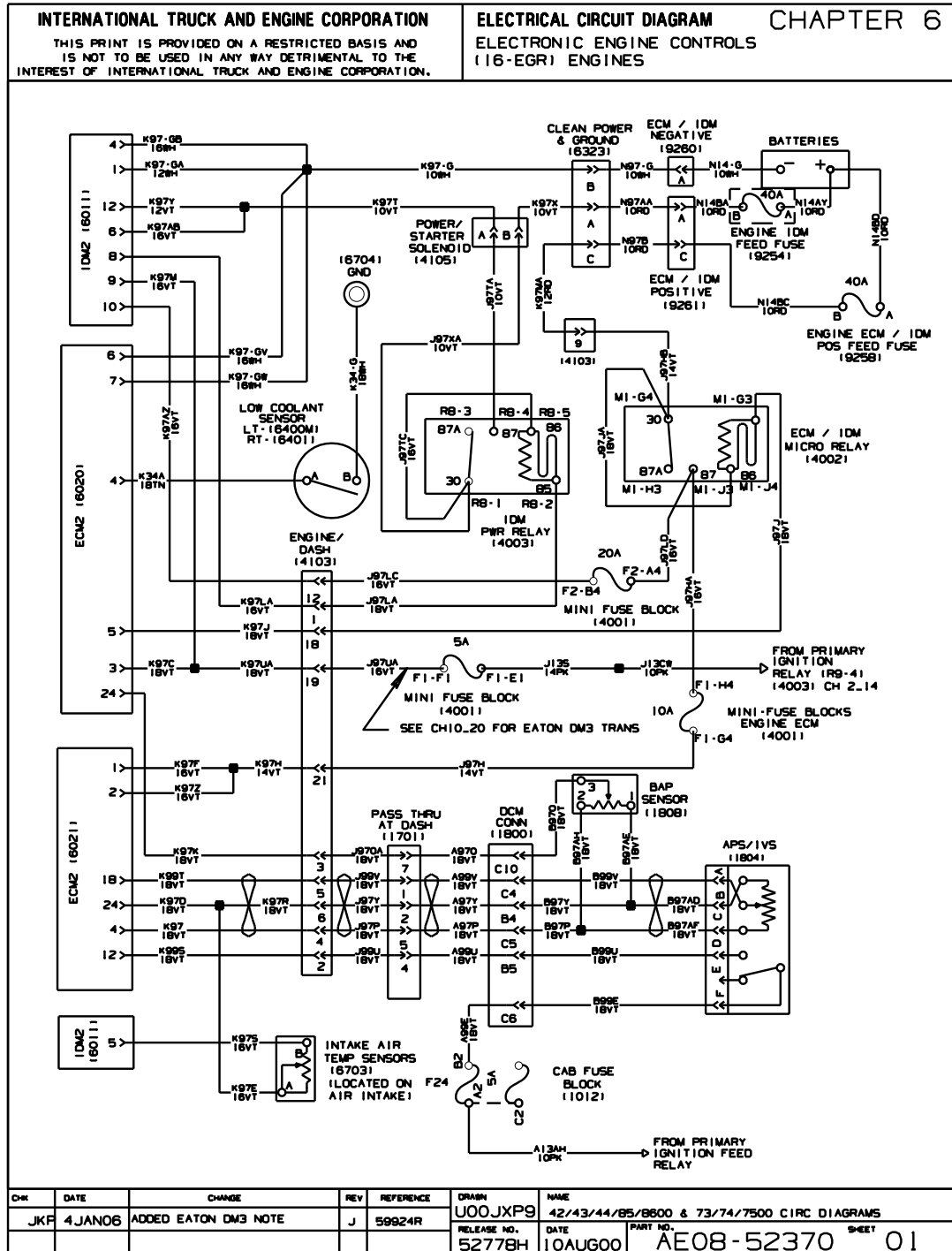


Figure 79 Electronic Engine Controls, I6-EGR Engines

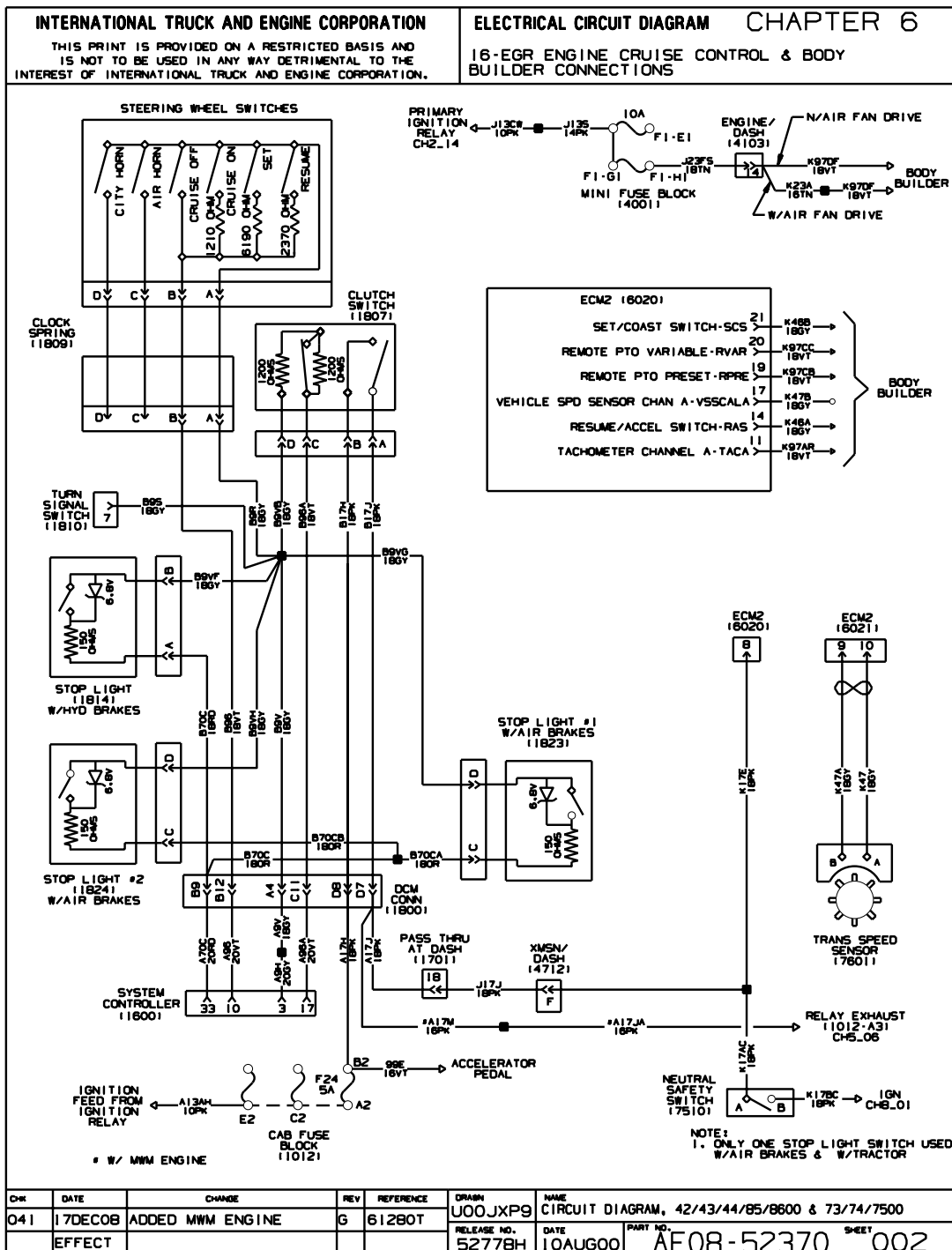
6.2. ELECTRONIC ENGINE CONTROLS, I6-EGR ENGINE CRUISE CONTROL AND BODY BUILDER CONNECTIONS, P. 2

Figure 80 Electronic Engine Controls, I6-EGR Engine Cruise Control and Body Builder Connections

6.3. ELECTRONIC ENGINE CONTROLS, (V8-AVNT) ENGINES, P. 3

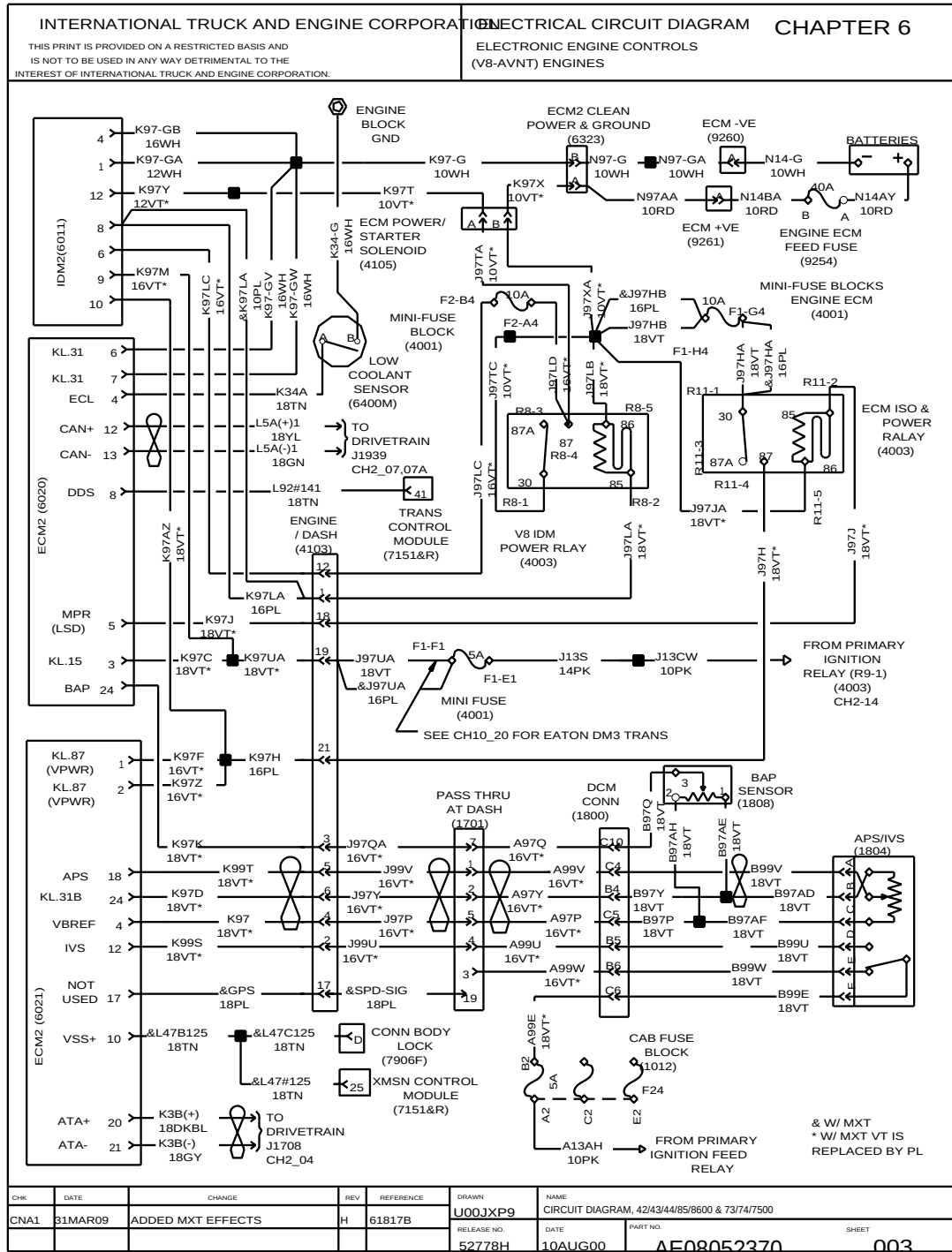


Figure 81 Electronic Engine Controls, (V8-AVNT) Engines

6.4. ELECTRONIC ENGINE CONTROLS, V8-AVNT ENGINE CRUISE CONTROL AND BODY BUILDER CONNECTIONS, P. 4

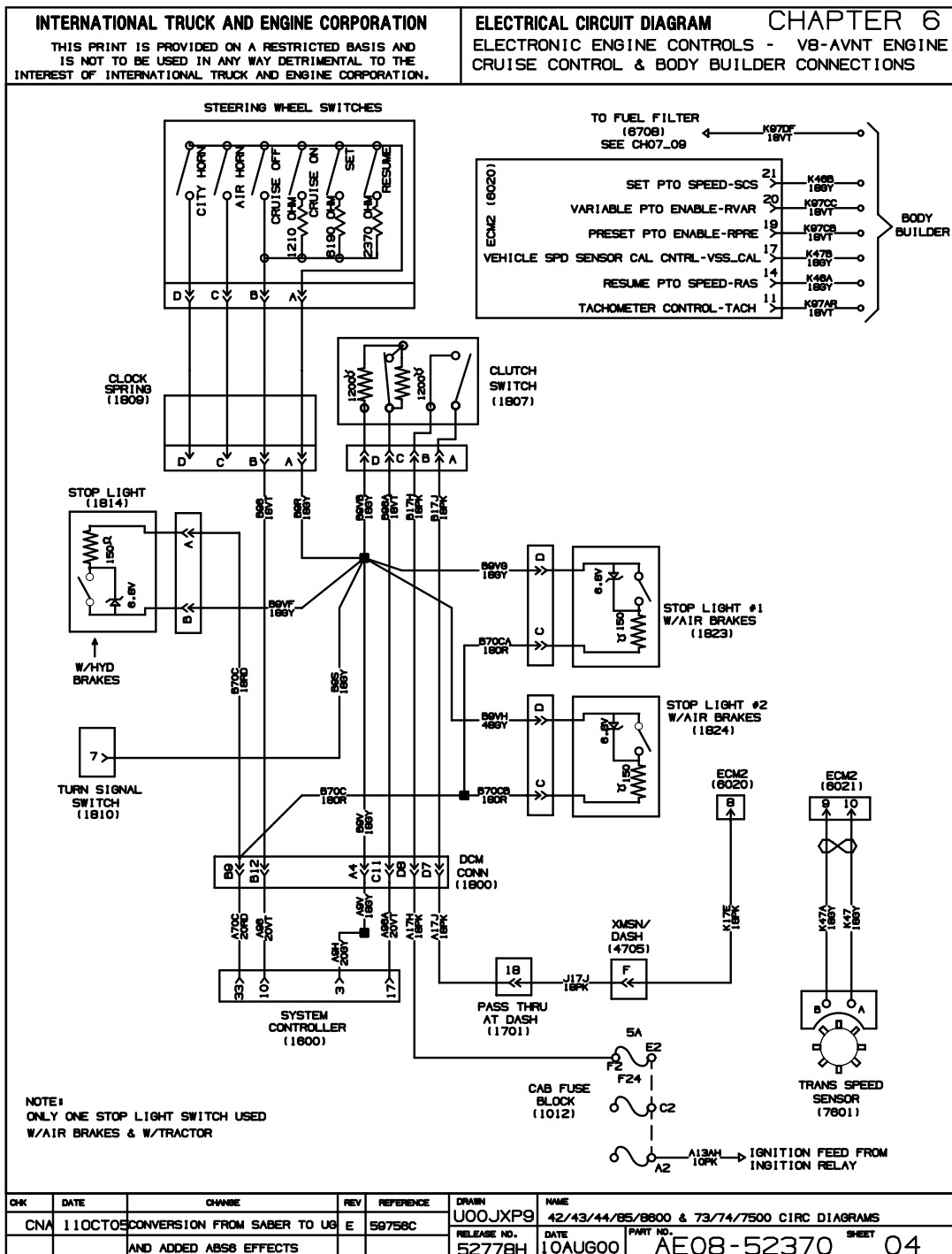


Figure 82 Electronic Engine Controls, V8-AVNT Engine Cruise Control and Body Builder Connections

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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6.5. CATERPILLAR C10, C11, C12, AND C13 ENGINES, P. 5

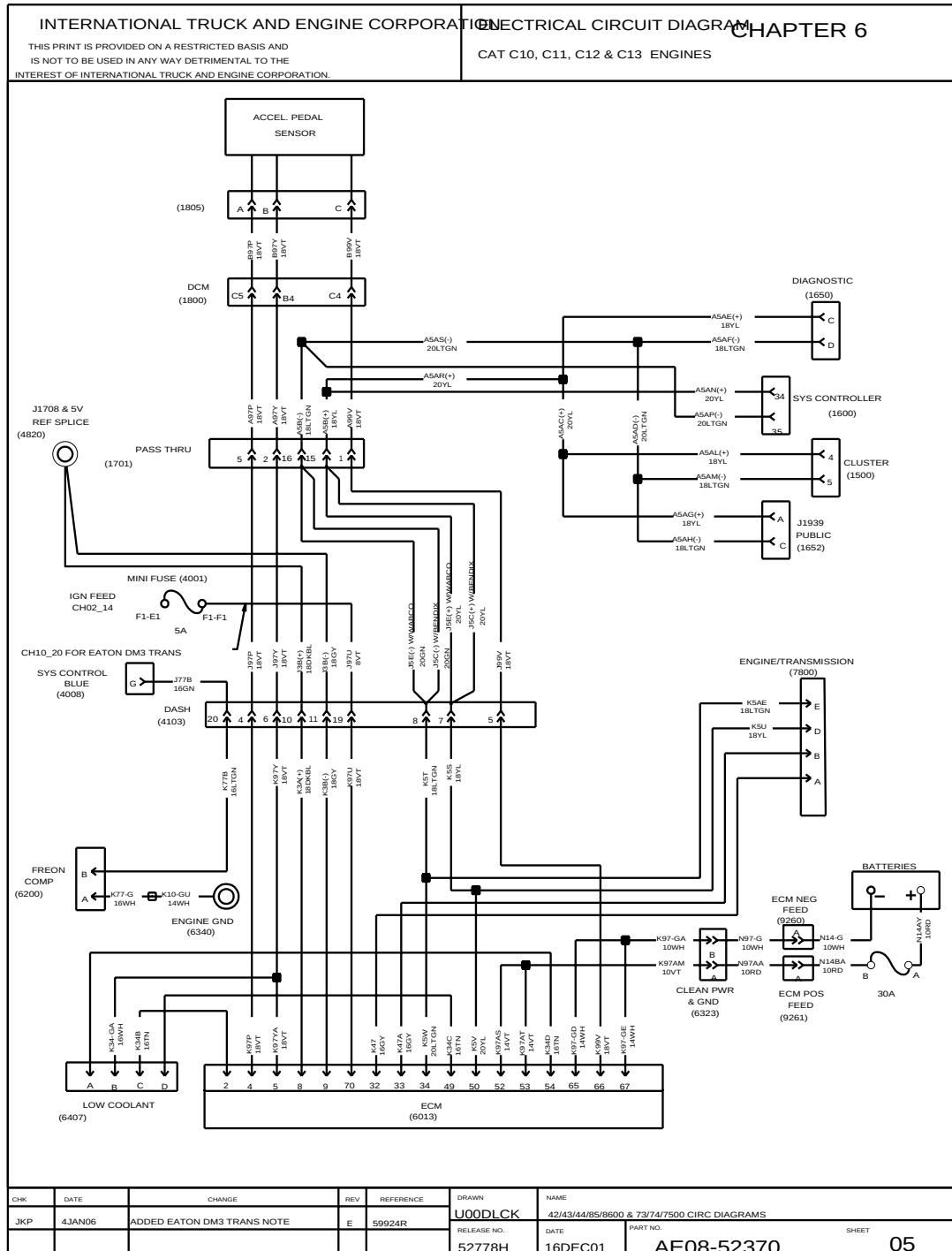


Figure 83 Caterpillar C10, C11, C12, and C13 Engines

6.6. CUMMINS ISM ENGINE, P. 6

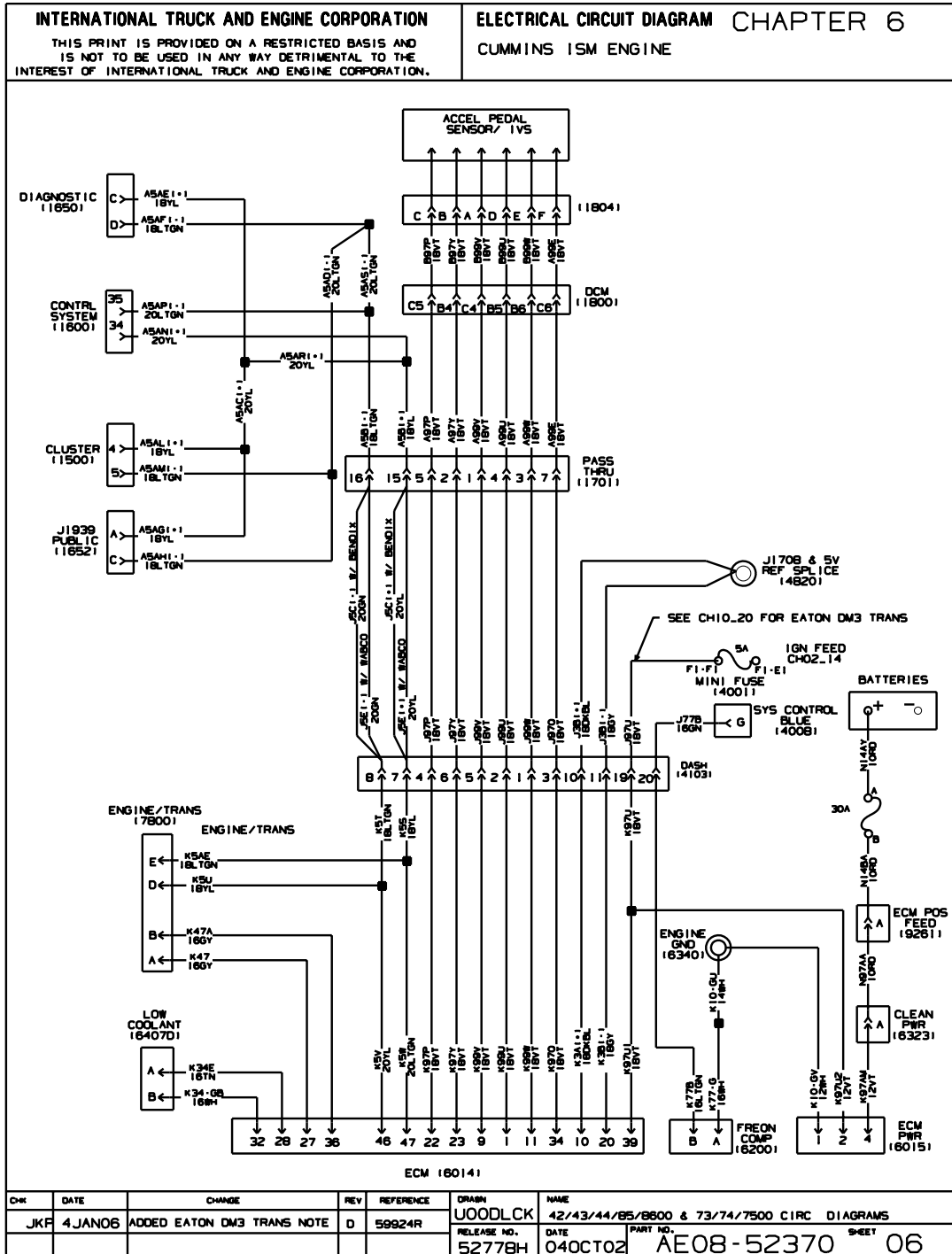


Figure 84 Cummins ISM Engine

6.7. 16 HEUI ENGINE, P. 7

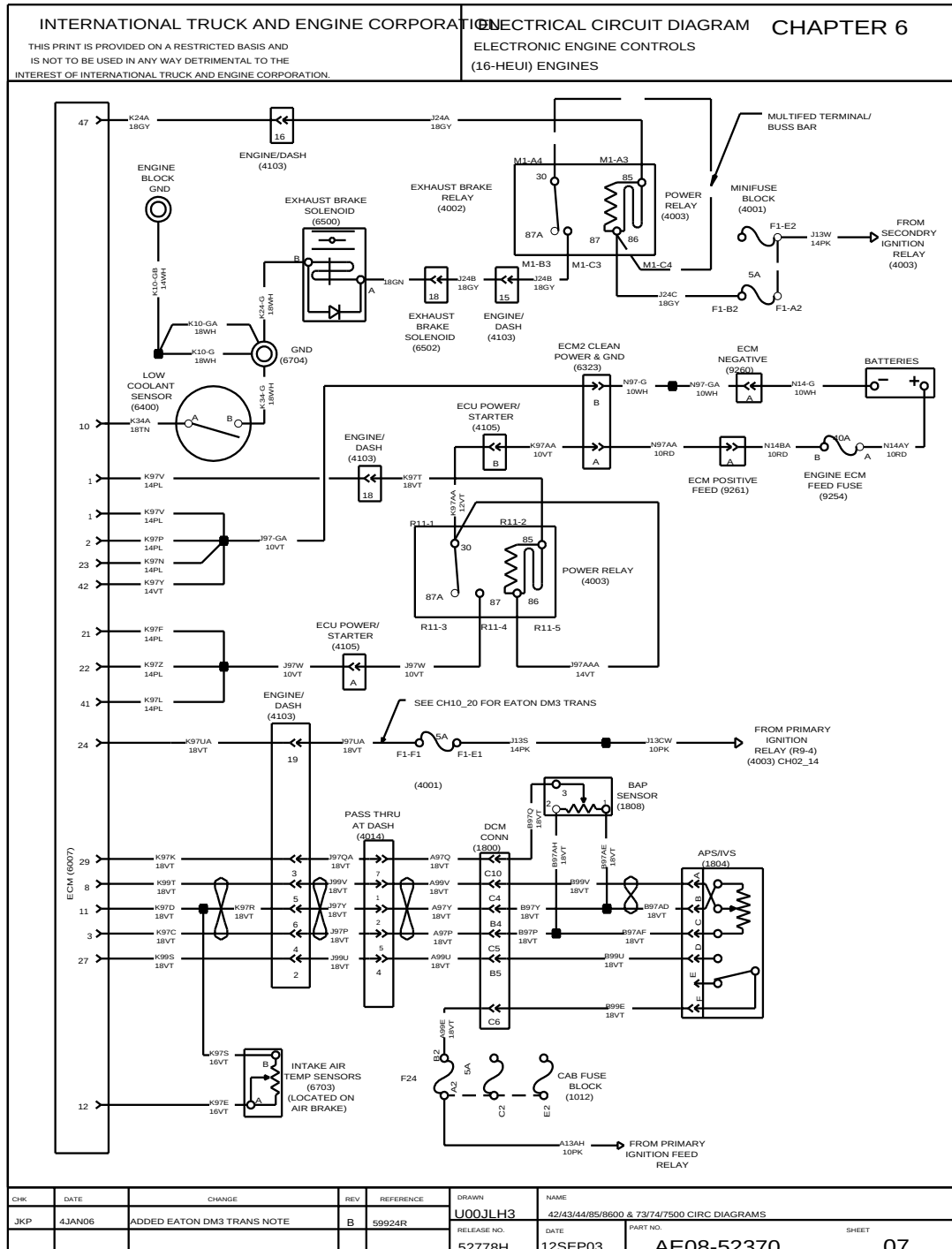


Figure 85 I6 HEUI Engine

6.8. I6 HEUI ENGINE CRUISE CONTROL AND BODY BUILDER CONNECTIONS WITH MANUAL TRANSMISSION, P. 8

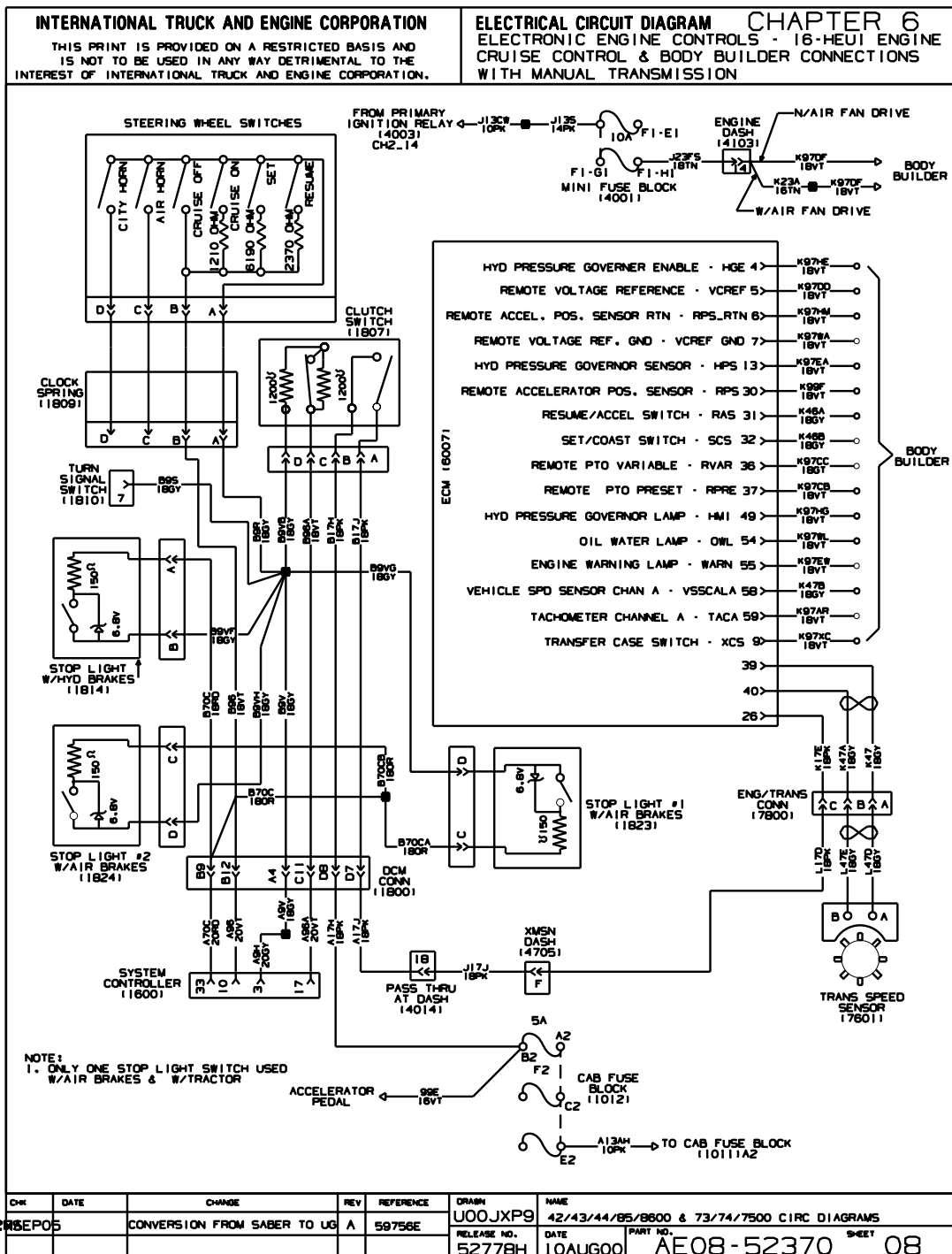


Figure 86 16 HEUI Engine Cruise Control and Body Builder Connections with Manual Transmission

6.9. ROAD SPEED SIGNAL, P. 9

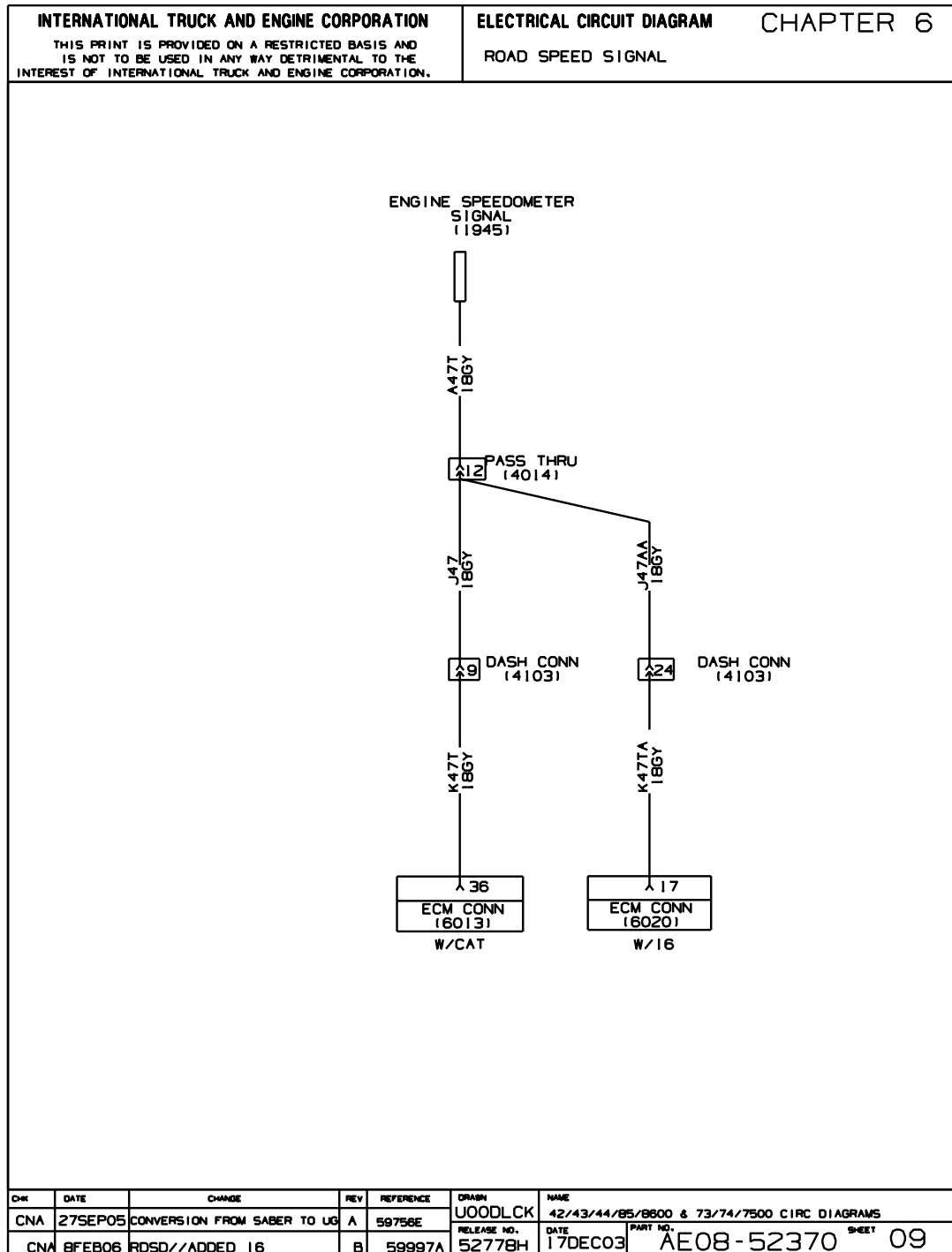


Figure 87 Road Speed Signal

6.10. MWM ENGINE — MULTIPLEXED MONITORING UNIT, P. 10

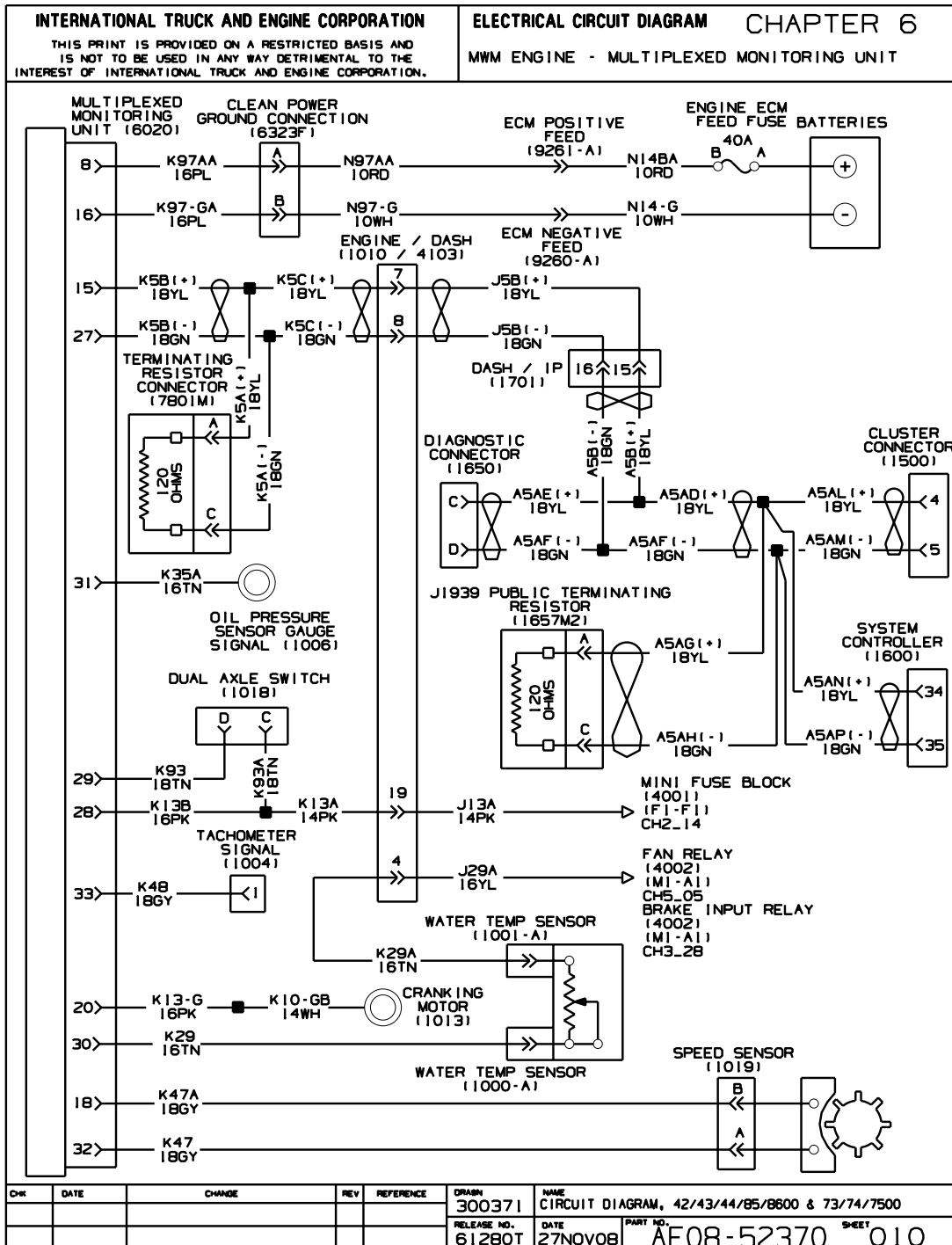


Figure 88 MWM Engine — Multiplexed Monitoring Unit

7. GAUGES WITH AND WITHOUT INTEGRAL WARNING LIGHT (CHAPTER 7)

7.1. IP/GAUGE LIST, P. 1

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 7

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	AXEL

NOTES:

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

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
20SEP05		CONVERSION FROM SABER TO UG	B	59756E	U00JXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.	DATE
					52778H	09AUG00
					PART NO.	AE08-52371
						SHEET 01

Figure 89 IP/Gauge List

7.2. WARNING LIGHT LIST, P. 2

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM

WARNING LIGHTS LIST

CHAPTER 7

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 (①)	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	SWITCH	
BRAKE FLUID	SYSTEM CTRLR/DRIVE TRAIN J1939/CLUSTER	BRK RESEVOIR	
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 (②)	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 PROTEC	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		
TOUCHLOC 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	DRAWN	NAME
CNA	29SEP03	ADDED FR AXLE ENGAGED.	B	58928U	UD0JXP9	42/43/44/85/9600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.	DATE
					P52778H	09AUG00
						PART NO.
						AE09-52371
						SHEET
						02

Figure 90 Warning Light List

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

INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.	ELECTRICAL CIRCUIT DIAGRAM CHAPTER 7 WARNING LIGHTS CONTROLLED BY ENGINE, TRANSMISSION, ABS CONTROLLER																					
THE FOLLOWING WARNING LIGHTS ARE CONTROLLED BY THE ENGINE, TRANSMISSION, OR ABS CONTROLLER OVER THE DATA BUS AND DO NOT HAVE INDEPENDENT CIRCUITRY THAT CAN BE OR NEEDS TO BE SHOWN: DO NOT SHIFT ENGINE (YELLOW LENS) ENGINE (RED LENS) TRAC CTRL CHECK TRANS TRAILER ABS CHECK ELECTR SYS ABS WAIT TO START RETARD OVERHEAT AUTO NEUTRAL OPTIMIZED IDLE																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">CH#</th> <th style="width: 10%;">DATE</th> <th style="width: 20%;">CHANGE</th> <th style="width: 5%;">REV</th> <th style="width: 10%;">REFERENCE</th> <th style="width: 10%;">DASH</th> <th style="width: 35%;">NAME</th> </tr> <tr> <td>215EPO5</td> <td></td> <td>CONVERSION FROM SABER TO UG</td> <td>B</td> <td>59756E</td> <td>U00JXP9</td> <td>42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>RELEASE NO. 52778H</td> <td>DATE 20JUN00 PART NO. AE08-52371 SHEET 03</td> </tr> </table>		CH#	DATE	CHANGE	REV	REFERENCE	DASH	NAME	215EPO5		CONVERSION FROM SABER TO UG	B	59756E	U00JXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS						RELEASE NO. 52778H	DATE 20JUN00 PART NO. AE08-52371 SHEET 03
CH#	DATE	CHANGE	REV	REFERENCE	DASH	NAME																
215EPO5		CONVERSION FROM SABER TO UG	B	59756E	U00JXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																
					RELEASE NO. 52778H	DATE 20JUN00 PART NO. AE08-52371 SHEET 03																

Figure 91 Warning Lights Controlled by Engine, Transmission, ABS Controller

7.4. ENGINE OIL PRESSURE AND TEMP, SPEEDOMETER, TACH, VOLTMETER AND WATER TEMP GAUGE CIRCUITS, P. 4

INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.	ELECTRICAL CIRCUIT DIAGRAM CHAPTER 7 ENG OIL PRESS & TEMP, SPEEDOMETER, TACH, VOLTMETER & WATER TEMP GAUGE CIRCUITS						
REFER TO CONSOLIDATED ENGINE/VEHICLE CONTROLLER DIAGNOSTICS MANUAL EGES-175 (DT466), EGES-190 (V8-AVNT), FOR CIRCUIT DIAGRAMS SHOWING INPUT CIRCUITRY FOR THE FOLLOWING DATALINK DRIVEN SYSTEM: ENGINE OIL PRESSURE GAUGE ENGINE OIL TEMPERATURE GAUGE SPEEDOMETER GAUGE TACHOMETER GAUGE WATER TEMPERATURE GAUGE							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
PEC	16JAN01	PRODUCTION RELEASE.	A	P54304U	U00JXP9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	PART NO.
					P52778H	20JUN00	AE08-52371
						SHEET	04

Figure 92 Engine Oil Pressure and Temp, Speedometer, Tach, Voltmeter and Water Temp Gauge Circuits

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

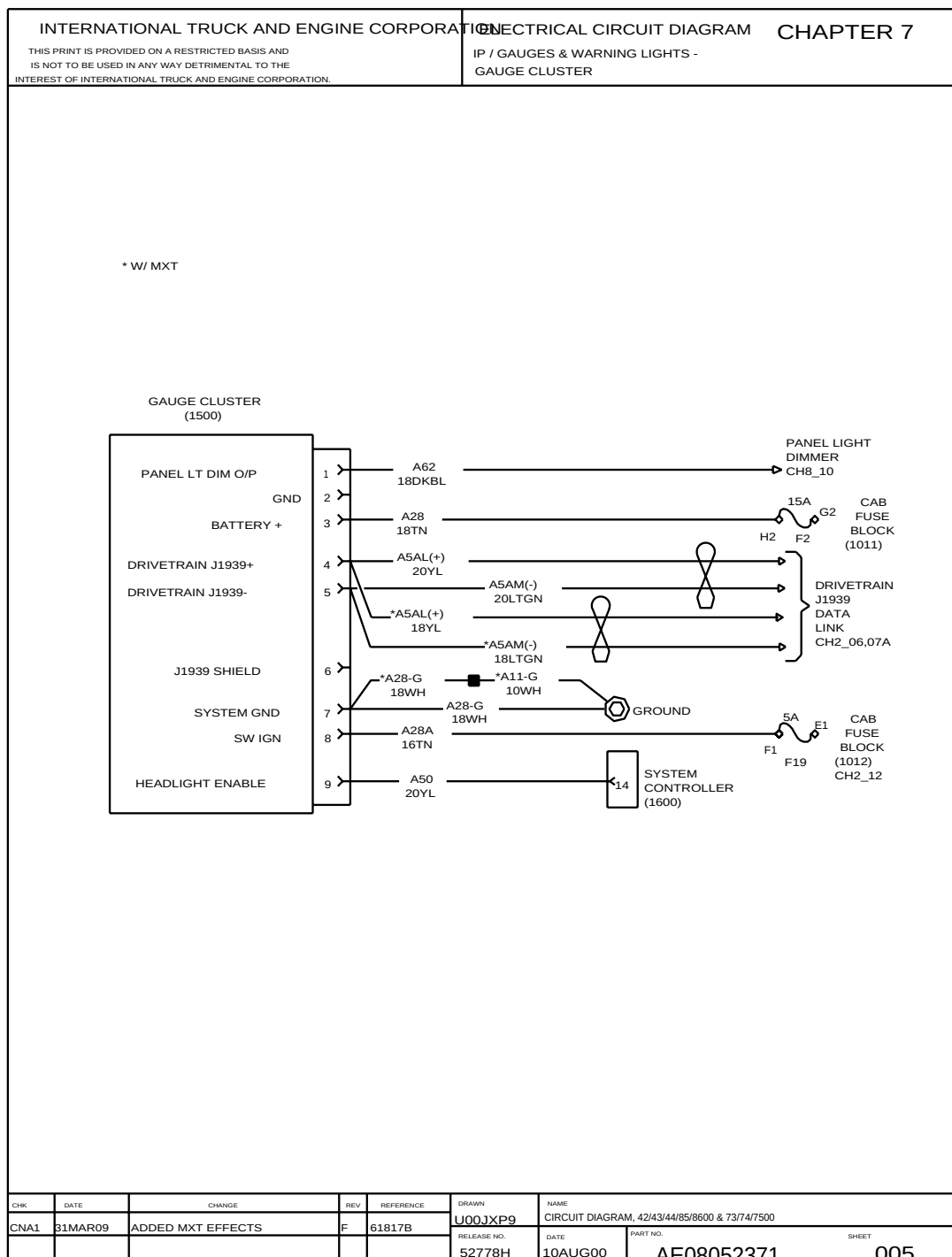


Figure 93 IP/Gauges and Warning Lights — Gauge Cluster

7.6. AIR PRESSURE INPUT CIRCUIT, P. 6

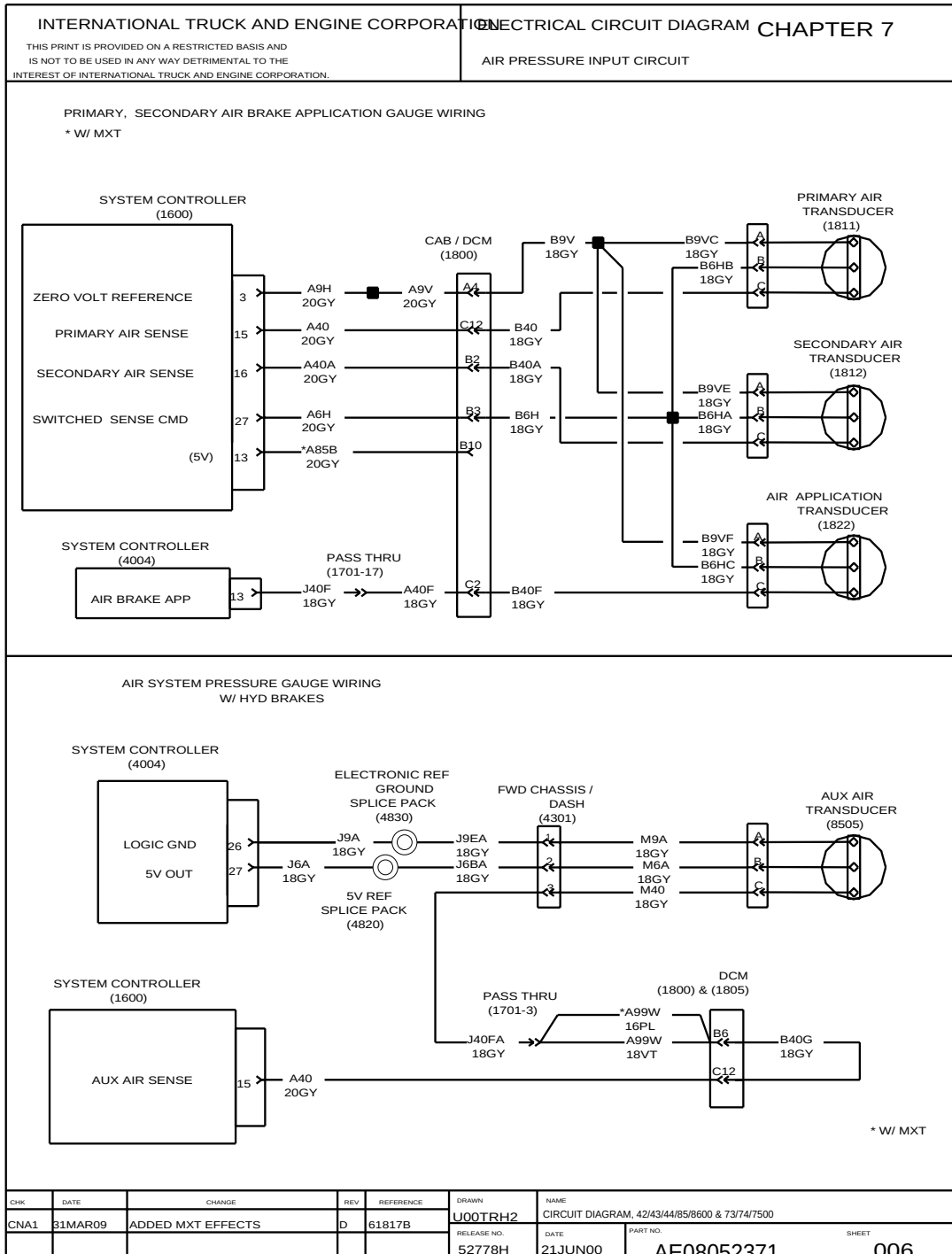


Figure 94 Air Pressure Input Circuit

7.8. FUEL GAUGE INPUT CIRCUIT (SINGLE TANK) DIFFERENTIAL LOCK WARNING LAMPS, P. 8

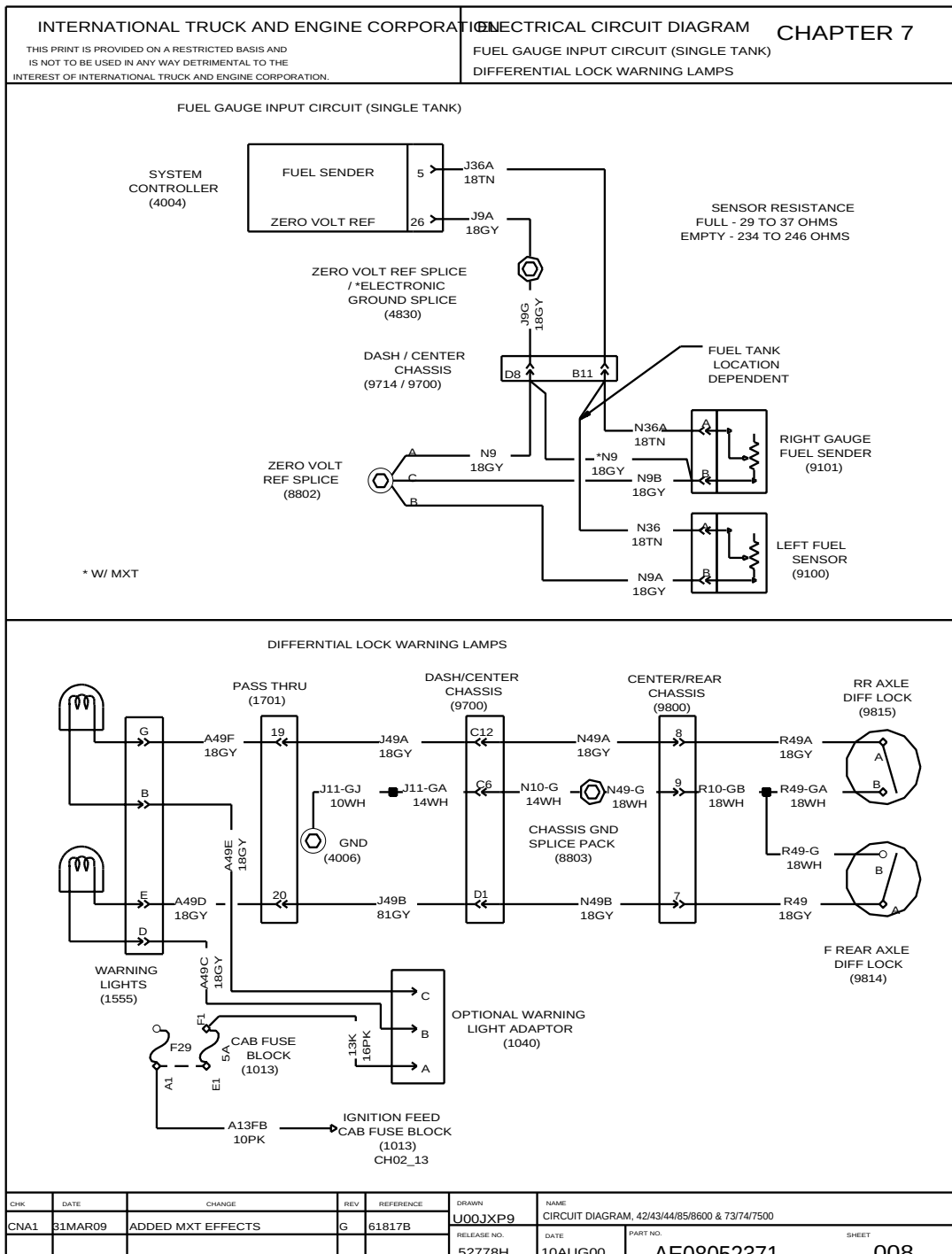


Figure 96 Fuel Gauge Input Circuit (Single Tank) Differential Lock Warning Lamps

7.9. GAUGES AND WARNING LIGHTS — FUEL FILTER HEATER AND WATER IN FUEL LIGHTS, P. 9

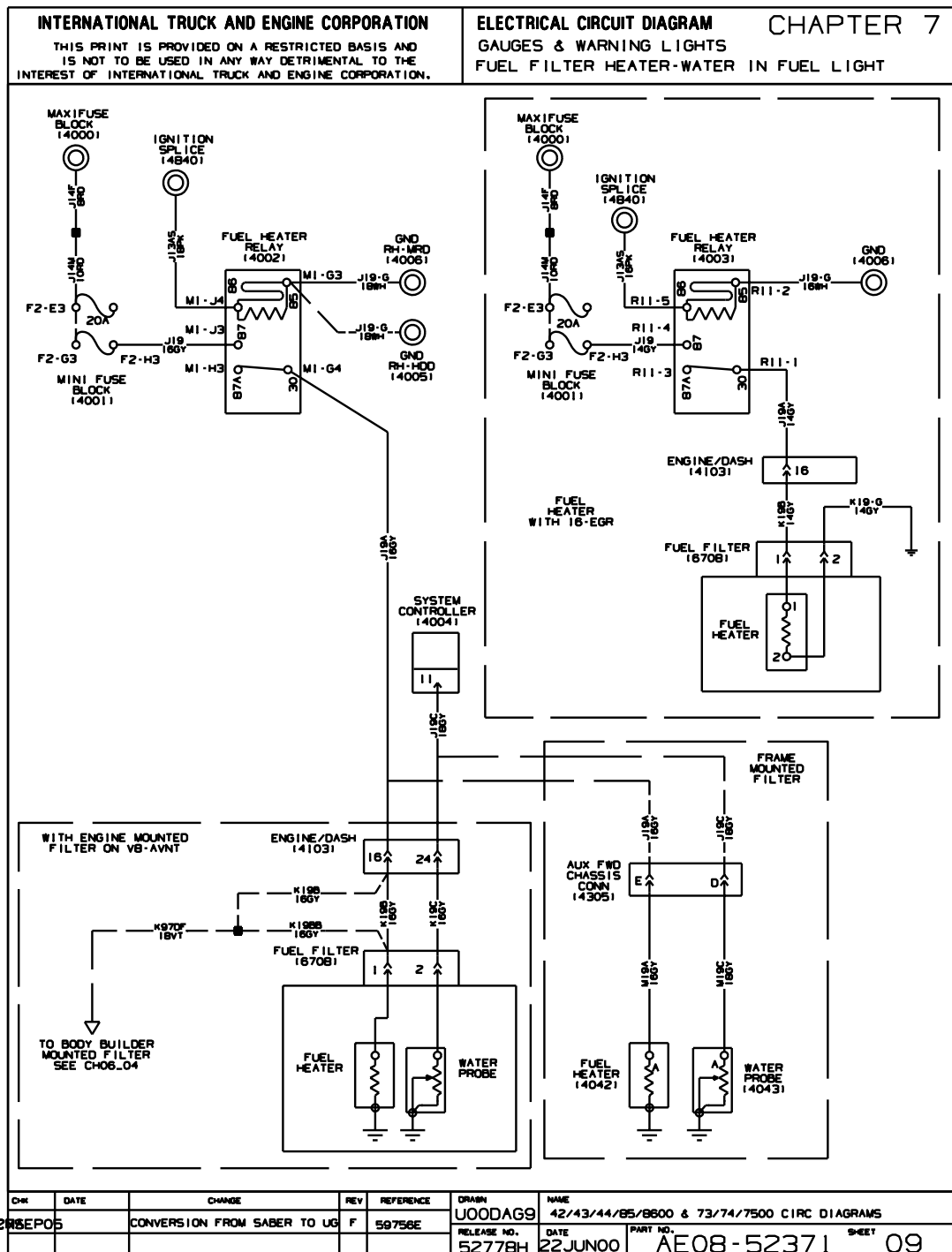


Figure 97 Gauges and Warning Lights — Fuel Filter Heater and Water in Fuel Lights

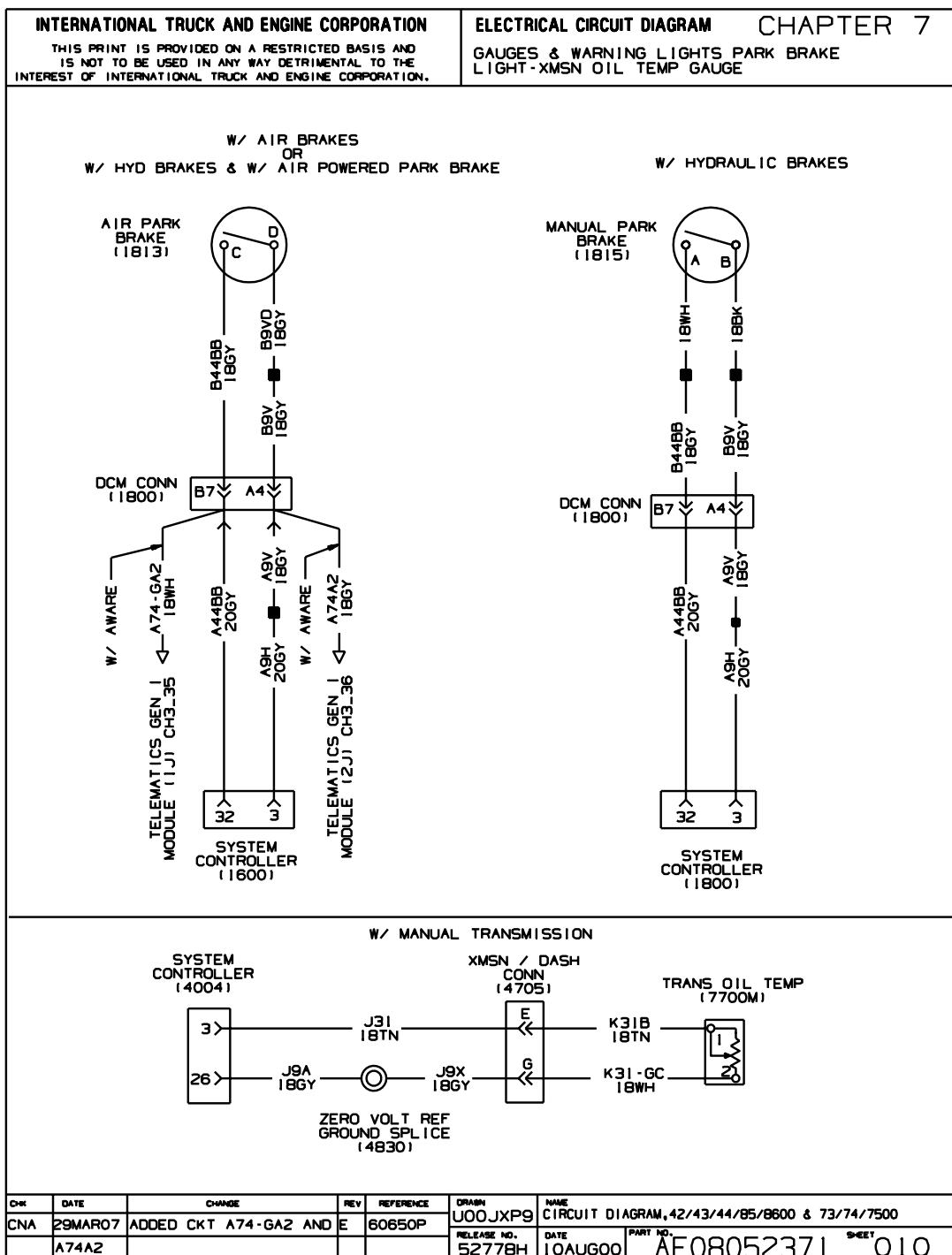
7.10. GAUGES AND WARNING LIGHTS — PARK BRAKE LIGHT AND TRANSMISSION OIL TEMP. GAUGE, P. 10

Figure 98 Gauges and Warning Lights — Park Brake Light and Transmission Oil Temp. Gauge

7.11. GAUGES AND WARNING LIGHTS — AMMETER, P. 11

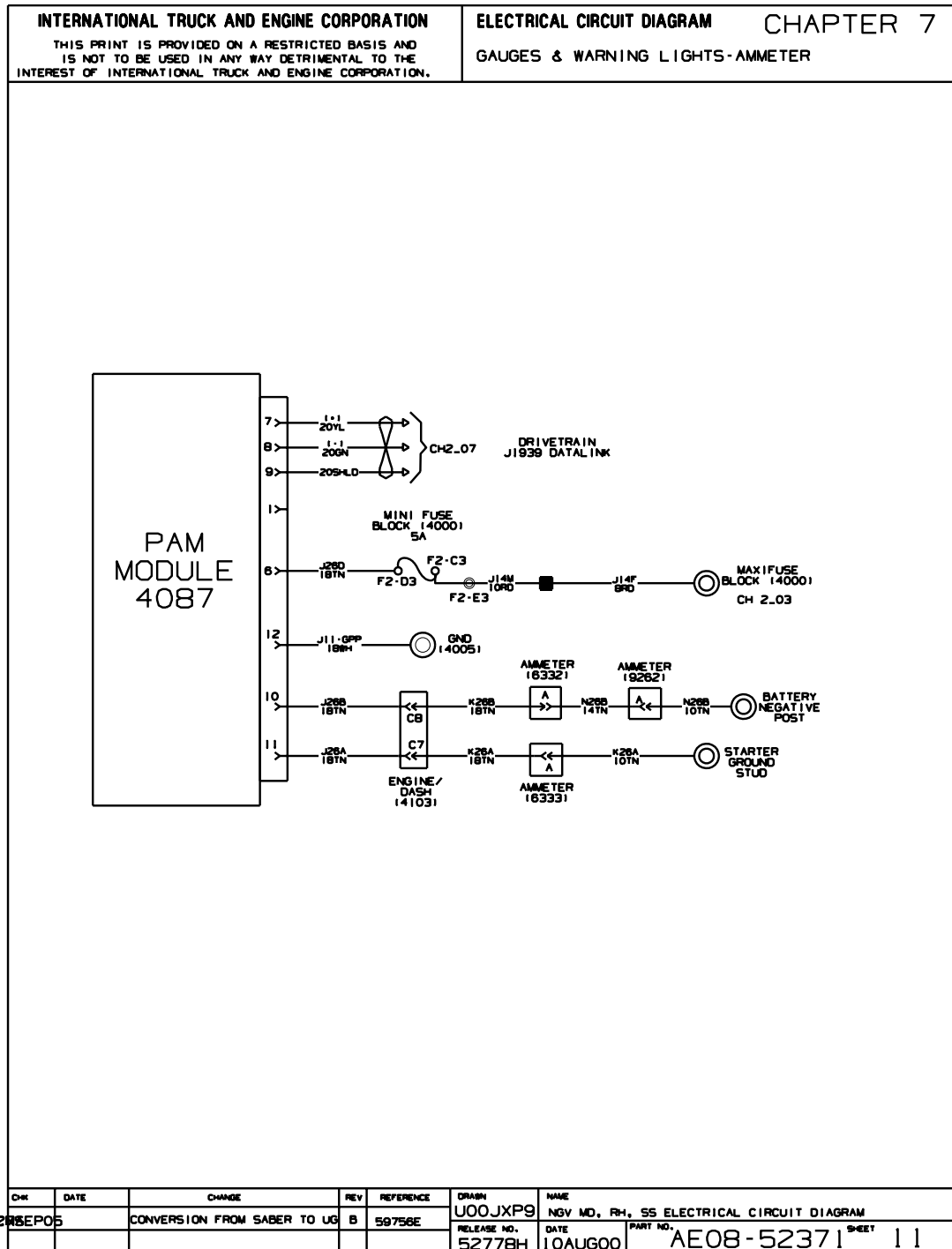


Figure 99 Gauges and Warning Lights — Ammeter

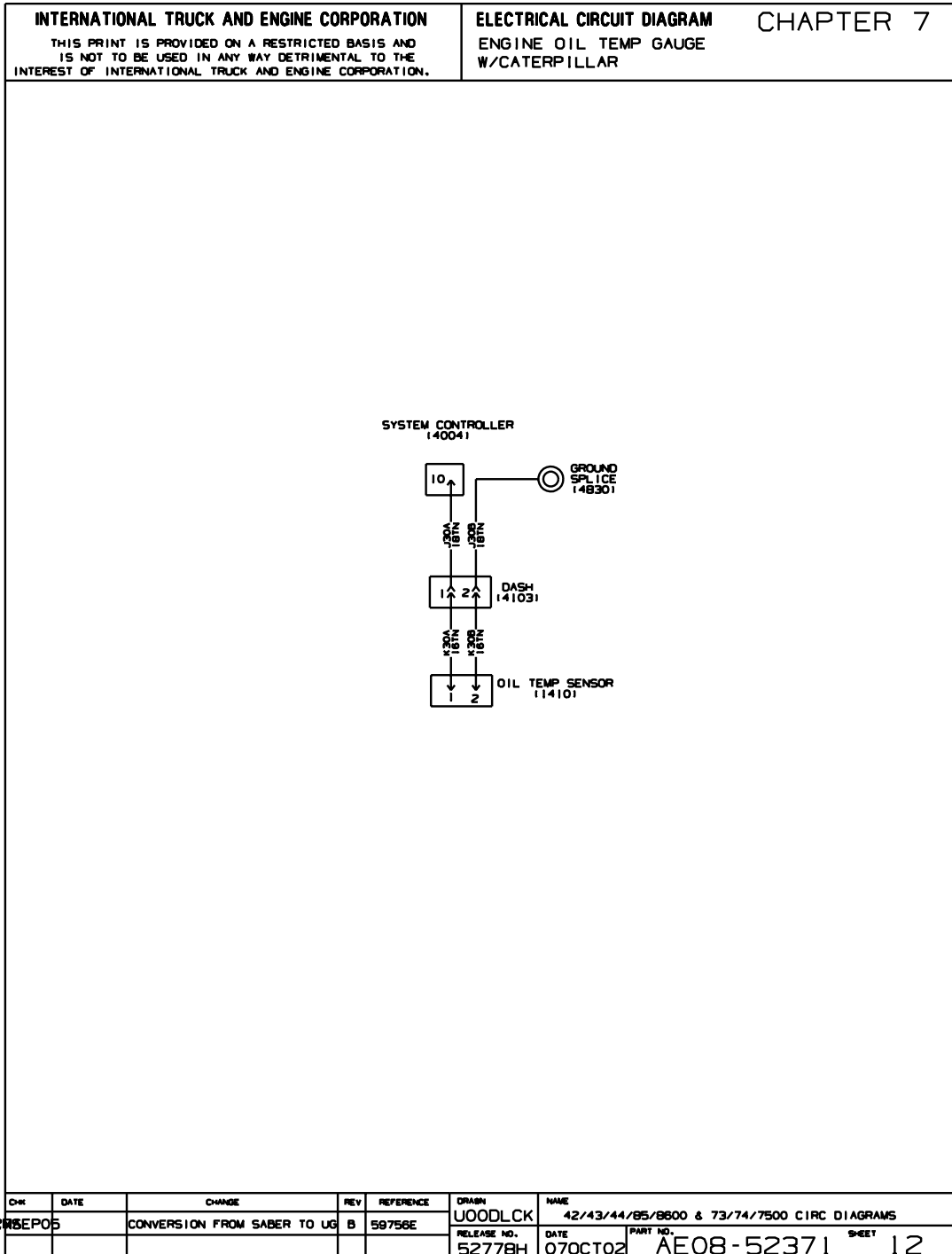
7.12. ENGINE OIL TEMPERATURE GAUGE WITH CATERPILLAR, P. 12

Figure 100 Engine Oil Temperature Gauge With Caterpillar

7.13. FRONT AXLE ENGAGEMENT WARNING LAMP, P. 13

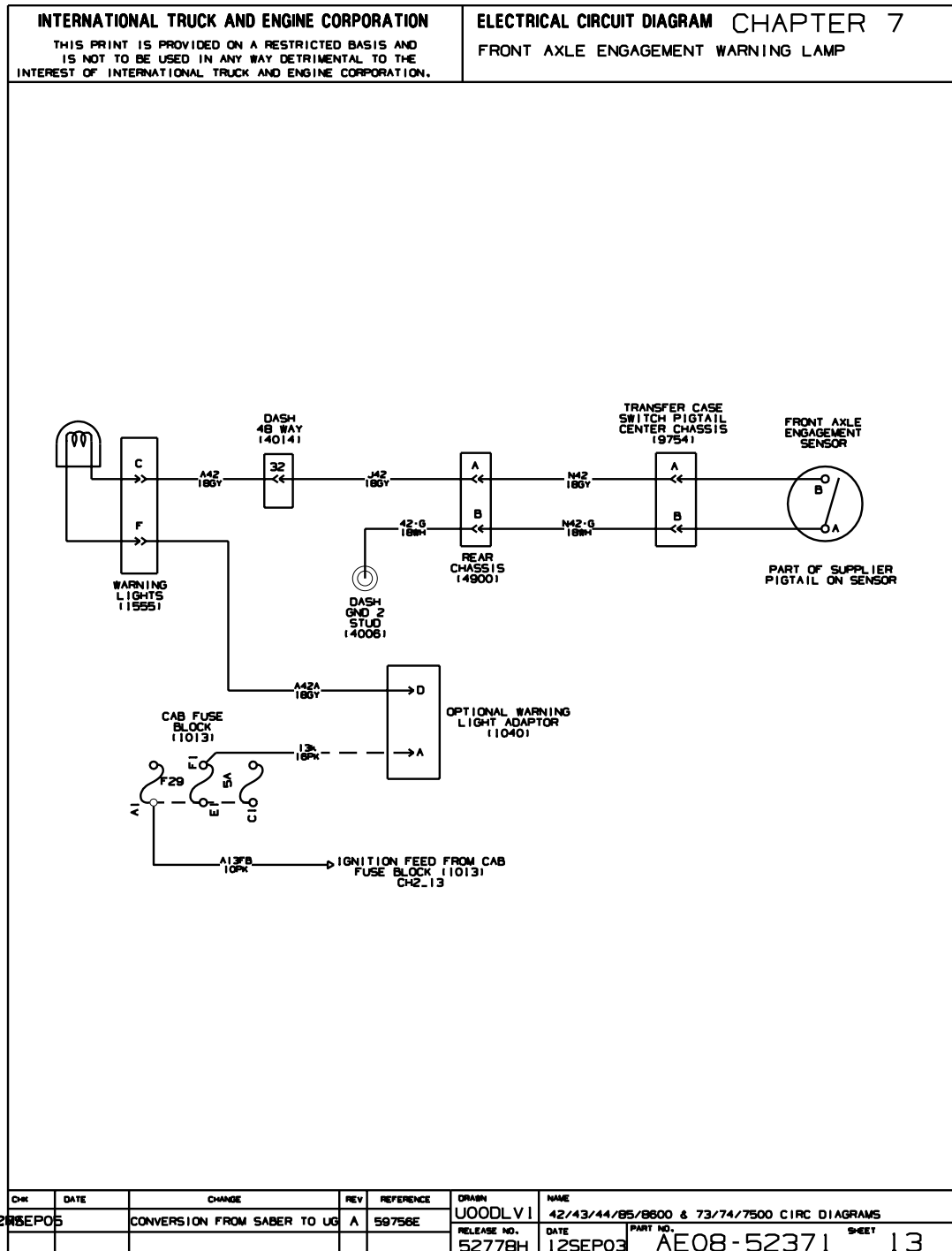


Figure 101 Front Axle Engagement Warning Lamp

8. LIGHTS (CHAPTER 8)

8.1. BACKUP LIGHTS, P. 1

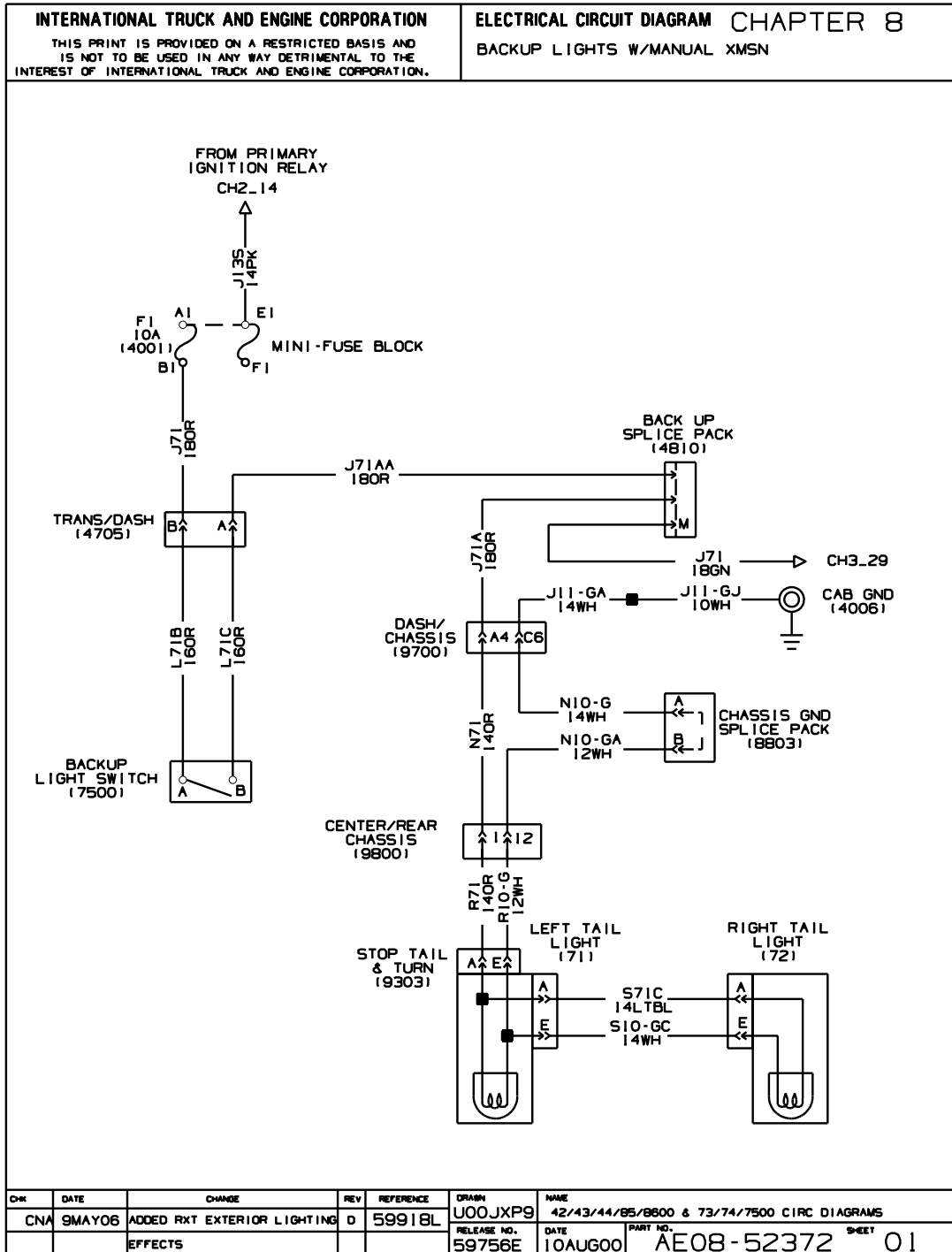


Figure 102 BackUp Lights

8.2. LIGHT SYSTEMS — CLEARANCE, MARKER, AND PARK, P. 2

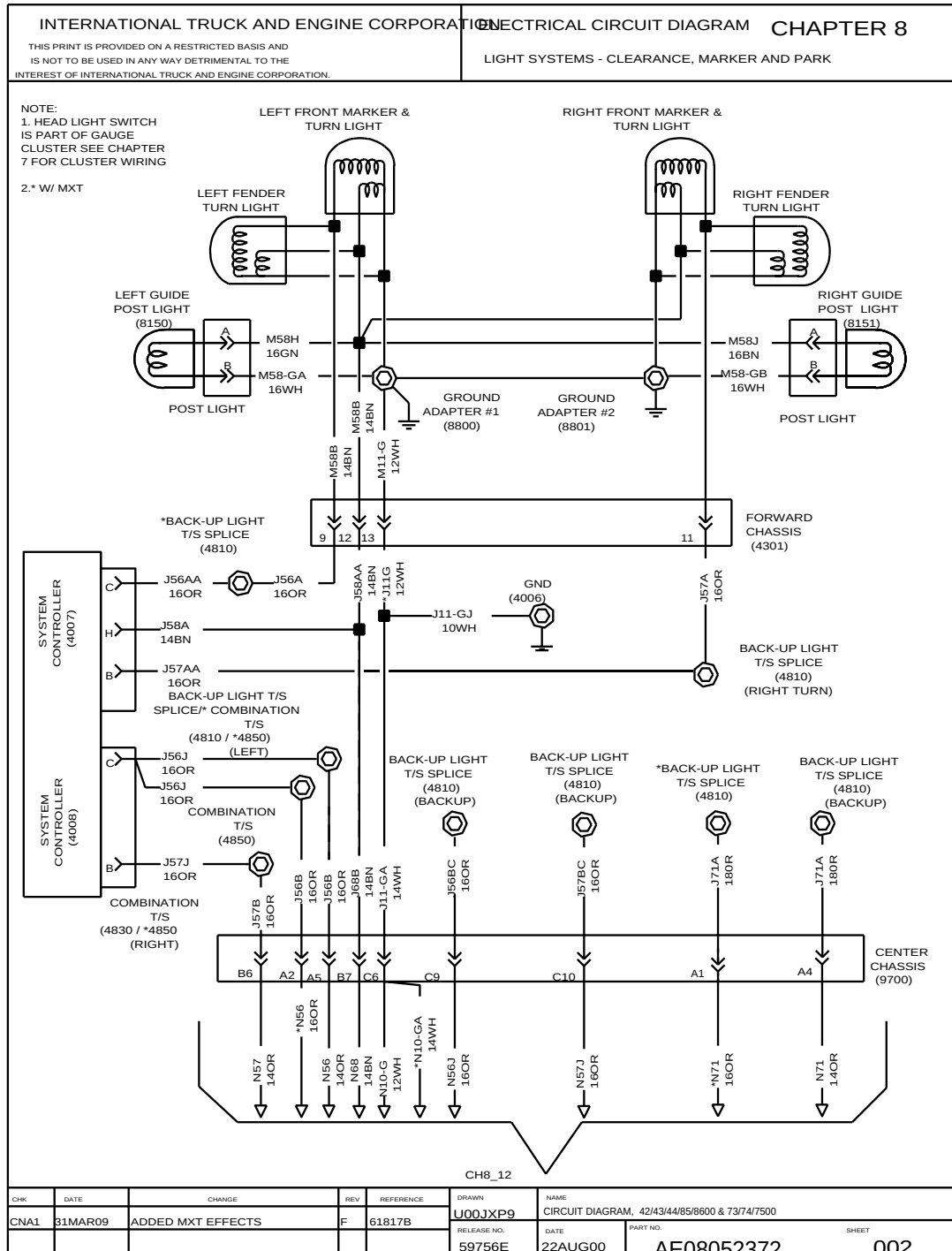


Figure 103 Light Systems — Clearance, Marker, and Park

8.3. LIGHT SYSTEMS — CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LAMPS, P. 3

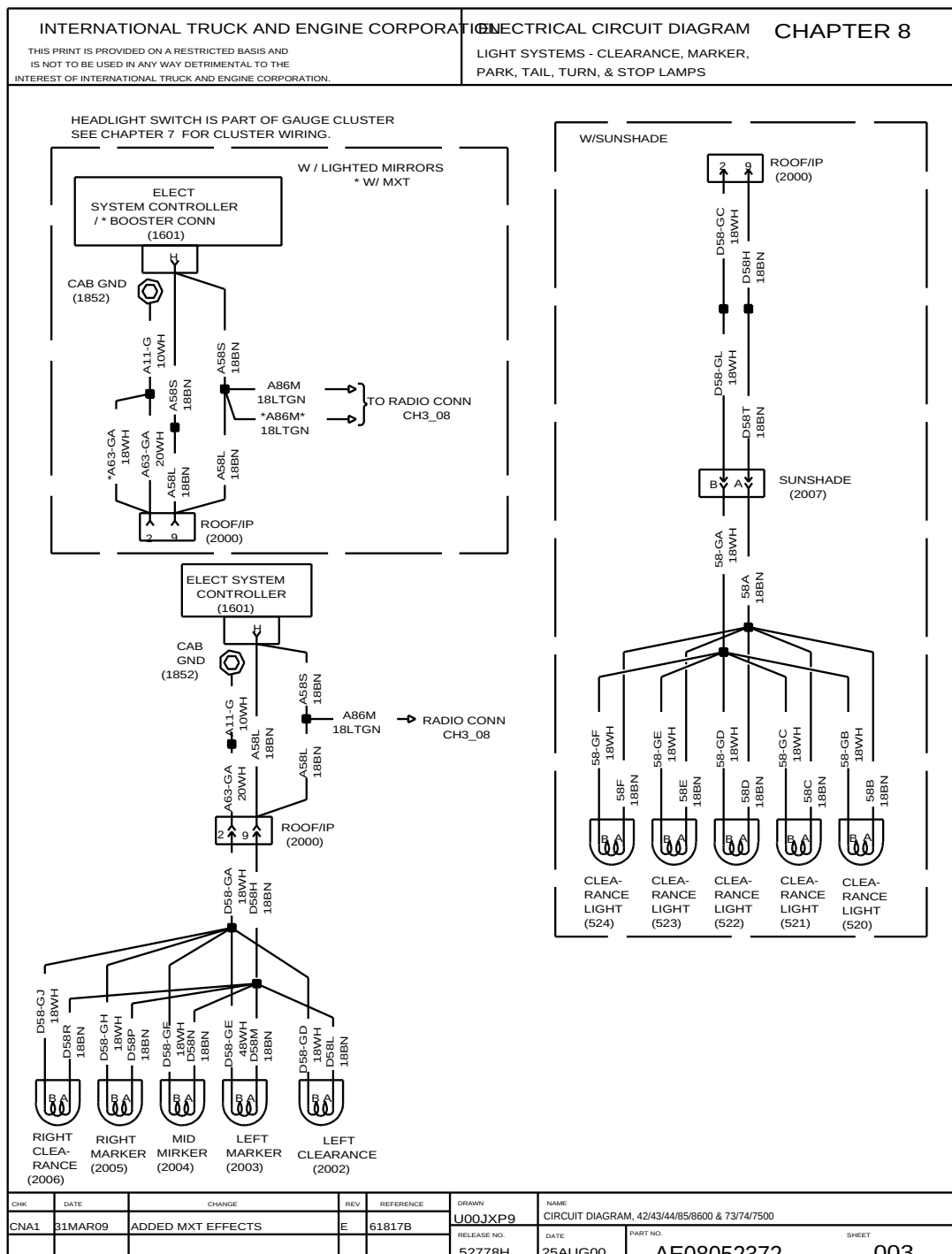


Figure 104 Light Systems — Clearance, Marker, Park, Tail, Turn and Stop Lamps

8.4. LIGHT SYSTEMS — TURN SIGNAL AND STOP SWITCHES, P. 4

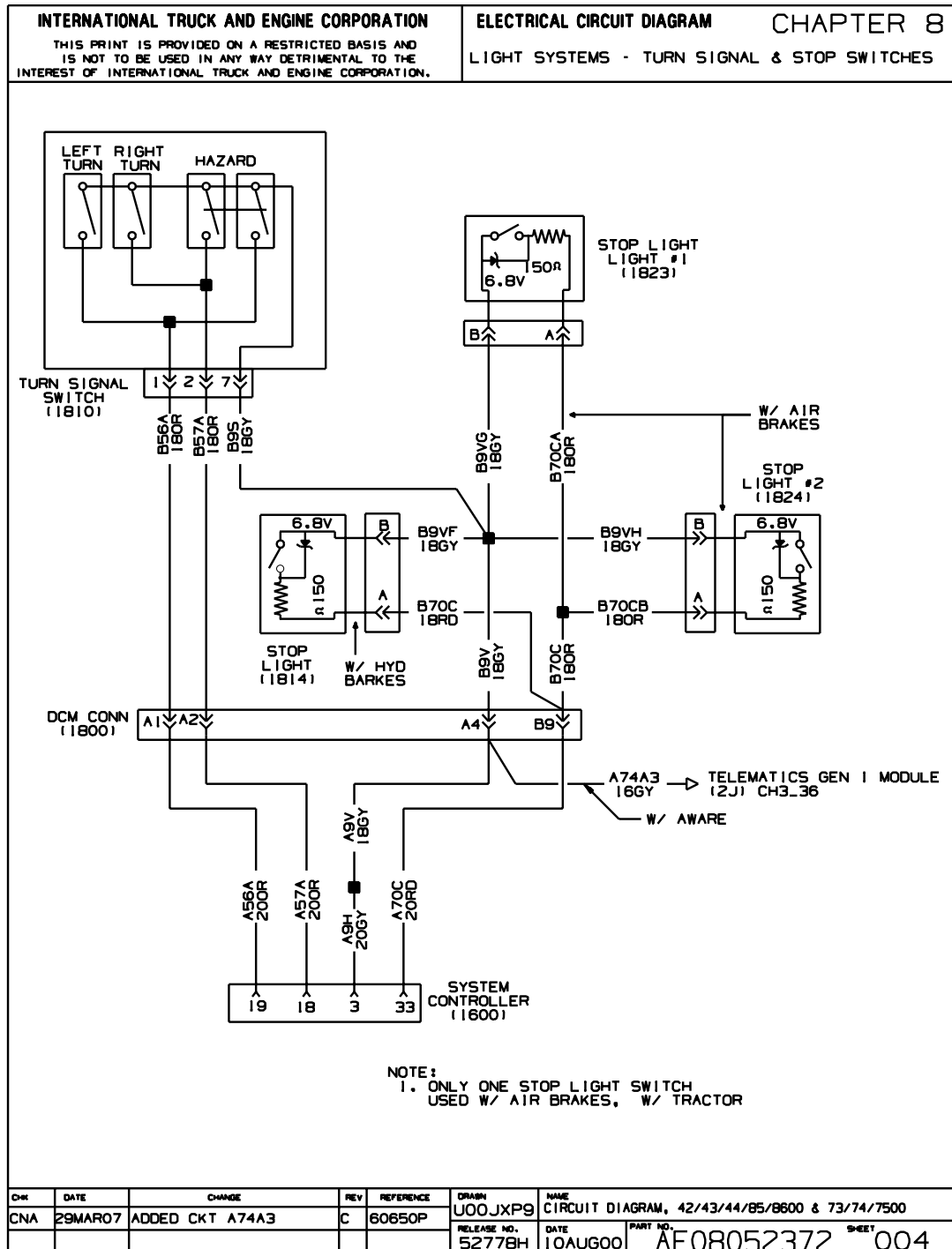


Figure 105 Light Systems — Turn Signal and Stop Switches

8.5. DOME LIGHT, MAP LIGHT, P. 5

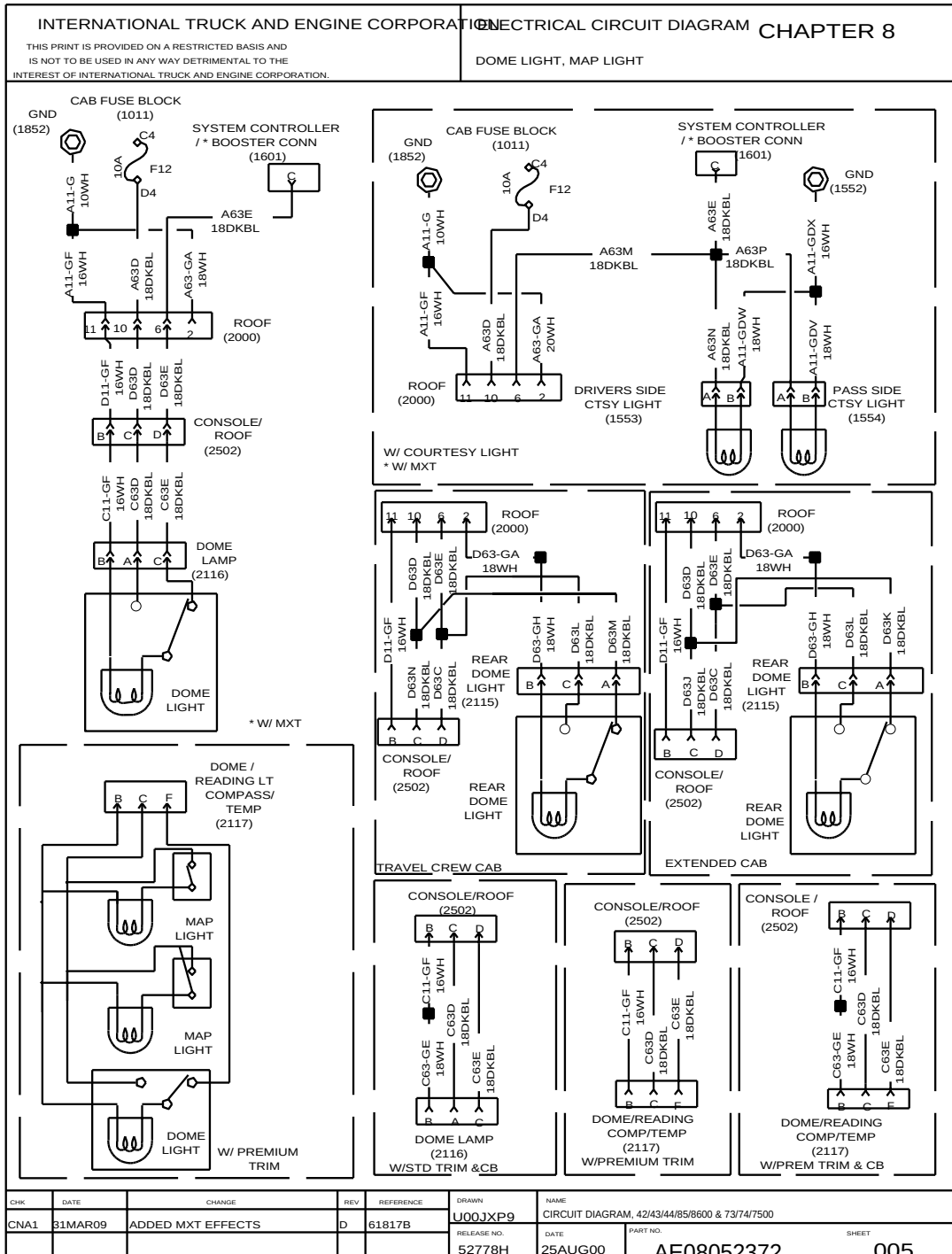


Figure 106 Dome Light, Map Light

8.6. DOME LIGHT, MAP LIGHT (CONT.), P. 6

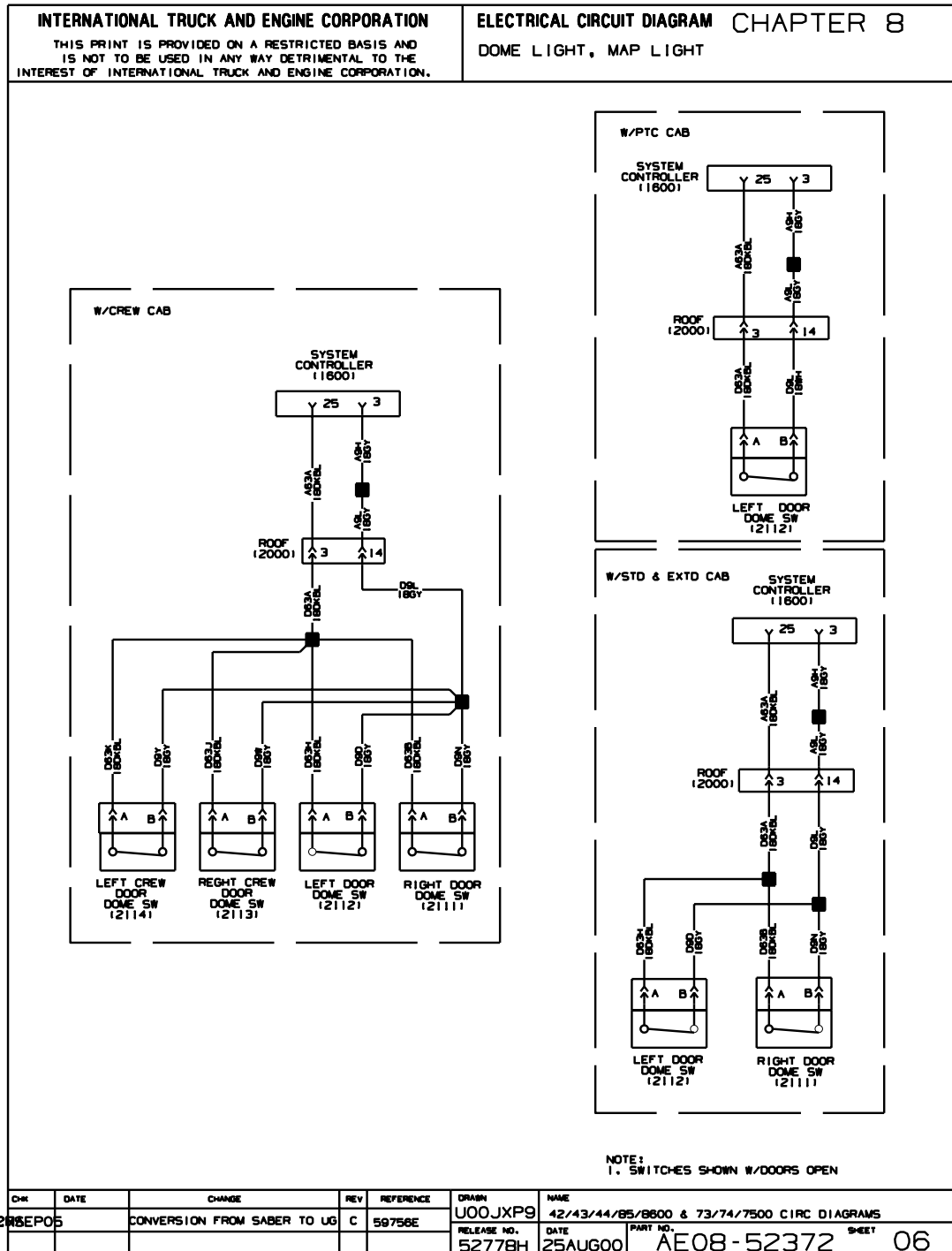


Figure 107 Dome Light, Map Light (Cont.)

8.7. FOG LIGHT AND WORK LIGHT, P. 7

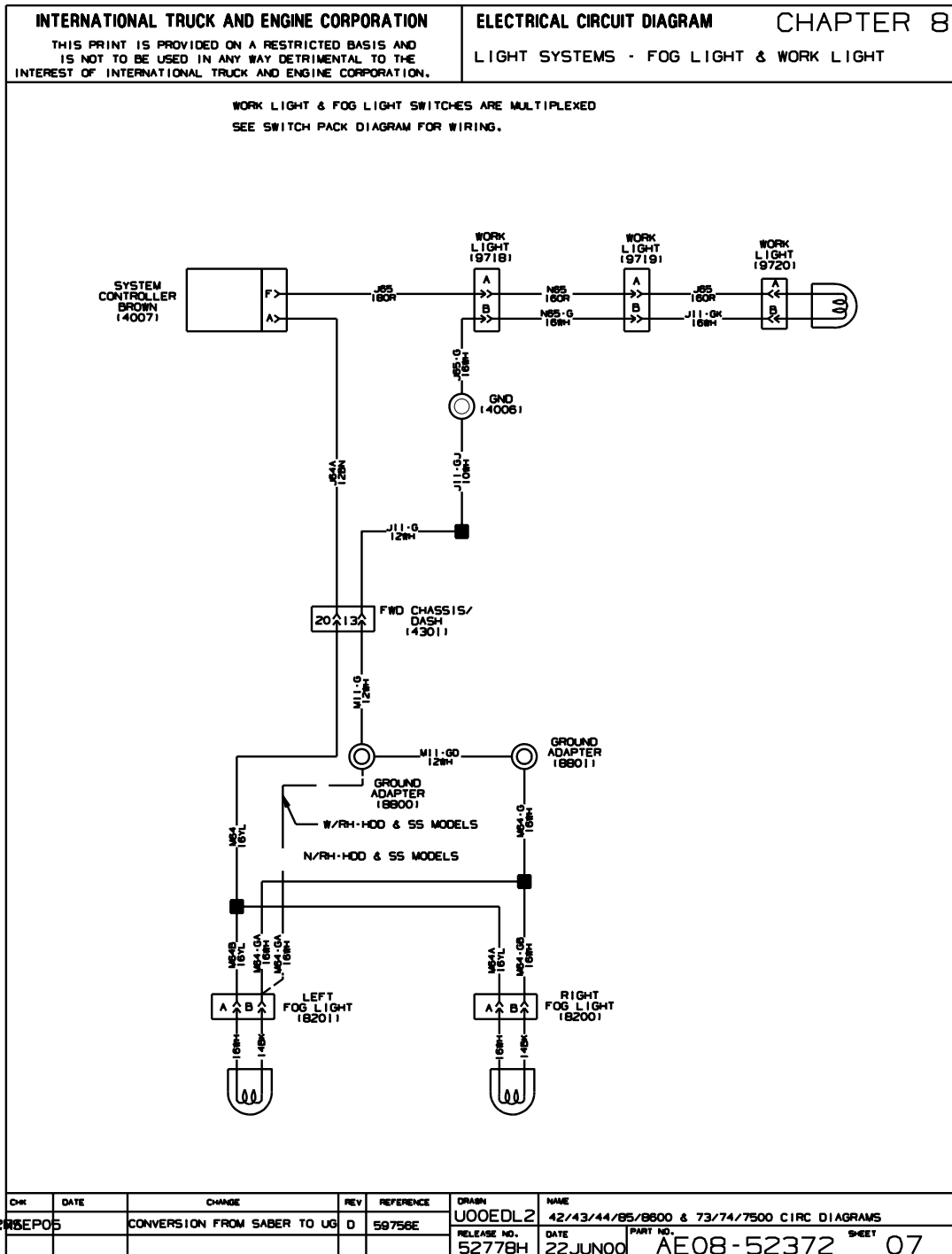


Figure 108 Fog Light and Work Light

8.8. HEADLIGHTS, P. 8

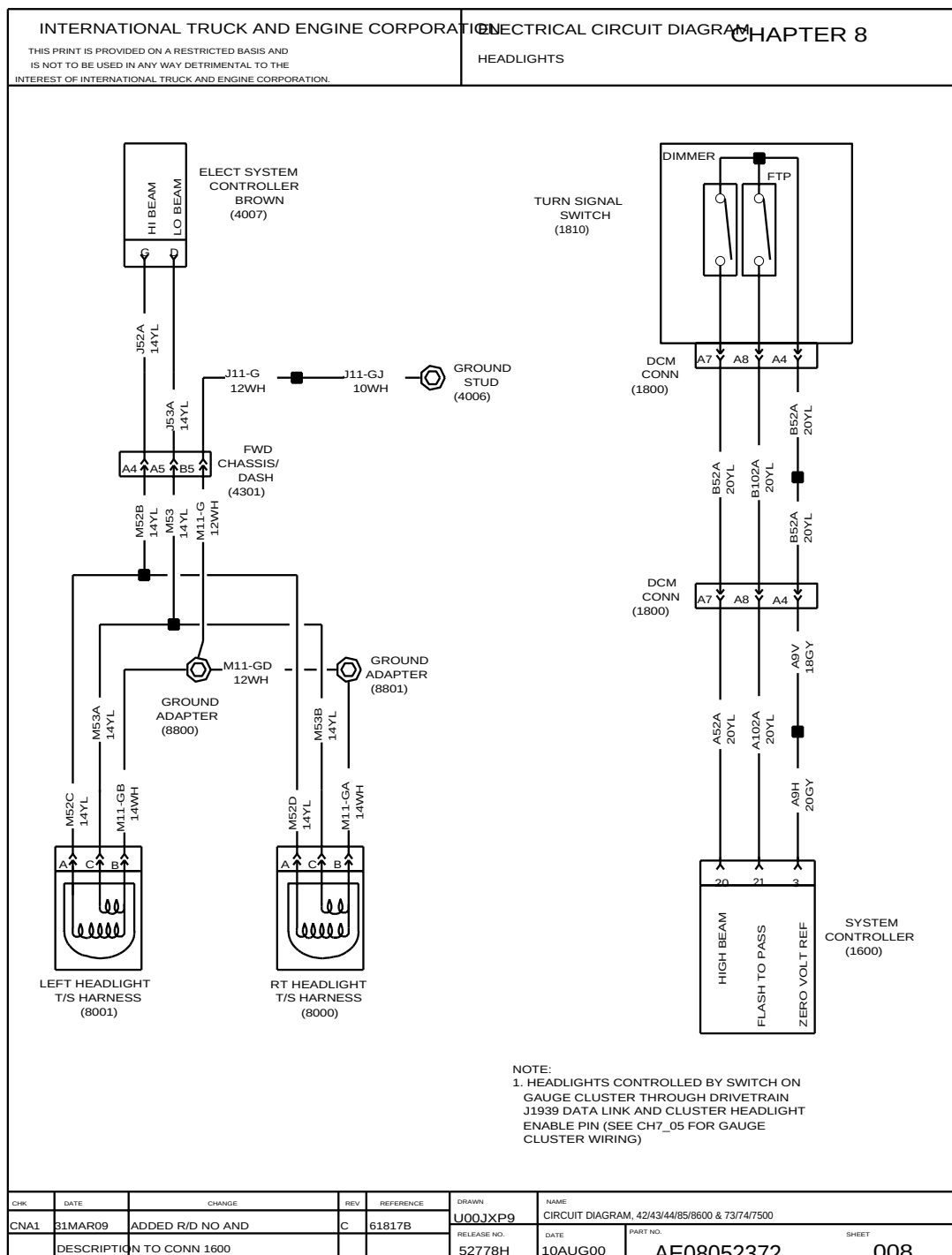


Figure 109 Headlights

8.9. AUX. HEADLIGHTS, AUX. PARK, AUX TURN, P. 9

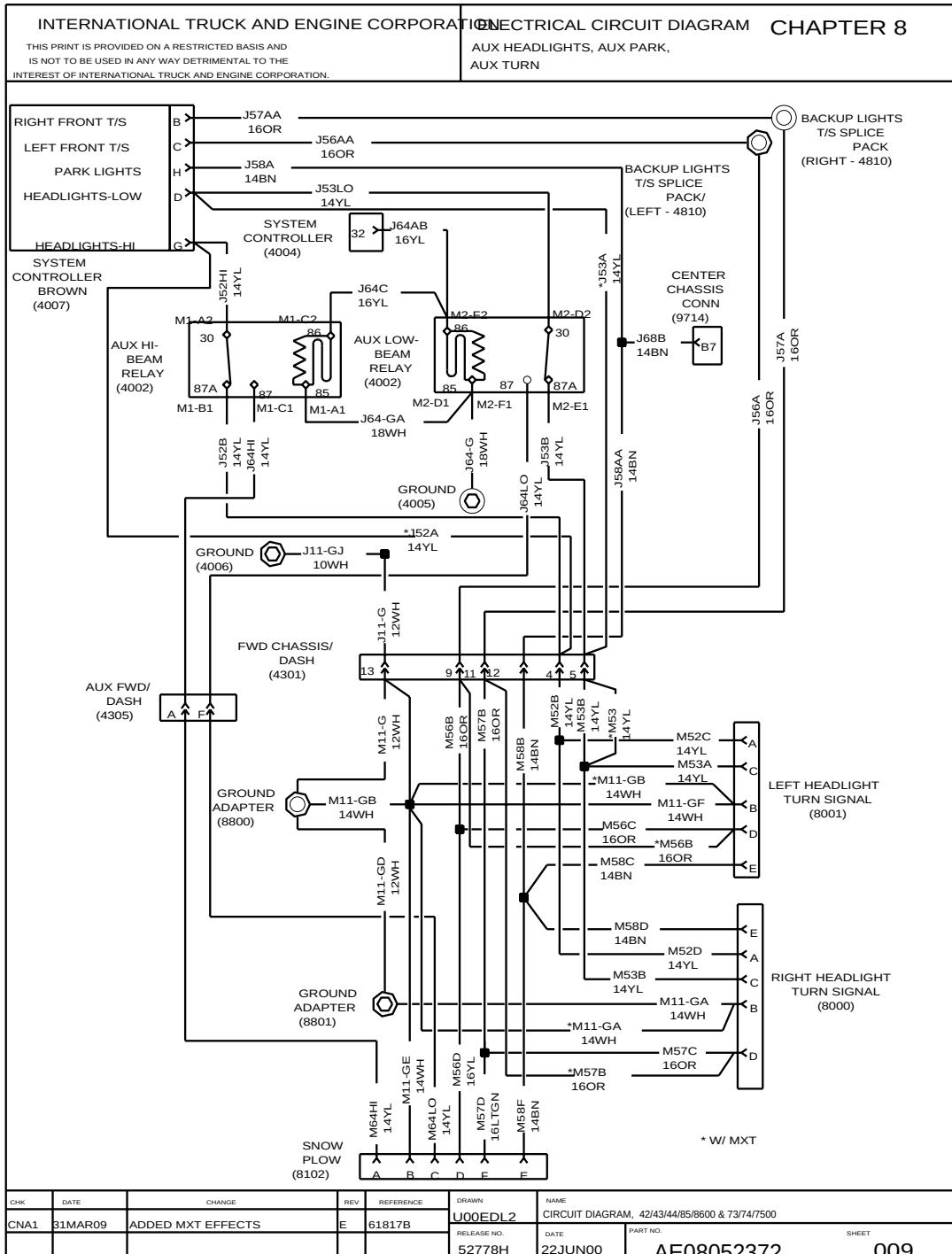


Figure 110 Aux. Headlights, Aux. Park, Aux Turn

8.10. PANEL LIGHTS, P. 10



8.11. RXT EXTERIOR LIGHTING, P. 11

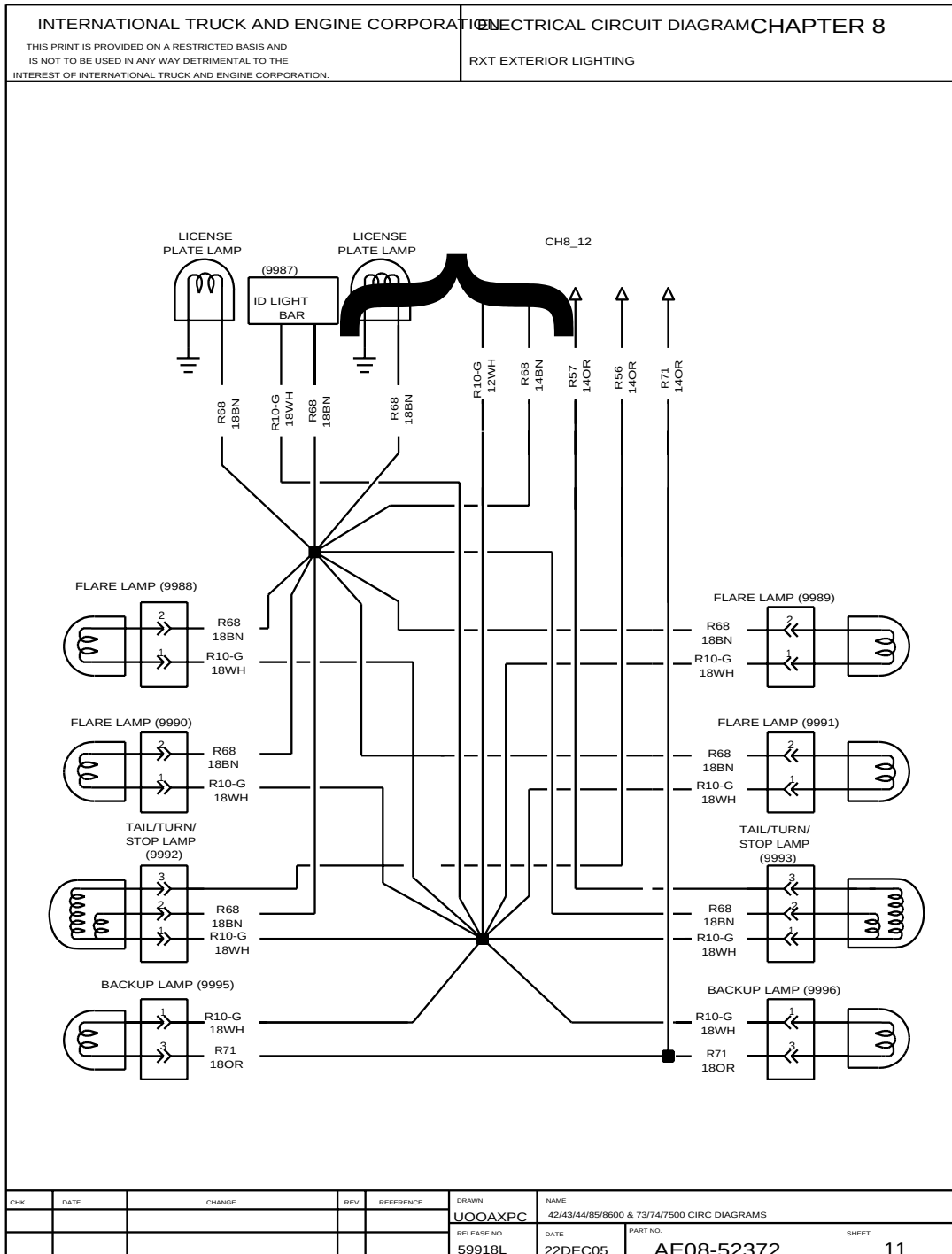


Figure 112 RXT Exterior Lighting

8.12. TAIL, TURN, AND STOP LAMPS, P. 12

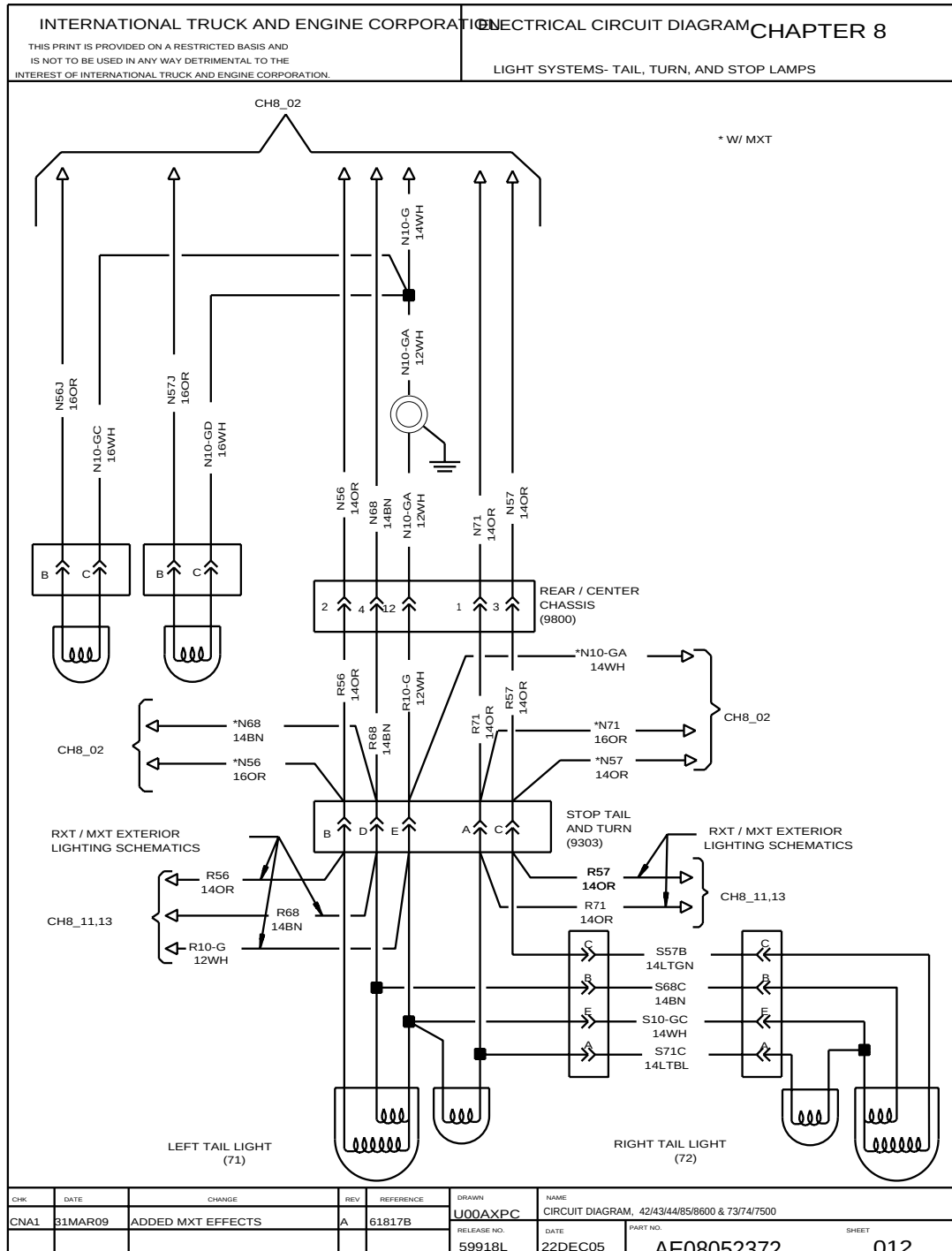


Figure 113 Tail, Turn, and Stop Lamps

8.13. MXT — EXTERIOR LIGHTING, P. 13

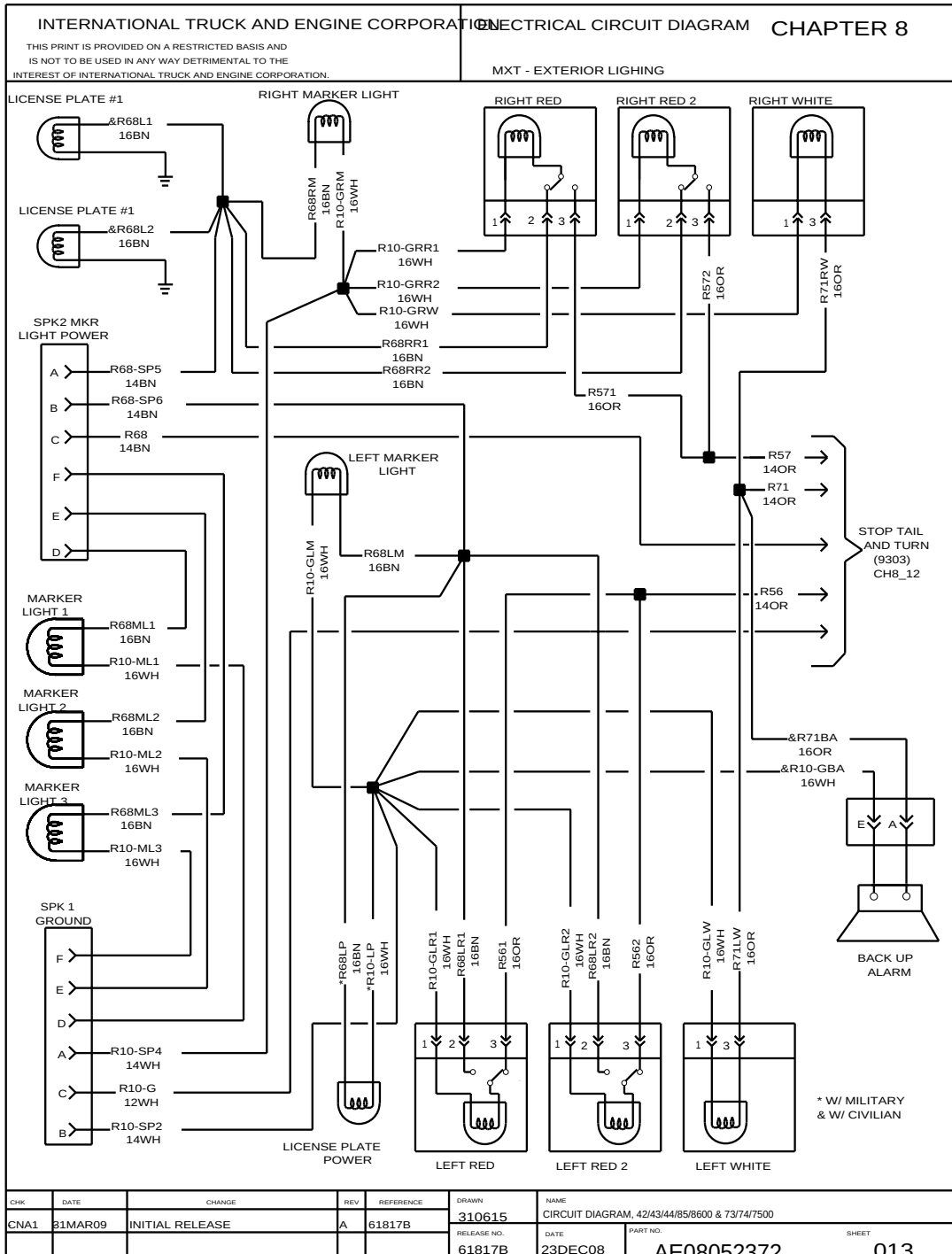


Figure 114 MXT — Exterior Lighting

9. CHASSIS ACCESSORIES (CHAPTER 9)

9.1. AIR DRYER AND HEATED DRAIN VALVE, P. 1

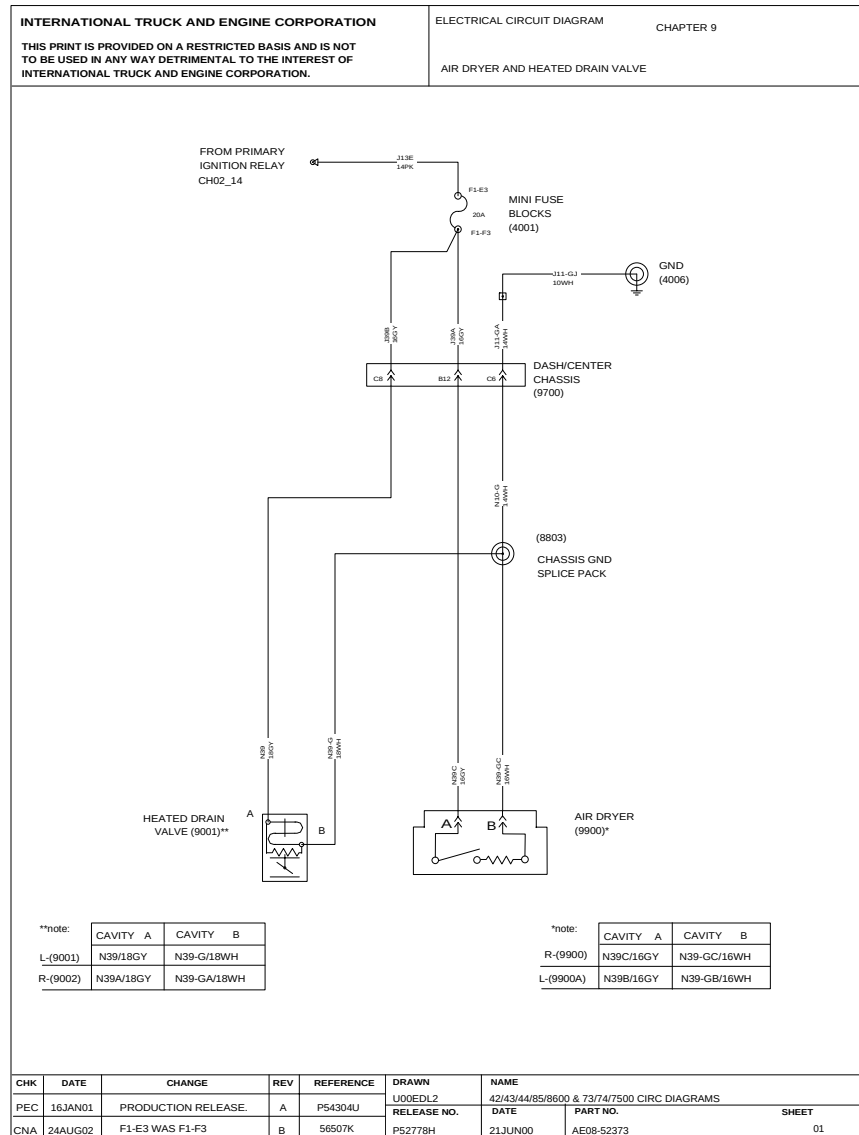


Figure 115 Air Dryer and Heated Drain Valve

9.2. ANTILOCK BRAKE SYSTEM (ABS), AIR, P. 2

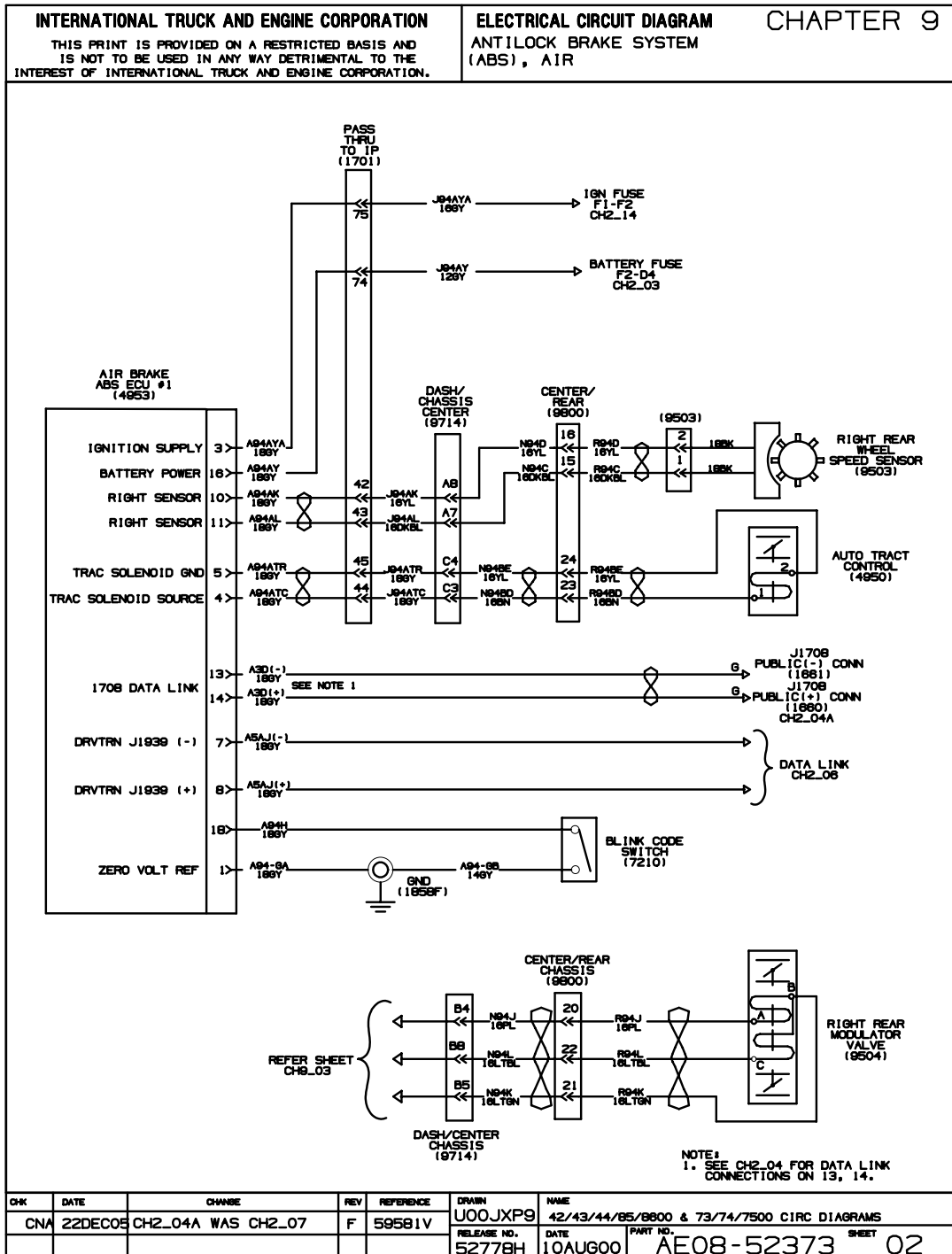


Figure 116 Antilock Brake System (ABS), Air

9.3. ANTILOCK BRAKE SYSTEM (ABS), AIR, TRACTION CONTROL, P. 3

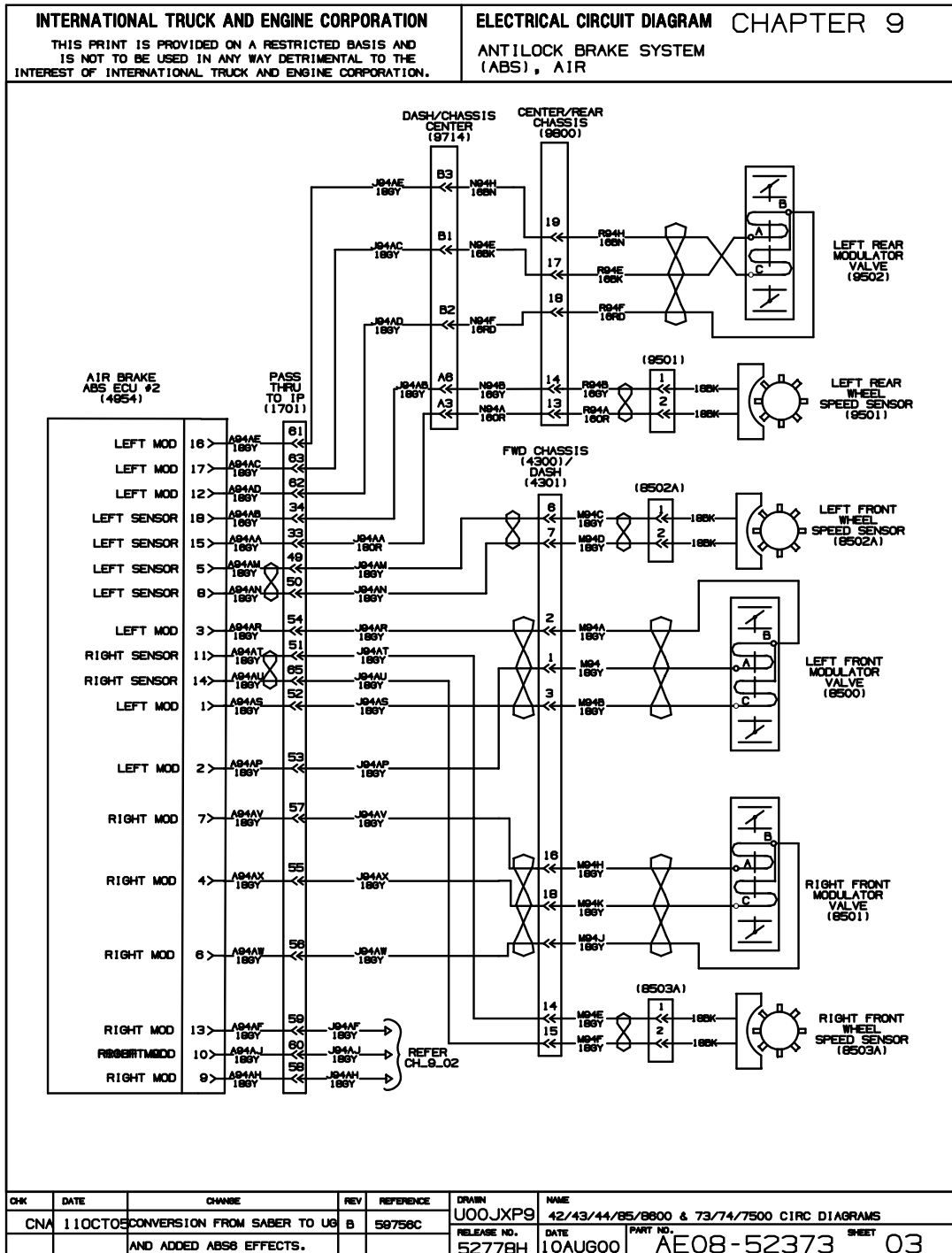


Figure 117 Antilock Brake System (ABS), Air, Traction Control

9.4. ANTILOCK BRAKE SYSTEM (ABS), HYDRAULIC, P. 4

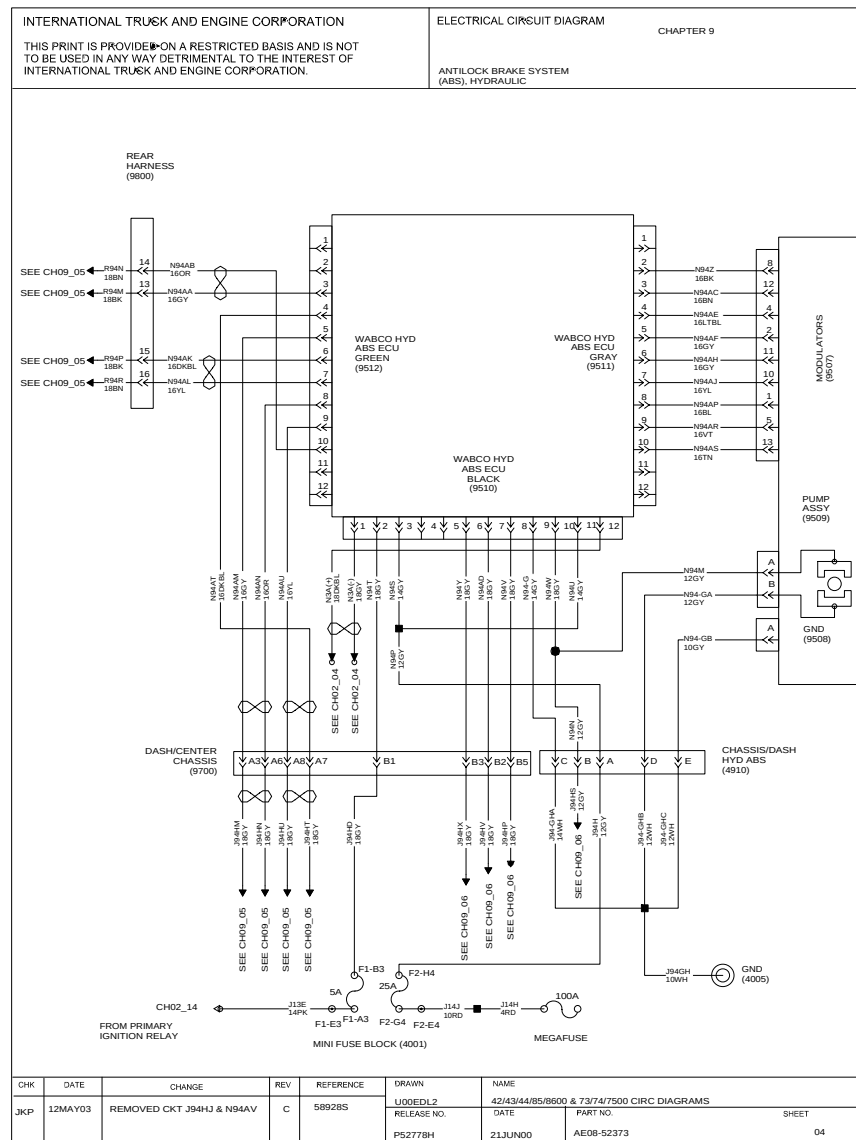


Figure 118 Antilock Brake System (ABS), Hydraulic

9.5. ANTILOCK BRAKE SYSTEM (ABS), HYDRAULIC (CONT.), P. 5

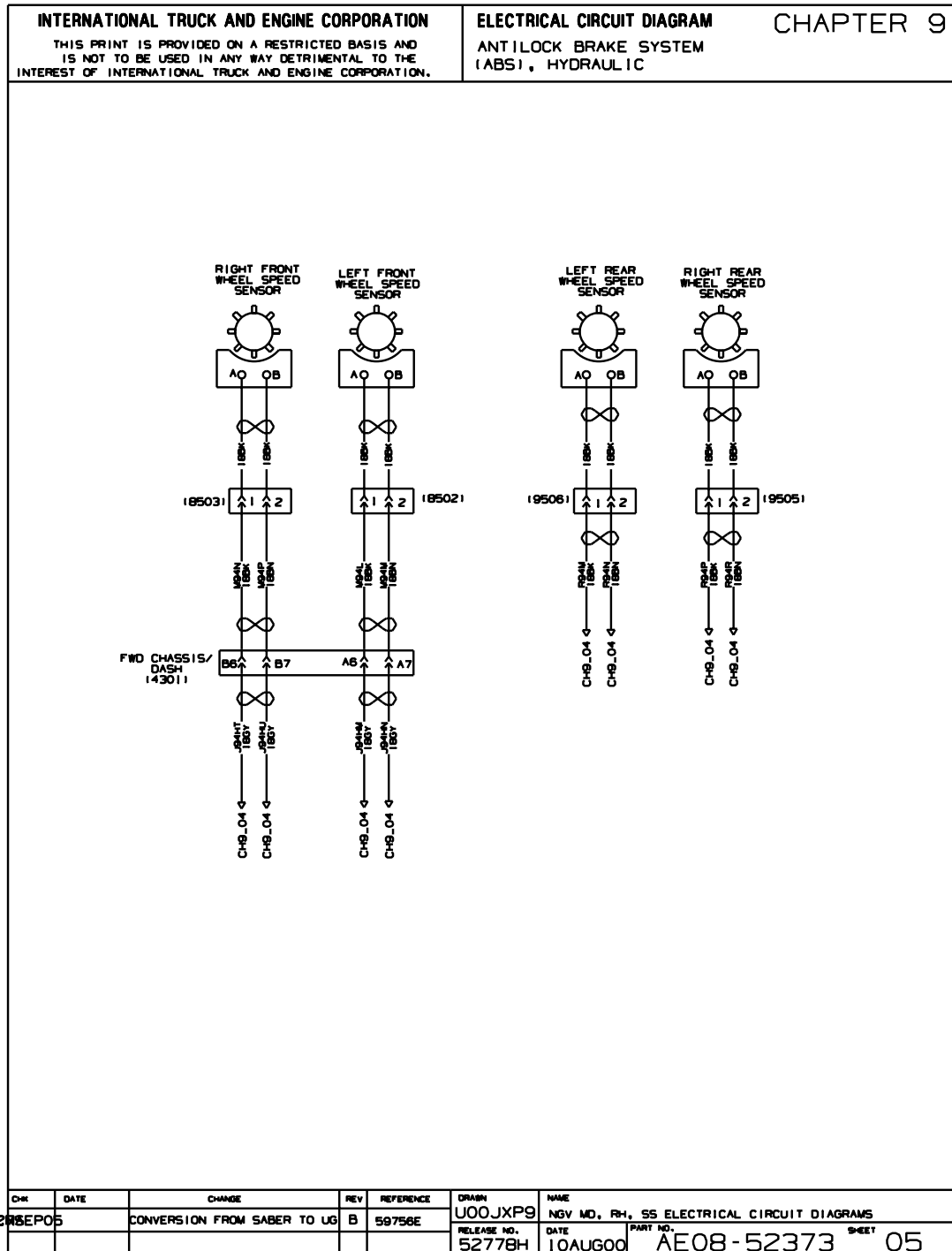
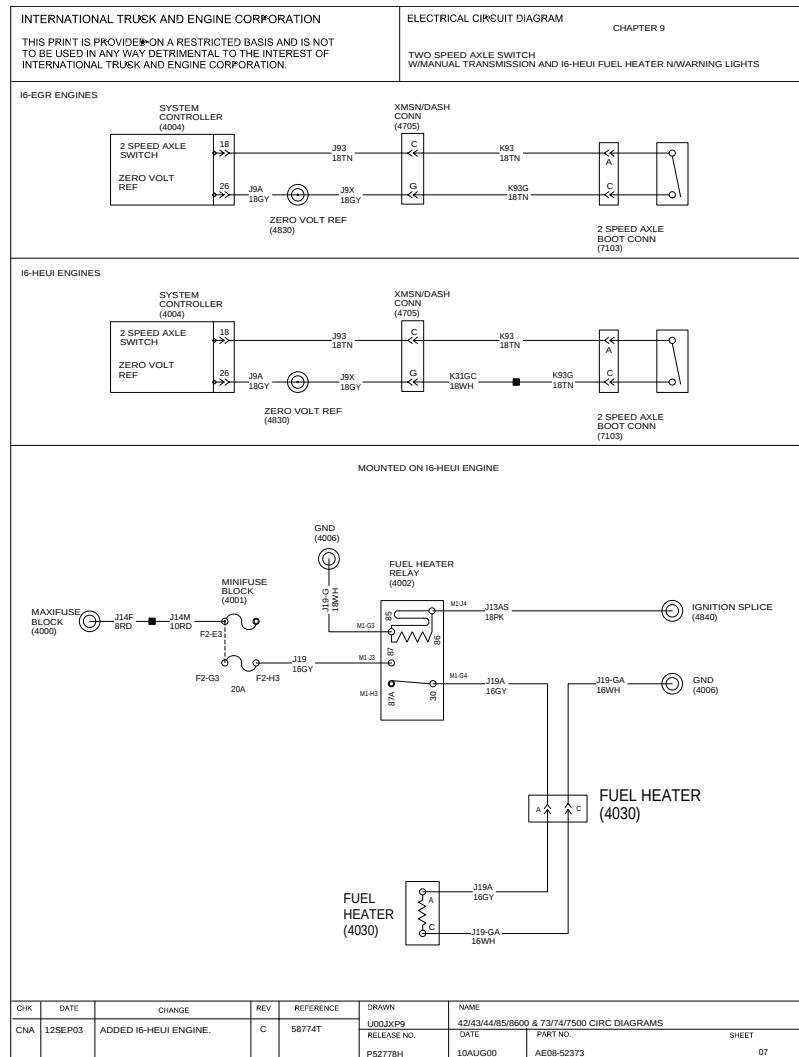


Figure 119 Antilock Brake System (ABS), Hydraulic (Cont.)

9.7. TWO SPEED AXLE SWITCH WITH MANUAL TRANSMISSION AND I6 HEUI FUEL HEATER N/WARN LIGHTS, P. 7**Figure 121 Two Speed Axle Switch With Manual Transmission and I6 HEUI Fuel Heater N/Warn Lights**

9.8. BRAKE SYSTEM, HYDRAULIC, P. 8

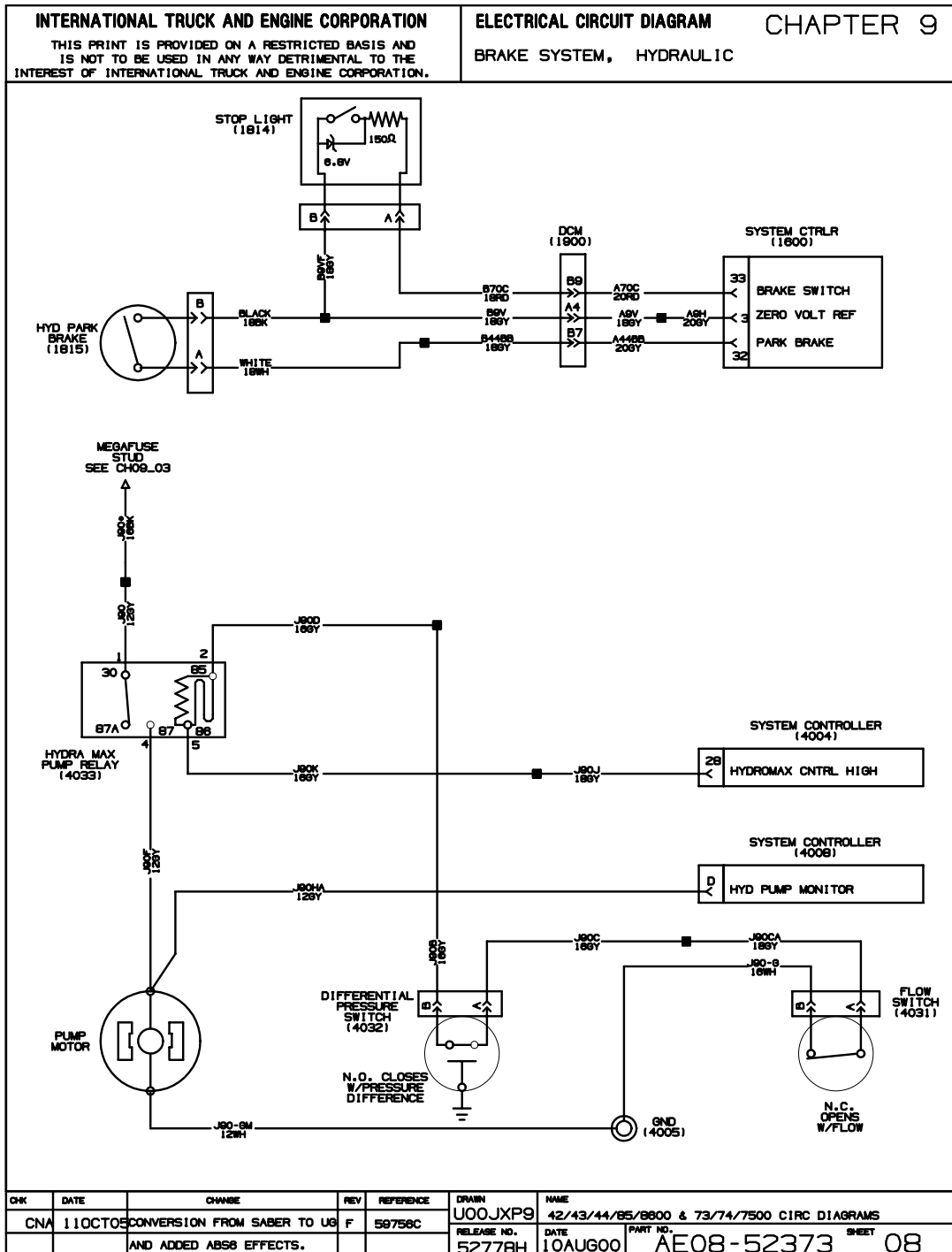


Figure 122 Brake System, Hydraulic

9.9. FUEL TRANSFER PUMP, P. 9

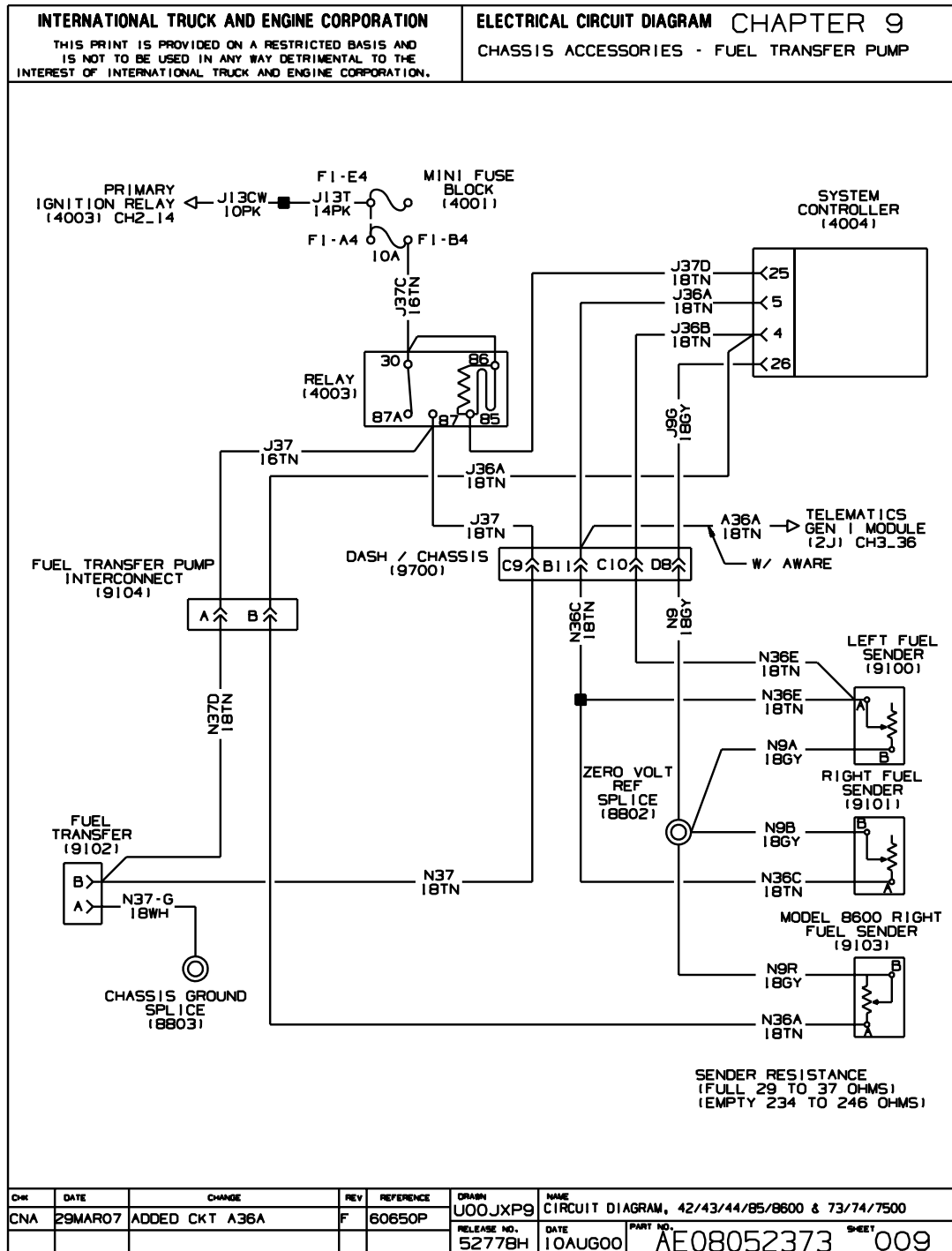


Figure 123 Fuel Transfer Pump

9.10. BACK OF CAB BODY BUILDER AND TRAILER STOP, TAIL, MARKER, P. 10

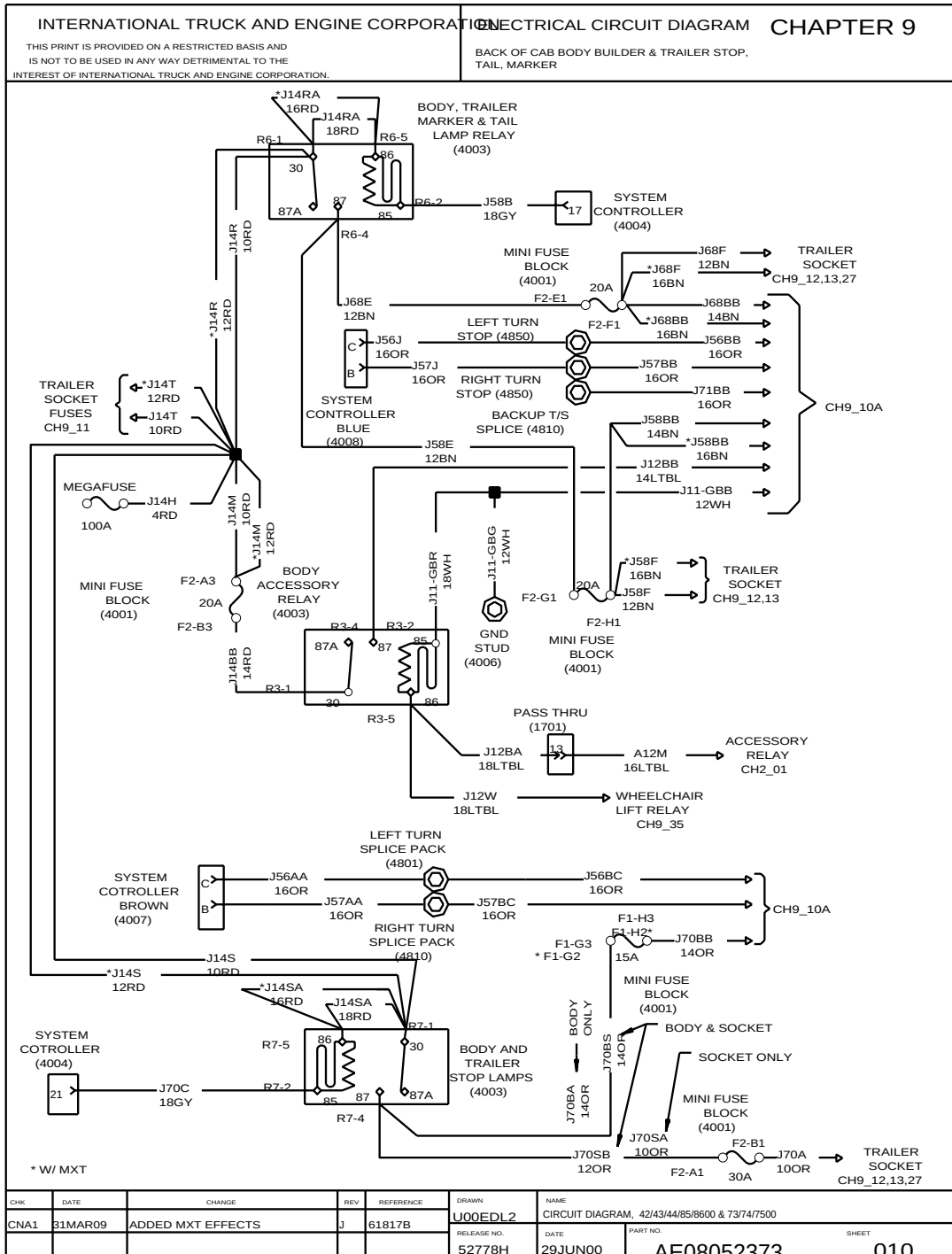


Figure 124 Back of Cab Body Builder and Trailer Stop, Tail, Marker

9.12. BODY BUILDER AND TRAILER TURNS, CENTER PIN ABS, CENTER PIN AUX, P. 11

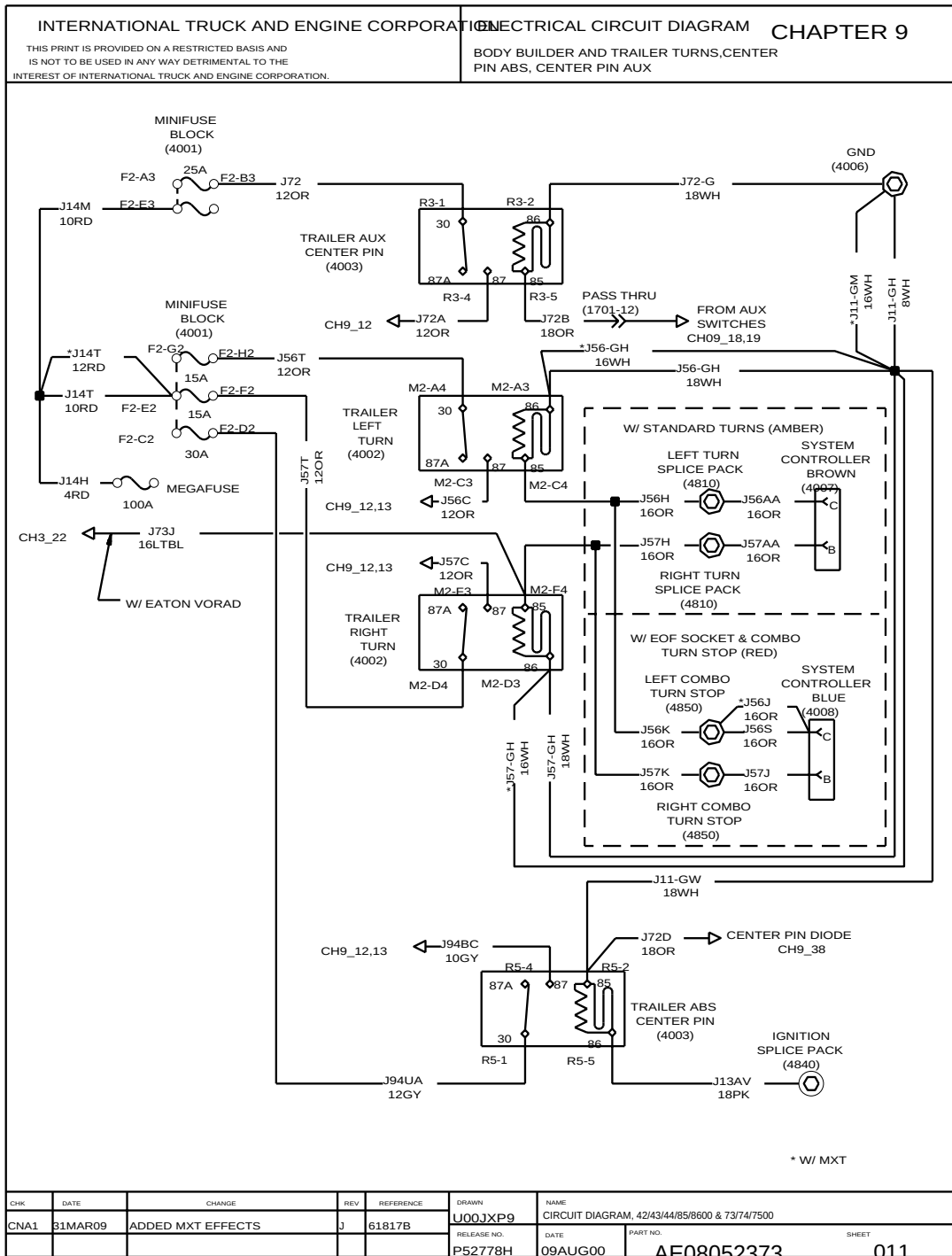


Figure 126 Body Builder and Trailer Turns, Center Pin ABS, Center Pin Aux

9.13. BODY BUILDER AND 7-WAY TRAILER SOCKET BACK OF CAB SOCKET, P. 12

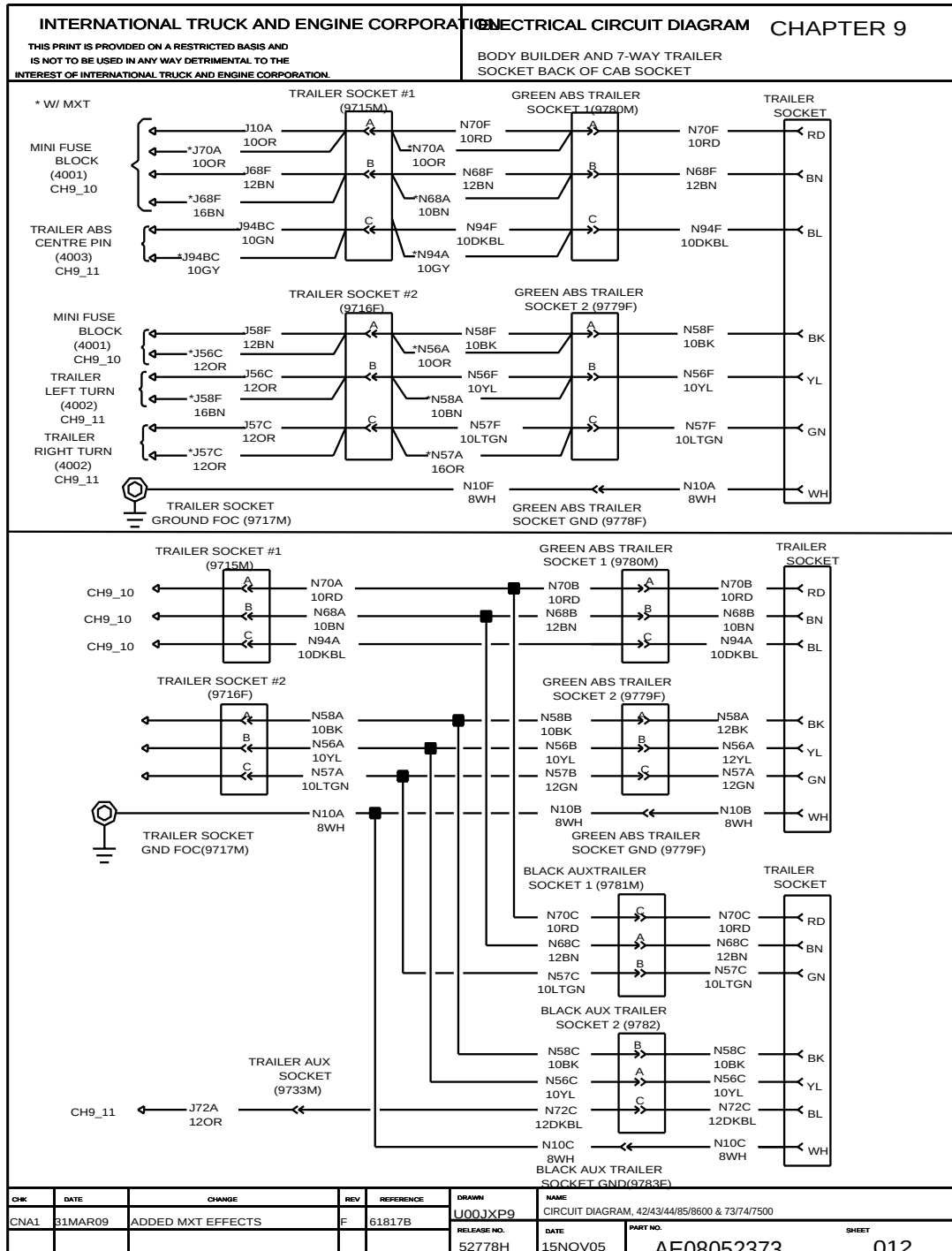


Figure 127 Body Builder and Trailer Socket Back of Cab Sockets

9.14. BODY BUILDER AND TRAILER SOCKET END OF FRAME (EOF) SOCKET AND BODY BUILDER, P. 13

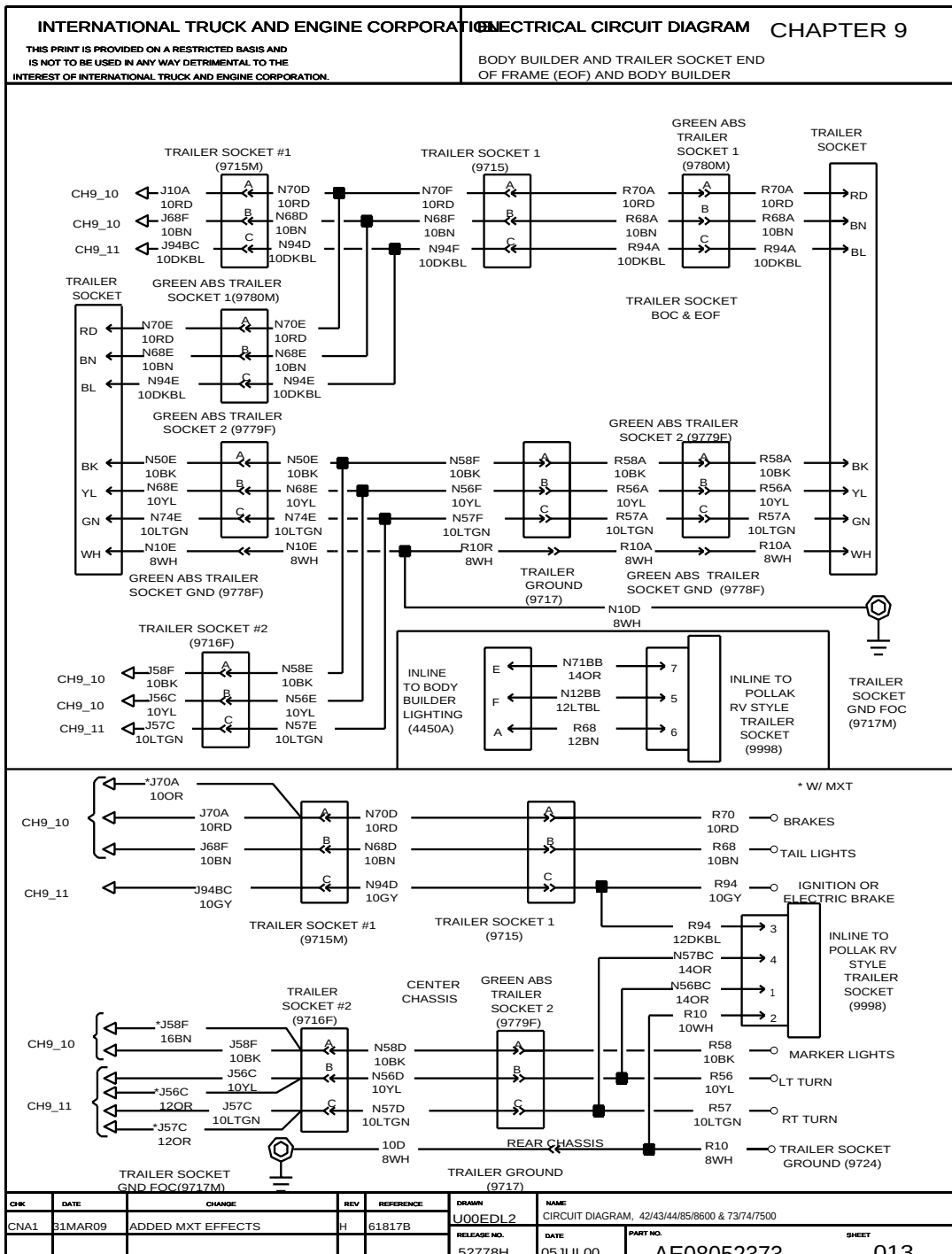


Figure 128 Body Builder and Trailer Socket End of Frame (EOF) Socket and Body Builder

9.15. AIR SOLENOID 4-WAY PACK, P. 14

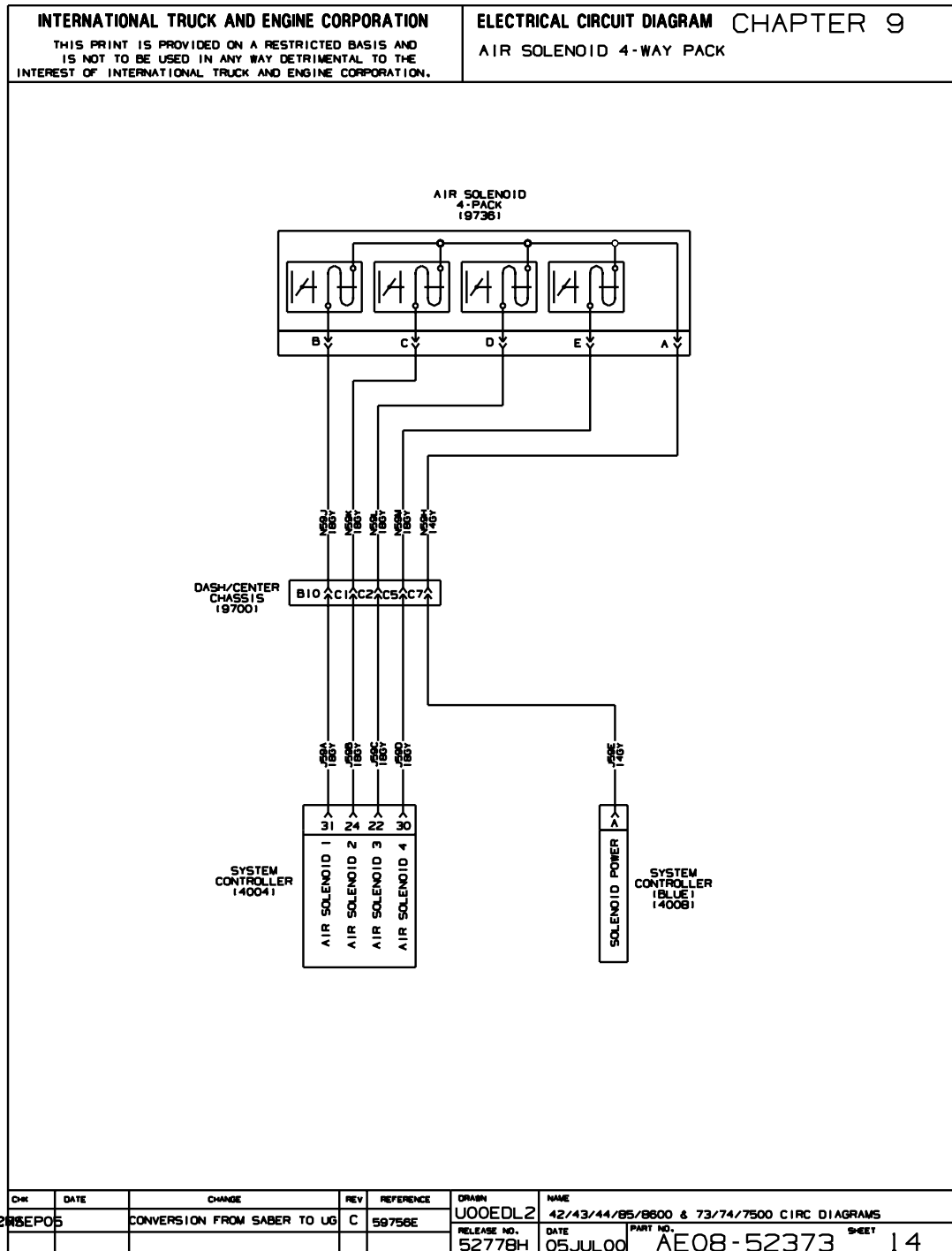


Figure 129 Air Solenoid 4-Way Pack

9.16. REMOTE POWER UNITS, SOLENOID PACKS, REMOTE ENGINE SPEED CONTROLLER, P. 15

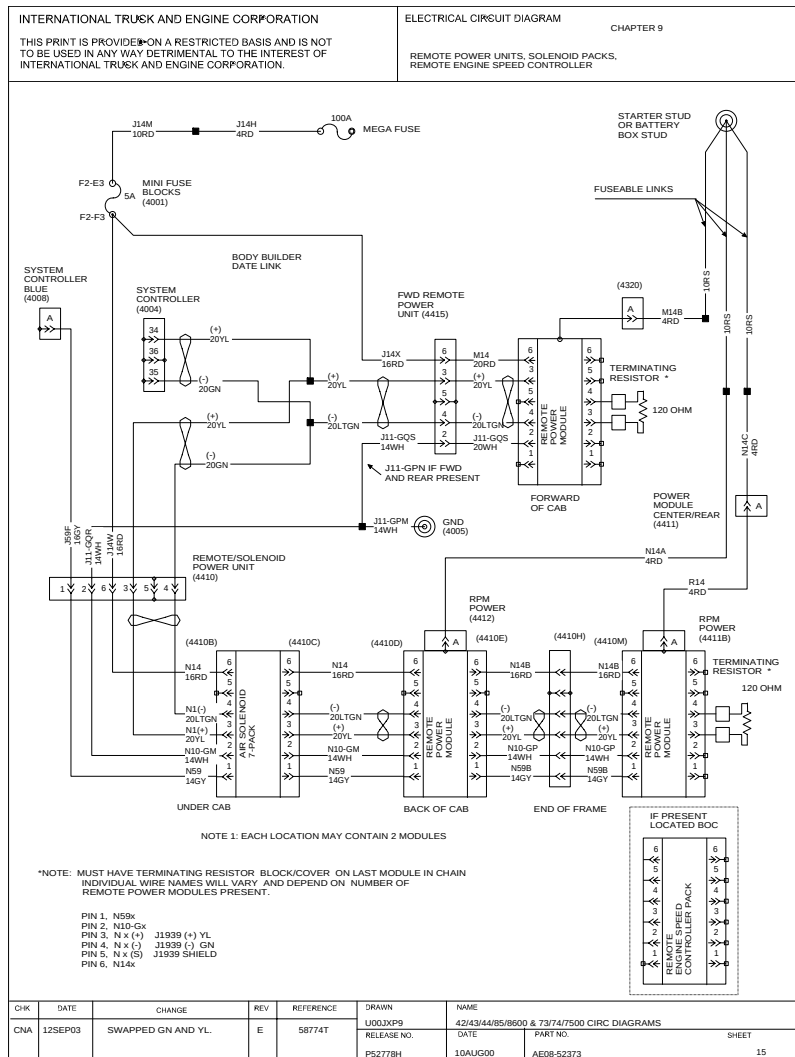


Figure 130 Remote Power Units, Solenoid Packs, Remote Engine Speed Controller

9.17. CHASSIS ACCESSORIES, P. 16

INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				ELECTRICAL CIRCUIT DIAGRAM		CHAPTER 9 CHASSIS ACCESSORIES	
PAGE INTENTIONALLY LEFT BLANK							
CHG	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
21SEP05		CONVERSION FROM SABER TO UG	B	59756E	U00EDL2	NGV MD. RM. SS ELECTRICAL CIRCUIT DIAGRAM	
					RELEASE NO. 52778H	DATE 10JUL00	PART NO. AE08-52373
						SHEET	16

Figure 131 Chassis Accessories

9.18. AIR SUSPENSION, P. 17

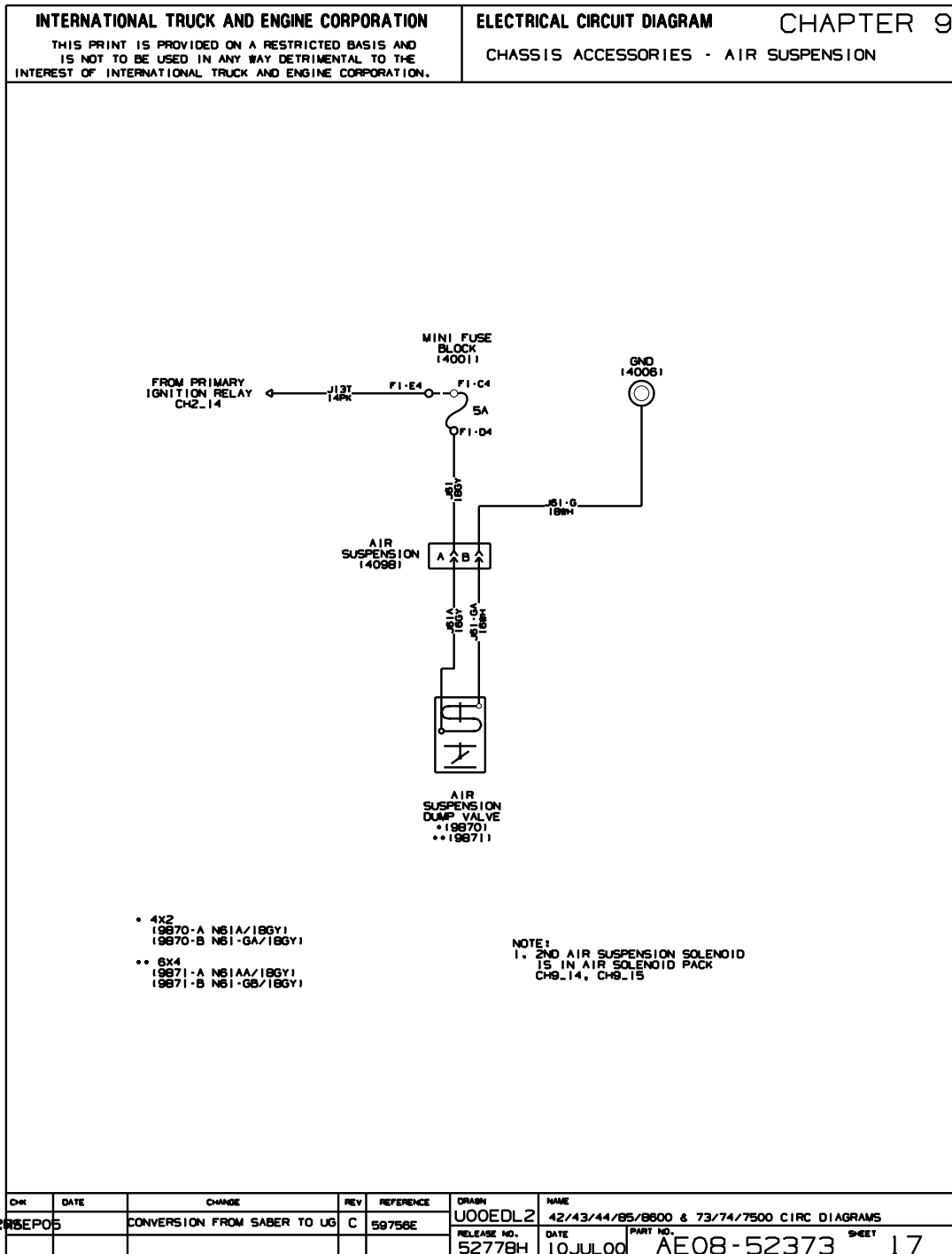


Figure 132 Air Suspension

9.19. AUX. TRAILER, ACC CONTROLLED, P. 18

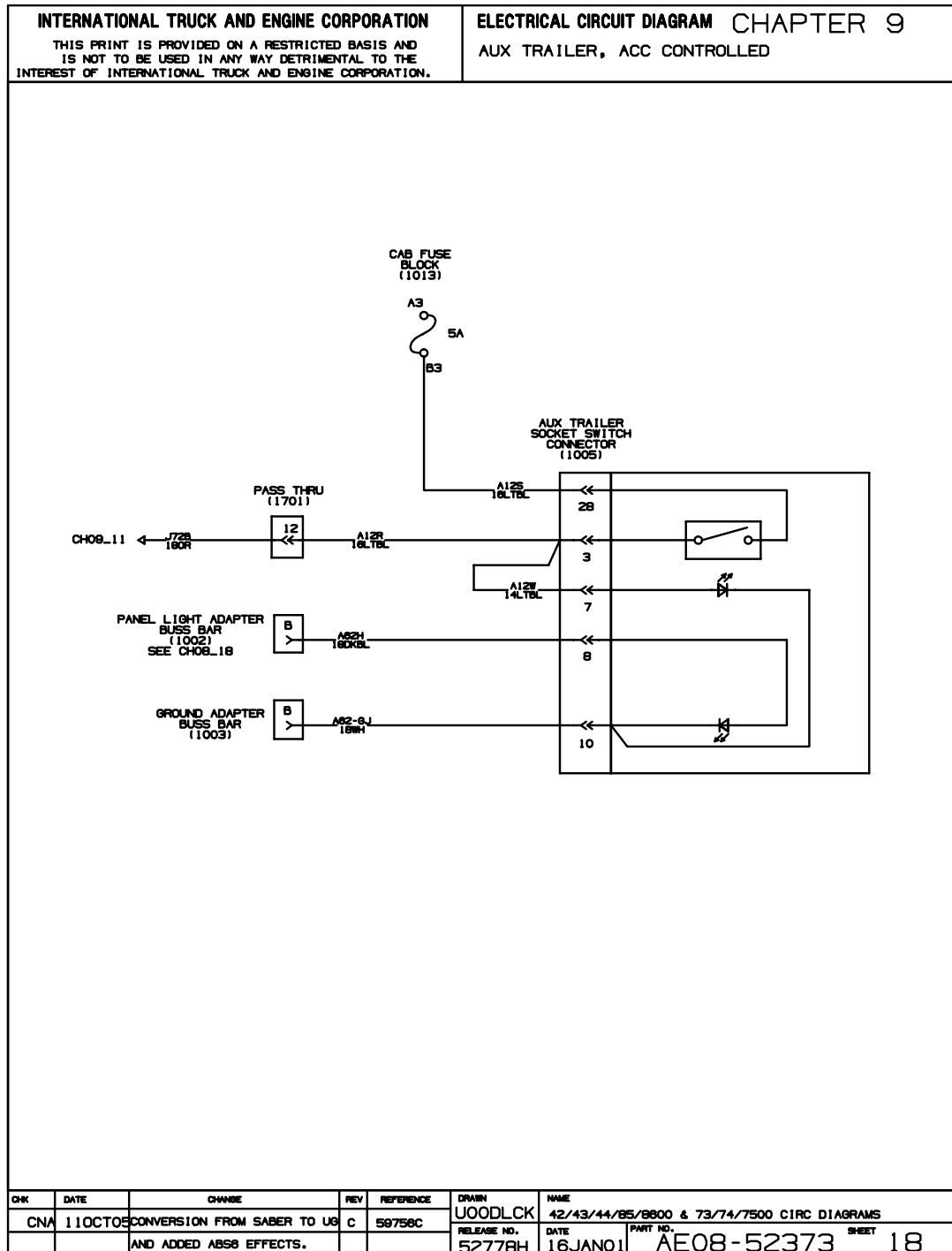


Figure 133 Aux. Trailer, Acc Controlled

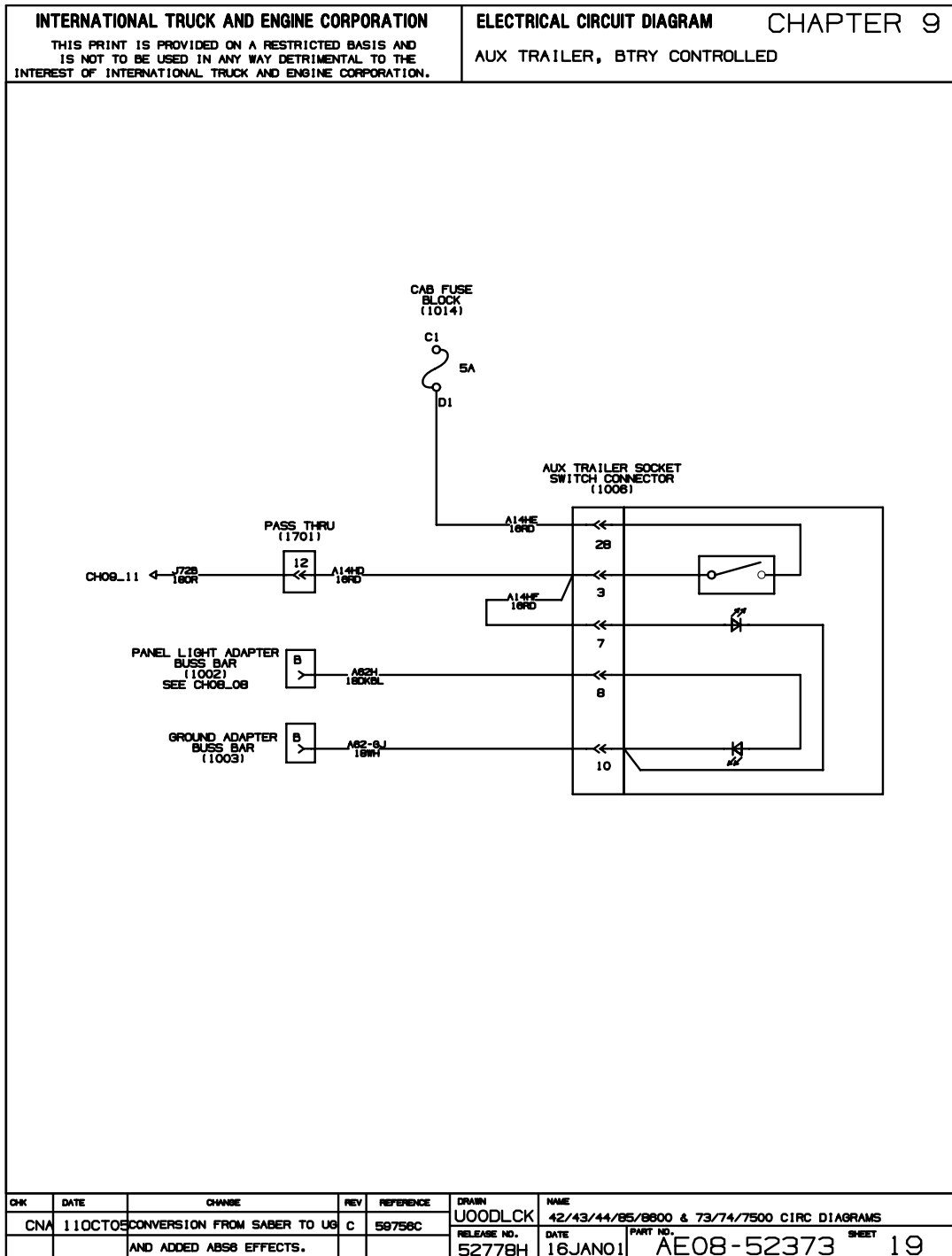
9.20. AUX. TRAILER, BTRY CONTROLLED, P. 19

Figure 134 Aux. Trailer, Btry Controlled

9.21. LIFT AXLES (NON-STEERABLE), P. 20

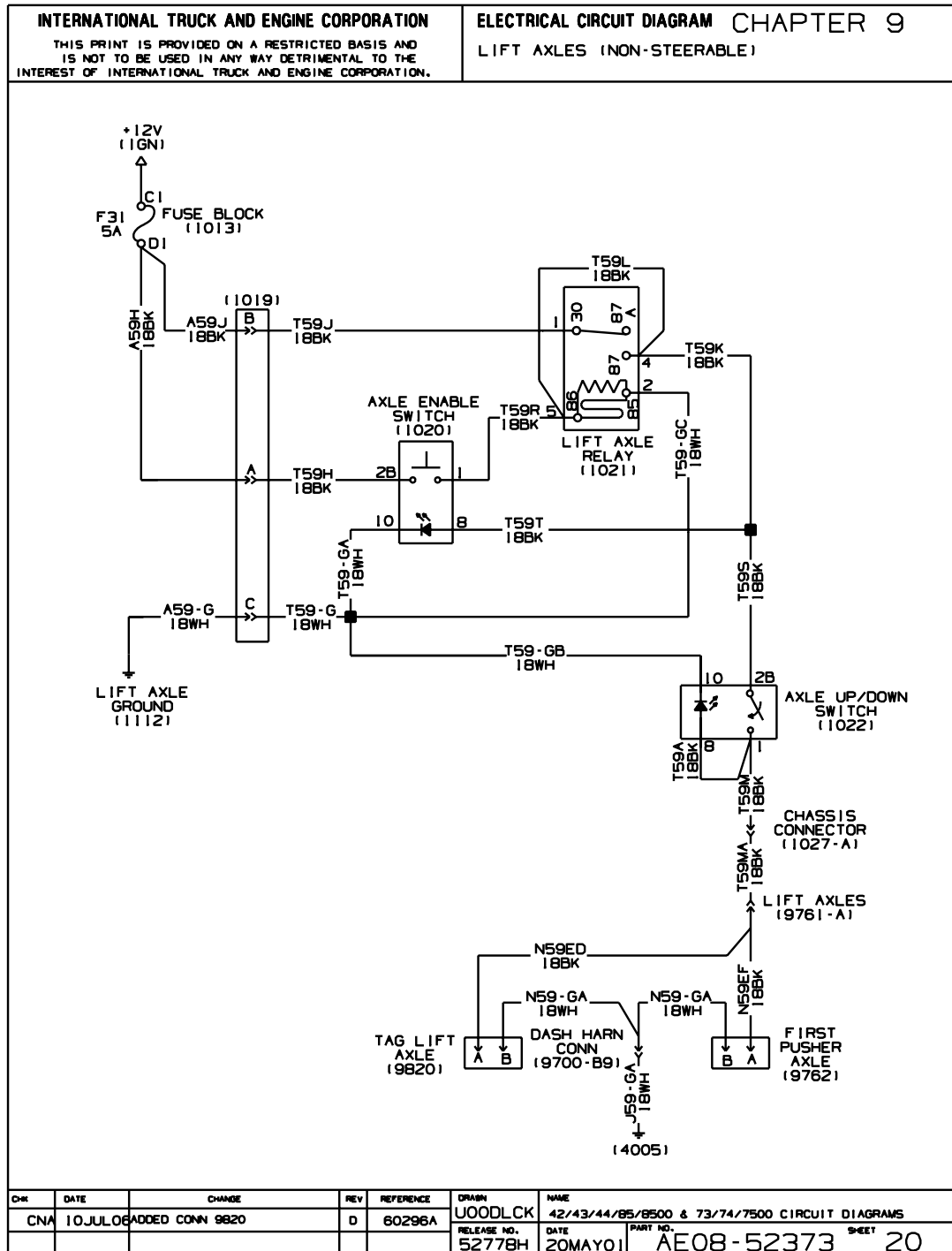


Figure 135 Lift Axles (Non-Steerable)

9.22. LIFT AXLES (STEERABLE), P. 21

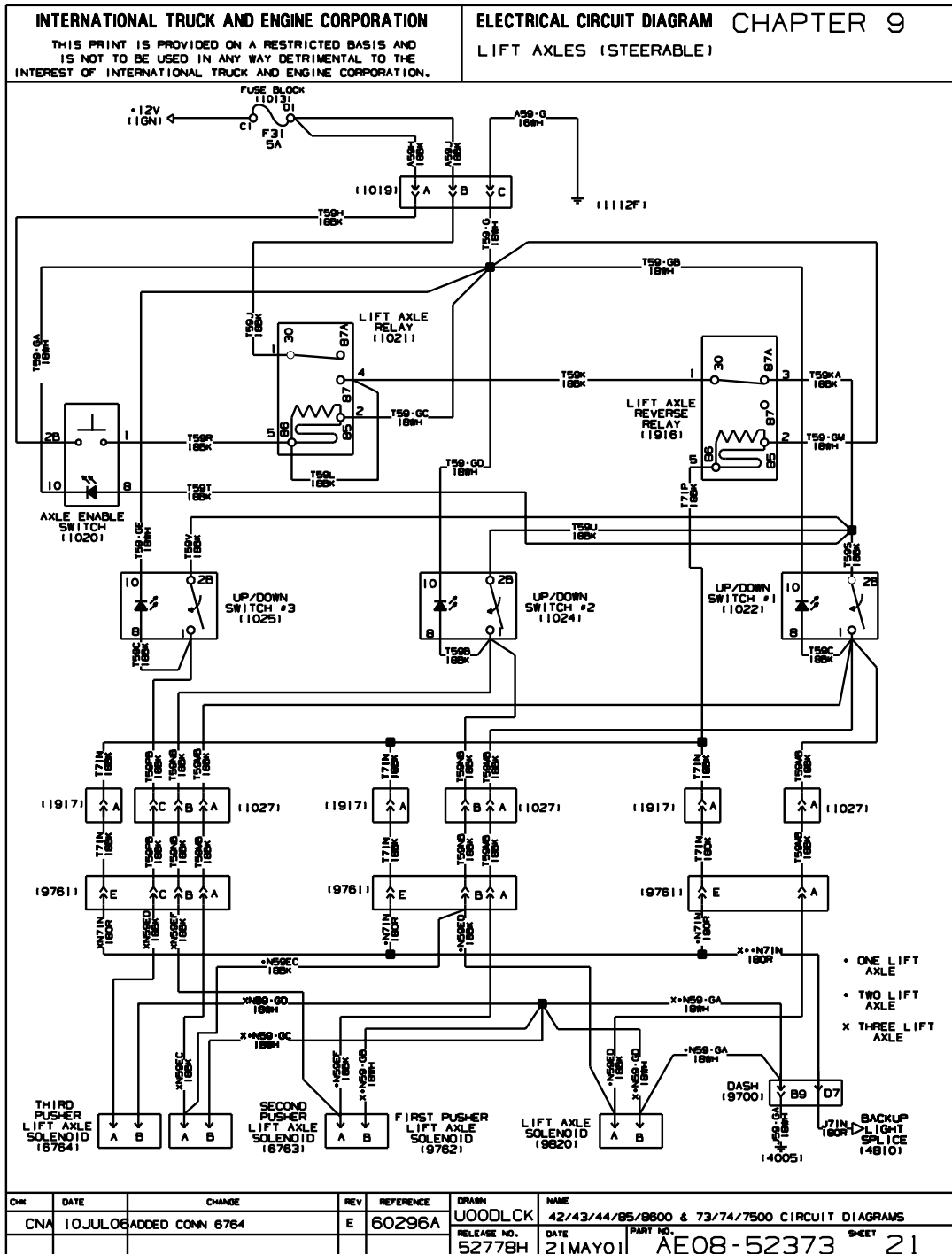


Figure 136 Lift Axles (Non-Steerable)

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 9

AIR ACTUATED PARK BRAKE

AIR ACTUATED PARK BRAKE
W/HYD CHASSIS

AUTO APPLY
AIR ACTUATED PARK BRAKE
W/HYD CHASSIS

FUSE BLOCK
(4001)

F1-D1

SA

SYSTEM CONTROLLER
(4004)

A

J44M
189Y

B9

SAAR
(9777)

C

N44M
189Y

B

N44-GB
189H

A

N44N
189Y

SPLICE
PACK
(8902)

D

DASH/
CHASSIS
(9714)

B8

FUSE BLOCK
(4001)

F2-B2

SA

TO LCT SHIFTER
SEE CH10-01

189Y

PASS THRU
(1701)

9

DUMP
SOLENOID
(4071)

B

J44L
189Y

A

J44K
189Y

PRESSURE
SWITCH
(4070)

D

J44J
189Y

C

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	RELEASE NO.	DATE	PART NO.	SHEET
CNA	11OCT05	CONVERSION FROM SABER TO UG AND ADDED ABS8 EFFECTS.	B	59756C	U00ARW2	42/43/44/85/8800 & 73/74/7500 CIRC DIAGRAMS	52778H	19SEP01	AE08-52373	22

Figure 137 Air Actuated Park Brake

9.24. ANTILOCK BRAKE SYSTEM, WABCO AIR, P. 23

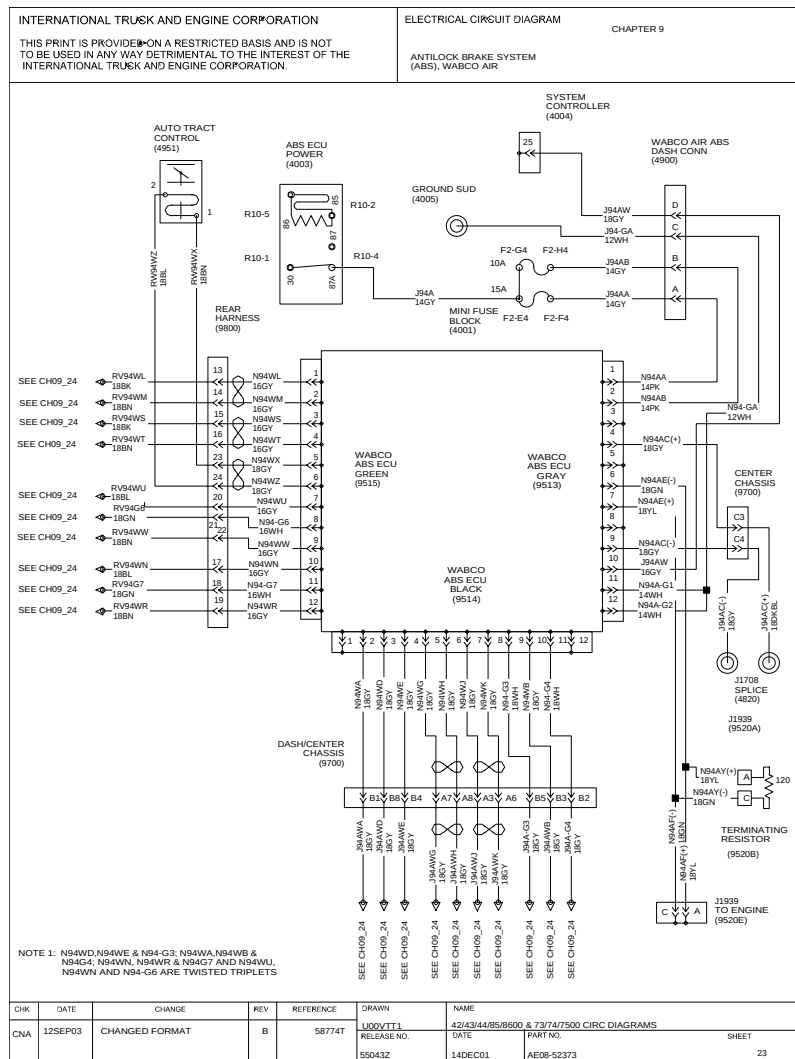


Figure 138 Antilock Brake System, WABCO Air

9.25. ANTILOCK BRAKE SYSTEM, WABCO AIR, P. 24

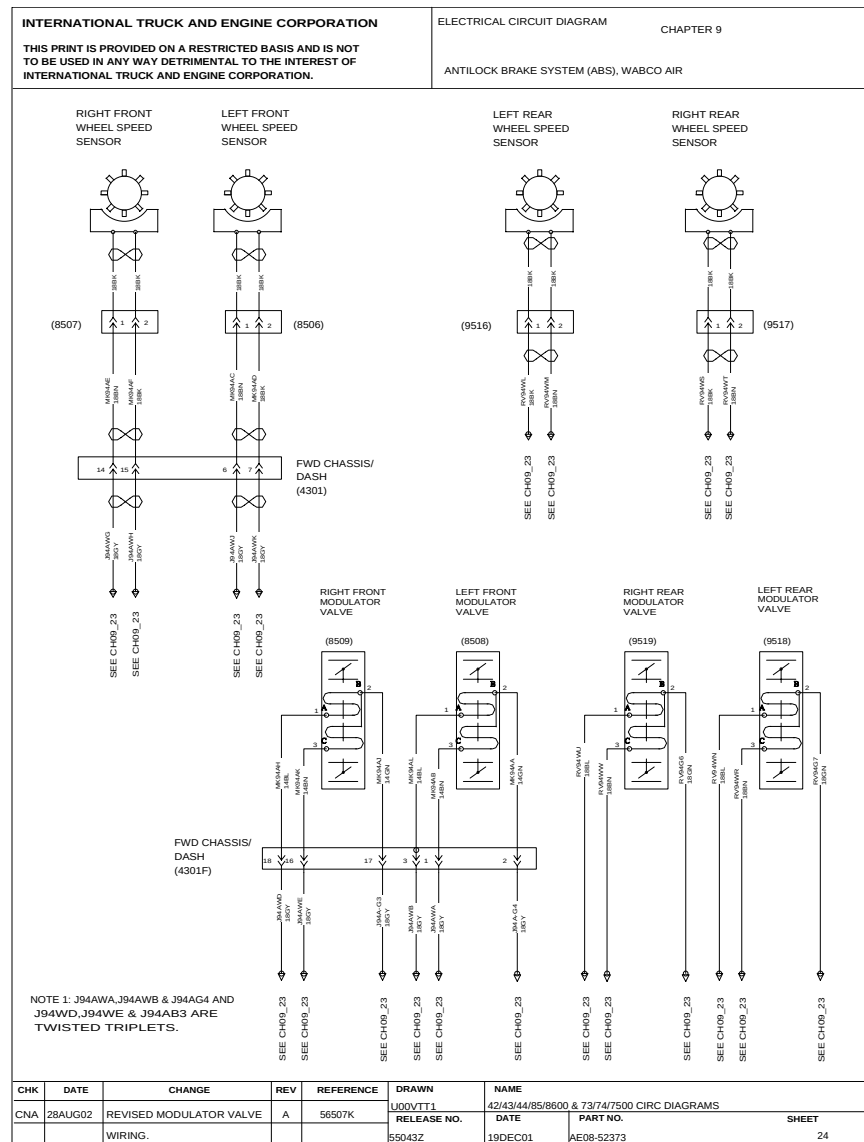


Figure 139 Antilock Brake System, WABCO Air

9.26. LIFT AXLES, WITH NON—STEERABLE FOR SS MODELS, P. 25

INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 9 LIFT AXLES, W/NON-STEERABLE FOR SS MODELS			
INTENTIONALLY LEFT BLANK							
CHG	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA	10JUL08	GEOMETRY REMOVED	D	80296A	WOODLCK	42/43/44/65/8600 & 73/74/7500 CIRCUIT DIAGRAMS	
					RELEASE NO.	DATE	PART NO. SHEET
					52778H	15DEC01	AE08-52373 25

Figure 140 Lift Axles, With Non—Steerable for SS Models

9.28. ELECTRONIC TRAILER BRAKE ACCOMMODATION, P. 27

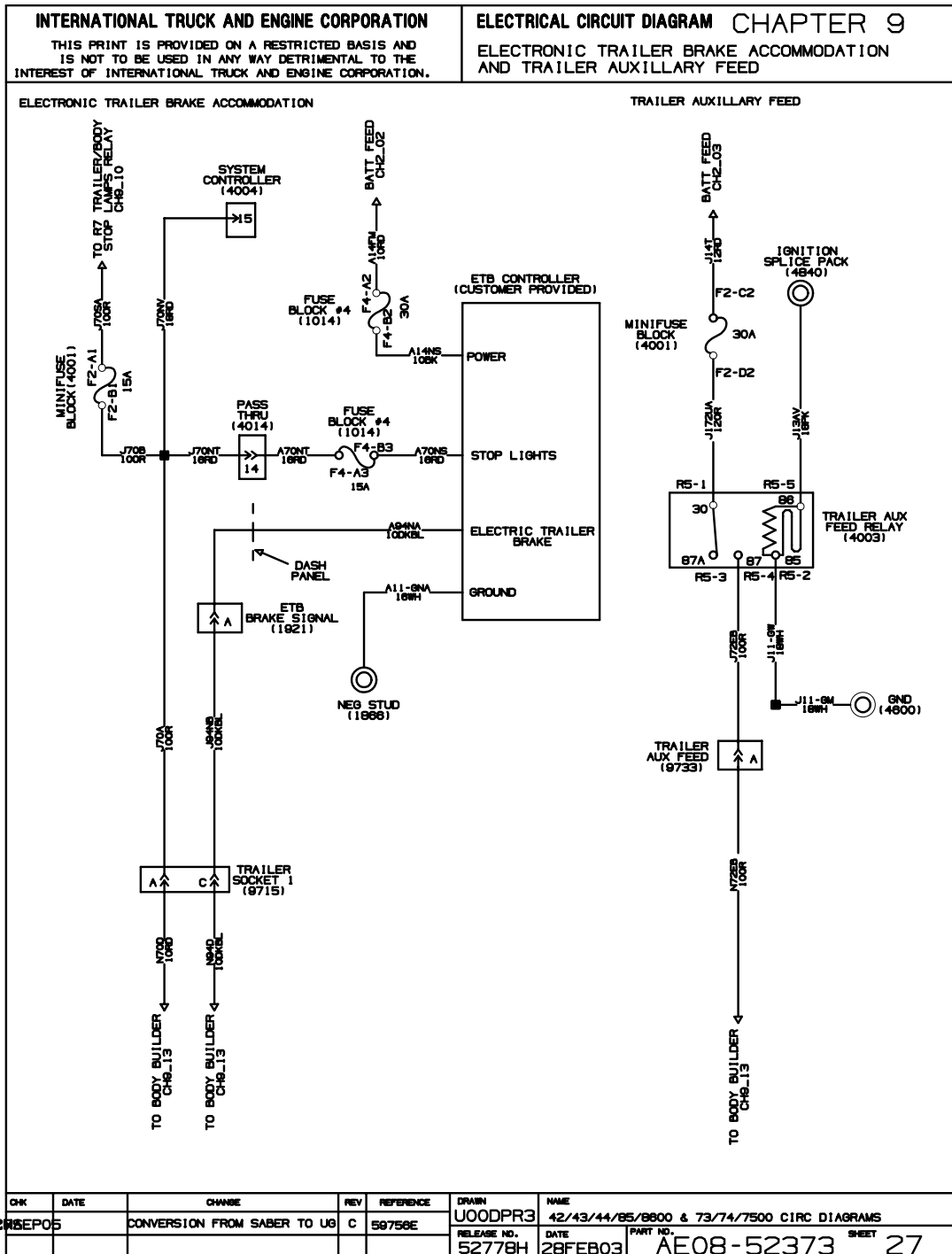


Figure 142 Electronic Trailer Brake Accommodation

9.30. AUXILIARY 40 AMP CIRCUIT, P. 29

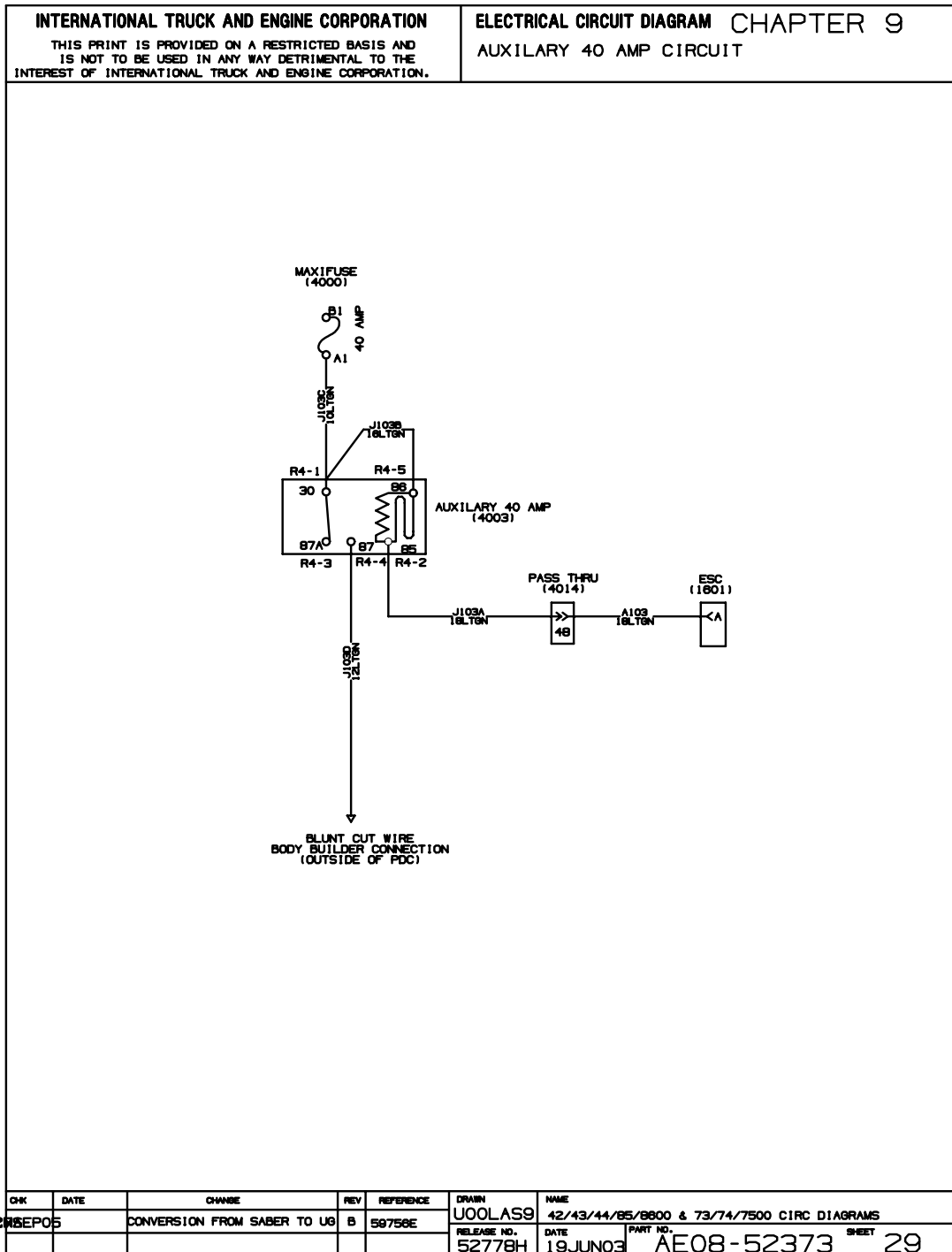


Figure 144 Auxiliary 40 Amp Circuit

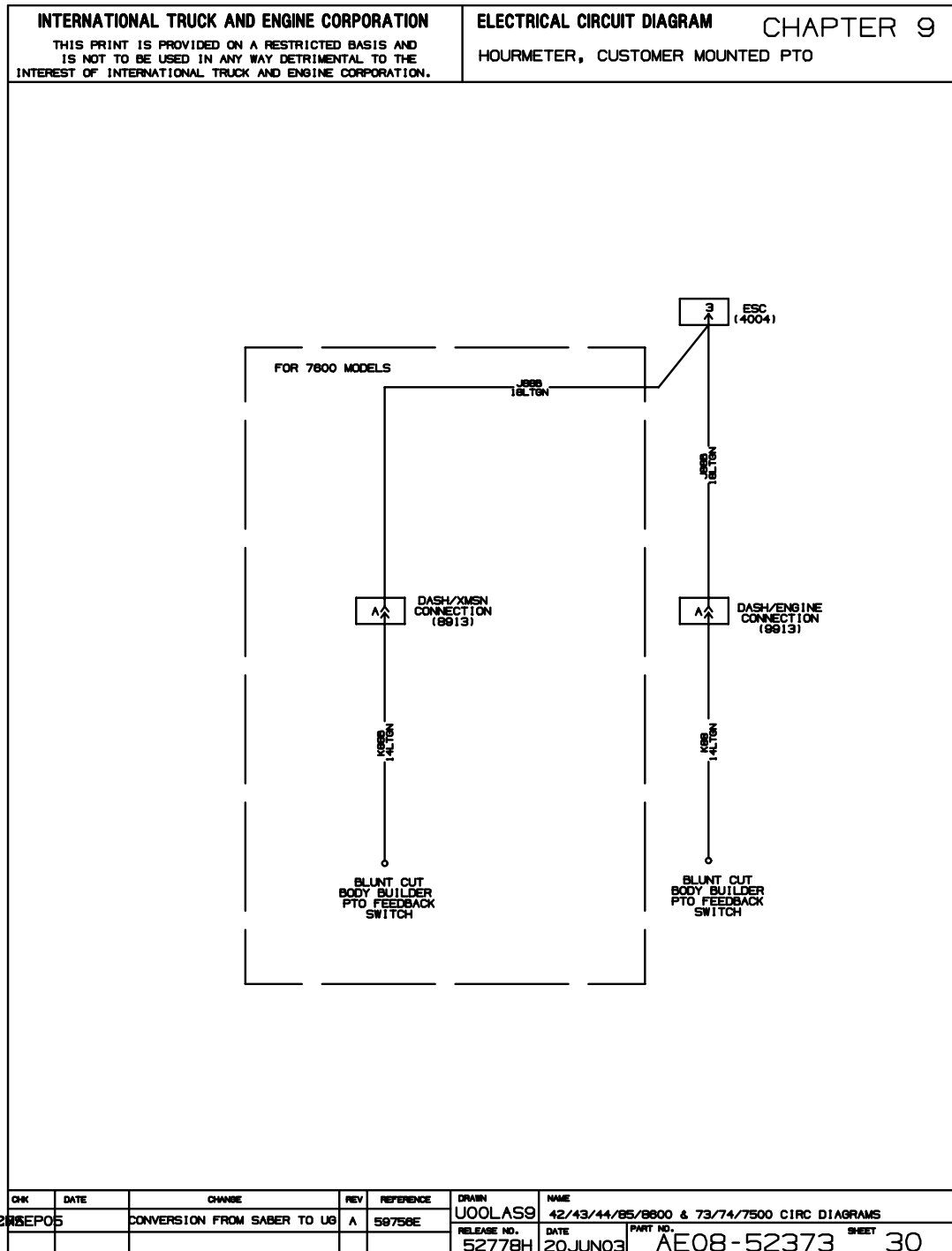
9.31. HOURMETER, CUSTOMER MOUNTED PTO, P. 30

Figure 145 Hourmeter, Customer Mounted PTO

9.33. LIFT AXLE WITH 14RAR, P. 32

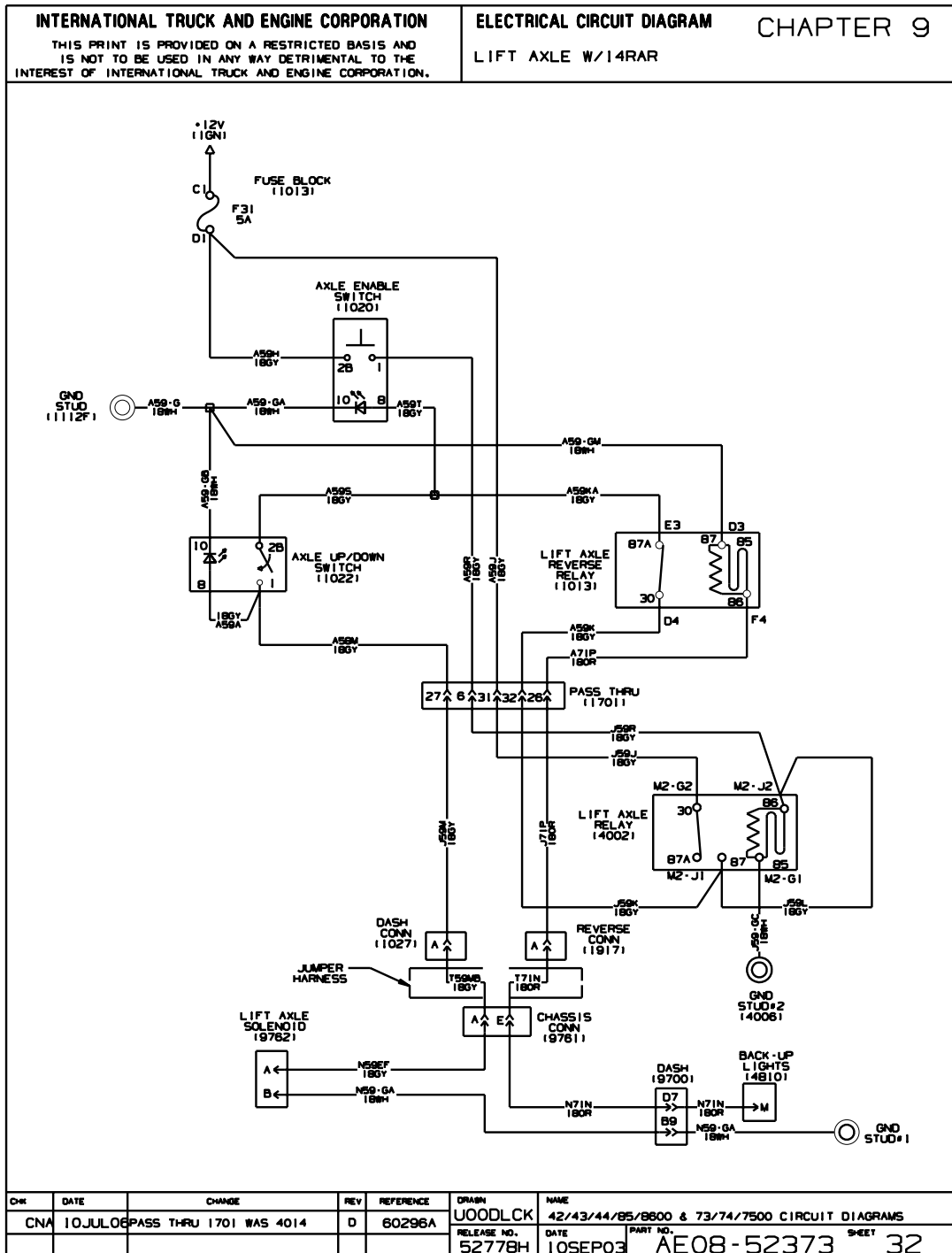


Figure 147 Lift Axle with 14RAR

9.35. LIFT AXLE MULTIPLEX, P. 34

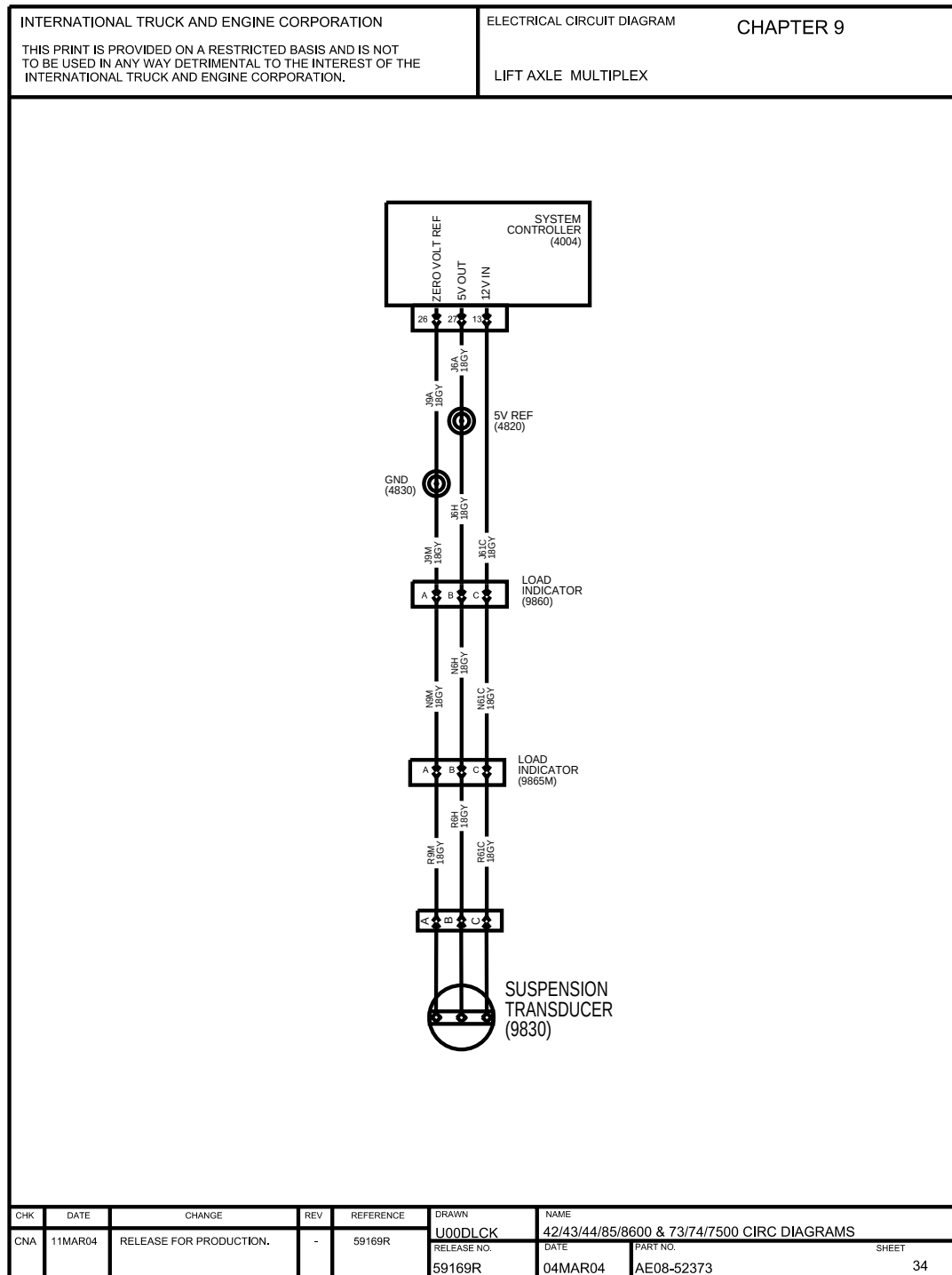


Figure 149 Lift Axle Multiplex

**9.36. BODY BUILDER WHEELCHAIR LIFT INTERLOCK ELECTRICAL CONNECTION,
P. 35**

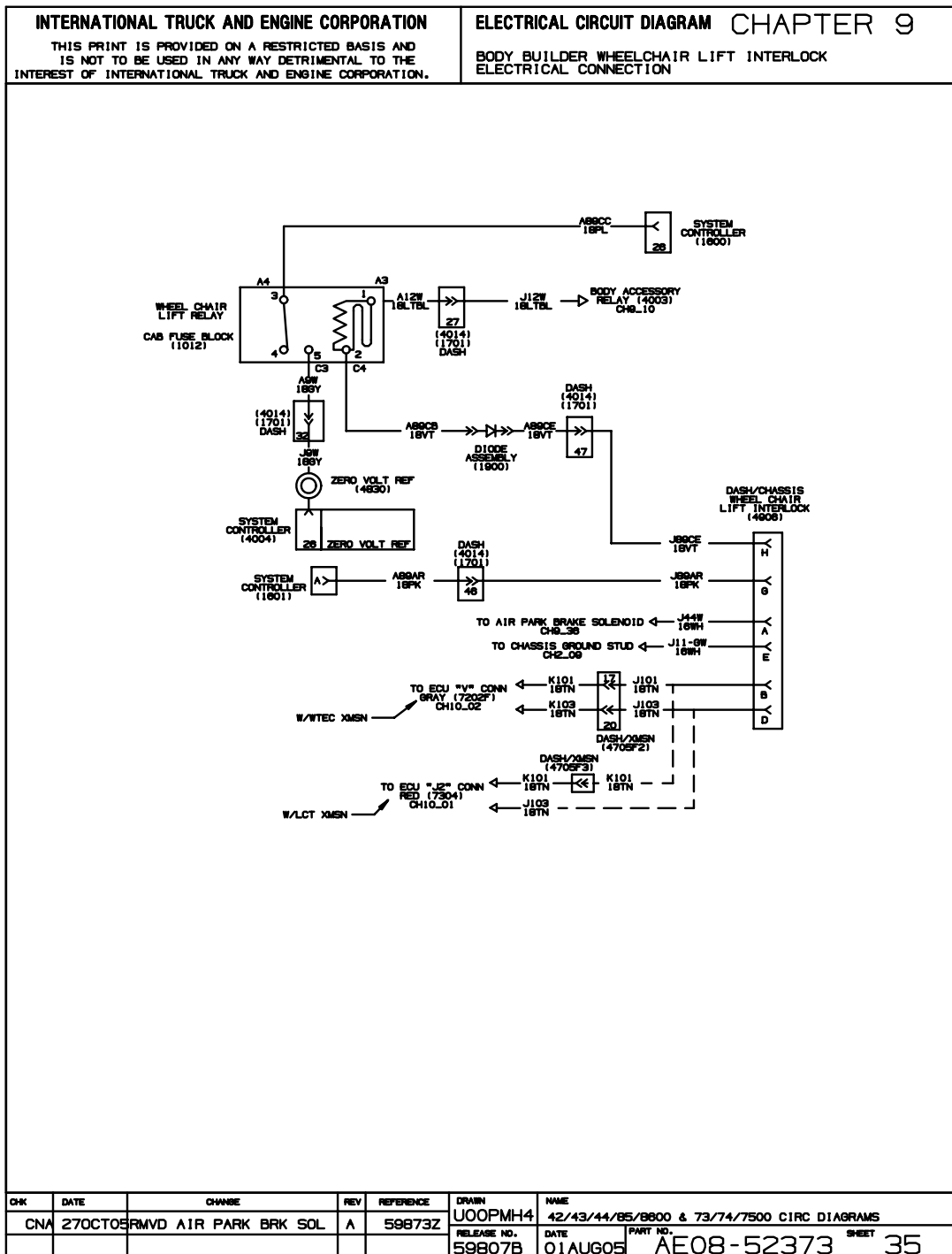


Figure 150 Body Builder Wheelchair Lift Interlock Electrical Connection

9.37. AIR PARK BRAKE INTERLOCK, P. 36

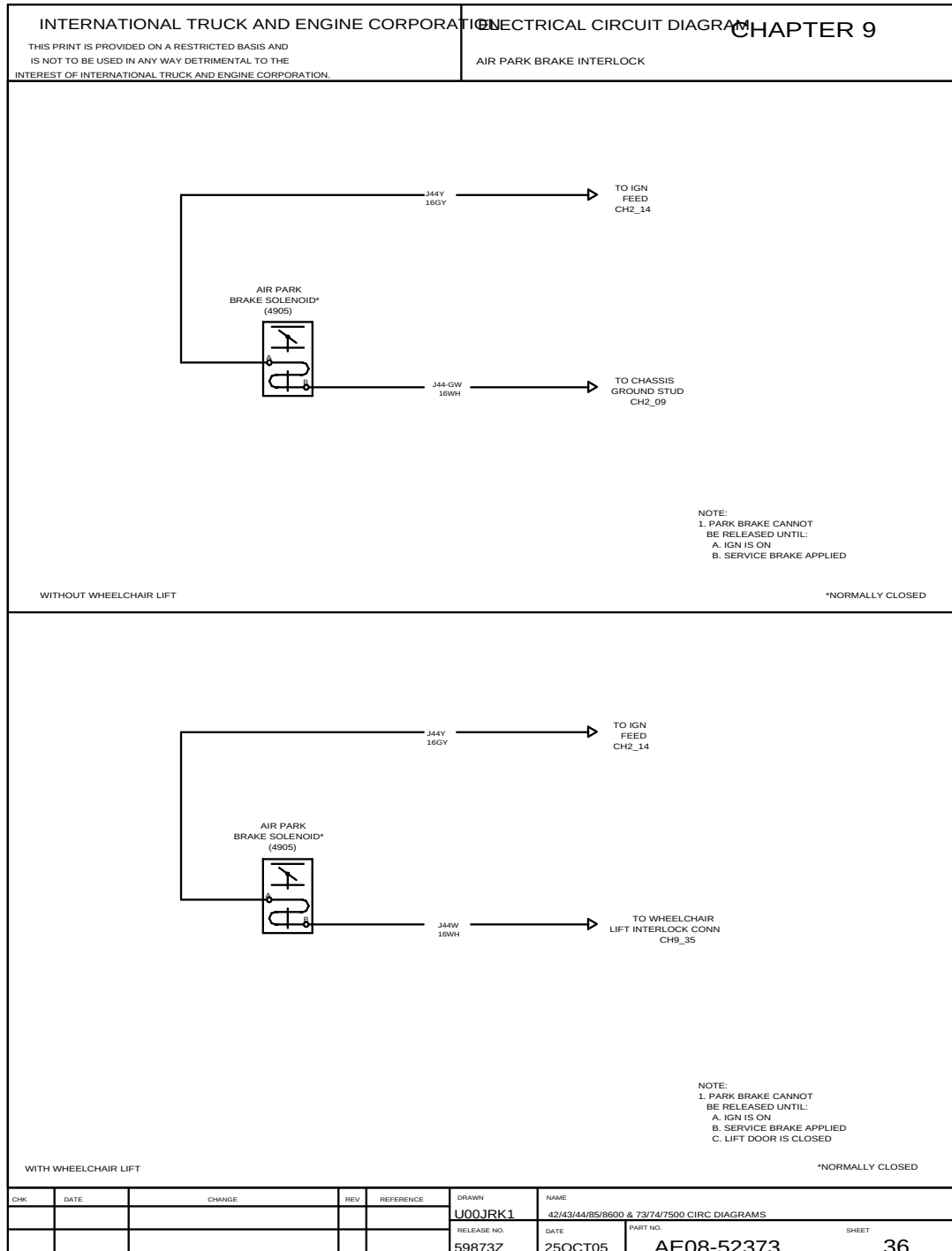
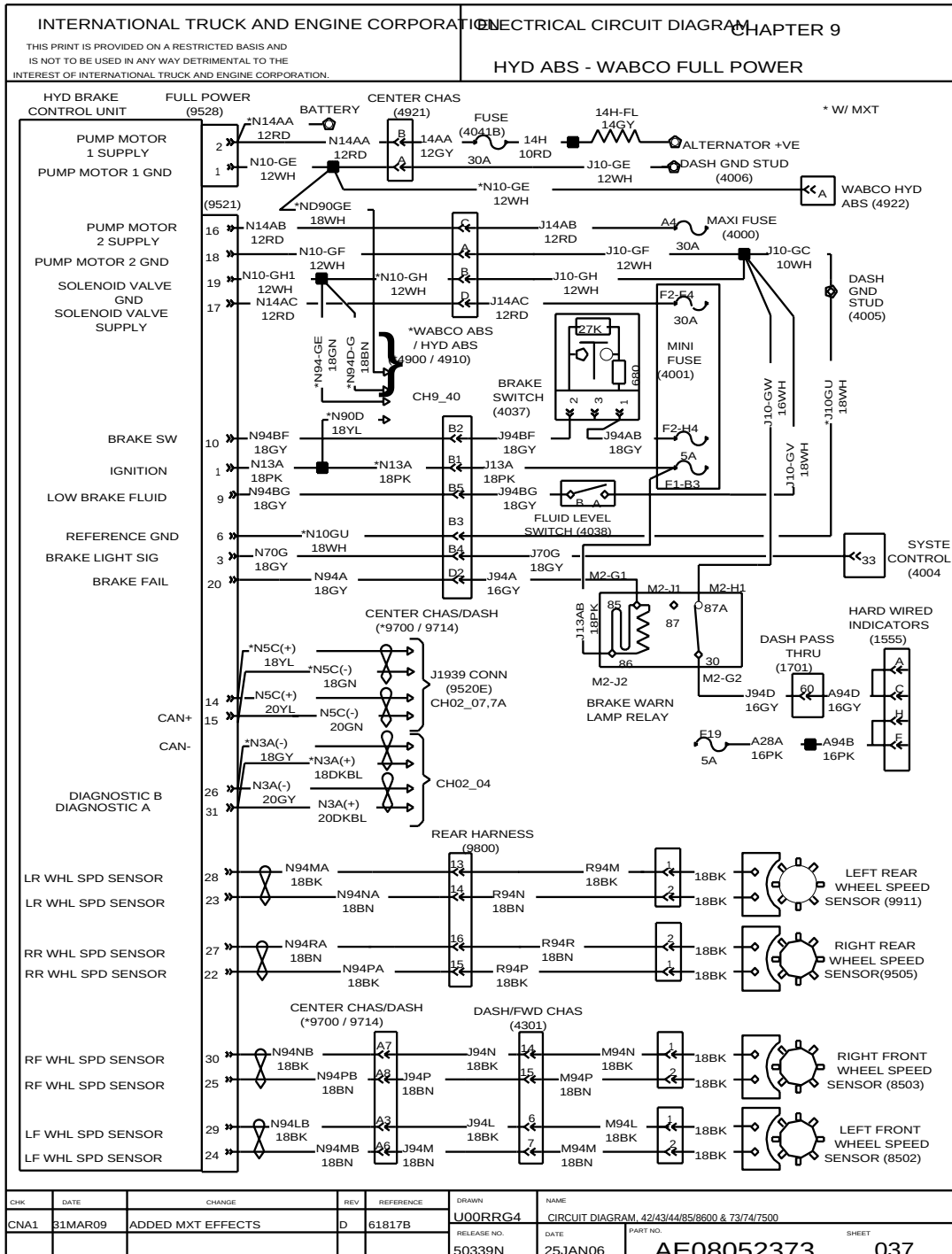


Figure 151 Air Park Brake Interlock

9.38. HYDRAULIC ABS — WABCO FULL POWER, P. 37

Figure 152 Hydraulic ABS — Wabco Full Power

9.39. CENTER PIN CIRCUIT, P. 38

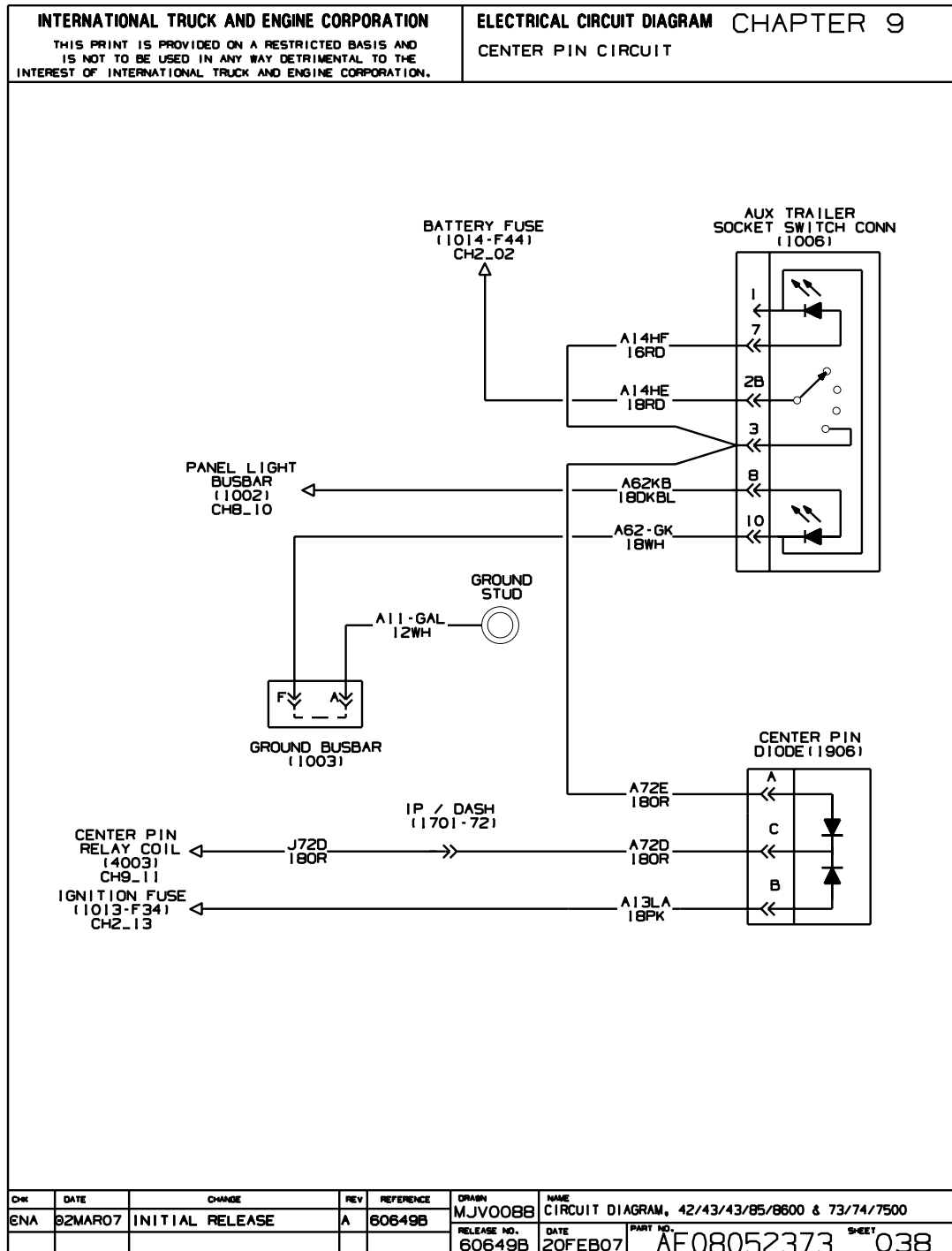


Figure 153 Center Pin Circuit

9.40. FIFTH WHEEL CIRCUIT, P. 39

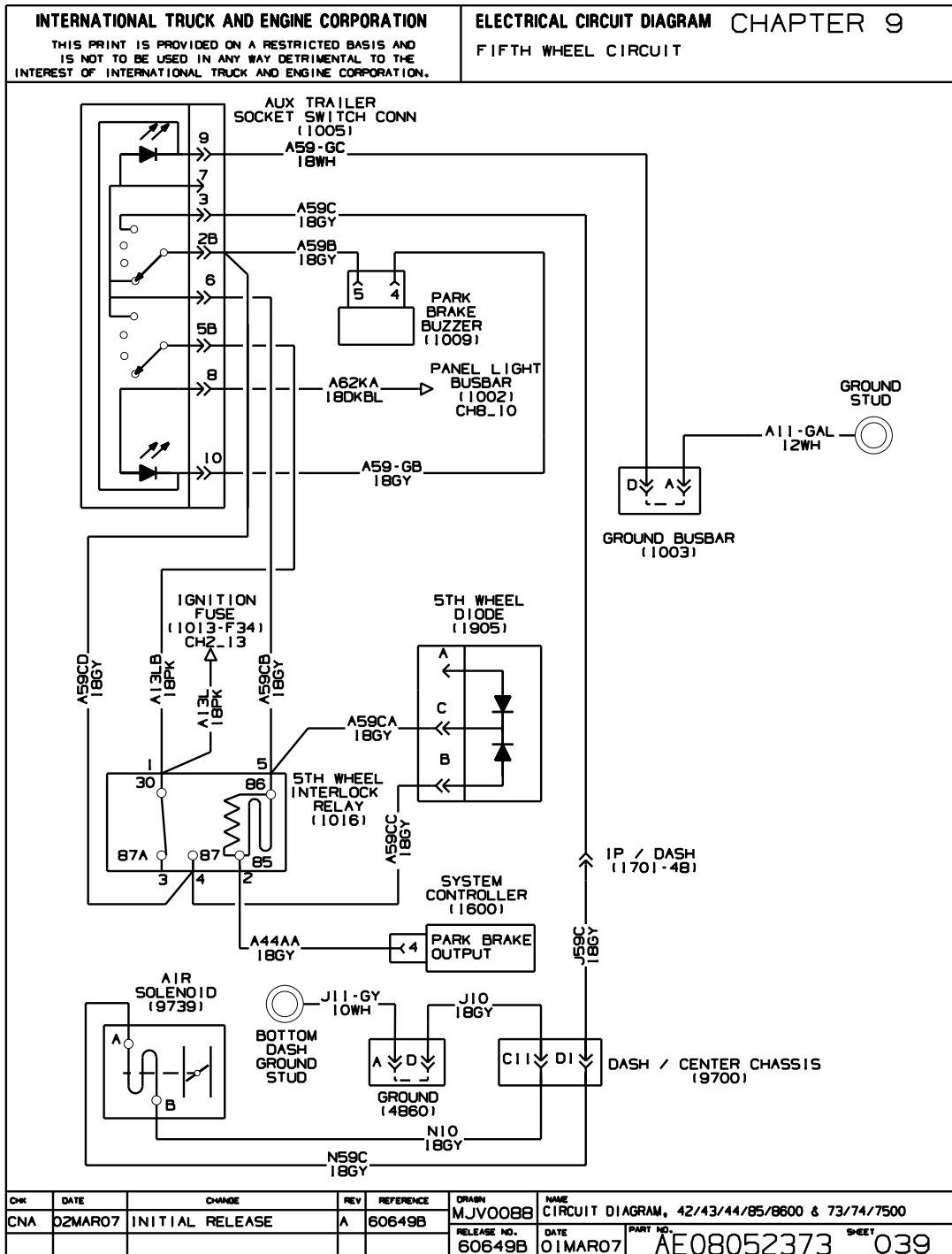


Figure 154 Fifth Wheel Circuit

9.41. HYDRAULIC POWER BRAKE WITH SAHR PARK BRAKES, P. 40

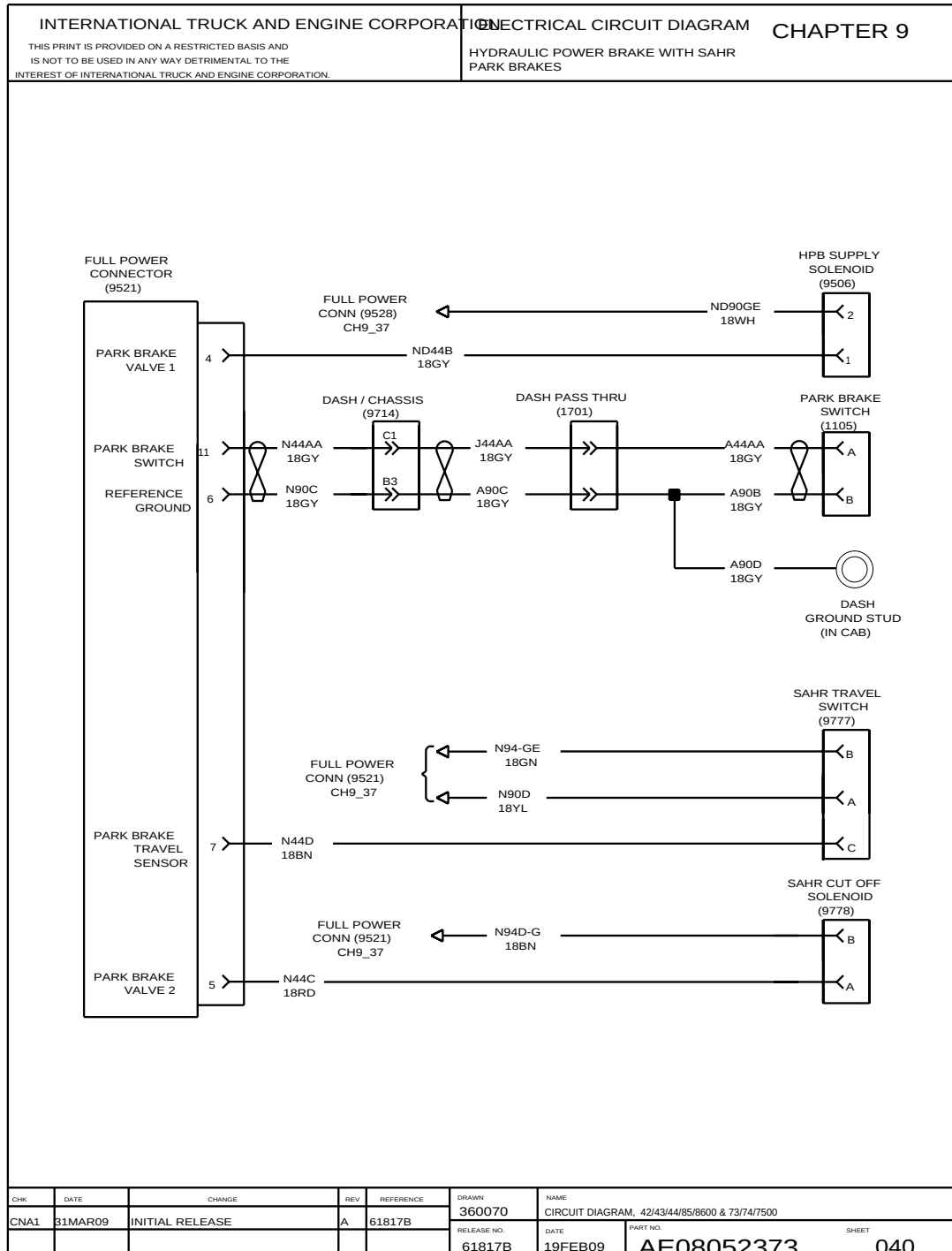


Figure 155 Hydraulic Power Brake with SAHR Park Brakes

9.43. ELECTRIC AIR COMPRESSOR, P. 42

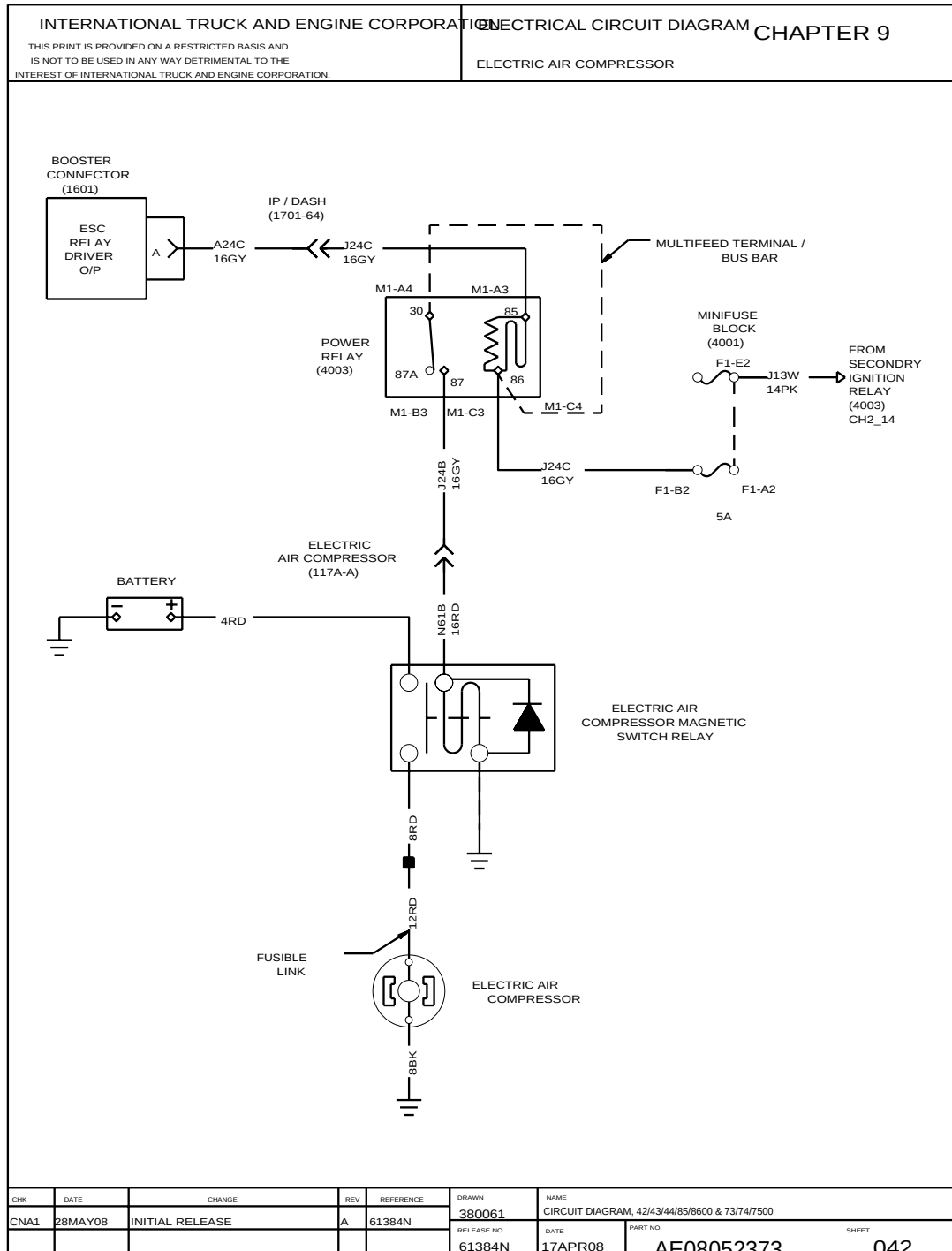


Figure 157 Electric Air Compressor

10. TRANSMISSIONS (CHAPTER 10)

10.1. ALLISON GEN4 LCT TRANSMISSION OR ALLISON 1000, 2000, 2400, P. 1

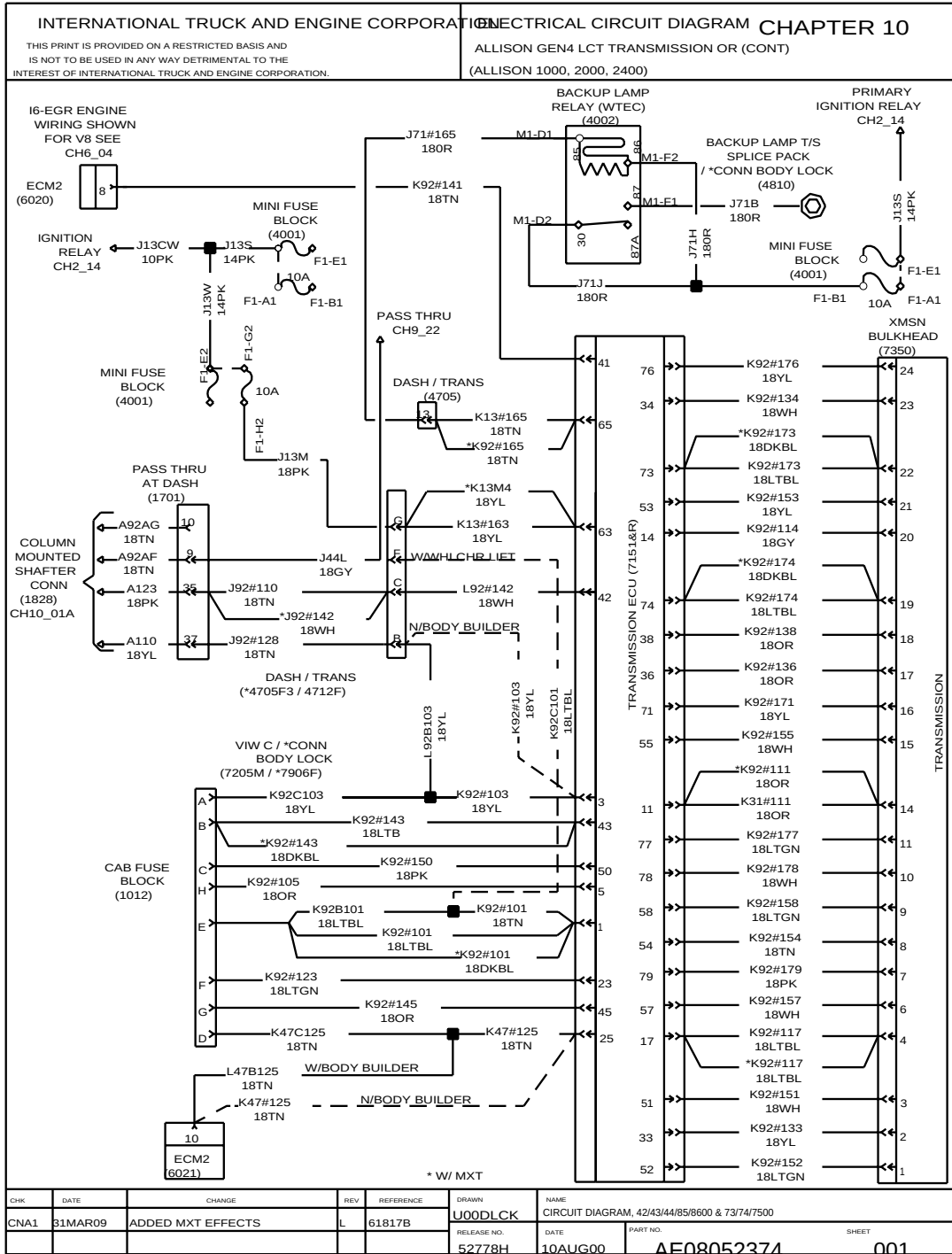


Figure 158 Allison GEN4 LCT Transmission or Allison 1000, 2000, 2400

3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

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10.2. ALLISON GEN4 LCT TRANSMISSION OR ALLISON 1000, 2000, 2400, P. 1A

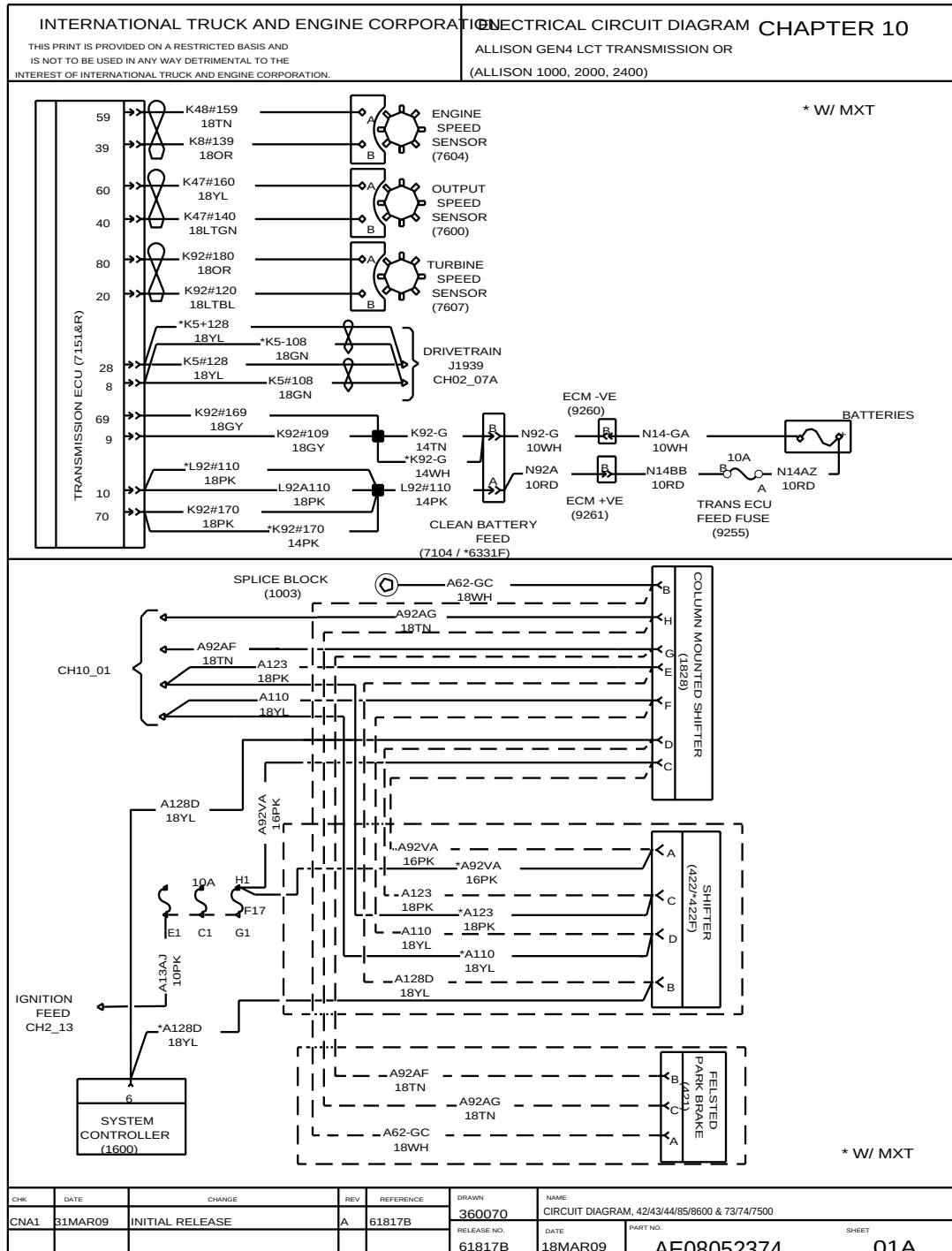


Figure 159 Allison GEN4 LCT Transmission or Allison 1000, 2000, 2400

10.3. TRANSMISSION, LCT WITH V8, P. 1B

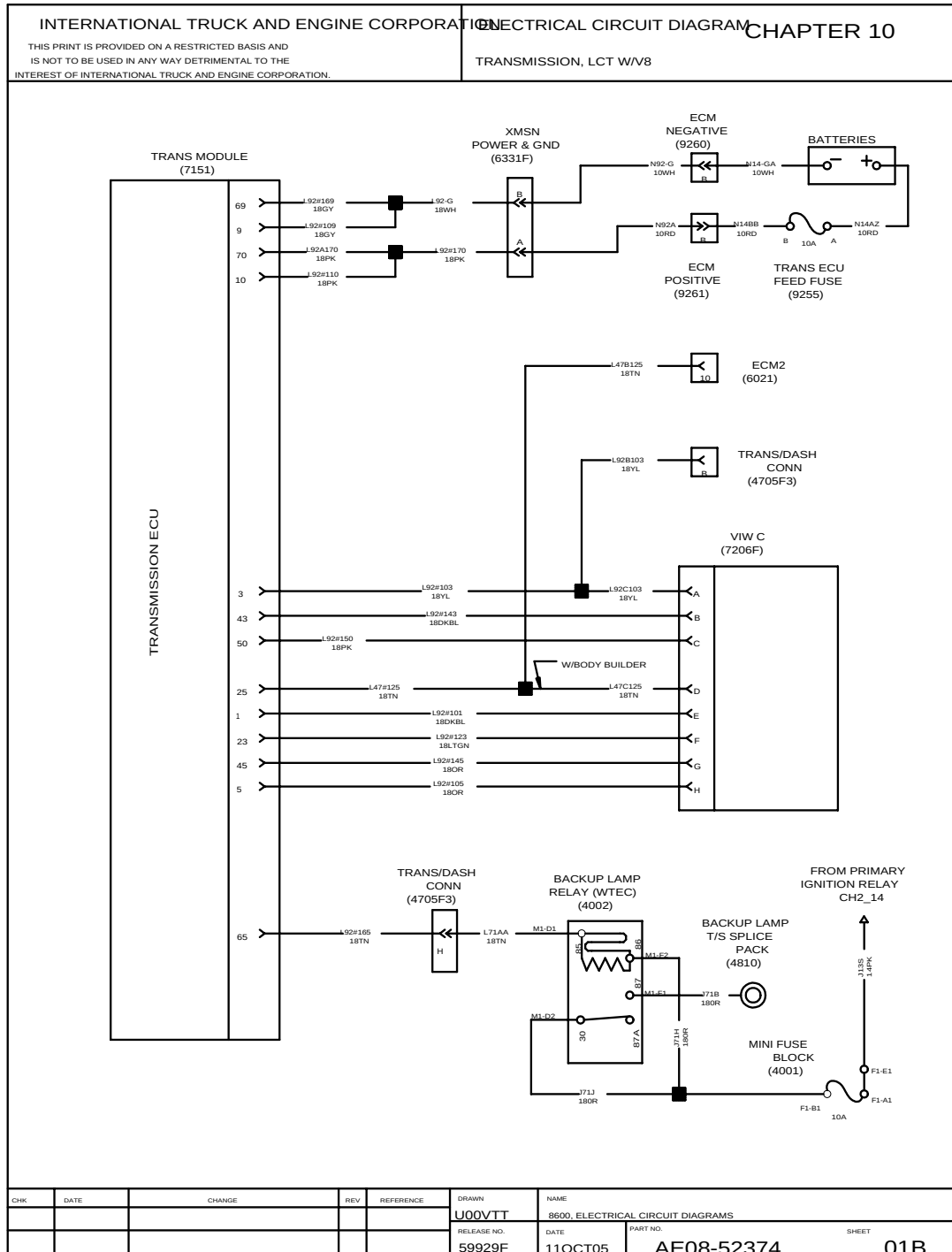


Figure 160 Transmission, LCT with V8

10.4. ALLISON MD TRANSMISSION, P. 2



10.5. ALLISON GEN4 MD TRANSMISSION (WTEC), P. 3

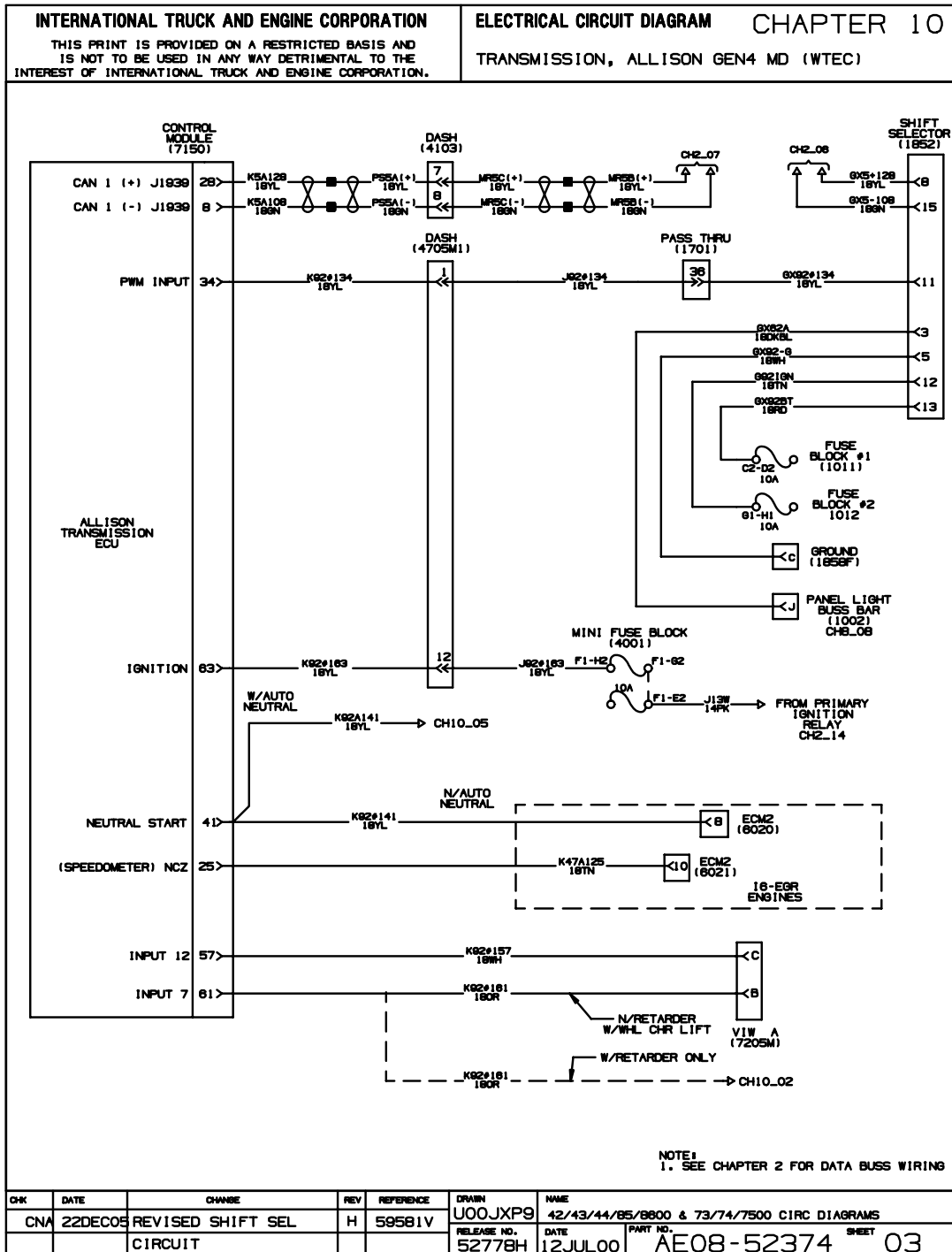


Figure 162 Allison MD Transmission (WTEC)

10.6. ALLISON MD TRANSMISSION (CONT.), P. 4

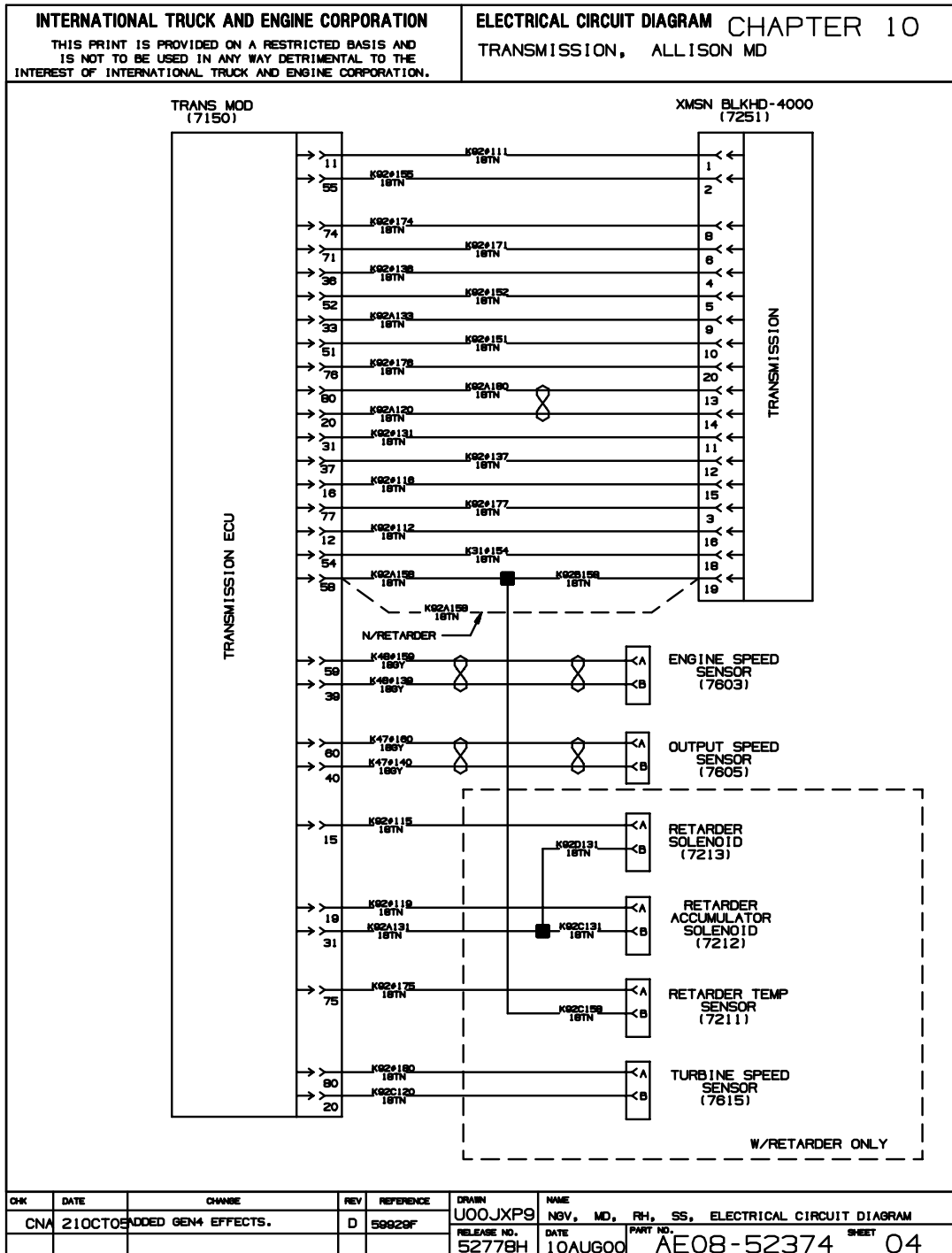


Figure 163 Allison MD Transmission (Cont.)

10.7. TRANSMISSION, WTEC MD W/AUTO NEUTRAL, P. 5

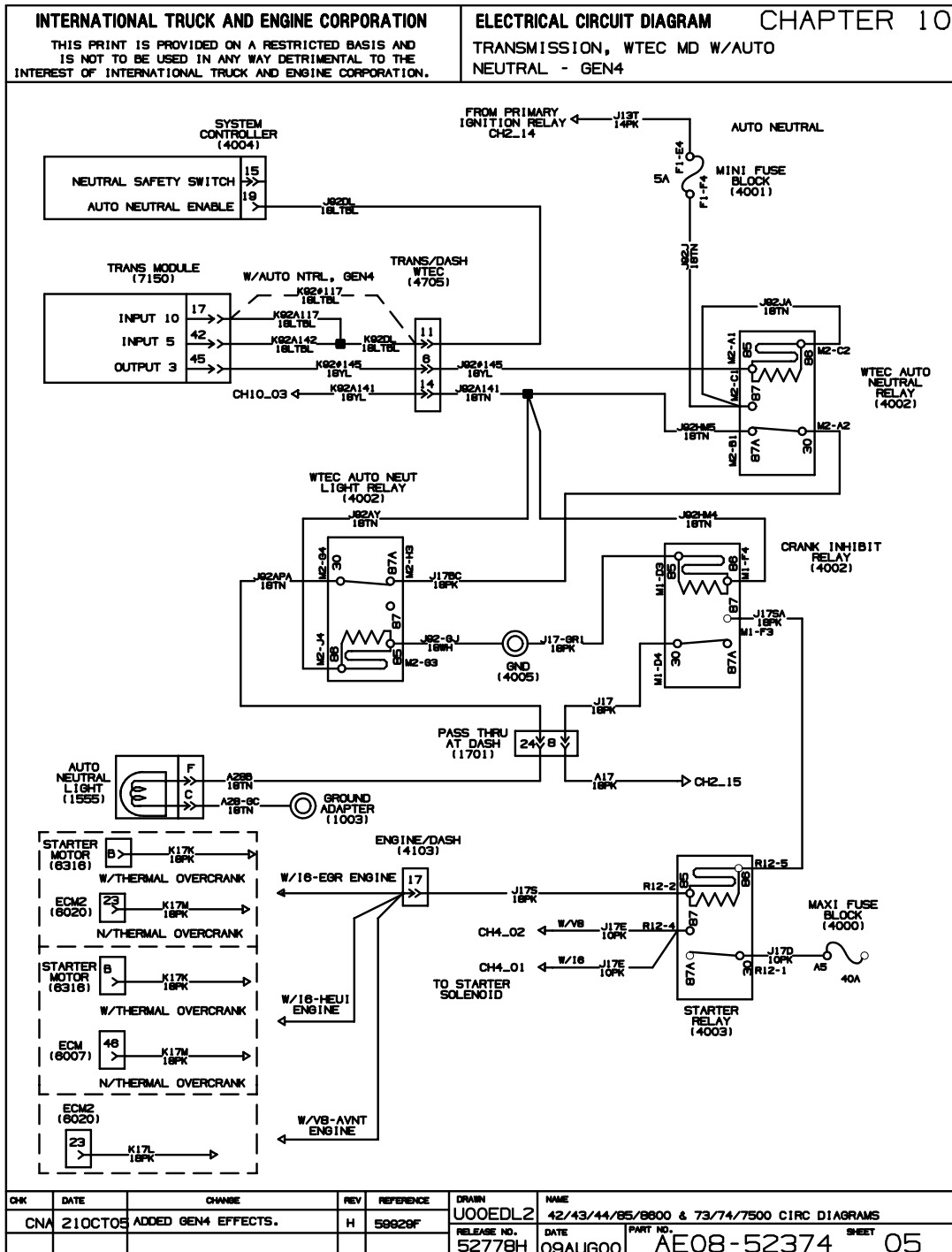


Figure 164 Transmission, WTEC MD W/Auto Neutral

10.8. TRANSMISSION, WTEC WITH V8, P. 5A

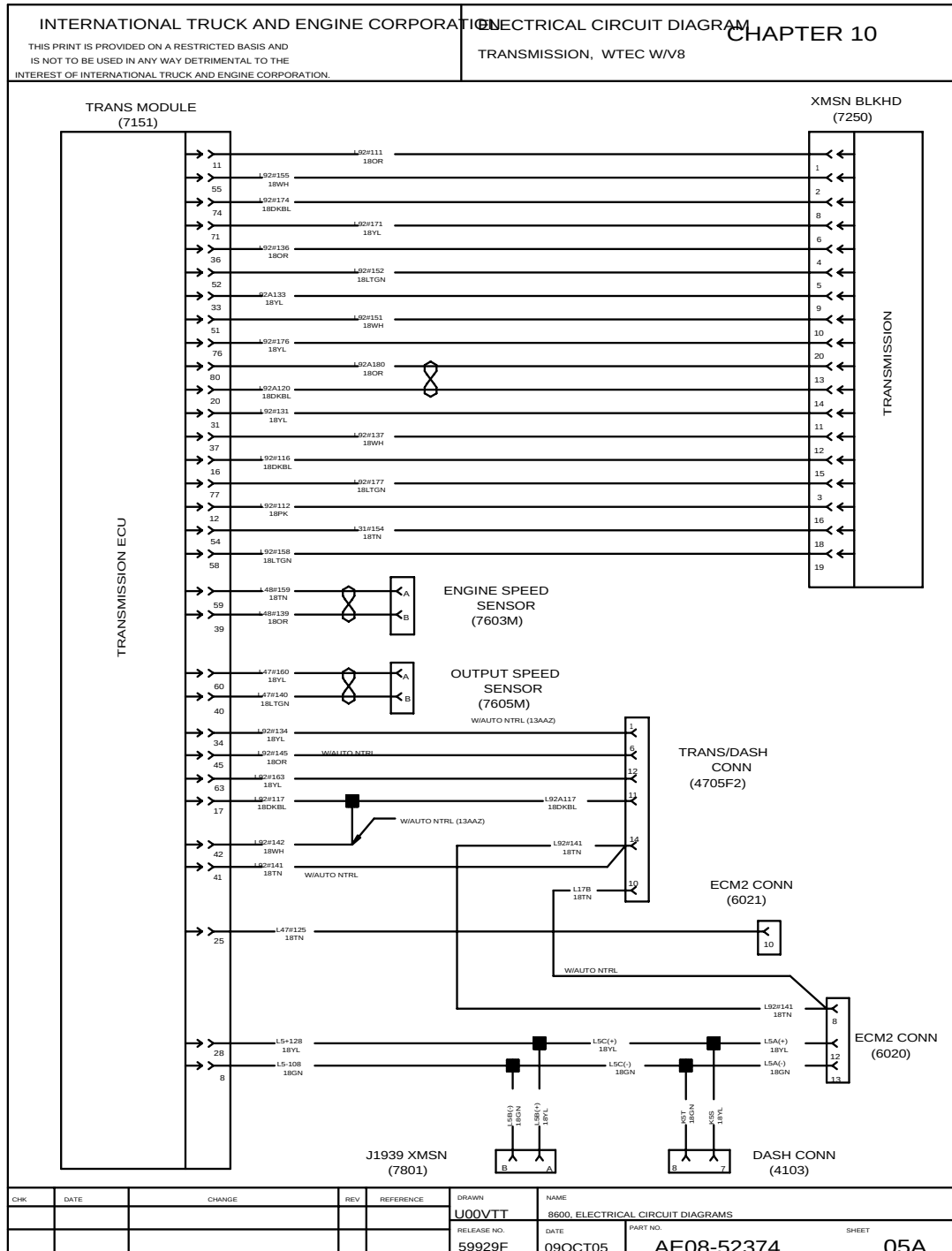


Figure 165 Transmission, WTEC with V8

10.9. TRANSMISSION, WTEC WITH V8, P. 5B

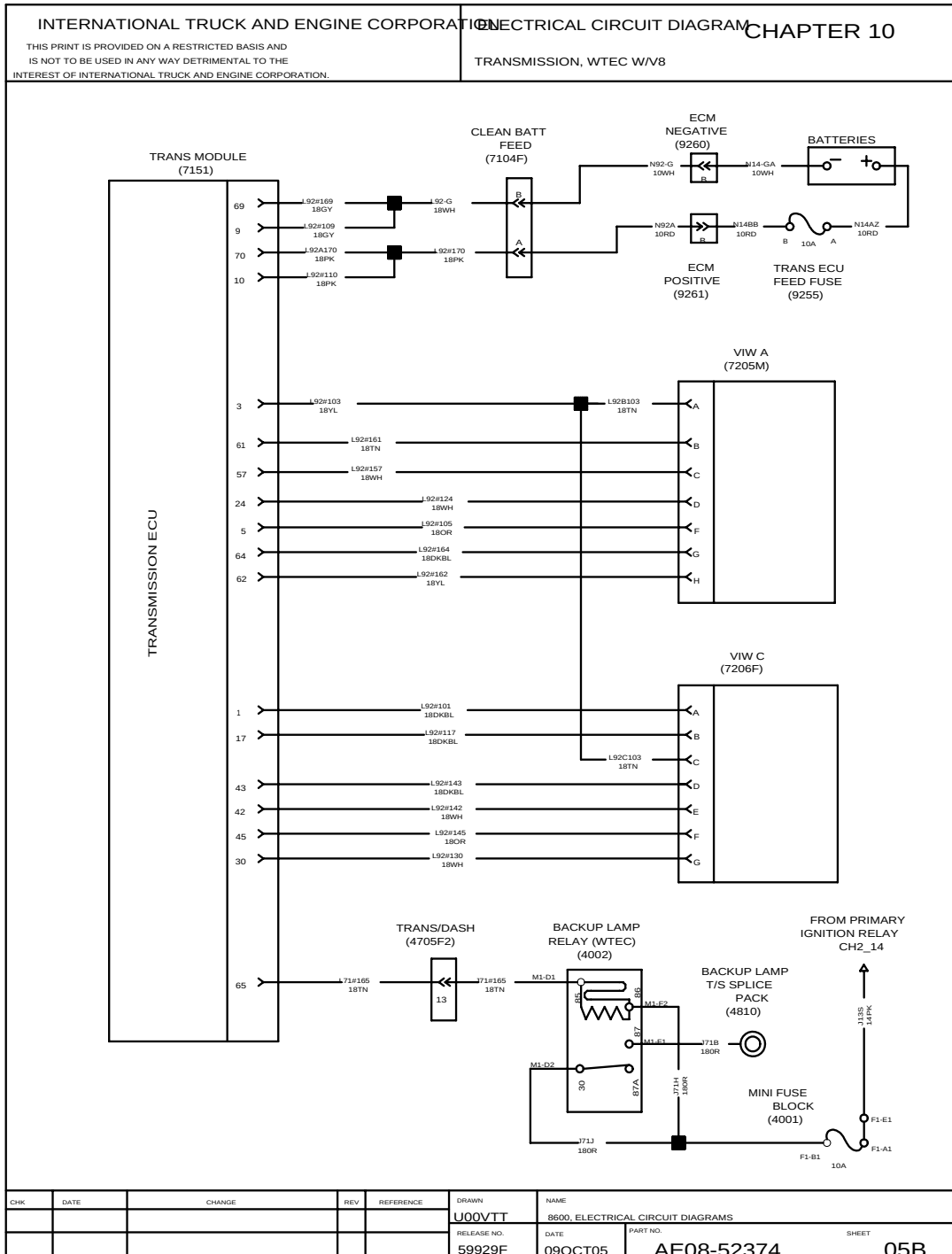


Figure 166 Transmission, WTEC with V8

10.10. EATON AUTOSHIFT TRANSMISSION, P. 6

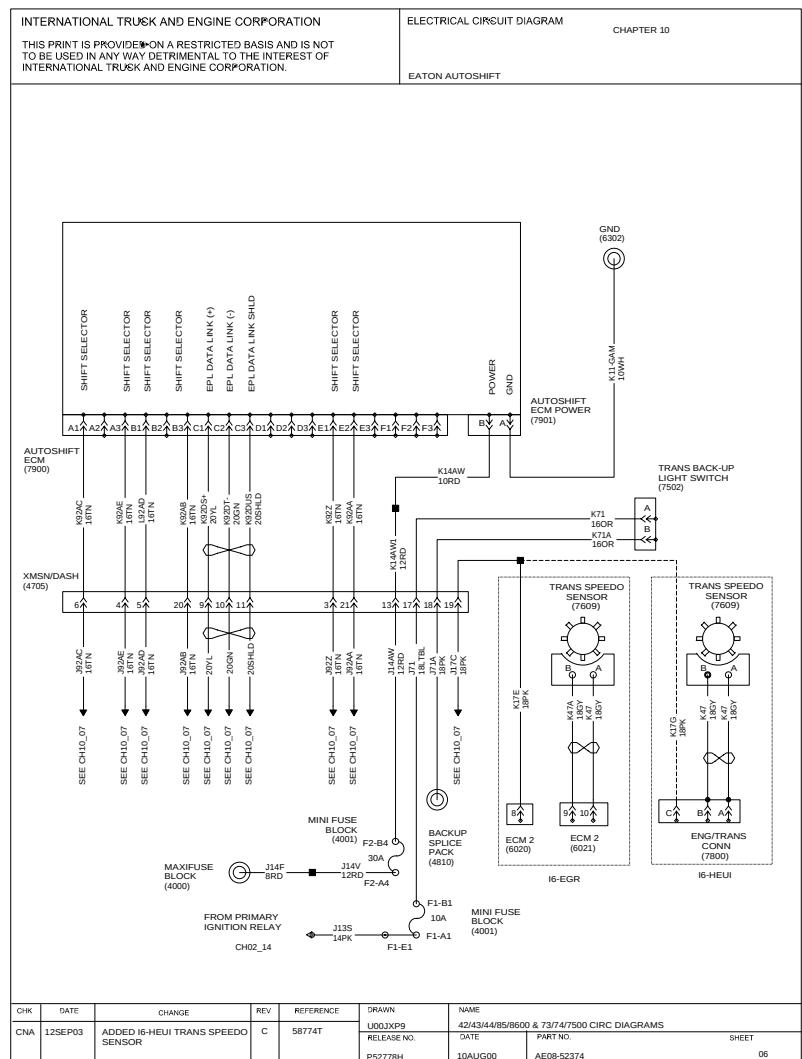


Figure 167 Eaton Autoshift Transmission

10.11. EATON AUTOSHIFT TRANSMISSION (CONT.), P. 7

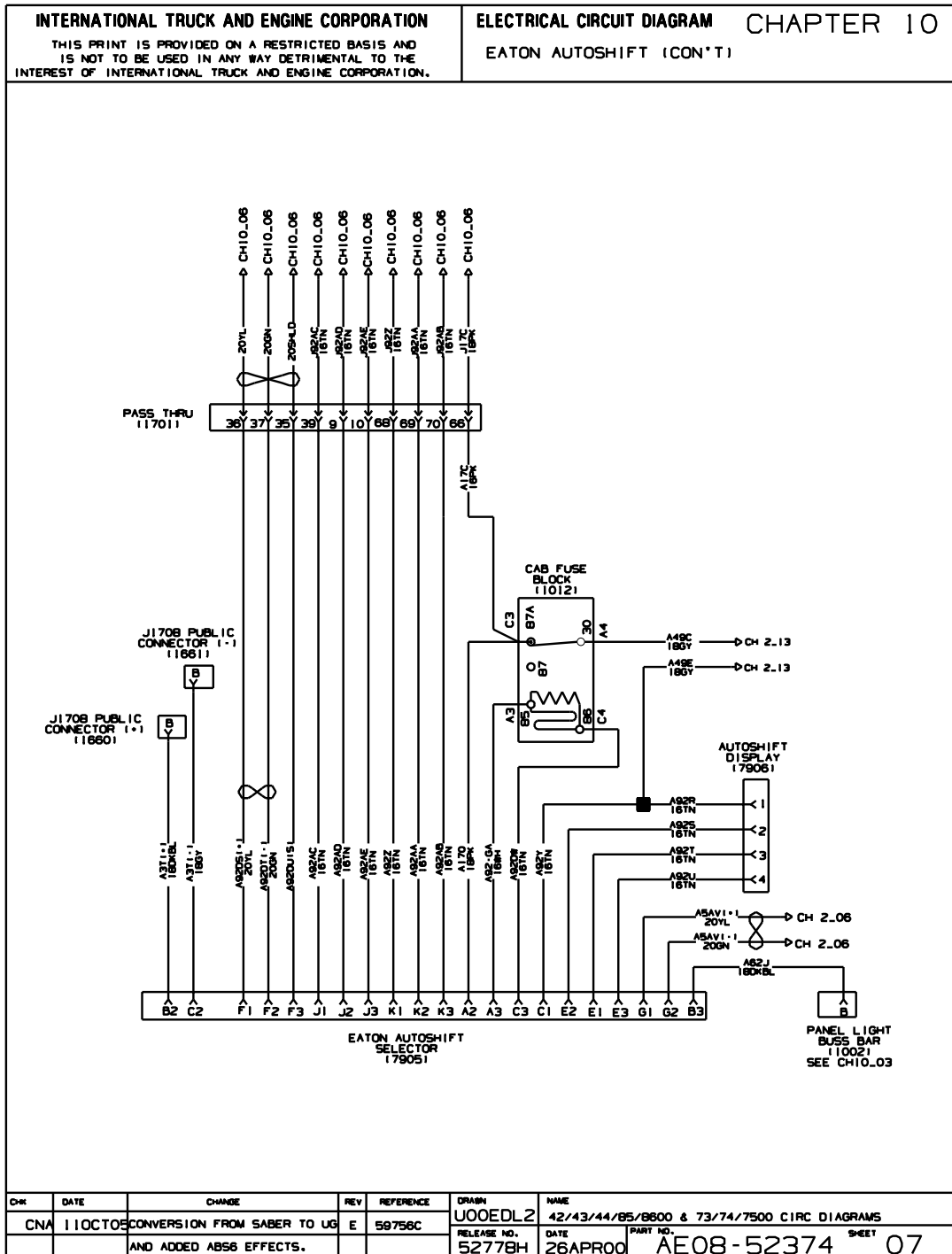


Figure 168 Eaton Autoshift Transmission (Cont.)

10.12. EATON LIGHTNING TRANSMISSION, P. 8

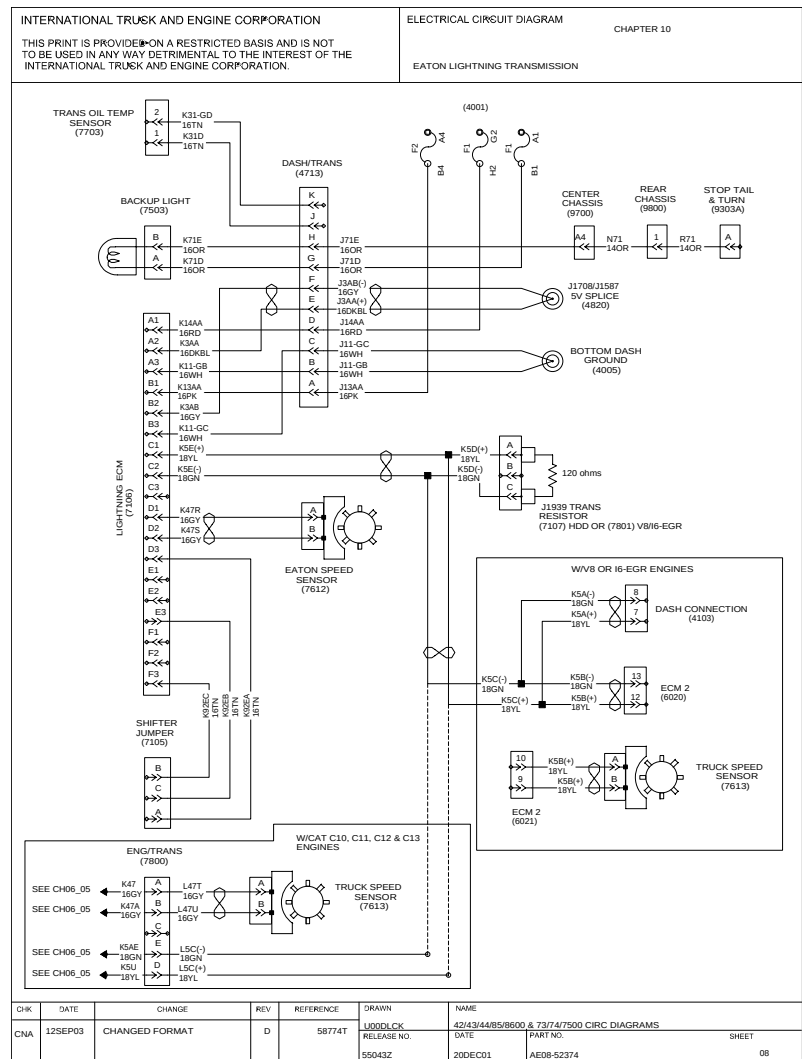


Figure 169 Eaton Lightning Transmission

10.13. ALLISON HD TRANSMISSION, P. 9

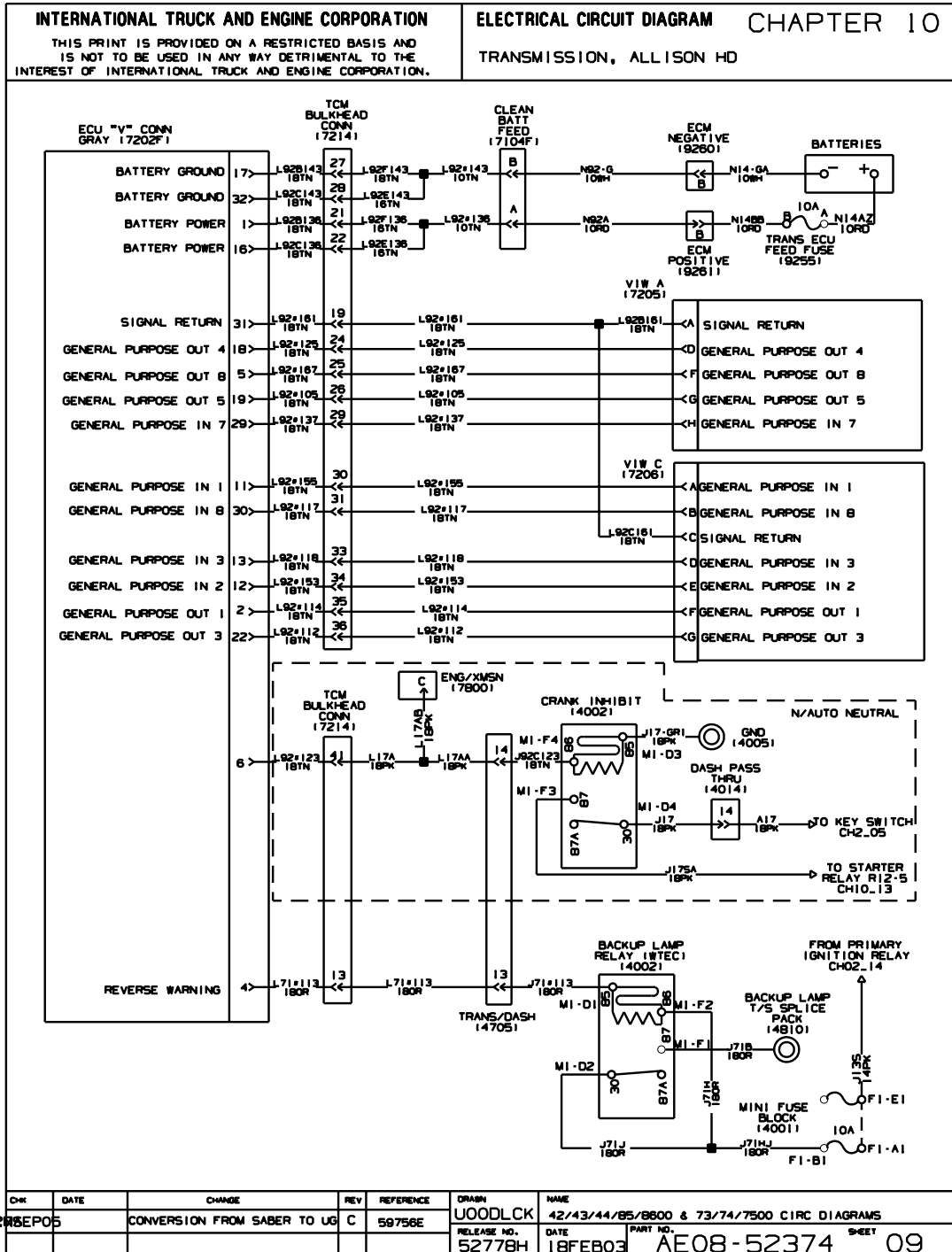
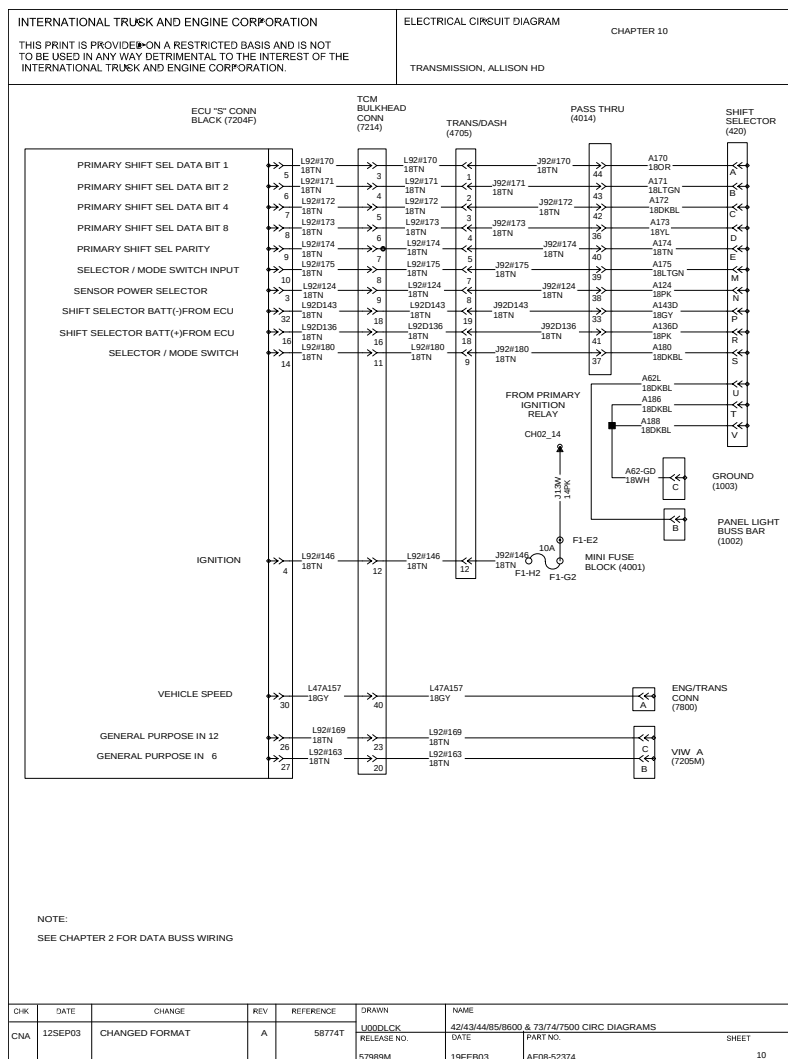
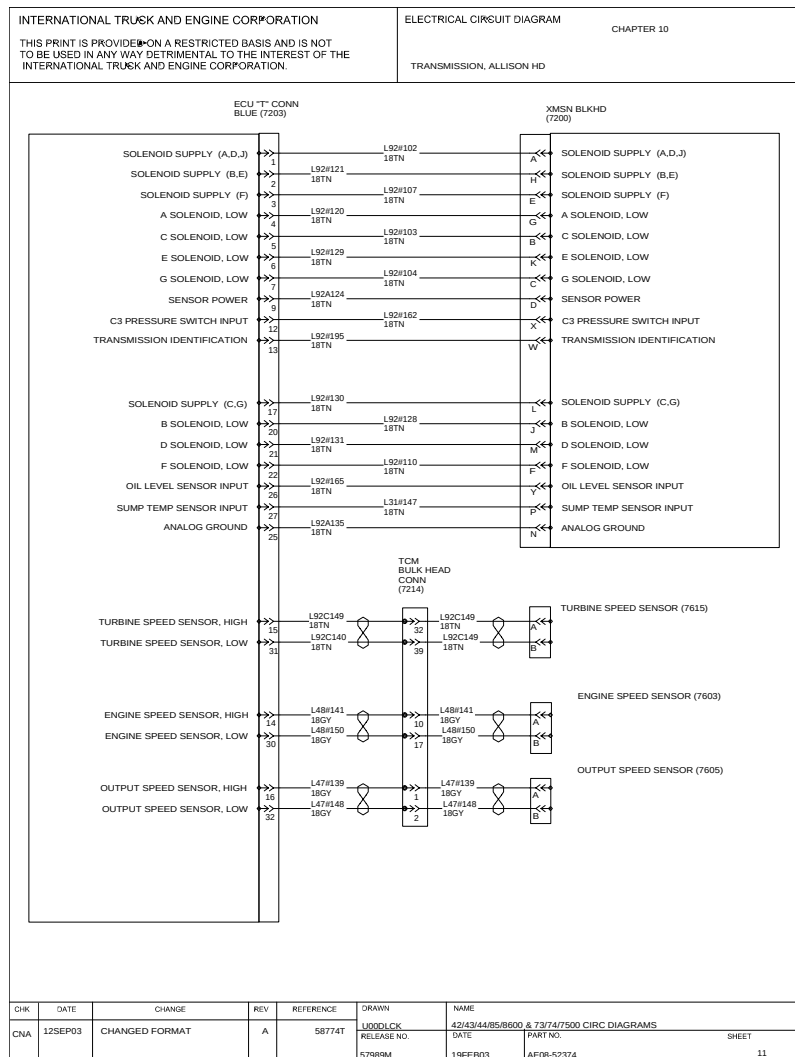


Figure 170 Allison HD Transmission

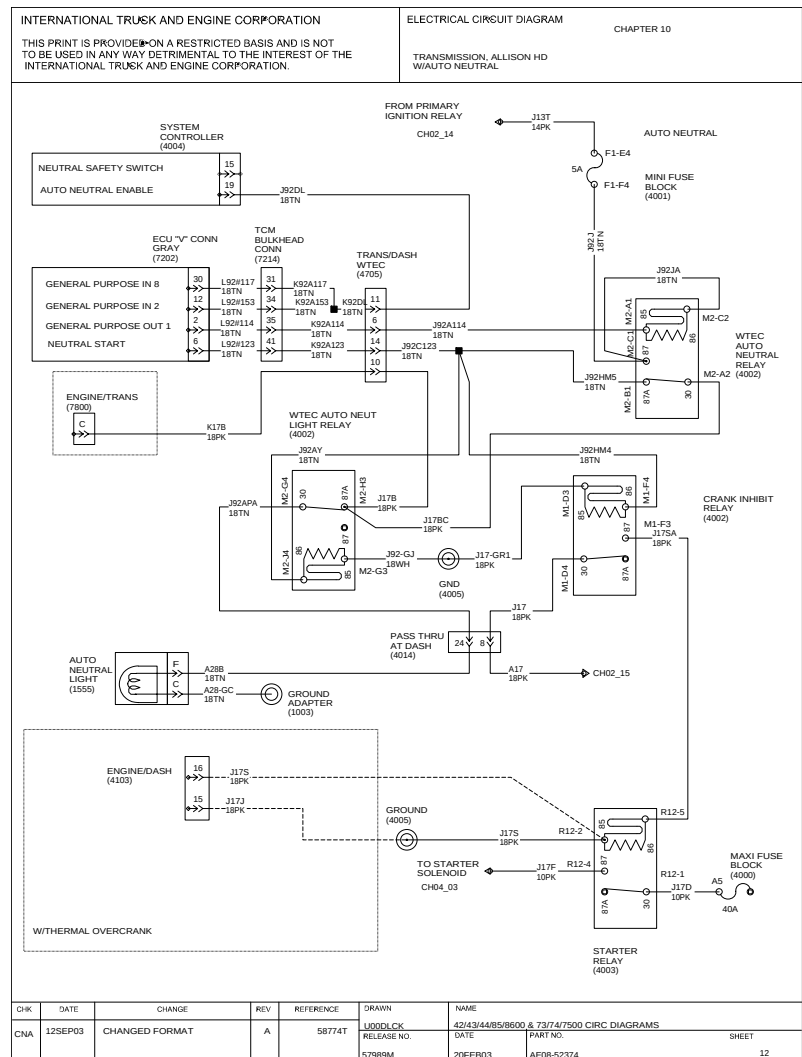
**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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10.14. ALLISON HD TRANSMISSION, P. 10**Figure 171 Allison HD Transmission (Cont.)**

10.15. ALLISON HD TRANSMISSION, P. 11**Figure 172 Allison HD Transmission (Cont.)**

10.16. ALLISON HD TRANSMISSION WITH AUTO NEUTRAL, P. 12



10.17. ALLISON HD TRANSMISSION WITH AUTO NEUTRAL — GEN4, P. 13

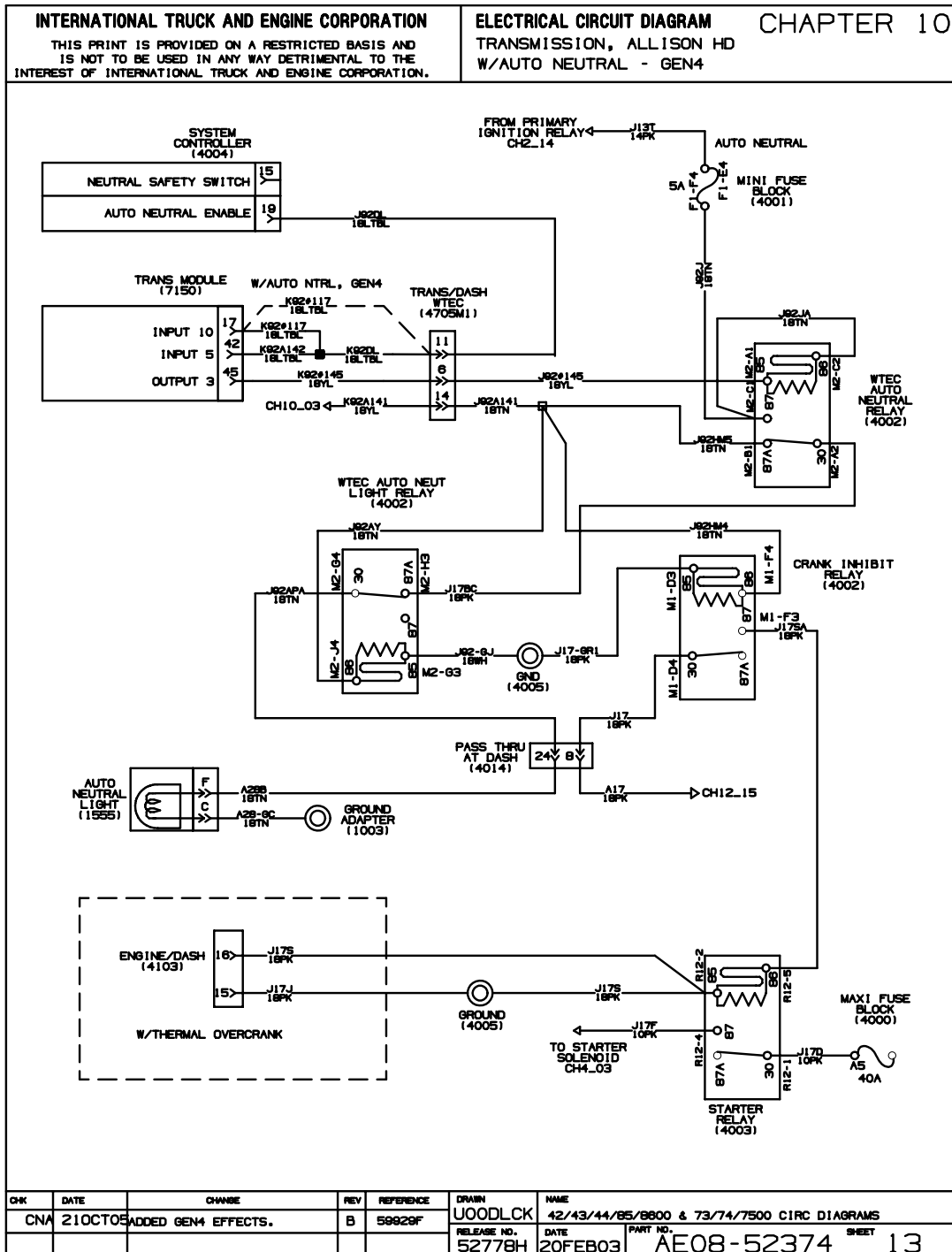


Figure 174 Allison HD Transmission With Auto Neutral — GEN4

10.18. ALLISON LCT TRANSMISSION (ALLISON 1000, 2000, 2400) WITH I6 HEUI, P. 14

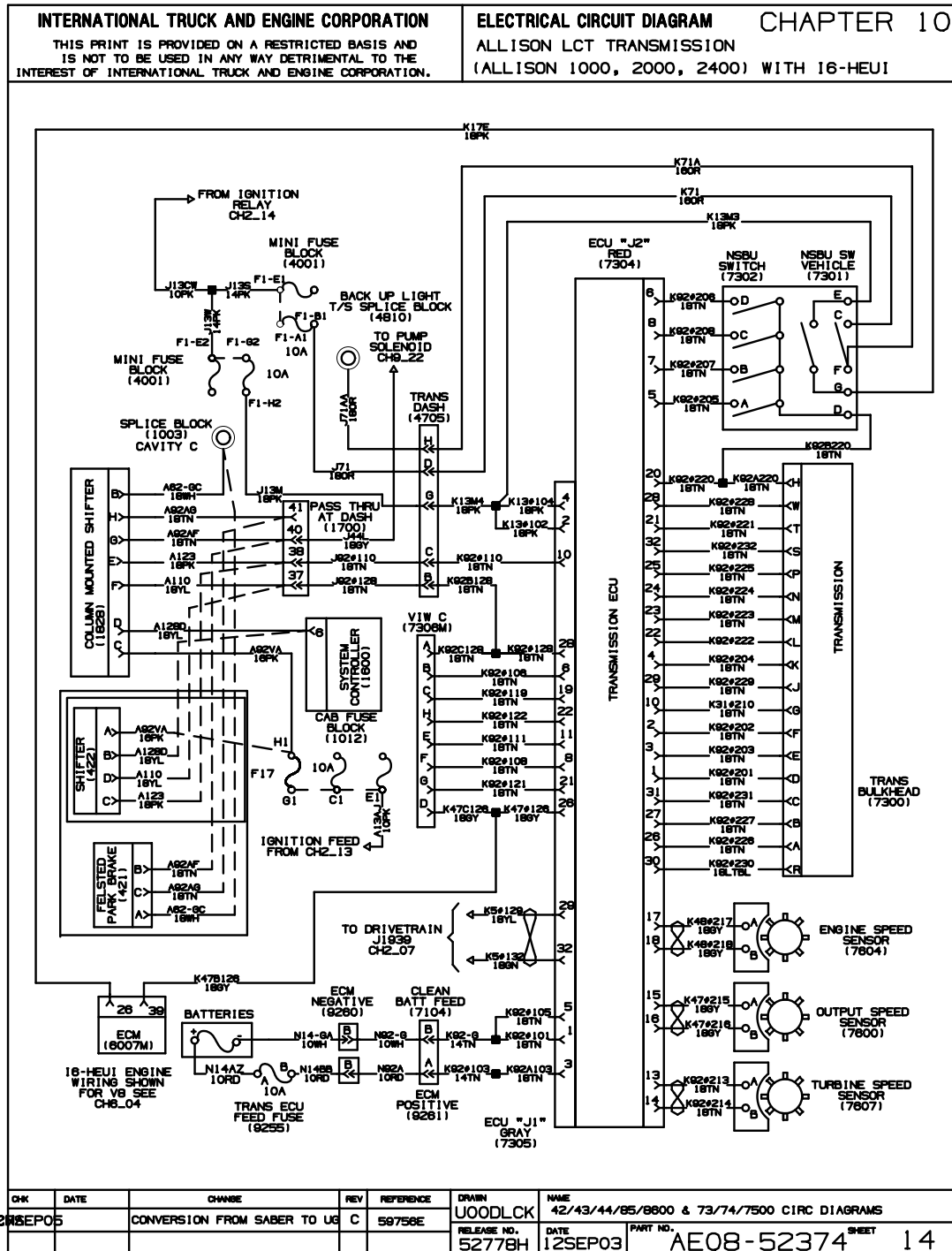


Figure 175 Allison LCT Transmission (Allison 1000, 2000, 2400) with I6 HEUI

10.19. TRANSMISSION RETARDER CONTROL WIRING WITH MD XMSN, HARD WIRED EFFECTS, P. 15

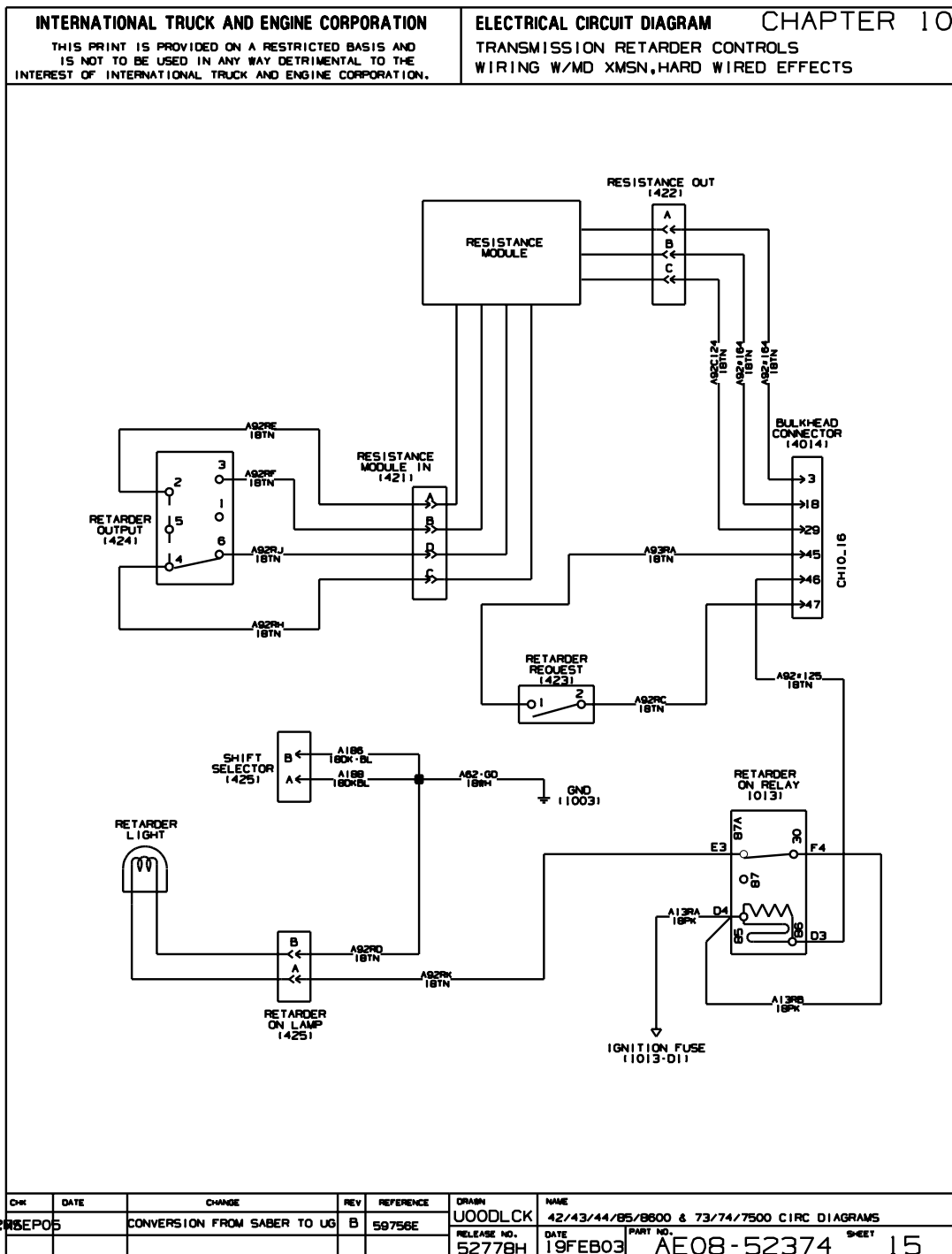
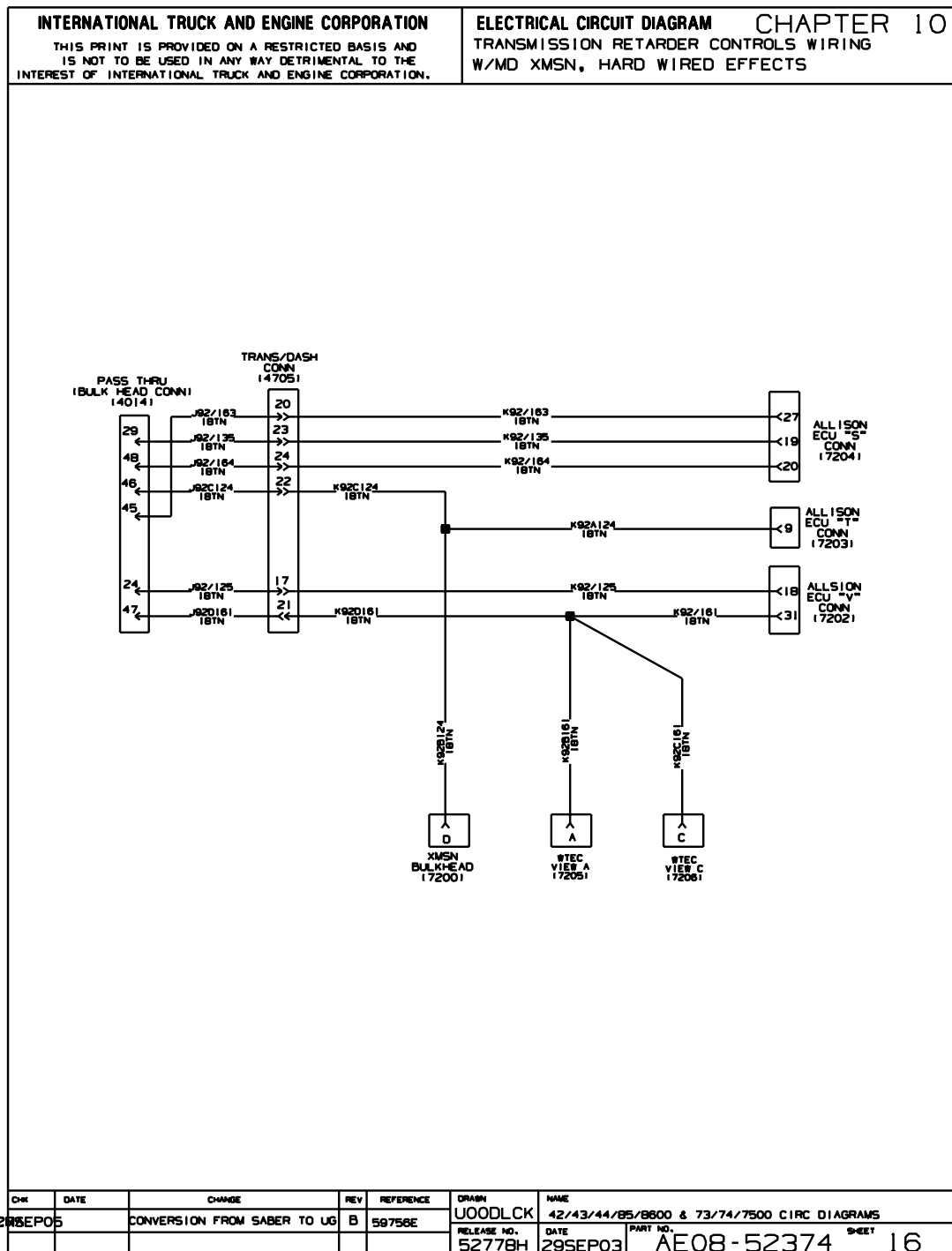


Figure 176 Transmission Retarder Control Wiring with MD Transmission, Hard Wired Effects

10.20. TRANSMISSION RETARDER CONTROL WIRING WITH MD XMSN, HARD WIRED EFFECTS, P. 16**Figure 177 Transmission Retarder Control Wiring with MD Transmission, Hard Wired Effects**

10.21. EATON ULTRASHIFT/DM2, P. 17

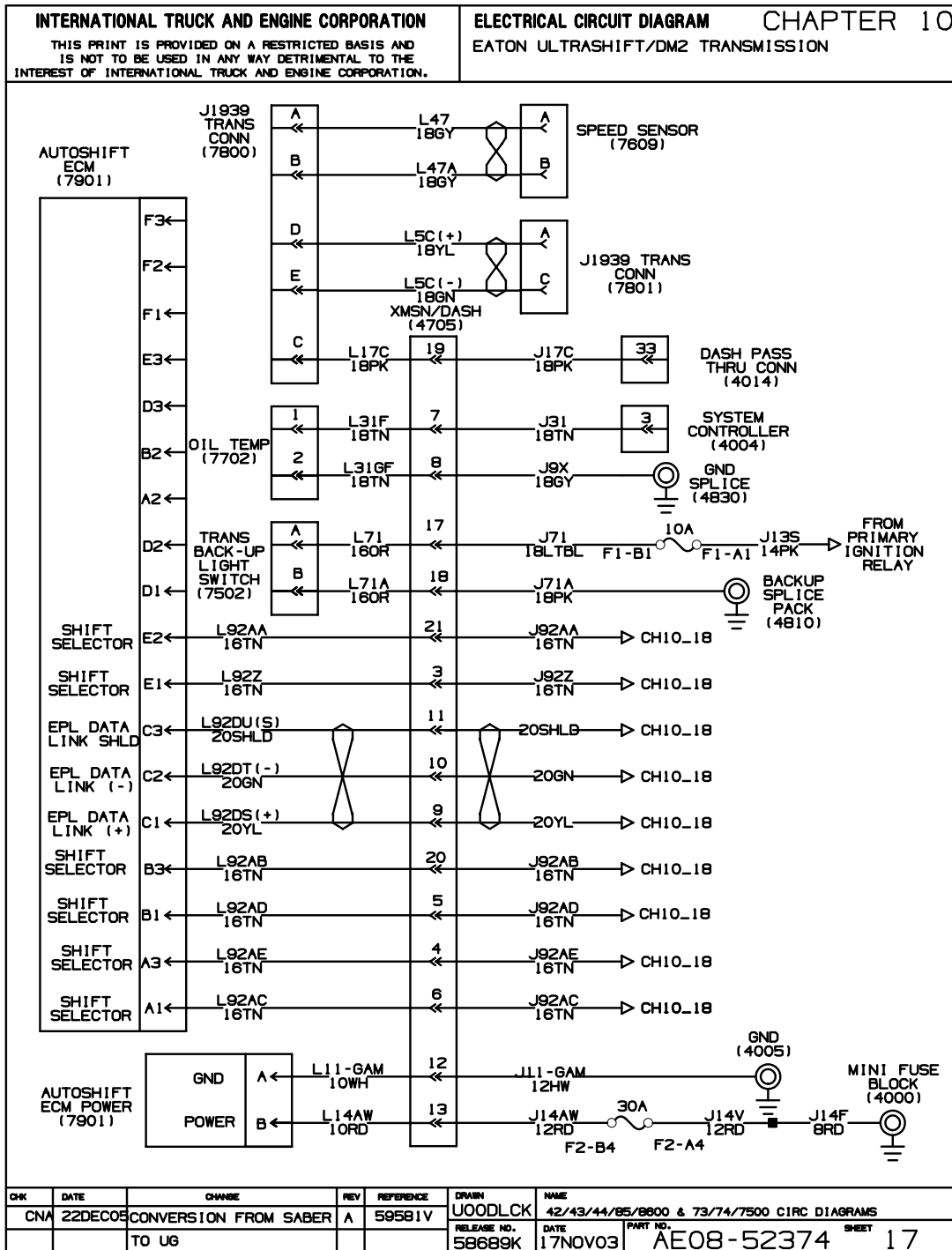


Figure 178 Eaton Ultrashift/DM2

10.22. EATON ULTRASHIFT/DM2 (CONT.), P. 18

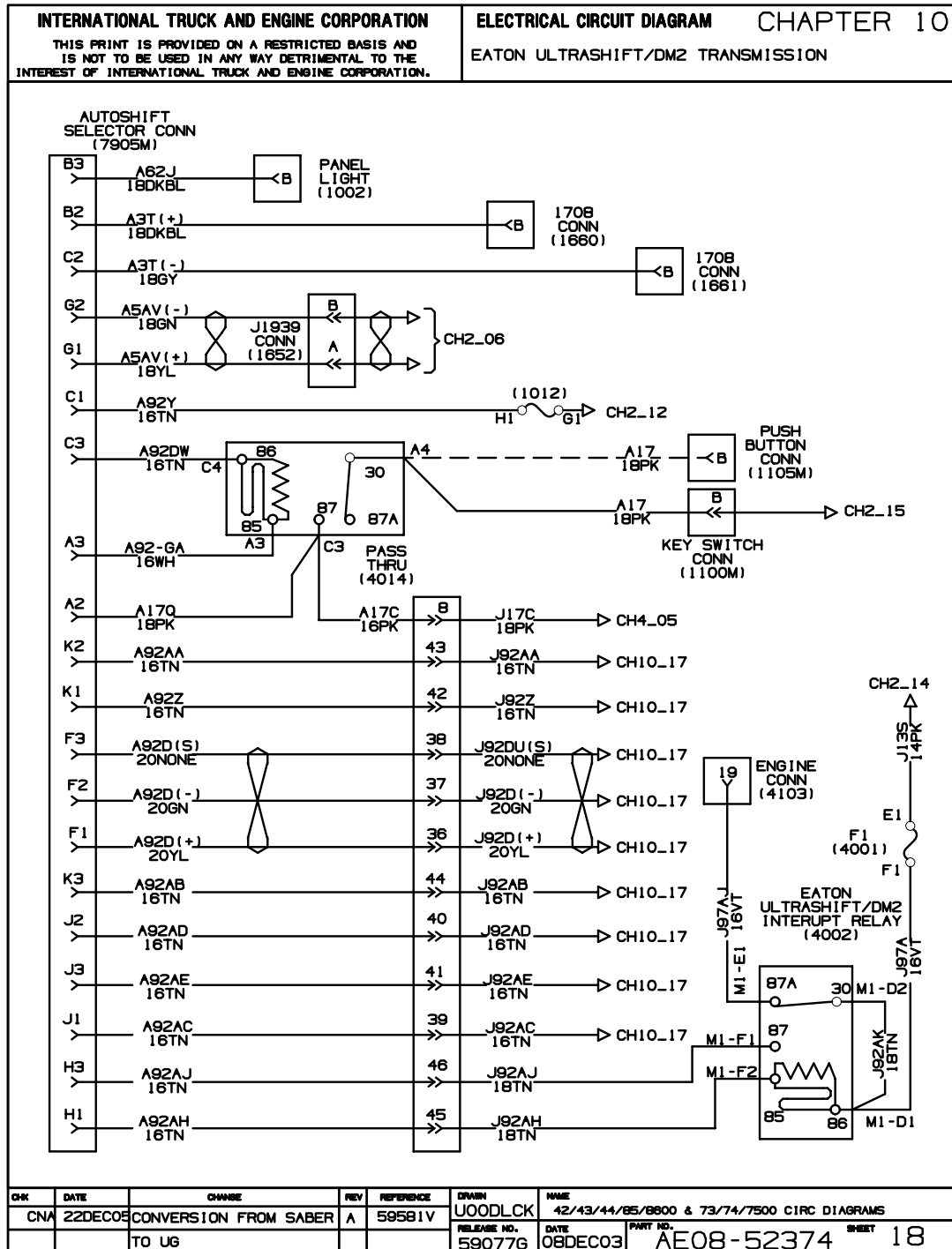


Figure 179 Eaton Ultrashift/DM2 (Cont.)

10.23. WTEC MD TRANSMISSION WITH AUTO NEUTRAL, P. 19

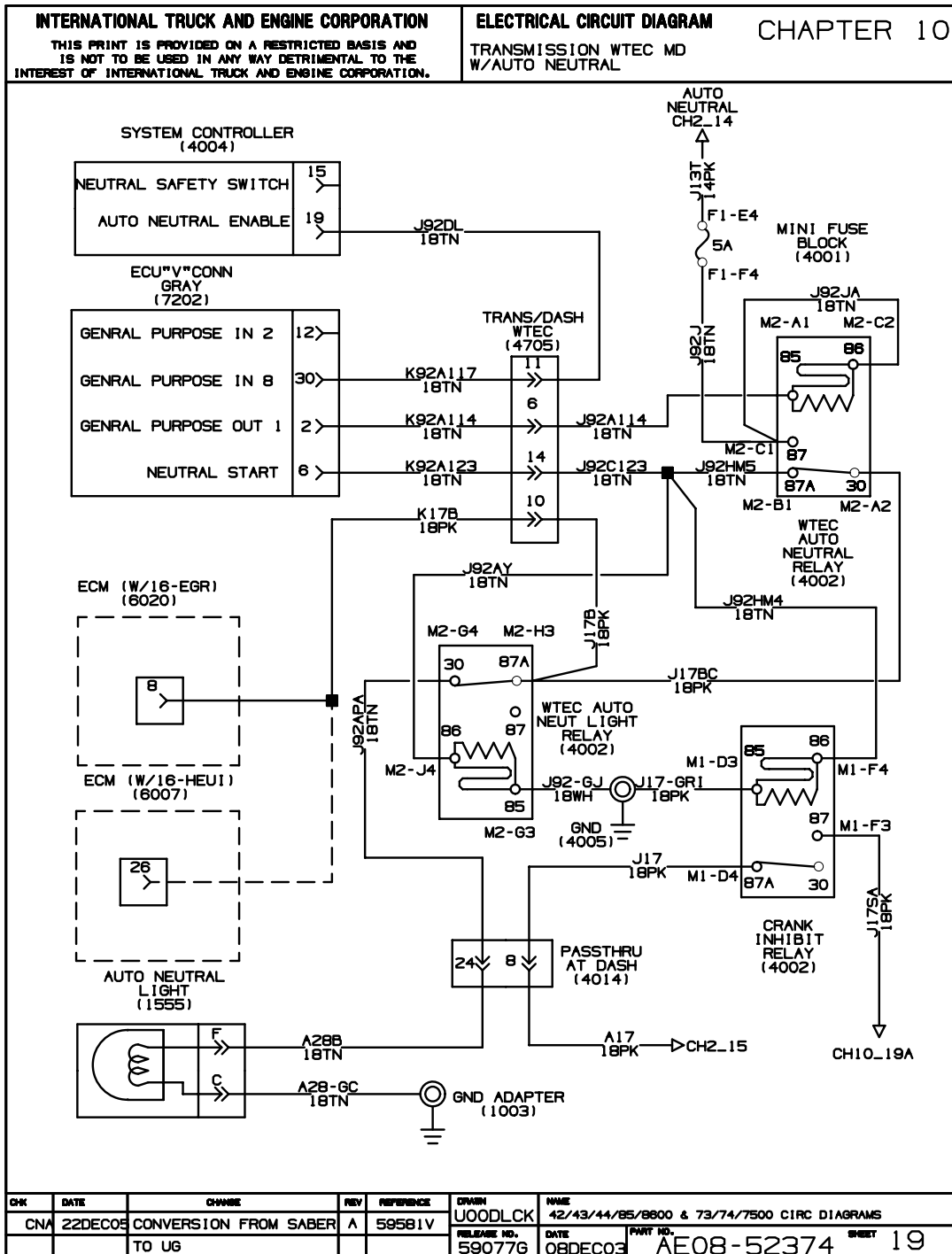


Figure 180 WTEC MD Transmission with Auto Neutral

10.24. WTEC MD TRANSMISSION WITH AUTO NEUTRAL AND WITH 0013WUA, P. 19A

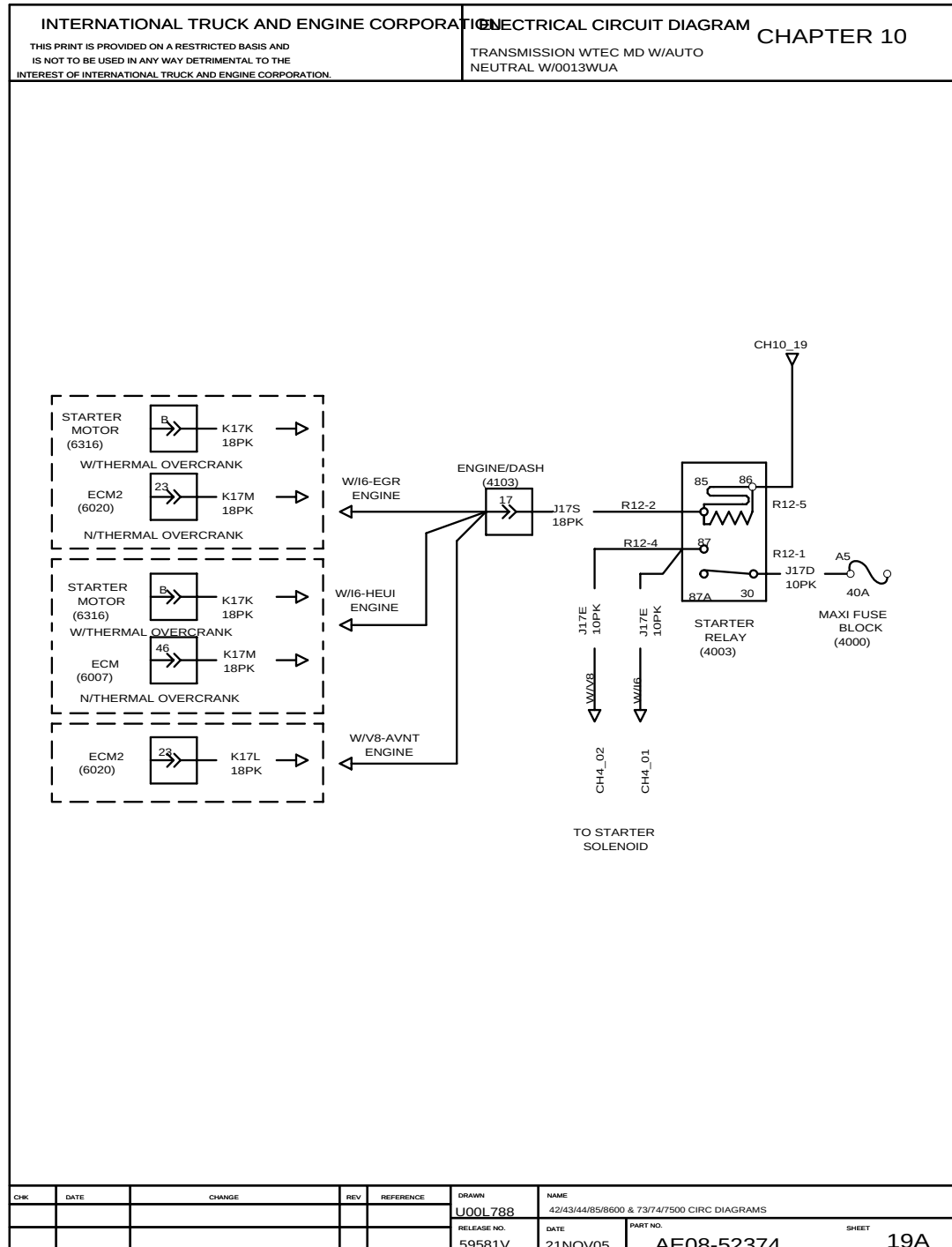


Figure 181 WTEC MD Transmission with Auto Neutral and with 0013WUA

10.25. EATON AUTOSHIFT/ULTRASHIFT TRANSMISSION (GEN 3), P. 20

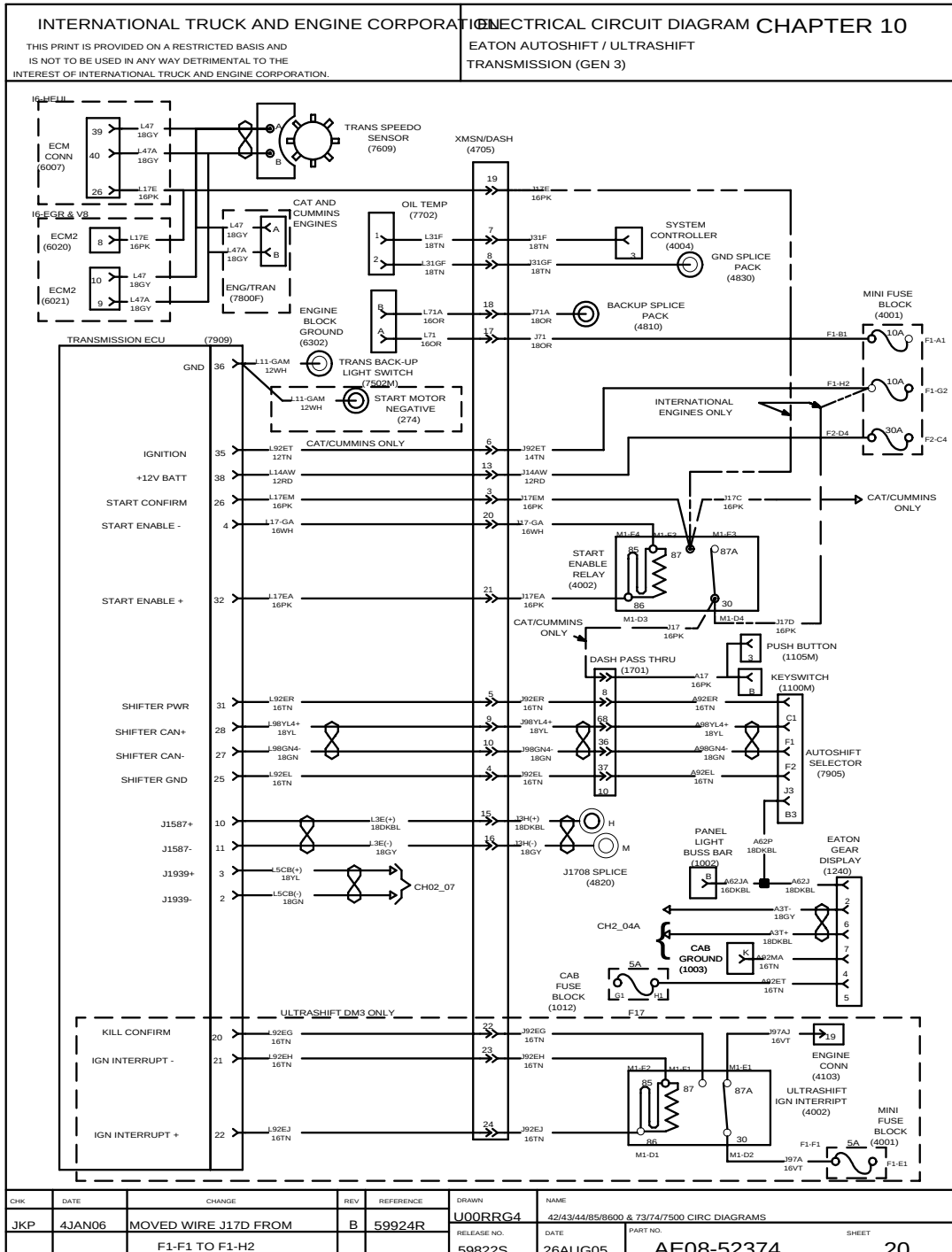


Figure 182 Eaton Autoshift/Ultrashift Transmission (Gen 3)

10.26. EATON HYBRID TRANSMISSION, P. 21

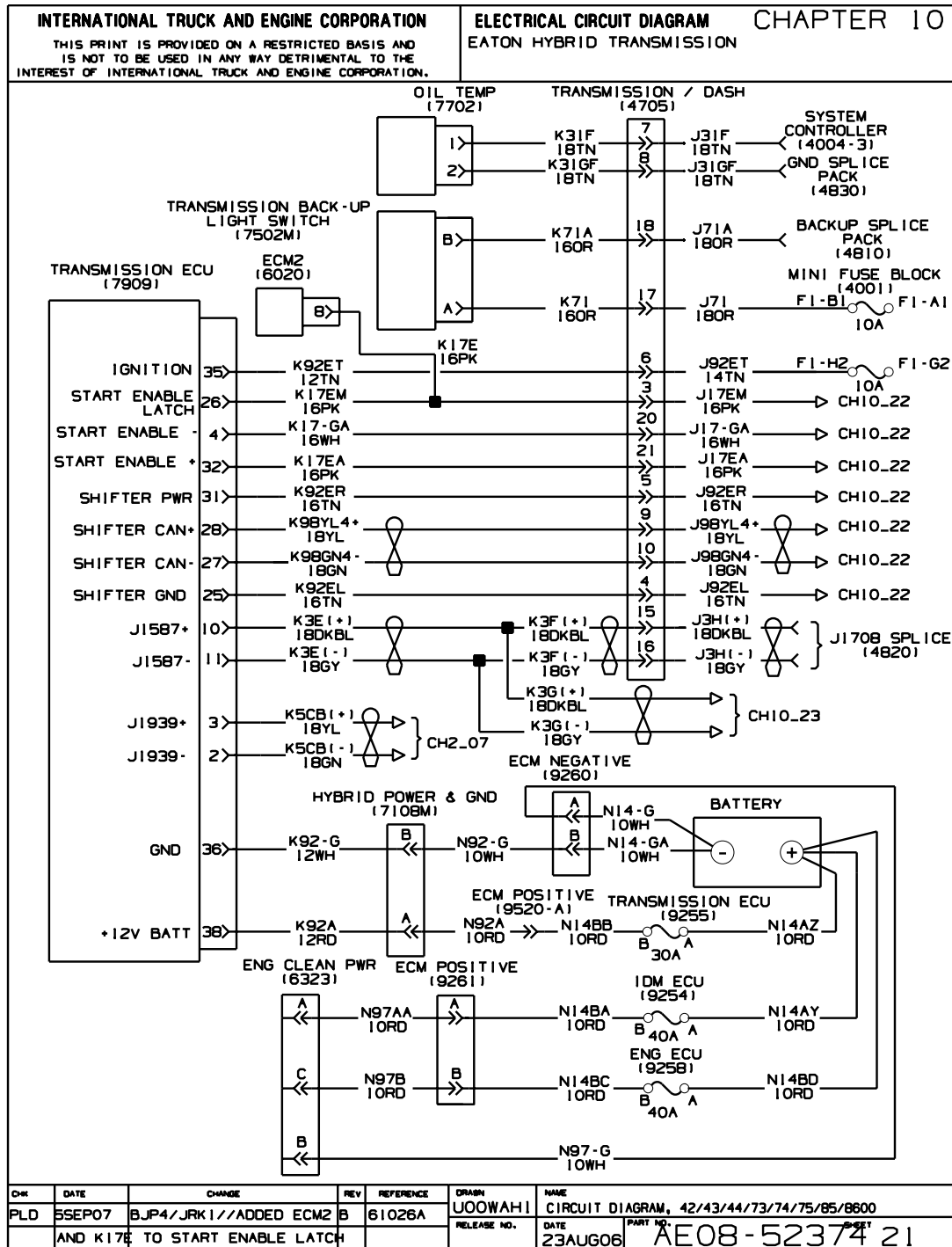


Figure 183 Eaton Hybrid Transmission

10.27. EATON HYBRID TRANSMISSION, P. 22

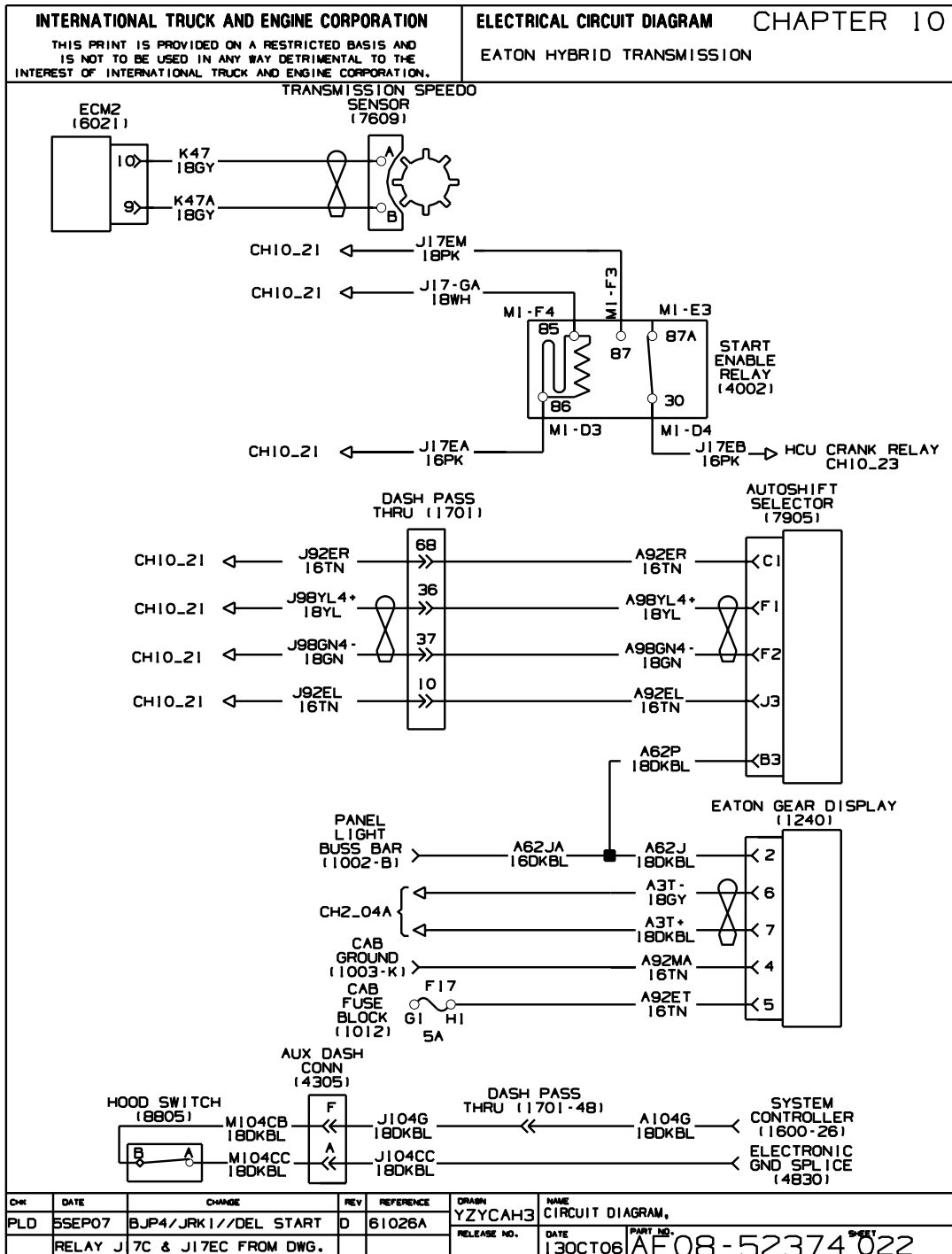


Figure 184 Eaton Hybrid Transmission

10.28. EATON HYBRID TRANSMISSION, P. 23

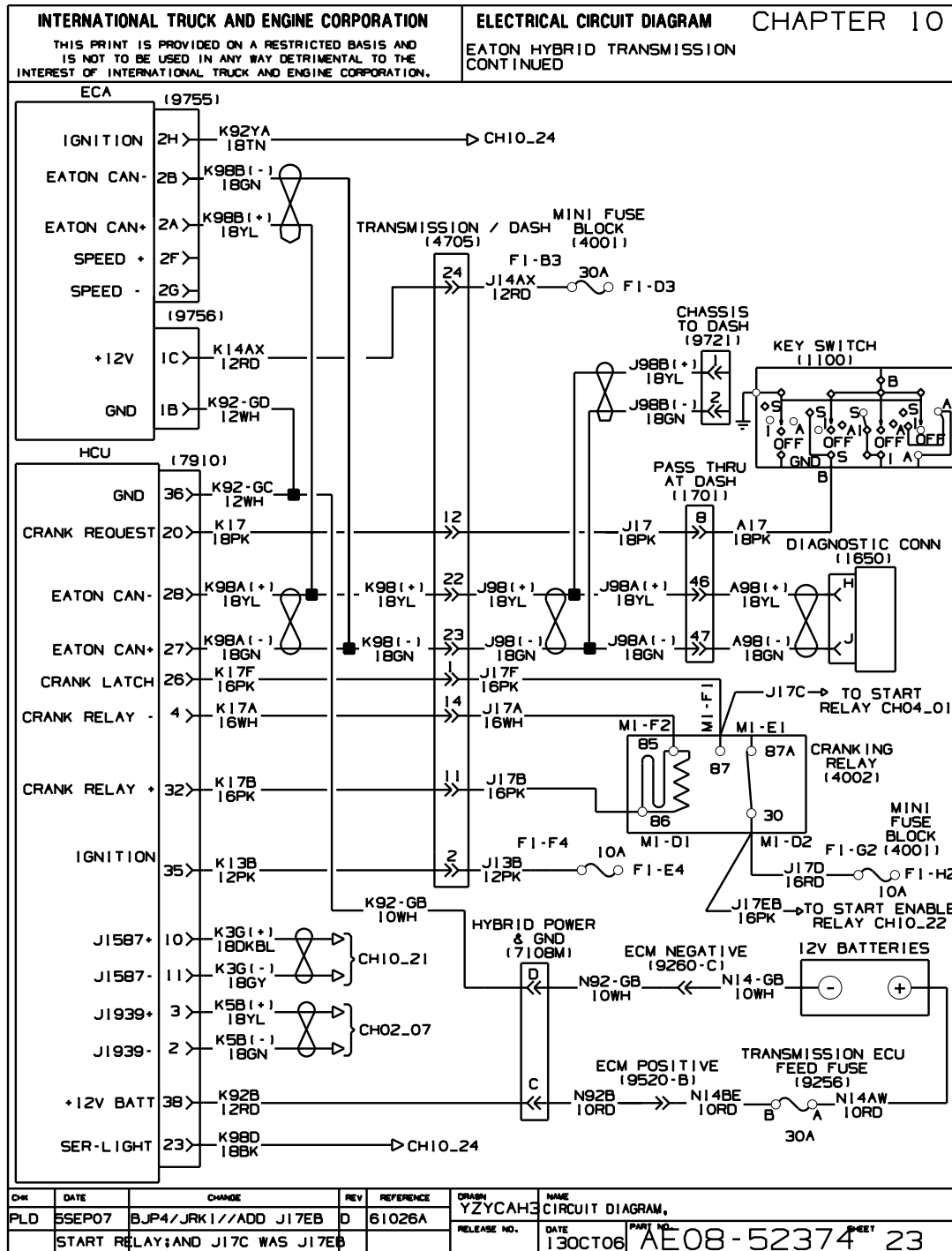


Figure 185 Eaton Hybrid Transmission

10.29. EATON HYBRID TRANSMISSION, P. 24

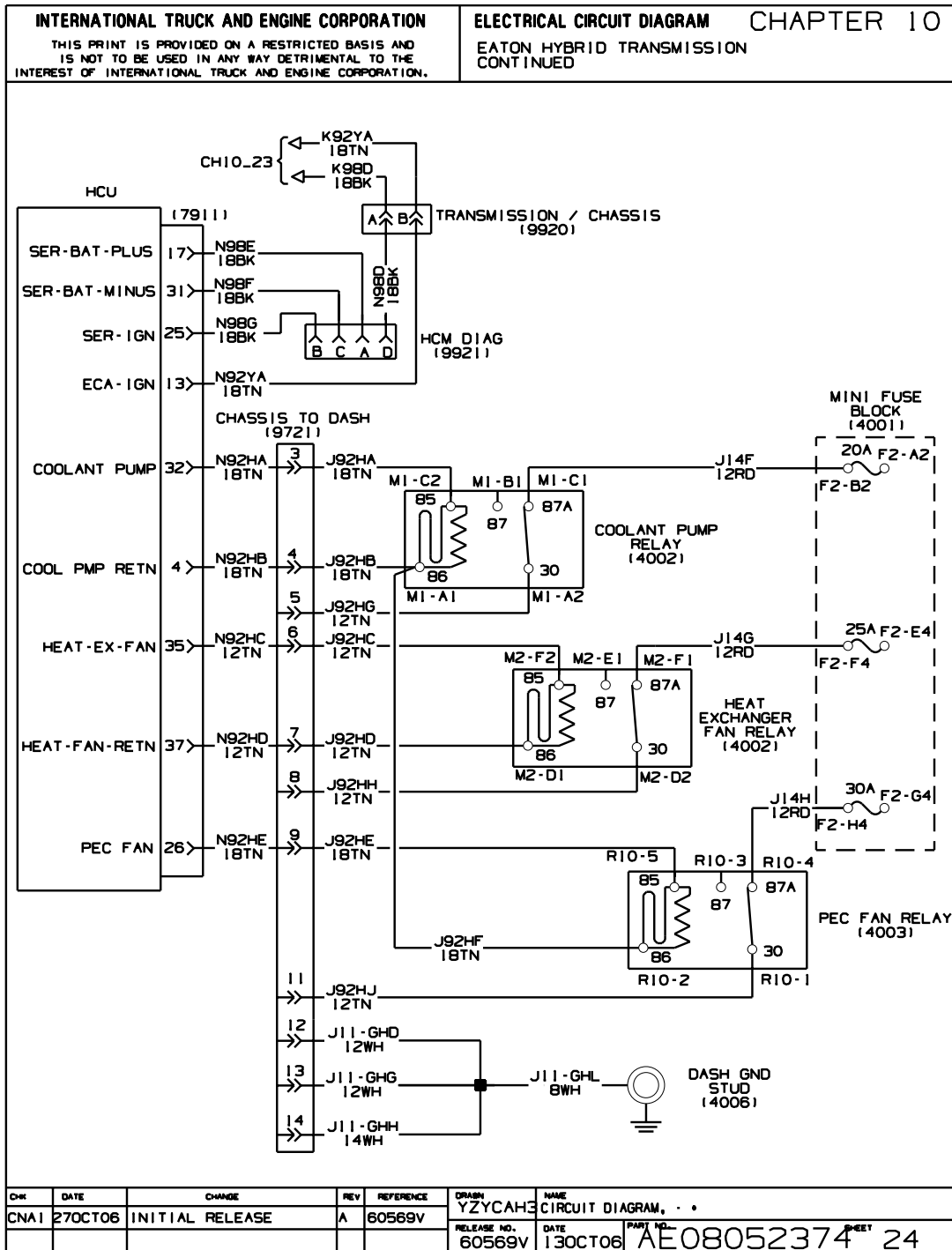


Figure 186 Eaton Hybrid Transmission

10.30. EATON HYBRID TRANSMISSION, P. 25

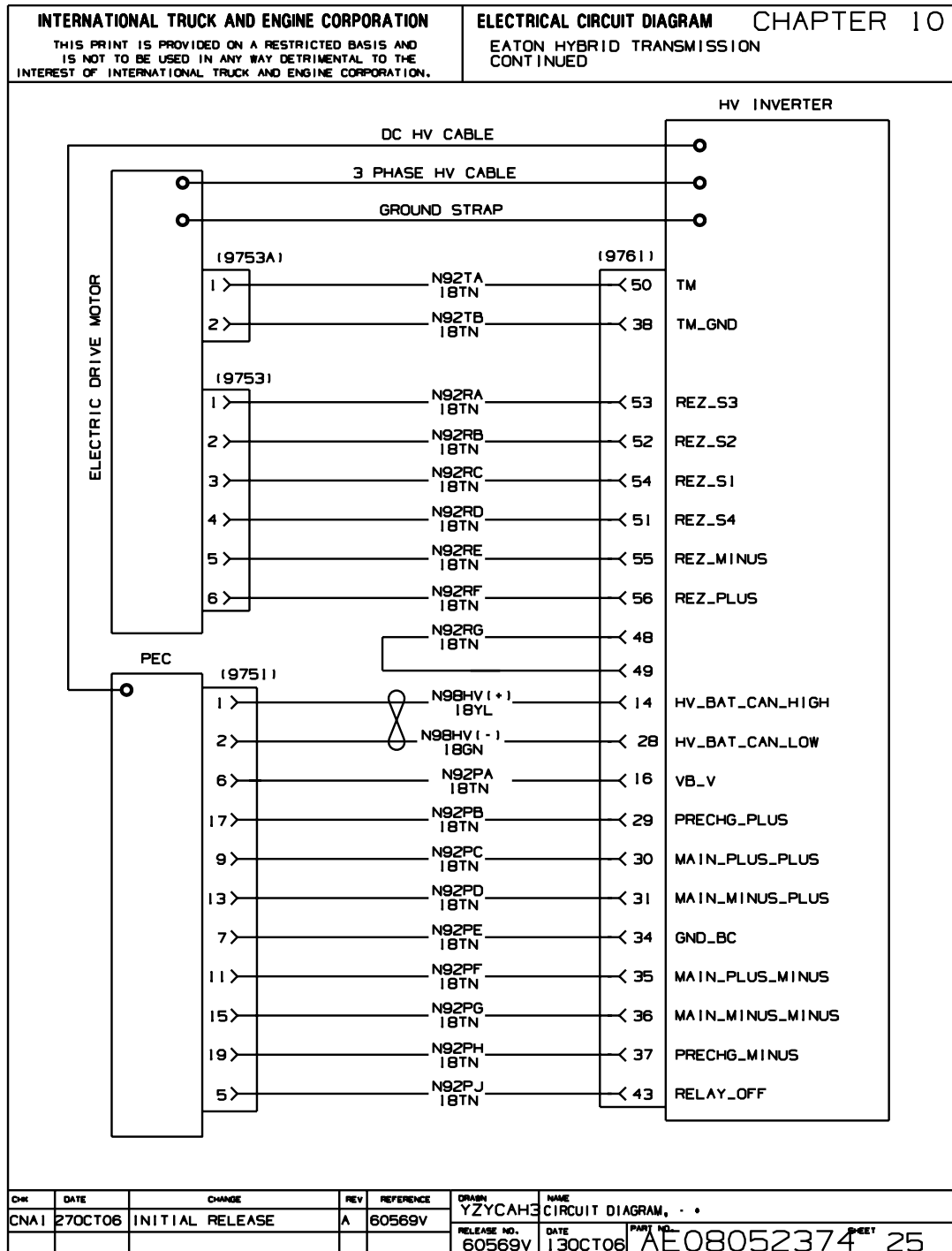


Figure 187 Eaton Hybrid Transmission

10.31. EATON HYBRID TRANSMISSION, P. 26

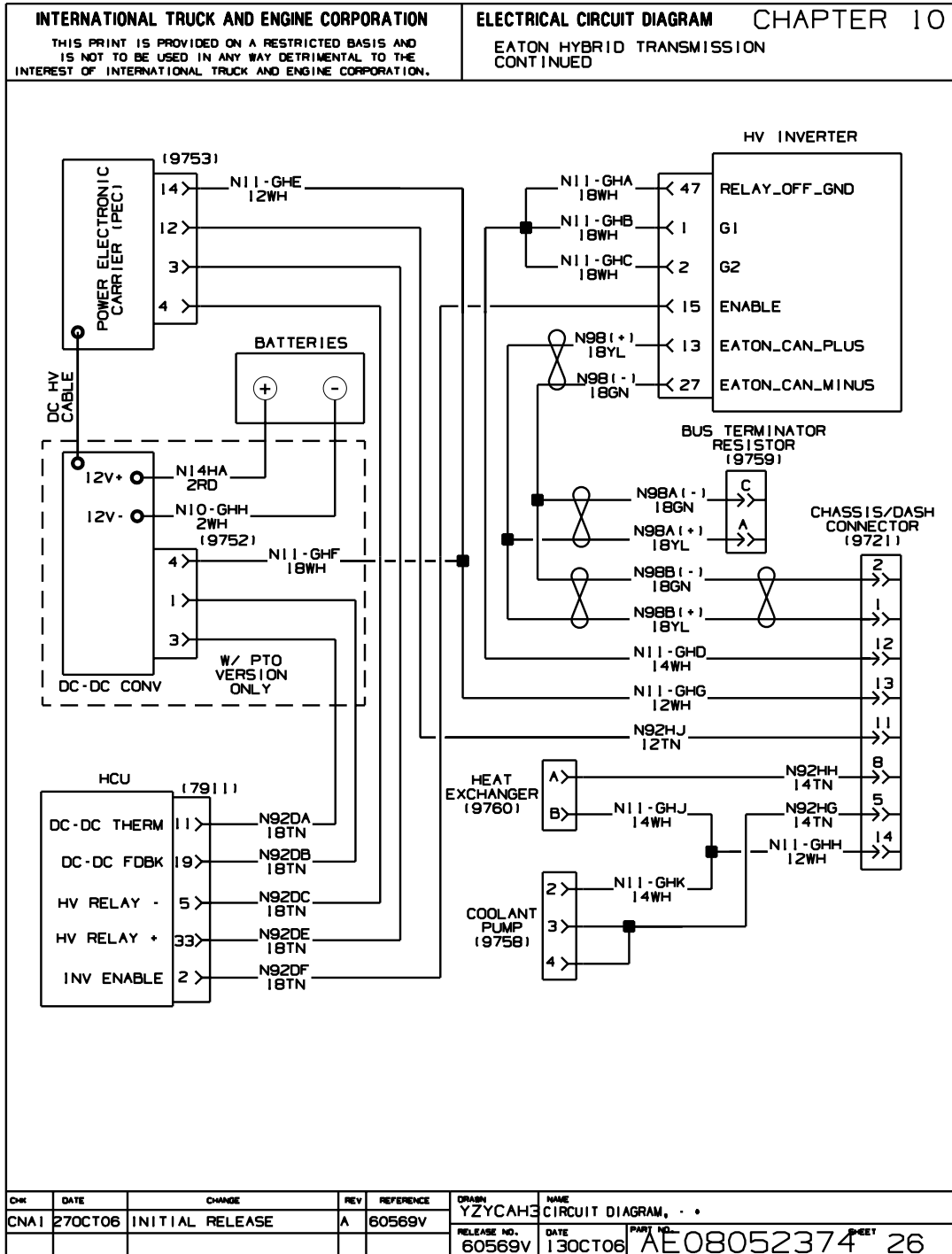


Figure 188 Eaton Hybrid Transmission

10.32. TRANSFER CASE — WITH MXT, P. 27

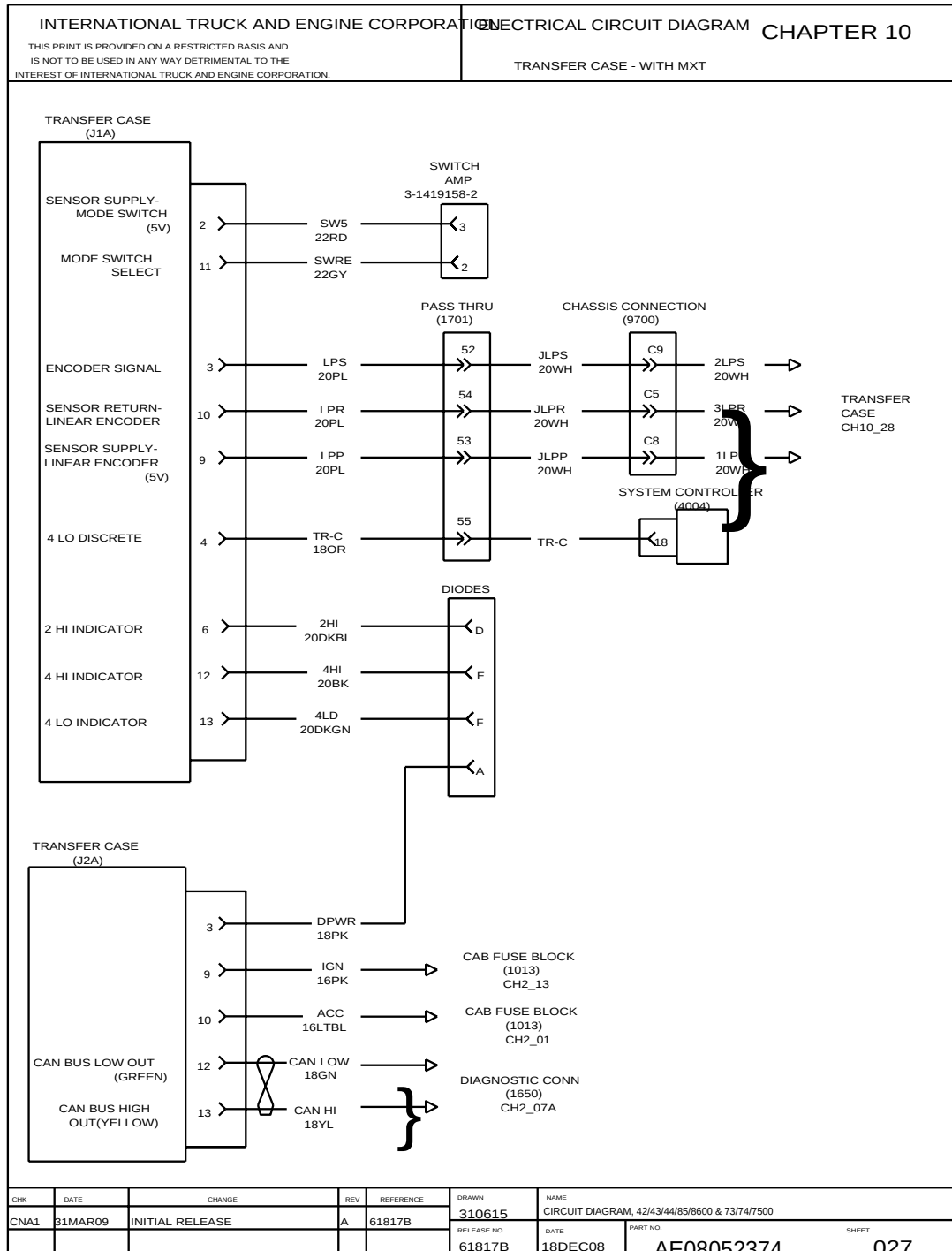


Figure 189 Transfer Case — with MXT

10.33. TRANSFER CASE — WITH MXT, P. 28

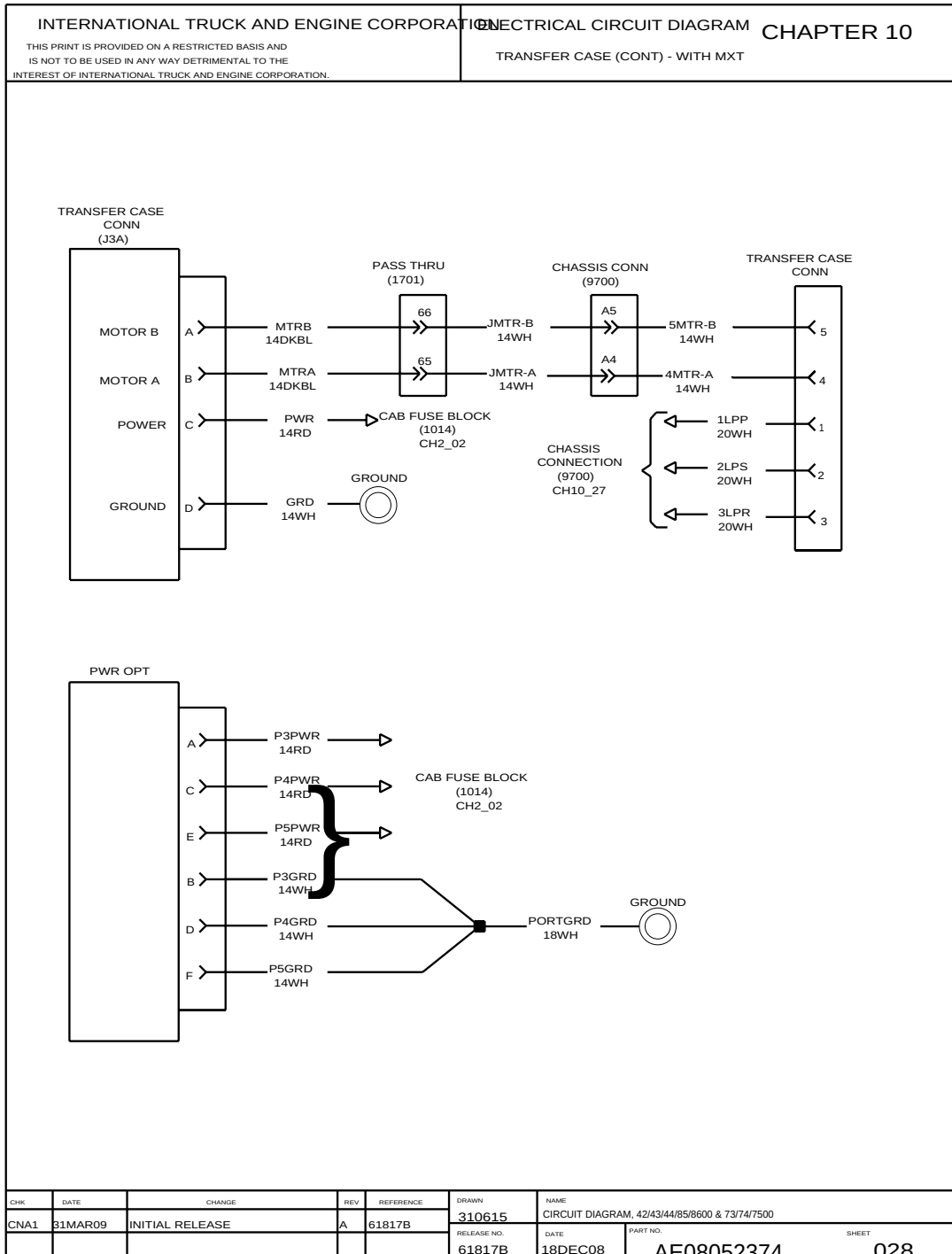


Figure 190 Transfer Case — with MXT

11. AIR CONDITIONING (CHAPTER 11)

11.1. HVAC SYSTEMS, P. 1

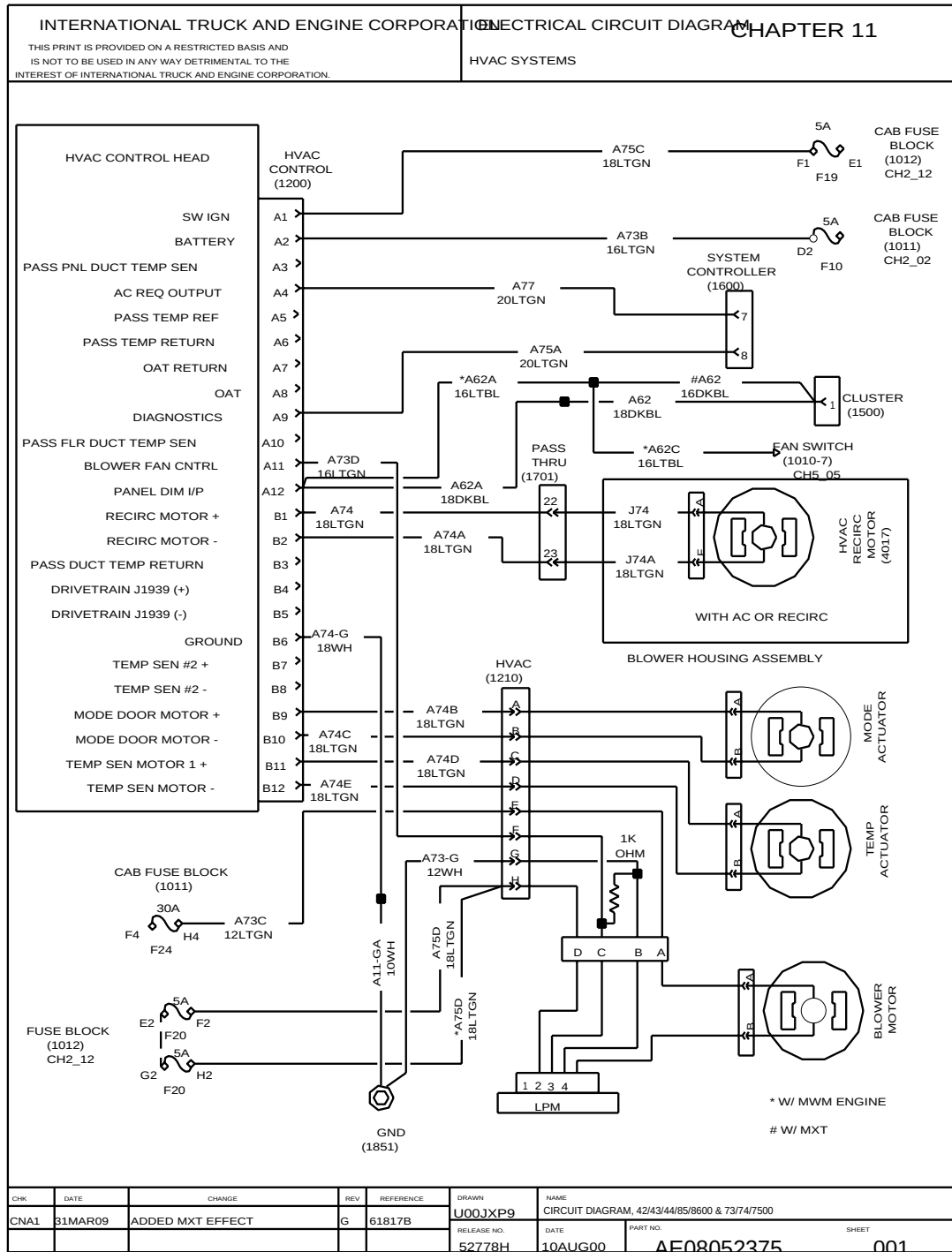


Figure 191 HVAC Systems

11.2. AIR CONDITIONING, P. 2

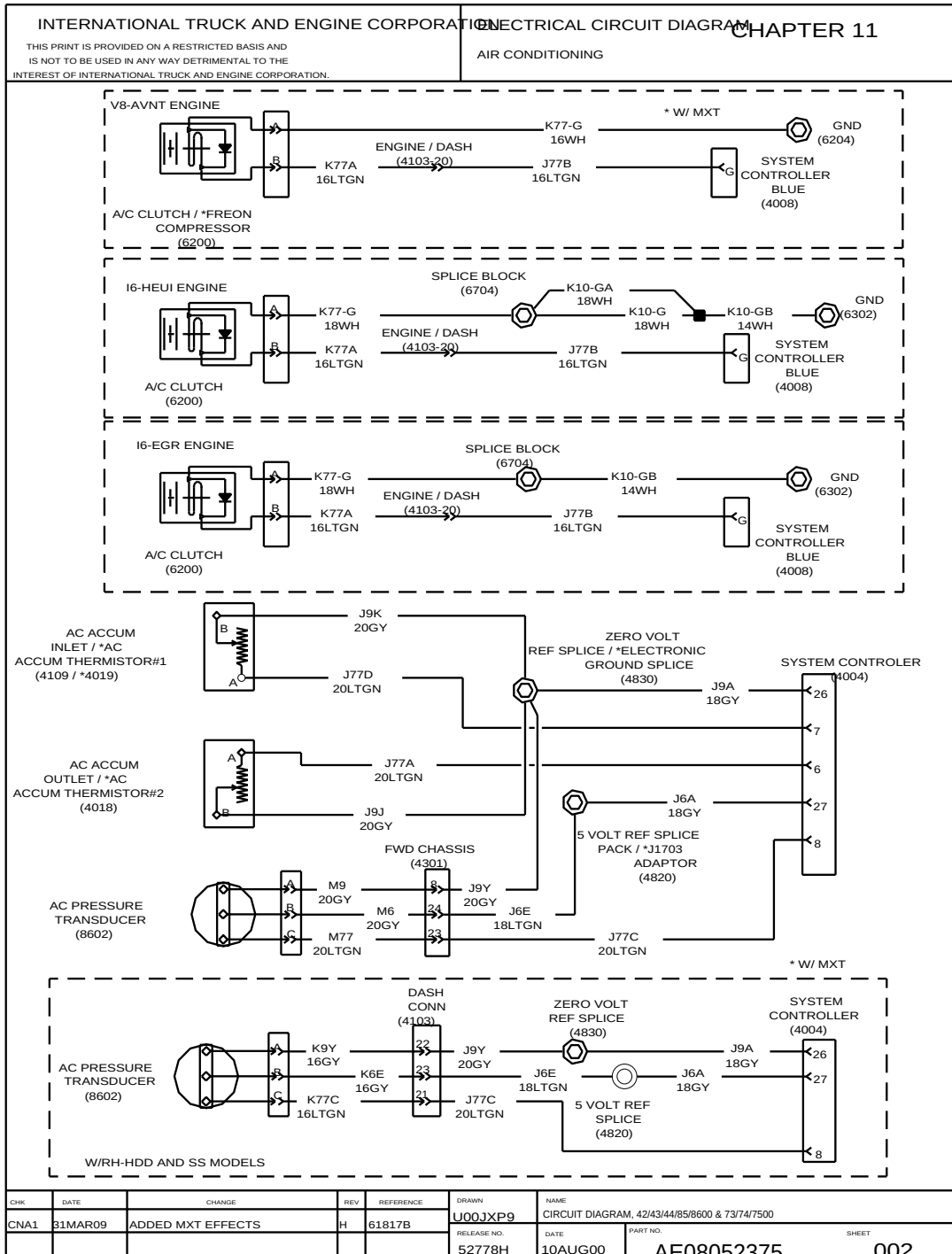


Figure 192 Air Conditioning

11.3. AUTOTHERM SYSTEMS, P. 3

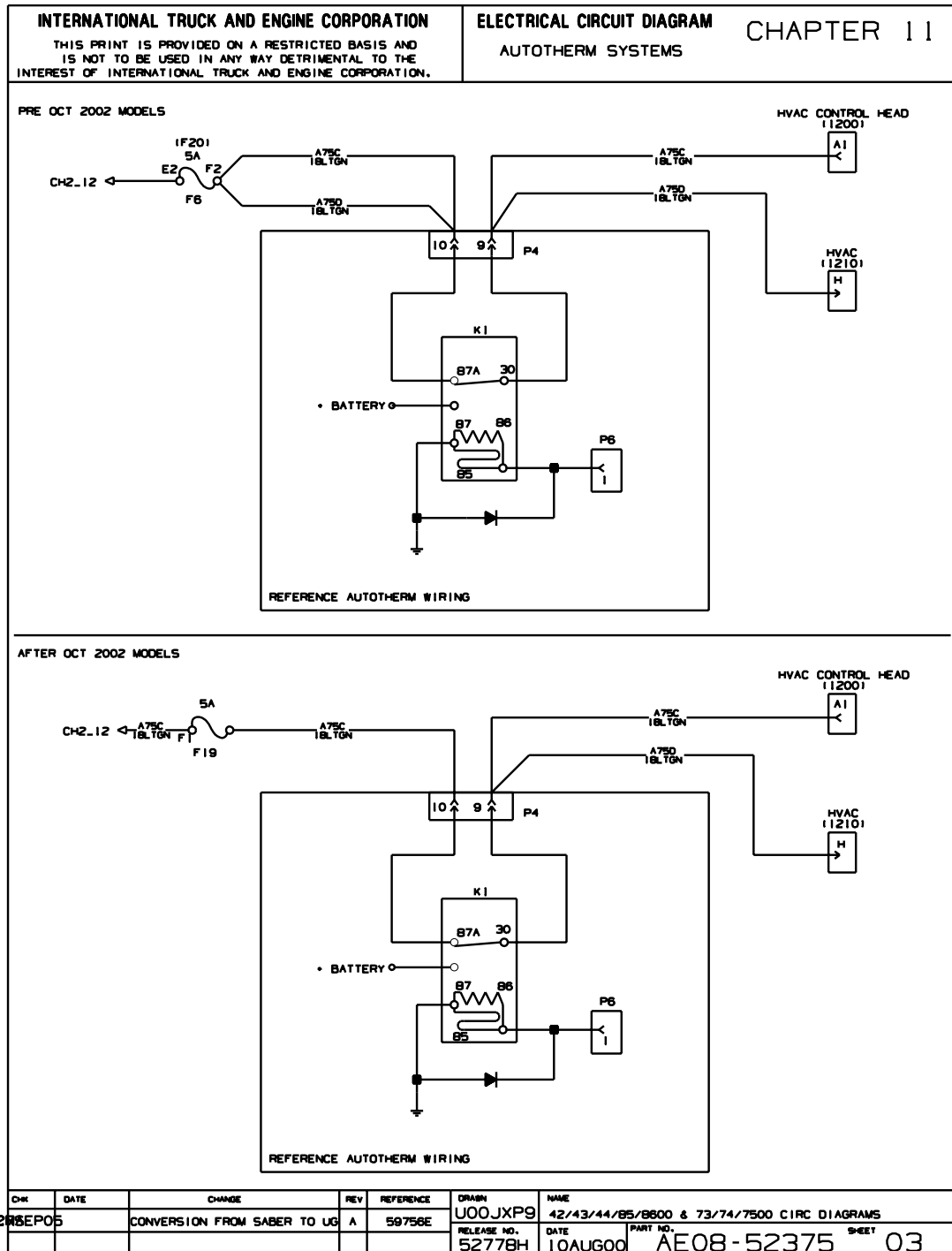


Figure 193 Autotherm Systems

12. CONNECTOR COMPOSITES (CHAPTER 12)

12.1. CONNECTOR COMPOSITES (10M), (71), (72), (345F), P. 1

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																											
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																											
AUXILIARY POWER (10M) (LOCATED IN INSTRUMENT PANEL)																																																																															
CONNECTOR - 1661197C1 CIGAR LIGHTER TYPE <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A86M</td> <td>14</td> <td>LT GN</td> <td>3534167C1</td> </tr> <tr> <td>B</td> <td>A86-GA</td> <td>14</td> <td>WH</td> <td>3534167C1</td> </tr> </tbody> </table> TWO POST TYPE <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A86N</td> <td>14</td> <td>LT GN</td> <td>3534167C1</td> </tr> <tr> <td>B</td> <td>A86-GB</td> <td>14</td> <td>WH</td> <td>3534167C1</td> </tr> </tbody> </table> CONNECTOR - 1661196C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A86M</td> <td>14</td> <td>LT GN</td> <td>1661209C1</td> </tr> <tr> <td>B</td> <td>A86-GA</td> <td>14</td> <td>WH</td> <td>1661209C1</td> </tr> </tbody> </table>								CAV	CIR	GAUGE	COLOR	TERM	A	A86M	14	LT GN	3534167C1	B	A86-GA	14	WH	3534167C1	CAV	CIR	GAUGE	COLOR	TERM	A	A86N	14	LT GN	3534167C1	B	A86-GB	14	WH	3534167C1	CAV	CIR	GAUGE	COLOR	TERM	A	A86M	14	LT GN	1661209C1	B	A86-GA	14	WH	1661209C1																											
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CONNECTOR - 1661375C2 BODY LOCK - 1661376C1 PLUG - 0587579C1 STOP & TAIL LIGHT TO LIGHT <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>S71C</td> <td>14</td> <td>LT BL</td> <td>2033816C1</td> <td>0589391C1</td> </tr> <tr> <td>B</td> <td>S68C</td> <td>14</td> <td>BN</td> <td>2033816C1</td> <td>0589391C1</td> </tr> <tr> <td>C</td> <td>S57B</td> <td>14</td> <td>LT GN</td> <td>2033816C1</td> <td>0589391C1</td> </tr> <tr> <td>D</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>E</td> <td>S10-GC</td> <td>14</td> <td>WH</td> <td>2033816C1</td> <td>0589391C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	S71C	14	LT BL	2033816C1	0589391C1	B	S68C	14	BN	2033816C1	0589391C1	C	S57B	14	LT GN	2033816C1	0589391C1	D	PLUG	-	-	-	-	E	S10-GC	14	WH	2033816C1	0589391C1	CONNECTOR - 1661375C2 BODY LOCK - 1661376C1 PLUG - 0587579C1 STOP & TAIL LIGHT TO LIGHT <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>S71C</td> <td>14</td> <td>LT BL</td> <td>2033816C1</td> <td>0589391C1</td> </tr> <tr> <td>B</td> <td>S68C</td> <td>14</td> <td>BN</td> <td>2033816C1</td> <td>0589391C1</td> </tr> <tr> <td>C</td> <td>S57B</td> <td>14</td> <td>LT GN</td> <td>2033816C1</td> <td>0589391C1</td> </tr> <tr> <td>D</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>E</td> <td>S10-GC</td> <td>14</td> <td>WH</td> <td>2033816C1</td> <td>0589391C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	S71C	14	LT BL	2033816C1	0589391C1	B	S68C	14	BN	2033816C1	0589391C1	C	S57B	14	LT GN	2033816C1	0589391C1	D	PLUG	-	-	-	-	E	S10-GC	14	WH	2033816C1	0589391C1
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CLEARANCE LIGHT (345F) (LOCATED IN ROOF OF CAB)																																																																															
CONNECTOR - 1661260C1 BODY LOCK - 1661264C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>S8A</td> <td>18</td> <td>BN</td> <td>1661261C1</td> </tr> <tr> <td>B</td> <td>S8-GA</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> </tbody> </table>								CAV	CIR	GAUGE	COLOR	TERM	A	S8A	18	BN	1661261C1	B	S8-GA	18	WH	1661261C1																																																									
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						28JUN00	AE08-52376 01																																																																								

Figure 194 Connector Composites (10M), (71), (72), (345F)

12.2. CONNECTOR COMPOSITES (420F), (421F), (422M), (520), (521), (522), (523), (524), P. 2

INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12 CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																						
SHIFT SELECTOR (420F) (LOCATED IN INSTRUMENT PANEL) CONNECTOR - 3522536C1 BODY LOCK - 3518287C1 PLUG - 3518314C1  <table border="1" style="margin-top: 10px; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>A170</td><td>18</td><td>OR</td><td>3517243C1</td></tr> <tr><td>B</td><td>A171</td><td>18</td><td>LT GN</td><td>3517243C1</td></tr> <tr><td>C</td><td>A172</td><td>18</td><td>DK BL</td><td>3517243C1</td></tr> <tr><td>D</td><td>A173</td><td>18</td><td>YL</td><td>3517243C1</td></tr> <tr><td>E</td><td>A174</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>L</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>M</td><td>A175</td><td>18</td><td>LT GN</td><td>3517243C1</td></tr> <tr><td>N</td><td>A124</td><td>18</td><td>PK</td><td>3517243C1</td></tr> <tr><td>P</td><td>A1430</td><td>18</td><td>GY</td><td>3517243C1</td></tr> <tr><td>R</td><td>A1360</td><td>18</td><td>PK</td><td>3517243C1</td></tr> <tr><td>S</td><td>A180</td><td>18</td><td>DK BL</td><td>3517243C1</td></tr> <tr><td>T</td><td>A186</td><td>18</td><td>DK BL</td><td>3517243C1</td></tr> <tr><td>U</td><td>A62L</td><td>18</td><td>DK BL</td><td>3517243C1</td></tr> <tr><td>V</td><td>A188</td><td>18</td><td>DK BL</td><td>3517243C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	A170	18	OR	3517243C1	B	A171	18	LT GN	3517243C1	C	A172	18	DK BL	3517243C1	D	A173	18	YL	3517243C1	E	A174	18	TN	3517243C1	L	-	-	-	-	M	A175	18	LT GN	3517243C1	N	A124	18	PK	3517243C1	P	A1430	18	GY	3517243C1	R	A1360	18	PK	3517243C1	S	A180	18	DK BL	3517243C1	T	A186	18	DK BL	3517243C1	U	A62L	18	DK BL	3517243C1	V	A188	18	DK BL	3517243C1	FELSTED SHIFTER PARK BRAKE (421F) (LOCATED IN INSTRUMENT PANEL) CONNECTOR - 1667741C1 BODY LOCK - 1667771C1  <table border="1" style="margin-top: 10px; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>A82-GC</td><td>18</td><td>WH</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>A92AF</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>C</td><td>A92AG</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	A82-GC	18	WH	1661875C1	1661872C1	B	A92AF	18	TN	1661875C1	1661872C1	C	A92AG	18	TN	1661875C1	1661872C1
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N	A124	18	PK	3517243C1																																																																																																						
P	A1430	18	GY	3517243C1																																																																																																						
R	A1360	18	PK	3517243C1																																																																																																						
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U	A62L	18	DK BL	3517243C1																																																																																																						
V	A188	18	DK BL	3517243C1																																																																																																						
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																					
A	A82-GC	18	WH	1661875C1	1661872C1																																																																																																					
B	A92AF	18	TN	1661875C1	1661872C1																																																																																																					
C	A92AG	18	TN	1661875C1	1661872C1																																																																																																					
SHIFTER (422M) (LOCATED IN INSTRUMENT PANEL) CONNECTOR - 3540756C1 BODY LOCK - 3540756C1 BODY LOCK2 - 3540756C1  <table border="1" style="margin-top: 10px; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>A92VA</td><td>18</td><td>PK</td><td>1667742C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>A128D</td><td>18</td><td>YL</td><td>1667742C1</td><td>3568570C1</td></tr> <tr><td>C</td><td>A123</td><td>18</td><td>PK</td><td>1667742C1</td><td>1661872C1</td></tr> <tr><td>D</td><td>A110</td><td>18</td><td>YL</td><td>1667742C1</td><td>1661872C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	A92VA	18	PK	1667742C1	1661872C1	B	A128D	18	YL	1667742C1	3568570C1	C	A123	18	PK	1667742C1	1661872C1	D	A110	18	YL	1667742C1	1661872C1	CLEARANCE LIGHT (520) (LOCATED IN SUNSHADE) CONNECTOR - 1661259C1 BODY LOCK - 1661263C1  <table border="1" style="margin-top: 10px; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>58B</td><td>18</td><td>BN</td><td>1661261C1</td></tr> <tr><td>B</td><td>58-GB</td><td>18</td><td>WH</td><td>1661261C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	58B	18	BN	1661261C1	B	58-GB	18	WH	1661261C1																																																						
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B	58-GB	18	WH	1661261C1																																																																																																						
CLEARANCE LIGHT (521) (LOCATED IN SUNSHADE) CONNECTOR - 1661259C1 BODY LOCK - 1661263C1  <table border="1" style="margin-top: 10px; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>58C</td><td>18</td><td>BN</td><td>1661261C1</td></tr> <tr><td>B</td><td>58-GC</td><td>18</td><td>WH</td><td>1661261C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	58C	18	BN	1661261C1	B	58-GC	18	WH	1661261C1	CLEARANCE LIGHT (522) (LOCATED IN SUNSHADE) CONNECTOR - 1661259C1 BODY LOCK - 1661263C1  <table border="1" style="margin-top: 10px; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>58D</td><td>18</td><td>BN</td><td>1661261C1</td></tr> <tr><td>B</td><td>58-GD</td><td>18</td><td>WH</td><td>1661261C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	58D	18	BN	1661261C1	B	58-GD	18	WH	1661261C1																																																																					
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B	58-GD	18	WH	1661261C1																																																																																																						
CLEARANCE LIGHT (523) (LOCATED IN SUNSHADE) CONNECTOR - 1661259C1 BODY LOCK - 1661263C1  <table border="1" style="margin-top: 10px; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>58E</td><td>18</td><td>BN</td><td>1661261C1</td></tr> <tr><td>B</td><td>58-GE</td><td>18</td><td>WH</td><td>1661261C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	58E	18	BN	1661261C1	B	58-GE	18	WH	1661261C1	CLEARANCE LIGHT (524) (LOCATED IN SUNSHADE) CONNECTOR - 1661259C1 BODY LOCK - 1661263C1  <table border="1" style="margin-top: 10px; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>58F</td><td>18</td><td>BN</td><td>1661261C1</td></tr> <tr><td>B</td><td>58-GF</td><td>18</td><td>WH</td><td>1661261C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	58F	18	BN	1661261C1	B	58-GF	18	WH	1661261C1																																																																					
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		P/N WAS 3540757C1			RELEASE NO.	DATE	PART NO.																																																																																																			
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Figure 195 Connector Composites (420F), (421F), (422M), (520), (521), (522), (523), (524)

12.3. CONNECTOR COMPOSITES (734M), (1002), (1003), P. 3

INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12 CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																												
XATA COMPUTER PROVISION (734M)  CONNECTOR - 1667305C1 LOCK (2) - 1661263C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr><td>A</td><td>A14Z</td><td>18</td><td>RD</td><td>1661261C1</td></tr> <tr><td>B</td><td>A11-GZ</td><td>18</td><td>WH</td><td>1661261C1</td></tr> <tr><td>C</td><td>A98(+)</td><td>18</td><td>DK BL</td><td>1661261C1</td></tr> <tr><td>D</td><td>A98(-)</td><td>18</td><td>GY</td><td>1661261C1</td></tr> </tbody> </table>						CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A14Z	18	RD	1661261C1	B	A11-GZ	18	WH	1661261C1	C	A98(+)	18	DK BL	1661261C1	D	A98(-)	18	GY	1661261C1																																																		
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PANEL LIGHT ADAPTER (1002) (LOCATED IN INSTRUMENT PANEL)  CONNECTOR - 2007315C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr><td>A</td><td>A62N</td><td>16</td><td>DKBL</td><td>1661209C1</td></tr> <tr><td>B</td><td>A62J</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr> <tr><td>B</td><td>A62L</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr> <tr><td>B*</td><td>A62KB</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr> <tr><td>B**</td><td>A62</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr> <tr><td>C</td><td>A62P</td><td>18</td><td>LTBL</td><td>1661208C1</td></tr> <tr><td>C*</td><td>A62KA</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr> <tr><td>D</td><td>A62D</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr> <tr><td>E</td><td>A62R</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr> <tr><td>F</td><td>A21B</td><td>16</td><td>TN</td><td>1661209C1</td></tr> <tr><td>G</td><td>A62F</td><td>18</td><td>DKBL</td><td>1661208C1</td></tr> <tr><td>H</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>J</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>K</td><td>A62</td><td>18</td><td>GY</td><td>1661208C1</td></tr> </tbody> </table> NOTE: A62L USED WITH WTEC TRANSMISSION A62J USED WITH EATON AUTO SHIFT • W/ 5TH WHEEL OPTION ** W/ COMMUNICATIONS SYSTEM, AWARE						CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A62N	16	DKBL	1661209C1	B	A62J	18	DKBL	1661208C1	B	A62L	18	DKBL	1661208C1	B*	A62KB	18	DKBL	1661208C1	B**	A62	18	DKBL	1661208C1	C	A62P	18	LTBL	1661208C1	C*	A62KA	18	DKBL	1661208C1	D	A62D	18	DKBL	1661208C1	E	A62R	18	DKBL	1661208C1	F	A21B	16	TN	1661209C1	G	A62F	18	DKBL	1661208C1	H	-	-	-	-	J	-	-	-	-	K	A62	18	GY	1661208C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																																												
A	A62N	16	DKBL	1661209C1																																																																												
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B*	A62KB	18	DKBL	1661208C1																																																																												
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K	A62	18	GY	1661208C1																																																																												
GROUND ADAPTER (1003) (LOCATED IN INSTRUMENT PANEL)  CONNECTOR - 2007315C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIRCUIT</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr><td>A</td><td>A11-GAL</td><td>12</td><td>WH</td><td>1661211C1</td></tr> <tr><td>B</td><td>A11-GBA</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>C</td><td>A62-GD</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>C</td><td>A62-GC</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>D</td><td>A23-GA</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>D*</td><td>A59-GC</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>E</td><td>A11-GDY</td><td>12</td><td>WH</td><td>1661211C1</td></tr> <tr><td>F</td><td>A62-GF</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>F*</td><td>A62-GK</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>G</td><td>A21-G</td><td>16</td><td>WH</td><td>1661209C1</td></tr> <tr><td>H</td><td>A41-G</td><td>18</td><td>WH</td><td>1661208C1</td></tr> <tr><td>J</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>K</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> NOTE: A62-GC USED WITH LCT TRANSMISSIONS A62-GD USED WITH WTEC TRANSMISSIONS • W/ 5TH WHEEL OPTION						CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A11-GAL	12	WH	1661211C1	B	A11-GBA	18	WH	1661208C1	C	A62-GD	18	WH	1661208C1	C	A62-GC	18	WH	1661208C1	D	A23-GA	18	WH	1661208C1	D*	A59-GC	18	WH	1661208C1	E	A11-GDY	12	WH	1661211C1	F	A62-GF	18	WH	1661208C1	F*	A62-GK	18	WH	1661208C1	G	A21-G	16	WH	1661209C1	H	A41-G	18	WH	1661208C1	J	-	-	-	-	K	-	-	-	-					
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Figure 196 Connector Composites (734M), (1002), (1003)

12.4. CONNECTOR COMPOSITES (1005), (1006), (1008), (1009), P. 3A

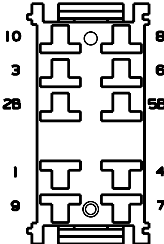
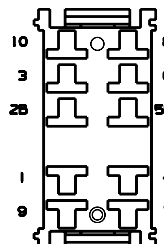
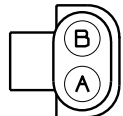
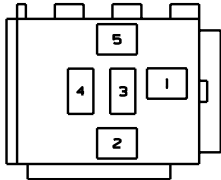
INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12 CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																																			
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Figure 197 Connector Composites (1005), (1006), (1008), (1009)

12.5. CONNECTOR COMPOSITES (1007), (1008), (1010), P. 3B

INTERNATIONAL TRUCK AND ENGINE CORPORATION

ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 12

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CONNECTOR COMPOSITES - MATING VIEW SHOWN

DATA LOGGING INDICATOR
(1007)

CONNECTOR 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2B	-	-	-	-
3	-	-	-	-
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7	A62A	1B	DKBL	1661224C1
8	A62	1B	DKBL	1661226C1
	A62B	1B	DKBL	1661224C1
9	A11-GF	1B	WH	1661224C1
	A11-GH	1B	WH	1661224C1
10	A11-GH	1B	WH	1661224C1

DATA LOGGING RELAY
(1008)

CONNECTOR 0593385C1
CONN LOCK 0593387C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A13B	1B	PK	2018946C1
2	A11-GJ	1B	WH	1661709C1
3	A62A	1B	DKBL	1661709C1
4	-	-	-	-
5	A74H	1B	VT	2018946C1

ETHER START (1010)
(LOCATED IN INSTRUMENT PANEL)

CONNECTOR - 3520850C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2B	A21C	1B	TN	1661226C1
3	A21E	1B	TN	1661226C1
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	A21B	1B	TN	1661226C1
9	-	-	-	-
10	A21-G	1B	WH	1661226C1

FAN SWITCH
(1010)

CONNECTOR - 2009385C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A23-GA	1B	WH	1661226C1
2	-	-	-	-
3	-	-	-	-
4	A23B	1B	TN	1661226C1
5	A23A	1B	TN	1661226C1
6	-	-	-	-
7	A62C	1B	LTBL	1661208C1
8	A23-GA	1B	WH	1661211C1
	A23-G	1B	WH	1661211C1

W/ MWM ENGINE

CHK	DATE	CHANGE	REV	REFERENCE	DRASH	NAME
041	7JAN09	ADDED MWM ENGINE	B	61280T	MJV008B	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	EFFECT				RELEASE NO. 60650P	DATE 12MAR07 PART NO. AE08-52376 SHEET 03B

Figure 198 Connector Composites (1007), (1008), (1010)

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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12.6. CONNECTOR COMPOSITE (1011), P. 4

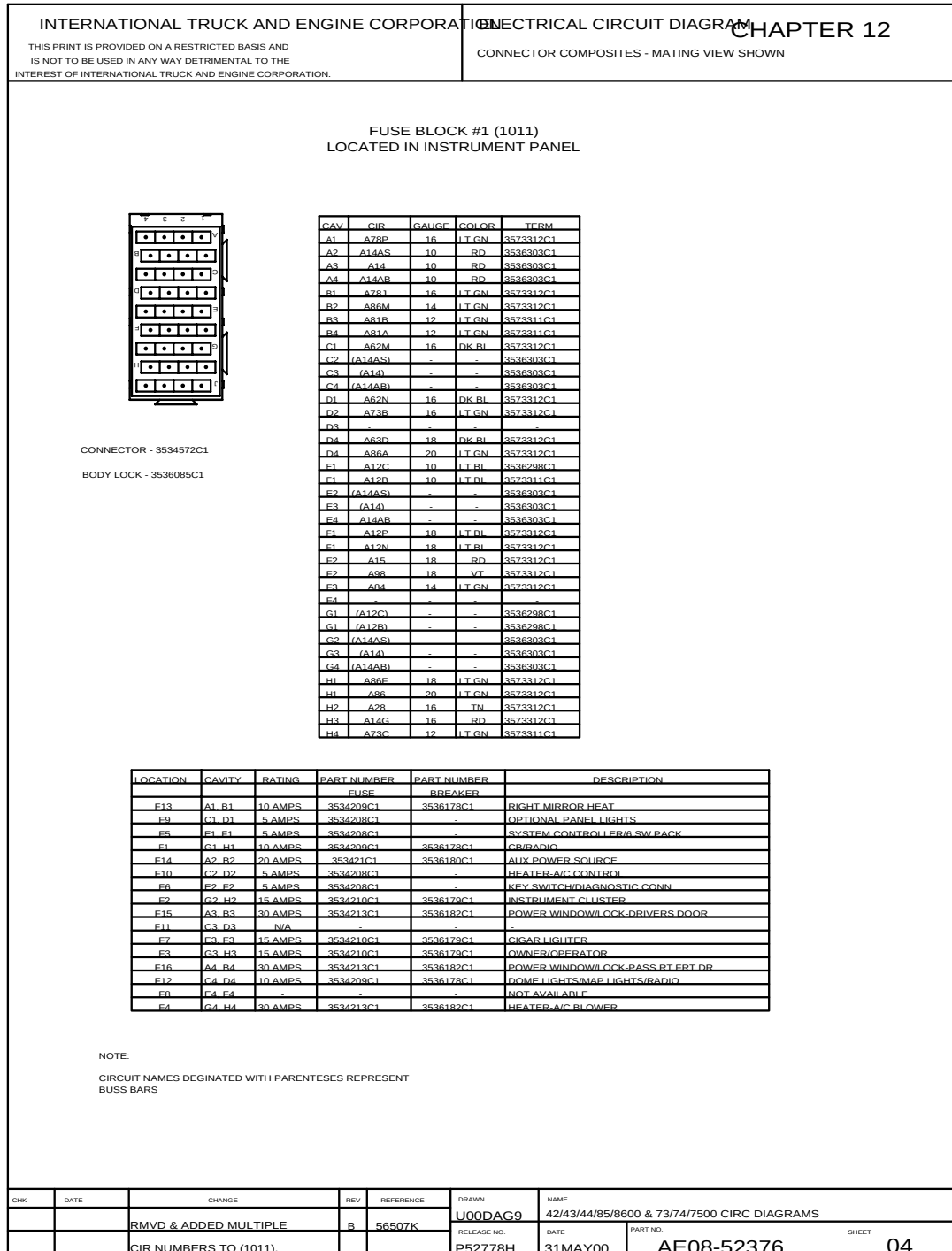


Figure 199 Connector Composite (1011)

12.7. CONNECTOR COMPOSITE (1012), P. 5

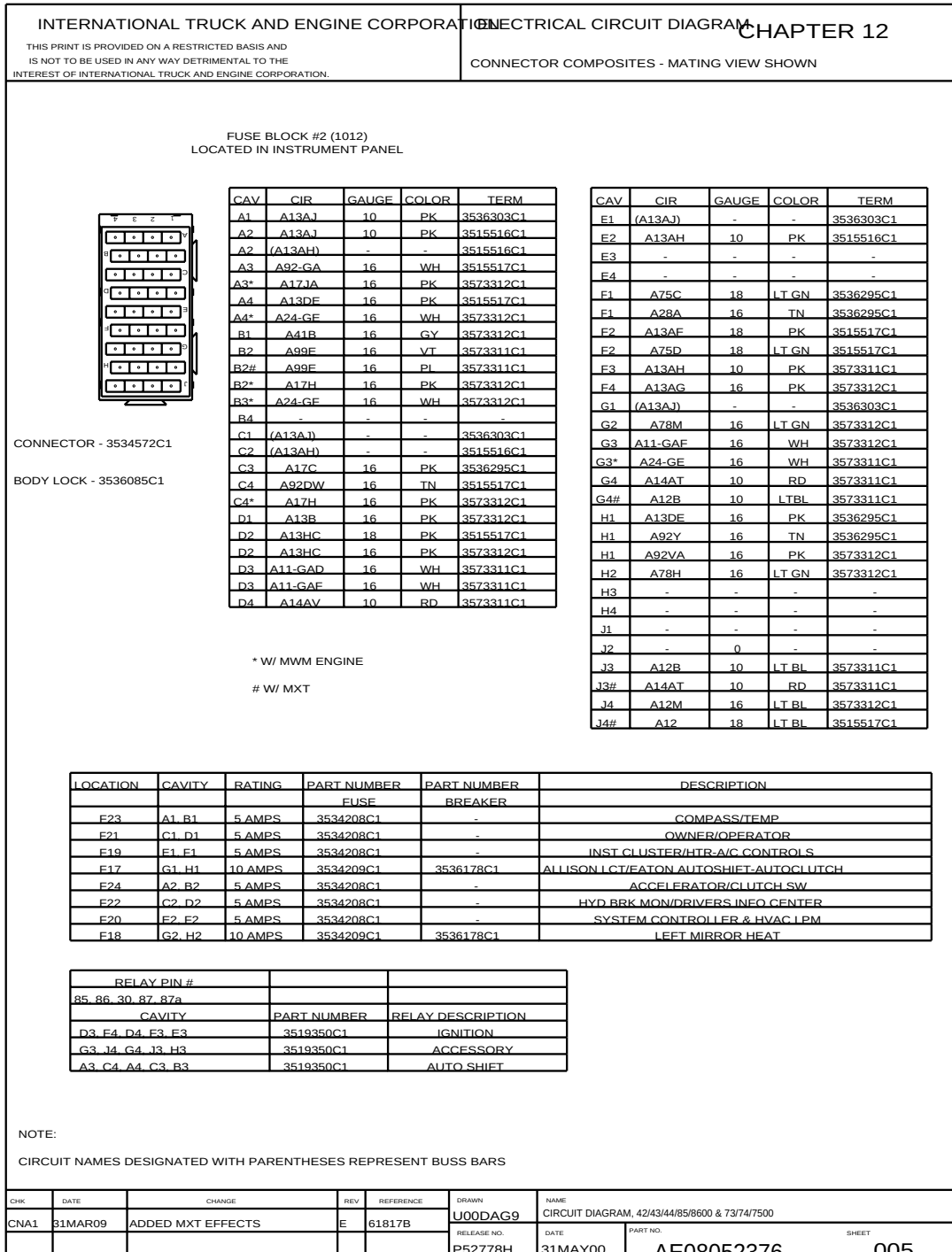


Figure 200 Connector Composite (1012)

3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

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12.8. CONNECTOR COMPOSITE (1013), P. 6

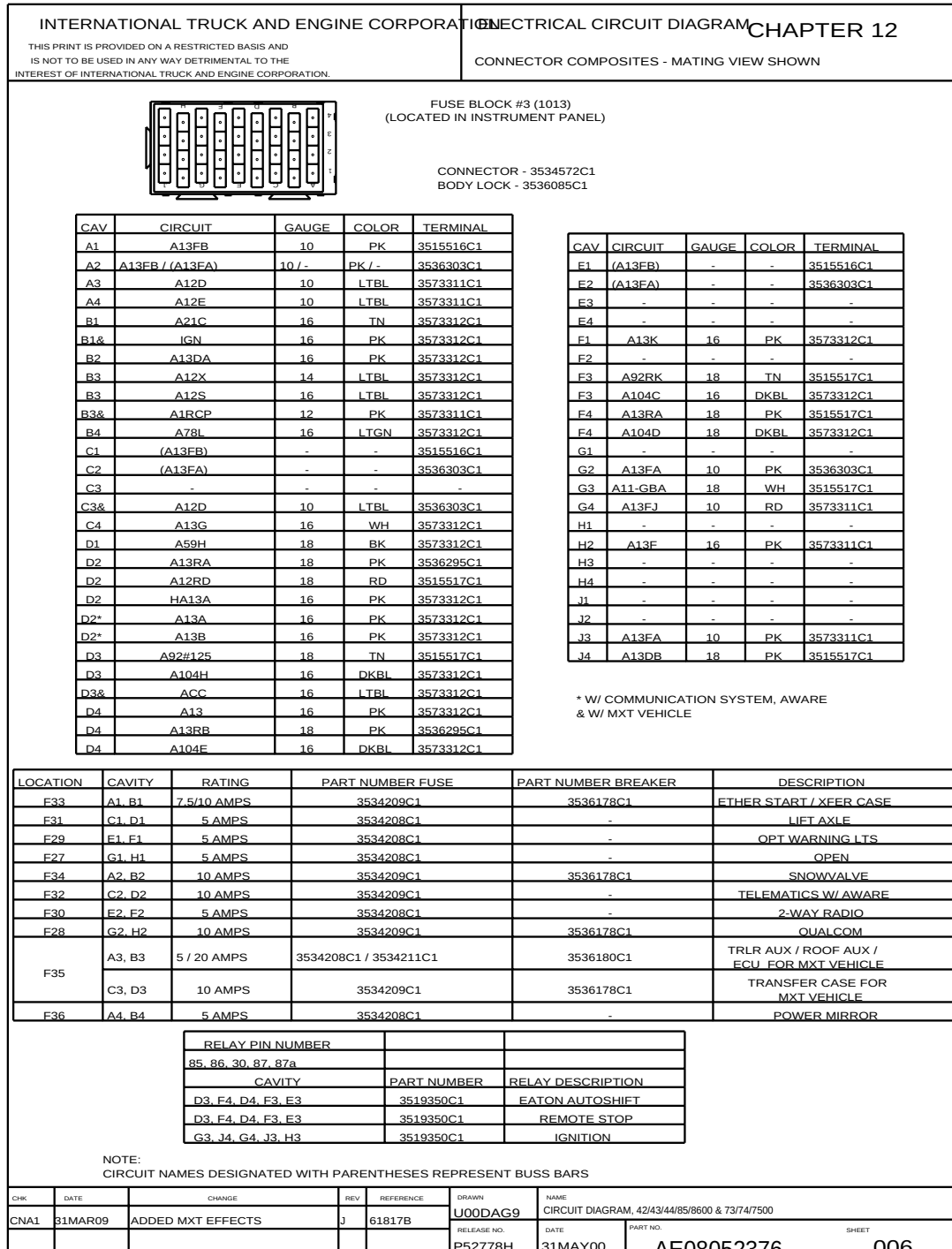


Figure 201 Connector Composite (1013)

12.9. CONNECTOR COMPOSITE (1014), P. 7

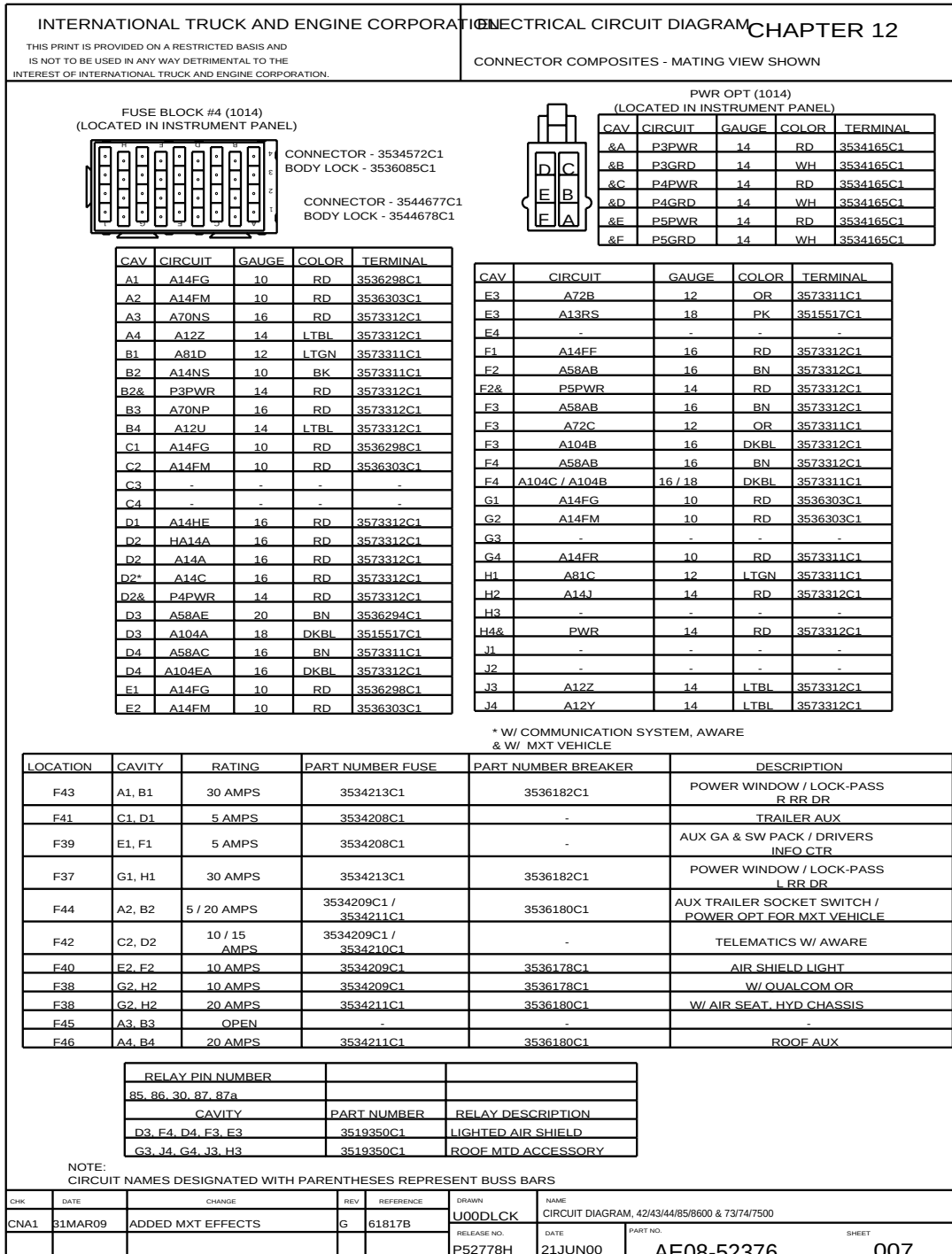


Figure 202 Connector Composite (1014)

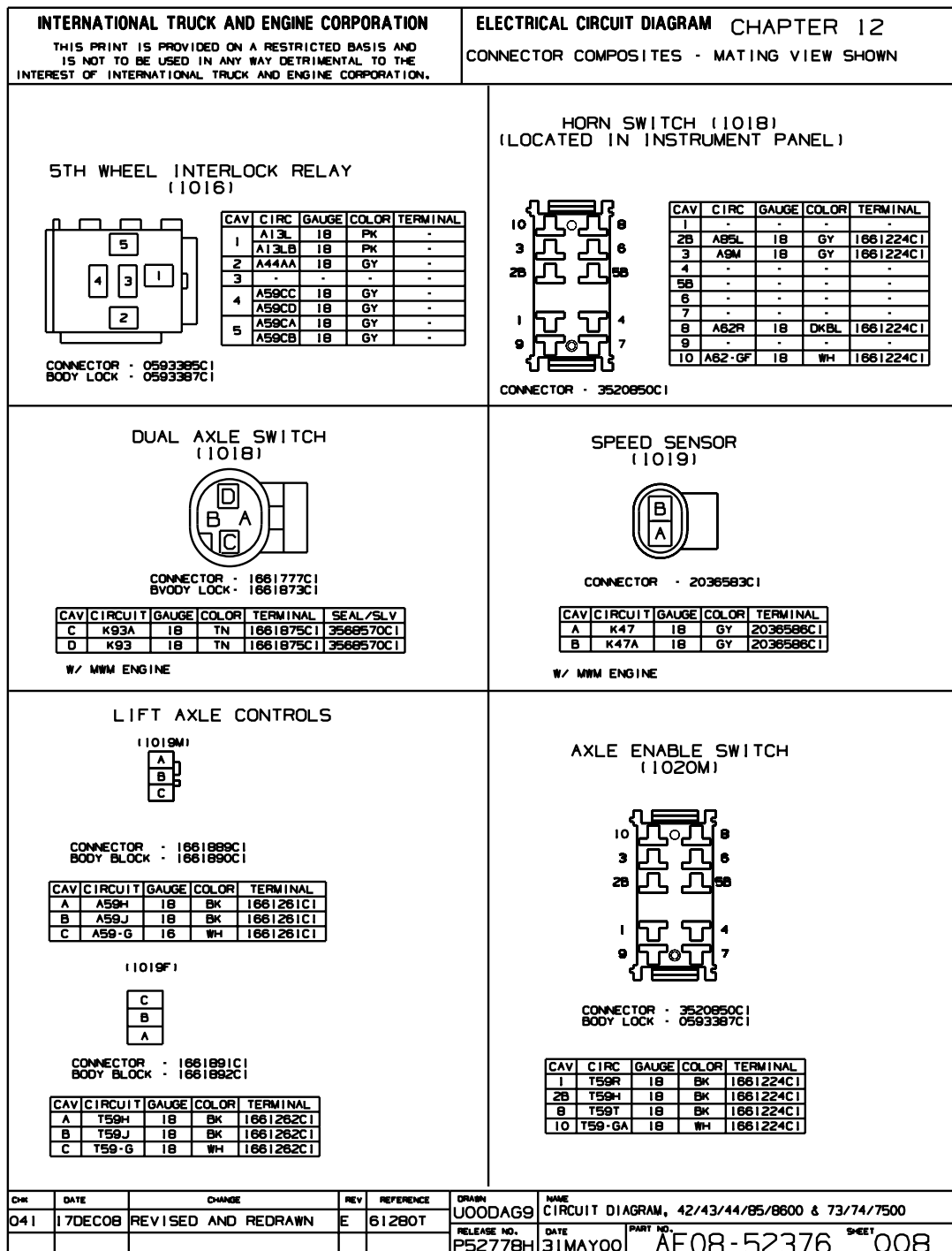
12.10. CONNECTOR COMPOSITES (1016), (1018), (1019), (1019F), (1019M), (1020M), P. 8

Figure 203 Connector Composites (1016), (1018), (1019), (1019F), (1019M), (1020M)

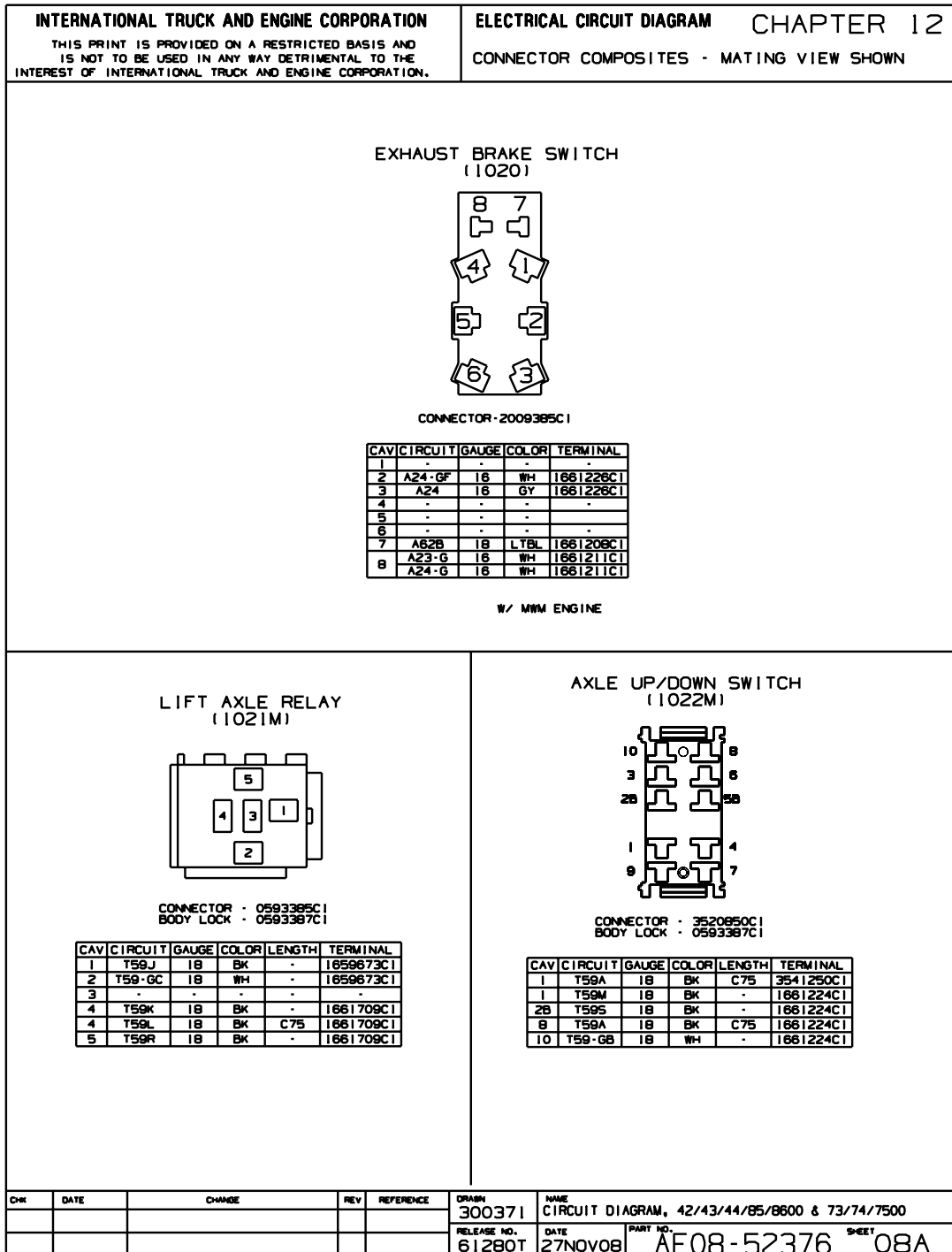
12.11. CONNECTOR COMPOSITES (1020), (1021M), (1022M), P. 8A

Figure 204 Connector Composites (1020), (1021M), (1022M)

3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

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12.12. CONNECTOR COMPOSITES (1027M, F), (1040), (1100), (1101A), (1101), (1102), P. 9

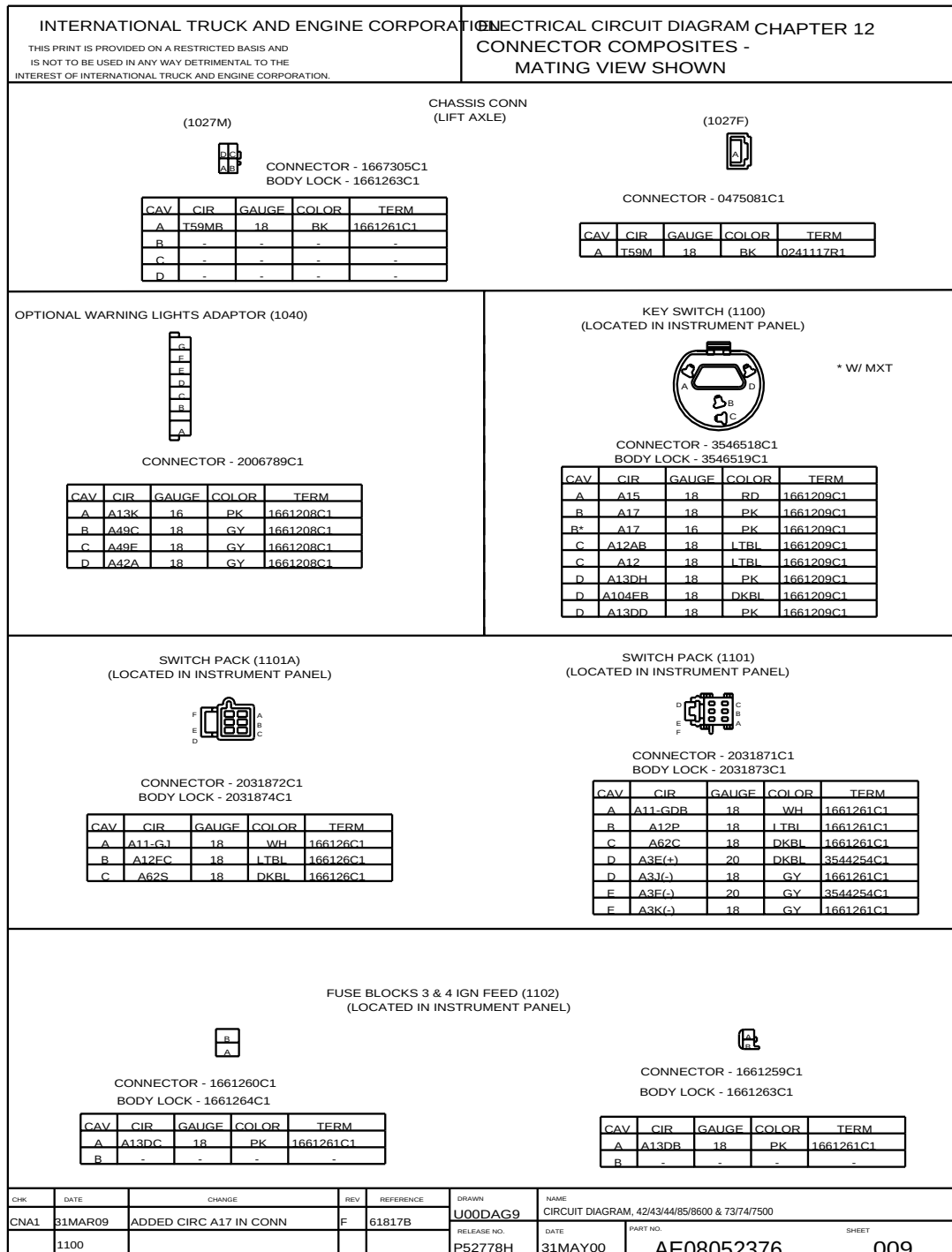


Figure 205 Connector Composites (1027M, F), (1040), (1100), (1101A), (1101), (1102)

12.13. CONNECTOR COMPOSITES (1104), (1105M), (1106), (1200), (1210), (1240), P. 10

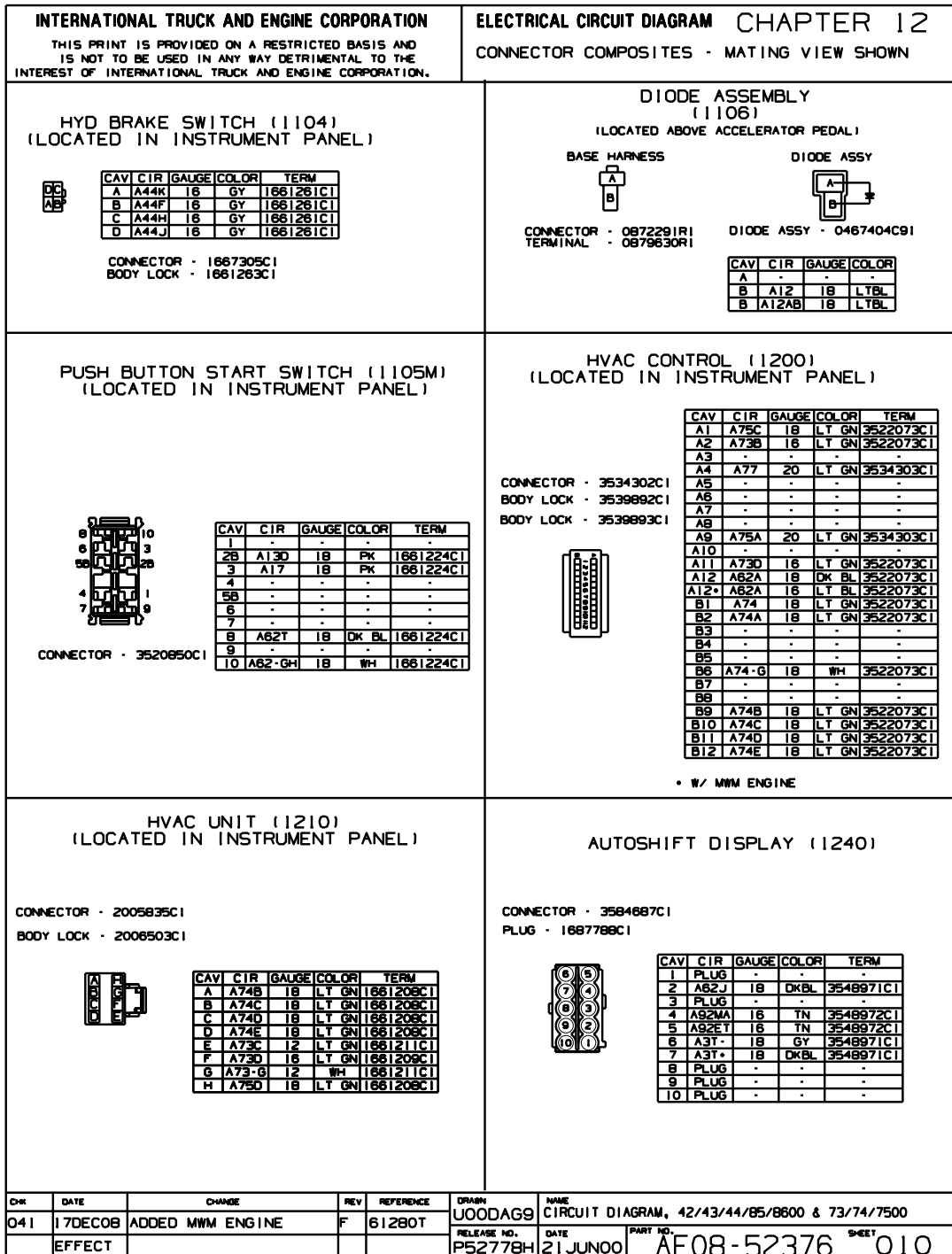


Figure 206 Connector Composites (1104), (1105M), (1106), (1200), (1210), (1240)

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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12.14. CONNECTOR COMPOSITES (1300), (1301), (1400), (1402), (1410), (1500), (1510), P. 11

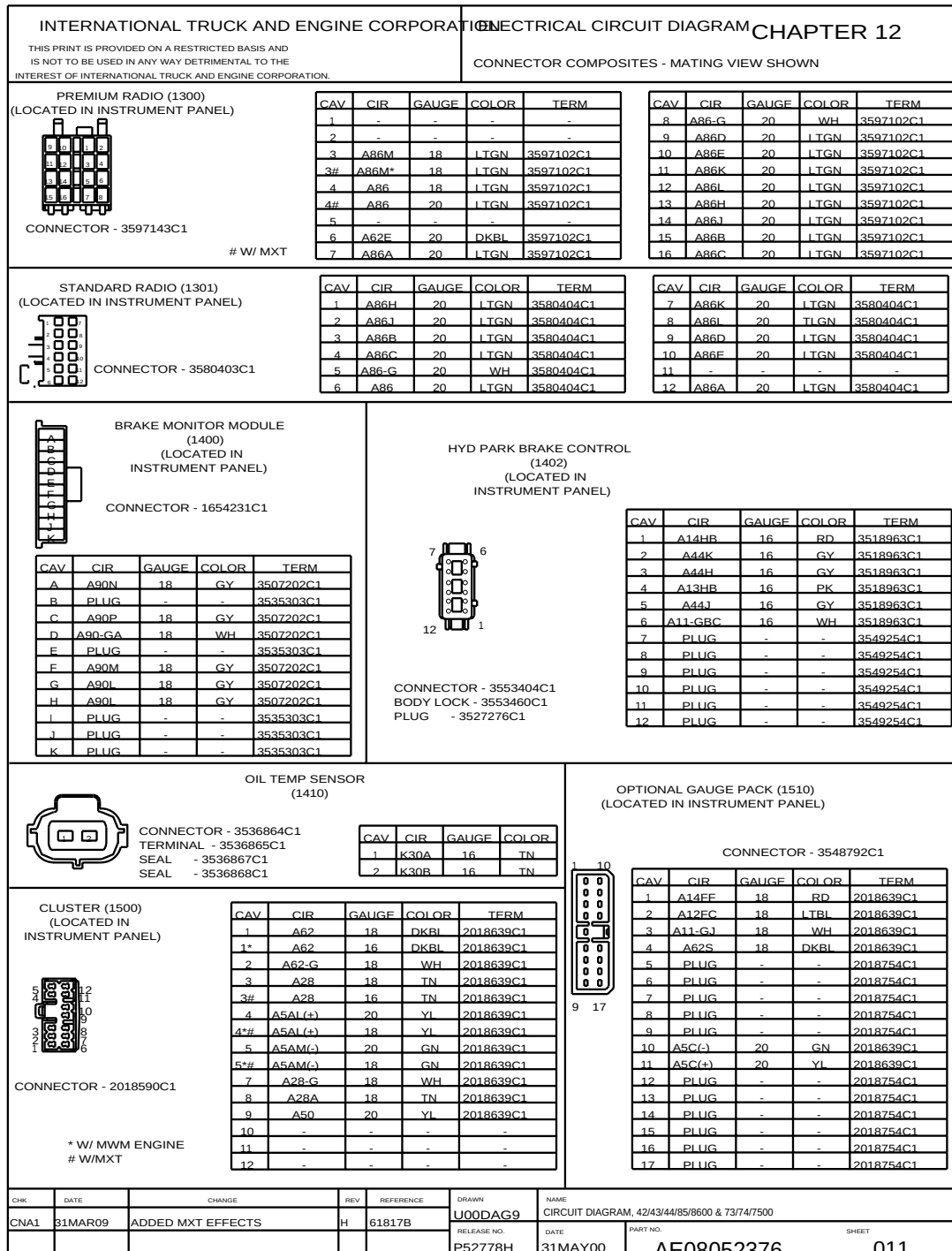


Figure 207 Connector Composites (1300), (1301), (1400), (1402), (1410), (1500), (1510)

12.15. CONNECTOR COMPOSITES (1553), (1554F), (1555), (1600), (1601), (1650), P. 12

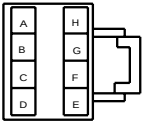
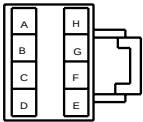
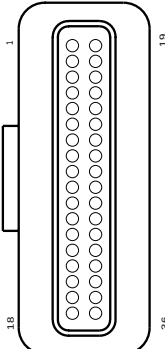
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A	A98-G	18	WH	1651968C1																																																																																																																																																																																																																																																																							
B	A98-G	18	VT	1651968C1																																																																																																																																																																																																																																																																							
C	A5AE(+)	20	YL	1651968C1																																																																																																																																																																																																																																																																							
C#	A5AE(+)	18	YL	1651968C1																																																																																																																																																																																																																																																																							
D	A5AE(-)	20	GN	1651968C1																																																																																																																																																																																																																																																																							
D#	A5AE(-)	18	GN	1651968C1																																																																																																																																																																																																																																																																							
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G#	A3A(-)	16	GY	1651968C1																																																																																																																																																																																																																																																																							
G	A3S(-)	18	GY	1651968C1																																																																																																																																																																																																																																																																							
G*	A5AN(-)	18	GN	3517243C1																																																																																																																																																																																																																																																																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CHK</th> <th>DATE</th> <th>CHANGE</th> <th>REV</th> <th>REFERENCE</th> <th>DRAWN</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>CNA1</td> <td>31MAR09</td> <td>ADDED MXT EFFECTS</td> <td>M</td> <td>61817B</td> <td>U00DLCK</td> <td>CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>RELEASE NO.</td> <td>DATE</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>P52778H</td> <td>21JUN00</td> </tr> </tbody> </table>				CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	CNA1	31MAR09	ADDED MXT EFFECTS	M	61817B	U00DLCK	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500						RELEASE NO.	DATE						P52778H	21JUN00	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>PART NO.</th> <th>SHEET</th> </tr> </thead> <tbody> <tr> <td>AE08052376</td> <td>012</td> </tr> </tbody> </table>				PART NO.	SHEET	AE08052376	012																																																																																																																																																																																																																																				
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Figure 208 Connector Composites (1553), (1554F), (1555), (1600), (1601), (1650)

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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12.16. CONNECTOR COMPOSITES (1652), (1657), (1657M), (1657M2), (1657N), (1657Y), (1658), (1659), (1660), (1661), P. 13

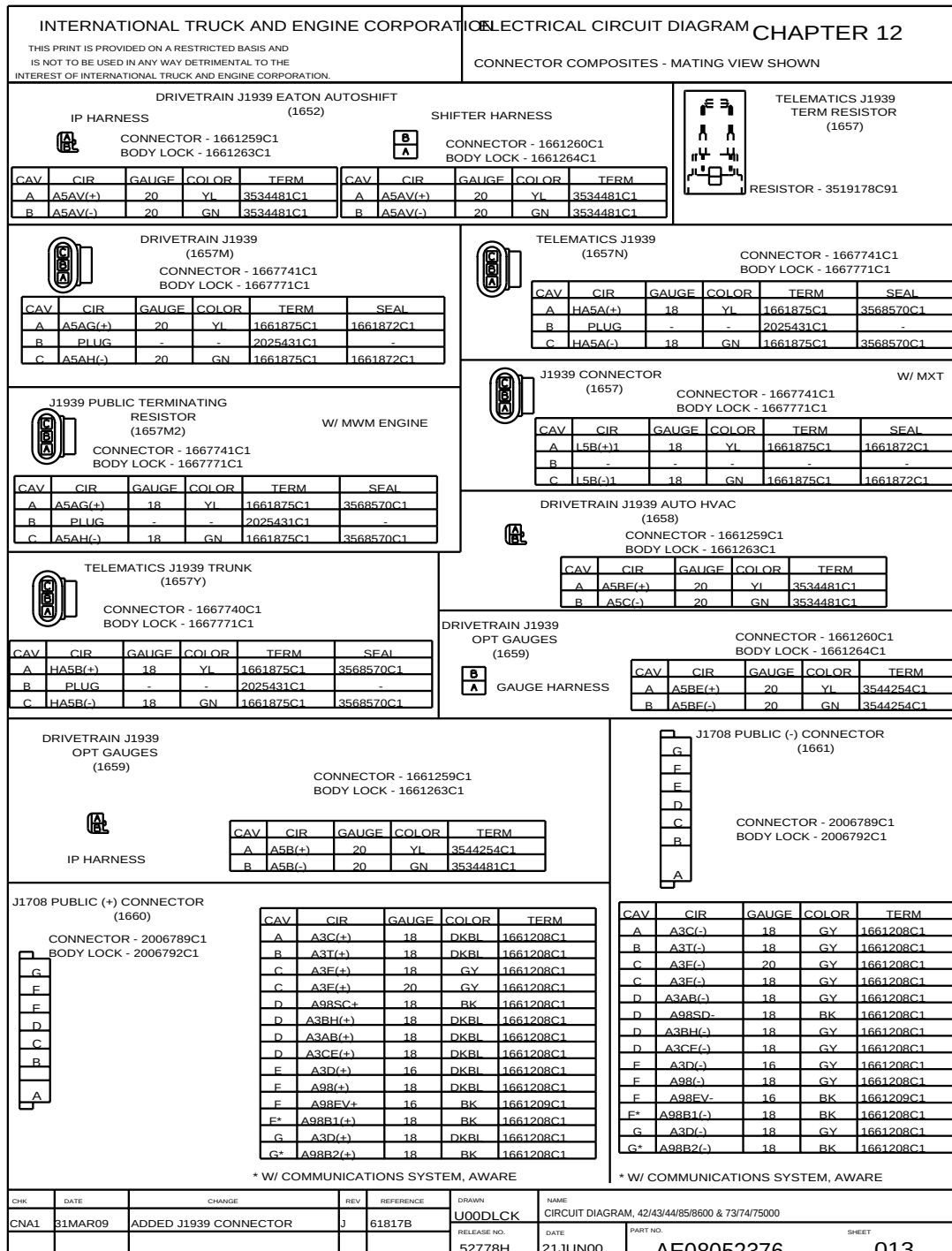
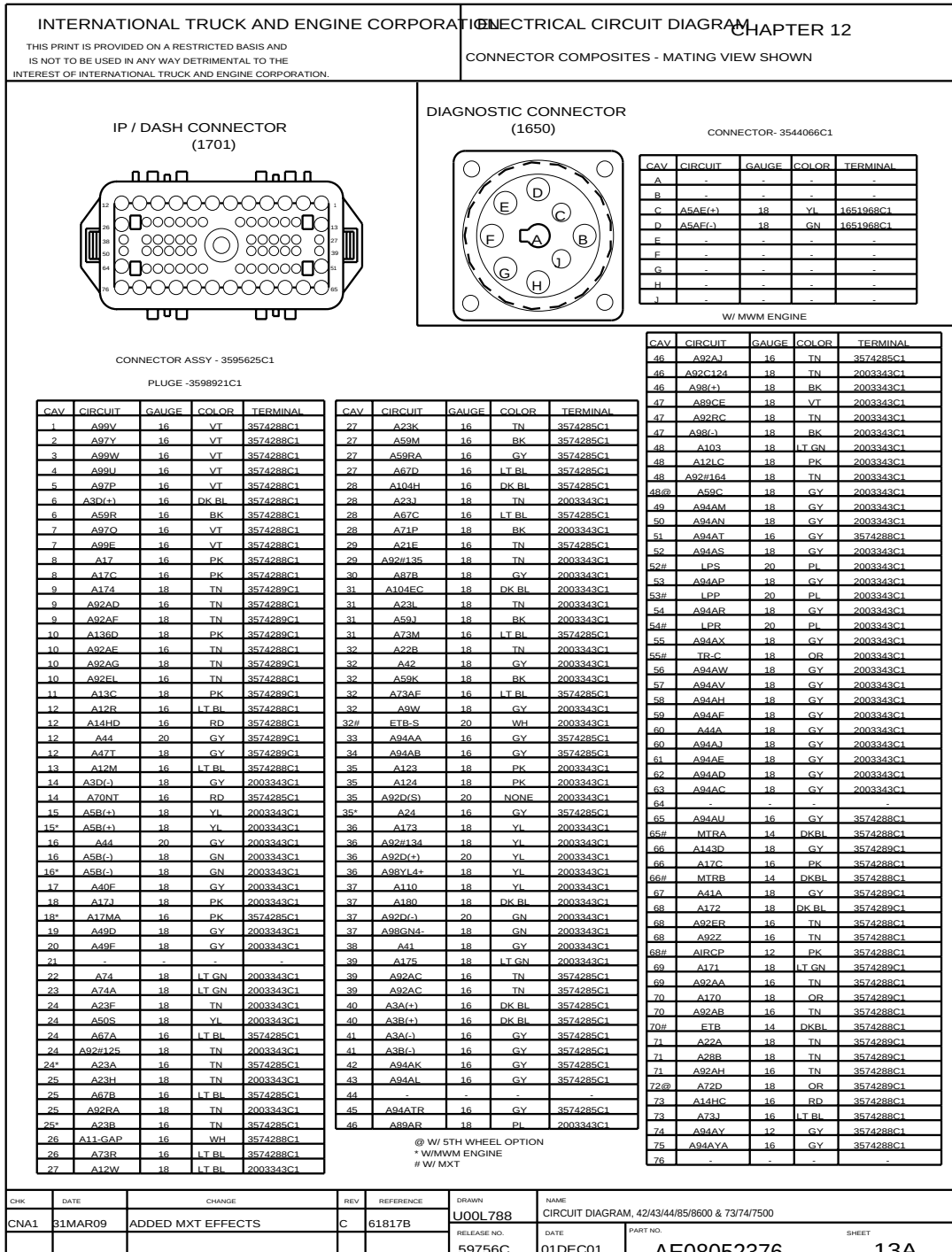


Figure 209 Connector Composites (1652), (1657), (1657M), (1657M2), (1657N), (1657Y), (1658), (1659), (1660), (1661)

12.17. CONNECTOR COMPOSITES (1650), (1701), P. 13A


Figure 210 Connector Composites (1650), (1701)

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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12.18. CONNECTOR COMPOSITE (1701), P. 13B

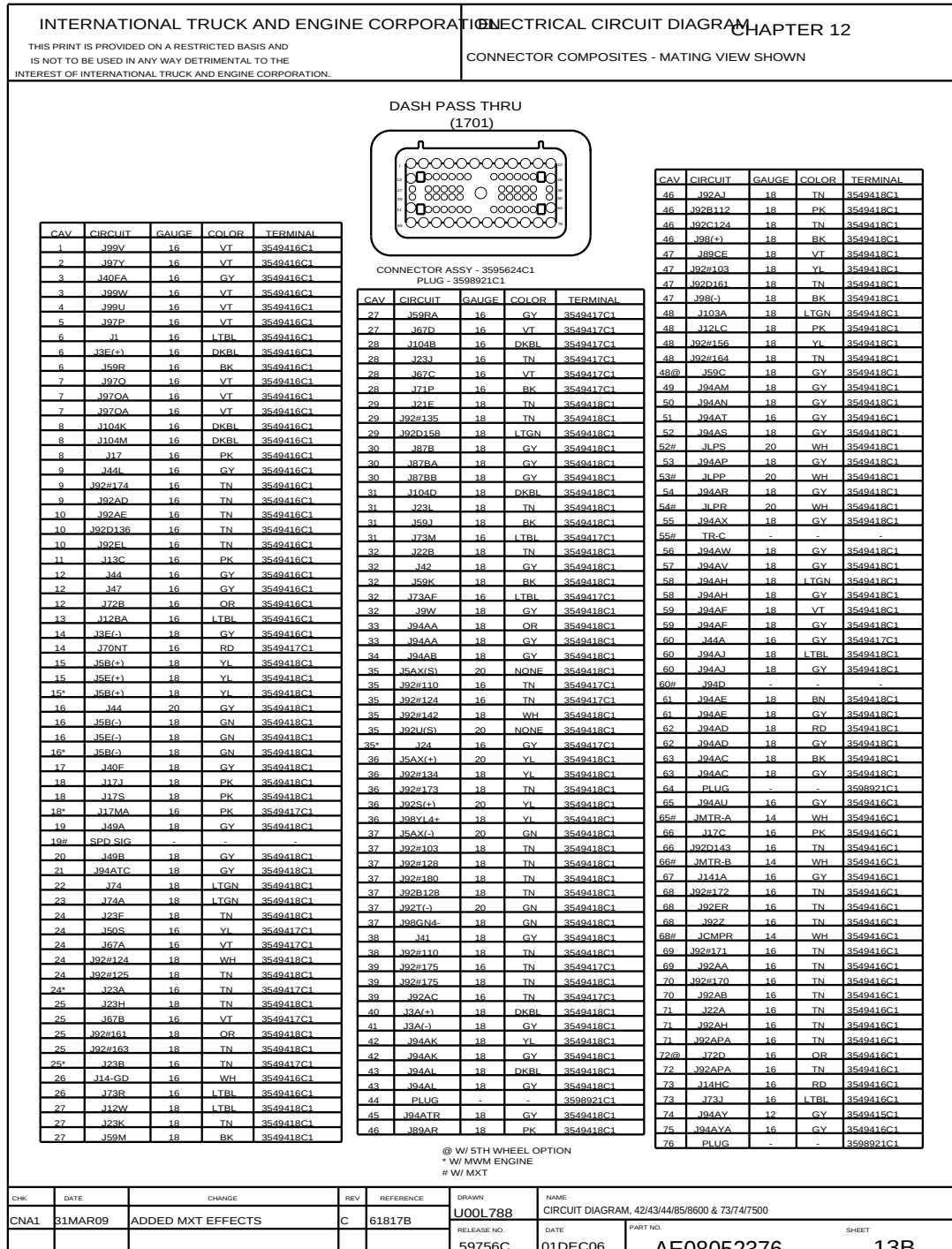


Figure 211 Connector Composite (1701)

12.19. CONNECTOR COMPOSITES (1703), (1800), (1804), (1807), (1808), (1809), (1810), (1811), (1812), (1813), (1814), (1815), P. 14

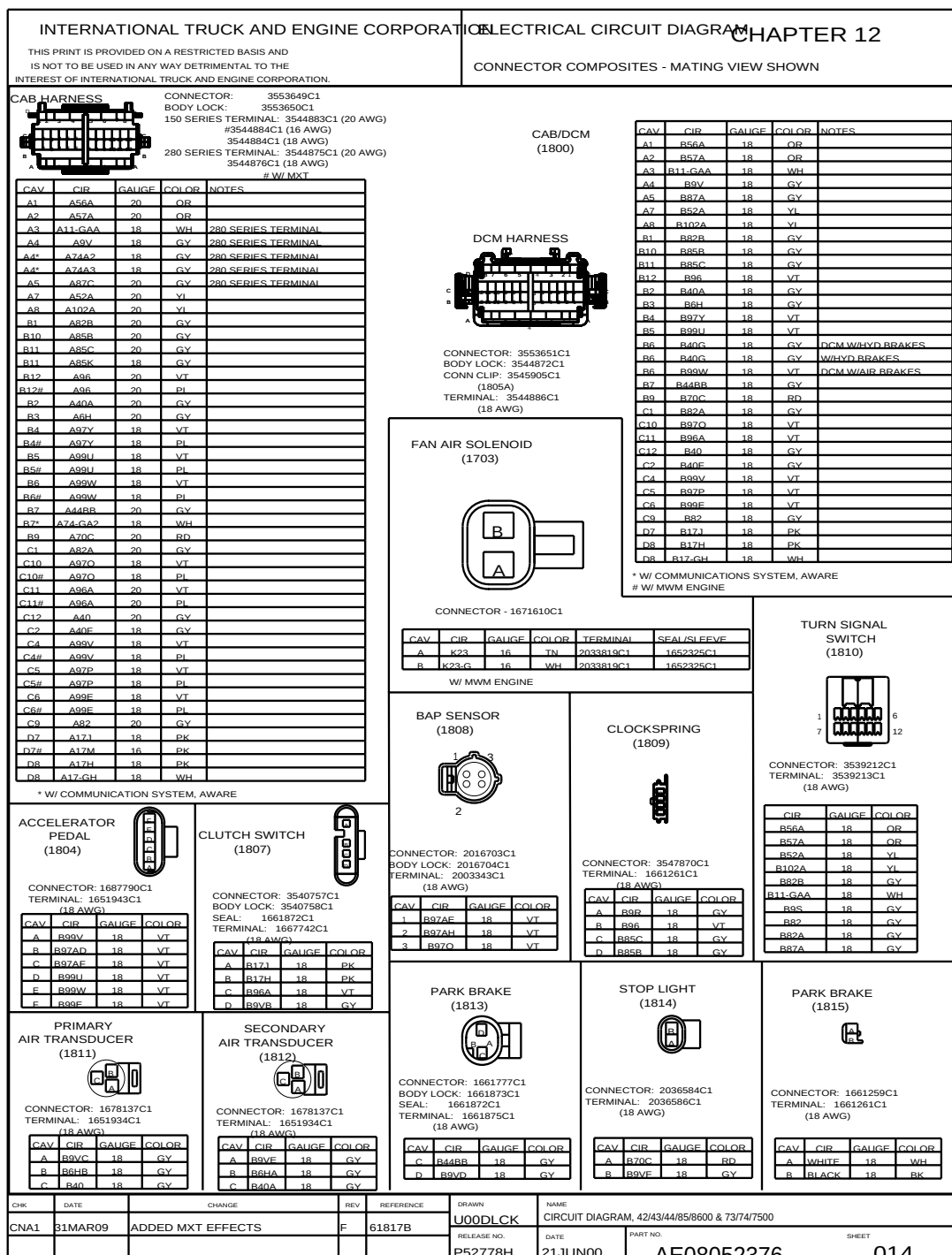


Figure 212 Connector Composites (1703), (1800), (1804), (1807), (1808), (1809), (1810), (1811), (1812), (1813), (1814), (1815)

12.20. CONNECTOR COMPOSITES (1820), (1822), (1823), (1824), (1828), (1852), (1860), P. 15

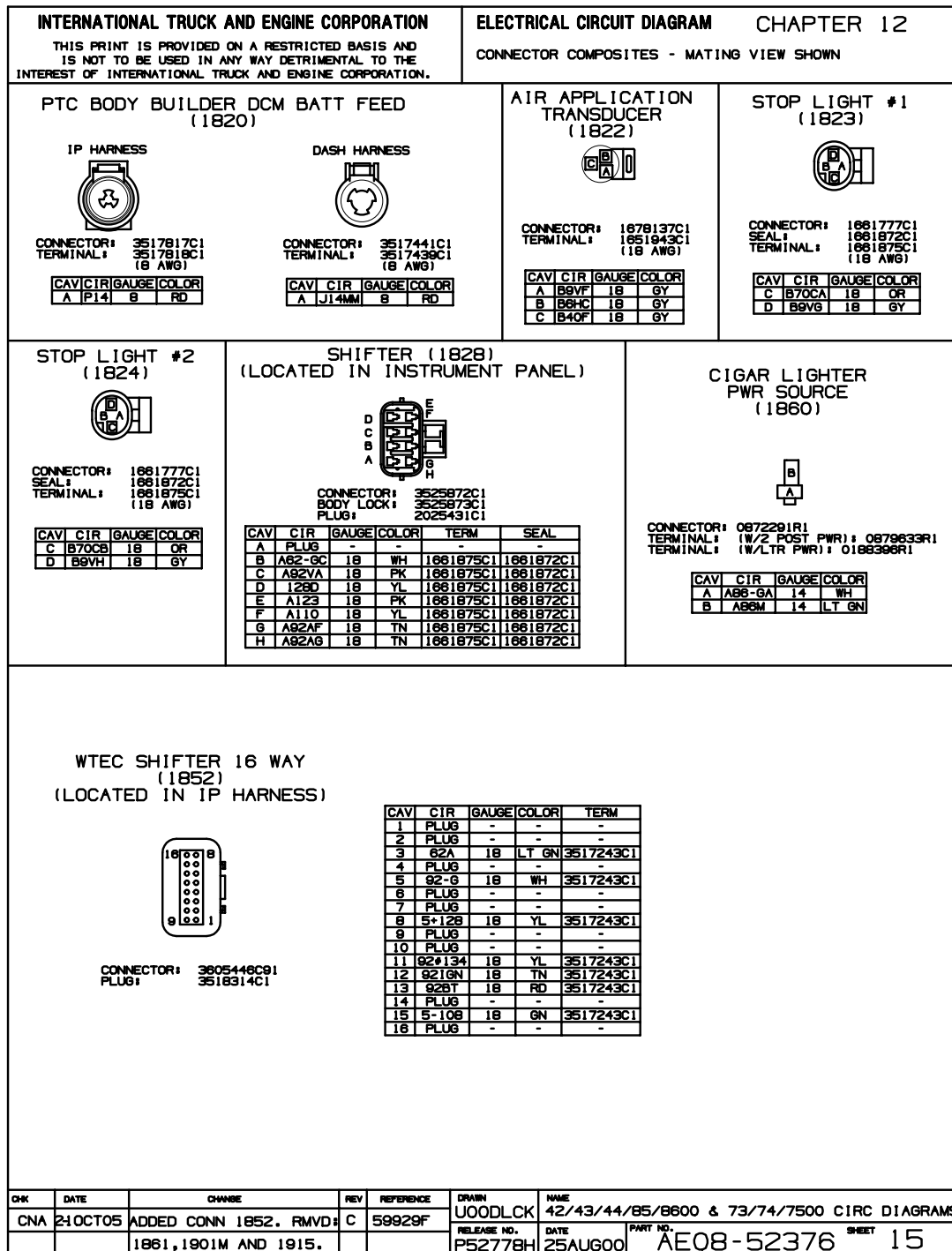


Figure 213 Connector Composites (1820), (1822), (1823), (1824), (1828), (1852), (1860)

12.21. CONNECTOR COMPOSITES (1861), (1901M), (1905), (1906), (1915), P. 15A

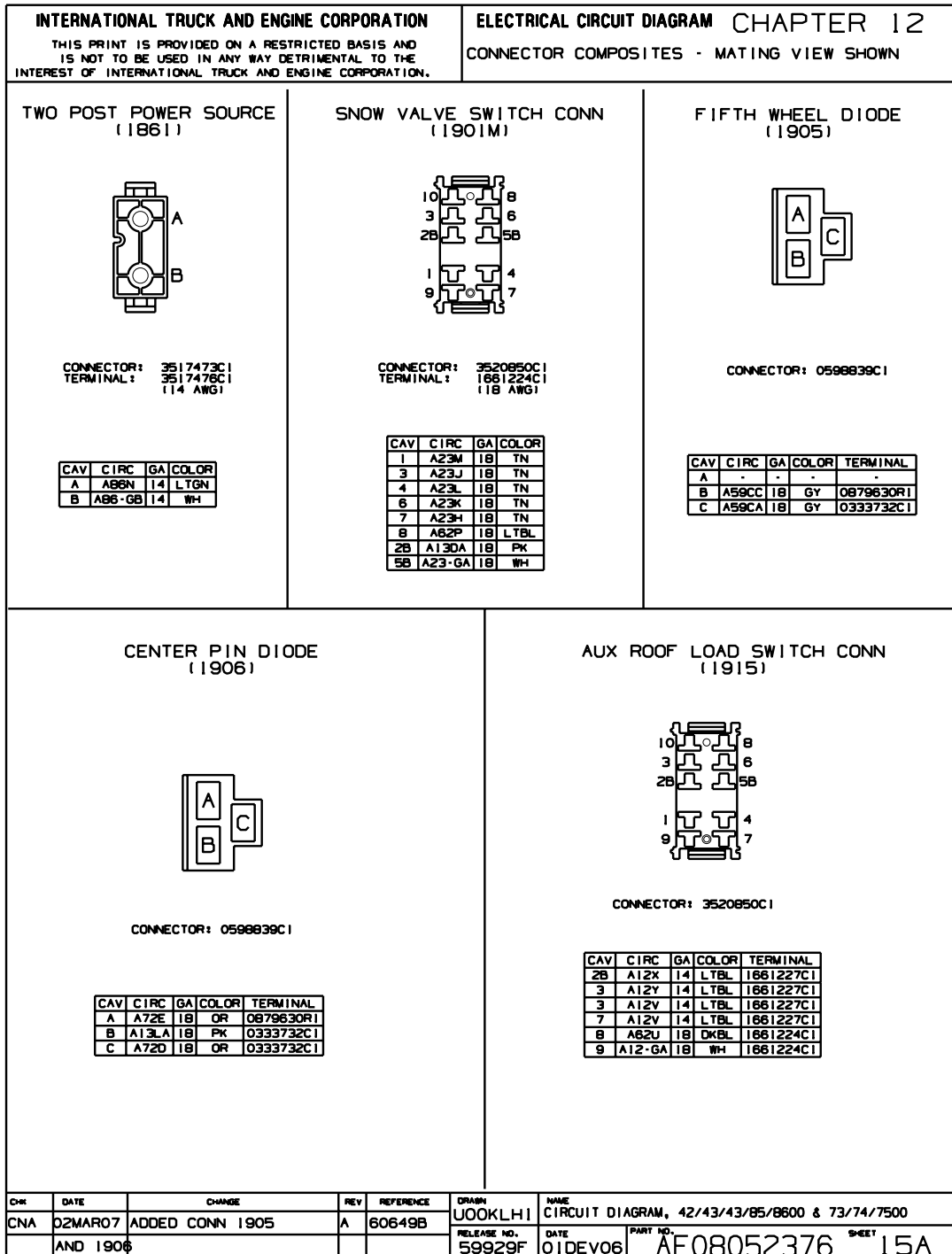


Figure 214 Connector Composites (1861), (1901M), (1905), (1906), (1915)

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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12.22. CONNECTOR COMPOSITES (1918), (1935), (1920), (2000), (2002M), (2003M), (2004M), (2005M), P. 16

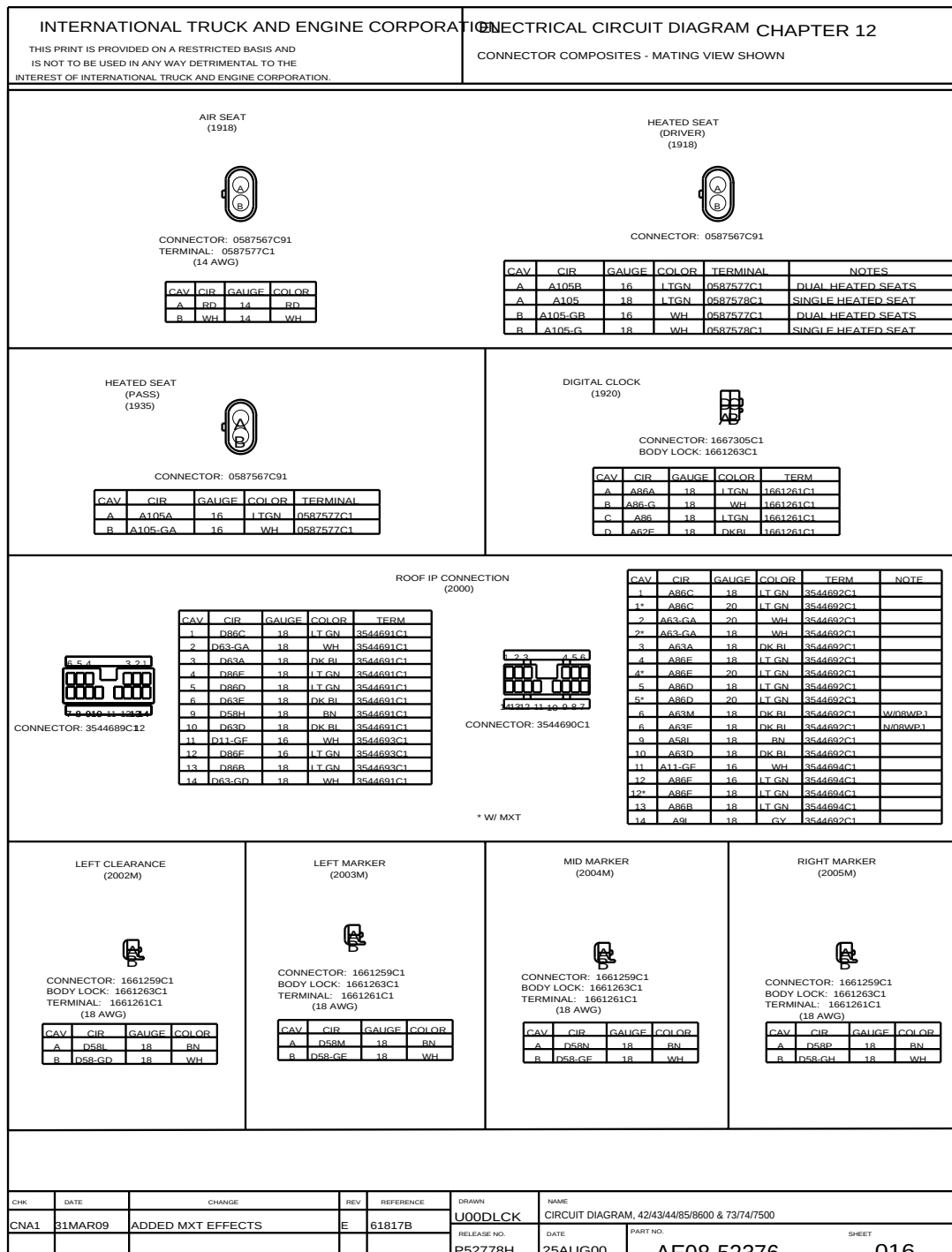


Figure 215 Connector Composites (1918), (1935), (1920), (2000), (2002M), (2003M), (2004M), (2005M)

12.23. CONNECTOR COMPOSITES (2006M), (2007F), (2021F), (2021M), (2111M), (2112M), (2113M), (2114M), (2115M), (2116M), (2117M), (2301M), (2302M), (2303M), P. 17

INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																														
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.					CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																														
RIGHT CLEARANCE (2006M)  CONNECTOR:1661259C1 BODY LOCK:1661263C1 TERMINAL:1661261C1 (18 AWG) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>D58R</td><td>18</td><td>BN</td></tr><tr><td>B</td><td>D58-GJ</td><td>18</td><td>WH</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	D58R	18	BN	B	D58-GJ	18	WH	SUNSHADE (2007F)  CONNECTOR:1661260C1 BODY LOCK:1661264C1 TERMINAL:1661262C1 (18 AWG) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>D58T</td><td>18</td><td>BN</td></tr><tr><td>B</td><td>D58-GL</td><td>18</td><td>WH</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	D58T	18	BN	B	D58-GL	18	WH	AUX ROOF/IP CONNECTION (2021F)  CONNECTOR:3554818C1 BODY LOCK:3554821C1 TERMINAL:3534167C1 (14AWG) TERMINAL:1661212C1 (18AWG) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>D58W</td><td>14</td><td>BN</td></tr><tr><td></td><td>BK</td><td>18</td><td>BK</td></tr><tr><td>B</td><td>D58-GW</td><td>14</td><td>WH</td></tr><tr><td></td><td>WH</td><td>18</td><td>WH</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	D58W	14	BN		BK	18	BK	B	D58-GW	14	WH		WH	18	WH	IP/AUX ROOF CONNECTION (2021M)  CONNECTOR:3554817C1 BODY LOCK:3554820C1 TERMINAL:3534165C1 (14AWG) TERMINAL:3534164C1 (18AWG) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>A12U</td><td>14</td><td>LTBL</td></tr><tr><td></td><td>A58AD</td><td>18</td><td>BN</td></tr><tr><td>B</td><td>A12-GB</td><td>14</td><td>WH</td></tr><tr><td></td><td>A11-GHF</td><td>18</td><td>WH</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	A12U	14	LTBL		A58AD	18	BN	B	A12-GB	14	WH		A11-GHF	18	WH																												
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RIGHT DOOR DOME SWITCH (2111M)  CONNECTOR:2036584C1 TERMINAL:2036586C1 (18 AWG) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>D63B</td><td>18</td><td>DKBL</td></tr><tr><td>B</td><td>D6N</td><td>18</td><td>GY</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	D63B	18	DKBL	B	D6N	18	GY	LEFT DOOR DOME SWITCH (2112M)  CONNECTOR:2036584C1 TERMINAL:2036586C1 (18 AWG) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>NOTES</th></tr><tr><td>A</td><td>D63H</td><td>18</td><td>DKBL</td><td></td></tr><tr><td></td><td>D63A</td><td>18</td><td>DKBL</td><td>PTC</td></tr><tr><td>B</td><td>D9D</td><td>18</td><td>GY</td><td></td></tr><tr><td></td><td>D9L</td><td>18</td><td>GY</td><td>PTC</td></tr></table>		CAV	CIR	GAUGE	COLOR	NOTES	A	D63H	18	DKBL			D63A	18	DKBL	PTC	B	D9D	18	GY			D9L	18	GY	PTC	RIGHT CREW DOOR DOME SWITCH (2113M)  CONNECTOR:2036584C1 TERMINAL:2036586C1 (18 AWG) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>D63J</td><td>18</td><td>DKBL</td></tr><tr><td>B</td><td>D9W</td><td>18</td><td>GY</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	D63J	18	DKBL	B	D9W	18	GY	LEFT CREW DOOR DOME SWITCH (2114M)  CONNECTOR:2036584C1 TERMINAL:2036586C1 (18 AWG) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>D63K</td><td>18</td><td>DKBL</td></tr><tr><td>B</td><td>D9Y</td><td>18</td><td>GY</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	D63K	18	DKBL	B	D9Y	18	GY																															
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REAR DOME LIGHT (2115M)  CONNECTOR:1661889C1 BODY LOCK:1661890C1 TERMINAL:1661261C1 (18 AWG) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>D63L</td><td>18</td><td>DKBL</td></tr><tr><td>B</td><td>D63-GH</td><td>18</td><td>WH</td></tr><tr><td>C</td><td>D63K</td><td>18</td><td>DKBL</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	D63L	18	DKBL	B	D63-GH	18	WH	C	D63K	18	DKBL	DOME LAMP (2116M)  CONNECTOR:3536187C1 BODY LOCK:1661890C1 TERMINAL:1661261C1 (18 AWG) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>NOTES</th></tr><tr><td>A</td><td>D63D</td><td>18</td><td>DKBL</td><td></td></tr><tr><td>B</td><td>D63-GE</td><td>18</td><td>WH</td><td>W/DUAL CB</td></tr><tr><td></td><td>C11-GF</td><td>18</td><td>WH</td><td>W/O CB</td></tr><tr><td>C</td><td>C63E</td><td>18</td><td>DKBL</td><td></td></tr></table>		CAV	CIR	GAUGE	COLOR	NOTES	A	D63D	18	DKBL		B	D63-GE	18	WH	W/DUAL CB		C11-GF	18	WH	W/O CB	C	C63E	18	DKBL		DOME/READING LIGHT COMPASS/TEMP UNIT (2117M)  CONNECTOR:3515762C1 BODY LOCK:3515764C1-2 TERMINAL:1661261C1 (18 AWG) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>C41-G</td><td>18</td><td>WH</td></tr><tr><td>B</td><td>C63-GE</td><td>18</td><td>WH</td></tr><tr><td>C</td><td>C63D</td><td>18</td><td>DKBL</td></tr><tr><td>D</td><td>C41B</td><td>18</td><td>GY</td></tr><tr><td>E</td><td>C62F</td><td>18</td><td>DKBL</td></tr><tr><td>F</td><td>C63E</td><td>18</td><td>DKBL</td></tr><tr><td>G</td><td>C41</td><td>18</td><td>GY</td></tr><tr><td>H</td><td>C41A</td><td>18</td><td>GY</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	C41-G	18	WH	B	C63-GE	18	WH	C	C63D	18	DKBL	D	C41B	18	GY	E	C62F	18	DKBL	F	C63E	18	DKBL	G	C41	18	GY	H	C41A	18	GY	RIGHT REAR SPEAKER (2301M)  CONNECTOR:3535769C1 TERMINAL:3535770C1 <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>D66D</td><td>18</td><td>LTGN</td><td>1661261C1</td></tr><tr><td>B</td><td>D66E</td><td>18</td><td>LTGN</td><td>1661261C1</td></tr></table>		CAV	CIR	GAUGE	COLOR	TERM	A	D66D	18	LTGN	1661261C1	B	D66E	18	LTGN	1661261C1
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LEFT REAR SPEAKER (2302M)  CONNECTOR:3535769C1 TERMINAL:3535770C1 TERMINAL:1661261C1 (18 AWG) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>D66B</td><td>18</td><td>LTGN</td></tr><tr><td>B</td><td>D66C</td><td>18</td><td>LTGN</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	D66B	18	LTGN	B	D66C	18	LTGN	CB RADIO POWER (2303M)  CONNECTOR:1661197C1 TERMINAL:1661212C1 (18 AWG) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th></tr><tr><td>A</td><td>C66F</td><td>18</td><td>LTGN</td></tr><tr><td>B</td><td>C66-GF</td><td>18</td><td>WH</td></tr></table>		CAV	CIR	GAUGE	COLOR	A	C66F	18	LTGN	B	C66-GF	18	WH																																																																								
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CNA	22DEC05	COMBINED 2021F/2022F	C	59581V	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	P52778H	25AUG00	AE08-52376	17																																																																																									
		AND 2021M/2022M.																																																																																																	

Figure 216 Connector Composites (2006M), (2007F), (2021F), (2021M), (2111M), (2112M), (2113M), (2114M), (2115M), (2116M), (2117M), (2301M), (2302M), (2303M)

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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**12.24. CONNECTOR COMPOSITES (2304M), (2305M), (2306M), (2307F), (2308F),
(2502F), (2502M), (2503F, M), (2600F, M), P. 18**

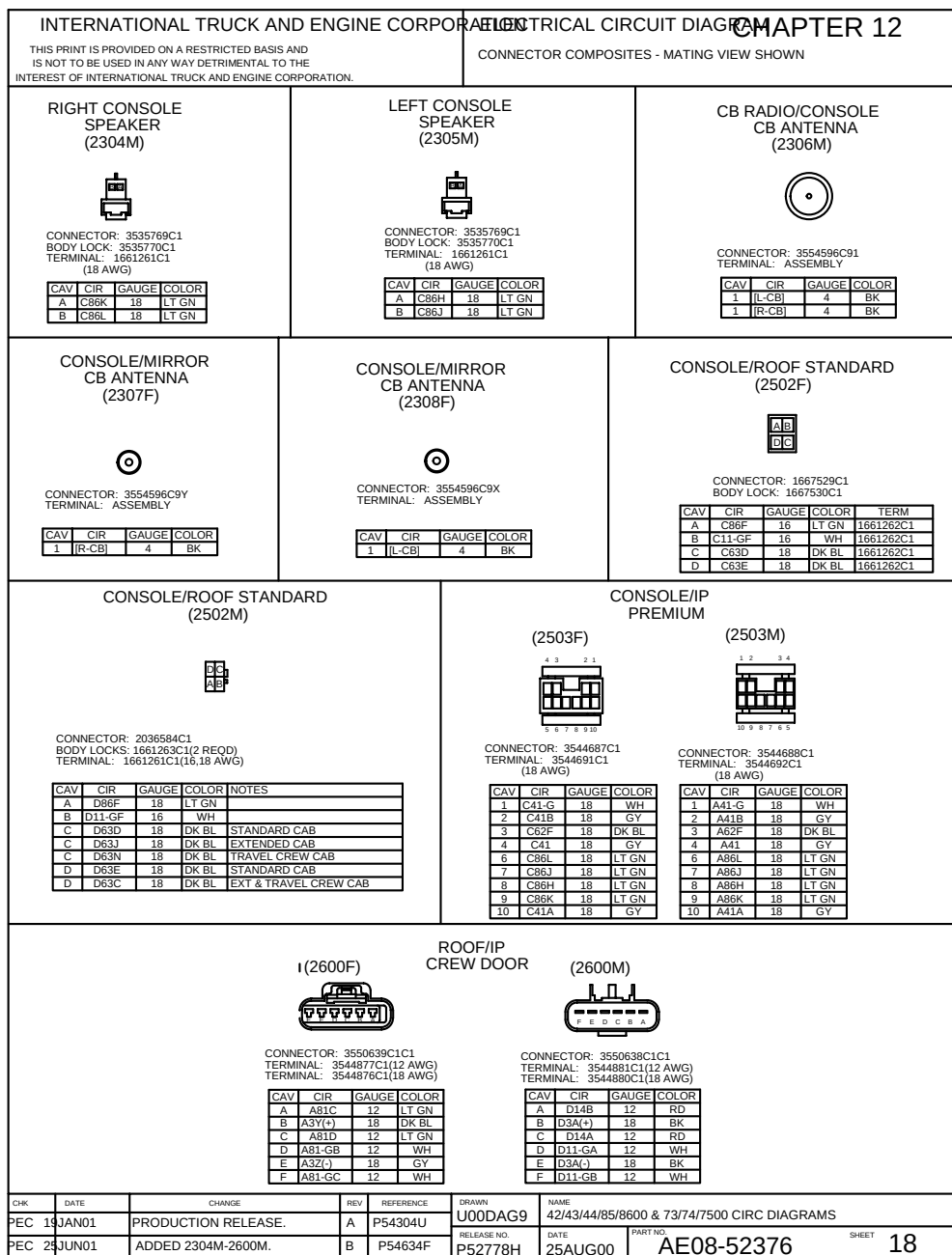
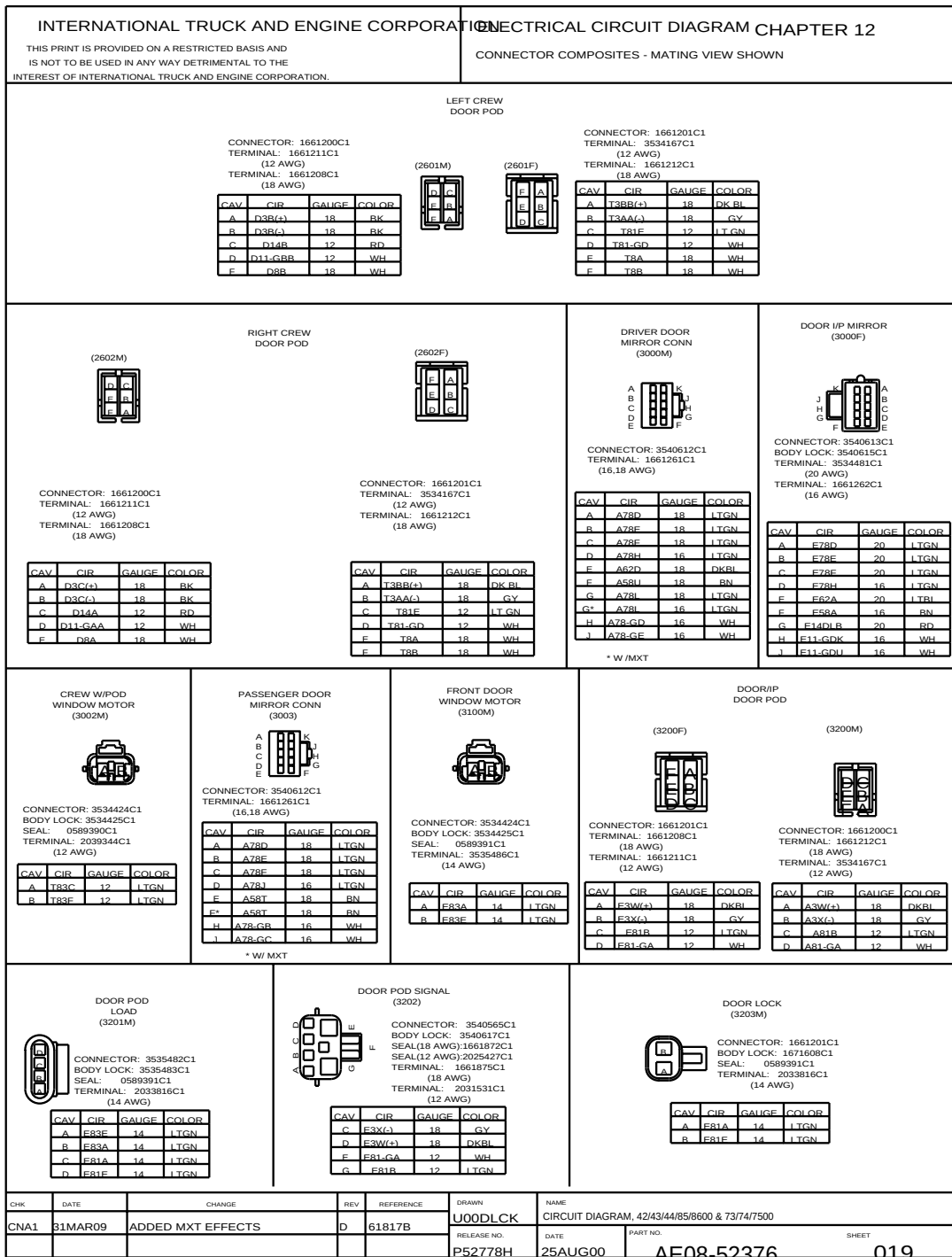


Figure 217 Connector Composites (2304M), (2305M), (2306M), (2307F), (2308F), (2502F), (2502M), (2503F, M), (2600F, M)

12.25. CONNECTOR COMPOSITES (2601M, F), (2602M, F), (3000M), (3000F), (3002M), (3003), (3100M), (3200F, M), (3201M), (3202), (3203M), P. 19

Figure 218 Connector Composites (2601M, F), (2602M, F), (3000M), (3000F), (3002M), (3003), (3100M), (3200F, M), (3201M), (3202), (3203M)

3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

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12.26. CONNECTOR COMPOSITES (3204M, F), (3209), (3210M), (3211M), (4000), P. 20

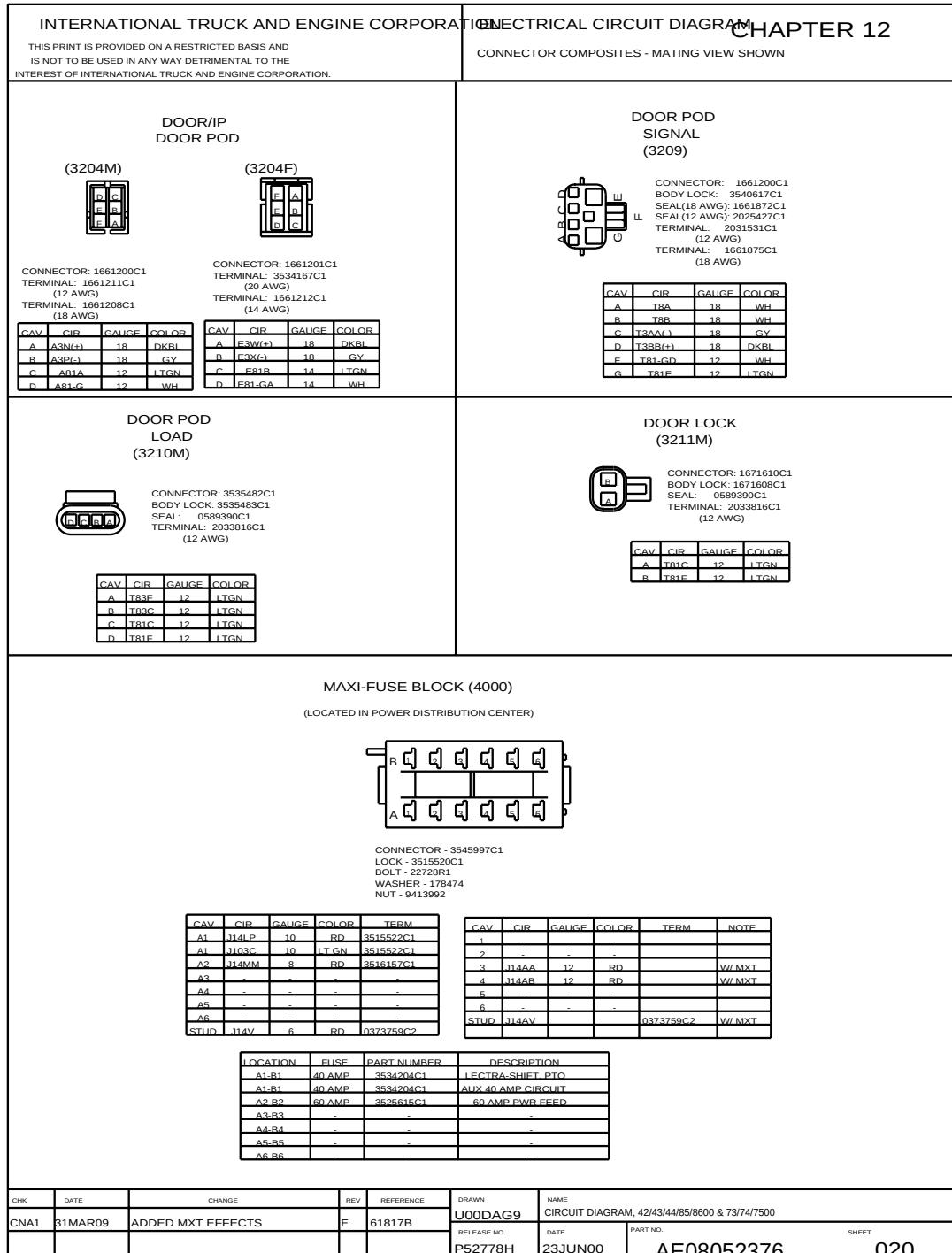


Figure 219 Connector Composites (3204M, F), (3209), (3210M), (3211M), (4000)

3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

12.27. CONNECTOR COMPOSITE (4001), P. 21

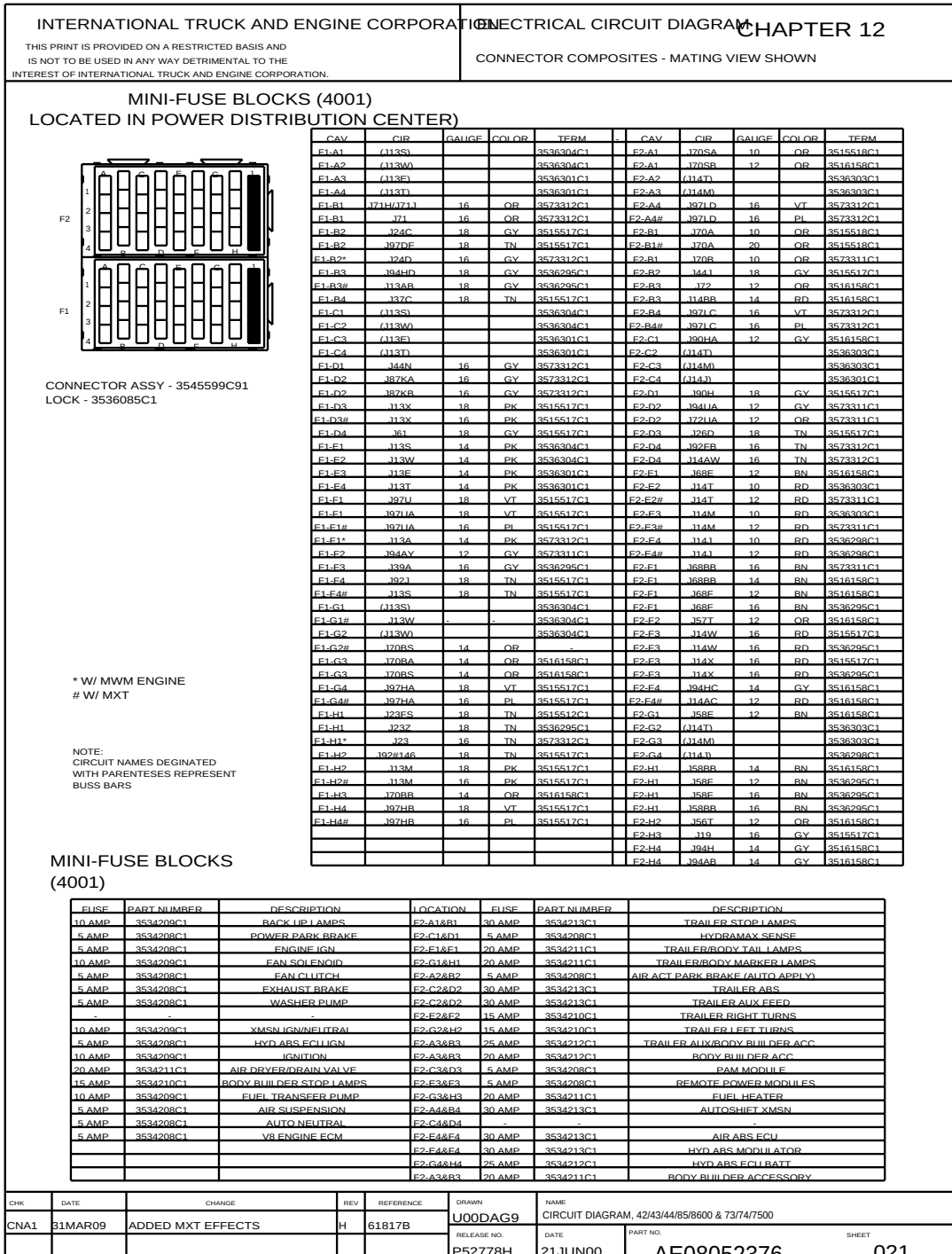


Figure 220 Connector Composite (4001)

3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

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12.28. CONNECTOR COMPOSITE (4002), P. 22

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ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

MICRO RELAY BLOCKS (4002)
(LOCATED IN POWER DISTRIBUTION CENTER)

CONNECTOR ASSY - 3545598C91
LOCK - 3536085C1
MICRO RELAY - 3513950C1
PLUG - 3555642C1

LOCATION	DESCRIPTION
M1-A1 M1-C2	REMOTE START/STOP
M1-A3 M1-C4	EXHAUST BRAKE
M1-A3 M1-C4	FAN CLUTCH
M1-D1 M1-E2	BACK UP LAMPS W/ WTEC XMSN
M1-D3 M1-E4	CRANK ENABLE W/ ALTO NEUTRAL
M1-G3 M1-J4	FUEL HEATER
M2-A1 M2-C2	NEUTRAL W/ WTEC ALTO NEUTRAL
M2-A3 M2-C4	TRAILER LEFT TURNS
M2-D1 M2-E2	REMOTE START/STOP
M2-D1 M2-E2	AUX HEADLIGHT L/O BEAM
M2-D3 M2-E4	TRAILER RIGHT TURNS
M2-G1 M2-J2	HYD ABS EVENT
M2-G1 M2-J2	AUX HEADLIGHT H/B EAM
M2-G3 M2-J4	WTEC AUTO NEUTRAL LAMP

CAV	CIR	GAUGE	COLOR	TERM	CAV	CIR	GAUGE	COLOR	TERM
M1-A1	J59RE	16	GY	3573312C1	M2-B2	PLUG	-	-	-
M1-A1	J64-GA	18	WH	3573312C1	M2-C4	J56H	16	OR	3515517C1
M1-A1*	J29A	16	YL	3573312C1					
M1-B1	J52B	14	YL	3559035C1					
M1-B1*	J23B	16	TN	3573312C1					
M1-C1	J59BD	16	GY	3573312C1	M2-C4	J56K	16	OR	3515517C1
M1-C1	J64HI	14	YL	3573312C1					
M1-A2	J59BC	16	GY	3536300C1	M2-A4	J56T	12	OR	3516158C1
M1-A2	J52HI	14	YL	3559035C1					
M1-A2*	J23C	16	TN	3573312C1					
M1-B2	PLUG	-	-	-	M2-C3	J56C	12	OR	3516158C1
M1-C2	(J59BC)	-	-	3536300C1	M2-A3	J56-GH	18	WH	3515517C1
M1-C2	J64C	16	YL	3573312C1	M2-A3#	J56-GW	18	WH	3515517C1
M1-C2*	J23	16	TN	3573311C1	M2-B4	PLUG	-	-	-
M1-C4	(J23Z)	-	-	3536300C1	M2-E2	J64AB	16	YL	3573311C1
M1-C4*	J24C	16	GY	3573311C1	M2-E2	J64C	16	YL	3573311C1
M1-C4*	J24D	16	GY	3573311C1					
M1-A4	J23Z	18	TN	3536300C1	M2-D2	J53L O	14	YL	3573312C1
M1-A3	J23A	18	TN	3515517C1	M2-E1	J53B	14	YL	3573312C1
M1-A3*	J24	16	GY	3573312C1	M2-E2	PLUG	-	-	-
M1-B3	J23	18	TN	3515517C1					
M1-C4	J24C	18	GY	3536300C1	M2-D2	J53L O	14	YL	3516158C1
M1-A4	(J24C)	-	-	3536300C1					
M1-A4*	J24C	16	GY	3573312C1	M2-E1	J53B	14	YL	3516158C1
M1-C3	J24B	18	GY	3515517C1	M2-E1	J64L O	14	YL	3516158C1
M1-C3*	J24A	16	GY	3573312C1	M2-D1	J64-GA/J64-G	18/18	WH	3573312C1
M1-A3	J24A	18	GY	3515517C1					
M1-B4	PLUG	-	-	-	M2-E2	PLUG	-	-	-
M1-D1	J71#113	18	OR	3515517C1					
M1-D1#	J71#165	18	TN	3515517C1	M2-D1	J59BA	16	GY	3573312C1
M1-D2	J71L	18	OR	3515517C1	M2-E1	J59BE	16	GY	3573312C1
M1-D2#	J71L	16	OR	3515517C1					
M1-E1#	J71B	16	OR	3515517C1	M2-D2	J59BD	16	GY	3573312C1
M1-E1	J71B	18	OR	3515517C1	M2-E2	J59BB	16	GY	3573312C2
M1-E2	J71H	18	OR	3515517C1	M2-E2	PLUG	-	-	-
M1-E2#	J71H	16	OR	3515517C1	M2-E4	J57H	16	OR	3515517C1
M1-E2	PLUG	-	-	-	M2-E4	J57K	16	OR	3515517C1
M1-F4	J92HM4	18	TN	3536295C1					
M1-D4	J17	18	PK	3515517C1	M2-D4	J57T	12	OR	3516158C1
M1-E3	J17SA	18	PK	3515517C1	M2-E3	J57C	12	OR	3516158C1
M1-D3	J17-GB1	18	PK	3515517C1	M2-D3	J73J	16	LT BL	3549416C1
M1-E4	PLUG	-	-	-	M2-D3	J57-GH	18	WH	3515517C1
M1-J4	J13AS	18	PK	3515517C1	M2-D3#	J57-GH	16	WH	3515517C1
M1-J4#	J13AS	16	PK	3515517C1	M2-E4	J73J	16	LT BL	3515517C1
M1-G4	J19A	16	GY	3515517C1	M2-J2	J94HV	18	GY	3515517C1
M1-G4	J19E	16	GY	3536295C1	M2-J2	J64C	16	YL	3515517C1
M1-J3	J19	16	GY	3515517C1	M2-J2#	J13AB	16	YL	3515517C1
M1-G3#	J19-G	18	WH	3515517C1	M2-G2	J94HH	18	GY	3515517C1
M1-H4	PLUG	-	-	-	M2-G2#	J94D	18	GY	3515517C1
M1-A1	J92BB	16	TN	3573312C1	M2-J1	J94HE	18	GY	3515517C1
M1-C1	J92D161	16	TN	3573312C1	M2-G1	J94-GHE	18	WH	3515517C1
M1-A2	J92#163	16	TN	3573312C1	M2-G1#	J94A	18	WH	3515517C1
M1-C2	J13RA	16	TN	3573312C1	M2-H2	PLUG	-	-	-
M1-G1	J37D	18	TN	3515517C1	M2-G2	J52HI	14	YL	3516158C1
M1-J1	J37	16	TN	353312C1	M2-H1	PLUG	-	-	-
M1-G2	J37C	16	TN	353312C1	M2-J1	PM59K	18	BK	3536295C1
M1-J2	(J37C)	-	-	3536300C1	M2-G1	J59-GC	18	WH	3515517C1
M1-G3	J97J	18	VT	3515517C1	M2-H2	PLUG	-	-	-
M1-J3	J97H	18	VT	3515517C2	M2-G3	J92-G1	18	WH	3515517C1
M1-J4	J97JA	18	VT	3515517C3	M2-G3	J92BD	18	TN	3515517C1
M1-G4	J97HA	16	VT	3573312C1	M2-G4	J92ABA	18	TN	3515517C1
M2-A1	J92A114	18	TN	3515517C1	M2-G4	J92AB	16	TN	3573312C1
M2-A2	J17BC	18	PK	3515517C1	M2-H3	J17B	18	PK	3515517C1
M2-B1	J92HM5	18	TN	3515517C1	M2-H3	J92EN	16	TN	3573312C1
M2-C1	J92J	18	TN	3536295C1	M2-J4	J92AY	18	TN	3515517C1
M2-C1	J92JA	18	TN	3536295C1	M2-J4	J92EBA	16	TN	3573312C1
M2-C2	J92JA	18	TN	3536295C1	M2-H4	PLUG	-	-	-
					M2-J3	J92EB	16	TN	3573312C1

* W/ MWM ENGINE
W/ MXT

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME			
CNA1	31MAR09	ADDED MXT EFFECTS	L	61817B	U00DAG9	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500			
					RELEASE NO.	DATE	PART NO.	SHEET	
					P52778H	28JUN00	AE08052376	022	

Figure 221 Connector Composite (4002)

12.29. CONNECTOR COMPOSITE (4003), P. 23

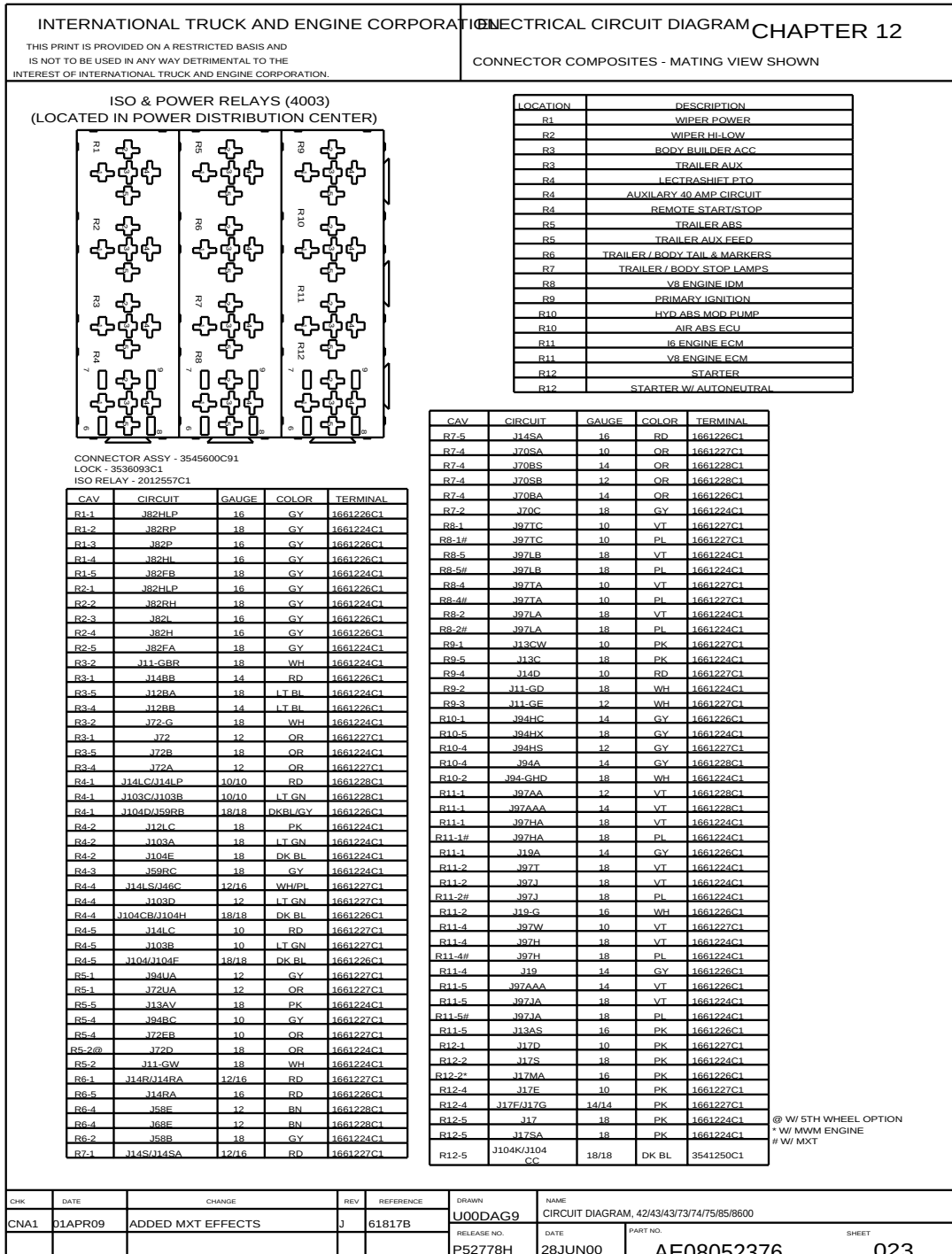
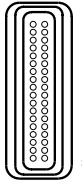


Figure 222 Connector Composite (4003)

3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

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12.30. CONNECTOR COMPOSITES (4004), (4007), (4008), P. 24

INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																																																						
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.					CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																																																																																						
SYSTEM CONTROLLER (4004) (LOCATED ON EXTERIOR DASH PANEL LEFT SIDE)  CONNECTOR - 3533834C1 BACKSHELL - 3533832C1 CPA - 3533836C1 RETAINER - 3533833C1 COVER - 3533834C1 SEAL - 3533835C1 PLUG - 3518314C1 * W/ MXT VEHICLE <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>NOTES</th></tr> </thead> <tbody> <tr><td>1</td><td>J32A</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>2</td><td>J32</td><td>18</td><td>TN</td><td>3517243C1</td><td>W/ AXLE TEMP</td></tr> <tr><td>3</td><td>J31</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>3</td><td>J31E</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>3</td><td>J88B</td><td>18</td><td>LT GN</td><td>3517243C1</td><td>W/ HOURMETER</td></tr> <tr><td>2*</td><td>TR-C</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td>4</td><td>J36B</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>5</td><td>J36A</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>6</td><td>J77A</td><td>20</td><td>LT GN</td><td>3517243C1</td><td></td></tr> <tr><td>7</td><td>J77D</td><td>20</td><td>LT GN</td><td>3517243C1</td><td></td></tr> <tr><td>8</td><td>J77C</td><td>20</td><td>LT GN</td><td>3517243C1</td><td></td></tr> <tr><td>9</td><td>J104A</td><td>18</td><td>DK BL</td><td>3517243C1</td><td></td></tr> <tr><td>10</td><td>J30A</td><td>18</td><td>TN</td><td>3517243C1</td><td></td></tr> <tr><td>11</td><td>J18D</td><td>18</td><td>GY</td><td>3517243C1</td><td></td></tr> <tr><td>11</td><td>J18C</td><td>18</td><td>GY</td><td>3517243C1</td><td></td></tr> <tr><td>12</td><td>J87C</td><td>18</td><td>GY</td><td>3517243C1</td><td></td></tr> <tr><td>12</td><td>J87CA</td><td>18</td><td>GY</td><td>3517243C1</td><td></td></tr> <tr><td>13</td><td>J61C</td><td>18</td><td>GY</td><td>3517243C1</td><td></td></tr> <tr><td>13</td><td>J94HH</td><td>18</td><td>GY</td><td>3517243C1</td><td>W/ HYD ABS</td></tr> <tr><td>13</td><td>J40F</td><td>18</td><td>GY</td><td>3517243C1</td><td>W/ AIR APP GAUGE</td></tr> <tr><td>14</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td>15</td><td>J70NV</td><td>18</td><td>RD</td><td>3517243C1</td><td></td></tr> <tr><td>15</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td></td></tr> <tr><td>16</td><td>J44M</td><td>18</td><td>GY</td><td>3517243C1</td><td></td></tr> <tr><td>17</td><td>J58B</td><td>18</td><td>GY</td><td>3517243C1</td><td></td></tr> <tr><td>18</td><td>J93</td><td>18</td><td>TN</td><td>3517243C1</td><td>W/ 2SPD AXLE & MAN XMSN</td></tr> </tbody> </table>										CAV	CIR	GAUGE	COLOR	TERM	NOTES	1	J32A	18	TN	3517243C1		2	J32	18	TN	3517243C1	W/ AXLE TEMP	3	J31	18	TN	3517243C1		3	J31E	18	TN	3517243C1		3	J88B	18	LT GN	3517243C1	W/ HOURMETER	2*	TR-C	-	-	-		4	J36B	18	TN	3517243C1		5	J36A	18	TN	3517243C1		6	J77A	20	LT GN	3517243C1		7	J77D	20	LT GN	3517243C1		8	J77C	20	LT GN	3517243C1		9	J104A	18	DK BL	3517243C1		10	J30A	18	TN	3517243C1		11	J18D	18	GY	3517243C1		11	J18C	18	GY	3517243C1		12	J87C	18	GY	3517243C1		12	J87CA	18	GY	3517243C1		13	J61C	18	GY	3517243C1		13	J94HH	18	GY	3517243C1	W/ HYD ABS	13	J40F	18	GY	3517243C1	W/ AIR APP GAUGE	14	PLUG	-	-	-		15	J70NV	18	RD	3517243C1		15	PLUG	-	-	-		16	J44M	18	GY	3517243C1		17	J58B	18	GY	3517243C1		18	J93	18	TN	3517243C1	W/ 2SPD AXLE & MAN XMSN
CAV	CIR	GAUGE	COLOR	TERM	NOTES																																																																																																																																																																						
1	J32A	18	TN	3517243C1																																																																																																																																																																							
2	J32	18	TN	3517243C1	W/ AXLE TEMP																																																																																																																																																																						
3	J31	18	TN	3517243C1																																																																																																																																																																							
3	J31E	18	TN	3517243C1																																																																																																																																																																							
3	J88B	18	LT GN	3517243C1	W/ HOURMETER																																																																																																																																																																						
2*	TR-C	-	-	-																																																																																																																																																																							
4	J36B	18	TN	3517243C1																																																																																																																																																																							
5	J36A	18	TN	3517243C1																																																																																																																																																																							
6	J77A	20	LT GN	3517243C1																																																																																																																																																																							
7	J77D	20	LT GN	3517243C1																																																																																																																																																																							
8	J77C	20	LT GN	3517243C1																																																																																																																																																																							
9	J104A	18	DK BL	3517243C1																																																																																																																																																																							
10	J30A	18	TN	3517243C1																																																																																																																																																																							
11	J18D	18	GY	3517243C1																																																																																																																																																																							
11	J18C	18	GY	3517243C1																																																																																																																																																																							
12	J87C	18	GY	3517243C1																																																																																																																																																																							
12	J87CA	18	GY	3517243C1																																																																																																																																																																							
13	J61C	18	GY	3517243C1																																																																																																																																																																							
13	J94HH	18	GY	3517243C1	W/ HYD ABS																																																																																																																																																																						
13	J40F	18	GY	3517243C1	W/ AIR APP GAUGE																																																																																																																																																																						
14	PLUG	-	-	-																																																																																																																																																																							
15	J70NV	18	RD	3517243C1																																																																																																																																																																							
15	PLUG	-	-	-																																																																																																																																																																							
16	J44M	18	GY	3517243C1																																																																																																																																																																							
17	J58B	18	GY	3517243C1																																																																																																																																																																							
18	J93	18	TN	3517243C1	W/ 2SPD AXLE & MAN XMSN																																																																																																																																																																						

CAV	CIR	GAUGE	COLOR	TERM
19	J92DL	18	TN	3517243C1
19	J92RD	18	TN	3517243C1
20	J82BH	18	GY	3517243C1
21	J70C	18	GY	3517243C1
22	J59C	18	GY	3517243C1
23	J94HP	18	GY	3517243C1
24	J59B	18	GY	3517243C1
25	J37D	18	TN	3517243C1
26	J9A	18	GY	3517243C1
27	J6A	18	GY	3517243C1
28	J90J	18	GY	3517243C1
29	J82RP	18	GY	3517243C1
30	J59D	18	GY	3517243C1
31	J59A	18	GY	3517243C1
32	J104	18	DK BL	3517243C1
32	J64AB	18	YL	3517243C1
33	PLUG	-	-	-
33*	J70G	18	GY	-
34	J5M(+)	20	YL	3517243C1
35	J5M(-)	20	GN	3517243C1
36	PLUG	-	-	-

12.31. CONNECTOR COMPOSITE (4014), P. 25

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

PASS THROUGH AT DASH (4014)

(LOCATED ON DASH PANEL LEFT SIDE)

OUTSIDE

CONNECTOR ASSY - 3566554C91
COVER - 3566555C1
WAFER - 3566572C1

CAV	CIR	GA	COLOR	TERM	NOTES
1	J99V	18	VT	3566555C1	CHASSIS WRG, BASE
2	J97Y	18	VT	3566555C1	CHASSIS WRG, BASE
3	J40FA	18	GY	3566555C1	AIR PRES GA W/HYD
3	J99W	18	VT	3566555C1	DASH WRG CUMMINS ISM
3	J82*135	18	TN	3566555C1	DASH WRG CUMMINS ISM
4	J99U	18	VT	3566555C1	CHASSIS WRG, BASE
5	J97P	18	VT	3566555C1	CHASSIS WRG, BASE
6	J1	18	LT BL	3566555C1	CAB D-LINK WRG J1939
6	J59R	18	BK	3566555C1	LIFT AXLE EXT CAB
6	J3E(+)	18	DK BL	3566555C1	CENTRAL TIRE INFLATION
7	J970A	18	VT	3566555C1	CEC V8 OR 18 EGR ENG
7	J970	18	VT	3566555C1	CEC 18 ENG CUMMINS ISM
8	J17	18	PK	3566555C1	KEY START W/CRNK INHB
8	J17C	18	PK	3566555C1	ULTRASHIFT DM2
8	J104K	18	DK BL	3566555C1	REMOTE START/STOP
8	J104M	18	DK BL	3566555C1	REM ST/STP W/CRNK INH
9	J3A(+)	18	DK BL	3566555C1	CHASSIS WRG, BASE
10	J3A(-)	18	GY	3566555C1	CHASSIS WRG, BASE
11	J5B(+)	18	YL	3566555C1	J1939 W/AIR ABS OR PAM
11	J5E(+)	18	YL	3566555C1	J1939 N/AIR ABS
12	J5B(-)	18	GN	3566555C1	J1939 W/AIR ABS OR PAM
12	J5E(-)	18	GN	3566555C1	J1939 N/AIR ABS
13	J128A	18	LT BL	3566555C1	TLRL SKT BDR BDR
14	J70NT	18	RD	3566555C1	ELECT TLRL BRAKE
14	J3E(+)	18	DK BL	3566555C1	ELECT TLRL BRAKE
15	J13C	18	PK	3566555C1	CHASSIS WRG, BASE
16	J47	18	GY	3566555C1	CAT ACERT SPD SIGNAL
16	J72B	18	OR	3566555C1	TRAILER SOCKET
17	J40F	18	GY	3566555C1	AIR APPLICATION GA
18	J17J	18	PK	3566555C1	MAN START/MAN XMSN
18	J17S	18	PK	3566555C1	MAN START
18	J82*16A	18	TN	3566555C1	XMSN WRG, WTEC
19	J48A	18	GY	3566555C1	DIFF LOCK SNDR SIGNAL
20	J48B	18	GY	3566555C1	2ND DIFF LOCK SNDR
21	J14HC	18	RD	3567154C1	2 WAY RADIO
22	J74	18	LT GN	3566555C1	HEATER RECIRC
23	J74A	18	LT GN	3566555C1	HEATER RECIRC
24	J23F	18	TN	3566555C1	SNOW VALVE
25	J23H	18	TN	3566555C1	SNOW VALVE
26	J23J	18	TN	3566555C1	SNOW VALVE
26	J71P	18	BK	3566555C1	LFT AXLE EXT CAB
26	J104B	18	DK BL	3566555C1	W/REMOTE START/STOP
27	J23K	18	TN	3566555C1	SNOW VALVE
27	J59RA	18	GY	3566555C1	W/REMOTE START/STOP
27	J59M	18	BK	3566555C1	LFT AXLE EXT CAB
28	J14-G0	18	WH	3567154C1	2 WAY RADIO

CAV	CIR	GA	COLOR	TERM	NOTES
29	J21E	18	TN	3566555C1	ETHER START
29	J82C124	18	TN	3566555C1	WTEC XMSN WRG
30	J87BA	18	GY	3566555C1	WASHER PUMP
30	J87BB	18	GY	3566555C1	WASHER PUMP
31	J23L	18	TN	3566555C1	SNOW VALVE
31	J59J	18	BK	3566555C1	LIFT AXLE EXT CAB
31	J104D	18	DK BL	3566555C1	REMOTE START/STOP
32	J59K	18	BK	3566555C2	LIFT AXLE EXT CAB
32	J42	18	GY	3566555C1	XFER CASE WRNG LT
32	J22B	18	TN	3566555C2	CENT TIRE INFLATION
33	J82D143	18	TN	3566555C1	WTEC XMSN WRG
33	J17C	18	PK	3566555C1	EATON XMSN WRG
34	J41A	18	GY	3566555C1	FWD TEMP SENDER
35	J41	18	GY	3566555C1	FWD TEMP SENDER
36	J82*173	18	TN	3566555C1	WTEC XMSN WRG
36	J82S(+)	20	YL	3566555C1	EATON XMSN WRG
37	J82*128	18	TN	3566555C1	LCT XMSN
37	J82*180	18	TN	3566555C1	WTEC XMSN WRG
37	J82T(-)	20	GN	3566555C1	EATON XMSN WRG
38	J82*110	18	TN	3566555C1	LCT XMSN
38	J82*124	18	TN	3566555C1	WTEC XMSN WRG
38	J82U(S)	20	NONE	3566555C1	EATON XMSN WRG
39	J82*175	18	TN	3566555C1	WTEC XMSN WRG
39	J82AC	18	TN	3566555C1	EATON XMSN WRG
40	J82*174	18	TN	3566555C1	WTEC XMSN WRG
40	J82AD	18	TN	3566555C1	EATON XMSN WRG
40	J44L	18	GY	3566555C1	AUTO APP/REL
41	J82AE	18	TN	3566555C1	EATON XMSN WRG
41	J82D138	18	TN	3566555C1	WTEC XMSN WRG
42	J82*172	18	TN	3566555C1	WTEC XMSN WRG
42	J82Z	18	TN	3566555C1	EATON XMSN WRG
43	J82*171	18	TN	3566555C1	WTEC XMSN WRG
43	J82AA	18	TN	3566555C1	EATON XMSN WRG
44	J82*170	18	TN	3566555C1	WTEC XMSN WRG
44	J82AB	18	TN	3566555C1	EATON XMSN WRG
45	J82APA	18	TN	3566555C1	WTEC!!! W/AUTO NEUT
45	J22A	18	TN	3566555C1	CENT TIRE INFLATION
45	J82*163	18	TN	3566555C1	WTEC XMSN WRG
45	J82AH	18	TN	3566555C1	ULTRASHIFT DM2
46	J98(+)	18	BK	3566555C1	CENT TIRE INFLATION
46	J82*125	18	TN	3566555C1	WTEC XMSN WRG
46	J82AJ	18	TN	3566555C1	ULTRASHIFT DM2
47	J98(-)	18	BK	3566555C1	CENT TIRE INFLATION
47	J82D161	18	TN	3566555C1	WTEC XMSN WRG
48	J12LC	18	PK	3566555C1	LECTRASHIFT PTO
48	J103A	18	LT GN	3566555C1	WRG 40A BDR BDR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	15OCT03	RMVD J59A, ADDED J59RA	F	58232W	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
CNA	BJAN04	DLV1/MULTIPLE CHANGES	G	59006T	P52778H	DATE 26JUN00 PART NO. AE08-52376 SHEET 25

Figure 224 Connector Composite (4014)

12.32. CONNECTOR COMPOSITE (4014/1700), P. 26

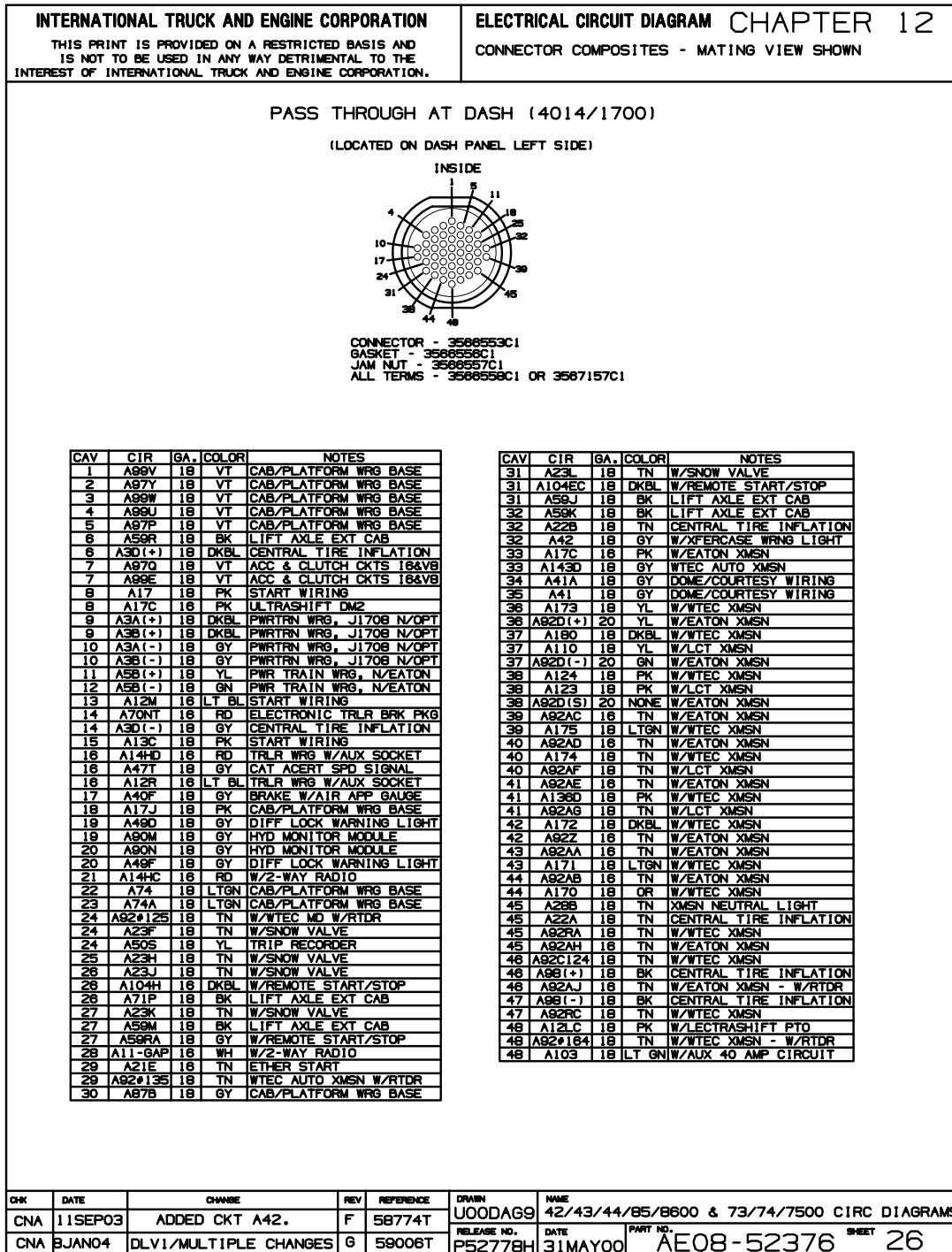


Figure 225 Connector Composite (4014/1700)

12.33. CONNECTOR COMPOSITES (4015), (4017), (4018), (4019), (4020), (4021), (4022), (4023), P. 27

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																							
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																							
WIPER MOTOR (4015) (LOCATED ON EXTERIOR DASH PANEL, CENTER) <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>J82B</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>J82P</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>C</td><td>J82-G</td><td>18</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>D</td><td>J82H</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>E</td><td>J82L</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> </tbody> </table> CONNECTOR - 1661375C2 LOCK - 1661376C1				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	J82B	18	GY	2033819C1	1652325C1	B	J82P	18	GY	2033819C1	1652325C1	C	J82-G	18	WH	2033819C1	1652325C1	D	J82H	18	GY	2033819C1	1652325C1	E	J82L	18	GY	2033819C1	1652325C1	HVAC RECIRC MOTOR (4017) (LOCATED ON EXTERIOR DASH PANEL, RIGHT SIDE) <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>J74</td><td>18</td><td>LT GN</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>C</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>D</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>E</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>F</td><td>J74A</td><td>18</td><td>LT GN</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table> CONNECTOR - 2011340C1 LOCK - 2011364C1 PLUG - 2025431C1				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	J74	18	LT GN	1661875C1	1661872C1	B	PLUG	-	-	-	-	C	PLUG	-	-	-	-	D	PLUG	-	-	-	-	E	PLUG	-	-	-	-	F	J74A	18	LT GN	1661875C1	1661872C1																						
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																						
A	J82B	18	GY	2033819C1	1652325C1																																																																																																						
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CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																						
A	J74	18	LT GN	1661875C1	1661872C1																																																																																																						
B	PLUG	-	-	-	-																																																																																																						
C	PLUG	-	-	-	-																																																																																																						
D	PLUG	-	-	-	-																																																																																																						
E	PLUG	-	-	-	-																																																																																																						
F	J74A	18	LT GN	1661875C1	1661872C1																																																																																																						
A/C ACCUMULATOR THERMISTOR #2 (4018) (LOCATED ON EXTERIOR DASH PANEL RIGHT SIDE) <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>J77A</td><td>20</td><td>LT GN</td><td>3536590C1</td><td></td></tr> <tr><td>B</td><td>J9J</td><td>20</td><td>GY</td><td>3536590C1</td><td></td></tr> </tbody> </table> CONNECTOR - 3535379C1 LOCK - 3536591C1				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	J77A	20	LT GN	3536590C1		B	J9J	20	GY	3536590C1		A/C ACCUMULATOR THERMISTOR #1 (4019) (LOCATED ON EXTERIOR DASH PANEL RIGHT SIDE) <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>J77D</td><td>20</td><td>LT GN</td><td>3536590C1</td><td></td></tr> <tr><td>B</td><td>J9K</td><td>20</td><td>GY</td><td>3536590C1</td><td></td></tr> </tbody> </table> CONNECTOR - 3535379C1 LOCK - 3536591C1				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	J77D	20	LT GN	3536590C1		B	J9K	20	GY	3536590C1																																																																	
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																						
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CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																						
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B	J9K	20	GY	3536590C1																																																																																																							
FUEL FILTER & WARN LIGHTS (4020) (LOCATED NEAR WIPER MOTOR BRACKET) <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>J19A</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>J19B</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>C</td><td>J19C</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> </tbody> </table> DASH HARNESS CONNECTOR - 1668834C1 LOCK - 1664409C1 PLUG - 0587579C1				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	J19A	18	GY	2033819C1	1652325C1	B	J19B	18	GY	2033819C1	1652325C1	C	J19C	18	GY	2033819C1	1652325C1	ENGINE HARNESS <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>J19A</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>J19B</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>C</td><td>J19C</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> </tbody> </table> CONNECTOR - 3553981C1 LOCK - 3554019C1 PLUG - 0587579C1				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	J19A	18	GY	2033819C1	1652325C1	B	J19B	18	GY	2033819C1	1652325C1	C	J19C	18	GY	2033819C1	1652325C1																																																				
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																						
A	J19A	18	GY	2033819C1	1652325C1																																																																																																						
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C	J19C	18	GY	2033819C1	1652325C1																																																																																																						
WASHER PUMP (4021) (LOCATED AT WASHER BOTTLE) <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>J87B</td><td>18</td><td>GY</td><td>3554322C1</td><td>3554318C1</td></tr> <tr><td>2</td><td>J87K</td><td>18</td><td>GY</td><td>3554322C1</td><td>3554318C1</td></tr> </tbody> </table> CONNECTOR - 35554294C1				CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	J87B	18	GY	3554322C1	3554318C1	2	J87K	18	GY	3554322C1	3554318C1	WASHER FLUID LEVEL SENSOR (4022) (LOCATED AT WASHER BOTTLE) <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>J87C</td><td>18</td><td>GY</td><td>3554322C1</td><td>3554318C1</td></tr> <tr><td>2</td><td>J87H</td><td>18</td><td>GY</td><td>3554322C1</td><td>3554318C1</td></tr> </tbody> </table> CONNECTOR - 3554317C1				CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	J87C	18	GY	3554322C1	3554318C1	2	J87H	18	GY	3554322C1	3554318C1																																																																
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																						
1	J87B	18	GY	3554322C1	3554318C1																																																																																																						
2	J87K	18	GY	3554322C1	3554318C1																																																																																																						
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																																						
1	J87C	18	GY	3554322C1	3554318C1																																																																																																						
2	J87H	18	GY	3554322C1	3554318C1																																																																																																						
AIR ABS ECU #2 (4023) (LOCATED NEAR EXTERIOR DASH PANEL LEFT SIDE ON ABS CONTROLLER) <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A1</td><td>J84AH</td><td>18</td><td>GY</td><td>3565443C1</td><td>D1</td><td>J84AC</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>A2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>D2</td><td>J84ATC</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>A3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>D3</td><td>J84ATR</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>B1</td><td>J84AJ</td><td>18</td><td>GY</td><td>3565443C1</td><td>E1</td><td>J84AE</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>B2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>E2</td><td>J84AL</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>B3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>E3</td><td>J84AK</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>C1</td><td>J84AF</td><td>18</td><td>GY</td><td>3565443C1</td><td>F1</td><td>J84AD</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>C2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>F2</td><td>J84AB</td><td>18</td><td>GY</td><td>3565443C1</td></tr> <tr><td>C3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>F3</td><td>J84AA</td><td>18</td><td>GY</td><td>3565443C1</td></tr> </tbody> </table> CONNECTOR - 3554088C1 PLUG - 1687788C1								CAV	CIR	GAUGE	COLOR	TERM	CAV	CIR	GAUGE	COLOR	TERM	A1	J84AH	18	GY	3565443C1	D1	J84AC	18	GY	3565443C1	A2	PLUG	-	-	-	D2	J84ATC	18	GY	3565443C1	A3	PLUG	-	-	-	D3	J84ATR	18	GY	3565443C1	B1	J84AJ	18	GY	3565443C1	E1	J84AE	18	GY	3565443C1	B2	PLUG	-	-	-	E2	J84AL	18	GY	3565443C1	B3	PLUG	-	-	-	E3	J84AK	18	GY	3565443C1	C1	J84AF	18	GY	3565443C1	F1	J84AD	18	GY	3565443C1	C2	PLUG	-	-	-	F2	J84AB	18	GY	3565443C1	C3	PLUG	-	-	-	F3	J84AA	18	GY	3565443C1
CAV	CIR	GAUGE	COLOR	TERM	CAV	CIR	GAUGE	COLOR	TERM																																																																																																		
A1	J84AH	18	GY	3565443C1	D1	J84AC	18	GY	3565443C1																																																																																																		
A2	PLUG	-	-	-	D2	J84ATC	18	GY	3565443C1																																																																																																		
A3	PLUG	-	-	-	D3	J84ATR	18	GY	3565443C1																																																																																																		
B1	J84AJ	18	GY	3565443C1	E1	J84AE	18	GY	3565443C1																																																																																																		
B2	PLUG	-	-	-	E2	J84AL	18	GY	3565443C1																																																																																																		
B3	PLUG	-	-	-	E3	J84AK	18	GY	3565443C1																																																																																																		
C1	J84AF	18	GY	3565443C1	F1	J84AD	18	GY	3565443C1																																																																																																		
C2	PLUG	-	-	-	F2	J84AB	18	GY	3565443C1																																																																																																		
C3	PLUG	-	-	-	F3	J84AA	18	GY	3565443C1																																																																																																		

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
PEC	90CT02	DVD/3554088C1 WAS	C	56507Z	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		2010376C1.			RELEASE NO.	DATE
					P5277BH	26JUN00
						PART NO.
						AE08-52376
						SHEET 27

Figure 226 Connector Composites (4015), (4017), (4018), (4019), (4020), (4021), (4022), (4023)

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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12.34. CONNECTOR COMPOSITES (4024), (4030), (4031), (4032), (4033), (4037), (4038), (4040), (4041), (4070), (4071), P. 28

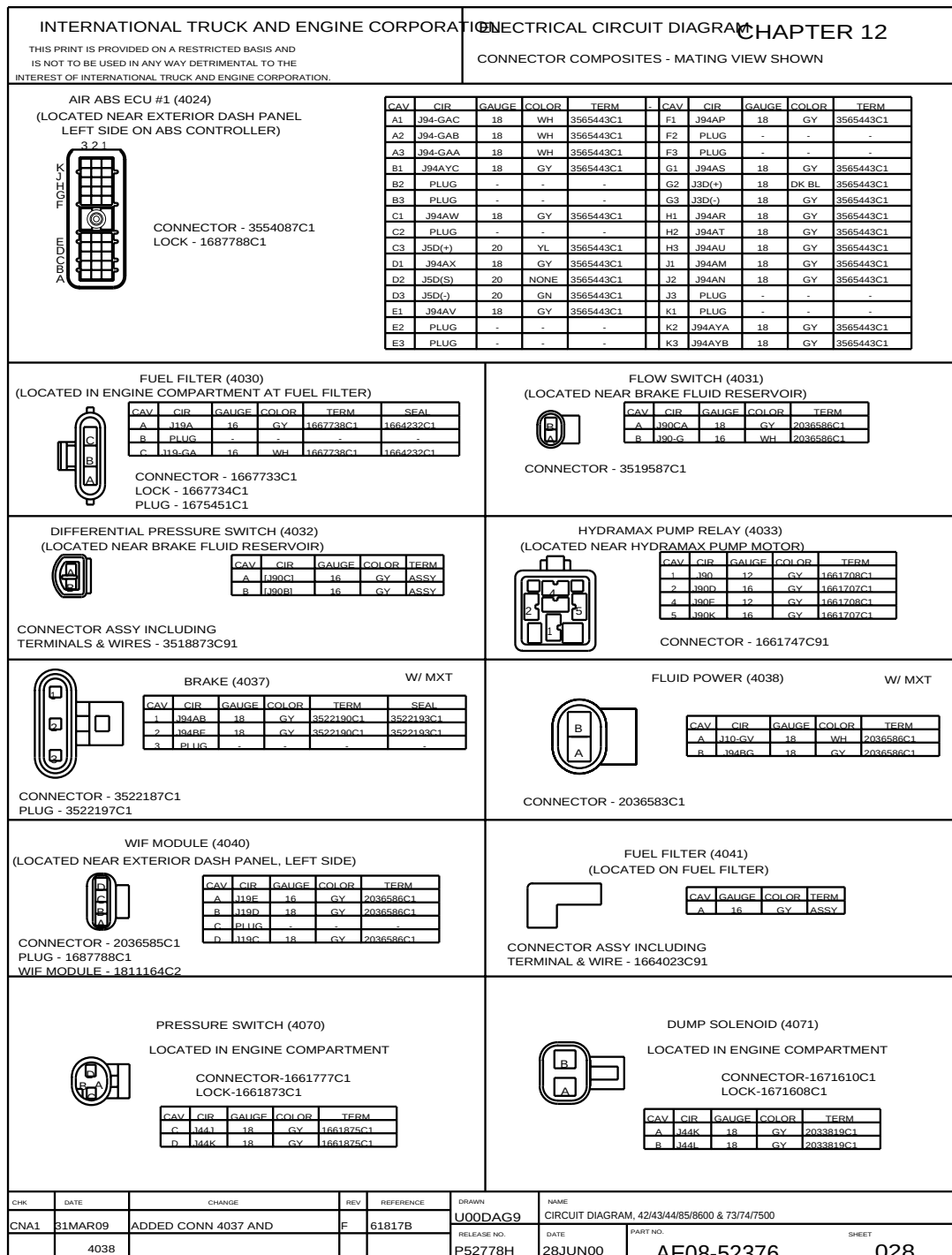


Figure 227 Connector Composites (4024), (4030), (4031), (4032), (4033), (4037), (4038), (4040), (4041), (4070), (4071)

12.35. CONNECTOR COMPOSITES (4087), (4088), (4100), (4101), (4109), (4112), P. 29

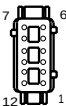
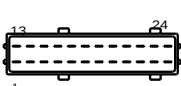
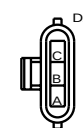
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																																																																																																																							
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																																																																																																																																																							
PAM MODULE(4087) (LOCATED NEAR AIR FILTER IN ENGINE COMPARTMENT)  <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>1</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>2</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>4</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>5</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>6</td><td>J26D</td><td>18</td><td>TN</td><td>3518963C1</td></tr> <tr><td>7</td><td>15P(+)</td><td>20</td><td>VI</td><td>3518963C1</td></tr> <tr><td>8</td><td>15P(-)</td><td>20</td><td>GN</td><td>3518963C1</td></tr> <tr><td>9</td><td>15P(S)</td><td>20</td><td>NONE</td><td>3518963C1</td></tr> <tr><td>10</td><td>J26A</td><td>18</td><td>TN</td><td>3518963C1</td></tr> <tr><td>11</td><td>J26B</td><td>18</td><td>TN</td><td>3518963C1</td></tr> <tr><td>12</td><td>J11-GPM</td><td>18</td><td>WH</td><td>3518963C1</td></tr> </tbody> </table> CONNECTOR - 3553404C1 BODY LOCK - 3553460C1 PLUG - 3527276C1				CAV	CIR	GAUGE	COLOR	TERM	1	PLUG	-	-	-	2	PLUG	-	-	-	3	PLUG	-	-	-	4	PLUG	-	-	-	5	PLUG	-	-	-	6	J26D	18	TN	3518963C1	7	15P(+)	20	VI	3518963C1	8	15P(-)	20	GN	3518963C1	9	15P(S)	20	NONE	3518963C1	10	J26A	18	TN	3518963C1	11	J26B	18	TN	3518963C1	12	J11-GPM	18	WH	3518963C1	AIR SUSPENSION (4098) (LOCATED IN ENGINE COMPARTMENT NEAR LEFT FRAME RAIL) DASH HARNESS  CONNECTOR - 1671610C1 BODY LOCK - 1671608C1 SEAL - 1652325C1 TERMINAL - 2033819C1 (18 AWG) <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> </tr> </thead> <tbody> <tr><td>A</td><td>J61</td><td>16</td><td>GY</td></tr> <tr><td>B</td><td>J61-G</td><td>18</td><td>GY</td></tr> </tbody> </table> CHASSIS HARNESS  CONNECTOR - 1671611C1 BODY LOCK - 1671608C1 SEAL - 1652325C1 TERMINAL - 2033911C1 (18 AWG) <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> </tr> </thead> <tbody> <tr><td>A</td><td>J61A</td><td>16</td><td>GY</td></tr> <tr><td>B</td><td>J61-GA</td><td>16</td><td>WH</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	A	J61	16	GY	B	J61-G	18	GY	CAV	CIR	GAUGE	COLOR	A	J61A	16	GY	B	J61-GA	16	WH																																																																																																																																											
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DASH CONNECTOR (4100)  CONNECTOR - 3558022C1 LOCK - 3558056C1 PLUG - 3532129C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>2</td><td>K99S</td><td>18</td><td>VT</td><td>3559036C1</td><td>3509903C1</td></tr> <tr><td>3</td><td>K97K</td><td>18</td><td>VT</td><td>3559036C1</td><td>3509903C1</td></tr> <tr><td>4</td><td>K97C</td><td>18</td><td>VT</td><td>3559036C1</td><td>3509903C1</td></tr> <tr><td>5</td><td>K99T</td><td>18</td><td>VT</td><td>3559036C1</td><td>3509903C1</td></tr> <tr><td>6</td><td>K97R</td><td>18</td><td>VT</td><td>3559036C1</td><td>3509903C1</td></tr> <tr><td>7</td><td>K5A(+)</td><td>18</td><td>YL</td><td>3559036C1</td><td>3532128C1</td></tr> <tr><td>8</td><td>K5A(-)</td><td>18</td><td>GN</td><td>3559036C1</td><td>3532128C1</td></tr> <tr><td>9</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>10</td><td>K3A(+)</td><td>18</td><td>DKBL</td><td>3559036C1</td><td>3509903C1</td></tr> <tr><td>11</td><td>K3A(-)</td><td>18</td><td>GY</td><td>3559036C1</td><td>3509903C1</td></tr> <tr><td>12</td><td>K21B</td><td>18</td><td>TN</td><td>3559036C1</td><td>3509903C1</td></tr> <tr><td>13</td><td>K97DE</td><td>18</td><td>VT</td><td>3559036C1</td><td>3509903C1</td></tr> <tr><td>14</td><td>K23A</td><td>18</td><td>TN</td><td>3559036C1</td><td>3509903C1</td></tr> <tr><td>14</td><td>K23A</td><td>16</td><td>TN</td><td>3559037C1</td><td>3509903C1</td></tr> <tr><td>14</td><td>K97DF</td><td>18</td><td>VT</td><td>3559036C1</td><td>3509903C1</td></tr> <tr><td>14</td><td>K23A</td><td>16</td><td>TN</td><td>3559037C1</td><td>3509903C1</td></tr> <tr><td>14</td><td>K23A</td><td>16</td><td>TN</td><td>3559037C1</td><td>3509903C1</td></tr> <tr><td>15</td><td>K23</td><td>18</td><td>TN</td><td>3559036C1</td><td>3509903C1</td></tr> <tr><td>15</td><td>K23</td><td>18</td><td>TN</td><td>3559036C1</td><td>3509903C1</td></tr> <tr><td>15</td><td>K24B</td><td>16</td><td>GY</td><td>3559037C1</td><td>3509903C1</td></tr> <tr><td>16</td><td>K24A</td><td>18</td><td>GY</td><td>3559036C1</td><td>3509903C1</td></tr> <tr><td>17</td><td>K17M</td><td>18</td><td>WH</td><td>3559036C1</td><td>3509903C1</td></tr> <tr><td>17</td><td>K17K</td><td>18</td><td>PK</td><td>3559036C1</td><td>3509903C1</td></tr> <tr><td>18</td><td>K97J</td><td>16</td><td>VT</td><td>3559037C1</td><td>3509903C1</td></tr> <tr><td>19</td><td>K97M</td><td>16</td><td>VT</td><td>3559037C1</td><td>3509903C1</td></tr> <tr><td>20</td><td>K77A</td><td>16</td><td>LTGN</td><td>3559037C1</td><td>3509903C1</td></tr> <tr><td>21</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>22</td><td>K26A</td><td>18</td><td>TN</td><td>3559036C1</td><td>3509903C1</td></tr> <tr><td>23</td><td>K26B</td><td>18</td><td>TN</td><td>3559036C1</td><td>3509903C1</td></tr> <tr><td>24</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	PLUG	-	-	-	-	2	K99S	18	VT	3559036C1	3509903C1	3	K97K	18	VT	3559036C1	3509903C1	4	K97C	18	VT	3559036C1	3509903C1	5	K99T	18	VT	3559036C1	3509903C1	6	K97R	18	VT	3559036C1	3509903C1	7	K5A(+)	18	YL	3559036C1	3532128C1	8	K5A(-)	18	GN	3559036C1	3532128C1	9	PLUG	-	-	-	-	10	K3A(+)	18	DKBL	3559036C1	3509903C1	11	K3A(-)	18	GY	3559036C1	3509903C1	12	K21B	18	TN	3559036C1	3509903C1	13	K97DE	18	VT	3559036C1	3509903C1	14	K23A	18	TN	3559036C1	3509903C1	14	K23A	16	TN	3559037C1	3509903C1	14	K97DF	18	VT	3559036C1	3509903C1	14	K23A	16	TN	3559037C1	3509903C1	14	K23A	16	TN	3559037C1	3509903C1	15	K23	18	TN	3559036C1	3509903C1	15	K23	18	TN	3559036C1	3509903C1	15	K24B	16	GY	3559037C1	3509903C1	16	K24A	18	GY	3559036C1	3509903C1	17	K17M	18	WH	3559036C1	3509903C1	17	K17K	18	PK	3559036C1	3509903C1	18	K97J	16	VT	3559037C1	3509903C1	19	K97M	16	VT	3559037C1	3509903C1	20	K77A	16	LTGN	3559037C1	3509903C1	21	PLUG	-	-	-	-	22	K26A	18	TN	3559036C1	3509903C1	23	K26B	18	TN	3559036C1	3509903C1	24	PLUG	-	-	-	-	DASH CONNECTOR STARTER/CEC POWER (4101)  CONNECTOR-1667733C1 * W/ MXT <table border="1" style="width: 100%; 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Figure 228 Connector Composites (4087), (4088), (4100), (4101), (4109), (4112)

3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

229

12.36. CONNECTOR COMPOSITE (4103), P. 30

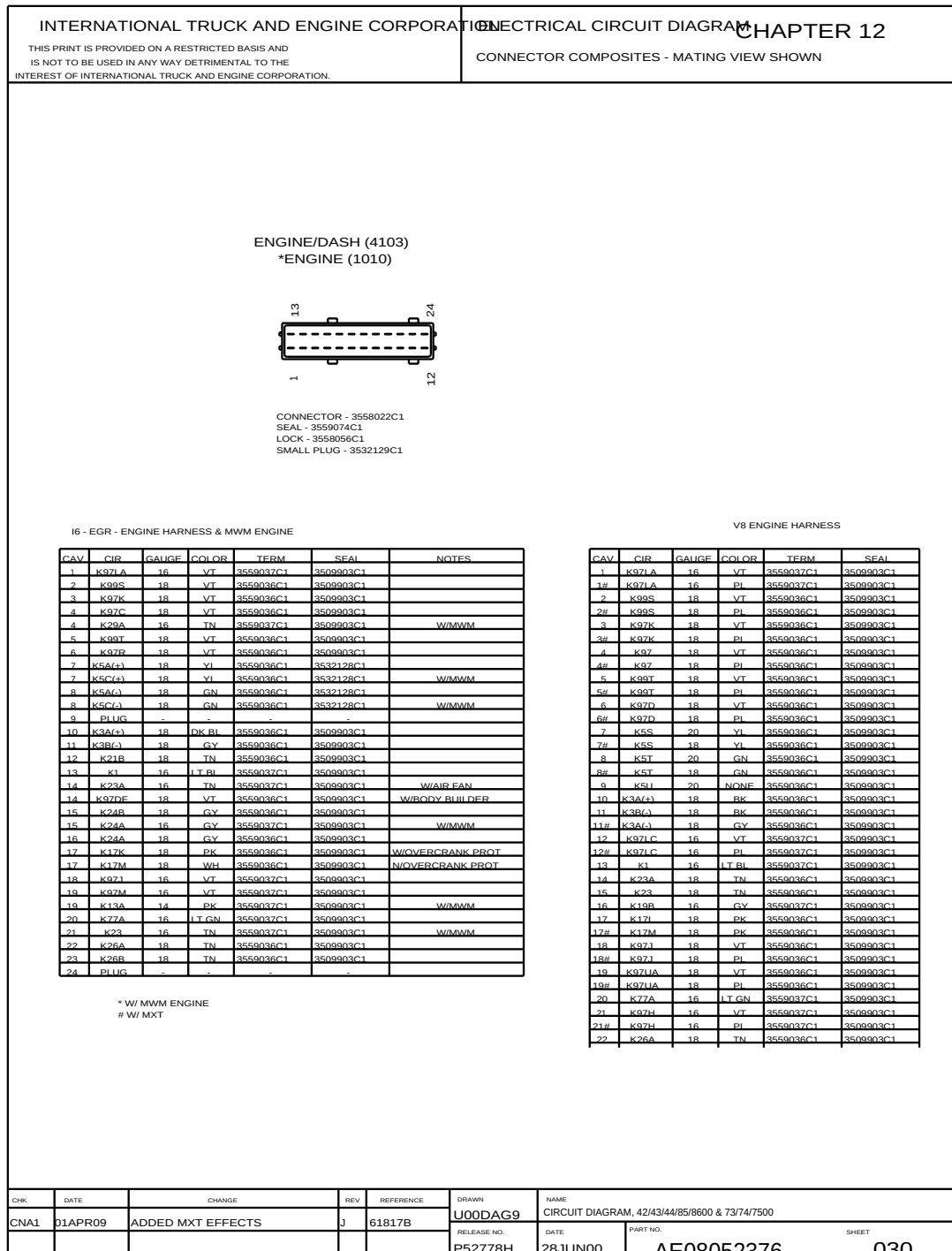


Figure 229 Connector Composite (4103)

12.37. CONNECTOR COMPOSITE (4103), P. 30A

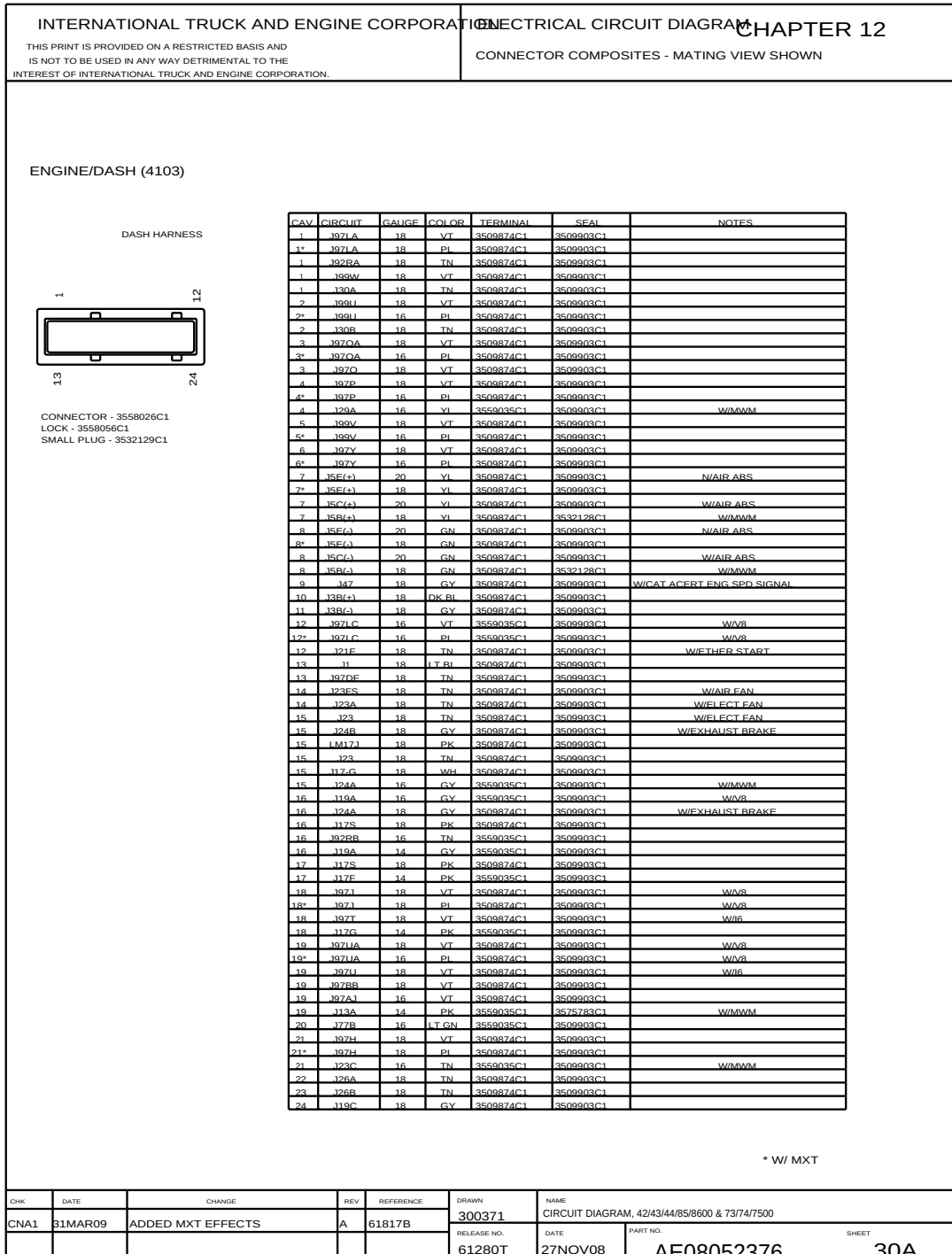


Figure 230 Connector Composite (4103)

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

231

12.38. CONNECTOR COMPOSITES (4105), (4111), (4120), (4301), P. 31

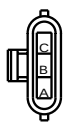
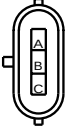
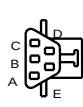
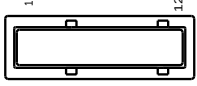
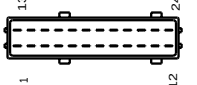
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ABS	1	M94A	14	BL	3559037C1	3558022C1	W/WABCO AIR	2	M94A	18	GY	3559036C1	3509903C1	W/AIR ABS	2	M5	18	GY	3559036C1	3509903C1	W/AUX AIR	2	M94AA	14	GN	3559037C1	3558022C1	W/WABCO AIR	3	M40	18	GY	3559036C1	3509903C1	W/AUX AIR	3	M94B	18	GY	3559036C1	3509903C1	W/AIR ABS	3	M94AB	14	BN	3559037C1	3558022C1	W/WABCO AIR	4	M52B	14	YL	3559037C1	3509903C1		5	M53	14	YL	3559037C1	3509903C1		6	M94C	18	GY	3559036C1	3509903C1	W/AIR ABS	6	M94H	18	BK	3559036C1	3509903C1	W/HYD ABS	6	M94AC	18	BN	3559036C1	3558022C1	W/WABCO AIR	7	M94D	18	GY	3559036C1	3509903C1	W/AIR ABS	7	M94M	18	BN	3559036C1	3509903C1	W/HYD ABS	7	M94AD	18	BK	3559036C1	3558022C1	W/WABCO AIR	8	M9	20	GY	3559036C1	3532128C1		9	M56B	16	OR	3559037C1	3509903C1		10	M85E	16	GY	3559037C1	3509903C1		10*	M85M	16	GY	3559037C1	3509903C1		11	M57B	16	OR	3559037C1	3509903C1		12	M56B	14	BN	3559037C1	3509903C1		13	M11-G	12	WH	3559037C1	3509903C1		14	M94E	18	GY	3559036C1	3509903C1	W/AIR ABS	14	M94N	18	BK	3559036C1	3509903C1	W/HYD ABS	14	M94AF	18	BN	3559036C1	3558022C1	W/WABCO AIR	15	M94E	18	GY	3559036C1	3509903C1	W/AIR ABS	15	M94D	18	BN	3559036C1	3509903C1	W/HYD ABS	15	M94AF	18	BK	3559036C1	3558022C1	W/WABCO AIR	16	M94H	18	GY	3559036C1	3509903C1		16	M94AH	14	BL	3559037C1	3558022C1	W/WABCO AIR	17	M94I	18	GY	3559036C1	3509903C1		17	M94A	14	GN	3559037C1	3558022C1	W/WABCO AIR	18	M94K	18	GY	3559036C1	3509903C1		18	M94AK	14	BN	3559037C1	3558022C1	W/WABCO AIR	19	M21C	18	TN	3559036C1	3509903C1		20	M64	16	YL	3559037C1	3509903C1	W/FOG LIGHTS	21	M78H	16	LT GN	3559037C1	3509903C1		22	M21D	18	TN	3559036C1	3509903C1		23	M77	20	LT GN	3559036C1	3532128C1		24	M6	20	GY	3559036C1	3532128C1		FORWARD CHASSIS/DASH (4301) DASH HARNESS <table border="1" style="font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> <th>NOTES</th> </tr> </thead> <tbody> <tr><td>1</td><td>394AP</td><td>18</td><td>GY</td><td>3509874C1</td><td>3509903C1</td><td>W/AIR ABS</td></tr> 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ABS	14	394HT	18	GY	3509874C1	3509903C1	W/HYD ABS	14*	394N	18	BK	3509874C1	3509903C1		15	394AU	18	GY	3509874C1	3509903C1	W/AIR ABS	15	394HU	18	GY	3509874C1	3509903C1	W/HYD ABS	15*	394P	18	BN	3509874C1	3509903C1		16	394AV	18	GY	3509874C1	3509903C1		17	394AW	18	GY	3509874C1	3509903C1		18	394AX	18	GY	3509874C1	3509903C1		19	321E	18	TN	3509874C1	3509903C1		20	364A	12	BN	3559035C1	3509903C1	W/FOG LIGHTS	21	378K	16	LT GN	3559035C1	3509903C1		22	321E	18	TN	3509874C1	3509903C1		23	377C	20	LT GN	3509874C1	3532128C1		24	36E	18	LT GN	3509874C1	3509903C1	
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Figure 231 Connector Composites (4105), (4111), (4120), (4301)

12.39. CONNECTOR COMPOSITES (4305), (4410), (4410B), (4410C), (4410D), (4410E), (4410H), (4410M), (4411), P. 32

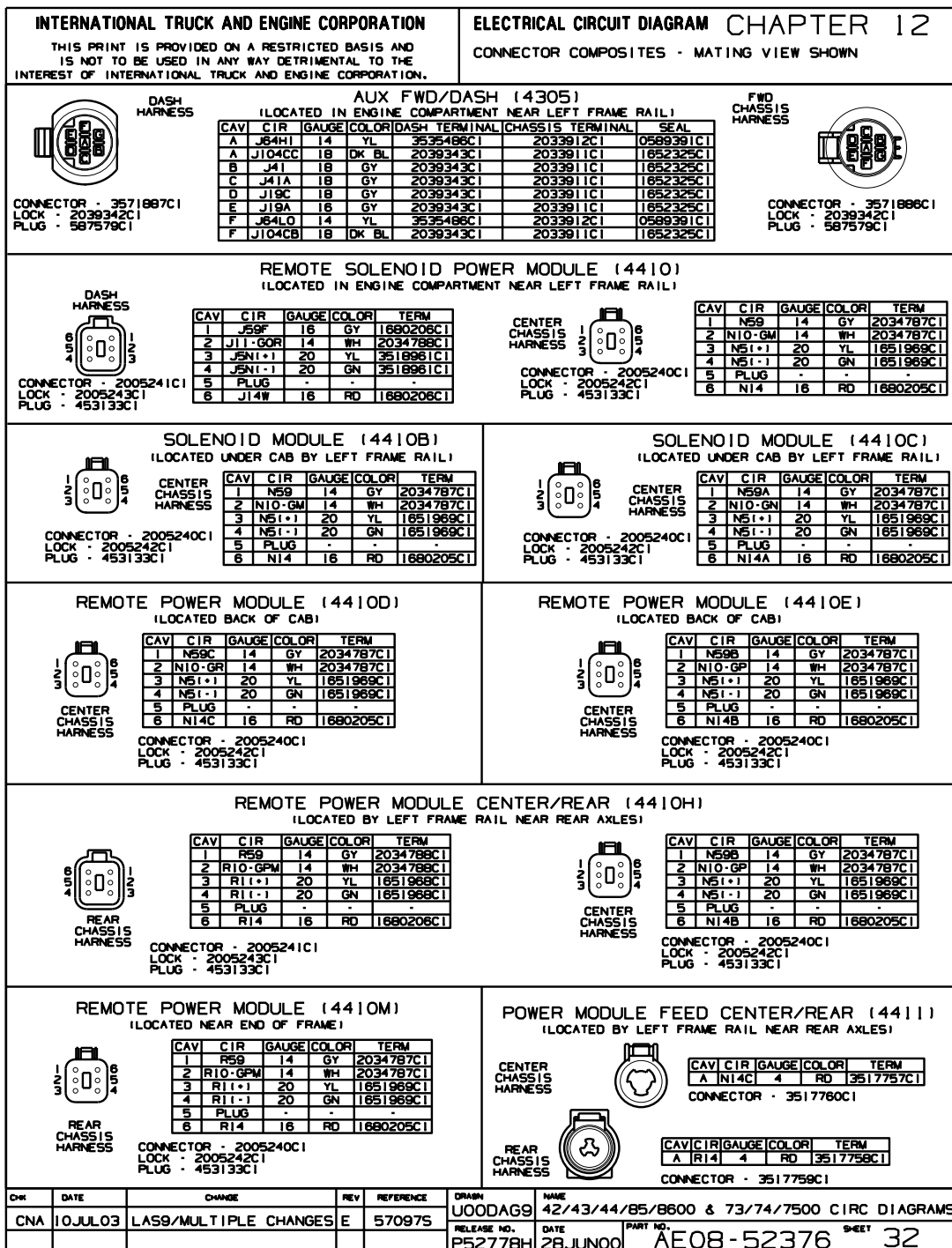


Figure 232 Connector Composites (4305), (4410), (4410B), (4410C), (4410D), (4410E), (4410H), (4410M), (4411)

12.40. CONNECTOR COMPOSITES (4411A), (4411B), (4412), (4415), (4450), (4450A), (4460A), (4460), P. 33

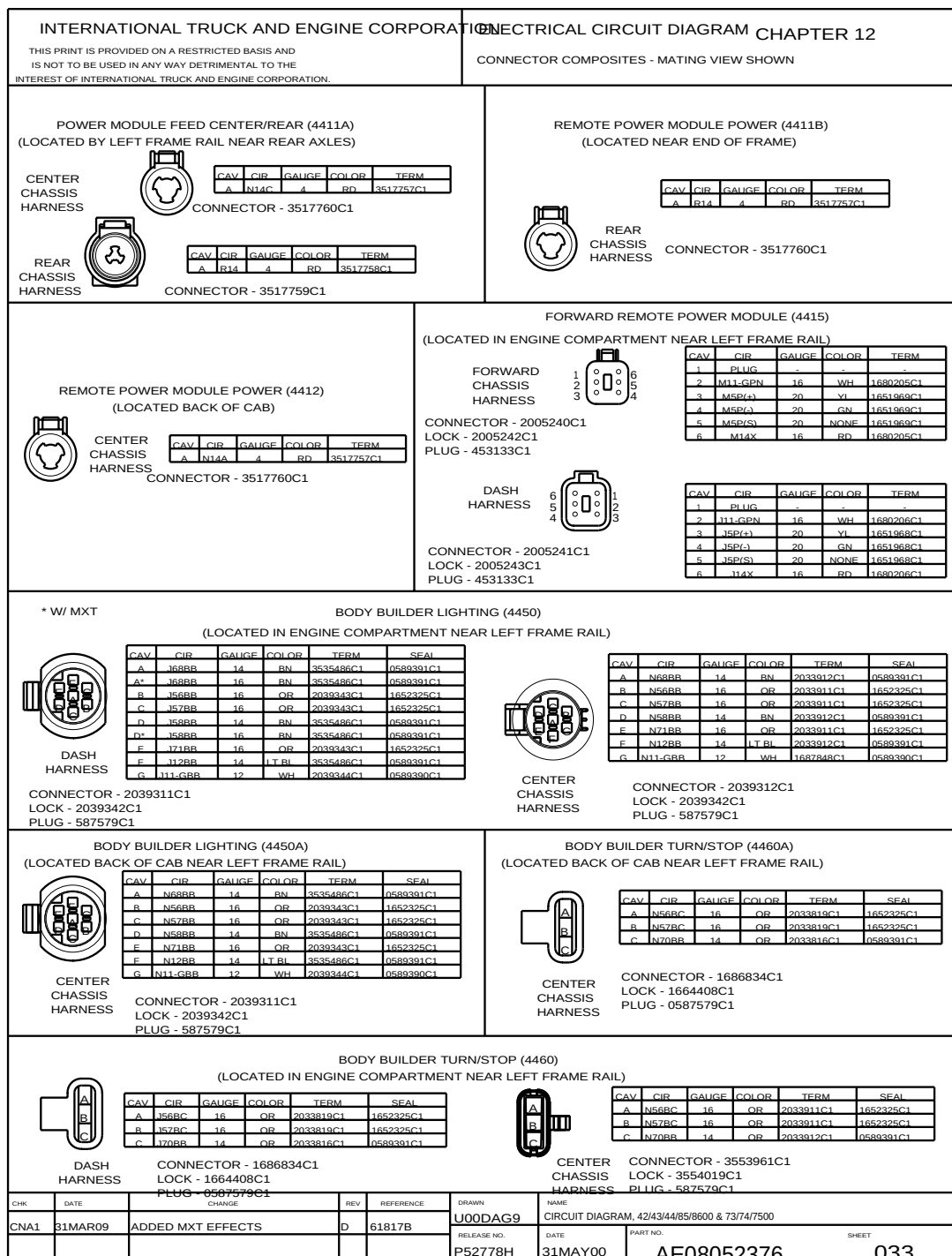


Figure 233 Connector Composites (4411A), (4411B), (4412), (4415), (4450), (4450A), (4460A), (4460)

12.41. CONNECTOR COMPOSITE (4705), P. 34

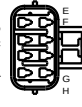
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21	J92#163	16	TN	3509874C1	3532128C1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <tr> <th>CHK</th> <th>DATE</th> <th>CHANGE</th> <th>REV</th> <th>REFERENCE</th> <th>DRAWN</th> <th>NAME</th> </tr> <tr> <td>CNA1</td> <td>01APR09</td> <td>ADDED MXT EFFECTS</td> <td>E</td> <td>61817B</td> <td>U00DAG9</td> <td>CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>RELEASE NO.</td> <td>PART NO.</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>P52778H</td> <td>31MAY00</td> </tr> </table> AE08052376 034						CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	CNA1	01APR09	ADDED MXT EFFECTS	E	61817B	U00DAG9	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500						RELEASE NO.	PART NO.						P52778H	31MAY00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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Figure 234 Connector Composite (4705)

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

235

12.42. CONNECTOR COMPOSITES (4705F32), (4705F3), (4712F), (4713F), (4810), (4820), (4830), P. 35

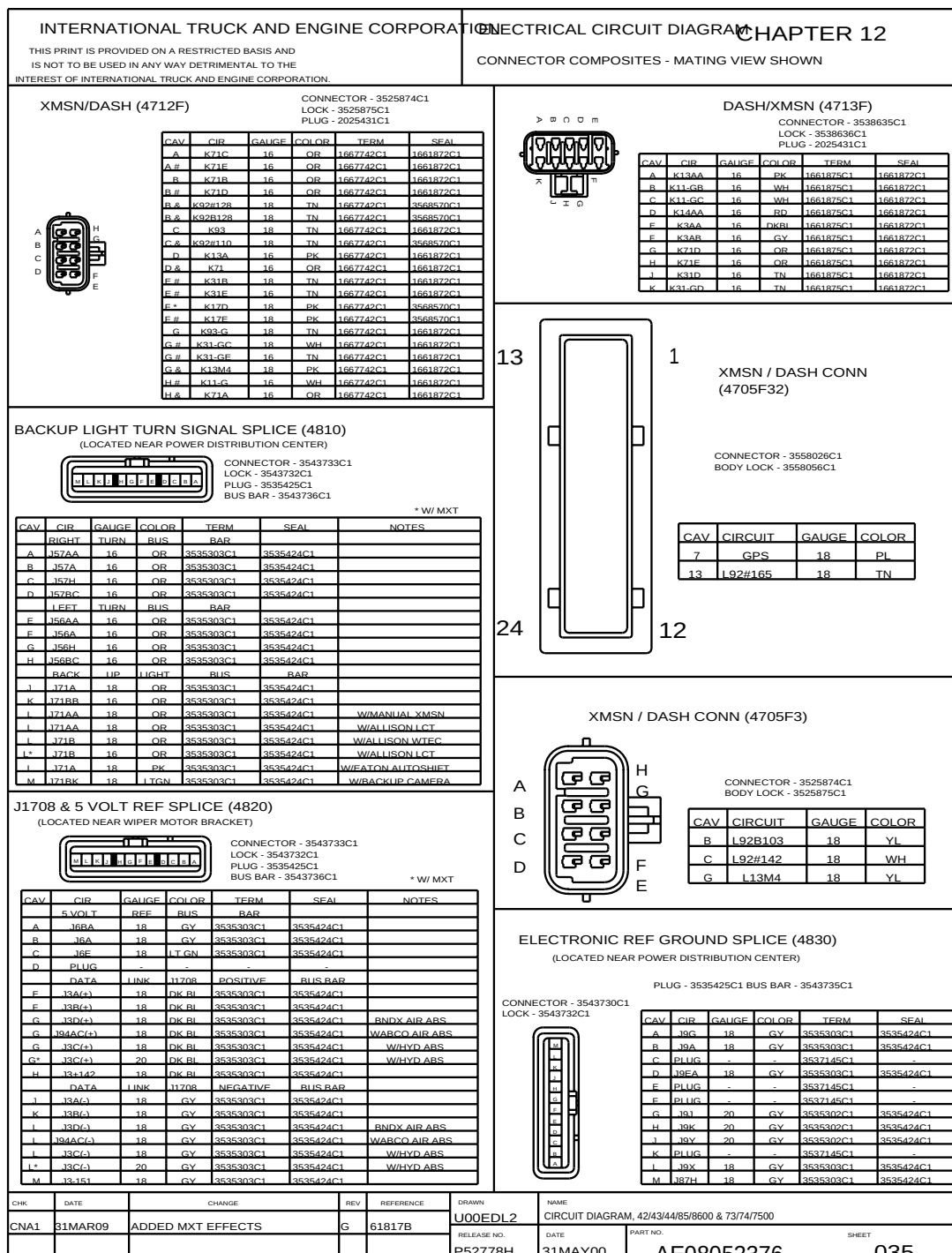
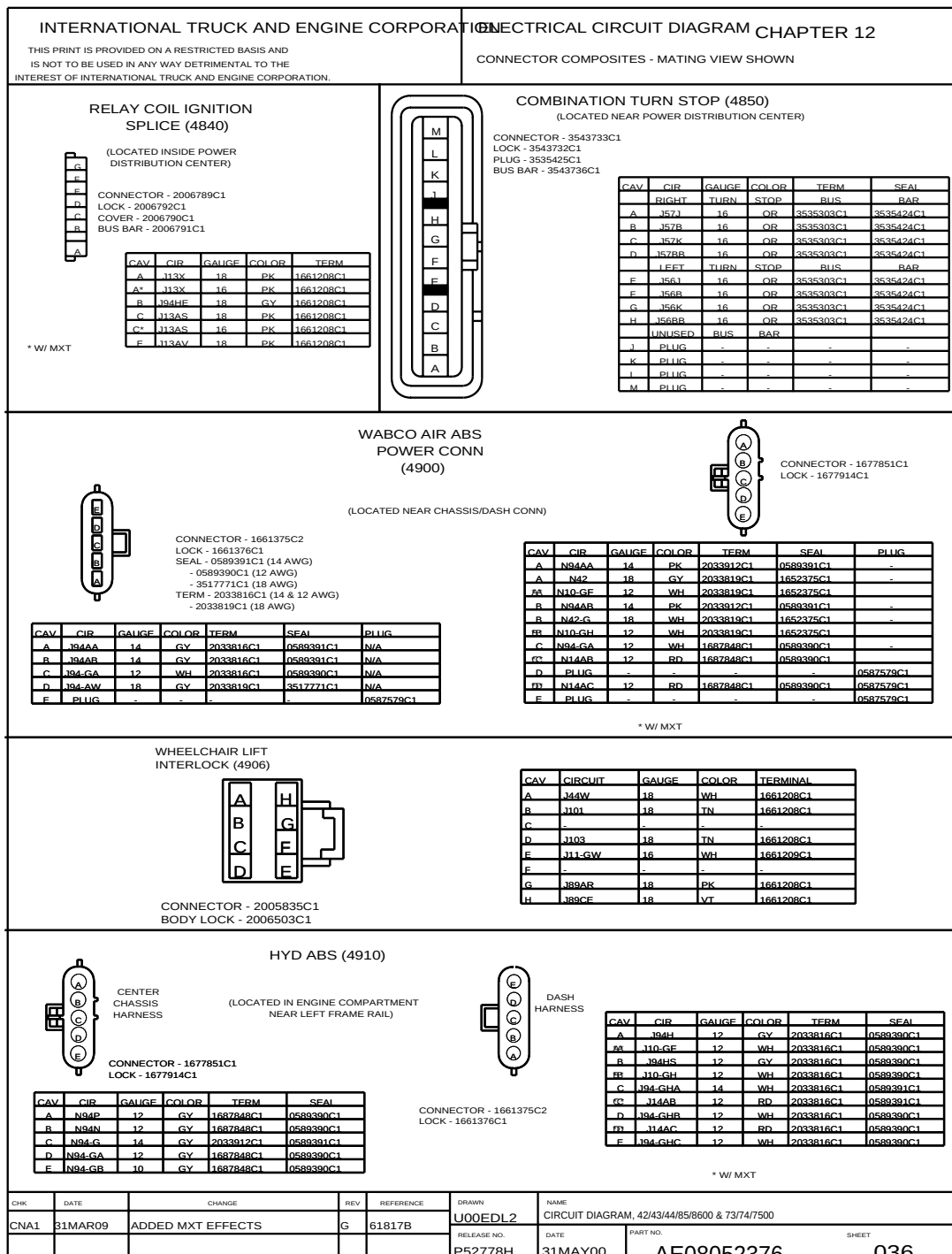


Figure 235 Connector Composites (4705F32), (4705F3), (4712F), (4713F), (4810), (4820), (4830)

12.43. CONNECTOR COMPOSITES (4840), (4850), (4900), (4906), (4910), P. 36


3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

237

12.44. CONNECTOR COMPOSITES (4921), (4922), (4950), (4953), (4954), P. 36A

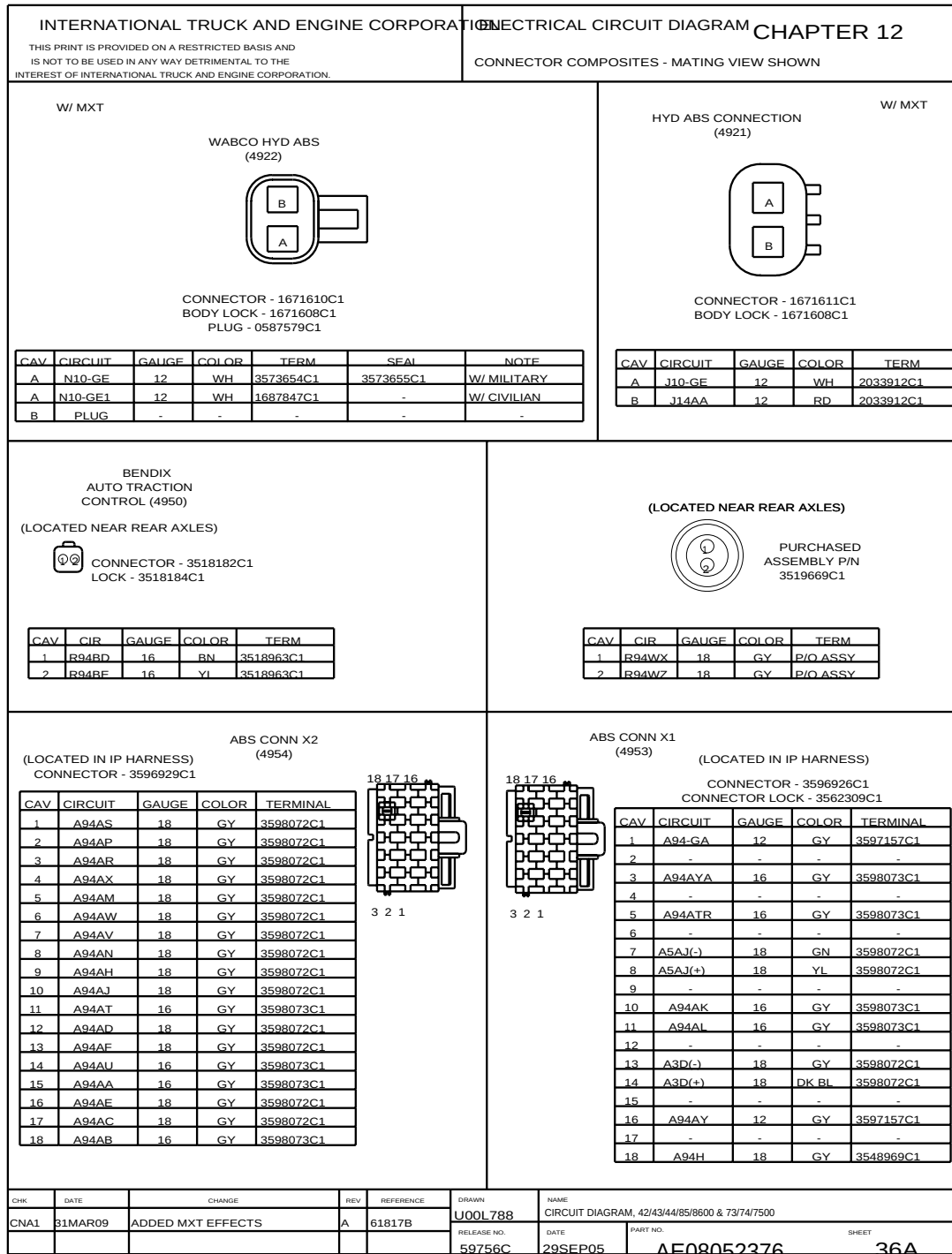


Figure 237 Connector Composites (4921), (4922), (4950), (4953), (4954)

12.45. CONNECTOR COMPOSITES (6007), (6011), P. 37

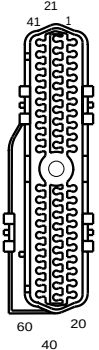
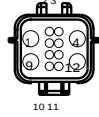
INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																																																																																																																																																																																																																																																				
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.					CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																																																																																																																																																																																																																																																																																				
CEC (6007) (LOCATED ON ENGINE ECM)  CONNECTOR - 3541979C1 LOCK - 2041418C1 PLUG - 2041421C2 COVER - 3541958C91					<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>NOTES</th> </tr> </thead> <tbody> <tr><td>1</td><td>K97V</td><td>14</td><td>VT</td><td>2041420C1</td><td>31</td><td>K46A</td><td>18</td><td>GY</td><td>2041419C1</td><td></td></tr> <tr><td>2</td><td>K97P</td><td>14</td><td>VT</td><td>2041420C1</td><td>32</td><td>K46B</td><td>18</td><td>GY</td><td>2041419C1</td><td></td></tr> <tr><td>3</td><td>K97C</td><td>18</td><td>VT</td><td>2041419C1</td><td>33</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td></td></tr> <tr><td>4</td><td>K97HF</td><td>18</td><td>VT</td><td>2041419C1</td><td>34</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td></td></tr> <tr><td>5</td><td>K97DD</td><td>18</td><td>VT</td><td>2041419C1</td><td>35</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td></td></tr> <tr><td>6</td><td>K97HM</td><td>18</td><td>VT</td><td>2041419C1</td><td>36</td><td>K97CC</td><td>18</td><td>VT</td><td>2041419C1</td><td></td></tr> <tr><td>7</td><td>K97WA</td><td>18</td><td>VT</td><td>2041419C1</td><td>37</td><td>K97CB</td><td>18</td><td>VT</td><td>2041419C1</td><td></td></tr> <tr><td>8</td><td>K99T</td><td>18</td><td>VT</td><td>2041419C1</td><td>38</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td></td></tr> <tr><td>9</td><td>K97XC</td><td>18</td><td>VT</td><td>2041419C1</td><td>39</td><td>K47</td><td>18</td><td>GY</td><td>2041419C1</td><td></td></tr> <tr><td>10</td><td>K34A</td><td>18</td><td>TN</td><td>2041419C1</td><td>40</td><td>K47A</td><td>18</td><td>GY</td><td>2041419C1</td><td></td></tr> <tr><td>11</td><td>K97D</td><td>18</td><td>VT</td><td>2041419C1</td><td>41</td><td>K97I</td><td>14</td><td>PI</td><td>2041420C1</td><td></td></tr> <tr><td>12</td><td>K97E</td><td>16</td><td>VT</td><td>2041420C1</td><td>42</td><td>K97Y</td><td>14</td><td>VT</td><td>2041420C1</td><td></td></tr> <tr><td>13</td><td>K97EA</td><td>18</td><td>VT</td><td>2041419C1</td><td>43</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td></td></tr> <tr><td>14</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td>44</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td></td></tr> <tr><td>15</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td>45</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td></td></tr> <tr><td>16</td><td>K3A(+)</td><td>18</td><td>DK BL</td><td>2041419C1</td><td>46</td><td>K17M</td><td>18</td><td>WH</td><td>2041419C1</td><td></td></tr> <tr><td>17</td><td>K3B(-)</td><td>18</td><td>GY</td><td>2041419C1</td><td>46</td><td>K17L</td><td>18</td><td>PK</td><td>2041419C1</td><td></td></tr> <tr><td>18</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td>47</td><td>K24A</td><td>18</td><td>GY</td><td>2041419C1</td><td>NIOVECRANK PROT</td></tr> <tr><td>19</td><td>K5B(+)</td><td>18</td><td>YL</td><td>2041419C1</td><td>48</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td>WIOVECRANK PROT</td></tr> <tr><td>20</td><td>K5B(-)</td><td>18</td><td>GN</td><td>2041419C1</td><td>49</td><td>K97HG</td><td>18</td><td>VT</td><td>2041419C1</td><td></td></tr> <tr><td>21</td><td>K97E</td><td>14</td><td>PI</td><td>2041420C1</td><td>50</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td></td></tr> <tr><td>22</td><td>K97Z</td><td>14</td><td>PI</td><td>2041420C1</td><td>51</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td></td></tr> <tr><td>23</td><td>K97N</td><td>14</td><td>VT</td><td>2041420C1</td><td>52</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td></td></tr> <tr><td>24</td><td>K97M</td><td>16</td><td>VT</td><td>2041420C1</td><td>53</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td></td></tr> <tr><td>25</td><td>K97J</td><td>16</td><td>VT</td><td>2041420C1</td><td>54</td><td>K97WI</td><td>18</td><td>VT</td><td>2041419C1</td><td></td></tr> <tr><td>26</td><td>K17B</td><td>18</td><td>VT</td><td>2041419C1</td><td>55</td><td>K97EW</td><td>18</td><td>VT</td><td>2041419C1</td><td></td></tr> <tr><td>27</td><td>K99S</td><td>18</td><td>VT</td><td>2041419C1</td><td>56</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td></td></tr> <tr><td>28</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td>57</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td></td></tr> <tr><td>29</td><td>K97K</td><td>18</td><td>VT</td><td>2041419C1</td><td>58</td><td>K47B</td><td>18</td><td>GY</td><td>2041419C1</td><td></td></tr> <tr><td>30</td><td>K99E</td><td>18</td><td>VT</td><td>2041419C1</td><td>59</td><td>K97AR</td><td>18</td><td>VT</td><td>2041419C1</td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>60</td><td>PLUG</td><td>-</td><td>-</td><td>2663105C1</td><td></td></tr> </tbody> </table>					CAV	CIR	GAUGE	COLOR	TERM	CAV	CIR	GAUGE	COLOR	TERM	NOTES	1	K97V	14	VT	2041420C1	31	K46A	18	GY	2041419C1		2	K97P	14	VT	2041420C1	32	K46B	18	GY	2041419C1		3	K97C	18	VT	2041419C1	33	PLUG	-	-	2663105C1		4	K97HF	18	VT	2041419C1	34	PLUG	-	-	2663105C1		5	K97DD	18	VT	2041419C1	35	PLUG	-	-	2663105C1		6	K97HM	18	VT	2041419C1	36	K97CC	18	VT	2041419C1		7	K97WA	18	VT	2041419C1	37	K97CB	18	VT	2041419C1		8	K99T	18	VT	2041419C1	38	PLUG	-	-	2663105C1		9	K97XC	18	VT	2041419C1	39	K47	18	GY	2041419C1		10	K34A	18	TN	2041419C1	40	K47A	18	GY	2041419C1		11	K97D	18	VT	2041419C1	41	K97I	14	PI	2041420C1		12	K97E	16	VT	2041420C1	42	K97Y	14	VT	2041420C1		13	K97EA	18	VT	2041419C1	43	PLUG	-	-	2663105C1		14	PLUG	-	-	2663105C1	44	PLUG	-	-	2663105C1		15	PLUG	-	-	2663105C1	45	PLUG	-	-	2663105C1		16	K3A(+)	18	DK BL	2041419C1	46	K17M	18	WH	2041419C1		17	K3B(-)	18	GY	2041419C1	46	K17L	18	PK	2041419C1		18	PLUG	-	-	2663105C1	47	K24A	18	GY	2041419C1	NIOVECRANK PROT	19	K5B(+)	18	YL	2041419C1	48	PLUG	-	-	2663105C1	WIOVECRANK PROT	20	K5B(-)	18	GN	2041419C1	49	K97HG	18	VT	2041419C1		21	K97E	14	PI	2041420C1	50	PLUG	-	-	2663105C1		22	K97Z	14	PI	2041420C1	51	PLUG	-	-	2663105C1		23	K97N	14	VT	2041420C1	52	PLUG	-	-	2663105C1		24	K97M	16	VT	2041420C1	53	PLUG	-	-	2663105C1		25	K97J	16	VT	2041420C1	54	K97WI	18	VT	2041419C1		26	K17B	18	VT	2041419C1	55	K97EW	18	VT	2041419C1		27	K99S	18	VT	2041419C1	56	PLUG	-	-	2663105C1		28	PLUG	-	-	2663105C1	57	PLUG	-	-	2663105C1		29	K97K	18	VT	2041419C1	58	K47B	18	GY	2041419C1		30	K99E	18	VT	2041419C1	59	K97AR	18	VT	2041419C1							60	PLUG	-	-	2663105C1	
CAV	CIR	GAUGE	COLOR	TERM	CAV	CIR	GAUGE	COLOR	TERM	NOTES																																																																																																																																																																																																																																																																																																																																																															
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2	K97P	14	VT	2041420C1	32	K46B	18	GY	2041419C1																																																																																																																																																																																																																																																																																																																																																																
3	K97C	18	VT	2041419C1	33	PLUG	-	-	2663105C1																																																																																																																																																																																																																																																																																																																																																																
4	K97HF	18	VT	2041419C1	34	PLUG	-	-	2663105C1																																																																																																																																																																																																																																																																																																																																																																
5	K97DD	18	VT	2041419C1	35	PLUG	-	-	2663105C1																																																																																																																																																																																																																																																																																																																																																																
6	K97HM	18	VT	2041419C1	36	K97CC	18	VT	2041419C1																																																																																																																																																																																																																																																																																																																																																																
7	K97WA	18	VT	2041419C1	37	K97CB	18	VT	2041419C1																																																																																																																																																																																																																																																																																																																																																																
8	K99T	18	VT	2041419C1	38	PLUG	-	-	2663105C1																																																																																																																																																																																																																																																																																																																																																																
9	K97XC	18	VT	2041419C1	39	K47	18	GY	2041419C1																																																																																																																																																																																																																																																																																																																																																																
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11	K97D	18	VT	2041419C1	41	K97I	14	PI	2041420C1																																																																																																																																																																																																																																																																																																																																																																
12	K97E	16	VT	2041420C1	42	K97Y	14	VT	2041420C1																																																																																																																																																																																																																																																																																																																																																																
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18	PLUG	-	-	2663105C1	47	K24A	18	GY	2041419C1	NIOVECRANK PROT																																																																																																																																																																																																																																																																																																																																																															
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Figure 238 Connector Composites (6007), (6011)

12.46. CONNECTOR COMPOSITES (6013M), (6014), (6015), P. 38

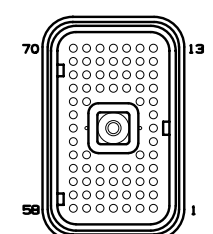
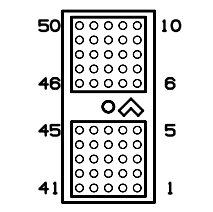
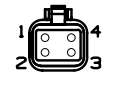
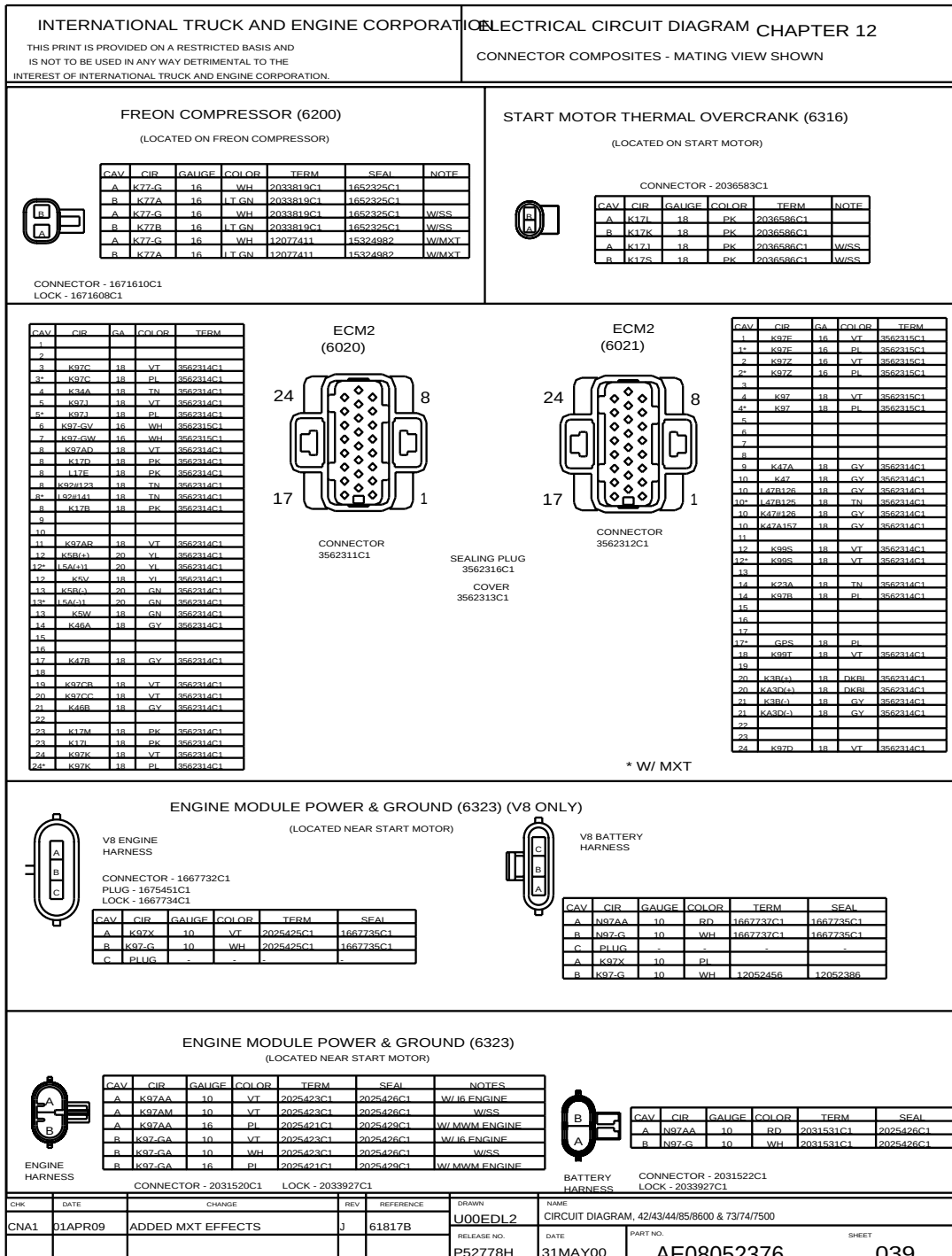
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THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																																																																																																																																																																																																																																																																																											
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<tr><td>14</td><td>PLUG</td><td></td><td></td><td></td><td>49</td><td>K34C</td><td>16</td><td>TN</td><td>3526966C1</td></tr> <tr><td>15</td><td>PLUG</td><td></td><td></td><td></td><td>50</td><td>K5V</td><td>20</td><td>YL</td><td>3547816C1</td></tr> <tr><td>16</td><td>PLUG</td><td></td><td></td><td></td><td>51</td><td>PLUG</td><td></td><td></td><td></td></tr> <tr><td>17</td><td>PLUG</td><td></td><td></td><td></td><td>52</td><td>K97AS</td><td>14</td><td>VT</td><td>3526966C1</td></tr> <tr><td>18</td><td>PLUG</td><td></td><td></td><td></td><td>53</td><td>K97AT</td><td>14</td><td>VT</td><td>3526966C1</td></tr> <tr><td>19</td><td>PLUG</td><td></td><td></td><td></td><td>54</td><td>K34D</td><td>16</td><td>TN</td><td>3526966C1</td></tr> <tr><td>20</td><td>PLUG</td><td></td><td></td><td></td><td>55</td><td>PLUG</td><td></td><td></td><td></td></tr> <tr><td>21</td><td>PLUG</td><td></td><td></td><td></td><td>56</td><td>PLUG</td><td></td><td></td><td></td></tr> 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ECM POWER (6015)  CONNECTOR - 3557533C1 WEDGE - 3557533C1 TERMINAL - 3557534C1				<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>NOTES</th></tr> </thead> <tbody> <tr><td>1</td><td>K10-GV</td><td>12</td><td>WH</td><td></td></tr> <tr><td>2</td><td>K97U2</td><td>12</td><td>VT</td><td>N/2004 ISM ENGINES</td></tr> <tr><td>2</td><td>PLUG</td><td></td><td></td><td></td></tr> <tr><td>3</td><td>PLUG</td><td></td><td></td><td></td></tr> <tr><td>4</td><td>K97AM</td><td>12</td><td>VT</td><td></td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	NOTES	1	K10-GV	12	WH		2	K97U2	12	VT	N/2004 ISM ENGINES	2	PLUG				3	PLUG				4	K97AM	12	VT																																																																																																																																																																																																																																																																																																																																											
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Figure 239 Connector Composites (6013M), (6014), (6015)

12.47. CONNECTOR COMPOSITES (6020), (6021), (6200), (6316), (6323), P. 39

Figure 240 Connector Composites (6020), (6021), (6200), (6316), (6323)

12.48. CONNECTOR COMPOSITES (6020), P. 39A

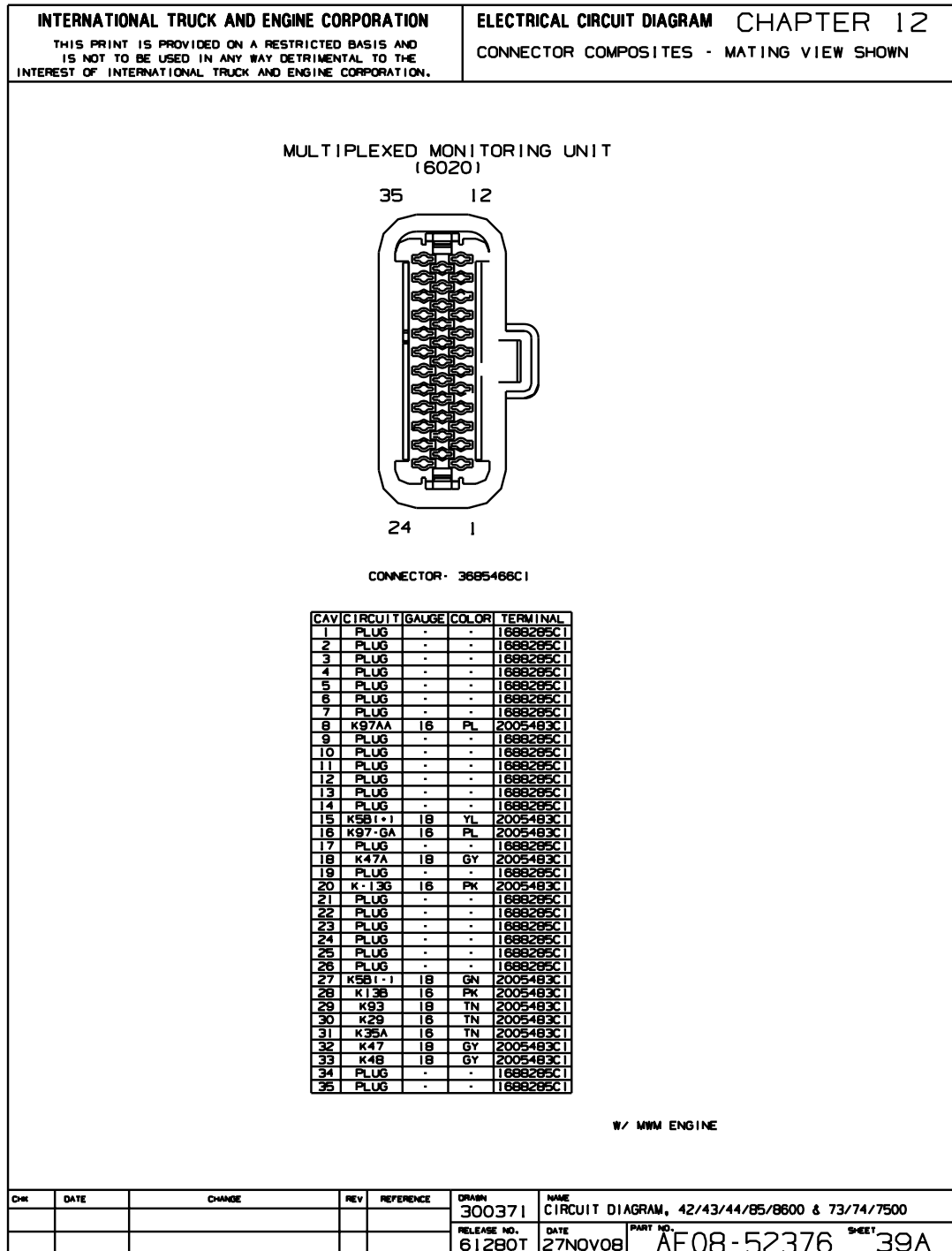
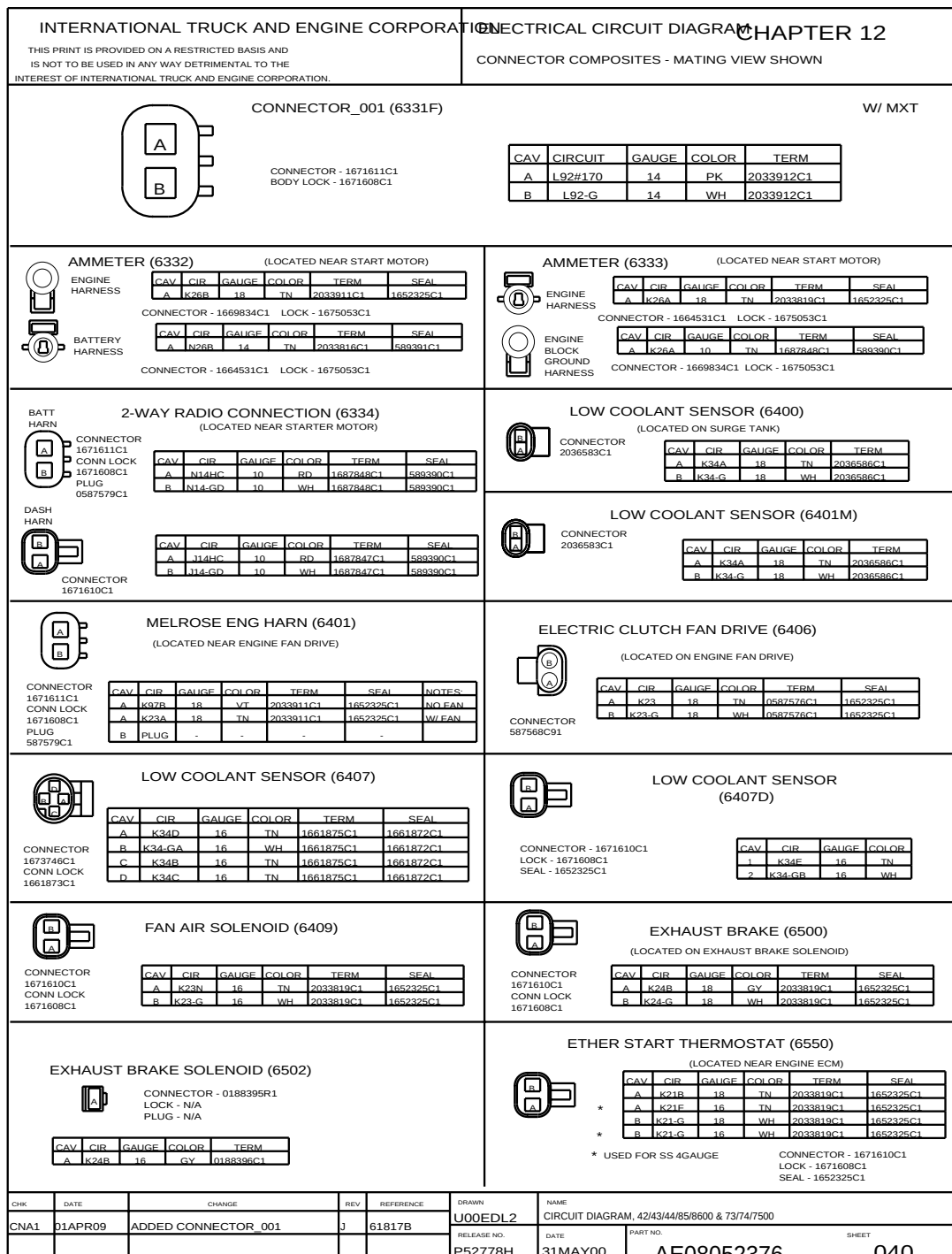


Figure 241 Connector Composites (6020)

12.49. CONNECTOR COMPOSITES (6331F), (6332), (6333), (6334), (6400), (6401M), (6401), (6406), (6407), (6407D), (6409), (6500), (6502), (6550), P. 40

Figure 242 Connector Composites (6331F), (6332), (6333), (6334), (6400), (6401M), (6401), (6406), (6407), (6407D), (6409), (6500), (6502), (6550)

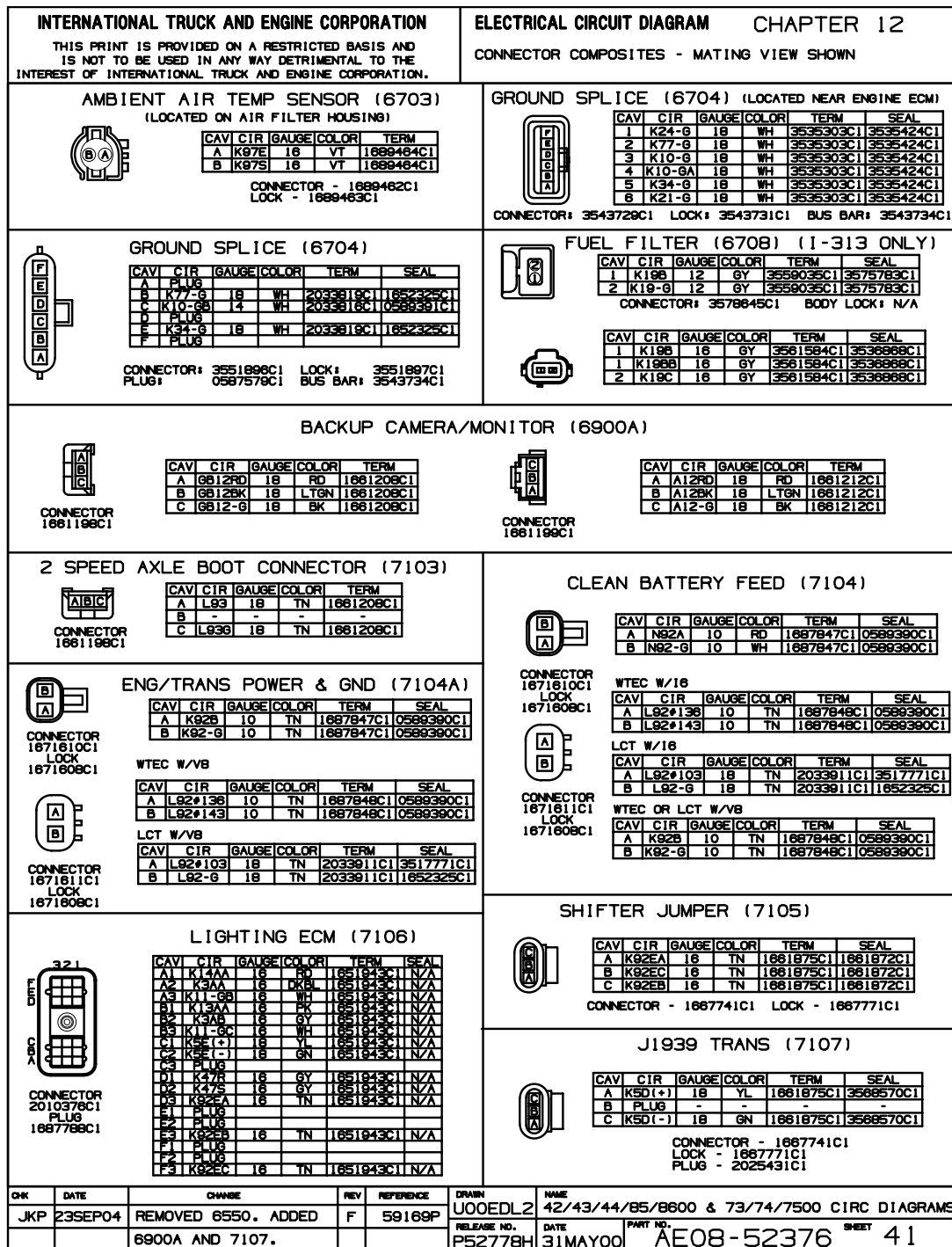
12.50. CONNECTOR COMPOSITES (6703), (6704), (6708), (6900A), (7103), (7104), (7104A), (7105), (7106), (7107), P. 41

Figure 243 Connector Composites (6703), (6704), (6708), (6900A), (7103), (7104), (7104A), (7105), (7106), (7107)

12.51. CONNECTOR COMPOSITES (7111), (7150), P. 42

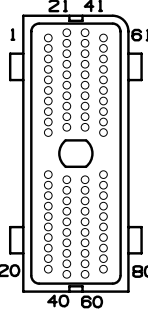
INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.		ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12 CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																																																																																																																																																																																																																																																																																																																																											
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Figure 244 Connector Composites (7111), (7150)

12.52. CONNECTOR COMPOSITE (7151), P. 42A

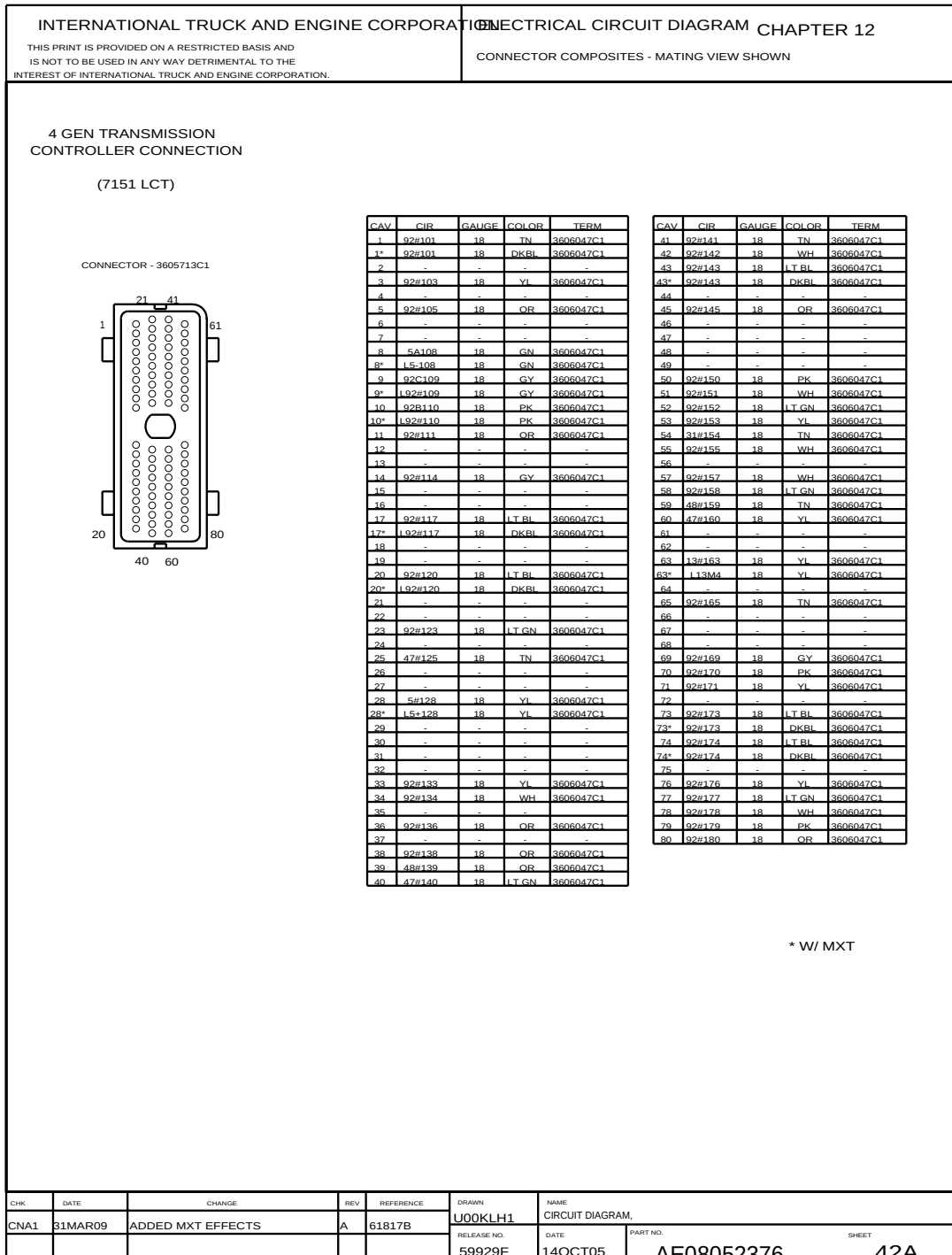


Figure 245 Connector Composite (7151)

12.53. CONNECTOR COMPOSITES (7200), (7202), (7203), P. 42B

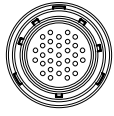
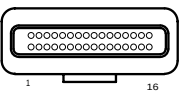
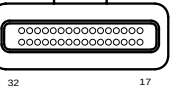
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																																																								
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																																																																																								
TRANSMISSION BULKHEAD CONNECTION (WTEC) (7200)  CONNECTOR - 3508926C1 PLUG - 3508928C1				<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>L92#102</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>B</td><td>L92#103</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>C</td><td>L92#104</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>D</td><td>L92#124</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>E</td><td>L92#107</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>F</td><td>L92#110</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>G</td><td>L92#120</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>H</td><td>L92#121</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>J</td><td>L92#128</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>K</td><td>L92#129</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>L</td><td>L92#130</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>M</td><td>L92#131</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> <tr><td>N</td><td>L92#135</td><td>18</td><td>TN</td><td>3508927C1</td><td>N/A</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L92#102	18	TN	3508927C1	N/A	B	L92#103	18	TN	3508927C1	N/A	C	L92#104	18	TN	3508927C1	N/A	D	L92#124	18	TN	3508927C1	N/A	E	L92#107	18	TN	3508927C1	N/A	F	L92#110	18	TN	3508927C1	N/A	G	L92#120	18	TN	3508927C1	N/A	H	L92#121	18	TN	3508927C1	N/A	J	L92#128	18	TN	3508927C1	N/A	K	L92#129	18	TN	3508927C1	N/A	L	L92#130	18	TN	3508927C1	N/A	M	L92#131	18	TN	3508927C1	N/A	N	L92#135	18	TN	3508927C1	N/A																																																																																	
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ECU "V" CONN GRAY (ALLISON WTEC) (7202)  CONNECTOR - 354895C91 PLUG - 3518314C1				<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th> </tr> </thead> <tbody> <tr><td>1</td><td>L92#136</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>2</td><td>L92#114</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>3</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>4</td><td>L71#113</td><td>18</td><td>OR</td><td>3517243C1</td></tr> <tr><td>5</td><td>L92#167</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>6</td><td>L92#123</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>7</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>8</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>9</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>10</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>11</td><td>L92#155</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>12</td><td>L92#153</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>13</td><td>L92#118</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>14</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>15</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>16</td><td>L92C136</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>17</td><td>L92B143</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>18</td><td>L92#125</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>19</td><td>L92#105</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>20</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>21</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>22</td><td>L92#112</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>23</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>24</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>25</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>26</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>27</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>28</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>29</td><td>L92#137</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>30</td><td>L92#117</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>31</td><td>L92#161</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>32</td><td>L92C143</td><td>18</td><td>TN</td><td>3517243C1</td></tr> </tbody> </table> W/ & NOT WIRETARDER				CAV	CIR	GAUGE	COLOR	TERM	1	L92#136	18	TN	3517243C1	2	L92#114	18	TN	3517243C1	3	PLUG	-	-	-	4	L71#113	18	OR	3517243C1	5	L92#167	18	TN	3517243C1	6	L92#123	18	TN	3517243C1	7	PLUG	-	-	-	8	PLUG	-	-	-	9	PLUG	-	-	-	10	PLUG	-	-	-	11	L92#155	18	TN	3517243C1	12	L92#153	18	TN	3517243C1	13	L92#118	18	TN	3517243C1	14	PLUG	-	-	-	15	PLUG	-	-	-	16	L92C136	18	TN	3517243C1	17	L92B143	18	TN	3517243C1	18	L92#125	18	TN	3517243C1	19	L92#105	18	TN	3517243C1	20	PLUG	-	-	-	21	PLUG	-	-	-	22	L92#112	18	TN	3517243C1	23	PLUG	-	-	-	24	PLUG	-	-	-	25	PLUG	-	-	-	26	PLUG	-	-	-	27	PLUG	-	-	-	28	PLUG	-	-	-	29	L92#137	18	TN	3517243C1	30	L92#117	18	TN	3517243C1	31	L92#161	18	TN	3517243C1	32	L92C143	18	TN	3517243C1
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Figure 246 Connector Composites (7200), (7202), (7203)

12.54. CONNECTOR COMPOSITES (7204), (7205), (7206), (7208), (7211), (7212), (7213), P. 43

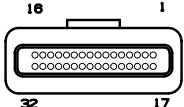
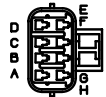
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																																																																																																																																							
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30	L47A157	18	GY	3517243C1																																																																																																																																																																																																																																																							
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J1939 TRANS (7208)  CONNECTOR - 1667741C1 LOCK - 1667710C1 PLUG - 2025431C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>L5C183</td><td>18</td><td>YL</td><td>1661875C1</td><td>3568570C1</td></tr> <tr><td>A</td><td>L5D1-1</td><td>18</td><td>YL</td><td>1661875C1</td><td>3568570C1</td></tr> <tr><td>B</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>C</td><td>L5C184</td><td>18</td><td>GN</td><td>1661875C1</td><td>3568570C1</td></tr> <tr><td>C</td><td>L5D1-1</td><td>18</td><td>GN</td><td>1661875C1</td><td>3568570C1</td></tr> </tbody> </table>		CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L5C183	18	YL	1661875C1	3568570C1	A	L5D1-1	18	YL	1661875C1	3568570C1	B	PLUG	-	-	-	-	C	L5C184	18	GN	1661875C1	3568570C1	C	L5D1-1	18	GN	1661875C1	3568570C1	RETARDER TEMP SENDER (7211)  CONNECTOR - 3524377C1 PLUG - 1667766C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>L92-138</td><td>18</td><td>TN</td><td>2036586C1</td></tr> <tr><td>B</td><td>L92C135</td><td>18</td><td>TN</td><td>2036586C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	L92-138	18	TN	2036586C1	B	L92C135	18	TN	2036586C1																																																																																																																																																																																																			
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RETARDER ACCUMULATOR SOLENOID (7212)  CONNECTOR - 3524378C1 PLUG - 1667766C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>L92-101</td><td>18</td><td>TN</td><td>2036586C1</td></tr> <tr><td>B</td><td>L92N116</td><td>18</td><td>TN</td><td>2036586C1</td></tr> </tbody> </table>		CAV	CIR	GAUGE	COLOR	TERM	A	L92-101	18	TN	2036586C1	B	L92N116	18	TN	2036586C1	RETARDER SOLENOID (7213)  CONNECTOR - 2036584C1 PLUG - 1667766C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr><td>A</td><td>L92-127</td><td>18</td><td>TN</td><td>2036586C1</td></tr> <tr><td>B</td><td>L92C116</td><td>18</td><td>TN</td><td>2036586C1</td></tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	A	L92-127	18	TN	2036586C1	B	L92C116	18	TN	2036586C1																																																																																																																																																																																																																								
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Figure 247 Connector Composites (7204), (7205), (7206), (7208), (7211), (7212), (7213)

12.55. CONNECTOR COMPOSITES (7214), (7250), (7251), P. 44

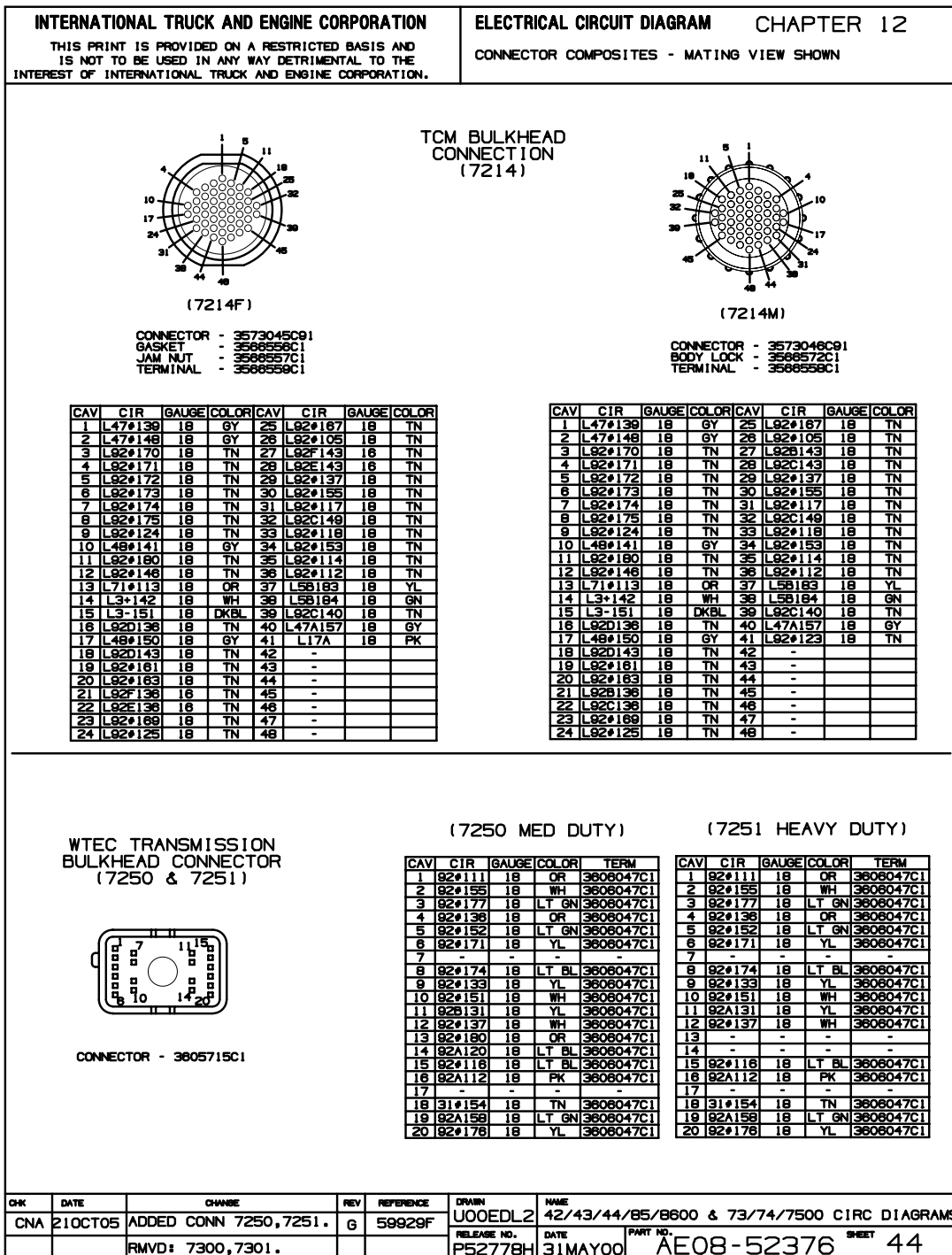


Figure 248 Connector Composites (7214), (7250), (7251)

12.56. CONNECTOR COMPOSITES (7300), (7301), P. 44A

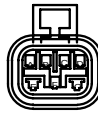
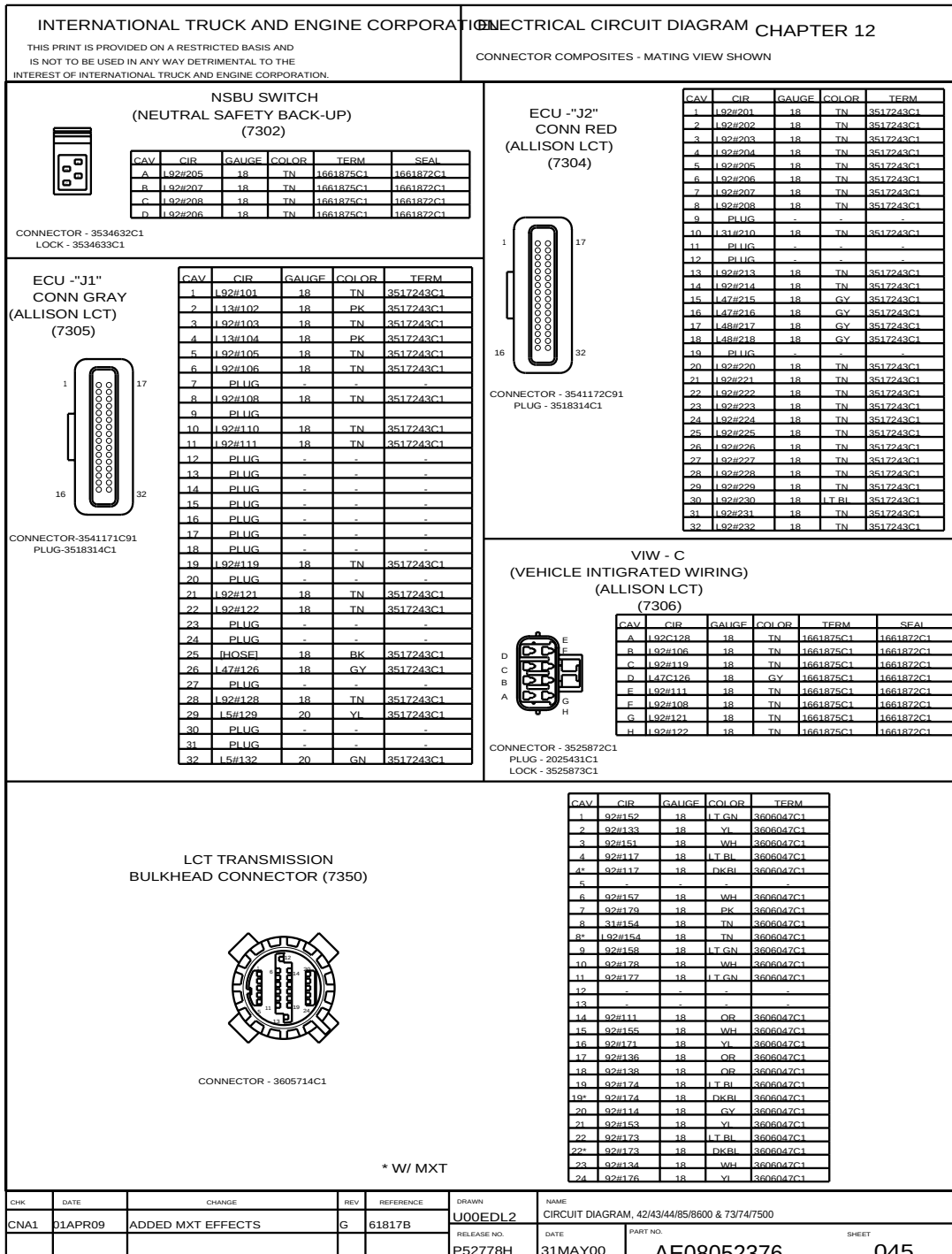
INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																																																		
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TRANSMISSION BULKHEAD (LCT) (7300)  CONNECTOR - 3522537C91 PLUG - 3518314C1 LOCK - 3518287C1					<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th>CAV</th><th>CIR</th><th>Gauge</th><th>COLOR</th><th>TERM</th></tr></thead><tbody><tr><td>A</td><td>I 92#226</td><td>18</td><td>TN</td><td>3517243C1</td></tr><tr><td>B</td><td>I 92#227</td><td>18</td><td>TN</td><td>3517243C1</td></tr><tr><td>C</td><td>I 92#231</td><td>18</td><td>TN</td><td>3517243C1</td></tr><tr><td>D</td><td>I 92#201</td><td>18</td><td>TN</td><td>3517243C1</td></tr><tr><td>E</td><td>I 92#203</td><td>18</td><td>TN</td><td>3517243C1</td></tr><tr><td>F</td><td>I 92#202</td><td>18</td><td>TN</td><td>3517243C1</td></tr><tr><td>G</td><td>I 31#210</td><td>18</td><td>TN</td><td>3517243C1</td></tr><tr><td>H</td><td>I 92A220</td><td>18</td><td>TN</td><td>3517243C1</td></tr><tr><td>I</td><td>I 92#229</td><td>18</td><td>TN</td><td>3517243C1</td></tr><tr><td>K</td><td>I 92#204</td><td>18</td><td>TN</td><td>3517243C1</td></tr><tr><td>L</td><td>I 92#222</td><td>18</td><td>TN</td><td>3517243C1</td></tr><tr><td>M</td><td>I 92#223</td><td>18</td><td>TN</td><td>3517243C1</td></tr><tr><td>N</td><td>I 92#224</td><td>18</td><td>TN</td><td>3517243C1</td></tr><tr><td>P</td><td>I 92#225</td><td>18</td><td>TN</td><td>3517243C1</td></tr><tr><td>R</td><td>I 92#230</td><td>18</td><td>LT, BL</td><td>3517243C1</td></tr><tr><td>S</td><td>I 92#232</td><td>18</td><td>TN</td><td>3517243C1</td></tr><tr><td>T</td><td>I 92#221</td><td>18</td><td>TN</td><td>3517243C1</td></tr><tr><td>U</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr><tr><td>V</td><td>PLUG</td><td>-</td><td>-</td><td>-</td></tr><tr><td>W</td><td>I 92#228</td><td>18</td><td>TN</td><td>3517243C1</td></tr></tbody></table>					CAV	CIR	Gauge	COLOR	TERM	A	I 92#226	18	TN	3517243C1	B	I 92#227	18	TN	3517243C1	C	I 92#231	18	TN	3517243C1	D	I 92#201	18	TN	3517243C1	E	I 92#203	18	TN	3517243C1	F	I 92#202	18	TN	3517243C1	G	I 31#210	18	TN	3517243C1	H	I 92A220	18	TN	3517243C1	I	I 92#229	18	TN	3517243C1	K	I 92#204	18	TN	3517243C1	L	I 92#222	18	TN	3517243C1	M	I 92#223	18	TN	3517243C1	N	I 92#224	18	TN	3517243C1	P	I 92#225	18	TN	3517243C1	R	I 92#230	18	LT, BL	3517243C1	S	I 92#232	18	TN	3517243C1	T	I 92#221	18	TN	3517243C1	U	PLUG	-	-	-	V	PLUG	-	-	-	W	I 92#228	18	TN	3517243C1	NSBU SWITCH VEHICLE (NEUTRAL SAFETY BACK-UP) (7301)  CONNECTOR - 3534635C1 PLUG - 2025431C1 LOCK - 3534634C1 <table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th>CAV</th><th>CIR</th><th>Gauge</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr></thead><tbody><tr><td>A</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>B</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>C</td><td>I 71</td><td>16</td><td>OR</td><td>1661875C1</td><td>1661872C1</td></tr><tr><td>D</td><td>I 92B220</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr><tr><td>E</td><td>I 13M3</td><td>18</td><td>PK</td><td>2033818C1</td><td>1652325C1</td></tr><tr><td>F</td><td>I 71A</td><td>16</td><td>OR</td><td>1661875C1</td><td>1661872C1</td></tr><tr><td>G</td><td>I 17E</td><td>18</td><td>PK</td><td>2033818C1</td><td>3517771C1</td></tr></tbody></table>					CAV	CIR	Gauge	COLOR	TERM	SEAL	A	PLUG	-	-	-	-	B	PLUG	-	-	-	-	C	I 71	16	OR	1661875C1	1661872C1	D	I 92B220	18	TN	1661875C1	1661872C1	E	I 13M3	18	PK	2033818C1	1652325C1	F	I 71A	16	OR	1661875C1	1661872C1	G	I 17E	18	PK	2033818C1	3517771C1
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Figure 249 Connector Composites (7300), (7301)

12.57. CONNECTOR COMPOSITES (7302), (7304), (7305), (7306), (7350), P. 45

Figure 250 Connector Composites (7302), (7304), (7305), (7306), (7350)

3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

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12.58. CONNECTOR COMPOSITES (7500), (7502), (7503), (7600), (7601), P. 45A

INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																				
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BACK-UP LIGHT SWITCH (7500)  <table border="1" style="margin-top: 5px; width: 100%;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>L71B</td> <td>16</td> <td>OR</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>A</td> <td>K71D</td> <td>16</td> <td>OR</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>L71C</td> <td>16</td> <td>OR</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>L71E</td> <td>16</td> <td>OR</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table> CONNECTOR - 1661778C1 PLUG - 1687789C1 LOCK - 1661874C1					CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L71B	16	OR	1661875C1	1661872C1	A	K71D	16	OR	1661875C1	1661872C1	B	L71C	16	OR	1661875C1	1661872C1	B	L71E	16	OR	1661875C1	1661872C1	BACK-UP LIGHT (7502)  <table border="1" style="margin-top: 5px; width: 100%;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>L71</td> <td>16</td> <td>OR</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>L71A</td> <td>16</td> <td>OR</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table> CONNECTOR - 1661778C1 PLUG - 1687789C1 LOCK - 1661874C1					CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L71	16	OR	1661875C1	1661872C1	B	L71A	16	OR	1661875C1	1661872C1
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																				
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BACK-UP LIGHT SWITCH (7503)  <table border="1" style="margin-top: 5px; width: 100%;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K71D</td> <td>16</td> <td>OR</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>K71E</td> <td>16</td> <td>OR</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table> CONNECTOR - 1661778C1 PLUG - 1687789C1 LOCK - 1661874C1					CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	K71D	16	OR	1661875C1	1661872C1	B	K71E	16	OR	1661875C1	1661872C1	THIS SPACE INTENTIONALLY LEFT BLANK																																		
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																				
A	K71D	16	OR	1661875C1	1661872C1																																																				
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OUTPUT SPEED SENSOR (7600)  <table border="1" style="margin-top: 5px; width: 100%;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>L47#215</td> <td>18</td> <td>GY</td> <td>2036586C1</td> </tr> <tr> <td>B</td> <td>L47#216</td> <td>18</td> <td>GY</td> <td>2036586C1</td> </tr> </tbody> </table> CONNECTOR - 2036583C1					CAV	CIR	GAUGE	COLOR	TERM	A	L47#215	18	GY	2036586C1	B	L47#216	18	GY	2036586C1	SPEEDO SENSOR (7601)  <table border="1" style="margin-top: 5px; width: 100%;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K47</td> <td>18</td> <td>GY</td> <td>2036586C1</td> </tr> <tr> <td>B</td> <td>K47A</td> <td>18</td> <td>GY</td> <td>2036586C1</td> </tr> </tbody> </table> CONNECTOR - 2036583C1					CAV	CIR	GAUGE	COLOR	TERM	A	K47	18	GY	2036586C1	B	K47A	18	GY	2036586C1																		
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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																			
					U00KLH1	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																																			
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					59929F	13OCT05	AE08-52376	45A																																																	

Figure 251 Connector Composites (7500), (7502), (7503), (7600), (7601)

12.59. CONNECTOR COMPOSITES (7600M), (7603), (7604), (7604M), (7605), (7606), (7607), (7607M), (7608), (7609), (7610), (7611), (7612), (7613), (7615), (7700), (7702), (7703), (7703A), P. 46

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ENGINE SPEED SENSOR (7603) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>L48#141</td><td>18</td><td>GY</td><td>2036586C1</td></tr><tr><td>B</td><td>L48#150</td><td>18</td><td>GY</td><td>2036586C1</td></tr></table> CONNECTOR - 2036583C1					CAV	CIR	GAUGE	COLOR	TERM	A	L48#141	18	GY	2036586C1	B	L48#150	18	GY	2036586C1	ENGINE SPEED SENSOR(7604) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>L48#217</td><td>18</td><td>GY</td><td>2036586C1</td></tr><tr><td>B</td><td>L48#218</td><td>18</td><td>GY</td><td>2036586C1</td></tr></table> CONNECTOR - 2036583C1					CAV	CIR	GAUGE	COLOR	TERM	A	L48#217	18	GY	2036586C1	B	L48#218	18	GY	2036586C1									
CAV	CIR	GAUGE	COLOR	TERM																																												
A	L48#141	18	GY	2036586C1																																												
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CAV	CIR	GAUGE	COLOR	TERM																																												
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OUTPUT SPEED SENSOR (7605) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>L47#139</td><td>18</td><td>GY</td><td>2036586C1</td></tr><tr><td>B</td><td>L47#148</td><td>18</td><td>GY</td><td>2036586C1</td></tr></table> CONNECTOR - 2036583C1					CAV	CIR	GAUGE	COLOR	TERM	A	L47#139	18	GY	2036586C1	B	L47#148	18	GY	2036586C1	TRANSMISSION SPEEDO (7606) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>L47#139</td><td>18</td><td>GY</td><td>2036586C1</td></tr><tr><td>B</td><td>L47#148</td><td>18</td><td>GY</td><td>2036586C1</td></tr></table> CONNECTOR - 2036583C1					CAV	CIR	GAUGE	COLOR	TERM	A	L47#139	18	GY	2036586C1	B	L47#148	18	GY	2036586C1									
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TRANSMISSION SPEEDO (7607) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>L92#213</td><td>18</td><td>TN</td><td>2036586C1</td></tr><tr><td>B</td><td>L92#214</td><td>18</td><td>TN</td><td>2036586C1</td></tr></table> CONNECTOR - 2036583C1					CAV	CIR	GAUGE	COLOR	TERM	A	L92#213	18	TN	2036586C1	B	L92#214	18	TN	2036586C1	TRANSFER CASE SPEEDO (7608) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>L47N</td><td>16</td><td>GY</td><td>2036586C1</td></tr><tr><td>B</td><td>L47P</td><td>16</td><td>GY</td><td>2036586C1</td></tr></table> CONNECTOR - 2036583C1					CAV	CIR	GAUGE	COLOR	TERM	A	L47N	16	GY	2036586C1	B	L47P	16	GY	2036586C1									
CAV	CIR	GAUGE	COLOR	TERM																																												
A	L92#213	18	TN	2036586C1																																												
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CAV	CIR	GAUGE	COLOR	TERM																																												
A	L47N	16	GY	2036586C1																																												
B	L47P	16	GY	2036586C1																																												
SPEED SENSOR (7609) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>L47</td><td>18</td><td>GY</td><td>2036586C1</td></tr><tr><td>B</td><td>L47A</td><td>18</td><td>GY</td><td>2036586C1</td></tr></table> CONNECTOR - 2036583C1					CAV	CIR	GAUGE	COLOR	TERM	A	L47	18	GY	2036586C1	B	L47A	18	GY	2036586C1	TRANSFER CASE TO TRANSMISSION (7610) (USED ONLY WHEN TRANSFER CASE AND ALLISON WTEC ARE PRESENT) CONNECTOR - 1667740C1 PLUG - 2025431C1 LOCK - 1667771C1 MATING CONNECTOR IS FEMALE SIDE OF CONNECTOR 7800. <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr><tr><td>A</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>B</td><td>PLUG</td><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>C</td><td>L92D1</td><td>16</td><td>TN</td><td>1667742C1</td><td>1661872C1</td></tr></table>					CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	PLUG	-	-	-	-	B	PLUG	-	-	-	-	C	L92D1	16	TN	1667742C1	1661872C1
CAV	CIR	GAUGE	COLOR	TERM																																												
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TRANSFER CASE SPEEDO (7611) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>L47I</td><td>16</td><td>GY</td><td>2036586C1</td></tr><tr><td>B</td><td>L47M</td><td>16</td><td>GY</td><td>2036586C1</td></tr></table> CONNECTOR - 2036583C1					CAV	CIR	GAUGE	COLOR	TERM	A	L47I	16	GY	2036586C1	B	L47M	16	GY	2036586C1	TRUCK SPEED SENSOR (7613) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>K47</td><td>18</td><td>GY</td><td>2036586C1</td></tr><tr><td>B</td><td>K47A</td><td>18</td><td>GY</td><td>2036586C1</td></tr></table> CONNECTOR - 2036583C1					CAV	CIR	GAUGE	COLOR	TERM	A	K47	18	GY	2036586C1	B	K47A	18	GY	2036586C1									
CAV	CIR	GAUGE	COLOR	TERM																																												
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B	K47A	18	GY	2036586C1																																												
EATON SPEEDO SENSOR (7612) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>K47R</td><td>16</td><td>GY</td><td>2036586C1</td></tr><tr><td>B</td><td>K47S</td><td>16</td><td>GY</td><td>2036586C1</td></tr></table> CONNECTOR - 2036583C1					CAV	CIR	GAUGE	COLOR	TERM	A	K47R	16	GY	2036586C1	B	K47S	16	GY	2036586C1																													
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A	K47R	16	GY	2036586C1																																												
B	K47S	16	GY	2036586C1																																												
TURBINE SPEED SENSOR (7615) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>L92C149</td><td>18</td><td>TN</td><td>1651943C1</td></tr><tr><td>B</td><td>L92C140</td><td>18</td><td>TN</td><td>1651943C1</td></tr></table> CONNECTOR - 2002712C1					CAV	CIR	GAUGE	COLOR	TERM	A	L92C149	18	TN	1651943C1	B	L92C140	18	TN	1651943C1	TRANSMISSION OIL TEMP SENSOR (7700) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr><tr><td>1</td><td>K31B</td><td>18</td><td>TN</td><td>3536865C1</td><td>3536866C1</td></tr><tr><td>2</td><td>K31GC1</td><td>18</td><td>TN</td><td>3536865C1</td><td>3536866C1</td></tr></table> CONNECTOR - 3536864C1					CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	K31B	18	TN	3536865C1	3536866C1	2	K31GC1	18	TN	3536865C1	3536866C1						
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TURBINE SPEED SENSOR (7615) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>MR92C149</td><td>18</td><td>TN</td><td>2036586C1</td></tr><tr><td>B</td><td>MR92C140</td><td>18</td><td>TN</td><td>2036586C1</td></tr></table> CONNECTOR - 2036583C1					CAV	CIR	GAUGE	COLOR	TERM	A	MR92C149	18	TN	2036586C1	B	MR92C140	18	TN	2036586C1	XMSN OIL TEMP SENSOR (7703) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr><tr><td>1</td><td>K31E</td><td>16</td><td>TN</td><td>3536865C1</td><td>3536866C1</td></tr><tr><td>2</td><td>K31GE</td><td>16</td><td>TN</td><td>3536865C1</td><td>3536866C1</td></tr></table> CONNECTOR - 3536864C1					CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	K31E	16	TN	3536865C1	3536866C1	2	K31GE	16	TN	3536865C1	3536866C1						
CAV	CIR	GAUGE	COLOR	TERM																																												
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CAV	CIR	GAUGE	COLOR	TERM	SEAL																																											
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2	K31GE	16	TN	3536865C1	3536866C1																																											
XMSN OIL TEMP SENSOR (7702) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr><tr><td>1</td><td>K31E</td><td>18</td><td>TN</td><td>3536865C1</td><td>3536866C1</td></tr><tr><td>2</td><td>K31GE</td><td>18</td><td>TN</td><td>3536865C1</td><td>3536866C1</td></tr></table> CONNECTOR - 3536864C1					CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	K31E	18	TN	3536865C1	3536866C1	2	K31GE	18	TN	3536865C1	3536866C1	XMSN OIL TEMP SENDER (7703A) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr><tr><td>1</td><td>K31D</td><td>16</td><td>TN</td><td>3536865C1</td><td>3536866C1</td></tr><tr><td>2</td><td>K31GD</td><td>16</td><td>TN</td><td>3536865C1</td><td>3536866C1</td></tr></table> CONNECTOR - 3536864C1					CAV	CIR	GAUGE	COLOR	TERM	SEAL	1	K31D	16	TN	3536865C1	3536866C1	2	K31GD	16	TN	3536865C1	3536866C1			
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TURBINE SPEED SENSOR (7607M) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr><tr><td>A</td><td>L92#180</td><td>18</td><td>OR</td><td>3535305C1</td><td>3554321C1</td></tr><tr><td>B</td><td>L92#120</td><td>18</td><td>DKBL</td><td>3535305C1</td><td>3554321C1</td></tr></table> CONNECTOR - 3610533C1 BODY LOCK - 3610532C1 PLUG - 3554321C1 W/ MXT					CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L92#180	18	OR	3535305C1	3554321C1	B	L92#120	18	DKBL	3535305C1	3554321C1	ENGINE SPEED SENSOR(7604M) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr><tr><td>A</td><td>L48#217</td><td>18</td><td>GY</td><td>3535305C1</td><td>3554321C1</td></tr><tr><td>B</td><td>L48#218</td><td>18</td><td>GY</td><td>3535305C1</td><td>3554321C1</td></tr></table> CONNECTOR - 3610533C1 BODY LOCK - 3610532C1 PLUG - 3554321C1 W/ MXT					CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L48#217	18	GY	3535305C1	3554321C1	B	L48#218	18	GY	3535305C1	3554321C1			
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OUTPUT SPEED SENSOR (7600M) <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr><tr><td>A</td><td>L47#160</td><td>18</td><td>YL</td><td>3535305C1</td><td>3554321C1</td></tr><tr><td>B</td><td>L47#140</td><td>18</td><td>LTGN</td><td>3535305C1</td><td>3554321C1</td></tr></table> CONNECTOR - 3610533C1 BODY LOCK - 3610532C1 PLUG - 3554321C1 W/ MXT					CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	L47#160	18	YL	3535305C1	3554321C1	B	L47#140	18	LTGN	3535305C1	3554321C1																										
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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																										
CNA1	01APR09	ADDED MXT EFFECTS	F	61817B	U00EDL2	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																																										
					RELEASE NO.	DATE	PART NO.																																									
					P52778H	31MAY00	AE08052376																																									
							046																																									

Figure 252 Connector Composites (7600M), (7603), (7604), (7604M), (7605), (7606), (7607), (7607M), (7608), (7609), (7610), (7611), (7612), (7613), (7615), (7700), (7702), (7703), (7703A)

3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

12.60. CONNECTOR COMPOSITES (7800), (7801M), (7801R), (7803), (7899), P. 47

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																																																																																																																																																																																			
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Figure 253 Connector Composites (7800), (7801M), (7801R), (7803), (7899)

12.61. CONNECTOR COMPOSITES (7900), (7901), (7905), (7906), P. 48

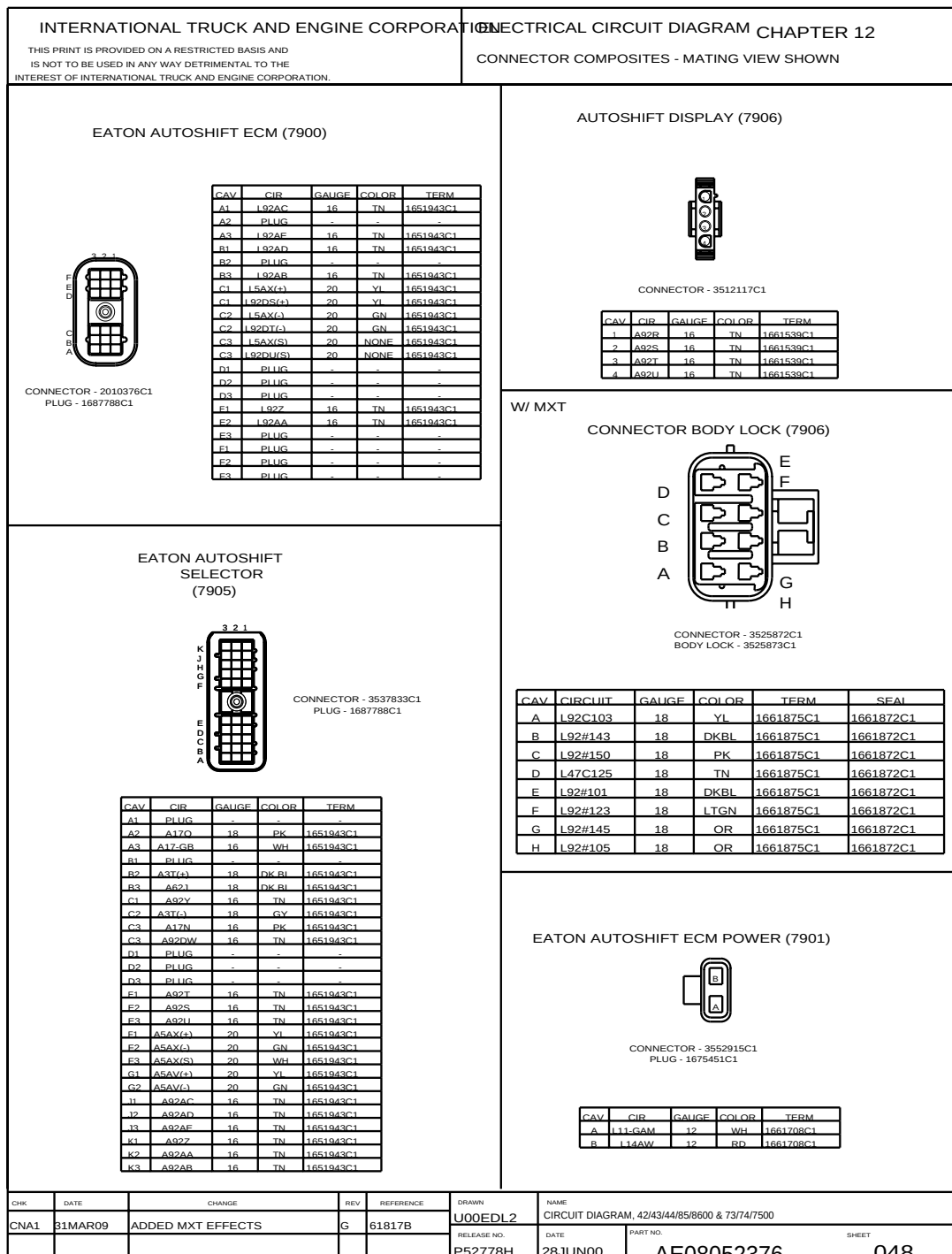


Figure 254 Connector Composites (7900), (7901), (7905), (7906)

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

255

12.62. CONNECTOR COMPOSITES (7909), (8000), (8001), (8102), (8150), (8151), (8200), P. 49

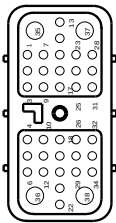
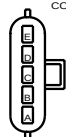
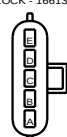
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SNOW PLOW HARNESS CONN (8102)  CONNECTOR - 2039311C91 PLUG - 058759C1 LOCK - 2039342C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> </thead> <tbody> <tr><td>A</td><td>M64HI</td><td>14</td><td>YL</td><td>3535486C1</td><td>0589391C1</td></tr> <tr><td>B</td><td>M11-GE</td><td>14</td><td>WH</td><td>3535486C1</td><td>0589391C1</td></tr> <tr><td>C</td><td>M64LO</td><td>14</td><td>YL</td><td>3535486C1</td><td>0589391C1</td></tr> <tr><td>D</td><td>M58D</td><td>16</td><td>YL</td><td>2039343C1</td><td>1652325C1</td></tr> <tr><td>E</td><td>M58E</td><td>14</td><td>BN</td><td>3535486C1</td><td>0589391C1</td></tr> <tr><td>F</td><td>M57D</td><td>16</td><td>LT GN</td><td>2039343C1</td><td>1652325C1</td></tr> </tbody> </table>					CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M64HI	14	YL	3535486C1	0589391C1	B	M11-GE	14	WH	3535486C1	0589391C1	C	M64LO	14	YL	3535486C1	0589391C1	D	M58D	16	YL	2039343C1	1652325C1	E	M58E	14	BN	3535486C1	0589391C1	F	M57D	16	LT GN	2039343C1	1652325C1	LEFT GUIDE POST LIGHT (8150)  CONNECTOR - 1661778C1 PLUG - 1687788C1 LOCK - 1661874C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> </thead> <tbody> <tr><td>A</td><td>M58H</td><td>16</td><td>BN</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>M58-GA</td><td>16</td><td>WH</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table>					CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M58H	16	BN	1661875C1	1661872C1	B	M58-GA	16	WH	1661875C1	1661872C1																																																																																																																																																																																																																		
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Figure 255 Connector Composites (7909), (8000), (8001), (8102), (8150), (8151), (8200)

12.63. CONNECTOR COMPOSITES (8201), (8301), (8310), (8311), (8312), (8400), (8500), (8501), (8502), (8502A), P. 50

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																															
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DUAL ELECTRIC HORNS (8310) CONNECTOR - 3543888C1 PLUG - 2025431C1 LOCK - 1661874C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M85L</td> <td>16</td> <td>GY</td> <td>1667742C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>M85-GC</td> <td>16</td> <td>WH</td> <td>1667742C1</td> <td>1661872C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M85L	16	GY	1667742C1	1661872C1	B	M85-GC	16	WH	1667742C1	1661872C1	ELECTRIC HORN #1 (8311) CONNECTOR - 1661778C1 PLUG - 1687788C1 LOCK - 1661874C1 W/ SINGLE HORN <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M85L</td> <td>16</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>M85-GC</td> <td>16</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table> W/ DUAL HORNS <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M85K</td> <td>16</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>A*</td> <td>M85N</td> <td>20</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>M85-GD</td> <td>16</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table> * W/ MXT				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M85L	16	GY	1661875C1	1661872C1	B	M85-GC	16	WH	1661875C1	1661872C1	CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M85K	16	GY	1661875C1	1661872C1	A*	M85N	20	GY	1661875C1	1661872C1	B	M85-GD	16	WH	1661875C1	1661872C1
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ELECTRIC HORN #2 (8312) CONNECTOR - 1661778C1 PLUG - 1687788C1 LOCK - 1661874C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M85L</td> <td>16</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>M85-GC</td> <td>16</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M85L	16	GY	1661875C1	1661872C1	B	M85-GC	16	WH	1661875C1	1661872C1	ETHER START (8400) CONNECTOR - 0587568C91 PLUG - 0587579C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M21D</td> <td>18</td> <td>TN</td> <td>0587576C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>M21C</td> <td>18</td> <td>TN</td> <td>0587576C1</td> <td>1652325C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M21D	18	TN	0587576C1	1652325C1	B	M21C	18	TN	0587576C1	1652325C1																								
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BENDIX LEFT ABS MODULATOR (8500) CONNECTOR - 1686834C1 PLUG - 0587579C1 LOCK - 1664408C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M94</td> <td>18</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>M94A</td> <td>18</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>C</td> <td>M94B</td> <td>18</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M94	18	GY	2033819C1	1652325C1	B	M94A	18	GY	2033819C1	1652325C1	C	M94B	18	GY	2033819C1	1652325C1	BENDIX RIGHT ABS MODULATOR (8501) CONNECTOR - 1686834C1 PLUG - 0587579C1 LOCK - 1664408C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M94H</td> <td>18</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>M94J</td> <td>18</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>C</td> <td>M94K</td> <td>18</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M94H	18	GY	2033819C1	1652325C1	B	M94J	18	GY	2033819C1	1652325C1	C	M94K	18	GY	2033819C1	1652325C1												
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LEFT HYD ABS WHEEL SENSOR (8502) PURCHASED ASSEMBLY P/N 3519878C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>(M94L)</td> <td>18</td> <td>BK</td> <td>ASSY</td> </tr> <tr> <td>2</td> <td>(M94M)</td> <td>18</td> <td>BN</td> <td>ASSY</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	1	(M94L)	18	BK	ASSY	2	(M94M)	18	BN	ASSY	BENDIX LEFT AIR ABS WHEEL SENSOR (8502A) CONNECTOR - 1684261C1 PLUG - 0453133C1 LOCK - 1684263C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>M94C</td> <td>18</td> <td>GY</td> <td>1680205C1</td> </tr> <tr> <td>2</td> <td>M94D</td> <td>18</td> <td>GY</td> <td>1680205C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	1	M94C	18	GY	1680205C1	2	M94D	18	GY	1680205C1																														
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Figure 256 Connector Composites (8201), (8301), (8310), (8311), (8312), (8400), (8500), (8501), (8502), (8502A)

12.64. CONNECTOR COMPOSITES (8503), (8503A), (8505), (8506), (8507), (8508), (8509), (8600), (8601), (8602), P. 51

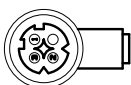
INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																										
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RIGHT HYD ABS WHEEL SENSOR (8503)  PURCHASED ASSEMBLY P/N 3519878C1 <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>1</td><td>M94N</td><td>18</td><td>BK</td><td>ASSY</td></tr><tr><td>2</td><td>M94P</td><td>18</td><td>BN</td><td>ASSY</td></tr></table>					CAV	CIR	GAUGE	COLOR	TERM	1	M94N	18	BK	ASSY	2	M94P	18	BN	ASSY	BENDIX RIGHT AIR ABS WHEEL SENSOR (8503A)  CONNECTOR - 1684261C1 PLUG - 0453133C1 LOCK - 1684263C1 <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>1</td><td>M94E</td><td>18</td><td>GY</td><td>1680205C1</td></tr><tr><td>2</td><td>M94F</td><td>18</td><td>GY</td><td>1680205C1</td></tr></table>					CAV	CIR	GAUGE	COLOR	TERM	1	M94E	18	GY	1680205C1	2	M94F	18	GY	1680205C1								
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AIR COMPRESSOR FOR HYD BRAKES (8505)  CONNECTOR - 1678137C1 <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>M9</td><td>18</td><td>GY</td><td>1651943C1</td></tr><tr><td>B</td><td>M8</td><td>18</td><td>GY</td><td>1651943C1</td></tr><tr><td>C</td><td>M40</td><td>18</td><td>GY</td><td>1651943C1</td></tr></table>					CAV	CIR	GAUGE	COLOR	TERM	A	M9	18	GY	1651943C1	B	M8	18	GY	1651943C1	C	M40	18	GY	1651943C1	WABCO LEFT FRONT AIR ABS WHEEL SPEED SENSOR (8506)  PURCHASED ASSEMBLY P/N 3519878C1 <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>1</td><td>M94AC</td><td>18</td><td>BN</td><td>ASSY</td></tr><tr><td>2</td><td>M94AD</td><td>18</td><td>BK</td><td>ASSY</td></tr></table>					CAV	CIR	GAUGE	COLOR	TERM	1	M94AC	18	BN	ASSY	2	M94AD	18	BK	ASSY			
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WABCO RIGHT FRONT AIR ABS WHEEL SPEED SENSOR (8507)  PURCHASED ASSEMBLY P/N 3519868C1 <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>1</td><td>M94AE</td><td>18</td><td>BN</td><td>ASSY</td></tr><tr><td>2</td><td>M94AF</td><td>18</td><td>BK</td><td>ASSY</td></tr></table>					CAV	CIR	GAUGE	COLOR	TERM	1	M94AE	18	BN	ASSY	2	M94AF	18	BK	ASSY	WABCO LEFT FRONT AIR ABS MODULATOR (8508)  PURCHASED ASSEMBLY P/N 3554539C1 <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>1</td><td>M94AL</td><td>14</td><td>BL</td><td>ASSY</td></tr><tr><td>2</td><td>M94AA</td><td>14</td><td>GN</td><td>ASSY</td></tr><tr><td>3</td><td>M94AB</td><td>14</td><td>BN</td><td>ASSY</td></tr></table>					CAV	CIR	GAUGE	COLOR	TERM	1	M94AL	14	BL	ASSY	2	M94AA	14	GN	ASSY	3	M94AB	14	BN	ASSY			
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WABCO RIGHT FRONT AIR ABS MODULATOR (8509)  PURCHASED ASSEMBLY P/N 3554539C1 <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>1</td><td>M94AH</td><td>14</td><td>BL</td><td>ASSY</td></tr><tr><td>2</td><td>M94AJ</td><td>14</td><td>GN</td><td>ASSY</td></tr><tr><td>3</td><td>M94AK</td><td>14</td><td>BN</td><td>ASSY</td></tr></table>					CAV	CIR	GAUGE	COLOR	TERM	1	M94AH	14	BL	ASSY	2	M94AJ	14	GN	ASSY	3	M94AK	14	BN	ASSY	RADIATOR GROUND (8600)  CONNECTOR - 0587588C91 PLUG - 0587579C1 <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr><tr><td>A</td><td>M11-6C</td><td>12</td><td>WH</td><td>1673747C1</td><td>0588380C1</td></tr></table>					CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M11-6C	12	WH	1673747C1	0588380C1						
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TEMP SENDER (8601)  CONNECTOR - 3522068C1 PLUG - 1687766C1 LOCK - 1681874C1 <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr><tr><td>A</td><td>M41</td><td>18</td><td>GY</td><td>1681875C1</td><td>1681872C1</td></tr><tr><td>B</td><td>M41A</td><td>18</td><td>GY</td><td>1681875C1</td><td>1681872C1</td></tr></table>					CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M41	18	GY	1681875C1	1681872C1	B	M41A	18	GY	1681875C1	1681872C1	A/C TRANSDUCER (8602)  CONNECTOR - 1678137C1 <table><tr><th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th></tr><tr><td>A</td><td>M9</td><td>20</td><td>GY</td><td>1651943C1</td></tr><tr><td>B</td><td>M8</td><td>20</td><td>GY</td><td>1651943C1</td></tr><tr><td>C</td><td>M77</td><td>20</td><td>LT GN</td><td>1651943C1</td></tr></table>					CAV	CIR	GAUGE	COLOR	TERM	A	M9	20	GY	1651943C1	B	M8	20	GY	1651943C1	C	M77	20	LT GN	1651943C1
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CNA	11APR05	REMOVED 8700-8805	E	50157D	U00EDL2	RELEASE NO.																																									
		ADDED 8503-8602			P52778H	DATE																																									
						31MAY00	PART NO.	AE08-52376	SHEET	51																																					

Figure 257 Connector Composites (8503), (8503A), (8505), (8506), (8507), (8508), (8509), (8600), (8601), (8602)

12.65. CONNECTOR COMPOSITES (8700), (8701), (8800), (8801), (8802), (8803), (8805), P. 52

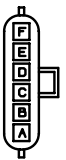
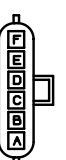
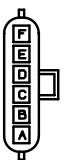
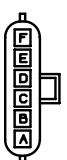
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GROUND ADAPTER #1 (8800)  CONNECTOR - 3551898C1 PLUG - 0587579C1 LOCK - 3551897C1 COVER - 3551792C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr> <td>A</td><td>M11-G</td><td>12</td><td>WH</td><td>2033819C1</td><td>0589390C1</td></tr> <tr> <td>B</td><td>M11-GB</td><td>14</td><td>WH</td><td>2033819C1</td><td>0589391C1</td></tr> <tr> <td>C</td><td>M58-GA</td><td>16</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> <tr> <td>D</td><td>M11-6C</td><td>12</td><td>WH</td><td>2033819C1</td><td>0589390C1</td></tr> <tr> <td>E</td><td>M78-G</td><td>18</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> <tr> <td>F</td><td>M11-GD</td><td>12</td><td>WH</td><td>2033819C1</td><td>0589390C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M11-G	12	WH	2033819C1	0589390C1	B	M11-GB	14	WH	2033819C1	0589391C1	C	M58-GA	16	WH	2033819C1	1652325C1	D	M11-6C	12	WH	2033819C1	0589390C1	E	M78-G	18	WH	2033819C1	1652325C1	F	M11-GD	12	WH	2033819C1	0589390C1	GROUND ADAPTER #2 (8801)  CONNECTOR - 3551898C1 PLUG - 0587579C1 LOCK - 3551897C1 COVER - 3551792C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr> <td>A</td><td>M11-GD</td><td>12</td><td>WH</td><td>2033819C1</td><td>0589390C1</td></tr> <tr> <td>B</td><td>M11-GA</td><td>14</td><td>WH</td><td>2033819C1</td><td>0589391C1</td></tr> <tr> <td>C</td><td>M58-GB</td><td>16</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> <tr> <td>D</td><td>M58-GA</td><td>16</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> <tr> <td>E</td><td>M78-GA</td><td>18</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> <tr> <td>F</td><td>M84-G</td><td>16</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	M11-GD	12	WH	2033819C1	0589390C1	B	M11-GA	14	WH	2033819C1	0589391C1	C	M58-GB	16	WH	2033819C1	1652325C1	D	M58-GA	16	WH	2033819C1	1652325C1	E	M78-GA	18	WH	2033819C1	1652325C1	F	M84-G	16	WH	2033819C1	1652325C1
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ISOLATED GND SPLICE PACK (8802)  CONNECTOR - 3551898C1 PLUG - 0587579C1 LOCK - 3551897C1 COVER - 3551792C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr> <td>A</td><td>N8</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr> <td>* B</td><td>N9A</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr> <td>C</td><td>N8B</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr> <td>D</td><td>N44-GB</td><td>18</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> <tr> <td>E</td><td>N9F</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> <tr> <td>** F</td><td>N9F</td><td>18</td><td>GY</td><td>2033819C1</td><td>1652325C1</td></tr> </table> * - FOR AF MTD FUEL TANK, CIRCUIT NUMBER IS N86. ** - FOR RR AXLE TEMP, CIRCUIT NUMBER IS N8H.				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N8	18	GY	2033819C1	1652325C1	* B	N9A	18	GY	2033819C1	1652325C1	C	N8B	18	GY	2033819C1	1652325C1	D	N44-GB	18	WH	2033819C1	1652325C1	E	N9F	18	GY	2033819C1	1652325C1	** F	N9F	18	GY	2033819C1	1652325C1	CHASSIS GND SPLICE PACK (8803)  CONNECTOR - 3551898C1 PLUG - 0587579C1 LOCK - 3551897C1 COVER - 3551792C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERM</th><th>SEAL</th></tr> <tr> <td>A</td><td>N10-G</td><td>14</td><td>WH</td><td>2033819C1</td><td>0589391C1</td></tr> <tr> <td>B</td><td>N10-GA</td><td>12</td><td>WH</td><td>2033819C1</td><td>0589390C1</td></tr> <tr> <td>* C</td><td>N39-G</td><td>18</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> <tr> <td>** D</td><td>N39-GB</td><td>18</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> <tr> <td>E</td><td>N49-G</td><td>18</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> <tr> <td>F</td><td>N10-GF</td><td>18</td><td>WH</td><td>2033819C1</td><td>1652325C1</td></tr> </table> * - FOR RIGHT SIDE MTD DRAIN VALVE, CIRCUIT NUMBER IS N39-GA. ** - FOR RIGHT SIDE MTD AIR DRYER, CIRCUIT NUMBER IS N39-GC				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N10-G	14	WH	2033819C1	0589391C1	B	N10-GA	12	WH	2033819C1	0589390C1	* C	N39-G	18	WH	2033819C1	1652325C1	** D	N39-GB	18	WH	2033819C1	1652325C1	E	N49-G	18	WH	2033819C1	1652325C1	F	N10-GF	18	WH	2033819C1	1652325C1
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																																																																						
A	N8	18	GY	2033819C1	1652325C1																																																																																						
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C	N8B	18	GY	2033819C1	1652325C1																																																																																						
D	N44-GB	18	WH	2033819C1	1652325C1																																																																																						
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HOOD SWITCH (8805)  <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th><th>SEAL</th></tr> <tr> <td>A</td><td>M104CC</td><td>18</td><td>DKBL</td><td>0587576C1</td><td>1652325C1</td></tr> <tr> <td>B</td><td>M104CB</td><td>18</td><td>DKBL</td><td>0587576C1</td><td>1652325C1</td></tr> </table> CONNECTOR - 0587568C1				CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL	A	M104CC	18	DKBL	0587576C1	1652325C1	B	M104CB	18	DKBL	0587576C1	1652325C1	THIS SPACE INTENTIONALLY LEFT BLANK																																																																					
CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL																																																																																						
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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																					
CNA	11APR05	REMOVED 9001-9255	E	50157D	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																																																																					
		ADDED 8700-8805			P52778H	DATE	PART NO.																																																																																				
						31MAY00	AE08-52376																																																																																				
							SHEET 52																																																																																				

Figure 258 Connector Composites (8700), (8701), (8800), (8801), (8802), (8803), (8805)

3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

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12.66. CONNECTOR COMPOSITES (9001), (9002), (9100), (9101), (9102), (9103), (9104), (9254), (9255), P. 53

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																													
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN																																													
LEFT SIDE HEATED DRAIN (9001)  CONNECTOR - 1661778C1 PLUG - 1687788C1 LOCK - 1661874C1 <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N39</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>N39-G</td> <td>18</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N39	18	GY	1661875C1	1661872C1	B	N39-G	18	WH	1661875C1	1661872C1	RIGHT SIDE HEATED DRAIN (9002)  CONNECTOR - 1661778C1 PLUG - 1687788C1 LOCK - 1661874C1 <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N39A</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>N39-GA</td> <td>18</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N39A	18	GY	1661875C1	1661872C1	B	N39-GA	18	WH	1661875C1	1661872C1						
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																												
A	N39	18	GY	1661875C1	1661872C1																																												
B	N39-G	18	WH	1661875C1	1661872C1																																												
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																												
A	N39A	18	GY	1661875C1	1661872C1																																												
B	N39-GA	18	WH	1661875C1	1661872C1																																												
LEFT FUEL SENDER (9100)  CONNECTOR - 1661778C1 PLUG - 1687788C1 LOCK - 1661874C1 <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N36</td> <td>18</td> <td>TN</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>N9A</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table> * - FOR DUAL MTD FUEL TANKS, CIRCUIT NUMBER IS N36E. ** - FOR AF MTD FUEL TANK, CIRCUIT NUMBER IS N9D.				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N36	18	TN	1661875C1	1661872C1	B	N9A	18	GY	1661875C1	1661872C1	RIGHT FUEL SENDER (9101)  <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A*</td> <td>N36A</td> <td>18</td> <td>TN</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>N9B</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B&</td> <td>N9</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table> CONNECTOR - 1661778C1 PLUG - 1687788C1 LOCK - 1661874C1 & W/ MXT * FOR DUAL MTD FUEL TANKS, CIRCUIT NUMBER IS N36C.				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A*	N36A	18	TN	1661875C1	1661872C1	B	N9B	18	GY	1661875C1	1661872C1	B&	N9	18	GY	1661875C1	1661872C1
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																												
A	N36	18	TN	1661875C1	1661872C1																																												
B	N9A	18	GY	1661875C1	1661872C1																																												
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																												
A*	N36A	18	TN	1661875C1	1661872C1																																												
B	N9B	18	GY	1661875C1	1661872C1																																												
B&	N9	18	GY	1661875C1	1661872C1																																												
FUEL TRANSFER PUMP (9102)  CONNECTOR - 3522068C1 LOCK - 1661874C1 <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N37-G</td> <td>18</td> <td>WH</td> <td>1661875C1</td> <td></td> </tr> <tr> <td>B</td> <td>N37D</td> <td>18</td> <td>TN</td> <td>1661875C1</td> <td></td> </tr> <tr> <td>B</td> <td>N37</td> <td>18</td> <td>TN</td> <td>1661875C1</td> <td></td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N37-G	18	WH	1661875C1		B	N37D	18	TN	1661875C1		B	N37	18	TN	1661875C1		RIGHT SIDE FUEL SENDER (9103)  CONNECTOR - 1661778C1 PLUG - 1661874C1 LOCK - 2025431C1 <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GA</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N36</td> <td>18</td> <td>TN</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>N9B</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>				CAV	CIR	GA	COLOR	TERM	SEAL	A	N36	18	TN	1661875C1	1661872C1	B	N9B	18	GY	1661875C1	1661872C1
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THIS SPACE INTENTIONALLY LEFT BLANK				FUEL TRANSFER PUMP INTERCONNECT (9104)  CONNECTOR - 0587568C91 PLUG - 0587579C1 LOCK - N/A <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N37D</td> <td>18</td> <td>TN</td> <td>0587579C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>N36B</td> <td>18</td> <td>TN</td> <td>0587579C1</td> <td>1652325C1</td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N37D	18	TN	0587579C1	1652325C1	B	N36B	18	TN	0587579C1	1652325C1																								
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ENG ECM FEED FUSE CONN (9254)  CONNECTOR - 1667639C1 PLUG - 1675451C1 <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N14AY</td> <td>10</td> <td>RD</td> <td>1661708C1</td> <td></td> </tr> <tr> <td>B</td> <td>N14BA</td> <td>10</td> <td>RD</td> <td>1661708C1</td> <td></td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N14AY	10	RD	1661708C1		B	N14BA	10	RD	1661708C1		TRANS ECU FEED FUSE CONN (9255)  CONNECTOR - 1667639C1 PLUG - 1675451C1 <table border="1"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERM</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N14AZ</td> <td>10</td> <td>RD</td> <td>1661708C1</td> <td></td> </tr> <tr> <td>B</td> <td>N14BB</td> <td>10</td> <td>RD</td> <td>1661708C1</td> <td></td> </tr> </tbody> </table>				CAV	CIR	GAUGE	COLOR	TERM	SEAL	A	N14AZ	10	RD	1661708C1		B	N14BB	10	RD	1661708C1							
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B	N14BA	10	RD	1661708C1																																													
CAV	CIR	GAUGE	COLOR	TERM	SEAL																																												
A	N14AZ	10	RD	1661708C1																																													
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CNA1	31MAR09	ADDED MXT EFFECTS	E	61817B	U00EDL2	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																																											
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						053																																											

Figure 259 Connector Composites (9001), (9002), (9100), (9101), (9102), (9103), (9104), (9254), (9255)

12.67. CONNECTOR COMPOSITES (9260), (9261), (9262), (9263), P. 54

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Figure 260 Connector Composites (9260), (9261), (9262), (9263)

12.68. CONNECTOR COMPOSITES , (9264), (9265), (9303A), (9405), (9501), (9502), (9503), (9504), (9505), (9506), (9506/9911), P. 55

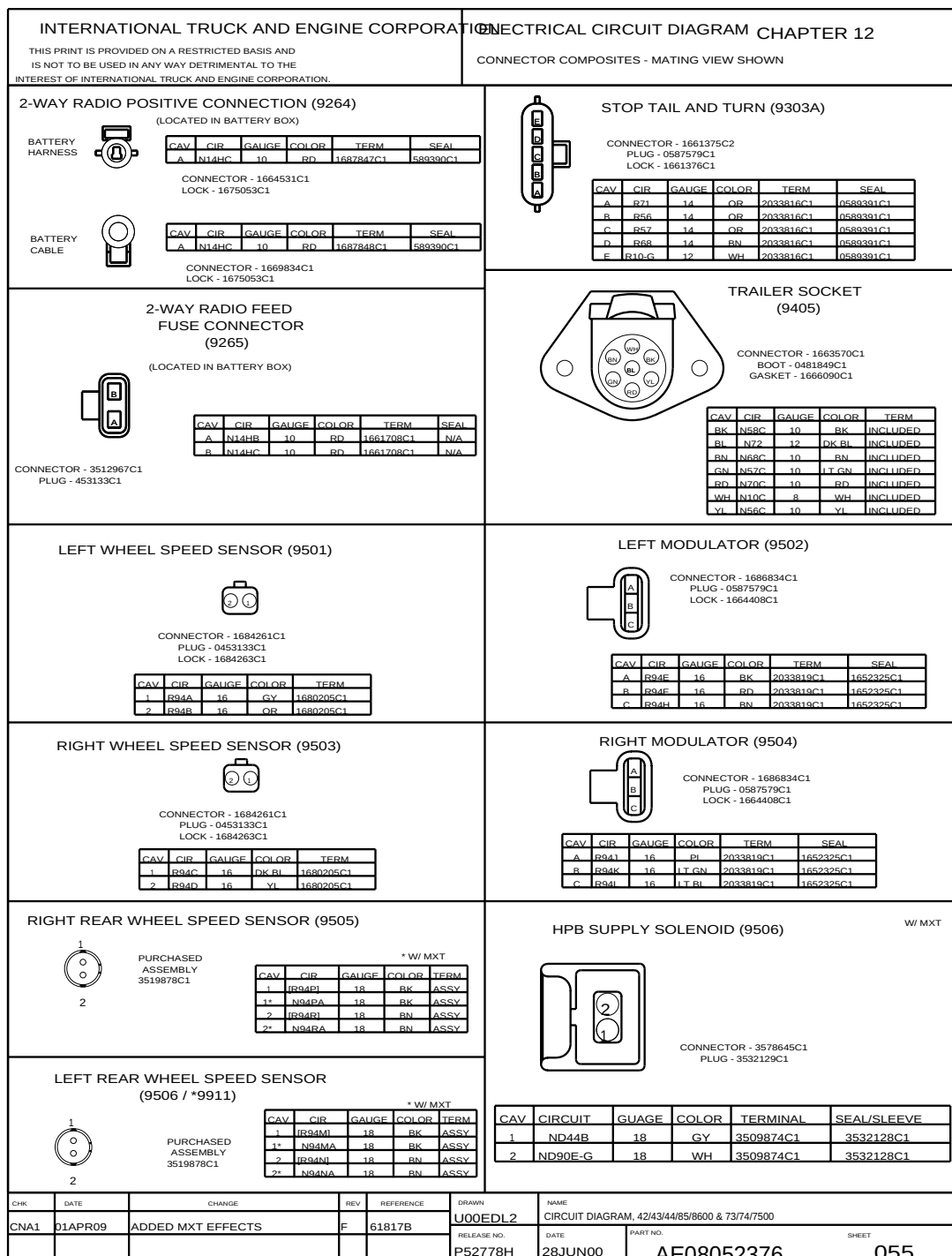


Figure 261 Connector Composites , (9264), (9265), (9303A), (9405), (9501), (9502), (9503), (9504), (9505), (9506), (9506/9911)

12.69. CONNECTOR COMPOSITES (9507), (9508), (9509), (9510), (9511), (9512), (9513), (9514), (9515), P. 56

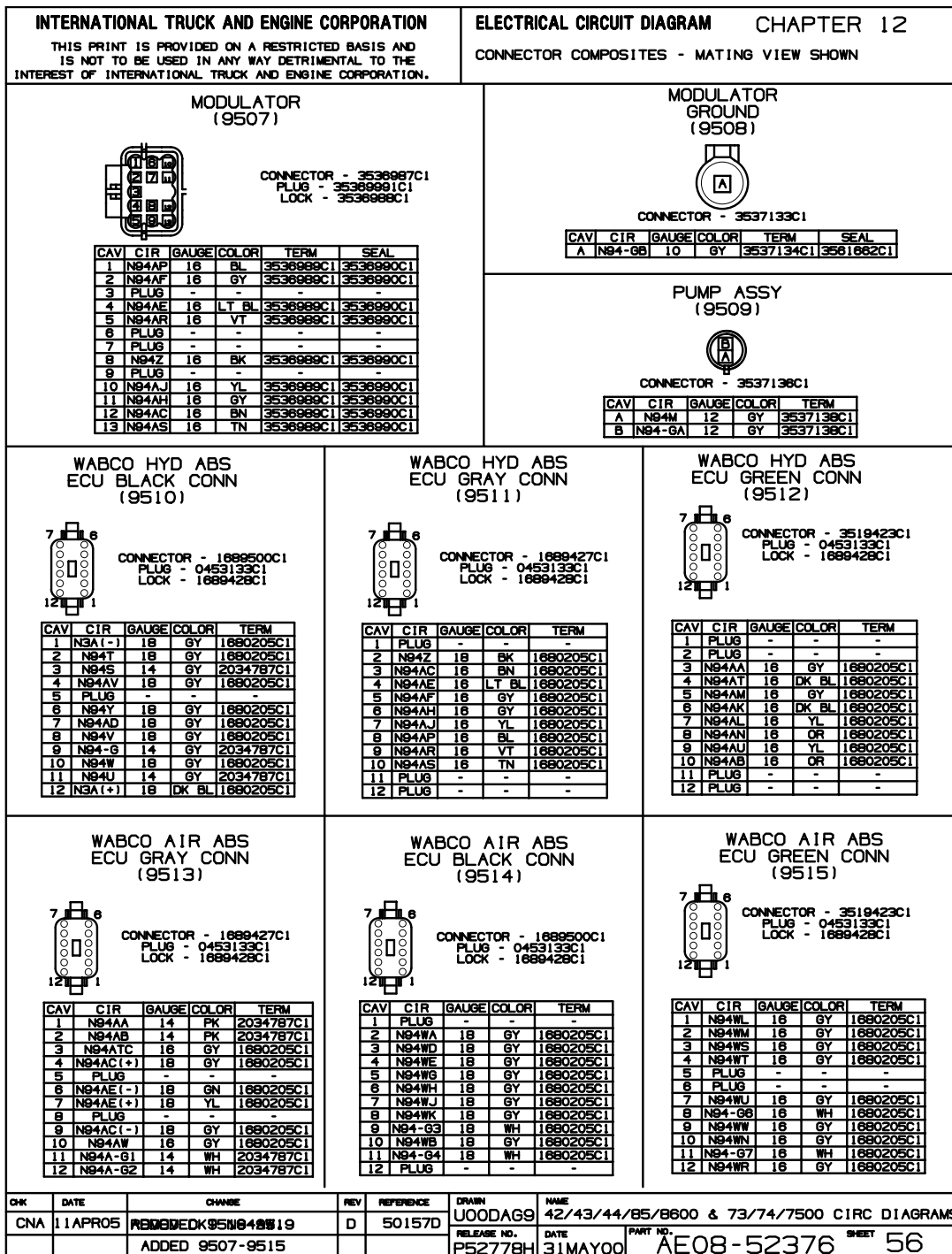


Figure 262 Connector Composites (9507), (9508), (9509), (9510), (9511), (9512), (9513), (9514), (9515)

3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

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12.70. CONNECTOR COMPOSITES (9516), (9517), (9518), (9519), (9520E), (9520F), (9521), (9528), P. 57

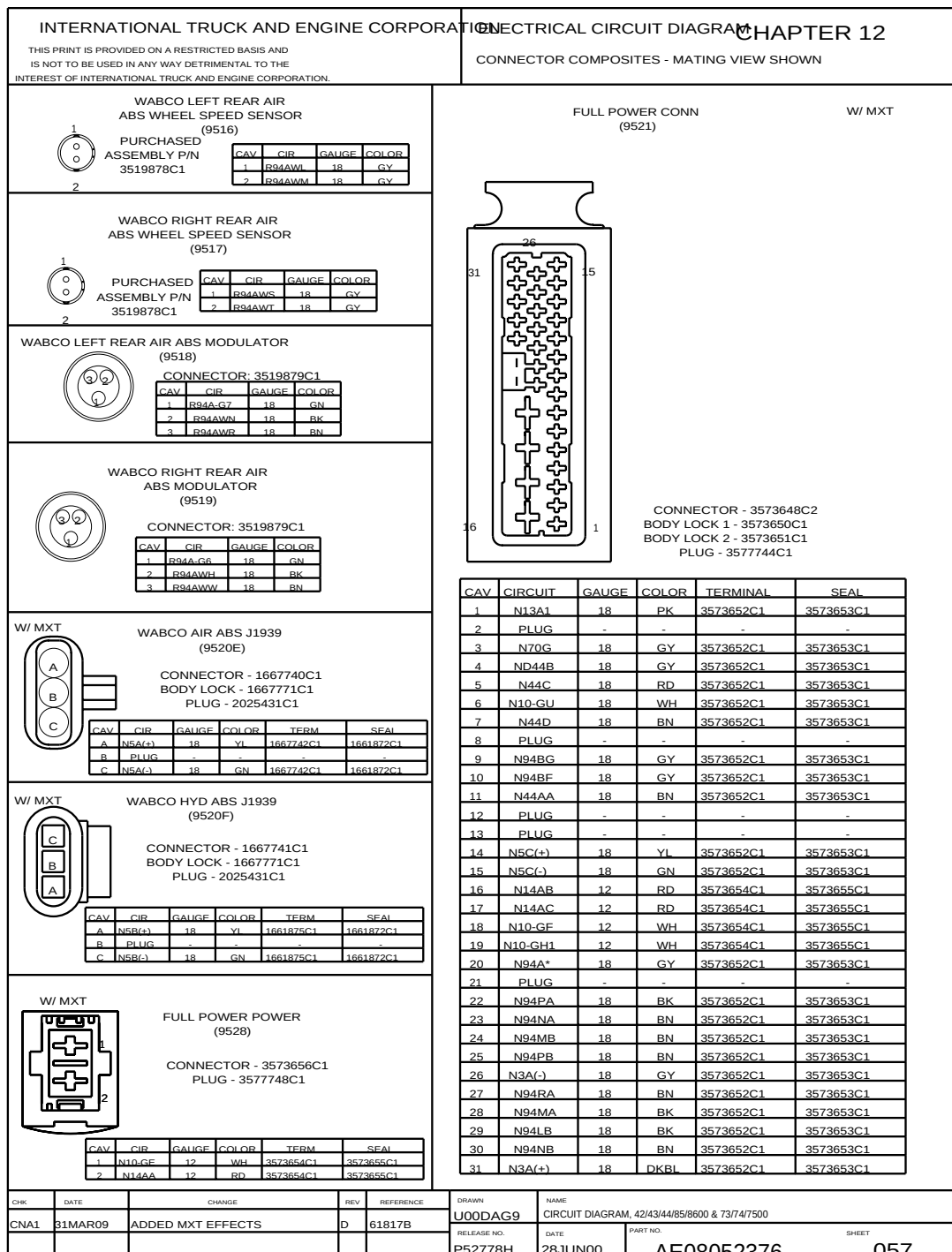


Figure 263 Connector Composites (9516), (9517), (9518), (9519), (9520E), (9520F), (9521), (9528)

12.71. CONNECTOR COMPOSITE (9700), P. 58

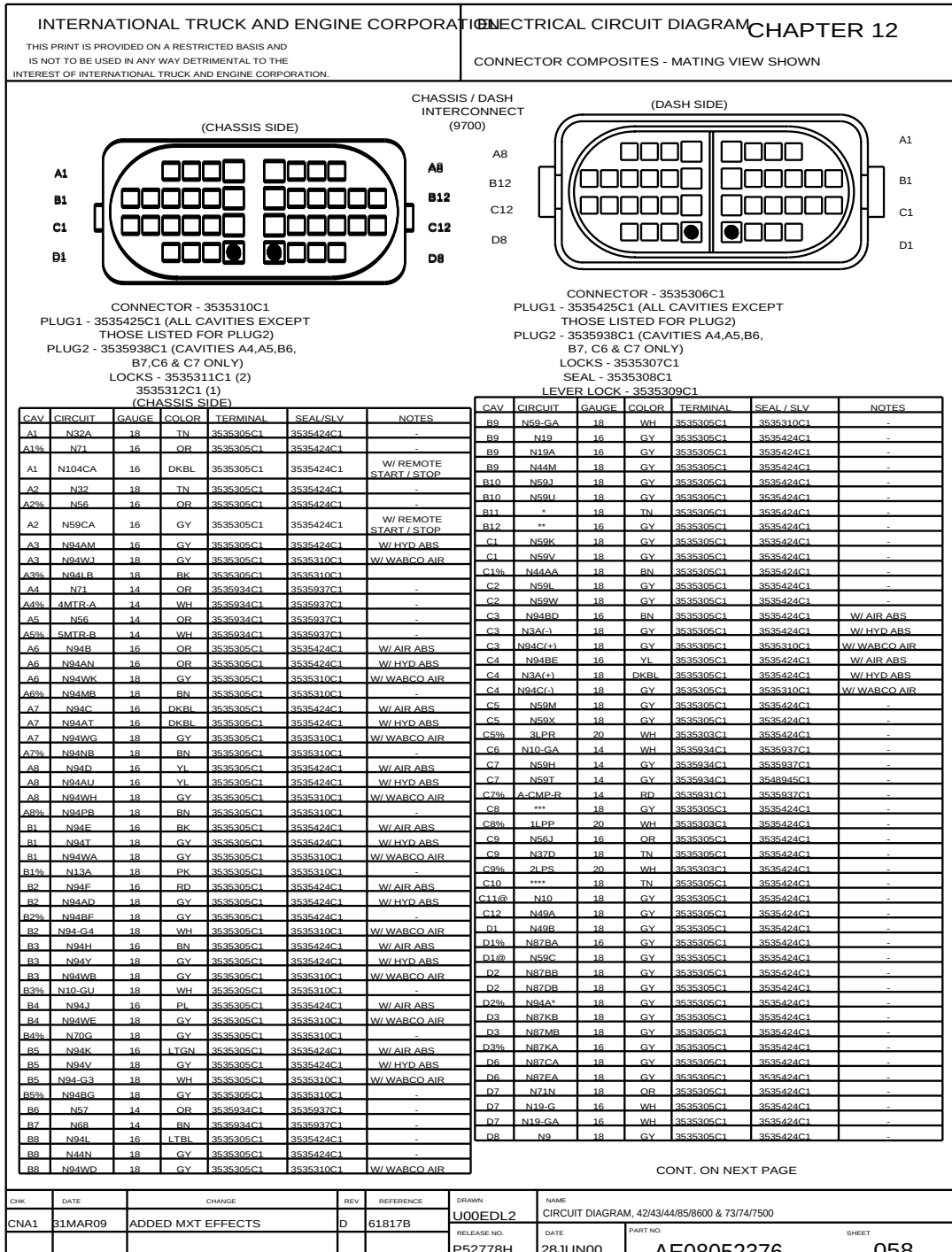


Figure 264 Connector Composite (9700)

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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12.72. CONNECTOR COMPOSITE (9700), P. 59

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ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

CHASSIS / DASH INTERCONNECT
(9700)

CONT. FROM PREVIOUS PAGE

(DASH SIDE)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL / SLV	NOTES
A1	J32	18	TN	3535303C1	3535424C1	-
A1%	J71A	18	OR	3535303C1	3535424C1	-
A1	J104C	18	DKBL	3535303C1	3535424C1	W/ REMOTE START / STOP
A2	J32A	18	TN	3535303C1	3535424C1	-
A2%	J59B	16	OR	3535303C1	3535424C1	-
A2	J59	16	GY	3535930C1	3535936C1	W/ REMOTE START / STOP
A3	J94AB	18	GY	3535303C1	3535424C1	W/ AIR ABS
A3	J94HM	18	GY	3535303C1	3535424C1	W/ HYD ABS
A3%	J94L	18	BK	3535303C1	3535424C1	-
A4	J71A	18	OR	3535930C1	3535936C1	-
A4%	JMTR-A	14	WH	3535303C1	3535937C1	-
A5	J59B	16	OR	3535930C1	3535936C1	-
A5%	JMTR-B	14	WH	3535303C1	3535937C1	-
A6	J94AC	18	OR	3535303C1	3535424C1	W/ AIR ABS
A6	J94HV	18	OR	3535303C1	3535424C1	W/ HYD ABS
A6%	J94M	18	BN	3535303C1	3535424C1	-
A7	J94AL	18	DKBL	3535303C1	3535424C1	W/ AIR ABS
A7	J94HT	18	DKBL	3535303C1	3535424C1	W/ HYD ABS
A7%	J94N	18	BN	3535303C1	3535424C1	-
A8	J94AK	18	YL	3535303C1	3535424C1	W/ AIR ABS
A8	J94HU	18	YL	3535303C1	3535424C1	W/ HYD ABS
A8%	J94P	18	BN	3535303C1	3535424C1	-
B1	J94AC	18	BK	3535303C1	3535424C1	W/ AIR ABS
B1	J94HD	18	GY	3535303C1	3535424C1	W/ HYD ABS
B1%	J13A	18	PK	3535303C1	3535424C1	-
B2	J94AD	18	RD	3535303C1	3535424C1	W/ AIR ABS
B2	J94HV	18	GY	3535303C1	3535424C1	W/ HYD ABS
B2%	J94BF	18	GY	3535303C1	3535424C1	-
B3	J94AE	18	BN	3535303C1	3535424C1	W/ AIR ABS
B3	J94HX	18	GY	3535303C1	3535424C1	W/ HYD ABS
B3%	J10-GU	18	WH	3535303C1	3535424C1	-
B4	J94AF	18	PL	3535303C1	3535424C1	W/ AIR ABS
B4%	J70G	18	GY	3535303C1	3535424C1	-
B5	J94AH	18	LTGN	3535303C1	3535424C1	W/ AIR ABS
B5	J94HP	18	GY	3535303C1	3535424C1	W/ HYD ABS
B5%	J94G	18	GY	3535303C1	3535424C1	-
B6	J57B	16	OR	3535930C1	3535936C1	-
B7	J59B	14	BN	3535931C1	3535937C1	-
B8	J94AJ	18	GY	3535303C1	3535424C1	-
B8	J44N	16	GY	3535303C1	3535424C1	-
B9	N59-GA	18	WH	3535303C1	3535424C1	-
B9	J44M	18	GY	3535303C1	3535424C1	-
B10	J59A	18	GY	3535303C1	3535424C1	-
B11	J36A	18	TN	3535303C1	3535424C1	-
B11%	A36A	18	TN	3535303C1	3535424C1	-
B12	J39A	16	GY	3535303C1	3535424C1	-

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL / SLV	NOTES
C1	J59B	18	GY	3535303C1	3535424C1	-
C2	J59C	18	GY	3535303C1	3535424C1	-
C3	J94ATC	18	GY	3535303C1	3535424C1	W/ AIR ABS
C3	J3C(-)	18	GY	3535303C1	3535424C1	W/ HYD ABS
C3%	J3C(-)	20	GY	3535303C1	3535424C1	-
C4	J94ATR	18	GY	3535303C1	3535424C1	W/ AIR ABS
C4	J3C(+)	18	DKBL	3535303C1	3535424C1	W/ HYD ABS
C4%	J3C(+)	20	DKBL	3535303C1	3535424C1	-
C5	J59D	18	GY	3535303C1	3535424C1	-
C5%	JLPR	20	WH	3535303C1	3535424C1	-
C6	J11-GA	14	WH	3535931C1	3535937C1	-
C7	J59E	14	GY	3535931C1	3535937C1	-
C7%	JCMPR	14	WH	3535931C1	3535937C1	-
C8	J39B	16	GY	3535303C1	3535424C1	-
C8%	JLPP	20	WH	3535303C1	3535424C1	-
C9	J37	16	TN	3535303C1	3535424C1	-
C9%	JLPS	20	WH	3535303C1	3535424C1	-
C10	J36B	18	TN	3535303C1	3535424C1	-
C11@	J10	18	GY	3535303C1	3535424C1	-
C12	J49A	18	GY	3535303C1	3535424C1	-
D1	J49B	18	GY	3535303C1	3535424C1	-
D1%	J87BA	18	GY	3535303C1	3535424C1	-
D1@	J59C	18	GY	3535303C1	3535424C1	-
D2	J87BB	18	GY	3535303C1	3535424C1	-
D3	J87KB	16	GY	3535303C1	3535424C1	-
D6	J87CA	18	GY	3535303C1	3535424C1	-
D7	J71N	18	OR	3535303C1	3535424C1	-
D8	J9G	18	GY	3535303C1	3535424C1	-

* - FOR LEFT SIDE MTD FUEL TANKS, CIR NUM IS N36;
FOR RIGHT SIDE MTD FUEL TANKS AND FOR MXT
CIR NUM IS N36A;
FOR DUAL FUEL TANKS, CIR NUM IS N36B
FOR AF MTD FUEL TANKS, CIR NUM IS N36C;

** - FOR LEFT SIDE MTD AIR DRYERS, CIR NUM IS N39B;
FOR RIGHT SIDE MTD AIR DRYERS, CIR NUM IS N39C;

*** - FOR LEFT SIDE MTD DRAIN VALVES, CIR NUM IS N39;
FOR RIGHT SIDE MTD DRAIN VALVES, CIR NUM IS N39A;

**** - FOR SINGLE TANK, CIR NUM IS N36;
FOR DUAL TANKS, CIR NUM IS N36H;

@ - W/ 5TH WHEEL OPTION
& - W/ COMMUNICATION SYSTEM, AWARE
% - W/ MXT VEHICLE

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	31MAR09	ADDED MXT EFFECTS	D	61817B	U00DLCK	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO.	DATE
					P54634F	14JUN01
						PART NO.
						AE08052376
						SHEET
						059

Figure 265 Connector Composite (9700)

12.73. CONNECTOR COMPOSITES (9715/9780), (9715A), (9715B), P. 60

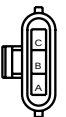
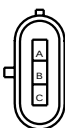
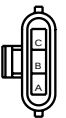
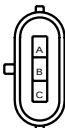
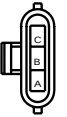
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Figure 266 Connector Composites (9715/9780), (9715A), (9715B)

3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

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12.74. CONNECTOR COMPOSITES (9716/9779), (9716A), (9716B), P. 61

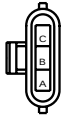
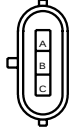
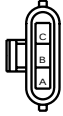
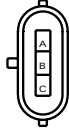
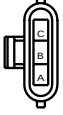
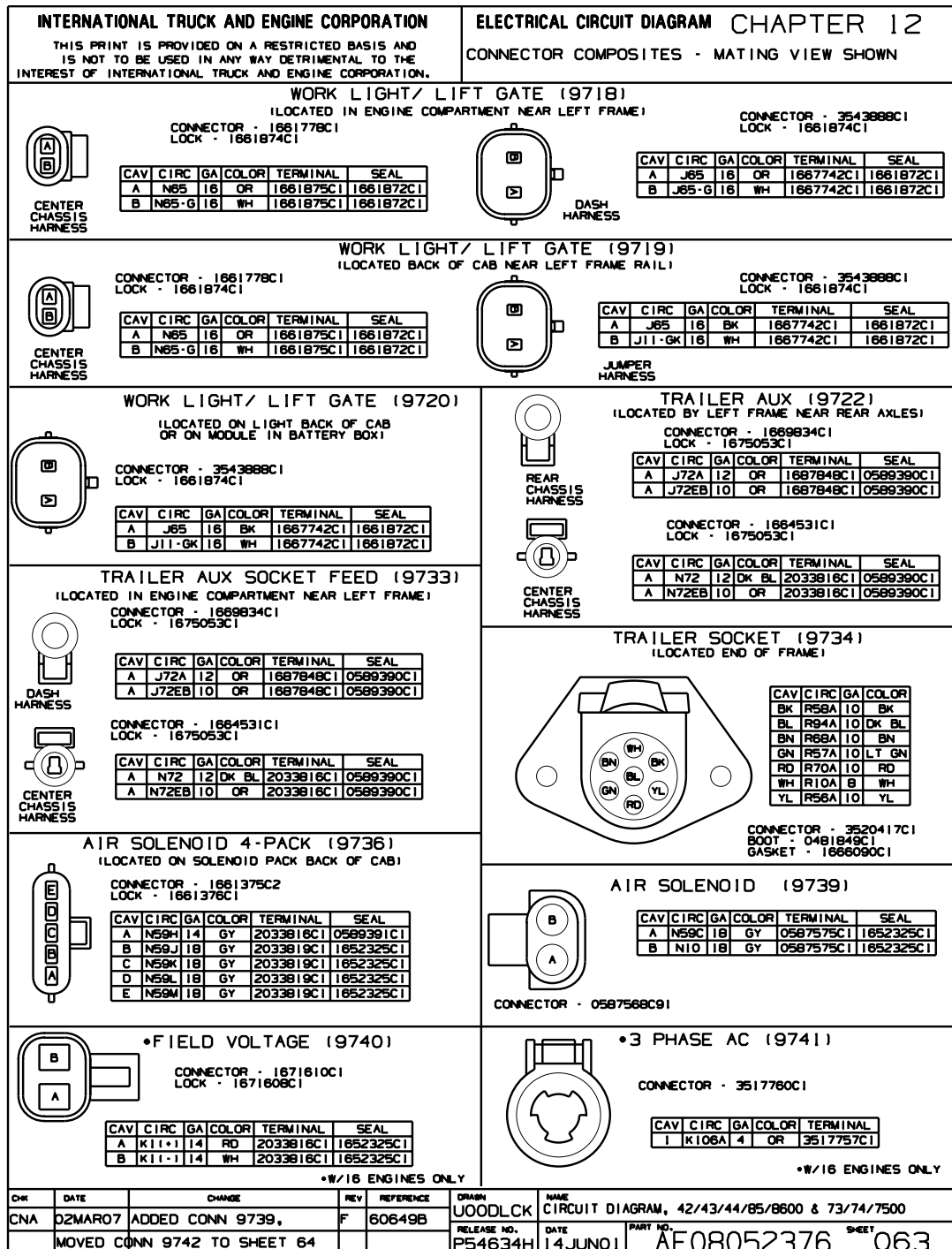
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Figure 267 Connector Composites (9716/9779), (9716A), (9716B)

12.75. CONNECTOR COMPOSITES (9717A), (9717B), P. 62

INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.	ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12 CONNECTOR COMPOSITES - MATING VIEW SHOWN																				
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Figure 268 Connector Composites (9717A), (9717B)

12.76. CONNECTOR COMPOSITES (9718), (9719), (9720), (9722), (9733), (9734), (9736), (9739), (9740), (9741), P. 63**Figure 269 Connector Composites (9718), (9719), (9720), (9722), (9733), (9734), (9736), (9739), (9740), (9741)**

12.77. CONNECTOR COMPOSITES (9742), (9743), (9745), (9754), (9762), (9763), (9765), (9766), (9767), P. 64

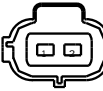
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*3 PHASE AC (9742)  CONNECTOR - 3517760C1 *W/ I6 ENGINES ONLY				*3 PHASE AC (9743)  CONNECTOR - 3517760C1 *W/ I6 ONLY																																							
SS / RH WATER PUMP (9745) W/ MXT  CONNECTOR - 3536864C1 PLUG - 3548254C1 <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N87KA</td> <td>16</td> <td>GY</td> <td>3561584C1</td> <td>3536868C1</td> </tr> <tr> <td>2</td> <td>N87BA</td> <td>16</td> <td>GY</td> <td>3561584C1</td> <td>3536868C1</td> </tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL	1	N87KA	16	GY	3561584C1	3536868C1	2	N87BA	16	GY	3561584C1	3536868C1	TRANSFER CASE SWITCH PIGTAIL (9754)  CONNECTOR - 0587567C91 PLUG - 0587579C1 <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLV</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N42</td> <td>18</td> <td>GY</td> <td>0587578C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>N42-G</td> <td>18</td> <td>WH</td> <td>0587578C1</td> <td>1652325C1</td> </tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV	A	N42	18	GY	0587578C1	1652325C1	B	N42-G	18	WH	0587578C1	1652325C1
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LIFT AXLE (9762) CENTER CHASSIS HARNESS CONNECTOR - 1661778C1 BODY LOCK - 1661874C1 <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLV</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N59EF</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>N59-GC</td> <td>18</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV	A	N59EF	18	GY	1661875C1	1661872C1	B	N59-GC	18	WH	1661875C1	1661872C1	LIFT AXLE (9763) CONNECTOR - 1661778C1 BODY LOCK - 1661874C1 <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLV</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N59EC</td> <td>18</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>N59-GB</td> <td>18</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV	A	N59EC	18	GY	1661875C1	1661872C1	B	N59-GB	18	WH	1661875C1	1661872C1
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WORK LIGHT (9765) CENTER CHASSIS HARNESS CONNECTOR - 1661778C1 BODY LOCK - 1661874C1 LOCATED IN ENGINE COMPARTMENT NEAR LEFT FRAME <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLV</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>P65</td> <td>16</td> <td>OR</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>P65-G</td> <td>16</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>						CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV	A	P65	16	OR	1661875C1	1661872C1	B	P65-G	16	WH	1661875C1	1661872C1																				
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WORK LIGHT (9767) LOCATED AT EOF REAR CHASSIS HARNESS CONNECTOR - 1661778C1 BODY LOCK - 1661874C1 <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLV</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>S65</td> <td>16</td> <td>OR</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>S65-G</td> <td>16</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>						CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV	A	S65	16	OR	1661875C1	1661872C1	B	S65-G	16	WH	1661875C1	1661872C1																				
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					P54634H	14JUN01																																					
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Figure 270 Connector Composites (9742), (9743), (9745), (9754), (9762), (9763), (9765), (9766), (9767)

3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

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12.78. CONNECTOR COMPOSITES (9777), (9778), P. 65

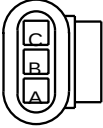
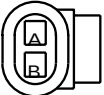
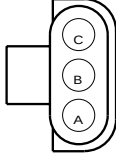
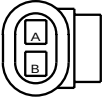
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																													
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SAAR (9777) (LOCATED ON FRAME RAIL)  CONNECTOR - 1667741C1 SEAL - 1661872C1				REMOTE START/STOP BODY BUILDER CONNECTION (9778) (LOCATED ON FRAME RAIL)  CONNECTOR - 0587567C91 SEAL - 1652325C1																																													
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C	N44M	18	GY	1661875C1	1661872C1																																												
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P54634F		14JUN01		AE08052376		065																																											

Figure 271 Connector Composites (9777), (9778)

12.79. CONNECTOR COMPOSITES (9870), (9871), (9811), (9812), (9814), (9815), (9830), (9850), (9860), (9865M), (9900), (9900A), (9913A), P. 66

INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12 CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																	
AIR SUSPENSION DUMP VALVE 4X2 (9870) (LOCATED NEAR REAR AXLE ON CROSSMEMBER)  CONNECTOR - 0587568C91 SEAL - 1652325C1 TERMINAL - 0587576C1				AIR SUSPENSION DUMP VALVE 6X4 (9871) (LOCATED NEAR REAR AXLE ON CROSSMEMBER)  CONNECTOR - 0587568C91 SEAL - 1652325C1 TERMINAL - 0587576C1																																																	
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FR AXLE TEMP SENDER (9811) (LOCATED ON AXLE)  CONNECTOR - 3536864C1				RR AXLE TEMP SENDER (9812) (LOCATED ON AXLE)  CONNECTOR - 3536864C1																																																	
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FR AXLE DIFF LOCK WARN LIGHT (9814) (LOCATED ON AXLE)  CONNECTOR - 587567C91				RR AXLE DIFF LOCK WARN LIGHT (9815) (LOCATED ON AXLE)  CONNECTOR - 587567C91																																																	
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SUSPENSION TRANSDUCER (9830)  CONNECTOR - 1678137C1 SEAL - 1661872C1 PLUG - 2025431C1				AIR SUSPENSION SOLENOID (9850) (LOCATED ON LEFT FRAME RAIL NEAR REAR AXLES)  CONNECTOR - 587568C91																																																	
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LOAD INDICATOR (9860)  CONNECTOR - 1667740C1 SEAL - 1661872C1 LOCK - 1667771C1				LOAD INDICATOR (9865M)  CONNECTOR - 1667741C1 SEAL - 1661872C1 LOCK - 1667771C1																																																	
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RIGHT SIDE AIR DRYER (9900) (LOCATED ON AIR DRYER)  CONNECTOR - 1673790C1 LOCK - 1673791C1				LEFT SIDE AIR DRYER (9900A) (LOCATED ON AIR DRYER)  CONNECTOR - 1673790C1 LOCK - 1673791C1																																																	
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LECTRASHIFT PTO/HOURMETER (9913A) (DASH HARNESS)  CONNECTOR - 1664531C1 LOCK - 1675053C1				(ENGINE/XMSN HARNESS)  CONNECTOR - 1669834C1 LOCK - 1675053C1																																																	
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Figure 272 Connector Composites (9870), (9871), (9811), (9812), (9814), (9815), (9830), (9850), (9860), (9865M), (9900), (9900A), (9913A)

12.80. CONNECTOR COMPOSITES (9913B), (9914), (9994), (9999), P. 67

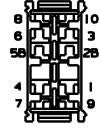
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																																																																											
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																											
LECTRASHIFT PTO (9913B) (LOCATED NEAR XMSN)  CONNECTOR - 0587570C91 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K14LSA</td> <td>18</td> <td>BK</td> <td>0587576C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>K14LSB</td> <td>18</td> <td>RD</td> <td>0587576C1</td> <td>1652325C1</td> </tr> <tr> <td>C</td> <td>K14LSC</td> <td>12</td> <td>WH</td> <td>1673747C1</td> <td>0589390C1</td> </tr> </tbody> </table>						CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL	A	K14LSA	18	BK	0587576C1	1652325C1	B	K14LSB	18	RD	0587576C1	1652325C1	C	K14LSC	12	WH	1673747C1	0589390C1																																																																		
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DIODE ASSY (9914) (LOCATED OUTSIDE CAB NEAR ESC)  CONNECTOR - 3539777C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>NOTES</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>J46C</td> <td>18</td> <td>PL</td> <td>1659751C1</td> <td>W/LECTRASHIFT PTO</td> </tr> <tr> <td>1</td> <td>J104F</td> <td>18</td> <td>DK BL</td> <td>1651969C1</td> <td>W/REMOTE START/STOP</td> </tr> <tr> <td>2</td> <td>J11-GC</td> <td>18</td> <td>GY</td> <td>1651969C1</td> <td>W/LECTRASHIFT PTO</td> </tr> <tr> <td>2</td> <td>J104H</td> <td>18</td> <td>DK BL</td> <td>1651969C1</td> <td>W/REMOTE START/STOP</td> </tr> </tbody> </table>						CAV	CIR	GAUGE	COLOR	TERMINAL	NOTES	1	J46C	18	PL	1659751C1	W/LECTRASHIFT PTO	1	J104F	18	DK BL	1651969C1	W/REMOTE START/STOP	2	J11-GC	18	GY	1651969C1	W/LECTRASHIFT PTO	2	J104H	18	DK BL	1651969C1	W/REMOTE START/STOP																																																												
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TELEMATICS ALERT SWITCH (9994)  CONNECTOR - 3520850C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>2B</td><td>HBA6</td><td>18</td><td>GY</td><td>1661224C1</td></tr> <tr><td>2B*</td><td>A74B</td><td>18</td><td>GY</td><td>1661224C1</td></tr> <tr><td>3</td><td>HD9V</td><td>18</td><td>GY</td><td>1661224C1</td></tr> <tr><td>3</td><td>HF9VB</td><td>18</td><td>GY</td><td>1661224C1</td></tr> <tr><td>3*</td><td>A9VA</td><td>18</td><td>GY</td><td>1661224C1</td></tr> <tr><td>4</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>5B</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>6</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>7</td><td>HBOUT1</td><td>18</td><td>WH</td><td>1661224C1</td></tr> <tr><td>7*</td><td>A74A</td><td>18</td><td>GY</td><td>1661224C1</td></tr> <tr><td>8</td><td>HB62</td><td>18</td><td>GY</td><td>1661224C1</td></tr> <tr><td>8*</td><td>A62B</td><td>16</td><td>DKBL</td><td>1661226C1</td></tr> <tr><td>9</td><td>HB11-G</td><td>18</td><td>GY</td><td>1661224C1</td></tr> <tr><td>9*</td><td>A11-GF</td><td>18</td><td>WH</td><td>1661224C1</td></tr> <tr><td></td><td>A11-GE</td><td>18</td><td>WH</td><td>1661224C1</td></tr> <tr><td>10</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table> • W/ COMMUNICATIONS SYSTEM, AWARE						CAV	CIR	GAUGE	COLOR	TERMINAL	1	-	-	-	-	2B	HBA6	18	GY	1661224C1	2B*	A74B	18	GY	1661224C1	3	HD9V	18	GY	1661224C1	3	HF9VB	18	GY	1661224C1	3*	A9VA	18	GY	1661224C1	4	-	-	-	-	5B	-	-	-	-	6	-	-	-	-	7	HBOUT1	18	WH	1661224C1	7*	A74A	18	GY	1661224C1	8	HB62	18	GY	1661224C1	8*	A62B	16	DKBL	1661226C1	9	HB11-G	18	GY	1661224C1	9*	A11-GF	18	WH	1661224C1		A11-GE	18	WH	1661224C1	10	-	-	-	-
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SAFETY VISION MONITOR (9999)  CONNECTOR - 3592285C1 <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>GB12RD</td> <td>18</td> <td>RD</td> <td>3529315C1</td> </tr> <tr> <td>2</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>3</td> <td>GB12BK</td> <td>18</td> <td>LTGN</td> <td>3529315C1</td> </tr> <tr> <td>4</td> <td>GB12-G</td> <td>18</td> <td>BK</td> <td>3529315C1</td> </tr> </tbody> </table>						CAV	CIR	GAUGE	COLOR	TERMINAL	1	GB12RD	18	RD	3529315C1	2	-	-	-	-	3	GB12BK	18	LTGN	3529315C1	4	GB12-G	18	BK	3529315C1																																																																	
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Figure 273 Connector Composites (9913B), (9914), (9994), (9999)

12.81. CONNECTOR COMPOSITES (1J), (2J), P. 67A

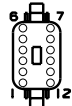
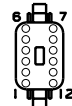
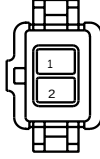
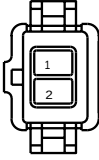
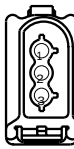
INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12 CONNECTOR COMPOSITES - MATING VIEW SHOWN																																																																																																																																
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TELEMATICS 2 (2J)  CONNECTOR 3601923C1 CONN LOCK 3601925C1				<table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th>CAV</th><th>CIR</th><th>GAUGE</th><th>COLOR</th><th>TERMINAL</th></tr> </thead> <tbody> <tr><td>1</td><td>HA3H1(+)</td><td>18</td><td>DKBL</td><td>1680205C1</td></tr> <tr><td>1*</td><td>A98B2(+)</td><td>18</td><td>BK</td><td>1680205C1</td></tr> <tr><td>2</td><td>HA3H1(-)</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>2*</td><td>A98B2(-)</td><td>18</td><td>BK</td><td>1680205C1</td></tr> <tr><td>3</td><td>HCPPU</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>3*</td><td>A74F</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>4</td><td>HCA2</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>4*</td><td>A74A2</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>5</td><td>HCA4</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>5*</td><td>A74D</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>6</td><td>HBA6</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>6*</td><td>A74B</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>7</td><td>HCA5</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>7*</td><td>A74E</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>8</td><td>HCA3</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>8*</td><td>A74A3</td><td>16</td><td>GY</td><td>1680205C1</td></tr> <tr><td>9</td><td>HCA1</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>9*</td><td>A36A</td><td>18</td><td>TN</td><td>1680205C1</td></tr> <tr><td>10</td><td>HC11-G</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>10*</td><td>A11-GD</td><td>18</td><td>GY</td><td>1680205C1</td></tr> <tr><td>11</td><td>PLUG</td><td>-</td><td>-</td><td>0453133C1</td></tr> <tr><td>12</td><td>PLUG</td><td>-</td><td>-</td><td>0453133C1</td></tr> </tbody> </table> • W/ COMMUNICATIONS SYSTEM, AWARE				CAV	CIR	GAUGE	COLOR	TERMINAL	1	HA3H1(+)	18	DKBL	1680205C1	1*	A98B2(+)	18	BK	1680205C1	2	HA3H1(-)	18	GY	1680205C1	2*	A98B2(-)	18	BK	1680205C1	3	HCPPU	18	GY	1680205C1	3*	A74F	18	GY	1680205C1	4	HCA2	18	GY	1680205C1	4*	A74A2	18	GY	1680205C1	5	HCA4	18	GY	1680205C1	5*	A74D	18	GY	1680205C1	6	HBA6	18	GY	1680205C1	6*	A74B	18	GY	1680205C1	7	HCA5	18	GY	1680205C1	7*	A74E	18	GY	1680205C1	8	HCA3	18	GY	1680205C1	8*	A74A3	16	GY	1680205C1	9	HCA1	18	GY	1680205C1	9*	A36A	18	TN	1680205C1	10	HC11-G	18	GY	1680205C1	10*	A11-GD	18	GY	1680205C1	11	PLUG	-	-	0453133C1	12	PLUG	-	-	0453133C1										
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Figure 274 Connector Composites (1J), (2J)

**3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS**

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12.82. CONNECTOR COMPOSITES (9988), (9989), (9990), (9991), (9992), (9993), (9995), (9996), P. 68

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12																																											
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FLARE LAMP (LEFT RED) (9990)  <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>R10-G</td> <td>18</td> <td>WH</td> <td>*XL3T-14474-EAE</td> </tr> <tr> <td>2</td> <td>R68</td> <td>18</td> <td>BN</td> <td>*XL3T-14474-EAE</td> </tr> </tbody> </table> *F6AB-14A464-GA				CAV	CIR	GAUGE	COLOR	TERMINAL	1	R10-G	18	WH	*XL3T-14474-EAE	2	R68	18	BN	*XL3T-14474-EAE	FLARE LAMP (RIGHT RED) (9991)  <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>R10-G</td> <td>18</td> <td>WH</td> <td>*XL3T-14474-EAE</td> </tr> <tr> <td>2</td> <td>R68</td> <td>18</td> <td>BN</td> <td>*XL3T-14474-EAE</td> </tr> </tbody> </table> *F6AB-14A464-GA				CAV	CIR	GAUGE	COLOR	TERMINAL	1	R10-G	18	WH	*XL3T-14474-EAE	2	R68	18	BN	*XL3T-14474-EAE										
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LEFT TAIL TURN / STOP LAMP (9992)  <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>R10-G</td> <td>18</td> <td>WH</td> <td>*97BG-14474-AEA</td> </tr> <tr> <td>2</td> <td>R68</td> <td>18</td> <td>BN</td> <td>-</td> </tr> <tr> <td>3</td> <td>R56</td> <td>14</td> <td>OR</td> <td>*97BG-14474-AEA</td> </tr> </tbody> </table> *ZFJ-00703-UA				CAV	CIR	GAUGE	COLOR	TERMINAL	1	R10-G	18	WH	*97BG-14474-AEA	2	R68	18	BN	-	3	R56	14	OR	*97BG-14474-AEA	RIGHT TAIL TURN / STOP LAMP (9993)  <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>R10-G</td> <td>18</td> <td>WH</td> <td>*97BG-14474-AEA</td> </tr> <tr> <td>2</td> <td>R68</td> <td>18</td> <td>BN</td> <td>-</td> </tr> <tr> <td>3</td> <td>R57</td> <td>14</td> <td>OR</td> <td>*97BG-14474-AEA</td> </tr> </tbody> </table> *ZFJ-00703-UA				CAV	CIR	GAUGE	COLOR	TERMINAL	1	R10-G	18	WH	*97BG-14474-AEA	2	R68	18	BN	-	3	R57	14	OR	*97BG-14474-AEA
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NOTE - * INDICATES PARTS TO BE GIVEN BY SUPPLIER

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
					UQQAXPC	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.	PART NO.
					59918L	AF08-52376
					DATE	SHEET
					22DEC05	68

Figure 275 Connector Composites (9988), (9989), (9990), (9991), (9992), (9993), (9995), (9996)

12.83. CONNECTOR COMPOSITES (1936), (1937), (1938), (1940), P. 69

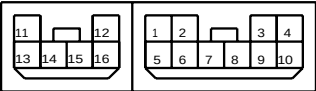
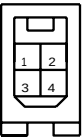
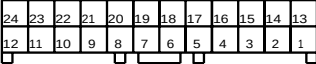
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Figure 276 Connector Composites (1936), (1937), (1938), (1940)

12.84. CONNECTOR COMPOSITES (1943), (1944), (1949), (1997), P. 70

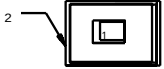
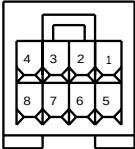
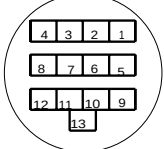
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Figure 277 Connector Composites (1943), (1944), (1949), (1997)

12.85. CONNECTOR COMPOSITE (9998), P. 71

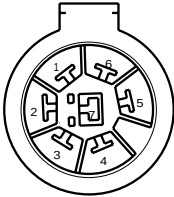
INTERNATIONAL TRUCK AND ENGINE CORPORATION THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.	ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12 CONNECTOR COMPOSITES - MATING VIEW SHOWN																																
INLINE TO POLLAK RV STYLE TRAILER SOCKET (9998)  *CONNECTOR - 3807576C91 <table border="1" style="border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIR</th> <th>GAUGE</th> <th>COLOR</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N56BC</td> <td>14</td> <td>OR</td> </tr> <tr> <td>2</td> <td>R10</td> <td>10</td> <td>WH</td> </tr> <tr> <td>3</td> <td>R94</td> <td>12</td> <td>DKBL</td> </tr> <tr> <td>4</td> <td>N57BC</td> <td>14</td> <td>OR</td> </tr> <tr> <td>5</td> <td>N12BB</td> <td>12</td> <td>LTBL</td> </tr> <tr> <td>6</td> <td>R68</td> <td>12</td> <td>BN</td> </tr> <tr> <td>7</td> <td>N71BB</td> <td>14</td> <td>OR</td> </tr> </tbody> </table> NOTE: 1.* INDICATES PART TO BE GIVEN BY SUPPLIER		CAV	CIR	GAUGE	COLOR	1	N56BC	14	OR	2	R10	10	WH	3	R94	12	DKBL	4	N57BC	14	OR	5	N12BB	12	LTBL	6	R68	12	BN	7	N71BB	14	OR
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Figure 278 Connector Composite (9998)

3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, MXT, RXT
Models Built Oct. 1, 2005 to Feb. 28, 2007 — ELECTRICAL CIRCUIT DIAGRAMS

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12.86. CONNECTOR COMPOSITES (C1), (C15), (C40), (C50), (C60), (C70), (C80), P. 72

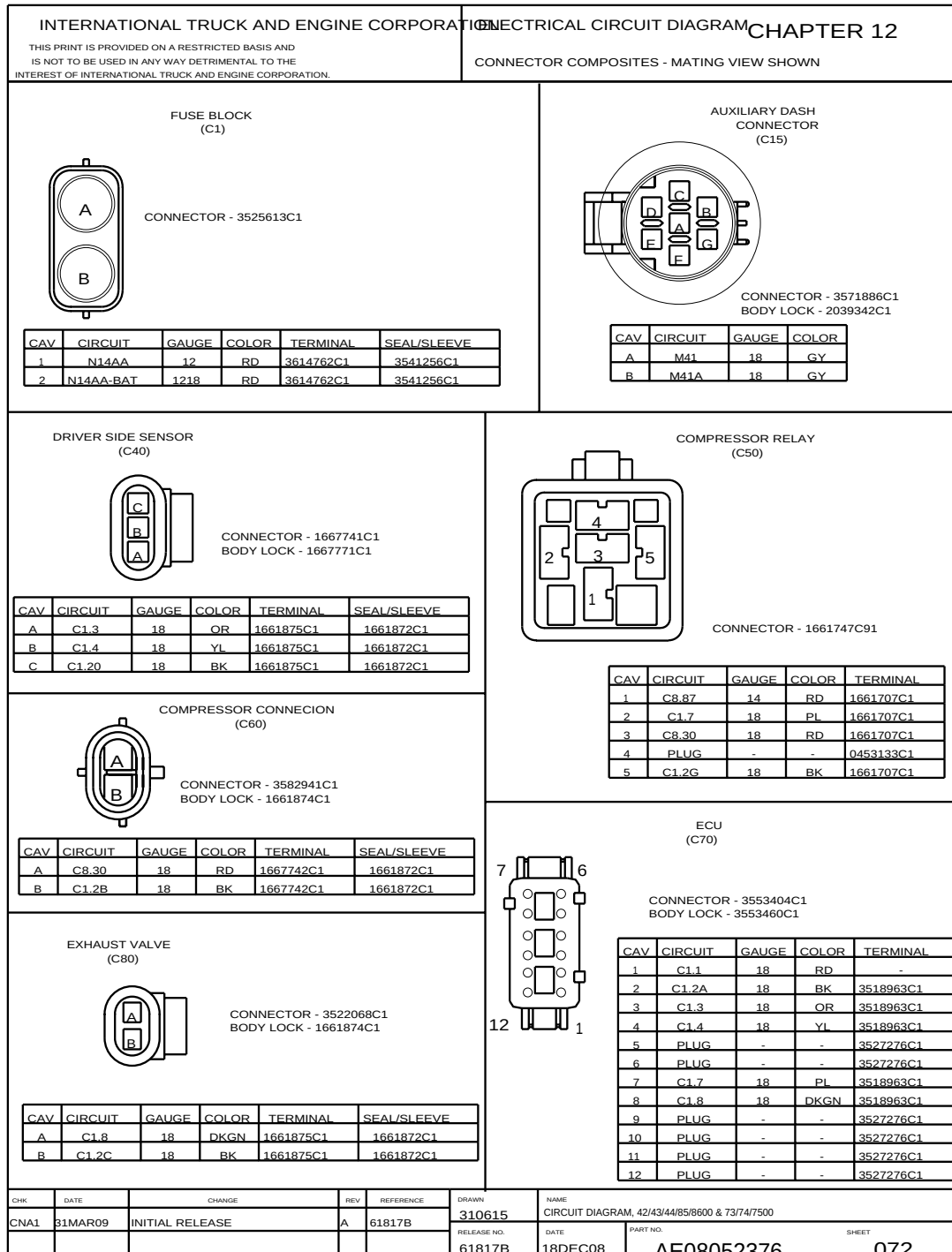


Figure 279 Connector Composites (C1), (C15), (C40), (C50), (C60), (C70), (C80)