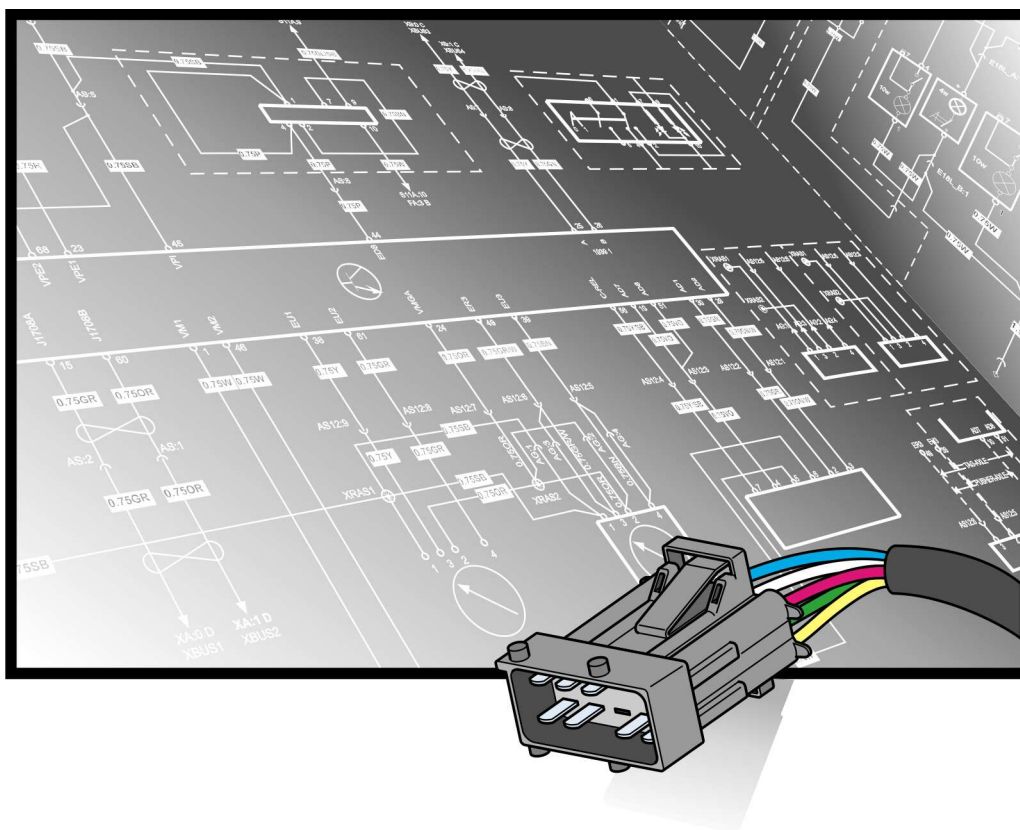


MIDLUM EURO 4

70180/07

70180/07 - English - 2/2017



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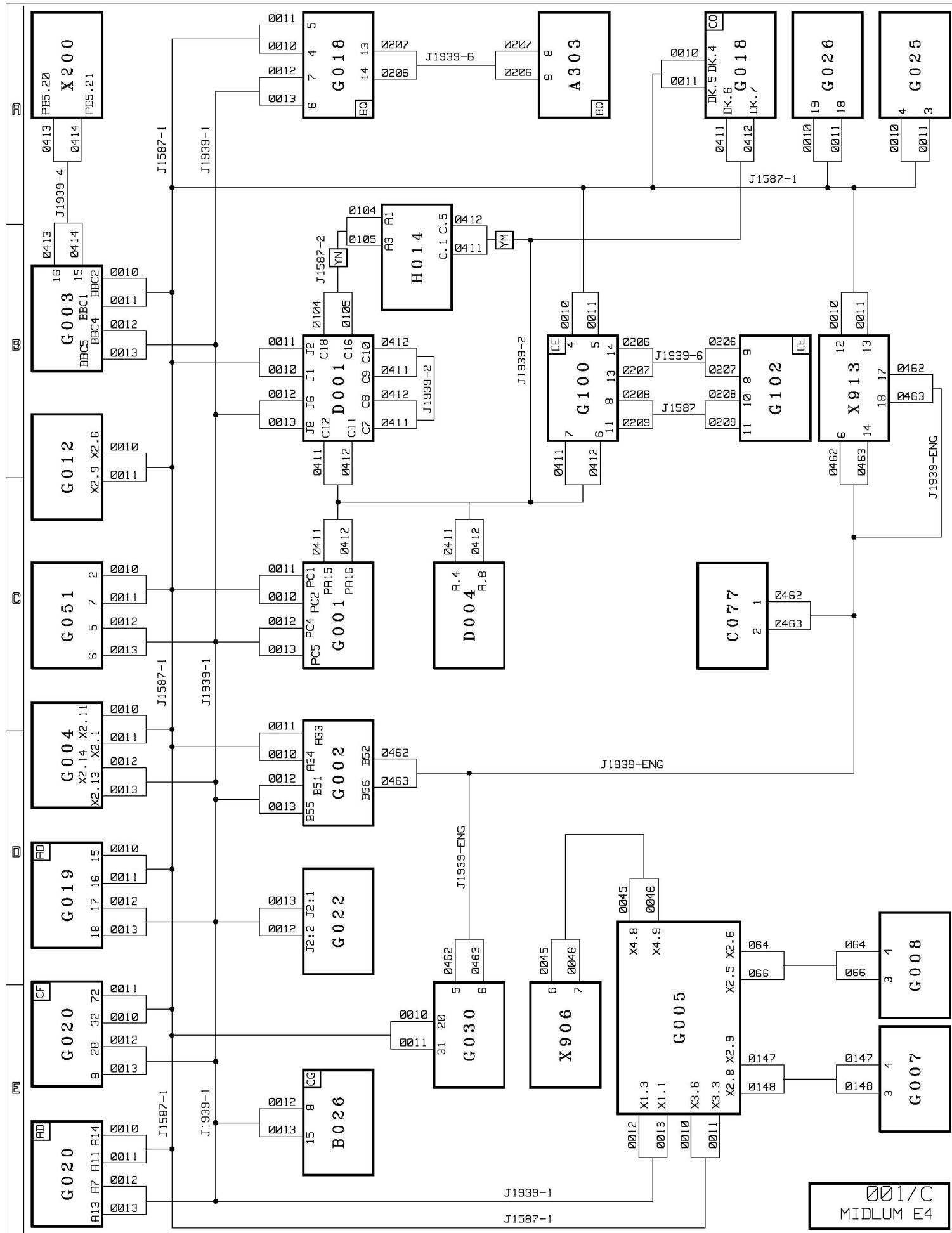
ELECTRICS - MIDLUM EURO 4 - => 29/02/2008

RANGE	FAMILY	VARIANT
RENAULT MIDLUM DXI	44EL PR 4X2	13104/22+20101
RENAULT MIDLUM DXI	44HB PR 4X2	13104/22
RENAULT MIDLUM DXI	44LA PR 4X2	13104/22
RENAULT MIDLUM DXI	44LB PR 4X2	13104/22
RENAULT MIDLUM DXI	44MA PR 4X2	13104/22
RENAULT MIDLUM DXI	44MB PR 4X2	13104/22
RENAULT MIDLUM DXI	44ML PR 4X2	13104/22
RENAULT MIDLUM DXI	44XL PR 4X4 STANDARD	13104/22+20101
RENAULT MIDLUM DXI	44XM PR 4X4	13104/22+20101

The information above may change over time. Only the online version is up-to-date.

COMMUNICATION BUS ARCHITECTURE

CAN bus architecture



CAN bus architecture

Key to devices

Code	Title of the function	Location
A303	On-board management pre-arrangement (ECU)	B2c
B026	Automatic transmission gear selector	B2b
C077	Nitrogen oxide concentration sensor	C4d
D001	Main information display	C2b
D004	Tachograph	C2b
G001	Vehicle management control unit	B2b
G002	Engine management ECU	B3b
G003	Body builder pre-equipment management control unit	B2b
G004	Air suspension control unit	B2b
G005	EBS management control unit	B2b
G007	Braking assistance modulator assembly (on front axle)	B3d
G008	Braking assistance modulator assembly on drive axle	B7d
G012	Lighting and signalling management control unit	B2c
G018	On-board management interface control unit	B2b
G019	Gear selector control unit	A2c
G020	Automatic transmission ECU	B2b
G022	Electric retarder control unit	A2b
G025	Engine immobiliser ECU	C2c
G026	Alarm ECU	A2a
G030	AdBlue supply management pump module	C4d
G051	Air production management ECU	C4d
G100	DATAMAX GATEWAY ECU	B2c
G102	Onboard management control unit	B2c
H014	Radio set	C2a
X200	Available power supplies connector	B2c
X906	ABS/EBS trailer socket	B4b
X913	Vehicle diagnostic socket	C4c
X914	Vehicle data extraction socket	C4c

AD : with automatic gearbox

BQ : with **FMS** equipment

CF : with **ALLISON** automatic gearbox

CG : with **ALLISON 3000V** automatic gearbox

CO : with **OPTIFLEET** equipment

DE : with **DATAMAX** equipment

YM : for vehicles manufactured after **2016/12/04**

YN : for vehicles manufactured before **2016/12/05**

WIRING DIAGRAMS

List of "equipment" codes

Key to devices

Code	Title of the function	Diagram page no.
A001	Electrical distribution box in cab	-
A002	Chassis-cab connection box	-
A004	Battery/batteries	A01/A20
A006	Electrically-controlled power supply master switch	A01
A007	Manually-controlled power supply master switch	A01
A009	Alternator	A01/A20
A011	Voltage converter (24V / 12V) for information technology pack	I03
A012	Voltage converter (24/12V - 10A) for audio communication system	I21
A013	Voltage converter (24/12V - 15A) for audio communication system	I20/I21
A014	Power fuse box unit (FM1 to FM4)	A01/A20
A020	Voltage converter (24V/12V) - Integral 12 and 24 Volt sockets	I03
A200	Available power supply (insulated wires cut)	J20/J21
A201	Available power supply (vehicle earth)	J20/J21
A204	Available power supply (after master switch)	J20/J21
A205	Available power supply (after ignition)	J20/J21
A212	Available power supply (engine speed alternator signal)	J21
A213	Available power supply (power take-off No. 1)	J20
A226	Available power supply (- CB)	I21
A227	Available power supply (+ CB)	I21
A229	Available power supply (body builder equipment control)	J20
A230	Available power supply (equipment in "road" position icon)	J20
A231	Available power supply (equipment in "working" position icon)	J20
A240	Available power supply (lighting)	J20
A246	Available power supply (power take-off No. 1 control)	J20
A247	Available power supply (alternator signal, engine running)	J20
A248	Available power supply (engine speed)	J20
A249	Available power supply (tachograph corrected speed signal)	J20
A250	Available power supply (power take-off No. 2 control)	J21
A251	Available power supply (power take-off No. 2 warning light)	J21
A252	Available power supply (power take-off No. 2 control solenoid)	J21
A253	Available power supply (reversing information)	J20
A254	Available power supply (parking brake information)	J20
A255	Available power supply (gearbox neutral information)	J20
A256	Available power supply (chassis-mounted engine speed control actuation request)	J20
A257	Available power supply (selection of engine speed No.1)	J20
A258	Available power supply (selection of engine speed No.2)	J20

A259	Available power supply (engine speed acceleration request)	J20
A260	Available power supply (engine speed deceleration request)	J20
A261	Available power supply (reverse gear deactivation prohibited)	J20
A270	Available power supply (automatic return to main engine speed)	J20
A280	Available power supply (low speed)	J20
A281	Available power supply (engine stop control)	J20
A282	Available power supply (engine start control)	J21
A283	Available power supply (engine starting information)	J21
A284	Available power supply (engine warning)	J21
A285	Available power supply (configurable frequency-related output)	J21
A286	Available power supply (PLC 2 min. output)	J21
A287	Available power supply (PLC 1 min. output)	J21
A288	Available power supply (PLC 1 min. input)	J21
A289	Available power supply (PLC 2 min. input)	J21
A290	Available power supply (CAN BUS J1939 high level)	J21
A291	Available power supply (CAN BUS J1939 low level)	J21
A294	Available power supply (rear left-hand marker light(s))	J21
A295	Available power supply (rear right-hand marker light(s))	J21
A297	Available power supply (night lighting)	J21
A303	On-board management pre-equipment (ECU)	B60
A311	Available power supply (PTO 1 engaged information)	J20
A312	Available power supply (equipment in dangerous position)	J20
A313	Available power supply (CAN bus deactivation)	J21
A314	Available power supply (engine speed set-point validation)	J21
A315	Available power supply (PTO 3 control solenoid)	J21
A317	Available power supply (power take-off No. 3 control)	J21
A318	Available power supply (power take-off No. 3 warning light)	J21
A319	Available power supply (suspension level control)	J20
A320	Available power supply (suspension level actuation control)	J20
A321	Available power supply (6 km/h speed limitation)	J20
A322	Available power supply (30 km/h speed limitation)	J20
A323	Available power supply (alarm stop)	J20
A324	Available power supply (rigid perimetric protection module)	J21
A325	Available power supply (night heater cut-off)	J20
B001	Air suspension command remote control	F01/F02/F03
B002	Air suspension 'up' position remote control	F01/F03
B003	Air suspension 'down' position remote control	F01/F03
B004	Air suspension memorised position remote control	F01/F03
B026	Automatic transmission gear selector	D01/D02
B103	Key switch unit	A01/A20

B105	Engine stop control	C02
B106	Hazard lights control	H01
B108	Rotating beacon(s) control	H01
B111	Horn control	H02
B113	Side/parking lights control	H02
B116	Door locking control	G01
B117	Sunroof opening/closing control (on dashboard)	I01
B118	Swivelling door mirrors and alarm siren adjustment control	I02
B119	Heated door mirrors and windscreen control	I02
B125	Radio set control	B20
B126	Driver's electric window motor control (driver's side)	I01
B127	Front passenger electric window motor control (front passenger side)	I01
B128	RH rear door window winder control	I01
B129	LH rear door window winder control	I01
B130	Front passenger electric window motor control (driver's side)	I01
B133	Independent heater timer control	I40/I41
B135	Cruise control and engine speed regulator actuating control	B02
B136	Cruise control and engine speed regulator adjustment control	B02
B137	Windscreen wash control	H02
B138	Windscreen wipe control	H02
B139	Windscreen wiper / windscreen wash / headlamps wash control	H02
B140	Dipped beam headlights control	H02
B141	Main beam headlights control	H02
B142	Headlamp beam level adjustment control	H01
B143	Steering column fingertip control cluster No. 1	H01/H02
B145	Fog driving lights control	H02
B146	Fog lights control	H02
B148	Work lights control	H02
B151	Reversing buzzer deactivation control	H03
B155	Hydraulic or electric retarder control	B01
B156	"ASR" cut-off control	E01
B159	Engine speed set-point control for difficult terrain	B01
B163	Alarm anti-panic control	G20
B164	Rear wheel differential lock control	E01
B167	Independent heating activation control switch	I40/I41
B168	Traction control enabling control	E01
B170	Cab emergency stop control	A21
B171	Chassis emergency stop control	A21
B172	Alarm siren sound level reduction control	G20
B175	Body builder pre-equipment control No. 1	J20
B176	Body builder pre-equipment control No. 2	J20

B177	Power take-off No. 1 engagement request control (in cab)	B01
B181	Direction indicator control	H01
B182	Auto/manual selection control	B01
B185	Power take-off No. 2 engagement request control (in cab)	J01
B188	Front wheel differential lock control	C60
B189	Selection control	C60
B190	Power take-off No. 3 engagement request control (in cab)	J01
B191	Transfer box differential lock control	E01
B200	Controls for cruise control	B02
B207	Emergency call control	B62
C001	Left-hand front wheel brake lining wear sensor	B20/E01
C002	Right-hand front wheel brake lining wear sensor	B20/E01
C003	Left-hand rear wheel brake lining wear sensor	B20/E01
C004	Right-hand rear wheel brake lining wear sensor	B20/E01
C007	Front left-hand wheel speed sensor	E01
C008	Front right-hand wheel speed sensor	E01
C009	Rear left-hand wheel speed sensor	E01
C010	Rear right-hand wheel speed sensor	E01
C013	Driver's side door open information position sensor	H02
C014	Front passenger side door open information position sensor	H02
C016	Rear left-hand passenger side door open information position sensor	H03
C017	Rear right-hand passenger side door open information position sensor	H03
C019	Boost air pressure and temperature sensor	C02
C020	Boost air temperature sensor	C02
C021	Boost air pressure sensor	C02
C022	Engine oil level sensor	C02
C023	Engine oil pressure sensor	C01
C024	Engine oil level and pressure sensor unit	C02
C025	3-level air conditioning pressure controller	I70
C027	Low level air conditioning pressure sensor	I70
C028	High level air conditioning pressure sensor	I70
C030	Rear drive axle inter-wheel differential lock engaged position sensor	B20
C033	Transfer box inter-axle differential lock position sensor	B20
C035	PTO No.1 engaged information position sensor	B02
C036	PTO No.2 engaged information position sensor	J01
C038	Drive axle suspension right-hand position sensor	F01/F02/F03
C039	Drive axle suspension left-hand position sensor	F02/F03
C046	External temperature sensor	B20
C048	Engine cooling system temperature sensor	C01
C051	Fuel level sensor	B20

C053	Stop lights switch contact	B02/E01
C055	Front drive axle differential lock position sensor	B20
C056	Speed sensor for tachograph	B40
C057	Neutral position sensor	B02
C058	Position sensor, reverse gear engaged	B02
C061	Front axle suspension position sensor	F02/F03
C062	Clutch position sensor	D01
C063	Automatic gearbox speed sensor	D02/D03
C065	Automatic gearbox oil level sensor	D02
C066	Retarder coolant temperature sensor	D02
C067	Engine speed sensor on engine flywheel	C02
C068	Engine speed sensor on camshaft	C02
C070	PTO No.3 engaged information position sensor	J01
C071	Alarm ultrasonic transmitter sensor	G20
C072	Alarm ultrasonic receiver sensor	G20
C075	Urea level and temperature sensors inside the tank	C30
C076	Exhaust gas temperature sensor	C30
C077	Nitrogen oxide concentration sensor	C30
C079	Trailer braking assistance system pressure sensor	E01
C084	Engine oil temperature sensor	C02
C091	Retarder air pressure sensor	D02
C096	Range change selector pressure sensor	C02
C109	Water in fuel sensor	C01
C111	Throttle pedal position sensor	B01
C112	Accelerator pedal "rest" position sensor no.2	B01
C113	Throttle pedal "rest" position sensor No.1	B01
C114	Throttle pedal sensor unit	B01
C117	Front air spring air pressure sensor	F02/F03
C118	Drive axle suspension left-hand pressure sensor	F02/F03
C119	Drive axle suspension right-hand pressure sensor	F01/F02/F03
C130	Clutch pedal position sensor	B02
C132	Engine boost pressure sensor	C01
C134	Brake pedal sensor unit	E01
C135	Brake pedal position feedback sensor	E01
C136	"Low speed" position sensor on gearbox	C60
C148	Fuel high pressure sensor	C02
C149	Driver's seatbelt not fastened sensor	B20
C178	Brake pedal sensor and clutch pedal sensor unit	B02
C186	Secondary shaft speed sensor	D01
C212	Gearbox oil temperature sensor	D02/D03
C213	Retarder oil temperature sensor	D02

C215	Turbine speed sensor	D02/D03
C216	Engine speed sensor	D02/D03
C217	Diagnostic pressure sensor No. 1	D02/D03
C218	Diagnostic pressure sensor No. 2	D03
C219	Diagnostic pressure sensor No. 3	D03
C220	Diagnostic pressure sensor No. 4	D03
C223	Gear selector position sensor	D03
C224	Gear selection movement sensor	D01
C225	Gearshift control movement sensor	D01
C226	Automated manual transmission hydraulic circuit level sensor	D01
C263	Internal urea temperature sensor	C30
C264	Internal urea pressure sensor	C30
D001	Main information display	B20
D004	Tachograph	B40
D006	Vehicle hour-meter	B40
E002	LH rear door overhead lamp	H03
E003	RH rear door overhead lamp	H03
E004	LH rear door stepwell lighting	H03
E005	RH rear door stepwell lighting	H03
E008	Driver's side single overhead light	H03
E010	Front passenger side single overhead light	H03
E012	RH upper overhead lighting (door)	H03
E033	LH upper overhead lighting (door)	H03
E037	Gear selector lighting	D03
E100	RH front direction indicator lamp(s)	H01
E101	LH front direction indicator lamp(s)	H01
E102	Driver's side stepwell lighting	H03
E103	Front passenger side stepwell lighting	H03
E104	Right-hand direction change indicator lamp on roof	H01
E105	Left-hand direction change indicator lamp on roof	H01
E109	RH rear direction indicator lamp(s)	H01
E110	LH rear direction indicator lamp(s)	H01
E114	Rotating beacon No.1	H01
E115	Rotating beacon No.2	H01
E116	RH rear fog light(s)	H01
E117	LH rear fog light(s)	H01
E119	Left-hand brake light(s)	H01
E120	Right-hand brake light(s)	H01
E122	Right-hand marker light No.1	H01
E123	Right-hand marker light No.2	H01

E124	Front left side/parking light(s)	H01
E125	Front right side/parking light(s)	H01
E126	RH side marker light(s)	H02
E127	LH side marker light(s)	H02
E128	Left-hand marker light No.3	H01
E129	Left-hand marker light No.4	H01
E130	Registration plate light(s)	H01
E131	Right-hand marker light No.3	H01
E132	Right-hand marker light No.4	H01
E133	Left-hand marker light No.1	H01
E134	Left-hand marker light No.2	H01
E135	Left-hand tail lights unit	H01
E136	Right-hand tail lights unit	H01
E137	Rear right side/parking light(s)	H01
E138	Rear left side/parking light(s)	H01
E141	Left-hand reversing light(s)	H01
E142	Right-hand reversing light(s)	H01
E144	Roof LH side/parking light	H03
E145	Roof RH side/parking light	H03
E500	Right-hand dipped beam headlamp	H01
E501	Left-hand dipped beam headlamp	H01
E502	Right-hand main beam headlamp	H01
E503	Left-hand main beam headlamp	H01
E504	Right-hand headlamp unit	H01
E505	Left-hand headlamp unit	H01
E506	Fog driving light, LH	H01
E507	Fog driving light, RH	H01
E508	RH long range driving lamp	H01
E509	LH long range driving lamp	H01
E510	Work light	H02
G001	Vehicle management control unit	B01/B02
G002	Engine management ECU	C01/C02
G003	Body builder pre-equipment management control unit	J01
G004	Air suspension control unit	F01/F02/F03
G005	EBS management control unit	E01
G006	Vehicle power supply management ECU (ADR)	A21
G007	Braking assistance modulator assembly (on front axle)	E01
G008	Braking assistance modulator assembly on drive axle	E01
G012	Lighting and signalling management control unit	H01/H02/H03
G018	Onboard management interface control unit	B60/B62

G019	Gear selector control unit	D01
G020	Automatic gearbox ECU	D01/D02/D03
G022	Electric retarder control unit	D30
G025	Engine immobiliser ECU	G01
G026	Alarm ECU	G20
G028	Doors central locking ECU	G01
G029	Automatic gearbox sensors/actuators unit	D02/D03
G030	Urea supply management pump module	C30
G051	Air production management ECU	F40
G100	DATAMAX GATEWAY ECU	B61
G102	Onboard management control unit	B61/B62
H001	Engine immobiliser antenna	G01
H002	Radio set antenna	I20/I21
H005	GPS antenna	B62
H011	Front left-hand loudspeaker	I20/I21
H012	Front right-hand loudspeaker	I20/I21
H014	Radio set	I20/I21
H016	Compact disc player	I21
H019	Microphone	I20
J001	Cigarette lighter	I03
J002	RH heated seat assembly	I03
J003	LH heated seat assembly	I03
K002	Air/air independent heater	I40/I41
K003	Air conditioning ECU	I70
L004	External audible warning	H03
L006	Audible warning - alarm siren	G20
L008	Electric horn	H02
M002	Starter	A01/A20
M020	Windscreen wipers drive motor	H02
M021	Windscreen wash pump motor	H02
M022	Headlamp washer pump motor	H02
M023	LH headlamp beam level adjustment motor	H01
M024	RH headlamp beam level adjustment motor	H01
M027	Windscreen washer motor / headlights washer motor unit	H02
M056	Driver's door window lift motor	I01
M057	Front passenger door window lift motor	I01
M058	RH rear door window lift motor	I01
M059	LH rear door window lift motor	I01
M060	Electric sunroof motor	I01
M080	RH door mirror horizontal swivelling motor	I02
M081	RH door mirror vertical swivelling motor	I02

M082	LH door mirror horizontal swivelling motor	I02
M083	LH door mirror vertical swivelling motor	I02
M100	Winch drive motor	A01
M104	Gearbox electric pump	D01
M200	Air conditioning compressor electric clutch	I70
M203	Independent heater fuel pump motor	I40/I41
N001	Fuel heater resistor No.2	C01
N002	Fuel heater resistor	C01
N003	Fuel heater resistor No.3	C01
N004	Air preheating resistor	C01
N008	LH heated door mirror resistor	I02
N009	RH heated door mirror resistor	I02
N010	Heated windscreen resistor	I02
N015	Urea heating resistor (in tank to pump module circuit)	C30
N016	Urea heating resistor (in pump module to tank circuit)	C30
N017	Urea heating resistor (in pump module to metering solenoid valve circuit)	C30
N018	Urea heating resistor (in the metering solenoid valve to pump module circuit)	C30
N019	Urea heating resistor (inside the filter on the pump)	C30
S001	After ignition power supply relay No.1	A40
S002	After ignition power supply relay No.2	A41
S003	After ignition power supply relay No.3	A41
S004	Accessories power supply relay No.1	A01/A20/A42
S005	Accessories power supply relay No.2	A42
S020	Starter relay	A01/A20/A41/B02
S021	Alternator circuit earthing relay (ADR)	A20/A21/A40
S022	Alternator controlled power supply relay (engine running)	A01/A20/A40
S100	Stop lights power supply relay	A40/B01/H01/J40
S101	Fog lights power supply relay	A42/ H02
S102	Headlamp main beam power supply relay	A42/ H02
S103	Fog driving lights power supply relay	A42/B20/H01/H02
S104	Reversing lights power supply relay	A41/B01/H01/H03/J20/J40
S105	RH and LH side/parking and marker lights power supply relay	A44
S106	Switches night lighting power supply relay	A45/H02
S107	RH and LH side/parking and marker lights power supply relay (trailer and body builder)	A44/H02
S108	Rotating beacon(s) power supply relay	H01
S200	Automatic gearbox management ECU power supply relay	A44/D02/D03
S201	VECU/EECU power supply relay	A41/B01
S202	Air suspension ECU power supply relay	A43/F01/F02/F03
S300	Cab tilt authorisation and safety relay	A40/B01

S400	Windscreen wiper motor time-delay relay	A41/H02
S401	Headlamp washer pump motor power supply relay	H02
S402	Electric retarder relay box	D30
S403	Electrical retarder	D30
S500	Heated and swivelling door mirror power supply relay	A41/B01/B02/I02
S501	Air preheating relay	C01
S502	Windscreen heating control relay	I02
S900	Available power supply relays (body builder equipment)	J20
S904	Comfort lighting power supply relay	H03
S915	Rear door striker unlocking power supply relay	G01
S916	Rear door striker locking power supply relay	G01
V002	Rear wheel differential lock solenoid valve	E01
V003	Front LH wheel ABS solenoid valve	E01
V004	Front RH wheel ABS solenoid valve	E01
V010	PTO No. 1 engagement solenoid valve	B01
V018	PTO No. 2 engagement solenoid valve	J01
V021	Engine brake solenoid valve No.1	C01
V022	Engine brake solenoid valve No.2	C01
V023	Engine brake solenoid valve	C01
V024	Front inter-wheel differential lock control solenoid valve	C60
V025	"Low speed" selection control solenoid valve	C60
V026	Transfer box differential lock control solenoid valve	E01
V030	Drive axle suspension control solenoid valve assembly	F01/F02/F03
V031	Drive axle rear suspension main solenoid valve	F01/F02/F03
V032	Drive axle rear suspension (RH side) solenoid valve	F01/F02/F03
V033	Drive axle rear suspension (LH side) solenoid valve	F02/F03
V038	Front suspension solenoid valve	F02/F03
V040	PTO 3 engagement solenoid valve	J01
V050	Auxiliary braking solenoid valve	E01
V051	Trailer braking inlet/exhaust solenoid valve	E01
V052	Range change solenoid valve	C01
V053	Splitter relay control solenoid valve	C01
V054	Splitter and range change relay control unit	C01
V055	Engine coolant circuit by-pass solenoid valve	C30
V056	Urea supply metering solenoid valve	C30
V060	High-pressure pump solenoid valve	C02
V101	No. 1 cylinder injector solenoid valve	C02
V102	No. 2 cylinder injector solenoid valve	C02
V103	No. 3 cylinder injector solenoid valve	C02
V104	No. 4 cylinder injector solenoid valve	C02
V105	No. 5 cylinder injector solenoid valve	C02

V106	No. 6 cylinder injector solenoid valve	C02
V107	Air horn	H02
V114	Transfer box high speed control solenoid valve	C60
V115	Torque converter clutch solenoid valve	D02/D03
V116	Main module solenoid valve	D02/D03
V117	Pressure regulation solenoid valve No.1	D02/D03
V118	Pressure regulation solenoid valve No.2	D02/D03
V119	Pressure regulation solenoid valve No. 3	D02
V120	Pressure regulation solenoid valve No. 4	D02
V121	Pressure regulation solenoid valve No. 5	D02
V123	Speed change solenoid valve No.1	D02/D03
V124	Speed change solenoid valve No.2	D02/D03
V125	Speed change solenoid valve No.3	D03
V141	Urea cooling solenoid valve	C30
W100	Alternator circuit draw resistor	A01/A20/A40
W500	Diode(s)	A40/A42/A43/A44/B02/G01/ G20/H02/H03/J20
W502	Diode on after-ignition information circuit for vehicle management unit	A40/B02
W503	Diode on information relay power supply circuit (engine running)	A01/A20/A40/B20
W504	Diode on alternator earthing relay power supply circuit	A40
W505	Diode on alternator earthing relay power supply circuit	A40
W506	Diode for door central locking	A01/A40/G01/G20
W507	Vehicle alarm signalling diode	G20
X001	Electrical connection terminal	A01/A20
X200	Available power supplies connector	J01/J20/J21
X203	CAN bus grouping connector	K21
X207	Auxiliary audio connector	I20
X208	USB audio connector	I20
X900	15-pin trailer socket	J40
X902	24 volt power supply socket	I03
X906	ABS/EBS trailer socket	J40
X907	Ground power receptacle	A01/A20
X908	12 volt power supply socket	I03/I20
X909	Supplementary power supply socket 24 volts	I03
X913	Vehicle diagnostic socket	K01/K20/K23
X915	Automatic gearbox diagnostic socket	D01/D02/D03
Z005	Automatic gearbox assembly	D02/D03
Z008	Left-hand swivelling heated door mirror	I02
Z009	Right-hand swivelling heated door mirror	I02
Z010	Front passenger door locking striker unit	G01
Z011	Driver's door locking striker unit	G01

Z012	RH rear door locking striker assembly	G01
Z013	LH rear door locking striker assembly	G01
Z014	Trailer brake control EBS modulator unit	E01
Z021	Urea pump module assembly	C30

Summary of diagrams

Information:

Il est possible d'améliorer la lecture des schémas en téléchargeant une application particulière permettant de lire le format *.svg. Cette application vous permettra entre autre d'avoir accès à des informations directement visibles depuis la planche de schéma. En cas de problème veuillez prendre contact avec INFOLINE.

Information:

It is possible to improve reading of the diagrams by downloading a special application to help in reading of the *.svg format. This application will, among other things, enable you to access directly visible information from the diagram plate. In the event of problems, please contact INFOLINE.

Informazione :

È possibile migliorare la lettura degli schemi, scaricando una particolare applicazione che permette di leggere il formato *.svg. La suddetta applicazione consentirà anche di accedere ad informazioni direttamente visibili dalla tavola dello schema. In caso di problemi, prendere contatto con INFOLINE.

Información:

Es posible mejorar la lectura de los esquemas bajando una aplicación especial para poder leer el formato *.svg. Esta aplicación le permite acceder a informaciones visibles directamente desde la lámina de esquema. En caso de problemas, póngase en contacto con INFOLINE.

Információ:

A kapcsolási rajzok olvashatósága növelhető, ha letölti a *.svg formátum olvasására alkalmas egyedi applikációt. Ezzel az applikációval többek közt lehetősége nyílik a kapcsolási rajzok lapjain közvetlenül megtalálható információk elérésére. Ha probléma merülne fel hívja az INFOLINE vonalat.

Tiedoksi:

Kaavioiden lukua voidaan parantaa etälataamalla erityinen sovellus, jolla voidaan lukea *.svg tiedostoja. Tämä sovellus sallii muun muassa pääsyn suoraan kaaviokuvasta nähtävissä oleviin tietoihin. Ongelmien ilmaantuessa, ota yhteys INFOLINE palveluun.

Informace:

Čitelnost schémat je možné zlepšit tak, že si stáhnete specifickou aplikaci, která Vám dovolí číst formát *.svg. Kromě toho Vám tato aplikace dovolí přístup k informacím, které budou přímo viditelné na výkresu schématu. V případě problému se spojte s INFOLINE.

Information:

Det er muligt at opnå en bedre visning af diagrammerne, hvis man downloader et bestemt program, der kan læse formatet *.svg. Med dette program kan man blandt andet få adgang til informationer, der kan ses direkte fra diagrammet. Kontakt venligst INFOLINE i tilfælde af problemer.

Information:

Das Ablesen der Schaltpläne lässt sich durch Herunterladen einer speziellen Anwendung verbessern, die das Format *.svg lesen kann. Mit dieser Anwendung können Sie unter anderem auf Informationen zugreifen, die direkt von der Schaltplantafel aus sichtbar sind. Wenden Sie sich bei Problemen an INFOLINE.

Informatie:

Het is mogelijk het lezen van de schema's te verbeteren door een speciaal programma te laden waardoor het *.svg kan worden gelezen. Dit programma maakt het u onder andere mogelijk toegang te verkrijgen tot informatie die direct afleesbaar is vanuit de tekening van het schema. Bij een probleem moet u contact opnemen met de INFOLINE.

Informacja:

Możliwa jest poprawa jakości odczytu schematów poprzez pobranie specjalnej aplikacji odczytującej format *.svg. Aplikacja ta pozwoli między innymi na uzyskanie dostępu do informacji widzianych bezpośrednio na planszy schematu. W razie problemów prosimy o kontakt z INFOLINE.

Informação:

É possível melhorar a leitura dos esquemas telecarregando uma aplicação particular que permite ler o formato *.svg. Esta aplicação permite-lhe também ter acesso a informações directamente visíveis no plano do esquema. Em caso de problema queira entrar em contacto com a INFOLINE.

Информация:

Существует возможность улучшить читаемость схем путём загрузки специального приложения, позволяющего читать файлы формата *.svg. Это приложение позволит вам, кроме прочего, получить доступ к информации, видимой непосредственно на планшете схемы. В случае возникновения проблемы, свяжитесь со службой INFOLINE.

Bilgi:

Şemaları svg* formatı okumayı sağlayan özel bir uygulama yükleyerek daha kolay okumak mümkündür. Bu uygulama size diğer yararları ile birlikte şemalar tablosundan doğrudan görülebilen bilgilere erişim olanağı sağlayacaktır. Sorunla karşılaşmanız durumunda, INFOLINE ile temas kurun.

T3099116

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4x2 rear electronic air suspension (<18 t)

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4x2 full electronic air suspension (<18 t)

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4x2 full electronic air suspension (≥18 t)

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J1587-1 CAN bus transfer zone

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J1939-1 CAN bus transfer zone

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J1939-2 CAN bus transfer zone

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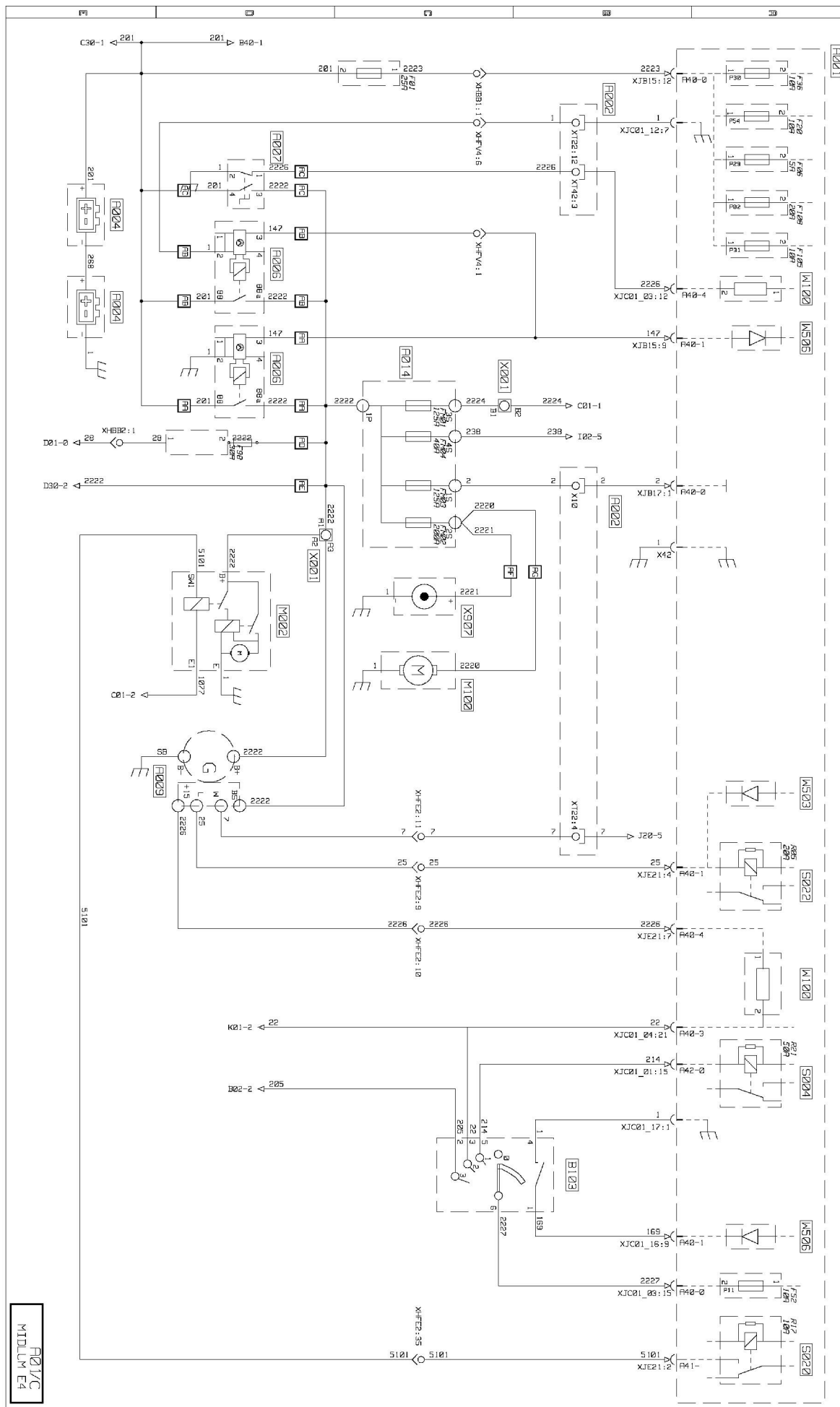
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J1939-ENG CAN bus transfer zone

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Energy production without ADR equipment



Energy production without ADR equipment

Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
A004	Battery/batteries	C4d
A006	Electrically-controlled power supply master switch	C4d
A007	Manually-controlled power supply master switch	C4d
A009	Alternator	B3c
A014	Power fuse box unit (FM1 to FM4)	C4d
B103	Key switch unit	C2c
M002	Starter	A3c
M100	Winch drive motor	B1d
S004	Accessories power supply relay No.1	B2c
S020	Starter relay	B2c
S022	Alternator controlled power supply relay (engine running)	B2c
W100	Alternator circuit draw resistor	B2c
W503	Diode on information relay power supply circuit (engine running)	B2c
W506	Diode for door central locking	B2c
X001	Electrical connection terminal	B4d
X907	Ground power receptacle	C5d

- AA** : with electric master switch
- AB** : with master switch for street-sweeper vehicle
- AC** : with mechanical master switch
- AD** : with **OPTITRONIC** automated manual transmission
- AE** : with electric retarder
- AF** : with available power supply (high power output)
- AG** : with electric winch

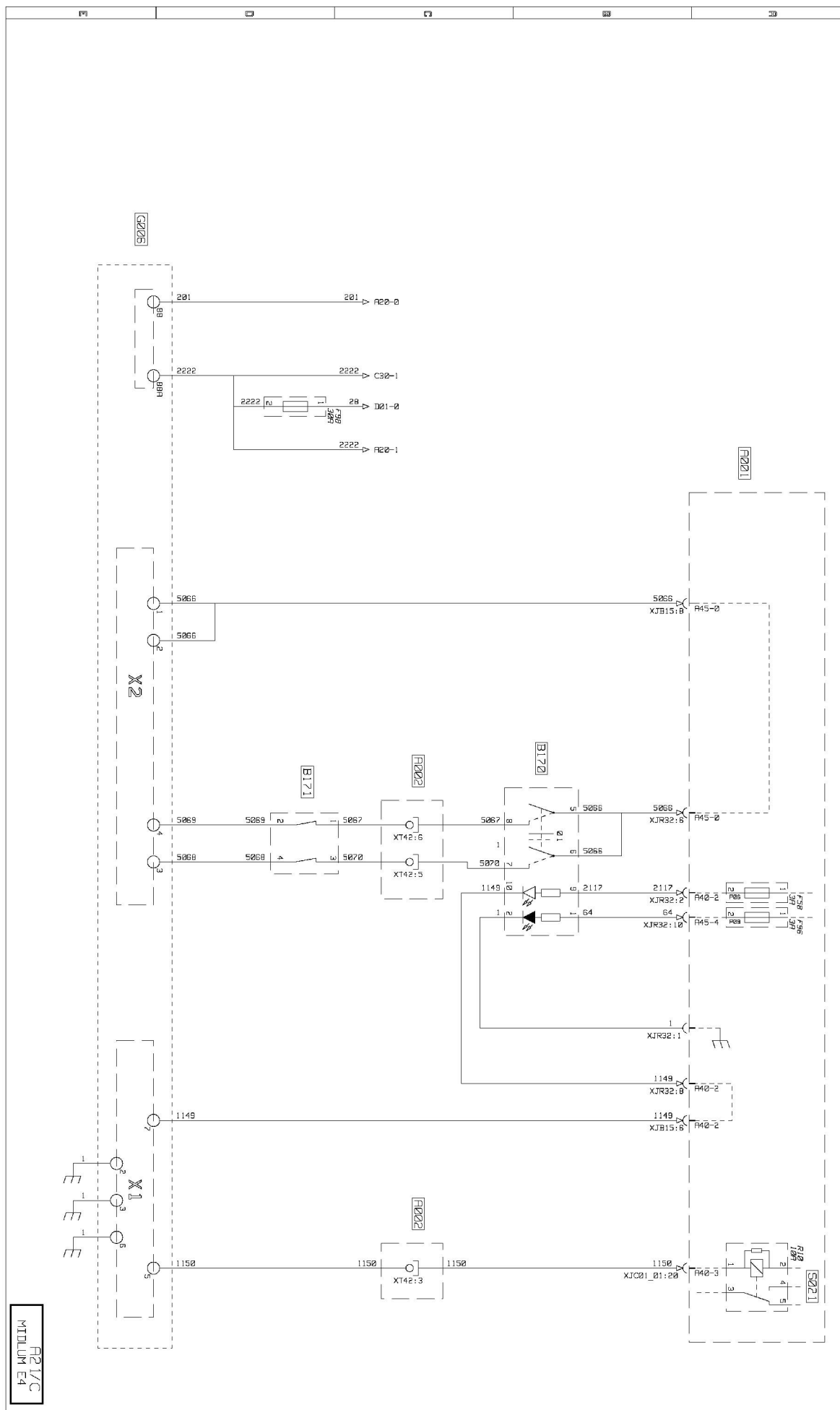


Energy production with ADR equipment

Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
A004	Battery/batteries	C4d
A009	Alternator	B3c
A014	Power fuse box unit (FM1 to FM4)	C4d
B103	Key switch unit	C2c
M002	Starter	A3c
S004	Accessories power supply relay No.1	B2c
S020	Starter relay	B2c
S021	Alternator circuit earthing relay (ADR)	B2c
S022	Alternator controlled power supply relay (engine running)	B2c
W100	Alternator circuit draw resistor	B2c
W503	Diode on information relay power supply circuit (engine running)	B2c
X001	Electrical connection terminal	B4d
X907	Ground power receptacle	C5d

ADR control ECU

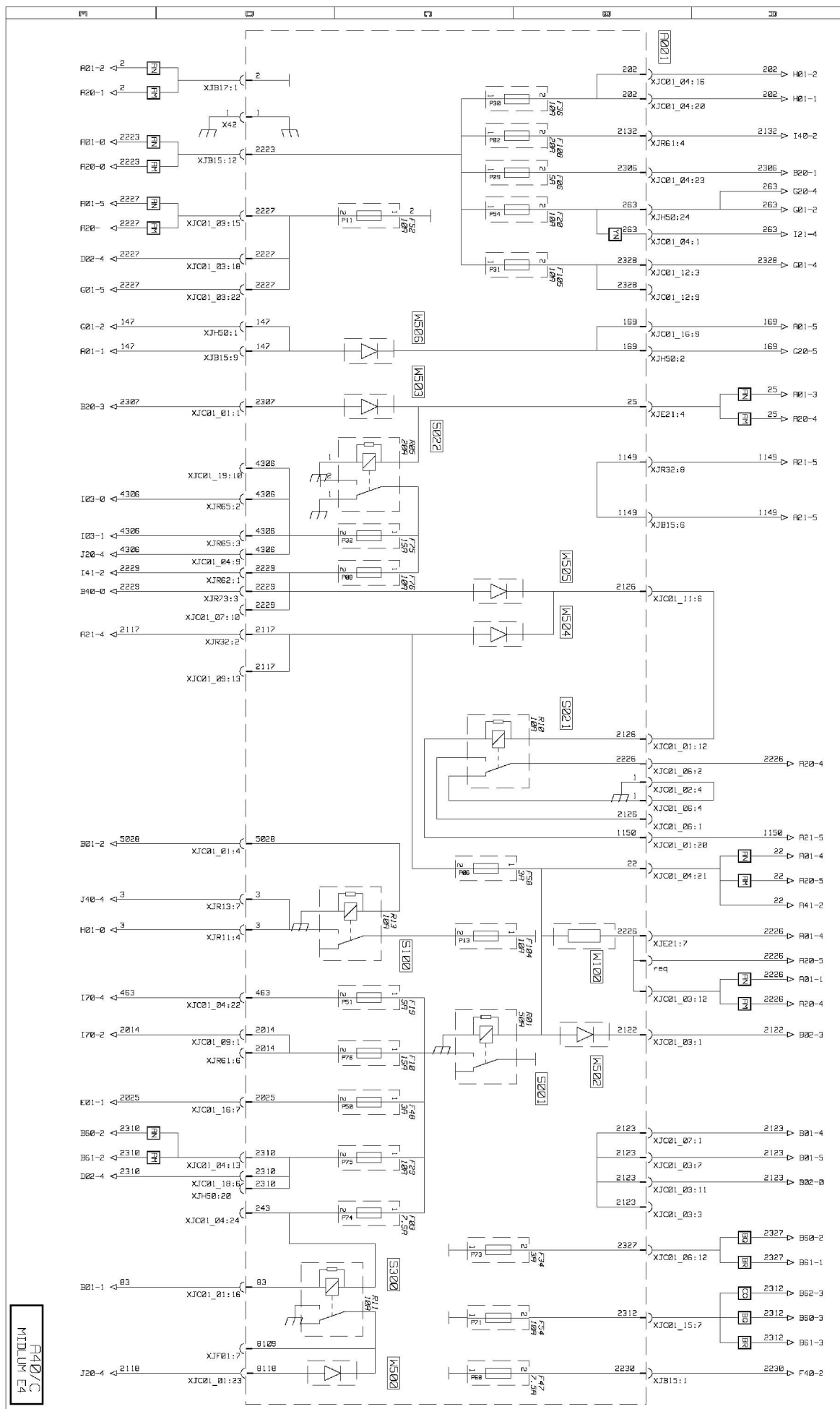


ADR control ECU

Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
B170	Cab emergency stop control	C2d
B171	Chassis emergency stop control	A4d
G006	Vehicle power supply management ECU (ADR)	C4d
S021	Alternator circuit earthing relay (ADR)	B2c

Electrical distribution (1/6)



Electrical distribution (1/6)

Key to devices

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
S001	After ignition power supply relay No.1	B2c
S021	Alternator circuit earthing relay (ADR)	B2c
S022	Alternator controlled power supply relay (engine running)	B2c
S100	Brake lights power supply relay	B2c
S300	Cab tilt authorisation and safety relay	B2c
W100	Alternator circuit draw resistor	B2c
W500	Diode(s)	B2c
W502	Diode on after-ignition information circuit for vehicle management unit	B2c
W503	Diode on information relay power supply circuit (engine running)	B2c
W504	Diode on alternator earthing relay power supply circuit	B2c
W505	Diode on alternator earthing relay power supply circuit	B2c
W506	Diode for door central locking	B2c

AM : with **ADR** equipment

AN : without **ADR** equipment

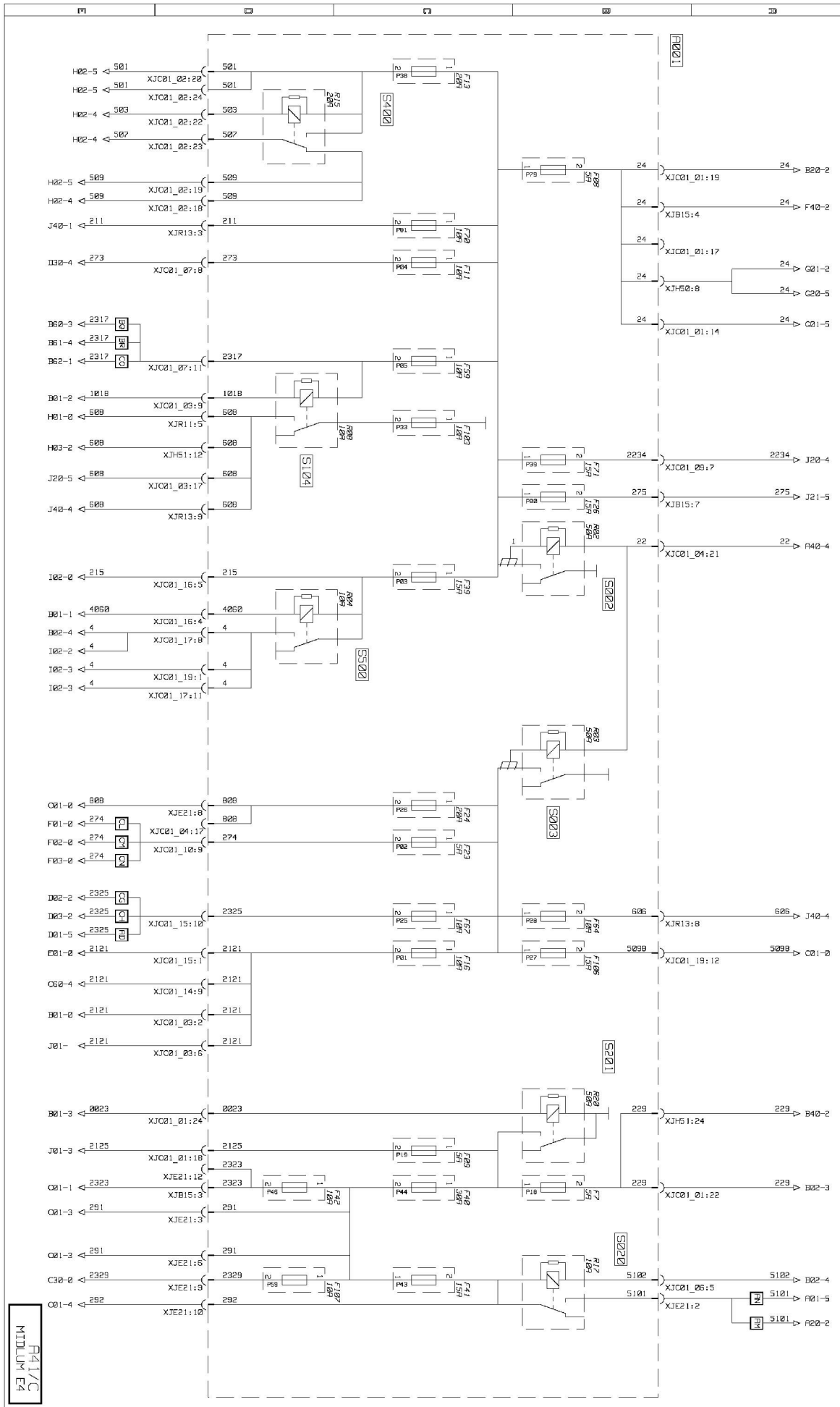
BQ : with **FMS** equipment

BR : with **INFOMAX** equipment from week **37** of **2008**

CO : with **OPTIFLEET** equipment

YN : for vehicles manufactured before **2016/12/05**

Electrical distribution (2/6)



Electrical distribution (2/6)

Key to devices

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
S002	After ignition power supply relay No.2	B2c
S003	After ignition power supply relay No.3	B2c
S020	Starter relay	B2c
S104	Reversing lights power supply relay	B2c
S201	VECU/EECU power supply relay	B2c
S400	Windscreen wiper motor time-delay relay	B2c
S500	Heated and swivelling door mirror power supply relay	B2c

AM : with **ADR** equipment

AN : without **ADR** equipment

CL : with rear electronic air suspension, **1** sensor (vehicle weight less than **18 t**)

CM : with full electronic air suspension (vehicle weight less than **18 t**)

CN : with rear electronic air suspension and full air suspension (vehicle weight less than **18 t**)

AD : with **OPTITRONIC** automated manual transmission

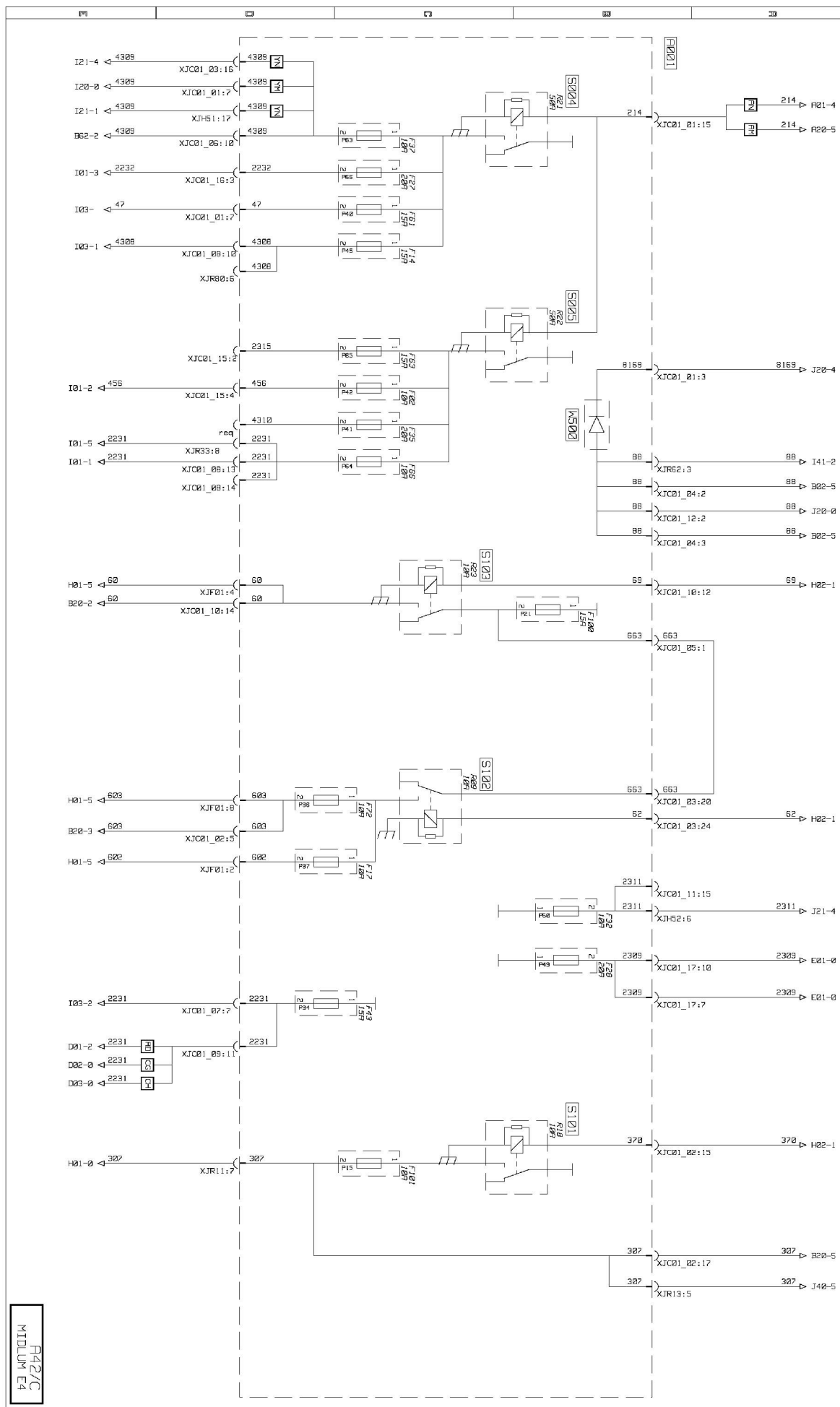
CG : with **ALLISON 3000V** automatic gearbox

CH : with **ALLISON S2000** automatic gearbox

BQ : with **FMS** equipment

BR : with **INFOMAX** equipment from week **37** of **2008**

CO : with **OPTIFLEET** equipment



Electrical distribution (3/6)

Key to devices

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
S004	Accessories power supply relay No.1	B2c
S005	Accessories power supply relay No.2	B2c
S101	Fog lights power supply relay	B2c
S102	Headlamp main beam power supply relay	B2c
S103	Fog lights power supply relay	B2c
W500	Diode(s)	B2c

AM : with **ADR** equipment

AN : without **ADR** equipment

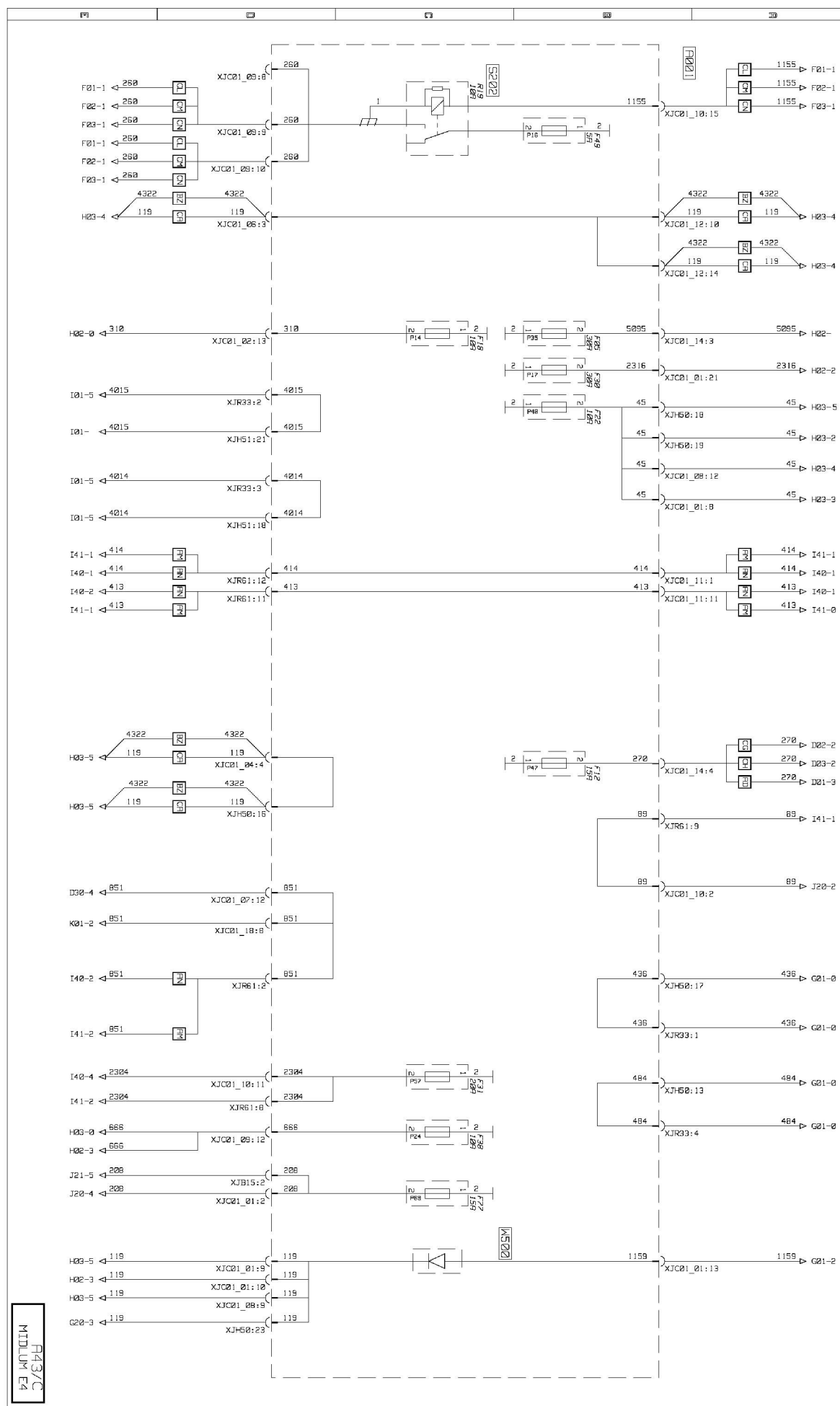
AD : with **OPTITRONIC** automated manual transmission

CG : with **ALLISON 3000V** automatic gearbox

CH : with **ALLISON S2000** automatic gearbox

YM : for vehicles manufactured after **2016/12/04**

YN : for vehicles manufactured before **2016/12/05**



Electrical distribution (4/6)

Key to devices

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
S202	Air suspension ECU power supply relay	B2c
W500	Diode(s)	B2c

AM : with **ADR** equipment

AN : without **ADR** equipment

AD : with **OPTITRONIC** automated manual transmission

CL : with rear electronic air suspension, **1** sensor (vehicle weight less than **18 t**)

CM : with full electronic air suspension (vehicle weight less than **18 t**)

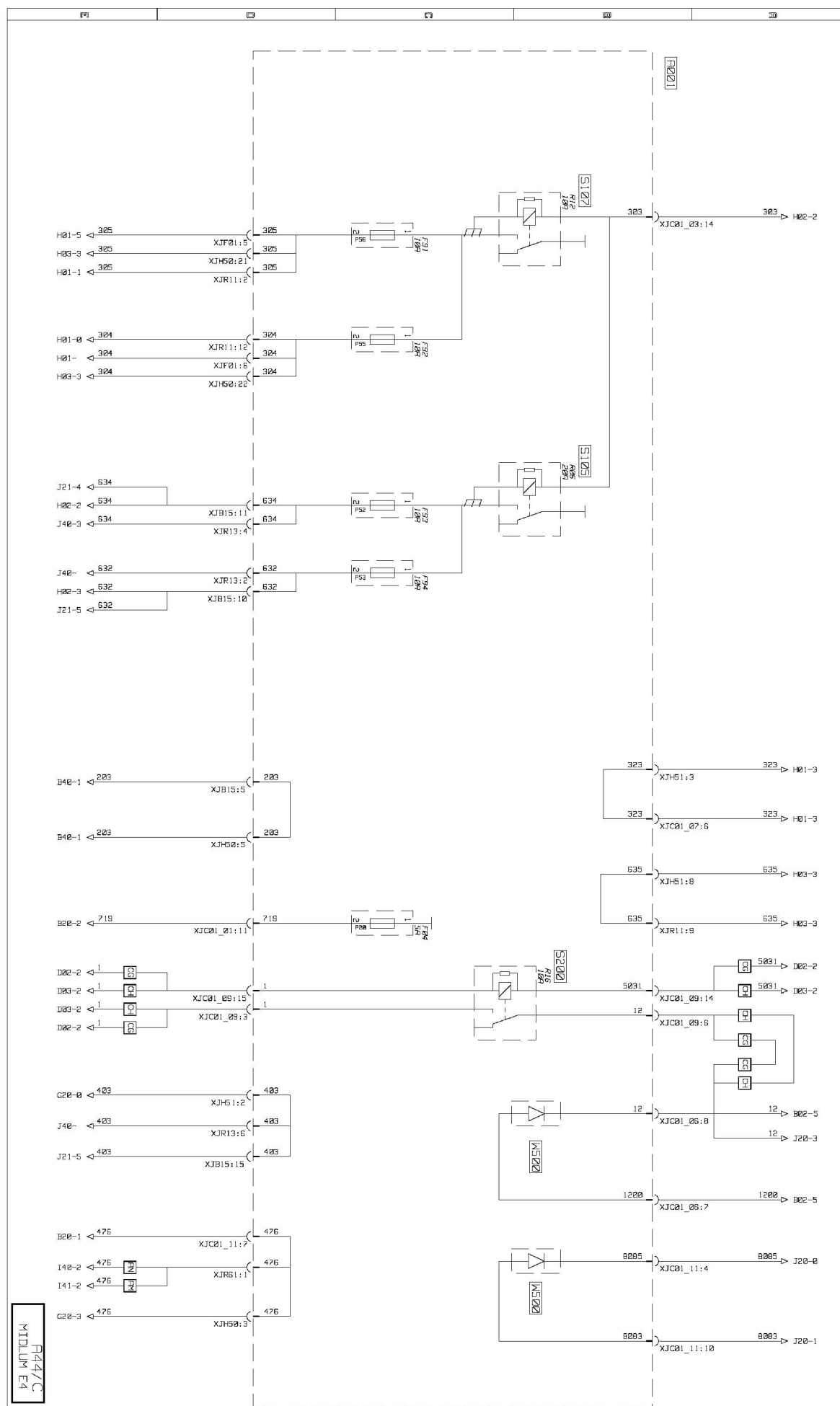
CN : with rear electronic air suspension and full air suspension (vehicle weight less than **18 t**)

BZ : with alarm

CA : without alarm

CG : with **ALLISON 3000V** automatic gearbox

CH : with **ALLISON S2000** automatic gearbox



Electrical distribution (5/6)

Key to devices

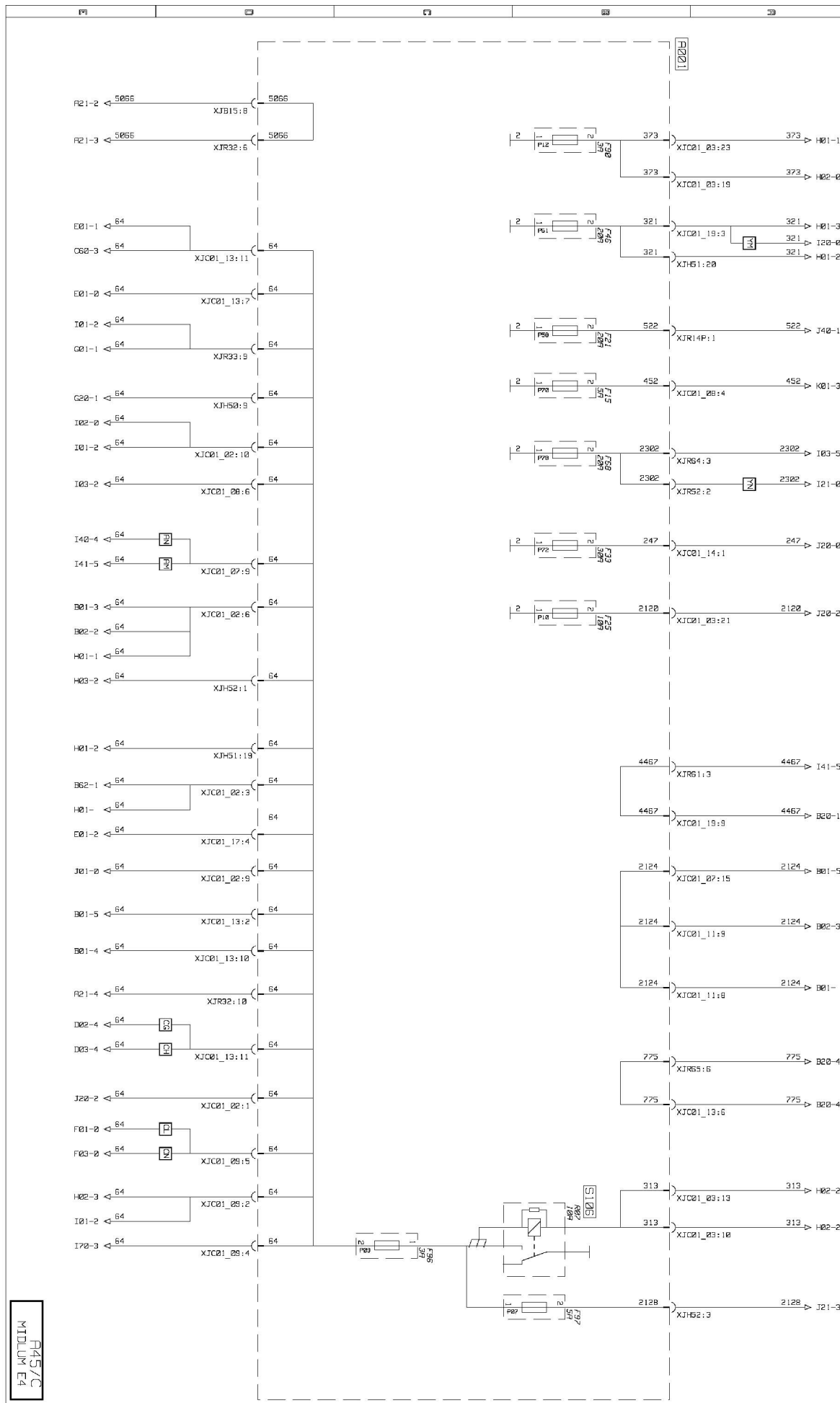
Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
S105	RH and LH side/parking and marker lights power supply relay	B2c
S107	RH and LH side/parking and marker lights power supply relay (trailer and body builder)	B2c
S200	Automatic gearbox management ECU power supply relay	B2c
W500	Diode(s)	B2c

AM : with **ADR** equipment

AN : without **ADR** equipment

CG : with **ALLISON 3000V** automatic gearbox

CH : with **ALLISON S2000** automatic gearbox



Electrical distribution (6/6)

Key to devices

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
S106	Switches night lighting power supply relay	B2c

AM : with **ADR** equipment

AN : without **ADR** equipment

CG : with **ALLISON 3000V** automatic gearbox

CH : with **ALLISON S2000** automatic gearbox

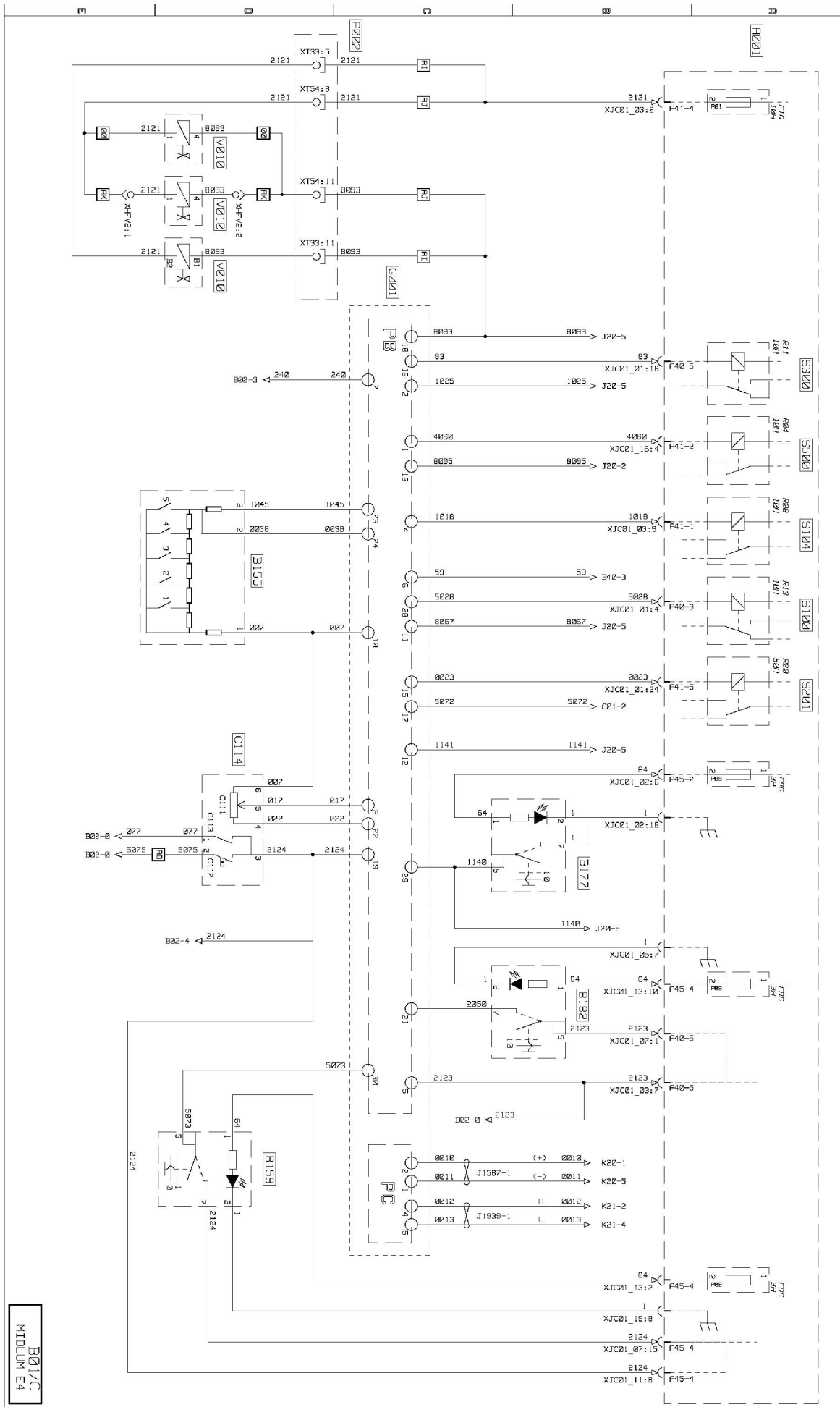
CL : with rear electronic air suspension, **1** sensor (vehicle weight less than **18 t**)

CN : with rear electronic air suspension and full air suspension (vehicle weight less than **18 t**)

YM : for vehicles manufactured after **2016/12/04**

YN : for vehicles manufactured before **2016/12/05**

Vehicle electronic management (1/2)



Vehicle electronic management (1/2)

Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
B155	Hydraulic or electric retarder control	C2c
B159	Engine speed set-point control for difficult terrain	B2b
B177	Power take-off no. 1 engagement request control (in cab)	B2c
B182	Auto/manual selection control	C2c
C111	Throttle pedal position sensor	C1c
C112	Accelerator pedal "rest" position sensor no.2	C1c
C113	Throttle pedal "rest" position sensor No. 1	C1c
C114	Throttle pedal sensor unit	C1c
G001	Vehicle management control unit	B2c
S100	Brake lights power supply relay	B2c
S104	Reversing lights power supply relay	B2c
S201	VECU/EECU power supply relay	B2c
S300	Cab tilt authorisation and safety relay	B2c
S500	Heated and swivelling door mirror power supply relay	B2c
V010	PTO No. 1 engagement solenoid valve	B4d

AD : with **OPTITRONIC** automated manual transmission

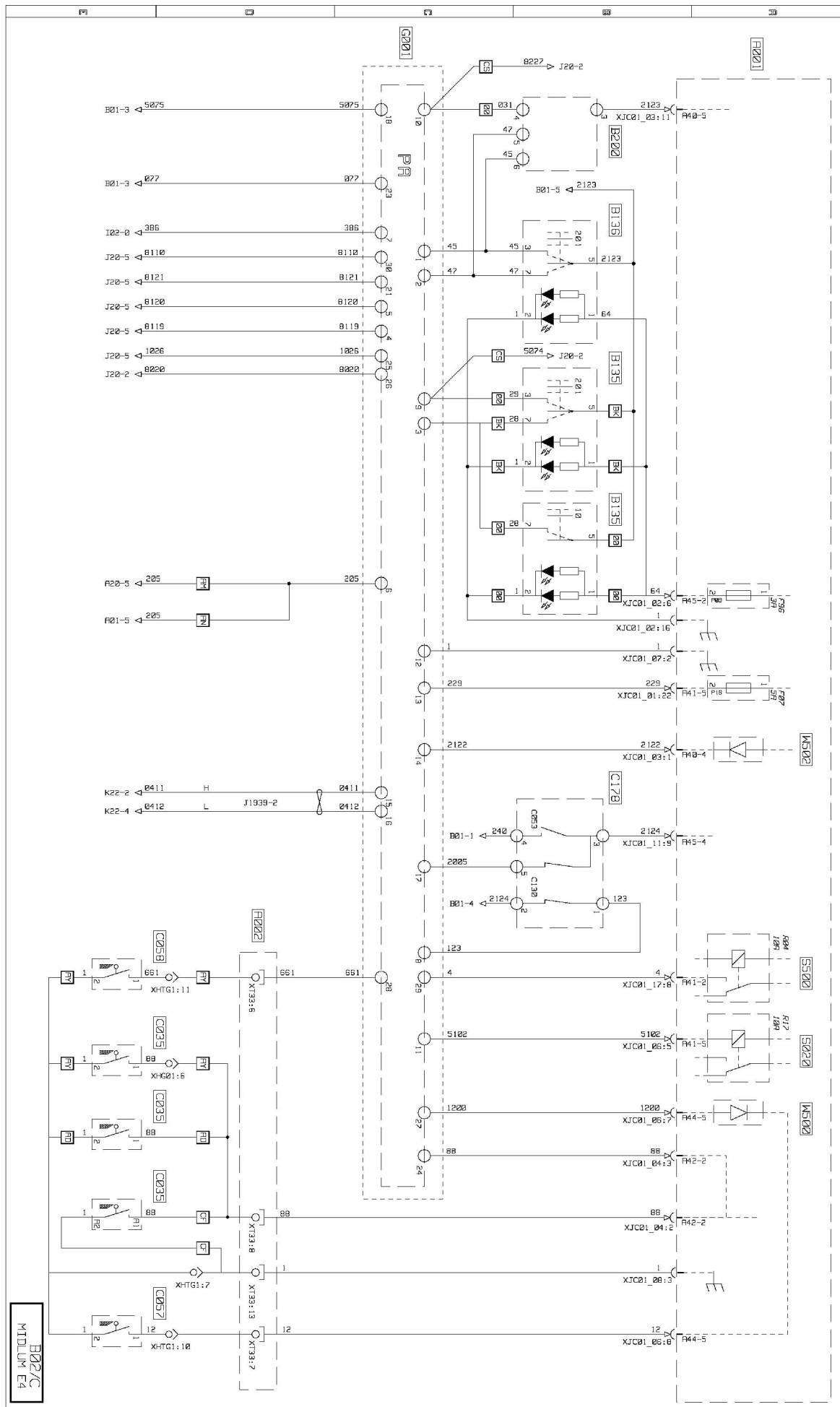
AI : with **ALLISON** gearbox-mounted power take-off

AJ : with power take-off mounted on **OPTITRONIC** automated manual transmission or on manual gearbox

AK : with street-sweeper equipment

00 : other uses

Vehicle electronic management (2/2)

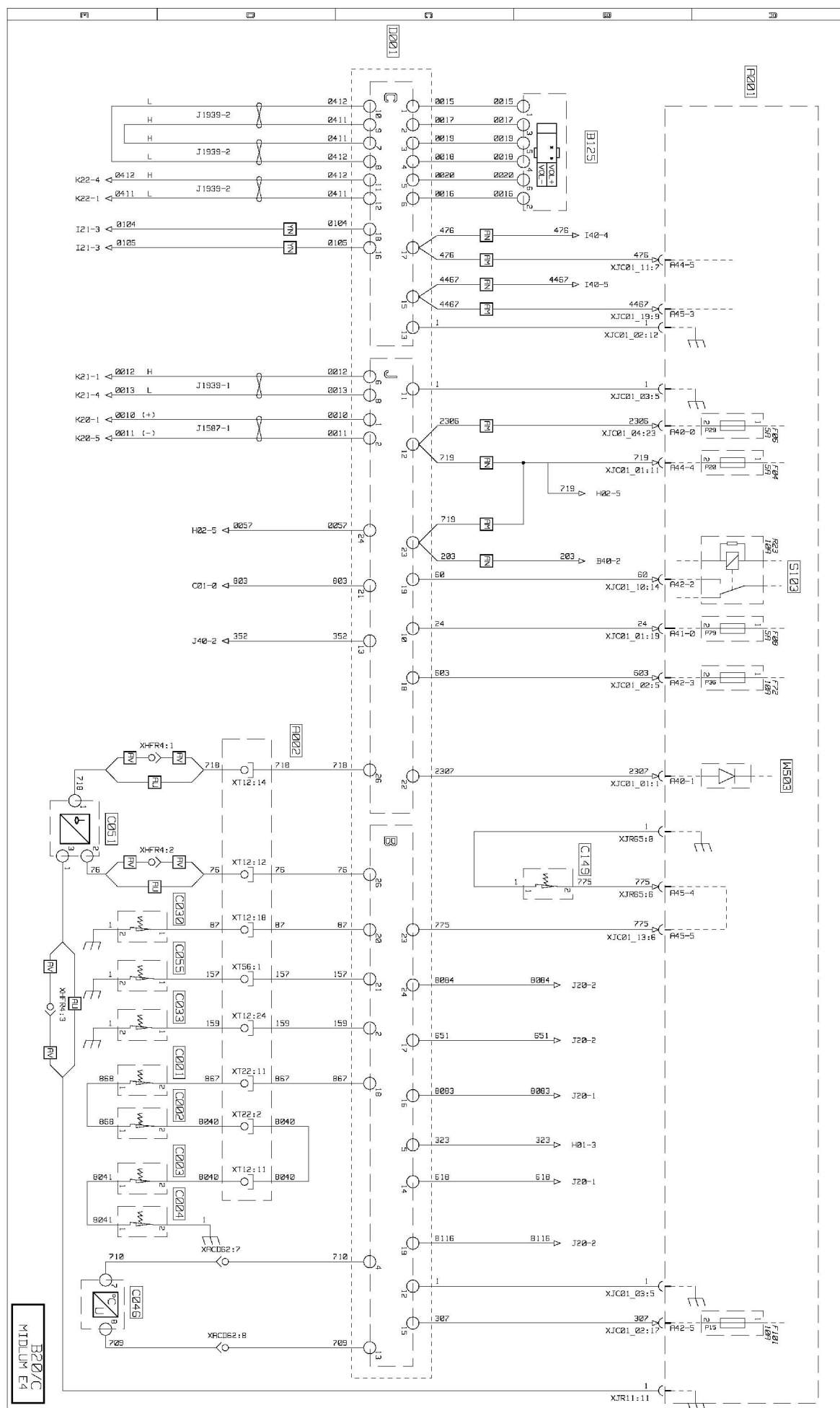


Vehicle electronic management (2/2)

Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
B135	Cruise control and engine speed regulator actuating control	C2c
B136	Cruise control and engine speed regulator adjustment control	C2c
B200	Controls for cruise control	C2c
C035	PTO No.1 engaged information position sensor	B4c
C053	Stop lights switch contact	C2c
C057	Neutral position sensor	B4c
C058	Position sensor, reverse gear engaged	B4c
C130	Clutch pedal position sensor	C2c
C178	Brake pedal sensor and clutch pedal sensor unit	C2c
G001	Vehicle management control unit	B2b
S020	Starter relay	B2c
S500	Heated and swivelling door mirror power supply relay	B2c
W500	Diode(s)	B2c
W502	Diode on after-ignition information circuit for vehicle management unit	B2c

- AD** : with **OPTITRONIC** automatic gearbox
- AM** : with **ADR** equipment
- AN** : without **ADR** equipment
- AY** : with manual gearbox
- BK** : with engine speed regulation and **Cruise Control** at steering wheel
- CF** : with **ALLISON** automatic gearbox
- CS** : with refuse collector vehicle equipment **RCV**
- 00** : other uses



Main information display

Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
B125	Radio set control	C2b
C001	Front left-hand wheel brake lining wear sensor	C3d
C002	Front right-hand wheel brake lining wear sensor	A3d
C003	Left-hand rear wheel brake lining wear sensor	C8d
C004	Right-hand rear wheel brake lining wear sensor	A7d
C030	Rear drive axle inter-wheel differential lock engaged position sensor	B7d
C033	Transfer box inter-axle differential lock position sensor	B4d
C046	External temperature sensor	C2c
C051	Fuel level sensor	A5d
C055	Front drive axle differential lock position sensor	B3d
C149	Driver's seatbelt not fastened sensor	C3c
D001	Main information display	C2b
S103	Fog lights power supply relay	B2c
W503	Diode on information relay power supply circuit (engine running)	B2c

AM : with **ADR** equipment

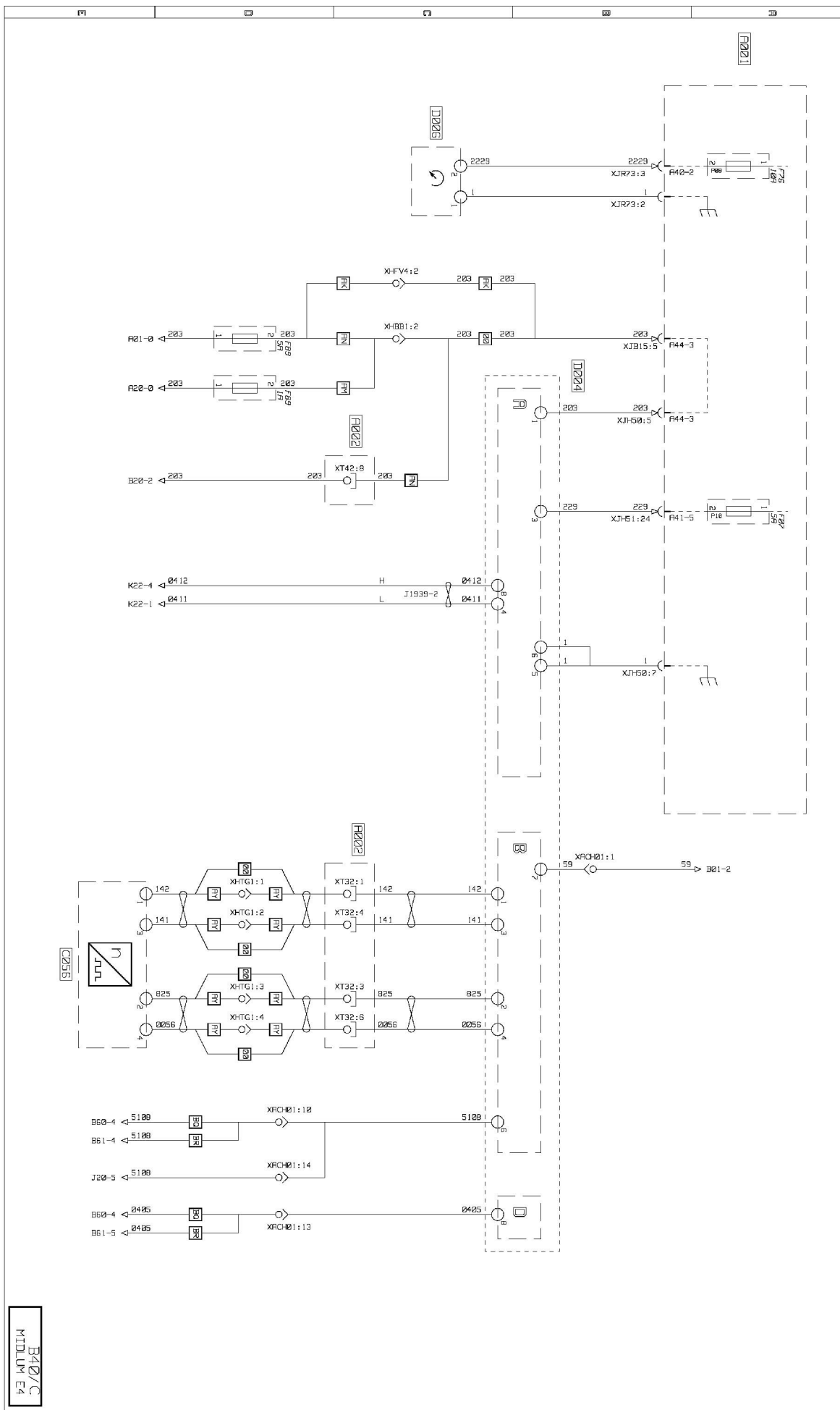
AN : without **ADR** equipment

AU : left-hand drive

AV : right-hand drive

YN : for vehicles manufactured before **2016/12/05**

Tachograph



Tachograph

Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
C056	Speed sensor for tachograph	B3c
D004	Tachograph	C2a
D006	Vehicle hour-meter	C3c

AK : with street-sweeper equipment

AM : with **ADR** equipment

AN : without **ADR** equipment

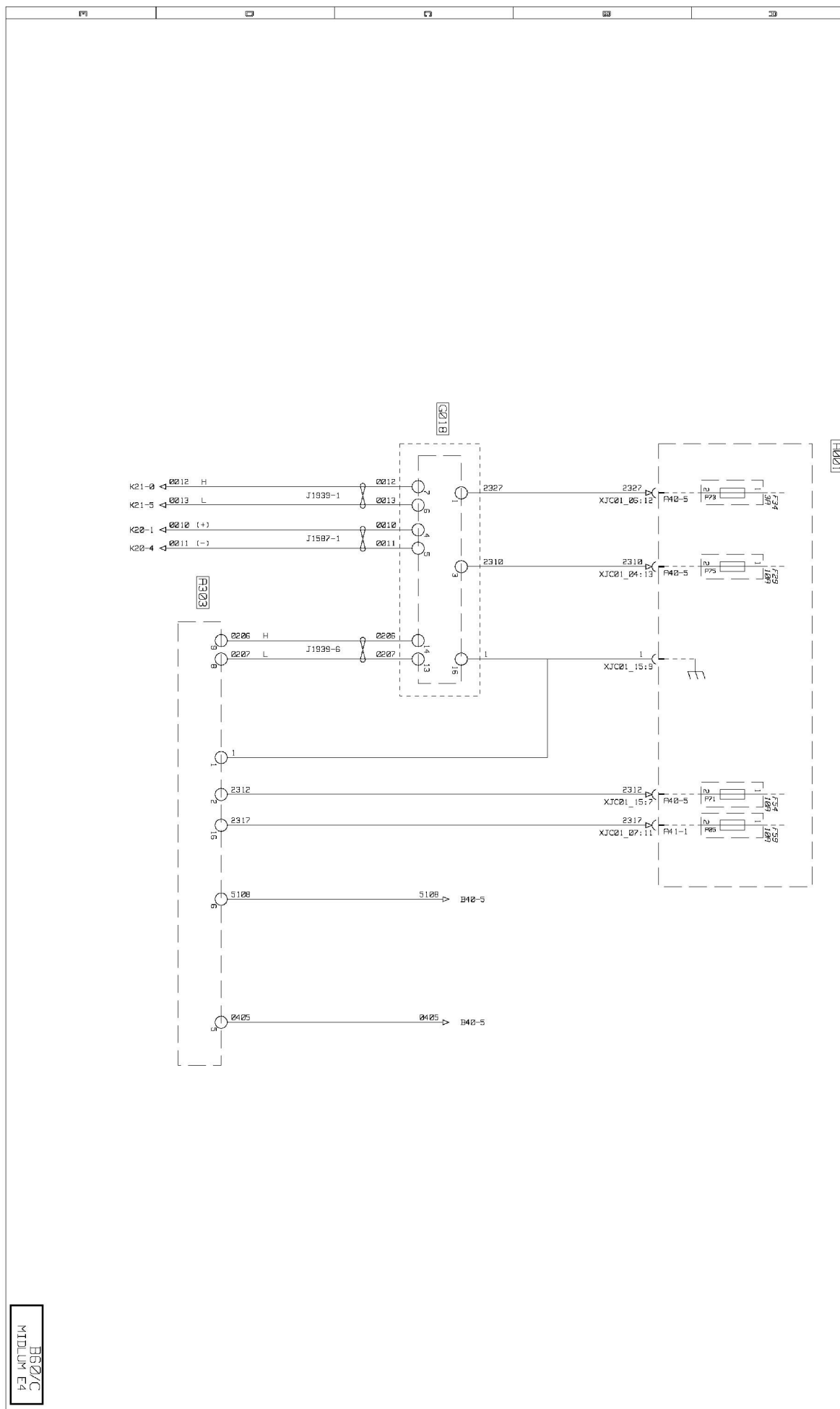
AY : with manual gearbox

BQ : with **FMS** equipment

BR : with **INFOMAX** equipment from week **37** of **2008**

00 : other cases of use

FMS on-board management

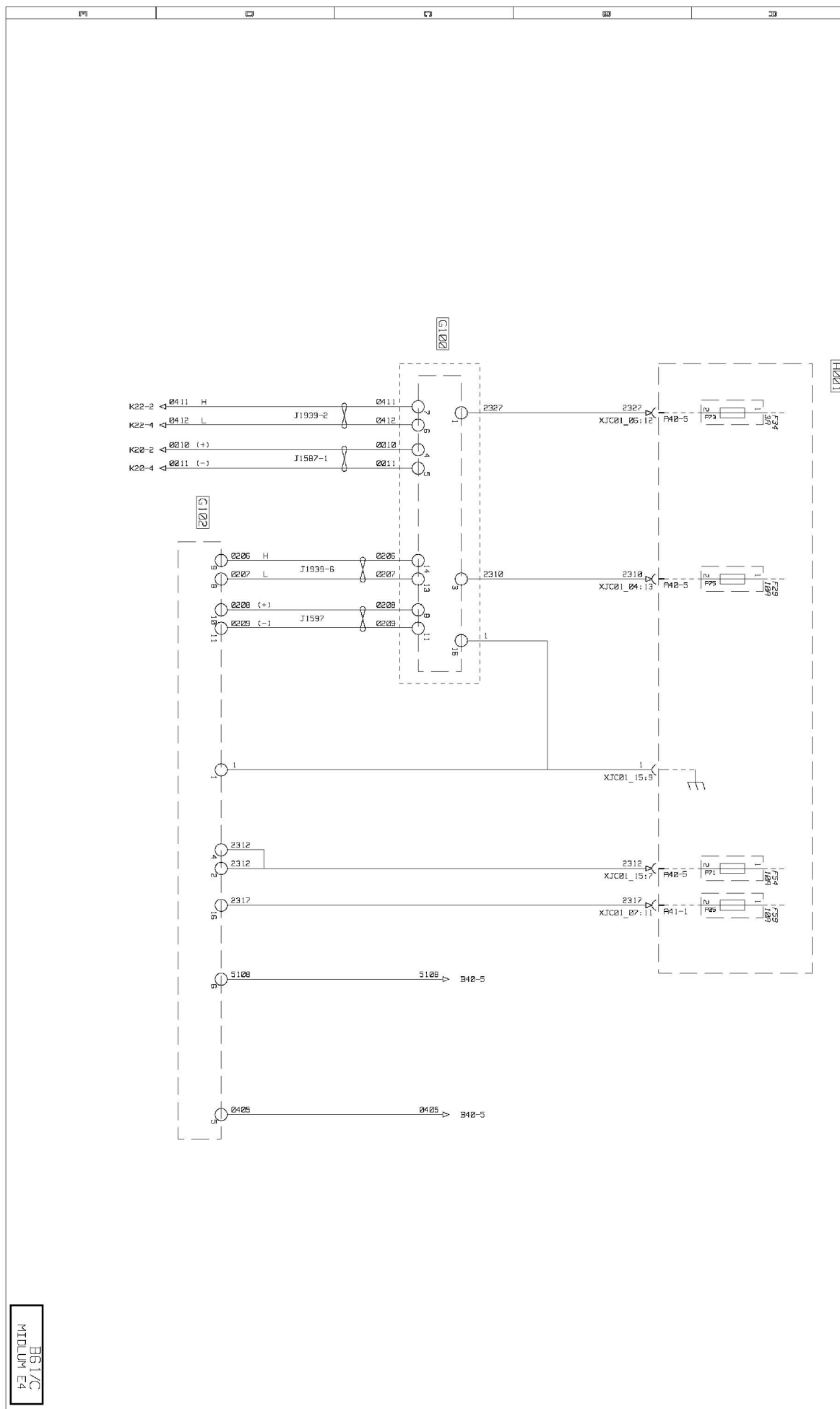


FMS on-board management

Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A303	On-board management pre-equipment (ECU)	B2b
G018	On-board management interface control unit	B2c

FMS + RAL on-board management

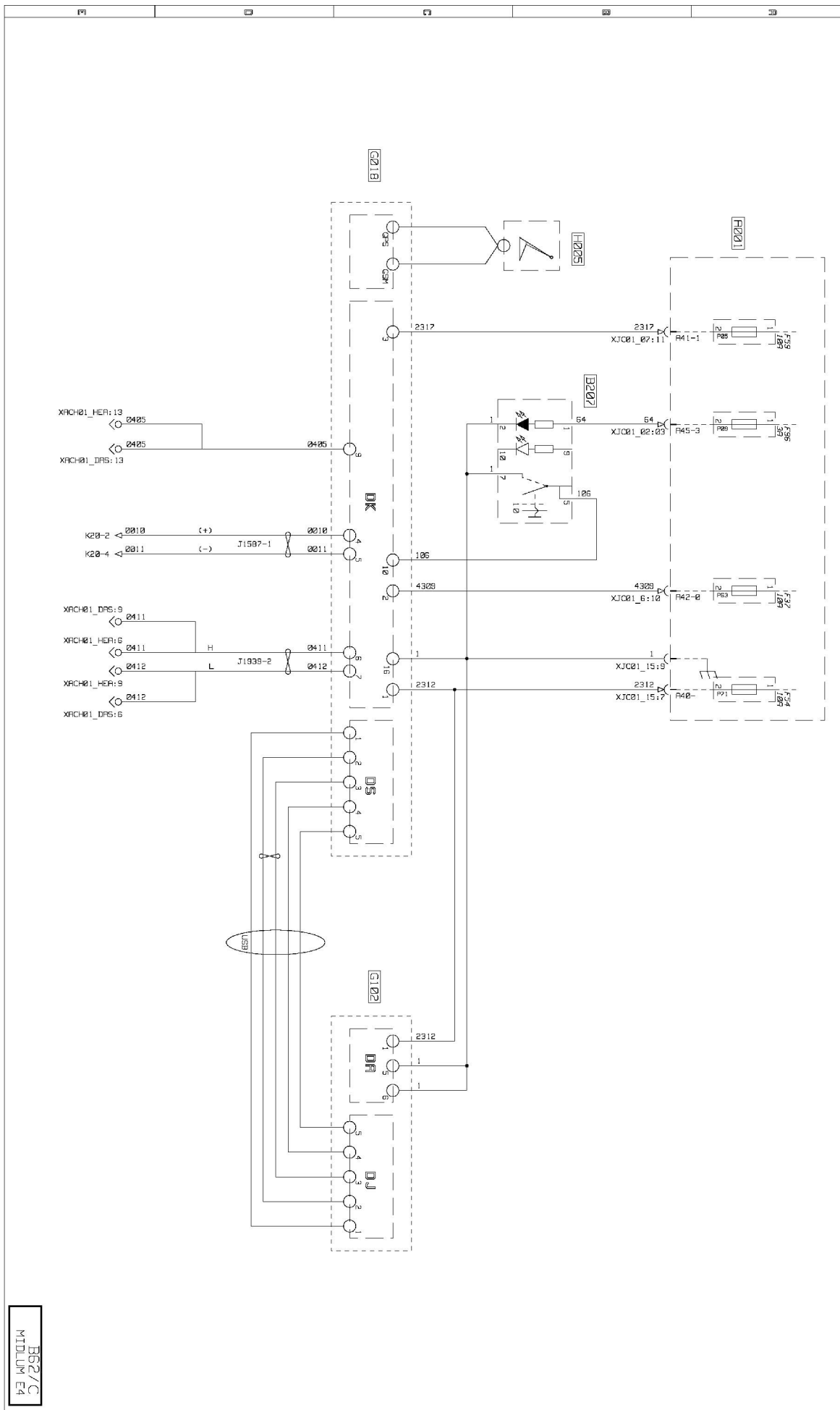


FMS + RAL on-board management

Key to devices

Code	Title of the function	Location
A001	Electrical distribution box in cab	A2c
G100	DATAMAX GATEWAY ECU	B2b
G102	On-board management control unit	B2b

OPTIFLEET onboard management



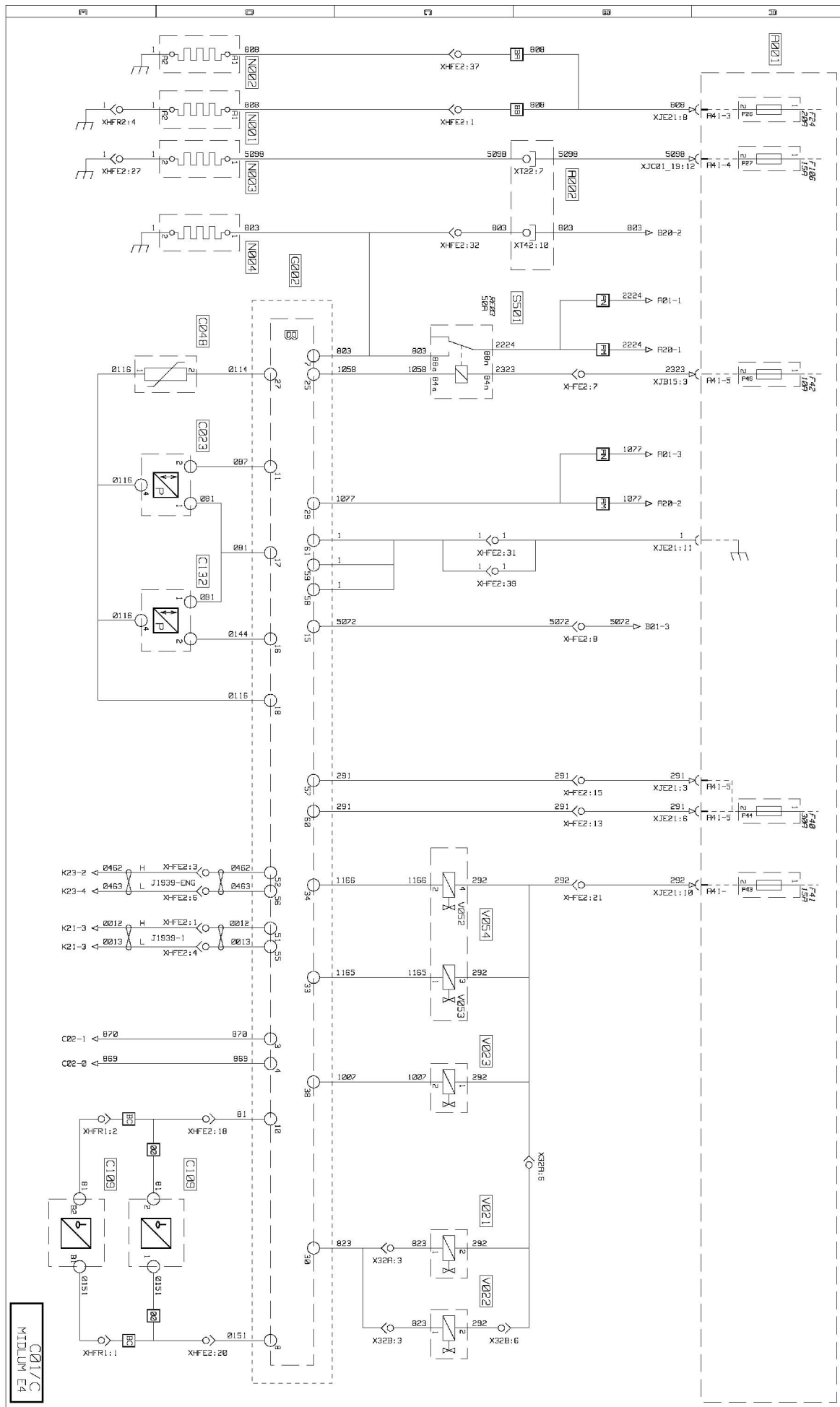
B62/C
MIDLUM E4

OPTIFLEET on-board management

Key to devices

Code	Title of the function	Location
A001	Electrical distribution box in cab	A2c
B207	Emergency call control	C2b
G018	On-board management interface control unit	B2b
G102	Onboard management control unit	B2c
H005	GPS antenna	C3a

Engine electronic management (1/2)



Engine electronic management (1/2)

Key to devices

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
C023	Engine oil pressure sensor	B3b
C048	Engine coolant circuit temperature sensor	B3b
C109	Water in fuel sensor	B3b
C132	Engine boost pressure sensor	B3b
G002	Engine management ECU	B3d
N001	Fuel heater resistor No.2	B3b
N002	Fuel heater resistor	B3b
N003	Fuel heater resistor No.3	B3b
N004	Air preheating resistor	B3b
S501	Air preheating relay	C4d
V021	Engine brake solenoid valve No.1	B3c
V022	Engine brake solenoid valve No.2	B3c
V023	Engine brake solenoid valve	B3c
V052	Range change solenoid valve	B4c
V053	Splitter relay control solenoid valve	B4c
V054	Splitter and range change relay control unit	B4c

AM : with **ADR** equipment

AN : without **ADR** equipment

BA : engine-mounted equipment

BB : chassis-mounted equipment

BC : extreme cold vehicles only

00 : other cases of use



Engine electronic management (2/2)

Key to devices

Code	Title of the function	Location
B105	Engine stop control	B3c
C019	Boost air pressure and temperature sensor	B3c
C020	Boost air temperature sensor	B3c
C021	Boost air pressure sensor	B3c
C022	Engine oil level sensor	B3c
C024	Engine oil level and pressure sensor unit	B3c
C067	Engine speed sensor on engine flywheel	B2c
C068	Engine speed sensor on camshaft	B3c
C084	Engine oil temperature sensor	B3c
C096	Range change selector pressure sensor	B4d
C148	Fuel high pressure sensor	B3c
G002	Engine management ECU	B3d
V060	High-pressure pump solenoid valve	B3c
V101	No. 1 cylinder injector solenoid valve	B3c
V102	No. 2 cylinder injector solenoid valve	B3c
V103	No. 3 cylinder injector solenoid valve	B3c
V104	No. 4 cylinder injector solenoid valve	B3c
V105	No. 5 cylinder injector solenoid valve	B3c
V106	No. 6 cylinder injector solenoid valve	B3c

BE : with 7 l engine

BF : with 5 l engine



Managing the urea supply

Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
C075	Urea level and temperature sensors inside the tank	A4d
C076	Exhaust gas temperature sensor	C4d
C077	Nitrogen oxide concentration sensor	C4d
C263	Internal urea temperature sensor	C4d
C264	Internal urea pressure sensor	C4d
G030	Urea supply management pump module	C4d
N015	Urea heating resistor (in tank to pump module circuit)	A4d
N016	Urea heating resistor (in pump module to tank circuit)	A4d
N017	Urea heating resistor (in pump module to metering solenoid valve circuit)	A4d
N018	Urea heating resistor (in the metering solenoid valve to pump module circuit)	A4d
N019	Urea heating resistor (inside the filter on the pump)	A4d
V055	Engine coolant circuit by-pass solenoid valve	C4d
V056	Urea supply metering solenoid valve	C4d
V141	Cooling solenoid valve for the urea	C4d
Z021	Urea pump module assembly	C4d

AK : with street-sweeper equipment

AM : with **ADR** equipment

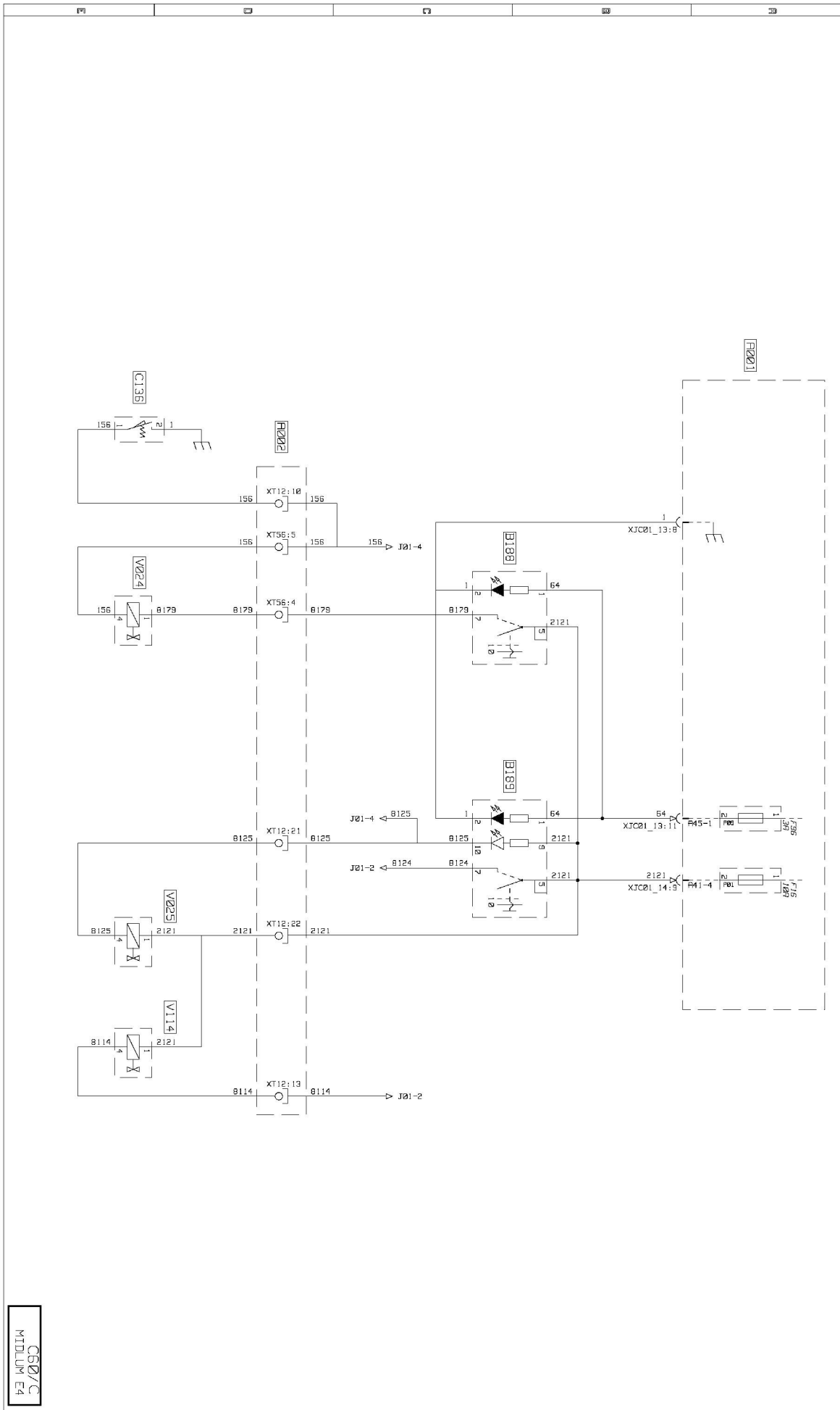
AN : without **ADR** equipment

CC : with fuel tank on the left-hand side

CD : with fuel tank on the right-hand side

00 : other cases of use

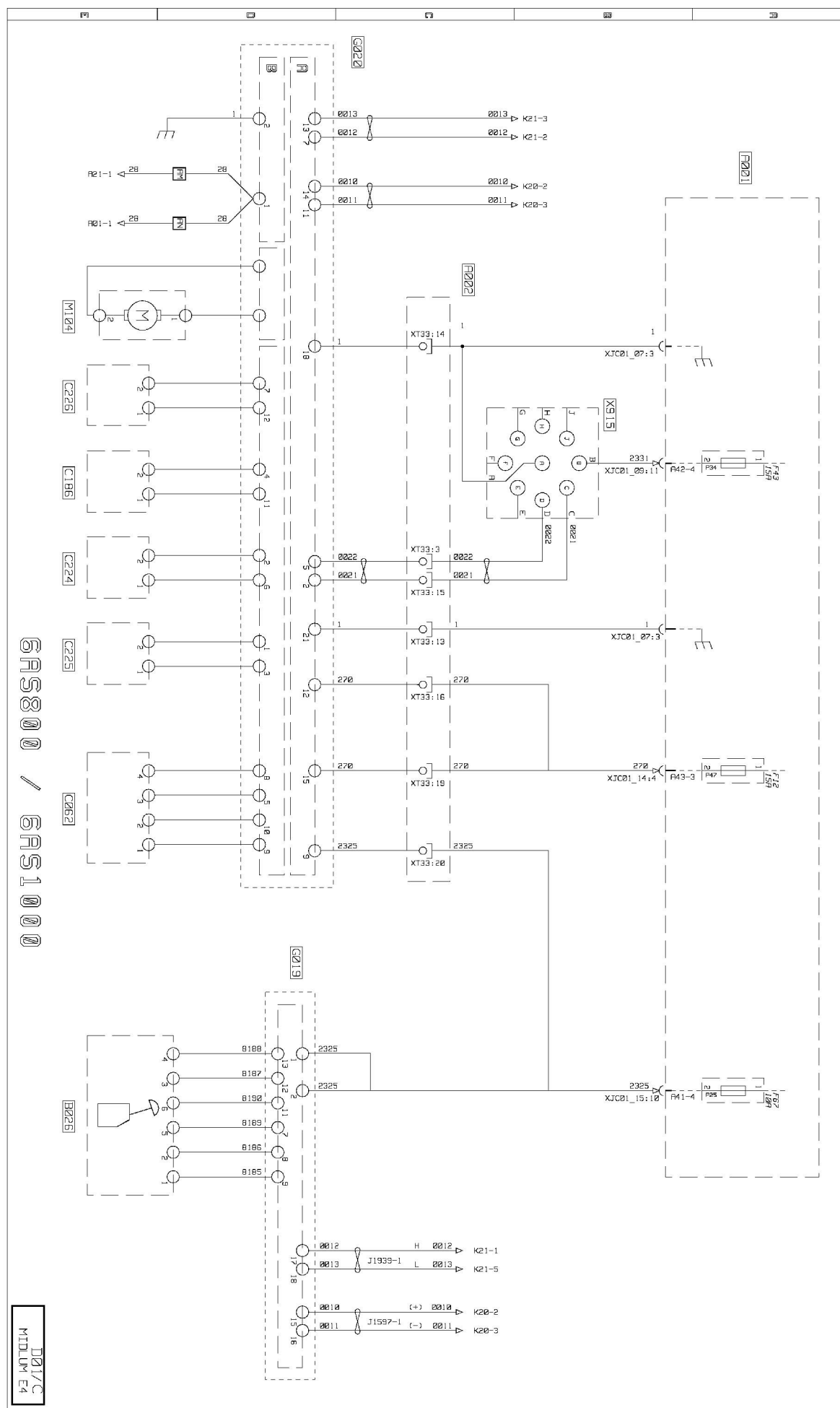
differential lock



differential lock

Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
B188	Front wheel differential lock control	B2b
B189	Selection control	B2b
C136	"Low speed" position sensor on gearbox	B4d
V024	Front inter-wheel differential lock control solenoid valve	B3c
V025	"Low speed" selection control solenoid valve	B4d
V114	Transfer box high speed control solenoid valve	B3c



6AS800/6AS1000 gearbox

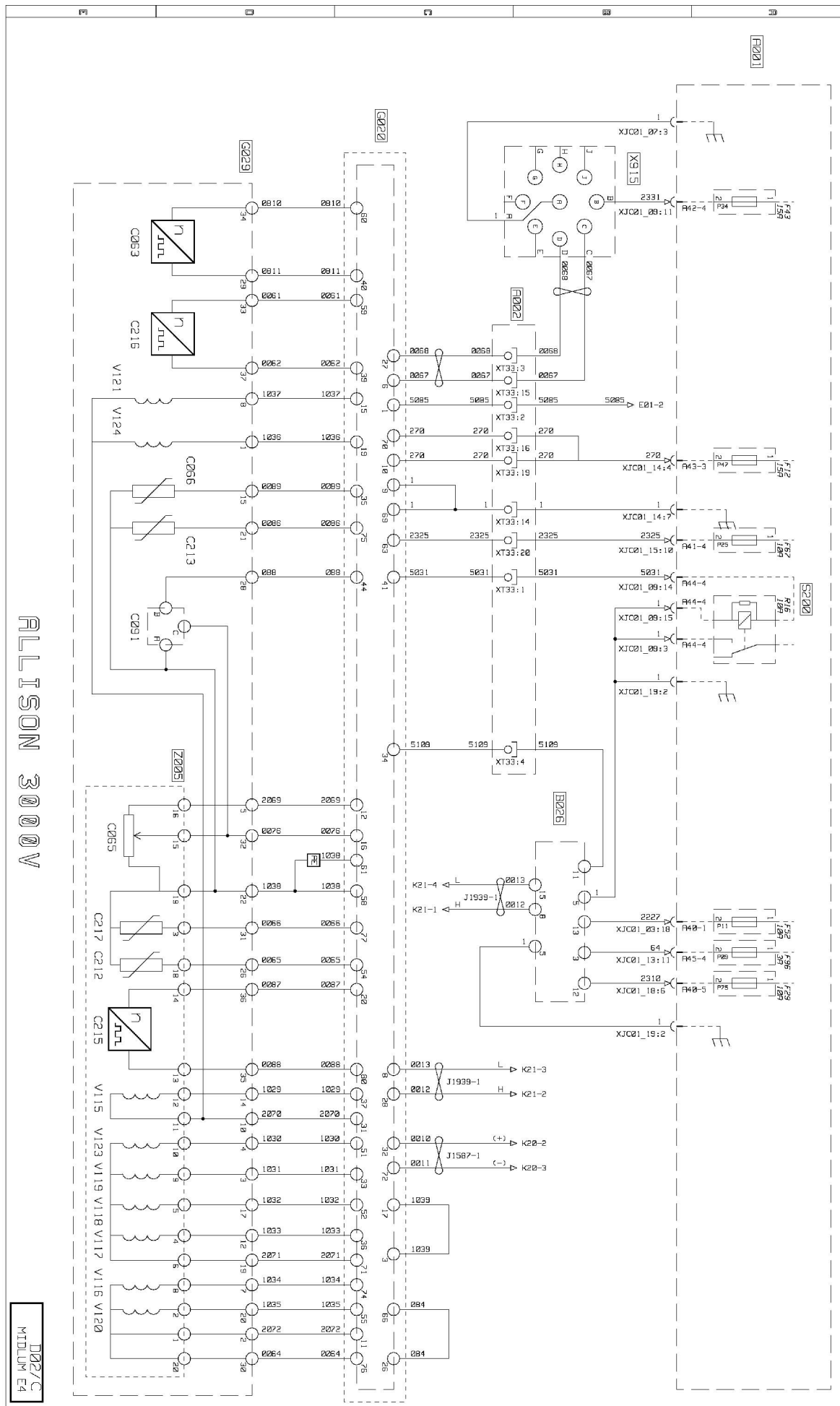
Key to devices

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
B026	Automatic transmission gear selector	B2b
C062	Clutch position sensor	B4d
C186	Secondary shaft speed sensor	B4d
C224	Gear selection movement sensor	B4d
C225	Gearshift control movement sensor	B4d
C226	Automated manual transmission hydraulic circuit level sensor	B4d
G019	Gear selector control unit	A2c
G020	Automatic transmission ECU	B4d
M104	Gearbox electric pump	B4d
X915	Automatic gearbox diagnostic socket	B2c

AM : with **ADR** equipment

AN : without **ADR** equipment

3000V gearbox



3000V gearbox

Key to devices

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
B026	Automatic transmission gear selector	B2b
C063	Automatic gearbox speed sensor	B4d
C065	Automatic gearbox oil level sensor	B4d
C066	Retarder coolant temperature sensor	B4d
C091	Retarder air pressure sensor	B4d
C212	Gearbox oil temperature sensor	B4d
C213	Retarder oil temperature sensor	B4d
C215	Turbine speed sensor	B4d
C216	Engine speed sensor	B4d
C217	Diagnostic pressure sensor No. 1	B4d
G020	Automatic transmission ECU	B4d
G029	Automatic gearbox sensors/actuators unit	B4d
S200	Automatic gearbox management ECU power supply relay	B2b
V115	Torque converter clutch solenoid valve	B4d
V116	Main module solenoid valve	B4d
V117	Pressure regulation solenoid valve No.1	B4d
V118	Pressure regulation solenoid valve No.2	B4d
V119	Pressure regulation solenoid valve No.3	B4d
V120	Pressure regulation solenoid valve No.4	B4d
V121	Pressure regulation solenoid valve No.5	B4d
V123	Speed change solenoid valve No.1	B4d
V124	Speed change solenoid valve No.2	B4d
X915	Automatic gearbox diagnostic socket	B2c
Z005	Automatic gearbox assembly	B4d

AE : with electric retarder

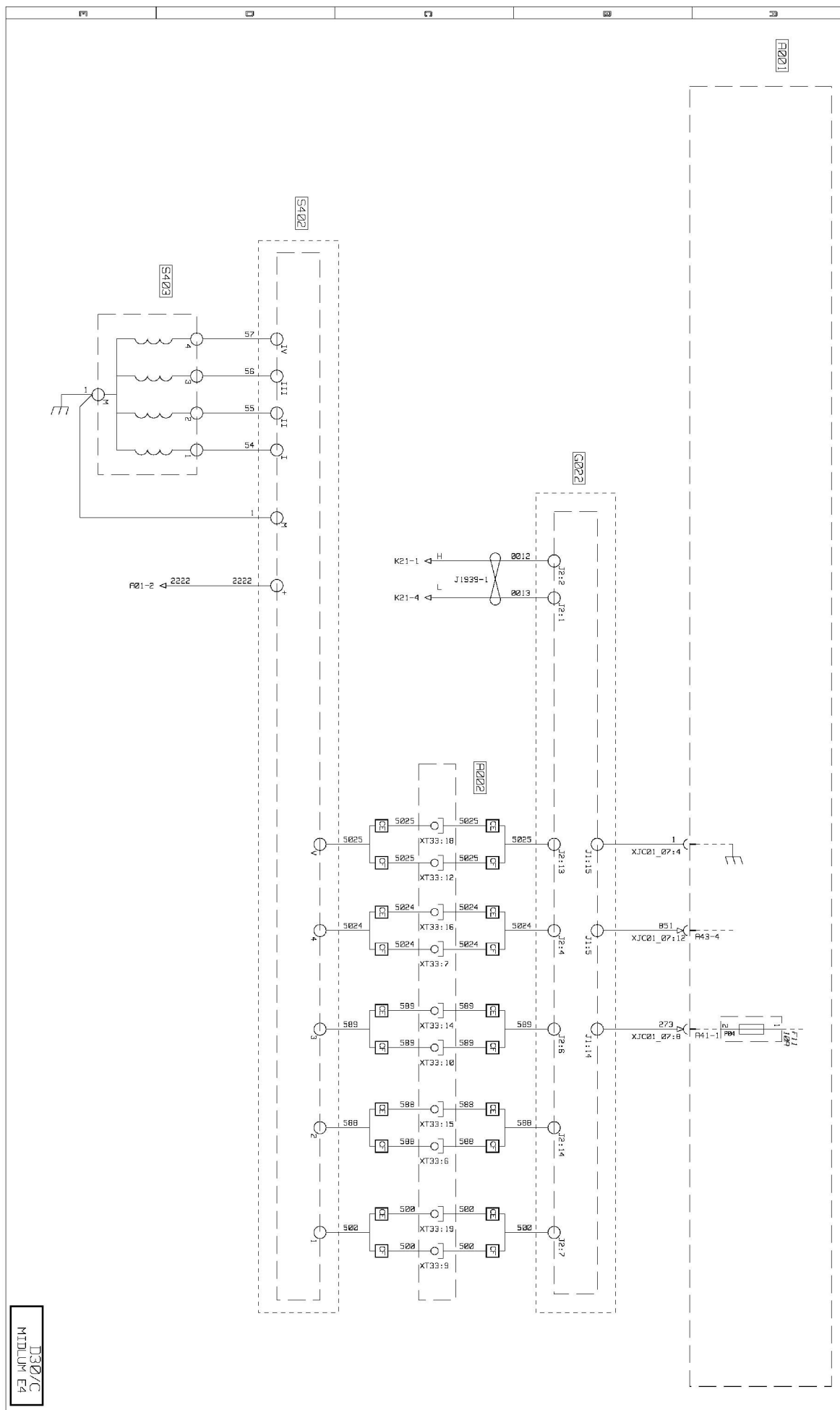


S2000 gearbox

Key to devices

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
C063	Automatic gearbox speed sensor	B4d
C212	Gearbox oil temperature sensor	B4d
C215	Turbine speed sensor	B4d
C216	Engine speed sensor	B4d
C217	Diagnostic pressure sensor No. 1	B4d
C218	Diagnostic pressure sensor No. 2	B4d
C219	Diagnostic pressure sensor No. 3	B4d
C220	Diagnostic pressure sensor No. 4	B4d
C223	Gear selector position sensor	B3c
E037	Gear selector lighting	B3c
G020	Automatic transmission ECU	B4d
G029	Automatic gearbox sensors/actuators unit	B4d
S200	Automatic gearbox management ECU power supply relay	A2b
V115	Torque converter clutch solenoid valve	B4d
V116	Main module solenoid valve	B4d
V117	Pressure regulation solenoid valve No.1	B4d
V118	Pressure regulation solenoid valve No.2	B4d
V123	Speed change solenoid valve No.1	B4d
V124	Speed change solenoid valve No.2	B4d
V125	Speed change solenoid valve No.3	B4d
X915	Automatic gearbox diagnostic socket	B2c
Z005	Automatic gearbox assembly	B4d

Electrical retarder



Electrical retarder

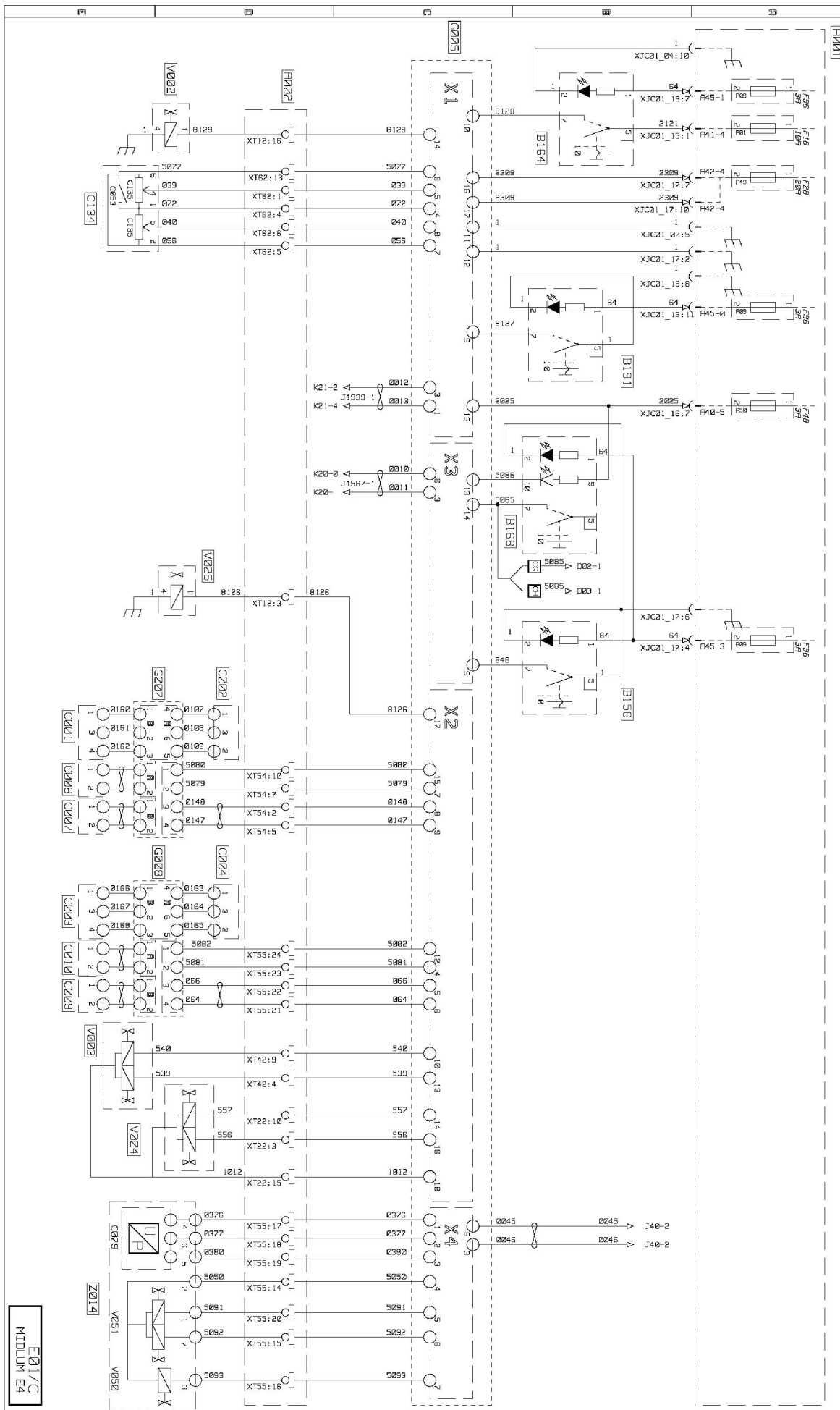
Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
G022	Electric retarder control unit	A2b
S402	Electric retarder relay box	B6d
S403	Electrical retarder	B6d

CE : without **ALLISON** automatic gearbox

CF : with **ALLISON** automatic gearbox

EBS braking system



EBS braking system

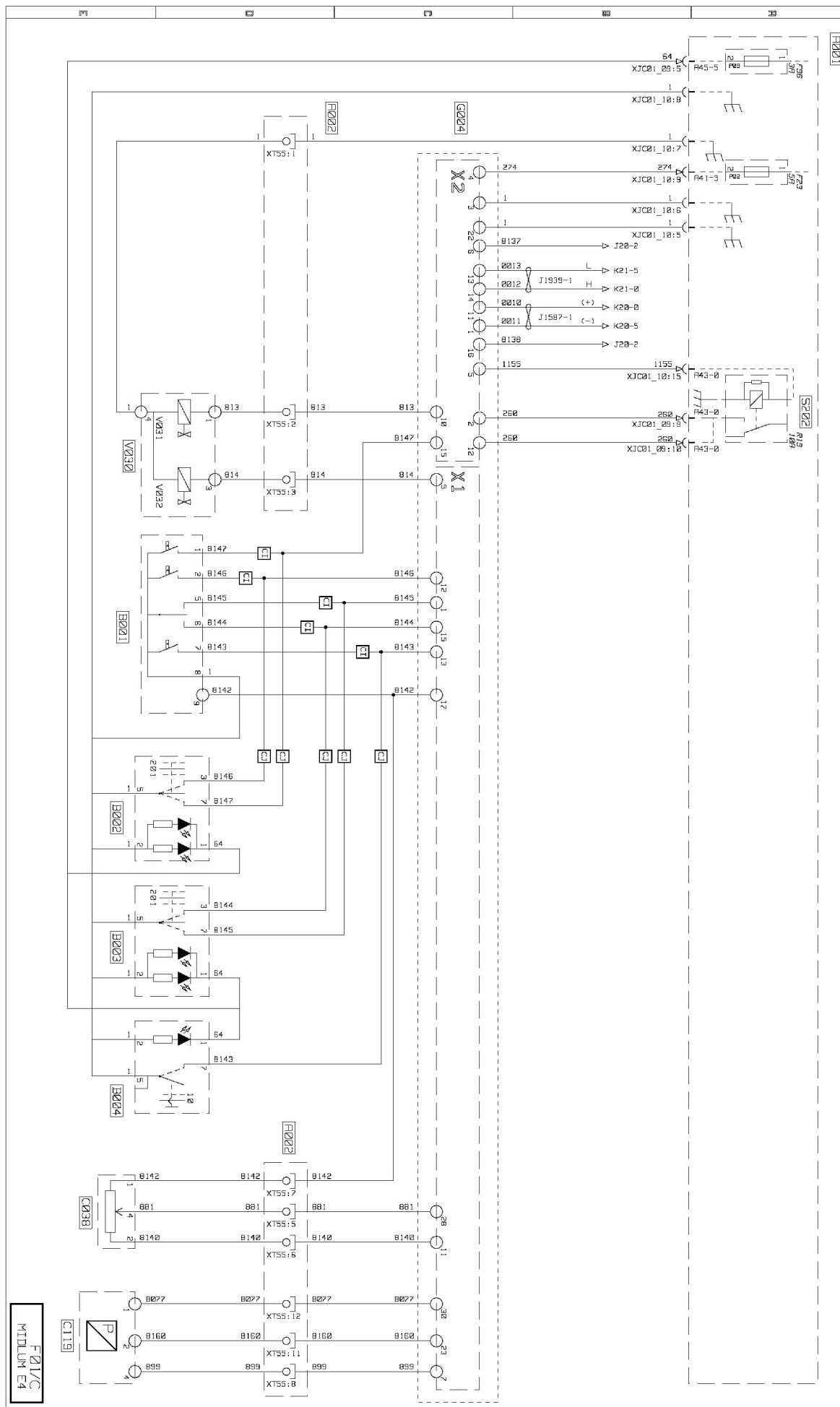
Key to devices

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
B156	"ASR" cut-off control	C2b
B164	Rear wheel differential lock control	C2b
B168	Traction control enabling control	C2b
B191	Transfer box differential lock control	C2b
C001	Front left-hand wheel brake lining wear sensor	C3d
C002	Front right-hand wheel brake lining wear sensor	A3d
C003	Left-hand rear wheel brake lining wear sensor	C7d
C004	Right-hand rear wheel brake lining wear sensor	A7d
C007	Front left-hand wheel speed sensor	C3d
C008	Front right-hand wheel speed sensor	A3d
C009	Rear left-hand wheel speed sensor	C7d
C010	Rear right-hand wheel speed sensor	A7d
C053	Stop lights switch contact	C2c
C079	Trailer braking assistance system pressure sensor	B7d
C134	Brake pedal sensor unit	C2c
C135	Brake pedal position feedback sensor	C2c
G005	EBS management control unit	A2b
G007	Braking assistance modulator assembly (on front axle)	B3d
G008	Braking assistance modulator assembly on drive axle	B7d
V002	Rear wheel differential lock solenoid valve	B7d
V003	Front LH wheel ABS solenoid valve	C3d
V004	Front RH wheel ABS solenoid valve	A3d
V026	Transfer box differential lock control solenoid valve	B4d
V050	Auxiliary braking solenoid valve	B7d
V051	Trailer braking inlet/exhaust solenoid valve	B7d
Z014	Trailer brake control EBS modulator unit	B6d

CG : with **ALLISON 3000V** automatic gearbox

CH : with **ALLISON S2000** automatic gearbox

4x2 rear electronic air suspension (<18 t)



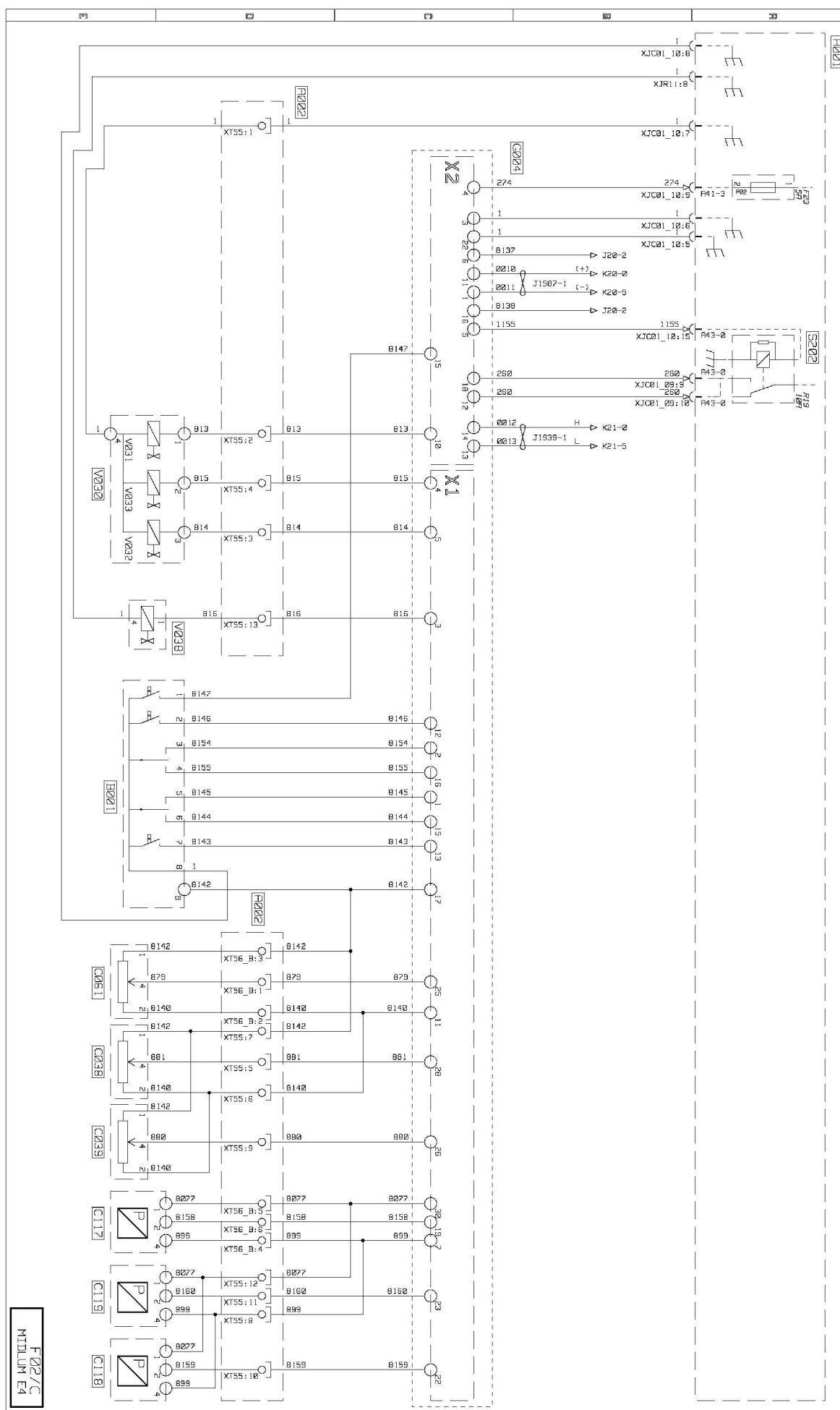
4x2 rear electronic air suspension (<18 t)

Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
B001	Air suspension command remote control	C4c
B002	Air suspension 'up' position remote control	C2c
B003	Air suspension 'down' position remote control	C2c
B004	Air suspension memorised position remote control	C2c
C038	Drive axle suspension right-hand position sensor	A7d
C119	Drive axle suspension right-hand pressure sensor	A7d
G004	Air suspension control unit	B2b
S202	Air suspension ECU power supply relay	B2c
V030	Drive axle suspension control solenoid valve assembly	B7d
V031	Drive axle rear suspension main solenoid valve	B7d
V032	Drive axle rear suspension (RH side) solenoid valve	B7d

CI : with remote control

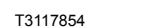
CJ : without remote control



4x2 full electronic air suspension (<18 t)

Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
B001	Air suspension command remote control	C4c
C038	Drive axle suspension right-hand position sensor	A7d
C039	Drive axle suspension left-hand position sensor	C7d
C061	Front axle suspension position sensor	C3d
C117	Front air spring air pressure sensor	C3d
C118	Drive axle suspension left-hand pressure sensor	C7d
C119	Drive axle suspension right-hand pressure sensor	A7d
G004	Air suspension control unit	B2b
S202	Air suspension ECU power supply relay	A2c
V030	Drive axle suspension control solenoid valve assembly	B7d
V031	Drive axle rear suspension main solenoid valve	B7d
V032	Drive axle rear suspension (RH side) solenoid valve	B7d
V033	Drive axle rear suspension (LH side) solenoid valve	B7d
V038	Front suspension solenoid valve	C3d



4x2 full electronic air suspension (≥18 t)

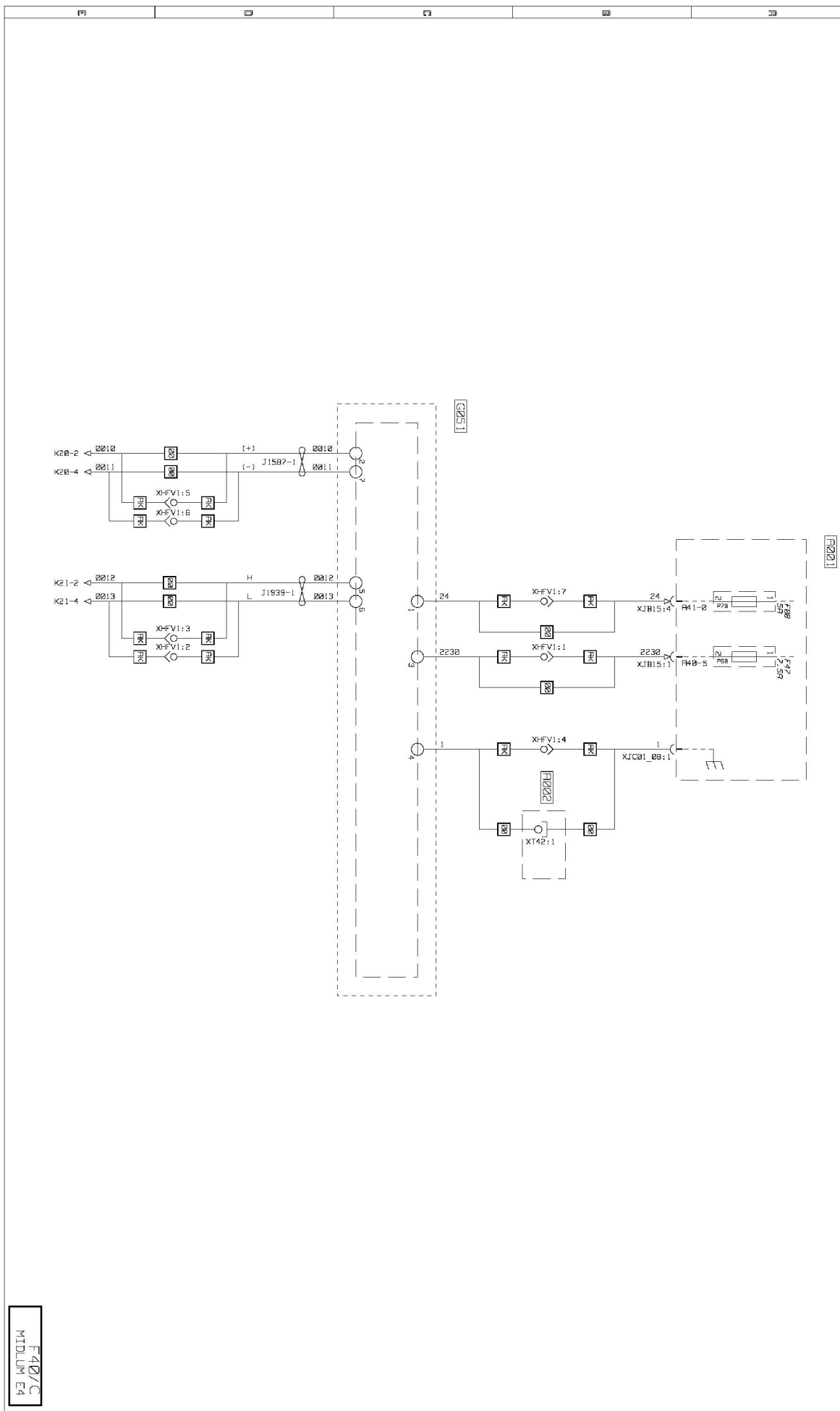
Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
B001	Air suspension command remote control	C4c
B002	Air suspension 'up' position remote control	B2c
B003	Air suspension 'down' position remote control	B2c
B004	Air suspension memorised position remote control	B2c
C038	Drive axle suspension right-hand position sensor	A7d
C039	Drive axle suspension left-hand position sensor	C7d
C061	Front axle suspension position sensor	C3d
C117	Front air spring air pressure sensor	C3d
C118	Drive axle suspension left-hand pressure sensor	C7d
C119	Drive axle suspension right-hand pressure sensor	A7d
G004	Air suspension control unit	B2b
S202	Air suspension ECU power supply relay	B2c
V030	Drive axle suspension control solenoid valve assembly	B7d
V031	Drive axle rear suspension main solenoid valve	B7d
V032	Drive axle rear suspension (RH side) solenoid valve	B7d
V033	Drive axle rear suspension (LH side) solenoid valve	B7d
V038	Front suspension solenoid valve	C3d

CI : with remote control

CJ : without remote control

Air production management



Air production management

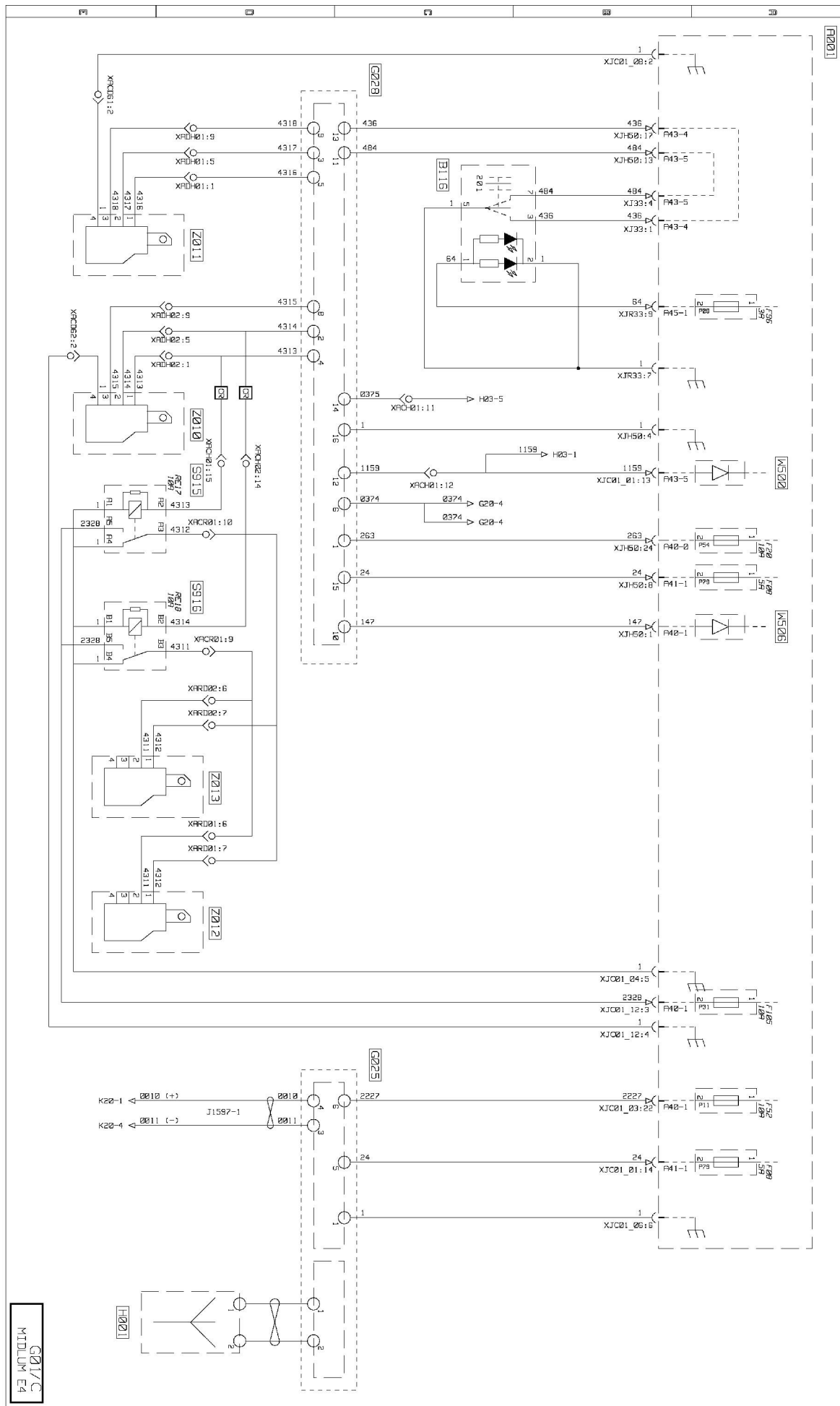
Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
G051	Air production management ECU	C4d

AK : with street-sweeper equipment

00 : other cases of use

Door/Immobiliser management



Door/Immobiliser management

Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
B116	Door locking control	B2b
G025	Engine immobiliser ECU	C2c
G028	Doors central locking ECU	A2c
H001	Engine immobiliser antenna	C2c
S915	Rear door striker unlocking power supply relay	B2c
S916	Rear door striker locking power supply relay	B2c
W500	Diode(s)	B2c
W506	Diode for door central locking	B2c
Z010	Front passenger door locking striker unit	A3c
Z011	Driver's door locking striker unit	C3c
Z012	RH rear door locking striker assembly	A4c
Z013	LH rear door locking striker assembly	C4c

CR : with 4-door cab

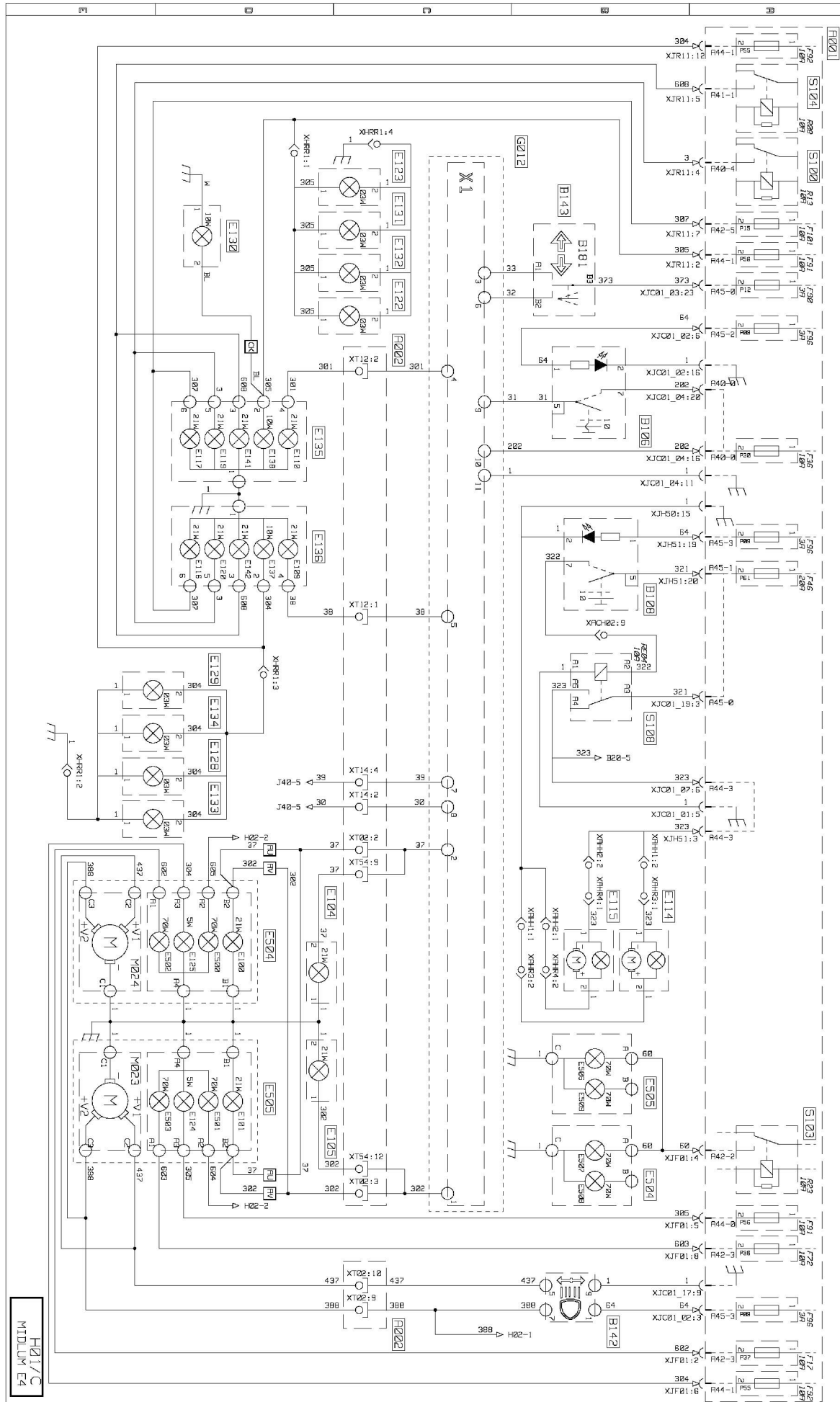


Alarm

Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
B163	Alarm anti-panic control	B2b
B172	Alarm siren sound level reduction control	B2b
C071	Alarm ultrasonic transmitter sensor	C2c
C072	Alarm ultrasonic receiver sensor	A2c
G026	Alarm ECU	A2a
L006	Audible warning - alarm siren	C2d
W500	Diode(s)	B2c
W506	Diode for door central locking	B2c
W507	Vehicle alarm signalling diode	B2a

Lighting and signalling management (1/3)



Lighting and signalling management (1/3)

Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
B106	Hazard lights control	C2b
B108	Rotating beacon(s) control	C2b
B142	Headlamp beam level adjustment control	C2b
B143	Steering column fingertip control cluster No. 1	C2b
B181	Direction indicator control	C2b
E100	Front RH direction indicator lamp(s)	A1d
E101	Front LH direction indicator lamp(s)	C1d
E104	Right-hand direction change indicator lamp on roof	A2a
E105	Left-hand direction change indicator lamp on roof	C2a
E109	Rear RH direction indicator lamp(s)	A9d
E110	Rear LH direction indicator lamp(s)	C9d
E114	Rotating beacon No.1	A2a
E115	Rotating beacon No.2	C2a
E116	Rear RH fog light(s)	A9d
E117	Rear LH fog light(s)	C9d
E119	Left-hand brake light(s)	C9d
E120	Right-hand brake light(s)	A9d
E122	Right-hand marker light No.1	A2d
E123	Right-hand marker light No.2	A4d
E124	Front left side/parking light(s)	C1d
E125	Front right side/parking light(s)	A1d
E128	Left-hand marker light No.3	C6d
E129	Left-hand marker light No.4	C8d
E130	Registration plate light(s)	C9d
E131	Right-hand marker light No.3	A6d
E132	Right-hand marker light No.4	A8d
E133	Left-hand marker light No.1	C2d
E134	Left-hand marker light No.2	C4d
E135	Left-hand tail lights unit	C9d
E136	Right-hand tail lights unit	A9d
E137	Rear right side/parking light(s)	A9d
E138	Rear left side/parking light(s)	C9d
E141	Left-hand reversing light(s)	C9d
E142	Right-hand reversing light(s)	A9d
E500	Right-hand dipped beam headlight	A1d

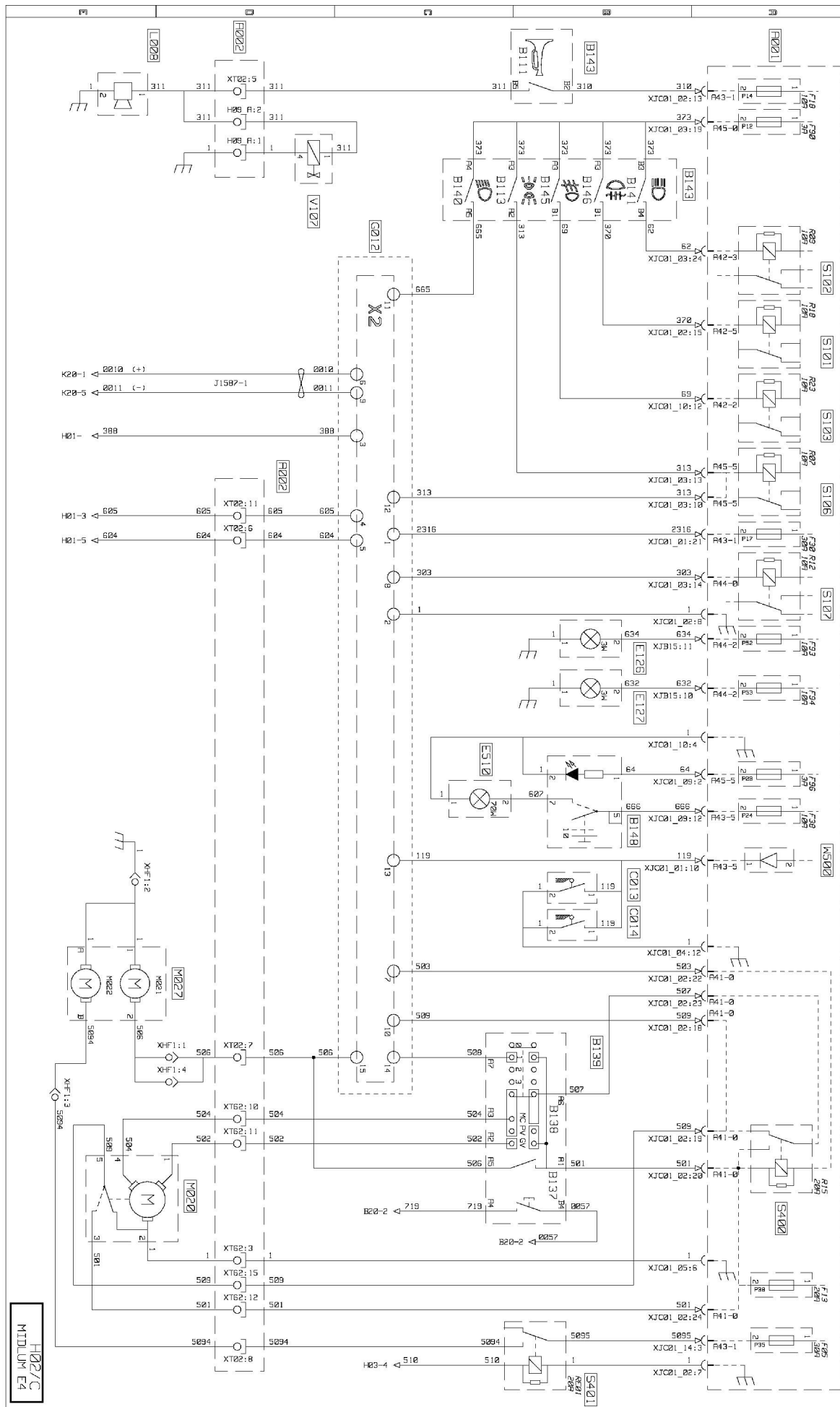
E501	Left-hand dipped beam headlight	C1d
E502	Right-hand main beam headlight	A1d
E503	Left-hand main beam headlight	C1d
E504	Right-hand headlamp insert	A1d
E505	Left-hand headlamp insert	C1d
E506	Fog light, LH	C1d
E507	Fog light, RH	A1d
E508	RH long range driving lamp	A1d
E509	LH long range driving lamp	C1d
G012	Lighting and signalling management control unit	B2c
M023	LH headlamp beam level adjustment motor	C1d
M024	RH headlamp beam level adjustment motor	A1d
S100	Brake lights power supply relay	B2c
S103	Fog lights power supply relay	B2c
S104	Reversing lights power supply relay	B2c
S108	Rotating beacon(s) power supply relay	B2c

AU : left-hand drive

AV : right-hand drive

CK : with underrun guard

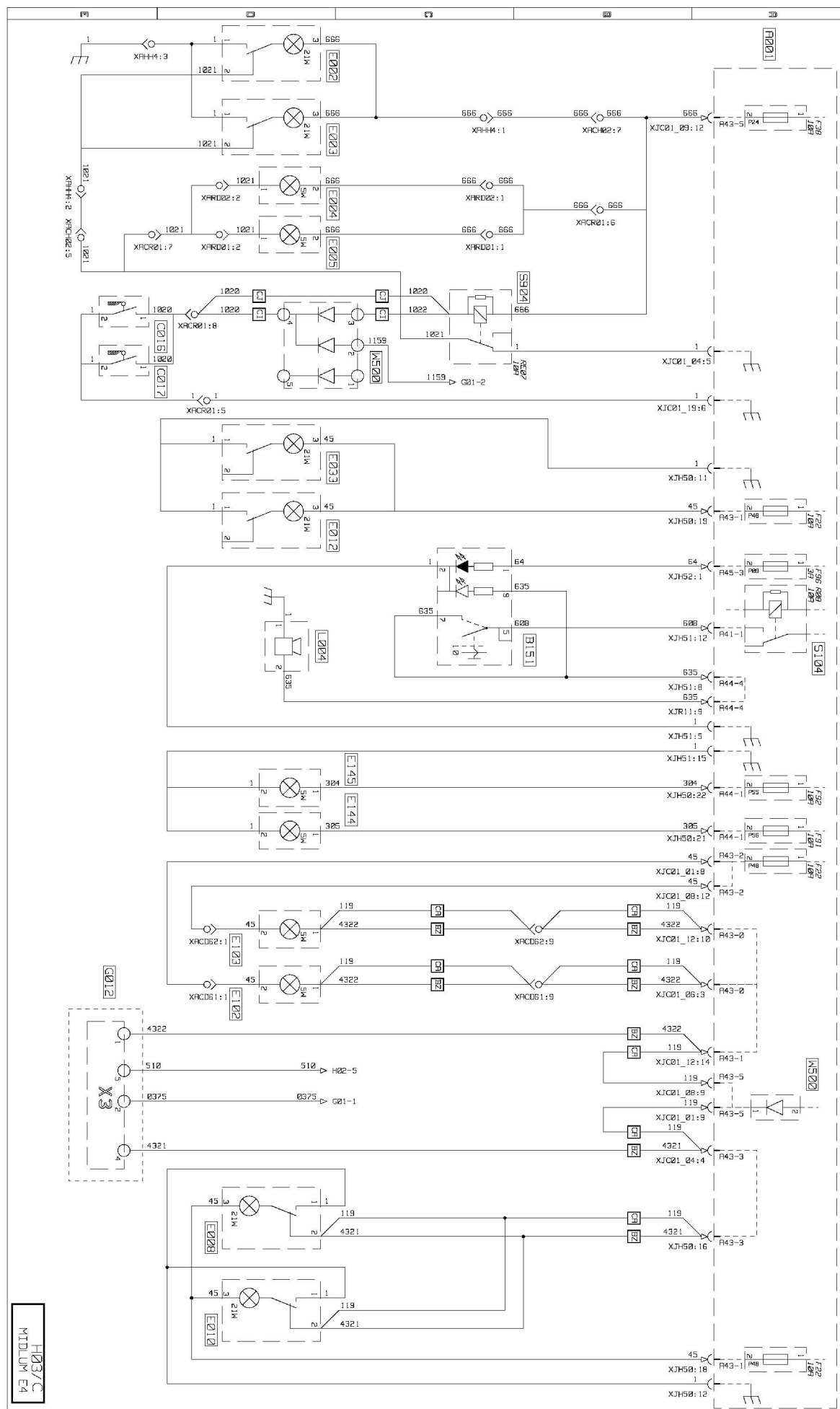
Lighting and signalling management (2/3)



Lighting and signalling management (2/3)

Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
B111	Horn control	C2b
B113	Side/parking lights control	C2d
B137	Windscreen wash control	C2b
B138	Windscreen wipe control	C2b
B139	Windscreen wash/wipe/headlamp wash control	C2b
B140	Headlamp dipped beam control	C2b
B141	Headlamp main beam control	C2b
B143	Steering column fingertip control cluster no. 1	C2b
B145	Fog lights control	C2b
B146	Fog lights control	C2b
B148	Work lights control	C2b
C013	Driver's side door open information position sensor	C2c
C014	Front passenger side door open information position sensor	A2c
E126	RH side marker light(s)	A3d
E127	LH side marker light	C3d
E510	Working spotlamp	B4d
G012	Lighting and signalling management control unit	A2b
L008	Electric horn	C2d
M020	Windscreen wipers drive motor	B1c
M021	Windscreen wash pump motor	A2c
M022	Headlamp washer pump motor	A2c
M027	Windscreen washer motor / headlights washer motor unit	A4c
S101	Fog lights power supply relay	A2c
S102	Headlamp main beam power supply relay	A2c
S103	Fog driving lights power supply relay	A2c
S106	Switches night lighting power supply relay	B2c
S107	RH and LH side/parking and marker lights power supply relay (trailer and body builder)	A2c
S400	Windscreen wiper motor time-delay relay	A2c
S401	Headlight washer pump motor power supply relay	A2c
V107	Air horn	C2d
W500	Diode(s)	A2b



Lighting and signalling management (3/3)

Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	A2c
B151	Reversing buzzer deactivation control	C2a
C016	Rear left-hand passenger side door open information position sensor	C4d
C017	Rear right-hand passenger side door open information position sensor	A4c
E002	LH rear door overhead lamp	C4a
E003	RH rear door overhead lamp	A4a
E004	LH rear door stepwell lighting	C4c
E005	RH rear door stepwell lighting	A4c
E008	Driver's side single overhead light	C2a
E010	Front passenger side single overhead light	A2a
E012	RH upper overhead lighting (door)	C3a
E033	LH upper overhead lighting (door)	A3a
E102	Driver's side stepwell lighting	C2c
E103	Front passenger side stepwell lighting	A2c
E144	Roof LH side/parking light	C2a
E145	Roof RH side/parking light	A2a
G012	Lighting and signalling management control unit	A2b
L004	External audible warning	C9d
S104	Reversing lights power supply relay	A2c
S904	Comfort lighting power supply relay	A2c
W500	Diode(s)	A2b

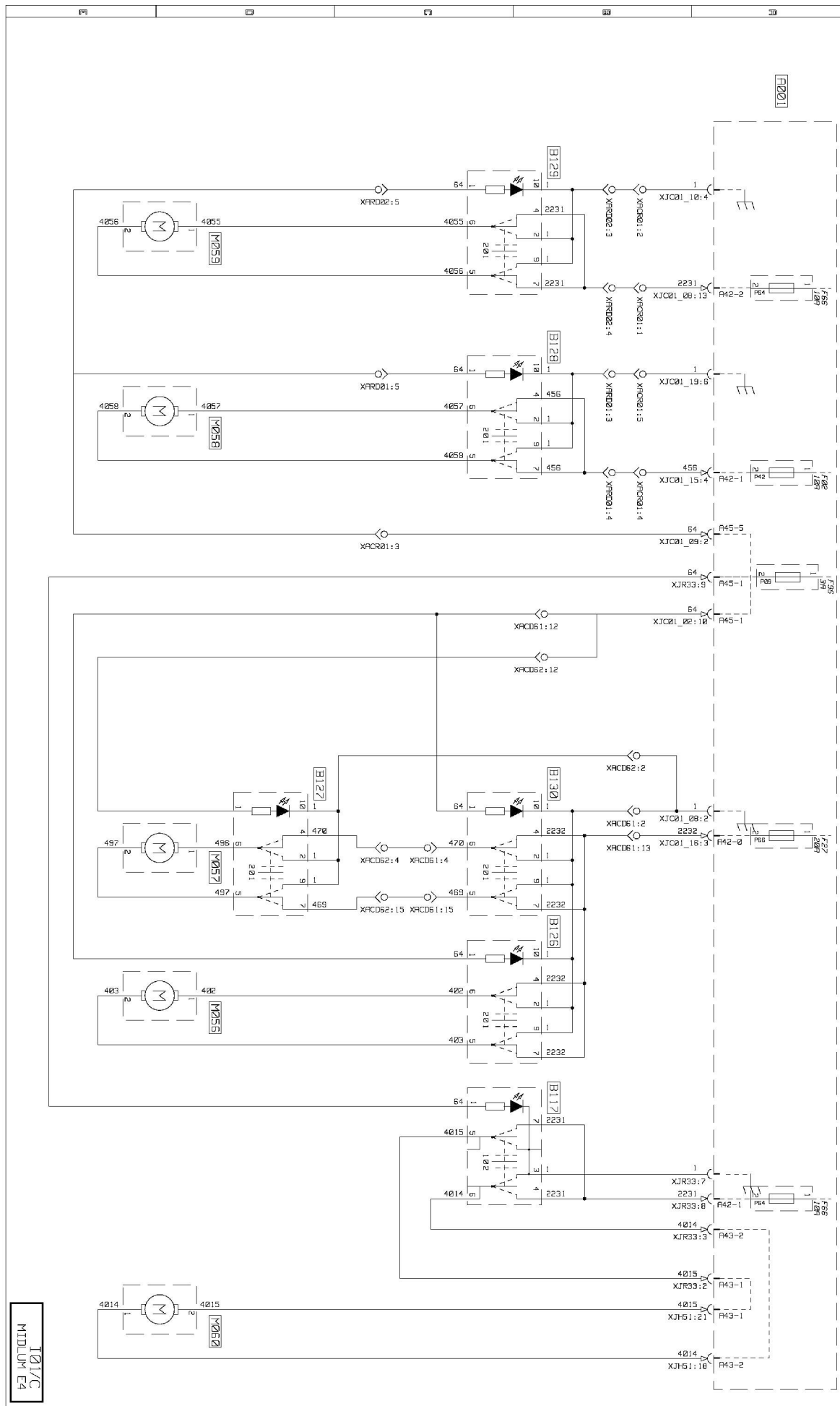
BZ : with alarm

CA : without alarm

CI : with remote control

CJ : without remote control

Electric windows, sunroof

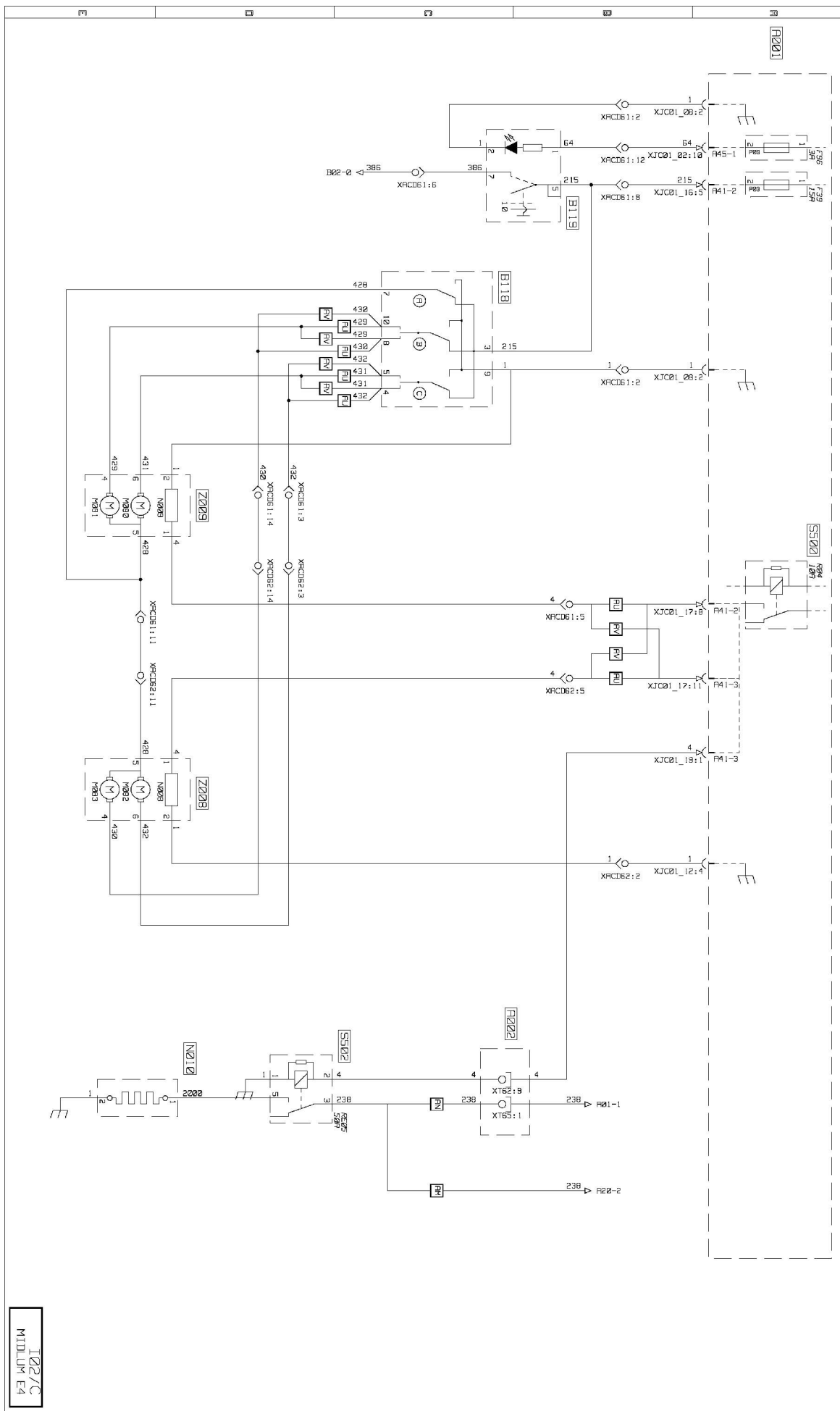


Electric windows, sunroof

Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
B117	Sun-roof opening/closing control (on dashboard)	B2b
B126	Driver's window winder motor control (driver's side)	C2b
B127	Front passenger electric window motor control (front passenger side)	A2b
B128	RH rear door window winder control	A4b
B129	LH rear door window winder control	C4b
B130	Front passenger window winder motor control (driver's side)	C2b
M056	Driver's door window lift motor	C3c
M057	Front passenger door window lift motor	A3c
M058	RH rear door window lift motor	A4c
M059	LH rear door window lift motor	C4c
M060	Electric sunroof motor	B3a

Adjustable heated door mirrors



Adjustable heated door mirrors

Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	A2c
A002	Chassis-cab connection box	A2c
B118	Swivelling door mirrors and alarm siren adjustment control	B3b
B119	Heated door mirrors and windscreen control	B3b
M080	RH door mirror horizontal swivelling motor	A2a
M081	RH door mirror vertical swivelling motor	A2a
M082	LH door mirror horizontal swivelling motor	C2a
M083	LH door mirror vertical swivelling motor	C2a
N008	LH heated door mirror resistor	A2a
N009	RH heated door mirror resistor	C2a
N010	Heated windscreen resistor	B1a
S500	Heated and swivelling door mirror power supply relay	A2c
S502	Windscreen heating control relay	A2c
Z008	Left-hand swivelling heated door mirror	C2a
Z009	Right-hand swivelling heated door mirror	A2a

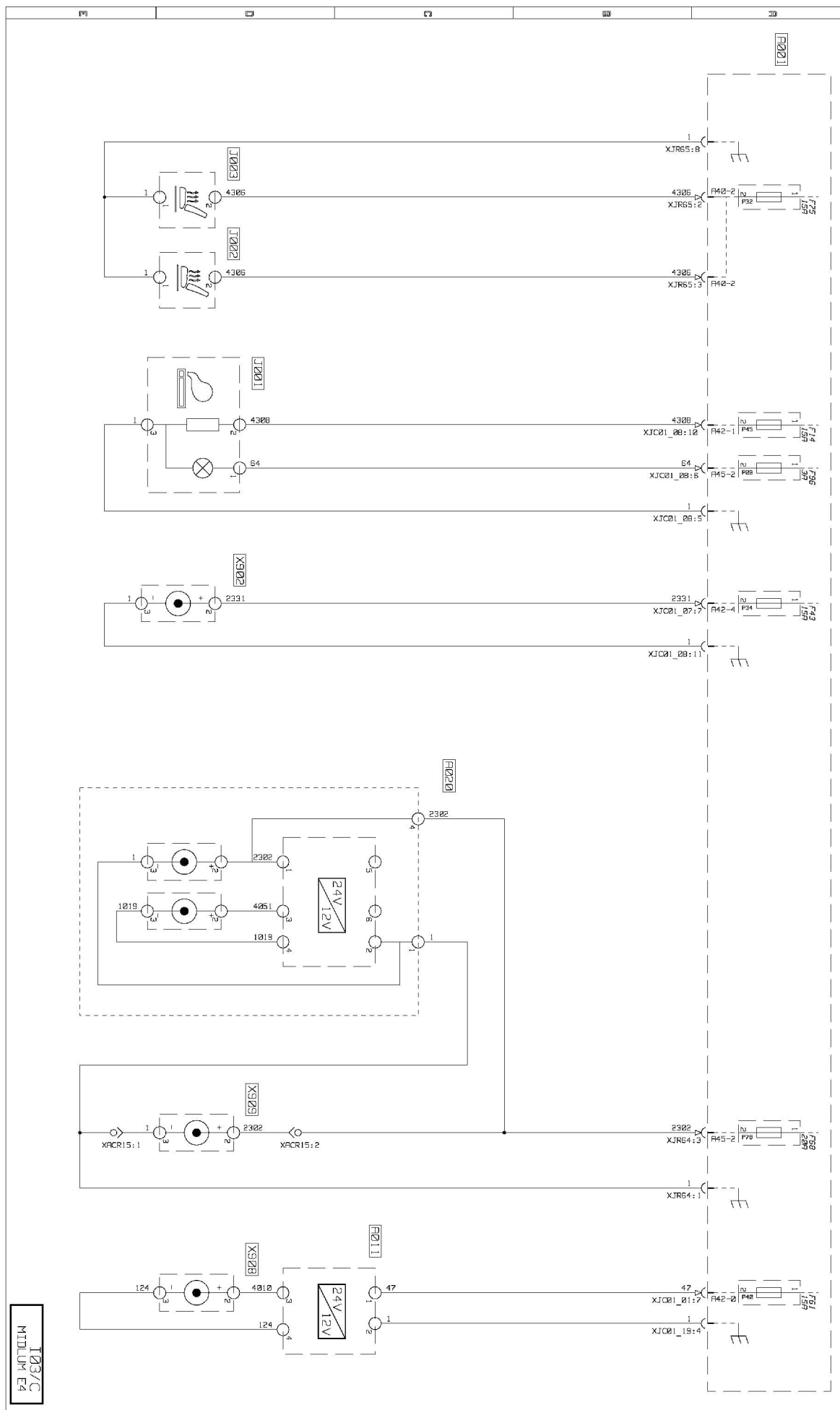
AM : with **ADR** equipment

AN : without **ADR** equipment

AU : left-hand drive

AV : right-hand drive

Comfort accessories

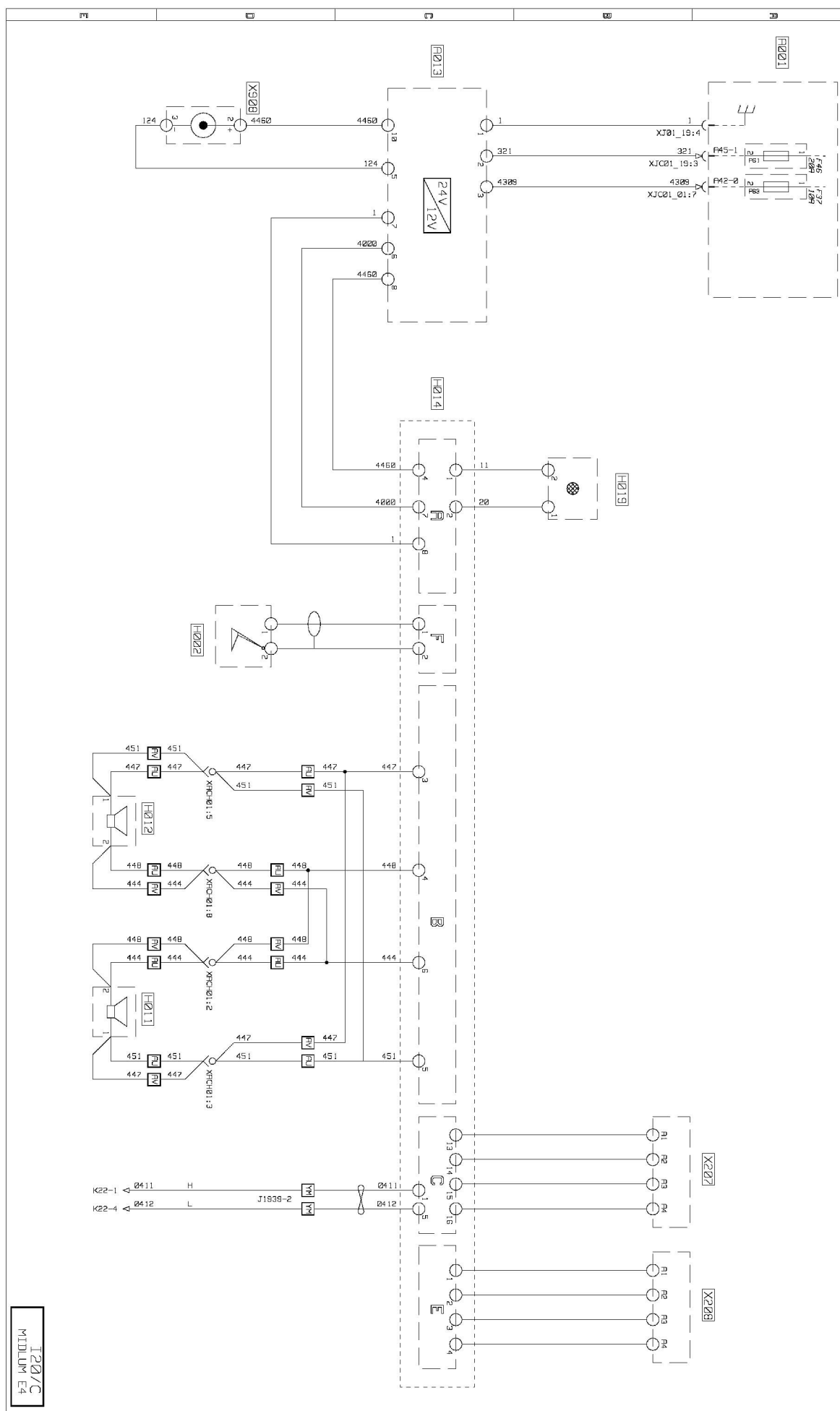


Comfort accessories

Key to devices

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A011	Voltage converter (24V / 12V) for information technology pack	C2a
A020	Voltage converter (24V/12V) - Integral 12 and 24 Volt sockets	C2a
J001	Cigarette lighter	B2b
J002	RH heated seat assembly	A3b
J003	LH heated seat assembly	C3b
X902	24 volt power supply socket	A2a
X908	12 volt power supply socket	B2b
X909	Supplementary power supply socket 24 volts	A2a

Radio



Radio

Equipment key

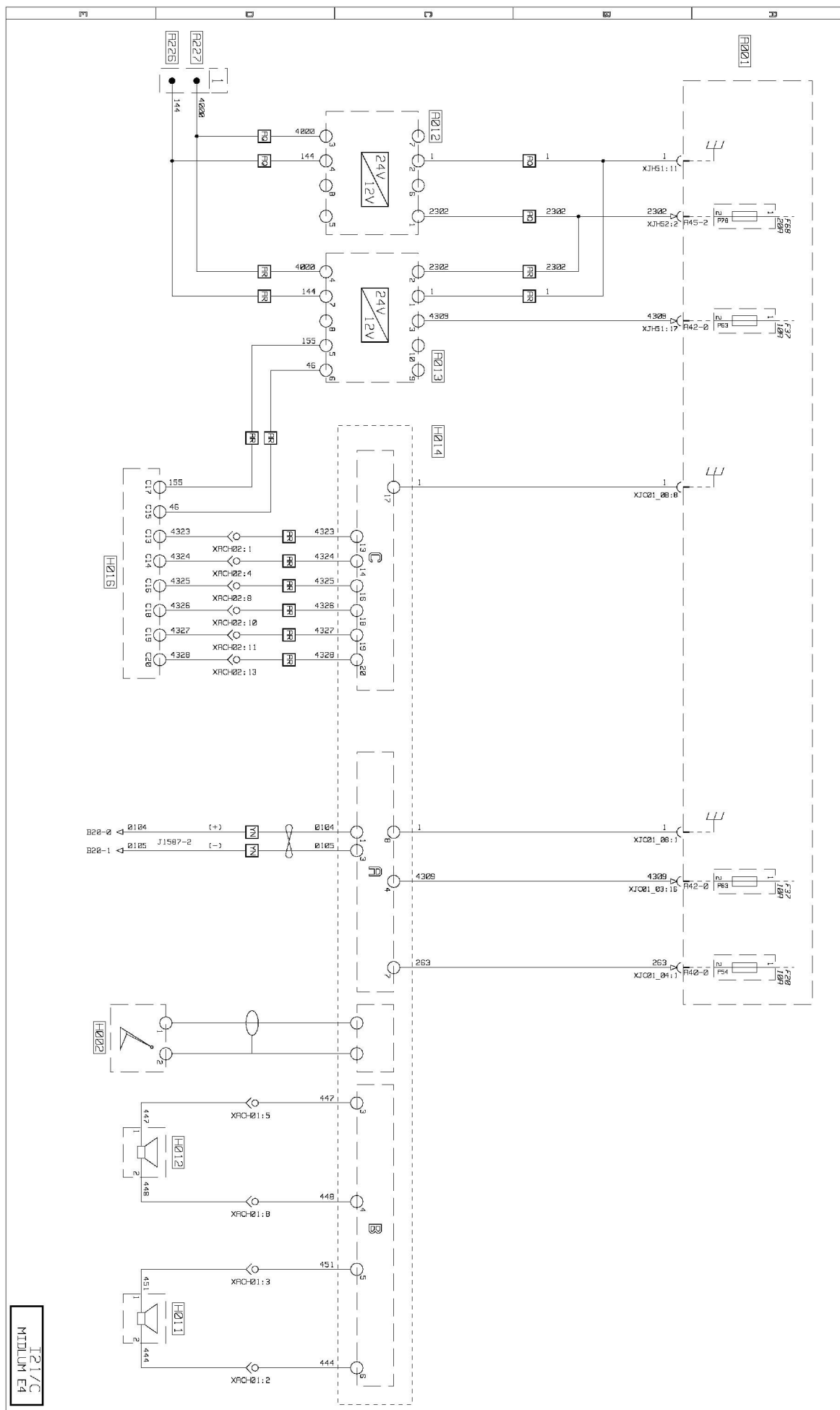
Code	Title of the function	Location
A001	Electrical distribution box in cab	A2c
A013	Voltage converter (24/12V - 15A) for audio communication system	C2a
H002	Radio set antenna	C2a
H011	Front LH loudspeaker	C2a
H012	Front RH loudspeaker	A2a
H014	Radio set	C2a
H019	Microphone	C2a
X207	Auxiliary audio connector	C2a
X208	USB audio connector	C2a
X908	12 volt power supply socket	B2b

AU : left-hand drive

AV : right-hand drive

YM : for vehicles manufactured after **2016/12/04**

Radio



Radio

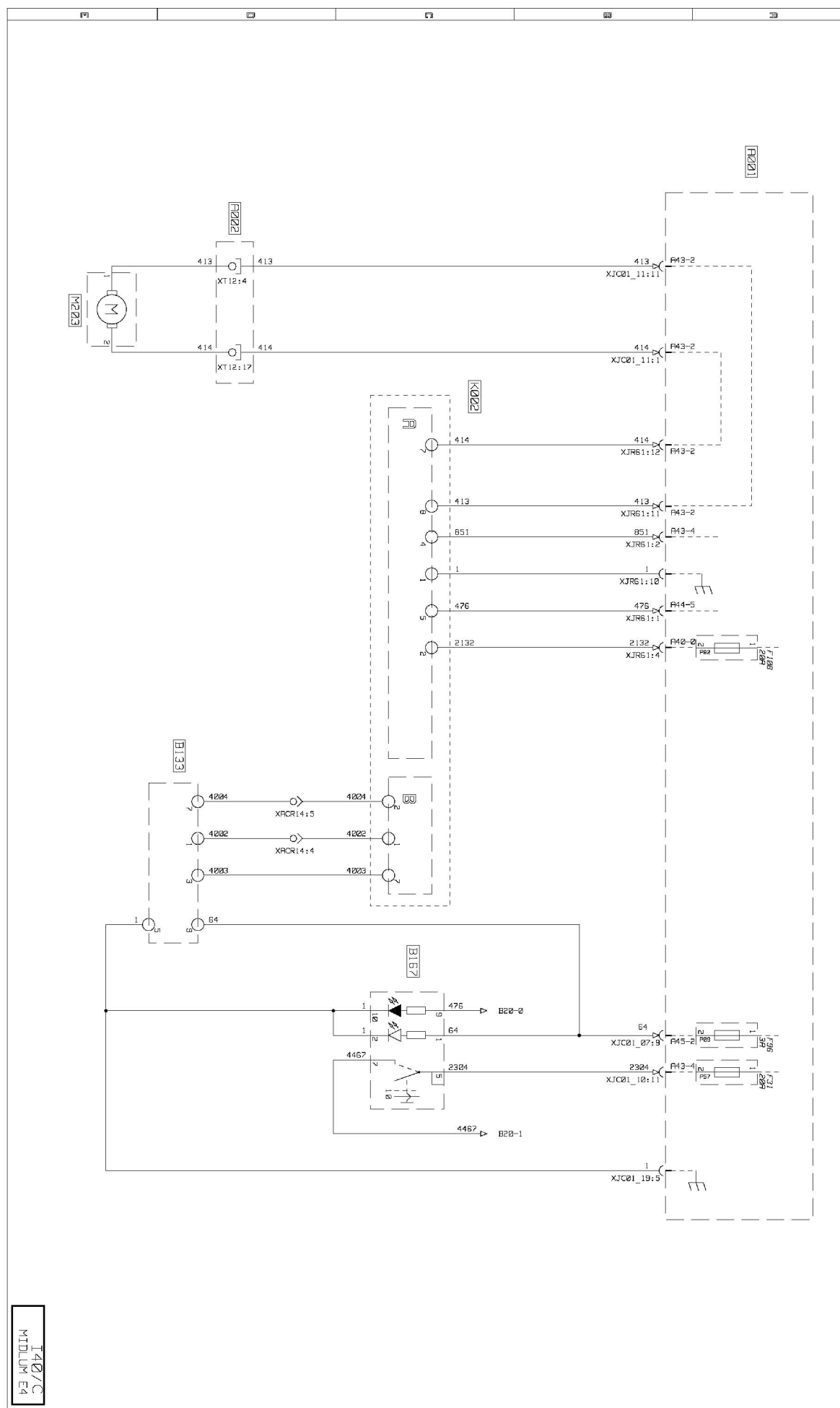
Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	A2c
A012	Voltage converter (24/12V - 10A) for audio communication system	C2a
A013	Voltage converter (24/12V - 15A) for audio communication system	C2a
A226	Available power supply (- CB)	C2a
A227	Available power supply (+ CB)	C2a
H002	Radio set antenna	C2a
H011	Front LH loudspeaker	C2a
H012	Front RH loudspeaker	A2a
H014	Radio set	C2a
H016	Compact disc player	C2a

AQ : without CD changer

AR : with CD changer

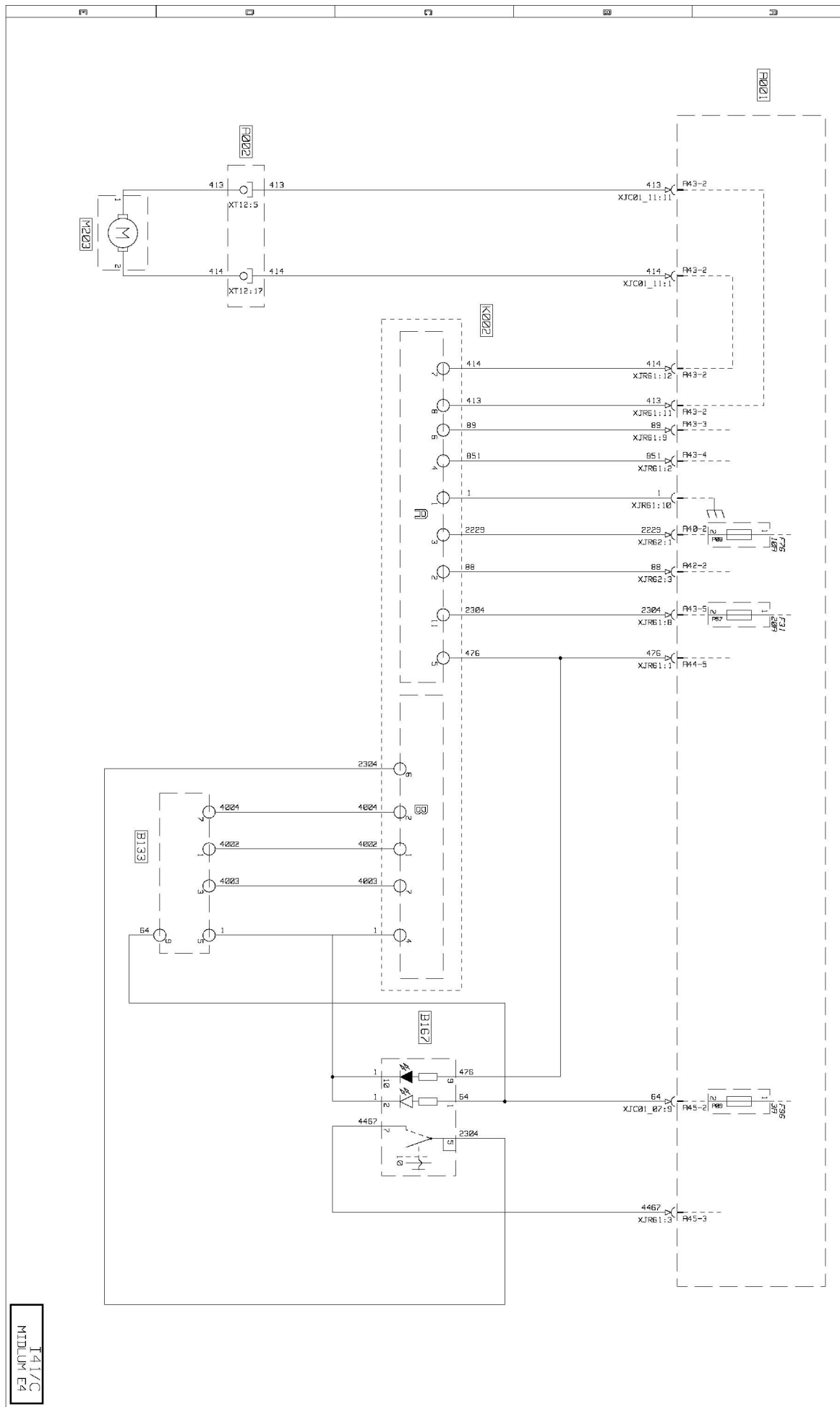
YN : for vehicles manufactured before **2016/12/05**



AT 2000ST independent heating

Key to devices

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
B133	Independent heater timer control	C3b
B167	Independent heating activation control switch	C3a
K002	Air/air night heater	B2b
M203	Night heater fuel pump motor	C4d

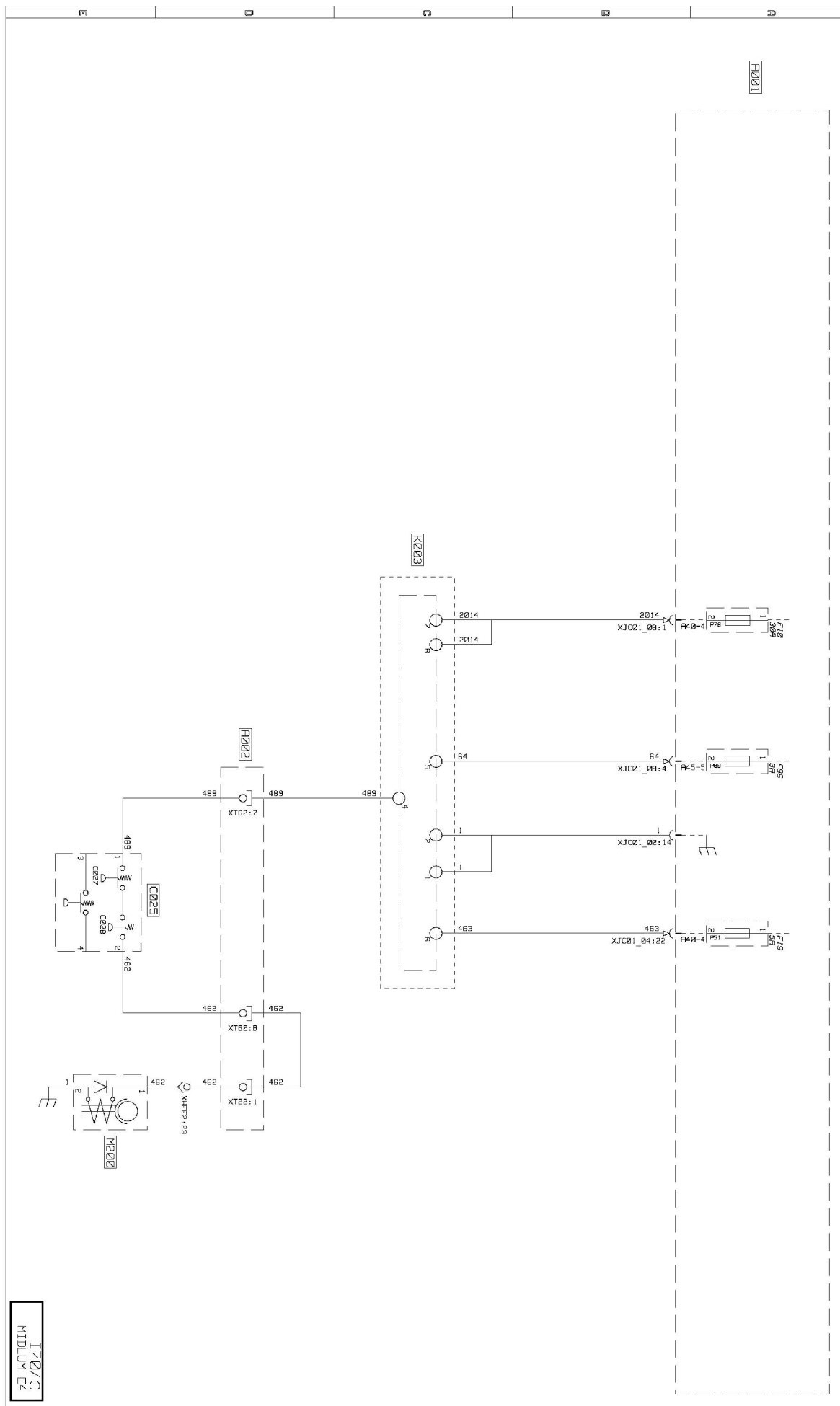


AT2000ST independent heating (ADR)

Key to devices

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
B133	Independent heater timer control	C3b
B167	Independent heating activation control switch	C3a
K002	Air/air night heater	B2b
M203	Night heater fuel pump motor	C4d

Air conditioning

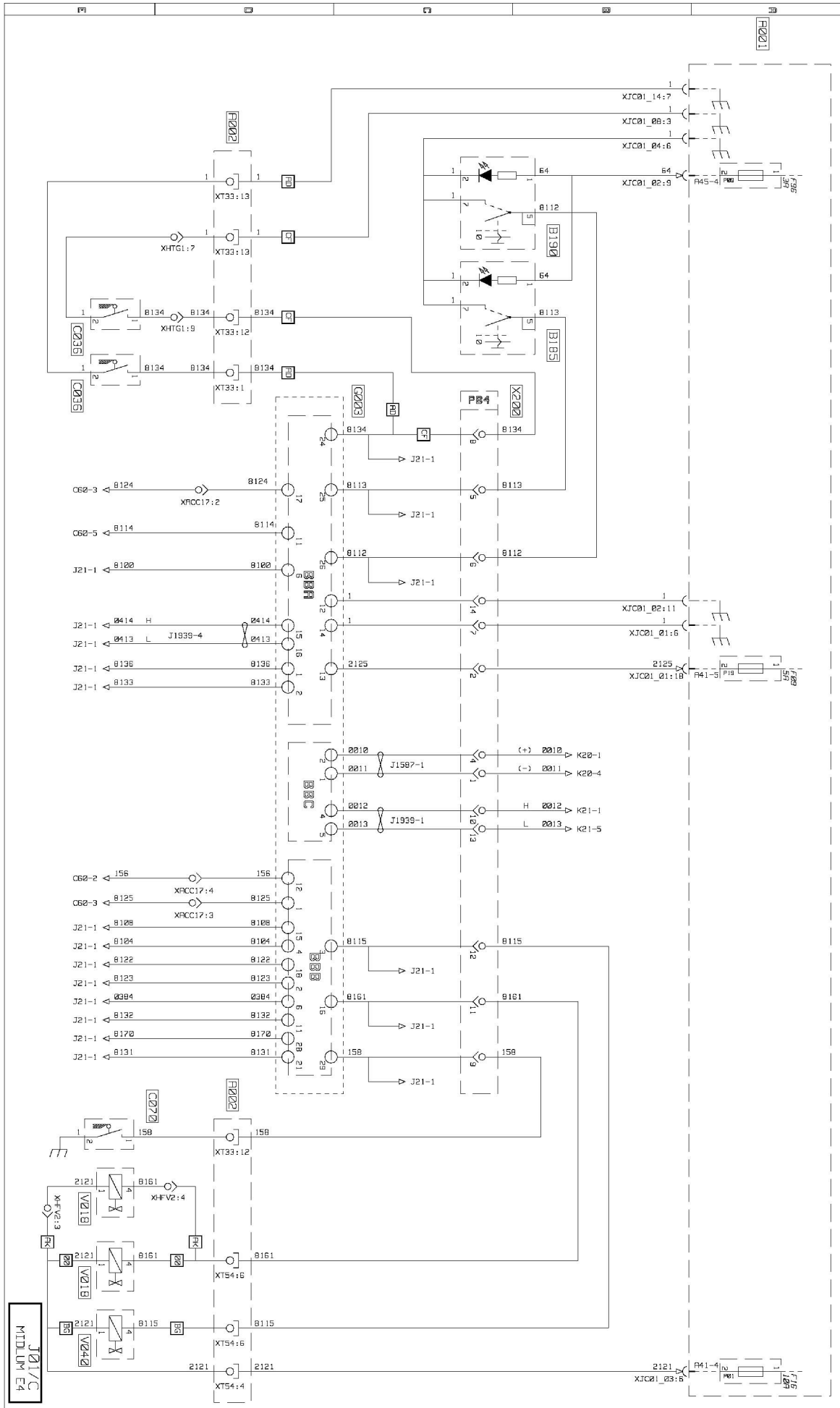


Air conditioning

Key to devices

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
C025	3-level air conditioning pressure controller	B1c
C027	Low level air conditioning pressure sensor	B1c
C028	High level air conditioning pressure sensor	B1c
K003	Air conditioning ECU	B2b
M200	Air conditioning compressor electric clutch	B3d

Body builder pre-equipment management



Body builder pre-equipment management

Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
B185	Power take-off no. 2 engagement request control (in cab)	C2c
B190	Power take-off No. 3 engagement request control (in cab)	B2b
C036	PTO No. 2 engaged information position sensor	B4d
C070	PTO No. 3 engaged information position sensor	B4d
G003	Body builder pre-equipment management control unit	A2c
V018	PTO No. 2 engagement solenoid valve	B4d
V040	PTO No. 3 engagement solenoid valve	B4d
X200	Available power supplies connector	A2c/C4d

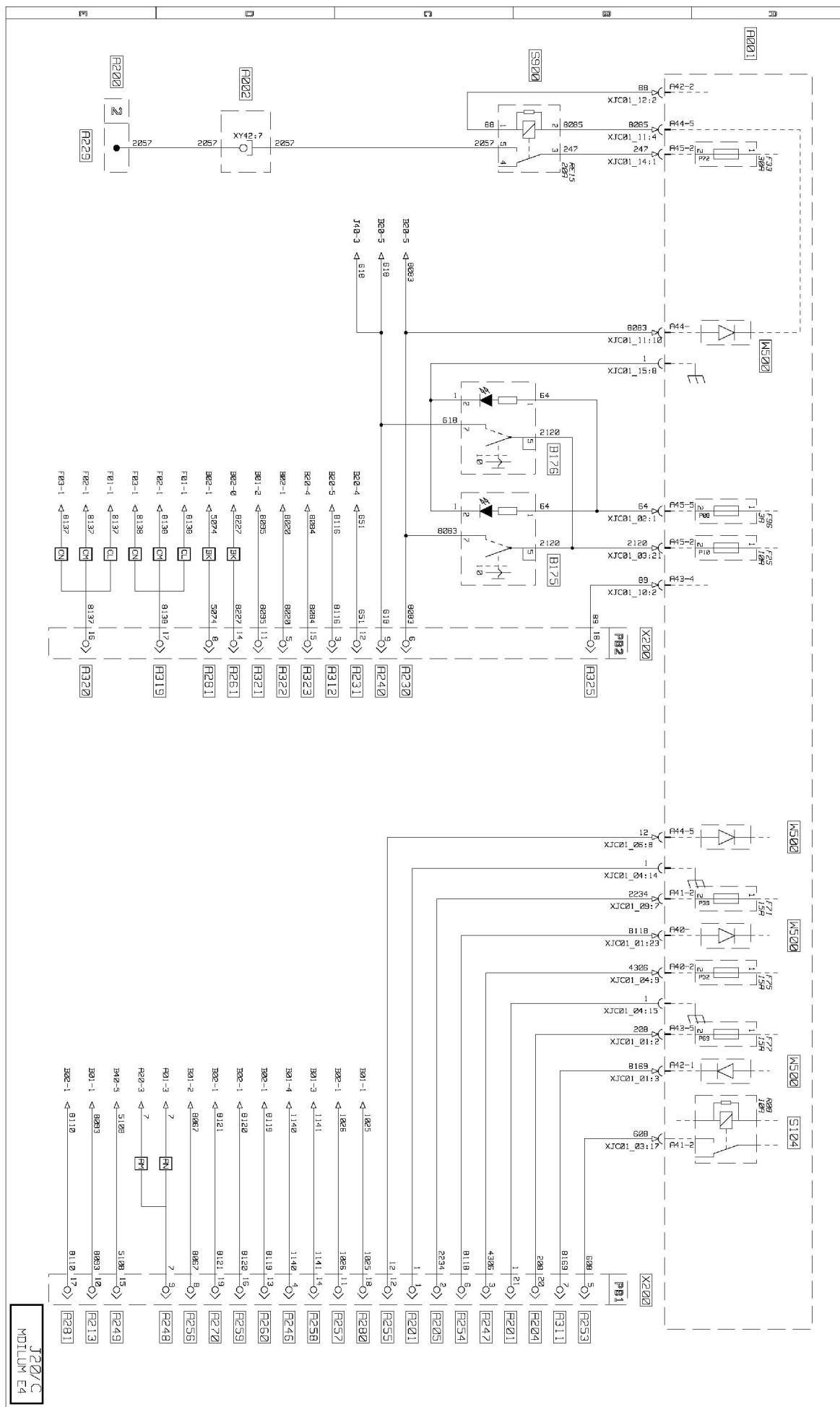
AD : with automatic gearbox

AK : with street-sweeper equipment

CF : with **ALLISON** automatic gearbox

BG : with engine-mounted or transfer box-mounted power take-off

00 : other cases of use



Available power supplies (1/2)

Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	A2c
A002	Chassis-cab connection box	A2c
A200	Available power supply (insulated wires cut)	C2a
A201	Available power supply (vehicle earth)	C2a
A204	Available power supply (after master switch)	C2a
A205	Available power supply (after ignition)	A2c/C4d
A213	Available power supply (power take-off No. 1)	A2c
A229	Available power supply (body builder equipment control)	A2c
A230	Available power supply (equipment in "road" position icon)	A2c
A231	Available power supply (equipment in "working" position icon)	A2c
A240	Available power supply (lighting)	A2c
A246	Available power supply (power take-off No. 1 control)	A2c
A247	Available power supply (alternator information, engine running)	A2c
A248	Available power supply (engine speed alternator signal)	A2c
A249	Available power supply (tachograph corrected speed information)	A2c
A253	Available power supply (reversing information)	A2c
A254	Available power supply (parking brake information)	A2c
A255	Available power supply (gearbox neutral information)	A2c
A256	Available power supply (chassis-mounted engine speed control actuation request)	A2c
A257	Available power supply (selection of engine speed No.1)	A2c
A258	Available power supply (selection of engine speed No.2)	A2c
A259	Available power supply (engine speed acceleration request)	A2c
A260	Available power supply (engine speed deceleration request)	A2c
A261	Available power supply (reversing deactivation prohibited)	A2c
A270	Available power supply (automatic return to main engine speed)	A2c
A280	Available power supply (low speed)	A2c
A281	Available power supply (engine stop control)	A2c
A311	Available power supply (PTO No. 1 engaged information)	A2c
A312	Available power supply (equipment in dangerous position)	A2c
A319	Available power supply (suspension level control)	A2c
A320	Available power supply (suspension level actuation control)	A2c
A321	Available power supply (6 km/h speed limitation)	A2c
A322	Available power supply (30 km/h speed limitation)	A2c
A323	Available power supply (alarm stop)	A2c
A325	Available power supply (night heater cut-off)	A2c
B175	Body builder pre-equipment control No. 1	C2b

B176	Body builder pre-equipment control No. 2	C2b
S104	Reversing lights power supply relay	A2c
S900	Available power supply relays (body builder equipment)	A2c
W500	Diode(s)	A2b
X200	Available power supplies connector	A2c/C4d

AM : with **ADR** equipment

AN : without **ADR** equipment

BK : with engine speed regulation and **Cruise Control** at steering wheel

CL : with rear electronic air suspension, 1 sensor (vehicle weight less than **18 t**)

CM : with full electronic air suspension (vehicle weight less than **18 t**)

CN : with rear electronic air suspension and full air suspension (vehicle weight less than **18 t**)

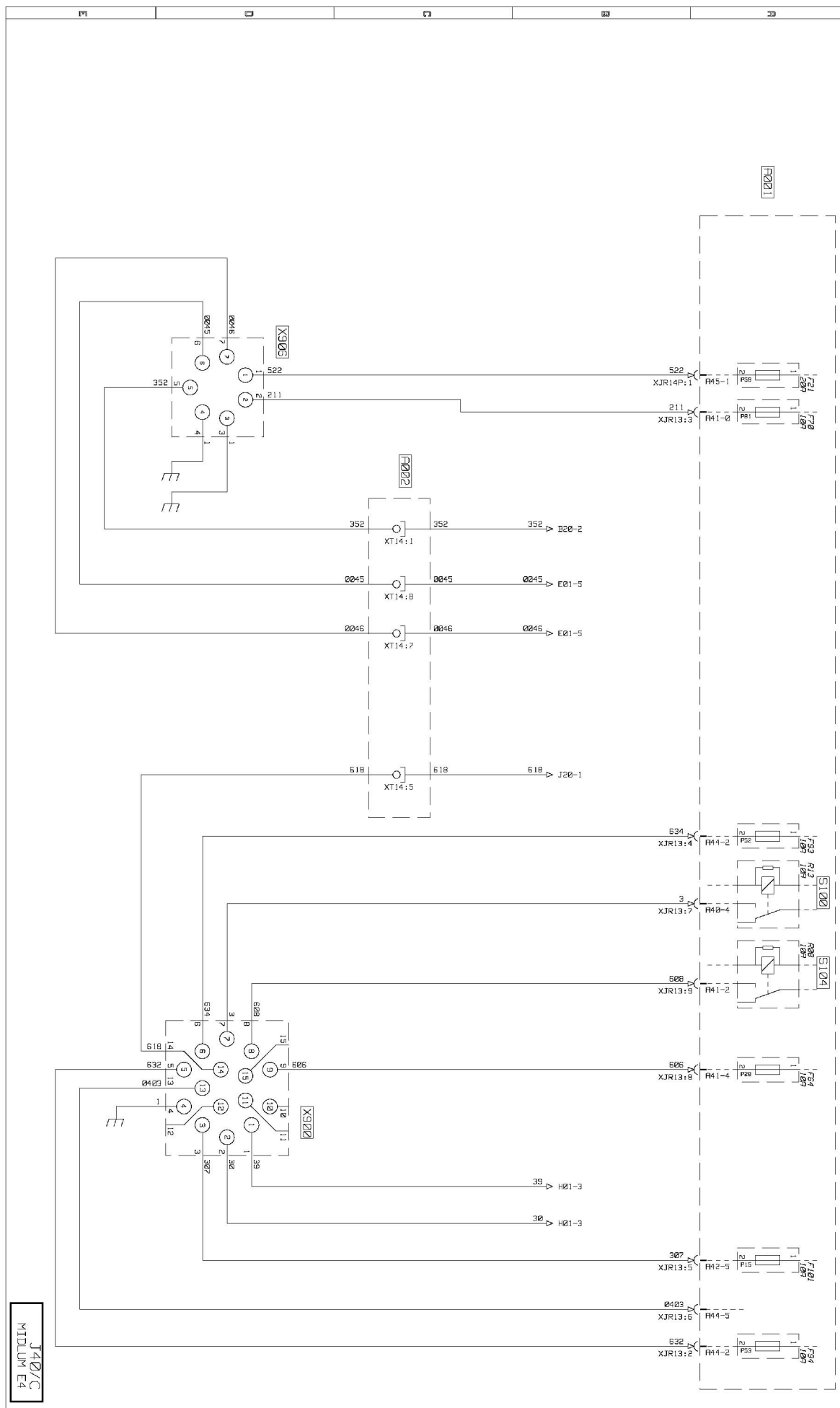


Available power supplies (2/2)

Equipment key

Code	Title of the function	Location
A001	Electrical distribution box in cab	A2c
A200	Available power supply (insulated wires cut)	C2a
A201	Available power supply (vehicle earth)	C2a
A204	Available power supply (after master switch)	C2a
A205	Available power supply (after ignition)	A2c/C4d
A212	Available power supply (engine speed)	A2c
A250	Available power supply (power take-off No. 2 control)	A2c
A251	Available power supply (power take-off No. 2 warning light)	A2c
A252	Available power supply (power take-off No. 2 control solenoid valve)	A2c
A282	Available power supply (engine start control)	A2c
A283	Available power supply (engine starting information)	A2c
A284	Available power supply (engine warning)	A2c
A285	Available power supply (configurable frequency-related output)	A2c
A286	Available power supply (PLC 2 min. output)	A2c
A287	Available power supply (PLC 1 min. output)	A2c
A288	Available power supply (PLC 1 min. input)	A2c
A289	Available power supply (PLC 2 min. input)	C4d
A290	Available power supply (CAN BUS J1939 high level)	C4d
A291	Available power supply (CAN BUS J1939 low level)	A2c
A294	Available power supply (LH rear marker light(s))	A2c
A295	Available power supply (RH rear marker light(s))	A2c
A297	Available power supply (night lighting)	A2c
A313	Available power supply (CAN bus disabling)	A2c
A314	Available power supply (engine speed set-point validation)	A2c
A315	Available power supply (PTO 3 solenoid valve piloting)	A2c
A317	Available power supply (power take-off No. 3 control)	A2c
A318	Available power supply (power take-off No. 3 warning light)	A2c
A324	Available power supply (rigid perimetric protection module)	C4d
X200	Available power supplies connector	A2c/C4d

Trailer connectors

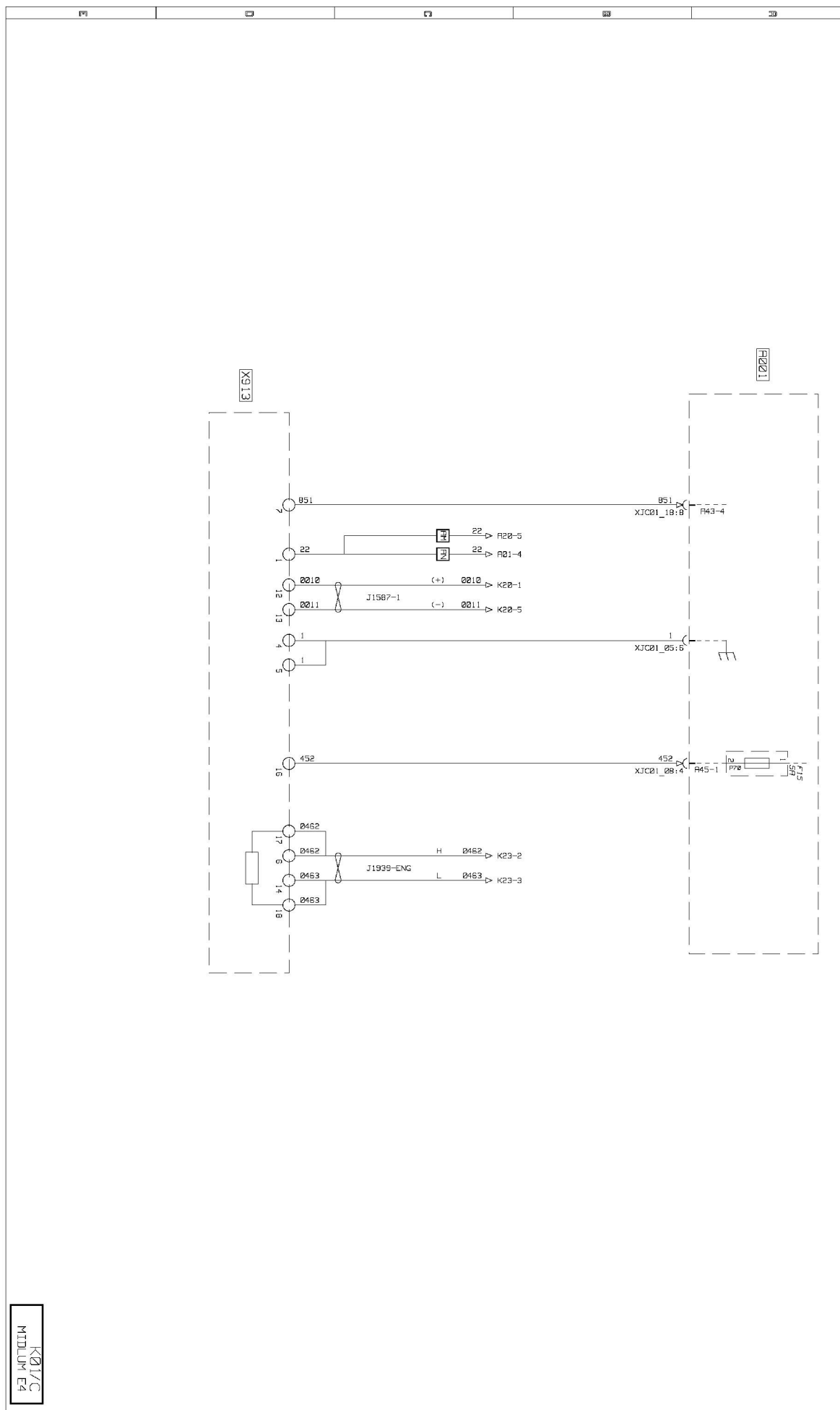


Trailer connectors

Key to devices

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
S100	Brake lights power supply relay	B2c
S104	Reversing lights power supply relay	B2c
X900	15-pin trailer socket	B4b
X906	ABS/EBS trailer socket	B4b

Data link connectors



Data link connectors

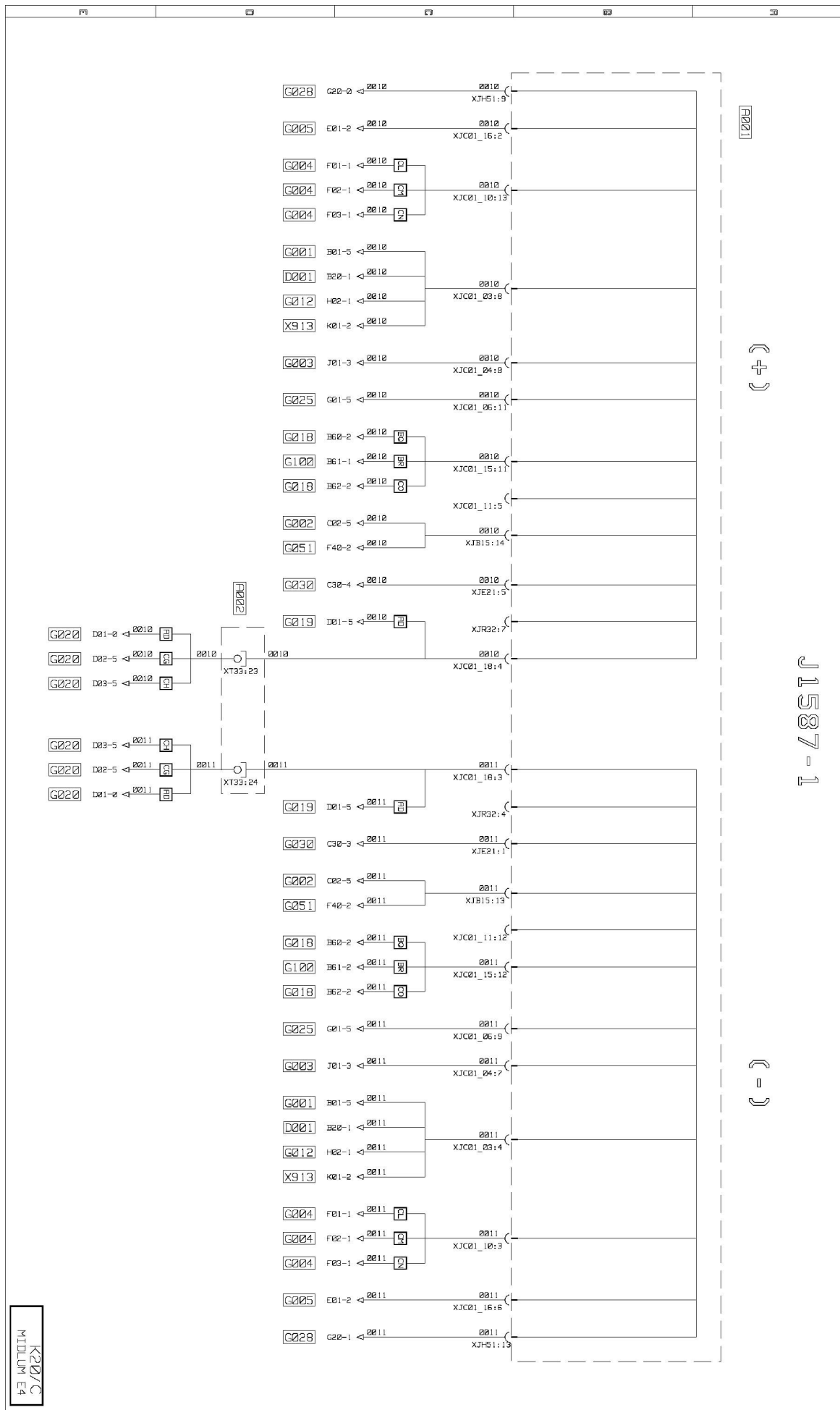
Key to devices

Code	Title of the function	Location
A001	Electrical distribution box in cab	A2c
X913	Vehicle diagnostic socket	C2c

AM : with **ADR** equipment

AN : without **ADR** equipment

J1587-1 CAN bus transfer zone



J1587-1 CAN bus transfer zone

Key to devices

Code	Title of the function	Location
A001	Electrical distribution box in cab	B2c
A002	Chassis-cab connection box	B2c
D001	Main information display	C2b
G001	Vehicle management control unit	B2b
G002	Engine management ECU	B3b
G003	Body builder pre-equipment management control unit	B2b
G004	Air suspension control unit	B2b
G005	EBS management control unit	B2b
G012	Lighting and signalling management control unit	B2c
G018	On-board management interface control unit	B2b
G019	Gear selector control unit	B2c
G020	Automatic transmission ECU	B2b
G025	Engine immobiliser ECU	C2c
G028	Doors central locking ECU	A2a
G030	Urea supply management pump module	C4d
G051	Air production management ECU	C4d
G100	DATAMAX GATEWAY ECU	B2b
X913	Vehicle diagnostic socket	C4c

AD : with automatic gearbox

BQ : with **FMS** equipment

BR : with **INFOMAX** equipment from week **37** of **2008**

CG : with **ALLISON 3000V** automatic gearbox

CH : with **ALLISON S2000** automatic gearbox

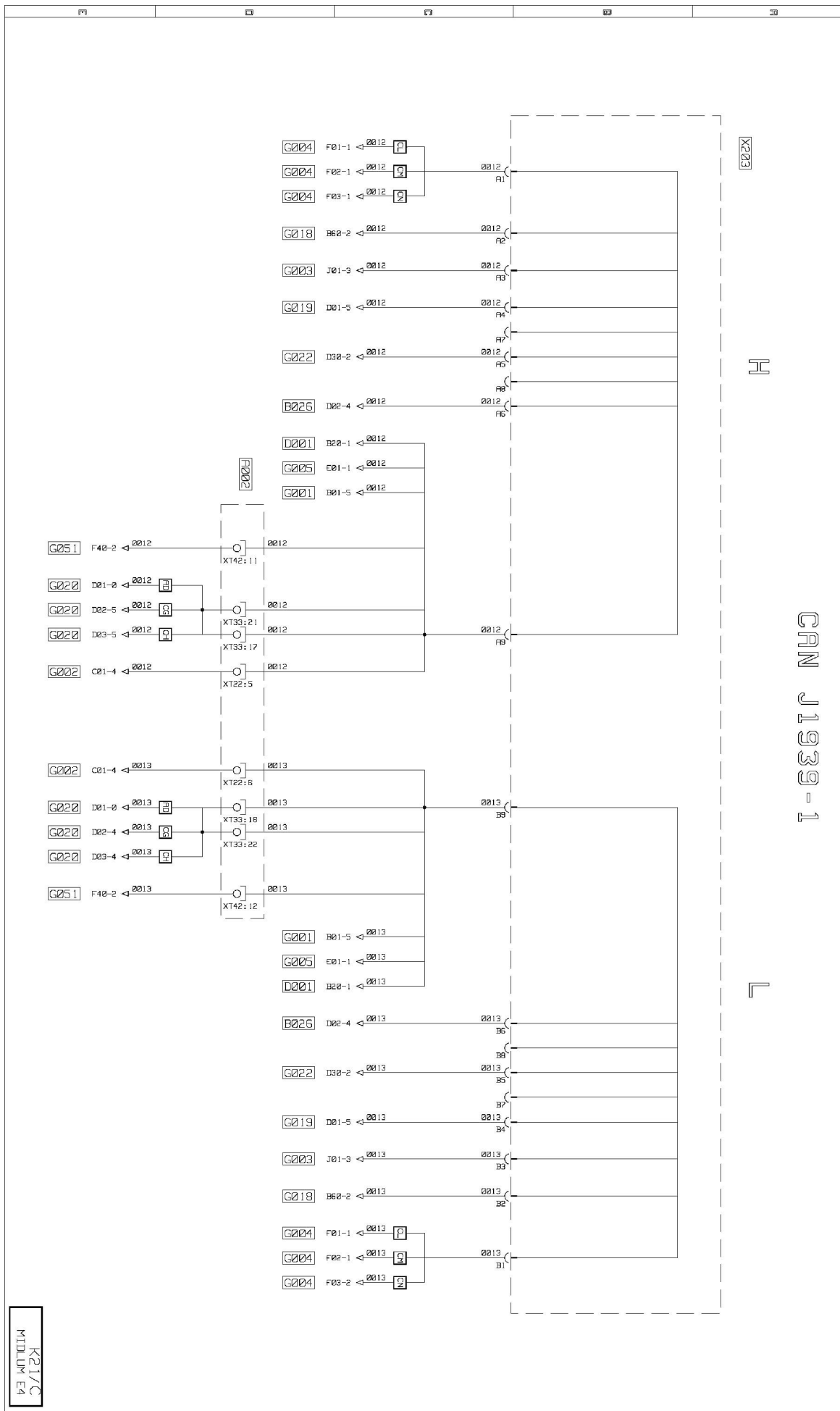
CL : with rear electronic air suspension, **1** sensor (vehicle weight less than **18 t**)

CM : with full electronic air suspension (vehicle weight less than **18 t**)

CN : with rear electronic air suspension and full air suspension (vehicle weight less than **18 t**)

CO : with **OPTIFLEET** equipment

J1939-1 CAN bus transfer zone



J1939-1 CAN bus transfer zone

Equipment key

Code	Title of the function	Location
A002	Chassis-cab connection box	B2c
B026	Automatic transmission gear selector	B2b
D001	Main information display	C2b
G001	Vehicle management control unit	B2b
G002	Engine management ECU	B2b
G003	Body builder pre-equipment management control unit	B2b
G004	Air suspension control unit	B2b
G005	EBS management control unit	B2b
G018	On-board management interface control unit	B2b
G019	Gear selector control unit	B3c
G020	Automatic transmission ECU	B2b
G022	Electric retarder control unit	B3c/B4d
G051	Air production management ECU	C4d
X203	CAN bus grouping connector	A2c

AD : with automatic gearbox

CG : with **ALLISON 3000V** automatic gearbox

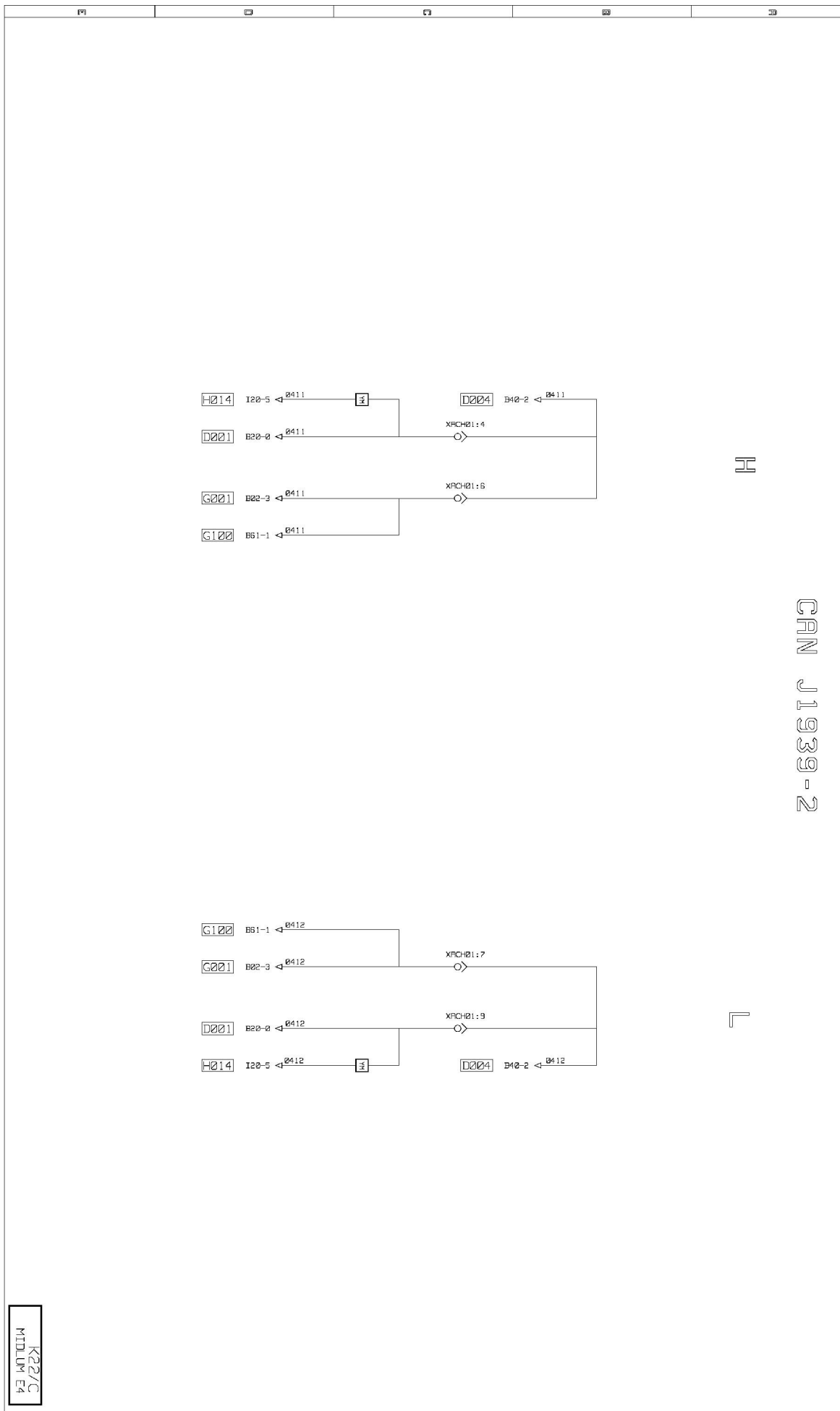
CH : with **ALLISON S2000** automatic gearbox

CL : with rear electronic air suspension, **1** sensor (vehicle weight less than **18 t**)

CM : with full electronic air suspension (vehicle weight less than **18 t**)

CN : with rear electronic air suspension and full air suspension (vehicle weight less than **18 t**)

J1939-2 CAN bus transfer zone



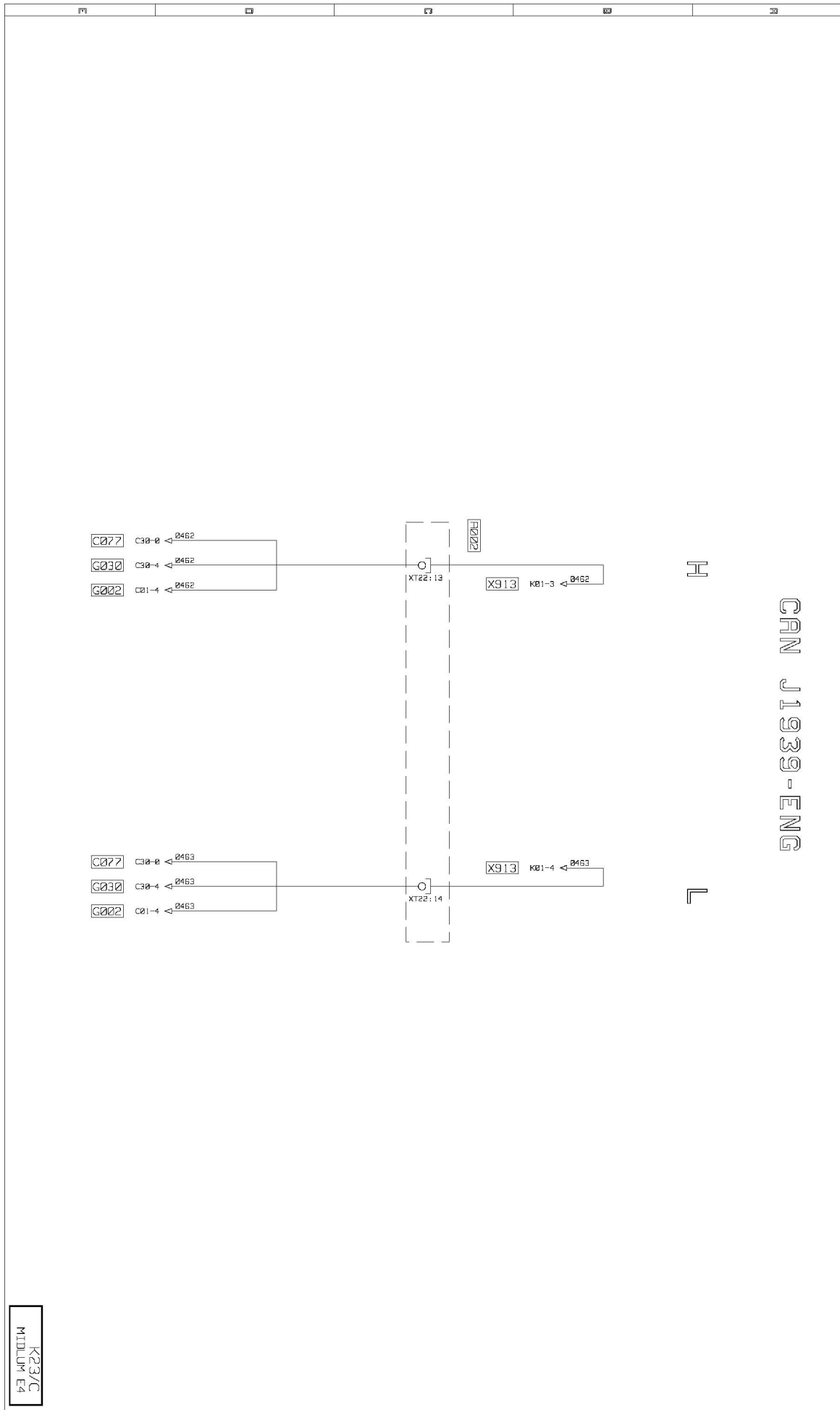
J1939-2 CAN bus transfer zone

Equipment key

Code	Title of the function	Location
D001	Main information display	C2b
D004	Tachograph	C2a
G001	Vehicle management control unit	A2b
G100	DATAMAX GATEWAY ECU	A2b
H014	Radio set	C2a

YM : for vehicles manufactured after **2016/12/04**

J1939-ENG CAN bus transfer zone



J1939-ENG CAN bus transfer zone

Equipment key

Code	Title of the function	Location
A002	Chassis-cab connection box	A2c
C077	Nitrogen oxide concentration sensor	C4d
G002	Engine management ECU	B3b
G030	Urea supply management pump module	C4d
X913	Vehicle diagnostic socket	C2c

EQUIPMENT LOCATIONS

Summary of locations

Distribution box

See page 134

CAN bus interconnection

See page 136

Vehicle electronic management

See page 138

Urea addition management (1/2)

See page 140

Urea addition management (2/2)

See page 142

DXi 5 engine electronic management (1/2)

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DXi 5 engine electronic management (2/2)

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Layout of equipment on the DXi 5 engine

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DXi 7 engine electronic management (1/2)

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DXi 7 engine electronic management (2/2)

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Layout of equipment on the DXi 7 engine

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Electrical retarder (1/2)

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Electrical retarder (2/2)

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Air suspension

See page 160

4x2 rear electronic air suspension - 1C (<18 t)

See page 162

4x2 rear electronic air suspension - 2C (≥18 t)

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4x2 integral electronic air suspension

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EBS equipment

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EBS 4x2 equipment (1/2)

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EBS 4x2 equipment (2/2)

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EBS 4x4 equipment (1/3)

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EBS 4x4 equipment (2/3)

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EBS 4x4 equipment (3/3)

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S2000/3000V gearbox

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S2000 gearbox

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3000V gearbox

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6AS800/6AS1000 gearbox (1/4)

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6AS800/6AS1000 gearbox (2/4)

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6AS800/6AS1000 gearbox (3/4)

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6AS800/6AS1000 gearbox (4/4)

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Radio (1/2)

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Radio (2/2)

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AT 2000ST independent heating

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TTU/TGW control units

See page 200

Electronic engine immobiliser

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Alarm (1/2)

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Alarm (2/2)

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Lighting and signalling management

See page 208

Door management

See page 210

Bodywork pre-equipment and fittings

See page 212

Earths (1/2)

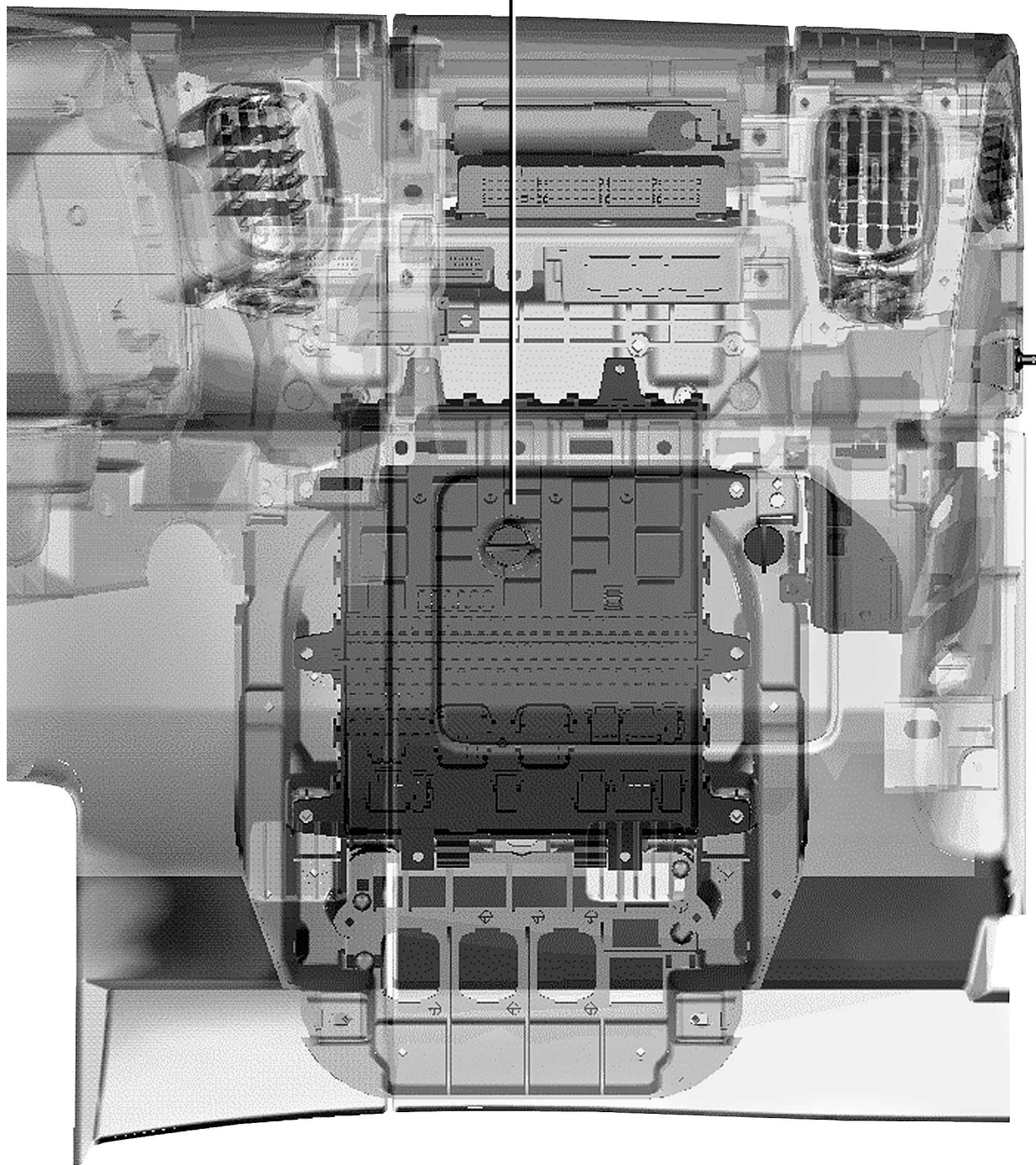
See page 214

Earths (2/2)

See page 216

Distribution box

A001



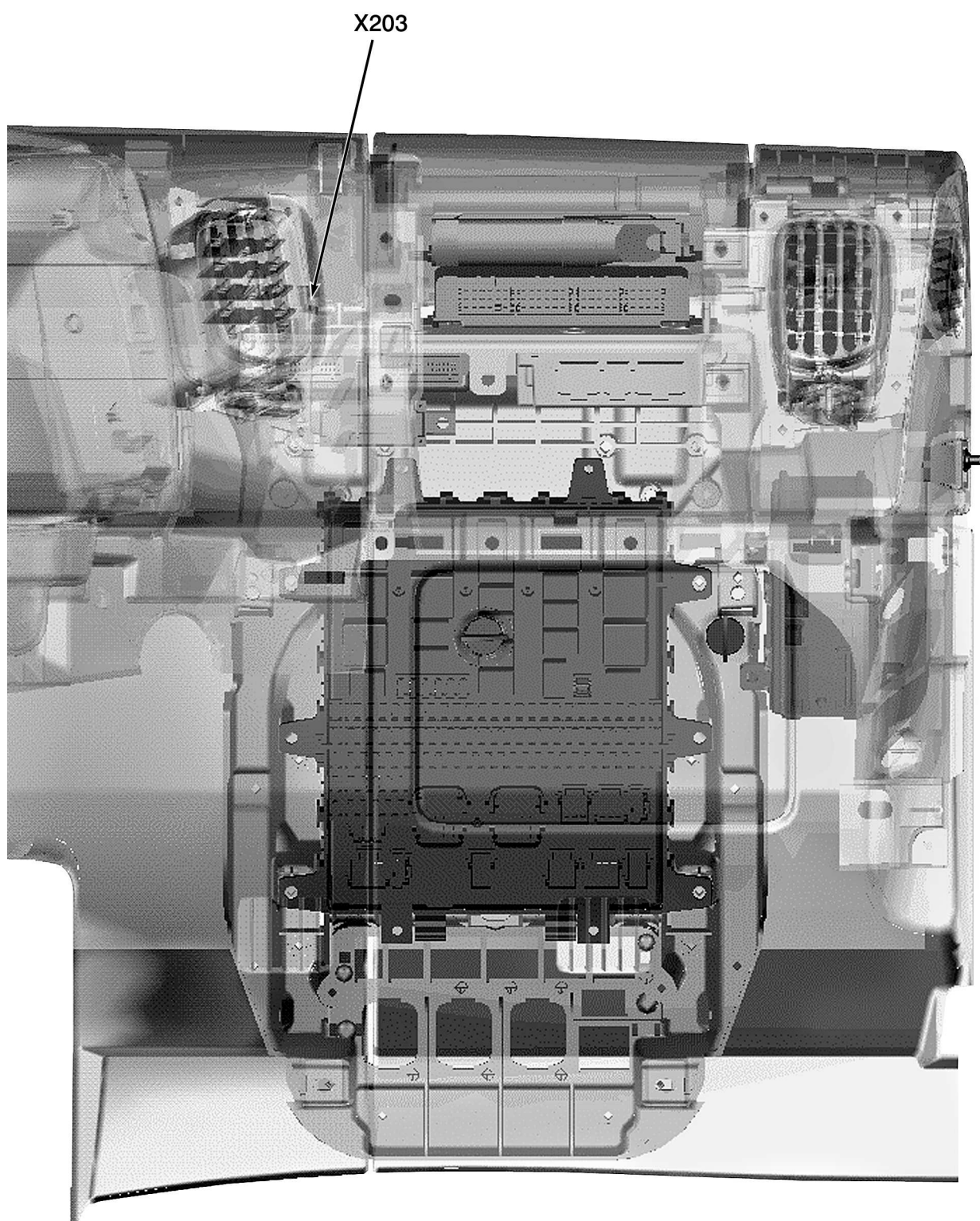
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Distribution box

Equipment key

Code	Title of the function	Diagram page No.
A001	Electrical distribution box in cab	-

CAN bus interconnection



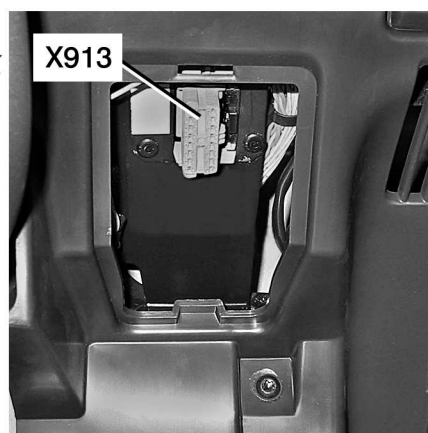
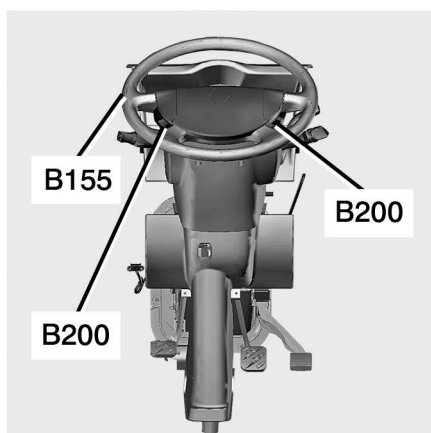
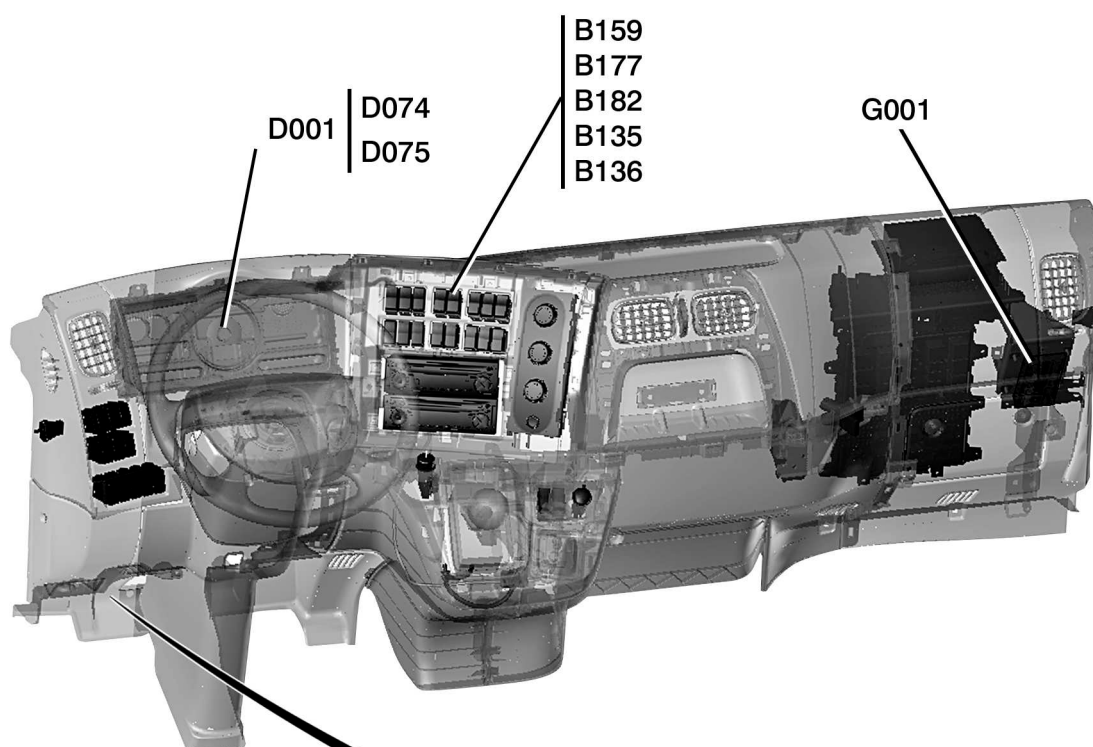
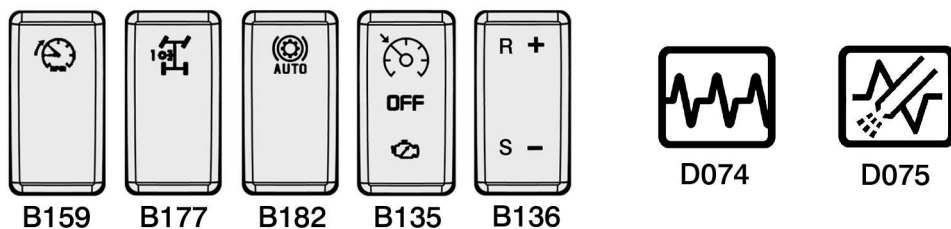
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CAN bus interconnection

Equipment key

Code	Title of the function	Diagram page No.
X203	CAN bus grouping connector	K21

Vehicle electronic management



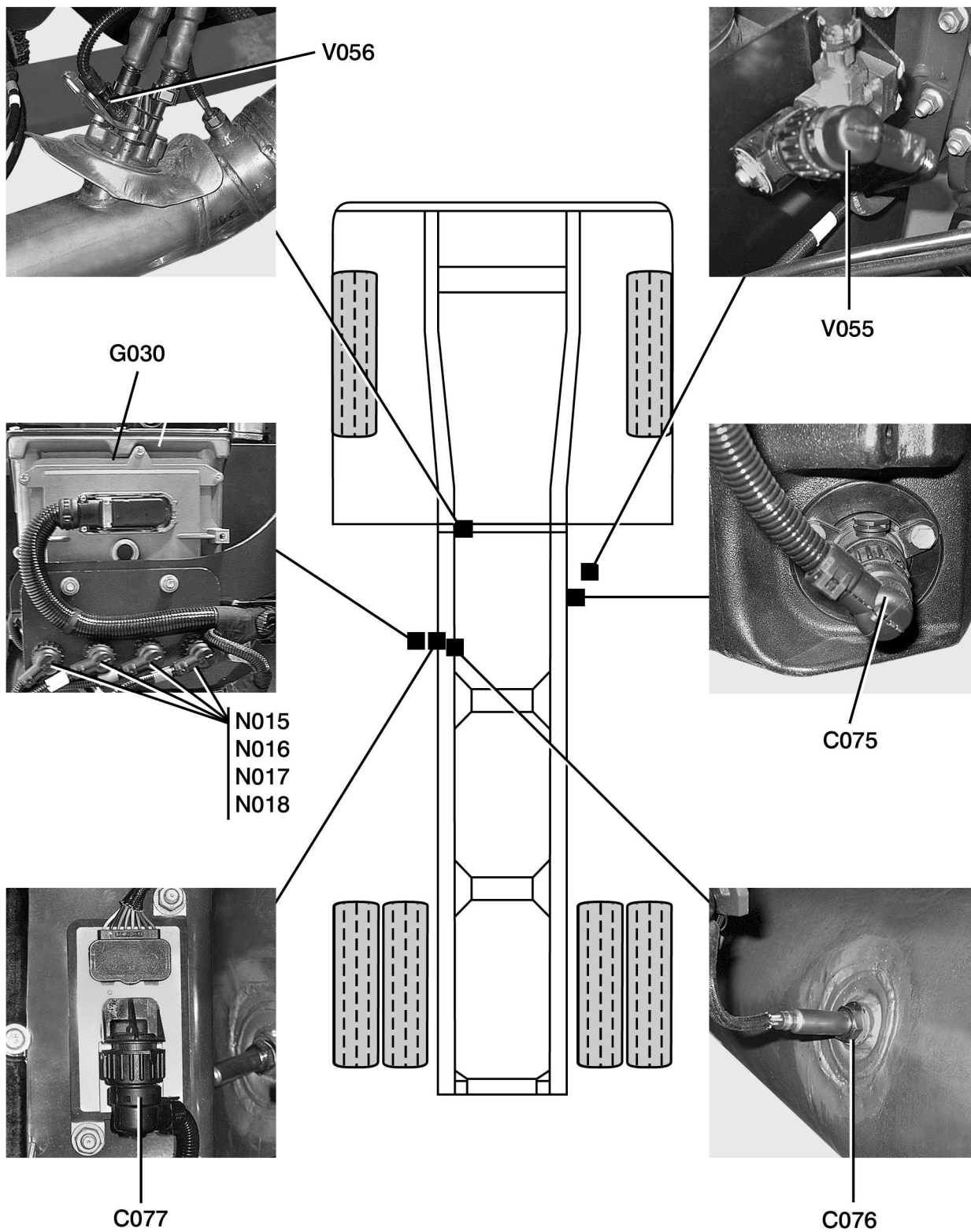
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Vehicle electronic management

Equipment key

Code	Title of the function	Diagram page No.
B135	Cruise control and engine speed regulator actuating control	B02
B136	Cruise control and engine speed regulator adjustment control	B02
B155	Hydraulic or electric retarder control	B01
B159	Engine speed set-point control for difficult terrain	B01
B177	Power take-off no. 1 engagement request control (in cab)	B01
B182	Auto/manual selection control	B01
B200	Controls for cruise control	B02
D001	Main information display	B20
D074	"ALERT" warning light (vehicle electronics)	-
D075	"INFORMATION" warning light (vehicle electronic faults)	-
G001	Vehicle management control unit	B01/B02
X913	Vehicle diagnostic socket	K01

Managing the urea supply (1/2)



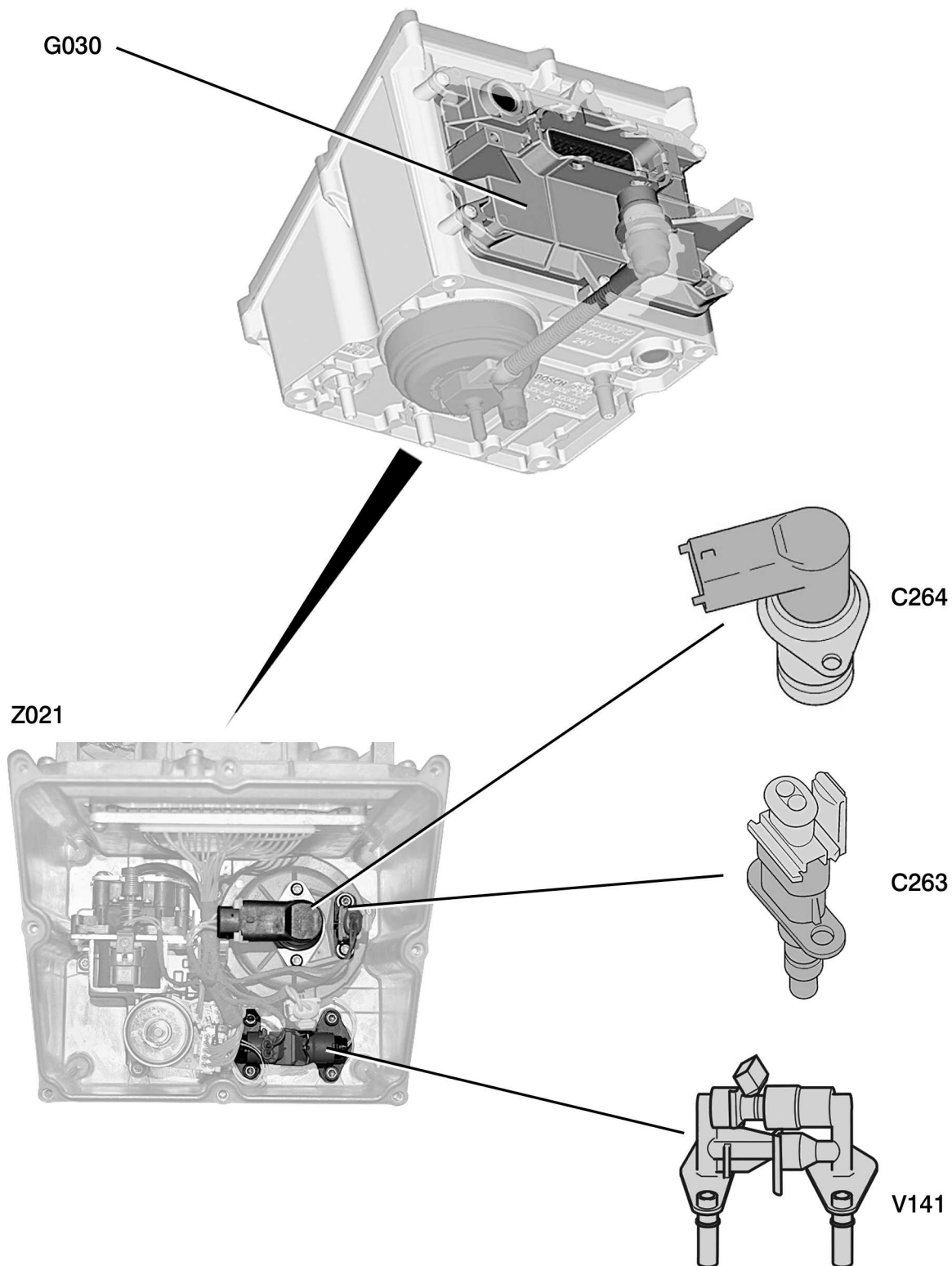
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Managing the urea supply (1/2)

Equipment key

Code	Title of the function	Diagram page No.
C075	Urea level and temperature sensors inside the tank	C30
C076	Exhaust gas temperature sensor	C30
C077	Nitrogen oxide concentration sensor	C30
G030	Urea supply management pump module	C30
N015	Urea heating resistor (in tank to pump module circuit)	C30
N016	Urea heating resistor (in pump module to tank circuit)	C30
N017	Urea heating resistor (in pump module to metering solenoid valve circuit)	C30
N018	Urea heating resistor (in the metering solenoid valve to pump module circuit)	C30
V055	Engine coolant circuit by-pass solenoid valve	C30
V056	Urea supply metering solenoid valve	C30

Managing the urea supply (2/2)



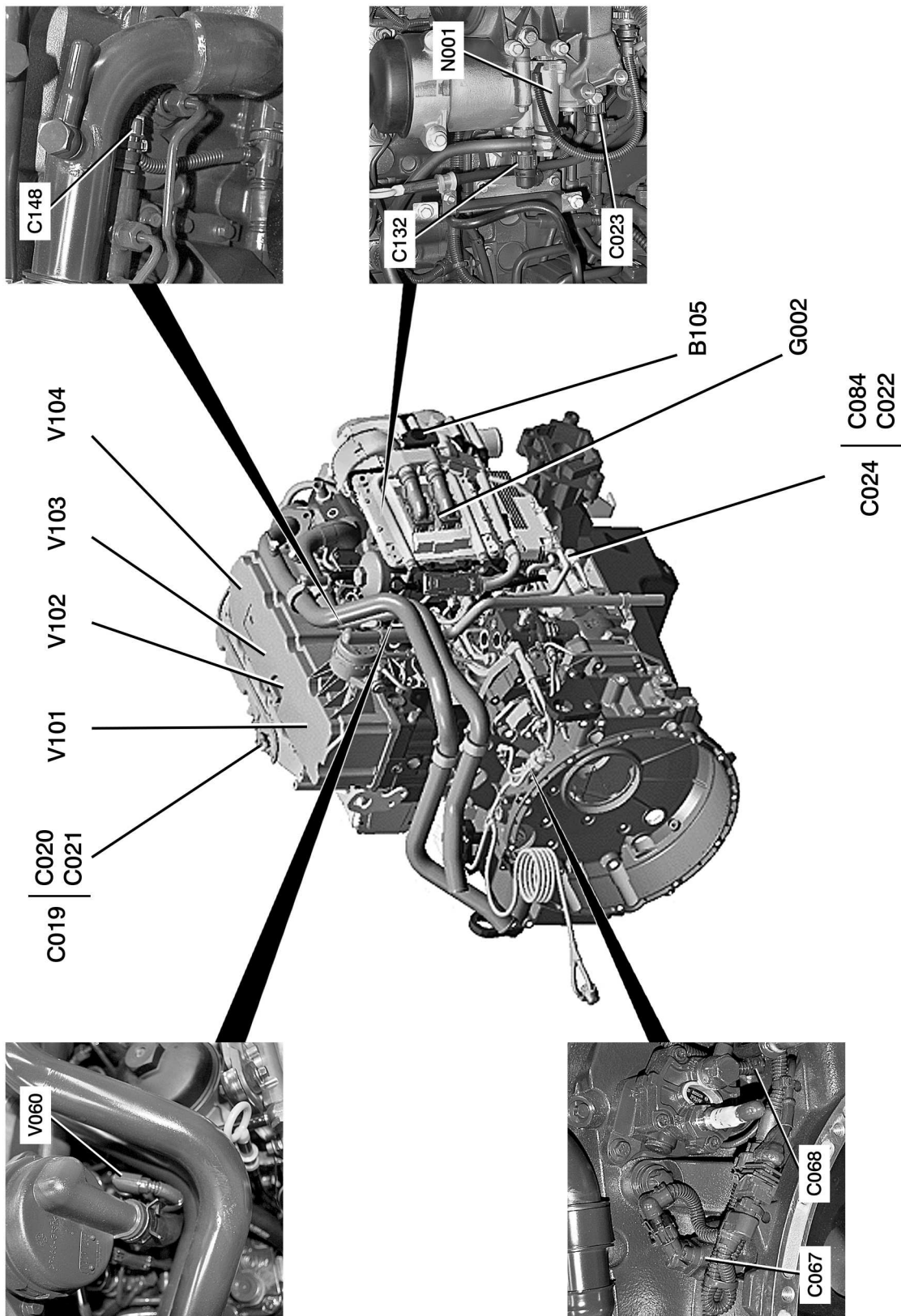
T3117885

Managing the urea supply (2/2)

Equipment key

Code	Title of the function	Diagram page No.
C263	Internal urea temperature sensor	C30
C264	Internal urea pressure sensor	C30
G030	Urea supply management pump module	C30
V141	Urea cooling solenoid valve	C30
Z021	Urea pump module assembly	C30

DXi 5 engine electronic management (1/2)



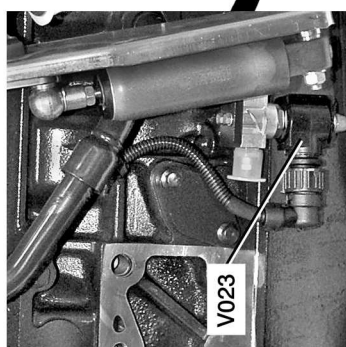
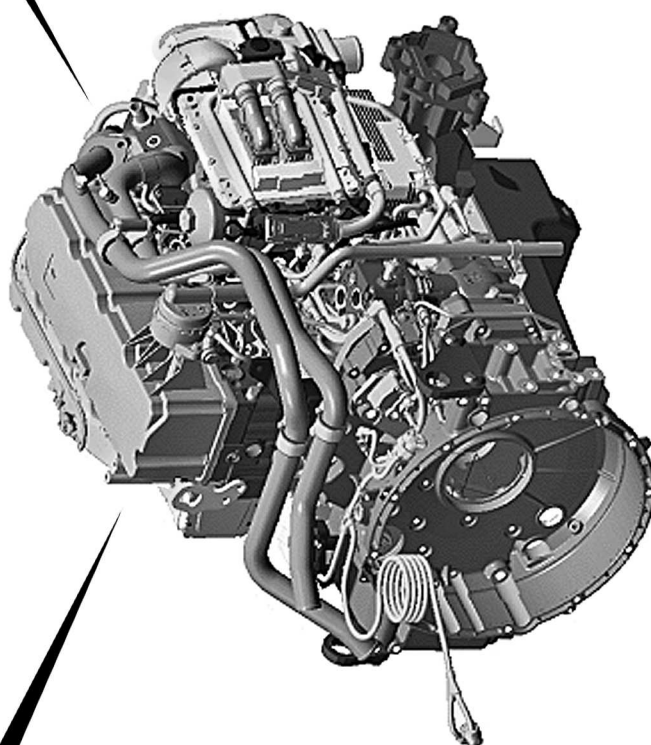
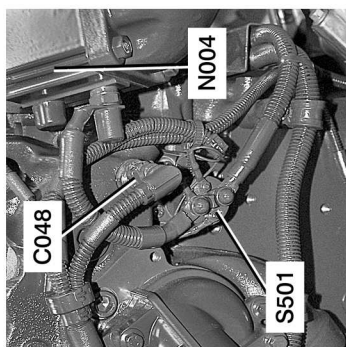
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DXi 5 engine electronic management (1/2)

Equipment key

Code	Title of the function	Diagram page No.
B105	Engine stop control	C02
C019	Boost air pressure and temperature sensor	C02
C020	Boost air temperature sensor	C02
C021	Boost air pressure sensor	C02
C022	Engine oil level sensor	C02
C023	Engine oil pressure sensor	C01
C024	Engine oil level and pressure sensor unit	C02
C067	Engine speed sensor on engine flywheel	C02
C068	Engine speed sensor on camshaft	C02
C084	Engine oil temperature sensor	C02
C132	Engine boost pressure sensor	C01
C148	Fuel high pressure sensor	C02
G002	Engine management ECU	C01/C02
N001	Fuel heater resistor No.2	C01
V060	High-pressure pump solenoid valve	C02
V101	No. 1 cylinder injector solenoid valve	C02
V102	No. 2 cylinder injector solenoid valve	C02
V103	No. 3 cylinder injector solenoid valve	C02
V104	No. 4 cylinder injector solenoid valve	C02

DXi 5 engine electronic management (2/2)



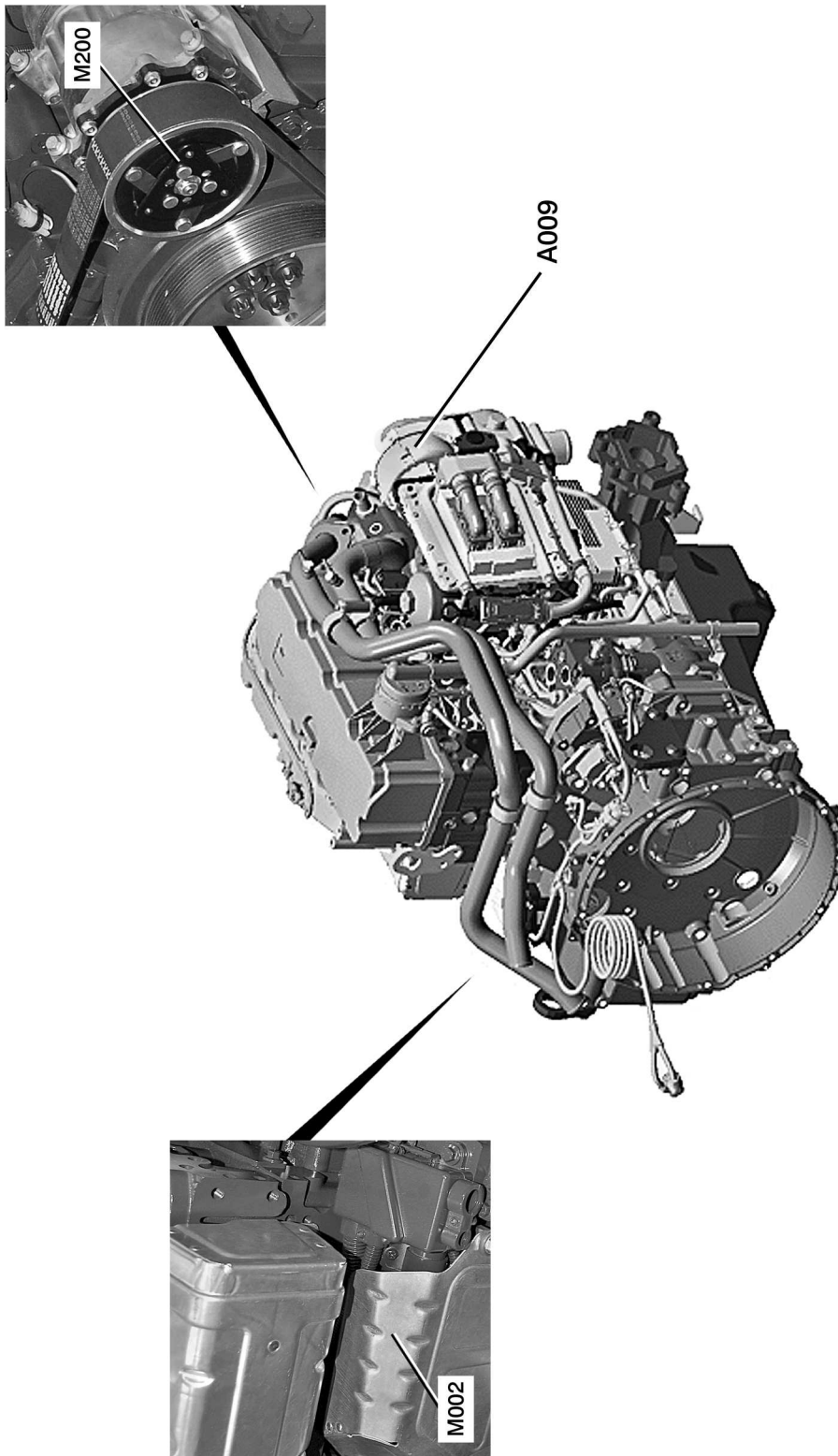
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DXi 5 engine electronic management (2/2)

Equipment key

Code	Title of the function	Diagram page No.
C048	Engine cooling system temperature sensor	C01
N004	Air preheating resistor	C01
S501	Air preheating relay	C01
V023	Engine brake solenoid valve	C01

Layout of equipment on the DXi 5 engine



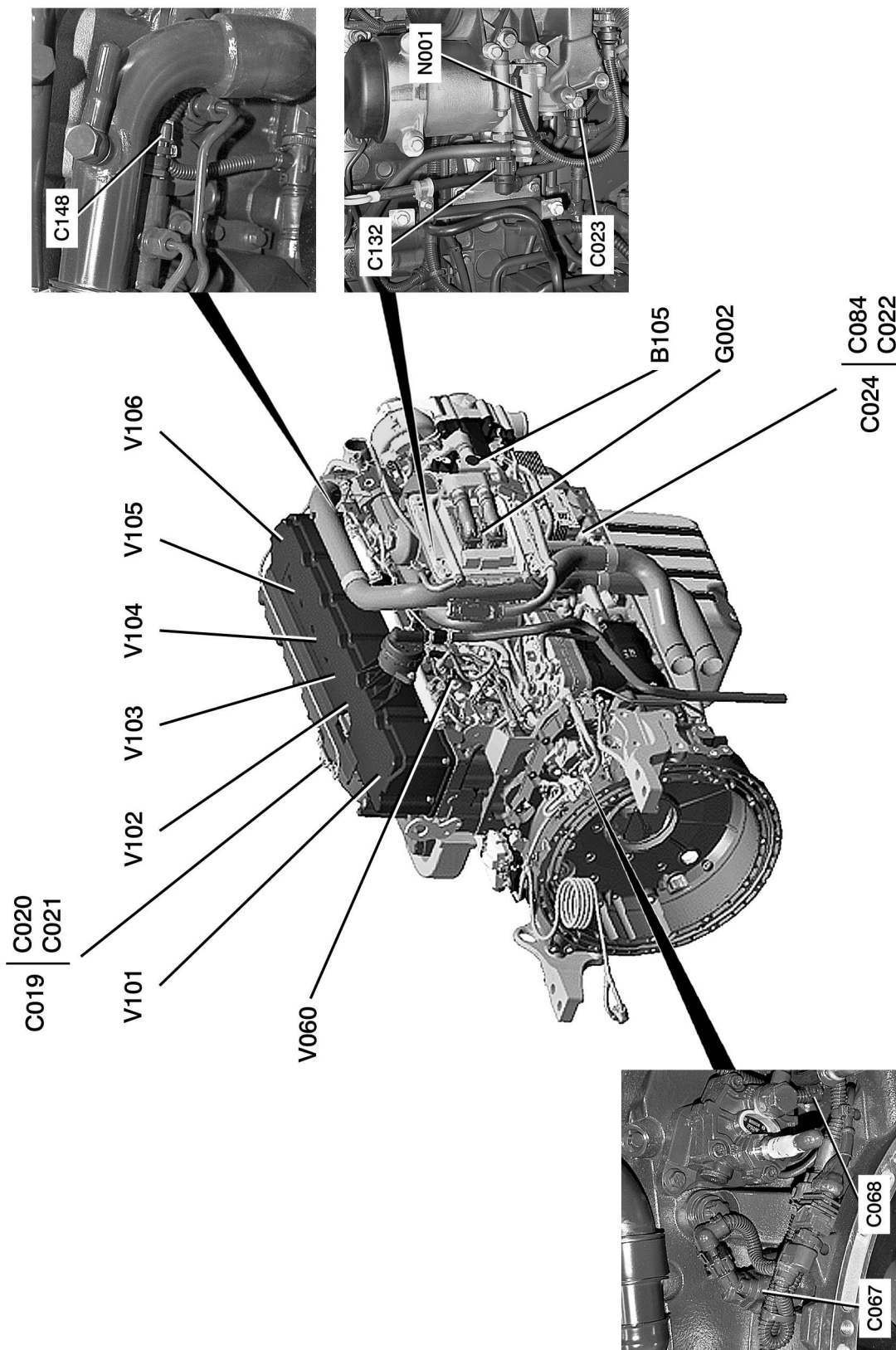
T3117888

Layout of equipment on the DXi 5 engine

Key to devices

Code	Title of the function	Diagram page No.
A009	Alternator	A01/A20
M002	Starter	A01/A20
M200	Air conditioning compressor electric clutch	I70

DXi 7 engine electronic management (1/2)



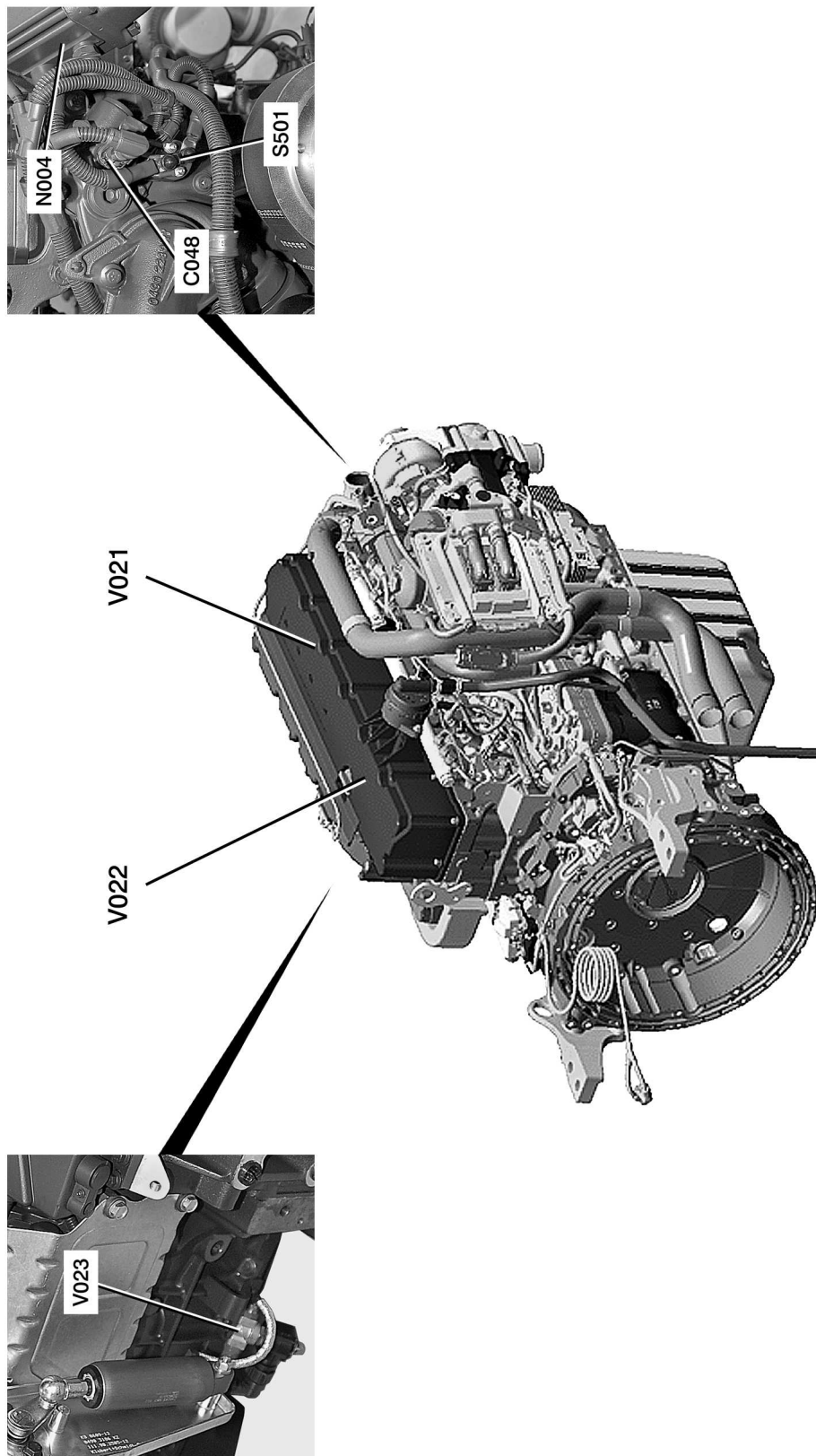
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DXi 7 engine electronic management (1/2)

Equipment key

Code	Title of the function	Diagram page No.
B105	Engine stop control	C02
C019	Boost air pressure and temperature sensor	C02
C020	Boost air temperature sensor	C02
C021	Boost air pressure sensor	C02
C022	Engine oil level sensor	C02
C023	Engine oil pressure sensor	C01
C024	Engine oil level and pressure sensor unit	C02
C067	Engine speed sensor on engine flywheel	C02
C068	Engine speed sensor on camshaft	C02
C084	Engine oil temperature sensor	C02
C132	Engine boost pressure sensor	C01
C148	Fuel high pressure sensor	C02
G002	Engine management ECU	C01/C02
N001	Fuel heater resistor No.2	C01
V060	High-pressure pump solenoid valve	C02
V101	No.1 cylinder injector solenoid valve	C02
V102	No.2 cylinder injector solenoid valve	C02
V103	No.3 cylinder injector solenoid valve	C02
V104	No.4 cylinder injector solenoid valve	C02
V105	No.5 cylinder injector solenoid valve	C02
V106	No.6 cylinder injector solenoid valve	C02

DXi 7 engine electronic management (2/2)



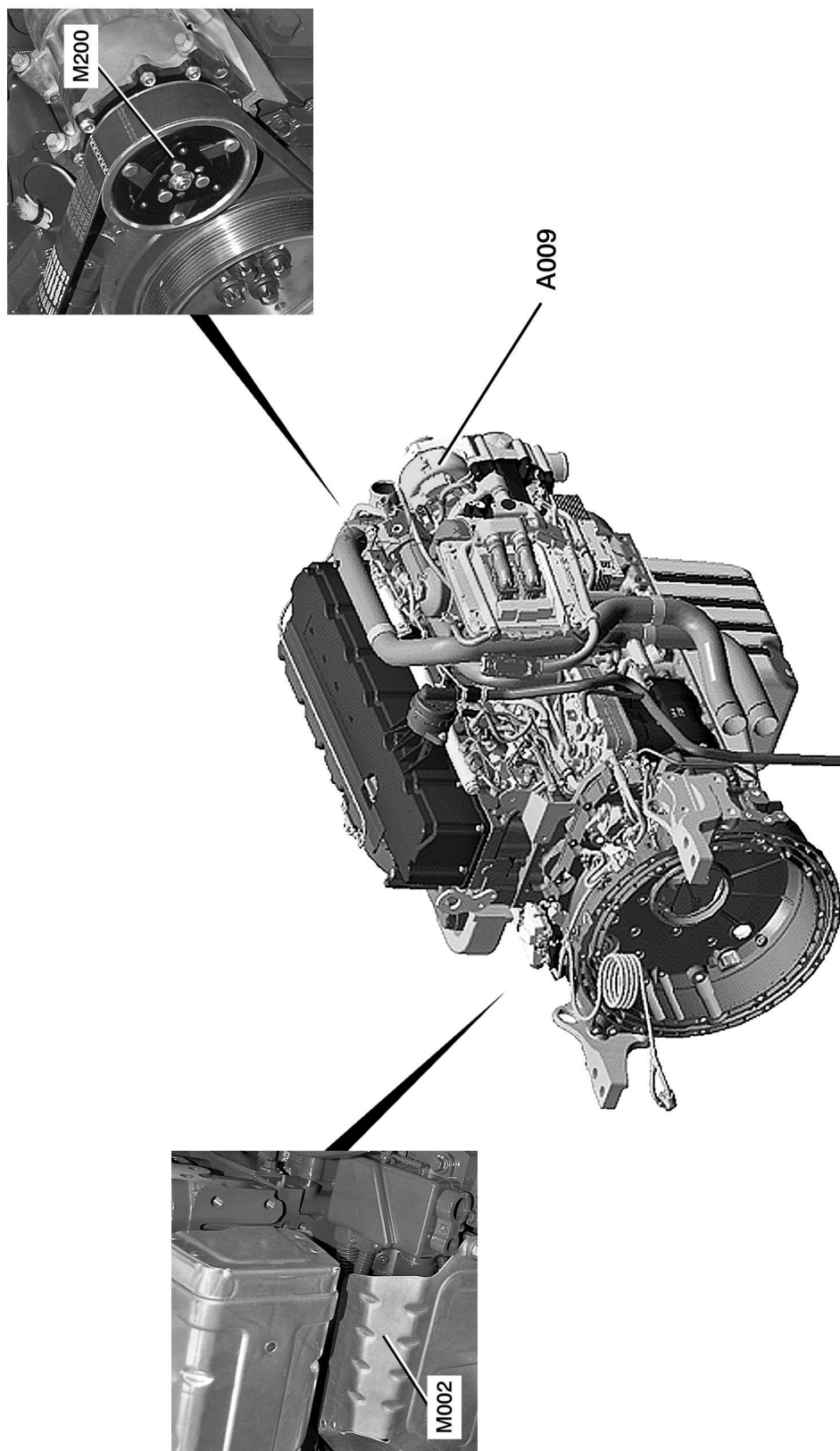
T3117890

DXi 7 engine electronic management (2/2)

Equipment key

Code	Title of the function	Diagram page No.
C048	Engine cooling system temperature sensor	C01
N004	Air preheating resistor	C01
S501	Air preheating relay	C01
V021	Engine brake solenoid valve No.1	C01
V022	Engine brake solenoid valve No.2	C01
V023	Engine brake solenoid valve	C01

Layout of equipment on the DXi 7 engine



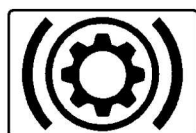
T3117891

Layout of equipment on the DXi 7 engine

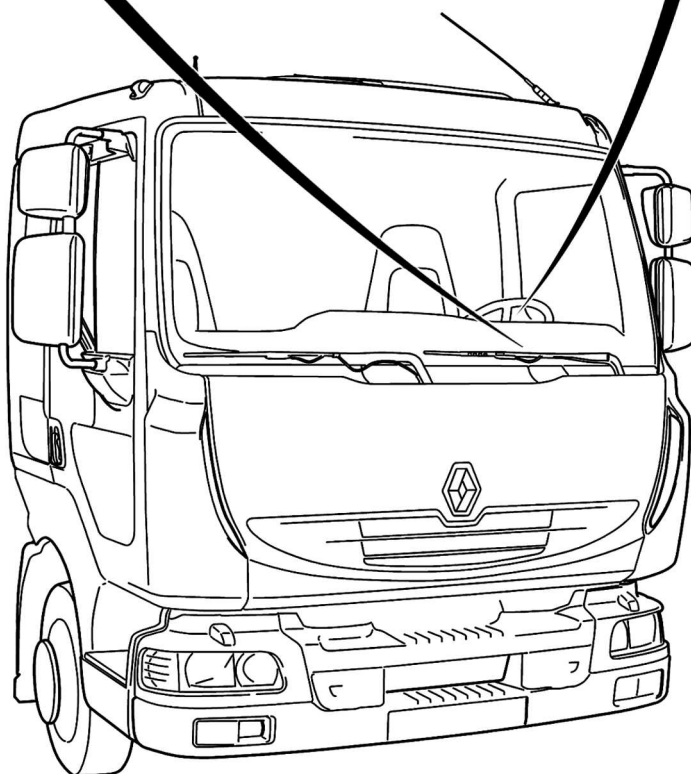
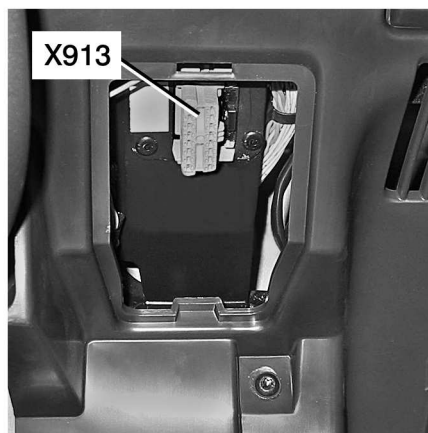
Key to devices

Code	Title of the function	Diagram page No.
A009	Alternator	A01/A20
M002	Starter	A01/A20
M200	Air conditioning compressor electric clutch	I70

Electrical retarder (1/2)



D055



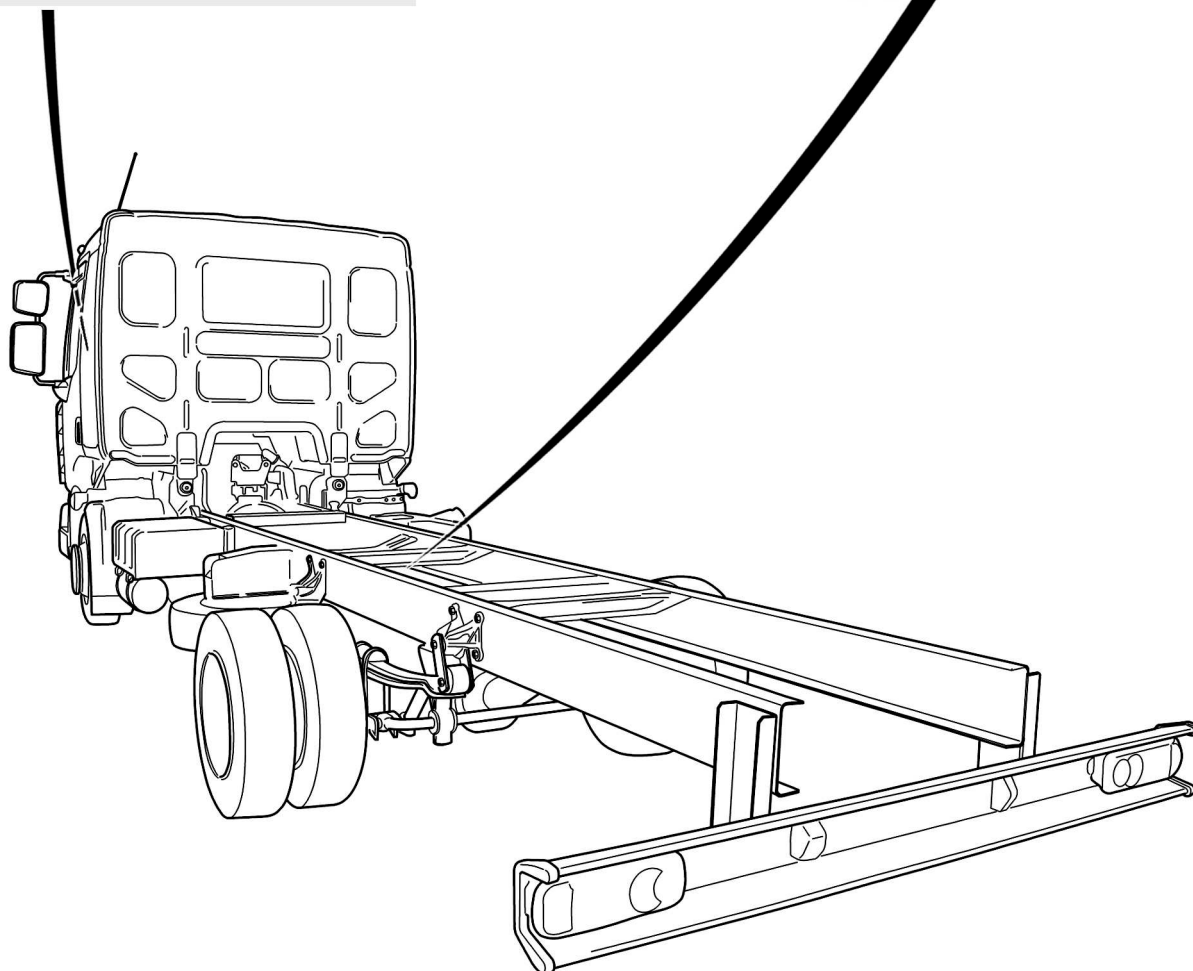
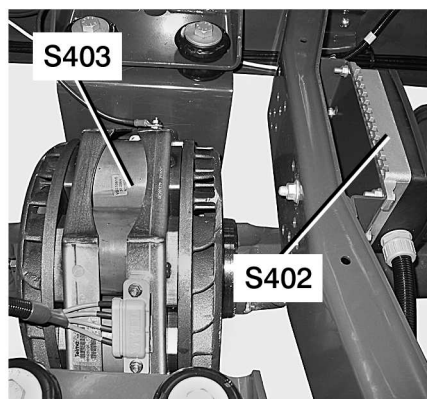
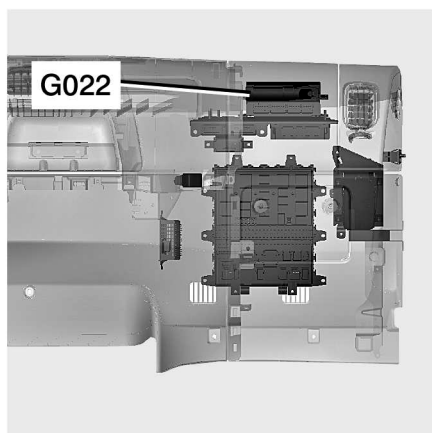
T3117892

Electrical retarder (1/2)

Equipment key

Code	Title of the function	Diagram page No.
B155	Hydraulic or electric retarder control	B01
D055	Hydraulic or electric retarder warning light	-
X913	Vehicle diagnostic socket	K01

Electrical retarder (2/2)



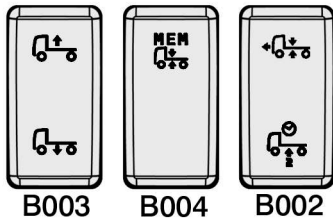
T3117893

Electrical retarder (2/2)

Equipment key

Code	Title of the function	Diagram page No.
G022	Electric retarder control unit	D30
S402	Electric retarder relay box	D30
S403	Electrical retarder	D30

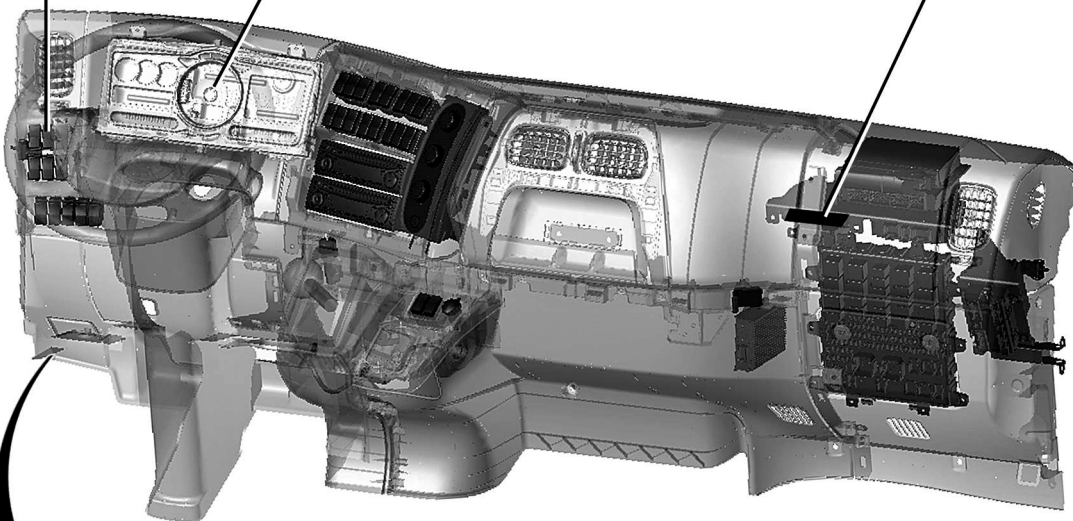
Air suspension



B002
B003
B004

D001 | D070
D071

G004



X913



B001



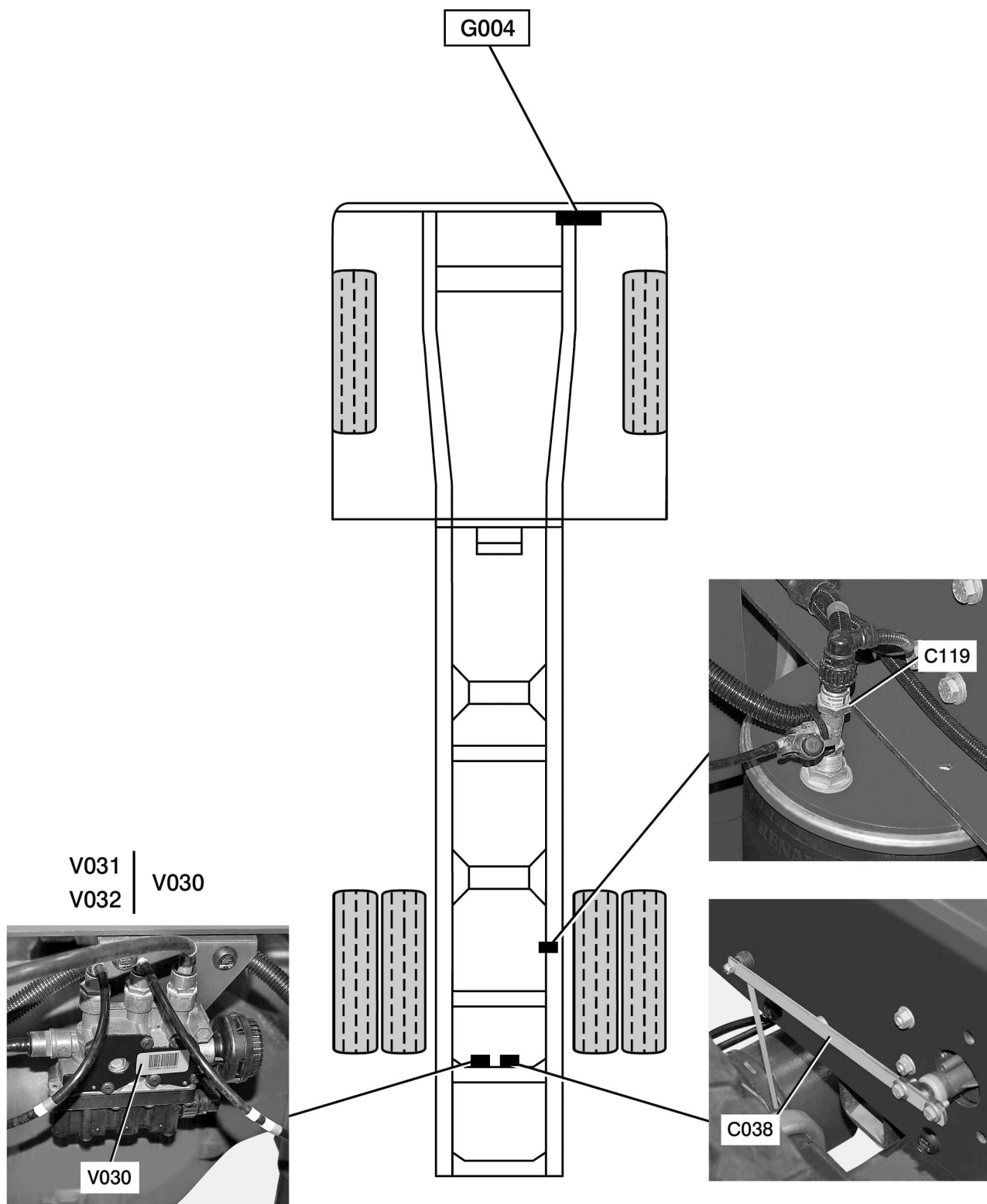
T3117894

Air suspension

Key to devices

Code	Title of the function	Diagram page No.
B001	Air suspension command remote control	F01/F02/F03
B002	Air suspension 'up' position remote control	F01/F03
B003	Air suspension 'down' position remote control	F01/F03
B004	Air suspension memorised position remote control	F01/F03
D001	Main information display	B20
D070	Suspension information warning light	-
D071	"ALERT" warning light electronic air suspension	-
G004	Air suspension control unit	F01/F02/F03
X913	Vehicle diagnostic socket	K01

4x2 rear electronic air suspension - 1C (<18 t)



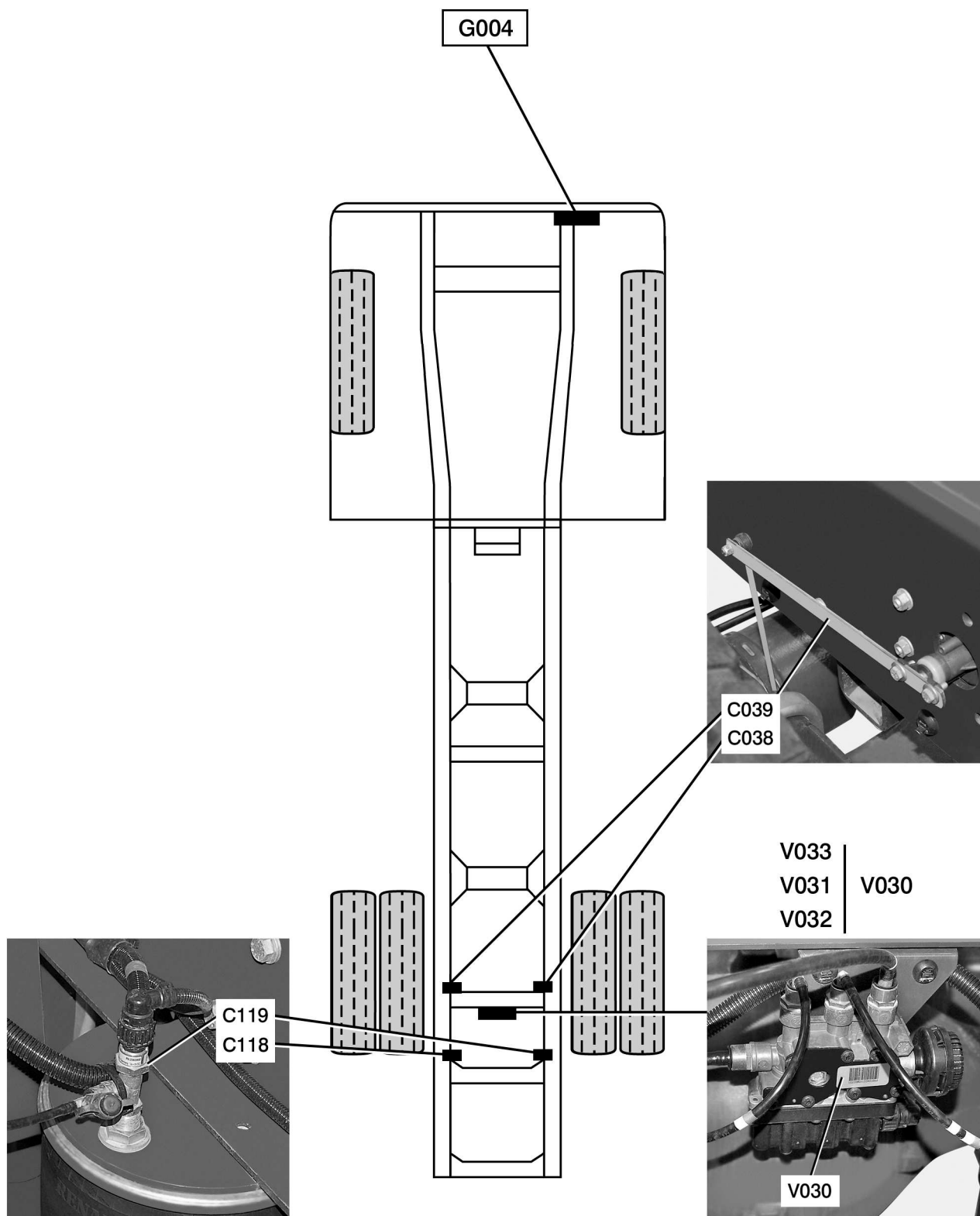
T3117895

4x2 rear electronic air suspension - 1C (<18 t)

Equipment key

Code	Title of the function	Diagram page No.
C038	Drive axle suspension right-hand position sensor	F01/F02
C119	Drive axle suspension right-hand pressure sensor	F01/F02
G004	Air suspension control unit	F01/F02
V030	Drive axle suspension control solenoid valve assembly	F01/F02
V031	Drive axle rear suspension main solenoid valve	F01/F02
V032	Drive axle rear suspension (RH side) solenoid valve	F01/F02

4x2 rear electronic air suspension - 2C (≥18 t)



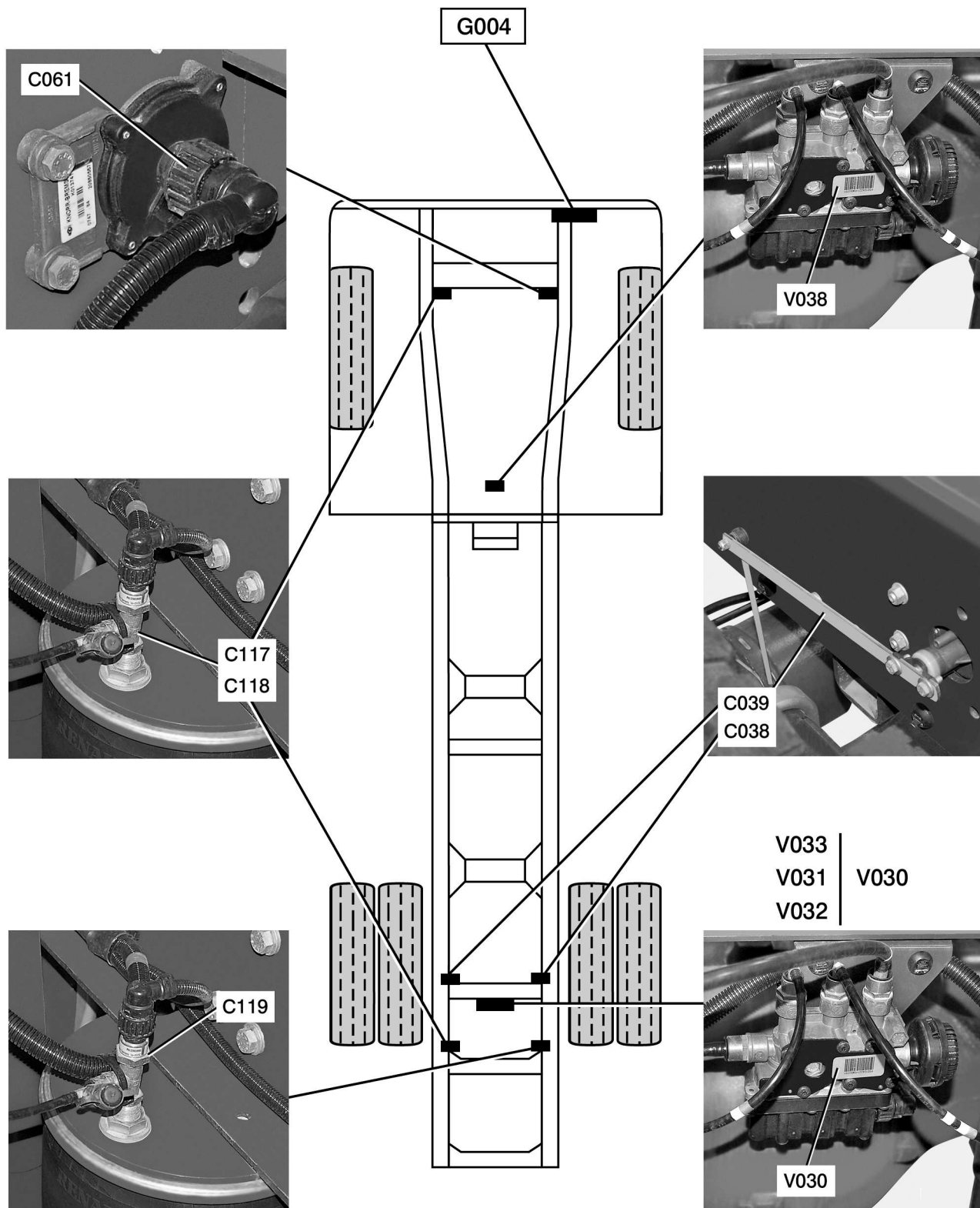
T3117896

4x2 rear electronic air suspension - 2C (≥18 t)

Equipment key

Code	Title of the function	Diagram page No.
C038	Drive axle suspension right-hand position sensor	F03
C039	Drive axle suspension left-hand position sensor	F03
C118	Drive axle suspension left-hand pressure sensor	F03
C119	Drive axle suspension right-hand pressure sensor	F03
G004	Air suspension control unit	F03
V030	Drive axle suspension control solenoid valve assembly	F03
V031	Drive axle rear suspension main solenoid valve	F03
V032	Drive axle rear suspension (RH side) solenoid valve	F03
V033	Drive axle rear suspension (LH side) solenoid valve	F03

4x2 integral electronic air suspension



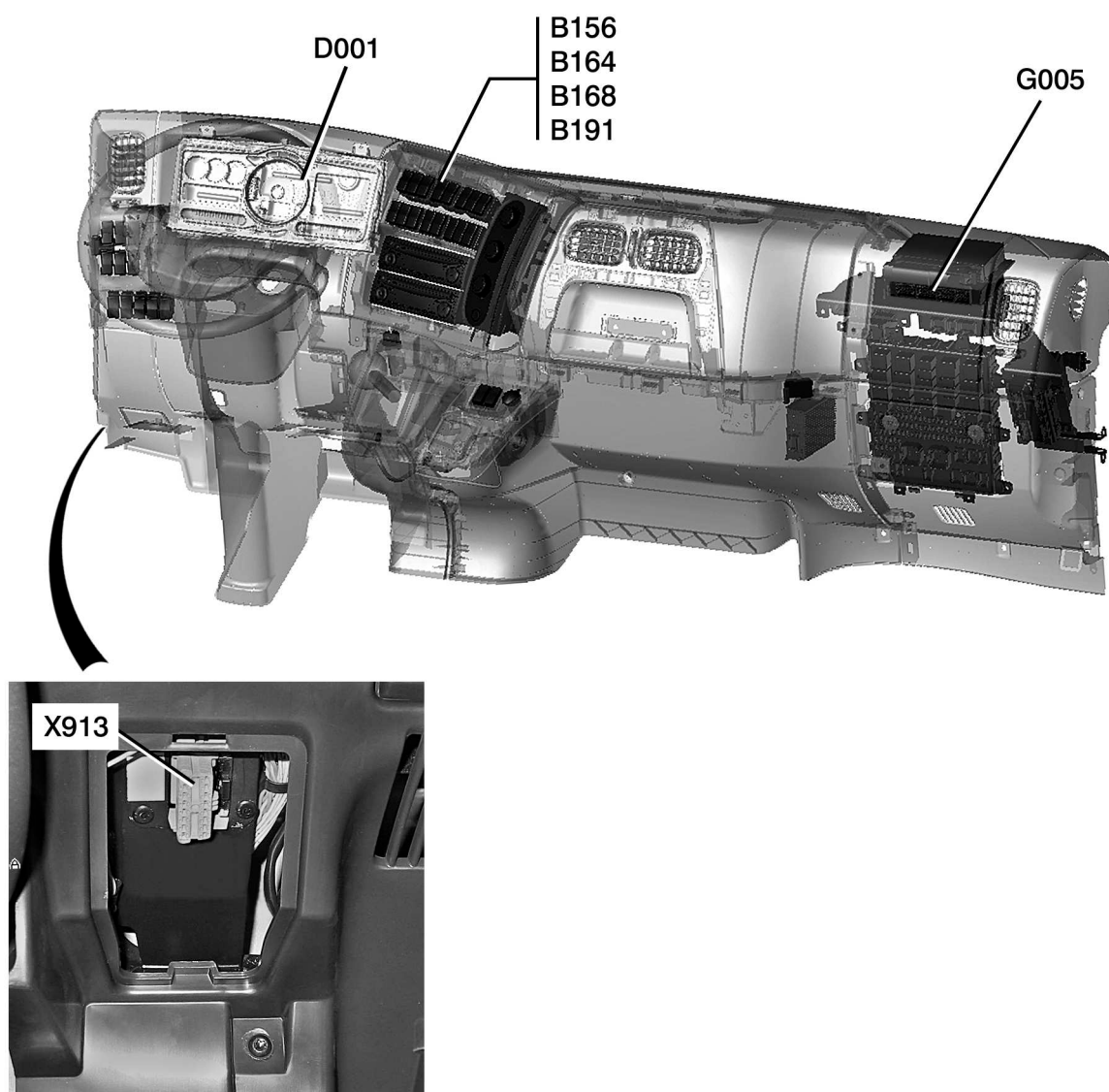
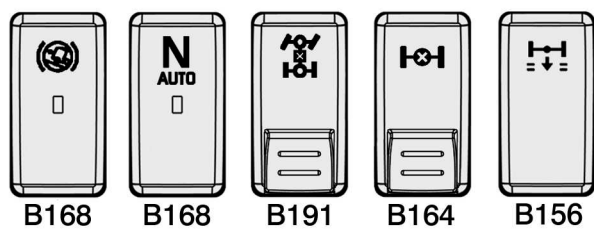
T3117897

4x2 integral electronic air suspension

Equipment key

Code	Title of the function	Diagram page No.
C038	Drive axle suspension right-hand position sensor	F02/F03
C039	Drive axle suspension left-hand position sensor	F02/F03
C061	Front axle suspension position sensor	F02/F03
C117	Front air spring air pressure sensor	F02/F03
C118	Drive axle suspension left-hand pressure sensor	F02/F03
C119	Drive axle suspension right-hand pressure sensor	F02/F03
G004	Air suspension control unit	F02/F03
V030	Drive axle suspension control solenoid valve assembly	F02/F03
V031	Drive axle rear suspension main solenoid valve	F02/F03
V032	Drive axle rear suspension (RH side) solenoid valve	F02/F03
V033	Drive axle rear suspension (LH side) solenoid valve	F02/F03
V038	Front suspension solenoid valve	F02/F03

EBS equipment



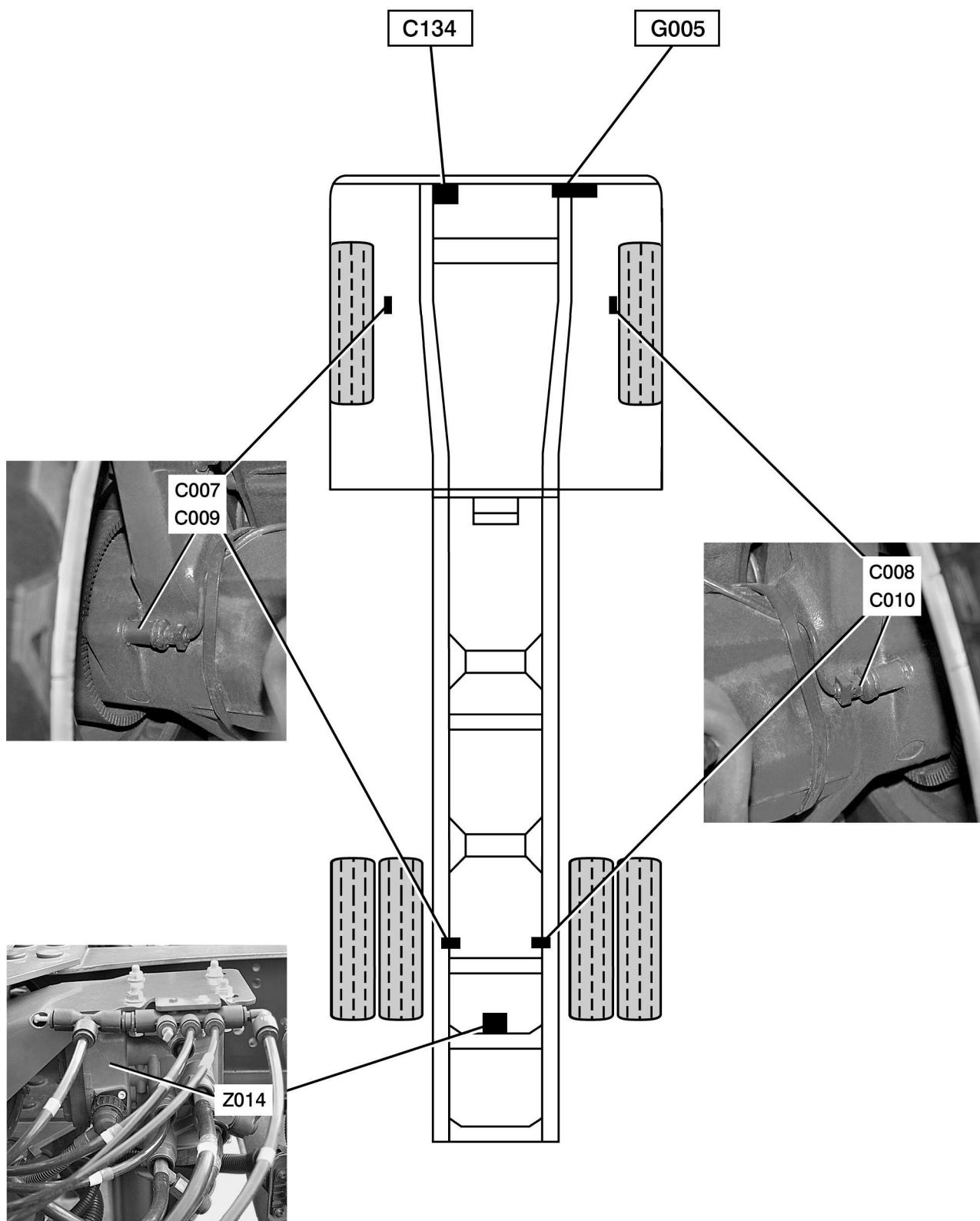
T3117898

EBS equipment

Key to devices

Code	Title of the function	Diagram page No.
B156	"ASR" cut-off control	E01
B164	Rear wheel differential lock control	E01
B168	Traction control enabling control	E01
B191	Transfer box differential lock control	E01
D001	Main information display	B20
G005	EBS management control unit	E01
X913	Vehicle diagnostic socket	K01

EBS 4x2 equipment (1/2)



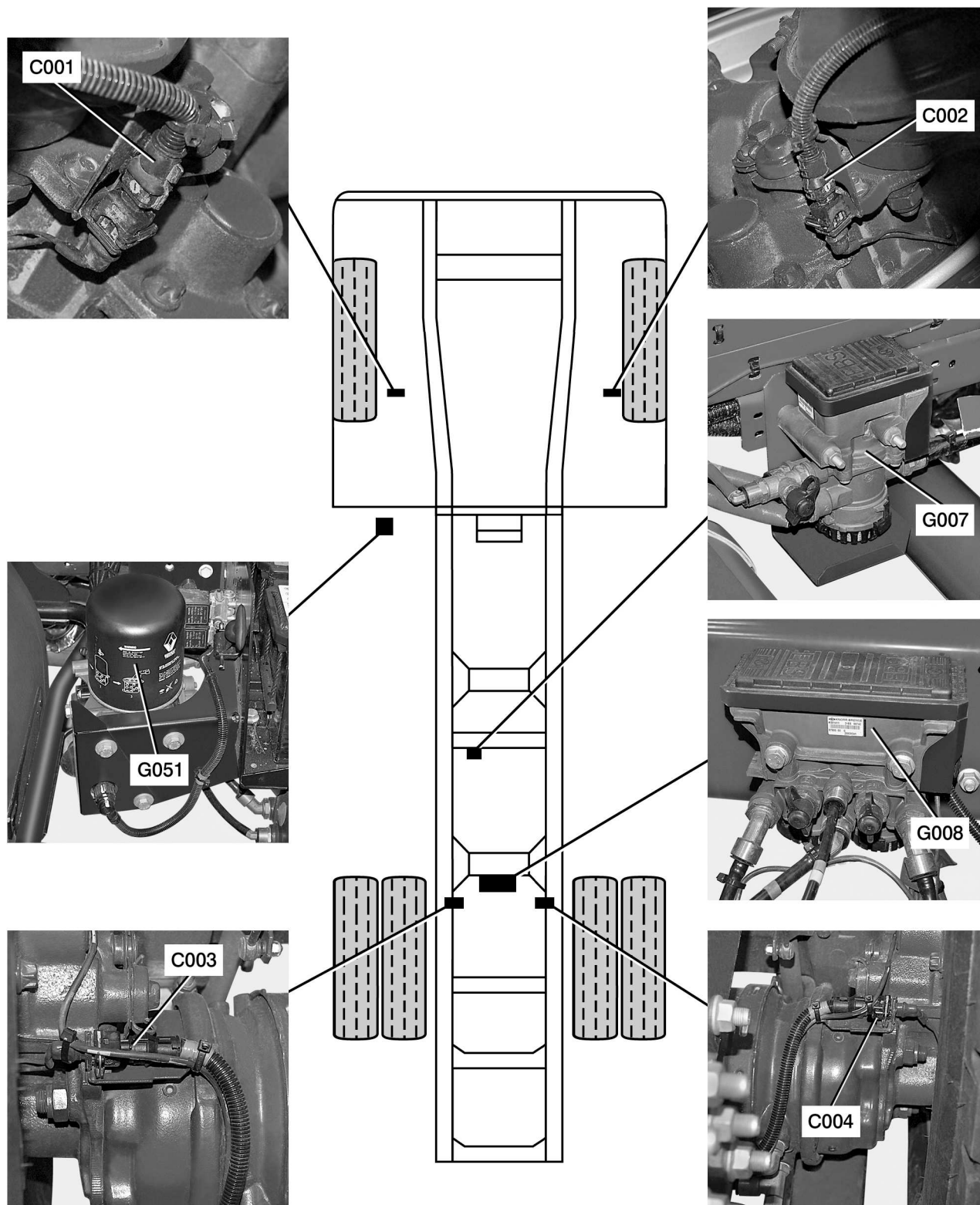
T3117899

EBS 4x2 equipment (1/2)

Equipment key

Code	Title of the function	Diagram page No.
C007	Front left-hand wheel speed sensor	E01
C008	Front right-hand wheel speed sensor	E01
C009	Rear left-hand wheel speed sensor	E01
C010	Rear right-hand wheel speed sensor	E01
C134	Brake pedal sensor unit	E01
G005	EBS management control unit	E01
Z014	Trailer brake control EBS modulator unit	E01

EBS 4x2 equipment (2/2)



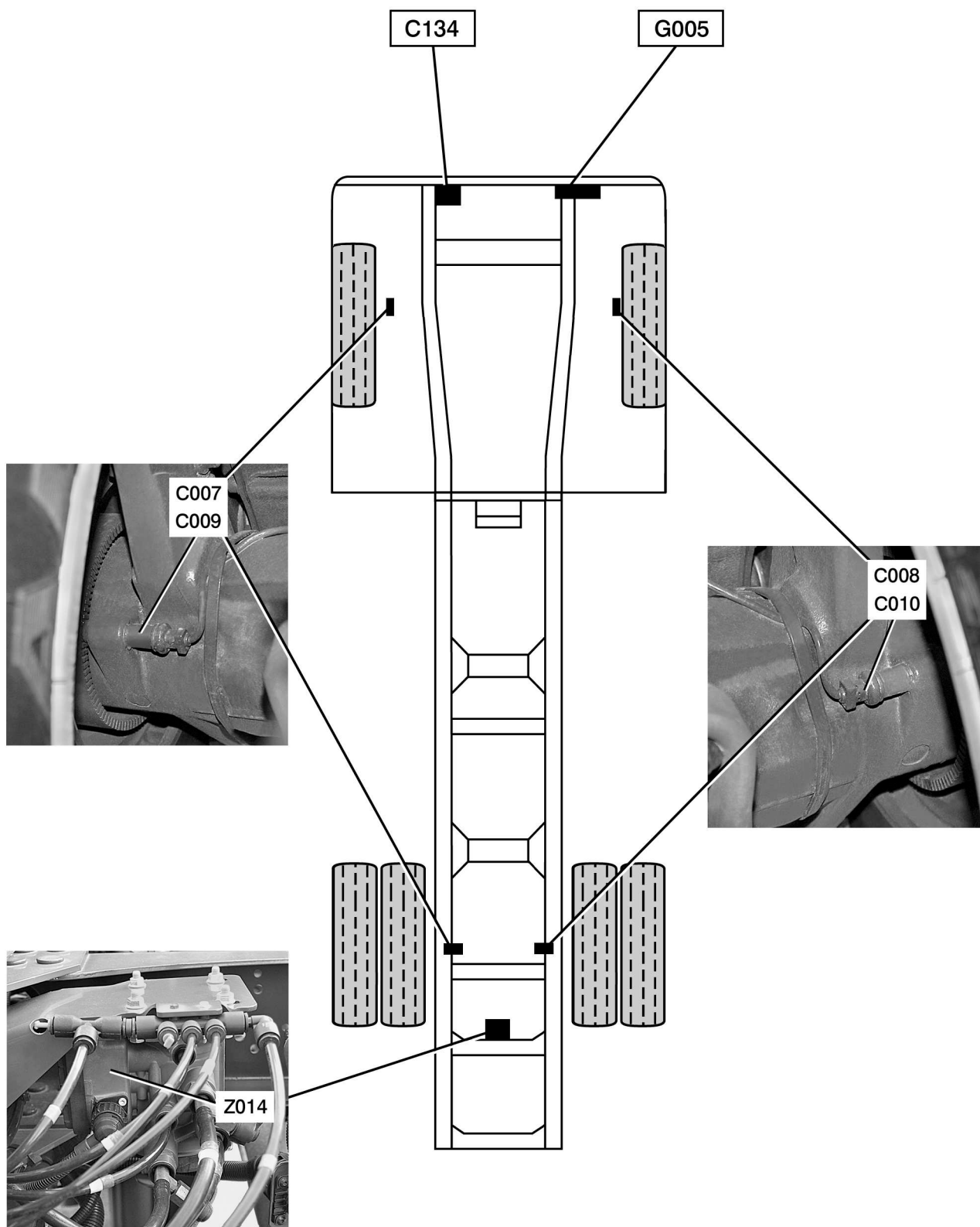
T3117900

EBS 4x2 equipment (2/2)

Equipment key

Code	Title of the function	Diagram page No.
C001	Front left-hand wheel brake lining wear sensor	E01
C002	Front right-hand wheel brake lining wear sensor	E01
C003	Left-hand rear wheel brake lining wear sensor	E01
C004	Right-hand rear wheel brake lining wear sensor	E01
G007	Braking assistance modulator assembly (on front axle)	E01
G008	Braking assistance modulator assembly on drive axle	E01
G051	Air production management ECU	F40

EBS 4x4 equipment (1/3)



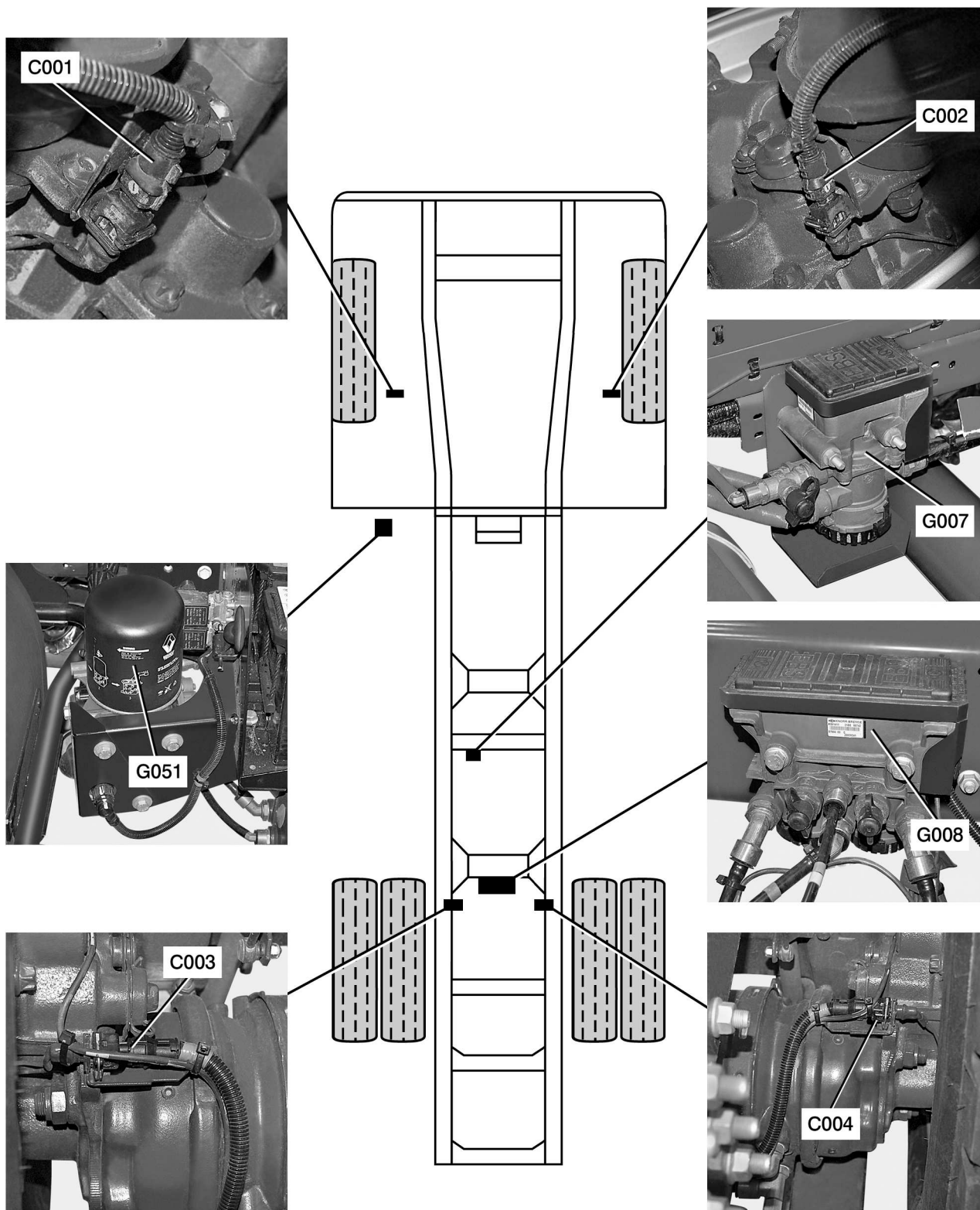
T3117899

EBS 4x4 equipment (1/3)

Equipment key

Code	Title of the function	Diagram page No.
C007	Front left-hand wheel speed sensor	E01
C008	Front right-hand wheel speed sensor	E01
C009	Rear left-hand wheel speed sensor	E01
C010	Rear right-hand wheel speed sensor	E01
C134	Brake pedal sensor unit	E01
G005	EBS management control unit	E01
Z014	Trailer brake control EBS modulator unit	E01

EBS 4x4 equipment (2/3)



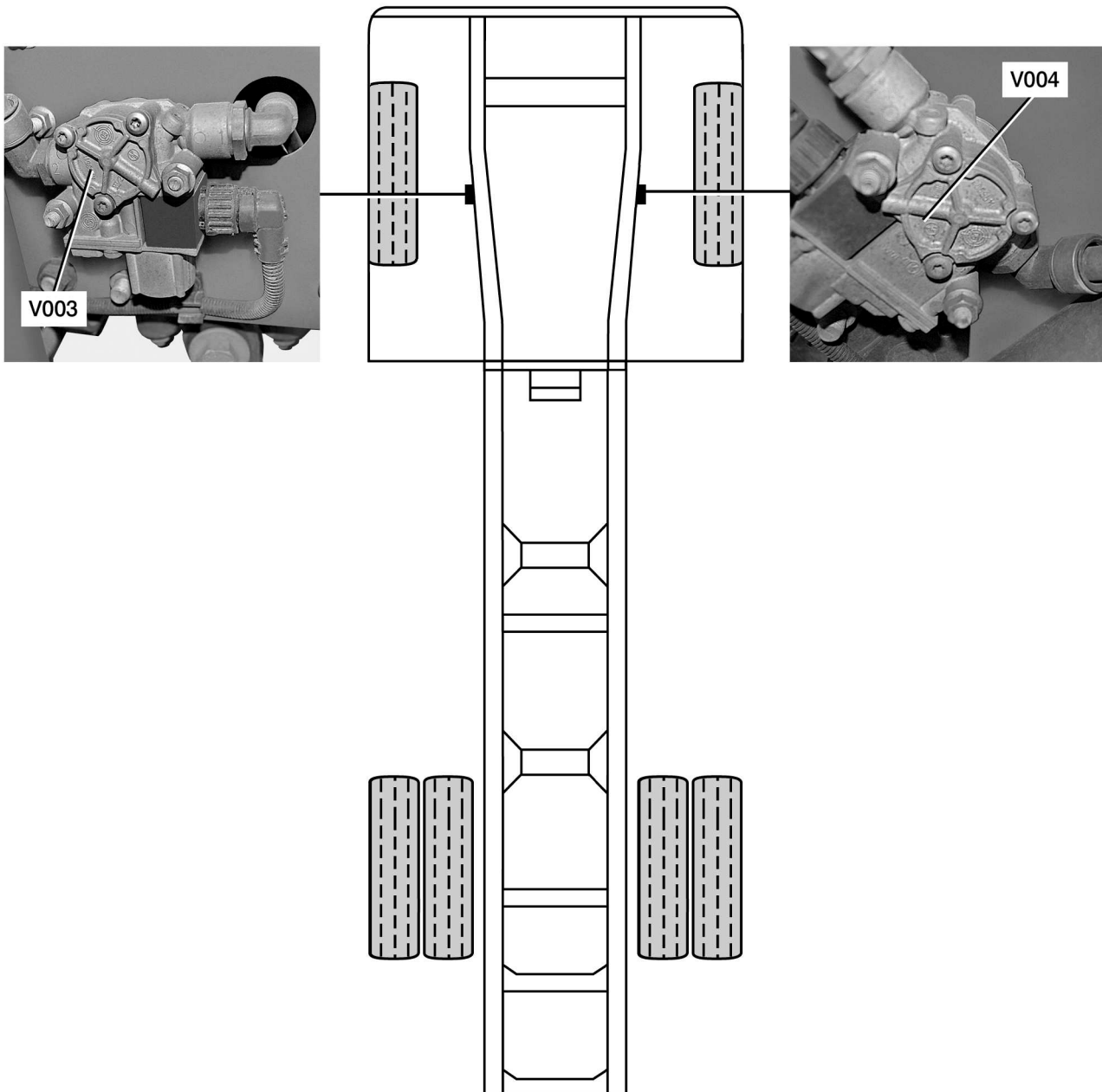
T3117900

EBS 4x4 equipment (2/3)

Equipment key

Code	Title of the function	Diagram page No.
C001	Front left-hand wheel brake lining wear sensor	E01
C002	Front right-hand wheel brake lining wear sensor	E01
C003	Left-hand rear wheel brake lining wear sensor	E01
C004	Right-hand rear wheel brake lining wear sensor	E01
G007	Braking assistance modulator assembly (on front axle)	E01
G008	Braking assistance modulator assembly on drive axle	E01
G051	Air production management ECU	F40

EBS 4x4 equipment (3/3)



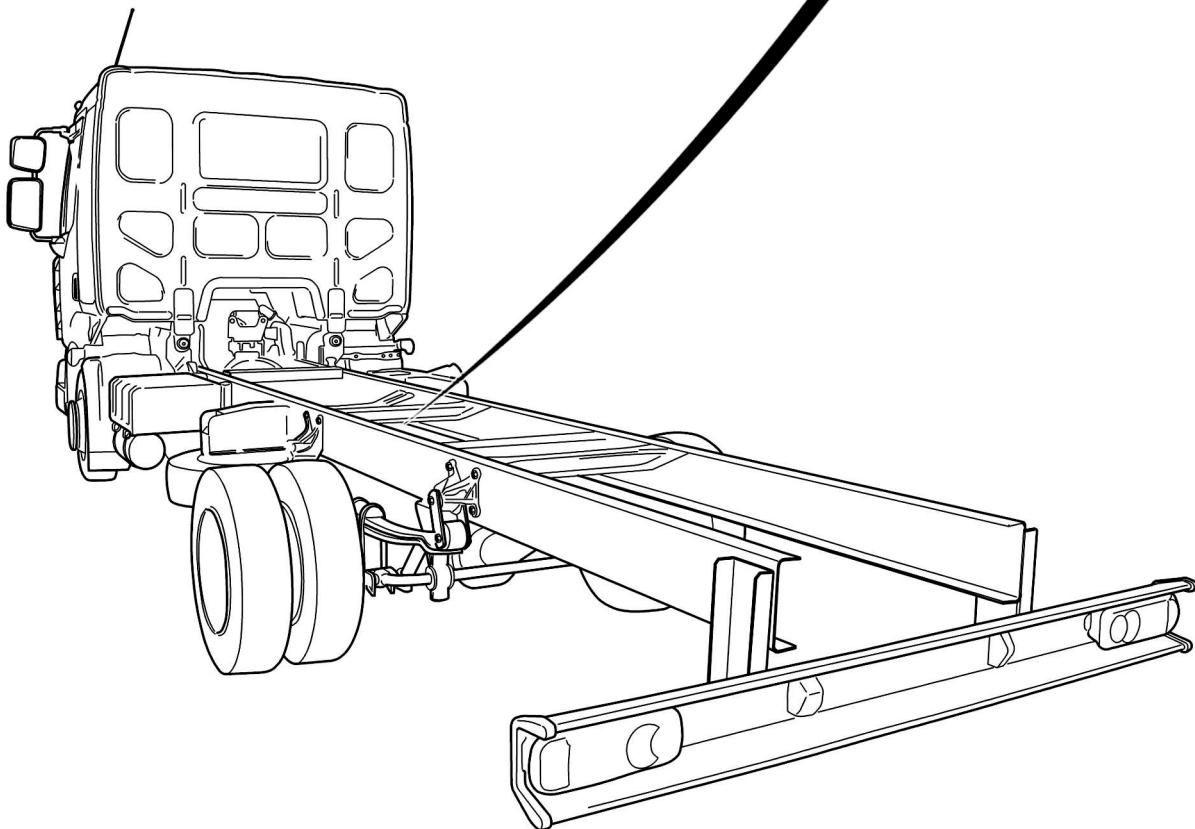
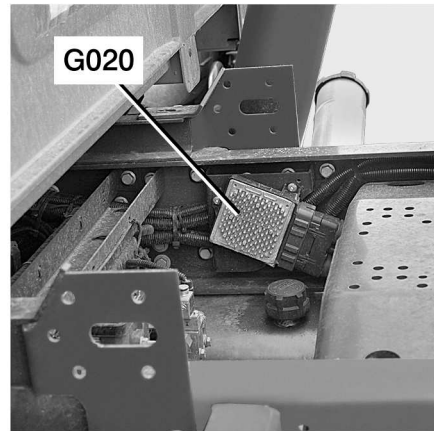
T3117903

EBS 4x4 equipment (3/3)

Equipment key

Code	Title of the function	Diagram page No.
V003	Front LH wheel ABS solenoid valve	E01
V004	Front RH wheel ABS solenoid valve	E01

S2000/3000V gearbox



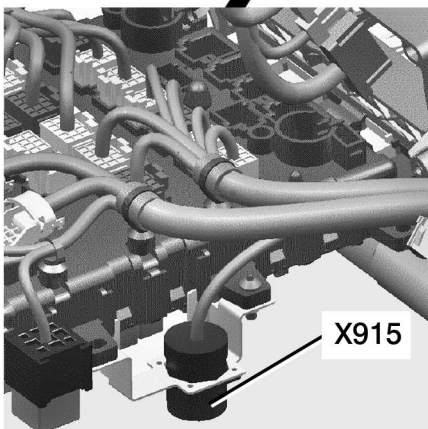
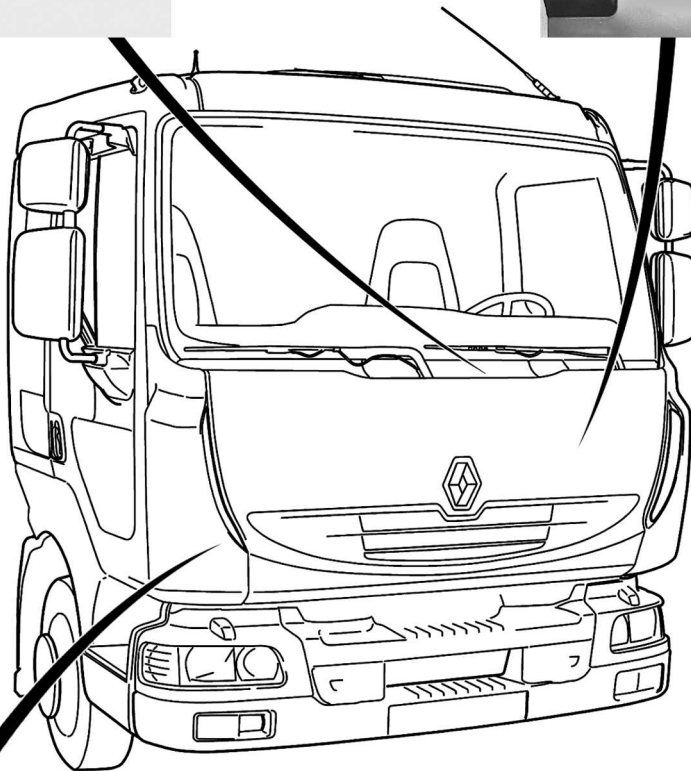
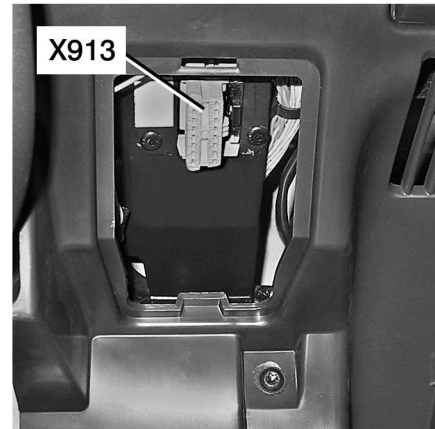
T3117904

S2000/3000V gearbox

Equipment key

Code	Title of the function	Diagram page No.
G020	Automatic gearbox ECU	D02

S2000 gearbox



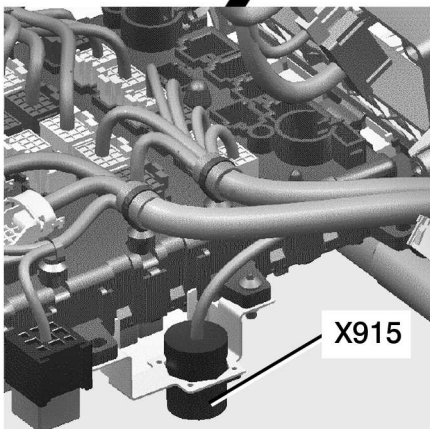
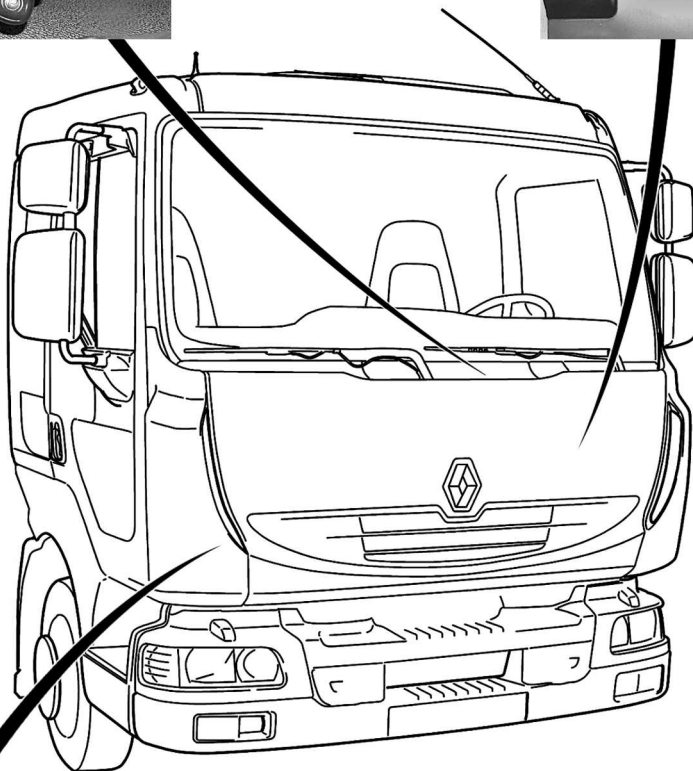
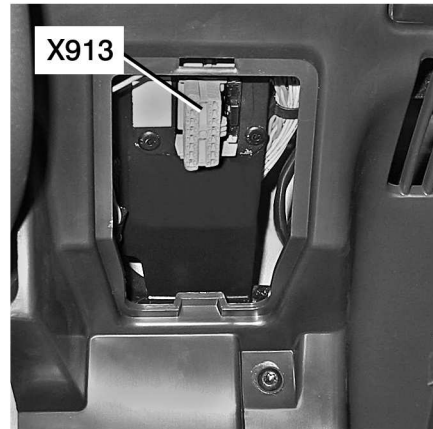
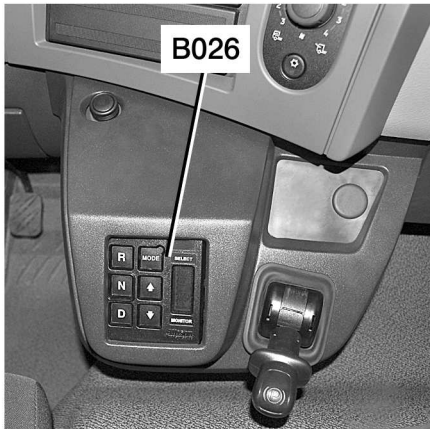
T3117905

S2000 gearbox

Key to devices

Code	Title of the function	Diagram page No.
B026	Automatic transmission gear selector	D03
X913	Vehicle diagnostic socket	K01
X915	Automatic gearbox diagnostic socket	D03

3000V gearbox



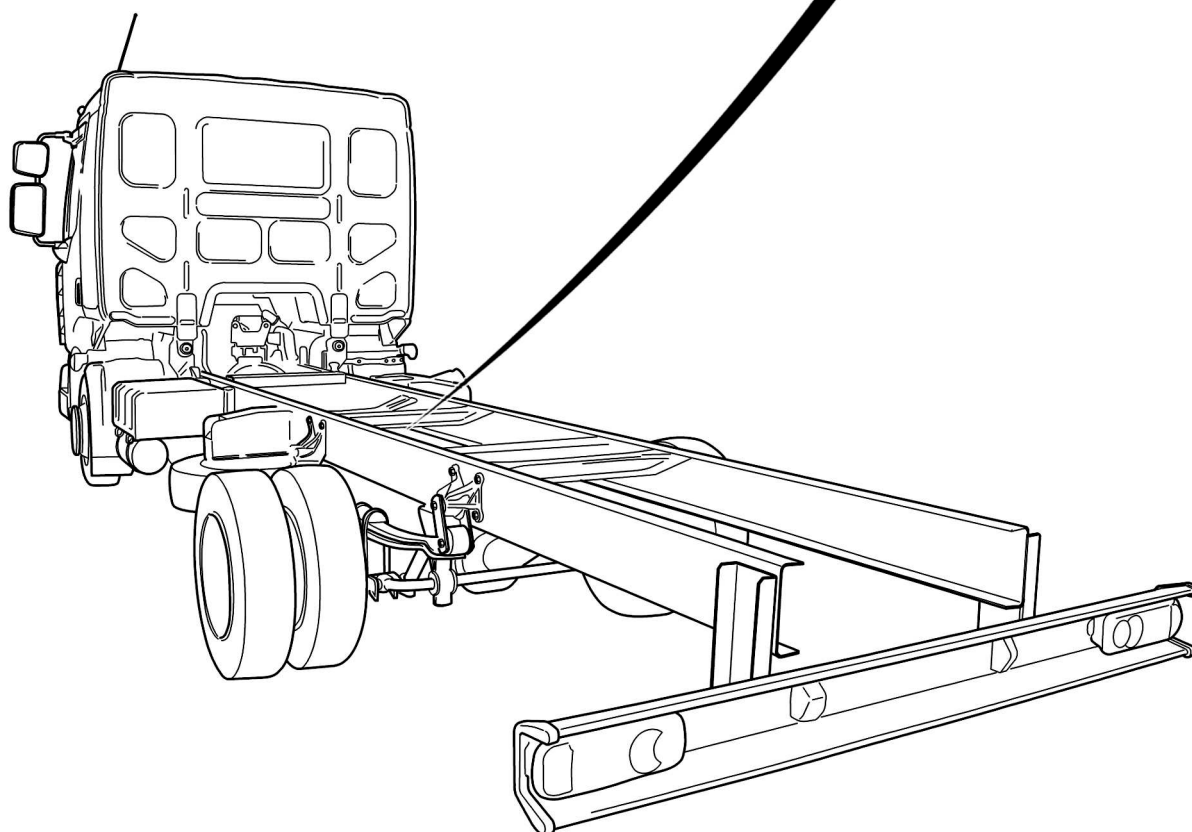
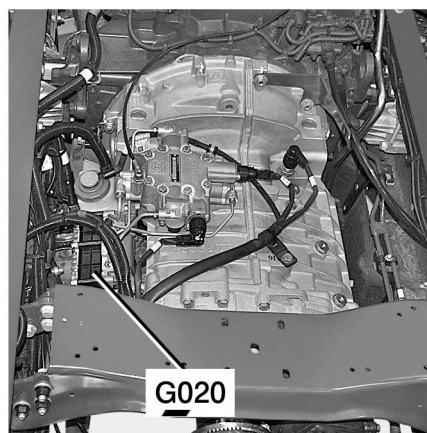
T3117906

3000V gearbox

Key to devices

Code	Title of the function	Diagram page No.
B026	Automatic transmission gear selector	D02
X913	Vehicle diagnostic socket	K01
X915	Automatic gearbox diagnostic socket	D02

6AS800/6AS1000 gearbox (1/4)



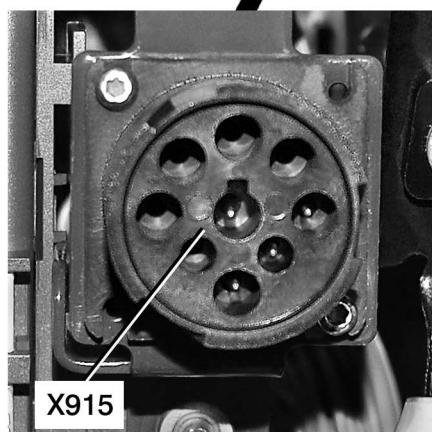
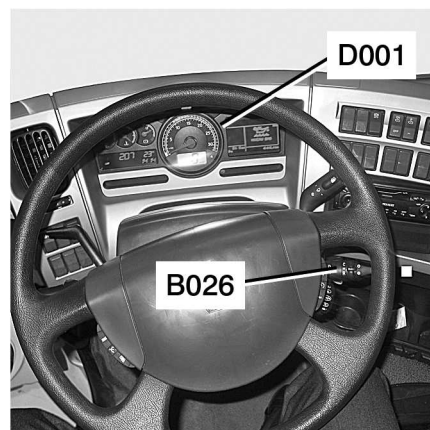
T3117907

6AS800/6AS1000 gearbox (1/4)

Equipment key

Code	Title of the function	Diagram page No.
G020	Automatic gearbox ECU	D01

6AS800/6AS1000 gearbox (2/4)



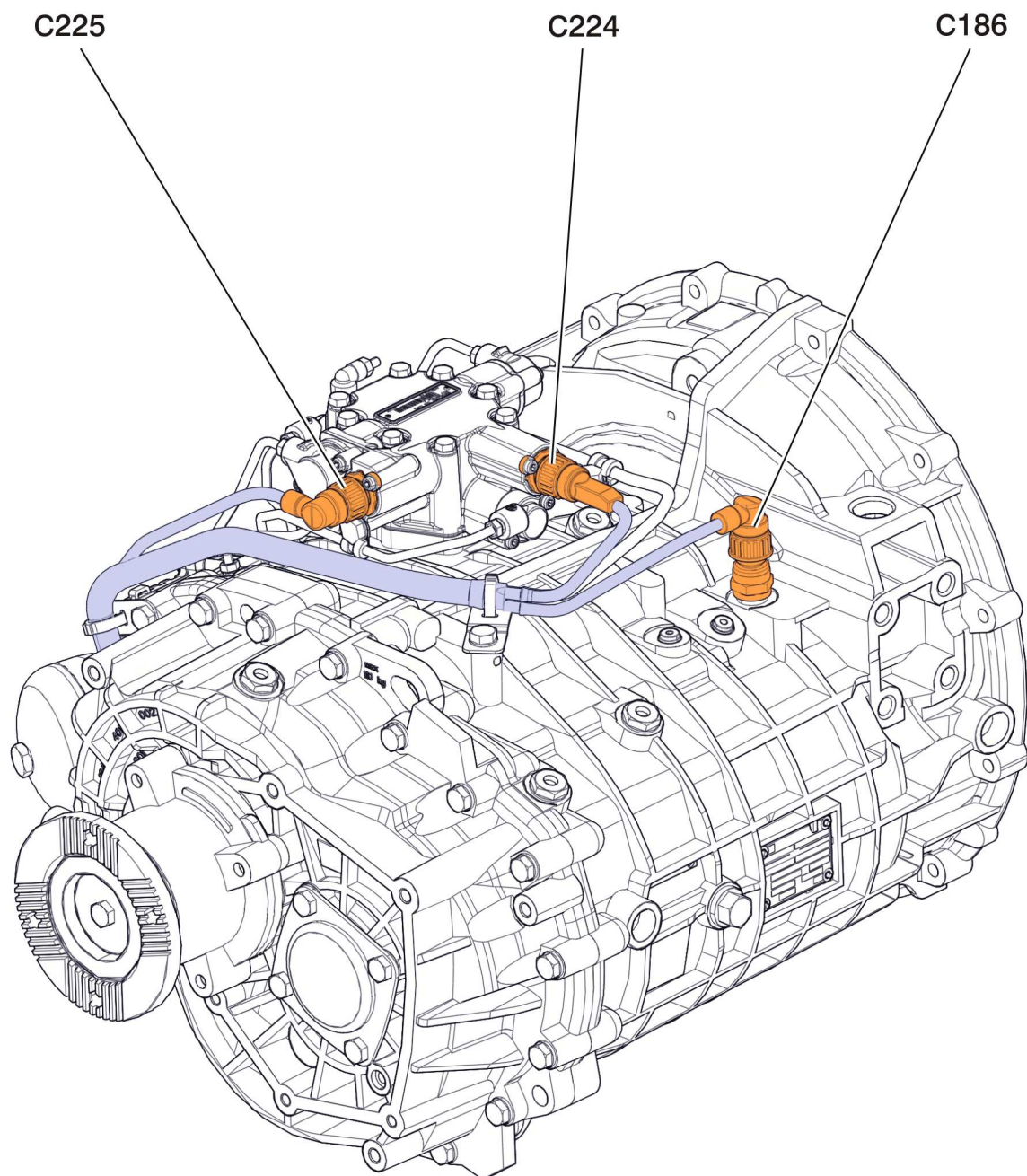
T3117908

6AS800/6AS1000 gearbox (2/4)

Equipment key

Code	Title of the function	Diagram page No.
B026	Automatic transmission gear selector	D01
D001	Main information display	B20
X913	Vehicle diagnostic socket	K01
X915	Automatic gearbox diagnostic socket	D01

6AS800/6AS1000 gearbox (3/4)



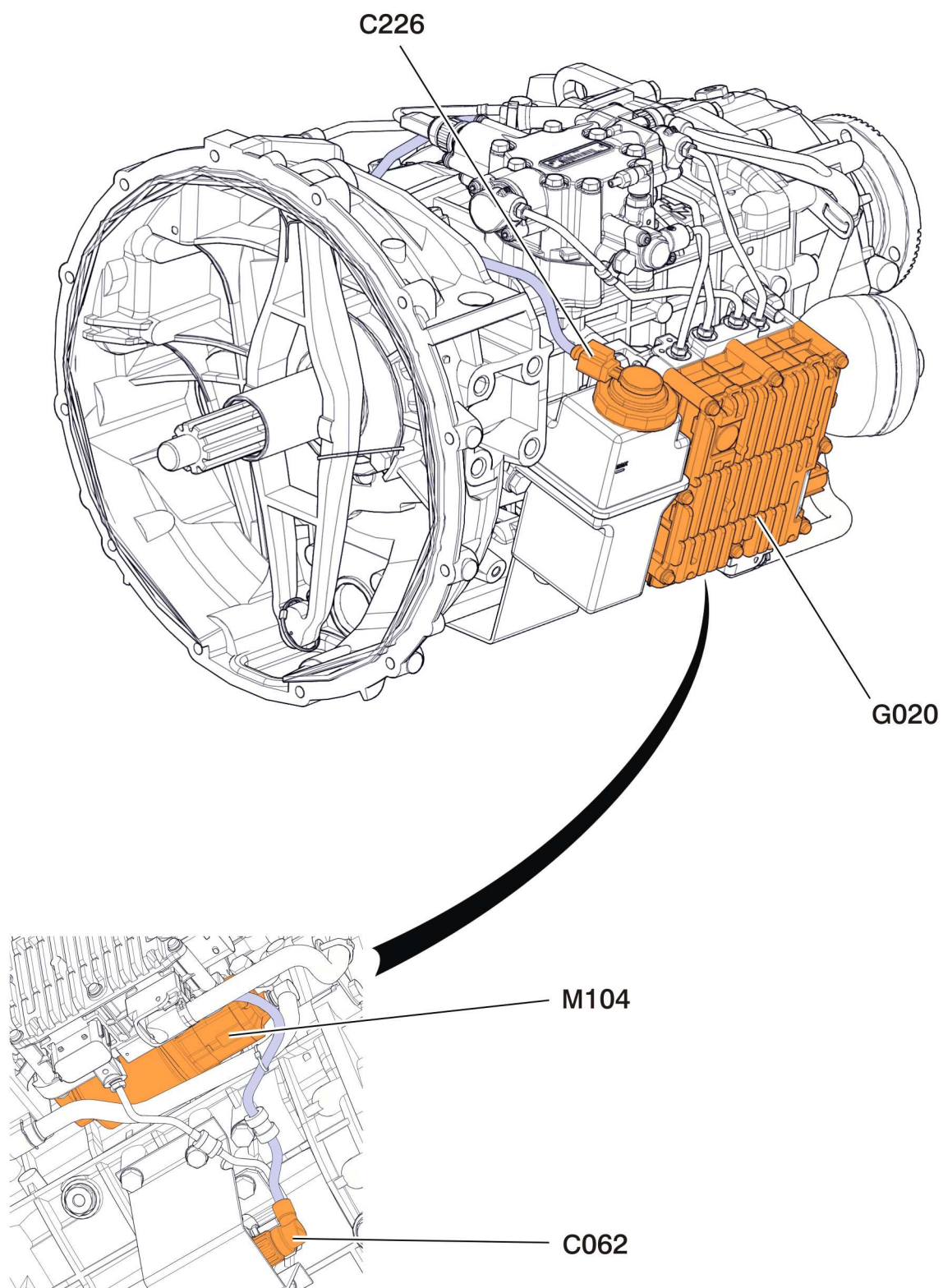
T3117909

6AS800/6AS1000 gearbox (3/4)

Equipment key

Code	Title of the function	Diagram page No.
C186	Secondary shaft speed sensor	D01
C224	Gear selection movement sensor	D01
C225	Gearshift control movement sensor	D01

6AS800/6AS1000 gearbox (4/4)



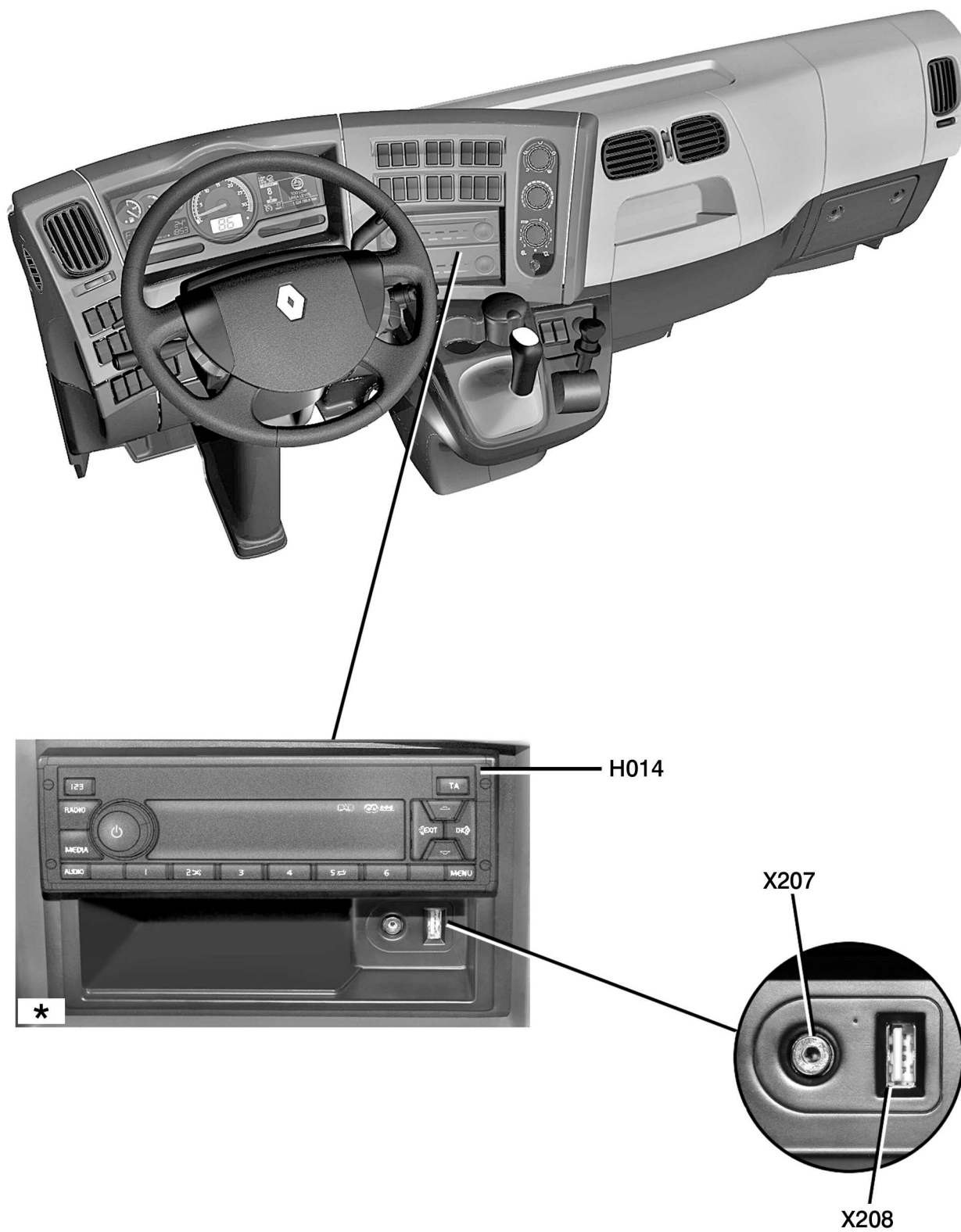
T3117910

6AS800/6AS1000 gearbox (4/4)

Equipment key

Code	Title of the function	Diagram page No.
C062	Clutch position sensor	D01
C226	Automated manual transmission hydraulic circuit level sensor	D01
G020	Automatic gearbox ECU	D01
M104	Gearbox electric pump	D01

Radio (1/2)



T3117911

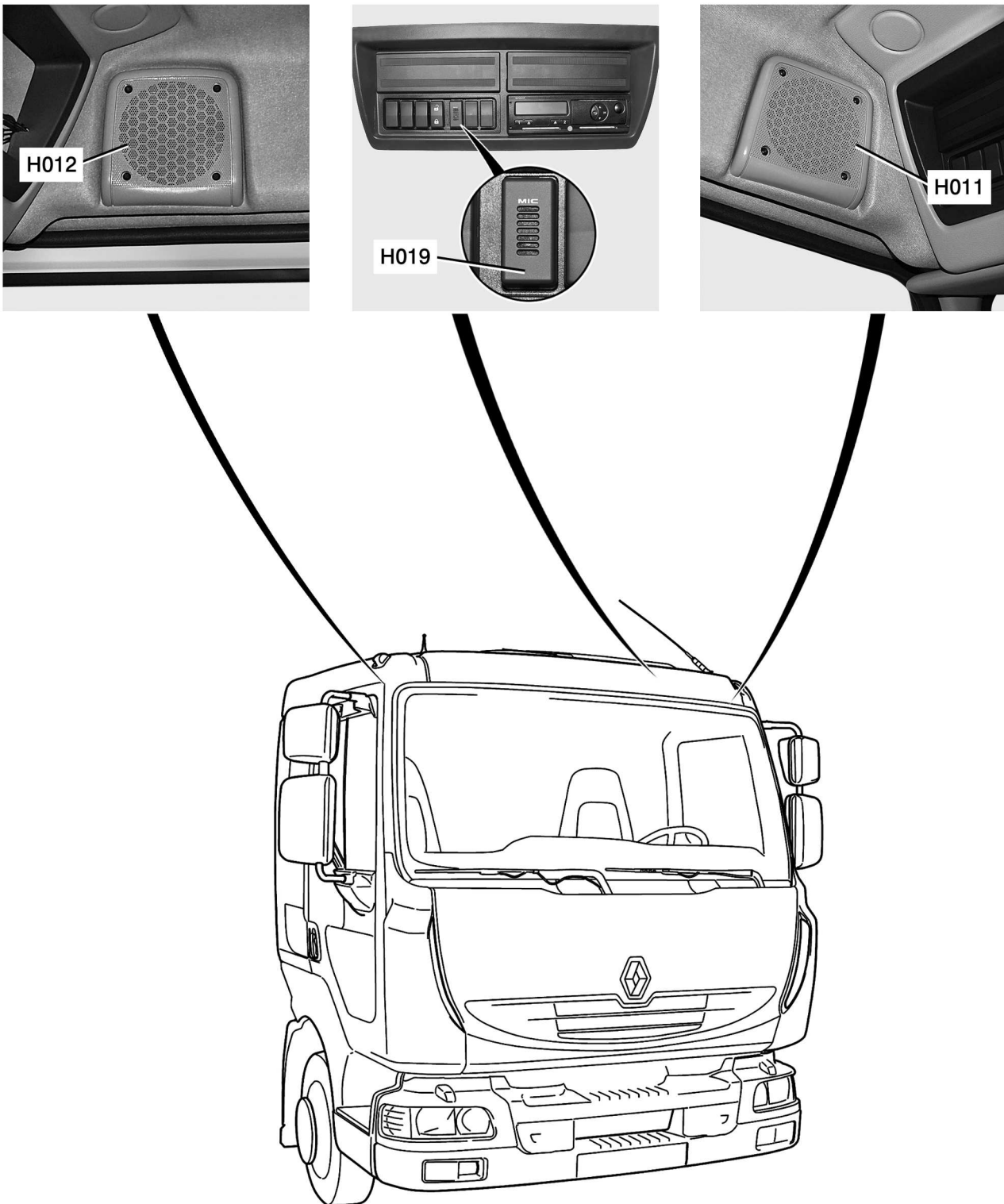
Radio (1/2)

Equipment key

Code	Title of the function	Diagram page No.
H014	Radio set	I20/I21
X207	Auxiliary audio connector	I20
X208	USB audio connector	I20

* : for vehicles manufactured after **2016/12/04**

Radio (2/2)



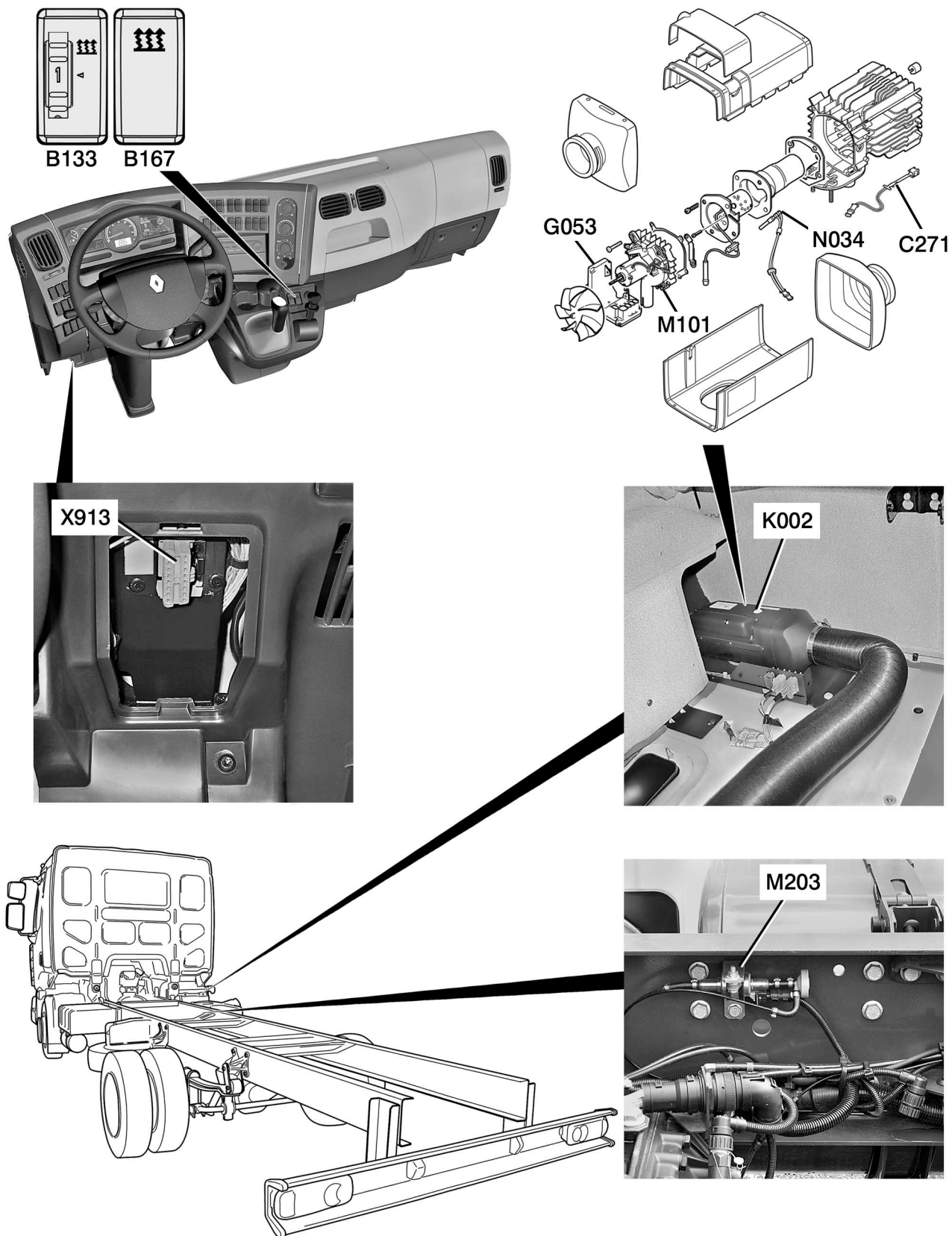
T3117912

Radio (2/2)

Equipment key

Code	Title of the function	Diagram page No.
H011	Front left-hand loudspeaker	I20/I21
H012	Front right-hand loudspeaker	I20/I21
H019	Microphone	I20

AT 2000ST independent heating



T3117913

AT 2000ST independent heating

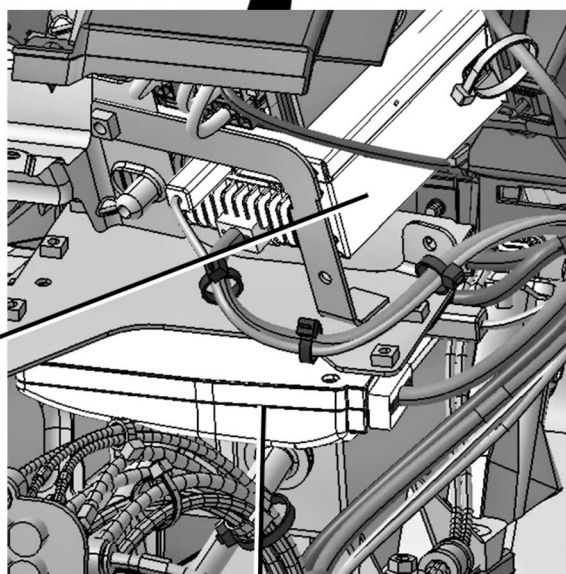
Key to devices

Code	Title of the function	Diagram page No.
B133	Independent heater timer control	I40/I41
B167	Independent heating activation control switch	I40/I41
C271	Overheating sensor	I40/I41
G053	Air/air independent heater ECU	I40/I41
K002	Air/air independent heater	I40/I41
M101	Independent heater fan motor	I40/I41
M203	Independent heater fuel pump motor	I40/I41
N034	Independent heater start-up resistor	I40/I41
X913	Vehicle diagnostic socket	K01

TTU/TGW control units



G018



G102

T3117914

TTU/TGW control units

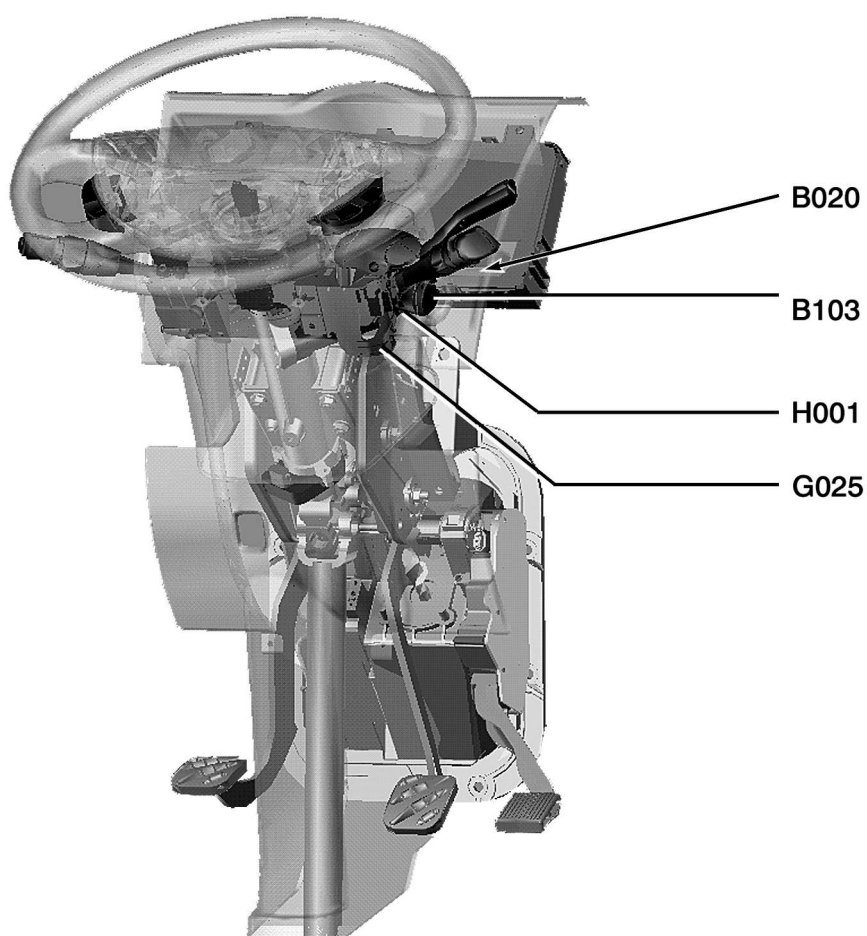
Equipment key

Code	Title of the function	Diagram page No.
G018	Onboard management interface control unit	B60/B62
G102	On-board management control unit	B60/B62

Electronic engine immobiliser



D017



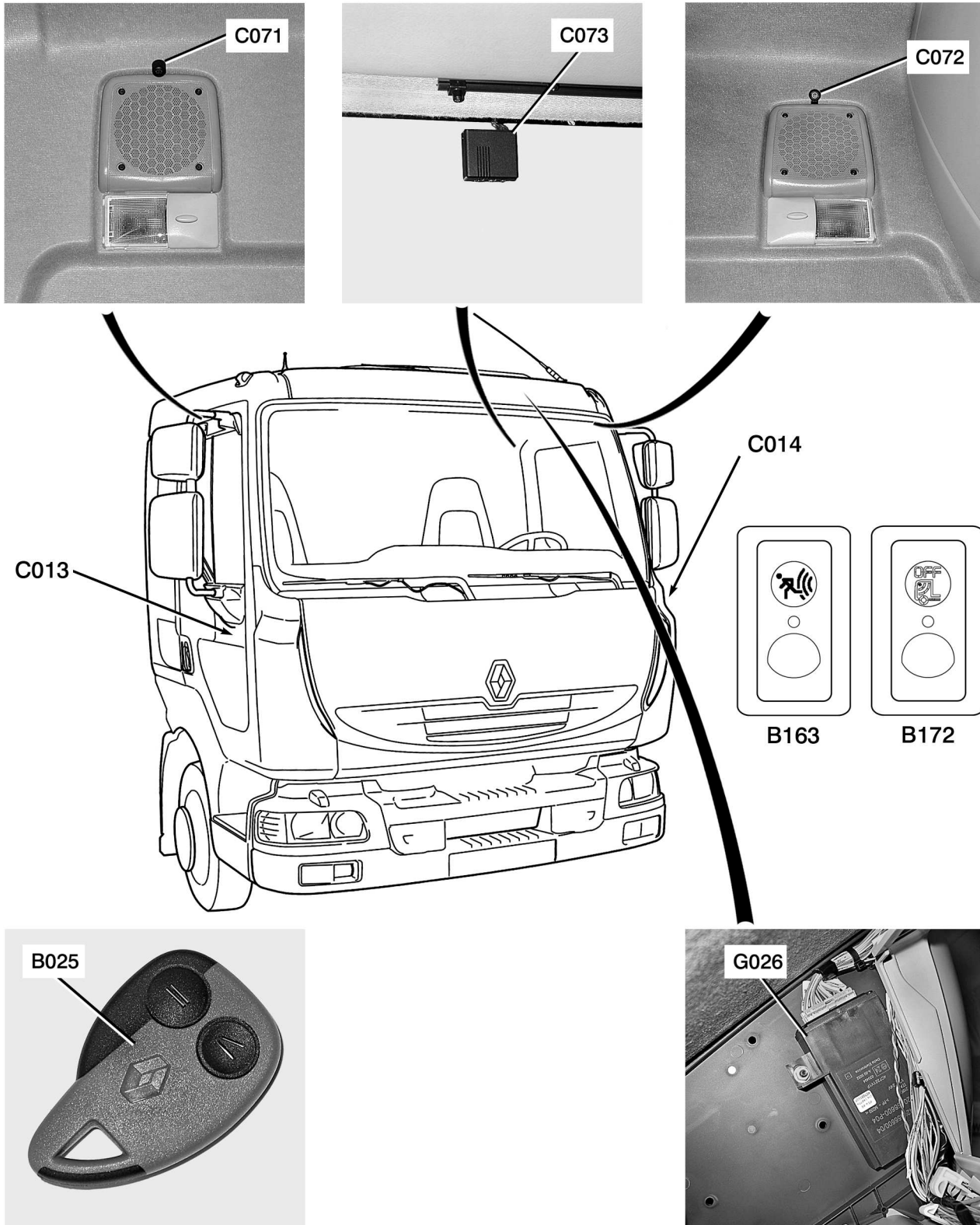
T3117915

Electronic engine immobiliser

Equipment key

Code	Title of the function	Diagram page No.
B020	Transponder ignition key	-
B103	Key switch unit	A01/A20
D017	Electronic engine immobiliser "information" warning light	-
G025	Engine immobiliser ECU	G01
H001	Engine immobiliser antenna	G01

Alarm (1/2)



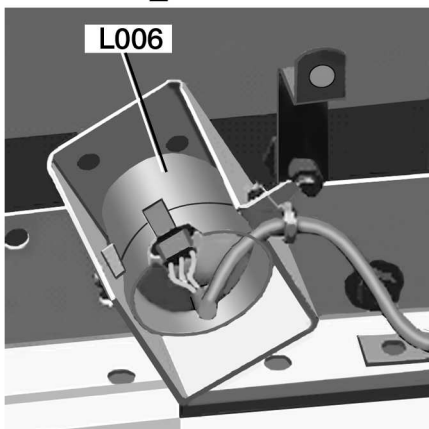
T3117916

Alarm (1/2)

Equipment key

Code	Title of the function	Diagram page No.
B025	Alarm activation and doors locking remote control transmitter	-
B163	Alarm anti-panic control	G20
B172	Alarm siren sound level reduction control	G20
C013	Driver's side door open information position sensor	H02
C014	Front passenger side door open information position sensor	H02
C071	Alarm ultrasonic transmitter sensor	G20
C072	Alarm ultrasonic receiver sensor	G20
C073	Truck combination monitoring module	-
G026	Alarm ECU	G20

Alarm (2/2)



T3117917

Alarm (2/2)

Equipment key

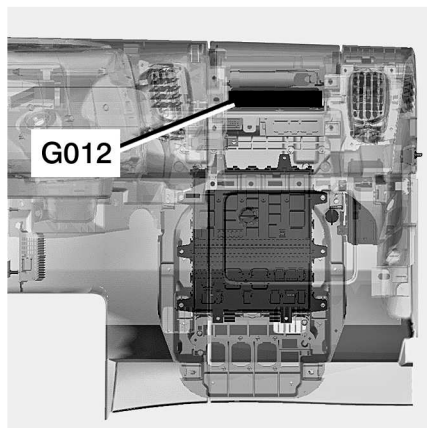
Code	Title of the function	Diagram page No.
L006	Audible warning - alarm siren	G20

Lighting and signalling management

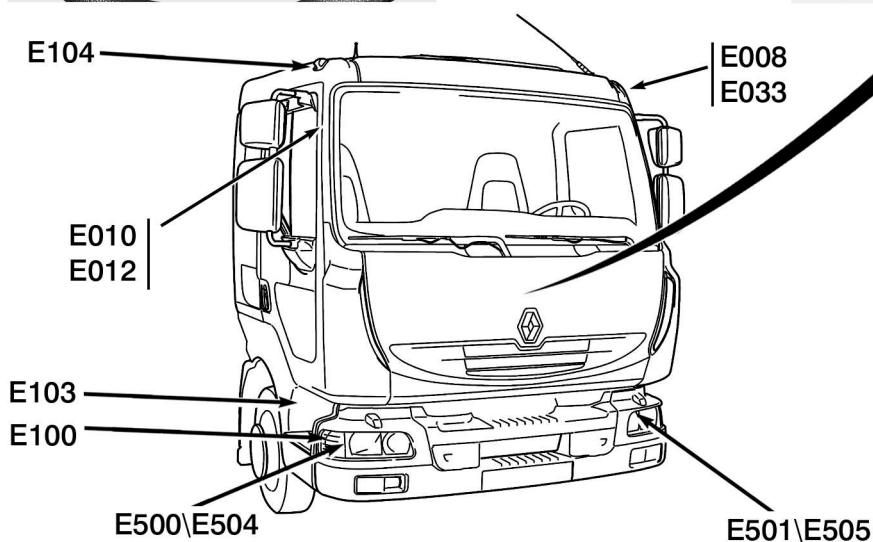


B145
B146
B113
B140
B181
B141

B139 | B137
B138



G012



E104

E008
E033

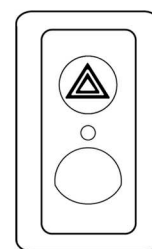
E010
E012

E103

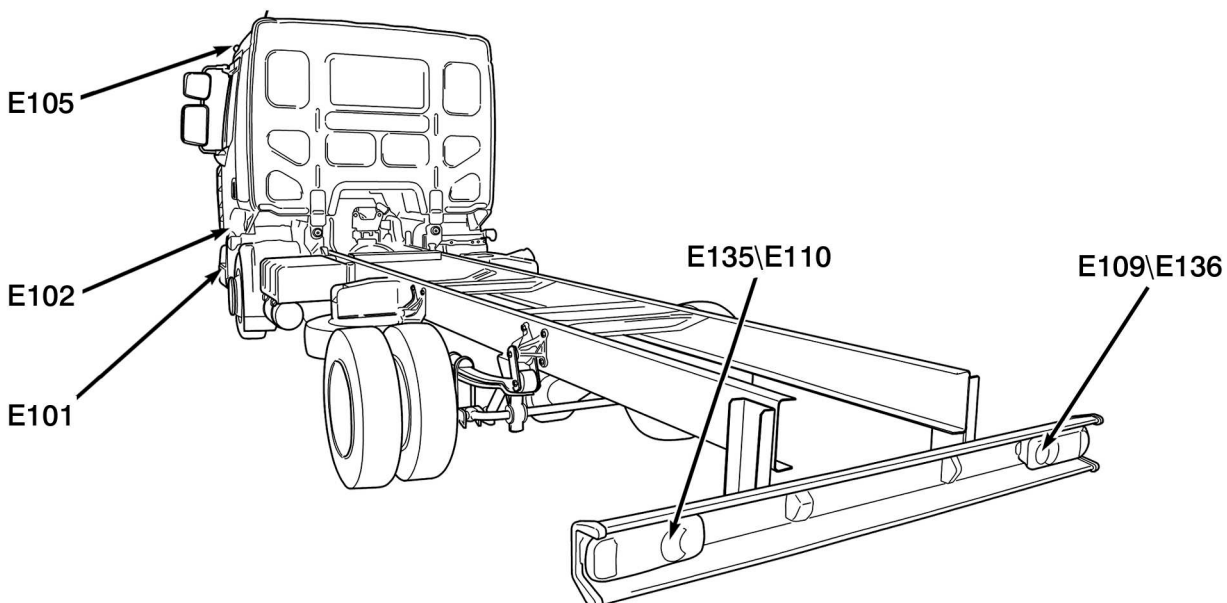
E100

E500\E504

E501\E505



B106



E105

E102

E101

E135\E110

E109\E136

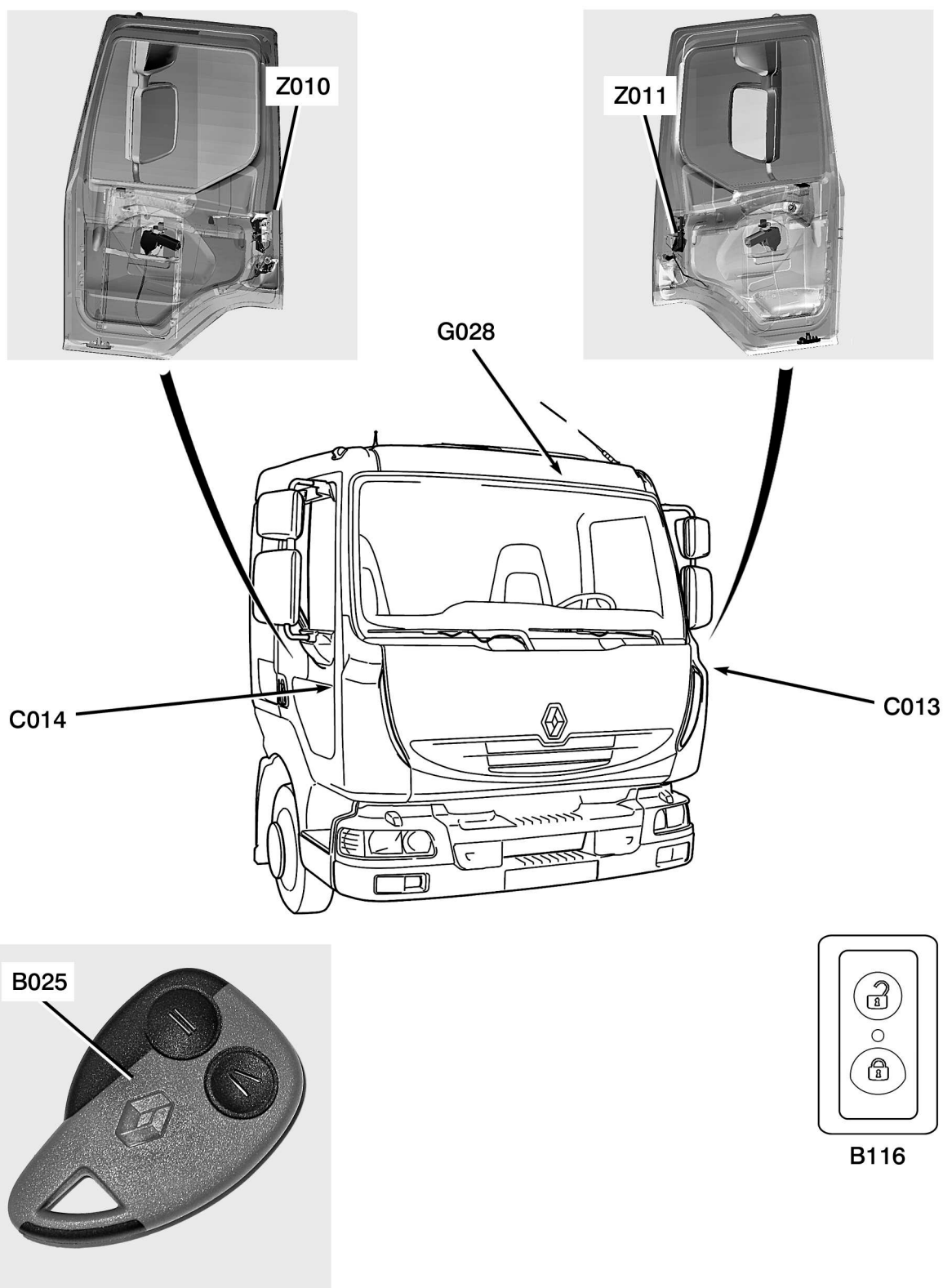
T3117918

Lighting and signalling management

Key to devices

Code	Title of the function	Diagram page No.
B106	Hazard lights control	H01
B113	Side/parking lights control	H02
B137	Windscreen wash control	H02
B138	Windscreen wipe control	H02
B139	Windscreen wiper / windscreen wash / headlamps wash control	H02
B140	Dipped beam headlights control	H02
B141	Main beam headlights control	H02
B143	Steering column fingertip control cluster no. 1	H01/H02
B145	Fog driving lights control	H02
B146	Fog lights control	H02
B181	Direction indicator control	H01
E008	Driver's side single overhead light	H03
E010	Front passenger side single overhead light	H03
E012	RH upper overhead lighting (door)	H03
E033	LH upper overhead lighting (door)	H03
E100	RH front direction indicator lamp(s)	H01
E101	LH front direction indicator lamp(s)	H01
E102	Driver's side stepwell lighting	H03
E103	Front passenger side stepwell lighting	H03
E104	Right-hand direction change indicator lamp on roof	H01
E105	Left-hand direction change indicator lamp on roof	H01
E109	RH rear direction indicator lamp(s)	H01
E110	LH rear direction indicator lamp(s)	H01
E135	Left-hand tail lights unit	H01
E136	Right-hand tail lights unit	H01
E500	Right-hand dipped beam headlamp	H01
E501	Left-hand dipped beam headlamp	H01
E504	Right-hand headlamp unit	H01
E505	Left-hand headlamp unit	H01
G012	Lighting and signalling management control unit	H01/H02/ H03

Door management



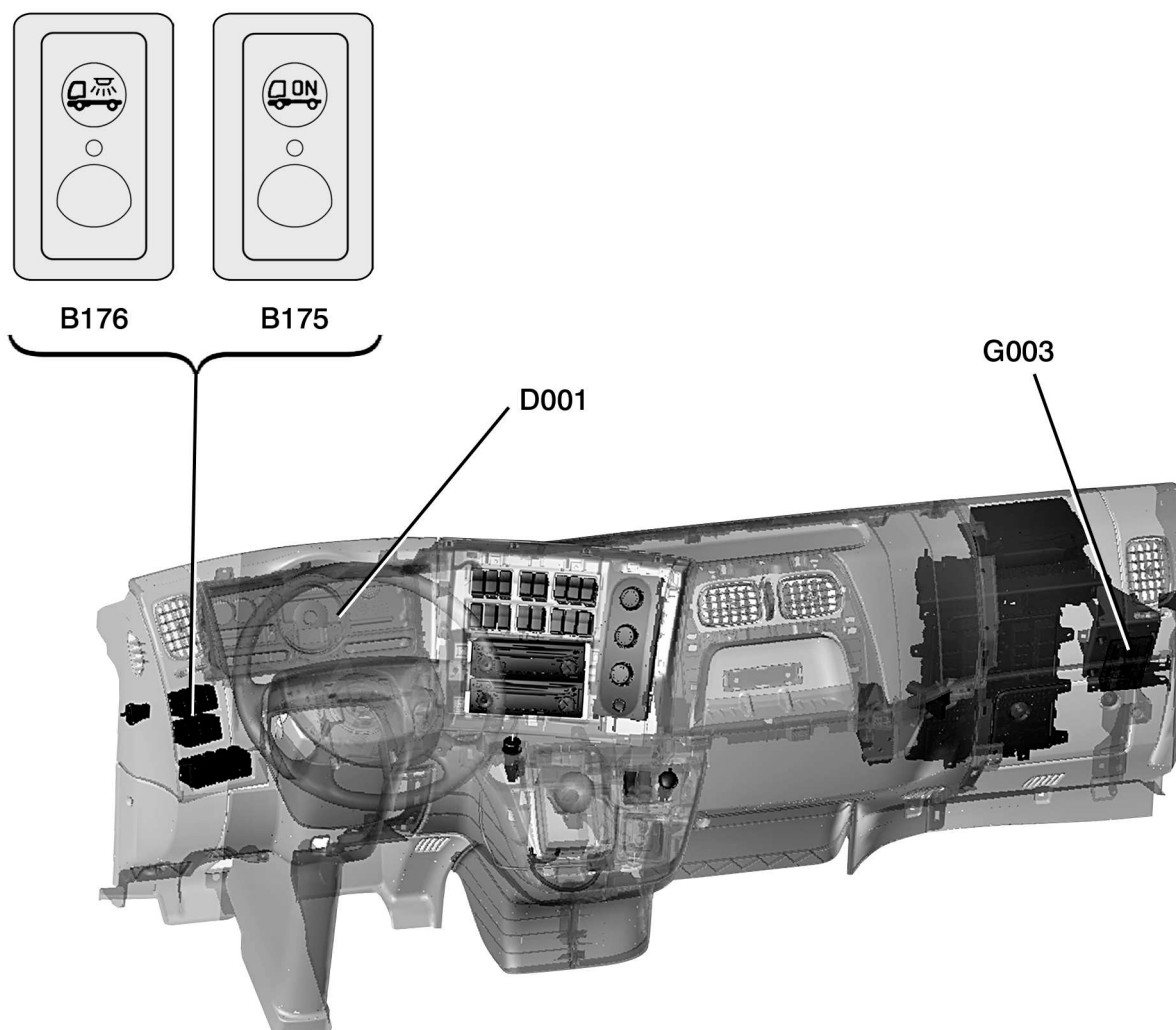
T3117919

Door management

Equipment key

Code	Title of the function	Diagram page No.
B025	Alarm activation and doors locking remote control transmitter	-
B116	Door locking control	G01
C013	Driver's side door open information position sensor	H02
C014	Front passenger side door open information position sensor	H02
G028	Doors central locking ECU	G01
Z010	Front passenger door locking striker unit	G01
Z011	Driver's door locking striker unit	G01

Bodywork pre-equipment and fittings



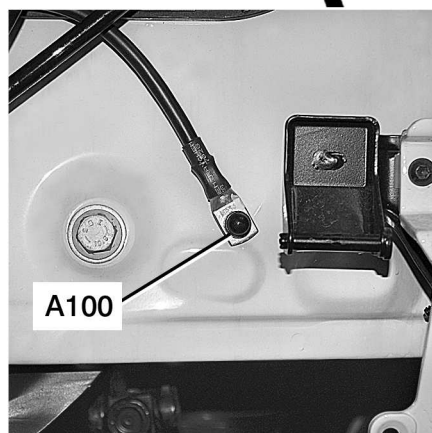
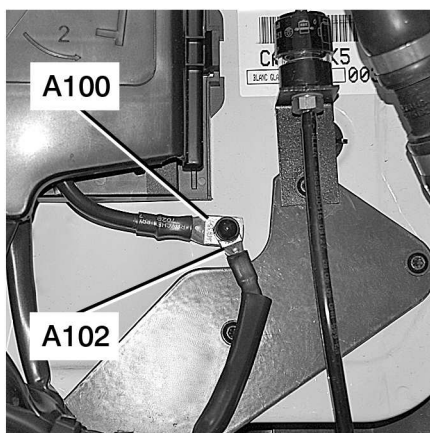
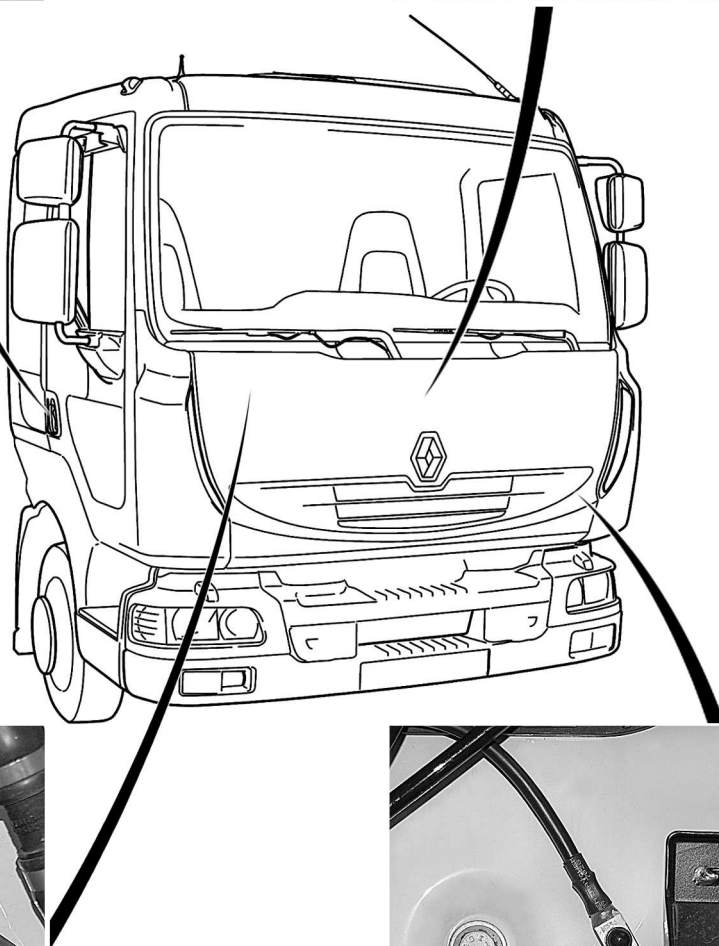
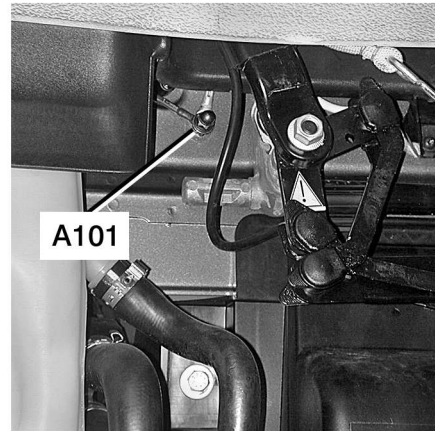
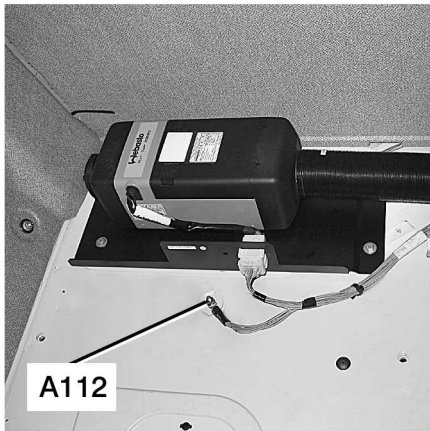
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Bodywork pre-equipment and fittings

Equipment key

Code	Title of the function	Diagram page No.
B175	Body builder pre-equipment control no. 1	J20
B176	Body builder pre-equipment control no. 2	J20
D001	Main information display	B20
G003	Body builder pre-equipment management control unit	J01
X913	Vehicle diagnostic socket	K01

Earths (1/2)



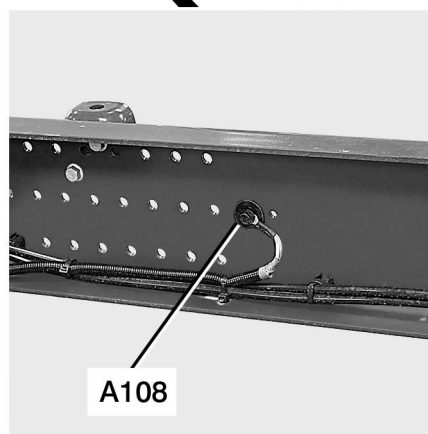
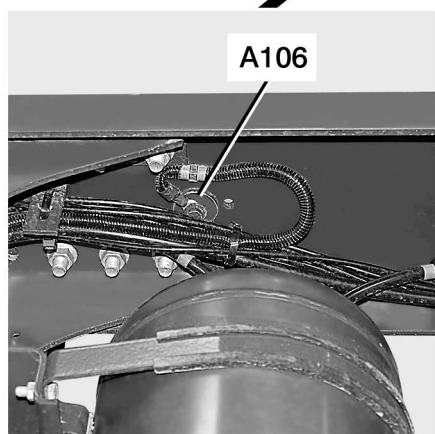
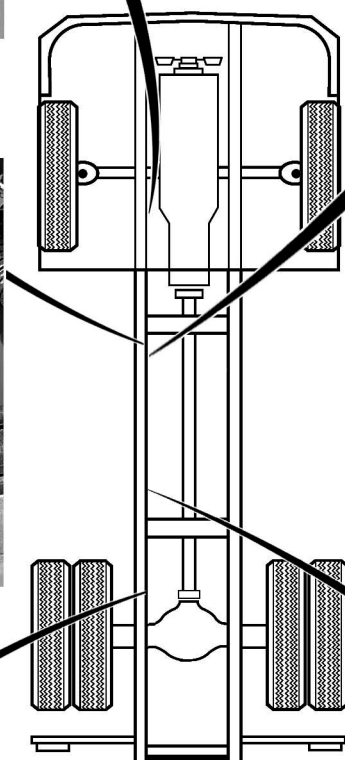
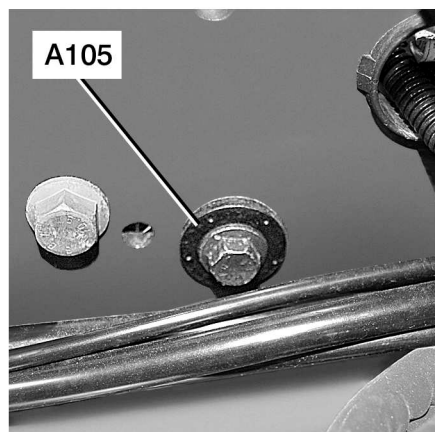
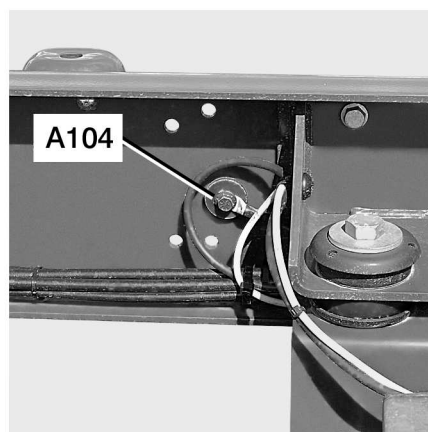
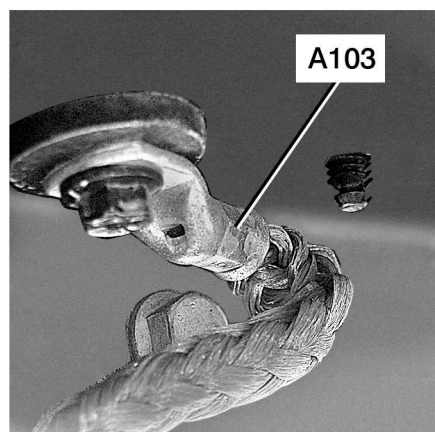
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Earths (1/2)

Equipment key

Code	Title of the function	Diagram page No.
A100	Cab earth - chassis and cab connection	-
A101	Cab earth - windscreen connection	-
A102	Cab earth	-
A112	Cab earth - night heater connection	-

Earths (2/2)



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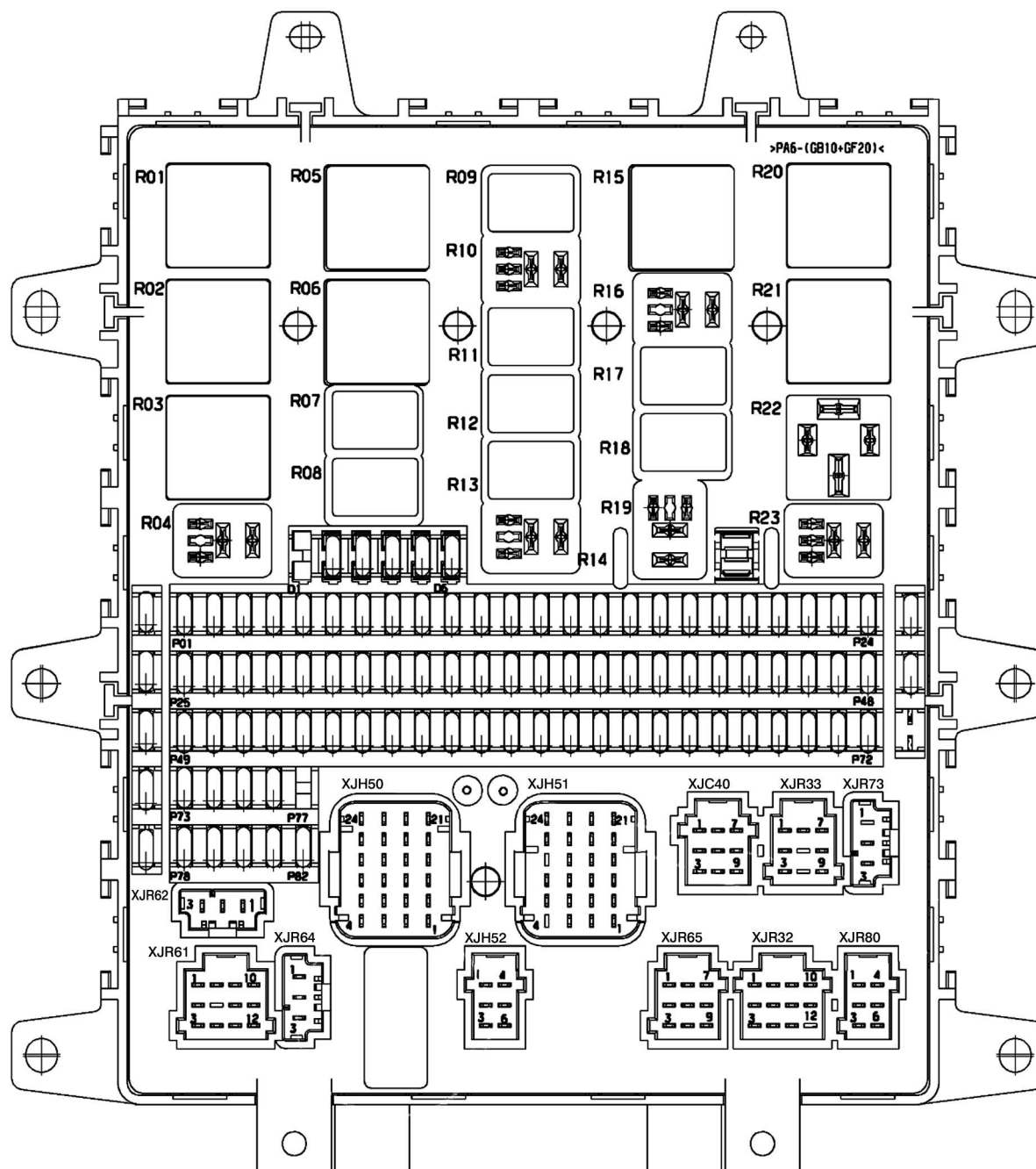
Earths (2/2)

Equipment key

Code	Title of the function	Diagram page No.
A103	Chassis earth - engine starter motor earth connection	-
A104	Chassis earth - electric retarder earth connection	-
A105	Chassis earth - battery box earth connection	-
A106	Chassis earth	-
A108	Chassis earth - trailer/vehicle rear earth connection	-

ELECTRICAL DISTRIBUTION

Table of fuses on electrical distribution box



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Table of fuses on electrical distribution box

Fuse	Int.	Folio (Fuse)	Code	Title of the function	Folio (Code)
F02	10	A42	B128	RH rear door window winder control	I01
F02	10	A42	M058	RH rear door window lift motor	I01
F03	7.5	A40	S300	Cab tilt authorisation and safety relay	A40
F04	5	A44	D001	Main information display	B20
F05	30	A43	M022	Headlamp washer pump motor	H02
F05	30	A43	S401	Headlamp washer pump motor power supply relay	H02
F06	5	A40	D001	Main information display	B20
F07	5	A41	D004	Tachograph	B40
F07	5	A41	G001	Vehicle management control unit	B02
F08	5	A41	D001	Main information display	B20
F08	5	A41	G025	Engine immobiliser ECU	G01
F08	5	A41	G026	Alarm ECU	G20
F08	5	A41	G028	Doors central locking ECU	G01
F08	5	A41	G051	Air production management ECU	F40
F09	5	A41	G003	Body builder pre-equipment management control unit	J01
F10	15	A40	K003	Air conditioning ECU	I70
F11	10	A41	G022	Electric retarder control unit	D30
F12	15	A43	G020	Automatic gearbox ECU	D01/D02/ D03
F13	20	A41	B139	Windscreen wiper / windscreen wash / headlamps wash control	H02
F13	20	A41	M020	Windscreen wipers drive motor	H02
F13	20	A41	M021	Windscreen wash pump motor	H02
F13	20	A41	S400	Windscreen wiper motor time-delay relay	A41
F14	15	A42	J001	Cigarette lighter	I03
F15	5	A45	X913	Vehicle diagnostic socket	K01
F16	10	A41	B164	Rear wheel differential lock control	E01
F16	10	A41	B188	Front wheel differential lock control	C60
F16	10	A41	B189	Selection control	C60
F16	10	A41	G003	Body builder pre-equipment management control unit	J01
F16	10	A41	G005	EBS management control unit	E01
F16	10	A41	V010	PTO No. 1 engagement solenoid valve	B01
F16	10	A41	V018	PTO No. 2 engagement solenoid valve	J01
F16	10	A41	V025	"Low speed" selection control solenoid valve	C60
F16	10	A41	V040	PTO 3 engagement solenoid valve	J01
F16	10	A41	V114	Transfer box high speed control solenoid valve	C60
F17	10	A42	E502	Right-hand main beam headlamp	H01
F18	10	A43	B111	Horn control	H02

F18	10	A43	L008	Electric horn	H02
F18	10	A43	V107	Air horn	H02
F19	5	A40	K003	Air conditioning ECU	I70
F20	10	A40	G026	Alarm ECU	G20
F20	10	A40	G028	Doors central locking ECU	G01
F20	10	A40	H014	Radio set	I21
F21	20	A45	X906	ABS/EBS trailer socket	J40
F22	10	A43	E008	Driver's side single overhead light	H03
F22	10	A43	E010	Front passenger side single overhead light	H03
F22	10	A43	E012	RH upper overhead lighting (door)	H03
F22	10	A43	E033	LH upper overhead lighting (door)	H03
F22	10	A43	E102	Driver's side stepwell lighting	H03
F22	10	A43	E103	Front passenger side stepwell lighting	H03
F23	5	A41	G004	Air suspension control unit	F01/F02/ F03
F24	20	A41	N001	Fuel heater resistor No.2	C01
F24	20	A41	N002	Fuel heater resistor	C01
F25	10	A45	A230	Available power supply (equipment in "road" position icon)	J20
F25	10	A45	A240	Available power supply (lighting)	J20
F25	10	A45	B175	Body builder pre-equipment control no. 1	J20
F25	10	A45	B176	Body builder pre-equipment control no. 2	J20
F25	10	A45	D001	Main information display	B20
F25	10	A45	S900	Available power supply relays (body builder equipment)	J20
F25	10	A45	X900	15-pin trailer socket	J40
F26	15	A41	A205	Available power supply (after ignition)	J21
F27	20	A42	B126	Driver's electric window motor control (driver's side)	I01
F27	20	A42	B127	Front passenger electric window motor control (front passenger side)	I01
F27	20	A42	B130	Front passenger electric window motor control (driver's side)	I01
F27	20	A42	M056	Driver's door window lift motor	I01
F27	20	A42	M057	Front passenger door window lift motor	I01
F28	20	A42	G005	EBS management control unit	E01
F29	10	A40	B026	Automatic transmission gear selector	D02
F29	10	A40	G018	On-board management interface control unit	B60
F29	10	A40	G100	DATAMAX GATEWAY ECU	B61
F30	30	A43	G012	Lighting and signalling management control unit	H02
F31	20	A43	B167	Night heater activation control switch	I40
F31	20	A43	D001	Main information display	B20
F31	20	A43	K002	Air/air night heater	I41
F32	10	A42	A204	Available power supply (after master switch)	J21

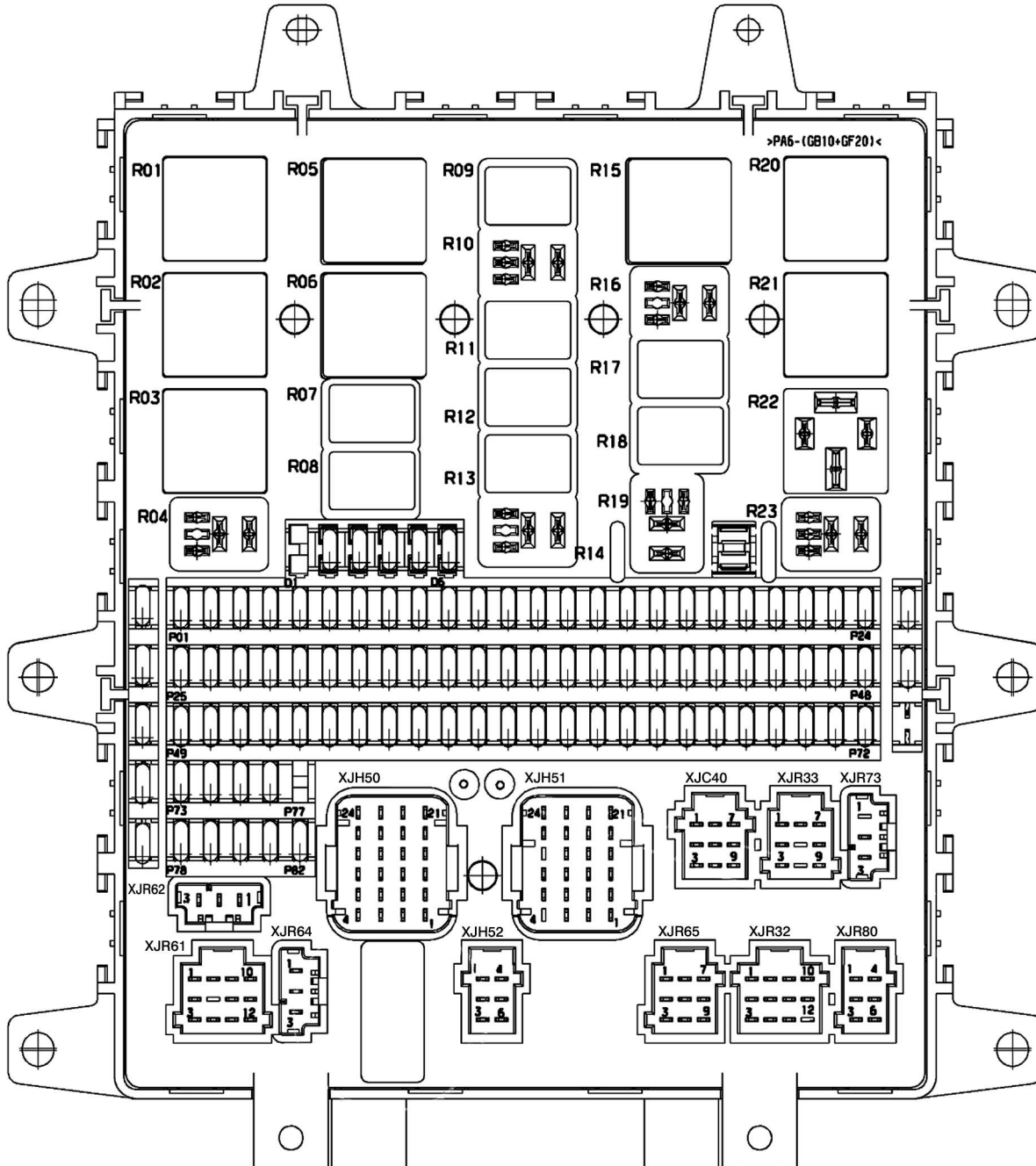
F33	30	A45	A229	Available power supply (body builder equipment control)	J20
F33	30	A45	S900	Available power supply relays (body builder equipment)	J20
F34	3	A40	G018	On-board management interface control unit	B60
F34	3	A40	G100	DATAMAX GATEWAY ECU	B61
F36	10	A40	B106	Hazard lights control	H01
F36	10	A40	G012	Lighting and signalling management control unit	H01
F37	10	A42	A012	Voltage converter (24/12V - 10A) for audio communication system	I21
F37	10	A42	A013	Voltage converter (24/12V - 15A) for audio communication system	I20/I21
F37	10	A42	G018	Onboard management interface control unit	B62
F37	10	A42	H014	Radio set	I21
F38	10	A43	B148	Work lights control	H02
F38	10	A43	E002	LH rear door overhead lamp	H03
F38	10	A43	E003	RH rear door overhead lamp	H03
F38	10	A43	E004	LH rear door stepwell lighting	H03
F38	10	A43	E005	RH rear door stepwell lighting	H03
F38	10	A43	E510	Work light	H02
F38	10	A43	S904	Comfort lighting power supply relay	H03
F39	15	A41	B119	Heated door mirrors and windscreen control	I02
F39	15	A41	G001	Vehicle management control unit	B02
F39	15	A41	N008	LH heated door mirror resistor	I02
F39	15	A41	N009	RH heated door mirror resistor	I02
F39	15	A41	S500	Heated and swivelling door mirror power supply relay	A41
F39	15	A41	S502	Windscreen heating control relay	I02
F40	30	A41	G002	Engine management ECU	C01
F41	15	A41	M002	Starter	A01/A20
F41	15	A41	S020	Starter relay	A41
F41	15	A41	V021	Engine brake solenoid valve No.1	C01
F41	15	A41	V022	Engine brake solenoid valve No.2	C01
F41	15	A41	V023	Engine brake solenoid valve	C01
F41	15	A41	V052	Range change solenoid valve	C01
F41	15	A41	V053	Splitter relay control solenoid valve	C01
F42	10	A41	S501	Air preheating relay	C01
F43	15	A42	X902	24 volt power supply socket	I03
F43	15	A42	X915	Automatic gearbox diagnostic socket	D01/D02/ D03
F46	20	A45	A013	Voltage converter (24/12V - 15A) for audio communication system	I20
F46	20	A45	B108	Rotating beacon(s) control	H01
F46	20	A45	D001	Main information display	B20

F46	20	A45	E114	Rotating beacon No.1	H01
F46	20	A45	E115	Rotating beacon No.2	H01
F46	20	A45	S108	Rotating beacon(s) power supply relay	H01
F47	7.5	A40	G051	Air production management ECU	F40
F48	3	A40	B168	Traction control enabling control	E01
F48	3	A40	G005	EBS management control unit	E01
F49	5	A43	G004	Air suspension control unit	F01/F02/ F03
F49	5	A43	S202	Air suspension ECU power supply relay	A43
F52	10	A40	B103	Key switch unit	A01/A20
F52	10	A40	B026	Automatic transmission gear selector	D02
F52	10	A40	G025	Engine immobiliser ECU	G01
F54	10	A40	A303	On-board management pre-equipment (ECU)	B60
F54	10	A40	G018	Onboard management interface control unit	B62
F54	10	A40	G102	Onboard management control unit	B61/B62
F58	3	A40	B170	Cab emergency stop control	A21
F58	3	A40	G006	Vehicle power supply management ECU (ADR)	A21
F58	3	A40	S021	Alternator circuit earthing relay (ADR)	A40
F59	10	A41	A303	On-board management pre-equipment (ECU)	B60
F59	10	A41	G102	On-board management control unit	B61
F59	10	A41	G018	Onboard management interface control unit	B62
F59	10	A41	S104	Reversing lights power supply relay	A41
F61	15	A42	A011	Voltage converter (24V / 12V) for information technology pack	I03
F64	10	A41	X900	15-pin trailer socket	J40
F66	10	A42	B129	LH rear door window winder control	I01
F66	10	A42	B117	Sunroof opening/closing control (on dashboard)	I01
F66	10	A42	M059	LH rear door window lift motor	I01
F66	10	A42	M060	Electric sunroof motor	I01
F67	10	A41	G019	Gear selector control unit	D01
F67	10	A41	G020	Automatic gearbox ECU	D01/D02/ D03
F68	20	A45	A012	Voltage converter (24/12V - 10A) for audio communication system	I21
F68	20	A45	A013	Voltage converter (24/12V - 15A) for audio communication system	I20
F68	20	A45	A020	Voltage converter (24V/12V) - Integral 12 and 24 Volt sockets	I03
F68	20	A45	X909	Supplementary power supply socket 24 volts	I03
F70	10	A41	X906	ABS/EBS trailer socket	J40
F71	15	A41	A205	Available power supply (after ignition)	J20
F72	10	A42	D001	Main information display	B20
F72	10	A42	E503	Left-hand main beam headlamp	H01

F75	15	A40	A247	Available power supply (alternator signal, engine running)	J20
F75	15	A40	J002	RH heated seat assembly	I03
F75	15	A40	J003	LH heated seat assembly	I03
F76	10	A40	D006	Vehicle hour-meter	B40
F76	10	A40	K002	Air/air night heater	I41
F76	10	A40	S021	Alternator circuit earthing relay (ADR)	A40
F77	15	A43	A204	Available power supply (after master switch)	J20/J21
F90	3	A45	B113	Side/parking lights control	H02
F90	3	A45	B140	Dipped beam headlights control	H02
F90	3	A45	B141	Main beam headlights control	H02
F90	3	A45	B145	Fog driving lights control	H02
F90	3	A45	B146	Fog lights control	H02
F90	3	A45	B181	Direction indicator control	H01
F90	3	A45	G012	Lighting and signalling management control unit	H01
F90	3	A45	S101	Fog lights power supply relay	H02
F90	3	A45	S102	Main beam headlights power supply relay	H02
F90	3	A45	S103	Fog driving lights power supply relay	H02
F90	3	A45	S106	Switches night lighting power supply relay	H02
F91	10	A44	E122	Right-hand marker light No.1	H01
F91	10	A44	E123	Right-hand marker light No.2	H01
F91	10	A44	E124	Front left side/parking light(s)	H01
F91	10	A44	E130	Registration plate light(s)	H01
F91	10	A44	E131	Right-hand marker light No.3	H01
F91	10	A44	E132	Right-hand marker light No.4	H01
F91	10	A44	E138	Rear left side/parking light(s)	H01
F91	10	A44	E144	Roof LH side/parking light	H03
F92	10	A44	E125	Front right side/parking light(s)	H01
F92	10	A44	E128	Left-hand marker light No.3	H01
F92	10	A44	E129	Left-hand marker light No.4	H01
F92	10	A44	E133	Left-hand marker light No.1	H01
F92	10	A44	E134	Left-hand marker light No.2	H01
F92	10	A44	E137	Rear right side/parking light(s)	H01
F92	10	A44	E145	Roof RH side/parking light	H03
F93	10	A44	A295	Available power supply (rear right-hand marker light (s))	J21
F93	10	A44	E126	RH side marker light(s)	H02
F93	10	A44	X900	15-pin trailer socket	J40
F94	15	A44	A294	Available power supply (rear left-hand marker light(s))	J21
F94	15	A44	E127	LH side marker light(s)	H02
F94	15	A44	X900	15-pin trailer socket	J40

F96	3	A45	O000	Instruments and controls night lighting	-
F97	5	A45	A297	Available power supply (night lighting)	J21
F100	15	A42	D001	Main information display	B20
F100	15	A42	E506	Fog driving light, LH	H01
F100	15	A42	E507	Fog driving light, RH	H01
F100	15	A42	S102	Headlamp main beam power supply relay	A42
F100	15	A42	S103	Fog lights power supply relay	A42
F101	10	A42	D001	Main information display	B20
F101	10	A42	E116	RH rear fog light(s)	H01
F101	10	A42	E117	LH rear fog light(s)	H01
F101	10	A42	X900	15-pin trailer socket	J40
F103	10	A41	A253	Available power supply (reversing information)	J20
F103	10	A41	B151	Reversing buzzer deactivation control	H03
F103	10	A41	E141	Left-hand reversing light(s)	H01
F103	10	A41	E142	Right-hand reversing light(s)	H01
F103	10	A41	L004	External audible warning	H03
F103	10	A41	S104	Reversing lights power supply relay	A41
F103	10	A41	X900	15-pin trailer socket	J40
F104	10	A40	E119	Left-hand brake light(s)	H01
F104	10	A40	E120	Right-hand brake light(s)	H01
F104	10	A40	S100	Brake lights power supply relay	A40
F104	10	A40	X900	15-pin trailer socket	J40
F105	10	A40	S915	Rear door striker unlocking power supply relay	G01
F105	10	A40	S916	Rear door striker locking power supply relay	G01
F105	10	A40	Z012	RH rear door locking striker assembly	G01
F105	10	A40	Z013	LH rear door locking striker assembly	G01
F106	15	A41	N003	Fuel heater resistor No.3	C01
F107	10	A41	C077	Nitrogen oxide concentration sensor	C30
F107	10	A41	G030	Urea supply management pump module	C30
F108	20	A40	K002	Air/air night heater	I40

Table of relays on distribution box



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Table of relays on distribution box

Relay	Item Relay	Int. (A)	Folio (Relay)	Code	Title of the function	Folio (Code)
S001	R01	50	A40	B026	Automatic transmission gear selector	D02
S001	R01	50	A40	B168	RH rear door window winder control	I01
S001	R01	50	A40	G005	EBS management control unit	E01
S001	R01	50	A40	G100	DATAMAX GATEWAY ECU	B61
S001	R01	50	A40	K003	Air conditioning ECU	I70
S001	R01	50	A40	S300	Cab tilt authorisation and safety relay	A40/B01
S002	R02	50	A41	A303	On-board management pre-equipment (ECU)	B60
S002	R02	50	A41	B119	Heated door mirrors and windscreen control	I02
S002	R02	50	A41	B139	Windscreen wiper / windscreen wash / head-lamps wash control	H02
S002	R02	50	A41	G001	Vehicle management control unit	B01/B02
S002	R02	50	A41	G018	Onboard management interface control unit	A94
S002	R02	50	A41	G022	Electric retarder control unit	D30
S002	R02	50	A41	G102	Onboard management control unit	B61/B62
S002	R02	50	A41	M020	Windscreen wipers drive motor	H02
S002	R02	50	A41	M021	Windscreen wash pump motor	H02
S002	R02	50	A41	N008	LH heated door mirror resistor	I02
S002	R02	50	A41	N009	RH heated door mirror resistor	I02
S002	R02	50	A41	S104	Reversing lights power supply relay	A41/B01/ H01/H03/ J20/J40
S002	R02	50	A41	S400	Windscreen wiper motor time-delay relay	A41/H02
S002	R02	50	A41	S500	Heated and swivelling door mirror power supply relay	A41/B01/ B02/I02
S002	R02	50	A41	S502	Windscreen heating control relay	I02
S002	R02	50	A41	X906	ABS/EBS trailer socket	J40
S003	R03	50	A41	B164	Rear wheel differential lock control	E01
S003	R03	50	A41	B188	Front wheel differential lock control	C60
S003	R03	50	A41	B189	Selection control	C60
S003	R03	50	A41	G003	Body builder pre-equipment management control unit	J01
S003	R03	50	A41	G004	Air suspension control unit	F01/F02/ F03
S003	R03	50	A41	G005	EBS management control unit	E01
S003	R03	50	A41	N001	Fuel heater resistor No.2	C01
S003	R03	50	A41	N002	Fuel heater resistor	C01
S003	R03	50	A41	N003	Fuel heater resistor No.3	C01
S003	R03	50	A41	V010	PTO No. 1 engagement solenoid valve	B01
S003	R03	50	A41	V018	PTO No. 2 engagement solenoid valve	J01
S003	R03	50	A41	V025	"Low speed" selection control solenoid valve	C60

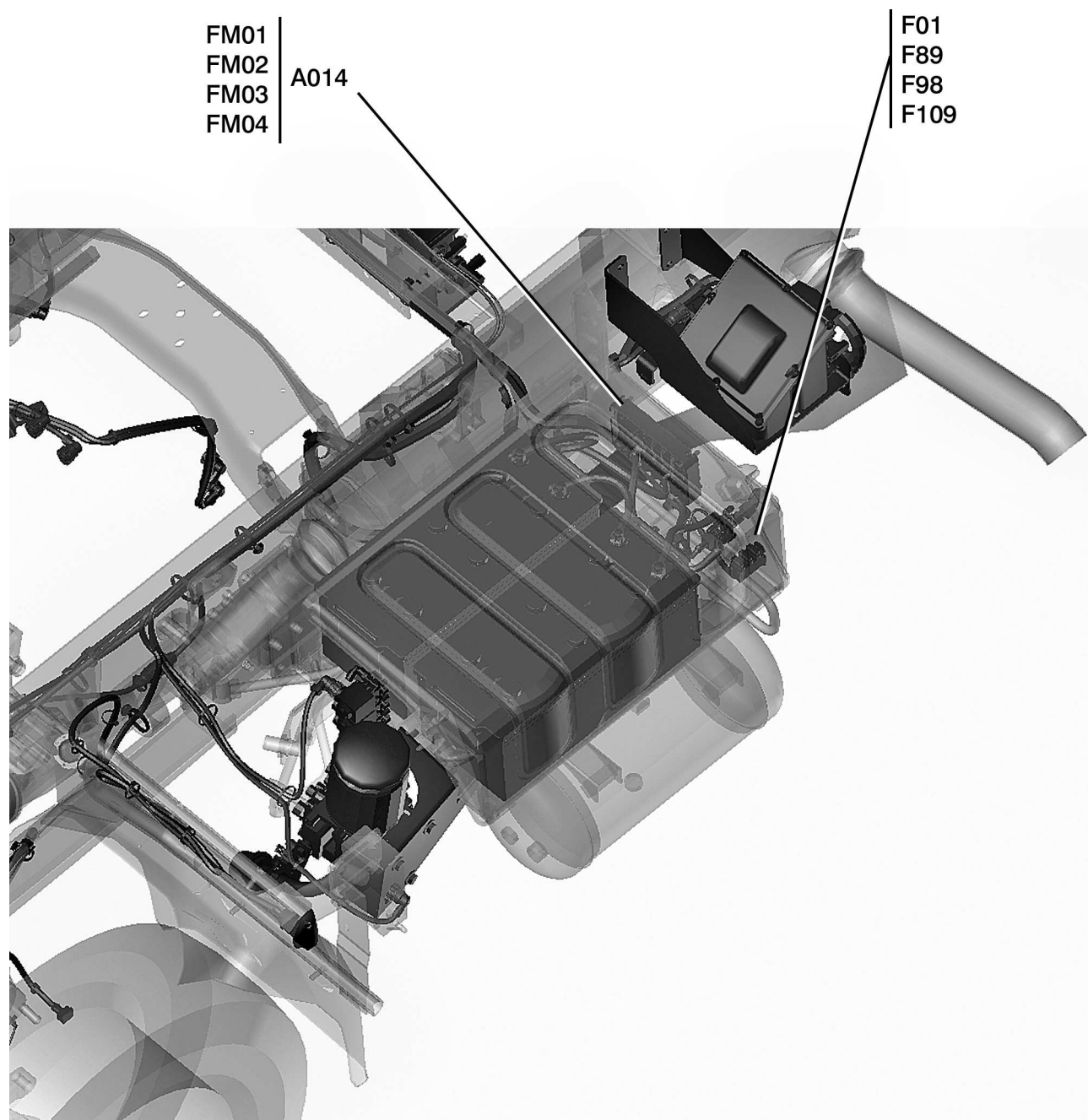
S003	R03	50	A41	V040	PTO 3 engagement solenoid valve	J01
S003	R03	50	A41	V114	Transfer box high speed control solenoid valve	C60
S003	R03	50	A41	X900	15-pin trailer socket	J40
S004	R21	50	A42	A011	Voltage converter (24V / 12V) for information technology pack	I03
S004	R21	50	A42	A012	Voltage converter (24/12V - 10A) for audio communication system	II21
S004	R21	50	A42	A013	Voltage converter (24/12V - 15A) for audio communication system	I20/I21
S004	R21	50	A42	B126	Driver's electric window motor control (driver's side)	I01
S004	R21	50	A42	B127	Front passenger electric window motor control (front passenger side)	I01
S004	R21	50	A42	B130	Front passenger electric window motor control (driver's side)	I01
S004	R21	50	A42	G018	Onboard management interface control unit	B60/B62
S004	R21	50	A42	J001	Cigarette lighter	I03
S004	R21	50	A42	M056	Driver's door window lift motor	I01
S004	R21	50	A42	M057	Front passenger door window lift motor	I01
S005	R22	50	A42	B117	Sunroof opening/closing control (on dashboard)	I01
S005	R22	50	A42	B128	RH rear door window winder control	I01
S005	R22	50	A42	B129	LH rear door window winder control	I01
S005	R22	50	A42	M058	RH rear door window lift motor	I01
S005	R22	50	A42	M059	LH rear door window lift motor	I01
S005	R22	50	A42	M060	Electric sunroof motor	I01
S020	R17	10	A41	M002	Starter	A01/A20
S021	R10	10	A40	W100	Alternator circuit draw resistor	A20/A40
S022	R05	20	A40	A247	Available power supply (alternator signal, engine running)	J20
S022	R05	20	A40	D006	Vehicle hour-meter	B40
S022	R05	20	A40	J002	RH heated seat assembly	I03
S022	R05	20	A40	K002	Air/air independent heater	I40/I41
S022	R05	20	A40	S021	Alternator circuit earthing relay (ADR)	A20/A21/ A40
S100	R13	10	A40	E119	Left-hand brake light(s)	H01
S100	R13	10	A40	E120	Right-hand brake light(s)	H01
S100	R13	10	A40	X900	15-pin trailer socket	J40
S101	R18	10	A42	D001	Main information display	B20
S101	R18	10	A42	E116	RH rear fog light(s)	H01
S101	R18	10	A42	E117	LH rear fog light(s)	H01
S101	R18	10	A42	X900	15-pin trailer socket	J40
S102	R09	10	A42	D001	Main information display	B20
S102	R09	10	A42	E502	Right-hand main beam headlamp	H01
S102	R09	10	A42	E503	Left-hand main beam headlamp	H01

S103	R23	10	A42	D001	Main information display	B20
S103	R23	10	A42	E504	Right-hand headlamp unit	H01
S103	R23	10	A42	E505	Left-hand headlamp unit	H01
S104	R08	10	A41	A253	Available power supply (reversing information)	J20
S104	R08	10	A41	B151	Reversing buzzer deactivation control	H03
S104	R08	10	A41	E141	Left-hand reversing light(s)	H01
S104	R08	10	A41	E142	Right-hand reversing light(s)	H01
S104	R08	10	A41	L004	External audible warning	H03
S104	R08	10	A41	X900	15-pin trailer socket	J40
S105	R06	20	A44	A294	Available power supply (rear left-hand marker light(s))	J21
S105	R06	20	A44	A295	Available power supply (rear right-hand marker light(s))	J21
S105	R06	20	A44	E126	RH side marker light(s)	H02
S105	R06	20	A44	E127	LH side marker light(s)	H02
S105	R06	20	A44	X900	15-pin trailer socket	J40
S106	R07	10	A45	A297	Available power supply (night lighting)	J21
S106	R07	10	A45	B002	Air suspension 'up' position remote control	F01/F03
S106	R07	10	A45	B003	Air suspension 'down' position remote control	F01/F03
S106	R07	10	A45	B004	Air suspension memorised position remote control	F01/F03
S106	R07	10	A45	B026	Automatic transmission gear selector	D01/D02
S106	R07	10	A45	B106	Hazard lights control	H02
S106	R07	10	A45	B108	Rotating beacon(s) control	H02
S106	R07	10	A45	B116	Door locking control	G01
S106	R07	10	A45	B117	Sunroof opening/closing control (on dashboard)	I01
S106	R07	10	A45	B119	Heated door mirrors and windscreen control	I02
S106	R07	10	A45	B126	Driver's electric window motor control (driver's side)	I01
S106	R07	10	A45	B128	RH rear door window winder control	I01
S106	R07	10	A45	B129	LH rear door window winder control	I01
S106	R07	10	A45	B130	Front passenger electric window motor control (driver's side)	I01
S106	R07	10	A45	B133	Independent heater timer control	I40/I41
S106	R07	10	A45	B135	Cruise control and engine speed regulator actuating control	B02
S106	R07	10	A45	B136	Cruise control and engine speed regulator adjustment control	B02
S106	R07	10	A45	B142	Headlamps ride corrector control	H12
S106	R07	10	A45	B148	Work lights control	H02
S106	R07	10	A45	B151	Reversing buzzer deactivation control	H03
S106	R07	10	A45	B156	"ASR" cut-off control	E01
S106	R07	10	A45	B159	Engine speed set-point control for difficult terrain	B01

S106	R07	10	A45	B163	Alarm anti-panic control	G20
S106	R07	10	A45	B164	Rear wheel differential lock control	E01
S106	R07	10	A45	B167	Independent heating activation control switch	I40/I41
S106	R07	10	A45	B168	Traction control enabling control	E01
S106	R07	10	A45	B170	Cab emergency stop control	A21
S106	R07	10	A45	B172	Alarm siren sound level reduction control	G20
S106	R07	10	A45	B175	Body builder pre-equipment control No. 1	J20
S106	R07	10	A45	B176	Body builder pre-equipment control No. 2	J20
S106	R07	10	A45	B177	Power take-off No. 1 engagement request control (in cab)	B01
S106	R07	10	A45	B182	Auto/manual selection control	B01
S106	R07	10	A45	B185	Power take-off No. 2 engagement request control (in cab)	J01
S106	R07	10	A45	B188	Front wheel differential lock control	C60
S106	R07	10	A45	B189	Selection control	C60
S106	R07	10	A45	B190	Power take-off No. 3 engagement request control (in cab)	J01
S106	R07	10	A45	B191	Transfer box differential lock control	E01
S106	R07	10	A45	B207	Emergency call control	B62
S106	R07	10	A45	E037	Gear selector lighting	D03
S106	R07	10	A45	J001	Cigarette lighter	I03
S106	R07	10	A45	K003	Air conditioning ECU	I70
S107	R12	10	A44	E122	Right-hand marker light No.1	H02
S107	R12	10	A44	E123	Right-hand marker light No.2	H02
S107	R12	10	A44	E124	Front left side/parking light(s)	H12/H13
S107	R12	10	A44	E125	Front right side/parking light(s)	H12/H13
S107	R12	10	A44	E128	Left-hand marker light No.3	H02
S107	R12	10	A44	E129	Left-hand marker light No.4	H02
S107	R12	10	A44	E130	Registration plate light(s)	H01
S107	R12	10	A44	E131	Right-hand marker light No.3	H02
S107	R12	10	A44	E132	Right-hand marker light No.4	H02
S107	R12	10	A44	E133	Left-hand marker light No.1	H02
S107	R12	10	A44	E134	Left-hand marker light No.2	H02
S107	R12	10	A44	E137	Rear right side/parking light(s)	H01
S107	R12	10	A44	E138	Rear left side/parking light(s)	H01
S107	R12	10	A44	E144	Roof LH side/parking light	H02
S107	R12	10	A44	E145	Roof RH side/parking light	H02
S200	R16	10	A44	A255	Available power supply (gearbox neutral information)	J20
S200	R16	10	A44	C057	Neutral position sensor	B02
S201	R20	50	A41	C077	Nitrogen oxide concentration sensor	C30
S201	R20	50	A41	D004	Tachograph	B40

S201	R20	50	A41	G001	Vehicle management control unit	B01/B02
S201	R20	50	A41	G002	Engine management ECU	C01/C02
S201	R20	50	A41	G003	Body builder pre-equipment management control unit	J01
S201	R20	50	A41	G030	Urea supply management pump module	C30
S201	R20	50	A41	M002	Starter	A01/A20
S201	R20	50	A41	S020	Starter relay	A01/A20/ A41/B02
S201	R20	50	A41	S501	Air preheating relay	C01
S201	R20	50	A41	V021	Engine brake solenoid valve No.1	C01
S201	R20	50	A41	V022	Engine brake solenoid valve No.2	C01
S201	R20	50	A41	V023	Engine brake solenoid valve	C01
S201	R20	50	A41	V052	Range change solenoid valve	C01
S201	R20	50	A41	V053	Splitter relay control solenoid valve	C01
S202	R19	10	A43	G004	Air suspension control unit	F01/F02/ F03
S300	R11	10	A40	A254	Available power supply (parking brake information)	J20
S400	R15	20	A41	B139	Windscreen wiper / windscreen wash / head-lamps wash control	H02
S400	R15	20	A41	G012	Lighting and signalling management control unit	H02
S500	R04	10	A41	G001	Vehicle management control unit	B01/B02
S500	R04	10	A41	S502	Windscreen heating control relay	I02
S500	R04	10	A41	Z008	Left-hand swivelling heated door mirror	I02
S500	R04	10	A41	Z009	Right-hand swivelling heated door mirror	I02

Table of fuses outside electrical distribution box



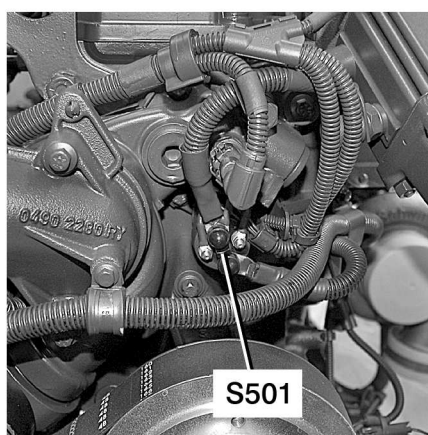
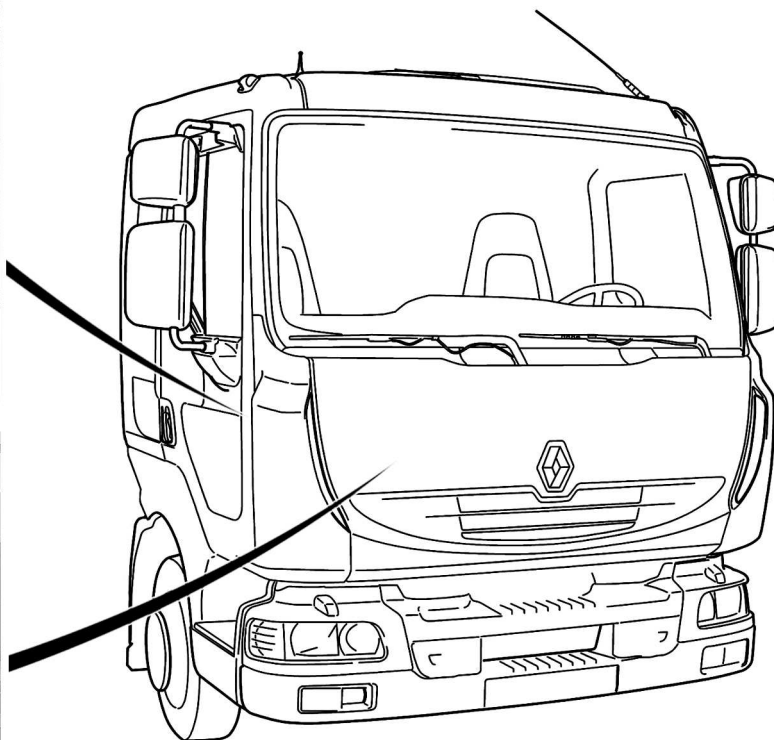
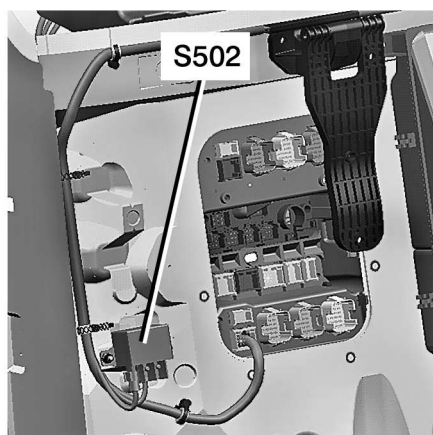
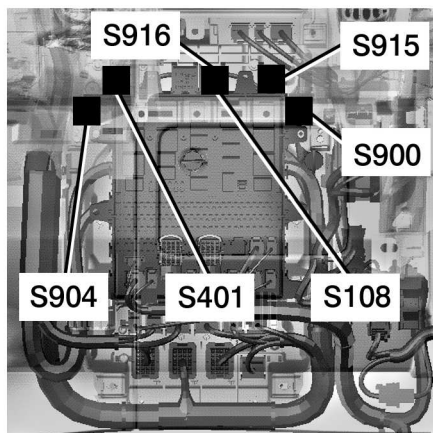
T3117920

Table of fuses outside electrical distribution box

Fuse	Int.	Folio (Fuse)	Code	Title of the function	Folio (Code)
F01	25	A01/A20	D001	Main information display	B20
F01	25	A01/A20	G012	Lighting and signalling management control unit	H02
F01	25	A01/A20	G026	Alarm ECU	G20
F01	25	A01/A20	G028	Doors central locking ECU	G01
F01	25	A01/A20	K002	Air/air independent heater	I40/I41
F01	25	A01/A20	Z012	RH rear door locking striker assembly	G01
F01	25	A01/A20	Z013	LH rear door locking striker assembly	G01
F89	5	B40	D001	Main information display	B20
F89	5	B40	D004	Tachograph	B40
F98	30	A01/A21	G020	Automatic gearbox ECU	D01/D02/ D03
F109	25	C30	G030	Urea supply management pump module	C30
FM01	125	A01/A20	D001	Main information display	B20
FM01	125	A01/A20	G002	Engine management ECU	C01/C02
FM01	125	A01/A20	N004	Air preheating resistor	C01
FM02	200	A01	M100	Winch drive motor	A01
FM02	200	A01	X907	Ground power receptacle	A01/A20
FM03	125	A01/A20	O001	+24 V after master switch	-
FM04	40	A01/A20	N010	Heated windscreen resistor	I02

A014	Power fuse box unit (FM1 to FM4)
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Table of relays outside electrical distribution box

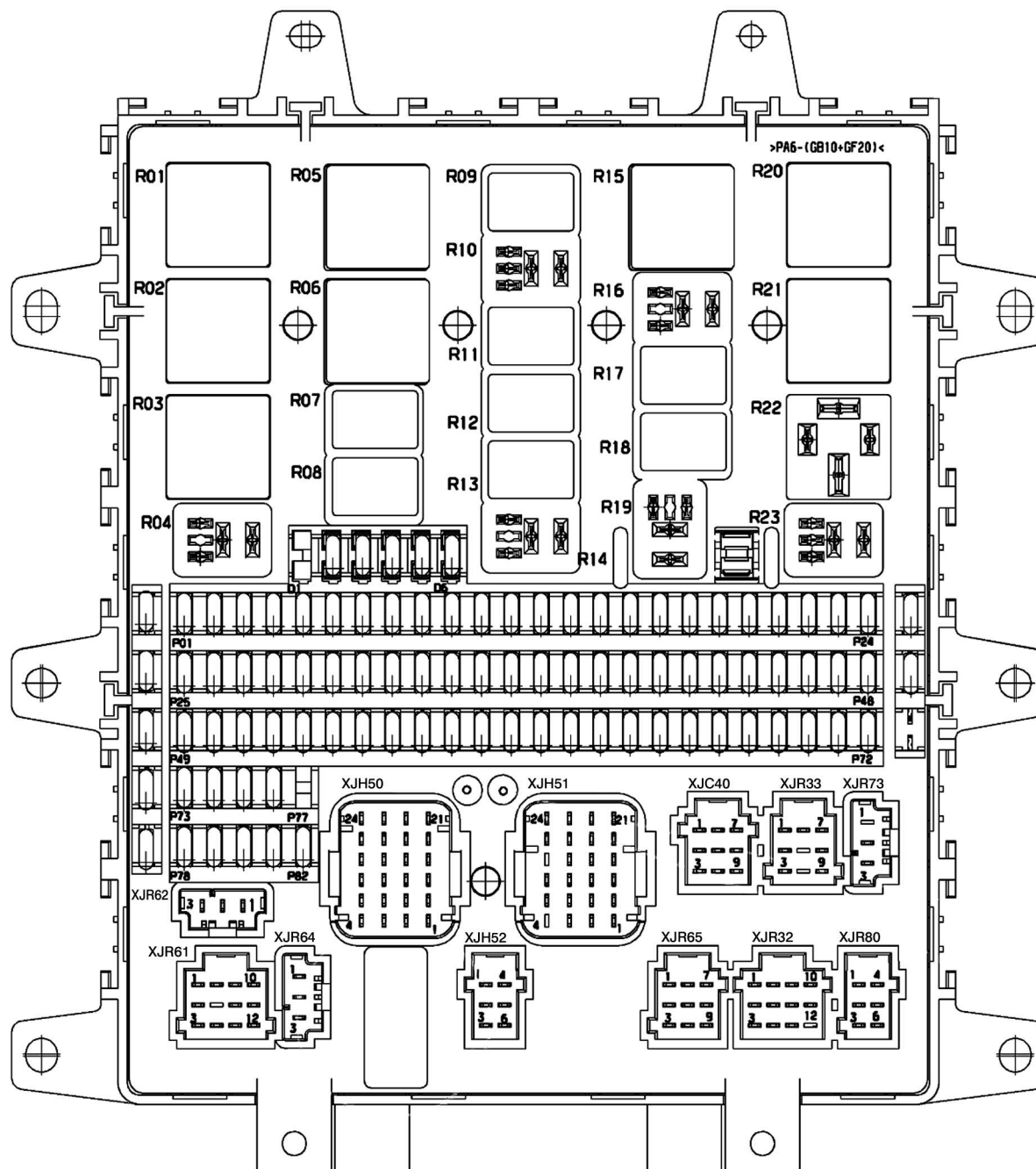


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Table of relays outside electrical distribution box

Relay	Item Relay	Int.	Folio (Relay)	Code	Title of the function	Folio (Code)
S108	RE04	10	H02	D001	Main information display	B20
S108	RE04	10	H02	E114	Rotating beacon No.1	H02
S108	RE04	10	H02	E115	Rotating beacon No.2	H02
S401	RE01	20	H02	M022	Headlamp washer pump motor	H02
S501	RE03	50	C01	D001	Main information display	B20
S501	RE03	50	C01	G002	Engine management ECU	C01/C02
S501	RE03	50	C01	N004	Air preheating resistor	C01
S502	RE05	50	I02	N010	Heated windscreen resistor	I02
S900	RE15	20	J20	A229	Available power supply (body builder equipment control)	J20
S904	RE07	10	H03	E002	LH rear door overhead lamp	H03
S904	RE07	10	H03	E003	RH rear door overhead lamp	H03
S904	RE07	10	H03	E004	LH rear door stepwell lighting	H03
S904	RE07	10	H03	E005	RH rear door stepwell lighting	H03
S915	RE17	10	G01	Z012	RH rear door locking striker assembly	G01
S915	RE17	10	G01	Z013	LH rear door locking striker assembly	G01
S916	RE18	10	G01	Z012	RH rear door locking striker assembly	G01
S916	RE18	10	G01	Z013	LH rear door locking striker assembly	G01

Electrical distribution box - Face A connectors



T3102081

Electrical distribution box - Face A connectors

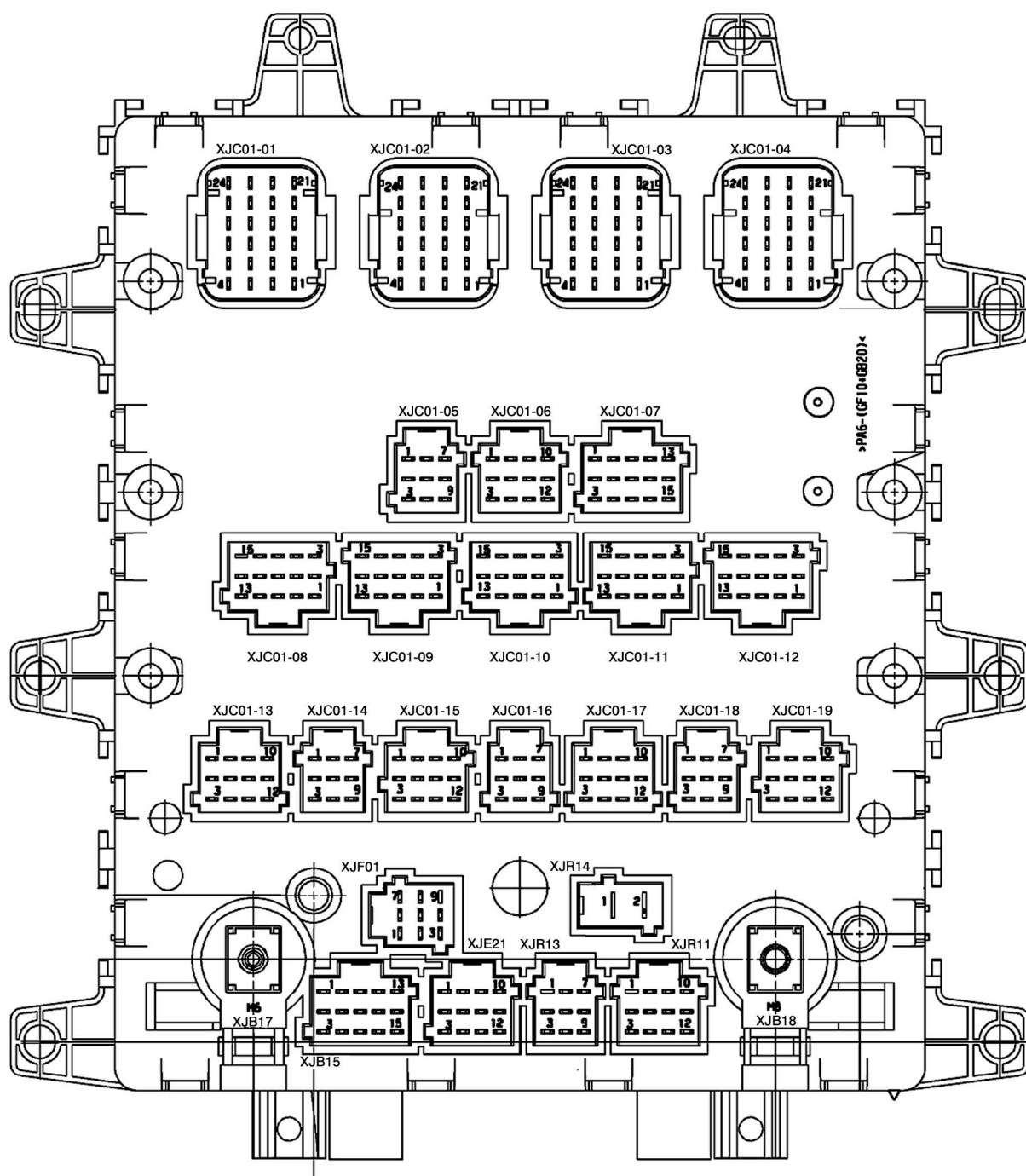
A		XJH50	A001
B		XJH51	A001
C		XJH52	A001
D		XJR32	A001
E		XJR33	A001
		XJR61	A001
		XJR62	A001
		XJR65	A001
		XJR73	A001

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Electrical distribution box - Face A connectors

Conn. marking	Function description	Colour	No. of pins
XJC40	Not used	-	-
XJH50	Overhead console wiring harness	Y	24
XJH51	Overhead console wiring harness	GN	24
XJH52	Overhead console wiring harness	NL	6
XJR32	Centre console wiring harness	NL	12
XJR33	Centre console wiring harness	BL	9
XJR61	Night heater wiring harness	LBL	12
XJR62	ADR-specific night heater equipment	GR	3
XJC64	Not used	-	-
XJR65	Heated seats wiring harness	Y	9
XJR73	Hour-meter wiring harness	SB	3
XJC80	Not used	-	-

Electrical distribution box - Face B connectors



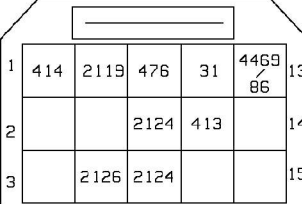
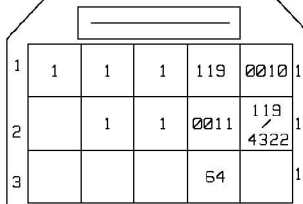
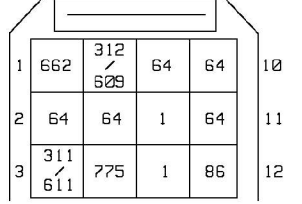
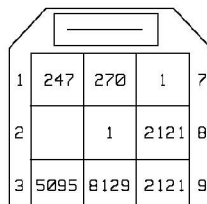
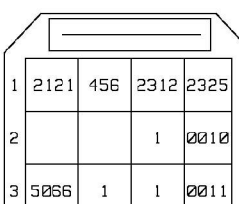
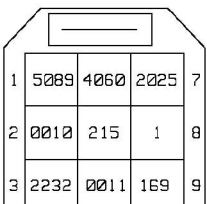
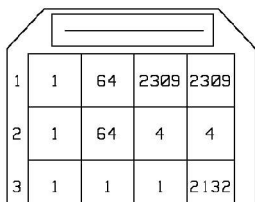
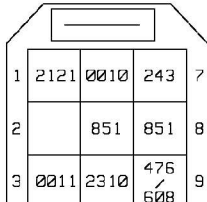
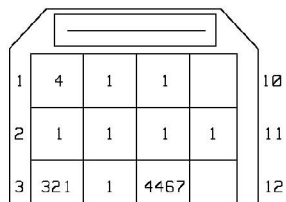
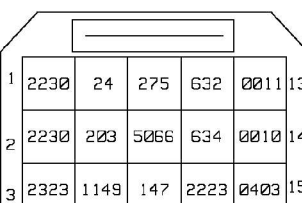
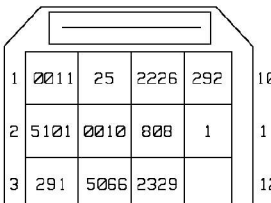
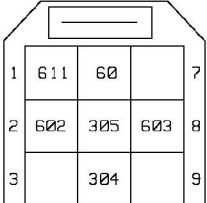
T3102084

Electrical distribution box - Face B connectors

A		XJC01_01	A001
B		XJC01_02	A001
C		XJC01_03	A001
D		XJC01_04	A001
E		XJC01_05	A001
		XJC01_06	A001
		XJC01_07	A001
		XJC01_08	A001
		XJC01_09	A001
		XJC01_10	A001

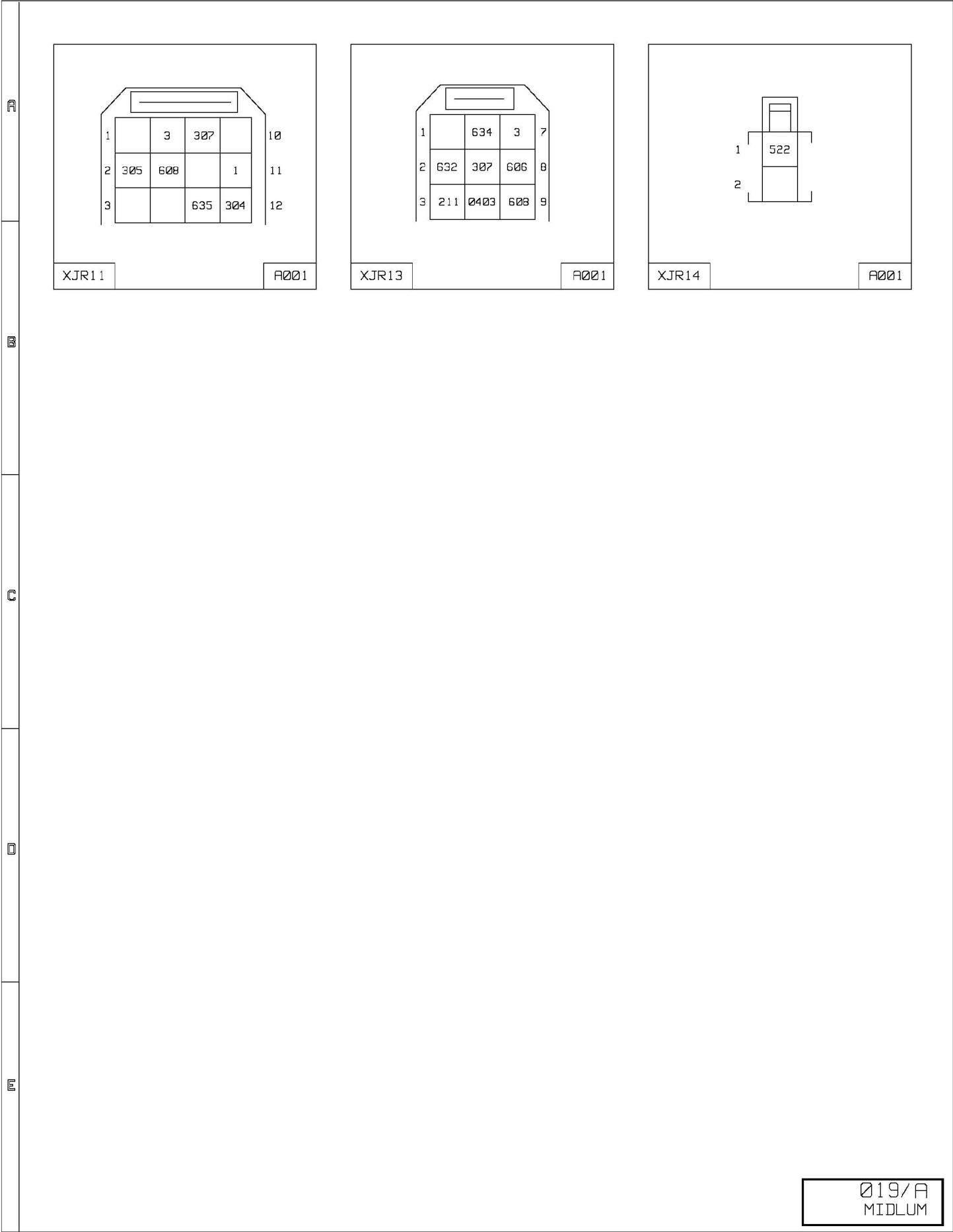
017/A
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Electrical distribution box - Face B connectors

A	B	C	D	E	 XJC01_11 A001	 XJC01_12 A001	 XJC01_13 A001
					 XJC01_14 A001	 XJC01_15 A001	 XJC01_16 A001
					 XJC01_17 A001	 XJC01_18 A001	 XJC01_19 A001
					 XJB15 A001	 XJE21 A001	 XJF01 A001

018/A
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Electrical distribution box - Face B connectors

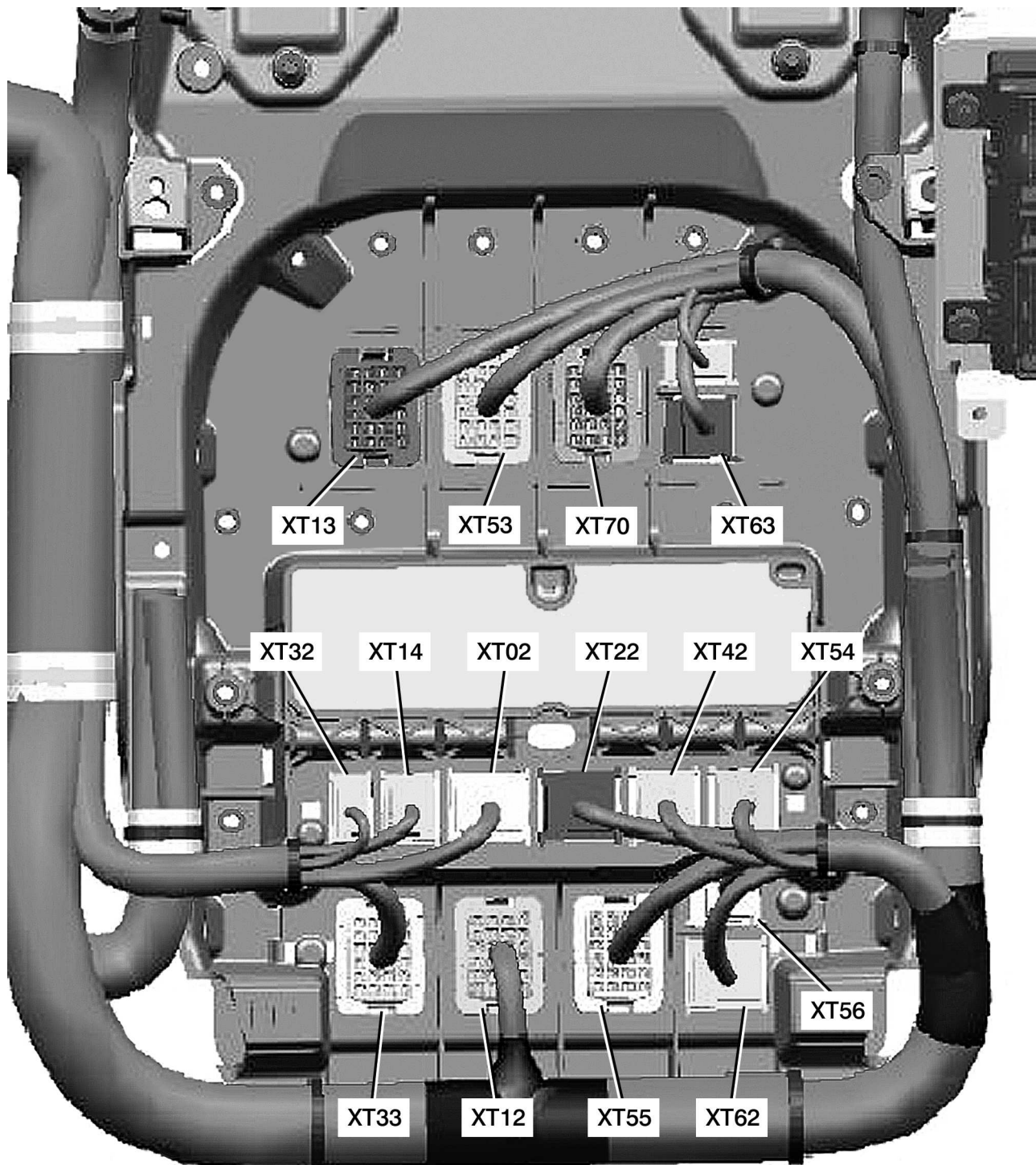


Electrical distribution box - Face B connectors

Conn. marking	Function description	Colour	No. of pins
XJB15	Battery compartment wiring harness	VO	15
XJC01_01	Dashboard wiring harness	Y	24
XJC01_02	Dashboard wiring harness	GN	24
XJC01_03	Dashboard wiring harness	Y	24
XJC01_04	Dashboard wiring harness	GN	24
XJC01_05	Dashboard wiring harness	Y	9
XJC01_06	Dashboard wiring harness	NL	12
XJC01_07	Dashboard wiring harness	VO	15
XJC01_08	Dashboard wiring harness	LVO	15
XJC01_09	Dashboard wiring harness	LBL	15
XJC01_10	Dashboard wiring harness	NL	15
XJC01_11	Dashboard wiring harness	LVO	15
XJC01_12	Dashboard wiring harness	BL	15
XJC01_13	Dashboard wiring harness	BL	12
XJC01_14	Dashboard wiring harness	NL	9
XJC01_15	Dashboard wiring harness	LVO	12
XJC01_16	Dashboard wiring harness	LBL	9
XJC01_17	Dashboard wiring harness	LBL	12
XJC01_18	Dashboard wiring harness	Y	9
XJC01_19	Dashboard wiring harness	LVO	12
XJE21	Power train wiring harness	GN	12
XJF01	Front signalling and lighting wiring harness	Y	9
XJR11	Rear line wiring harness	NL	12
XJR13	Trailer sockets wiring harness	NL	9
XJR14	Trailer sockets wiring harness	SB	2

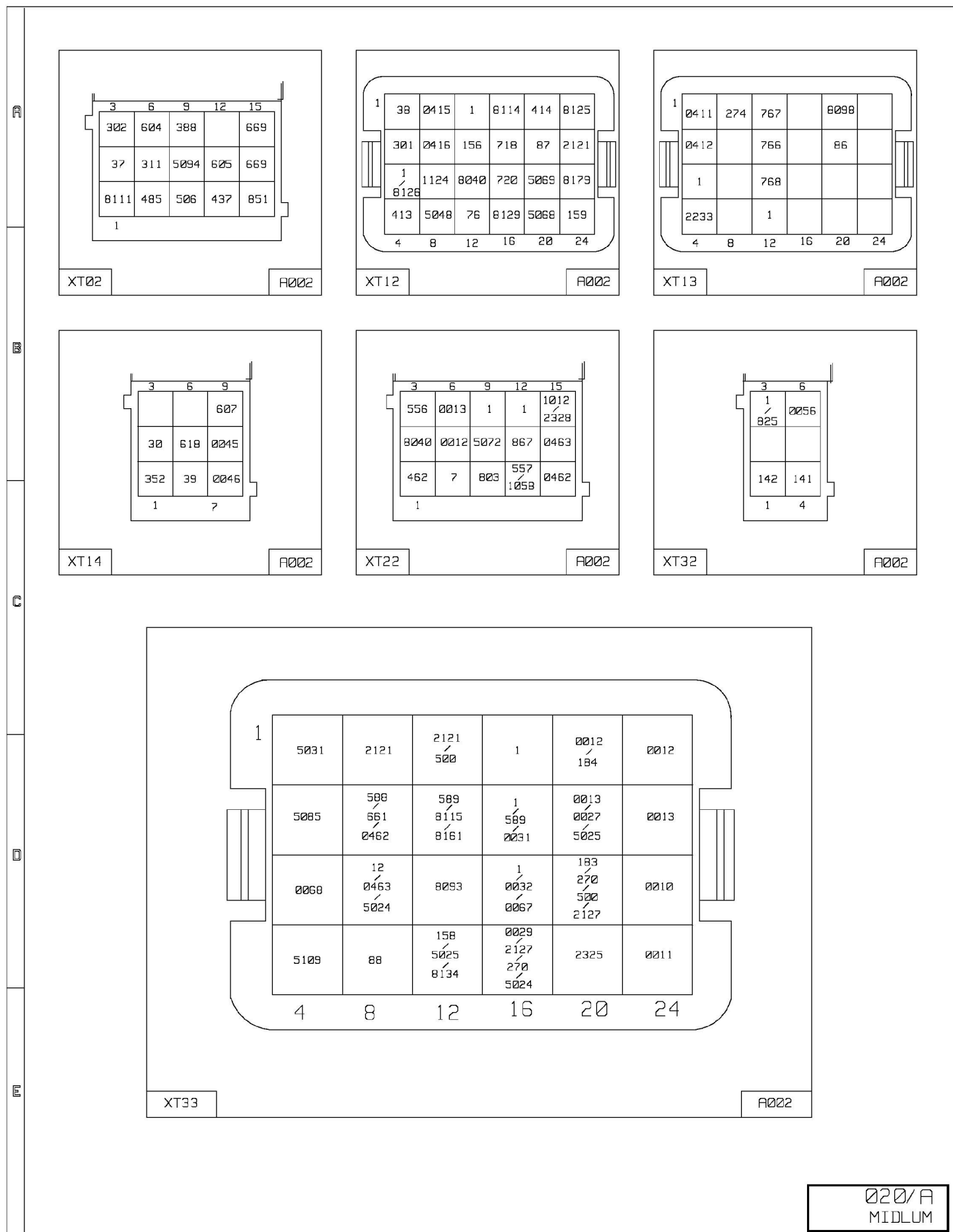
CHASSIS — CAB/BULKHEAD GROMMET CONNECTION

Chassis-cab/bulkhead grommet connection

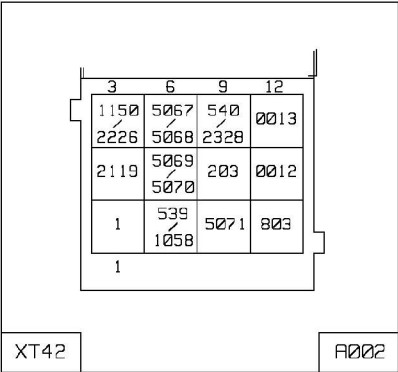
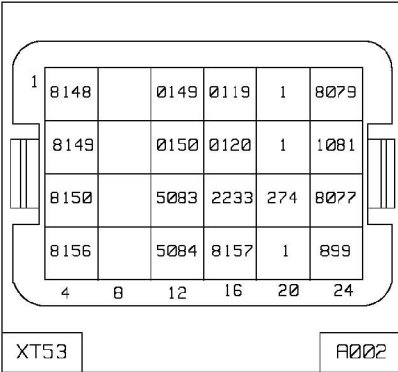
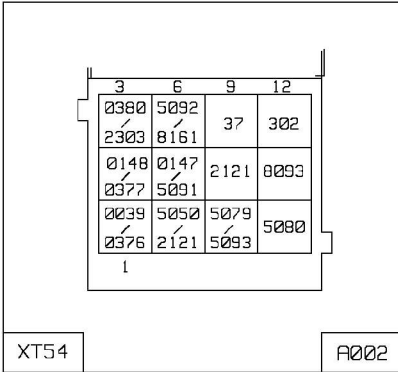
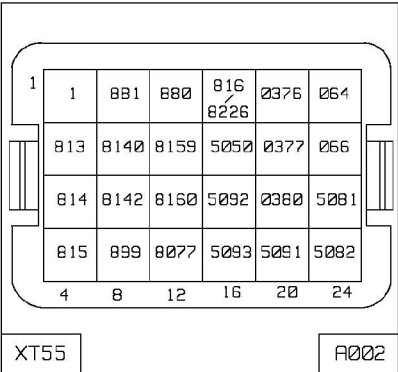
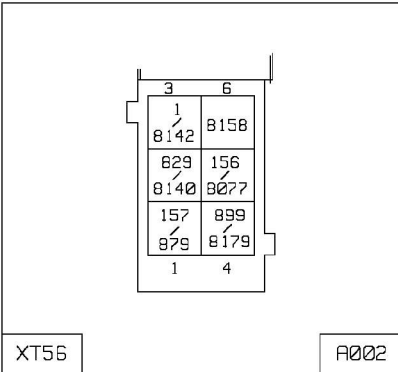
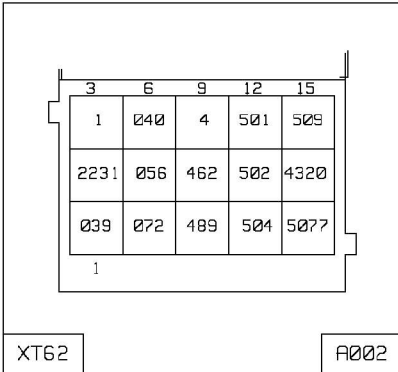
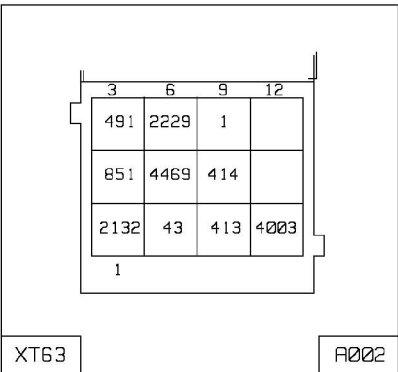
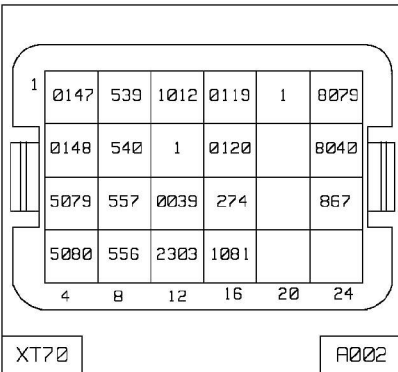


T3102088

Chassis-cab/bulkhead grommet connection



Chassis-cab/bulkhead grommet connection

A	B	C	D	E	 XT42 A002	 XT53 A002	 XT54 A002
					 XT55 A002	 XT56 A002	 XT62 A002
					 XT63 A002	 XT70 A002	

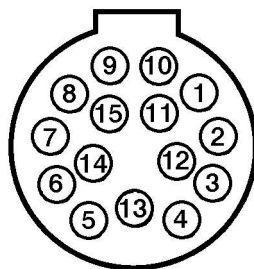
021/A
MIDLUM

Chassis-cab/bulkhead grommet connection

Conn. marking	Function description	Colour	No. of pins
XT02	Front signalling and lighting wiring harness	W	15
XT12	Rear line wiring harness	GN	24
XT13	Multi-axle rear wiring harness	R	24
XT14	Trailer sockets wiring harness	BL	9
XT22	Injection electronic management wiring harness	VO	15
XT32	Speed check and measurement wiring harness	BL	6
XT33	Power train wiring harness	Y	24
XT42	Battery compartment wiring harness	BL	12
XT53	Rear "ABS/ASR" wiring harness	BL	24
XT53	Air suspension harness	BL	24
XT53	Steered axle harness	BL	24
XT54	Air suspension harness	VO	12
XT54	"EBS/ESP" harness	VO	12
XT55	Air suspension harness	W	24
XT55	Rear "ABS/ASR" wiring harness	W	24
XT56	Air suspension harness	W	6
XT62	Front end harness	BL	15
XT63	Night heater wiring harness	VO	12
XT70	Front "ABS/ASR" wiring harness	GR	24

TRAILER CONNECTORS

X03 15-pin trailer socket

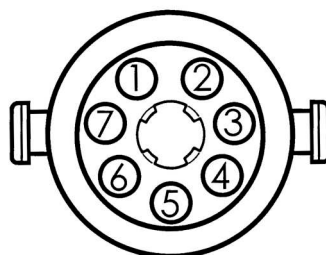


X900

T3102093

Conn. marking	Function description	Fuse marking	Rating
1	LH trailer turn signal lamp(s)	-	-
2	Trailer right-hand flashing lamp(s)	-	-
3	Trailer fog lamp(s)	F101	10A
4	Chassis earth - trailer/vehicle rear earth connection	-	-
5	Trailer left-hand parking lamp(s)	F94	10A
6	Trailer right-hand parking lamp(s)	F93	10A
7	Trailer brake lamp(s)	F104	10A
8	Trailer reversing lamp(s)	F103	10A
9	Trailer 24 Volts positive (+) power supply after master switch	F64	10A
10	Pin not connected	-	-
11	Pin not connected	-	-
12	Pin not connected	-	-
13	Available power supply (PLC no. 1 min. input)	-	-
14	Available power supply (before master switch)	-	-
15	Pin not connected	-	-

X02R EBS 7-pin trailer socket



X906

T3102094

Conn. marking	Function description	Fuse marking	Rating
1	Trailer 24 Volts positive (+) power supply after master switch	F21	20A
2	Power supply after ignition +24 V trailer	F70	10A
3	Chassis earth - trailer/vehicle rear earth connection	-	-
4	Chassis earth - trailer/vehicle rear earth connection	-	-
5	Trailer ABS safety warning lamp	-	-
6	BUS CAN J11992-2 (H)	-	-
7	BUS CAN J11992-2 (L)	-	-

AVAILABLE POWER SUPPLIES

Available power supplies

All electrical connections must be made for available power supplies provided by **RENAULT TRUCKS**.

It is prohibited to create an electrical take-off point on the various wiring harnesses.

It is mandatory to use and adapt type-approved connectors and harnesses distributed by **RENAULT TRUCKS**.

The cross section of the cables must be suitable for the intended use. **RENAULT TRUCKS** recommends using 7 amps per **mm²** when calculating the cross section of the conductor material.

Comply with the circuit protections recommended by **RENAULT TRUCKS**.



CAUTION

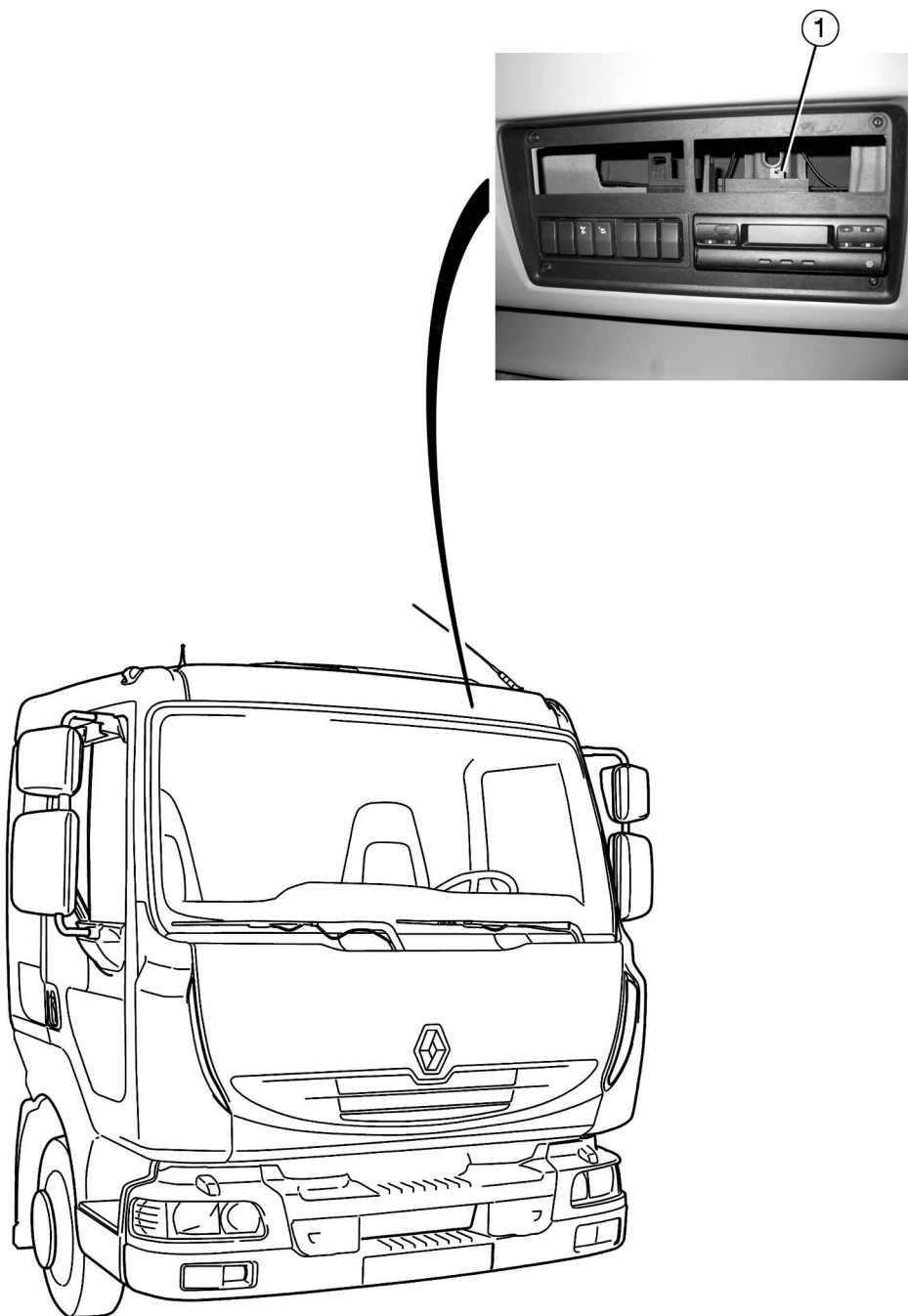
It is forbidden to change the fuse rating



CAUTION

There is a significant risk of destroying the ECUs if electrical loads without integrated protection.

Available power supplies



T3102095

Available power supplies

Location 1

Equipment key

Function description	No. polarity	Conn. marking	Rating (A)
Available power supply (+ CB)	4000	-	-
Available power supply (CB -)	144	-	—
C.B antenna cable pre-arrangement	—	—	-
Available power supply (vehicle earth)	1	-	-
Available power supply (after master switch)	2311	F32	10
Available power supply (night lighting)	2128	F97	5
Available power supply (radiotelephone +)	4460	-	-
Available power supply (radiotelephone -)	155	-	—

Note:

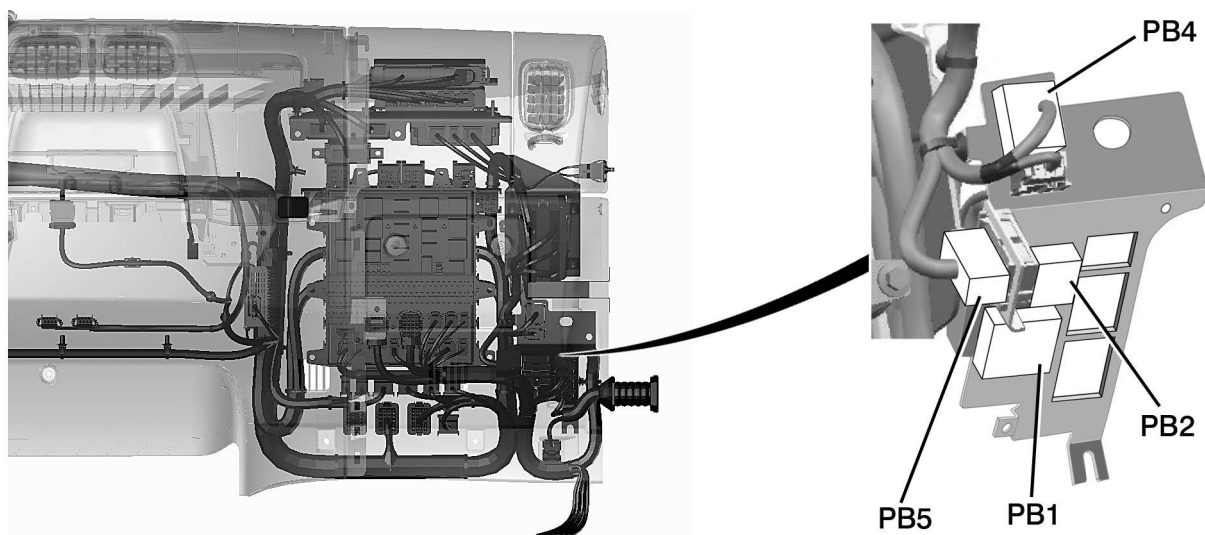
A feed-through for the body builder harness is provided for this purpose on the chassis-cab connection.



CAUTION

It is forbidden to use the other connectors present on the chassis-cab connector.

Available power supplies



T3102096

Location **PB1**

Equipment key

Function description	No. polarity	Conn. marking	Rating (A)
Available power supply (vehicle earth)	1	-	-
Available power supply (after ignition)	2234	F71	15
Available power supply (alternator information, engine running)	4306	F75	15
Available power supply (power take-off no. 1 control)	1140	-	-
Available power supply (reversing information)	608	F103	10
Available power supply (parking brake information)	8118	-	1
Available power supply (PTO 1 engaged information)	8169	-	-
Available power supply (chassis-mounted engine speed control actuation demand)	8067	-	-
Available power supply (engine speed)	7	-	0.5
Available power supply (power take-off no. 1)	8093	-	0.410mA
Available power supply (selection of engine speed No. 1)	1026	-	-
Available power supply (gearbox neutral information)	12	-	1
Available power supply (engine speed deceleration demand)	8119	-	-
Available power supply (selection of engine speed No.2)	1141	-	-
Available power supply (tachograph corrected speed information)	5108	-	500µA
Available power supply (engine speed acceleration request)	8120	-	-
Available power supply (engine stop control)	8110	-	-
Available power supply (low speed)	1025	-	1
Available power supply (main engine speed automatic return)	8121	-	-
Available power supply (after master switch)	208	F77	15
Available power supply (vehicle earth)	1	-	—
Pin not connected	—	—	—

Location PB2

Equipment key

Function description	No. polarity	Conn. marking	Rating (A)
Pin not connected	—	—	—
Pin not connected	—	—	-
Available power supply (equipment in dangerous position)	8116	-	-
Available power supply (body builder equipment control)	0460	-	-
Available power supply (30 km/h limitation)	8020	-	-
Available power supply (equipment in "road" position warning pictogram)	8083	F25	10
Available power supply (body builder equipment control)	0461	-	-
Available power supply (engine stop control)	5074	-	-
Available power supply (lighting)	618	F25	10
Pin not connected	—	—	-
Available power supply (6 km/h limitation)	8095	-	-
Available power supply (equipment in "working" position warning pictogram)	651	-	—
Pin not connected	—	—	-
Available power supply (reversing forbidden inhibition)	8227	-	-
Available power supply (alarm stop)	8084	-	-
Available power supply (suspension level actuation control)	8137	-	-
Available power supply (suspension level control)	8138	-	-
Available power supply (independent heating cut-off)	89	-	—
Pin not connected	—	—	—
Pin not connected	—	—	—
Pin not connected	—	—	—

Location **PB4**



CAUTION

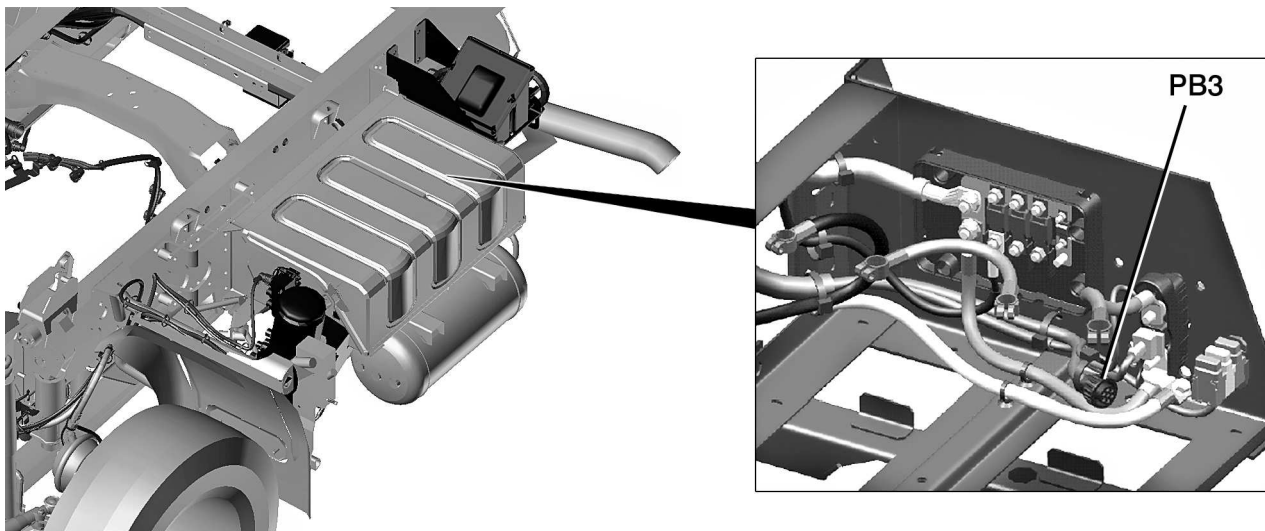
*It is strictly prohibited to use the connector in position **PB4**. Only **RENAULT TRUCKS** service points are qualified to perform vehicle upgrades by adding "expert" functions managed by the body builder pre-equipment management control unit.*

Location **PB5**

Equipment key

Function description	No. polarity	Conn. marking	Rating (A)
Available power supply (power take-off no. 3 control)	8112	-	-
Available power supply (power take-off no. 2 control)	8113	-	-
Available power supply (engine start control)	8100	-	-
Available power supply (power take-off no. 3 warning light)	158	-	-
Available power supply (power take-off no. 2 warning light)	8134	-	—
Available power supply (engine starting information)	8108	—	-
Available power supply (PTO 3 solenoid valve piloting)	8115	-	-
Available power supply (power take-off no. 2 solenoid valve piloting)	8161	-	—
Available power supply (engine warning)	8104	—	—
Available power supply (parameter definable frequency-related output)	8170	—	—
Available power supply (PLC 2 min. output)	8122	—	—
Available power supply (PLC 1 min. output)	8123	—	—
Pin not connected	—	—	-
Available power supply (PLC 2 min. input)	8132	-	—
Available power supply (PLC 1 min. input)	8131	—	-
Available power supply (engine speed alternator signal)	0384	-	-
Available power supply (engine speed set-point validation)	8136	-	-
Available power supply (CAN bus disabling)	8133	-	—
Pin not connected	—	—	-
Available power supply (CAN BUS J1939 low level)	0413	-	-
Available power supply (CAN BUS J1939 high level)	0414	-	-

Available power supplies

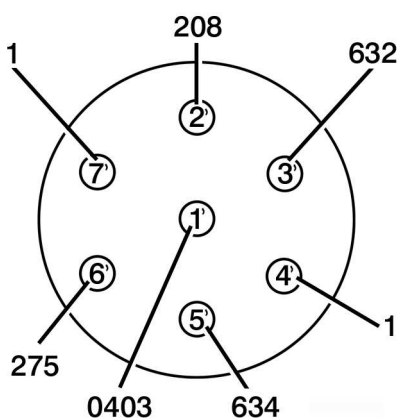


T3102097

Location **PB3**

Equipment key

Function description	No. polarity	Conn. marking	Rating (A)
Available power supply (vehicle earth)	1	-	-
Available power supply (vehicle earth)	1	-	-
Available power supply (after master switch)	208	F77	15
Available power supply (after ignition)	275	F26	15
Available power supply (rear LH marker light(s))	632	F94	10
Available power supply (rear RH marker light(s))	634	F93	10
Available power supply (rigid perimetric protection module)	0403	-	-



T3102098

CONNECTORS

Connectors - Contents

Connectors - Dashboard harness (1/15)

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Connectors - Dashboard harness (9/15)

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Connectors - Dashboard harness (10/15)

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Connectors - Dashboard harness (11/15)

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Connectors - Dashboard harness (12/15)

See page 292

Connectors - Dashboard harness (13/15)

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Connectors - Dashboard harness (14/15)

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Connectors - Dashboard harness (15/15)

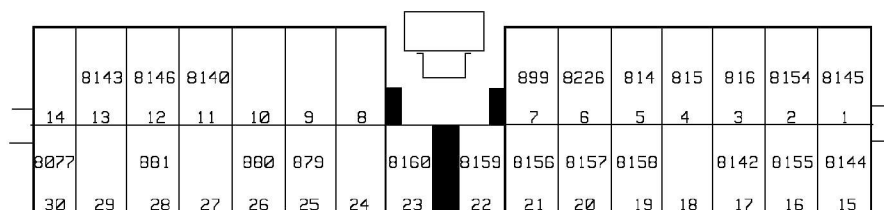
See page 298

Connectors - Dashboard harness (1/15)

Code	Title of the function	Connector	Colour	No. of pins
D001	Main information display	A03.B	SB	26
D001	Main information display	A03.C	SB	18
D001	Main information display	A03.J	SB	26
H014	Radio set	A07.A	SB	8
H014	Radio set	A07.B	W	8
H014	Radio set	A07.D	BL	8

Connectors - Dashboard harness (2/15)

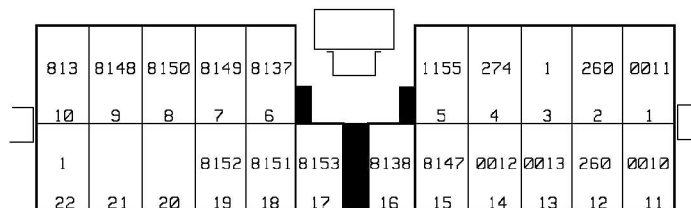
A



A16.X1

G004

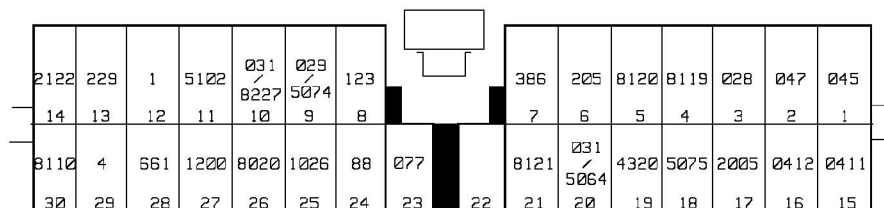
B



A16.X2

G004

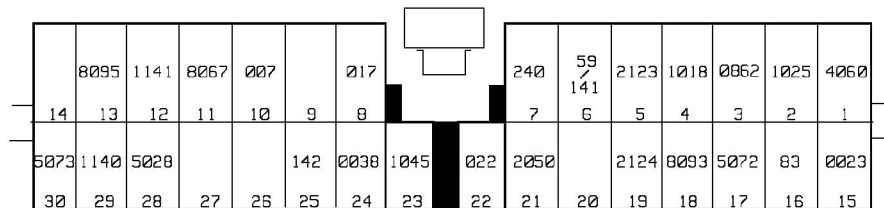
C



A17.PA

G001

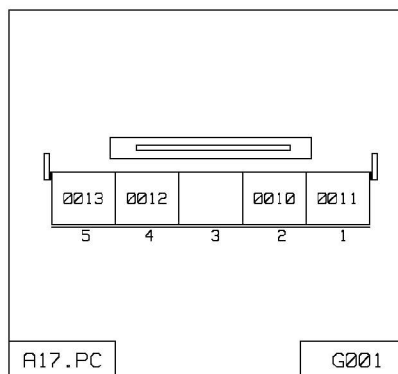
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A17.PB

G001

E



A17.PC

G001

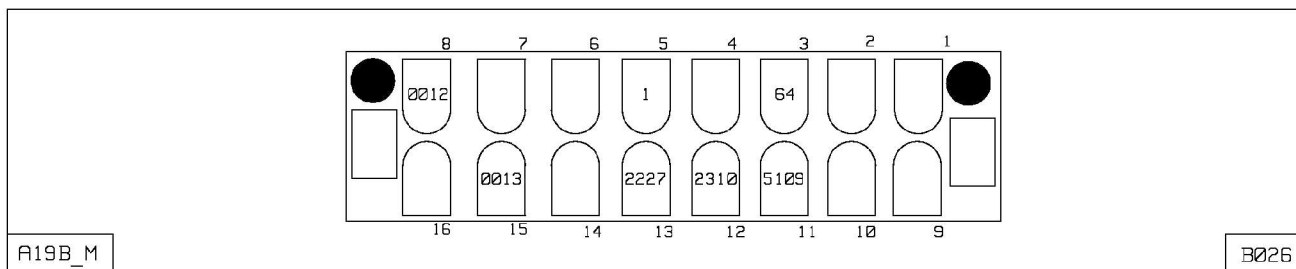
002/A
MIDLUM

Connectors - Dashboard harness (2/15)

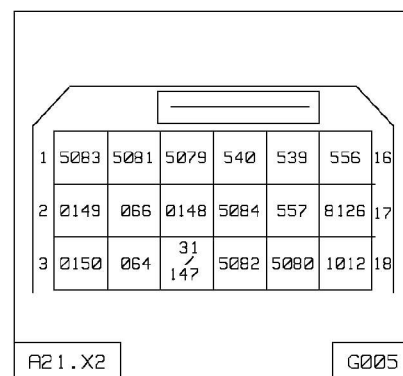
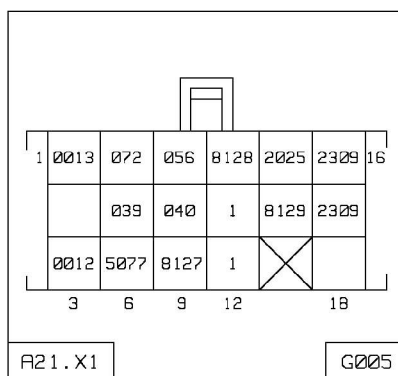
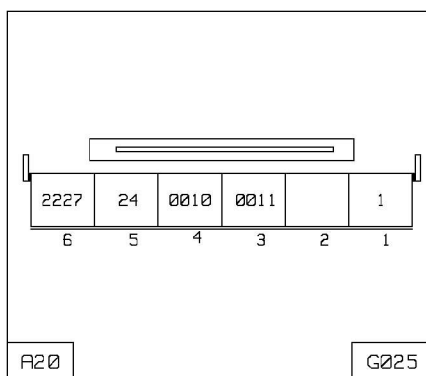
Code	Title of the function	Connector	Colour	No. of pins
G004	Air suspension control unit	A16.X1	GN	30
G004	Air suspension control unit	A16.X2	GN	22
G001	Vehicle management control unit	A17.PA	GN	30
G001	Vehicle management control unit	A17.PB	BL	30
G001	Vehicle management control unit	A17.PC	GN	5

Connectors - Dashboard harness (3/15)

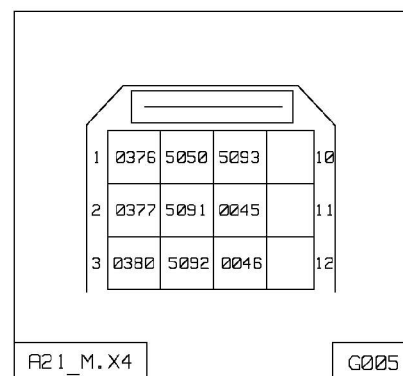
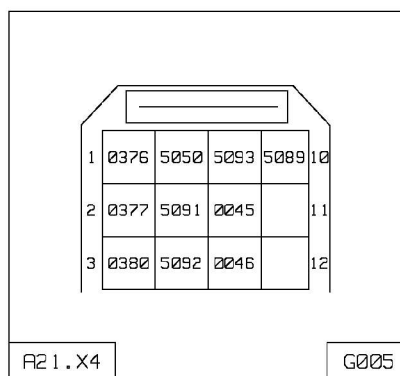
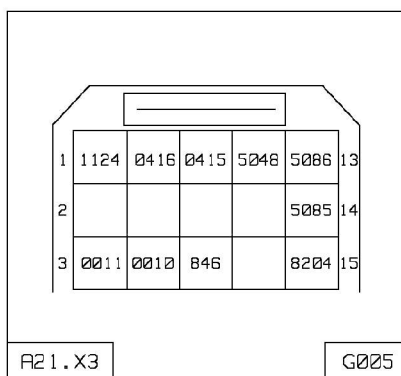
A



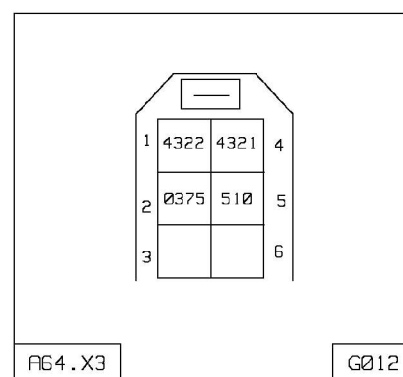
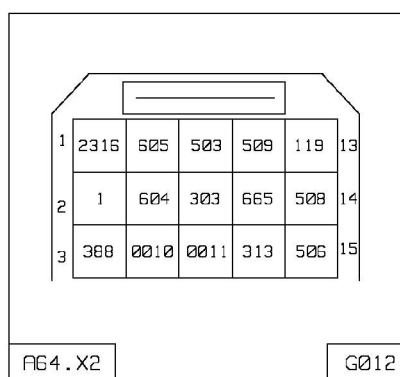
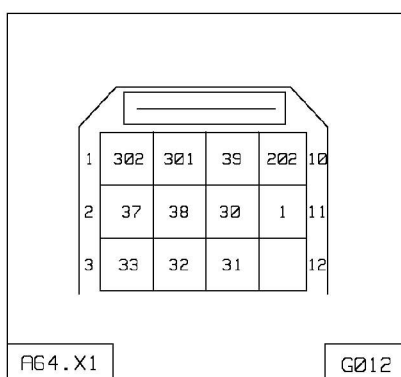
B



C



D



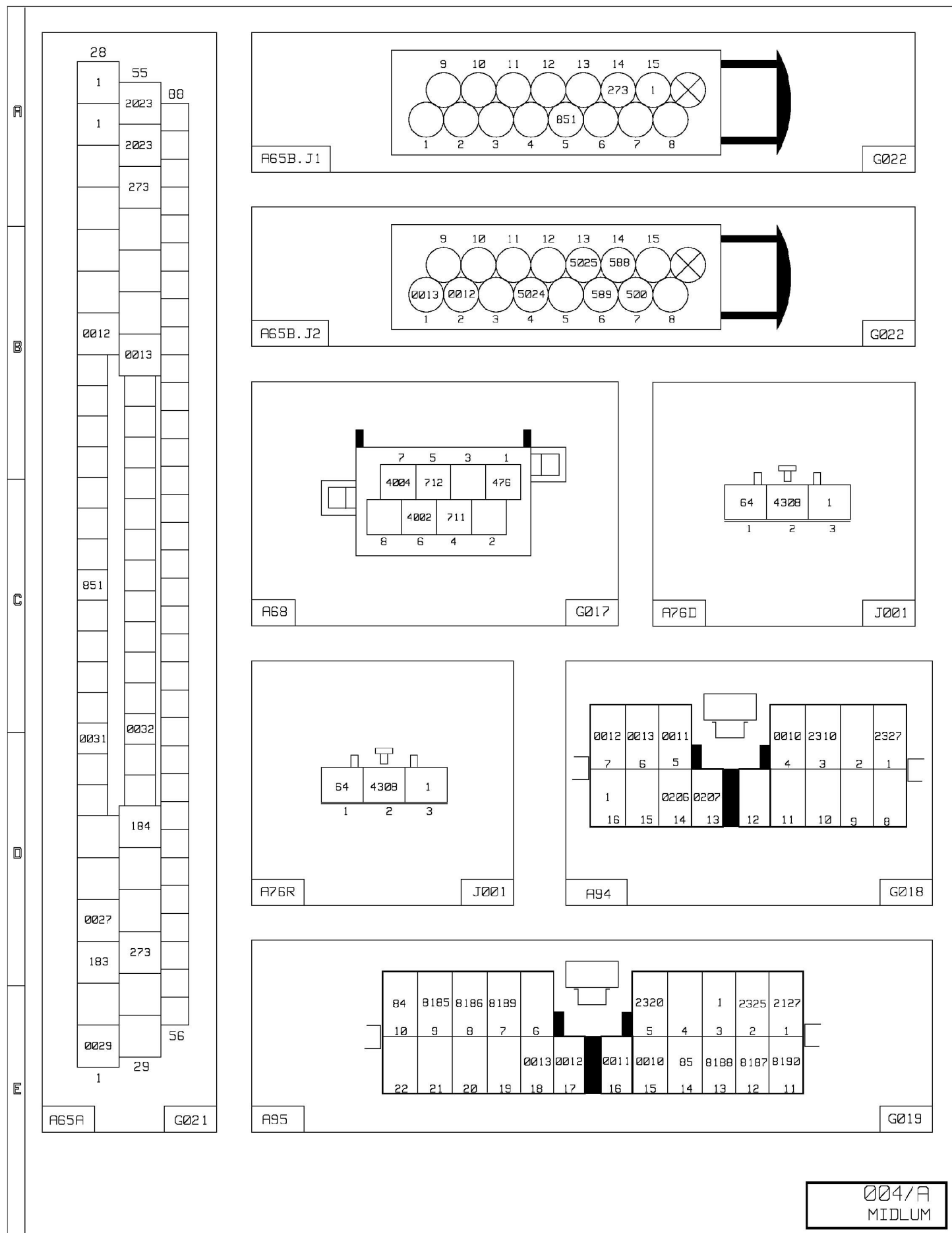
E

003/A
MIDLUM

Connectors - Dashboard harness (3/15)

Code	Title of the function	Connector	Colour	No. of pins
B026	Automatic transmission gear selector	A19B_M	W	16
G025	Engine immobiliser ECU	A20	GN	6
G005	EBS management control unit	A21.X1	SB	18
G005	EBS management control unit	A21.X2	GR	18
G005	EBS management control unit	A21.X3	VO	15
G005	EBS management control unit	A21.X4	GN	12
G005	EBS management control unit	A21_M.X4	GN	12
G012	Lighting and signalling management control unit	A64.X1	GN	12
G012	Lighting and signalling management control unit	A64.X2	VO	15
G012	Lighting and signalling management control unit	A64.X3	VO	6

Connectors - Dashboard harness (4/15)

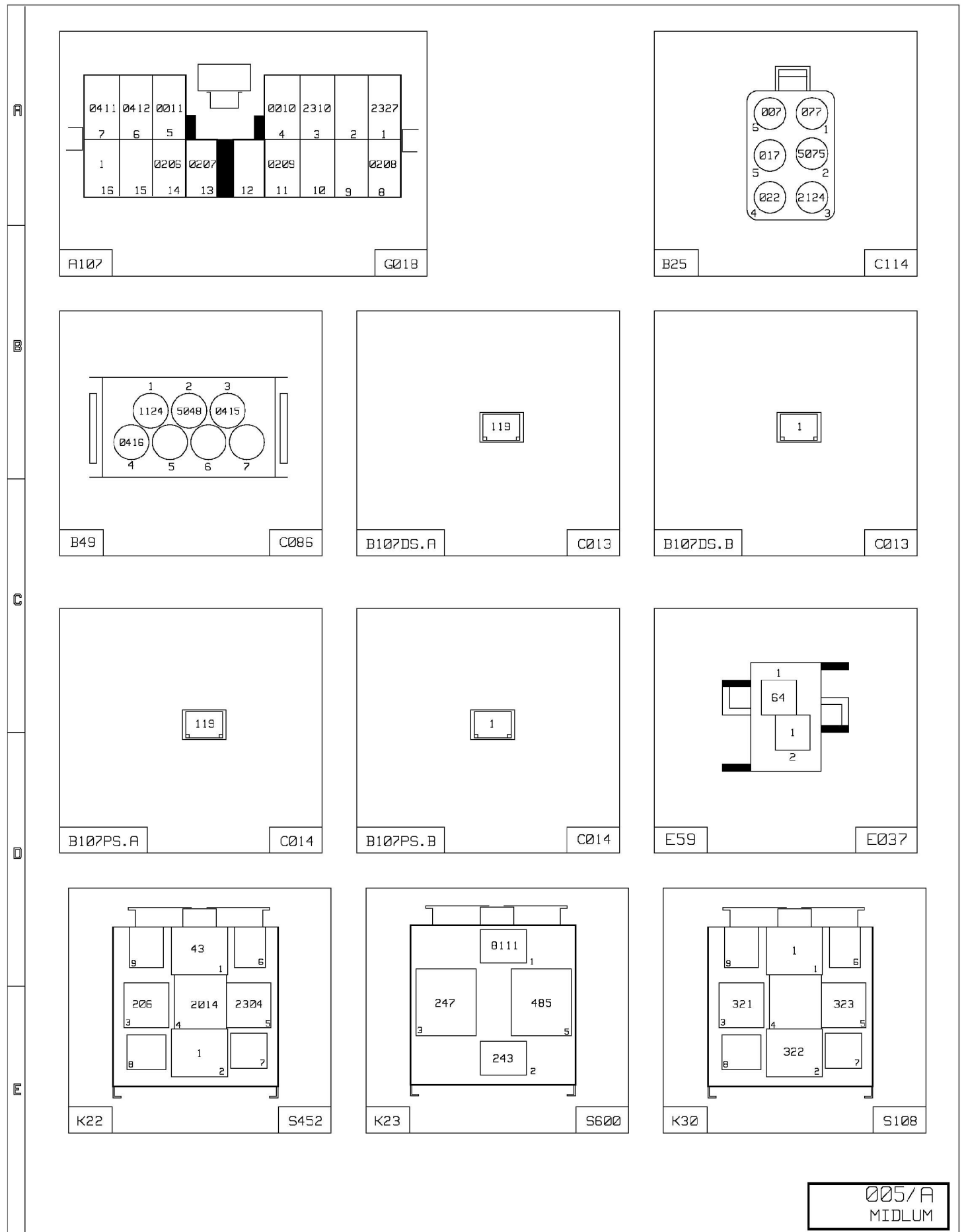


004/A
MIDLUM

Connectors - Dashboard harness (4/15)

Code	Title of the function	Connector	Colour	No. of pins
G021	Hydraulic retarder ECU	A65A	SB	88
G022	Electric retarder control unit	A65B.J1	SB	15
G022	Electric retarder control unit	A65B.J2	GR	15
G017	Cab temperature regulation ECU	A68	R	8
J001	Cigarette lighter	A76D	SB	3
J001	Cigarette lighter	A76R	SB	3
G018	Onboard management interface control unit	A94	GN	16
G019	Gear selector control unit	A95	GN	22

Connectors - Dashboard harness (5/15)



Connectors - Dashboard harness (5/15)

Code	Title of the function	Connector	Colour	No. of pins
G018	Onboard management interface control unit	A107	GN	16
C114	Throttle pedal sensor unit	B25	SB	6
C086	Steering angle sensor	B49	SB	7
C013	Driver's side door open information position sensor	B107DS.A	NL	1
C013	Driver's side door open information position sensor	B107DS.B	NL	1
C014	Front passenger side door open information position sensor	B107PS.A	NL	1
C014	Front passenger side door open information position sensor	B107PS.B	NL	1
E037	Gear selector lighting	E59	SB	2
S452	Air conditioning fan pilot-control relay	K22	SB	9
S600	Cab tilt motor power supply relay	K23	SB	4
S108	Rotating beacon(s) power supply relay	K30	SB	9

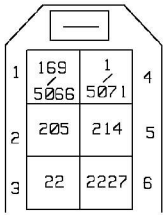
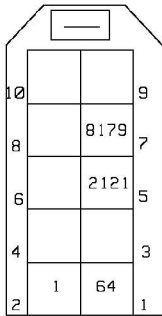
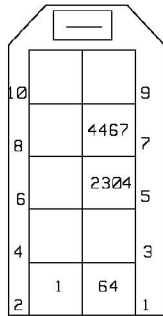
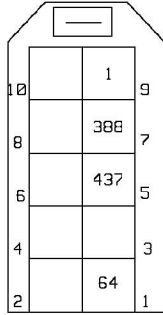
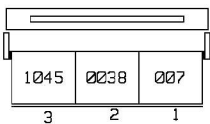
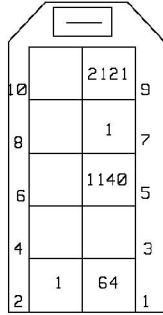
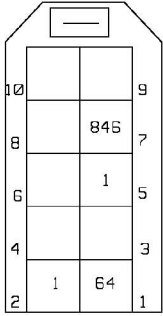
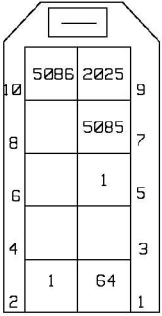
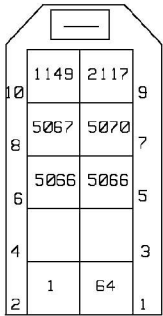
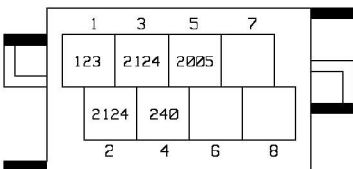
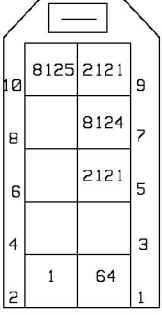
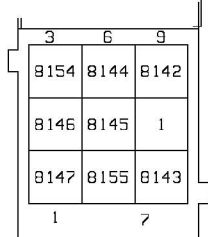
Connectors - Dashboard harness (6/15)

A	9 510 6 5095 4 5094 8 1 7 1 2 K54 S401	9 1020 6 1021 4 1 8 666 7 1 2 K62 S904	9 1 6 69 4 68 8 62 7 1 2 K64 S110
B	1 2 3 33 32 373 1 2 3 S02.6V B143	1 2 3 4 5 313 373 373 665 370 310 373 62 311 1 2 3 4 5 S02.10V B143	10 9 8 607 7 6 666 5 4 3 2 1 64 1 S03 B148
C	7 5 3 1 206 2014 64 1 206 2014 463 489 1 8 6 4 2 S04 K003	1 2 3 4 5 6 7 501 502 504 719 506 507 508 1 2 3 4 5 6 7 S06 B139	
D	10 9 8 8128 7 6 2121 5 4 3 2 1 64 1 S08B B164	10 9 8 86 7 6 2121 5 4 3 2 1 64 1 S09A B167	10 9 8 8151 7 6 1 5 4 3 2 1 64 1 S11 B165
E	006/A MIDLUM		

Connectors - Dashboard harness (6/15)

Code	Title of the function	Connector	Colour	No. of pins
S401	Headlamp washer pump motor power supply relay	K54	SB	9
S904	Comfort lighting power supply relay	K62	SB	9
S110	Fog lights cut-off relay if main beam headlights on	K64	SB	9
B143	Steering column fingertip control cluster no. 1	S02.6V	SB	6
B143	Steering column fingertip control cluster no. 1	S02.10V	SB	10
B148	Work lights control	S03	SB	10
K003	Air conditioning ECU	S04	VO	8
B139	Windscreen wash/wipe/headlamp washer control	S06	SB	14
B164	Rear wheel differential lock control	S08B	SB	10
B187	Inter-axle differential lock control	S09A	SB	10
B165	Second rear axle lift control	S11	SB	10

Connectors - Dashboard harness (7/15)

A	 S15 B103	 S18B B188	 S21A B167
B	 S22A B142	 S24 B155	 S28A B177
C	 S31A B168	 S32A B186	 S38 B170
D	 S48A C134	 S63B B189	 S67B B001

007/ A
MIDLUM

Connectors - Dashboard harness (7/15)

Code	Title of the function	Connector	Colour	No. of pins
B103	Key switch unit	S15	LVO	6
B188	Front wheel differential lock control	S18B	SB	10
B167	Night heater activation control switch	S21A	SB	10
B142	Headlamp beam level adjustment control	S22A	SB	10
B155	Hydraulic or electric retarder control	S24	SB	3
B177	Power take-off No. 1 engagement request control (in cab)	S28A	SB	10
B168	Traction control enabling control	S31A	SB	10
B186	Brake holding enabling control	S32A	SB	10
B170	Cab emergency stop control	S38	SB	10
C134	Brake pedal sensor unit	S48A	VO	8
B189	Selection control	S63B	SB	10
B001	Air suspension command remote control	S67B	Y	9

Connectors - Dashboard harness (8/15)

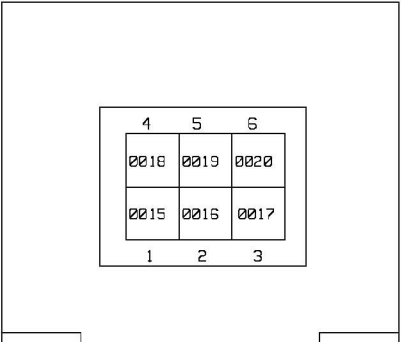
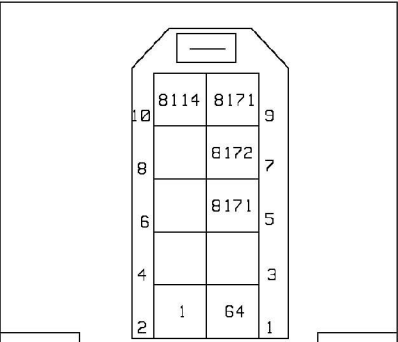
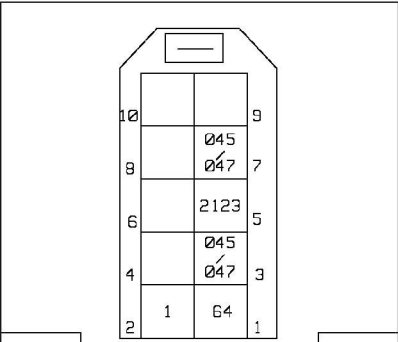
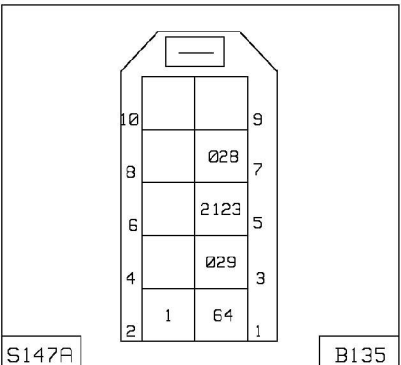
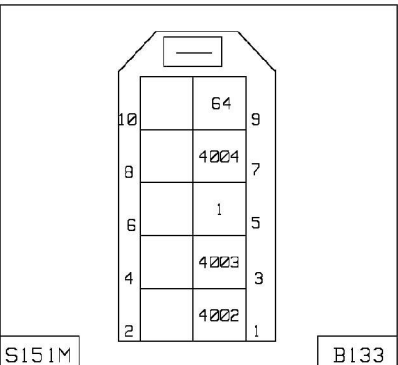
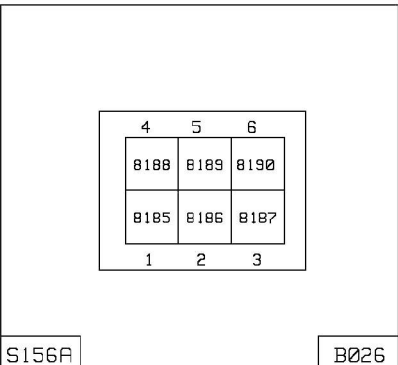
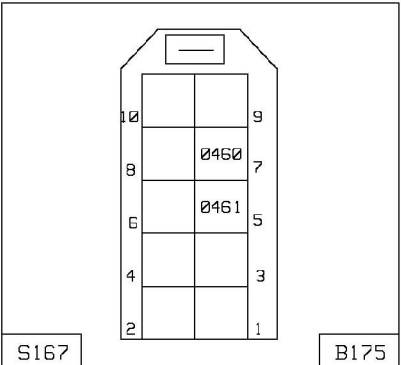
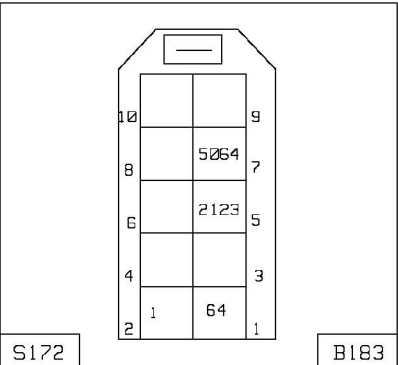
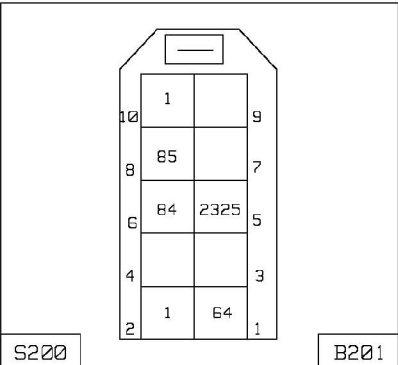
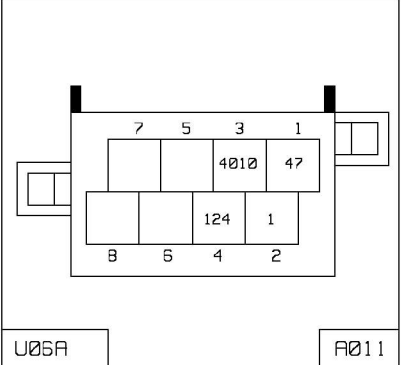
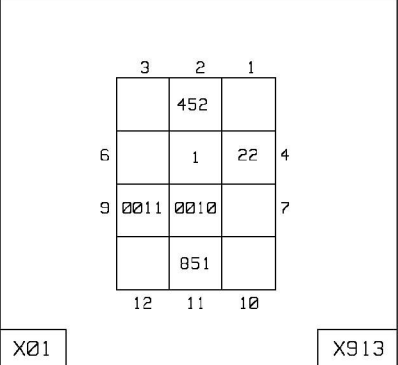
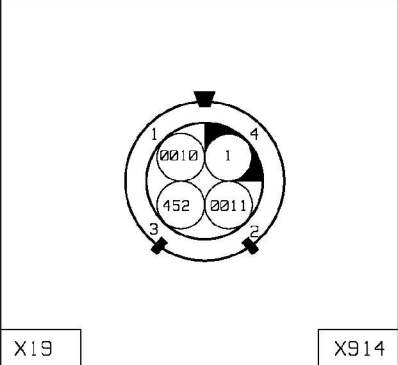
A	S102 B182	S105 B106	S114A B144
B	S125 B175	S126 B176	S131 B159
C	S133 B003	S134 B004	S135 B002
E	S136 B184	S137A B185	S137B B190

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Connectors - Dashboard harness (8/15)

Code	Title of the function	Connector	Colour	No. of pins
B182	Auto/manual selection control	S102	SB	10
B106	Hazard lights control	S105	SB	10
B144	Long range headlights control	S114A	SB	10
B175	Body builder pre-equipment control No. 1	S125	SB	10
B176	Body builder pre-equipment control No. 2	S126	SB	10
B159	Engine speed set-point control for difficult terrain	S131	SB	10
B003	Air suspension 'down' position remote control	S133	SB	10
B004	Air suspension memorised position remote control	S134	SB	10
B002	Air suspension 'up' position remote control	S135	SB	10
B184	Axle load-shedding activation control	S136	SB	10
B185	Power take-off No. 2 engagement request control (in cab)	S137A	SB	10
B190	Power take-off No. 3 engagement request control (in cab)	S137B	SB	10

Connectors - Dashboard harness (9/15)

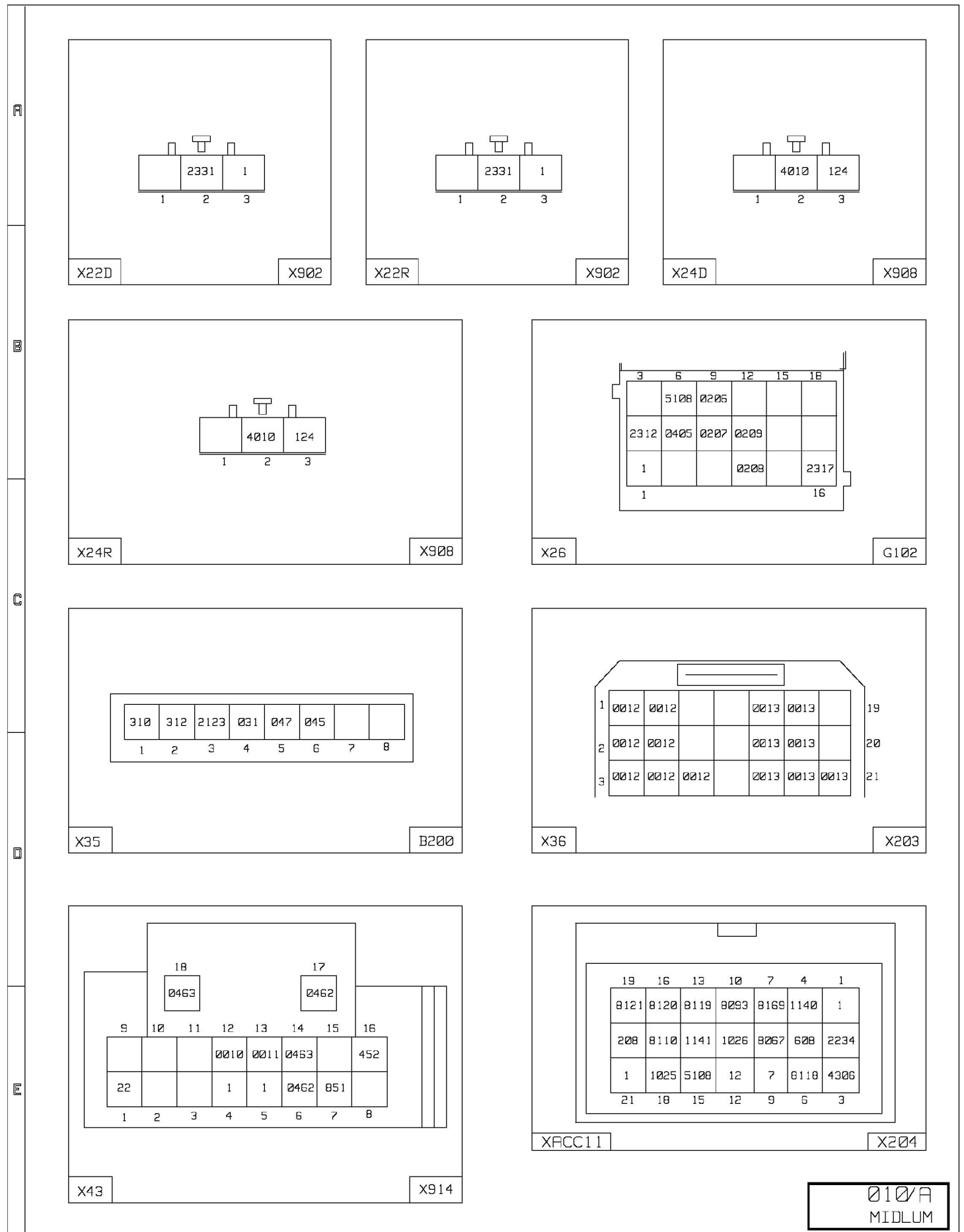
A	 S138 B125	 S143 B192	 S146 B136
B	 S147A B135	 S151M B133	 S156A B026
C	 S167 B175	 S172 B183	 S200 B201
E	 U05A A011	 X01 X913	 X19 X914

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Connectors - Dashboard harness (9/15)

Code	Title of the function	Connector	Colour	No. of pins
A011	Voltage converter (24V / 12V) for information technology pack	U06A	W	8
B026	Automatic transmission gear selector	S156A	SB	6
B125	Radio set control	S138	SB	6
B133	Night heater timer control	S151 M	SB	10
B135	Cruise control and engine speed regulator actuating control	S147A	SB	10
B136	Engine cruise control and speed regulator adjustment control	S146	SB	10
B175	Body builder pre-equipment control no. 1	S167	SB	10
B183	Water in fuel bleed control	S172	SB	10
B192	Transfer box neutral engagement control	S143	SB	10
B201	Gear shift strategy control (construction site mode)	S200	SB	10
X913	Vehicle diagnostic socket	X01	SB	12
X914	Vehicle data extraction socket	X19	SB	4

Connectors - Dashboard harness (10/15)



Connectors - Dashboard harness (10/15)

Code	Title of the function	Connector	Colour	No. of pins
X902	24-volt power supply socket	X22D	SB	3
X902	24-volt power supply socket	X22R	SB	3
X908	12-volt power supply socket	X24D	SB	3
X908	12-volt power supply socket	X24R	SB	3
G102	On-board management control unit	X26	GR	18
B200	Controls for cruise control	X35	SB	8
X203	CAN bus grouping connector	X36	BL	21
X914	Vehicle data extraction socket	X43	-	18
X204	Plug-in connector across 2 harnesses	XACC11	BN	21

Connectors - Dashboard harness (11/15)

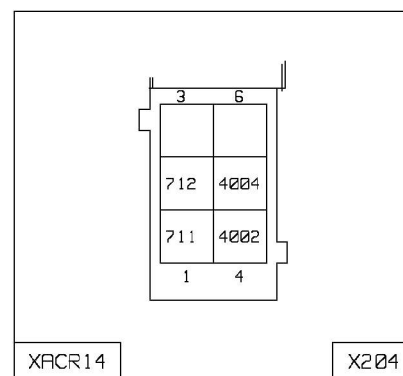
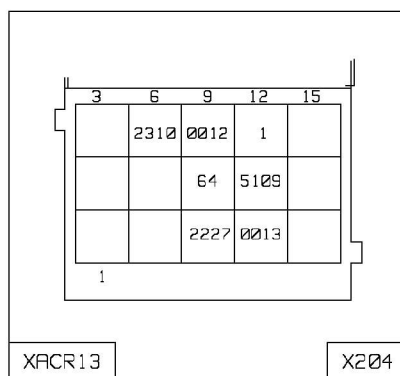
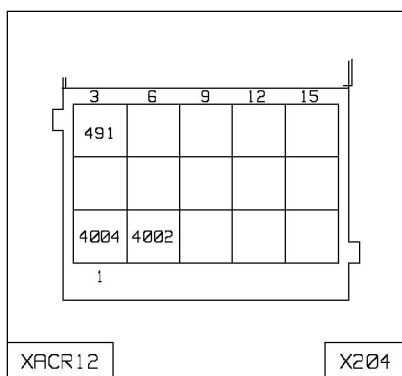
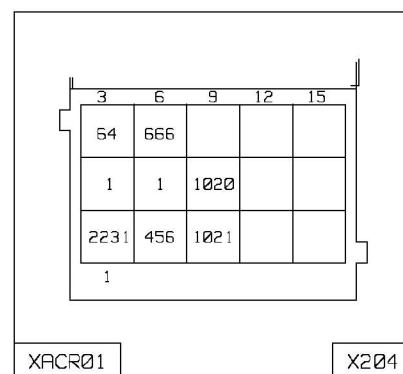
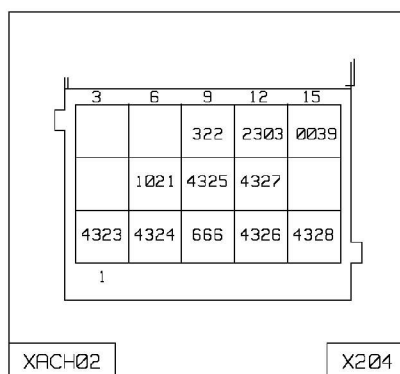
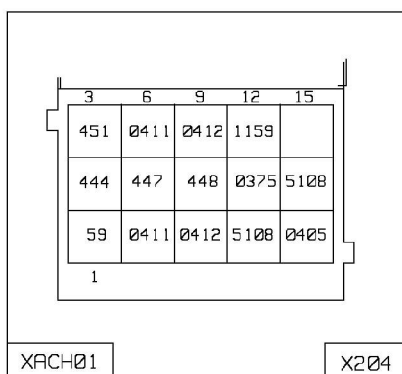
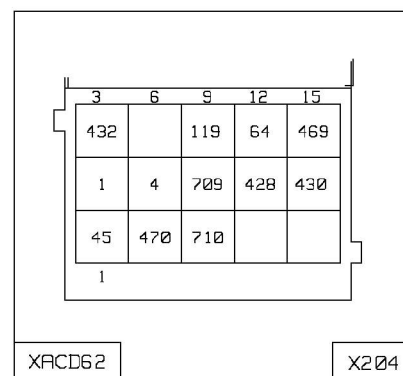
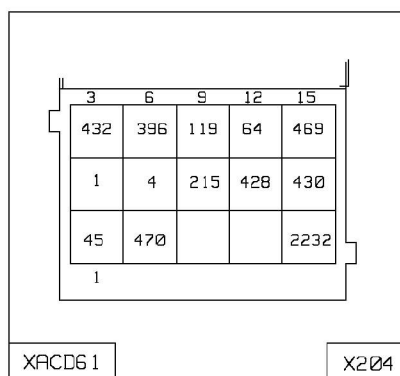
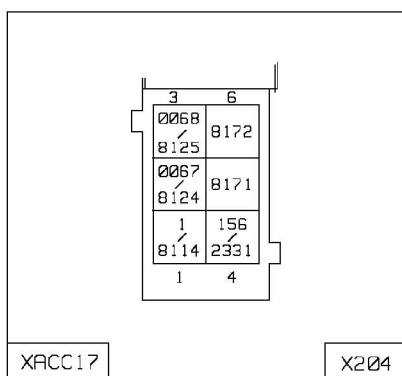
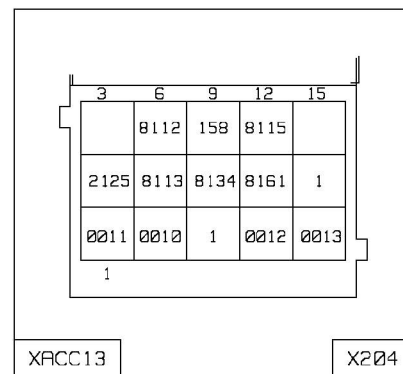
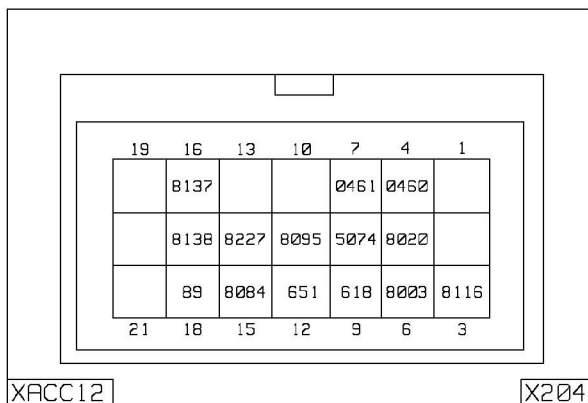
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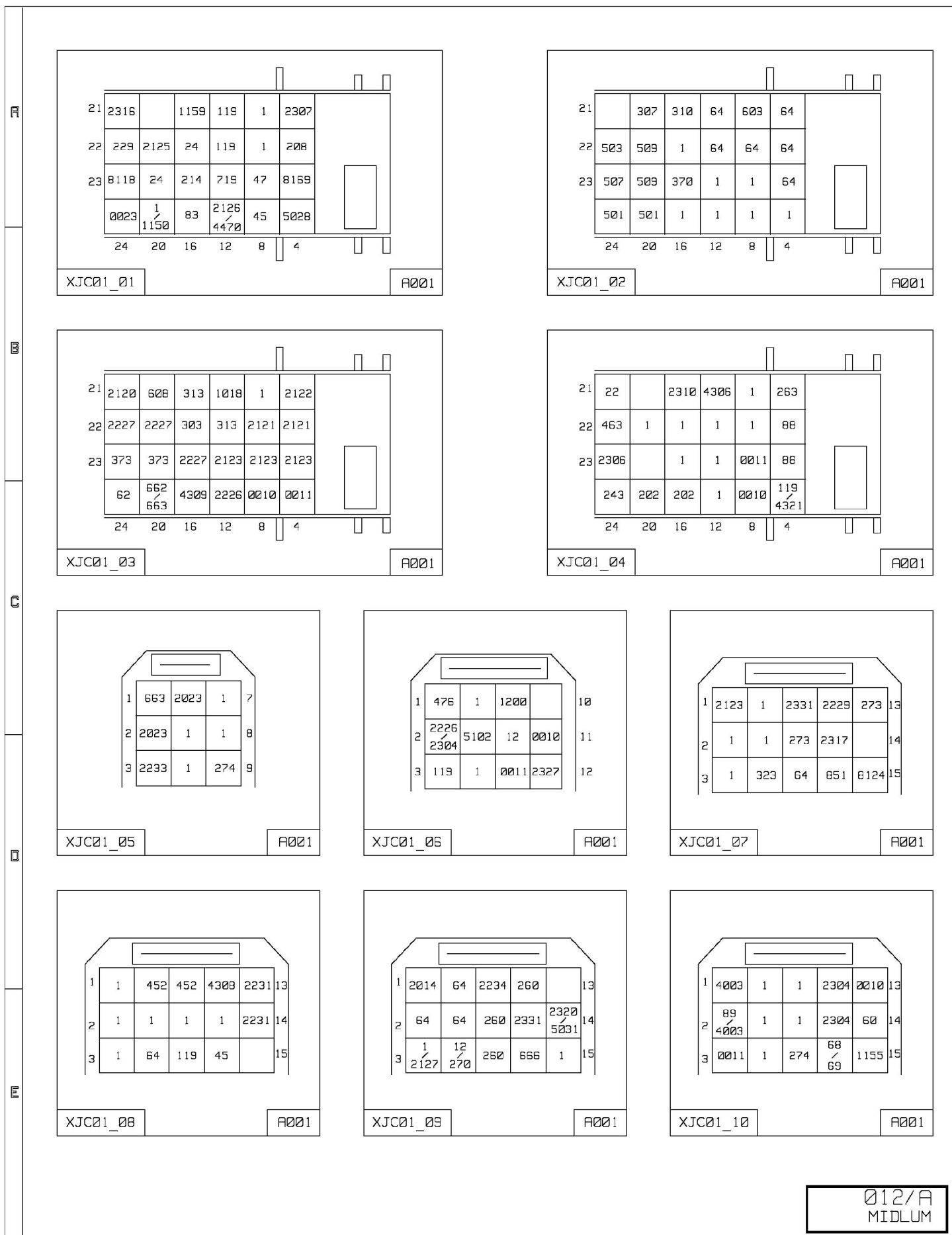


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Connectors - Dashboard harness (11/15)

Code	Title of the function	Connector	Colour	No. of pins
X204	Plug-in connector across 2 harnesses	XACC12	NL	21
X204	Plug-in connector across 2 harnesses	XACC13	R	15
X204	Plug-in connector across 2 harnesses	XACC17	BL	6
X204	Link-up connector between 2 wiring harnesses	XACD61	NL	15
X204	Link-up connector between 2 wiring harnesses	XACD62	NL	15
X204	Link-up connector between 2 wiring harnesses	XACH01	VO	15
X204	Link-up connector between 2 wiring harnesses	XACH02	BL	15
X204	Plug-in connector across 2 harnesses	XACR01	BL	15
X204	Plug-in connector across 2 harnesses	XACR12	BL	15
X204	Plug-in connector across 2 harnesses	XACR13	BL	15
X204	Plug-in connector across 2 harnesses	XACR14	NL	6

Connectors - Dashboard harness (12/15)

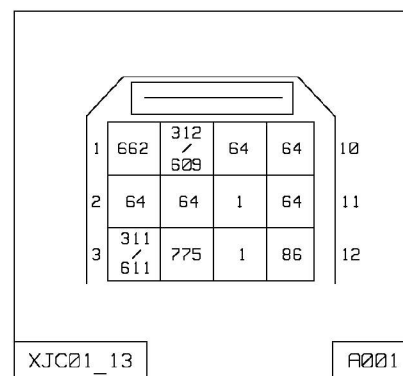
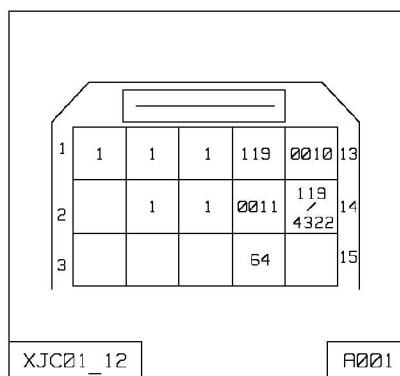
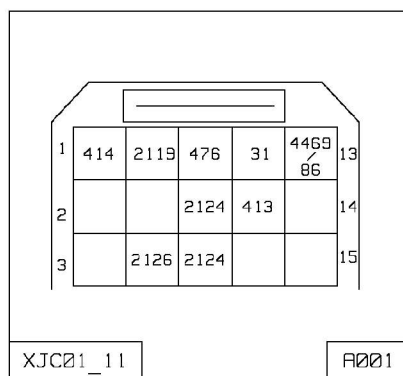


Connectors - Dashboard harness (12/15)

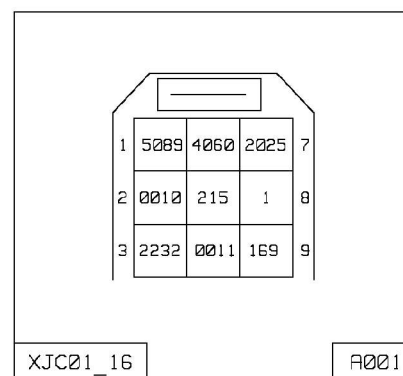
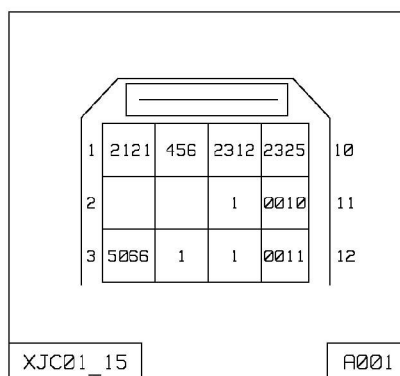
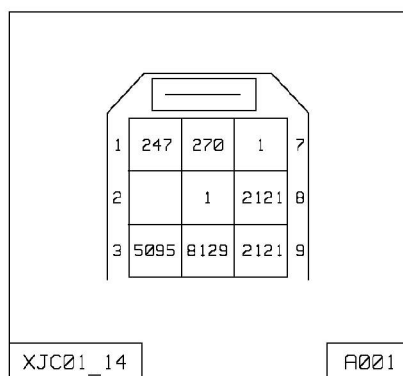
Code	Title of the function	Connector	Colour	No. of pins
A001	Electrical distribution box in cab	XJC01_01	Y	24
A001	Electrical distribution box in cab	XJC01_02	GN	24
A001	Electrical distribution box in cab	XJC01_03	Y	24
A001	Electrical distribution box in cab	XJC01_04	GN	24
A001	Electrical distribution box in cab	XJC01_05	Y	9
A001	Electrical distribution box in cab	XJC01_06	NL	12
A001	Electrical distribution box in cab	XJC01_07	VO	15
A001	Electrical distribution box in cab	XJC01_08	LVO	15
A001	Electrical distribution box in cab	XJC01_09	LBL	15
A001	Electrical distribution box in cab	XJC01_10	NL	15

Connectors - Dashboard harness (13/15)

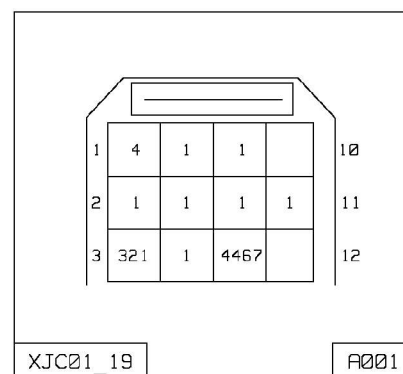
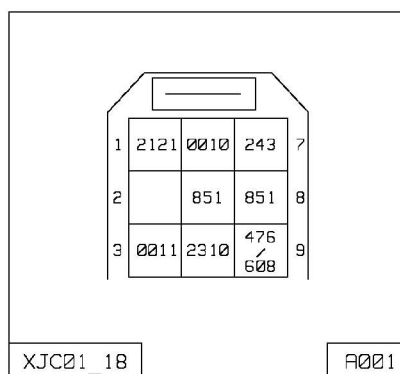
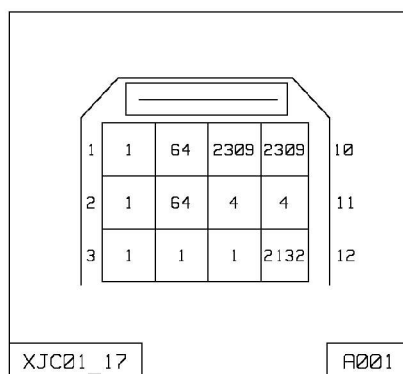
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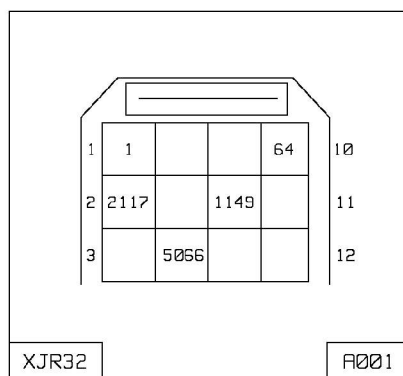
B



C



D



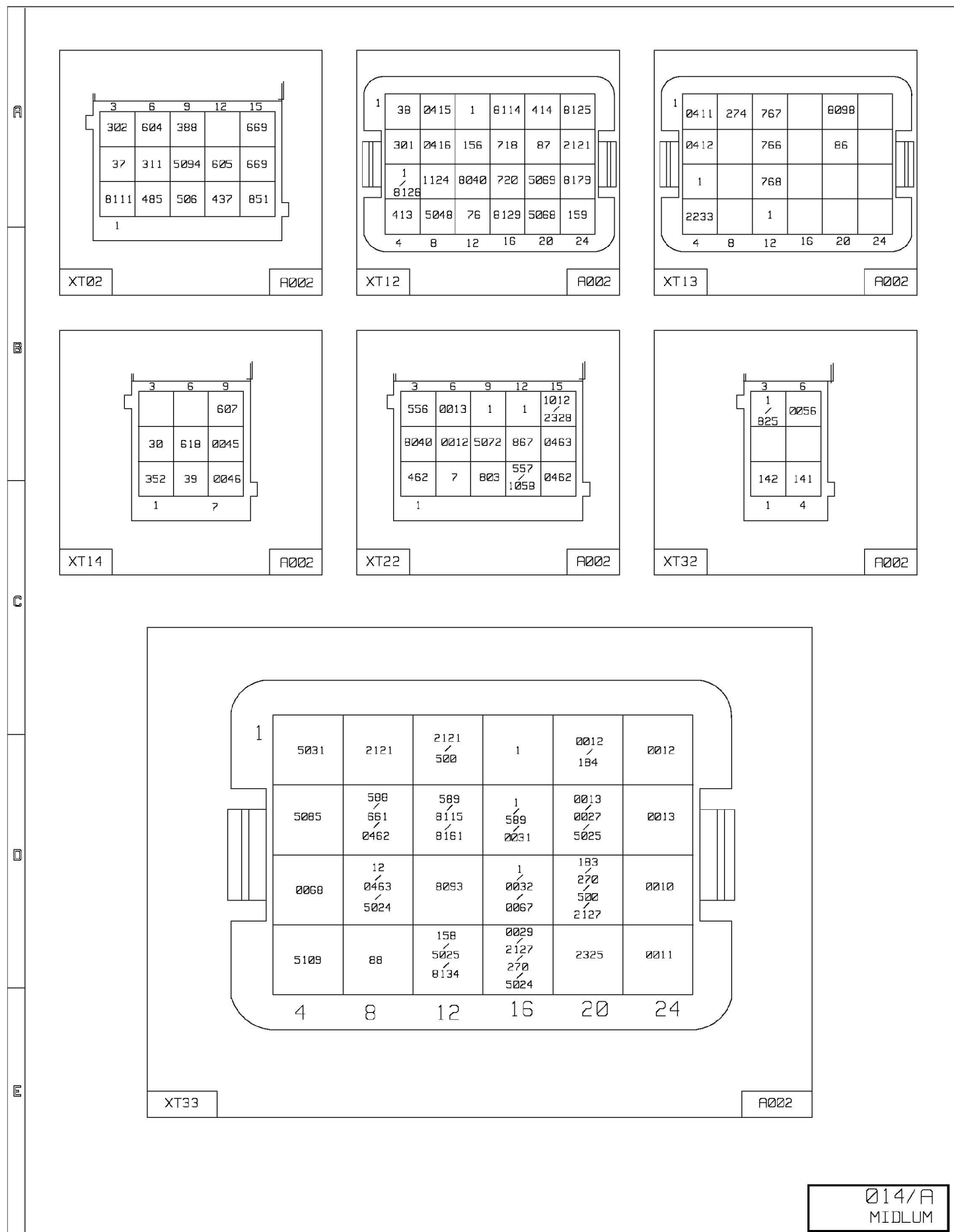
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Connectors - Dashboard harness (13/15)

Code	Title of the function	Connector	Colour	No. of pins
A001	Electrical distribution box in cab	XJC01_11	LVO	15
A001	Electrical distribution box in cab	XJC01_12	BL	15
A001	Electrical distribution box in cab	XJC01_13	BL	12
A001	Electrical distribution box in cab	XJC01_14	NL	9
A001	Electrical distribution box in cab	XJC01_15	LVO	12
A001	Electrical distribution box in cab	XJC01_16	LBL	9
A001	Electrical distribution box in cab	XJC01_17	LBL	12
A001	Electrical distribution box in cab	XJC01_18	Y	9
A001	Electrical distribution box in cab	XJC01_19	LVO	12
A001	Electrical distribution box in cab	XJR32	NL	12

Connectors - Dashboard harness (14/15)



Connectors - Dashboard harness (14/15)

Code	Title of the function	Connector	Colour	No. of pins
A002	Chassis-cab connection box	XT02	NL	15
A002	Chassis-cab connection box	XT12	GN	24
A002	Chassis-cab connection box	XT13	R	24
A002	Chassis-cab connection box	XT14	BL	9
A002	Chassis-cab connection box	XT22	R	15
A002	Chassis-cab connection box	XT32	BL	6
A002	Chassis-cab connection box	XT33	Y	24

Connectors - Dashboard harness (15/15)

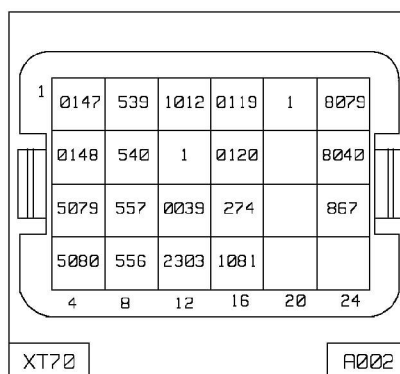
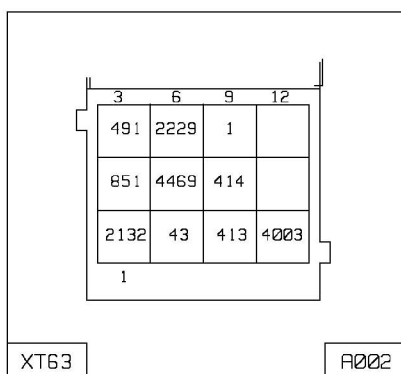
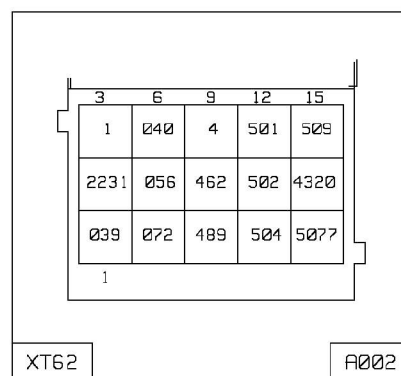
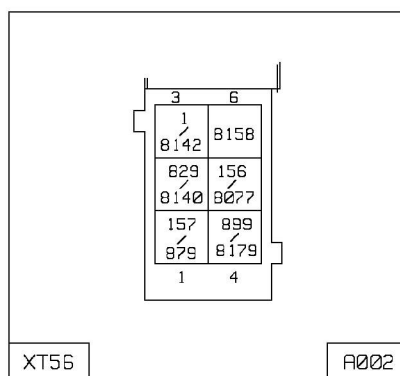
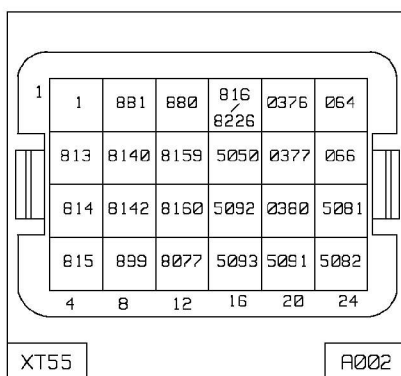
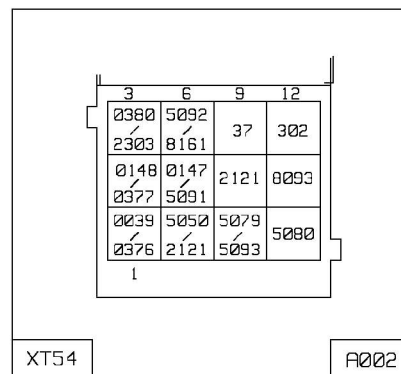
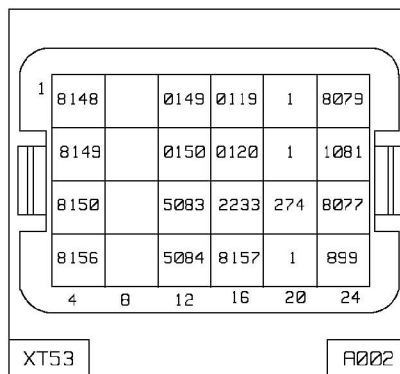
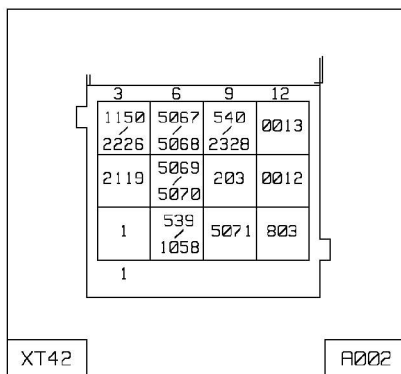
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Connectors - Dashboard harness (15/15)

Code	Title of the function	Connector	Colour	No. of pins
A002	Chassis-cab connection box	XT42	BL	12
A002	Chassis-cab connection box	XT53	BL	24
A002	Chassis-cab connection box	XT54	R	12
A002	Chassis-cab connection box	XT55	NL	24
A002	Chassis-cab connection box	XT56	NL	6
A002	Chassis-cab connection box	XT62	BL	15
A002	Chassis-cab connection box	XT63	R	12
A002	Chassis-cab connection box	XT70	GR	24

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