

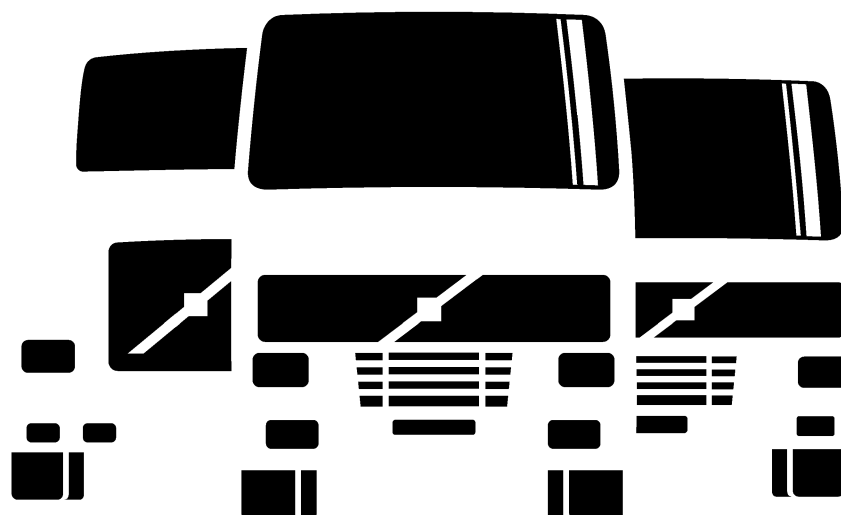
Service Manual Trucks

Group **37**

Release **03**

Wiring diagram

FL



Foreword

The descriptions and service procedures contained in this manual are based on designs and methods studies carried out up to September 08.

The products are under continuous development. Vehicles and components produced after the above date may therefore have different specifications and repair methods. When this is judged to have a significant bearing on this manual, supplementary service bulletins will be issued to cover the changes.

The new edition of this manual will update the changes.

In service procedures where the title incorporates an operation number, this is a reference to V.S.T. (Volvo Standard Times).

Service procedures which do not include an operation number in the title are for general information and no reference is made to V.S.T.

The following levels of observations, cautions and warnings are used in this Service Documentation:

Note: Indicates a procedure, practice, or condition that must be followed in order to have the vehicle or component function in the manner intended.

Caution: Indicates an unsafe practice where damage to the product could occur.

Warning: Indicates an unsafe practice where personal injury or severe damage to the product could occur.

Danger: Indicates an unsafe practice where serious personal injury or death could occur.

Volvo Truck Corporation

Göteborg, Sweden

Order number: 20150038

Repl: Service Manual group 37 20177905 and service bulletin 370-149-01

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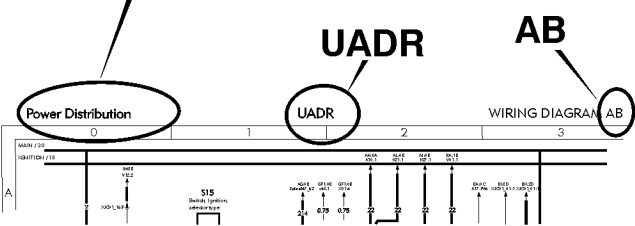
ENG30039.ihval

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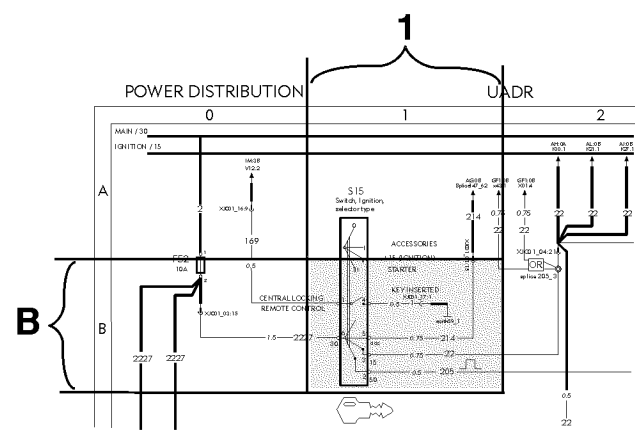
Example of wiring diagram

Power Distribution



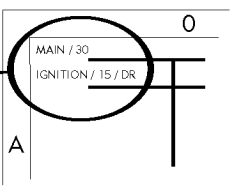
Component wiring diagram title, variant/subtitle and symbol.

Coordinates (B 1).



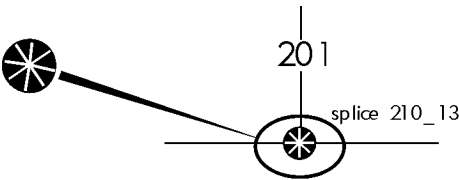
MAIN /30

IGNITION /15/DR

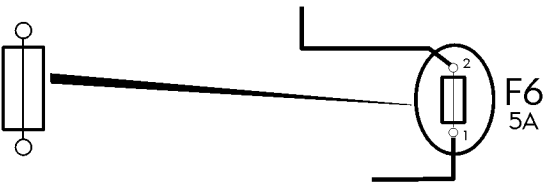


30 Voltage battery, kl.30.
15 Voltage with starter key in drive position and start position, kl.15/kl.DR.

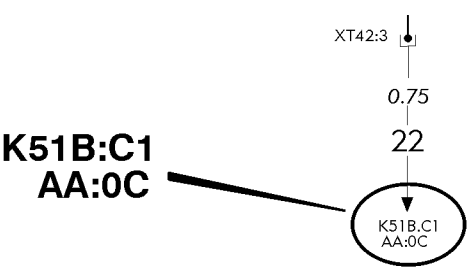
Splice.

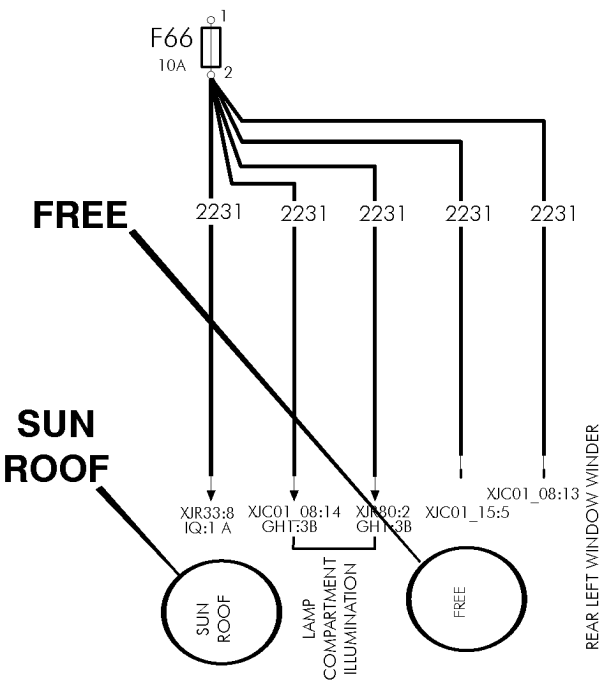


Fuse.

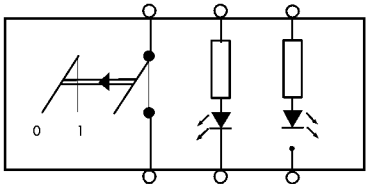


Reference arrow, for diagram AA, coordinates 0 C, component K51B, connector C pin 1.

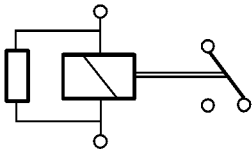




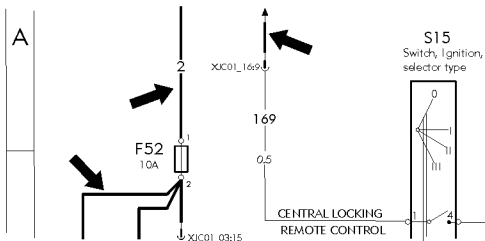
The maximum of variants are drawn, think about that all wires and components are not standard for all markets or vehicle models.



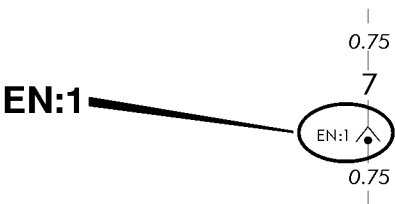
Switch.



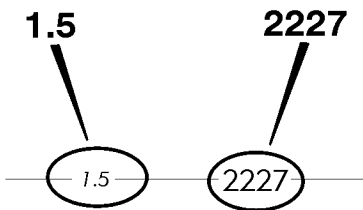
Relay.



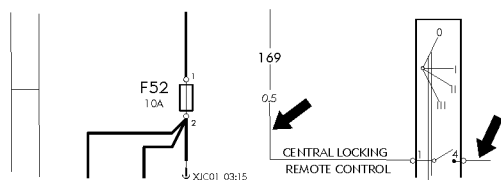
Conductor on circuit card.



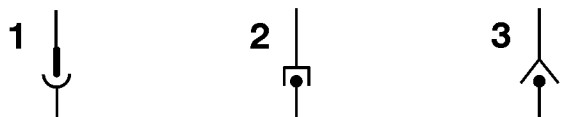
Connector EN terminal 1.



Wire area and wire number.



Thin lines, wires.

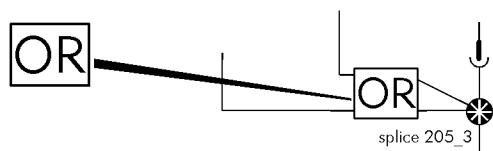


Connectors.

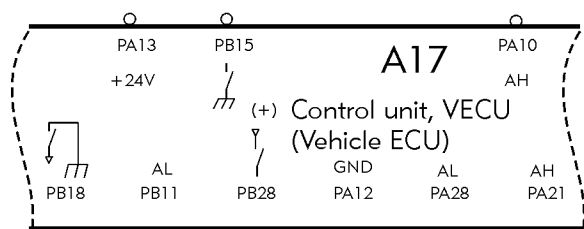
1 EJB connectors.

2 Pass through connector chassis-cab.

3 Others.

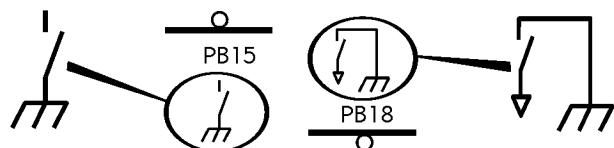


“OR” It is an exclusive OR (only one possibility) between the different solutions (1 or 2 or 3), due to the configuration of the vehicle.



Electronic Control unit.

The inputs/outputs of ECUs are symbolized in the way described below:



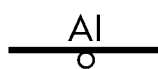
2 alternative of digital output low (set to the ground).



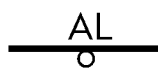
Digital output high (set to 24V, 5V...).



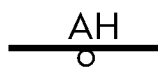
Ground of ECU.



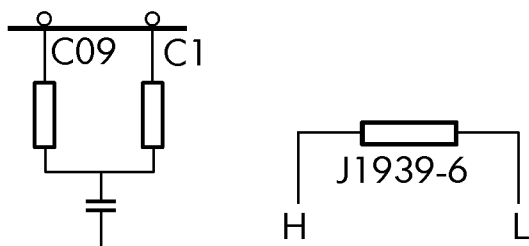
Analog input.



Active low.

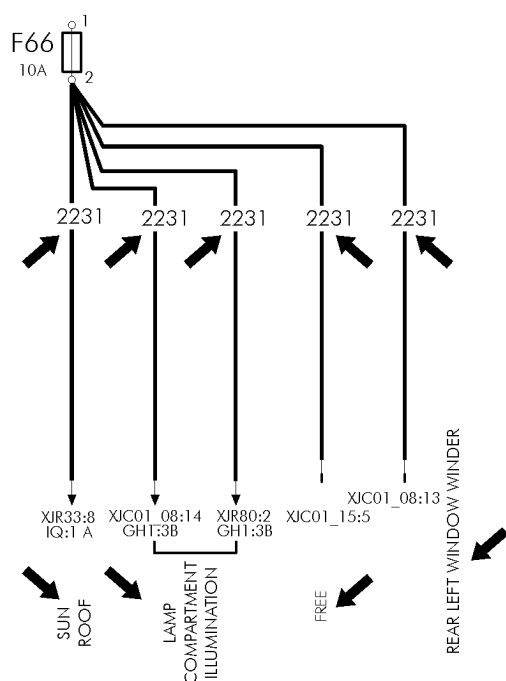


Active high.



Ending resistance of communication bus CAN (120 Ω)

Wiring numbers



Wire equipotential: Equipotential is a wire propriety which characterize a signal flowing a wire (same signal = same equipotential). Several wires could have the same equipotential.

T3018844

Example of wiring numbers.

The first digit of the number	Family
1	Ground and negative supply
2	Positive supply
3	Signal
4	Comfort accessories
5	Security accessories
6	Lighting
7	Instrumentation
8	Body builder
9	Free
0	Electronic/Data link

Starting switch

Switch logic diagram.

Terminal	Key in position								
	Key inserted	—	“0”	—	“I”	—	“II”	—	“III”
Key inserted (1)									
Off									
Accessories (5)									
+15/DR (3)									
50 (2)									

Component wiring diagram index

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AJ	Power supply, kl.15, relay K27	page 15
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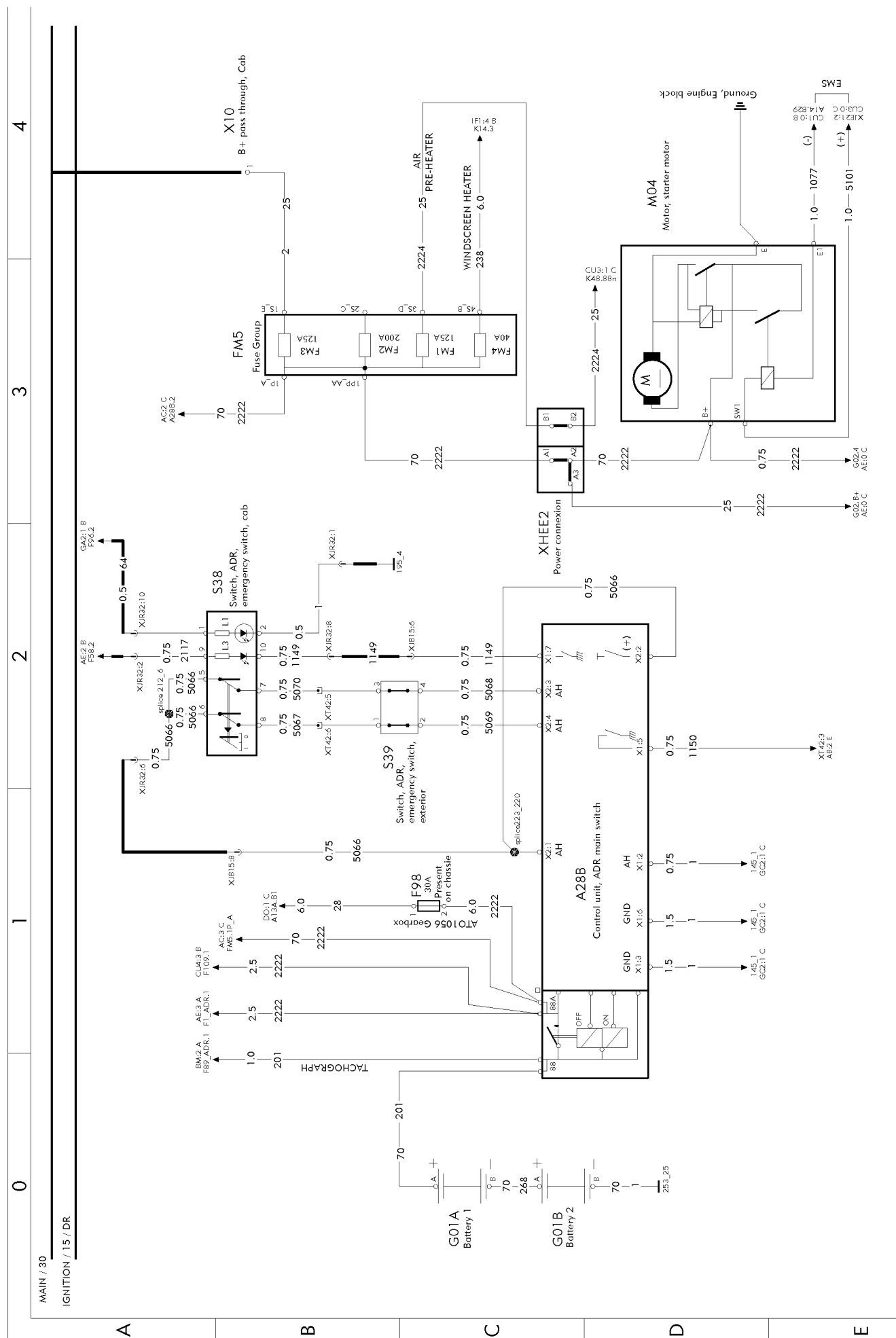
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XB	Bus J1939–1	page 75
XC	Bus J1939–2	page 76
XD	Bus J1939–7	page 77

[∞] Power supply, starting system, UADR

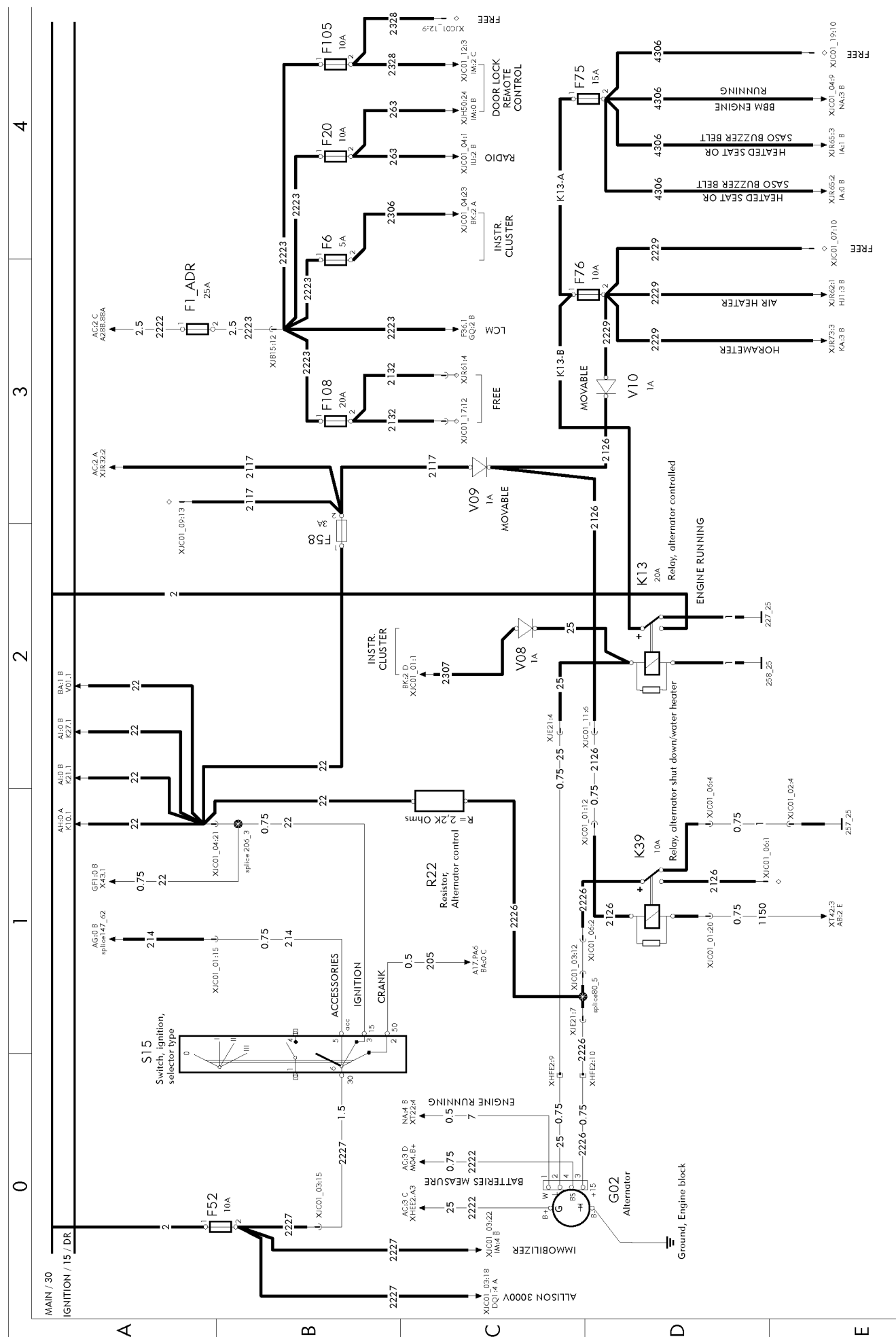


10 Power supply starting system, ADR

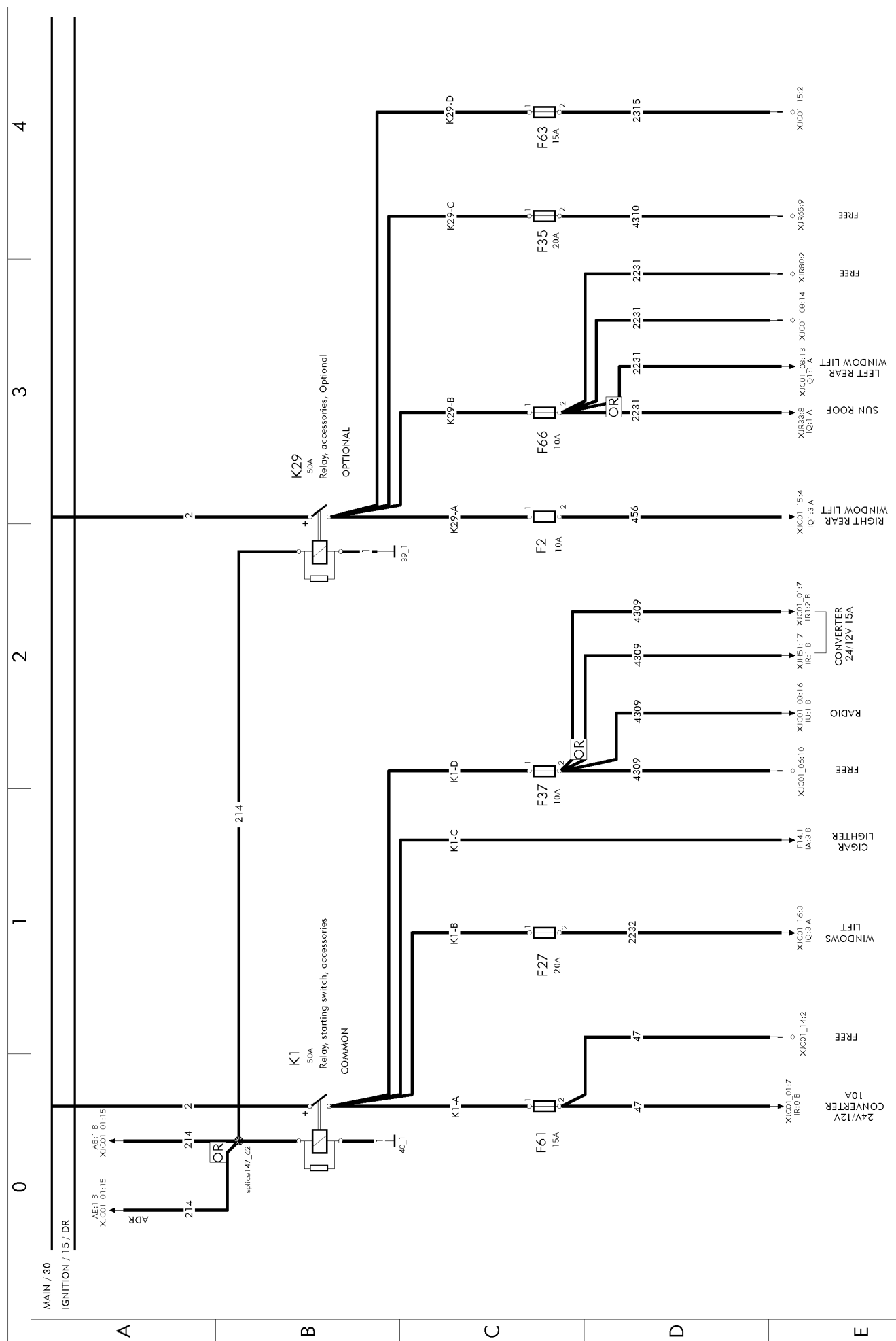
WIRING DIAGRAM AC



WIRING DIAGRAM AE

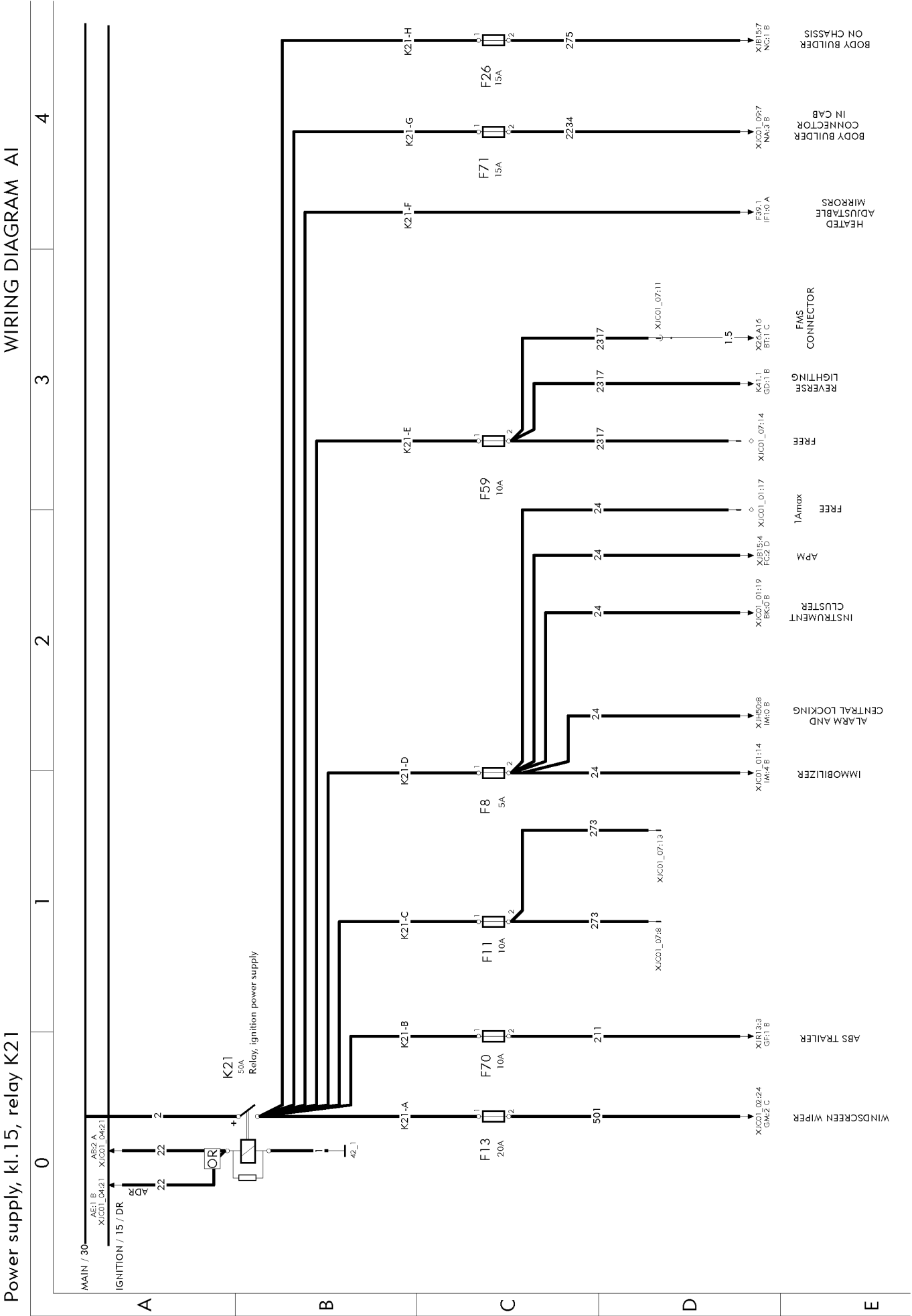


WIRING DIAGRAM AG



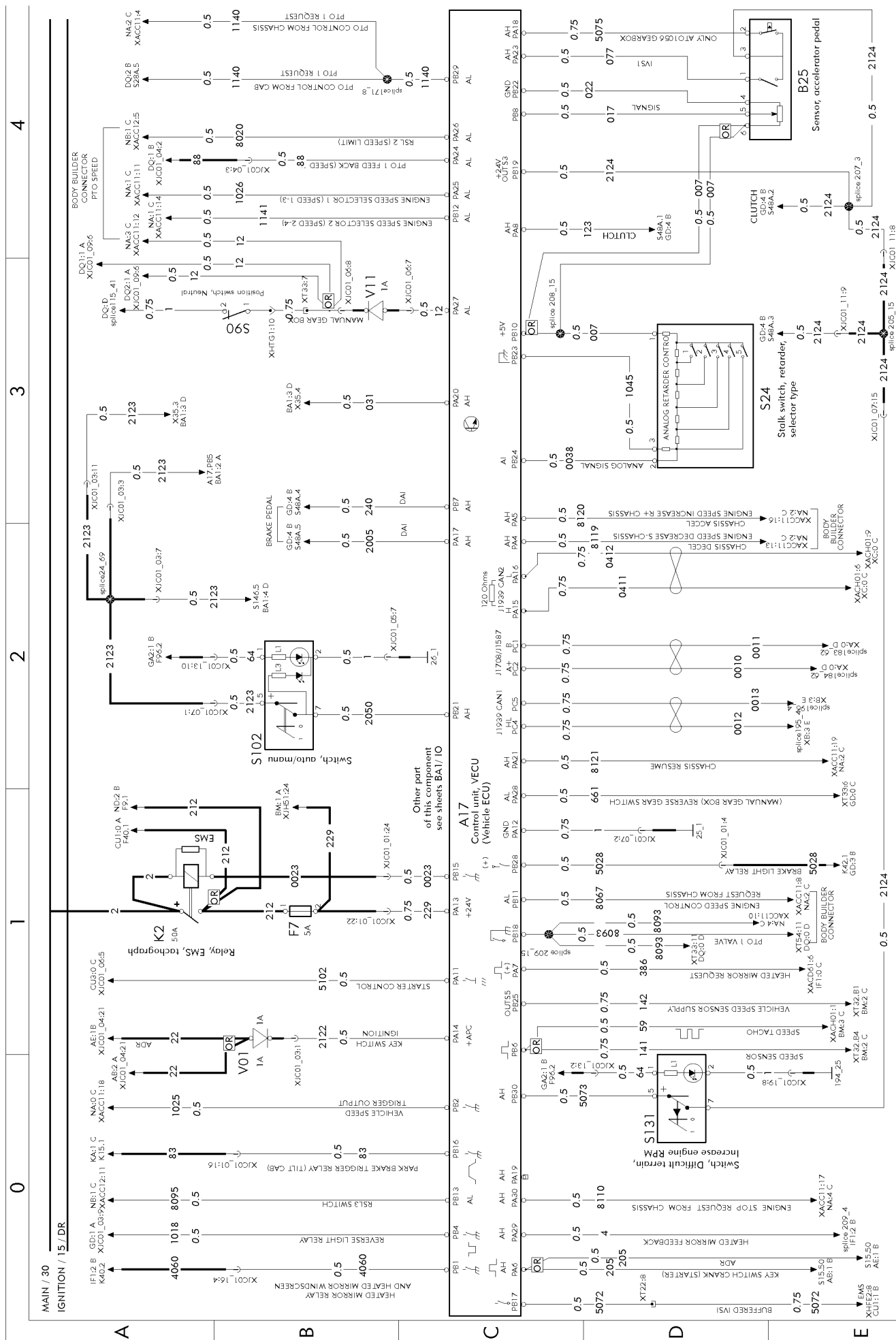


14 Power supply, kl.15, relay K21





16 Vehicle ECU



	0	1	2	3	4
0					
1					
2					
3					
4					

IGNITION / 15 / DR

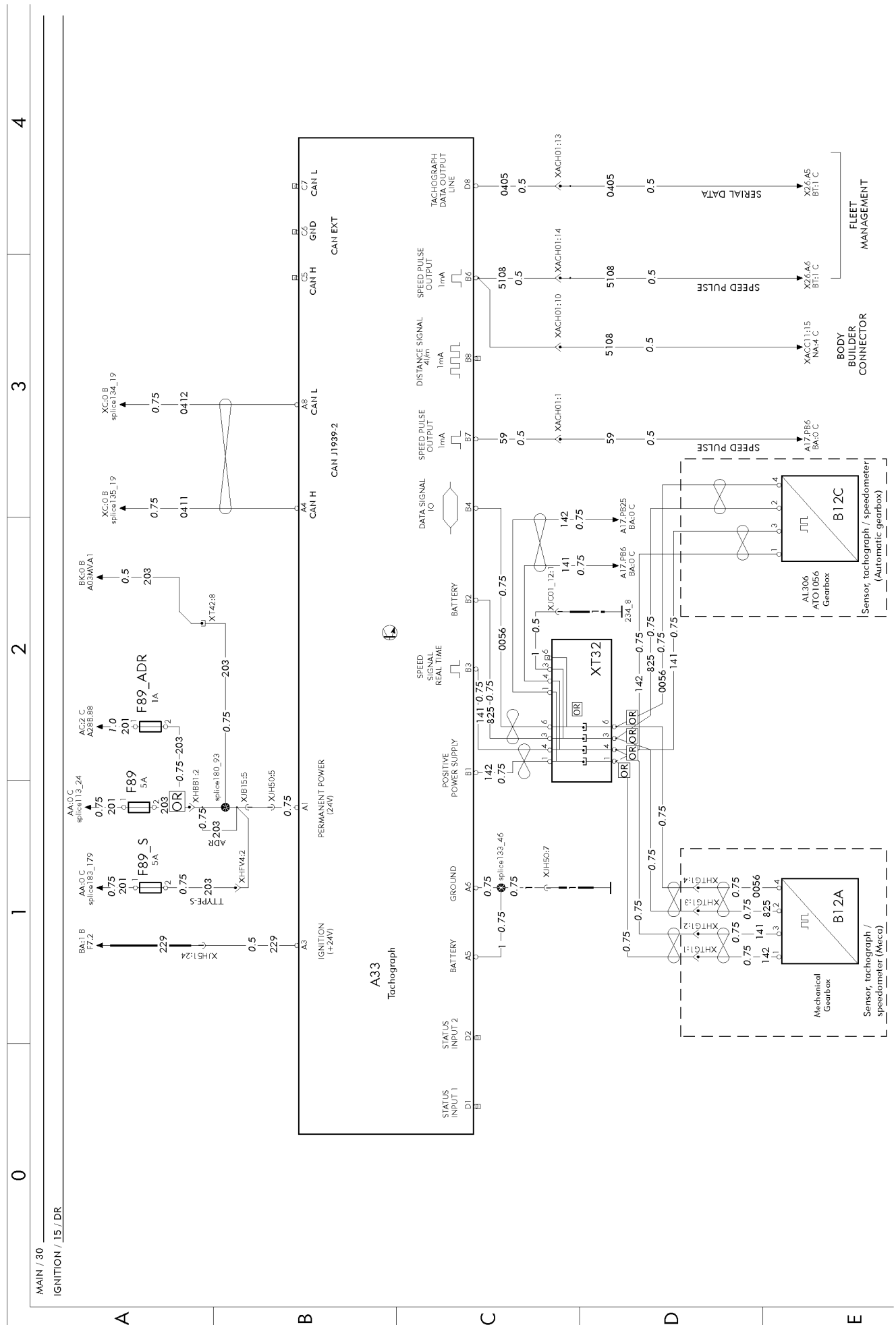


18



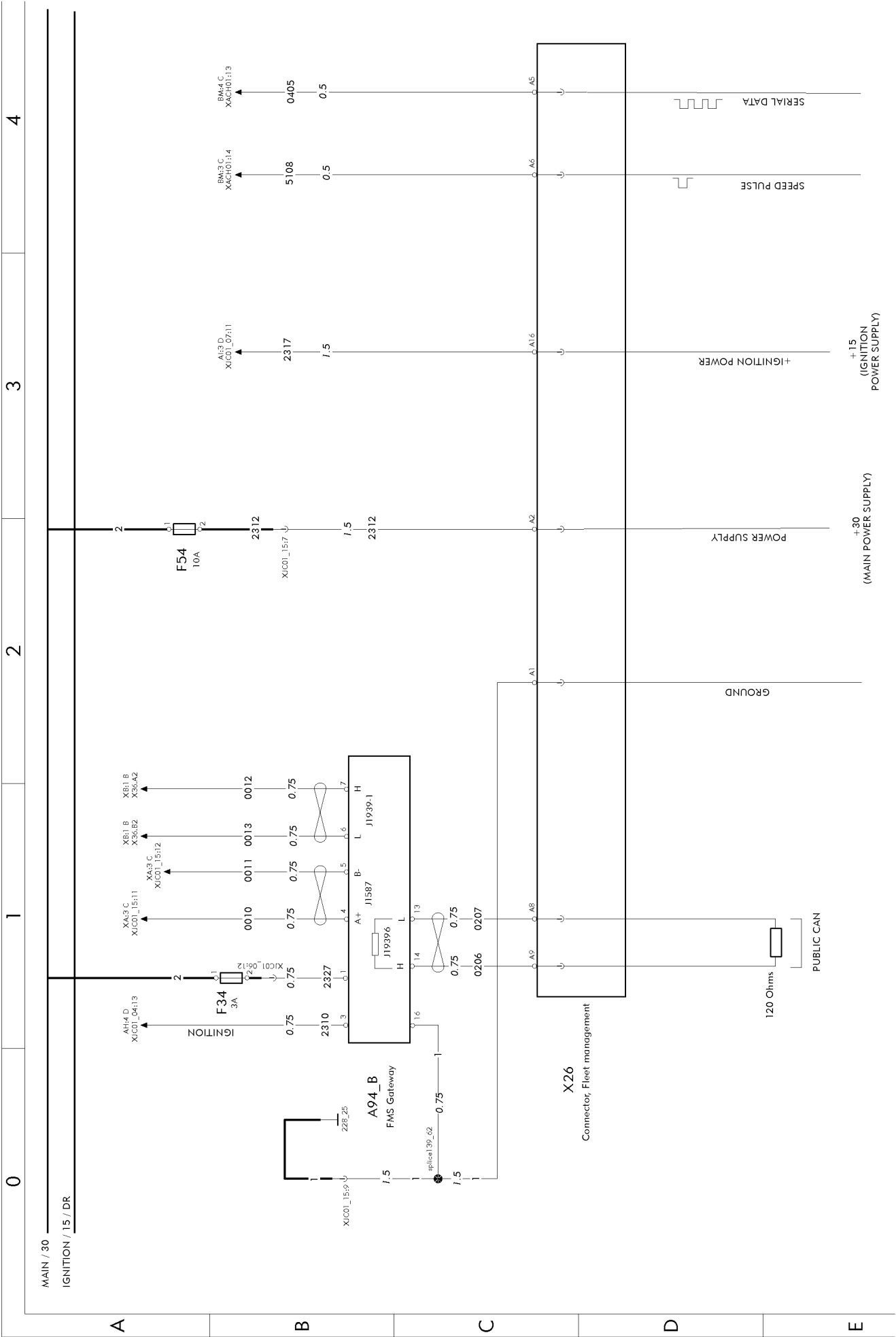
Tachograph

WIRING DIAGRAM BM



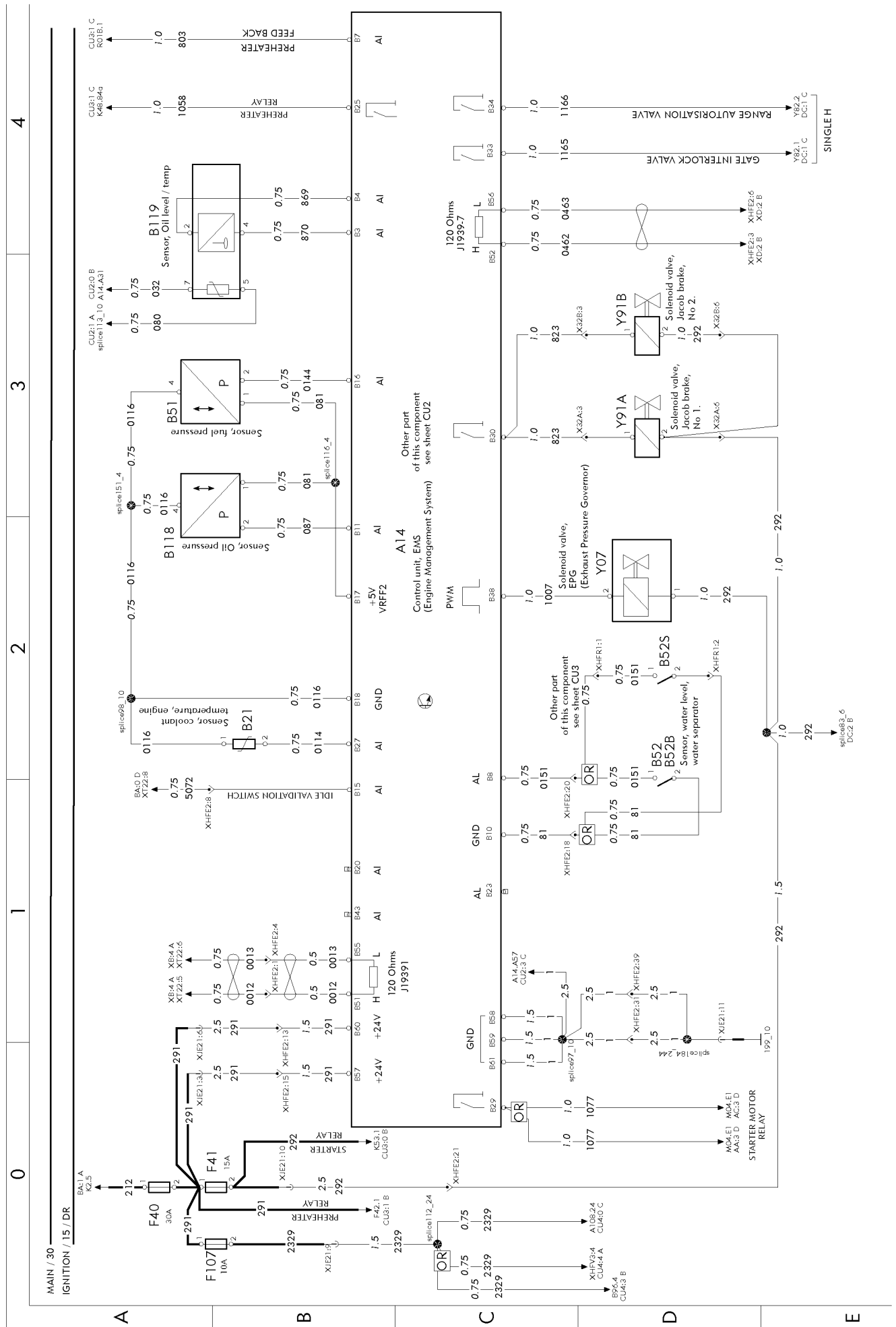
20 Fleet management system Gateway (FMS)

WIRING DIAGRAM BT



Engine ECU (B connector)

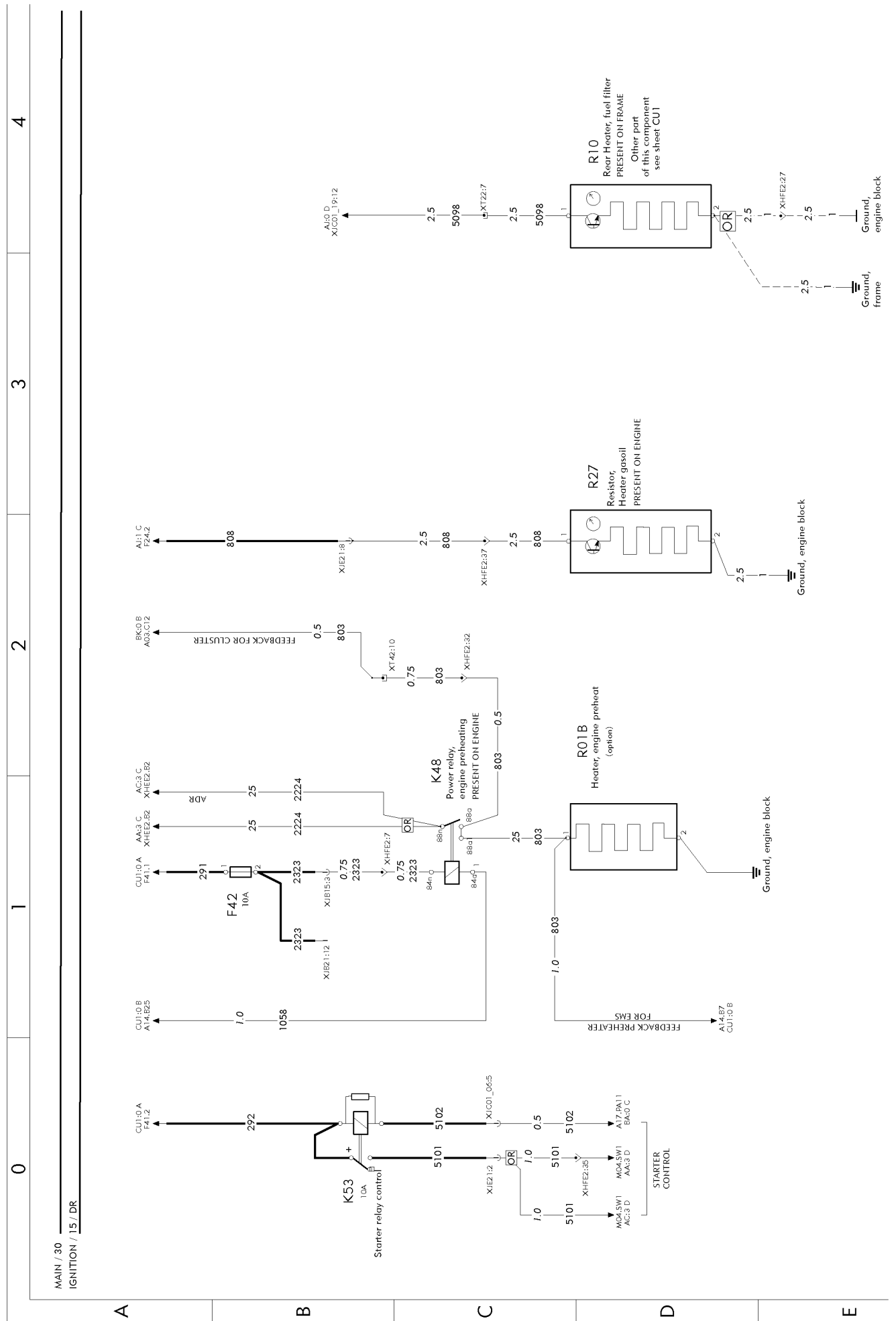
WIRING DIAGRAM CUI



WIRING DIAGRAM CU2



WIRING DIAGRAM CU3

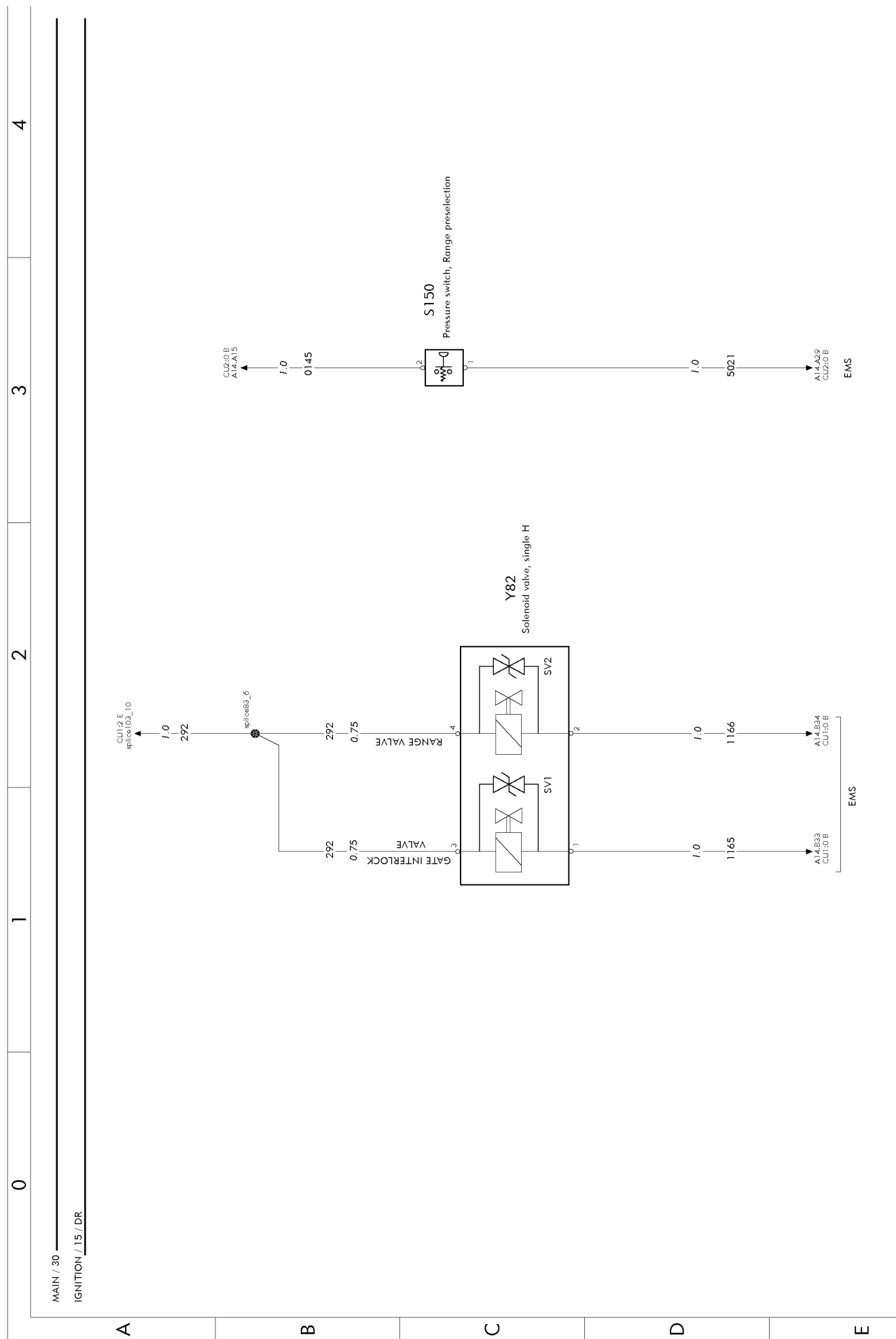


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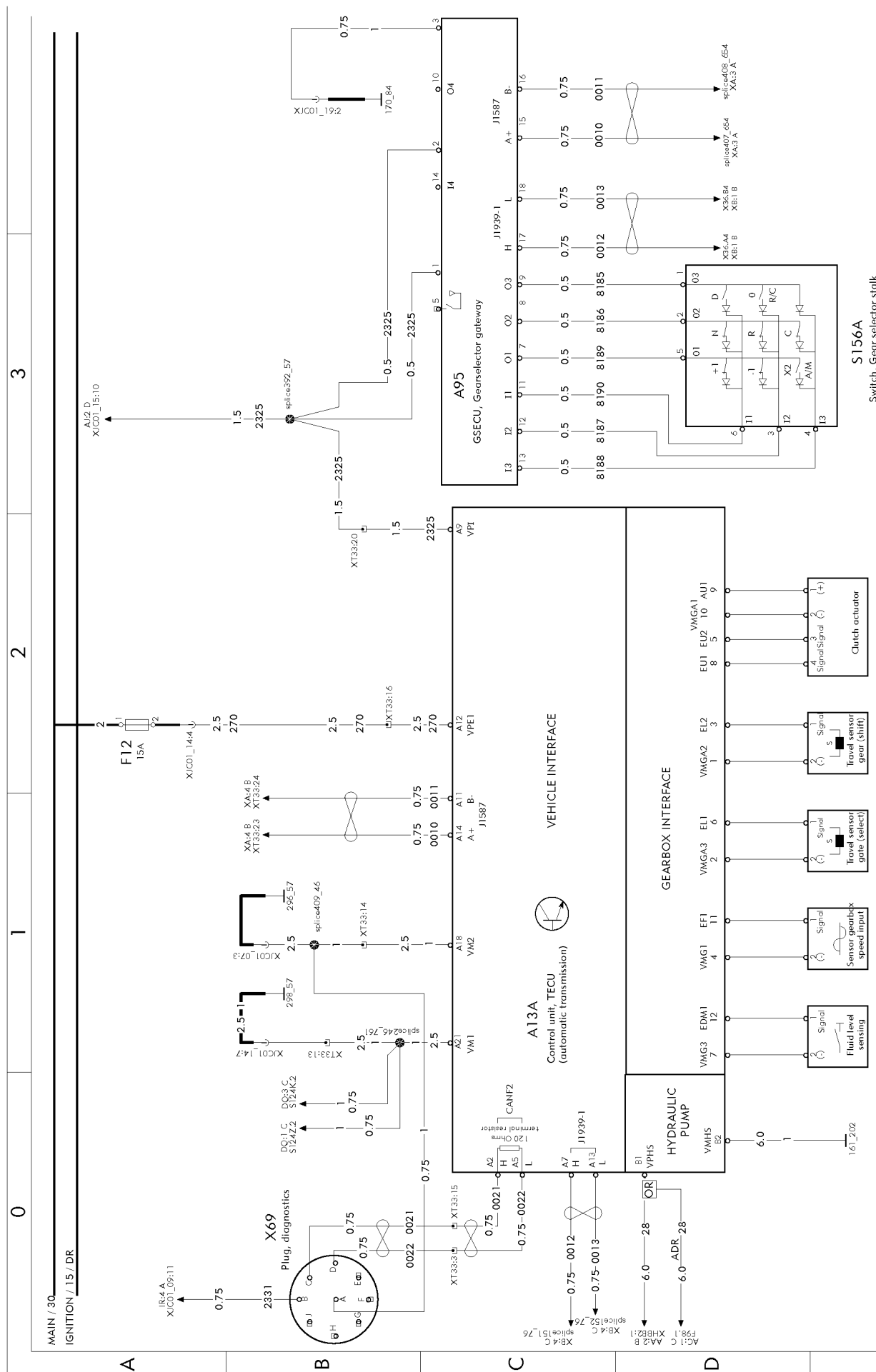


Single H (ZTO1109)

WIRING DIAGRAM DC

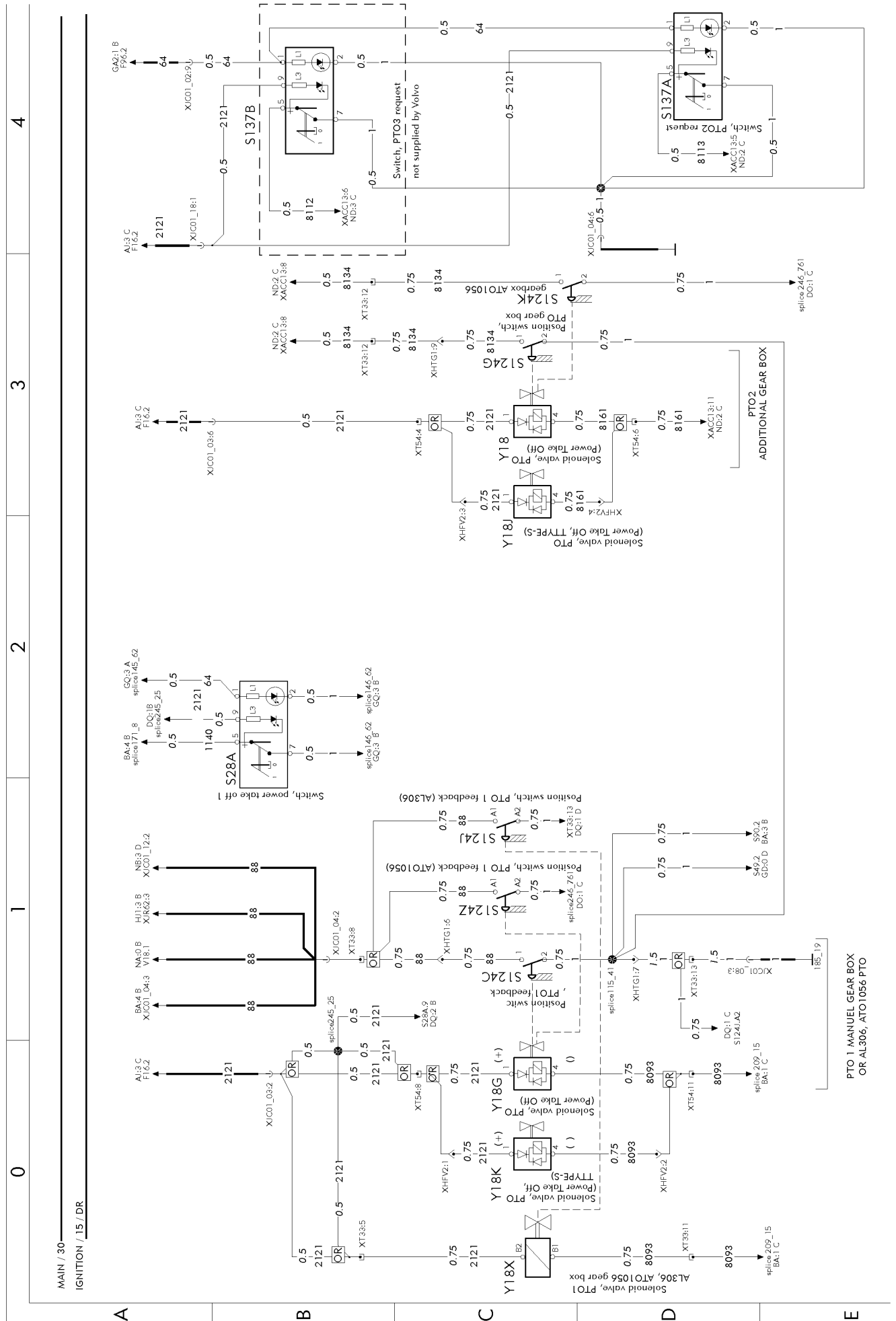


WIRING DIAGRAM DO



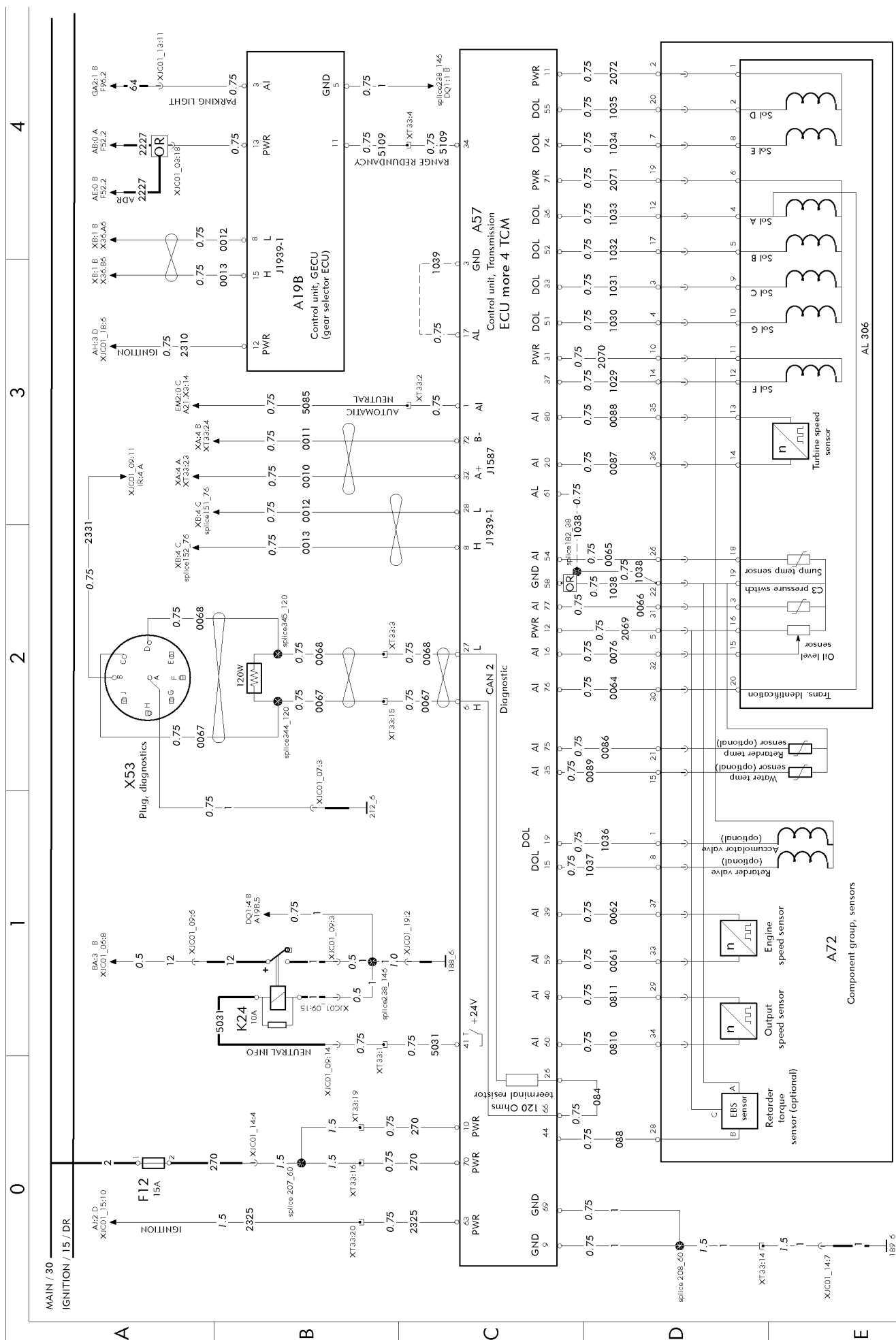
Power take off

WIRING DIAGRAM DQ

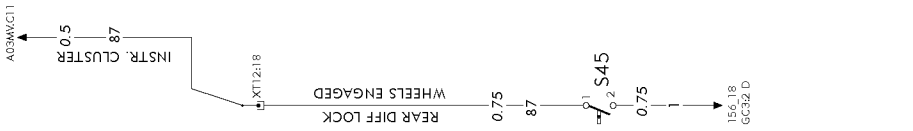


Automatic transmission

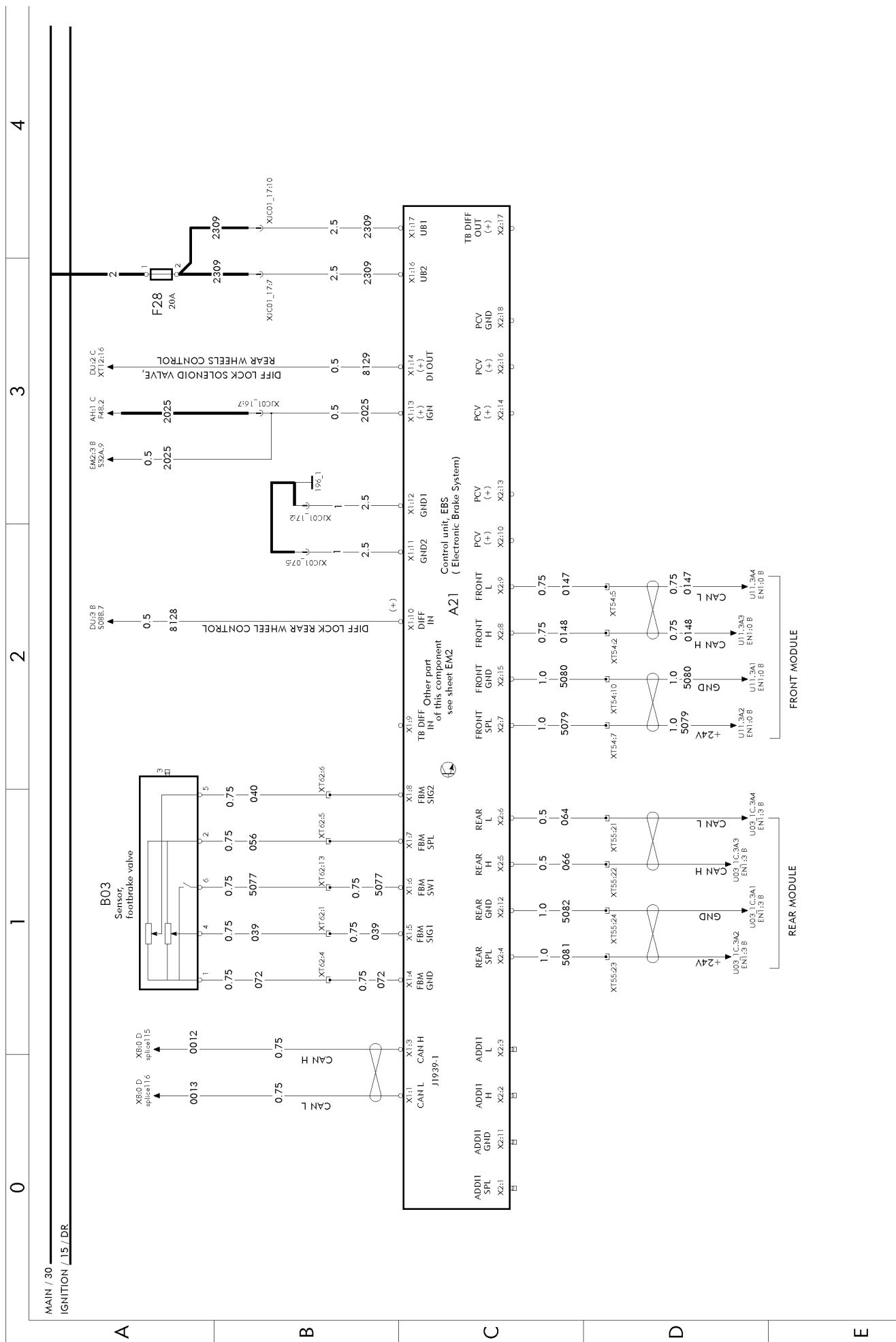
WIRING DIAGRAM DQ1



0	0	1	2	3	4
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BK:0 B
A03MV.C11

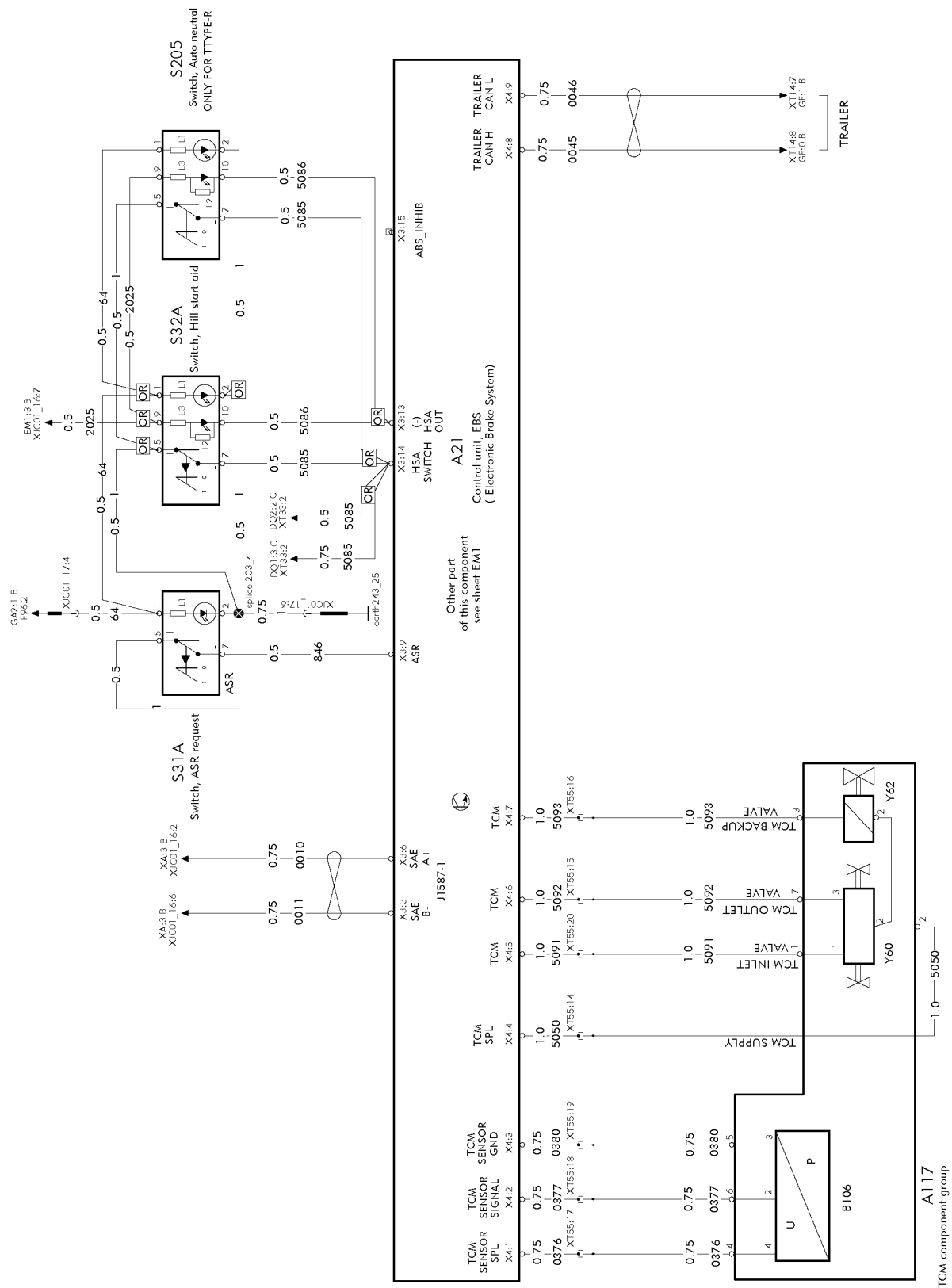
WIRING DIAGRAM EMT

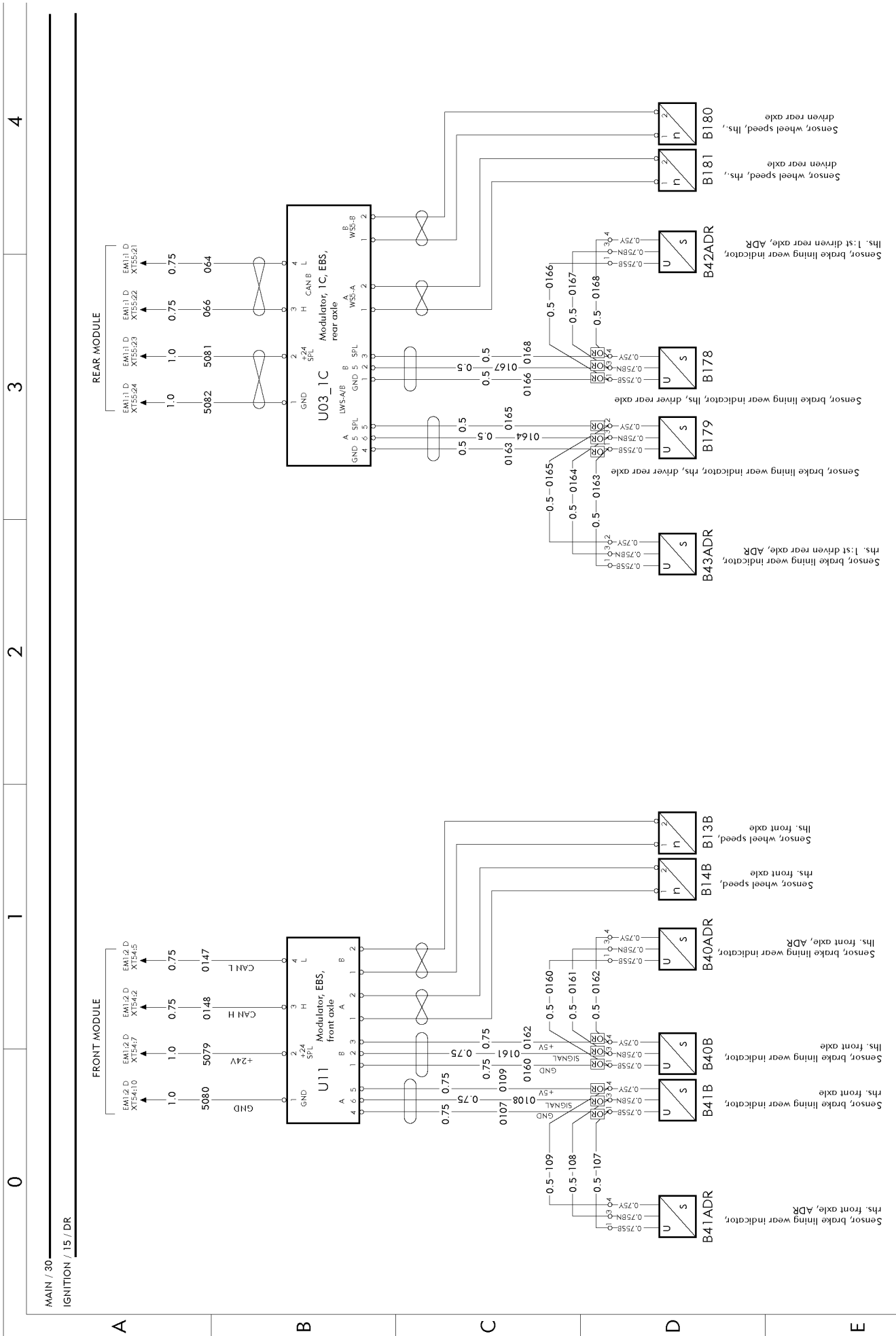


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MAIN / 30

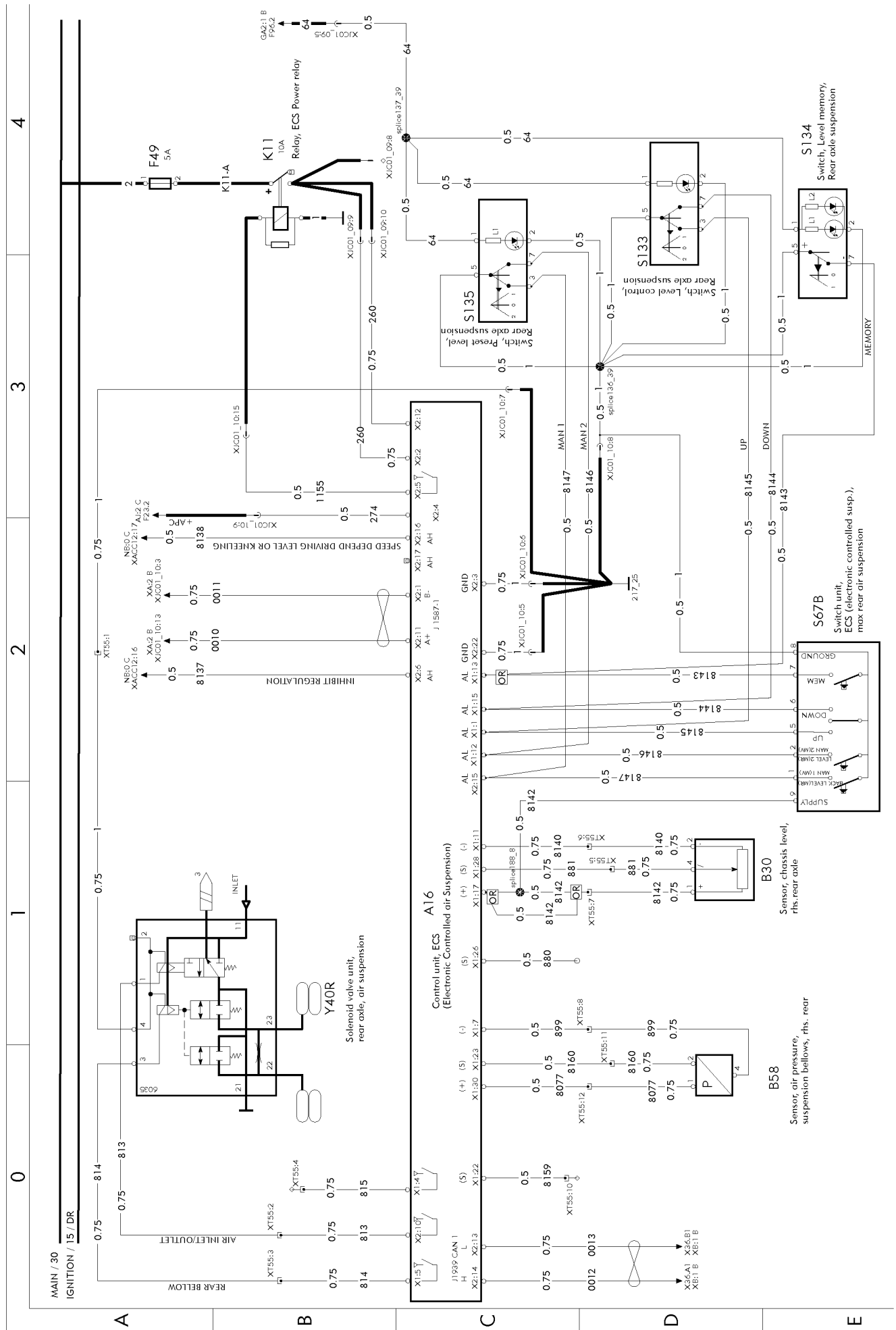
IGNITION / 15 / DR



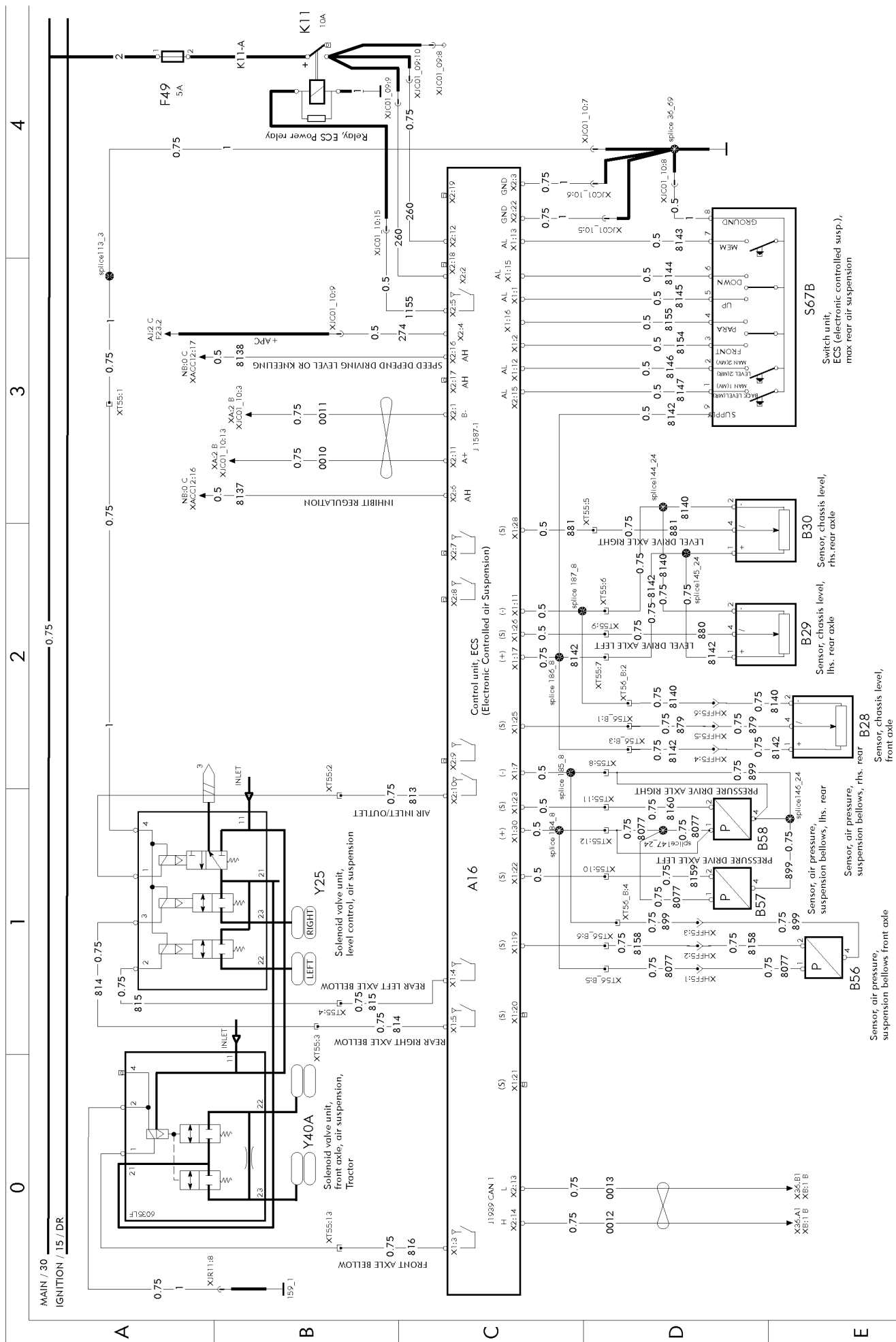


Air-suspension, TRACTOR 4x2 FSS-LEAF SUSPL-E1/SUSPL-E3

WIRING DIAGRAM FA

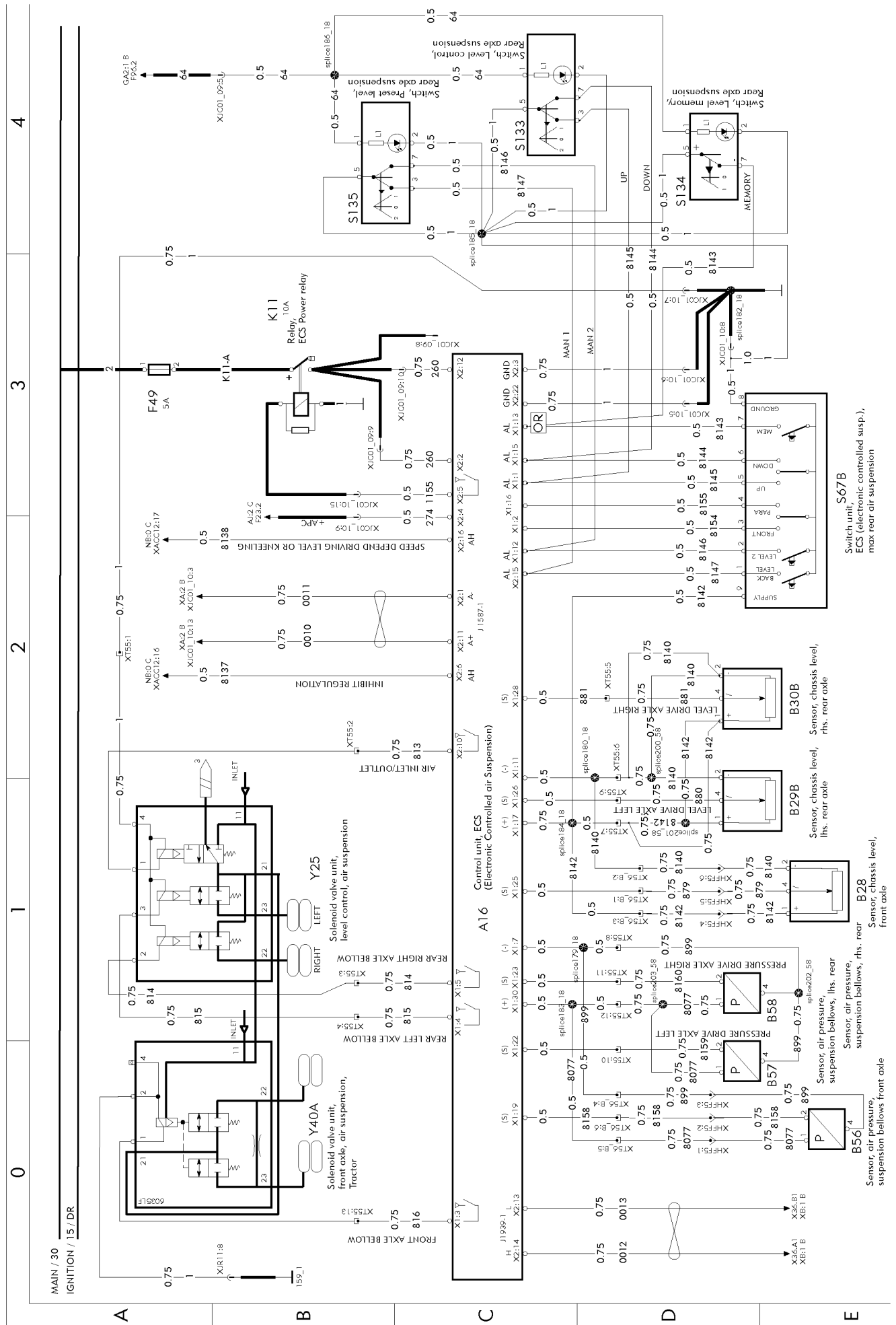


WIRING DIAGRAM FA1



Air-suspension, 4x2 GW18000

WIRING DIAGRAM FA2

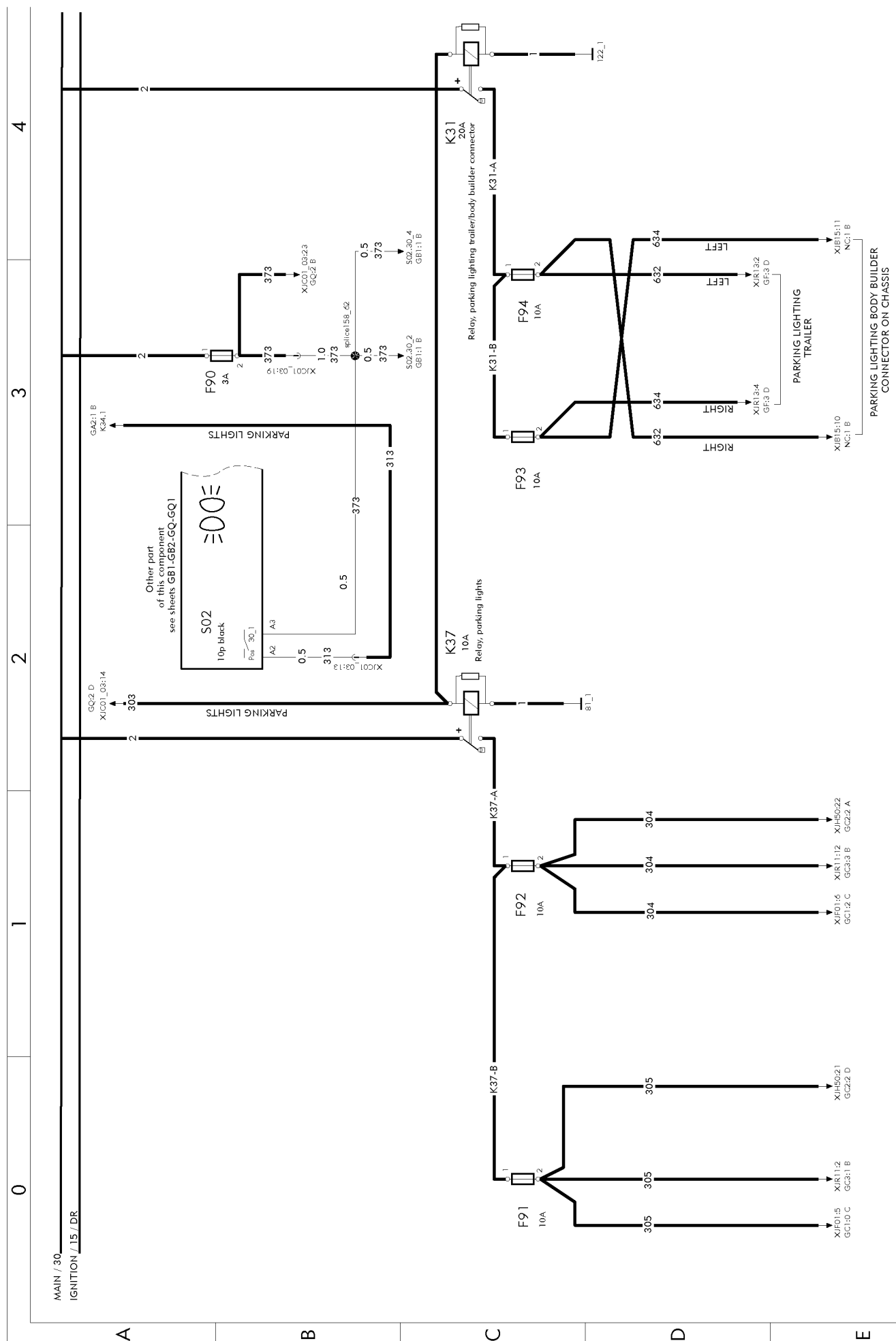


WIRING DIAGRAM FC



Parking lights, relay K31/K37

WIRING DIAGRAM GA1

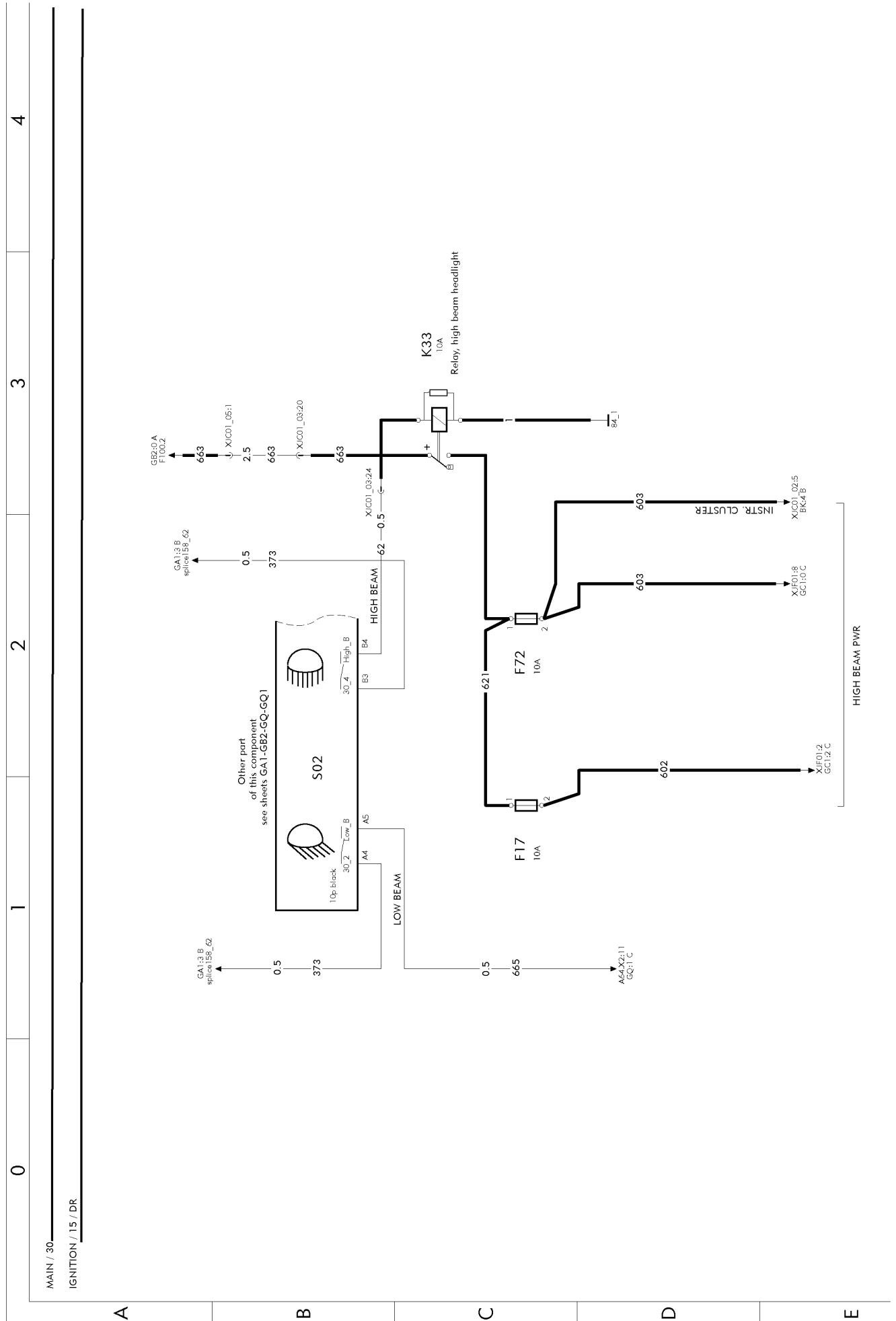


WIRING DIAGRAM GA2



WIRING DIAGRAM GB1

Low beam/high beam headlights control



WIRING DIAGRAM GB2



WIRING DIAGRAM GCI



42 Side lights and beacon warning lights

WIRING DIAGRAM GC2

4

3

2

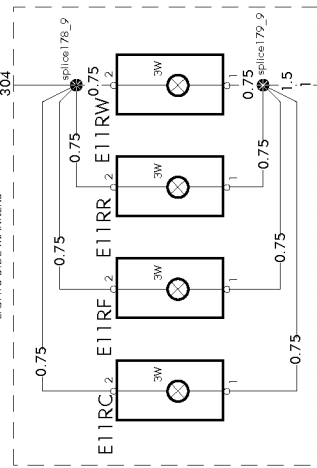
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MAIN / 30

IGNITION / 15 / DR

A

OPTIONAL: RIGHT SIDE PARKING
LIGHTS SIDE MARKERSLamp, side marker light, right rear,
under instep (4 Doors Cab)

E11RR4D

3W

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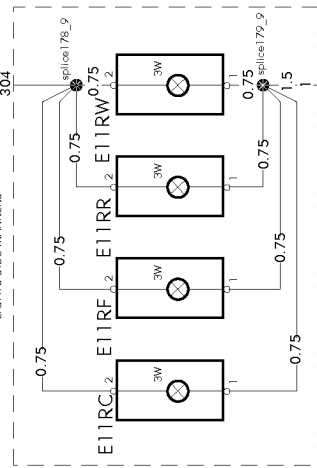
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A

OPTIONAL: LEFT SIDE PARKING
LIGHTS SIDE MARKERSLamp, side marker light, left rear,
under instep (4 Doors Cab)

E11LR4D

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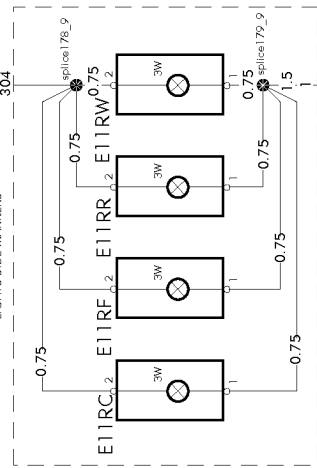
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OPTIONAL: RIGHT SIDE PARKING
LIGHTS SIDE MARKERSLamp, side marker light, right rear,
under instep (4 Doors Cab)

E11RR4D

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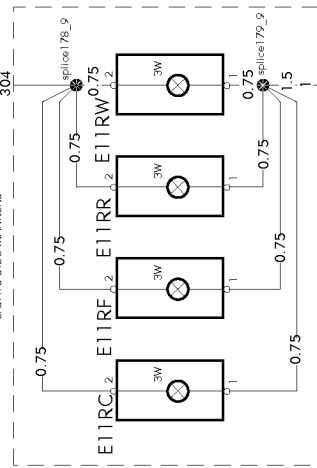
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A

OPTIONAL: LEFT SIDE PARKING
LIGHTS SIDE MARKERSLamp, side marker light, left rear,
under instep (4 Doors Cab)

E11LR4D

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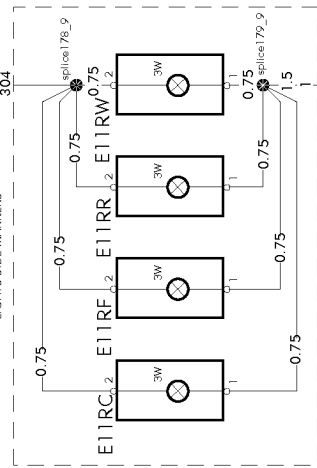
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A

OPTIONAL: RIGHT SIDE PARKING
LIGHTS SIDE MARKERSLamp, side marker light, right rear,
under instep (4 Doors Cab)

E11RR4D

3W

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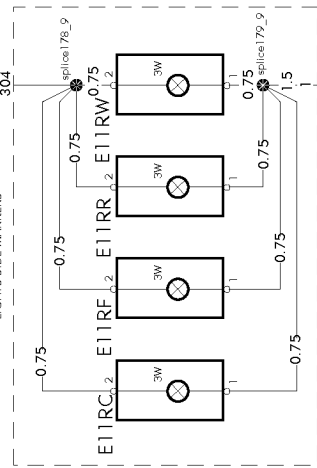
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A

OPTIONAL: LEFT SIDE PARKING
LIGHTS SIDE MARKERSLamp, side marker light, left rear,
under instep (4 Doors Cab)

E11LR4D

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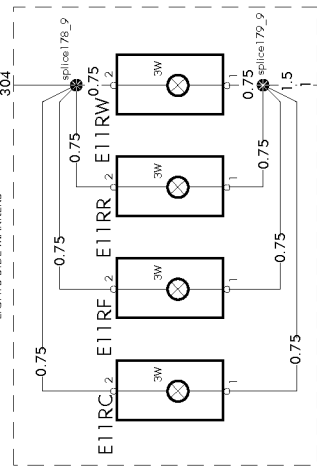
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A

OPTIONAL: RIGHT SIDE PARKING
LIGHTS SIDE MARKERSLamp, side marker light, right rear,
under instep (4 Doors Cab)

E11RR4D

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Rear lamps



WIRING DIAGRAM GD



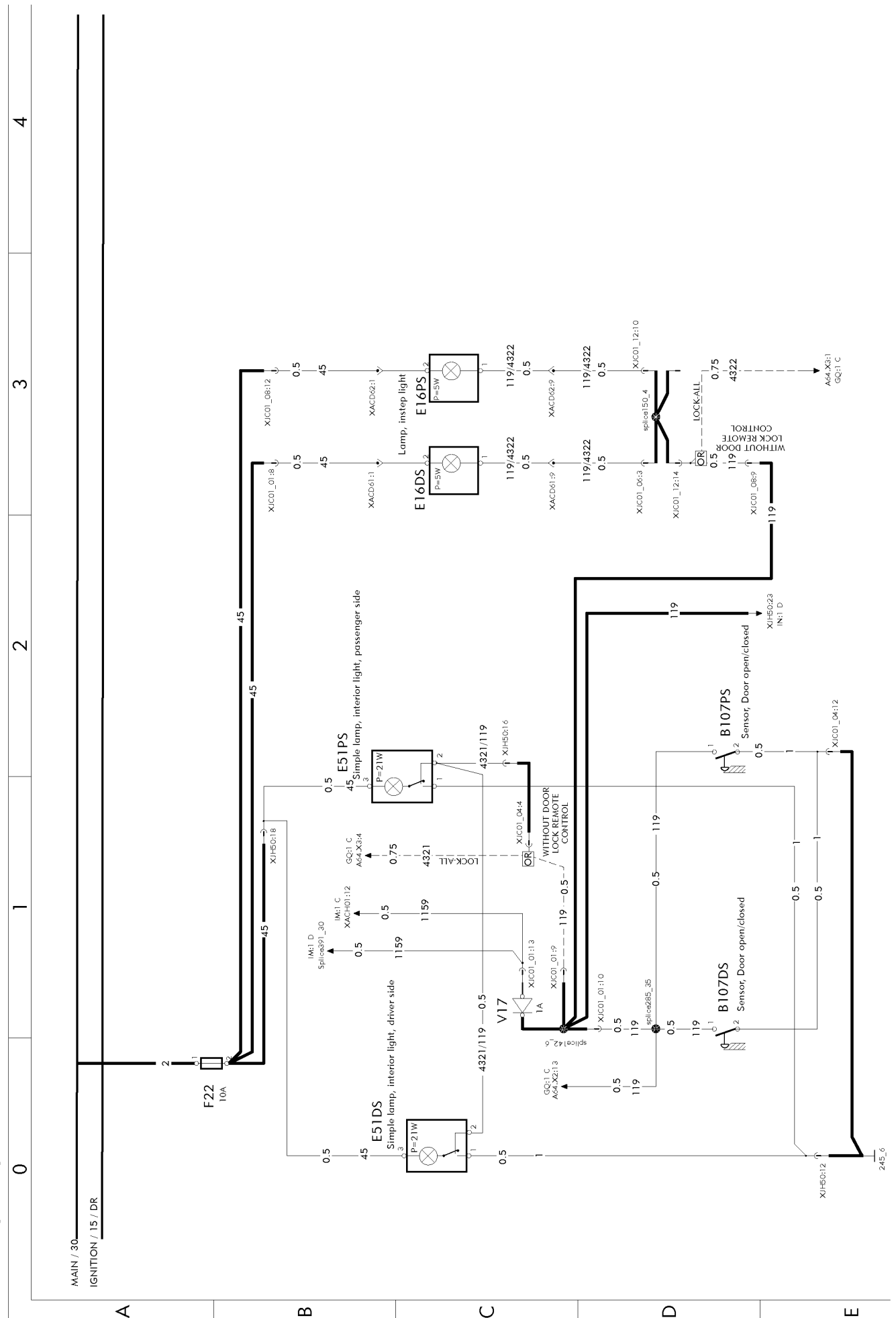
Trailer connections



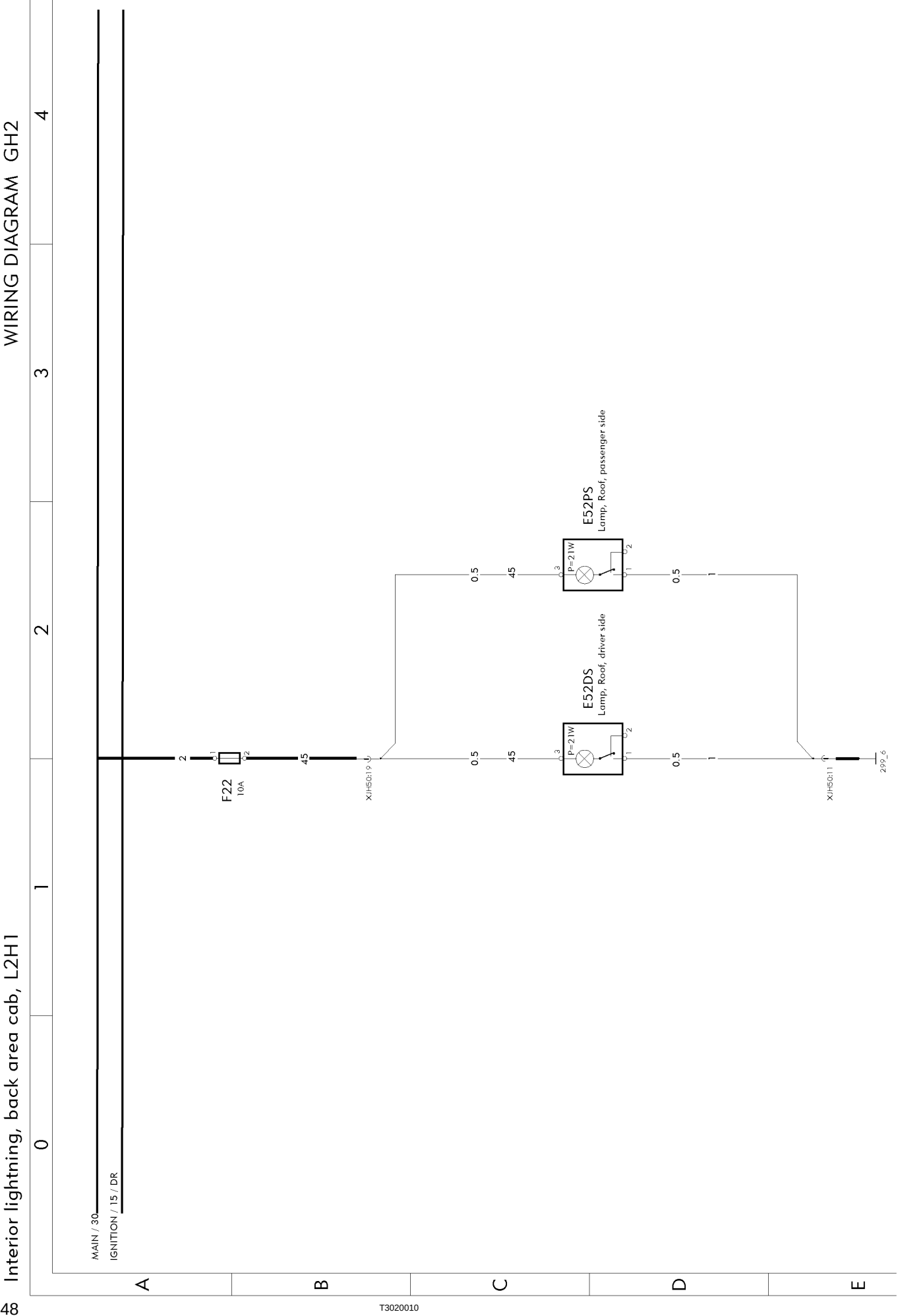


WIRING DIAGRAM GH1

Interior lightning L1H1/L2H1

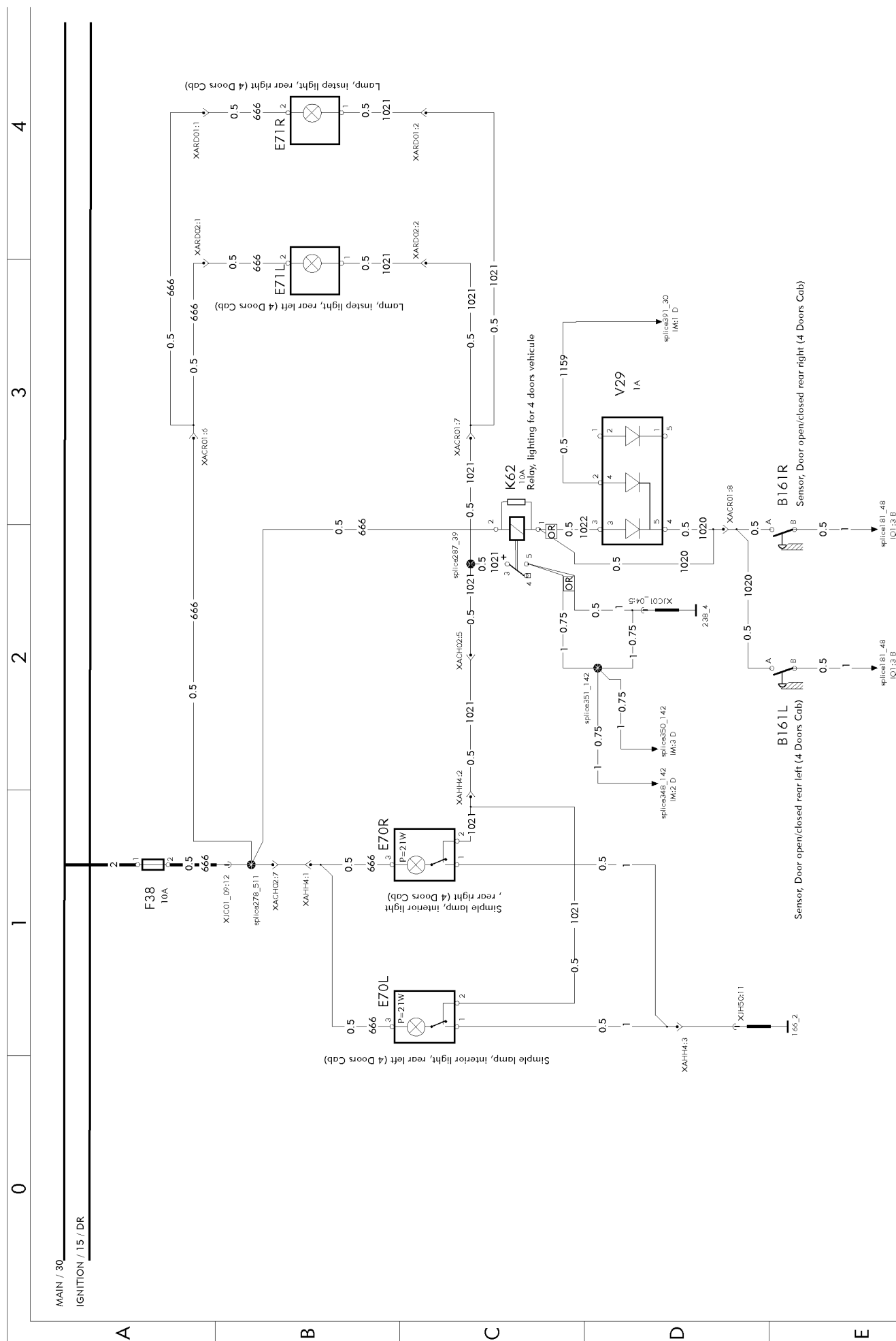


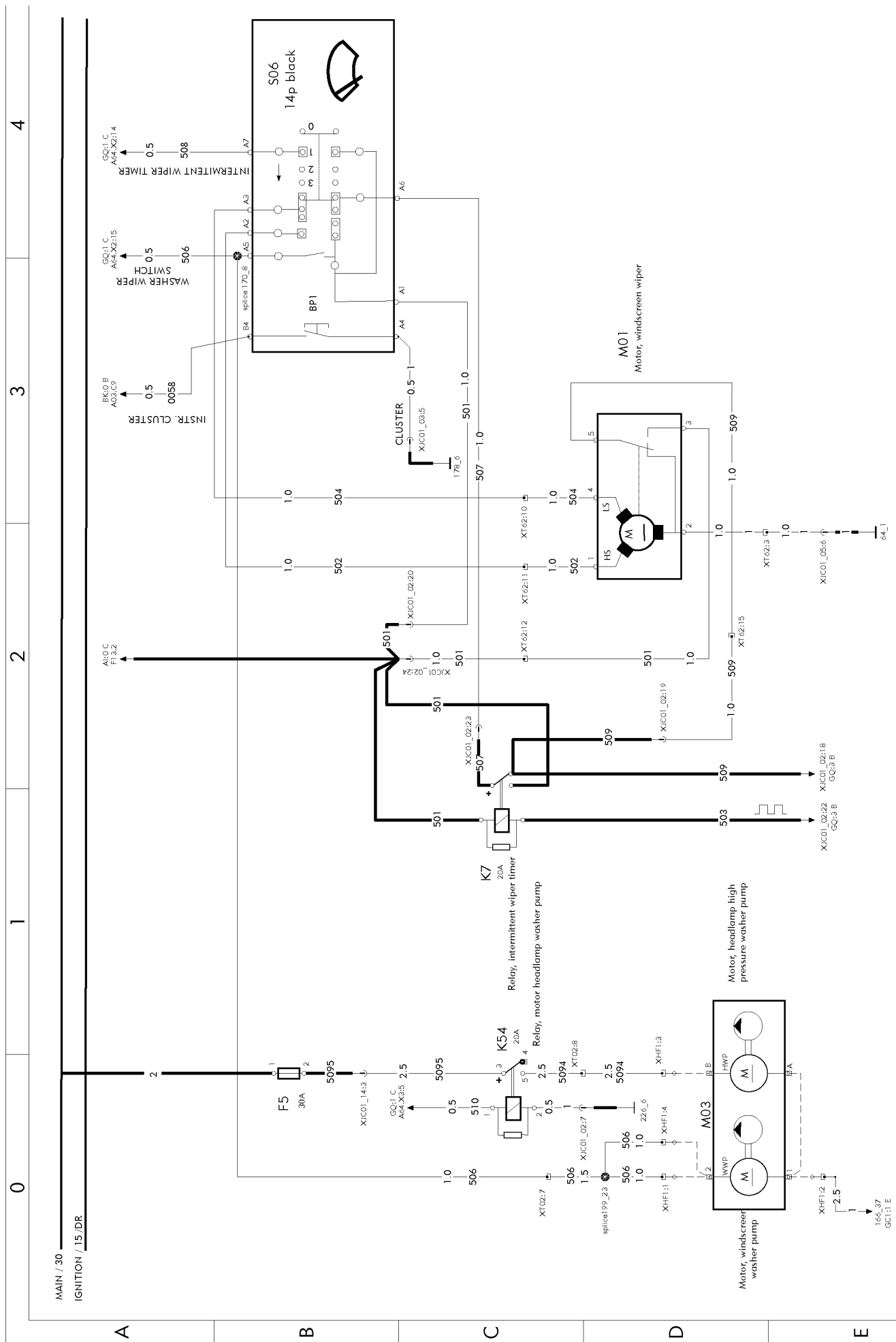
48 Interior lighting, back area cab, L2H1

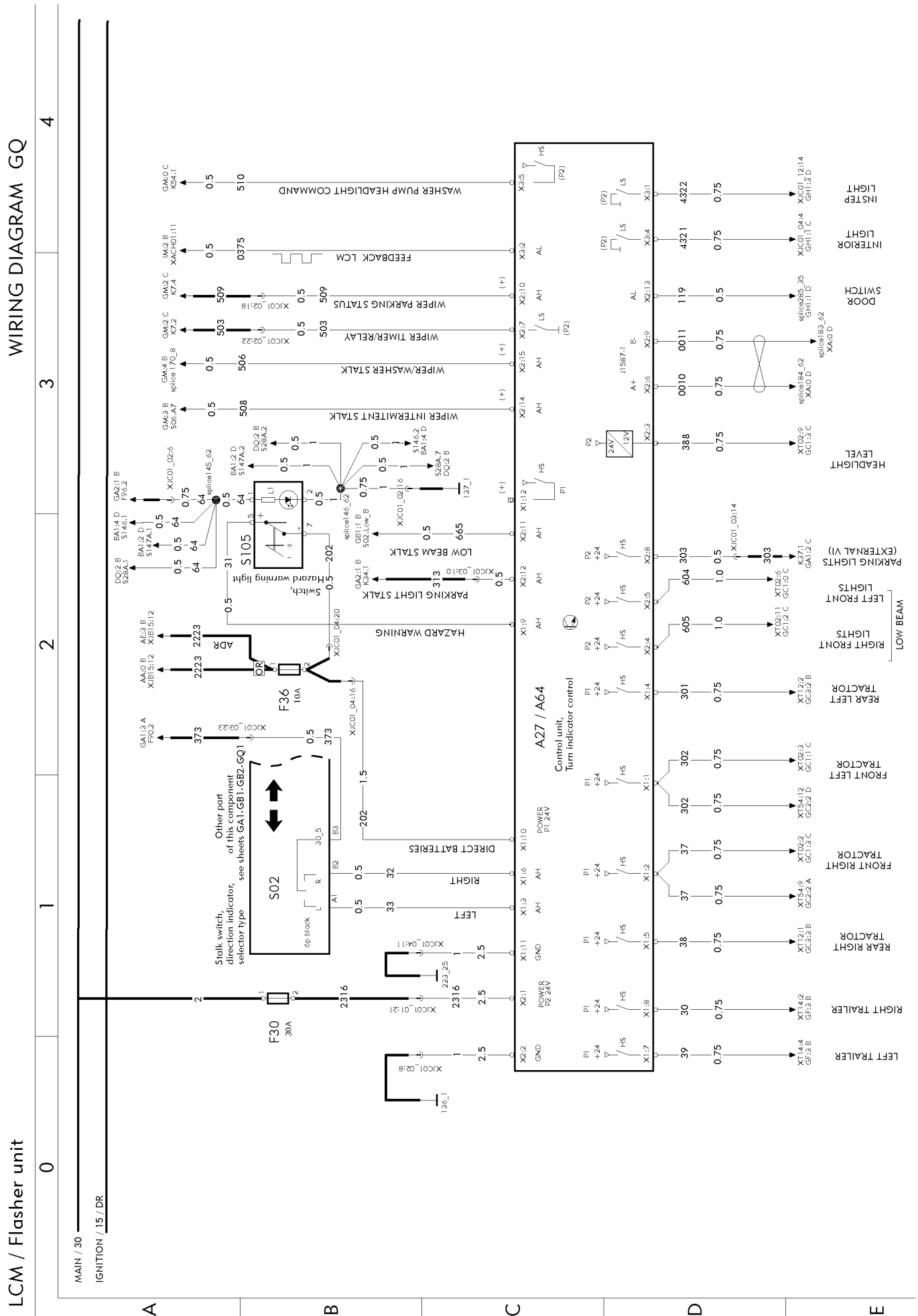


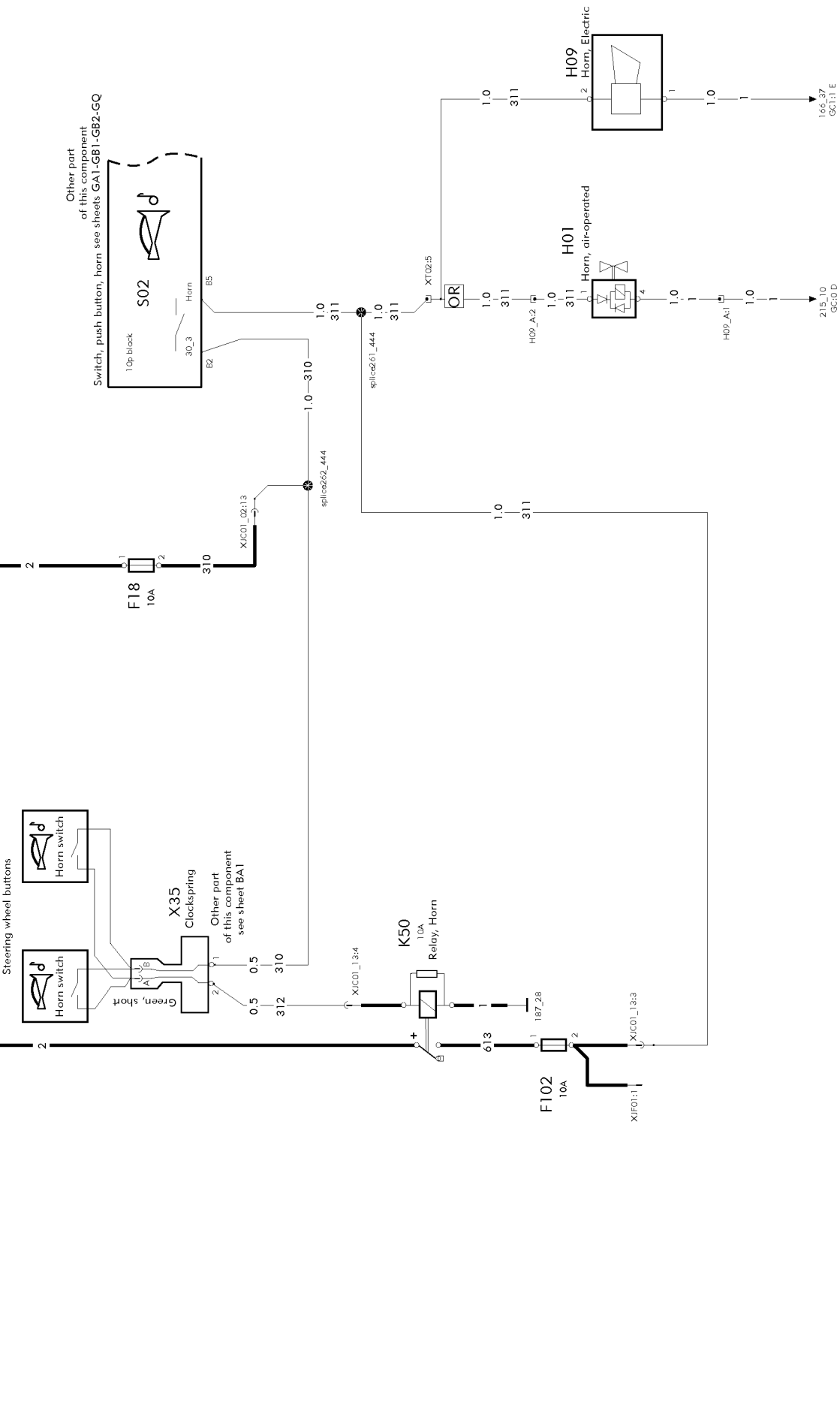
Interior lightning L4H1C

WIRING DIAGRAM GH3



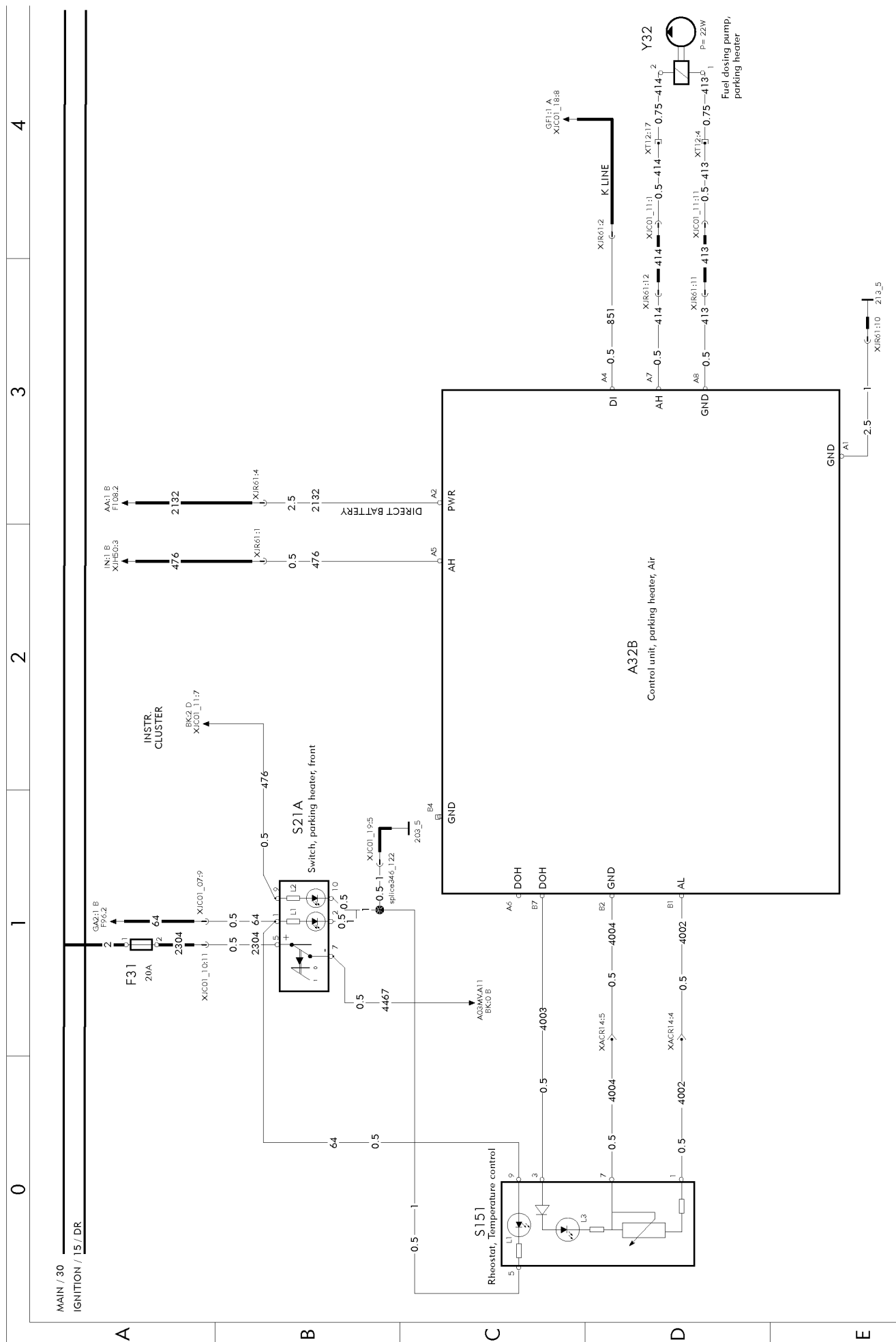






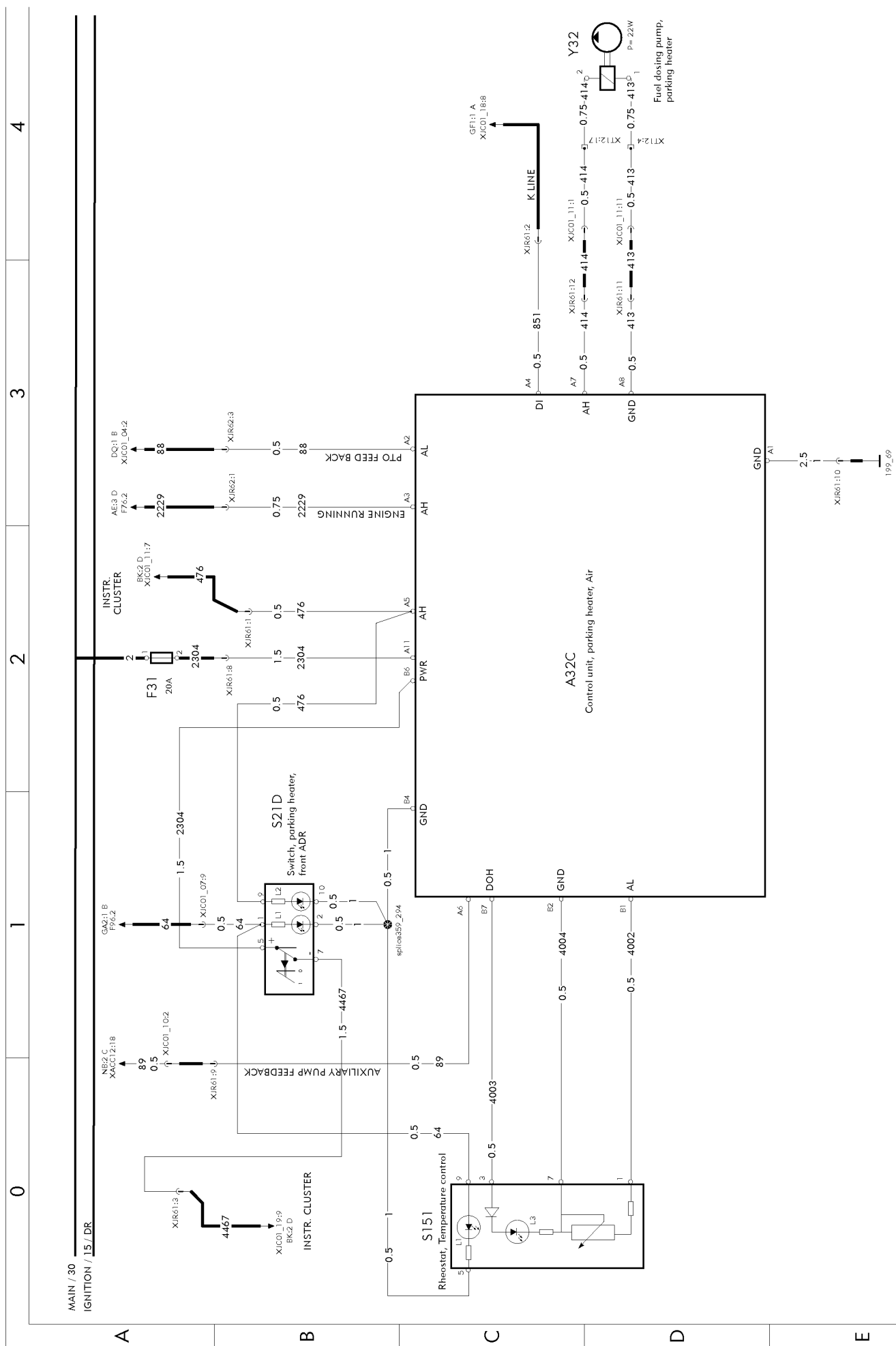
Air heater, UADR

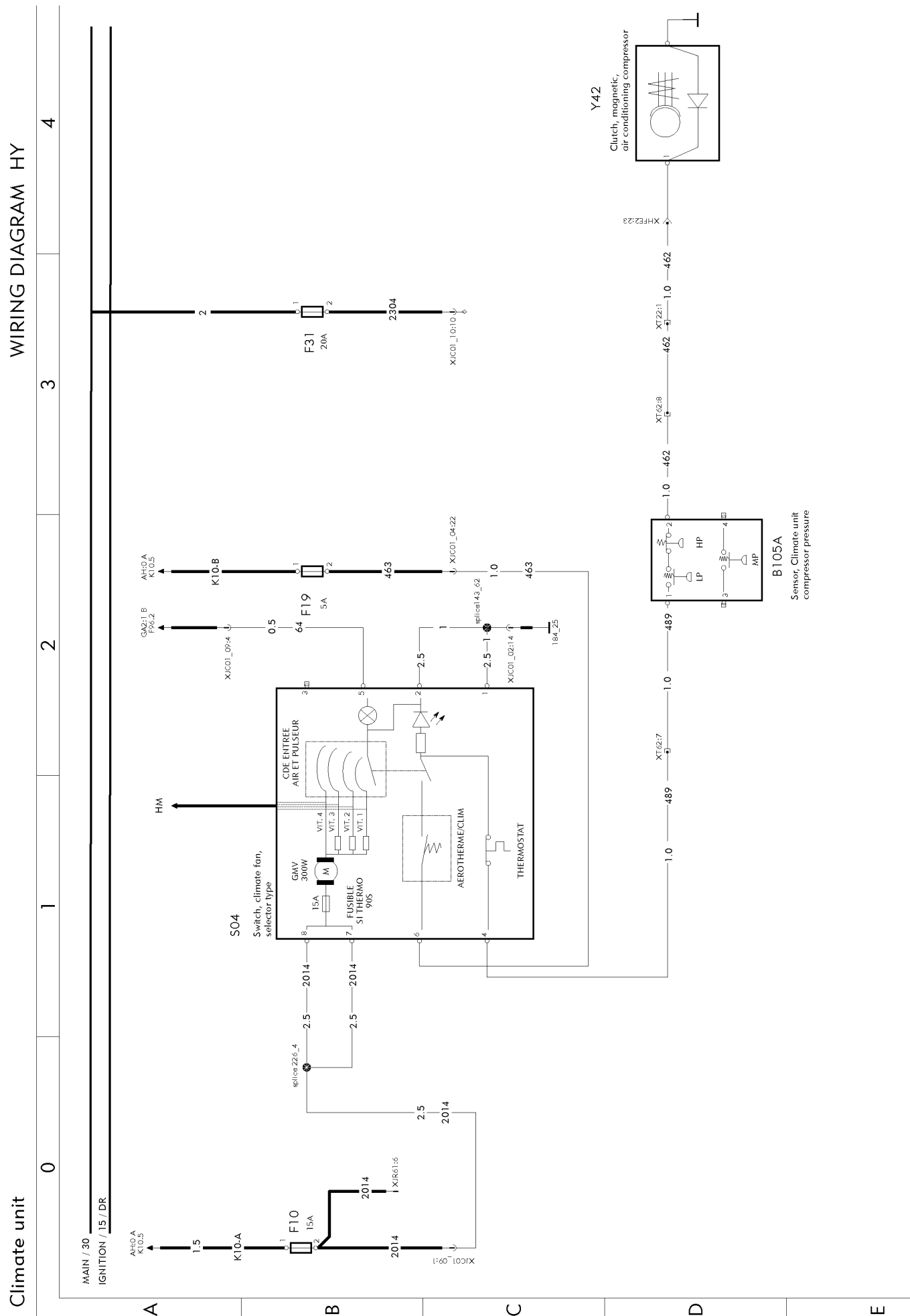
WIRING DIAGRAM HJ



5th Air heater, ADR

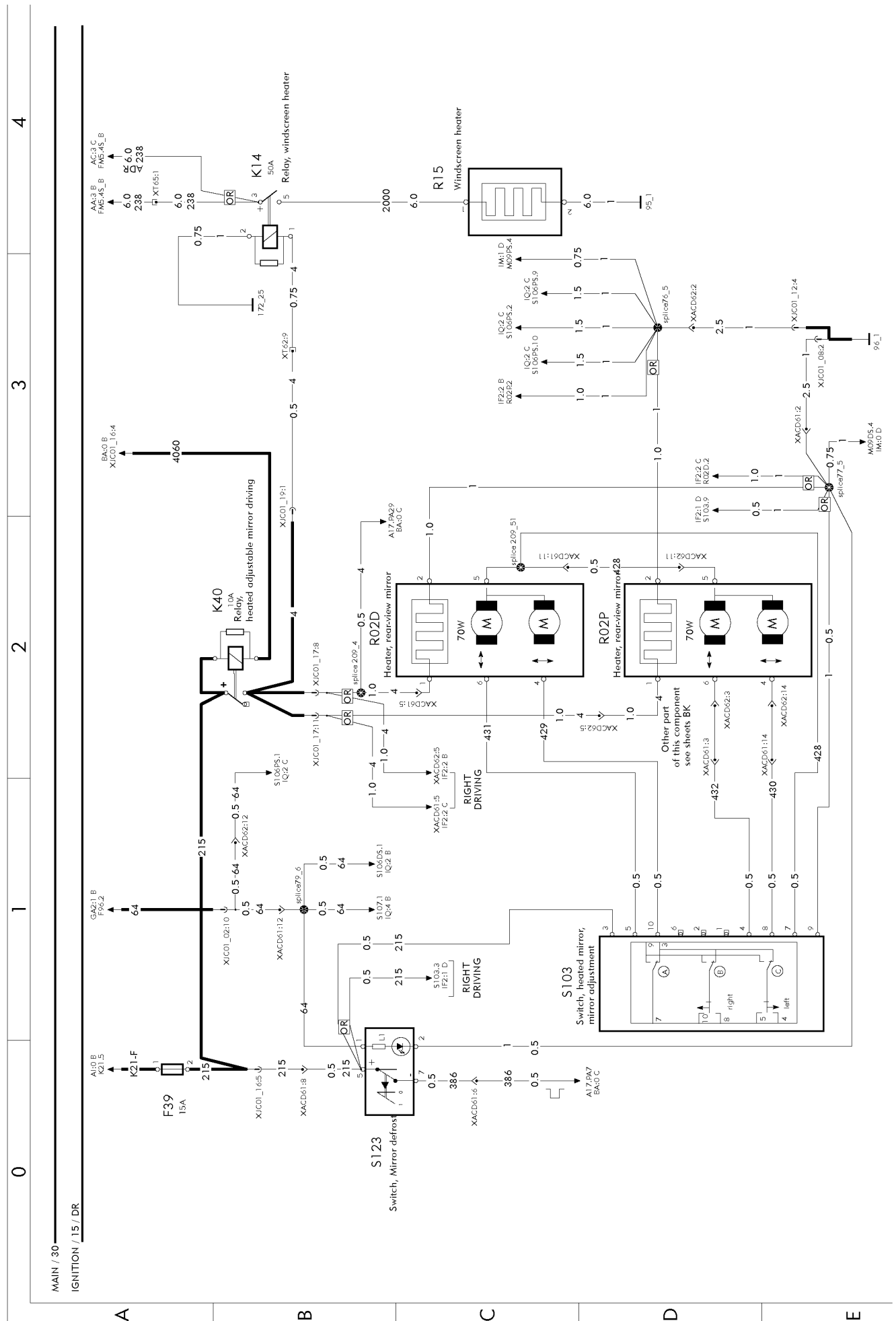
WIRING DIAGRAM HJ1

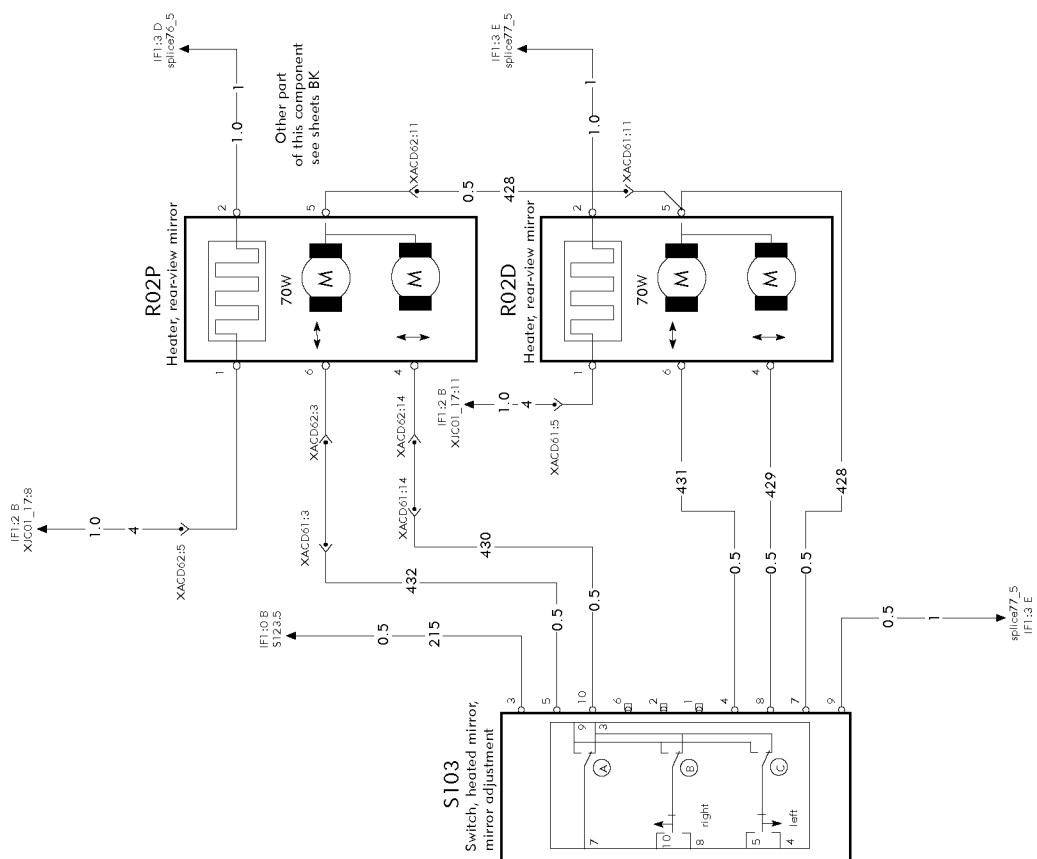






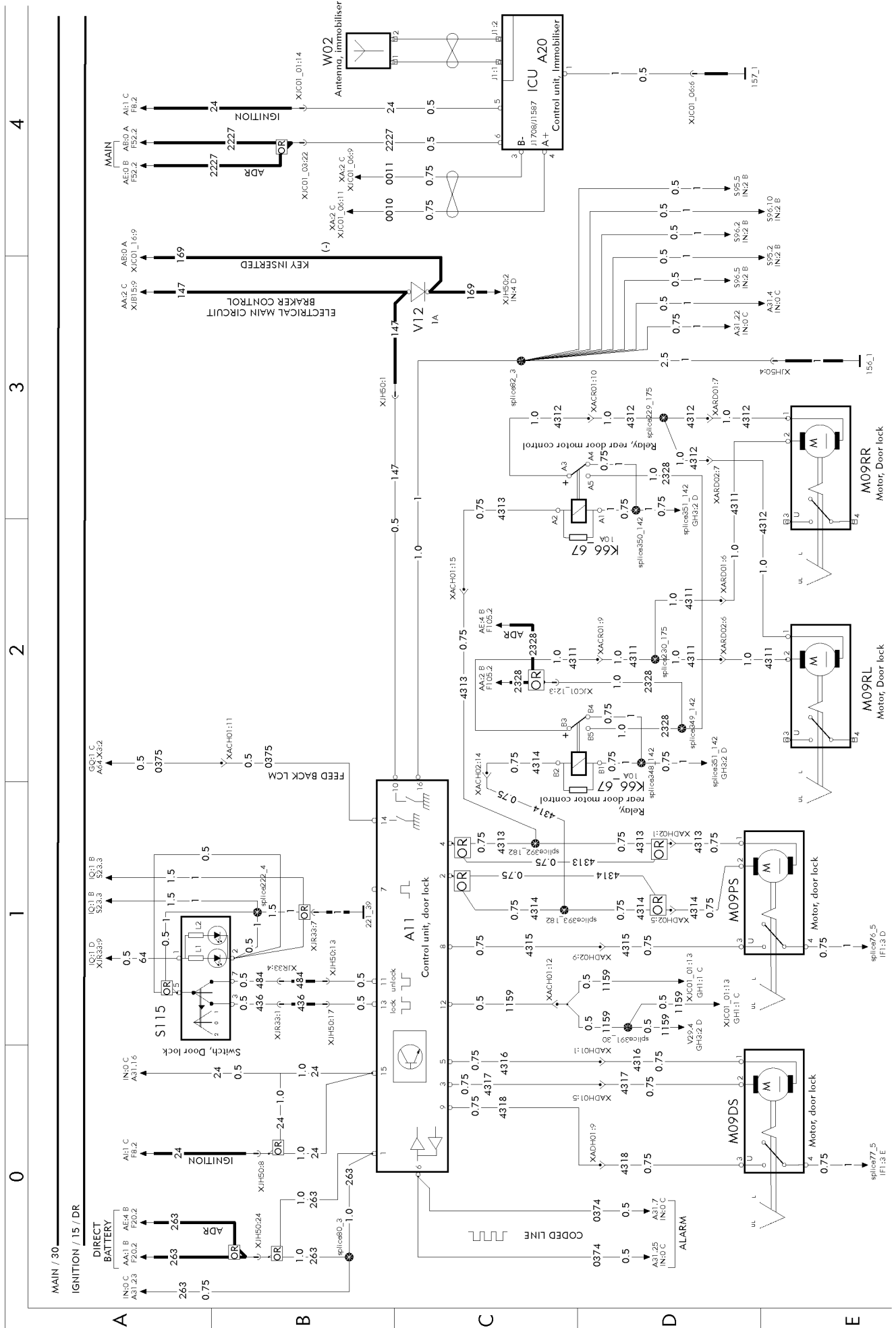
WIRING DIAGRAM IF1





Central locking, immobiliser

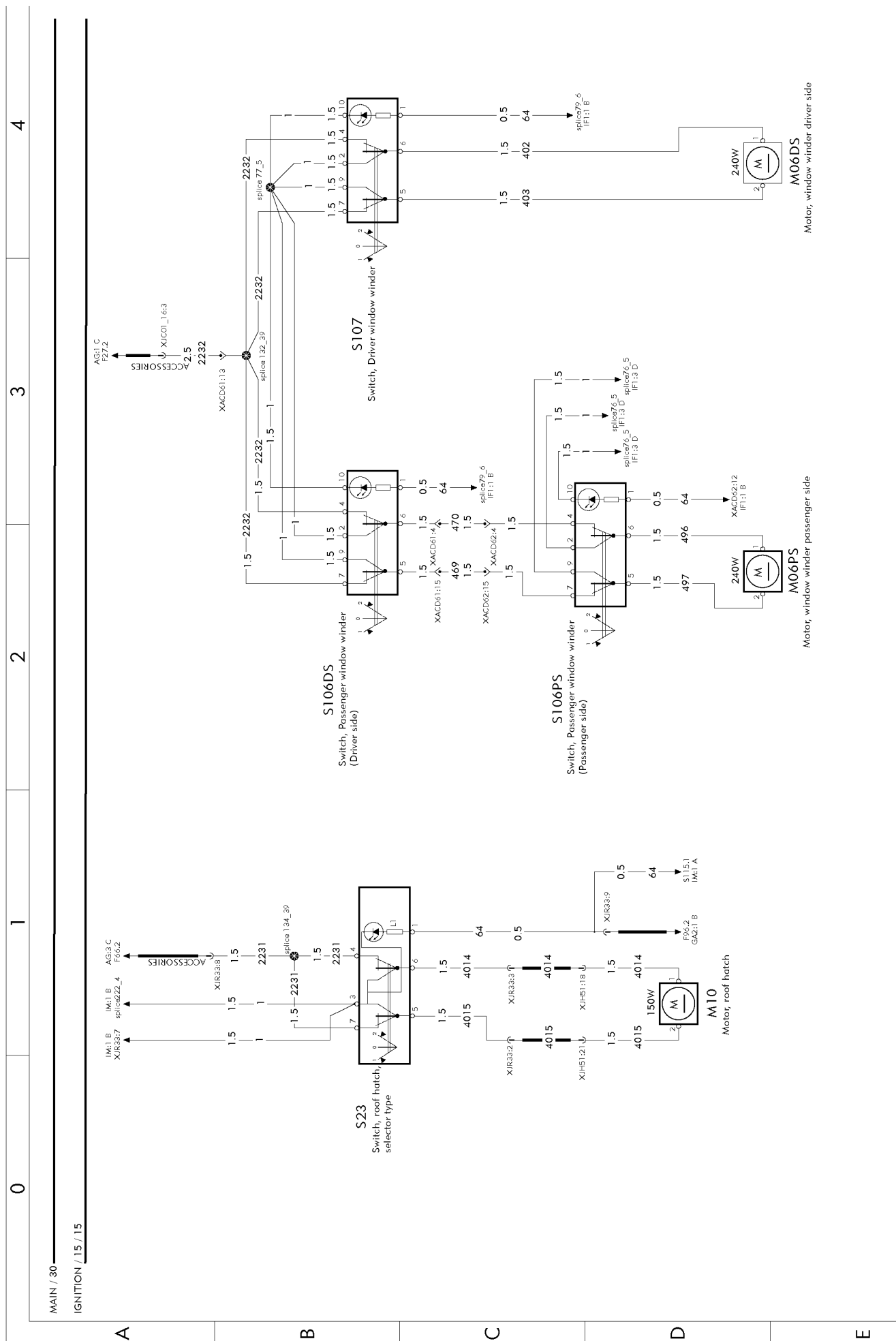
WIRING DIAGRAM IM



4

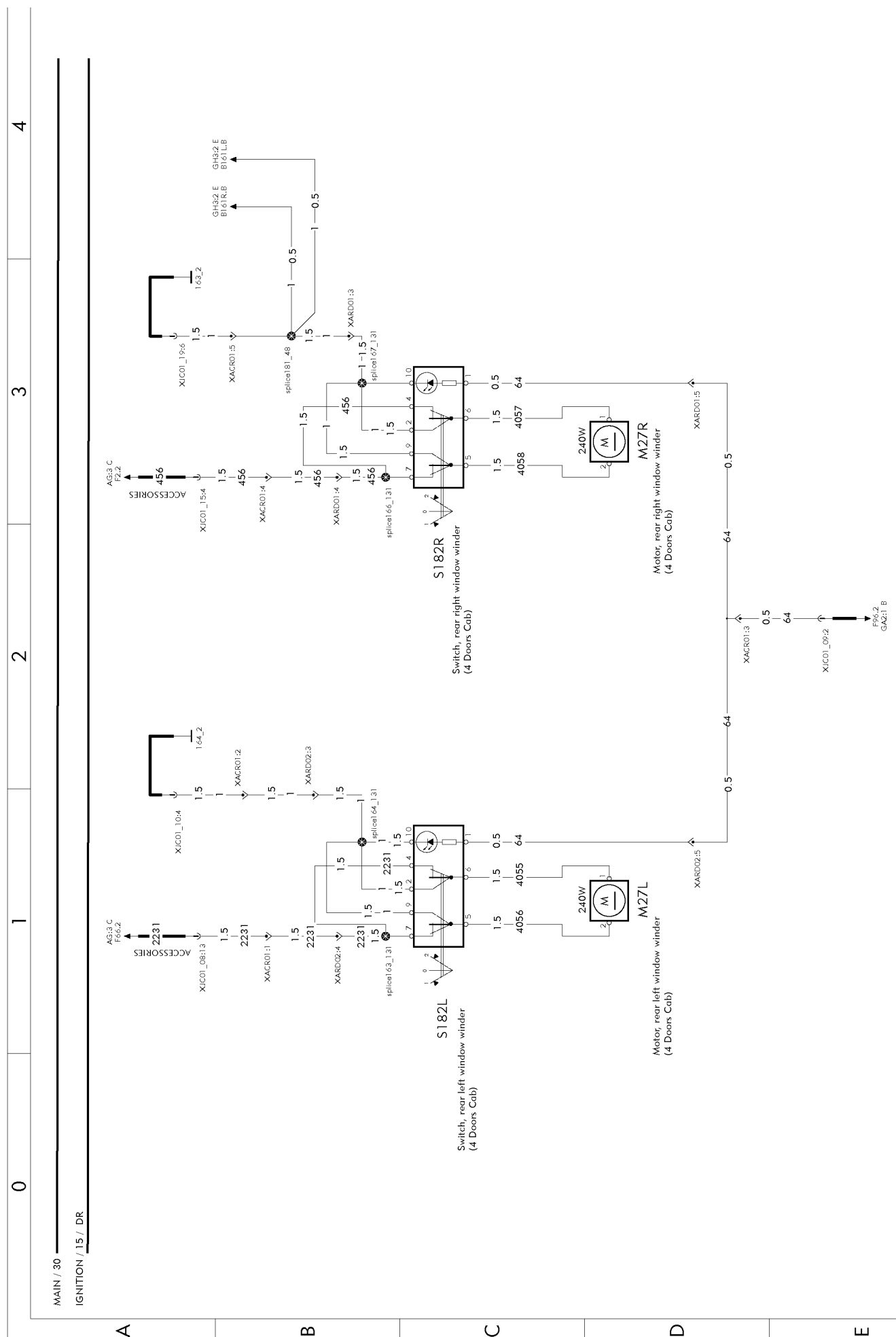






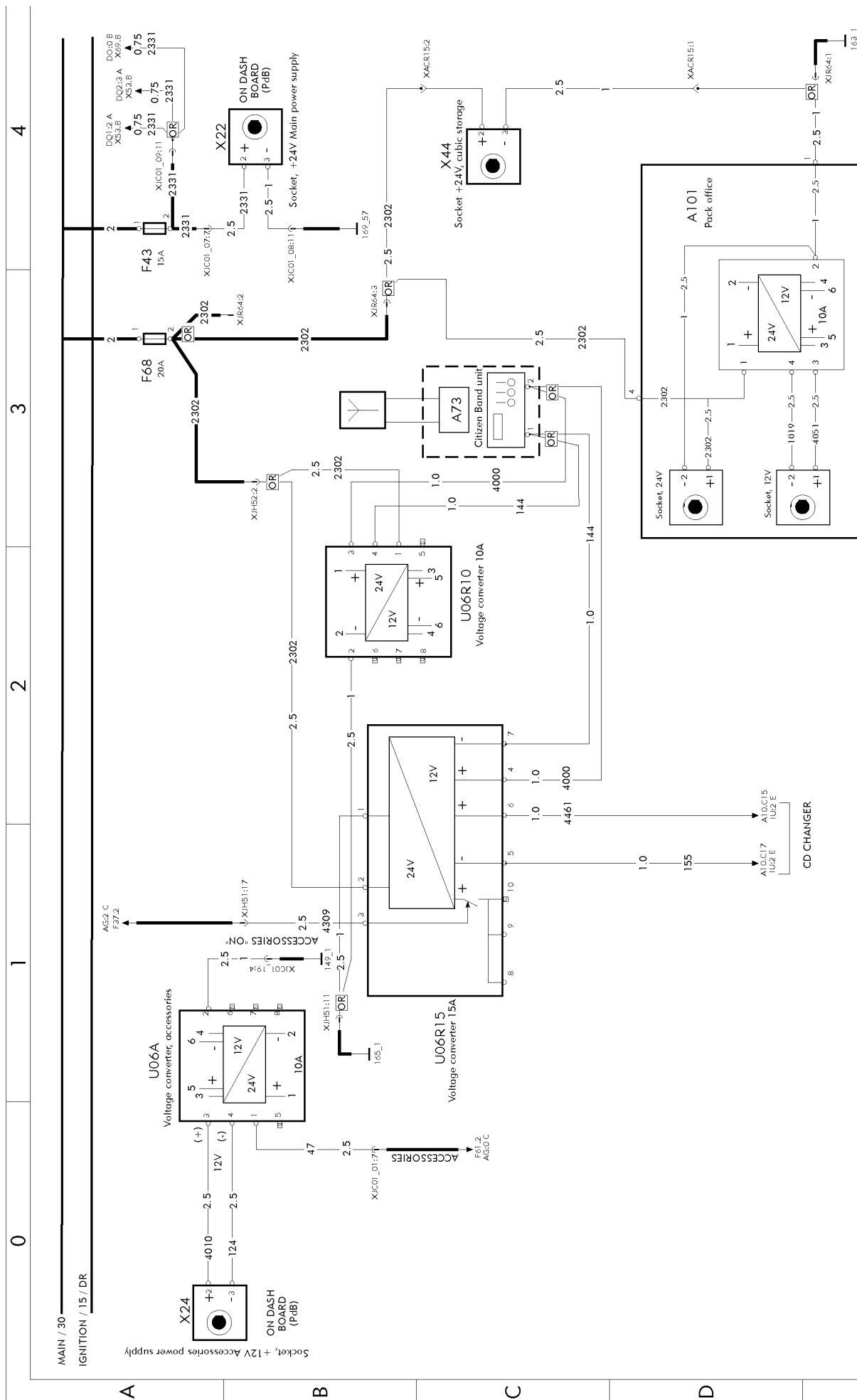
Rear window lift

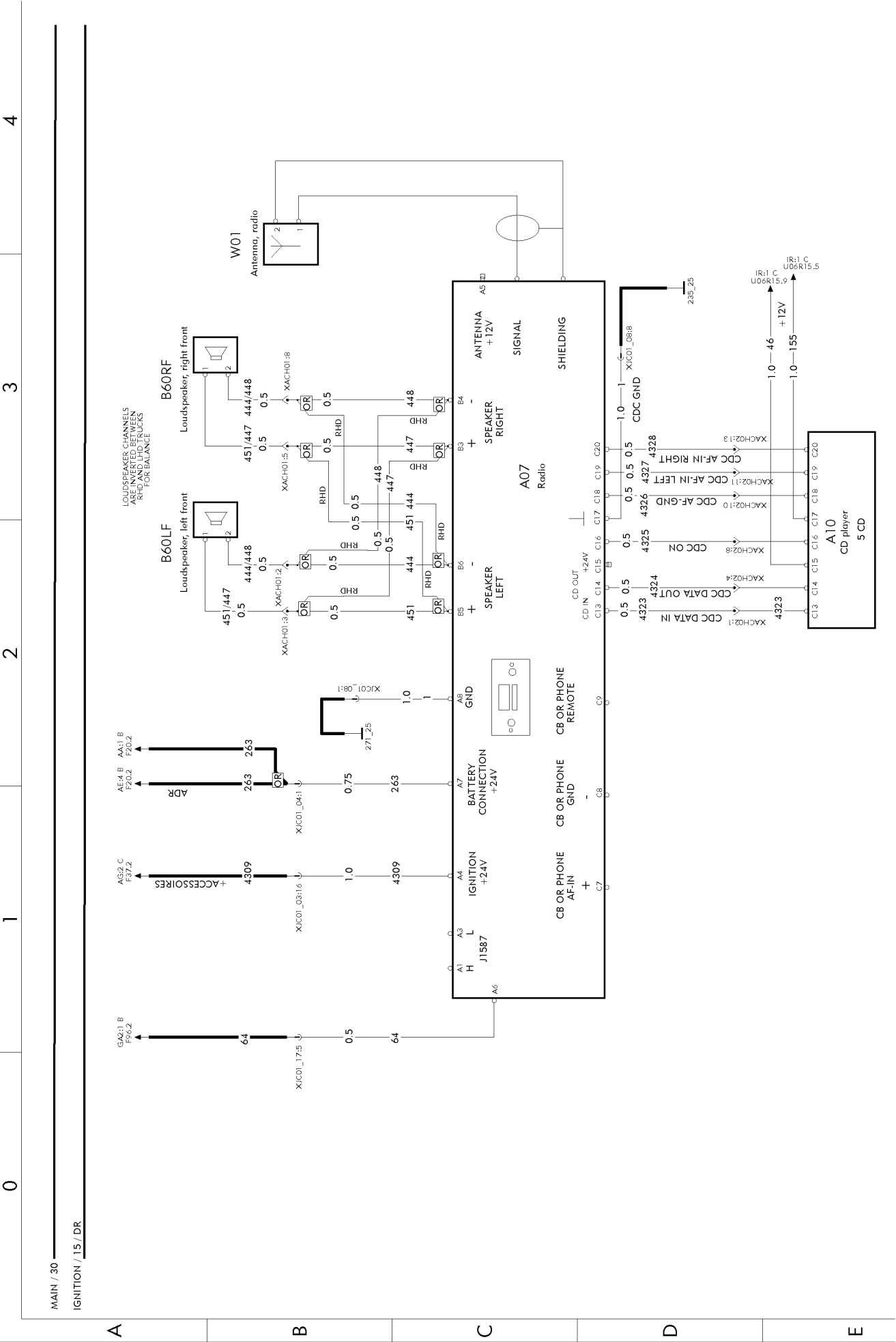
WIRING DIAGRAM IQ1



12V power supply

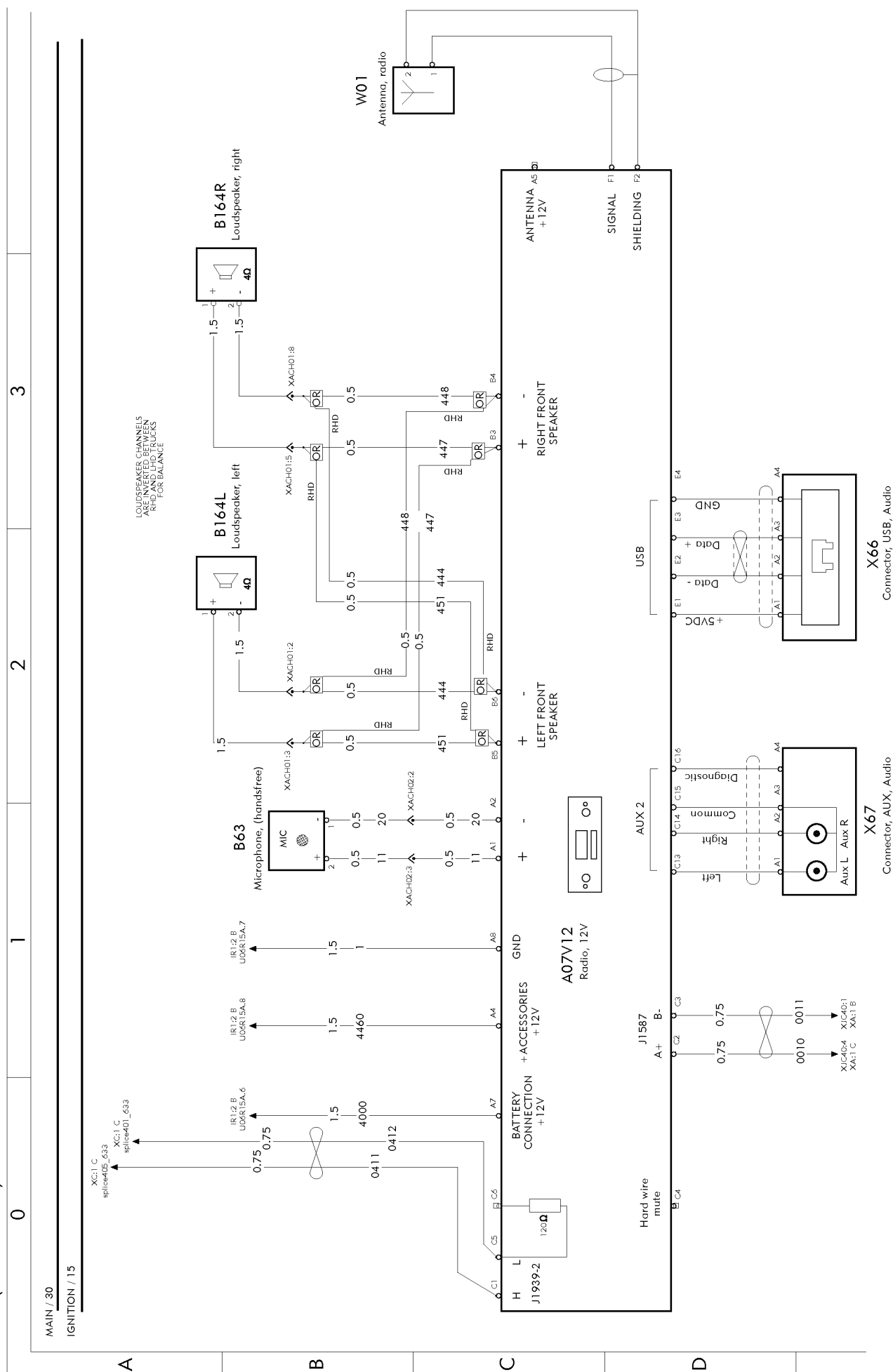
WIRING DIAGRAM IR

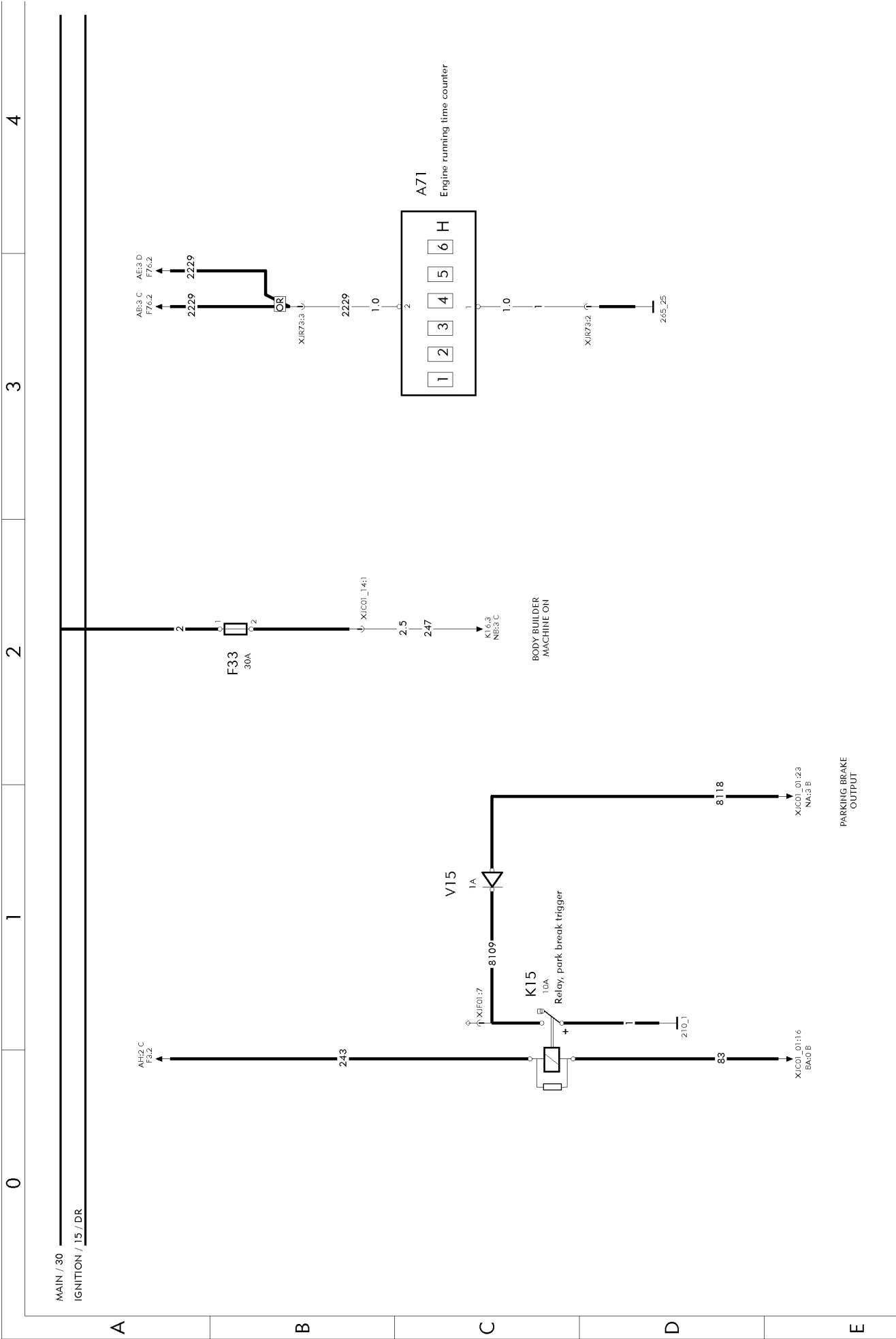




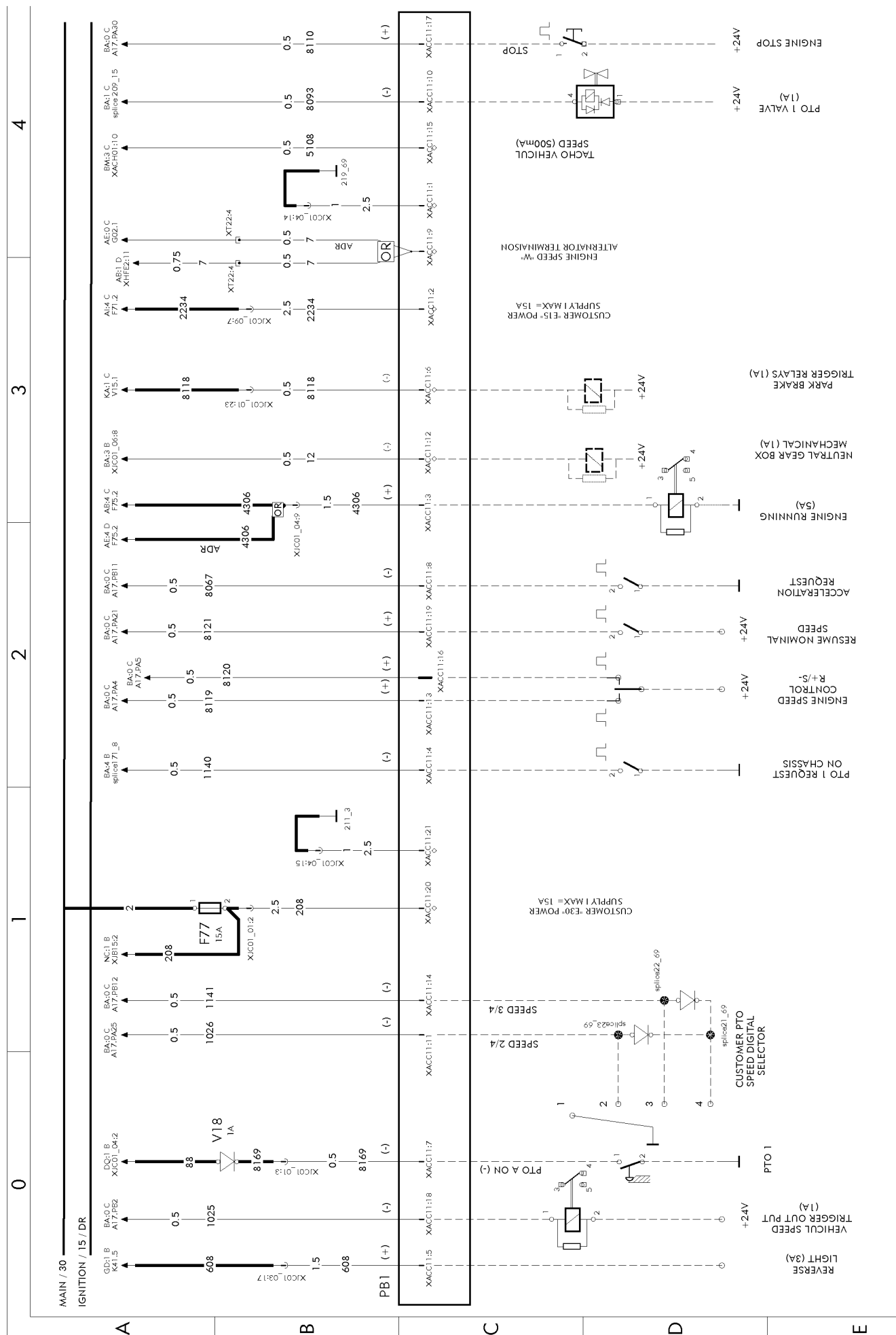
WIRING DIAGRAM IU1

Radio (after w837)





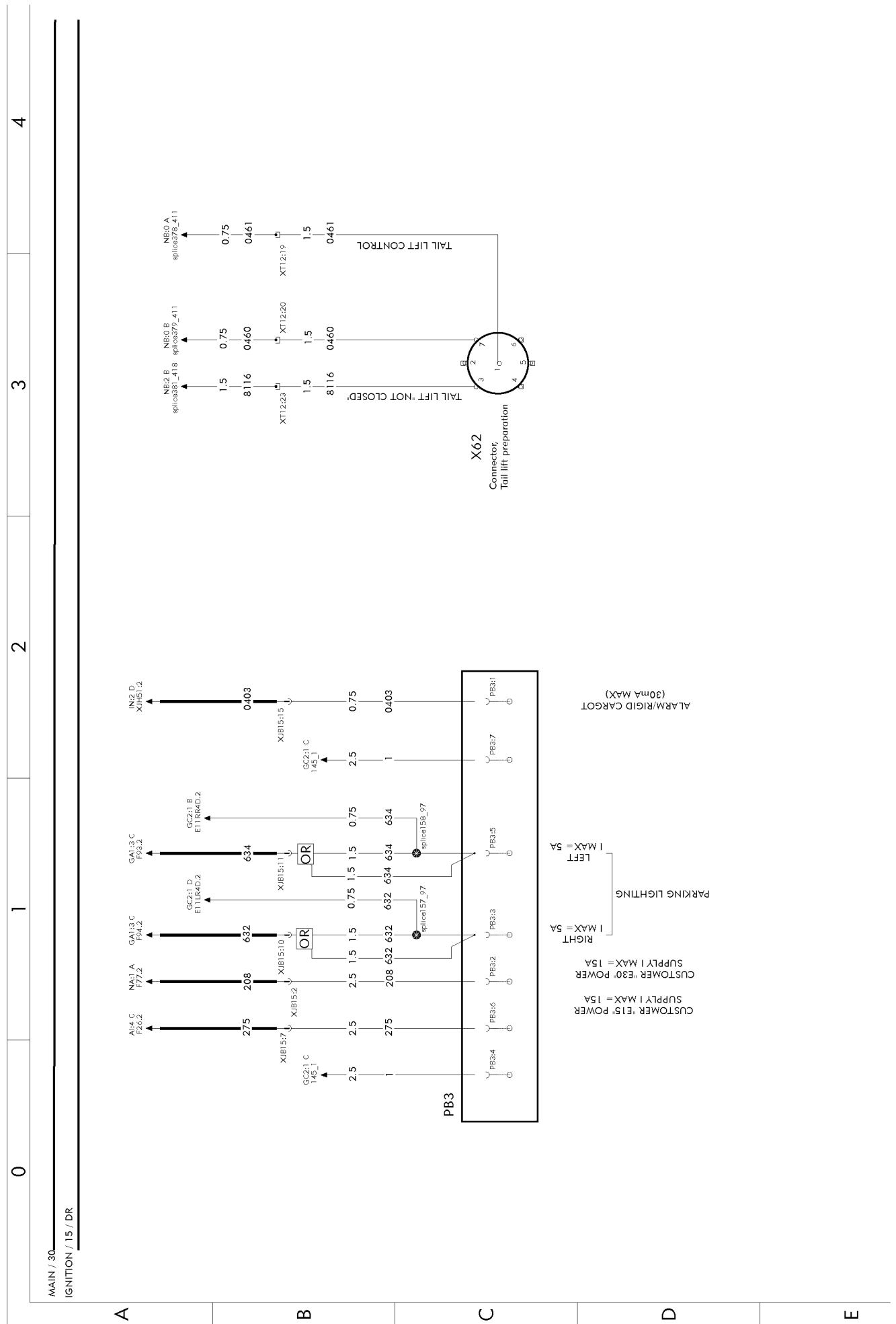
WIRING DIAGRAM NA



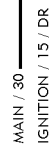
WIRING DIAGRAM NB



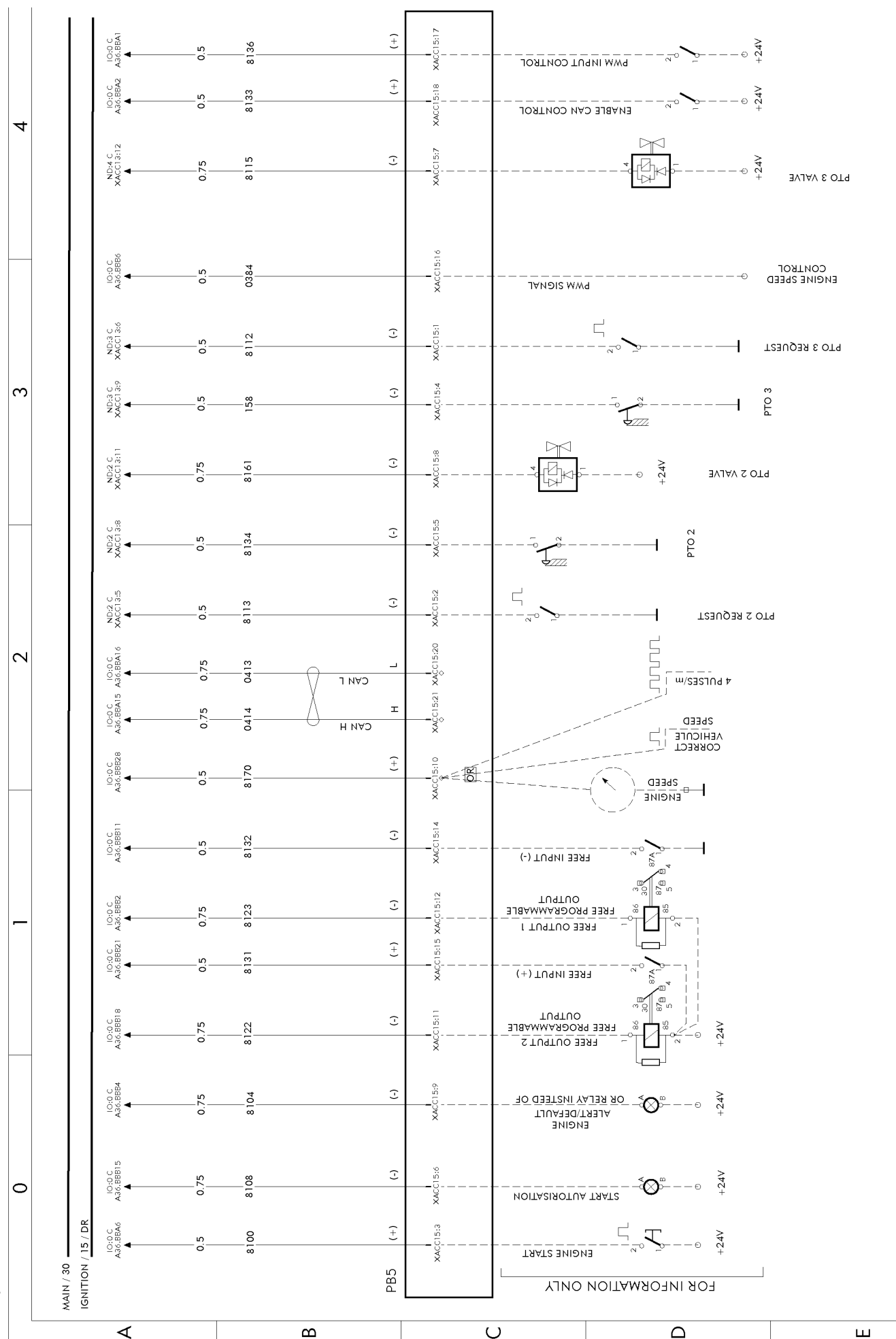
WIRING DIAGRAM NC



72 Body builder connector PB4



WIRING DIAGRAM NE

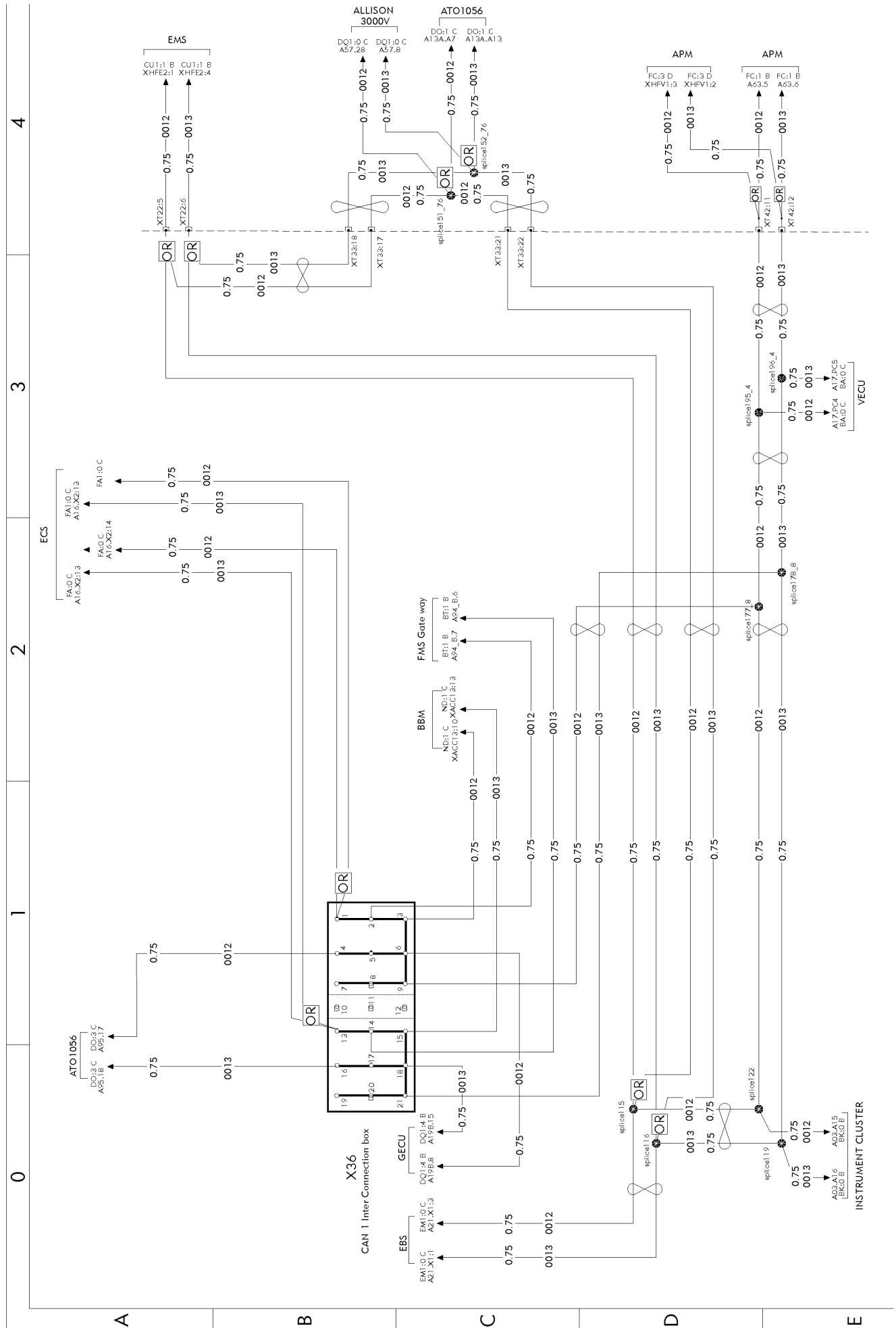


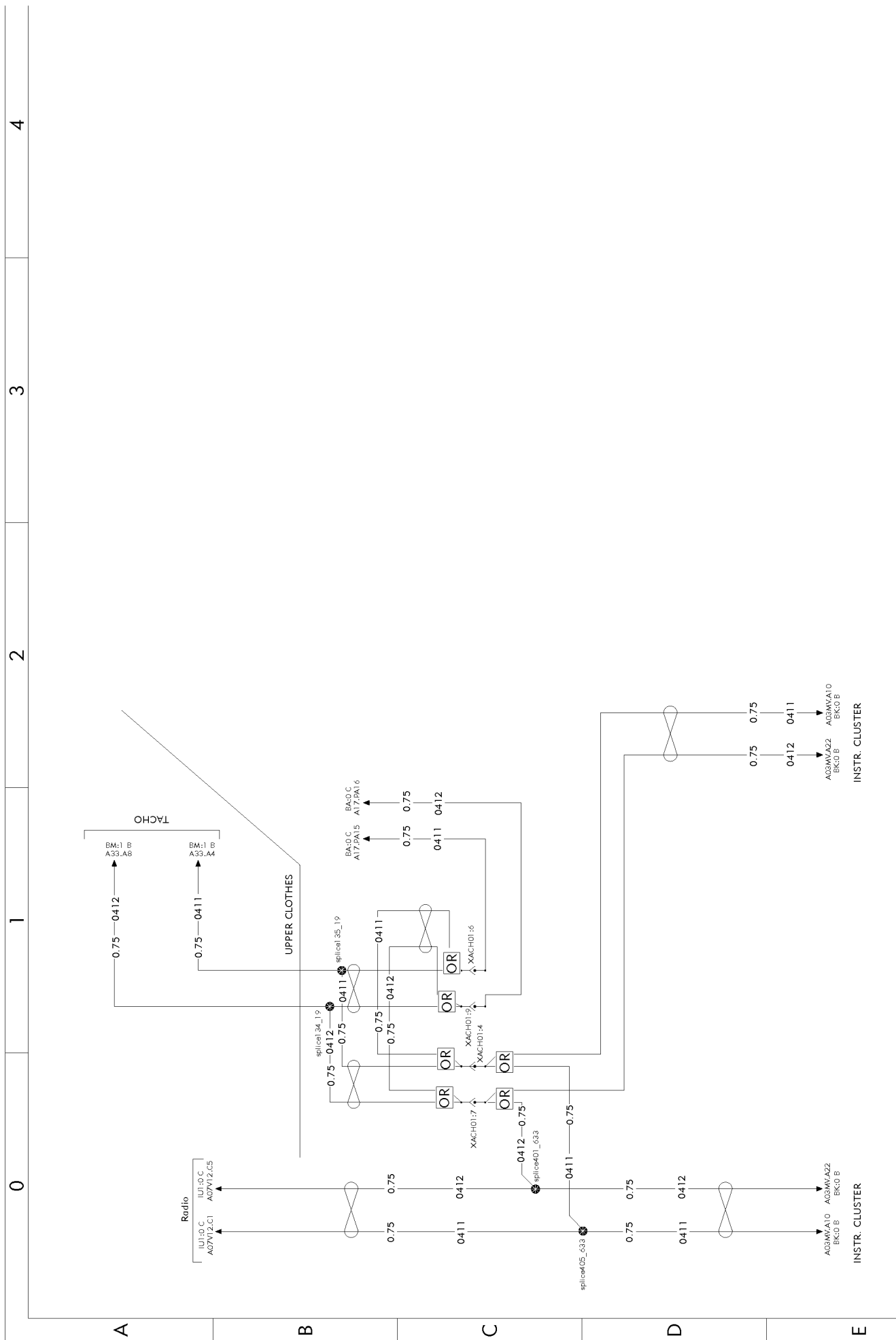
74 Bus J1708/1587



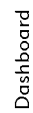
Bus J1939-I

WIRING DIAGRAM XB





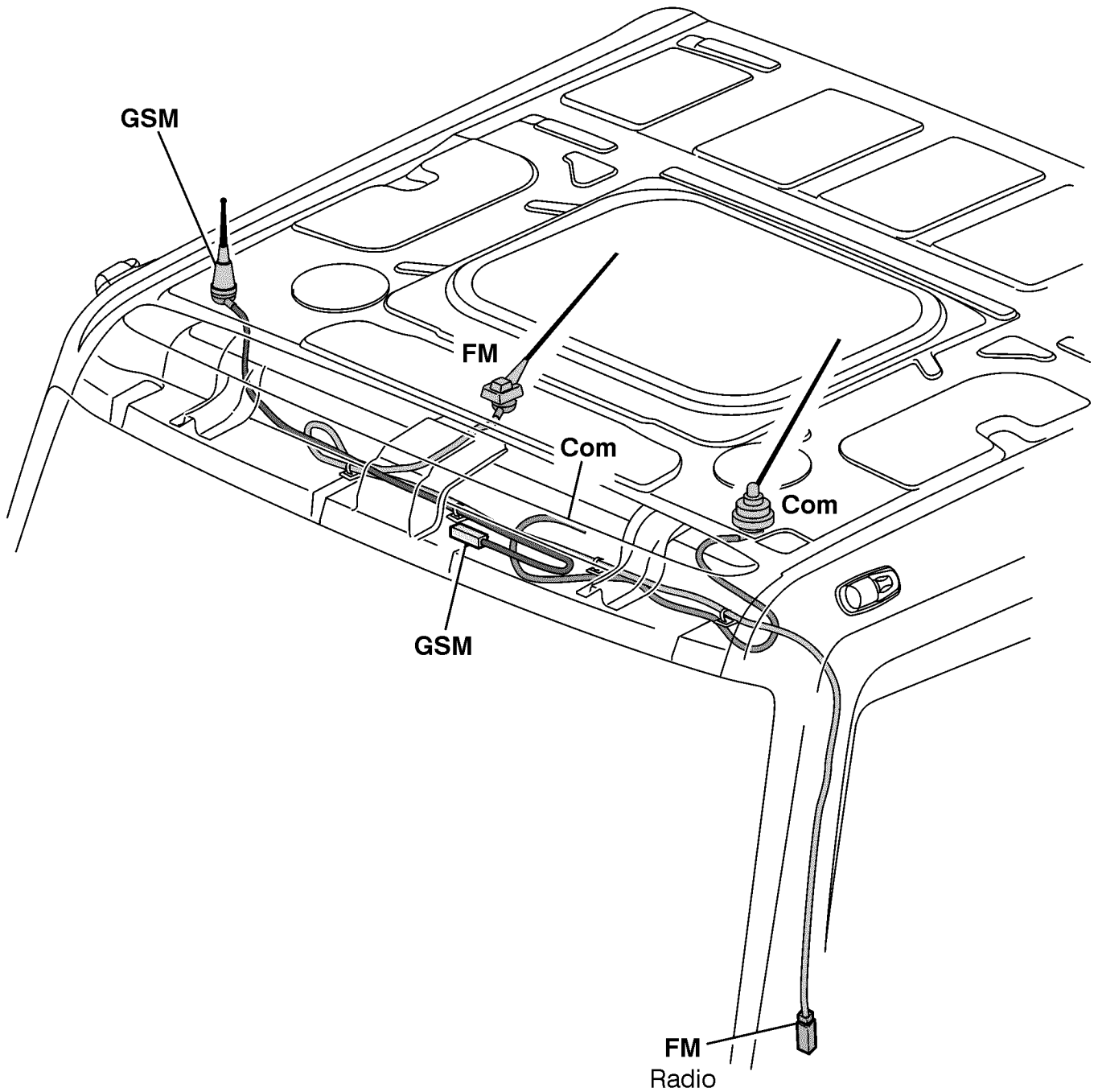
4



Illustrations index

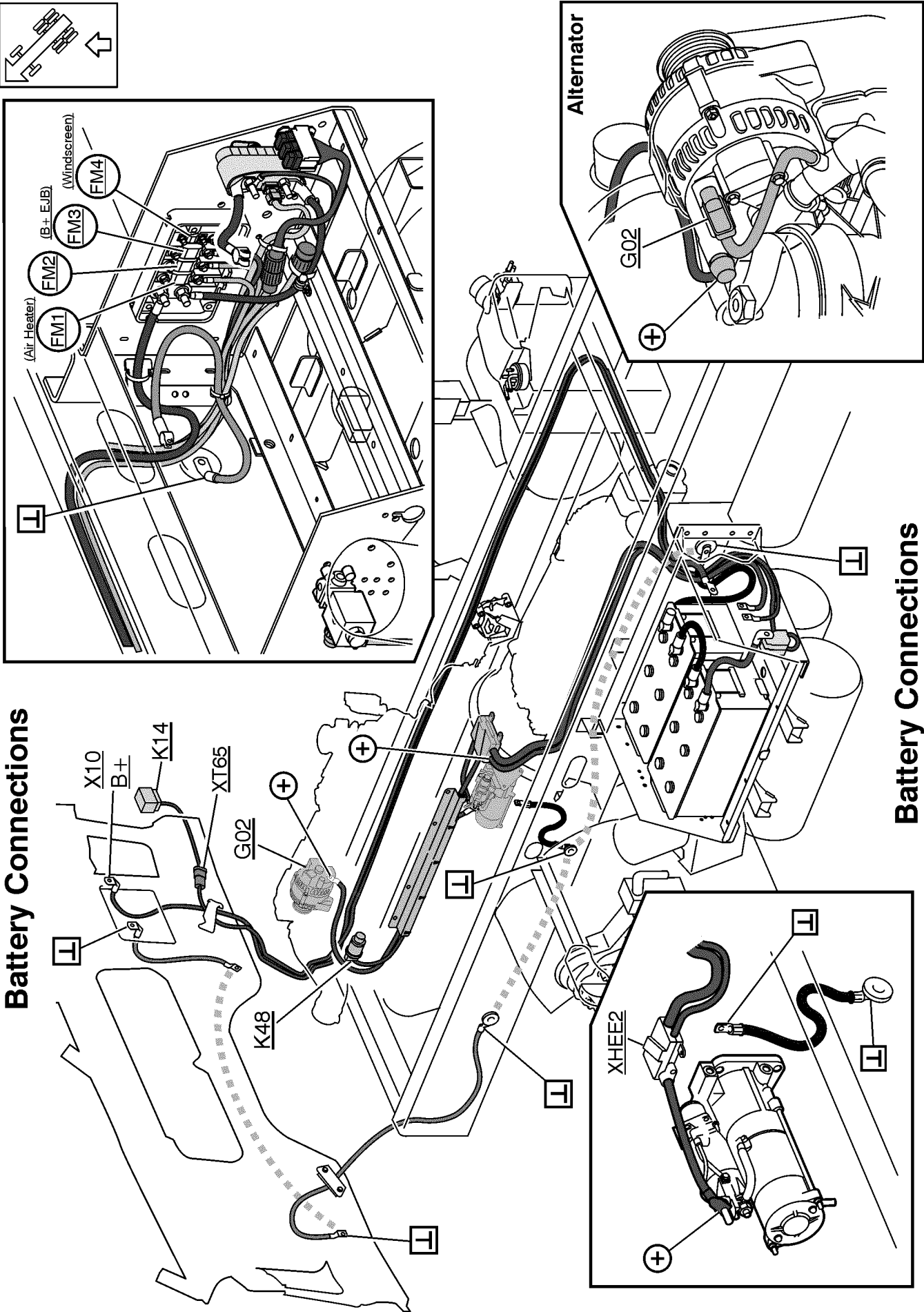
-	Antenna	page 79
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-	Cab inlets	page 82
-	ECU in cab	page 83
-	Electrical junction box	page 84
-	Switches	page 86
1000	Wiring harness, instruments	page 88
1006	Wiring harness, roof	page 93
1007	Wiring harness, floor	page 97
1030	Wiring harness, engine	page 101
1040	Wiring harness, frame	page 102
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1083	Wiring harness, door	page 115
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1494	Wiring harness, gearbox	page 119
1499	Wiring harness, cab-gearbox	page 119
1501	Wiring harness, upper front	page 122

Illustrations



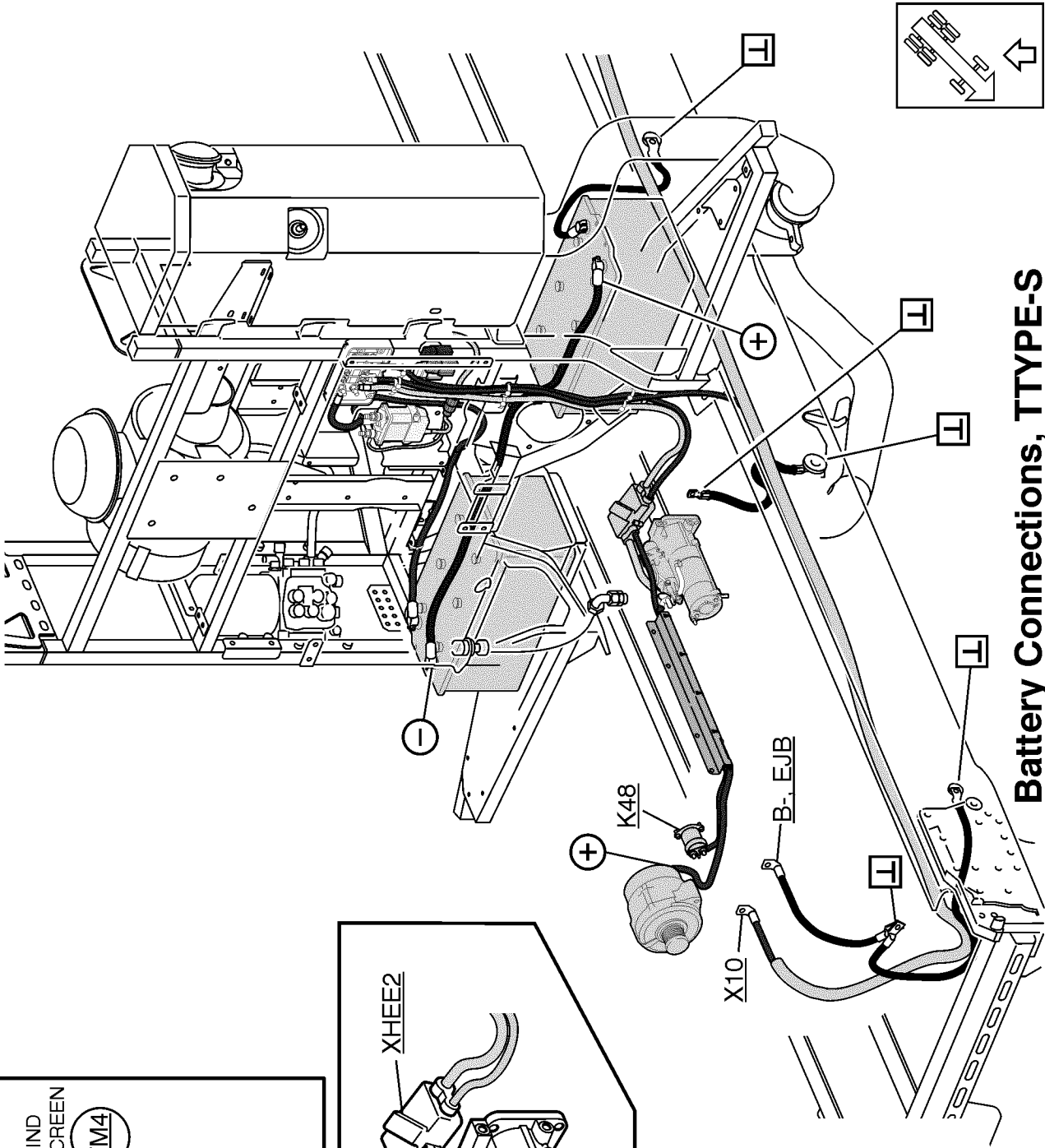
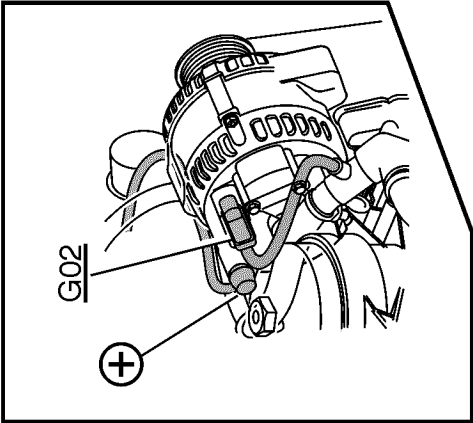
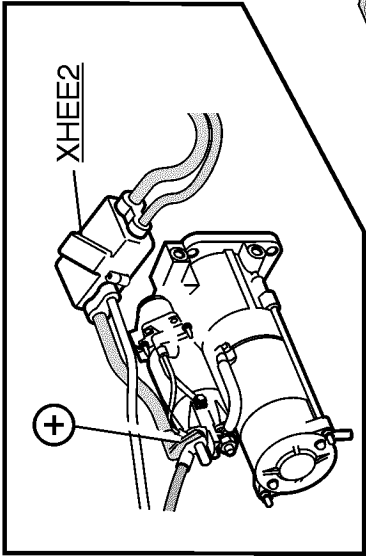
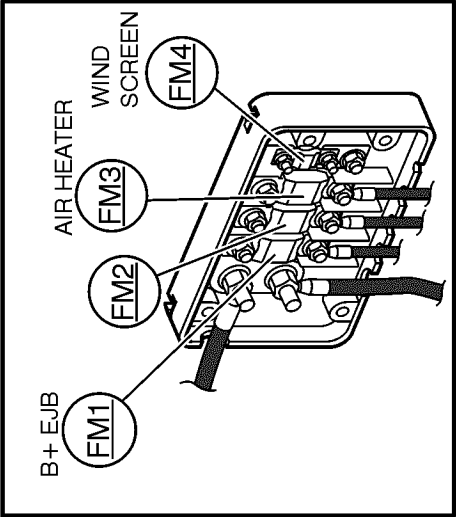
T3019460

Battery Connections



Battery Connections

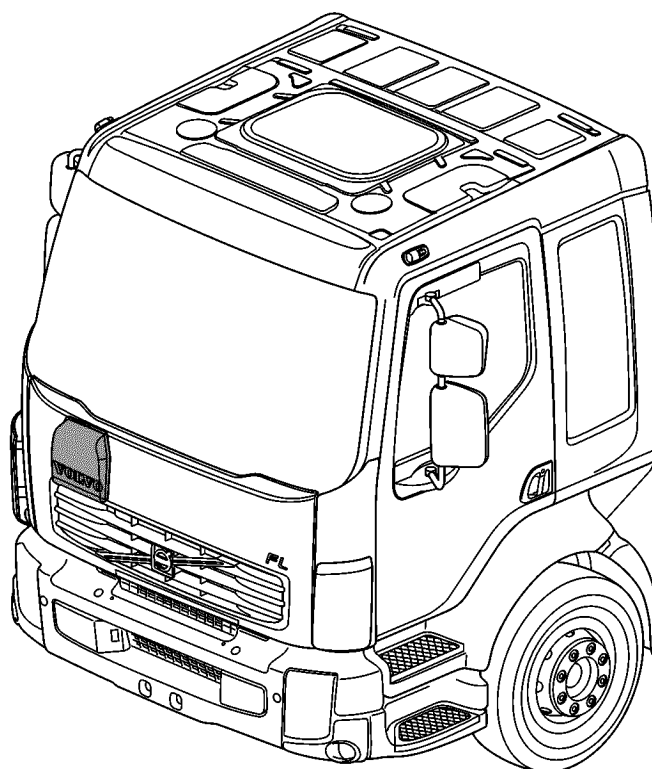
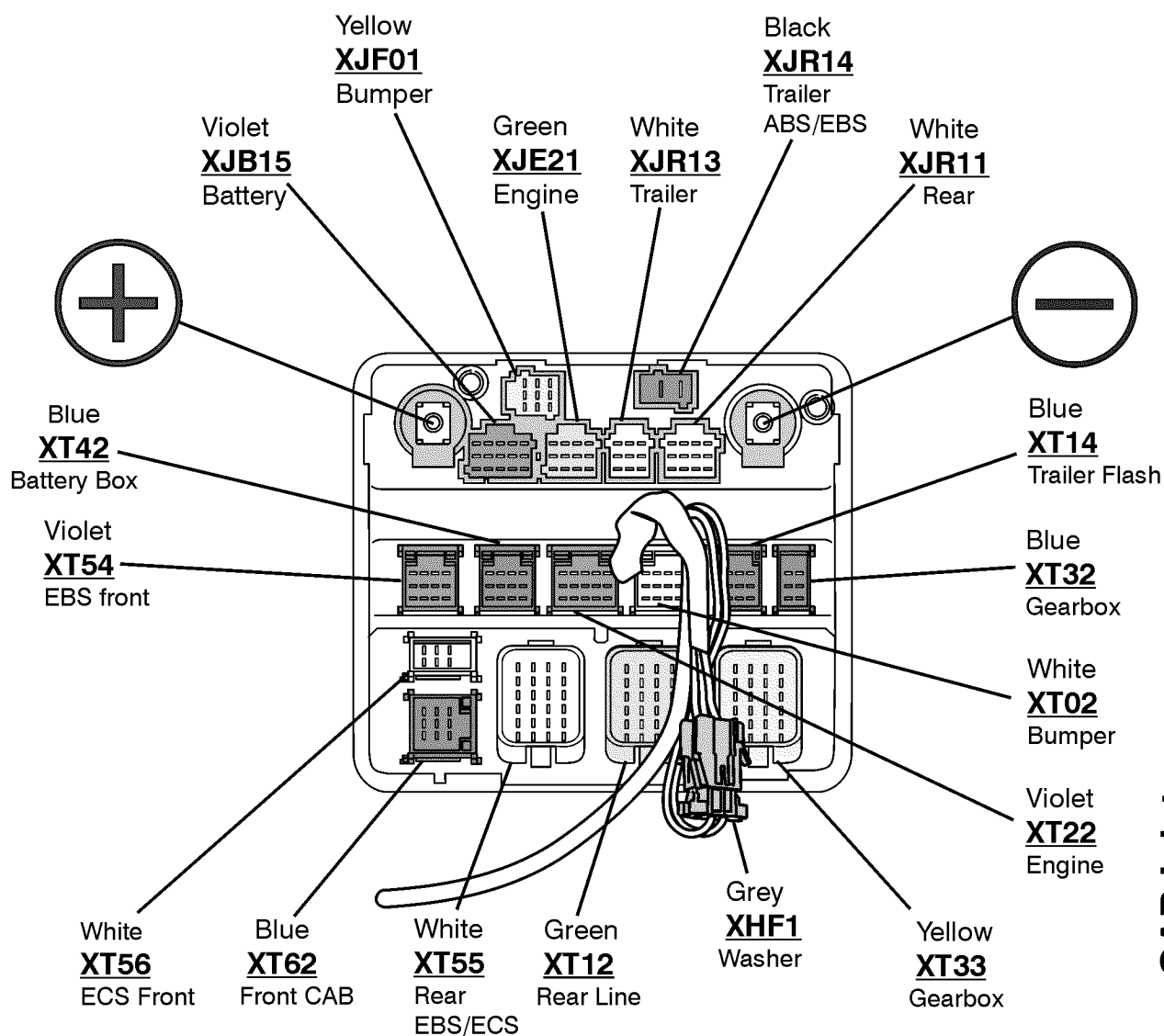
Battery Connections, TTYPE-S

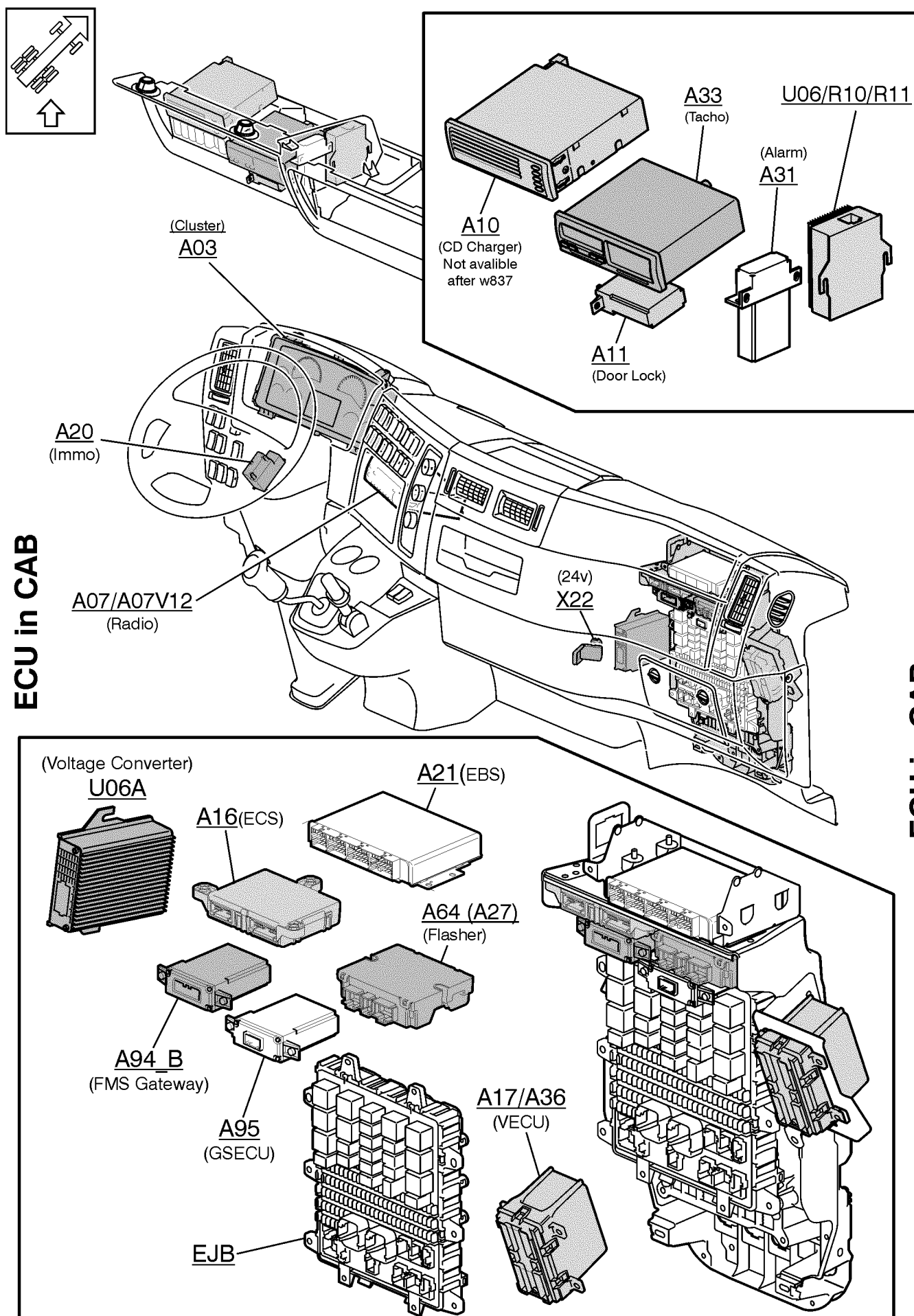


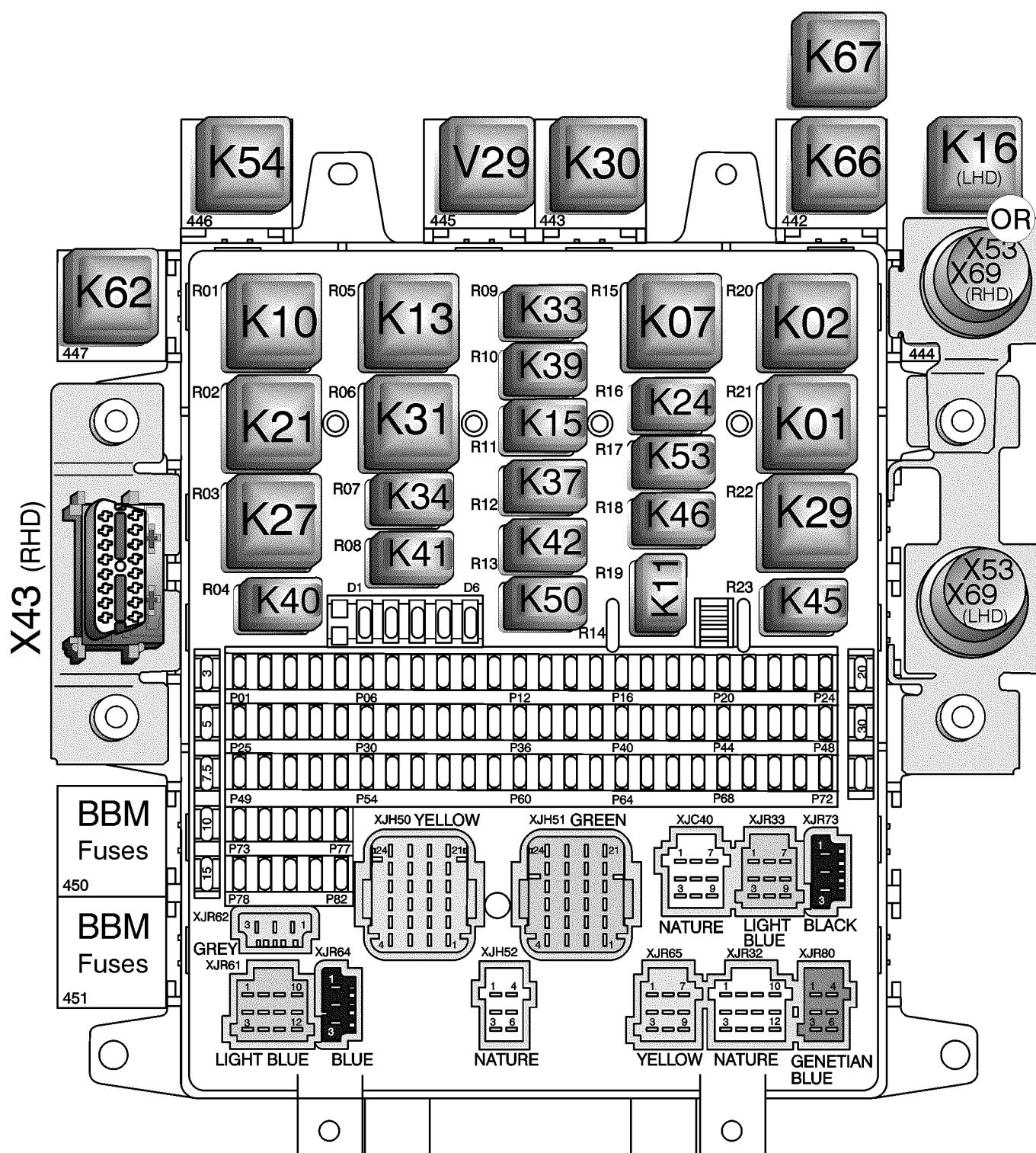
Battery Connections, TTYPE-S

CAB Inlets

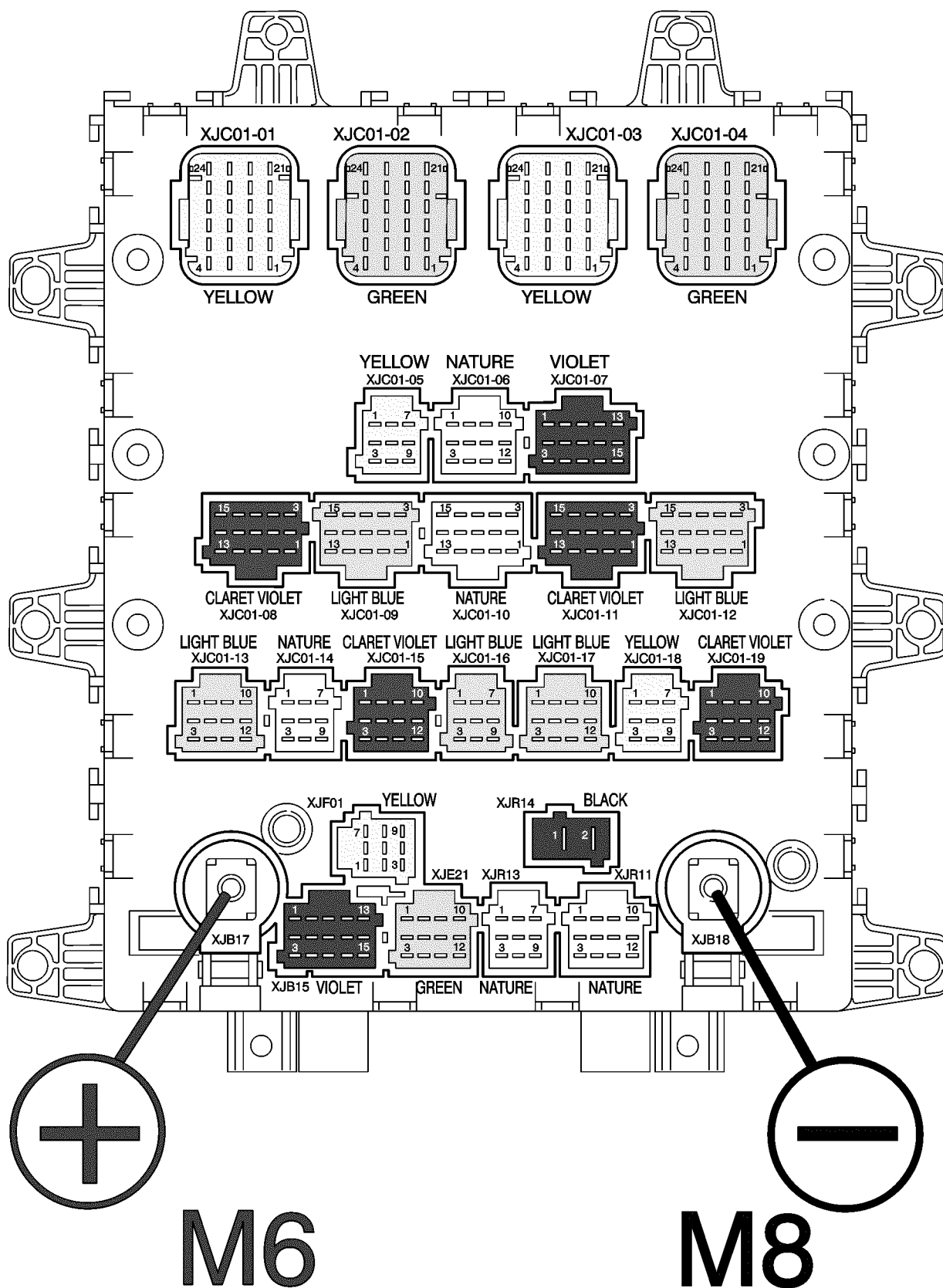
CAB Inlets







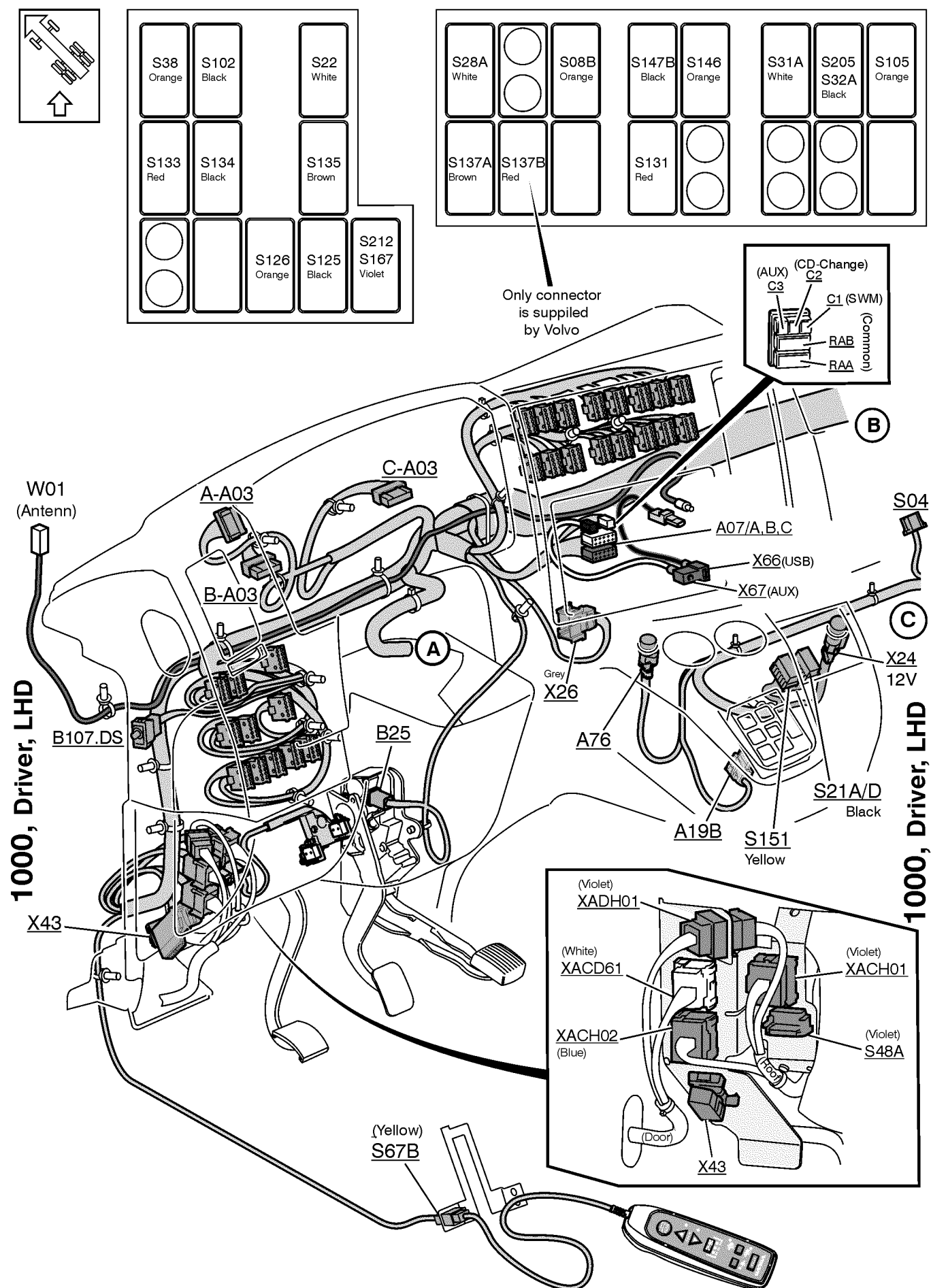
T3021087

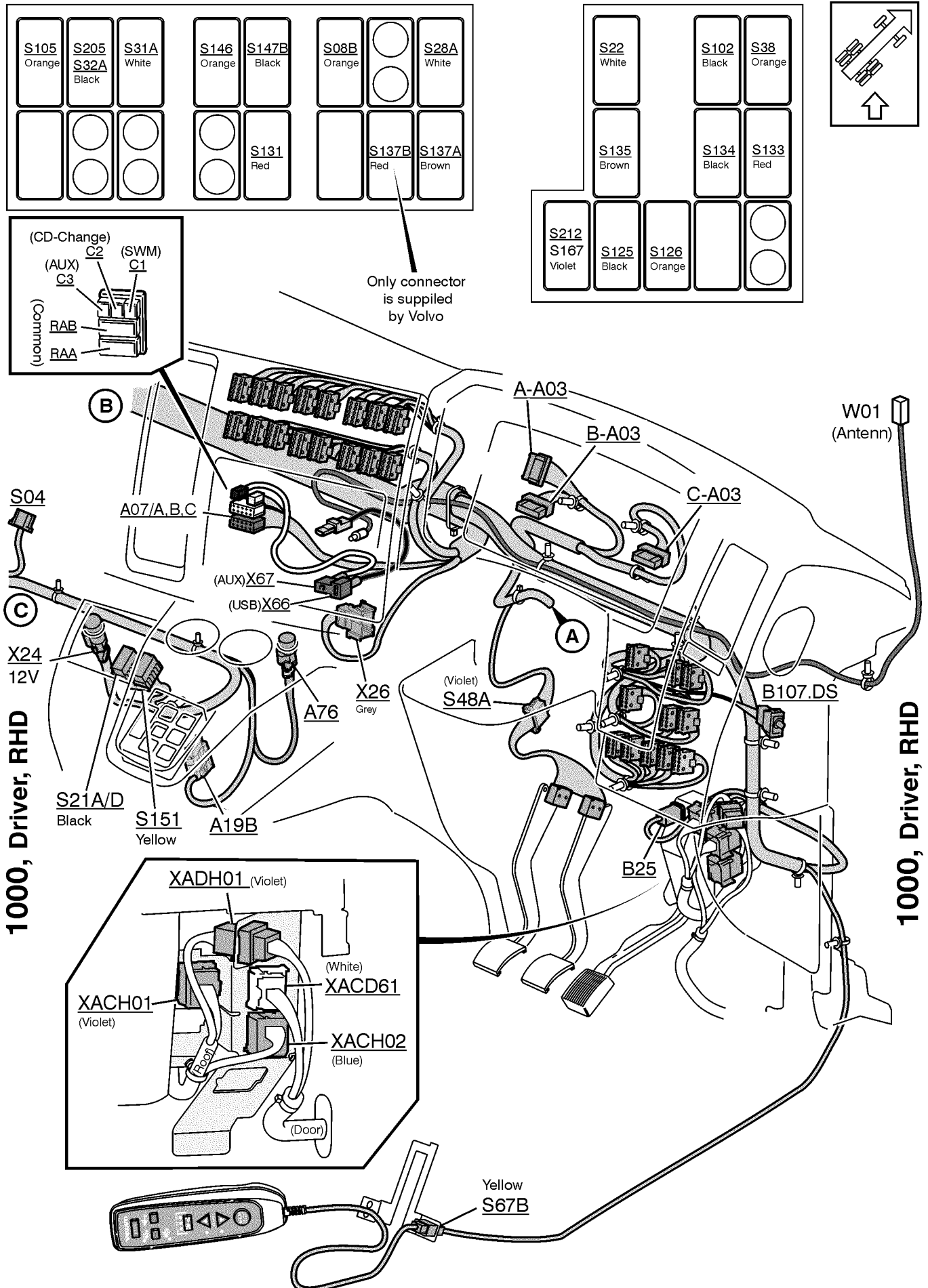


T3018052



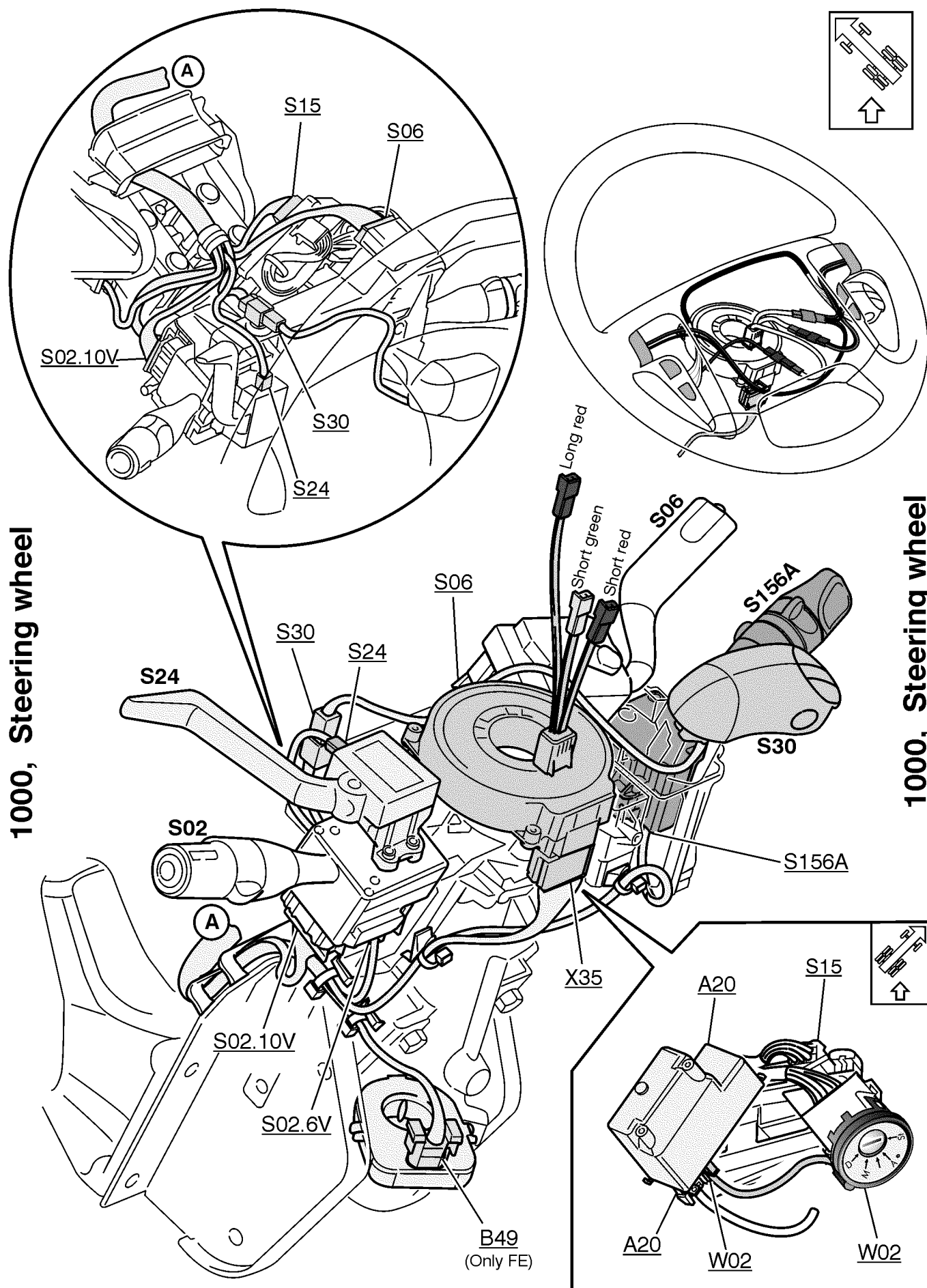


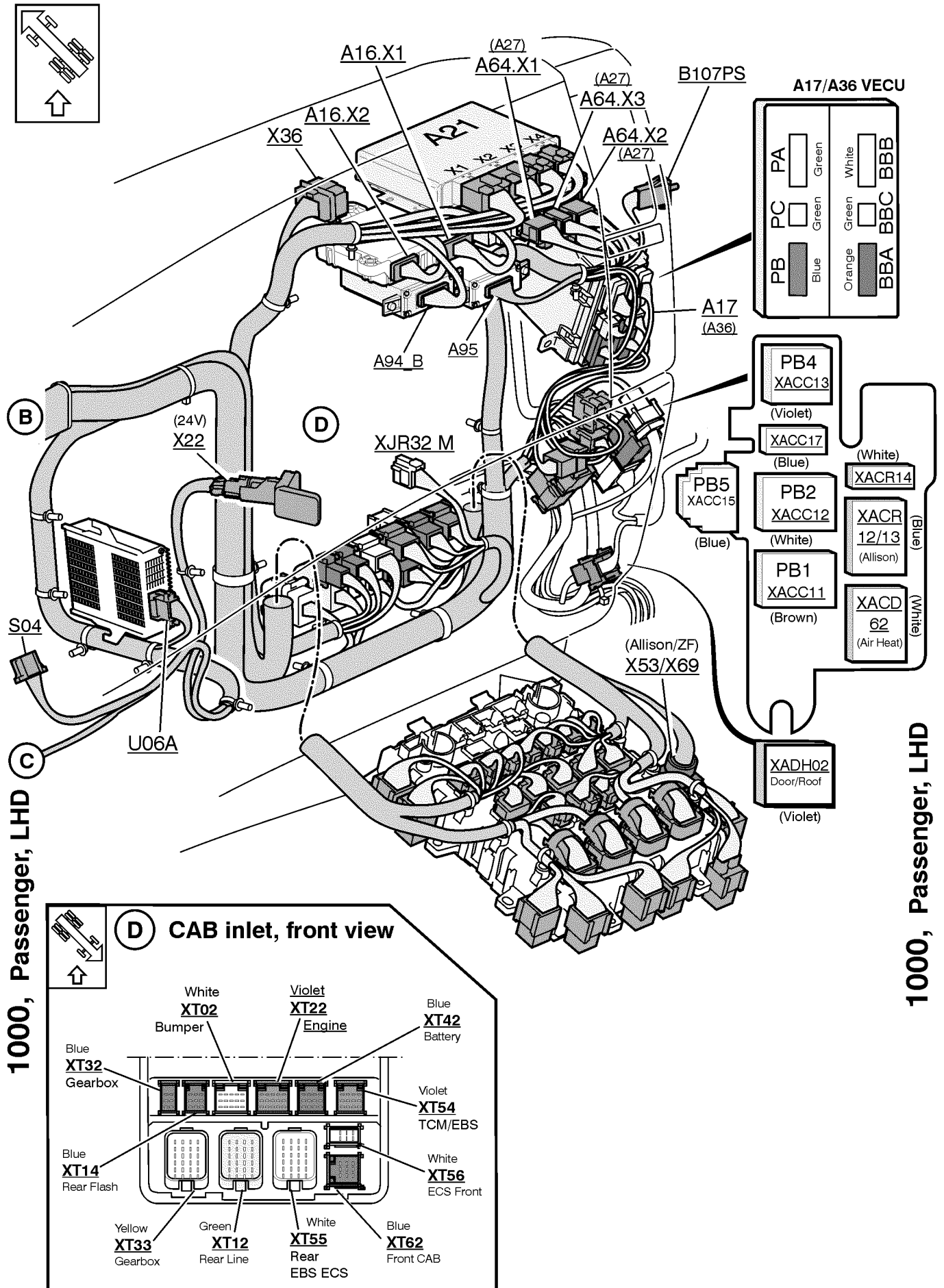


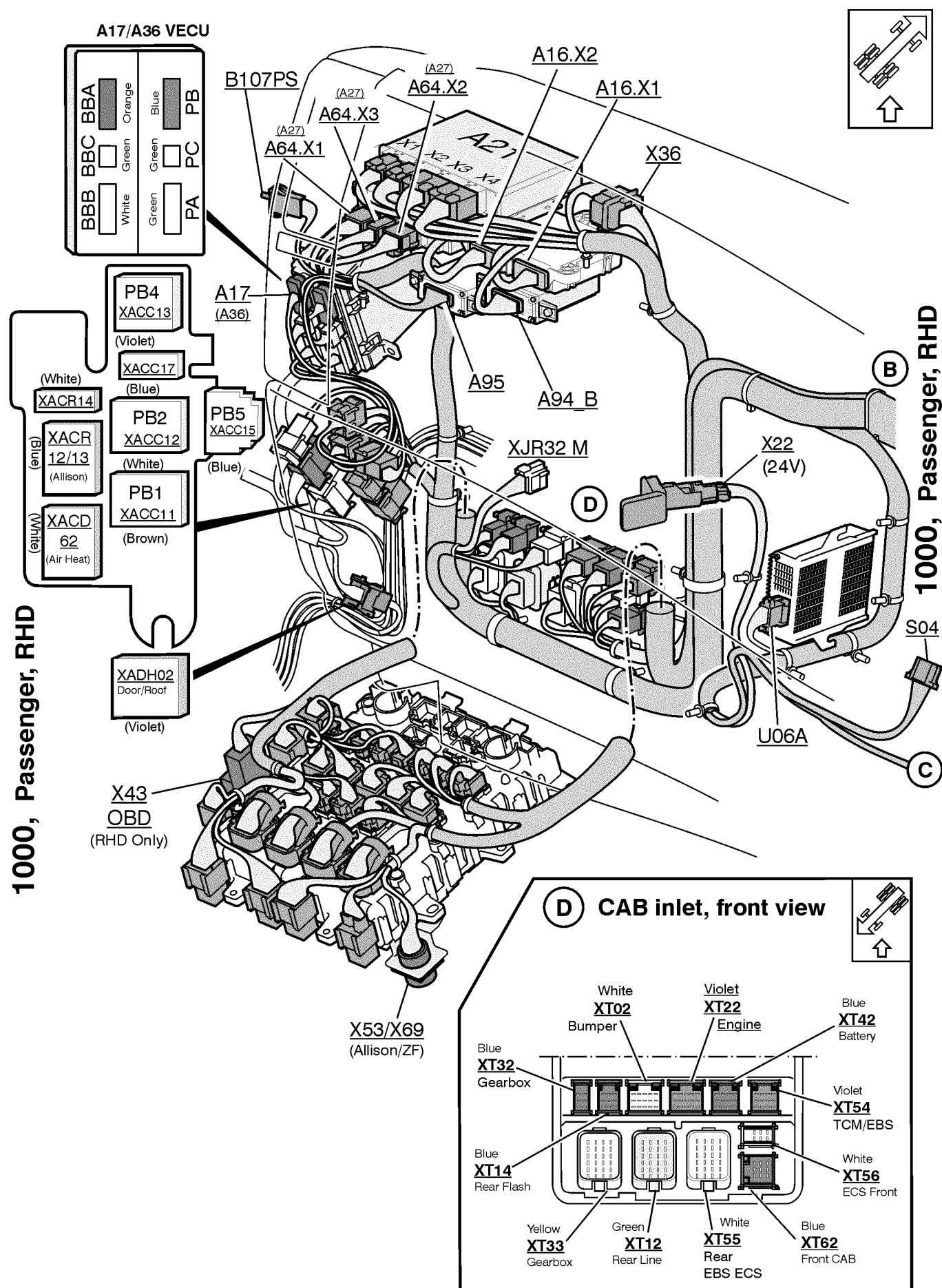


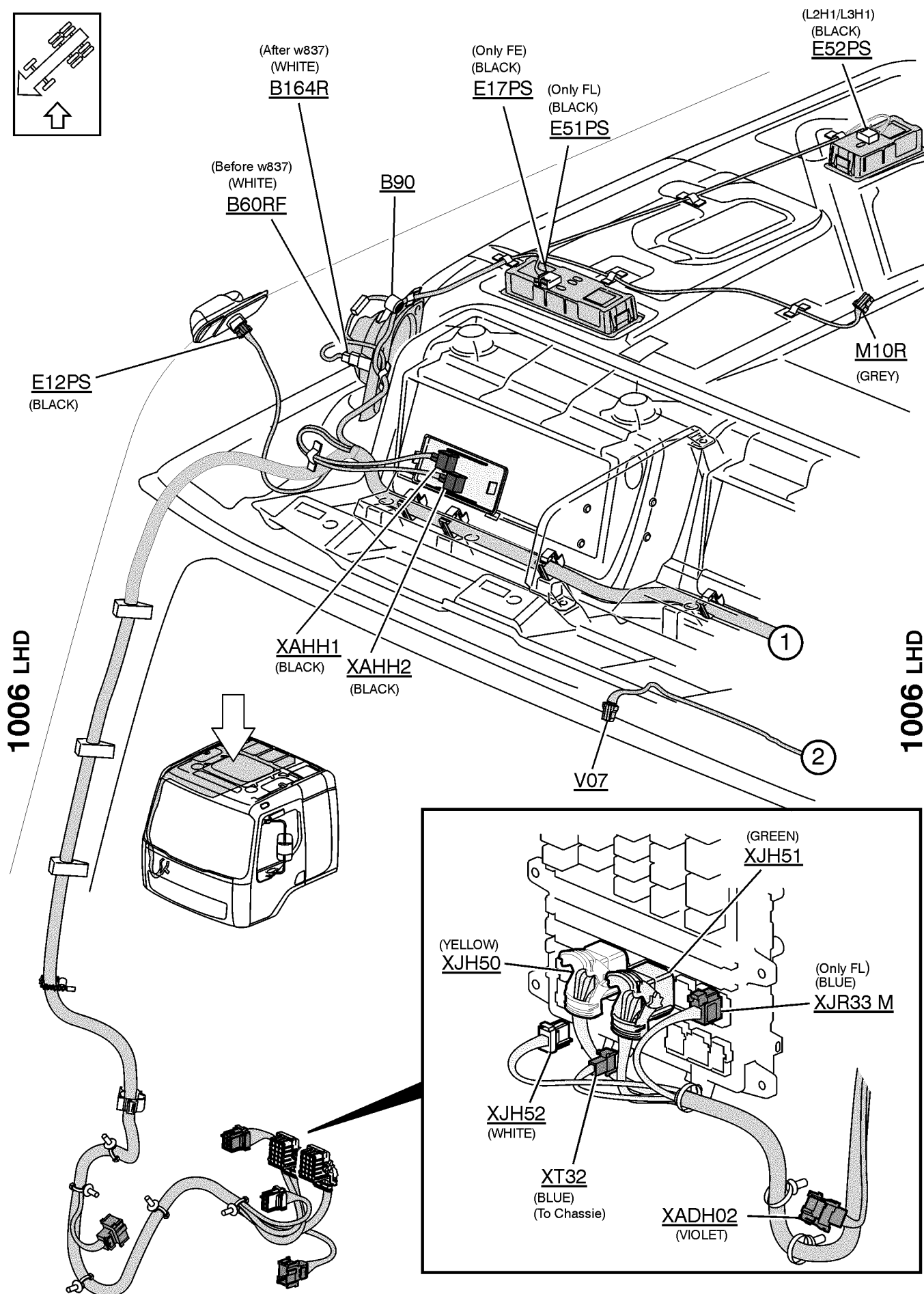
1000, Steering wheel

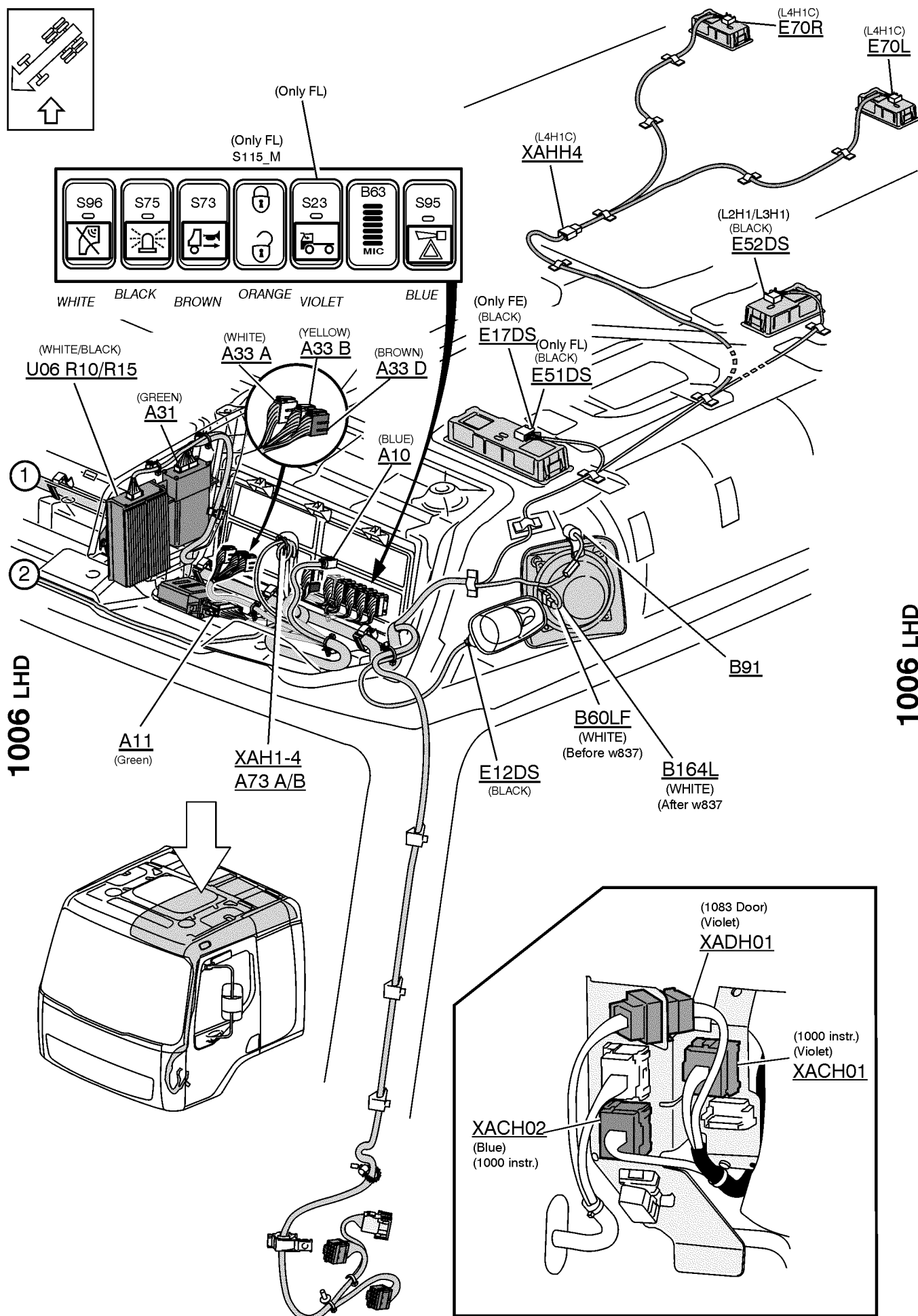
1000, Steering wheel

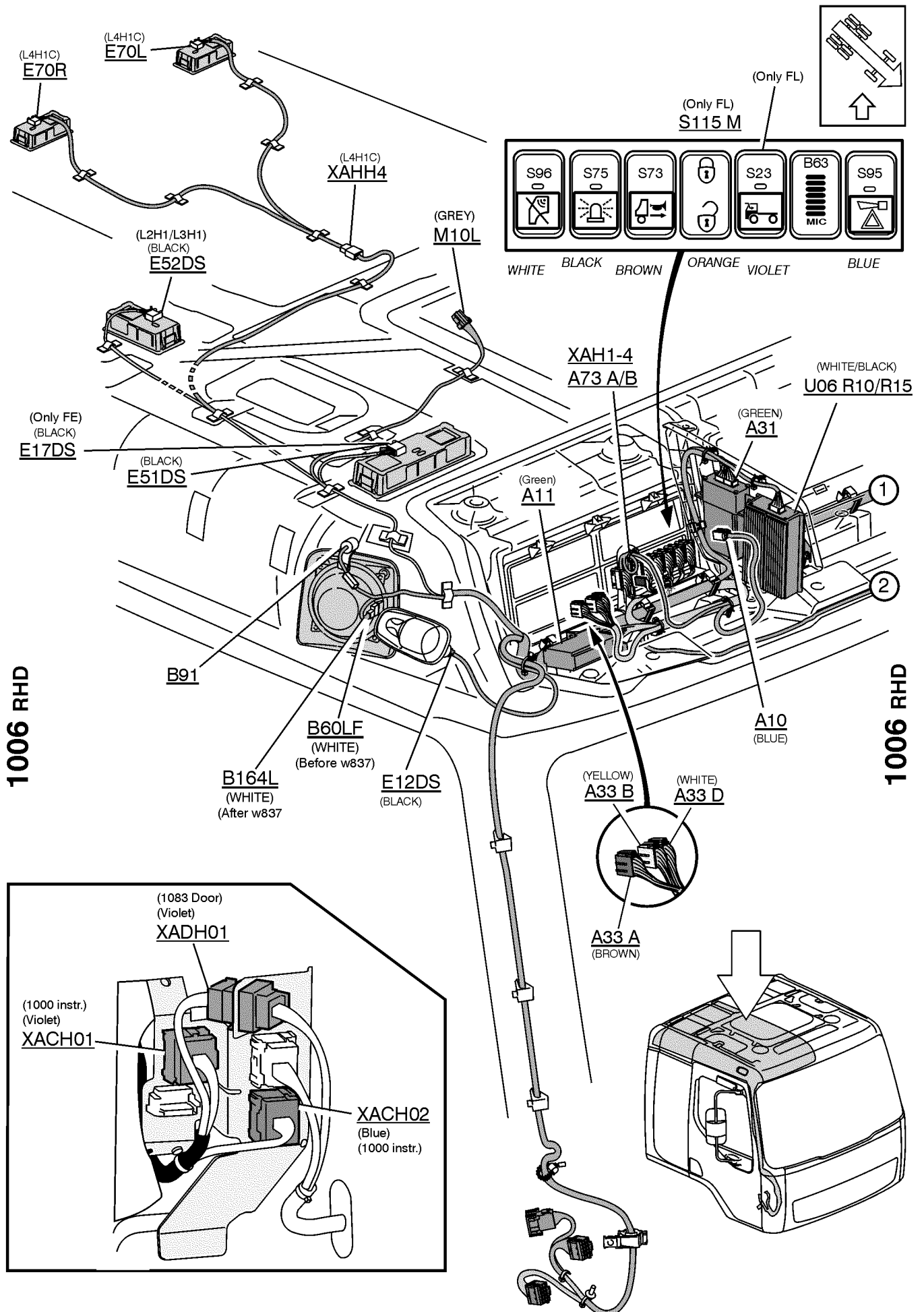


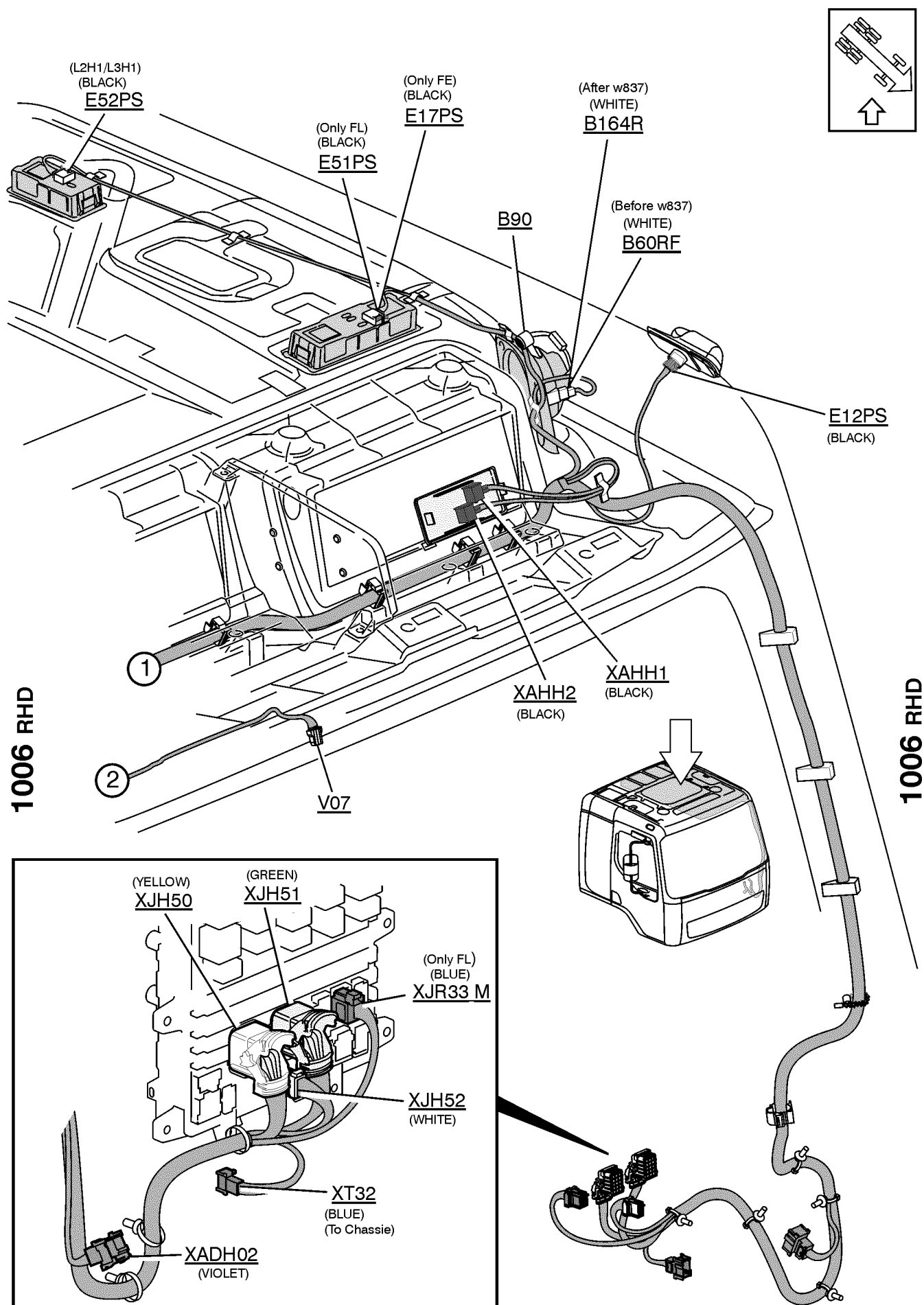


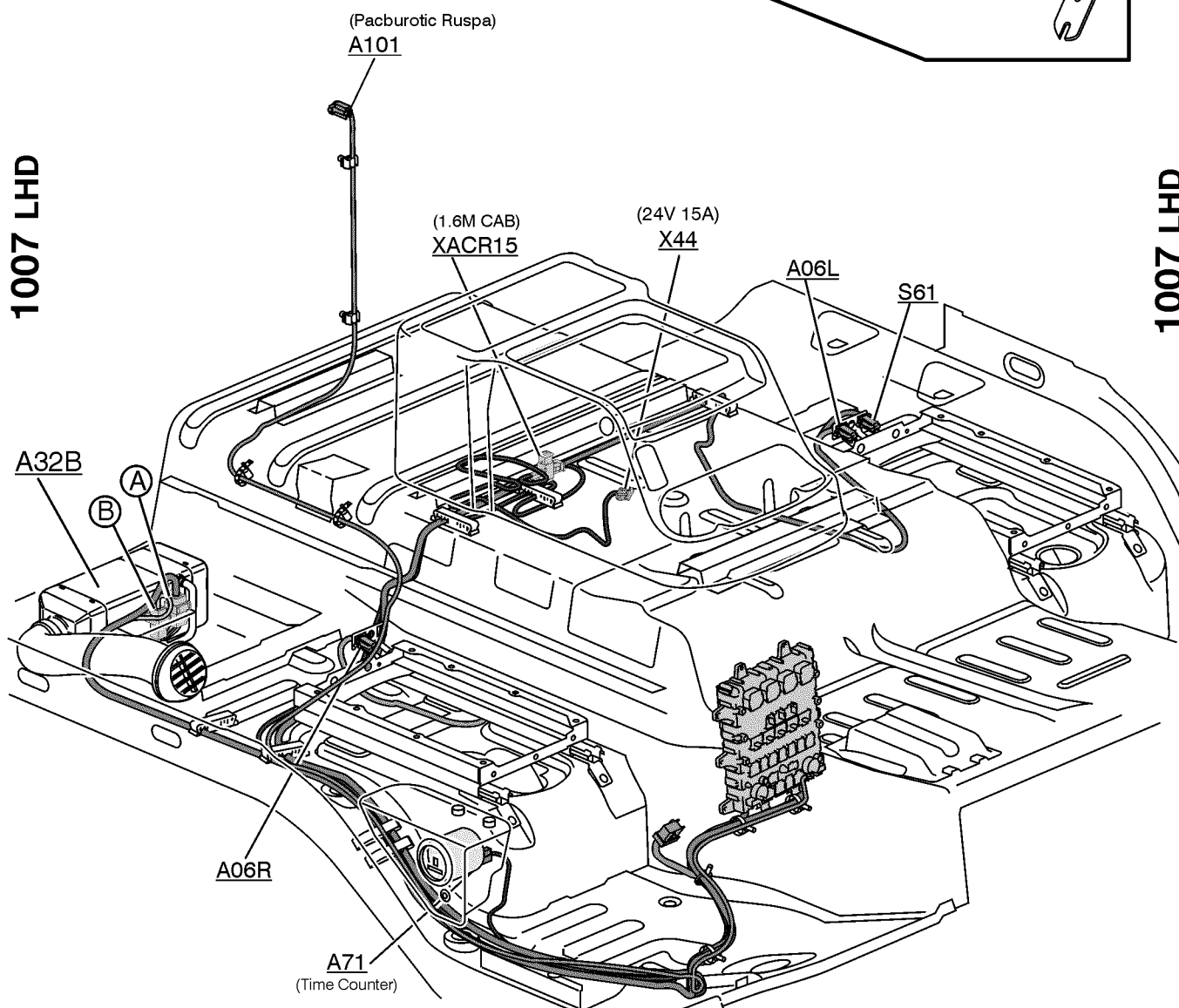
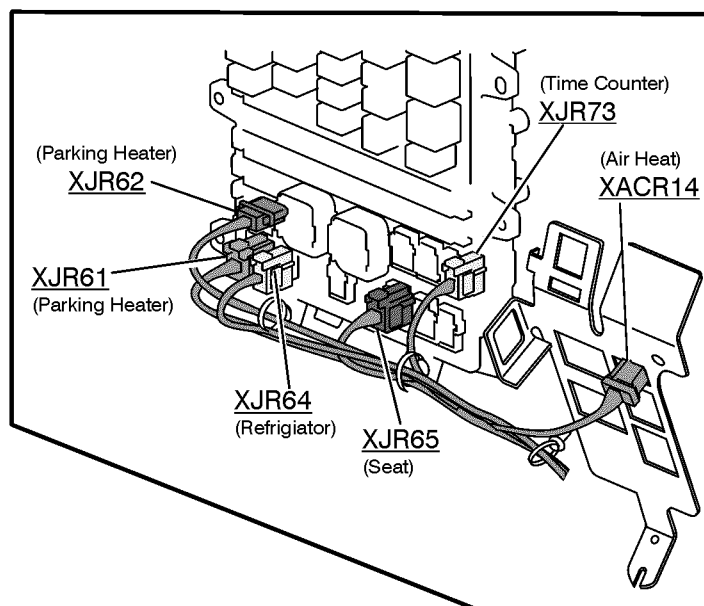
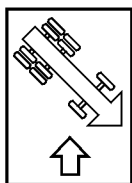


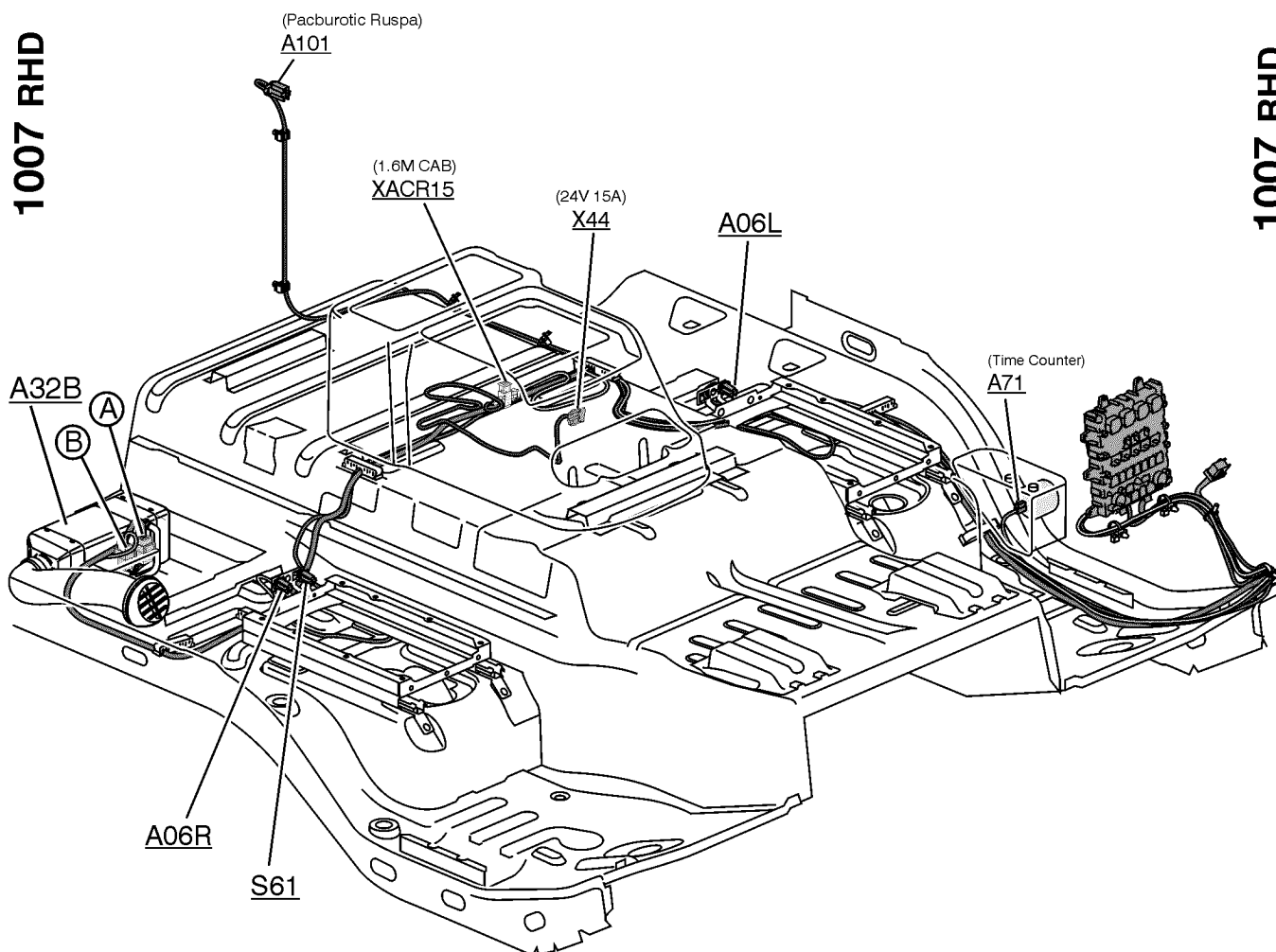
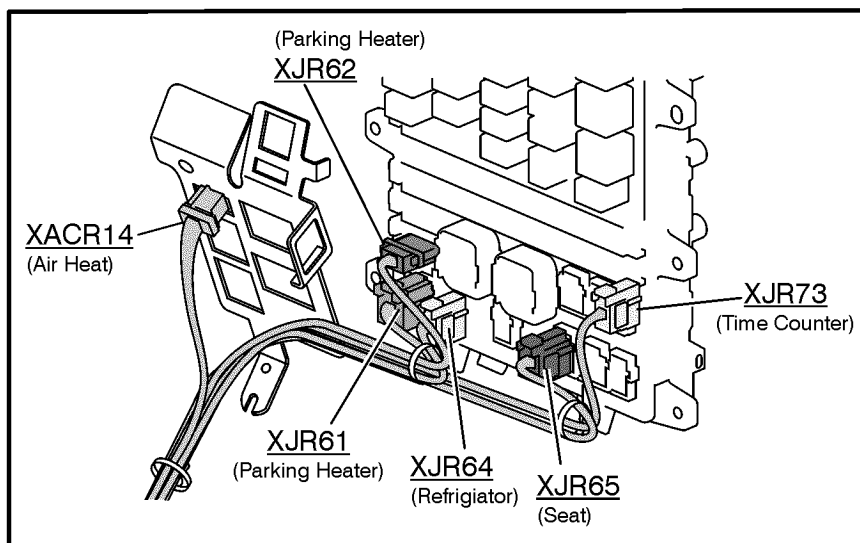
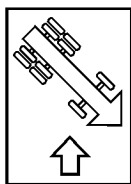




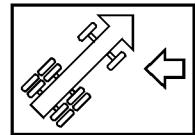




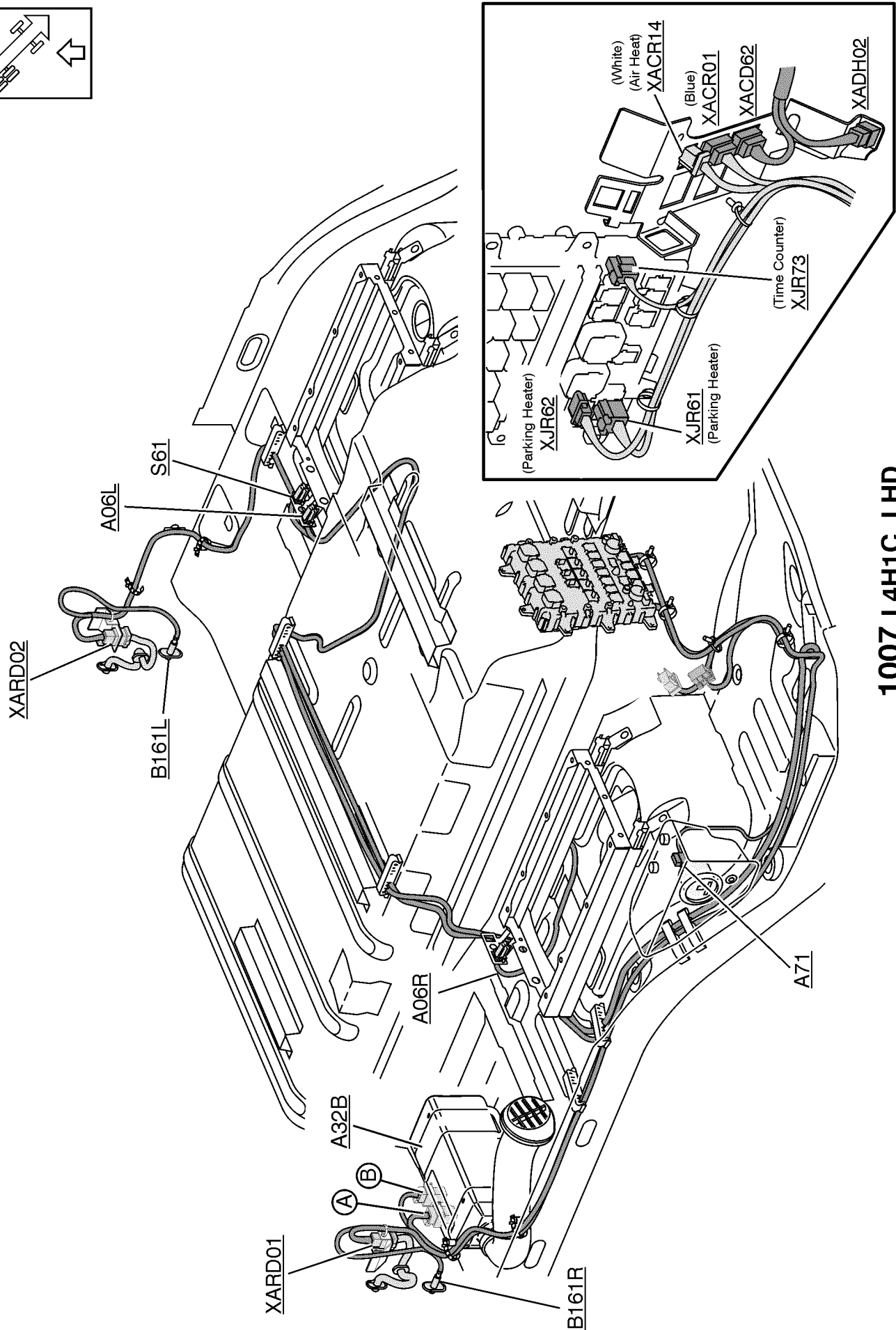




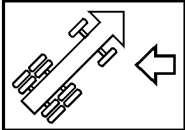
T3020142



1007 L4H1C, LHD

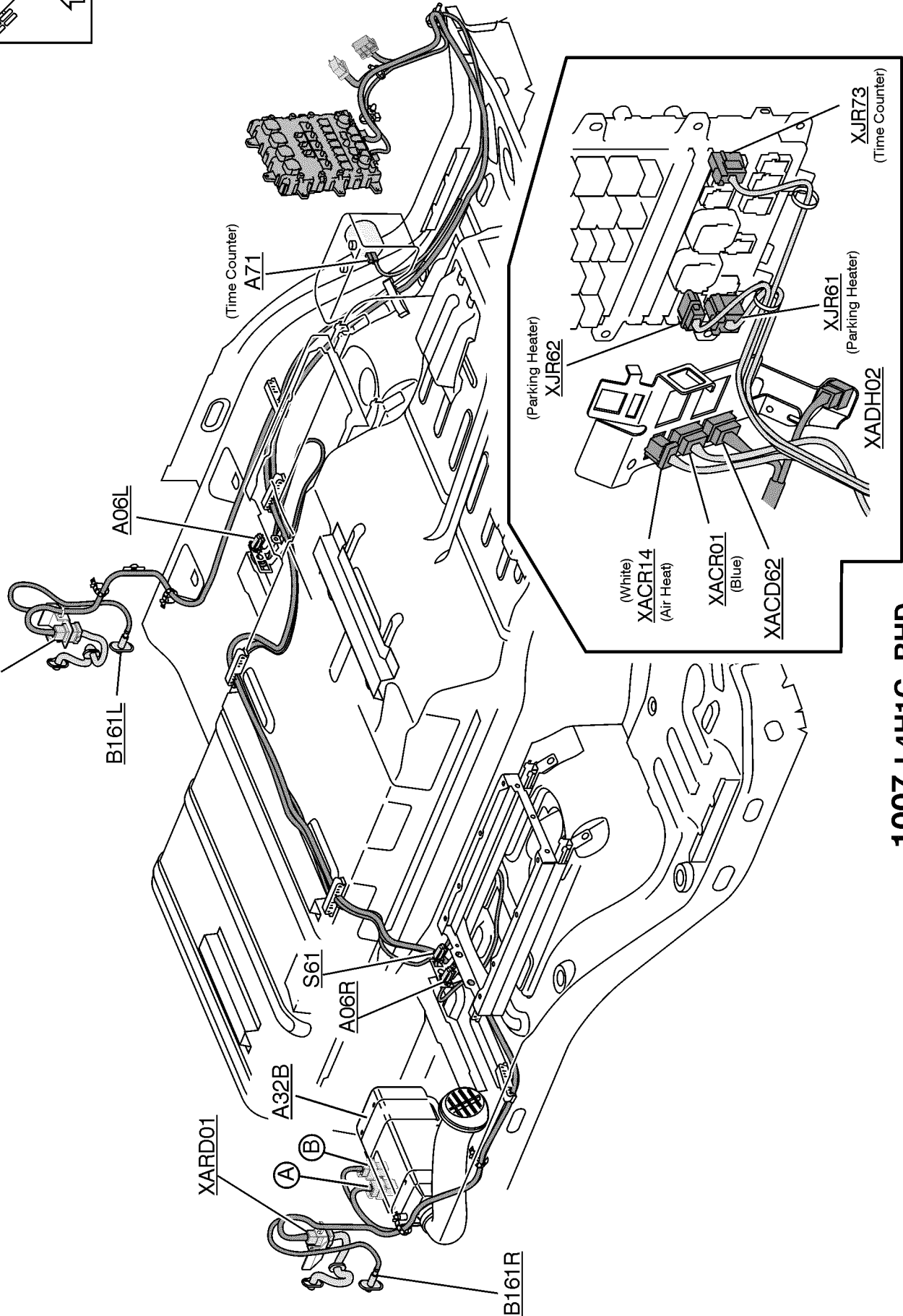


1007 L4H1C, LHD

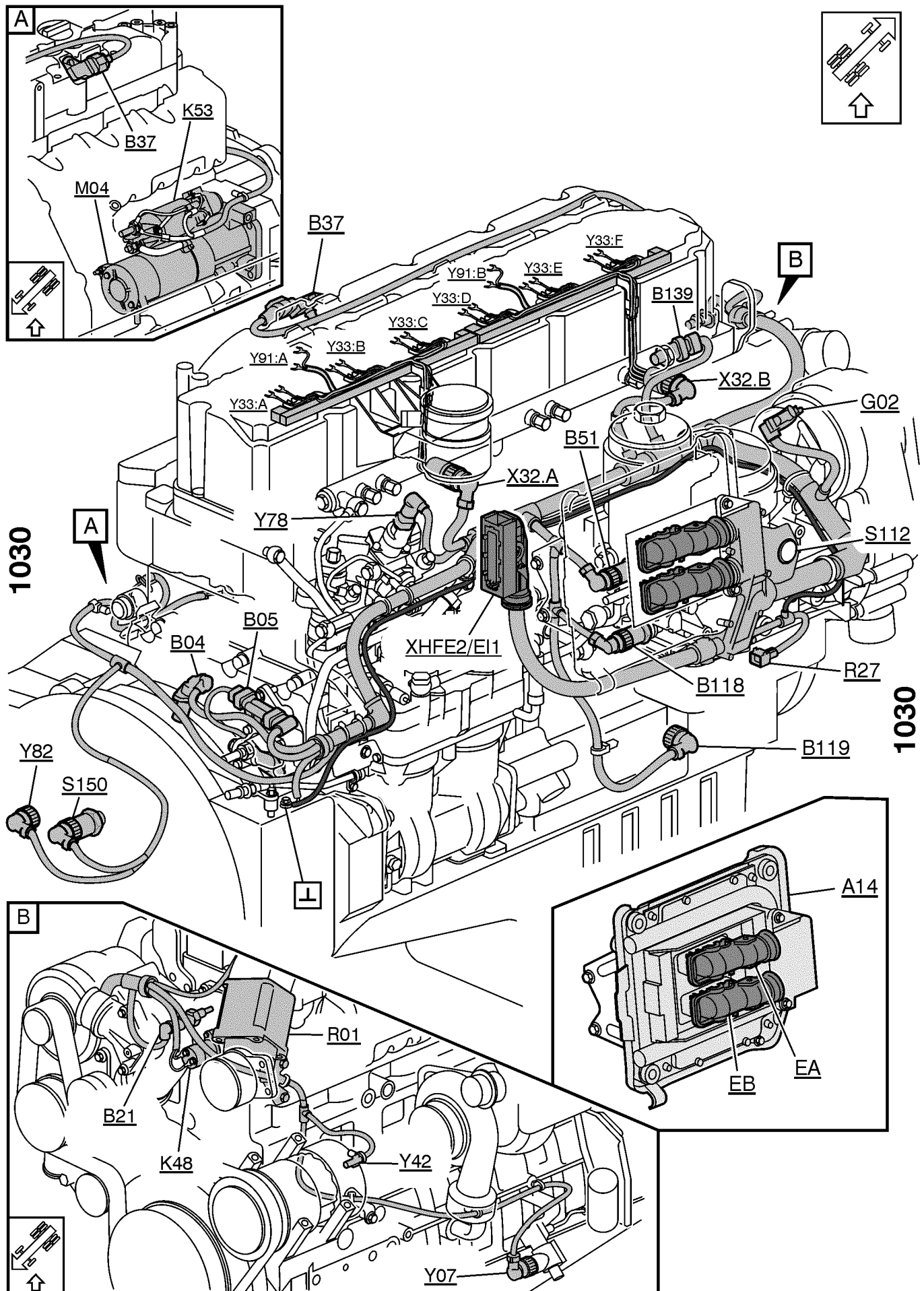


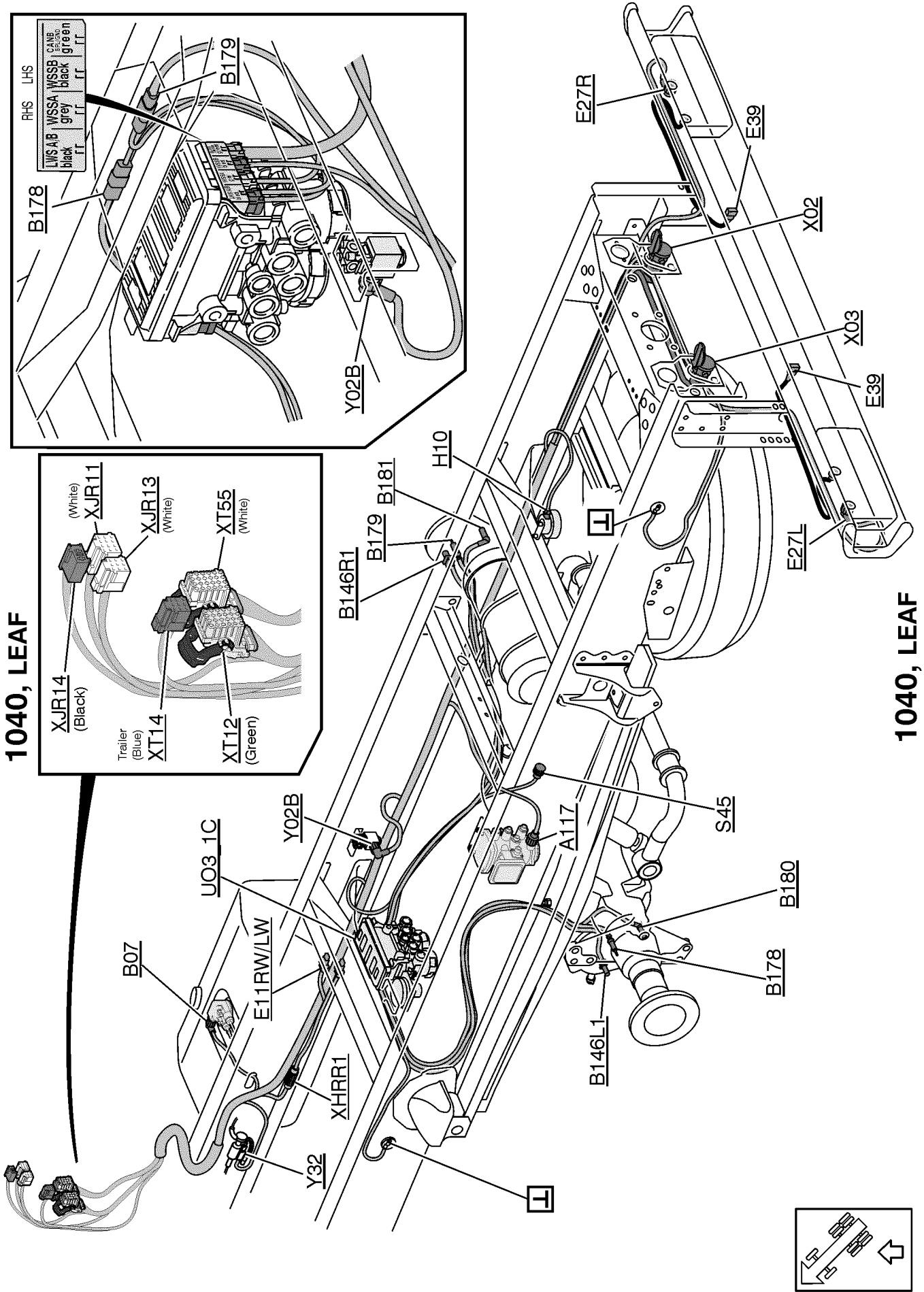
1007 L4H1C, RHD

XARD02



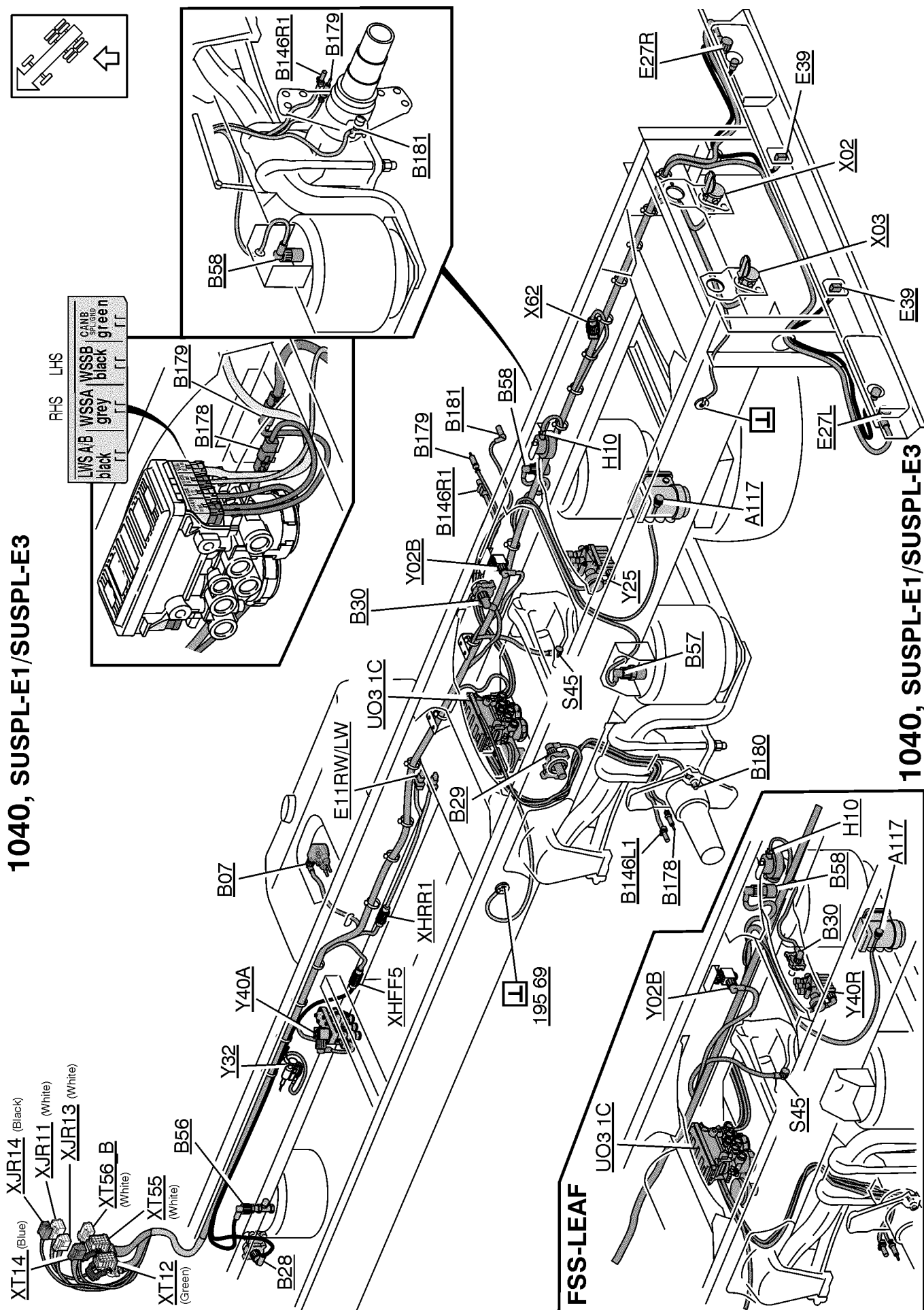
1007 L4H1C, RHD

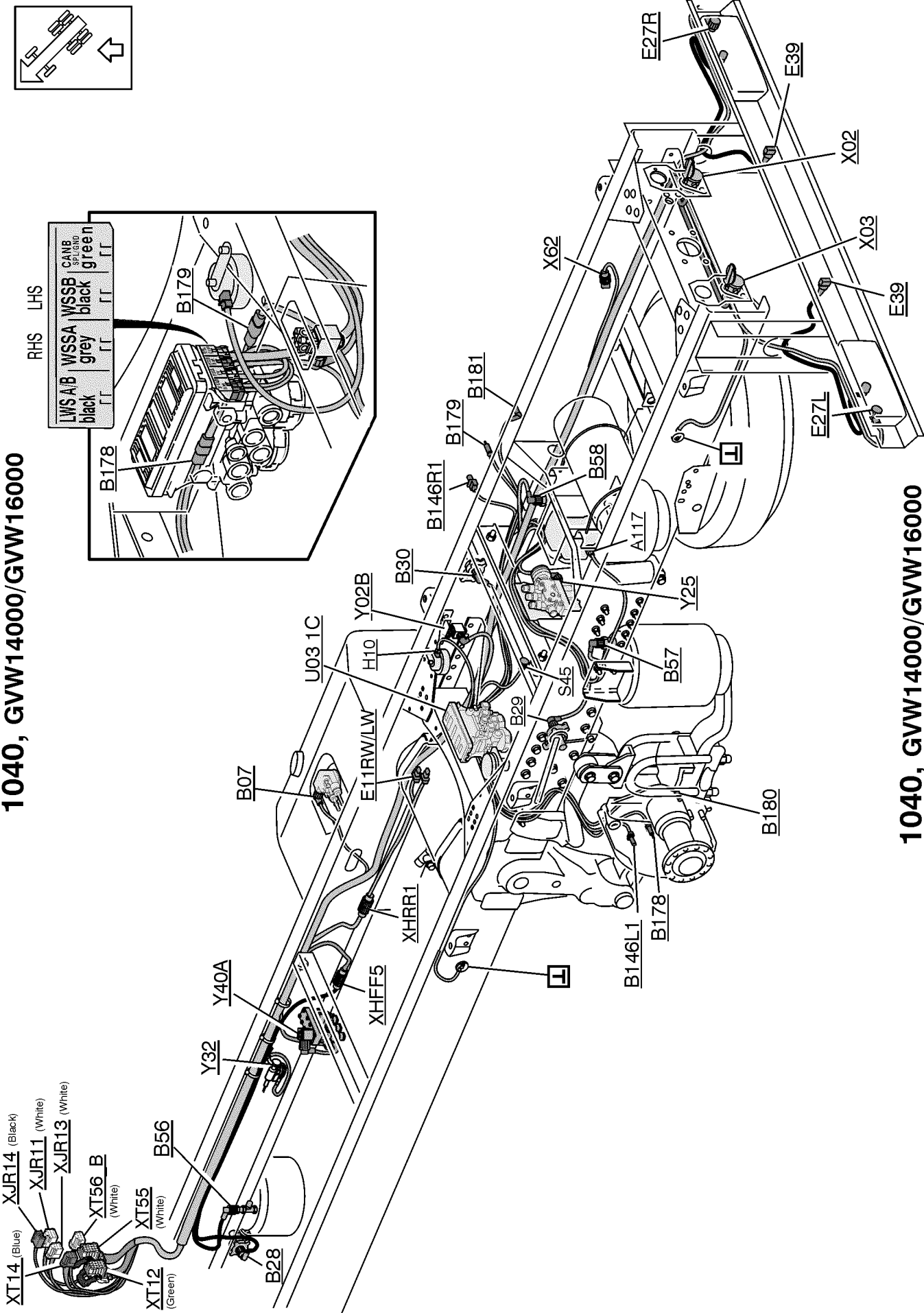


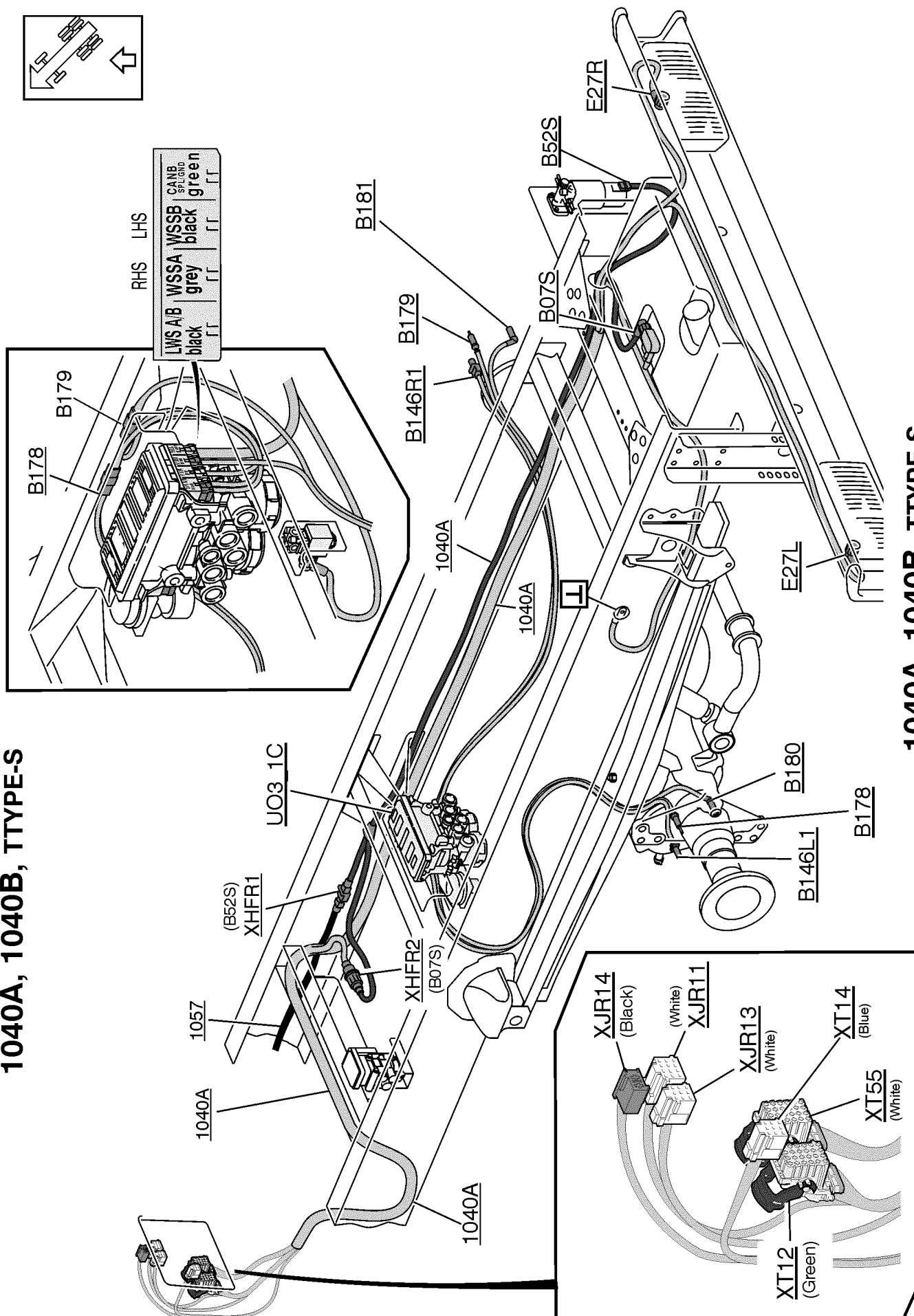


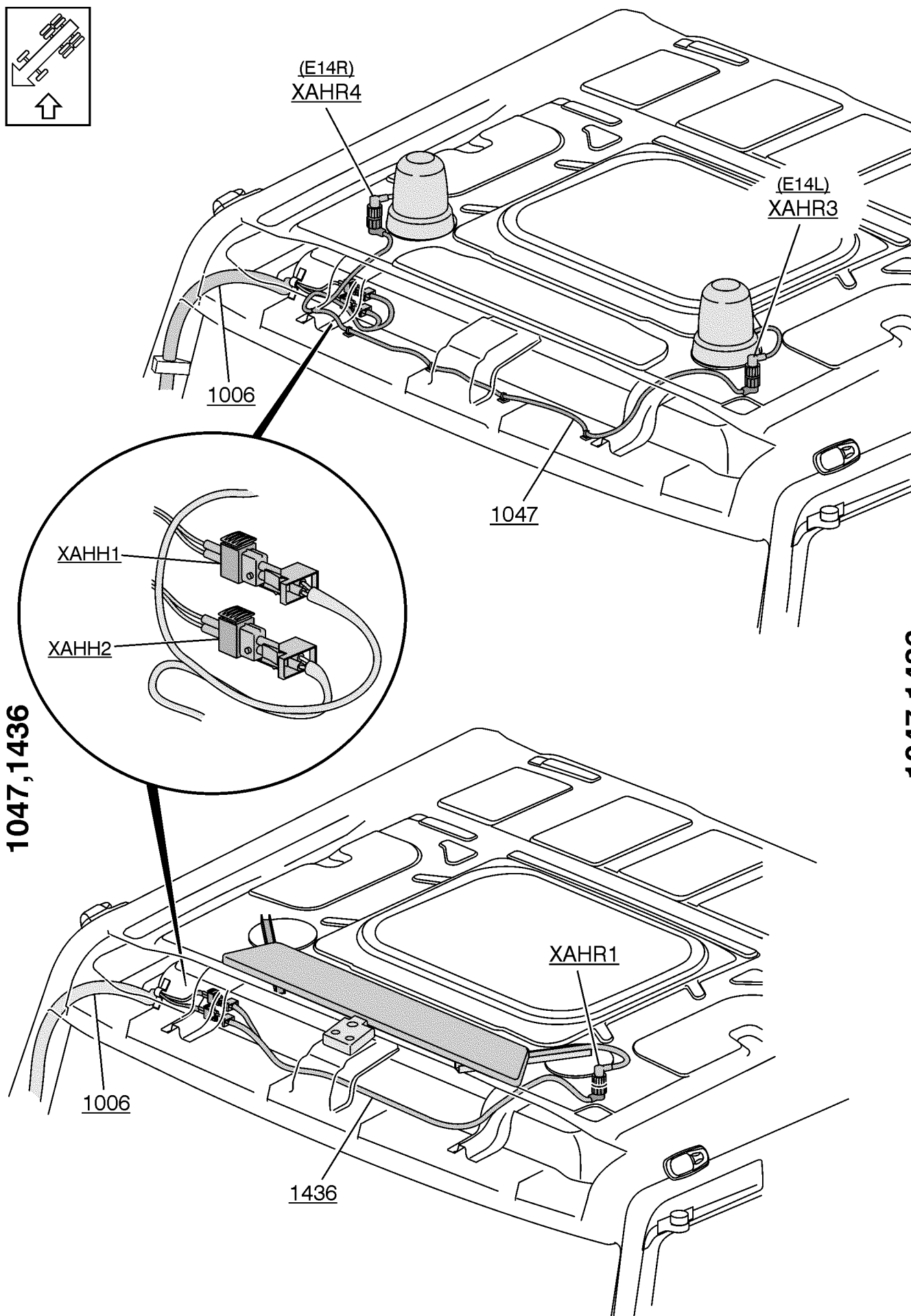
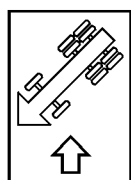
1040, LEAF

1040, LEAF

1040, SUSPL-E1/SUSPL-E3**1040, SUSPL-E1/SUSPL-E3**

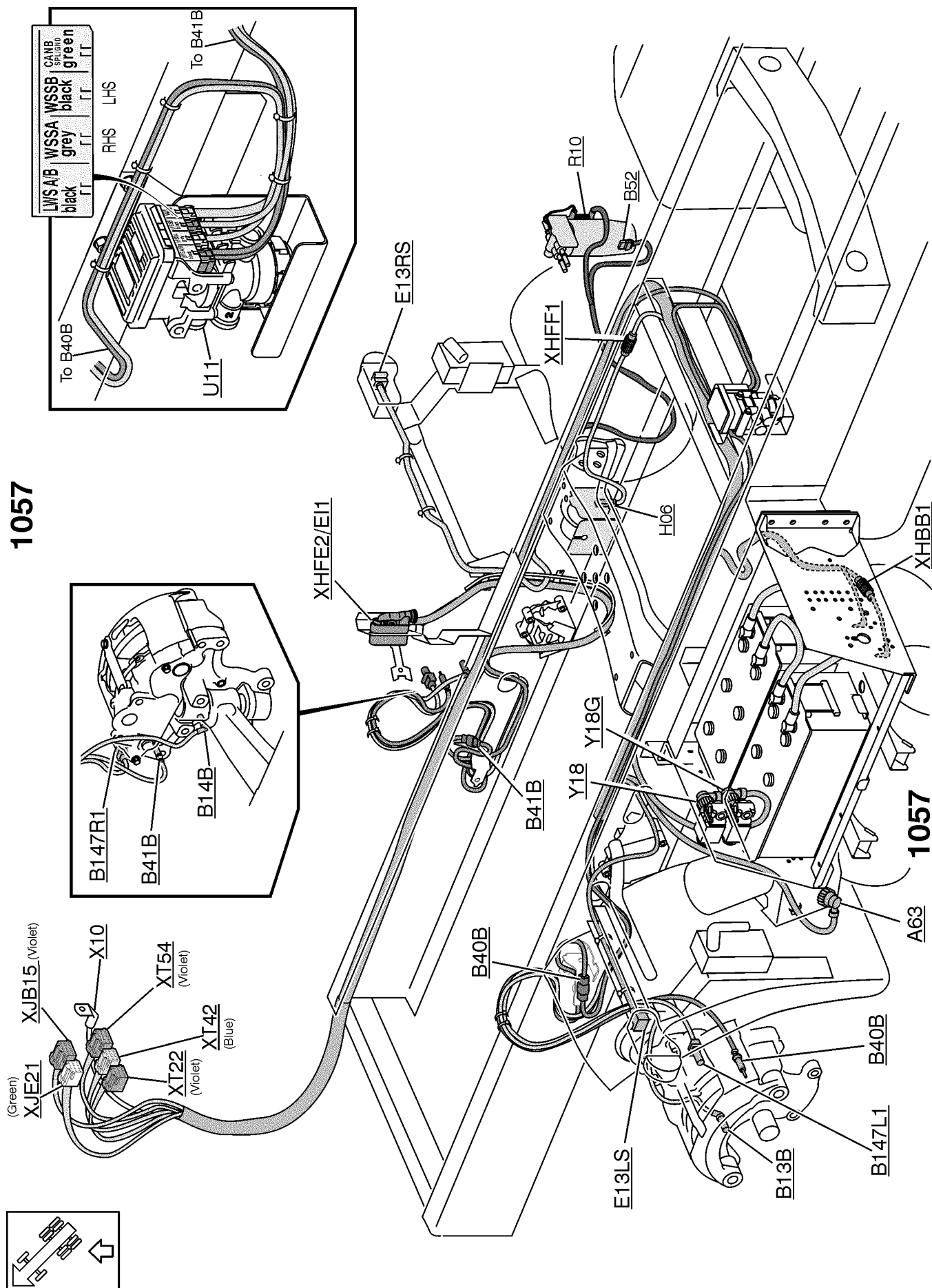


1040A, 1040B, TTYPE-S**1040A, 1040B, TTYPE-S**

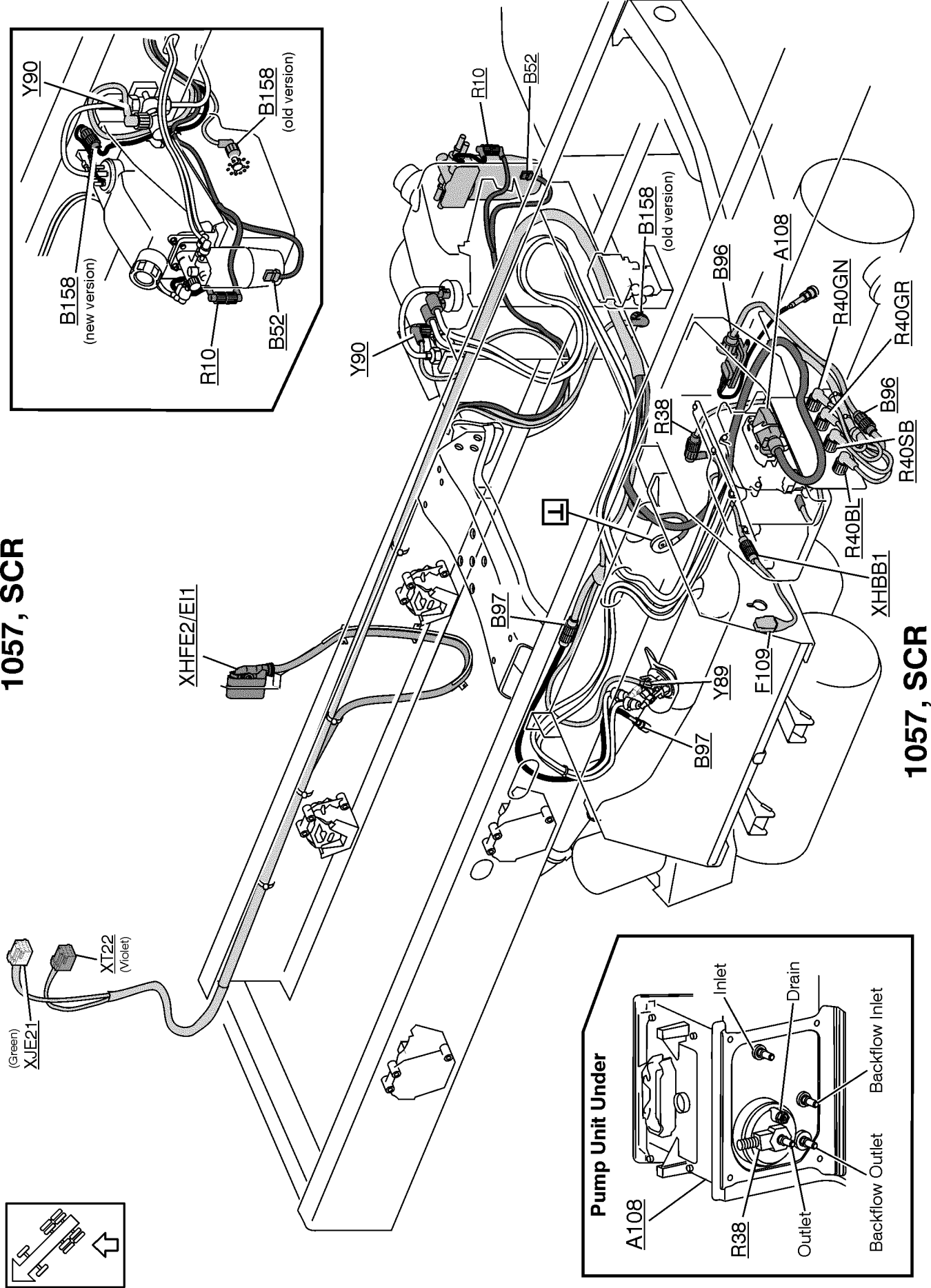


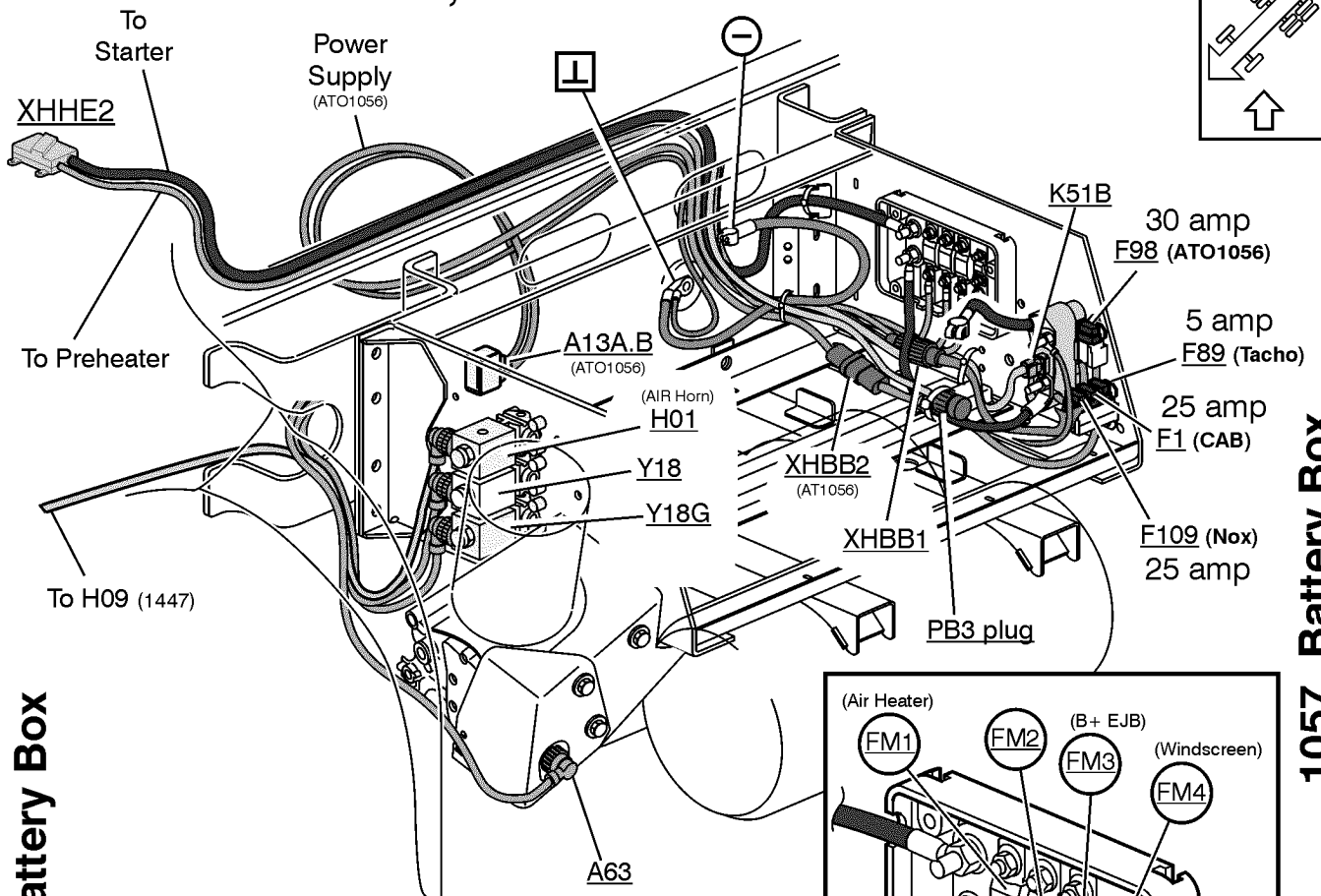
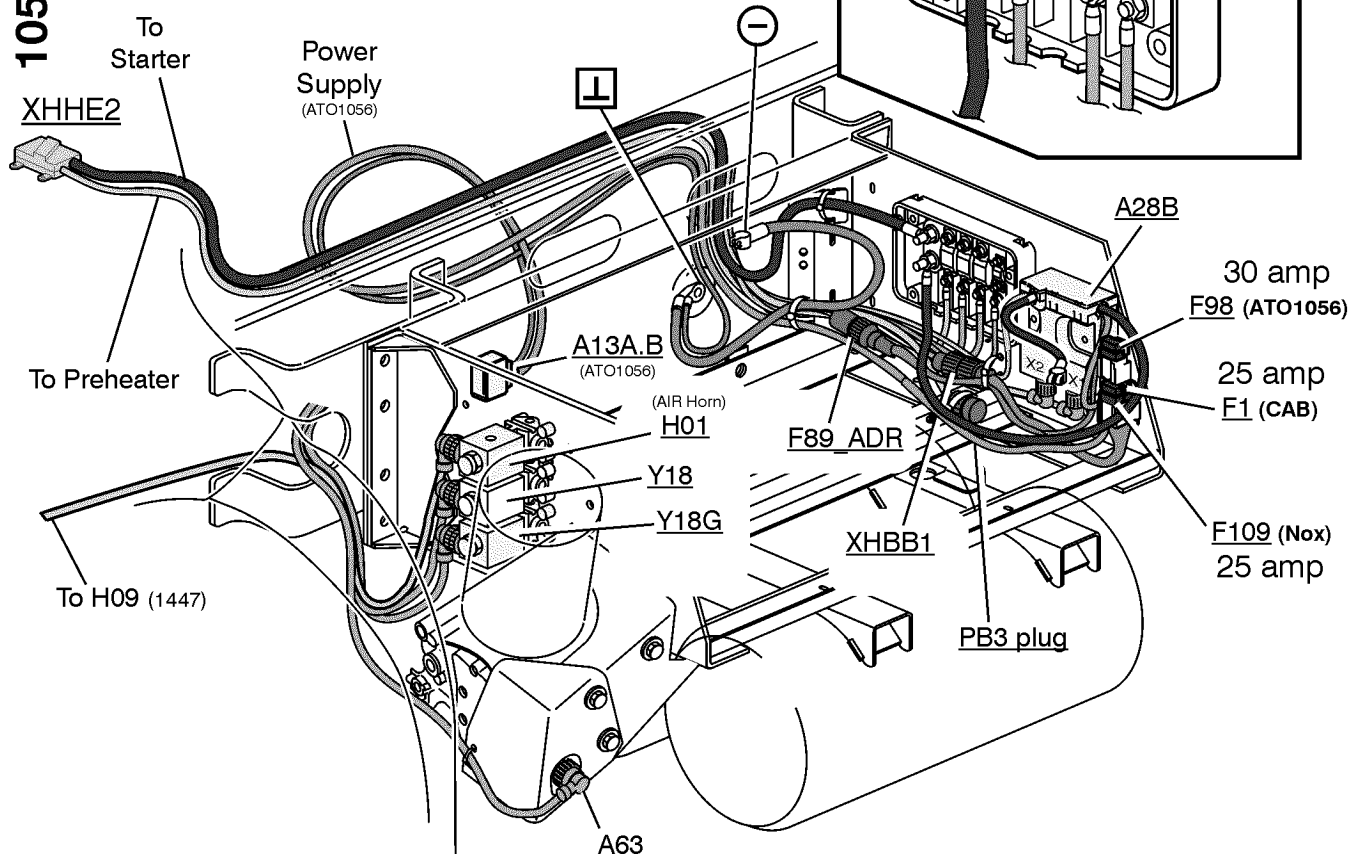
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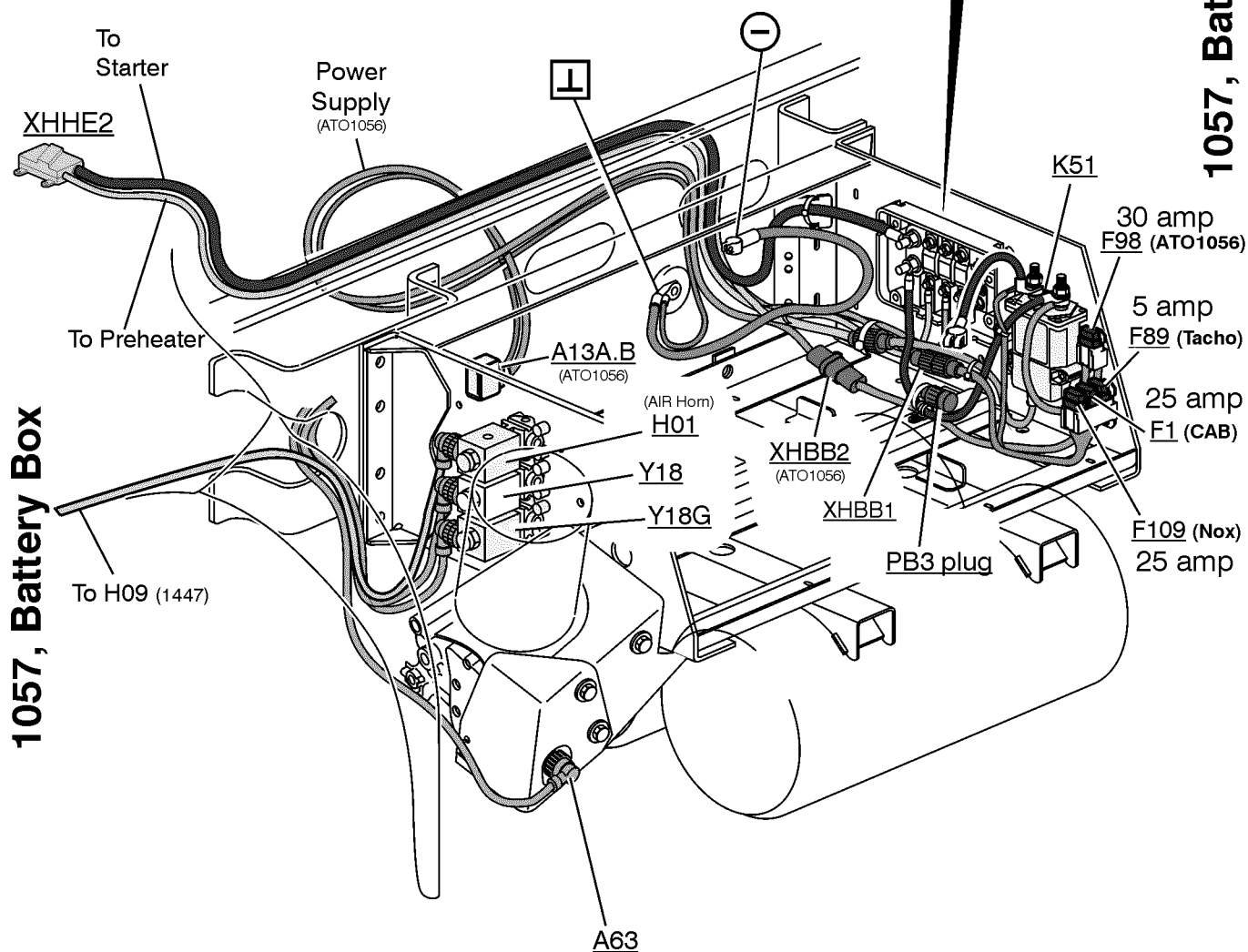
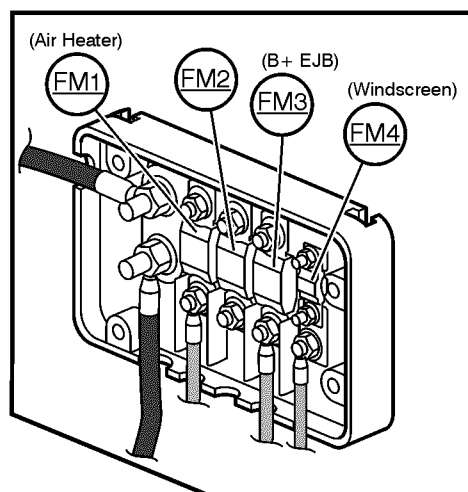
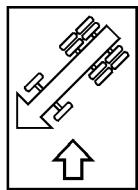
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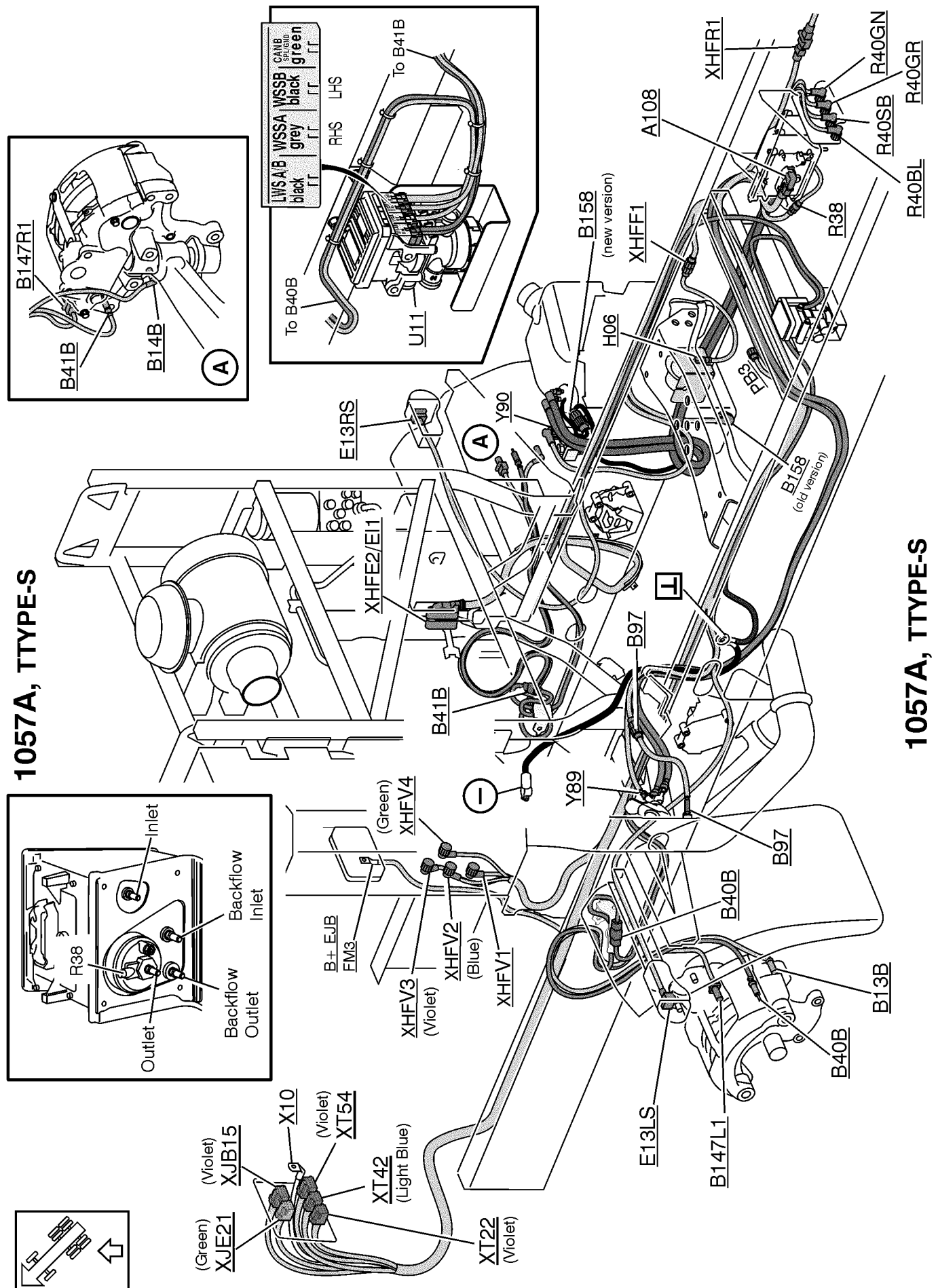


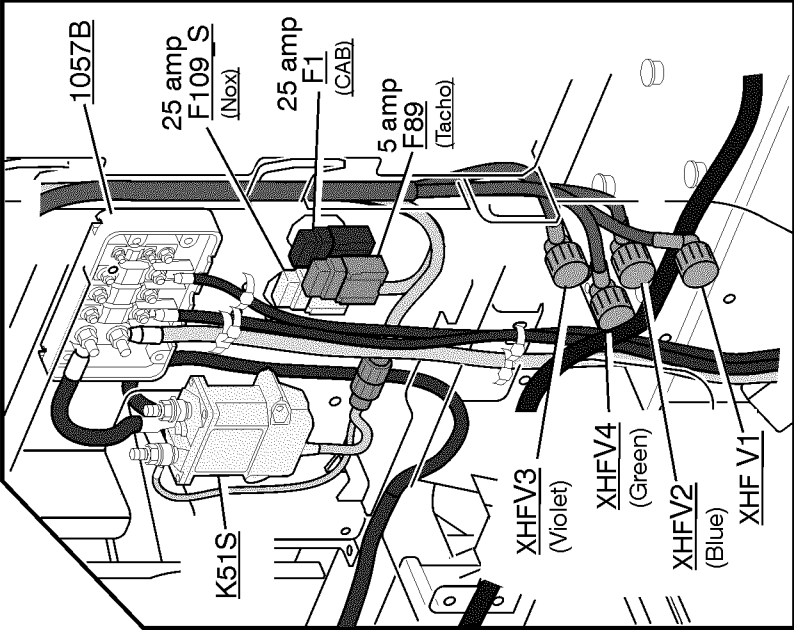
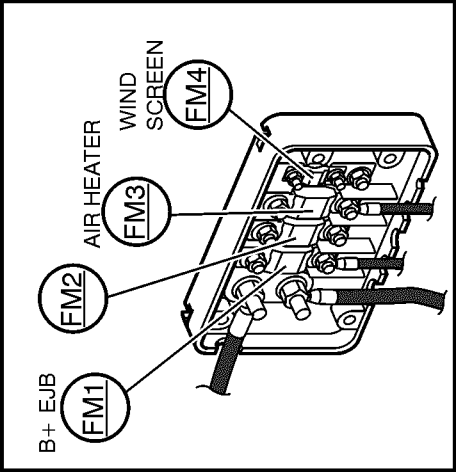
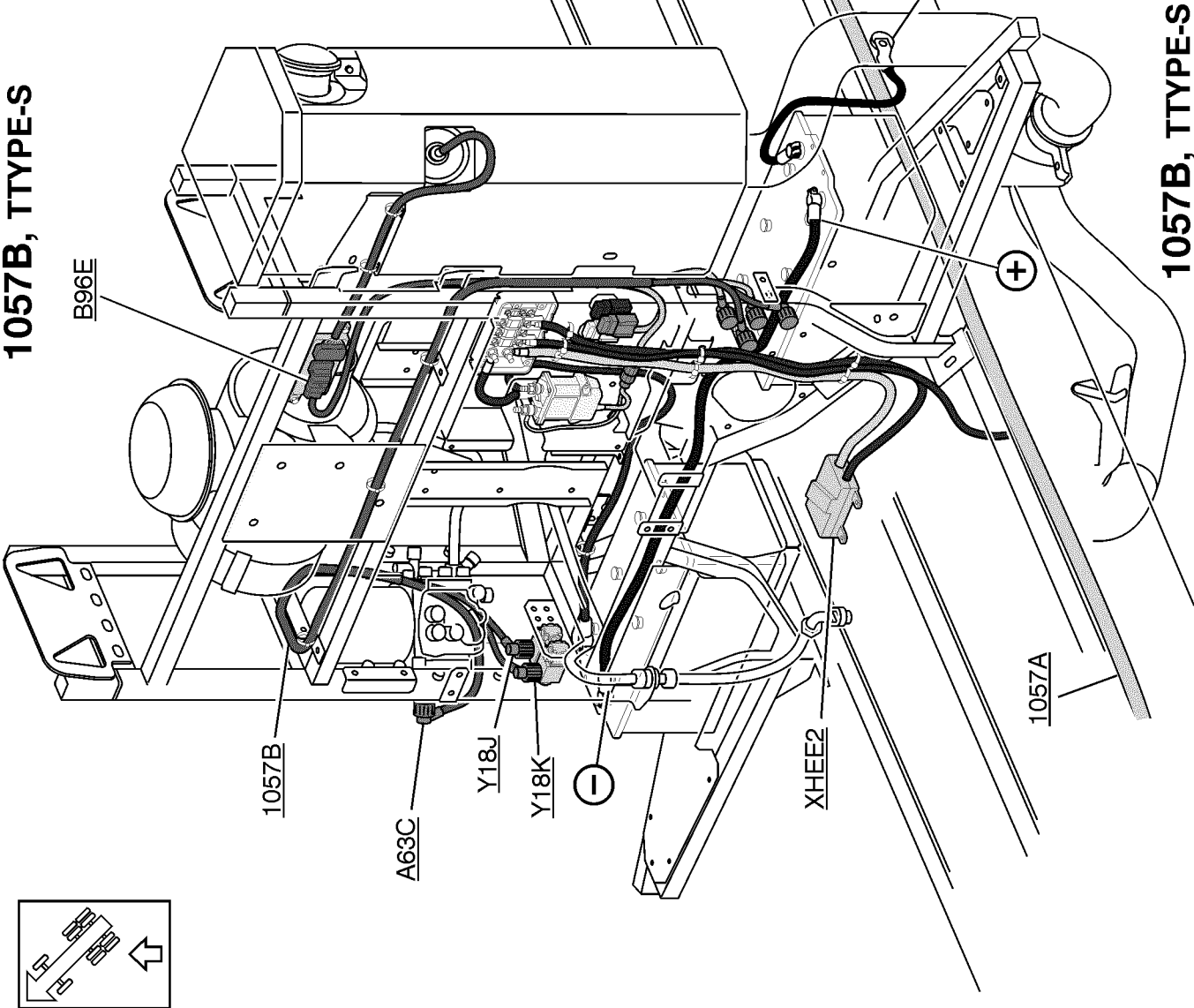
T3020144

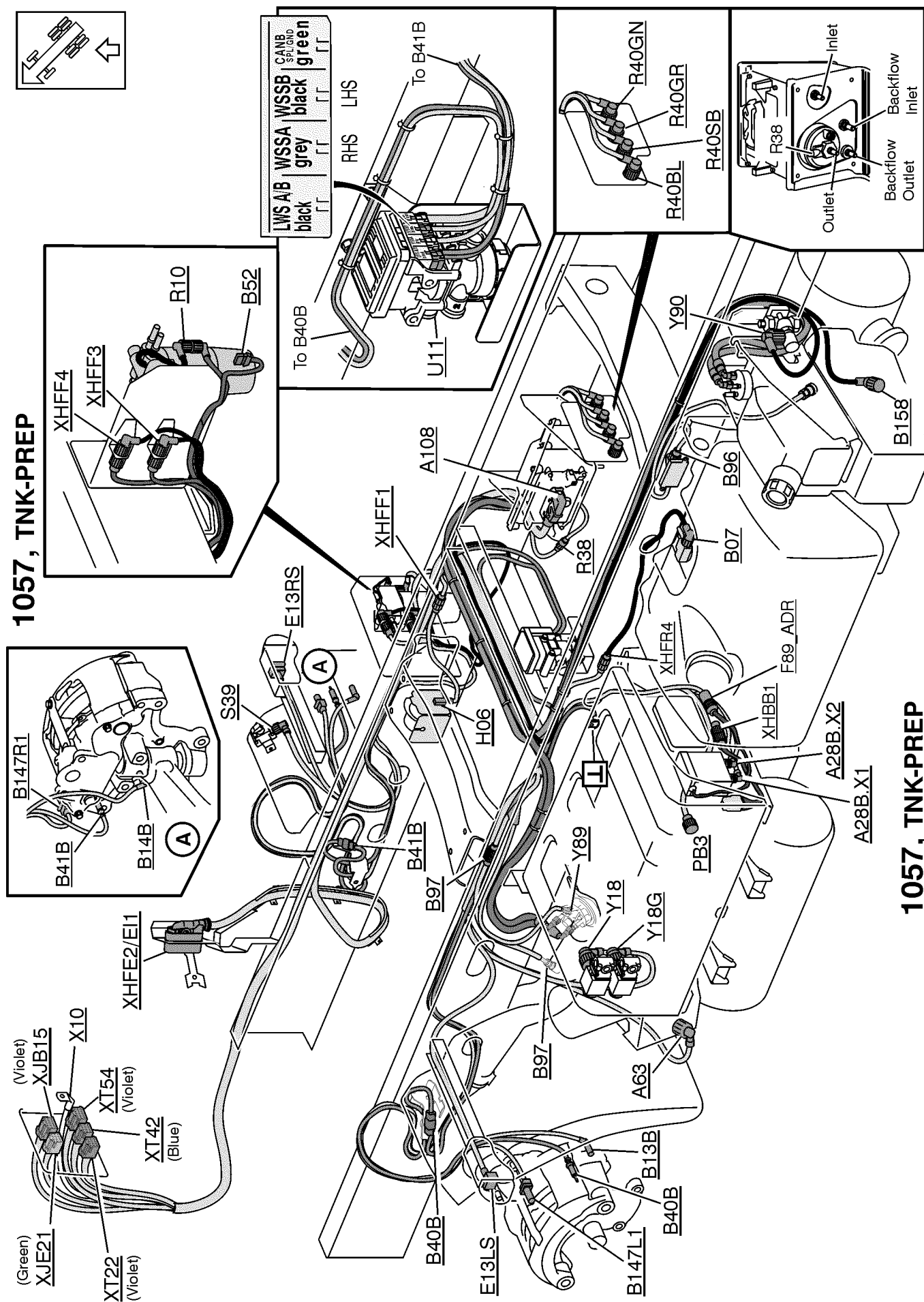


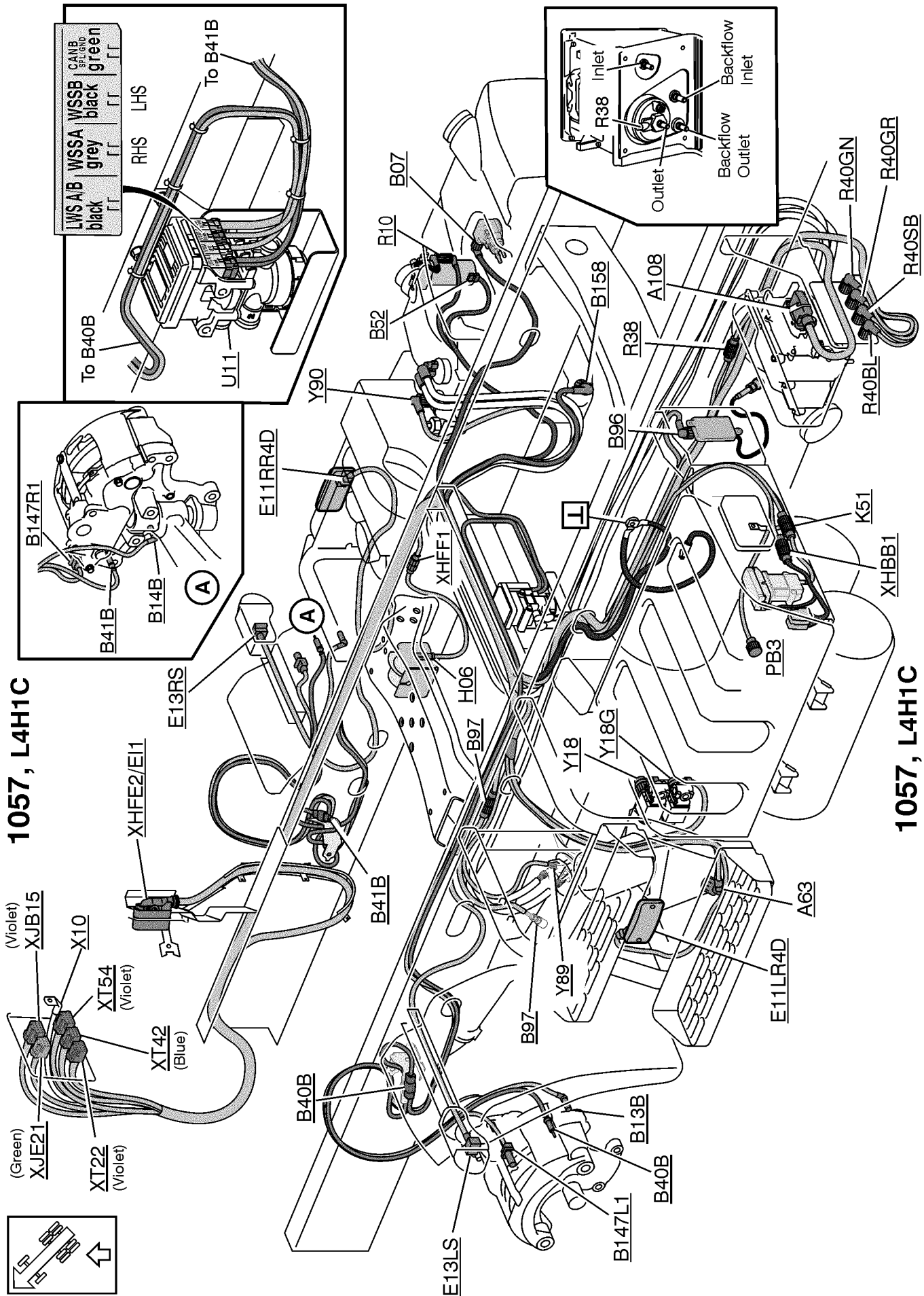
UADR, Not for LOCK-ALL**1057, Battery Box****ADR-BAS1/ADR1/ADR2**

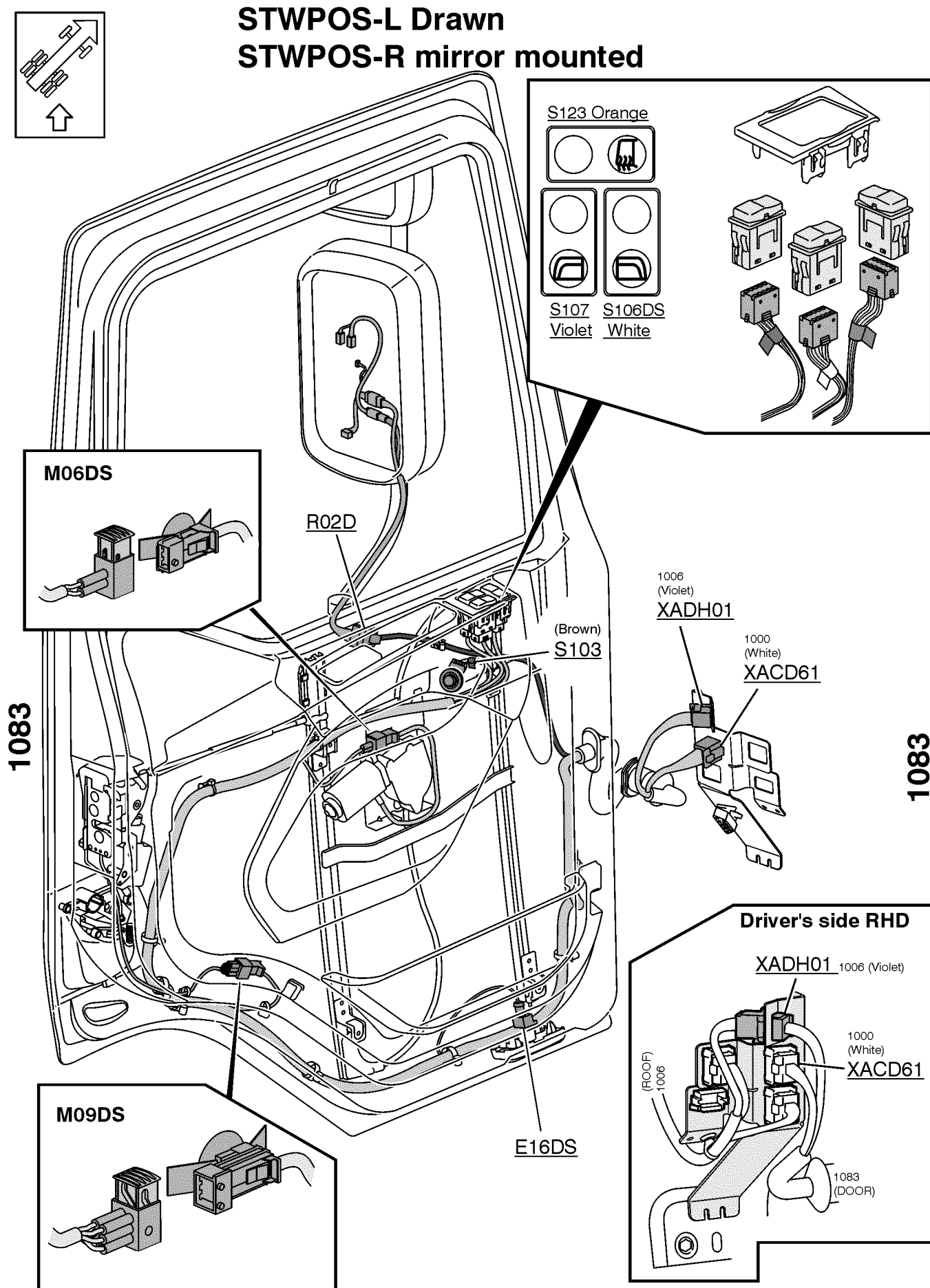
LOCK-ALL**1057, Battery Box****1057, Battery Box**

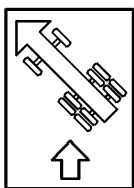




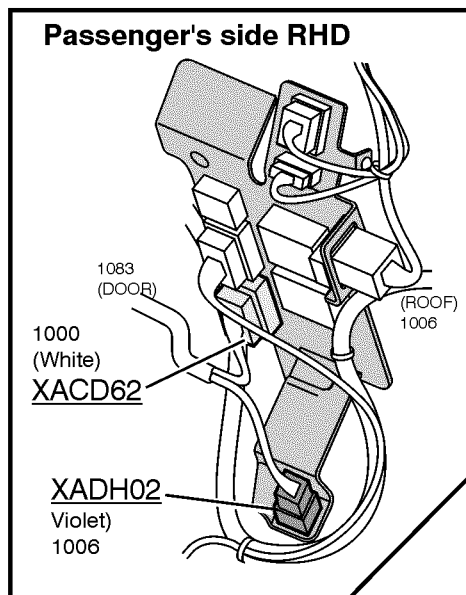








STWPOS-L Drawn STWPOS-R mirror mounted



1083

1000 (White)
XACD62

XADH02
(Violet)
1006

E16PS

B22

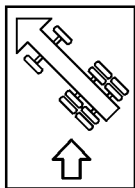
S106PS

R02P

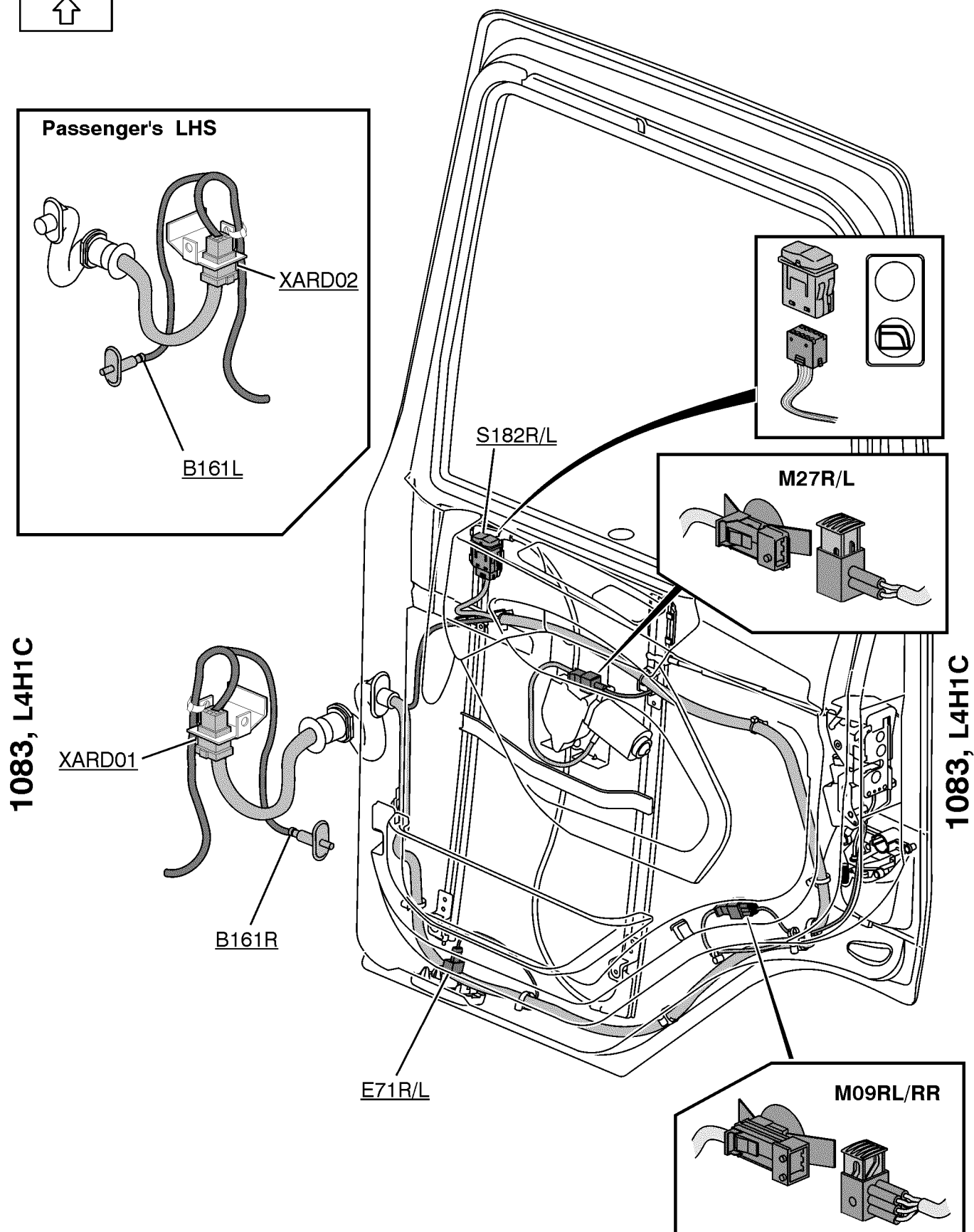
M06PS

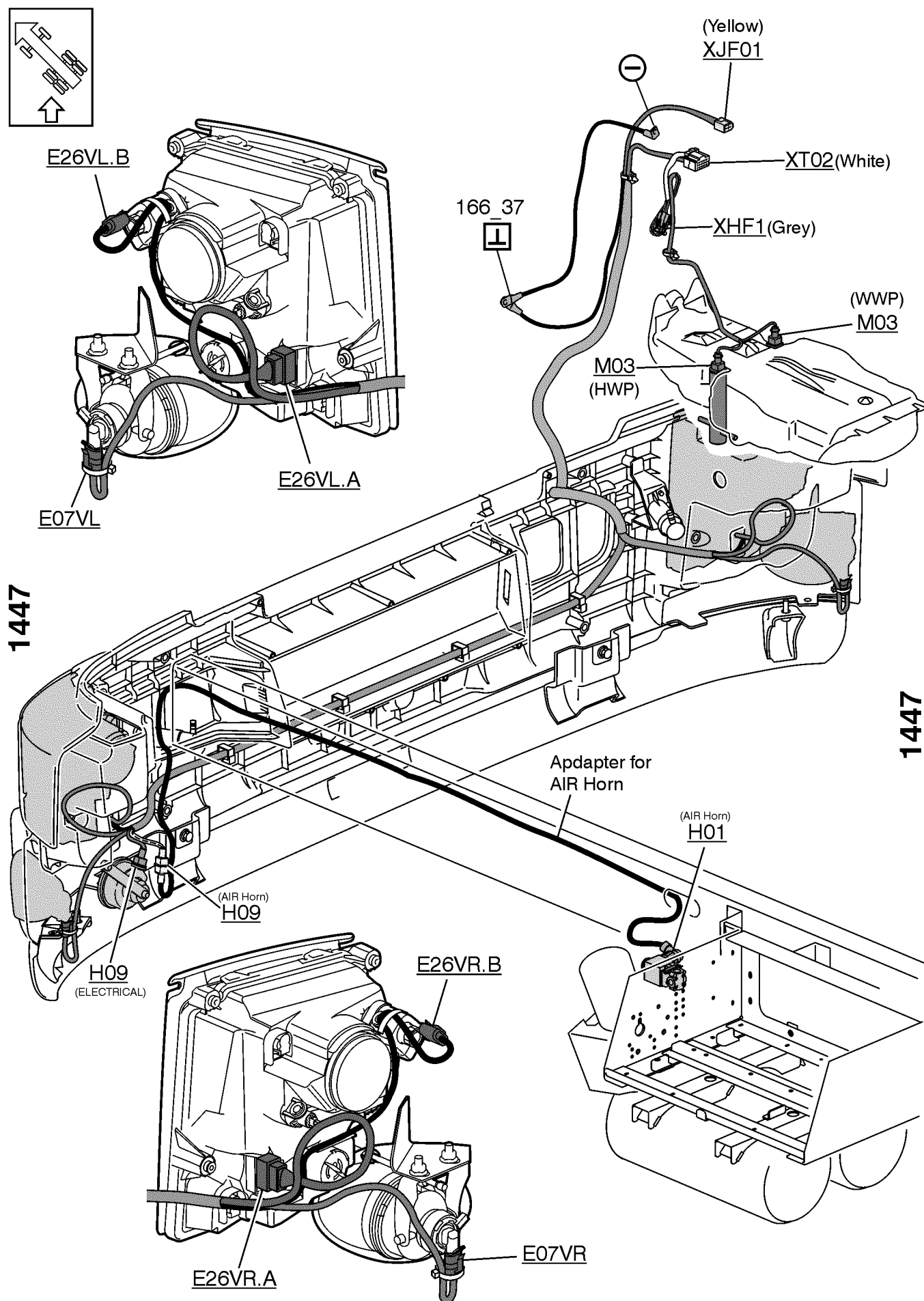
1083

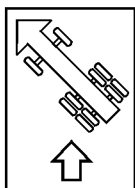
M09PS



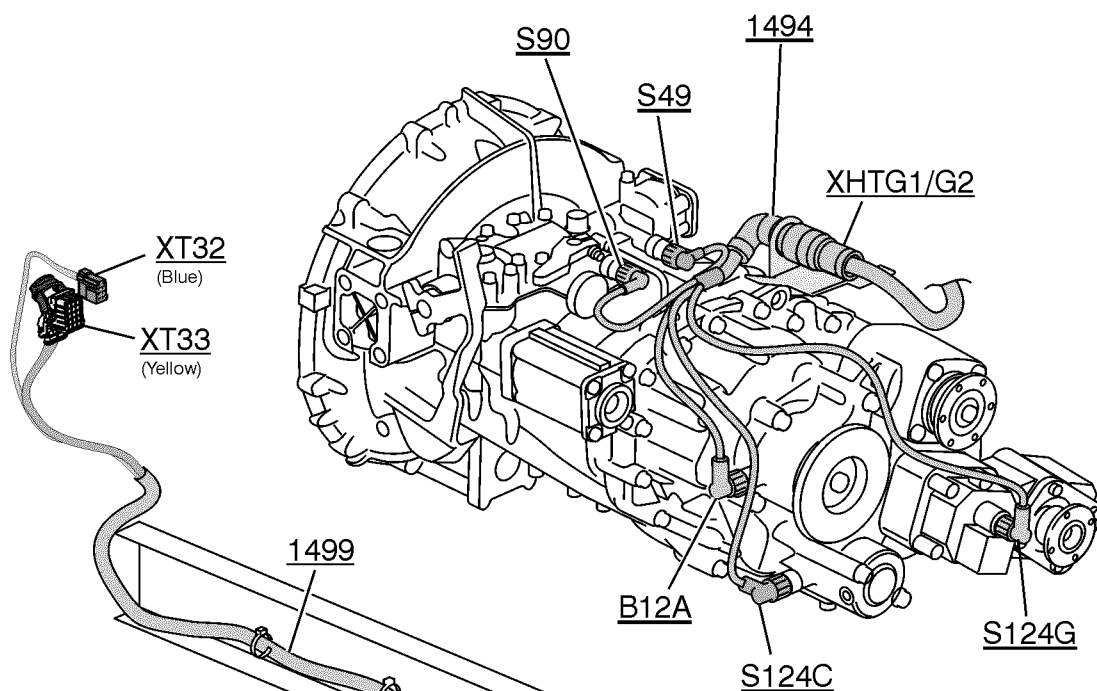
RHS Drawn LHS mirror mounted





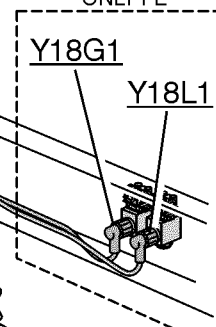


ZTO1006

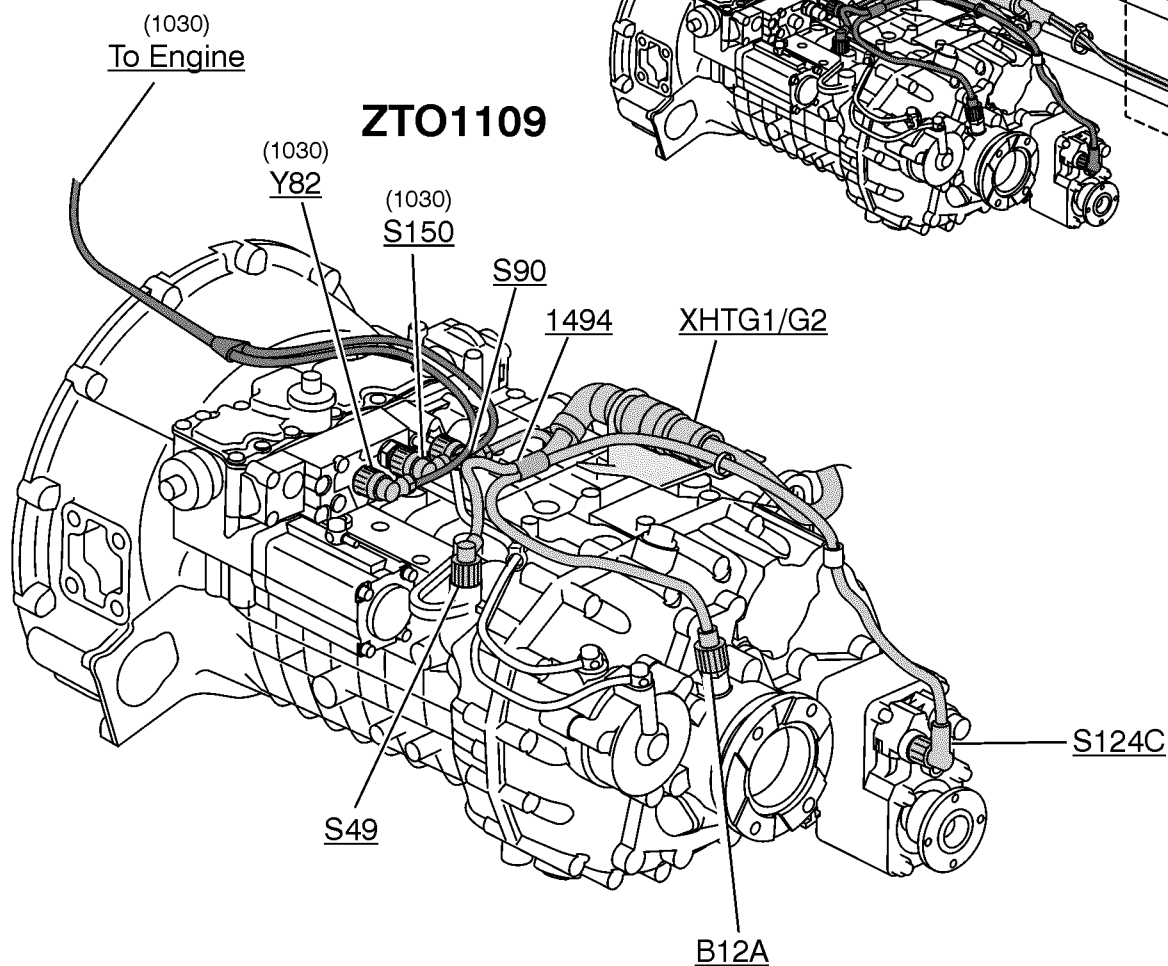


1494, 1499

ONLY FE

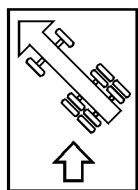


ZTO1109



1494, 1499

ATO1056



XT32
(Blue)
 XT33
(Yellow)

1499

1499



1494

1499

1494, 1499

A13A.A

A13A.B

B12A

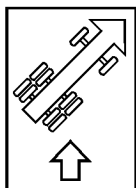
S124Z

S124K

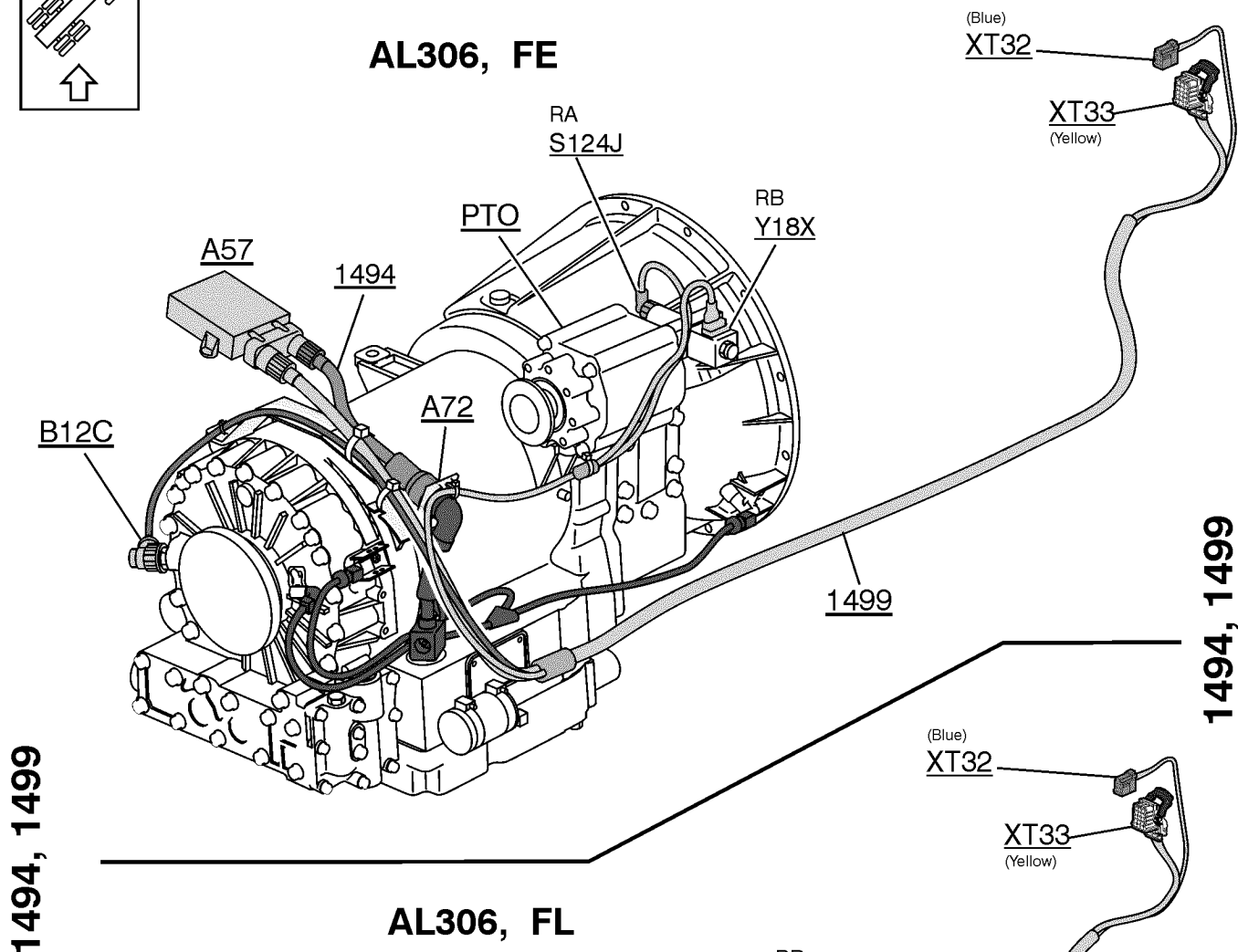
F98
(mounted inside
battery box)

XHBB2

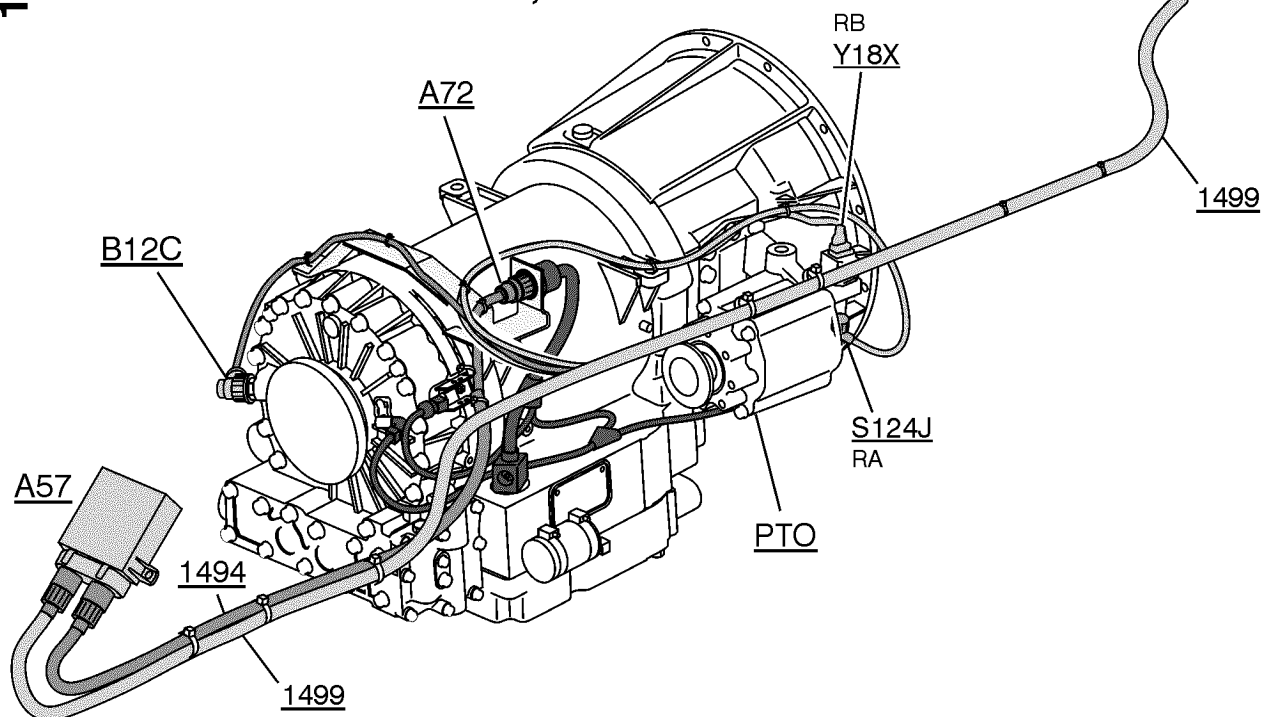
161_202

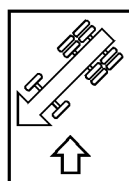


AL306, FE

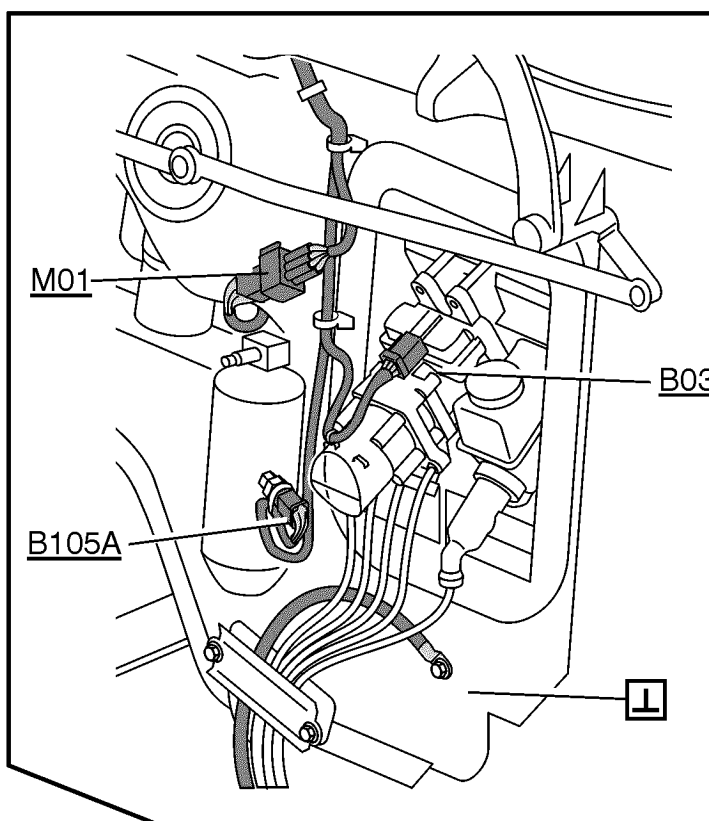
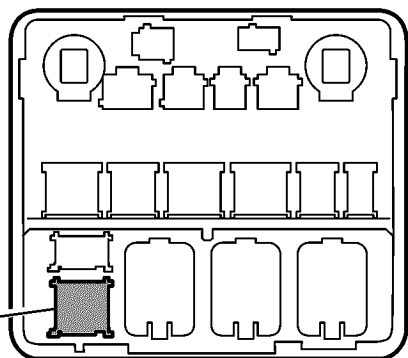


AL306, FL





XT62
(Blue)



1501

K14

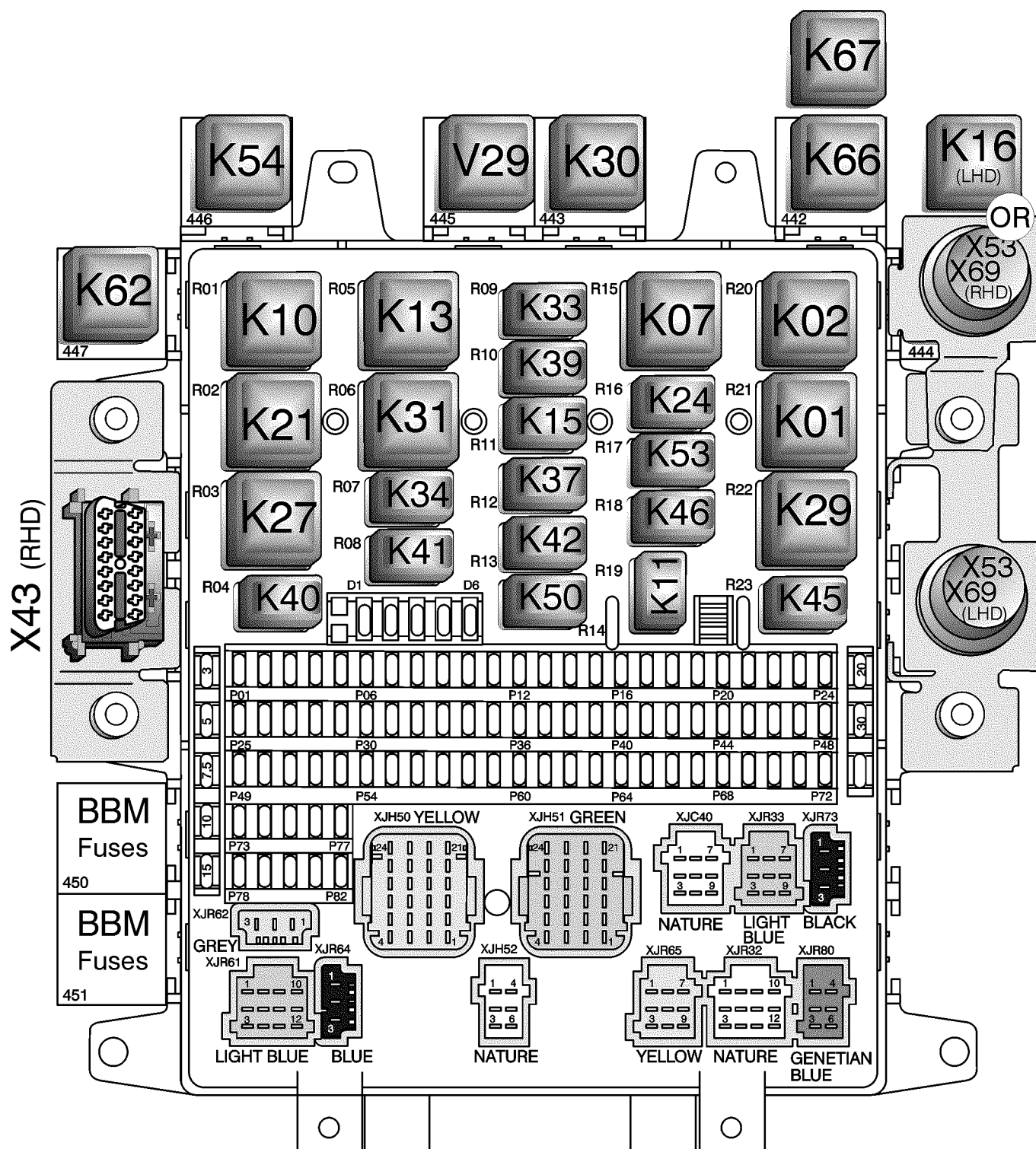
XT62

XT65

R15

1501

Fuses

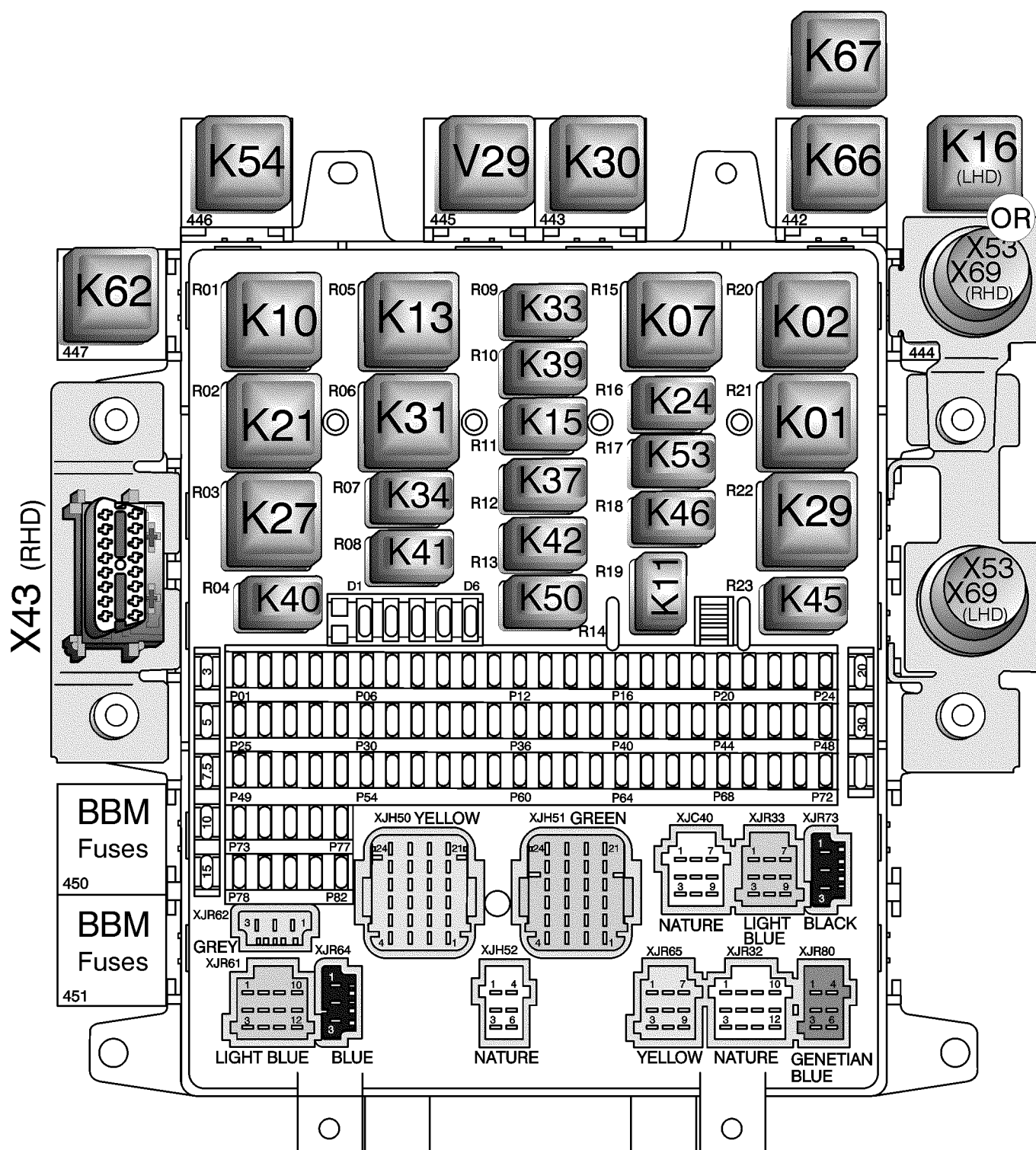


T3021087

F1	LCM, instrument cluster, parking heater, radio, alarm, central locking (battery box) .	(AA:0 C)	F29	FMS Gateway, gear selector ECU (pos. 75)	(AH:4 C)
F1 _ADR	LCM, instrument cluster, radio, central locking (battery box) .	(AE:3A	F30	LCM (pos. 17)	(GQ:1 B)
F1 _S	LCM, instrument cluster, parking heater, radio, alarm, central locking (battery box) .	(AA:0 C)	F31	Cab heater (pos. 57)	(HJ:1 A/ HJ1:2 A/ HY:3 B)
F2	Right rear window lift (pos. 42)	(AG:3 C)	F32	Customer gloves box (Body builder) (pos. 60)	(GA2:4 B)
F3	Cab tilt (pos. 74)	(AH:2 C)	F33	Not used (pos. 72)	(KA:2 B)
F4	Instrument cluster (pos. 20)	(BK:3 A)	F34	FMS Gateway (pos. 73)	(BT:1 B)
F5	Motor headlamp washer pump (pos. 35)	(GM:0 B)	F35	Not used (pos. 41)	(AG:4 C)
F6	Instrument cluster (pos. 29)	(AA:1 B/ AE:4 B)	F36	Hazard warning light, LCM (pos. 30)	(GQ:2 B)
F7	Vehicle ECU, tachograph (pos. 18)	(BA:1 B)	F37	Radio, voltage converter (pos. 63)	(AG:2 C)
F8	Instrument cluster, immobilizer, APM, alarm, central locking (pos. 79)	(AI:1 C)	F38	Interior light, instep light (pos. 24)	(GH3:1 A)
F9	BBM (pos. 19)	(ND:2 B)	F39	El. adjustable rear view mirrors (pos. 3)	(IF1:0 A)
F10	Climate unit, cab control temp (pos. 76)	(HY:0 B)	F40	EMS 1 (pos. 44)	(CU1:0 A)
F11	Not used (pos. 4)	(AI:1 C)	F41	EMS 2, single H (pos. 43)	(CU1:0 A)
F12	Automatic transmission (pos. 47)	(DO:2 A/ DQ1:0 A)	F42	Engine preheating relay (pos. 46)	(CU3:1 B)
F13	Windscreen wiper (pos. 38) .	(AI:0 C)	F43	24V customer plug (pos. 34)	(IR:4 A)
F14	Cigarette lighter (pos. 45)	(IA:3 B)	F46	Beacon warning light (pos. 61) ...	(GC2:4 A)
F15	Diagnostic plug (pos. 70)	(GF1:2 B)	F47	APM (pos. 68)	(FC:1 A)
F16	Differential lock, power take off (pos. 1)	(AJ:3 C)	F48	EBS (pos. 50)	(AH:1 C)
F17	Headlights, right front (pos. 37)	(GB1:1 C)	F49	Air suspension (pos. 16)	(FA:4 A/ FA1:4 A/ FA2:3 A)
F18	Horn (pos. 14)	(GQ1:2 A)	F52	Key switch, immobilizer (pos. 11)	(AB:0 A/ AE:0 B)
F19	Climate unit (pos. 51)	(HY:2 B)	F54	FMS connector (pos. 71)	(BT:2 A)
F20	Central locking, alarm, radio (pos. 54)	(AA:1 B/ AE:4 B)	F58	ADR/TRS, D+ short circuit relay (pos. 6)	(AE:2 B)
F21	Trailer connection, EBS (pos. 58)	(GF:1 A)	F59	FMS, reverse lighting (pos. 5)	(AI:3 C)
F22	Interior lamps (pos. 48)	(GH1:0 A/ GH2:1 A)	F61	Voltage converter DC/DC 24/12 (pos. 40)	(AG:0 C)
F23	Air suspension (pos. 2)	(AJ:2 C)	F63	Not used (pos. 65)	(AG:4 C)
F24	Fuel heater (pos. 26)	(AJ:1 C)	F64	Trailer connection (pos. 28)	(AJ:0 C)
F25	Chassis lighting, machine control (pos. 10)	(NB:4 A)	F66	Sun roof or left rear window lift (pos. 64)	(AG:3 C)
F26	Body builder (pos. 80)	(AI:4 C)	F67	Automatic transmission (pos. 25)	(AJ:2 C)
F27	Windows lift (pos. 66)	(AG:1 C)	F68	Voltage converter (pos. 78)	(IR:3 A)
F28	EBS (pos. 49)	(EM1:3 A)	F70	Trailer EBS (pos. 81)	(AI:0 C)
			F71	Body builder connector on cab (pos. 39)	(AI:4 C)
			F72	Headlights, left front, instrument cluster (pos. 36)	(GB1:2 C)

F75	El. heated seat, buzzer belt, BBM connector (pos. 32)	(AB:4 C/ AE:4 D)	F98	Gearbox ATO1056	(AA:1 B/ AC:1 C)
F76	Horameter (pos. 8)	(AB:3 C/ AE:3 D)	F100	Front fog lights, high beam (pos. 21)	(GB2:0 A)
F77	Body builder connector (pos. 69)	(NA:1 A)	F101	Rear fog lights (pos. 15)	(GB2:2 C)
F89	Tachograph (battery box)	(BM:1 A)	F102	Horn (pos. 62)	(GQ1:1 C)
F89	Tachograph,ADR (battery box) ... _ADR	(BM:2 A)	F103	Reverse lights (pos. 33)	(GD:1 A)
F89	Tachograph, sweeper (battery _S box)	(BM:1 A)	F104	Brake lights (pos. 13)	(GD:3 A)
F90	Stalk switch (pos. 12)	(GA1:3 A)	F105	Not used (pos. 31)	(AA:2 B/ AE:4 B)
F91	Parking light, left rear lights (pos. 56)	(GA1:0 C)	F106	Not used (pos. 27)	(AJ:0 C)
F92	Parking light, right rear lights (pos. 55)	(GA1:1 C)	F107	EMS Euro4 (pos. 59)	(CU1:0 A)
F93	Parking lighting trailer/body builder connector (pos. 52)	(GA1:3 C)	F108	Parking heater/Free (pos. 82)	(AA:1 B/ AE:3 B)
F94	Parking lighting trailer/body builder connector (pos. 53)	(GA1:3 C)	F109	NDS Euro4 (battery box)	(CU4:2 B)
F96	Parking light, dashboard lights (pos. 9)	(GA2:1 B)	F109	NDS Euro4, Sweeper (battery _S box)	(CU4:2 B)
F97	Parking light, customer gloves boxes (pos. 7)	(GA2:4 B)	FM5	Fuse group (battery box)	(AA:3 B/ AC:3 C)

Relays



T3021087

K1	Relay, starting switch, accessories (pos. 21)	(AG:0 B)	K34	Relay, interior parking lights (pos. 7)	(GA2:1 B)
K2	Relay, EMS (Engine Management System), tachograph (pos. 20) ...	(BA:1 A)	K37	Relay, parking light (pos. 12)	(GA1:2 C)
K7	Relay, intermittent wiper (pos. 15)	(GM:2 C)	K39	Relay, alternator shut down (pos. 10)	(AE:1 D)
K10	Relay, power supply kl.15 (pos. 1)	(AH:0 A)	K40	Relay, heated adjustable mirror (pos. 4)	(IF1:2 B)
K11	Relay, air suspension (pos. 19) ..	(FA:4 B/ FA1:4 B/ FA2:3 B)	K41	Relay, reverse light (pos. 8)	(GD:1 B)
K13	Relay, alternator controlled (pos. 5)	(AB:3 D/ AE:2 D)	K42	Relay, brake light (pos. 13)	(GD:3 B)
K14	Relay, windscreen heater	(IF1:4 B)	K45	Relay, front fog light (pos. 23)	(GB2:1 B)
K15	Relay, park break trigger (pos. 11)	(KA:1 C)	K46	Relay, rear fog light (pos. 18)	(GB2:3 B)
K16	Relay, body builder machine on ..	(NB:3 C)	K48	Power relay, engine preheating (engine)	(CU3:1 C)
K21	Relay, power supply kl.15 (pos. 2)	(AI:0 B)	K50	Relay, horn (pos. 14)	(GQ1:1 C)
K24	Relay, automatic transmission (pos. 16)	(DQ1:1 B)	K51	Power relay, battery main switch (battery box)	(AA:1 C)
K27	Relay, power supply kl.15 (pos. 3)	(AJ:0 B)	K51	Power relay, battery main switch B (battery box)	(AA:1 C)
K29	Relay, accessories (pos. 22)	(AG:3 B)	K51	Power relay, battery main switch _S (battery box)	(AA:2 D)
K30	Relay, beacon warning light (pos. 443)	(GC2:3 C)	K53	Relay, starter control (pos. 17) ...	(CU3:0 B)
K31	Relay, parking lighting trailer/body builder connector (pos. 6)	(GA1:4 C)	K54	Relay, motor headlamp washer pump (pos. 446)	(GM:0 C)
K33	Relay, high beam headlight (pos. 9)	(GB1:3 C)	K62	Relay, lighting 4 doors cab	(GH3:2 C)
			K66	Relay, rear door motor control _67	(IM:2 C)
			K66	Relay, rear door motor control _67	(IM:1 D)

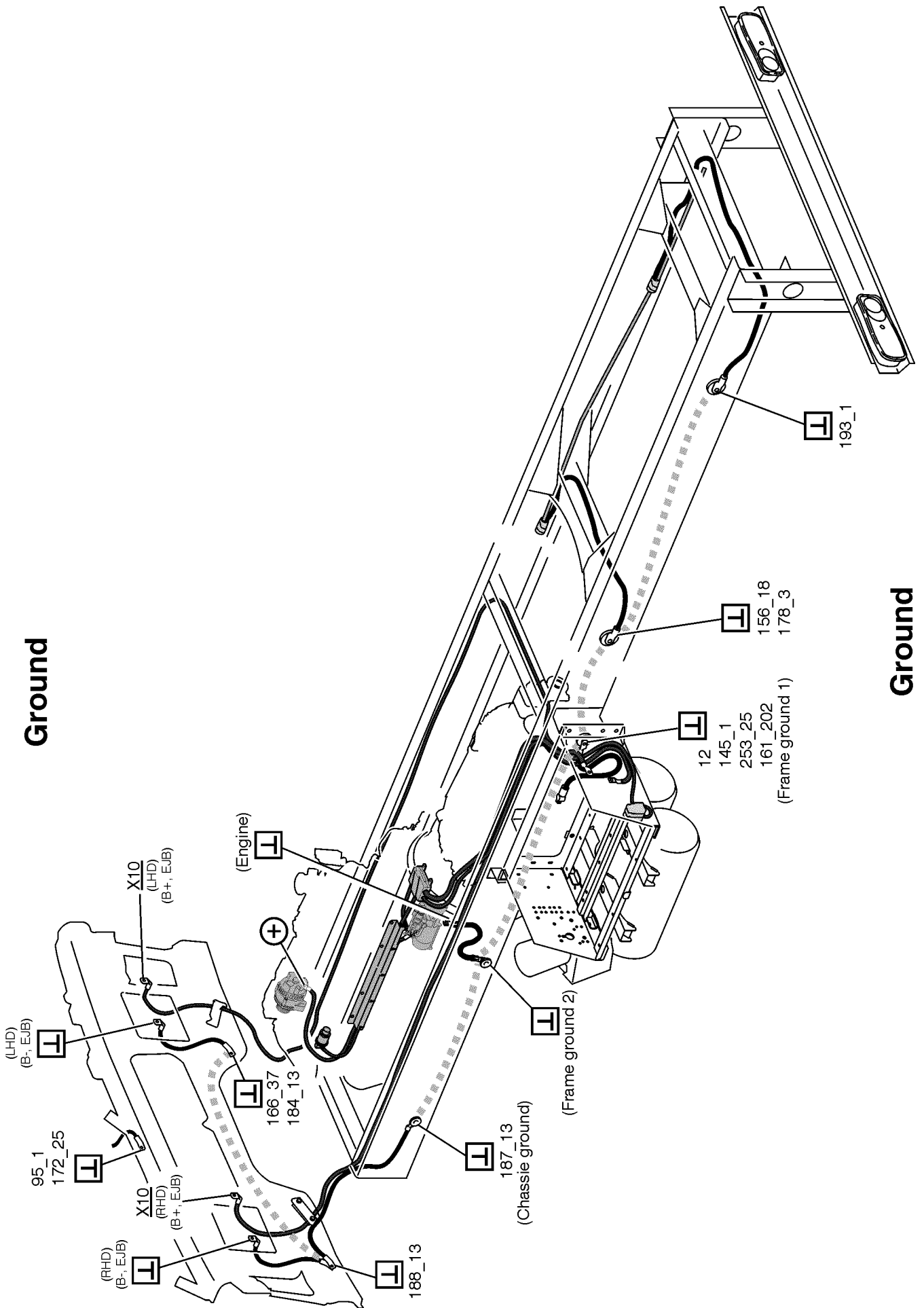
Wiring harness illustration index

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1057	Wiring harness, chassis	page 107
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1447	Wiring harness, bumpers	page 118
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1499	Wiring harness, cab-gearbox	page 119
1501	Wiring harness, upper front	page 122

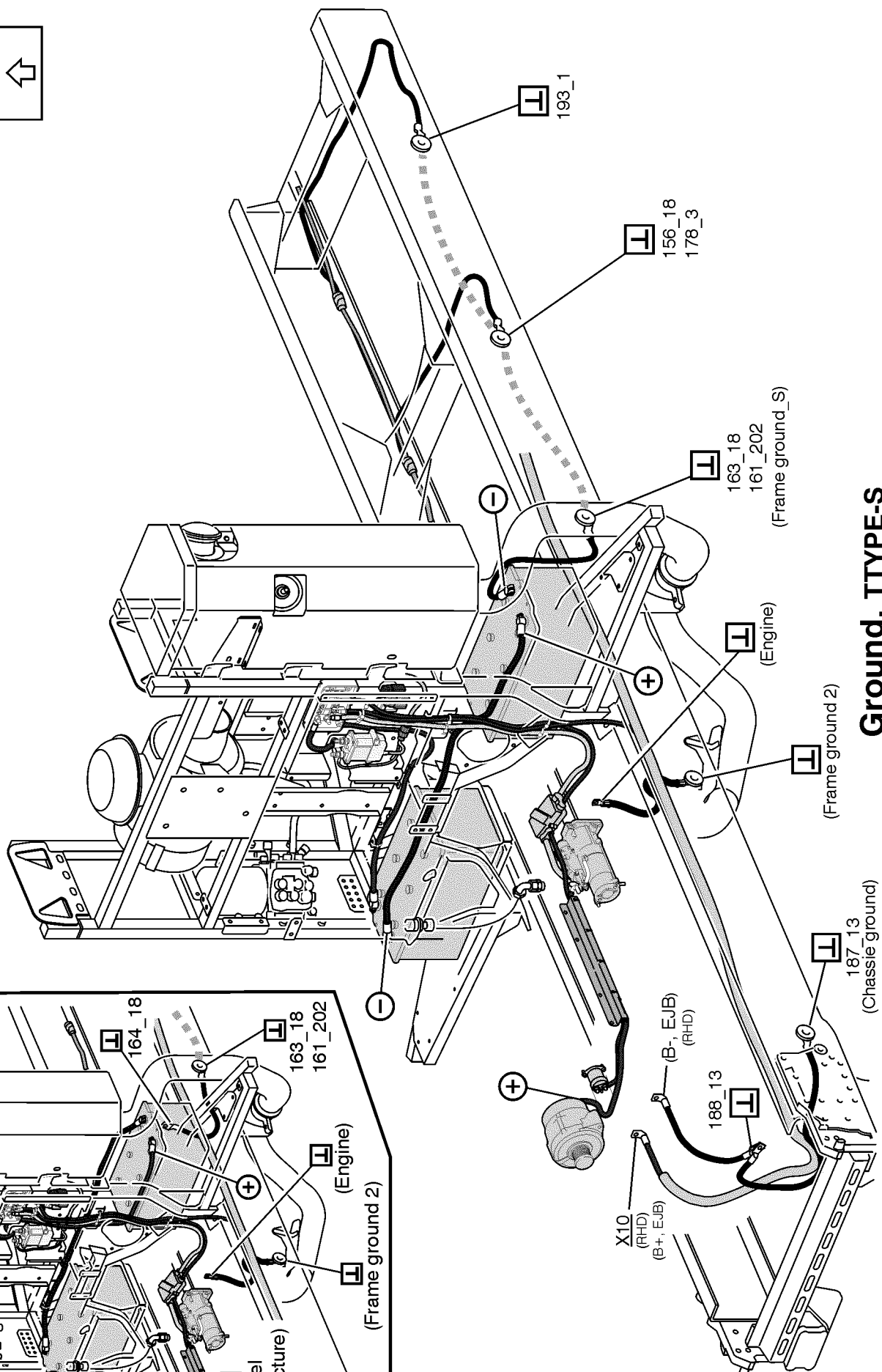
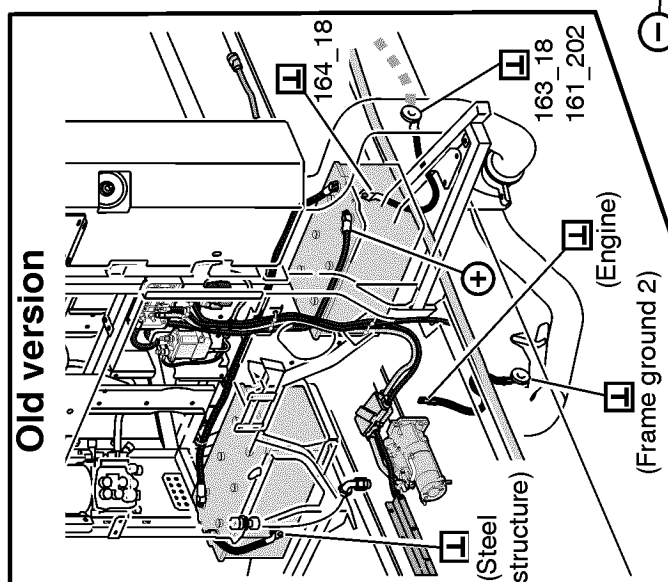




Ground connections



Ground, TTYPE-S



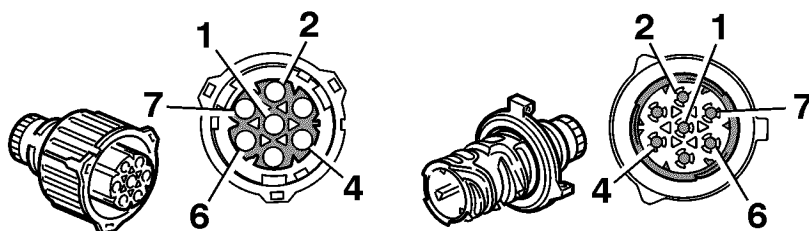
Ground, TTYPE-S

List of ground connections

12	(AA:1 E) (Battery box, frame ground 1)	161_1	(GD:3 C) (EJB)	196_1	(EM1:3 B) (EJB)
21_1	(AB:3 D) (EJB)	161_202	(DO:0 E) (Battery box, frame ground 1)	199_10	(CU1:1 D) (EJB)
21_1	(AJ:0 B) (EJB)	163_1	(IR:4 E) (EJB)	199_69	(HJ1:3 E) (EJB)
25_1	(BA:1 D) (EJB)	163_2	(IQ1:3 A) (EJB)	203_25	(DU:3 C) (EJB)
26_1	(BA:2 C) (EJB)	163_18	(AA:2 E) (frame ground, TTYPE-S)	203_5	(HJ:1 C) (EJB)
39_1	(AG:2 B) (EJB)	164_2	(IQ1:2 A) (EJB)	210_1	(KA:1 D) (EJB)
40_1	(AG:0 B) (EJB)	164_18	(AA:2 E) (steel structure ground TTYPE-S)	211_3	(NA:1 B) (EJB)
41_1	(AH:0 B) (EJB)	165_1	(IR:1 B) (EJB)	212_6	(DQ1:1 B) (EJB)
42_1	(AI:0 B) (EJB)	166_2	(GH3:1 D) (EJB)	213_5	(HJ:3 E) (EJB)
59_1	(AB:1 B) (EJB)	166_37	(GC1:1 E) (cab ground 2)	213_70	(GC2:4 C) (EJB)
64_1	(GM:2 E) (EJB)	167_505	(IR1:3 B) (EJB)	217_25	(FA:2 D) (EJB)
81_1	(GA1:2 C) (EJB)	168_7	(GC2:2 E) (EJB)	218_69	(ND:1 B) (EJB)
82_1	(GA2:1 B) (EJB)	169_57	(IR:4 B) (EJB)	219_69	(NA:4 B) (EJB)
84_1	(GB1:3 D) (EJB)	172_25	(IF1:3 B) (front under windscreen)	221_39	(IM:1 B) (EJB)
85_1	(GB2:1 C) (EJB)	174_6	(BK:1 E) (EJB)	222_6	(NB:0 B) (EJB)
86_1	(GB2:3 C) (EJB)	175_51	(CU3:4 E)	223_25	(GQ:1 C) (EJB)
87_1	(IA:3 D) (EJB)	176_1	(IA:1 E) (EJB)	225_69	(ND:3 B) (EJB)
95_1	(IF1:4 D) (front under windscreen)	178_3	(BK:3 E) (left frame back battery box)	226_6	(GM:0 D) (EJB)
96_1	(IF1:3 E) (EJB)	178_6	(GM:3 C) (EJB)	227_25	(AE:2 D) (EJB)
116_1	(FC:1 E) (EJB)	179_3	(BK:4 D) (EJB)	228_25	(BT:0 B) (EJB)
122_1	(GA1:4 C) (EJB)	179_4	(CU4:0 B) (EJB)	233_6	(AA:2 B) (EJB)
126_1	(GC2:3 E) (EJB)	184_13	(AA:3 E) (cab ground 2)	234_8	(BM:2 D) (EJB)
128_1	(GA2:4 D) (EJB)	184_25	(HY:2 C) (EJB)	235_25	(IU:3 D) (EJB)
136_1	(GQ:0 C) (EJB)	185_19	(DQ:1 E) (EJB)	238_4	(GH3:2 D) (EJB)
137_1	(GQ:3 C) (EJB)	187_13	(AA:4 E) (chassie ground)	243_25	(EM2:2 B) (EJB)
144_1	(GD:1 D) (EJB)	187_28	(GQ1:1 C) (EJB)	245_6	(GH1:0 E) (EJB)
145_1	(GC2:1 C) (Battery box, frame ground 1)	188_13	(AA:4 E) (cab ground)	253_25	(AC:0 D) (Battery box, frame ground 1)
149_1	(IR:1 B) (EJB)	188_6	(DQ1:1 C) (EJB)	257_25	(AE:1 E) (EJB)
155_18	(CU3:3 E)	189_6	(DQ1:0 E) (EJB)	258_25	(AE:2 D) (EJB)
156_1	(IM:3 E) (EJB)	193_1	(GF:1 D) (left side end of frame)	265_25	(KA:3 D) (EJB)
156_18	(GC3:2 D) (left side end of frame)	194_25	(BA:0 E) (EJB)	269_25	(AB:3 D) (EJB)
157_1	(IM:4 D) (EJB)	195_4	(AC:2 B) (EJB)	271_25	(IU:2 B) (EJB)
159_1	(FA1:0 B) (EJB)			296_57	(DO:1 B) (EJB)
159_1	(FA2:0 B) (EJB)			298_57	(DO:1 B) (EJB)
				299_6	(GH2:1 E) (EJB)

List of connectors

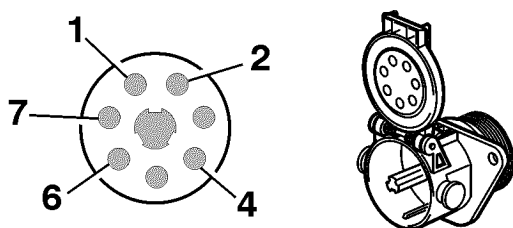
PB3



T3020295

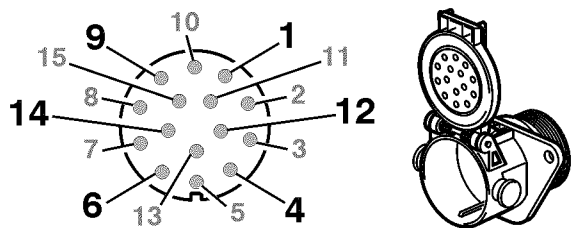
Pin no:	Circuit function	Wiring no:	Diagram
1	Coded line alarm trailer connection freight	0403	NC:2 C
2	Power supply kl. 30	208	NC:1 C
3	Rear left marker	632	NC:1 C
4	Ground	1	NC:0 C
5	Rear right marker	634	NC:1 C
6	Power supply kl. 15	275	NC:1 C
7	Ground	1	NC:2 C

X02



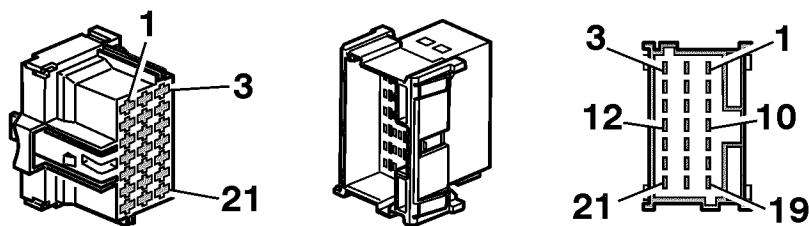
T3019932

Pin no:	Circuit function	Wiring no:	Diagram
1	Power supply kl. 30	522	GF:1 C
2	Power supply kl. 15	211	GF:1 C
3	Ground	1	GF:1 C
4	Ground	1	GF:1 C
5	ABS trailer state	352	GF:1 C
6	Trailer CAN bus: H line	0045	GF:1 C
7	Trailer CAN bus: L line	0046	GF:1 C

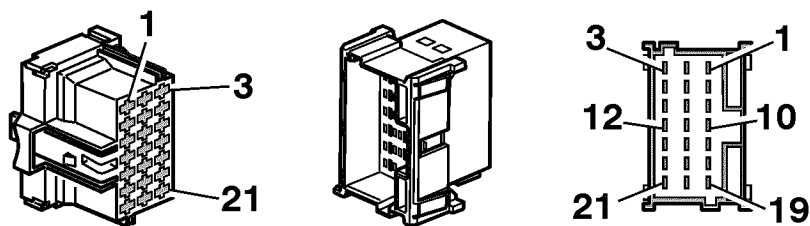
X03

T3010033

Pin no:	Circuit function	Wiring no:	Diagram
1	Trailer turn left indicator	39	GF:3 C
2	Trailer turn right indicator	30	GF:3 C
3	Rear fog lights power supply	307	GF:3 C
4	Ground	1	GF:3 C
5	Rear left marker	632	GF:3 C
6	Rear right marker	634	GF:3 C
7	Brake lights power supply	3	GF:3 C
8	Reverse lights ON-OFF, and power supply	608	GF:3 C
9	Power supply kl.15	606	GF:3 C
13	Coded line alarm trailer connection freight	0403	GF:3 C
14	Chassis lighting or valve lighting	618	GF:3 C

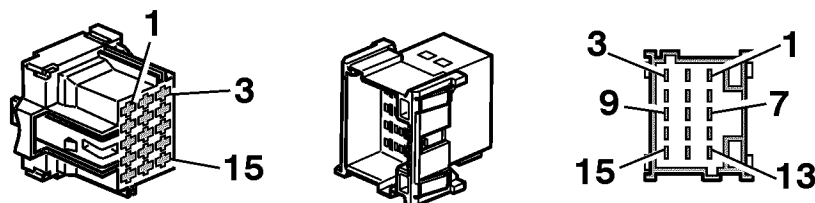
XACC11 (PB1)

Pin no:	Circuit function	Wiring no:	Diagram
1	Ground	1	NA:4 C
2	Power supply kl. 15	2234	NA:3 C
3	Power supply (alternator information, engine running)	4306	NA:3 C
4	PTO 1 request on chassis	1140	NA:2 C
5	Reverse lights ON-OFF, and power supply	608	NA:0 C
6	Parking brake engaged	8118	NA:3 C
7	PTO 1 ON information	8169	NA:0 C
8	Engine speed control request from chassis	8067	NA:2 C
9	Engine speed "W" alternator termination	7	NA:4 C
10	PTO 1 valve	8093	NA:4 C
11	Switch engine speed 1	1026	NA:1 C
12	Neutral gear box information	12	NA:3 C
13	Engine speed control decrease	8119	NA:2 C
14	Switch engine speed 2	1141	NA:1 C
15	Tachograph speed pulse to fleet management	5108	NA:4 C
16	Engine speed control increase	8120	NA:2 C
17	Engine stop request from chassis	8110	NA:4 C
18	Vehicle speed trigger output	1025	NA:0 C
19	Return to normal speed	8121	NA:2 C
20	Power supply kl. 30	208	NA:1 C
21	Ground	1	NA:1 C

XACC12 (PB2)

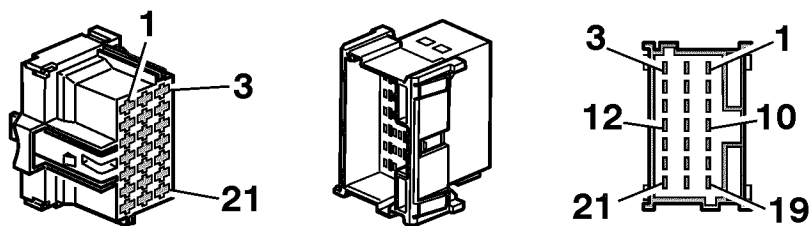
T3019799

Pin no:	Circuit function	Wiring no:	Diagram
3	Chassis/equipment	8116	NB:2 C
4	Bodybuilder predisposition switch	0460	NB:0 C
5	RSL 2 (speed limit)	8020	NB:1 C
6	Machine on	8083	NB:3 C
7	Bodybuilder predisposition switch	0461	NB:0 C
8	Emergency switch	5074	NB:1 C
9	Chassis lighting or valve lighting	618	NB:3 C
11	RSL 3 (speed limit)	8095	NB:1 C
12	Machine working position	651	NB:2 C
14	Inhibit vehicle immobilization	8227	NB:2 C
15	-	-	NB:2 C
16	Air suspension inhibit regulation	8137	NB:0 C
17	Body builder level chassis control	8138	NB:0 C
18	Auxiliary pump feedback	89	NB:2 C

XACC13 (PB4)

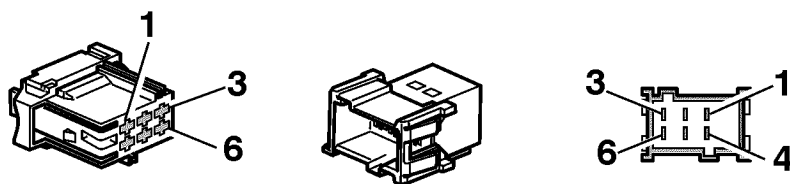
T3019800

Pin no:	Circuit function	Wiring no:	Diagram
1	Bus J1587-1 Diagnostic Line (B-)	0011	ND:1 C
2	Power supply after relay K2	2125	ND:2 C
4	Bus J1587-1 Diagnostic Line (A+)	0010	ND:1 C
5	PTO 2 request	8113	ND:2 C
6	PTO 3 request	8112	ND:3 C
7	Ground	1	ND:1 C
8	PTO 2 feedback	8134	ND:2 C
9	PTO 3 feedback	158	ND:3 C
10	J1939 CAN-1 Bus high	0012	ND:1 C
11	PTO 2 valve control	8161	ND:2 C
12	PTO 3 valve	8115	ND:4 C
13	J1939 CAN-1 Bus Low	0013	ND:1 C
14	Ground	1	ND:3 C

XACC15 (PB5)

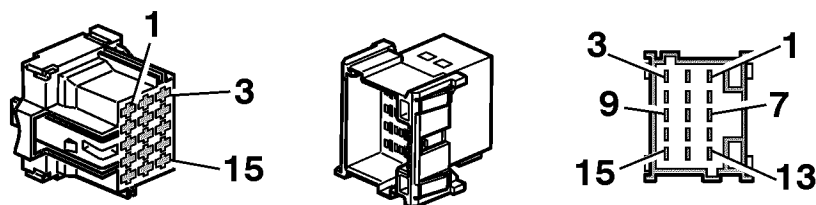
T3019799

Pin no:	Circuit function	Wiring no:	Diagram
1	PTO 3 request	8112	NE:3 C
2	PTO 2 request	8113	NE:2 C
3	Engine start	8100	NE:0 C
4	PTO 3 feedback	158	NE:3 C
5	PTO 2 feedback	8134	NE:2 C
6	Engine start allowed	8108	NE:0 C
7	PTO 3 valve	8115	NE:4 C
8	PTO 2 valve	8161	NE:3 C
9	Engine warning / faults or others function	8104	NE:0 C
10	PWM programmable output	8170	NE:2 C
11	Free output 1	8122	NE:1 C
12	Free output 2	8123	NE:1 C
14	Input free (-) for logical function	8132	NE:1 C
15	Input free (+) for logical function	8131	NE:1 C
16	Engine speed control PWM signal	0384	NE:3 C
17	Enable PWM input control	8136	NE:4 C
18	Enable CAN control	8133	NE:4 C
20	Can low for body builder	0413	NE:2 C
21	Can high for body builder	0414	NE:2 C

XACC17

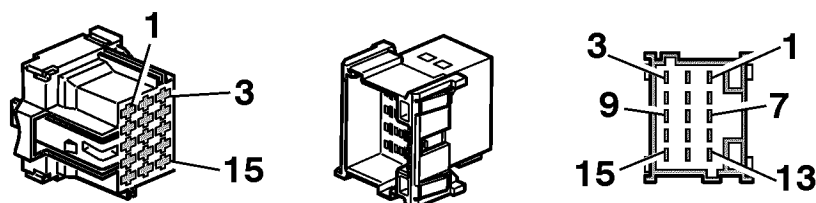
T3019918

Pin no:	Circuit function	Wiring no:	Diagram
2	Low range transfer box request	8124	IO:2 B
3	Low range transfer box control	8125	IO:1 B

XACD61

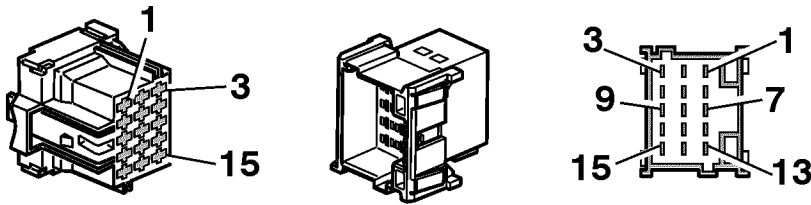
T3019800

Pin no:	Circuit function	Wiring no:	Diagram
1	Power supply kl. 30	45	GH1:3 B
2	Ground	1	IF1:3 E
3	Adjustable mirror motors control	432	IF1:2 D/IF2:1B
4	Passenger window lift control	470	IQ:2 C
5	Heated mirror power supply. Windscreen heater relay control	4	IF1:2 C/IF2:2 C
6	Heated mirror request	386	IF1:0 C
8	Power supply kl. 15	215	IF1:0 B
9	Front door switch control/instep lights control	119/4322	GH1:3 C
11	Adjustable mirror motor control	428	IF1:2 C/IF2:2 C
12	Dashboard illumination power supply	64	IF1:1 B
13	Power supply kl. 15	2232	IQ:3 B
14	Adjustable mirror motor control	430	IF1:2 E/IF2:2 C
15	Passenger window lift control	469	IQ:2 C

XACD62

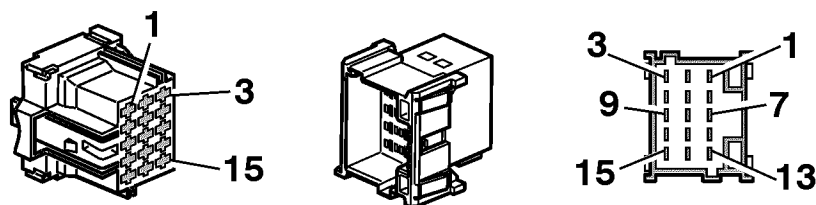
T3019800

Pin no:	Circuit function	Wiring no:	Diagram
1	Power supply kl. 30	45	GH1:3 B
2	Ground	1	IF1:3 D
3	Adjustable mirror motors control	432	IF1:2 D/IF2:2 B
4	Passenger window lift control	470	IQ:2 C
5	Heated mirror power supply. Windscreen heater relay control	4	IF1:2 D/IF2:2 B
7	Outside temperature sensor (-)	710	BK:0 D
8	Outside temperature sensor (+)	709	BK:1 D
9	Front door switch control/instep lights control	119/4322	GH1:3 C
11	Adjustable mirror motor control	428	IF1:2 D/IF2:2 C
12	Dashboard illumination power supply	64	IF1:1 B
14	Adjustable mirror motor control	430	IF1:2 E/IF2:2 C
15	Passenger window lift control	469	IQ:2 C

XACH01

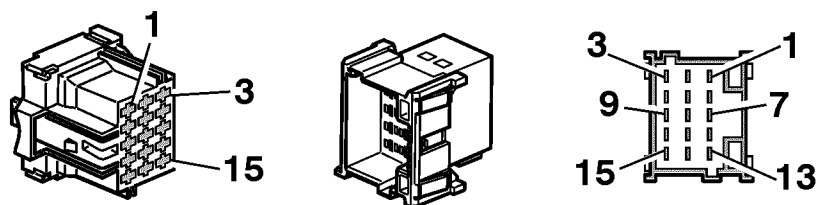
T3019800

Pin no:	Circuit function	Wiring no:	Diagram
1	Tachograph speed pulse	59	BM:3 C
2	Radio left loudspeaker (-)	444	IU:2 C/IU1:2 B
3	Radio left loudspeaker (+)	451	IU:2 C/IU1:2 B
4	BUS J1939 CAN 2 (+)	0411	XC:0 C
5	Radio right loudspeaker (+)	447	IU:3 C/IU1:3 B
6	BUS J1939 CAN 2 (+)	0411	XC:0 C
7	BUS J1939 CAN 2 (-)	0412	XC:0 C
8	Radio right loudspeaker (-)	448	IU:3 C/IU1:3 B
9	BUS J1939 CAN 2 (-)	0412	XC:0 C
10	Tachograph speed pulse to fleet management	5108	BM:3 C
11	Indicator signal to LCM	0375	IM:2 B
12	Door sensor signal	1159	IM:1 C
13	Tachograph serial data to fleet management	0405	BM:4 C
14	Tachograph speed pulse to fleet management	5108	BM:3 C
15	Passenger door lock	4313	IM:2 C

XACH02

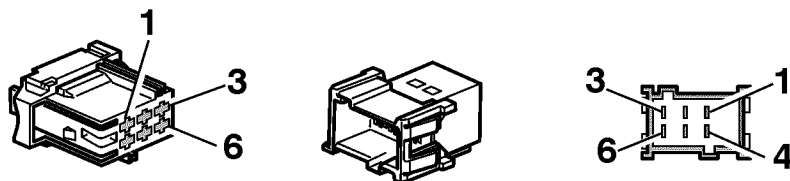
T3019800

Pin no:	Circuit function	Wiring no:	Diagram
1	CD data in	4323	IU:2 D
2	Micro ground	20	IU1:1 B
3	Micro power supply	11	IU1:1 B
4	CD data out	4324	IU:2 D
5	Rear interior lighting (4 doors cab) control	1021	GH3:2 C
7	Power supply kl. 30	666	GH3:1 B
8	CD on	4325	IU:2 D
9	Beacon warning lamps relay control	322	GC2:4 B
10	CD AF-GND	4326	IU:3 D
11	CD AF-in left	4327	IU:3 D
12	Alarm siren power supply	2303	IN:3 D
13	CD AF-in right	4328	IU:3 D
14	Passenger door lock/unlock motor control	4314	IM:2 C
15	Burglar alarm control	0039	IN:3 D

XACR01

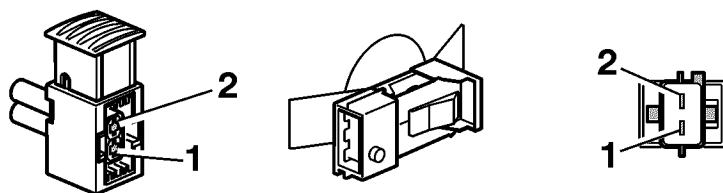
T3019800

Pin no:	Circuit function	Wiring no:	Diagram
1	Power supply kl. 15	2231	IQ1:1 B
2	Ground	1	IQ1:1 B
3	Dashboard illumination power supply	64	IQ1:2 D
4	Power supply kl. 15	456	IQ1:3 B
5	Ground	1	IQ1:3 B
6	Power supply kl. 30	666	GH3:3 A
7	Rear interior lighting (4 doors cab) control	1021	GH3:3 C
8	Rear door switch control	1020	GH3:2 D
9	Rear door lock/unlock motor control	4311	IM:2 D
10	Rear door lock	4312	IM:3 D

XACR14

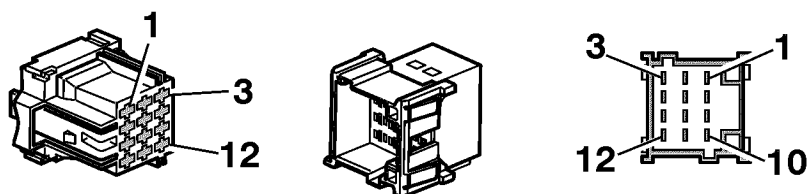
T3019918

Pin no:	Circuit function	Wiring no:	Diagram
4	Heating temperature adjustment	4002	HJ:1 D/HJ1:1 D
5	Heating temperature adjustment	4004	HJ:1 D/HJ1:1 C

XACR15

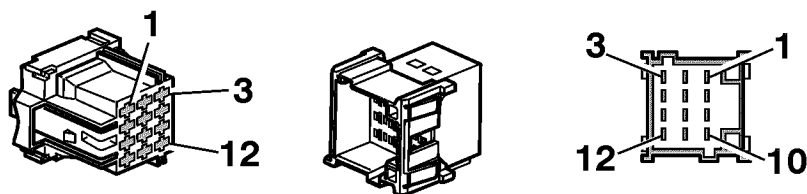
T3019920

Pin no:	Circuit function	Wiring no:	Diagram
1	Ground	1	IR:4 D
2	Power supply kl. 30	2302	IR:4 C

XADH01

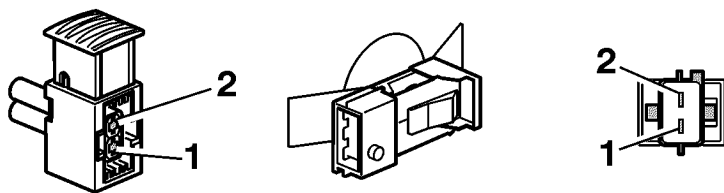
T3019901

Pin no:	Circuit function	Wiring no:	Diagram
1	Driver door lock/unlock motor control	4316	IM:0 D
5	Driver door lock/unlock motor control	4317	IM:0 D
9	Driver door unlock indication	4318	IM:0 D

XADH02

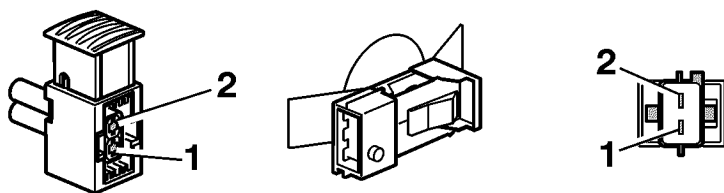
T3019901

Pin no:	Circuit function	Wiring no:	Diagram
1	Passenger door lock/unlock motor control	4313	IM:1 D
5	Passenger door lock/unlock motor control	4314	IM:1 D
9	Passenger door unlock indication	4315	IM:1 D

XAHH1

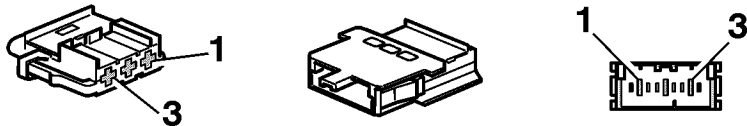
T3019920

Pin no:	Circuit function	Wiring no:	Diagram
1	Ground	1	GC2:3 E
2	Beacon warnings lamps power supply	323	GC2:3 D

XAHH2

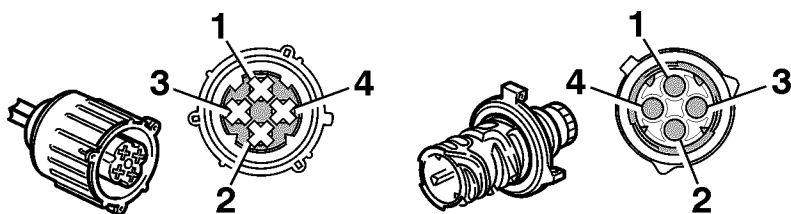
T3019920

Pin no:	Circuit function	Wiring no:	Diagram
1	Ground	1	GC2:4 E
2	Beacon warnings lamps power supply	323	GC2:4 D

XAHH4

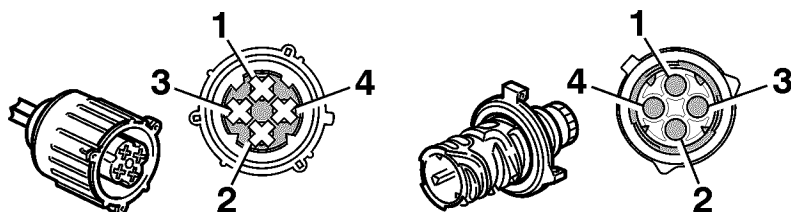
T3019921

Pin no:	Circuit function	Wiring no:	Diagram
1	Power supply kl. 30	666	GH3:1 B
2	Rear interior lighting (4 doors cab) control	1021	GH3:1 C
3	Ground	1	GH3:1 D

XAHR1

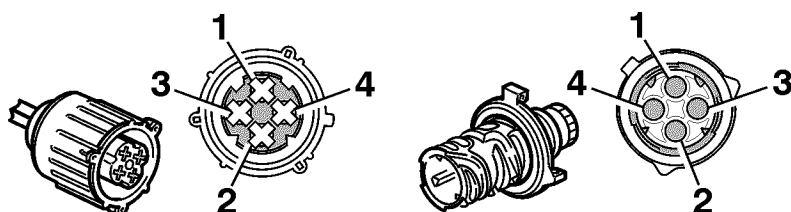
T3019922

Pin no:	Circuit function	Wiring no:	Diagram
1	Beacon warnings lamps power supply	323	GC2:3 D
2	Beacon warnings lamps power supply	323	GC2:3 D
3	Ground	1	GC2:3 D
4	Ground	1	GC2:3 D

XAHR3

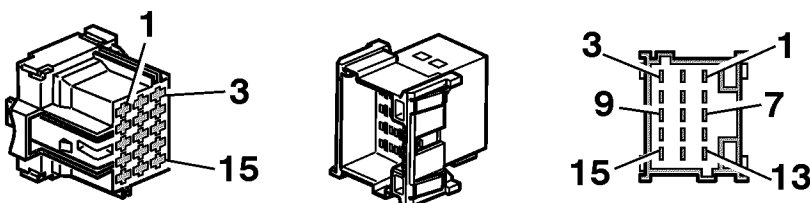
T3019922

Pin no:	Circuit function	Wiring no:	Diagram
1	Beacon warnings lamps power supply	323	GC2:3 D
2	Ground	1	GC2:3 D

XAHR4

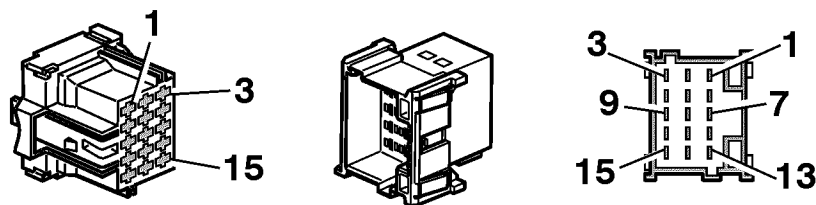
T3019922

Pin no:	Circuit function	Wiring no:	Diagram
1	Beacon warnings lamps power supply	323	GC2:4 D
2	Ground	1	GC2:4 D

XARD01

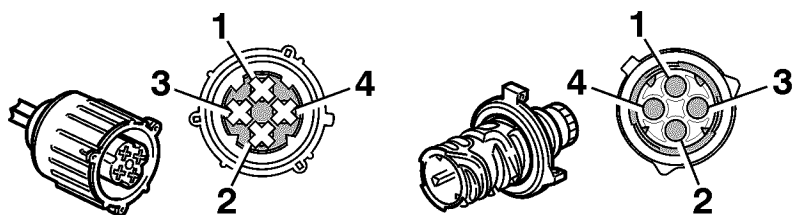
T3019800

Pin no:	Circuit function	Wiring no:	Diagram
1	Power supply kl. 30	666	GH3:4 A
2	Rear interior lighting (4 doors cab) control	1021	GH3:4 C
3	Ground	1	IQ1:3 B
4	Power supply kl. 15	456	IQ1:3 B
5	Dashboard illumination power supply	64	IQ1:3 D
6	Rear door lock/unlock motor control	4311	IM:2 D
7	Rear door lock	4312	IM:3 D

XARD02

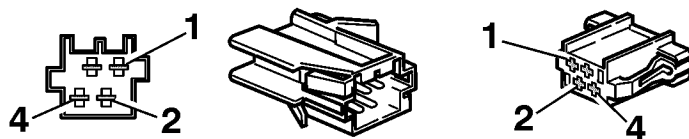
T3019800

Pin no:	Circuit function	Wiring no:	Diagram
1	Power supply kl. 30	666	GH3:3 A
2	Rear interior lighting (4 doors cab) control	1021	GH3:3 C
3	Ground	1	IQ1:1 B
4	Power supply kl. 15	2231	IQ1:1 B
5	Dashboard illumination power supply	64	IQ1:1 D
6	Rear door lock/unlock motor control	4311	IM:2 D
7	Rear door lock	4312	IM:3 D

XHBB1

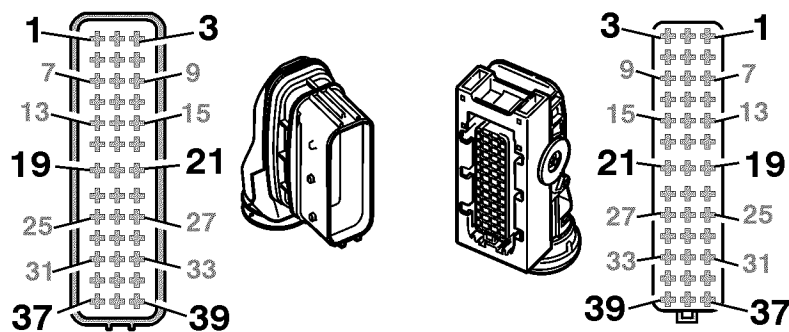
T3019822

Pin no:	Circuit function	Wiring no:	Diagram
1	Power supply kl. 30	2223	AA:0 B
2	Direct battery	203	BM:1 A
3	Direct battery	2328	CU4:2 C

XHF1

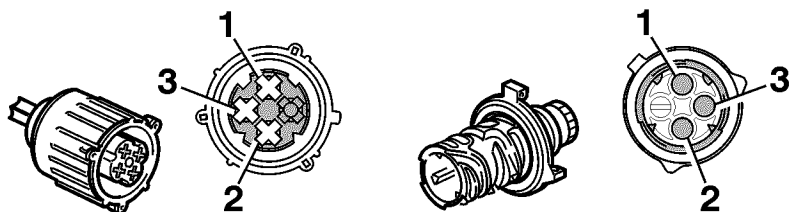
T3019923

Pin no:	Circuit function	Wiring no:	Diagram
1	Windscreen washer pump supply and headlamp washer pump request	506	GM:0 D
2	Ground	1	GM:0 E
3	Power supply headlamp washer pump	5094	GM:0 D
4	Windscreen washer pump supply and headlamp washer pump request	506	GM:0 D

XHFE2

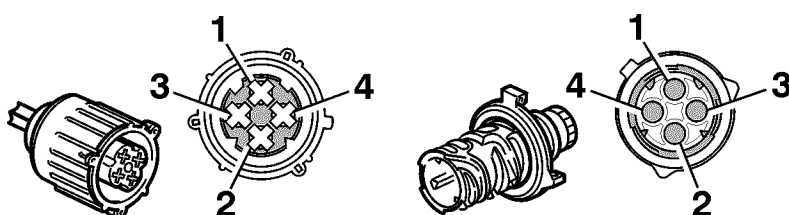
T3019024

Pin no:	Circuit function	Wiring no:	Diagram
1	J1939 CAN-1 Bus high	0012	CU1:1 B
2	Bus J1587-1 Diagnostic Line (A+)	0010	CU2:0 B
3	CAN OBD (+)	0462	XD:2 B
4	J1939 CAN-1 Bus low	0013	CU1:1 B
5	Bus J1587-1 Diagnostic Line (B-)	0011	CU2:1 B
6	CAN OBD (-)	0463	XD:2 B
7	Power supply kl. 15	2323	CU3:1 B
8	Idle validation switch	5072	CU1:1 B
9	Alternator engine running, generating current	25	AB:1 D
10	Ground when main switch open	2226	AB:1 E
11	Engine speed "W" alternator termination	7	AB:1 D
13	Power supply kl. 15	291	CU1:1 B
15	Power supply kl. 15	291	CU1:0 B
18	Engine water level	81	CU1:1 D
20	Engine water level signal	0151	CU1:2 D
21	Power supply kl. 15	292	CU1:0 C
23	Climate compressor power supply	462	HY:4 D
27	Ground	1	CU3:4 D
31	Ground	1	CU1:1 D
32	Preheater feedback	803	CU3:2 C
35	Starter control	5101	CU3:0 D
37	Power supply kl. 15	808	CU3:2 C
39	Ground	1	CU1:1 D

XHFF1

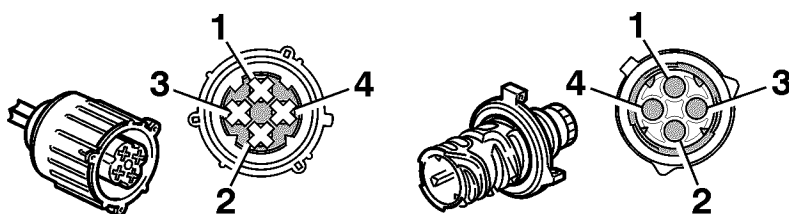
T3019925

Pin no:	Circuit function	Wiring no:	Diagram
1	Alarm siren power supply	2303	IN:3 D
2	Burglar alarm control	0039	IN:3 D
3	Ground	1	IN:3 E

XHFF3

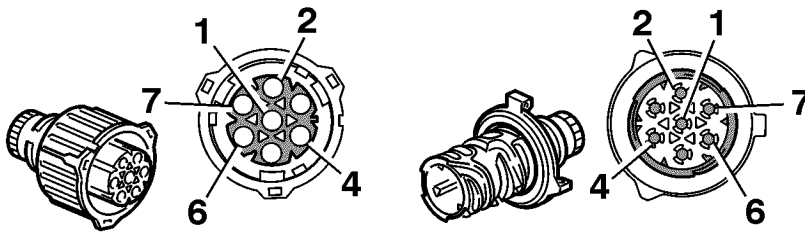
T3019922

Pin no:	Circuit function	Wiring no:	Diagram
1	NOxCare Heating control	1168	CU4:0 D
2	NOxCare level sensor	8213	CU4:0 D
3	NOxCare temp sensor	8211	CU4:0 D
4	NOxCare Tank sensor ground	1167	CU4:0 D

XHFF4

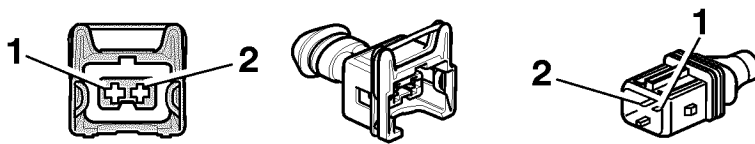
T3019922

Pin no:	Circuit function	Wiring no:	Diagram
1	NOxCare Heating resistor supply 2	23	CU4:1 B
4	NOxCare Heater Tank solenoid valve control	13	CU4:1 C

XHFF5

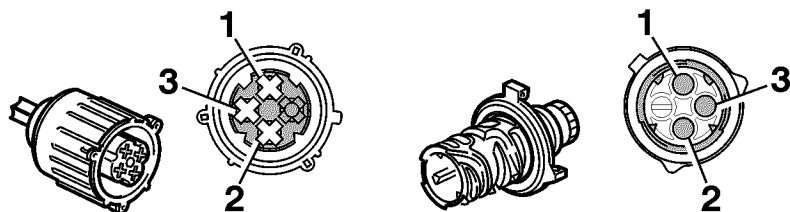
T3020295

Pin no:	Circuit function	Wiring no:	Diagram
1	ECS pressure sensors power supply	8077	FA1:1 D/FA2:0 D
2	ECS rear left axle air pressure sensor	8158	FA1:1 D/FA2:0 D
3	Air suspension pressure sensor ground	899	FA1:1 D/FA2:0 D
4	Chassis level rear axle sensor +	8142	FA1:2 D/FA2:1 D
5	Sensor chassis level front axle	879	FA1:2 D/FA2:1 D
6	Chassis level rear axle sensor –	8140	FA1:2 D/FA2:1 D

XHFR1

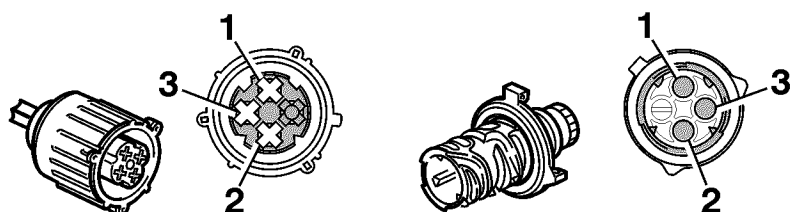
T3019026

Pin no:	Circuit function	Wiring no:	Diagram
1	Engine water level signal	0151	CU1:2 D
2	Engine water level	81	CU1:2 D

XHFR2

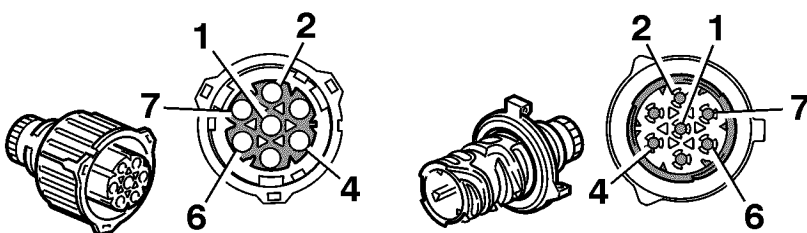
T3019925

Pin no:	Circuit function	Wiring no:	Diagram
1	Fuel level sensor (-)	718	BK:0 D
2	Fuel level sensor (+)	76	BK:0 D
3	Ground	1	BK:1 D

XHFR4

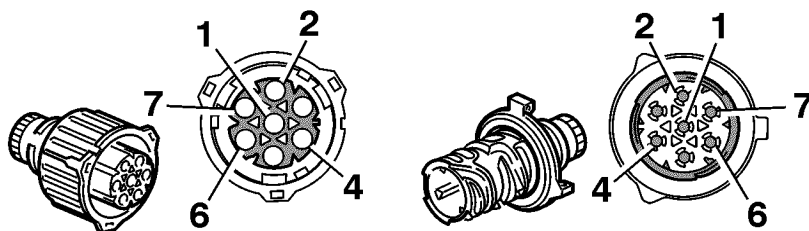
T3019925

Pin no:	Circuit function	Wiring no:	Diagram
1	Fuel level sensor (-)	718	BK:1 E
2	Fuel level sensor (+)	76	BK:1 D
3	Ground	1	BK:1 E

XHFV1

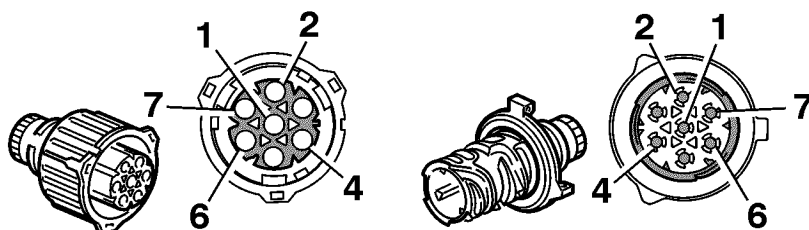
T3020205

Pin no:	Circuit function	Wiring no:	Diagram
1	Power supply kl. 30	2230	FC:2 B
2	J1939 CAN-1 Bus low	0013	FC:3 D
3	J1939 CAN-1 Bus high	0012	FC:3 D
4	Ground	1	FC:3 D
5	Bus J1587-1 Diagnostic Line (A+)	0010	FC:3 D
6	Bus J1587-1 Diagnostic Line (B-)	0011	FC:3 D
7	Power supply kl. 15	24	FC:4 D

XHFV2

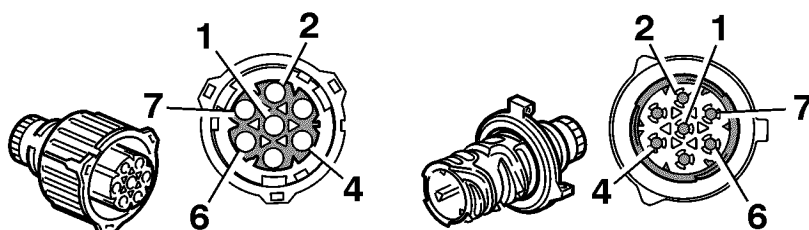
T3020295

Pin no:	Circuit function	Wiring no:	Diagram
1	Power supply kl. 15	2121	DQ:0 C
2	PTO 1 valve	8093	DQ:0 D
3	Power supply kl. 15	2121	DQ:3 C
4	PTO 2 valve	8161	DQ:3 D

XHFV3

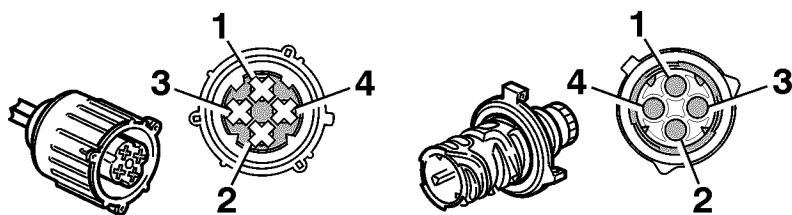
T3020295

Pin no:	Circuit function	Wiring no:	Diagram
1	CAN OBD (-)	0463	CU4:4 C
2	CAN OBD (+)	0462	CU4:4 C
3	Ground	1	CU4:4 A
4	Power supply after relay K2	2329	CU4:4 A

XHFV4

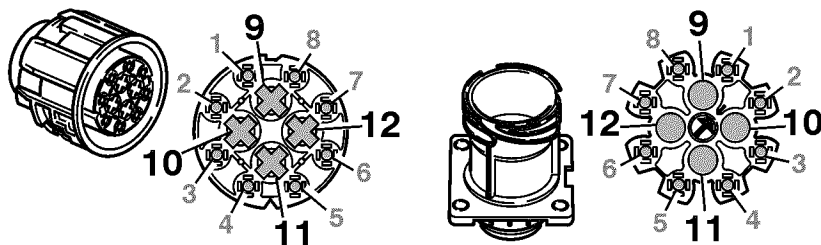
T3020295

Pin no:	Circuit function	Wiring no:	Diagram
1	Main switch command	147	AA:2 C
2	Direct battery	203	BM:1 B
3	Power supply kl. 30	2223	AA:0 B
6	Ground	1	AA:2 E

XHRR1

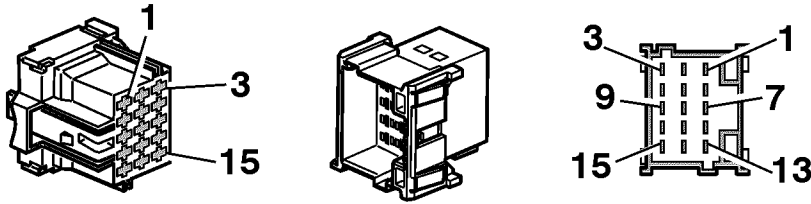
T3010922

Pin no:	Circuit function	Wiring no:	Diagram
1	Parking lights left side	305	GC2:1 D
2	Ground	1	GC2:1 C
3	Parking lights right side	304	GC2:1 A
4	Ground	1	GC2:1 E

XHTG1

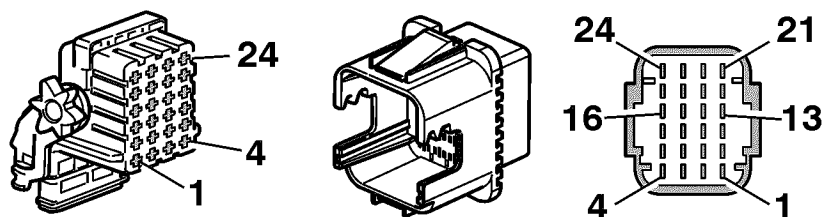
T3010928

Pin no:	Circuit function	Wiring no:	Diagram
1	Tachograph speed sensor supply	142	BM:1 D
2	Speed signal real time	141	BM:1 D
3	Ground	825	BM:1 D
4	Tachograph data signal	0056	BM:1 D
6	PTO 1 feedback speed 1	88	DQ:1 C
7	Ground	1	DQ:1 D
9	PTO 2 feedback	8134	DQ:3 C
10	Neutral gearbox information	12	BA:3 B
11	Manual gearbox reverse gear switch	661	GD:0 C

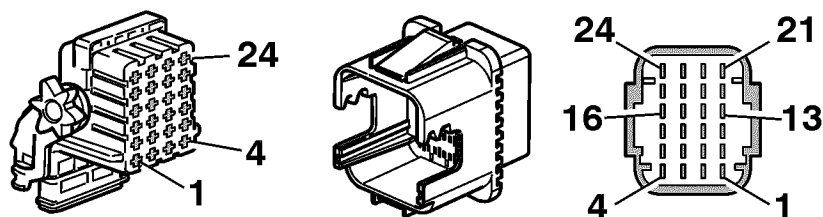
XJB15

T3019800

Pin no:	Circuit function	Wiring no:	Diagram
1	Power supply kl. 30	2230	FC:1 B
2	Power supply kl. 30	208	NC:1 B
3	Power supply kl. 15	2323	CU3:1 B
4	Power supply kl. 15	24	FC:2 D
5	Direct battery	203	BM:1 B
6	ADR main switch led ground	1149	AC:2 C
7	Power supply kl. 15	275	NC:1 B
8	Key inserted info	5066	AC:1 B
9	Main switch command	147	AA:2 C
10	Rear left marker	632	NC:1 B
11	Rear right marker	634	NC:1 B
12	Power supply kl. 30	2223	AA:0 B/AE:3 B
13	Bus J1587–1 diagnostic line (B-)	0011	XA:4 C
14	Bus J1587–1 diagnostic line (A+)	0010	XA:4 C
15	Coded line alarm trailer connection freight	0403	NC:2 B

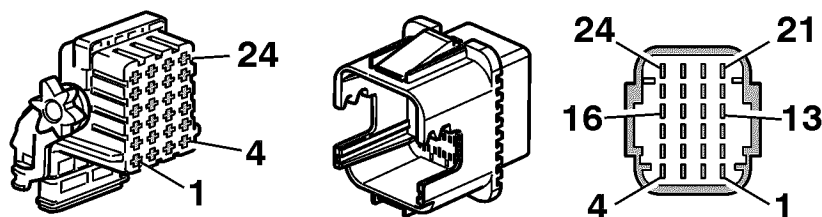
XJC01_01

Pin no:	Circuit function	Wiring no:	Diagram
1	Battery charging information	2307	BK:2 D
2	Power supply kl. 30	208	NA:1 B
3	PTO 1 ON information	8169	NA:0 B
4	Brake lights relay VECU control	5028	BA:1 D
5	Ground	1	GC2:4 C
6	Ground	1	ND:1 B
7	Power supply kl. 15	47	IR:0 C/IR1:2 B
8	Power supply kl. 30	45	GH1:3 B
9	Front door switch control/instep lights control	119	GH1:1 C
10	Front door switch control/instep lights control	119	GH1:1 D
11	Power supply kl. 30	719	BK:3 A
12	ADR alternator relay	2126	AE:1 D
13	Door switch signal	1159	GH1:1 C
14	Power supply kl. 15	24	IM:4 B
15	Accessories key position	214	AB:1 B/AE:1 B
16	Park brake trigger relay control	83	BA:0 B
17	Power supply kl. 15	24	AI:2 D
18	Power supply kl. 15	2125	ND:2 B
19	Power supply kl. 15	24	BK:0 B
20	ADR alternator relay control	1150	AE:1 D
21	Power supply kl. 30	2316	GQ:1 C
22	Power supply kl. 15	229	BA:1 B
23	Park brake trigger relay	8118	NA:3 B
24	Relay EMS control	0023	BA:1 B

XJC01_02

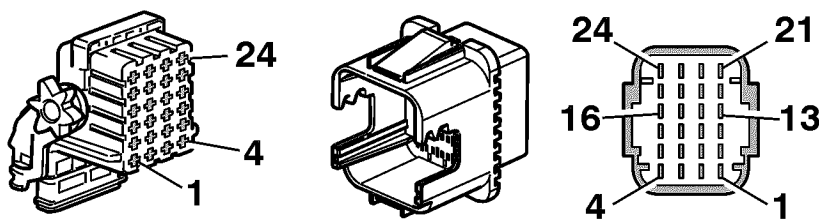
T3019802

Pin no:	Circuit function	Wiring no:	Diagram
1	Dashboard illumination power supply	64	NB:4 A
4	Ground	1	AE:1 E
5	Left front high beam lights power supply	603	BK:4 B
6	Ground	1	GQ:3 A
7	Ground	1	GM:0 D
8	Ground	1	GQ:0 C
9	Dashboard illumination power supply	64	DQ:4 A
10	Dashboard illumination power supply	64	IF1:1 B
11	Ground	1	ND:3 B
12	Ground	1	BK:4 C
13	Power supply kl. 30	310	GQ1:2 B
14	Ground	1	HY:2 C
15	Rear fog lights relay control	370	GB2:3 B
16	Ground	1	GQ:3 B
17	Rear fog lights power supply	307	BK:3 B
18	Wiper parking status	509	GQ:3 B
19	Wiper parking status	509	GM:2 D
20	Power supply kl. 15	501	GM:2 C
22	Intermittent wiper timer relay control	503	GQ:3 B
23	Low speed wiper motor power supply	507	GM:2 C
24	Power supply kl. 15	501	GM:2 C

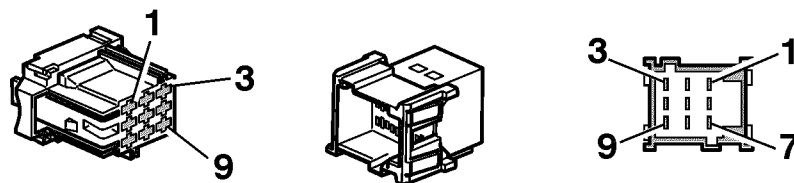
XJC01_03

T3019802

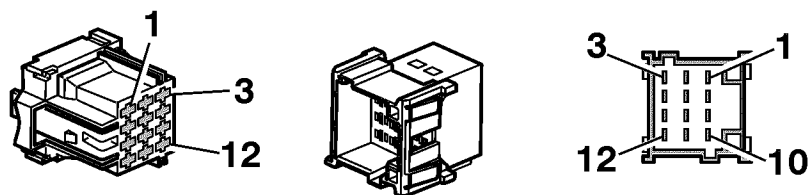
Pin no:	Circuit function	Wiring no:	Diagram
1	Power supply kl. 15	2122	BA:1 B
2	Power supply kl. 15	2121	DQ:0 B
3	Dashboard switch power supply from VECU	2123	BA:3 A
4	Bus J1587–1 diagnostic line (B-)	0011	XA:2 C
5	Ground	1	GM:3 C
6	Power supply kl. 15	2121	DQ:3 B
7	Dashboard switch power supply from VECU	2123	BA:2 A
8	Bus J1587–1 diagnostic line (A+)	0010	XA:2 C
9	Reverse lights relay control	1018	GD:1 A
10	Parking lights control by stalk switch	313	GQ:2 C
11	Dashboard switch power supply from VECU	2123	BA:3 A
12	ADR alternator relay control	2226	AB:2 D/AE:1 D
13	Parking lights control by stalk switch	313	GA1:2 B
14	Parking lights relay control	303	GQ:2 D
15	Power supply kl. 30	2227	AB:0 B/AE:0 B
16	Accessories power supply	4309	IU:1 B
17	Reverse lights ON-OFF, and power supply	608	NA:0 B
18	Power supply kl. 30	2227	DQ1:4 A
19	Power supply kl. 30	373	GA1:3 B
20	Power supply kl. 30	663	GB1:3 B
21	Power supply kl. 30	2120	NB:4 A
22	Power supply kl. 30	2227	IM:4 B
23	Power supply kl. 30	373	GQ:2 B
24	High beam lights relay control	62	GB1:3 B

XJC01_04

Pin no:	Circuit function	Wiring no:	Diagram
1	Power supply kl. 30	263	IU:2 B
2	PTO 1 feedback (speed 1)	88	DQ:1 B
3	PTO 1 feedback (speed 1)	88	BA:4 B
4	Front door switch control/instep lights control	4321/119	GH1:1 C
5	Ground	1	GH3:2 D
6	Ground	1	DQ:3 D
7	Bus J1587-1 diagnostic line (B-)	0011	XA:2 C
8	Bus J1587-1 diagnostic line (A+)	0010	XA:2 C
9	Power supply (alternator information, engine running)	4306	NA:3 B
10	Ground	1	DU:3 B
11	Ground	1	GQ:1 C
12	Ground	1	GH1:2 E
13	Power supply kl. 15	2310	AH:4 D
14	Ground	1	NA:4 B
15	Ground	1	NA:1 B
16	Power supply kl. 30	202	GQ:2 B
17	Power supply kl. 15	808	AJ:1 D
20	Power supply kl. 30	202	GQ:2 B
21	Power supply kl. 15	22	AB:2 A/AE:1 B
22	Power supply kl. 15	463	HY:2 C
23	Power supply kl. 30	2306	BK:2 A
24	Power supply kl. 15	243	AH:3 D

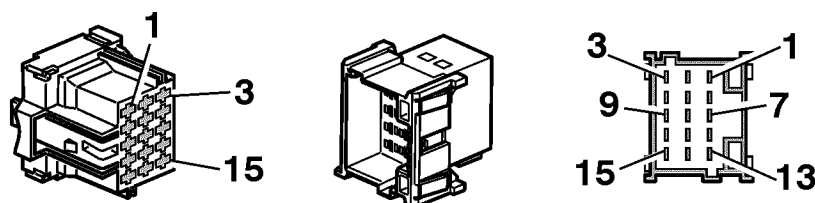
XJC01_05

Pin no:	Circuit function	Wiring no:	Diagram
1	Power supply kl. 30	663	GB1:3 B
6	Ground	1	GM:2 E
7	Ground	1	BA:2 B

XJC01_06

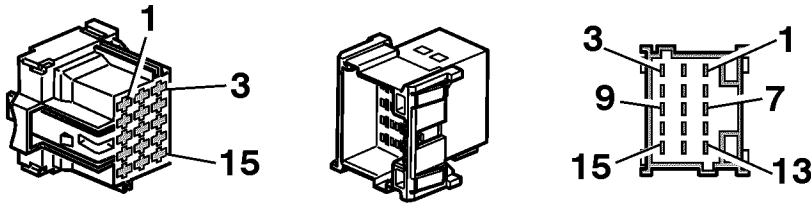
T3019801

Pin no:	Circuit function	Wiring no:	Diagram
1	ADR alternator relay control	2126	AE:1 E
2	Ground when main switch open	2226	AE:1 D
3	Front door switch control/instep lights control	119/4322	GH1:3 D
4	Ground	1	AE:1 D
5	Starter relay control	5102	CU3:0 C
6	Ground	1	IM:4 D
7	Neutral gearbox information	1200	BA:3 C
8	Neutral gearbox information	12	BA:3 B
9	Bus J1587-1 diagnostic line (B-)	0011	XA:2 C
10	Power supply kl. 15	4309	AG:2 E
11	Bus J1587-1 diagnostic line (A+)	0010	XA:2 C
12	Power supply kl. 30	2327	BT:1 B

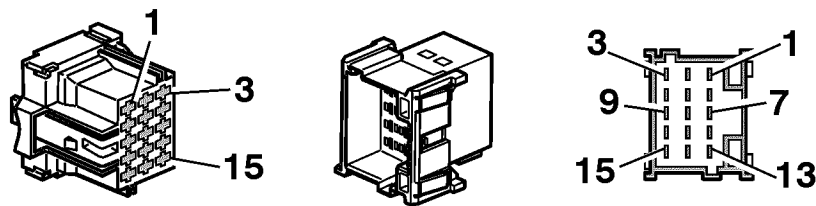
XJC01_07

T3019800

Pin no:	Circuit function	Wiring no:	Diagram
1	Dashboard switch power supply from VECU	2123	BA:2 B
2	Ground	1	BA:1 D
3	Ground	1	DQ1:1 B/DO:1 B
5	Ground	1	EM1:2 B
6	Beacon warnings lamps power supply	323	GC2:3 C
7	Power supply kl. 30	2331	IR:4 A
8	Power supply kl. 15	273	AI:1 D
9	Dashboard illumination power supply	64	HJ:1 A/HJ1:1 A
10	Engine running power supply	2229	AE:4 E
11	Power supply kl. 15	2317	AI:3 D
13	Power supply kl. 15	273	AI:1 D
15	Dashboard switch power supply from VECU	2124	BA:3 E

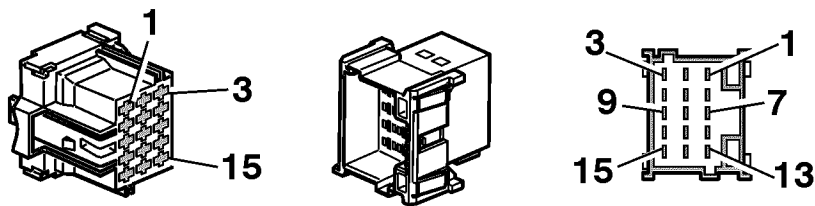
XJC01_08

Pin no:	Circuit function	Wiring no:	Diagram
1	Ground	1	IU:2 B
2	Ground	1	IF1:3 E
3	Ground	1	DQ:1 D
4	Power supply kl. 30	452	GF1:2 C
5	Ground	1	IA:3 D
6	Dashboard illumination power supply	64	IA:3 B
8	Ground	1	IU:3 D
9	Front door switch control/instep lights control	119	GH1:3 D
10	Power supply kl. 15	4308	IA:3 B
11	Ground	1	IR:4 B
12	Power supply kl. 30	45	GH1:3 B
13	Power supply kl. 15	2231	IQ1:1A
14	Power supply kl. 15	2231	AG:3 E

XJC01_09

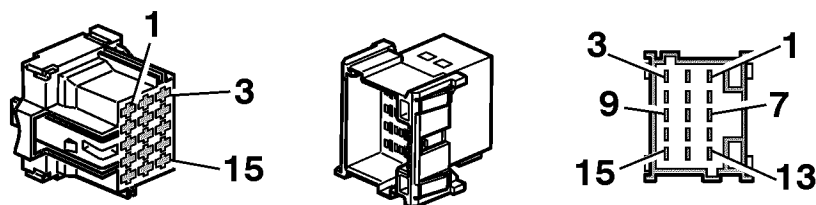
T3019800

Pin no:	Circuit function	Wiring no:	Diagram
1	Power supply kl. 15	2014	HY:0 C
2	Dashboard illumination power supply	64	IQ1:2 E
3	Ground	1	DQ1:1 A
4	Dashboard illumination power supply	64	HY:2 A
5	Dashboard illumination power supply	64	FA:4 B
6	Neutral gearbox information	12	DQ1:1 A
7	Power supply kl. 15	2234	NA:3 B
8	Power supply after relay air suspension	260	FA:4 B/FA1:4 C
9	Power supply after relay air suspension	260	FA:4 B/FA1:4 C
10	Power supply after relay air suspension	260	FA:4 B/FA1:4 C
11	Power supply kl. 30	2331	IR:4 A
12	Power supply kl. 30	666	GH3:1 B
13	Power supply kl. 15	2117	AE:3 A
14	Allison relay control	5031	DQ1:1 B
15	Ground	1	DQ1:1 B

XJC01_10

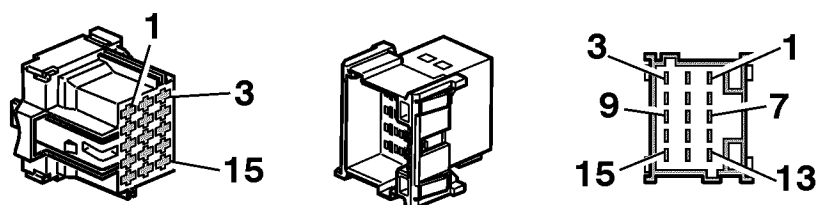
T3019800

Pin no:	Circuit function	Wiring no:	Diagram
2	Heater status	4003	HJ:0 A/HJ1:0 A
3	Bus J1587–1 diagnostic line (B-)	0011	XA:2 B
4	Ground	1	IQ1:1 A
5	Ground	1	FA:2 C/FA1:4 D
6	Ground	1	FA:2 C/FA1:4 D
7	Ground	1	FA:3 C/FA1:4 D
8	Ground	1	FA:3 D/FA1:4 D
9	Power supply kl. 15	274	FA:3 B/FA1:3 B
10	Power supply kl. 30	2304	HY:3 C
11	Power supply kl. 30	2304	HJ:1 A/HJ1:1 A
12	Front fog light control	69	GB2:1 B
13	Bus J1587–1 diagnostic line (A+)	0010	XA:2 B
14	Front fog light power supply	60	BK:4 B
15	Air suspension relay control	1155	FA:3 B/FA1:4 B

XJC01_11

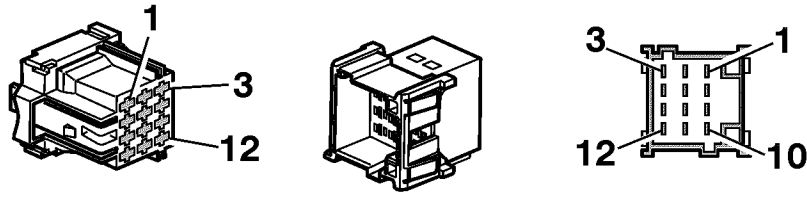
T3019800

Pin no:	Circuit function	Wiring no:	Diagram
1	Parking heater fuel dosing pump control	414	HJ:4 D/HJ1:4 D
2	Parking light	2128	GA2:3 C
4		—	AC:1 E
6	ADR alternator relay control	2126	AE:2 D
7	Cab heater control	476	BK:2 D
8	Dashboard switch power supply from VECU	2124	BA:4 E
9	Dashboard switch power supply from VECU	2124	BA:3 E
11	Parking heater fuel dosing pump ground	413	HJ:4 D/HJ1:4 D
15	Power supply kl. 30	2311	GA2:4 C

XJC01_12

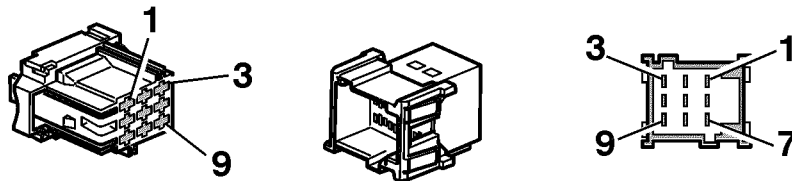
T3019800

Pin no:	Circuit function	Wiring no:	Diagram
1	Ground	1	BM:2 C
2	PTO 1 feedback (speed 1)	88	NB:3 D
3	Power supply kl. 30	2328	IM:2 C
4	Ground	1	IF1:3 E
7	Ground	1	CU4:0 B
9	Power supply kl. 30	2328	AA:2 A
10	Front door switch control/instep lights control	119/4322	GH1:3 D
14	Front door switch control/instep lights control	119/4322	GH1:3 D

XJC01_13

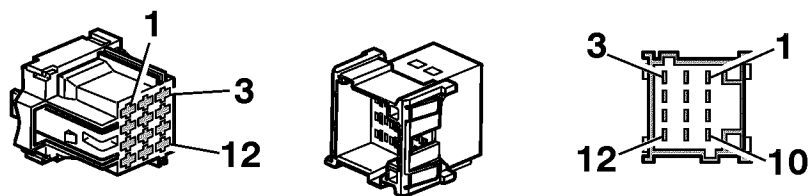
T3019801

Pin no:	Circuit function	Wiring no:	Diagram
2	Dashboard illumination power supply	64	BA:0 D
3	Horn control	311	GQ1:1 D
4	Horn relay control	312	GQ1:1 C
6	Seat belt reminder	775	BK:3 B
7	Dashboard illumination power supply	64	DU:3 A
9	Ground	1	AA:2 B
10	Dashboard illumination power supply	64	BA:2 A
11	Dashboard illumination power supply	64	DQ1:4 A

XJC01_14

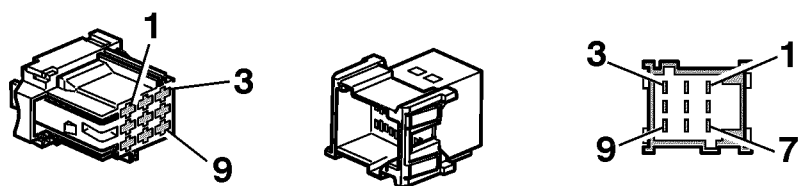
T3019828

Pin no:	Circuit function	Wiring no:	Diagram
3	Power supply kl. 30	5095	GM:0 B
4	Power supply kl. 30	270	DQ1:0 B/DO2 A
7	Ground	1	DQ1:0 E/DO:1 B

XJC01_15

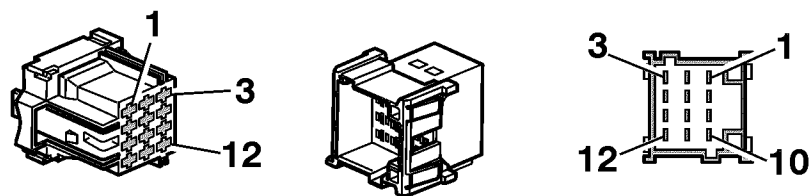
T3019901

Pin no:	Circuit function	Wiring no:	Diagram
1	Power supply kl. 15	2121	DU:3 A
2	Power supply kl. 15	2315	AG:4 E
4	Power supply kl. 15	456	IQ1:3 A
6	Ground	1	AA:2 B
7	Power supply kl. 30	2312	BT:2 B
8	Ground	1	NB:4 B
9	Ground	1	BT:0 B
10	Power supply kl. 15	2325	AJ:2 D
11	Bus J1587-1 diagnostic line (A+)	0010	XA:3 C
12	Bus J1587-1 diagnostic line (B-)	0011	XA:3 C

XJC01_16

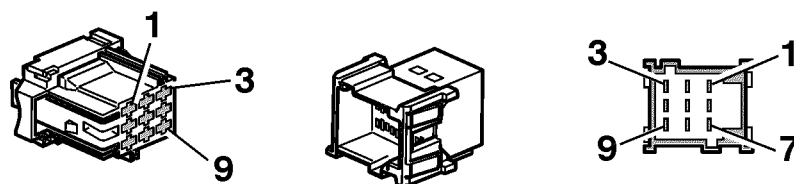
T3019929

Pin no:	Circuit function	Wiring no:	Diagram
2	Bus J1587-1 diagnostic line (A+)	0010	XA:3 B
3	Power supply kl. 15	2232	IQ:3 A
4	Heated mirror ON/OFF	4060	BA:0 B
5	Power supply kl. 15	215	IF1:0 B
6	Bus J1587-1 diagnostic line (B-)	0011	XA:3 B
7	Power supply kl. 15	2025	EM1:3 B
8	Ground	1	FC:1 E
9	Key inserted	169	AB:0 A

XJC01_17

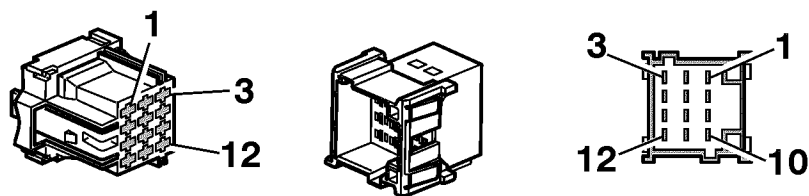
T3019801

Pin no:	Circuit function	Wiring no:	Diagram
1	Ground	1	AB:1 B
2	Ground	1	EM1:3 B
4	Dashboard illumination power supply	64	EM2:2 A
5	Dashboard illumination power supply	64	IU:1 B
6	Ground	1	EM2:2 B
7	Power supply kl. 30	2309	EM1:3 B
8	Heated mirror power supply. Windscreen heater relay control	4	IF1:2 B
10	Power supply kl. 30	2309	EM1:4 B
11	Heated mirror power supply. Windscreen heater relay control	4	IF1:2 B
12	Power supply for heater	2132	AE:3 C

XJC01_18

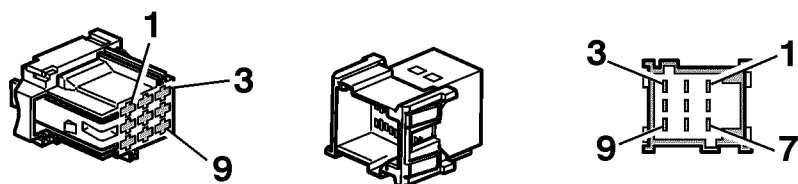
T3019929

Pin no:	Circuit function	Wiring no:	Diagram
1	Power supply kl. 15	2121	DQ:4 A
3	Bus J1587-1 diagnostic line (B-)	0011	XA:3 B
4	Bus J1587-1 diagnostic line (A+)	0010	XA:3 B
6	Power supply kl. 15	2310	AH:3 D
8	K diagnostic line	851	GF1:1 A

XJC01_19

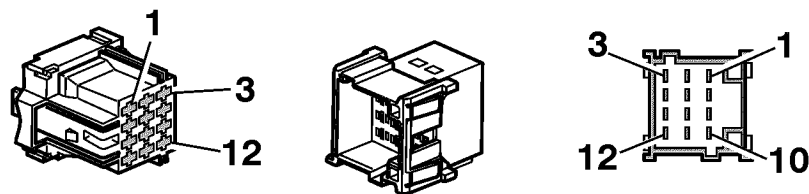
T3019901

Pin no:	Circuit function	Wiring no:	Diagram
1	Heated mirror power supply. Windscreen heater relay control	4	IF1:3 B
2	Ground	1	DO:4 B/DQ1:1 C
3	Power supply kl. 30	321	GC2:3 A
4	Ground	1	IR:1 B/IR1:2 B
5	Ground	1	HJ:1 B/HJ1:1 B
6	Ground	1	IQ1:3 A
8	Ground	1	BA:0 E
9	Parking heater push button request	4467	BK:2 D
10	Engine running power supply	4306	AB:4 E/AE:4 E
12	Power supply kl. 15	5098	AJ:0 D

XJC40

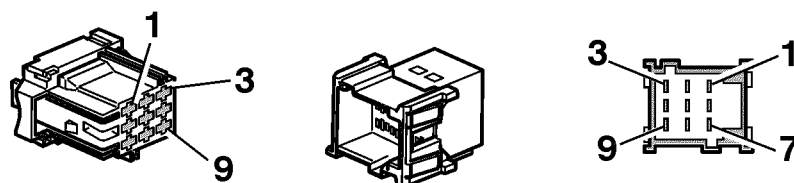
T3019929

Pin no:	Circuit function	Wiring no:	Diagram
1	Bus J1587-1 diagnostic line (B-)	0011	XA:1 B
4	Bus J1587-1 diagnostic line (A+)	0010	XA:1 C

XJE21

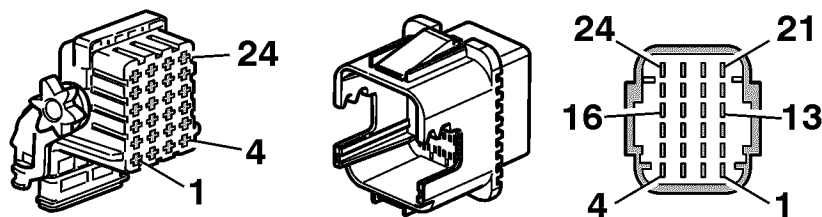
T3019801

Pin no:	Circuit function	Wiring no:	Diagram
1	Bus J1587-1 diagnostic line (B-)	0011	XA:4 B
2	Power supply, starter relay	5101	CU3:0 C
3	Power supply after relay K2	291	CU1:0 A
4	Alternator engine running; generating current	25	AB:2 C/AE:2 C
5	Bus J1587-1 diagnostic line (A+)	0010	XA:4 C
6	Power supply after relay K2	291	CU1:1 A
7	Ground when main switch open	2226	AB:1 D
8	Power supply kl. 15	808	CU3:2 B
9	Power supply after relay K2	2329	CU1:0 B
10	Power supply after relay K2	292	CU1:0 B
11	Ground	1	CU1:1 D

XJF01

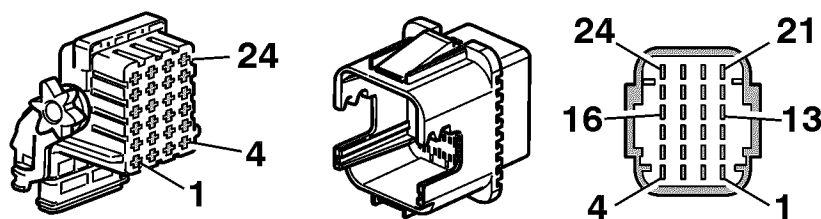
T3019829

Pin no:	Circuit function	Wiring no:	Diagram
2	Right front high beam lights power supply	602	GC1:0 B
4	Front fog light power supply	60	GC1:4 B
5	Parking lights left side	305	GC1:0 C
6	Parking lights right side	304	GC1:0 B
8	Left front high beam lights power supply	603	GC1:2 B

XJH50

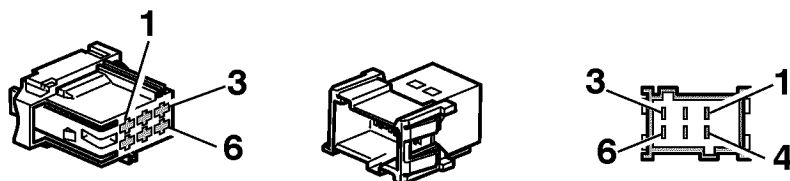
T3019802

Pin no:	Circuit function	Wiring no:	Diagram
1	Main switch command	147	IM:3 C
2	Key inserted	169	IN:4 D
3	Cab heater control	476	IN:1 B
4	Ground	1	IM:3 E
5	Direct battery	203	BM:1 B
6	Ground	1	GA2:4 D
7	Ground	1	BM:1 C
8	Power supply kl. 15	24	IM:0 B
9	Dashboard illumination power supply	64	IN:2 A
11	Ground	1	GH2:2 D
12	Ground	1	GH1:0 E
13	Unlock door request	484	IM:1 B
15	Ground	1	GC2:3 E
16	Front door switch control/instep lights control	4321/119	GH1:2 C
17	Lock door request	436	IM:1 B
18	Power supply kl. 30	45	GH1:1 B
19	Power supply kl. 30	45	GH2:2 B
20	Power supply kl. 15	2310	AH:4 D
21	Parking lights left side	305	GC2:2 D
22	Parking lights right side	304	GC2:2 A
23	Front door switch control/instep lights control	119	IN:1 D
24	Power supply kl. 30	263	IM:0 B

XJH51

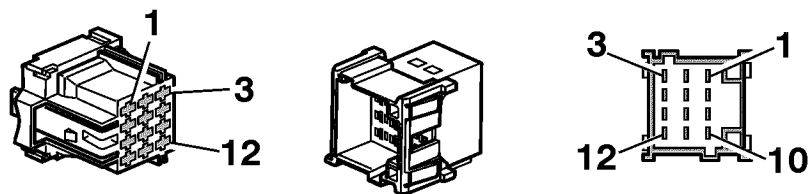
T3019802

Pin no:	Circuit function	Wiring no:	Diagram
2	Coded line alarm trailer connection freight	0403	IN:2 D
3	Beacon warning lamps power supply	323	GC2:3 C
5	Ground	1	GD:1 D
7	Ground	1	GA2:4 D
8	Reverse lights buzzer	635	GD:1 D
9	Bus J1587-1 diagnostic line (A+)	0010	XA:3 B
11	Ground	1	IR:1 B
12	Reverse lights ON-OFF, and power supply	608	GD:1 C
13	Bus J1587-1 diagnostic line (B-)	0011	XA:3 B
15	Ground	1	GC2:2 E
17	Power supply kl. 15	4309	IR:1 B
18	Sun-roof motor control	4014	IQ:1 C
19	Dashboard illumination power supply	64	GC2:4 A
20	Power supply kl. 30	321	GC2:4 A
21	Sun-roof motor control	4015	IQ:1 C
24	Power supply kl. 15	229	BM:1 A

XJH52

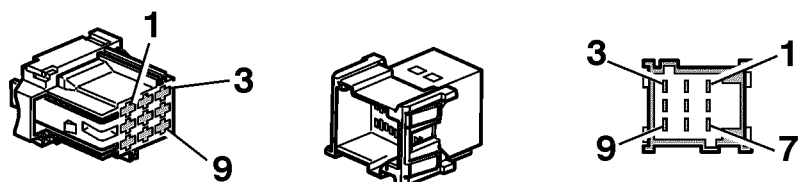
T3019918

Pin no:	Circuit function	Wiring no:	Diagram
1	Dashboard illumination power supply	64	GD:1 C
2	Power supply kl. 30	2302	IR:3 B
3	Parking light	2128	GA2:4 D
6	Power supply kl. 30	2311	GA2:4 D

XJR11

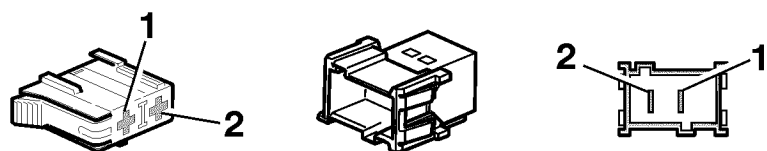
T3019901

Pin no:	Circuit function	Wiring no:	Diagram
2	Parking lights left side	305	GC3:1 B
4	Brake lights power supply	3	GC3:2 B
5	Reverse lights ON-OFF, and power supply	608	GC3:3 B
7	Rear fog lights power supply	307	GC3:2 B
8	Ground	1	FA1:0 A/FA2:0 A
9	Reverse lights buzzer	635	GD:1 D
12	Parking lights right side	304	GC3:3 B

XJR13

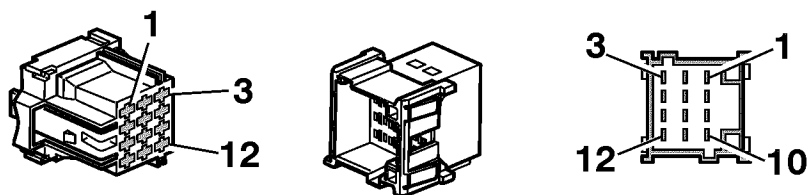
T3019929

Pin no:	Circuit function	Wiring no:	Diagram
2	Rear left marker	632	GF:3 D
3	Power supply kl. 15	211	GF:1 B
4	Rear right marker	634	GF:3 D
5	Rear fog lights power supply	307	GF:3 D
6	Coded line alarm trailer connection freight	0403	GF:3 D
7	Brake lights power supply	3	GF:3 B
8	Power supply kl. 15	606	GF:3 B
9	Reverse lights ON-OFF, and power supply	608	GF:3 B

XJR14P

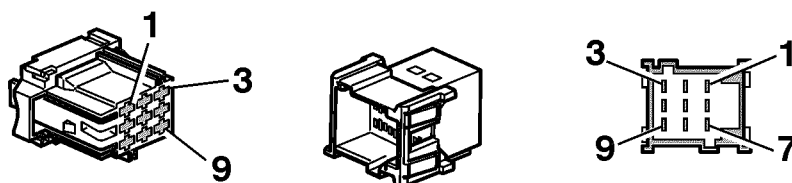
T3019930

Pin no:	Circuit function	Wiring no:	Diagram
1	Power supply kl. 30	522	GF:1 B

XJR32

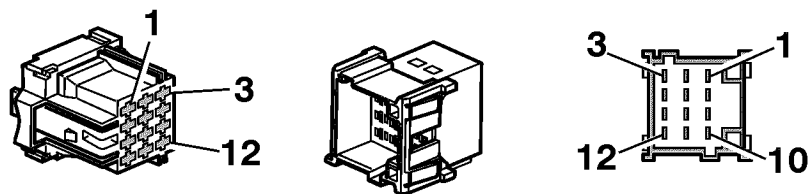
T3019801

Pin no:	Circuit function	Wiring no:	Diagram
1	Ground	1	AC:2 B
2	Power supply kl. 15	2117	AC:2 A
6	Key inserted info	5066	AC:2 A
8	ADR main switch led ground	1149	AC:2 B
10	Dashboard illumination power supply	64	AC:2 A

XJR33

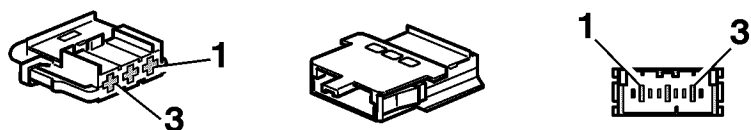
T3019929

Pin no:	Circuit function	Wiring no:	Diagram
1	Lock door request	436	IM:1 B
2	Sun-roof motor control	4015	IQ:1 C
3	Sun-roof motor control	4014	IQ:1 C
4	Unlock door request	484	IM:1 B
7	Ground	1	IM:1 B
8	Power supply kl. 15	2231	IQ:1 A
9	Dashboard illumination power supply	64	IQ:1 D

XJR61

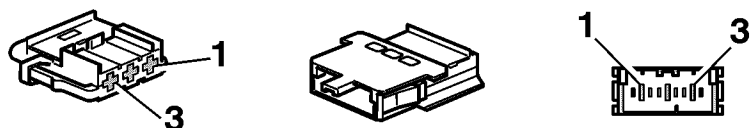
T3019901

Pin no:	Circuit function	Wiring no:	Diagram
1	Cab heater control	476	HJ:2 B/HJ1:2 B
2	K diagnostic line	851	HJ:4 D/HJ1:4 C
4	Power supply for heater	2132	AE:3 C/HJ:3 B
8	Power supply kl. 30	2304	HJ1:2 B
9	Auxiliary pump feedback	89	HJ1:0 B
10	Ground	1	HJ:3 E/HJ1:3 E
11	Heater fuel dosing pump ground	413	HJ:3 D/HJ1:3 D
12	Heater fuel dosing pump control	414	HJ:3 D/HJ1:3 D

XJR62

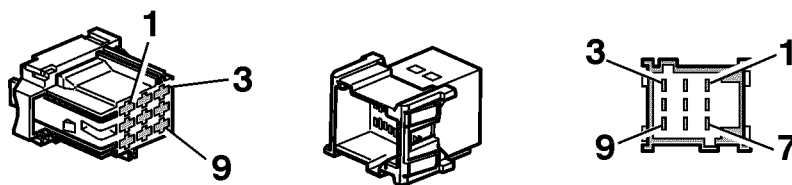
T3019921

Pin no:	Circuit function	Wiring no:	Diagram
1	Engine running power supply	2229	AB:3 E/HJ1:3 B
3	PTO 1 feedback (speed 1)	88	HJ1:3 B

XJR64

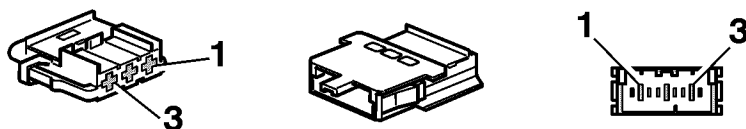
T3019921

Pin no:	Circuit function	Wiring no:	Diagram
1	Ground	1	IR:4 E
3	Power supply kl. 30	2302	IR:3 B

XJR65

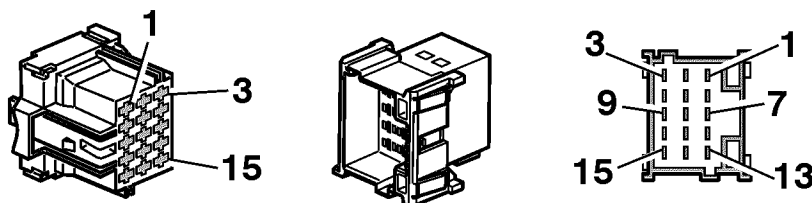
T3019820

Pin no:	Circuit function	Wiring no:	Diagram
2	Engine running power supply	4306	IA:0 B
3	Engine running power supply	4306	IA:1 B
6	Seat belt reminder	775	IA:2 B
8	Ground	1	IA:1 E

XJR73

T3019821

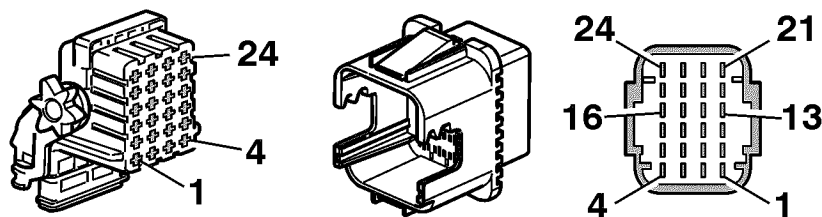
Pin no:	Circuit function	Wiring no:	Diagram
2	Ground	1	KA:3 C
3	Engine running power supply	2229	KA:3 B

XT02

T3019800

Pin no:	Circuit function	Wiring no:	Diagram
2	Front/door right turn indicator	37	GC1:1 B
3	Front/door left turn indicator	302	GC1:3 B
5	Horn control	311	GQ1:3 C
6	Low beam lights ON-OFF control	604	GC1:2 B
7	Windscreen washer pump supply and headlamp washer pump request	506	GM:0 D
8	Power supply headlamp washer pump	5094	GM:0 D
9	Front headlights angle control 12V power supply	388	GC1:2 C
10	Front headlights angle control	437	GC1:1 C
11	Low beam lights ON-OFF control	605	GC1:0 B

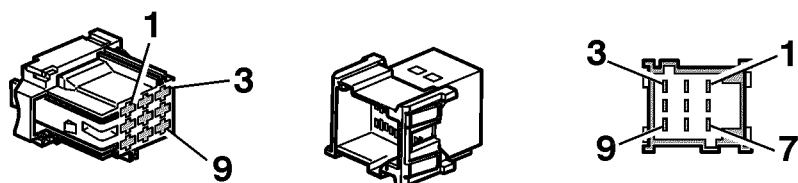
XT12



T3019802

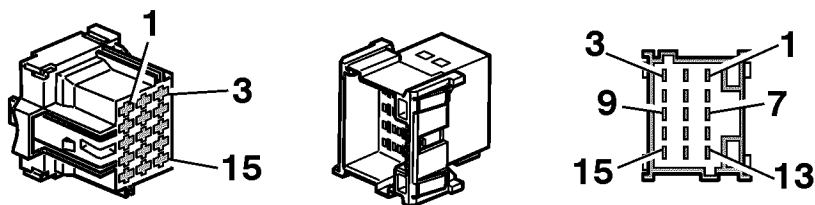
Pin no:	Circuit function	Wiring no:	Diagram
1	Rear right turn indicator	38	GC3:3 B
2	Rear left turn indicator	301	GC3:2 B
4	Heater fuel dosing pump ground	413	HJ:4 D/HJ1:4 D
11	Disc brake pad sensor	8040	BK:3 D
12	Fuel level sensor (+)	76	BK:1 C
14	Fuel level sensor (-)	718	BK:0 D
16	Diff lock rear wheel control	8129	DU:2 C
17	Heater fuel dosing pump control	414	HJ:4 D/HJ1:4 D
18	Diff lock rear wheels axle 1	87	DU:3 B

XT14



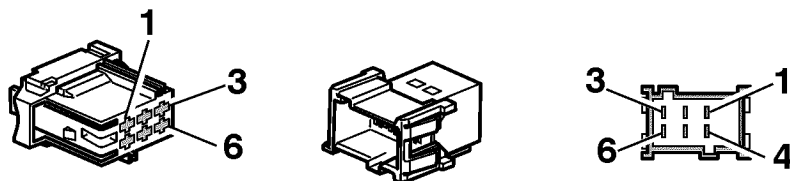
T3019929

Pin no:	Circuit function	Wiring no:	Diagram
1	ABS trailer state	352	GF:0 B
2	Trailer turn right indicator	30	GF:3 B
4	Trailer turn left indicator	39	GF:3 B
5	Chassis lighting or valve lighting	618	GF:2 B
7	Trailer CAN bus: L line	0046	GF:1 B
8	Trailer CAN bus: H line	0045	GF:0 B

XT22

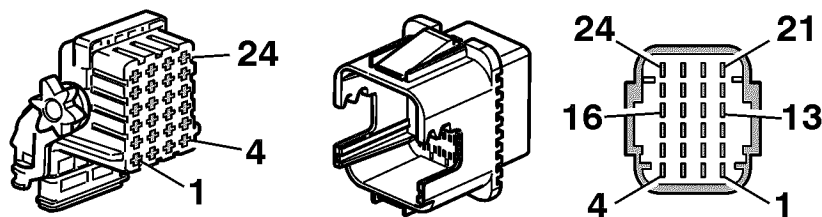
T3019800

Pin no:	Circuit function	Wiring no:	Diagram
1	Climate compressor power supply	462	HY:3 D
2	Disc brake pad sensor	8040	BK:3 D
4	Engine speed "W" alternator termination	7	NA:3 B/NA:4 B
5	J1939 CAN-1 Bus high	0012	XB:4 A
6	J1939 CAN-1 Bus low	0013	XB:4 A
7	Power supply kl. 15	5098	CU3:4 C
8	Idle validation switch	5072	BA:0 D
9	Ground	1	CU4:0 A
11	Disc brake pad sensor	867	BK:2 C
12	Ground	1	CU4:0 A
13	Can ODB (+)	0462	XD:1 B
14	Can ODB (-)	0463	XD:1 B

XT32

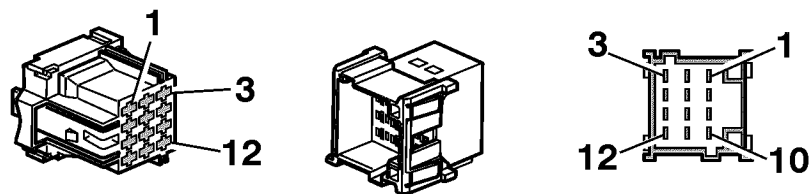
T3019918

Pin no:	Circuit function	Wiring no:	Diagram
1	Tachograph speed sensor supply	142	BM:2 C
3	Ground (tachograph)	825	BM:2 C
3	Ground (speedometer)	1	BM:2 C
4	Speed signal real time	141	BM:2 C
6	Tachograph data signal	0056	BM:2 C

XT33

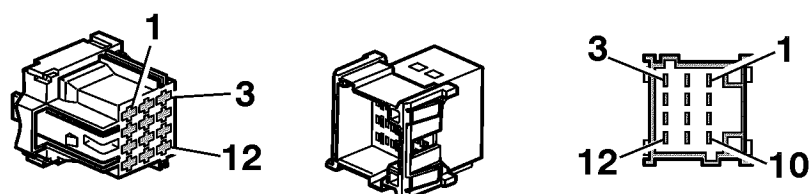
T3019802

Pin no:	Circuit function	Wiring no:	Diagram
1	Automatic transmission relay control	5031	DQ1:1 B
1	PTO 2 feedback	8134	DQ:3 B
2	EBS brake hold enable	5085	DQ1:3 C
3	J1587 low level for gear box diagnostic plug	0068	DQ1:2 B
3	J1587 low level for gear box diagnostic plug	0022	DO:0 C
4	Range redundancy	5109	DQ1:4 C
5	Power supply kl. 15	2121	DQ:0 B
6	Manual gear box reverse gear switch	661	GD:0 C
7	Neutral gear box information	12	BA:3 B
8	PTO 1 feedback (speed 1)	88	DQ:1 B
11	PTO 1 valve	8093	DQ:0 D
12	PTO 2 feedback	8134	DQ:3 B
13	Ground	1	DO:1 B
14	Ground	1	DQ1:0 D/DO:1 B
15	J1587 high level for gear box diagnostic plug	0067	DQ1:2 B
15	J1587 high level for gear box diagnostic plug	0021	DO:0 C
16	Power supply kl. 30	270	DQ1:0 B/DO:2 B
17	J1939 CAN-1 Bus high	0012	XB:4 B
18	J1939 CAN-1 Bus low	0013	XB:4 B
19	Power supply kl. 30	270	DQ1:0 B
20	Power supply kl. 15	2325	DQ1:0 B/DO:2 B
21	J1939 CAN-1 Bus high	0012	XB:4 C
22	J1939 CAN-1 Bus low	0013	XB:4 C
23	Bus J1587-1 diagnostic line (A+)	0010	XA:4 A
24	Bus J1587-1 diagnostic line (B-)	0011	XA:4 B

XT42

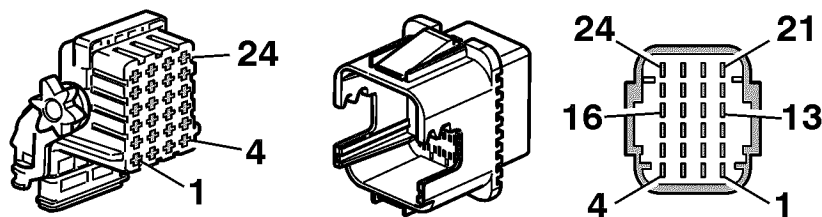
T3019801

Pin no:	Circuit function	Wiring no:	Diagram
1	Ground	1	FC:1 D
3	Ground when main switch open	2226	AB:2 E
5	ADR main switch closing request	5070	AC:2 B
6	ADR main switch closing request	5067	AC:2 B
7	Power supply body builder on chassis	2057	NB:3 D
8	Direct battery	203	BM:2 A
10	Power supply kl. 15	803	CU3:2 B
11	J1939 CAN-1 Bus high	0012	XB:4 E
12	J1939 CAN-1 Bus low	0013	XB:4 E

XT54

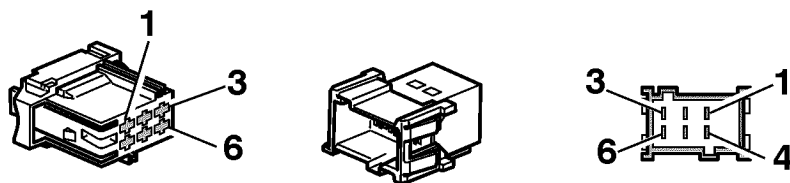
T3019801

Pin no:	Circuit function	Wiring no:	Diagram
1	Burglar alarm control	0039	IN:3 D
2	EBS front module dedicated CAN H	0148	EM1:2 D
3	Alarm siren power supply	2303	IN:3 D
4	Power supply kl. 15	2121	DQ:3 C
5	EBS front module dedicated CAN L	0147	EM1:2 D
6	PTO 2 valve control	8161	DQ:3 D
7	EBS front module +24V power supply	5079	EM1:2 D
8	Power supply kl. 15	2121	DQ:0 C
9	Front/door right turn indicator	37	GC2:2 A
10	EBS front module ground	5080	EM1:2 D
11	PTO 1 valve	8093	DQ:0 D
12	Front/door left turn indicator	302	GC2:2 D

XT55

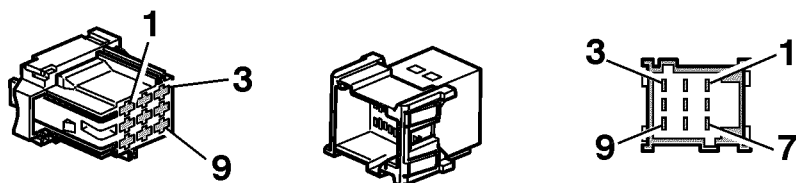
T3019802

Pin no:	Circuit function	Wiring no:	Diagram
1	Ground	1	FA:2 A/FA:3 A
2	Drive axle valve air inlet/outlet control	813	FA:0 B/FA1:1 B
3	Rear right axle bellow valve control	814	FA:0 B/FA1: 0 B
4	Rear left axle bellow valve control	815	FA:0 B/FA1:0 B
5	Sensor, chassis level, rhs. rear axle	881	FA:1 D/FA1:2 D
6	Chassis level rear axle sensor -	8140	FA:1 D/FA1:2 D
7	Chassis level rear axle sensor +	8142	FA:1 D/FA1:2 D
8	Air suspension pressure sensor GND	899	FA:1 D/FA1:2 D
9	Sensor, chassis level, lhs. rear axle	880	FA1:2 D
10	ECS rear right axle air pressure sensor	8159	FA:0 C/FA1:1 D
11	ECS rear right axle air pressure sensor	8160	FA:0 D/FA1:1 D
12	ECS pressure sensors power supply	8077	FA:0 D/FA1:1 D
13	Front axle bellow valve control	816	FA1:0 B
14	EBS trailer control module power supply	5050	EM2:1 C
15	EBS TCM outlet valve control	5092	EM2:1 C
16	EBS TCM backup valve control	5093	EM2:1 C
17	EBS trailer control module pressure sensor supply	0376	EM2:0 C
18	EBS trailer control module pressure sensor signal	0377	EM2:0 C
19	EBS trailer control module pressure sensor ground	0380	EM2:0 C
20	EBS TCM inlet valve control	5091	EM2:1 C
21	EBS rear module dedicated CAN L	064	EM1:1 D
22	EBS rear module dedicated CAN H	066	EM2:1 D/ EM1:1 D
23	EBS rear module +24V power supply	5081	EM1:1 D
24	EBS rear module ground	5082	EM1:1 D

XT56_B

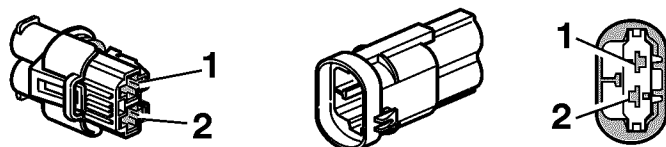
T3019018

Pin no:	Circuit function	Wiring no:	Diagram
1	Sensor chassis level front axle signal	879	FA1:2 D
2	Chassis level sensor –	8140	FA1:2 D
3	Chassis level sensor +	8142	FA1:2 D
4	ECS pressure sensor ground	899	FA1:1 D
5	ECS pressure sensors power supply	8077	FA1:1 D
6	ECS front air pressure sensor signal	8158	FA1:1 D

XT62

T3019020

Pin no:	Circuit function	Wiring no:	Diagram
1	Burglar alarm control	0039	EM1:1 B
3	Ground	1	GM:2 E
4	EBS footbrake valve ground	072	EM1:1 B
5	EBS footbrake sensor power supply	056	EM1:1 B
6	EBS footbrake valve	040	EM1:1 B
7	Climate compressor power supply before pressure sensor	489	HY:2 D
8	Climate compressor power supply	462	HY:3 D
9	Heated mirror power supply. Windscreen heater relay control	4	IF1:3 B
10	Low speed wiper motor power supply	504	GM:3 C
11	High speed wiper motor power supply	502	GM:2 C
12	Power supply kl. 15	501	GM:2 C
13	EBS footbrake sensor switch	5077	EM1:1 B
15	Wiper status	509	GM:2 D

XT65

T3019031

Pin no:	Circuit function	Wiring no:	Diagram
1	Power supply kl. 30 for windscreen heater	238	IF1:4 A

List of wiring numbers

0010	(XA:0 D)	141	(BA:1 C)	509	(GQ:4 A)
0011	(XA:0 D)	142	(BM:2 D)	522	(GF:1 C)
0012	(XB:0 E)	147	(AA:1 C)	602	(GB1:1 C)
0013	(XB:0 E)	158	(ND:3 D)	603	(GB1:2 C)
0021	(DO:0 C)	169	(AB:0 A)	604	(GC1:2 B)
0022	(DO:0 C)	202	(GQ:2 B)	605	(GQ:2 D)
0023	(BA:1 C)	203	(BM:1 B)	606	(AJ:0 D)
0028	(AA:2 B)	208	(NA:1 C)	608	(GD:1 C)
0039	(IN:3 D)	211	(AI:0 C)	618	(BK:4 B)
0045	(EM2:4 C)	214	(AG:0 B)	632	(GF:3 D)
0046	(EM2:4 C)	215	(IF2:2 B)	634	(GF:3 D)
0056	(BM:3 C)	229	(BM:1 B)	635	(GC3:3 B)
0067	(DQ1:2 B)	238	(IF:4 A)	651	(BK:4 B)
0068	(DQ1:2 B)	243	(KA:0 C)	661	(BA:2 C)
0147	(EN1:1 B)	260	(FA:4 B)	663	(GB1:3 B)
0148	(EN1:1 B)	263	(IN:2 B)	666	(GH1:4 B)
0151	(CU1:1 C)	270	(DQ1:0 B)	709	(BK:1 D)
0375	(IM:2 B)	273	(AI:1 D)	710	(BK:0 D)
0376	(EM2:0 C)	274	(FA:2 C)	718	(BK:0 C)
0377	(EM2:0 C)	275	(NC:2 B)	719	(BK:3 B)
0380	(EM2:0 C)	291	(CU1:0 A)	775	(BK:3 B)
0384	(NE:3 C)	292	(CU1:0 B)	803	(BK:0 B)
040	(EM1:1 B)	301	(GC3:1 B)	808	(CU3:2 B)
0403	(IN:2 C)	302	(GQ:2 D)	813	(FA:0 B)
0405	(BM:4 C)	303	(GQ:3 D)	814	(FA:0 B)
0411	(BK:1 B)	304	(GC2:2 B)	815	(FA:0 B)
0412	(BK:1 B)	305	(GC2:2 D)	816	(FA1:0 B)
0413	(IO:3 C)	307	(GB2:1 C)	825	(BM:2 C)
0414	(IO:3 C)	310	(GQ:0 B)	851	(HJ:4 D)
0460	(NB:0 C)	311	(GQ:0 C)	867	(BK:3 C)
0461	(NB:0 C)	312	(GQ1:1 C)	879	(FA2:2 D)
0462	(GF1:1 C)	313	(GA2:1 A)	880	(FA1:2 D)
0463	(GF1:1 C)	321	(GC2:4 B)	881	(FA:1 D)
056	(EM1:1 B)	322	(GC2:4 B)	899	(FA:1 D)
064	(EN1:3 A)	323	(GC2:4 C)	1018	(BA:0 C)
066	(EN1:3 A)	352	(BK:0 C)	1020	(GH3:2 D)
072	(EM1:1 A)	370	(GB2:2 B)	1021	(GH3:2 C)
1	(AA:1 E)	373	(GA1:2 B)	1025	(BA:0 C)
3	(GC3:1 B)	386	(BA:2 C)	1026	(BA:4 C)
4	(IF2:3 B)	388	(GC1:3 D)	1140	(BA:4 B)
7	(NA:4 C)	413	(HJ:4 D)	1141	(BA:4 B)
12	(BA:3 B)	414	(HJ:4 D)	1149	(AC:2 B)
13	(CU4:1 C)	428	(IF2:2 C)	1150	(AE:1 E)
22	(AE:1 B)	430	(IF2:2 C)	1155	(FA:3 C)
23	(CU4:1 B)	432	(IF2:2 C)	1159	(GQ:4 D)
24	(BK:0 B)	436	(IM:1 B)	1167	(CU4:0 D)
25	(AB:3 C)	437	(GC1:1 D)	1168	(CU4:0 D)
30	(GF:4 A)	444	(IU:2 C)	1200	(BA:3 C)
31	(AC:0 D)	447	(IU:3 C)	2014	(HY:0 C)
37	(GQ:2 D)	448	(IU:3 C)	2025	(AH:1 C)
38	(GC3:3 B)	451	(IU:2 C)	2057	(NB:3 D)
39	(GF:4 A)	452	(GF1:2 C)	2117	(AC:2 A)
45	(GH1:1 B)	456	(IQ1:3 B)	2120	(NB:3 B)
47	(IR:0 B)	462	(HY:3 E)	2121	(DQ:1 B)
59	(BA:1 C)	463	(HY:2 C)	2122	(BA:1 C)
60	(GB2:0 C)	469	(IQ:2 B)	2123	(BA:3 B)
62	(GB2:3 A)	470	(IQ:2 B)	2124	(BA:3 D)
64	(GA2:2 A)	476	(HJ1:2 B)	2125	(ND:2 C)
69	(GB2:1 B)	484	(IM:1 B)	2126	(AE:1 D)
76	(BK:0 C)	489	(HY:2 C)	2128	(GA2:4 D)
81	(CU1:1 D)	501	(GM:3 B)	2132	(HJ:3 B)
83	(KA:0 C)	502	(GM:2 D)	2223	(AA:0 B)
87	(BK:1 B)	503	(GM:1 C)	2226	(AB:1 D)
88	(BA:4 B)	504	(GM:3 D)	2227	(IM:4 B)
89	(NB:2 C)	506	(GQ:4 C)	2229	(AB:3 C)
119	(GH1:0 C)	507	(GM:2 C)	2230	(FC:1 B)

2231	(AG:3 C)	4322	(GH1:3 C)	8095	(NB:1 C)
2232	(IQ:3 A)	4323	(IU:2 D)	8100	(IO:0 C)
2234	(NA:3 C)	4324	(IU:2 D)	8104	(IO:0 C)
2302	(IR:1 B)	4325	(IU:2 D)	8108	(NE:0 C)
2303	(IN:3 D)	4326	(IU:3 D)	8110	(NA:4 C)
2304	(HJ:1 A)	4327	(IU:3 D)	8112	(DQ:4 B)
2306	(AA:1 B)	4328	(IU:3 D)	8113	(DQ:4 D)
2307	(AE:2 C)	4467	(BK:1 D)	8115	(ND:4 D)
2309	(EM1:4 C)	5028	(BA:2 D)	8116	(BK:4 B)
2310	(AH:4 C)	5031	(DQ1:1 D)	8118	(NA:3 C)
2311	(GA2:4 D)	5050	(EM2:1 C)	8119	(BA:4 C)
2312	(BT:2 A)	5066	(AC:1 A)	8120	(BA:4 C)
2315	(AG:4 E)	5067	(AC:1 B)	8121	(BA:2 C)
2316	(GQ:1 B)	5070	(AC:1 B)	8122	(IO:0 C)
2317	(AI:3 C)	5072	(CU1:1 A)	8123	(IO:0 C)
2323	(CU3:1 B)	5074	(BA1:2 B)	8124	(DU:0 B)
2325	(AJ:2 D)	5075	(BA:4 D)	8125	(DU:1 D)
2327	(BT:0 B)	5077	(EM1:1 A)	8129	(DU:0 C)
2328	(AA:2 B)	5079	(EN1:1 B)	8131	(IO:1 C)
2329	(CU1:0 B)	5080	(EN1:1 B)	8132	(IO:2 C)
2331	(IR:4 A)	5081	(EM1:1 D)	8133	(IO:2 C)
4002	(HJ:1 D)	5082	(EM1:1 D)	8134	(IO:3 C)
4003	(HJ:0 A)	5085	(EM2:3 B)	8136	(NE:4 C)
4004	(HJ:1 D)	5091	(EM2:1 C)	8137	(NB:0 C)
4014	(IQ:1 C)	5092	(EM2:1 C)	8138	(NB:0 C)
4015	(IQ:1 C)	5093	(EM2:1 C)	8140	(FA:1 D)
4060	(BA:0 B)	5094	(GM:0 C)	8142	(FA:1 D)
4306	(NA:3 C)	5095	(GM:0 B)	8158	(FA2:1 D)
4308	(IA:3 C)	5098	(AJ:0 D)	8159	(FA1:1 D)
4309	(IU:1 C)	5101	(CU3:0 C)	8160	(FA:0 D)
4311	(IM:2 D)	5102	(BA:1 C)	8161	(DQ:1 D)
4312	(IM:3 D)	5108	(BM:3 C)	8169	(NA:0 C)
4313	(IM:2 D)	5109	(DQ1:4 C)	8170	(NE:2 C)
4314	(IM:2 D)	8020	(NB:1 C)	8211	(CU4:0 D)
4315	(IM:1 D)	8040	(BK:3 D)	8213	(CU4:0 D)
4316	(IM:1 D)	8067	(BA:2 C)	8227	(BA1:3 B)
4317	(IM:1 D)	8077	(FA:0 D)		
4318	(IM:1 D)	8083	(BK:3 B)		
4321	(GH1:1 C)	8093	(BA1:2 C)		

List of components

A03	Instrument cluster (BK:0 B) (1000)	B29	Sensor, chassis level, lhs. rear axle (FA1:2 D) (1040)
A06L	El. adjustable seat (IA:1 B) (1007)	B29B	Sensor, chassis level, lhs. rear axle (FA2:1 D)
A06R	El. adjustable seat (IA:0 B) (1007)	B30	Sensor, chassis level, rhs. rear axle (FA:1 D/FA1: 2 D) (1040)
A07	Radio (IU:1 C/IU1:1 C) (1000)	B30B	Sensor, chassis level, rhs. rear axle (FA2:2 D)
A10	CD player (IU:2 E) (1006)	B37	Sensor, boost pressure and boost temperature (CU2:1 B) (1030)
A11	Control unit, door lock (IM:1 B) (1006)	B40ADR	Sensor, brake lining wear indicator, lhs. 1:st front axle, ADR (EN1:1 D)
A13A	Control unit, TECU (automatic transmission) (DO:1 C) (1499)	B40B	Sensor, brake lining wear indicator, lhs. 1:st front axle (EN1:0 D) (1057)
A14	Control unit, EMS (Engine Management System) (CU1:0 B/CU2:0 B) (1030)	B41ADR	Sensor, brake lining wear indicator, rhs. 1:st front axle, ADR (EN1:0 D)
A16	Control unit, ECS (Electronic Controlled air Suspension) (FA:0 C/FA1:0 C/FA2:1 C) (1000)	B41B	Sensor, brake lining wear indicator, rhs. 1:st front axle (EN1:0 D) (1057)
A17	Control unit, VECU (Vehicle ECU) (BA:0 C) (1000)	B42ADR	Sensor, brake lining wear indicator, lhs. 1:st driven rear axle, ADR (EN1:3 D)
A19B	Control unit, GECU (gear selector ECU) (DQ1:4 B) (1000)	B43ADR	Sensor, brake lining wear indicator, lhs. 1:st driven rear axle, ADR (EN1:2 D)
A20	Control unit, Immobiliser (IM:4 C) (1000)	B51	Sensor, fuel pressure (CU1:3 B) (1030)
A21	Control unit, EBS (Electronic Brake System) (EM1:0 C/EM2:0 C) (1000)	B52	Sensor, water level, water separator (CU1:2 D) (1057)
A27	Control unit, LCM (Light Control Module) (GQ:1 C) (1000)	B52B	Sensor, water level, water separator (CU1:2 D)
A28B	Control unit, ADR battery main switch (AC:2 C) (1057)	B52S	Sensor, water level, water separator (CU1:2 D)
A31	Control unit, burglar alarm (IN:0 C) (1006)	B56	Sensor, air pressure, suspension bellows, front axle (FA1:1 D/FA2:0 D)
A32B	Control unit, parking heater (HJ:1 C) (1007)	B57	Sensor, air pressure, suspension bellows, lhs. rear (FA1:1 D/FA2:0 D) (1040)
A32C	Control unit, parking heater (HJ1:1 C) (1007)	B58	Sensor, air pressure, suspension bellows, rhs. rear (FA:0 D/FA1:1 D/FA2:1 D) (1040)
A33	Tachograph (BM:1 B) (1006)	B60LF	Loudspeaker (IU:2 B) (1006)
A36	Control unit, BBM (Body Builder Module) (IO:1 C) (1000)	B60RF	Loudspeaker (IU:3 B) (1006)
A57	Control unit, Transmission (DQ1:0 C) (1499)	B63	Microphone (handsfree) (IU1:1 B) (1006)
A63	Control unit, APM (air power management) (FC:1 B) (1057)	B90	Transmitter, movement sensor (IN:3 B) (1006)
A63C	Control unit, APM (air power management) (FC:1 B) (1057)	B91	Receiver, movement sensor (IN:3 B) (1006)
A64	Control unit, Turn indicator control (GQ:1 C) (1000)	B96	Sensor, NOx (CAN based) (CU4:3 B) (1057)
A71	Engine running time counter (KA:3 C) (1007)	B96E	Sensor, NOx (CAN based), Sweeper (CU4:4 B) (1057)
A72	Component group, sensors, transmission (DQ1:1 D) (1499)	B97	Sensor, exhaust temp (before catalyst) (CU4:1 D) (1057)
A73	Citizen Band unit (IR:3 B) (1006)	B105A	Sensor, Climate unit compressor pressure (HY:2 D) (1501)
A76	Cigarette lighter module (IA:3 C) (1000)	B107DS	Sensor, Door open/closed (GH1:1 D) (1000)
A94_B	FMS Gateway, Fleet Management System (BT:1 B) (1000)	B107PS	Sensor, Door open/closed (GH1:2 D) (1000)
A95	Control unit, GSECU (gear selector gateway) (DO:3 C) (1000)	B118	Sensor, oil pressure (CU1:2 B) (1030)
A101	Pack office(IR:4 D)	B119	Sensor, oil level and oil temp (CU1:3 A) (1030)
A108	Control unit, NDS (Noxcare distribution unit) (CU4:0 C) (1057)	B139	Sensor, Rail pressure (CU2:1 B) (1030)
A117	TCM component group (EM2:0 D) (1040)	B146L1	Sensor, Disc brake pad, rear L1 (BK:3 E) (1040)
B03	Sensor, footbrake valve (EM1:1 A) (1501)	B146R1	Sensor, Disc brake pad, rear R1 (BK:3 E) (1040)
B04	Sensor, engine speed, crankshaft (CU2:2 B) (1030)	B147L1	Sensor, Disc brake pad, front L1 (BK:2 D) (1057)
B05	Sensor, engine speed, camshaft (CU2:3 B) (1030)	B147R1	Sensor, Disc brake pad, front R1 (BK:3 D) (1057)
B07	Sensor, fuel level (BK:0 D) (1040)	B158	Sensor, Level and Temp, NOxCare Tank (CU4:0 D) (1057)
B07B	Sensor, fuel level (BK:0 D)	B161L	Sensor, Door open/closed rear left (4 Doors cab) (GH3:2 D) (1007/1083)
B07S	Sensor, fuel level (BK:1 D)	B161R	Sensor, Door open/closed rear right (4 Doors cab) (GH3:2 D) (1007/1083)
B07LS	Sensor, fuel level (BK:1 D)	B164L	Loudspeaker (IU1:2 B) (1006)
B12A	Sensor, tachograph/speedometer (BM:1 E) (1494)	B164R	Loudspeaker (IU1:3 B) (1006)
B12C	Sensor, tachograph/speedometer (BM:2 E) (1494)	B178	Sensor, brake lining wear indicator, lhs, driver rear axle (EN1:3 D) (1040)
B13B	Sensor, wheel speed, lhs. 1:st front axle (EN1:1 D) (1057)	B179	Sensor, brake lining wear indicator, rhs, driver rear axle (EN1:3 D) (1040)
B14B	Sensor, wheel speed, rhs. 1:st front axle (EN1:1 D) (1057)	B180	Sensor, wheel speed, lhs, driven rear axle (EN1:4 D) (1040)
B21	Sensor, coolant temperature, engine (CU1:2 B) (1030)		
B22	Sensor, outside temperature (BK:1 E) (1083)		
B25	Sensor, accelerator pedal (BA:4 E) (1000)		
B28	Sensor, chassis level, front axle (FA1:2 D/FA2:1 D)		

B181	Sensor, wheel speed, rhs, driven rear axle (EN1:4 D) (1040)	R40SB	Heater, NOxCare (CU4:2 B) (1057)
E07VDS	Lamp, fog light, left (GC1:4 C) (1447)	S02	Stalk switch, full-/dipped beam, direction indicator (GA1:2 B/GB1:1 B/GB2:2 A/GB2:1 A/GQ:1 B/GQ1:3 B) (1000)
E07VPS	Lamp, fog light, right (GC1:4 C) (1447)	S04	Switch unit, climate fan (HY:1 B) (1000)
E11LC	Lamp, side marker light (GC2:0 D)	S06	Stalk switch, windscreen wiper, selector type (GM:3 B) (1000)
E11LF	Lamp, side marker light (GC2:0 D)	S08B	Switch, differential gear lock, rear wheels and rear inter-axle (DU:3 B) (1000)
E11LR	Lamp, side marker light (GC2:0 D)	S15	Switch, starting (AB:1 B/AE:1 B) (1000)
E11LR4D	Lamp, side marker light (GC2:1 D) (1057)	S21A	Switch, parking heater (HJ:1 B) (1000)
E11LW	Lamp, side marker light (GC2:1 D) (1040)	S21D	Switch, parking heater (HJ1:1 B) (1000)
E11RC	Lamp, side marker light (GC2:0 B)	S22	Switch, levelling control, headlights (GC1:1 B) (1000)
E11RF	Lamp, side marker light (GC2:0 B)	S23	Switch, roof hatch, selector type (IQ:1 B) (1006)
E11RR	Lamp, side marker light (GC2:0 B)	S24	Stalk switch, retarder, selector type (BA:3 F) (1000)
E11RR4D	Lamp, side marker light (GC2:1 B) (1057)	S28A	Switch, power take off 1 (DQ:2 B) (1000)
E11RW	Lamp, side marker light (GC2:1 B) (1040)	S30	Switch unit, multi-function display (BK:2 A) (1000)
E12DS	Lamp, roof position light (GC2:2 D) (1006)	S31A	Switch, ASR request (EM2:2 A) (1000)
E12PS	Lamp, roof position light (GC2:2 B) (1006)	S32A	Switch, Hill start aid (EM2:3 A) (1000)
E13LS	Lamp, direction indicator (GC2:2 D) (1057)	S38	Switch, ADR, emergency switch, cab (AC:2 A) (1000)
E13RS	Lamp, direction indicator (GC2:2 B) (1057)	S39	Switch, ADR, emergency switch, exterior (AC:2 B) (1057)
E14L	Lamp, beacon warning lamp (GC2:3 D) (1047)	S45	Position switch, differential gear lock indicator, rear wheels, NC. or NO. (DU:3 C) (1040)
E14R	Lamp, beacon warning lamp (GC2:4 D) (1047)	S48A	Pressure switch, brake light, NO. (GD:4 B) (1000)
E16DS	Lamp, instep light (GH1:3 C) (1083)	S49	Position switch, reverse lamps, NO. (GD:0 D) (1494)
E16PS	Lamp, instep light (GH1:3 C) (1083)	S61	Position switch, seat belt lock, NC. (IA:2 C) (1007)
E26VDS	Headlight module (GC1:0 C) (1447)	S67B	Switch unit, ECS (electronic controlled susp.), max rear air suspension (FA:1 E/FA1:3 D/FA2:3 E) (1000)
E26VPS	Headlight module (GC1:2 C) (1447)	S73	Switch, acoustic reverse warning (GD:1 C) (1006)
E27L	Tail lamp module (GC3:1 C) (1040)	S75	Switch, beacon warning light (GC2:4 B) (1006)
E27R	Tail lamp module (GC3:3 C) (1040)	S90	Position switch, Neutral (BA:3 B) (1494)
E39	Licence Plate Illumination (GC3:0 C)	S95	Switch, Panic alarm (IN:2 B) (1006)
E51DS	Simple lamp, interior light, left (GH1:0 C) (1006)	S96	Switch, Reduced set, Alarm (IN:2 B) (1006)
E51PS	Simple lamp, interior light, right (GH1:1 B) (1006)	S102	Switch, auto/manu (BA:2 B) (1000)
E52DS	Lamp, roof, left (GH2:2 C) (1006)	S103	Switch, heated mirror, mirror adjustment (IF1:1 E/IF2:1 D) (1083)
E52PS	Lamp, roof, right (GH2:2 C) (1006)	S105	Switch, hazard warning light (GQ:2 B) (1000)
E70L	Simple lamp, interior light, rear left (GH3:1 B) (1006)	S106DS	Switch, passenger window winder (IQ:2 B) (1083)
E70R	Simple lamp, interior light, rear right (GH3:1 B) (1006)	S106PS	Switch, passenger window winder (IQ:2 C) (1083)
E71L	Lamp, instep light, rear left (GH3:3 B) (1083)	S107	Switch, driver window winder (IQ:4 B) (1083)
E71R	Lamp, instep light, rear right (GH3:4 B) (1083)	S112	Switch, engine stop (CU2:4 B) (1030)
G01A	Battery (AA:1 D/AC:0 C)	S115	Switch, door lock (IM:1 A) (1006)
G01B	Battery (AA:1 D/AC:0 C)	S123	Switch, mirror defrost (IF1:0 B) (1083)
G02	Alternator (AB:1 E/AE:0 C) (1030)	S124C	Position switch, PTO 1 feedback (DQ:1 C) (1494)
H01	Horn, air-operated (GQ1:3 D) (1447)	S124G	Position switch, PTO gearbox (DQ:3 C)
H06	Siren (IN:3 D) (1057)	S124J	Position switch, PTO 1 feedback (Allison) (DQ:1 C) (1494)
H09	Horn, electric (GQ1:4 D) (1447)	S124K	Position switch, PTO gearbox (ATO1056) (DQ:3 C)
H10	Buzzer, reverse (GD:1 E) (1040)	S124Z	Position switch, PTO 1 feedback (ATO1056) (DQ:1 C) (1494)
M01	Motor, windscreen wiper (GM:2 D) (1501)	S125	Switch, body builder, ridge lighting (NB:4 B) (1000)
M03	Motor, headlamp high pressure washer pump (GM:0 D) (1447)	S126	Switch, body builder, machine on (NB:3 B) (1000)
M04	Motor, starter motor (AA:3 D/AC:3 D) (1030)	S131	Switch, difficult terrain, increase engine RPM (BA:0 D) (1000)
M06DS	Motor, window winder (IQ:4 D) (1083)	S133	Switch, level control, rear axle suspension (FA:4 D/FA2:4 C) (1000)
M06PS	Motor, window winder (IQ:2 D) (1083)	S134	Switch, level memory, rear axle suspension (FA:4 E/FA2:4 D) (1000)
M09DS	Motor, door lock (IM:1 D) (1083)	S135	Switch, present level, rear axle suspension (FA:3 C/FA2:4 B) (1000)
M09PS	Motor, door lock (IM:1 D) (1083)	S137A	Switch, PTO 2 request (DQ:4 D) (1000)
M09RL	Motor, door lock (IM:2 E) (1083)	S137B	Switch, PTO 3 request (DQ:4 B) (1000)
M09RR	Motor, door lock (IM:3 E) (1083)	S146	Switch, R/+ and S/- (BA:3 B) (1000)
M10	Motor, roof hatch (IQ:1 D) (1006)	S147B	Switch, RPM regulation (BA:2 B) (1000)
M27L	Motor, rear left window winder (IQ1:1 D) (1083)		
M27R	Motor, rear right window winder (IQ1:3 D) (1083)		
R01B	Heater, engine preheat (CU3:1 C) (1030)		
R02D	Heater, rear-view mirror (IF1:2 C/IF2:2 C) (1083)		
R02P	Heater, rear-view mirror (IF1:2 D/IF2:2 B) (1083)		
R10	Rear heater, fuel filter (CU3:4 D) (1057)		
R15	Windscreen heater (IF1:4 C) (1501)		
R22	Resistor, alternator control (AB:2 C/AE:1 C)		
R27	Resistor, heater gasoil (CU:3 C) (1030)		
R38	Heater, NOxCare pump filter (CU4:2 B) (1057)		
R40BL	Heater, NOxCare (CU4:1 B) (1057)		
R40GN	Heater, NOxCare (CU4:1 B) (1057)		
R40GR	Heater, NOxCare (CU4:0 B) (1057)		

S150	Pressure switch, range preselection (DC:3 C) (1030/1494)	X66	Connector, USB, Audio (IU1:2 E) (1000)
S151	Rheostat, temperature control (HJ:0 C/HJ1:0 C) (1000)	X67	Connector, AUX, Audio (IU1:2 E) (1000)
S156A	Switch, gear selector stalk (DO:3 D) (1000)	X69	Plug, diagnostics (DO:0 B) (1000)
S167	Switch, body builder disposal (NB:0 A)	Y02B	Solenoid valve, differential lock, rear wheels (DU:2 C) (1040)
S182L	Switch, rear left window winder (IQ1:1 C) (1083)	Y07	Solenoid valve, EPG (Exhaust Pressure Governor) (CU1:2 D) (1030)
S182R	Switch, rear right window winder (IQ1:3 C) (1083)	Y18	Solenoid valve, PTO (Power Take Off) (DQ:3 C) (1057)
S205	Switch, auto neutral (EM2:4 B) (1000)	Y18G	Solenoid valve, PTO (Power Take Off) (DQ:0 C) (1057)
S212	Switch, tail lift (NB:0 A) (1000)	Y18J	Solenoid valve, PTO (Power Take Off) (DQ:3 C) (1057)
U03_1C	Modulator, EBS, rear axle (EN1:3 B) (1040)	Y18K	Solenoid valve, PTO (Power Take Off) (DQ:0 C) (1057)
U06A	Voltage converter (IR:0 B) (1000)	Y18X	Solenoid valve, PTO (Power Take Off) (DQ:0 C) (1494)
U06R10	Voltage converter 10A (IR:3 B) (1006)	Y25	Solenoid valve unit, level control, air suspension (FA1:1 A/FA2:1 B) (1040)
U06R15	Voltage converter 15A (IR:1 B) (1006)	Y32	Fuel dosing pump, parking heater (HJ:4 D/HJ1:4 D) (1040)
U06R15A	Voltage converter 15A (IR1:1 B)	Y33A	Solenoid valve, UI (Unit Injectors) (CU2:1 D) (1030)
U11	Modulator, EBS, front axle (EN1:0 B) (1057)	Y33B	Solenoid valve, UI (Unit Injectors) (CU2:1 D) (1030)
V01	Diode (BA:1 B)	Y33C	Solenoid valve, UI (Unit Injectors) (CU2:1 D) (1030)
V02	Diode (NB:3 B)	Y33D	Solenoid valve, UI (Unit Injectors) (CU2:2 D) (1030)
V07	Diode, Alarm indicator (IN:3 D) (1006)	Y33E	Solenoid valve, UI (Unit Injectors) (CU2:2 D) (1030)
V08	Diode (AB:3 C/AE:2 C)	Y33F	Solenoid valve, UI (Unit Injectors) (CU2:2 D) (1030)
V09	Diode (AE:3 C) (EJB pos. D3)	Y40A	Solenoid valve unit, front axle, air suspension (FA1:0 A/FA2:0 B)
V10	Diode (AE:3 D) (EJB pos. D4)	Y40R	Solenoid valve unit, rear axle, air suspension (FA:0 A) (1040)
V11	Diode (BA:3 B) (EJB pos. D5)	Y42	Clutch, magnetic, air conditioning compressor (HY:4 D) (1030)
V12	Diode, central locking system (IM:3 B)	Y78	Solenoid valve, high pressure pump (CU2:4 C) (1030)
V15	Diode (KA:1 C) (EJB pos. D6)	Y82	Solenoid valve, single H (DC:1 C) (1030/1499)
V17	Diode (GH1:1 C)	Y89	Solenoid valve, NOxCare dosing unit (CU4:2 D) (1057)
V18	Diode (NA:0 B) (EJB pos. D2)	Y90	Solenoid valve, NOxCare heating tank (CU4:3 C) (1057)
V29	Diode (GH3:3 D)	Y91A	Solenoid valve, Jacob brake, No 1. (CU1:3 D) (1030)
W01	Antenna, radio (IU:4 B/IU1:4 C) (1000)	Y91B	Solenoid valve, Jacob brake, No 2. (CU1:3 D) (1030)
W02	Antenna, immobiliser (IM:4 C) (1000)		
X02R	Trailer connection, ABS/EBS (GF:1 C) (1040)		
X03R	Trailer connection, 15-pole unit (GF:3 C) (1040)		
X10	B+ pass through, cab (AA:4 B/AC:4 B) (battery connections)		
X22	Socket, +24V main power supply (IR:4 B) (1000)		
X24	Socket, +24V accessories power supply (IR:0 A/IR1:2 D) (1000)		
X26	Connector, fleet management (BT:1 C) (1000)		
X35	Clockspring (BA:3 D/GQ1:1 A) (1000)		
X36	CAN 1 inter connection box (XB:1 B) (1000)		
X43	Plug, OBD (GF1:0 B) (1000)		
X44	Socket +24V, cubic storage (IR:4 C) (1007)		
X45	Second fueltank ground connection (BK:1 D)		
X53	Plug, diagnostics (DQ1:1 A) (1000)		
X62	Connector, tail lift preparation (NC:3 C) (1040)		

Abbreviations

ABS	Antilock brake system	LHD	Left hand drive
ACU	Alarm control unit	LHS	Left hand side
ADR	ADR adaptation	LOCK-ALL	Central door lock and cut off electricity of truck
AL306	Gearbox, automatic transmission	LR	Left rear
APM	Air pressure management	OBD	On board diagnostics
ASR	Anti slip regulation	PS	Passenger side
ATO1056	Gearbox, automated mechanical transmission	PTO	Power take off
AUD-CDB	Audio system, radio, CD-player, basic	PWM	Pulse width modulated
AUD-CDM	Audio system, radio, CD-player, MP3	R	Right
BBM	Body builder module	RF	Right front
BBOX-R	Battery box right hand side	RHD	Right hand drive
CLU	Central locking unit	RHS	Right hand side
DS	Driver side	RIGID	Platform or tipper truck
EBS	Electronic brake system	RPM	Revolutions per minute
ECS	Electronic controlled air suspension	RR	Right rear
ECU	Electronic control unit	SCR	Selective Catalyst Reduction
EJB	Electrical junction box	STWPOS-L	Steering wheel position left hand side
ELCE-CK	Electrical complete kit for body builder	STWPOS-R	Steering wheel position right hand side
EMS	Engine management system	SUSPL-E1	Air suspension, electronic control system levelling device, 1 sensor
ENG-VE7	Volvo engine 7 litre	SUSPL-E3	Air suspension, electronic control system levelling device, 1 sensor, switch on dashboard
EPG	Exhaust pressure governor	SUSPL-EC	Air suspension, electronic control system levelling device
FMS	Fleet management system	TECU	Transmission electronic control unit
FSS-LEAF	Leaf suspension, front	TNK-PREP	Tanker preparation
GECU	Gear selector electronic control unit	TRACTOR	Semi-trailer tractor
GSECU	Gear selector gateway	TTYPE-R	Transport type, refuse
GVW14000	Gross vehicle weight 14000 kg	TTYPE-S	Transport type, sweeper
GVW16000	Gross vehicle weight 16000 kg	UADR	Without ADR adaptation
GVW18000	Gross vehicle weight 18000 kg	VECU	Vehicle electronic control unit
L	Left	ZTO1006	Gearbox variant, 6 speed
LCM	Light control module	ZTO1109	Gearbox variant, 9 speed
L1H1	Short cab		
L2H1	Long cab		
L4HIC	Long cab, crew cab		
LF	Left front		

Feedback

One of our objectives is that workshop personnel should have access to correct and appropriate service manuals where it concerns fault tracing, repairs and maintenance. In order to maintain the high standards of our literature, your opinions and experience when using this manual would be greatly appreciated. If you have any comments or suggestions, make a copy of this page, write down your comments and send them to us, either via telefax or mailing directly to the address listed below.

To

Volvo Parts Corporation
Dept. Technical Support Center 31450
SE-405 08 GÖTEBORG

Fax +46 31 661060

From

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Comments/proposals

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Concerns Service Manual:

VOLVO

Volvo Truck Corporation

Göteborg, Sweden