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D-19613-50		See DCN	RELEASED		Date Modification Count

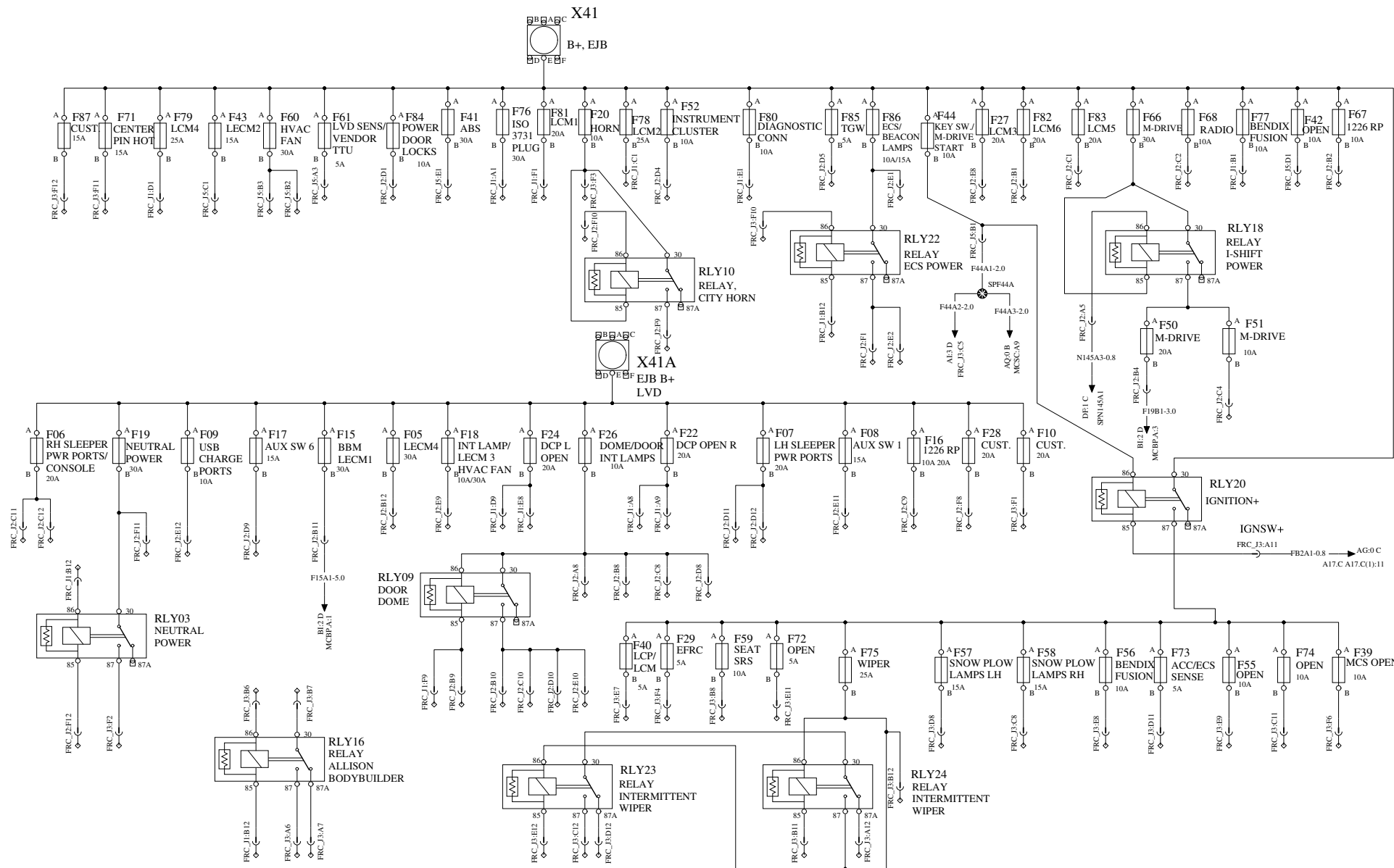
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	Document type			
PRODUCT SCHEMATICS				
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POWER DISTRIBUTION FRC 1/2

WIRING DIAGRAM: AA



VOLVO

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WIRING DIAGRAM, MMD VECU5 DIESEL

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Issue

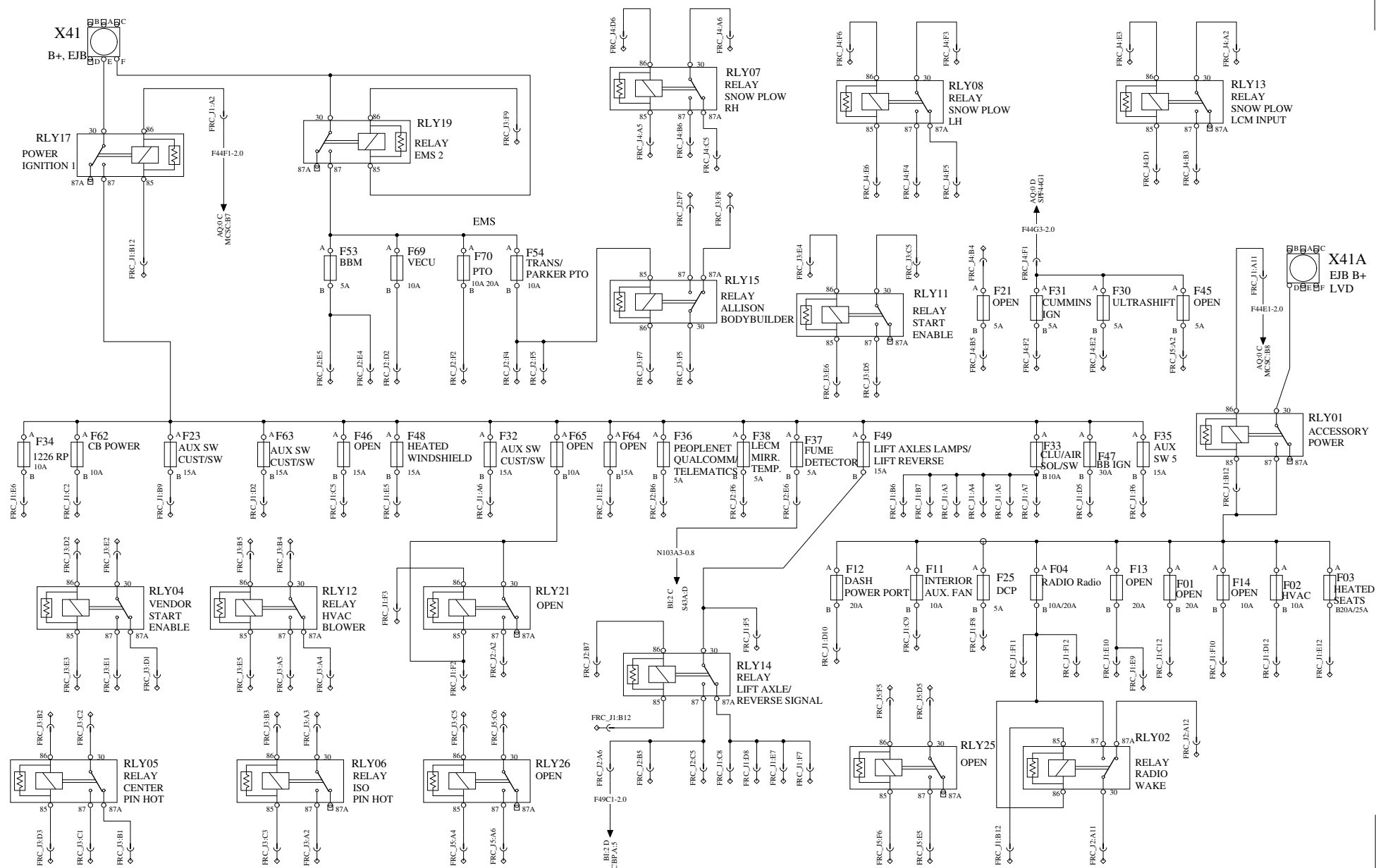
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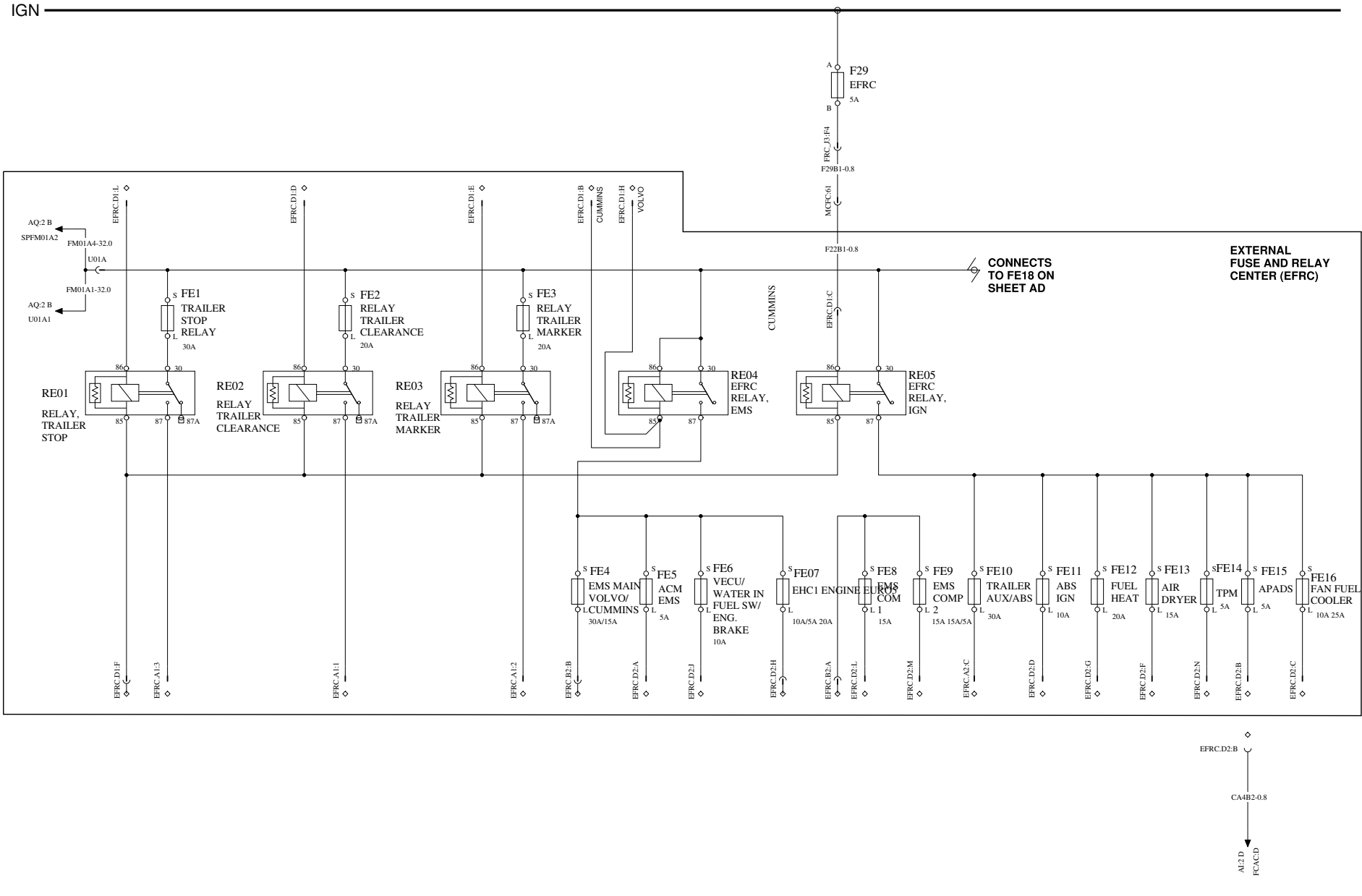
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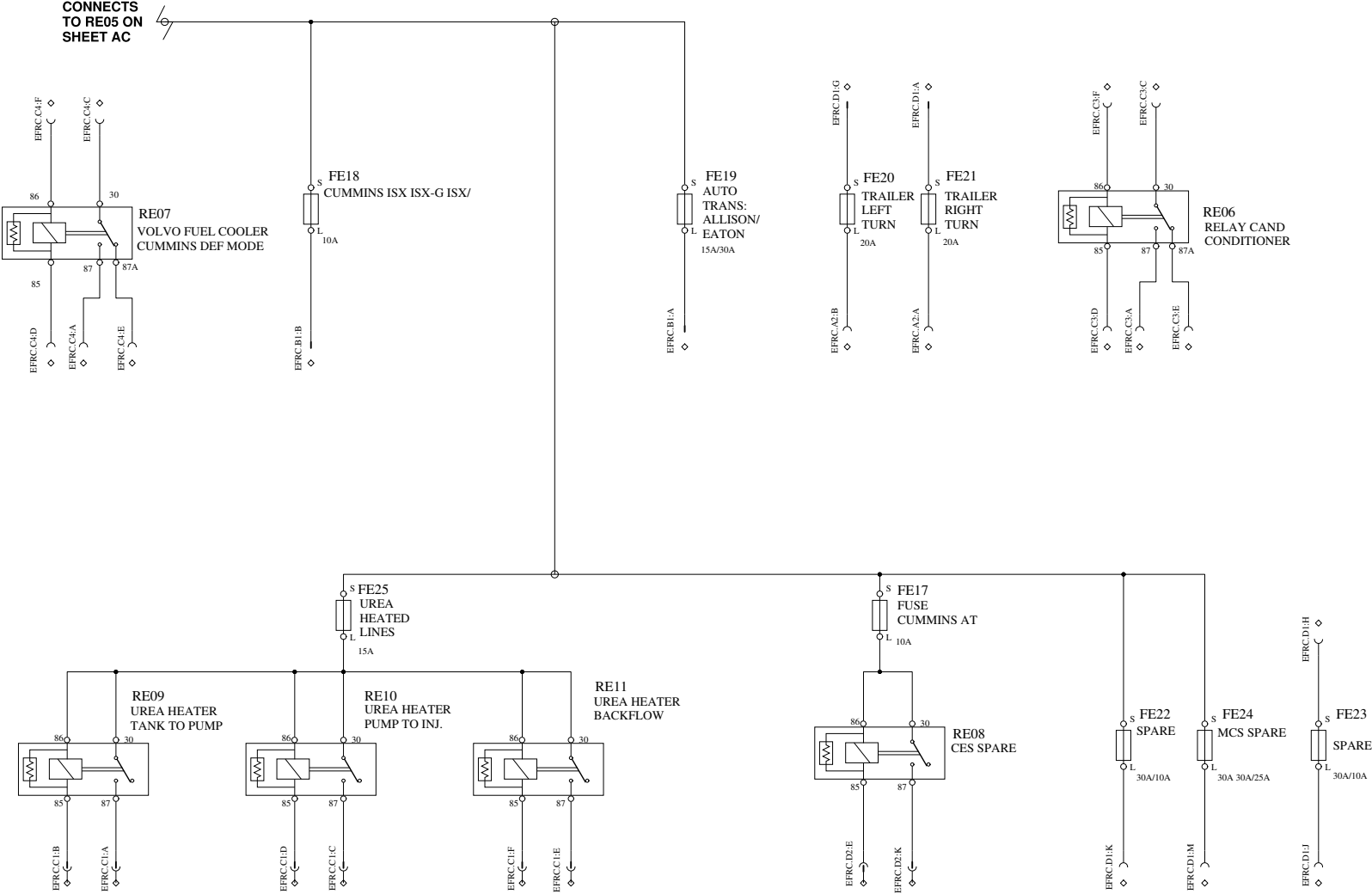
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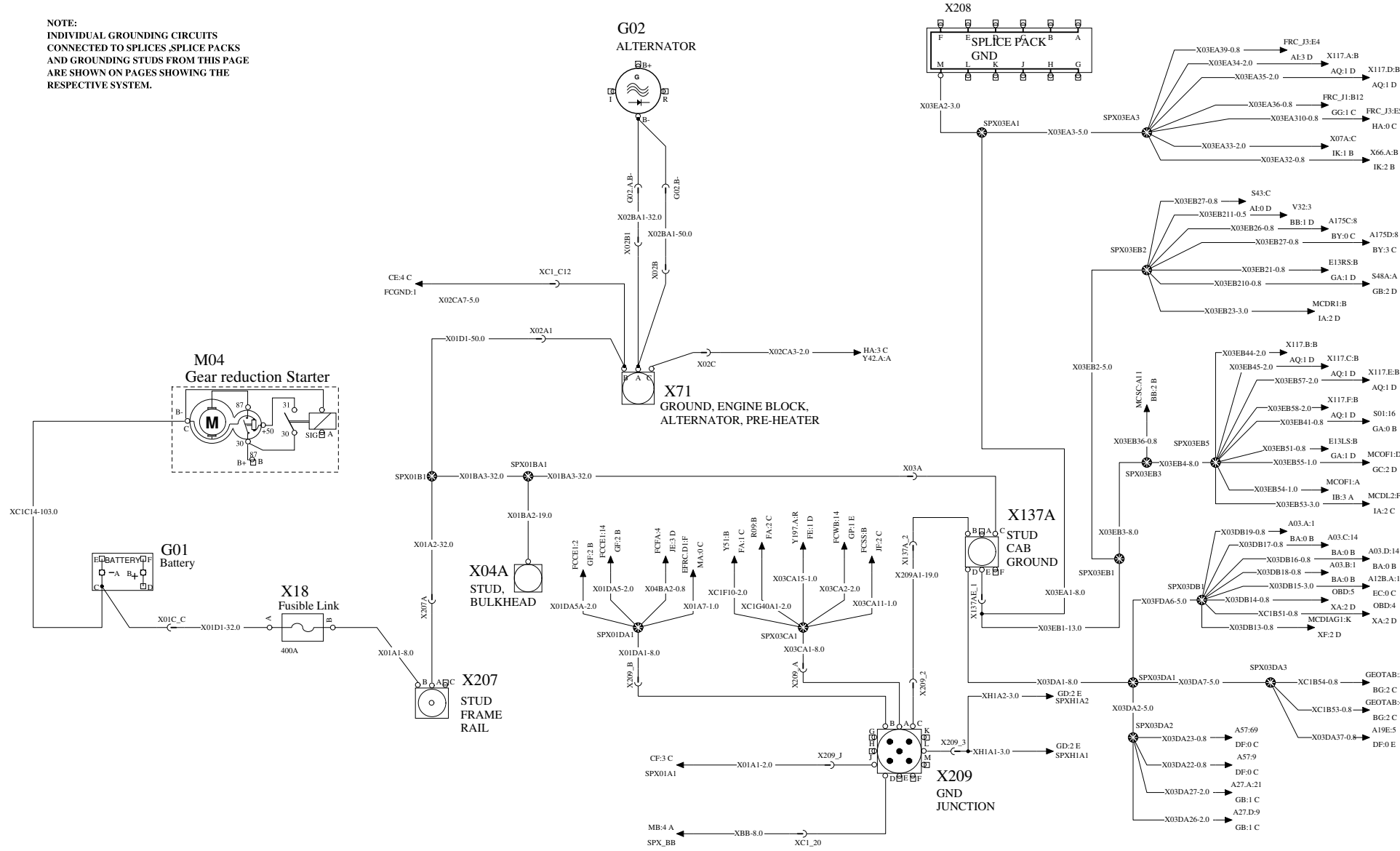




GROUNDING

WIRING DIAGRAM: AE

NOTE:
INDIVIDUAL GROUNDING CIRCUITS
CONNECTED TO SPLICES, SPICE PACKS
AND GROUNDING STUDS FROM THIS PAGE
ARE SHOWN ON PAGES SHOWING THE
RESPECTIVE SYSTEM.



VOLVO

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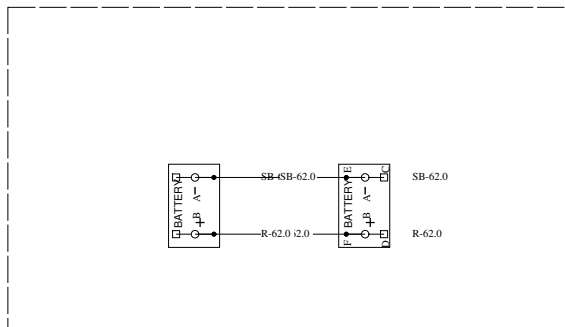
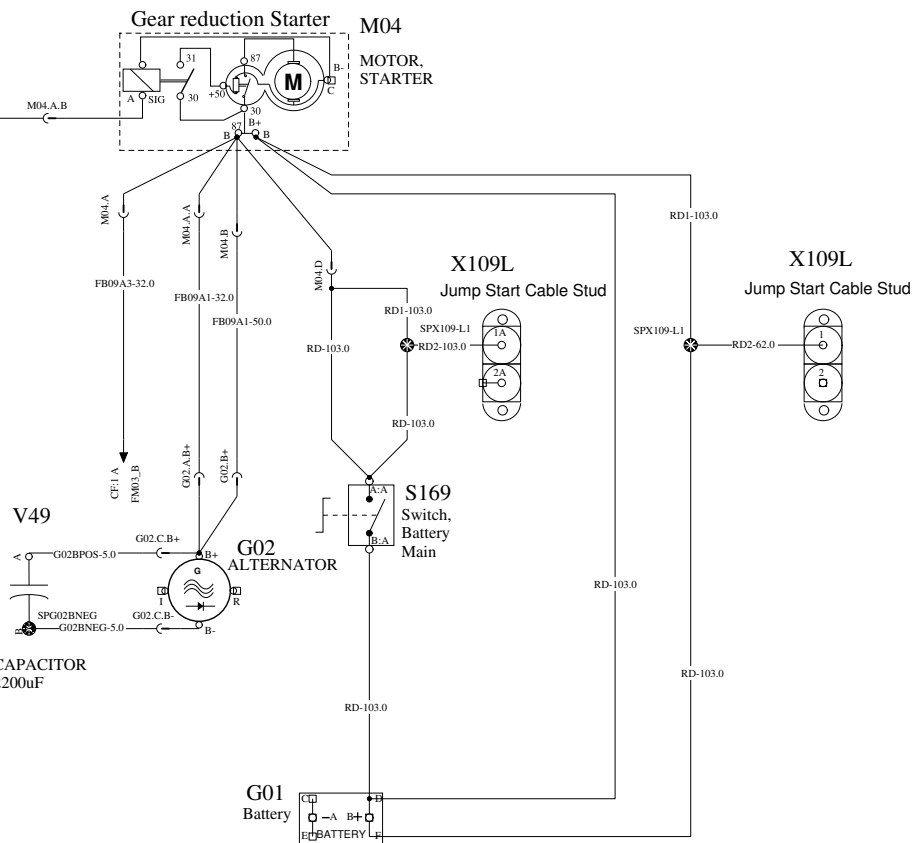
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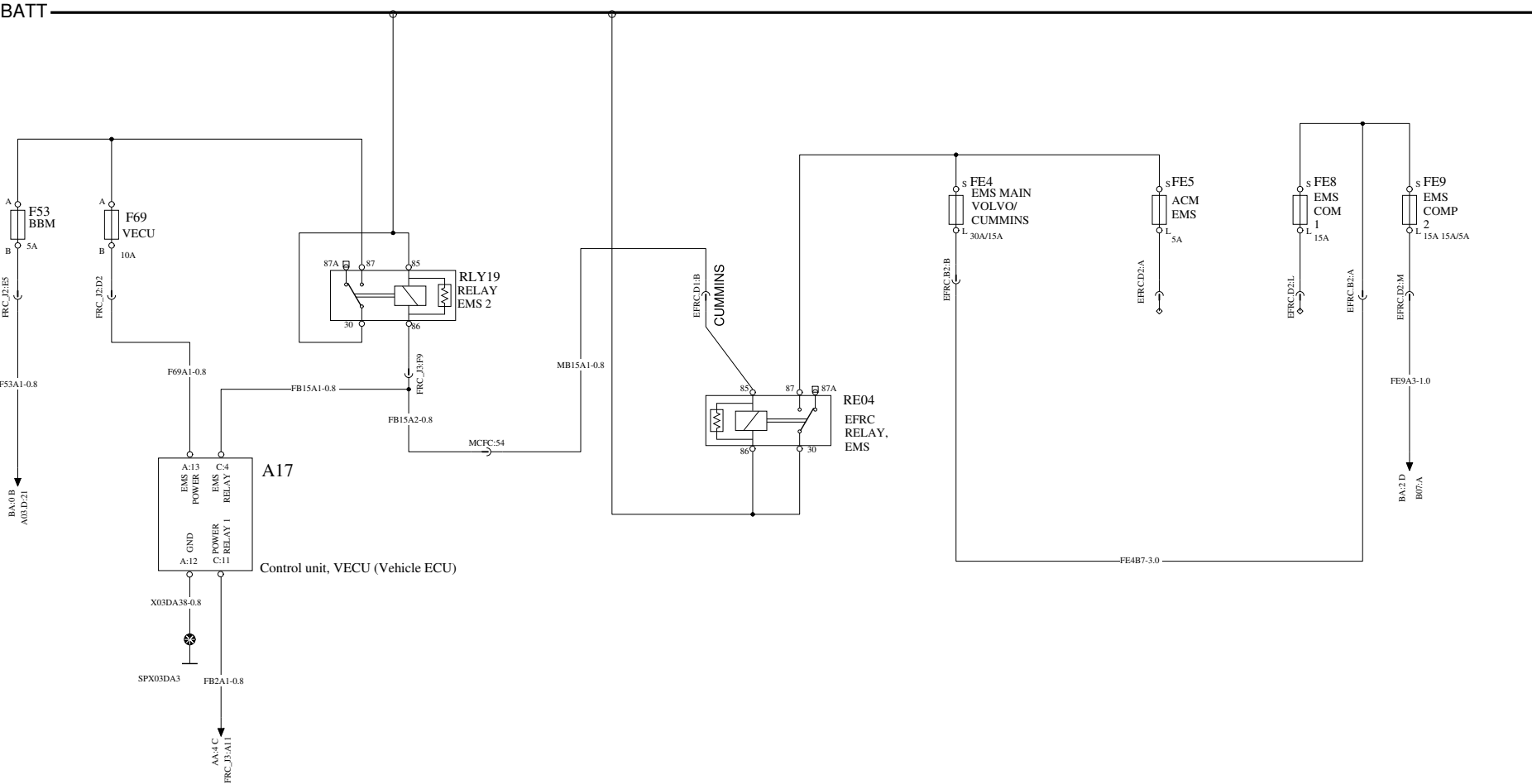
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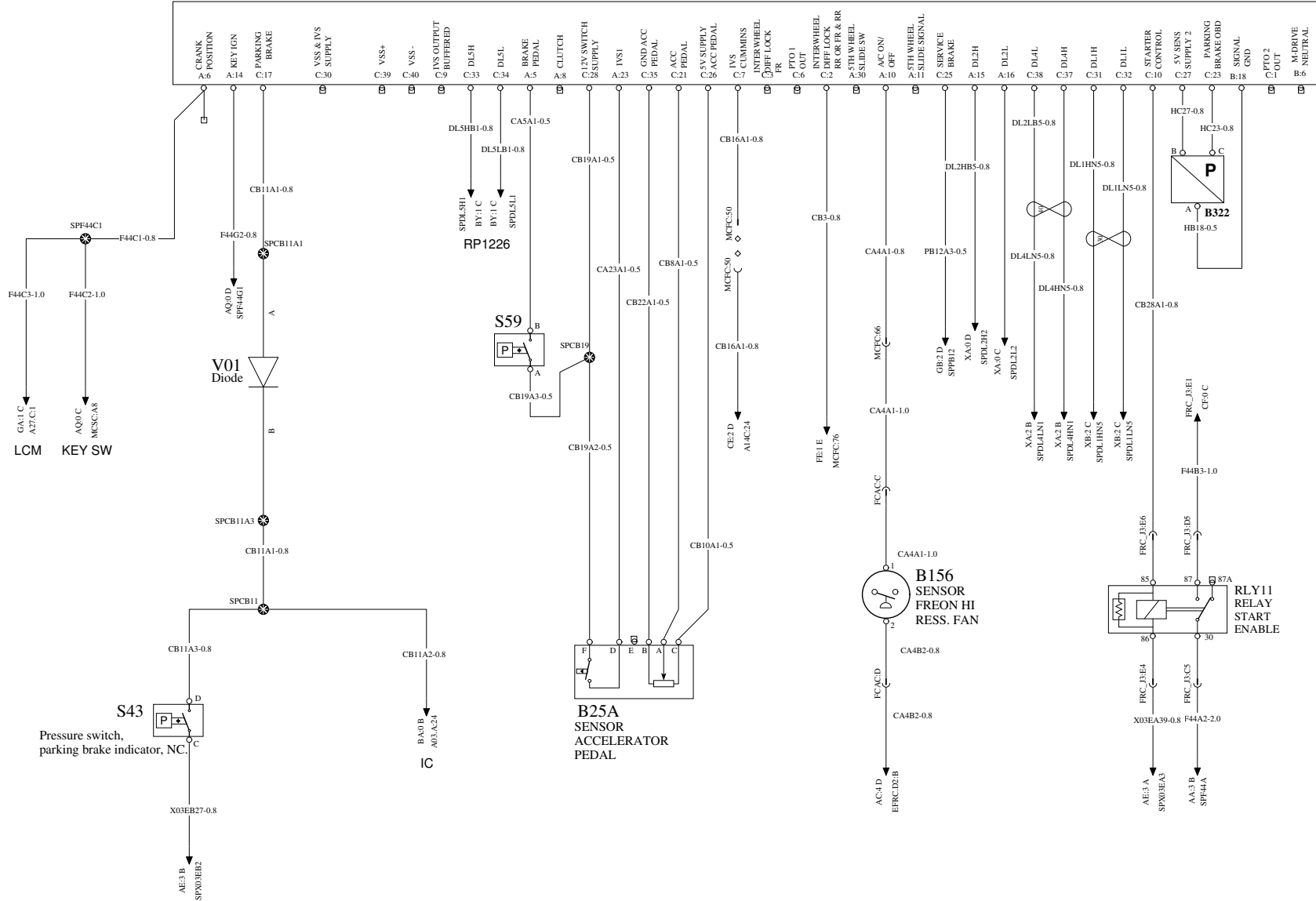
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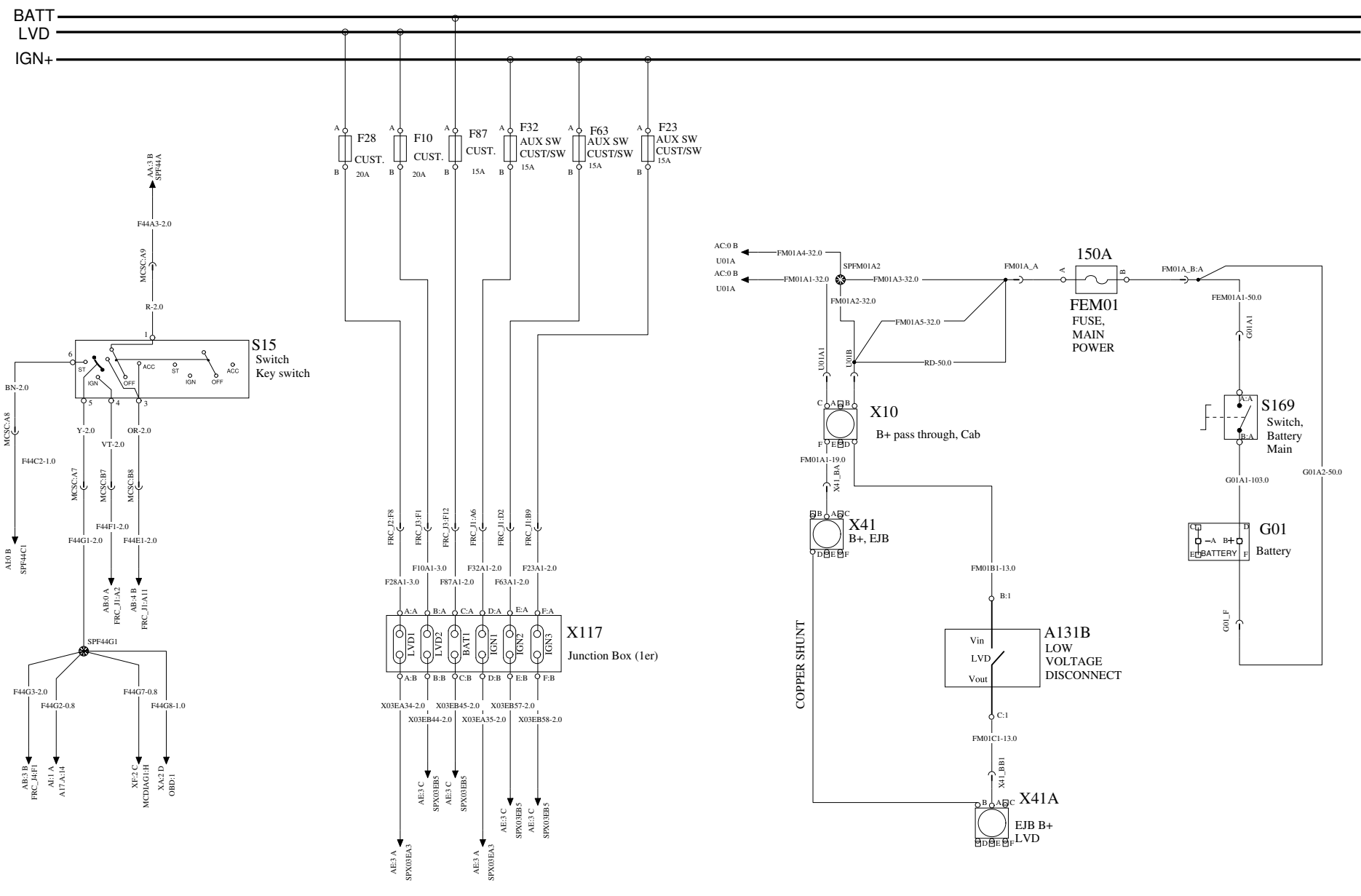


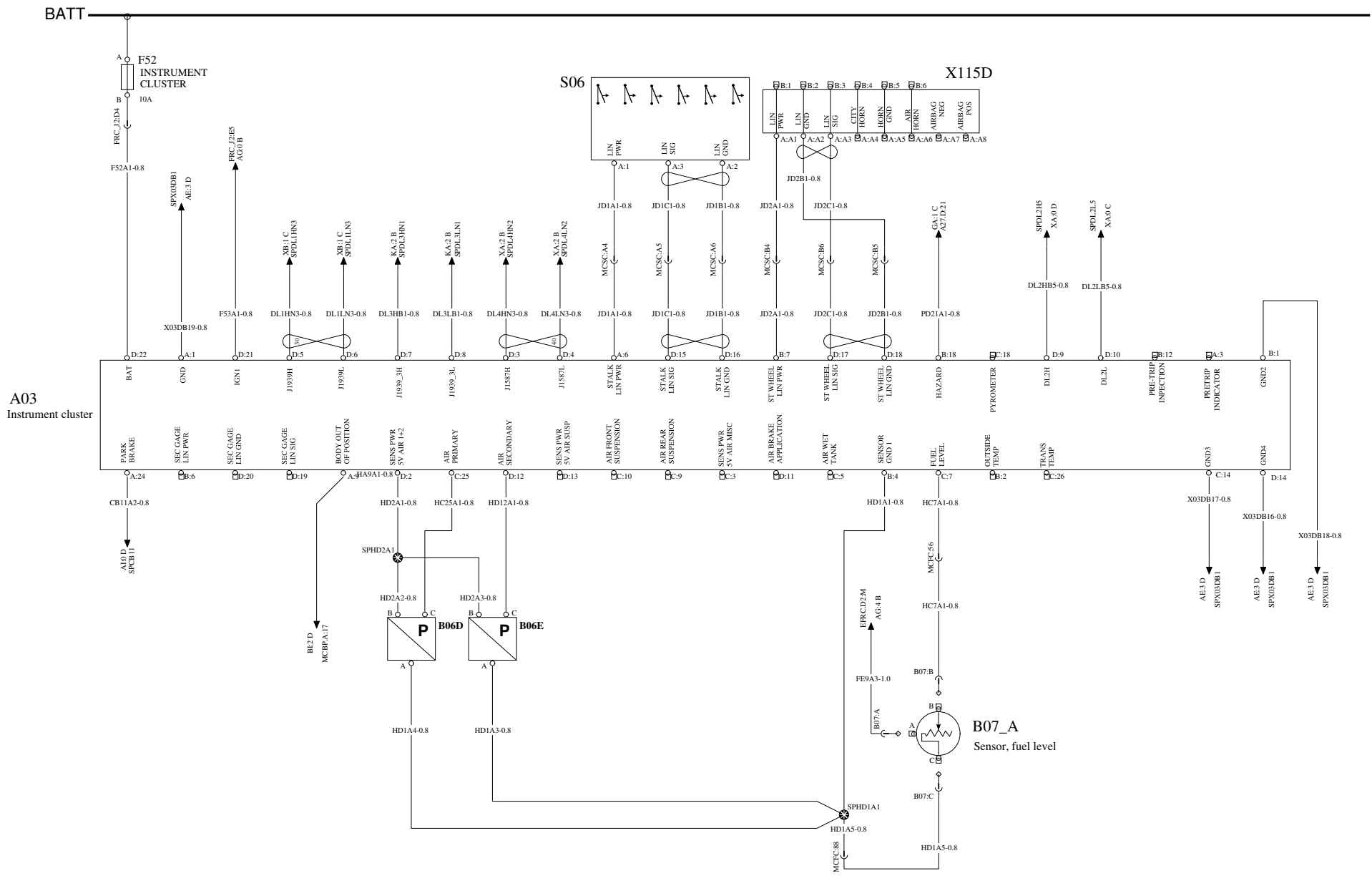
A17
Control unit, VECU (Vehicle ECU)

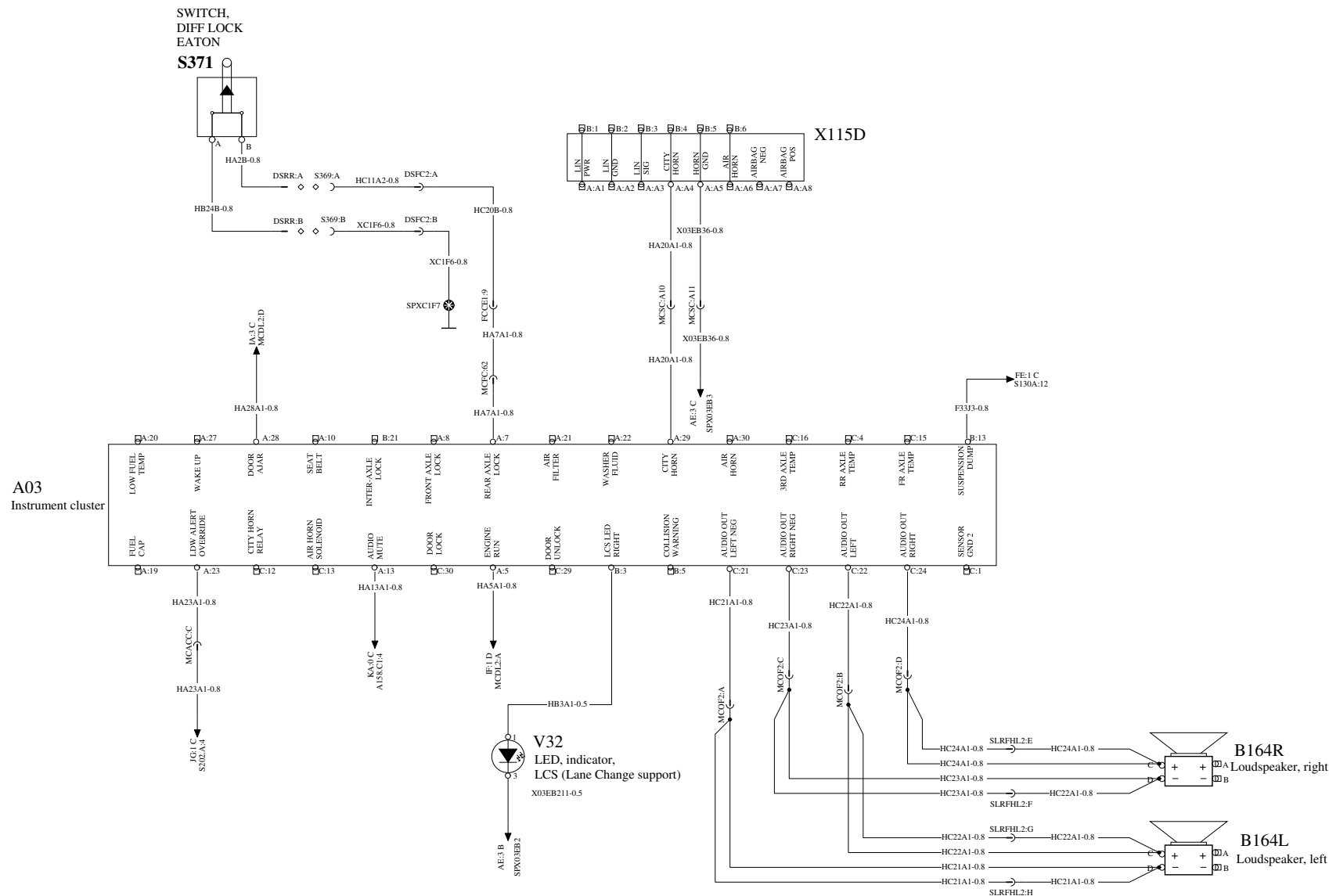


POWER DISTRIBUTION / KEY SWITCH

WIRING DIAGRAM: AQ







The diagram illustrates the electrical connections for the Bodybuilder Passthrough system. It shows the following components and connections:

- Top Connections:** LVD, IGN+, and ILLUM lines.
- Fuses:** F08 (AUX SW 1, 15A), F17 (AUX SW 6, 15A), and F47 (BB IGN, 30A).
- Switches:** S441 (AUX SW LVD), S451 (CUMMINS PTO), S442 (AUX SW LVD), and S43A (SWITCH, PRESSURE PARK BRAKE, N.C.).
- Wiring Harnesses:** PBB1A5-0.8, PBB1A6-0.8, N130A4-0.8, N143A3-0.8, N103B3-0.8, N103A3-0.8, F32B1-1.0, F63B1-1.0, CBB20A1-0.8, CBB20B1-0.8, F47A1-5.0, F15A1-5.0, F49C1-2.0, and F19B1-3.0.
- Connections to Main Cab Bodybuilder Passthrough:** HA9A1-0.8, N130A1-0.8, N150A1-0.8, F32B1-1.0, F63B1-1.0, CBB20A1-0.8, CBB20B1-0.8, N103B3-0.8, N103A3-0.8, F47A1-5.0, F15A1-5.0, F49C1-2.0, and F19B1-3.0.
- Connections to Instrument Cluster:** A03A-9, BA0B, A57-30, DF0C, A57-50, DF0C, AA3C, AB2D, FRCJ2B4, and AA3C.
- Connections to LVD, IGN+, and ILLUM:** F08A1-2.0, F17A1-1.0, PBB1A1-0.8, F47A1-5.0, F15A1-5.0, F49C1-2.0, and F19B1-3.0.

MCBP MAIN CAB BODYBUILDER PASSTHROUGH

BODYBUILDER PASSTHROUGH

The diagram illustrates the electrical connections for the Bodybuilder Passthrough system. It shows the following components and connections:

- Top Connections:** LVD, IGN+, and ILLUM lines.
- Fuses:** F08 (AUX SW 1, 15A), F17 (AUX SW 6, 15A), and F47 (BB IGN, 30A).
- Switches:** S441 (AUX SW LVD), S451 (CUMMINS PTO), S442 (AUX SW LVD), and S43A (SWITCH, PRESSURE PARK BRAKE, N.C.).
- Wiring Harnesses:** PBB1A5-0.8, PBB1A6-0.8, N130A4-0.8, N143A3-0.8, N103B3-0.8, N103A3-0.8, F32B1-1.0, F63B1-1.0, CBB20A1-0.8, CBB20B1-0.8, F47A1-5.0, F15A1-5.0, F49C1-2.0, and F19B1-3.0.
- Connections to Main Cab Bodybuilder Passthrough:** HA9A1-0.8, N130A1-0.8, N150A1-0.8, F32B1-1.0, F63B1-1.0, CBB20A1-0.8, CBB20B1-0.8, N103B3-0.8, N103A3-0.8, F47A1-5.0, F15A1-5.0, F49C1-2.0, and F19B1-3.0.
- Connections to Instrument Cluster:** A03A-9, BA0B, A57-30, DF0C, A57-50, DF0C, AA3C, AB2D, FRCJ2B4, and AA3C.
- Connections to LVD, IGN+, and ILLUM:** F08A1-2.0, F17A1-1.0, PBB1A1-0.8, F47A1-5.0, F15A1-5.0, F49C1-2.0, and F19B1-3.0.

MCBP MAIN CAB BODYBUILDER PASSTHROUGH

BODYBUILDER PASSTHROUGH

The diagram illustrates the electrical connections for the Bodybuilder Passthrough system. It shows the Main Cab Bodybuilder Passthrough at the bottom, which connects to the Instrument Cluster at the top. Key components include:

- Fuses:** F08 (AUX SW 1, 15A), F17 (AUX SW 6, 15A), F47 (BB IGN, 30A).
- Switches:** S441 (AUX SW LVD), S451 (CUMMINS PTO), S442 (AUX SW LVD), S43A (SWITCH, PRESSURE PARK BRAKE, N.C.).
- Wiring Harnesses:** PBB1A5-0.8, N130A4-0.8, N150A1-0.8, F32B1-1.0, F63B1-1.0, CBB20A1-0.8, CBB20B1-0.8, N103B3-0.8, N103A3-0.8, F47A1-5.0, F15A1-5.0, F49C1-2.0, F19B1-3.0.
- Connections:** The diagram shows connections to LVD, IGN+, and ILLUM lines. It also shows connections to the Instrument Cluster, including the Body Out of Position, 3000 PTO Solenoid Signal (12V), and 2500 PTO Solenoid Signal (GND).

The diagram is labeled "BODYBUILDER PASSTHROUGH" at the bottom.

V O L V O

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WIRING DIAGRAM, MMD VECU5 DIESEL

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Volvo Truck Corporation

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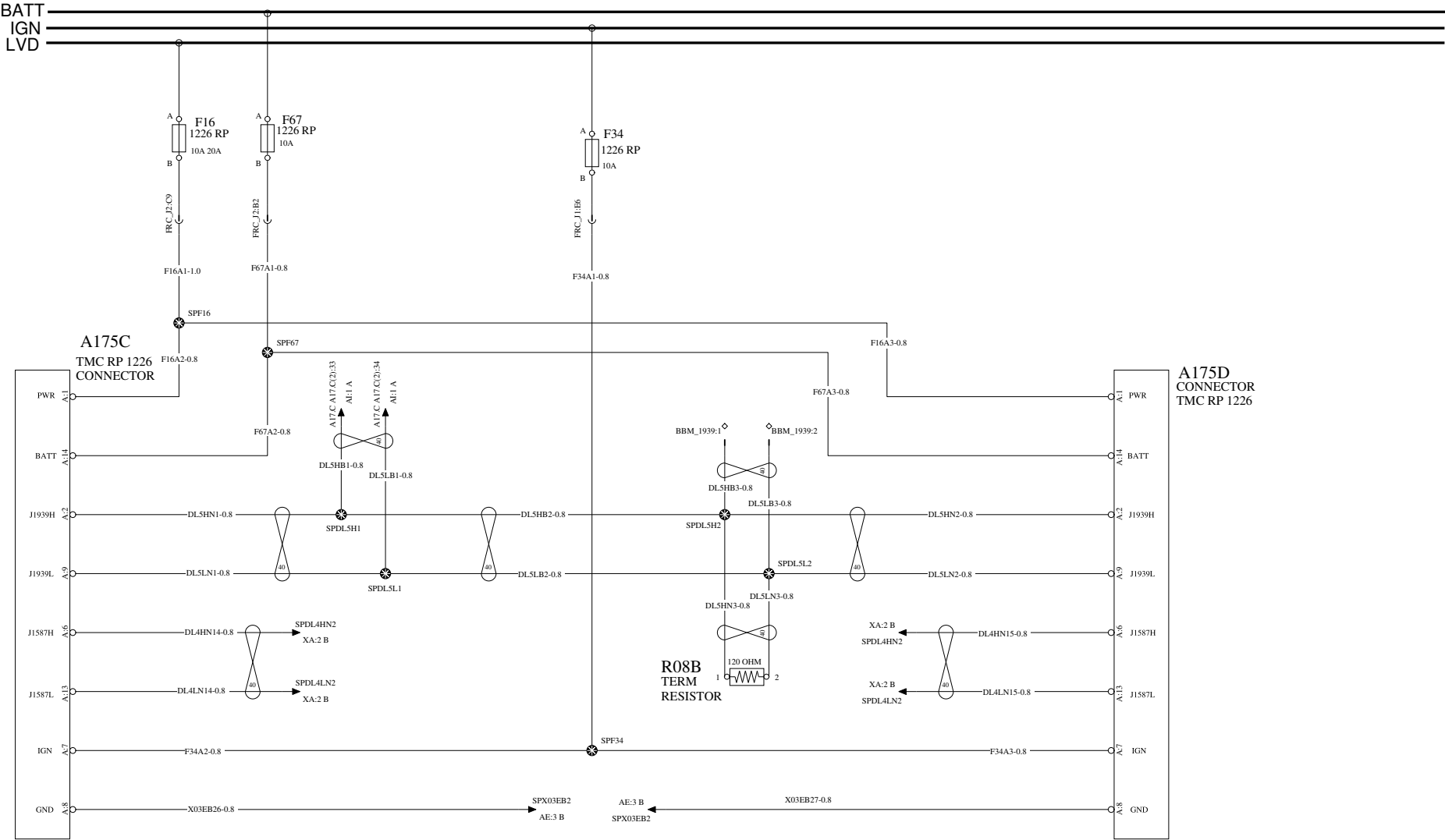
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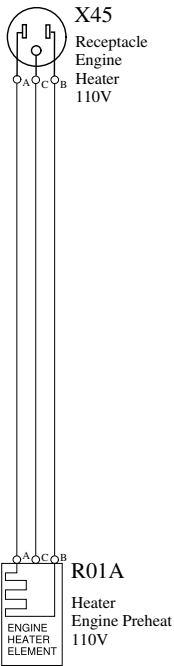
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TMC RP 1226 CONNECTORS

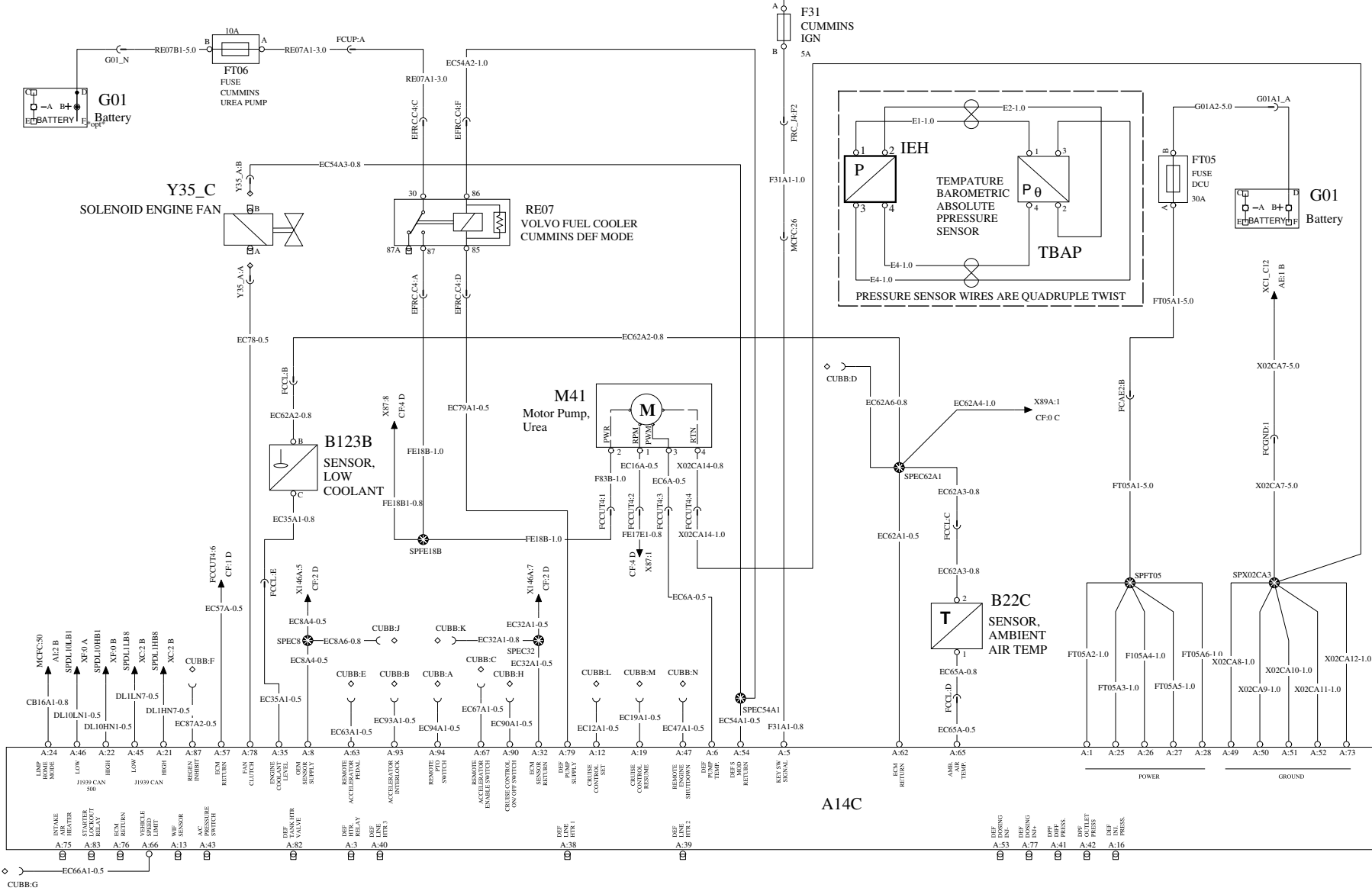
WIRING DIAGRAM: BY





CUMMINS BODY BUILDER HARNESS			SERVICE HARNESS PART NUMBER 24186896	
◇	—	EC94A1-1.0	↵	◇
CUBB:A				BBCU:A
◇	—	EC93A1-1.0	↵	◇
CUBB:B				BBCU:B
◇	—	EC67A2-1.0	↵	◇
CUBB:C				BBCU:C
◇	—	EC62A6-1.0	↵	◇
CUBB:D				BBCU:D
◇	—	EC63A1-1.0	↵	◇
CUBB:E				BBCU:E
◇	—	EC87A6-1.0	↵	◇
CUBB:F				BBCU:F
◇	—	EC66A1-1.0	↵	◇
CUBB:G				BBCU:G
◇	—	EC90A1-1.0	↵	◇
CUBB:H				BBCU:H
◇	—	EC8A6-1.0	↵	◇
CUBB:J				BBCU:J
◇	—	EC32A1-1.0	↵	◇
CUBB:K				BBCU:K

KEY



B142C
UREA LEVEL, QUALITY
AND TEMP SENSOR

R08I
TERMINATING
RESISTOR

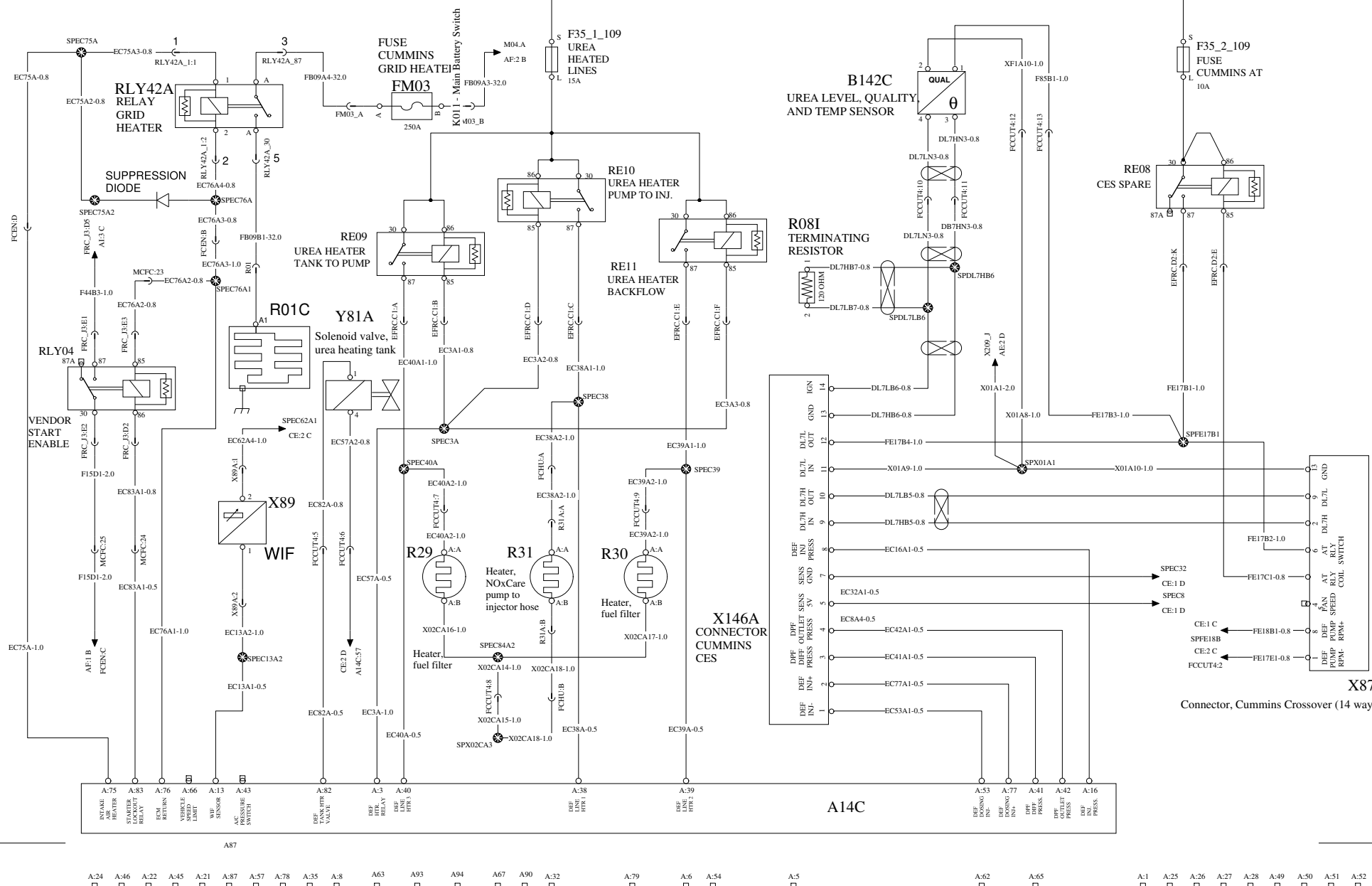
B142C
UREA LEVEL, QUALITY
AND TEMP SENSOR

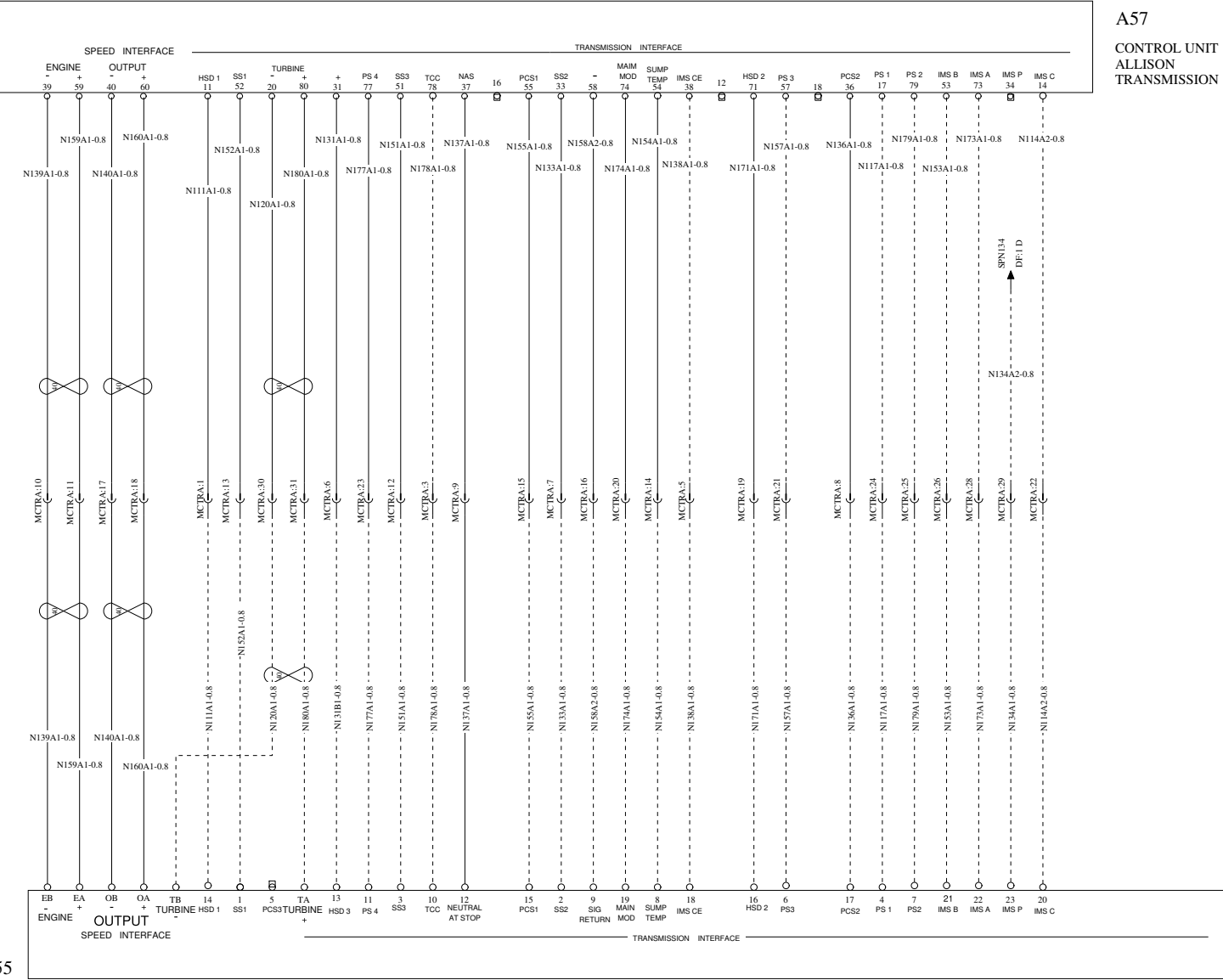
R08I
TERMINATING
RESISTOR

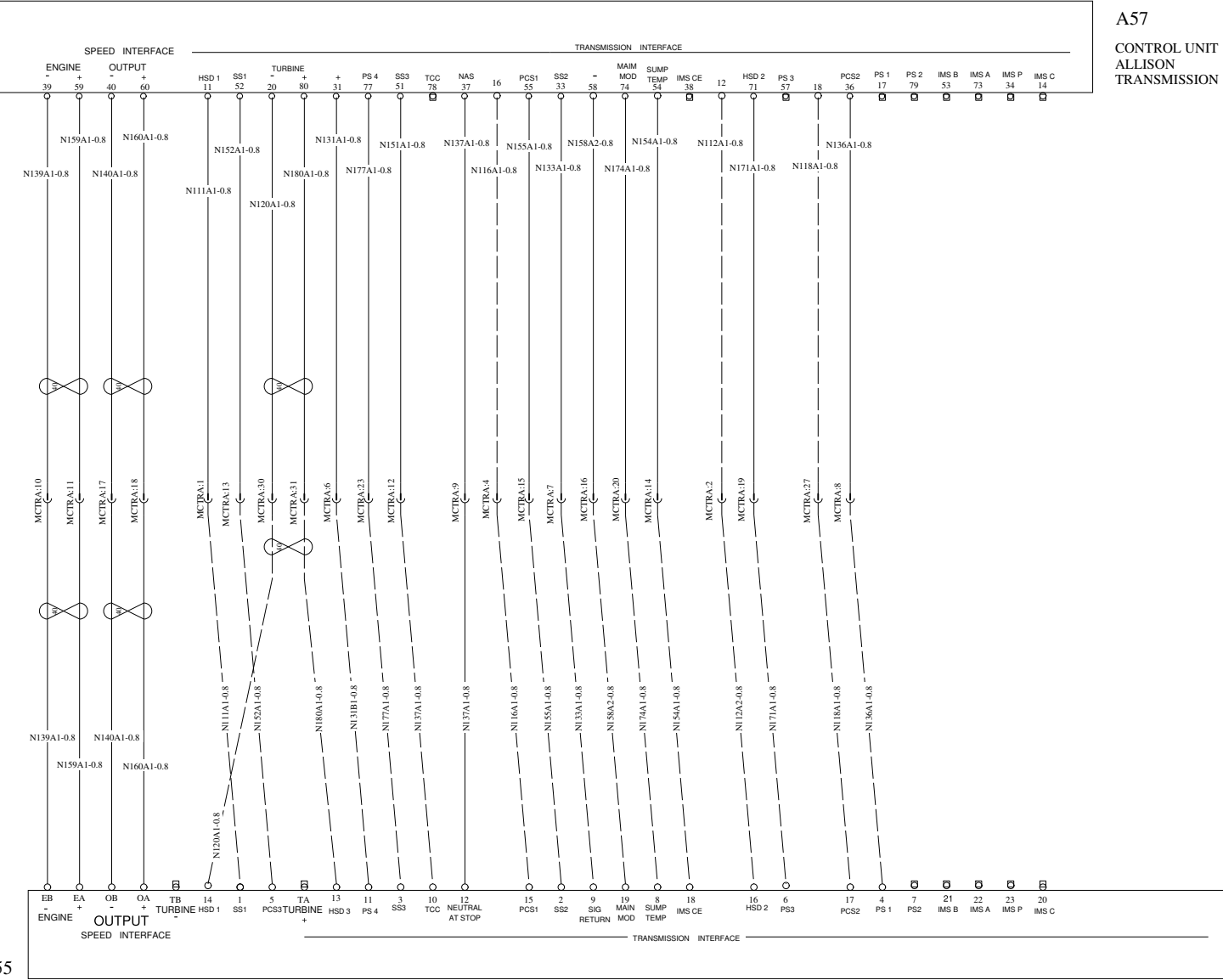
X146A
CONNECTOR
CUMMINS
CES

X87

Connector, Cummins Crossover (14 way)







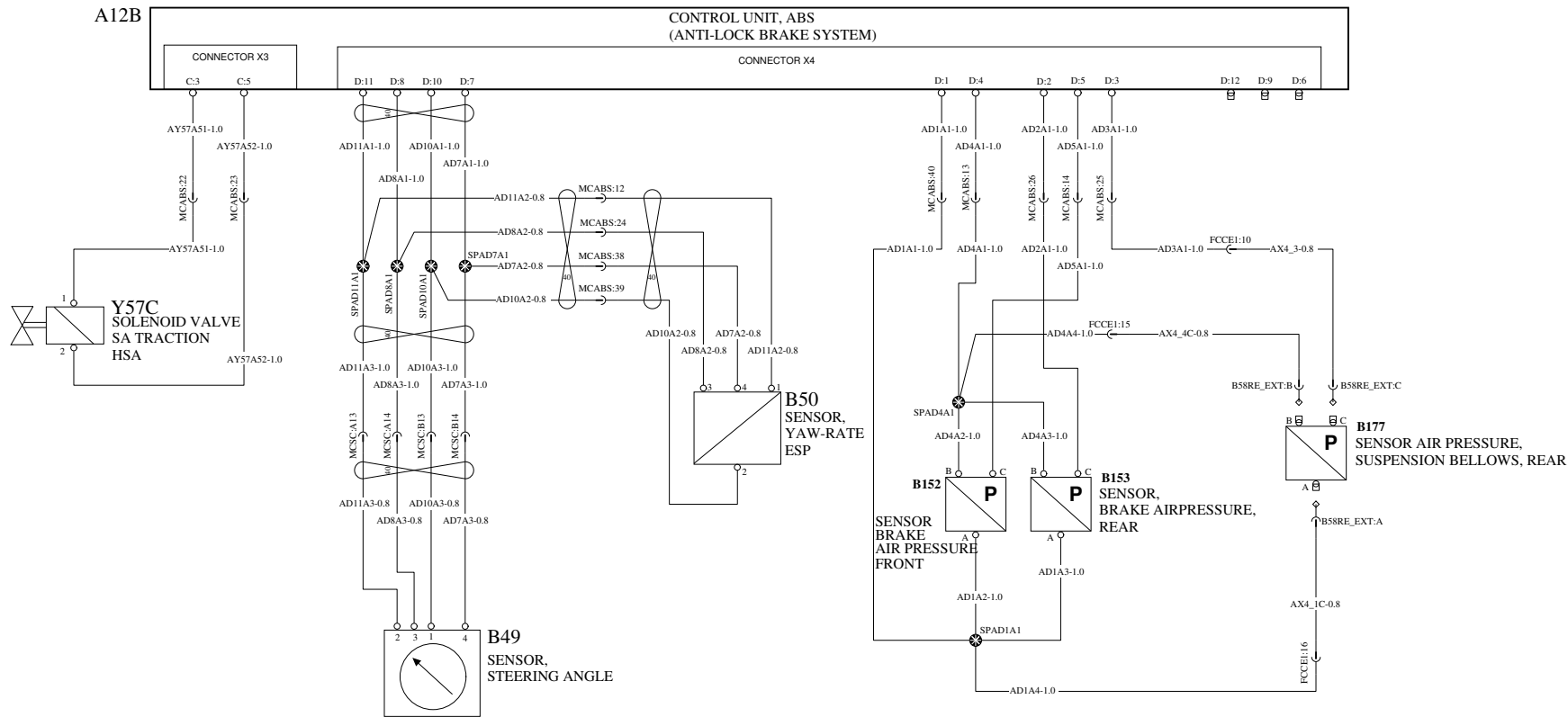
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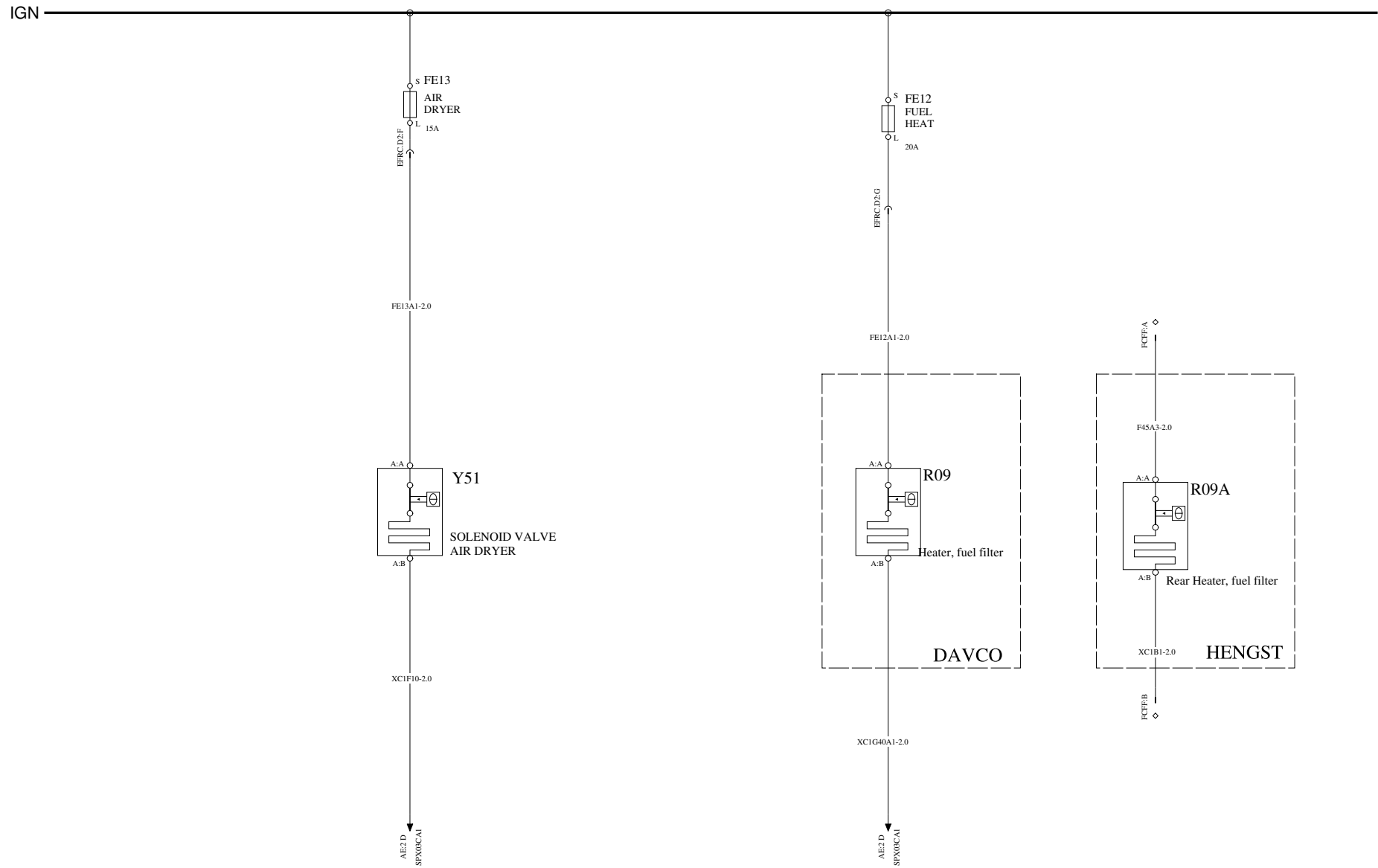
E

E



AIR DRIVER/HEATED DRAIN VALVE

WIRING DIAGRAM: FA



V O L V O

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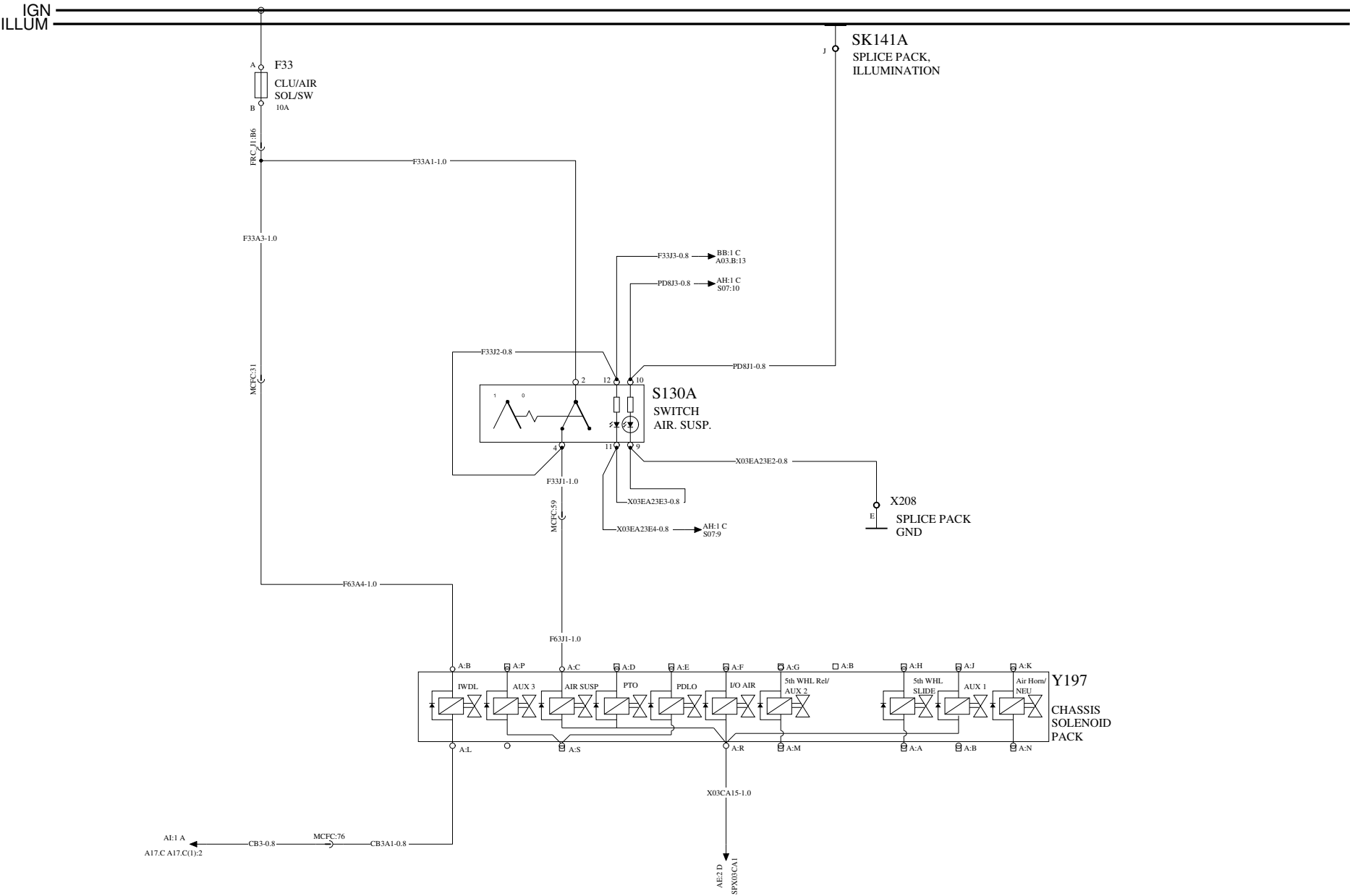
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CHASSIS SOLENOIDS

WIRING DIAGRAM: FE



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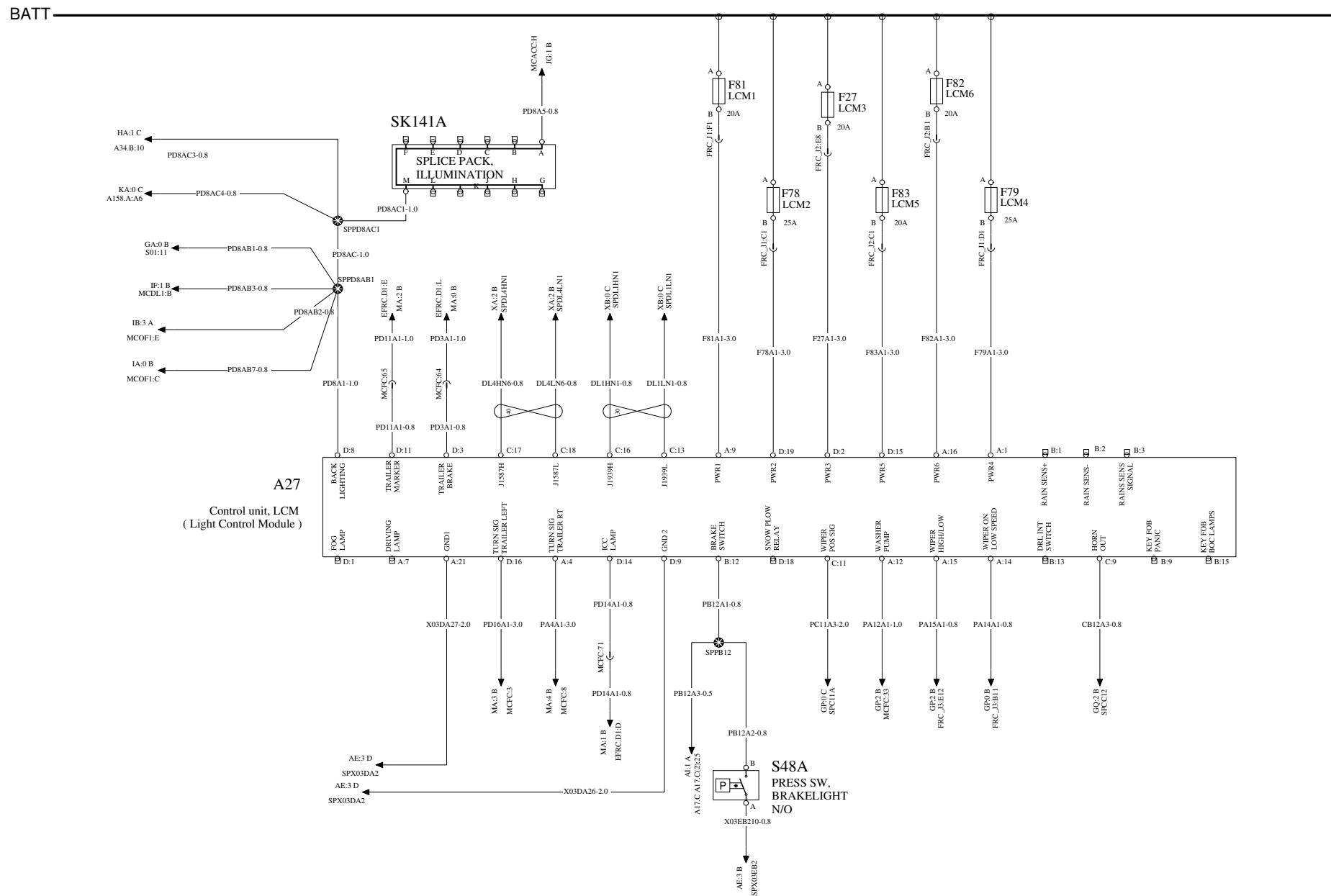
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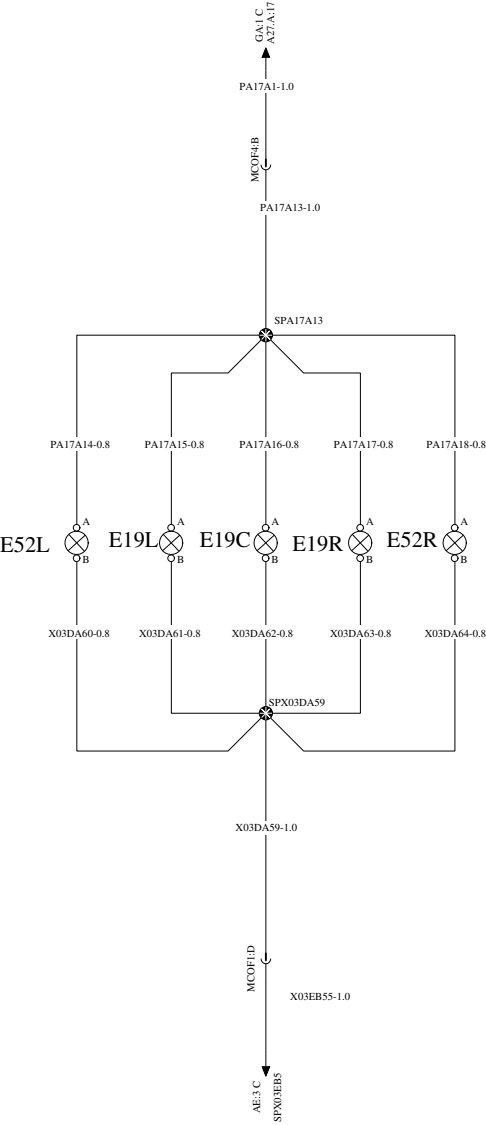
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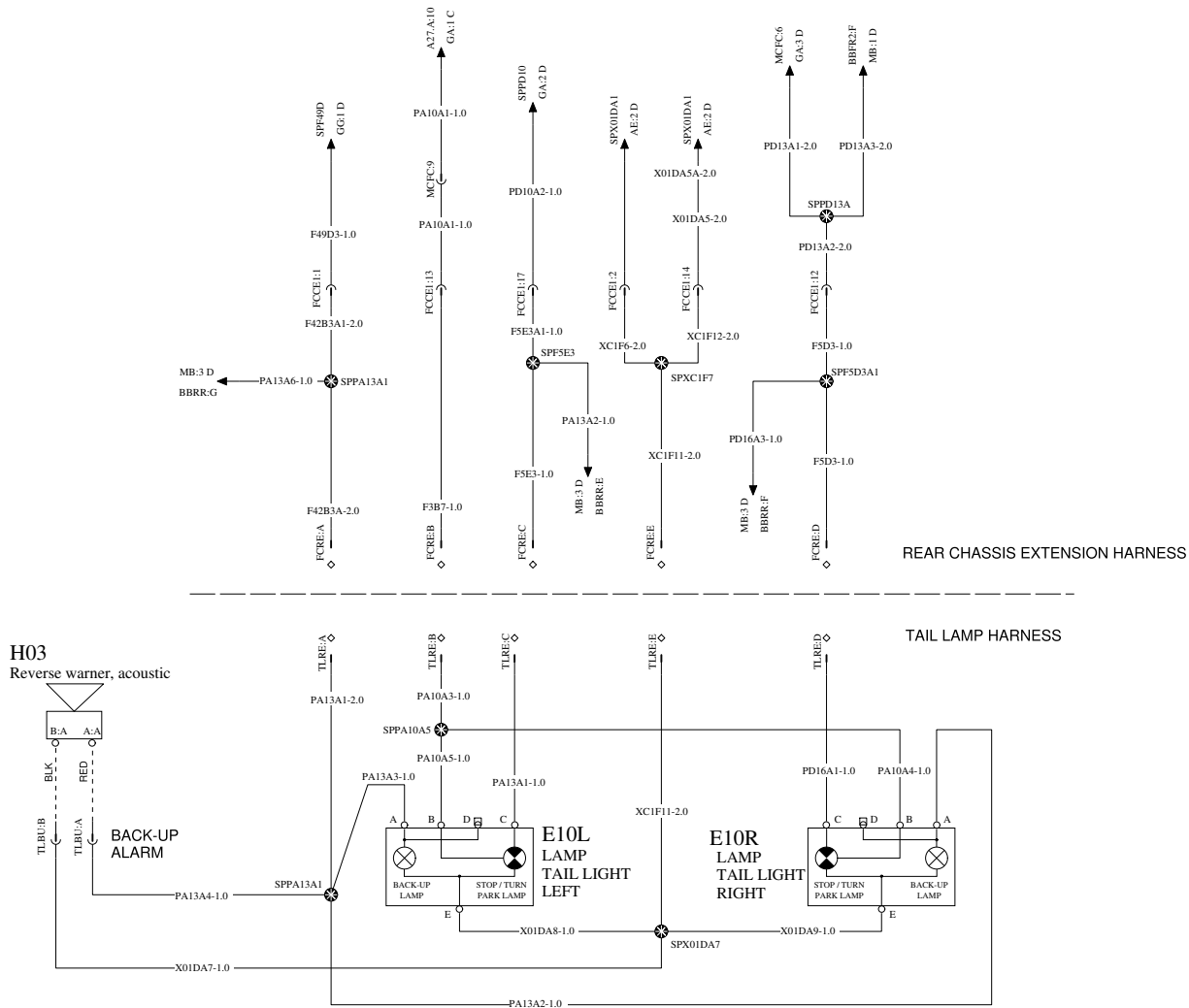






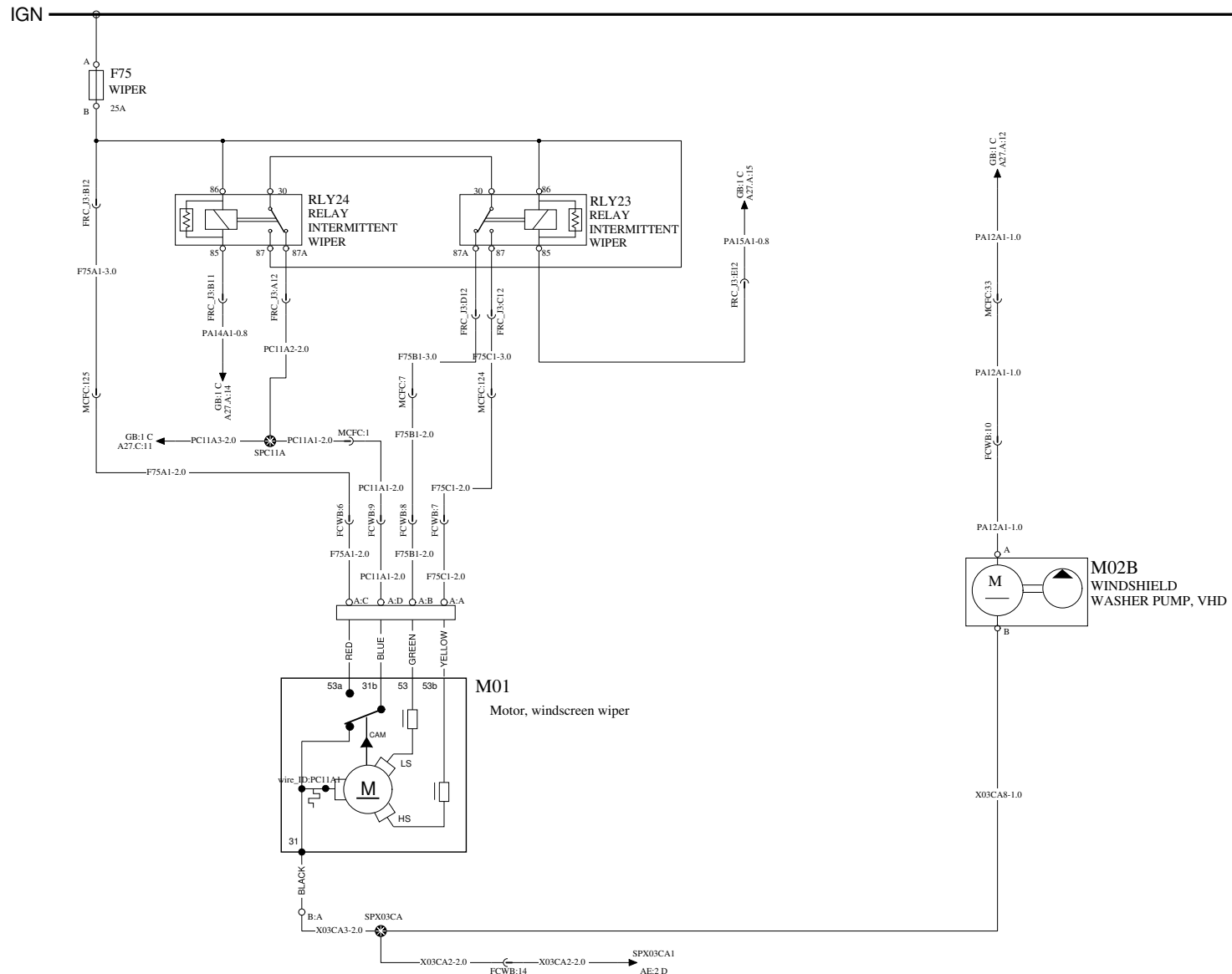
TAIL LAMPS

WIRING DIAGRAM: GF



WINDSHIELD WIPER

WIRING DIAGRAM: GP



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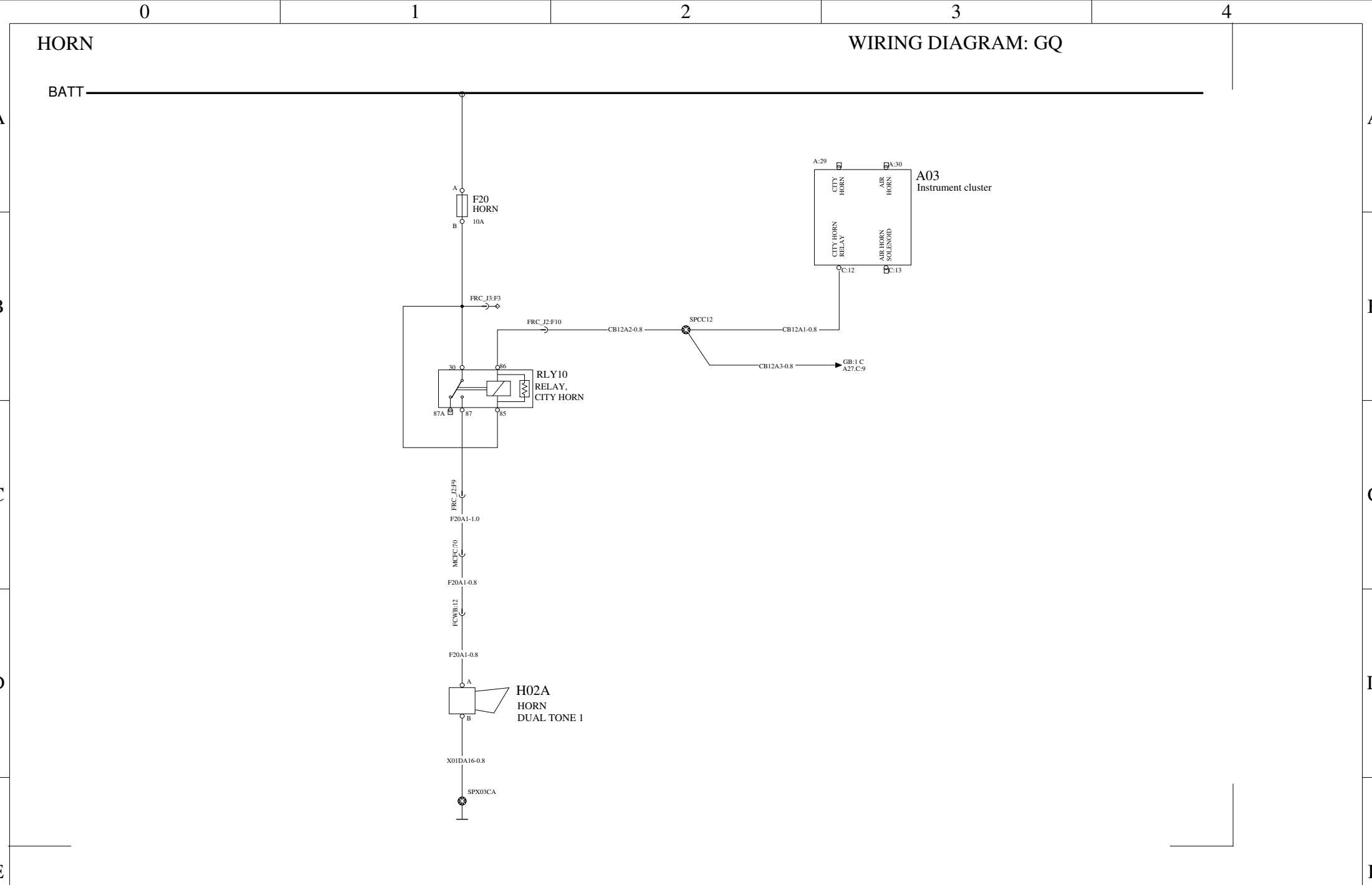
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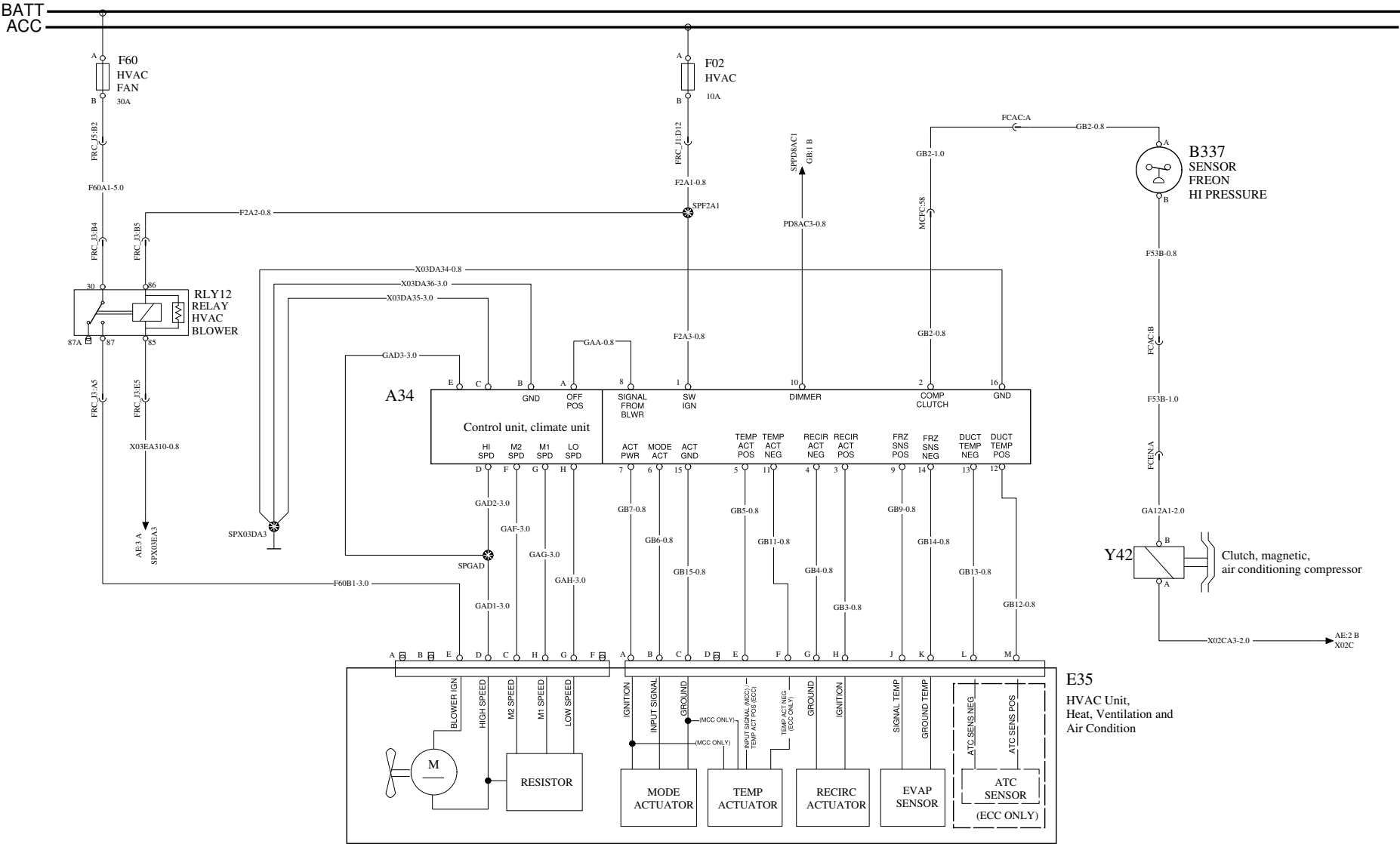
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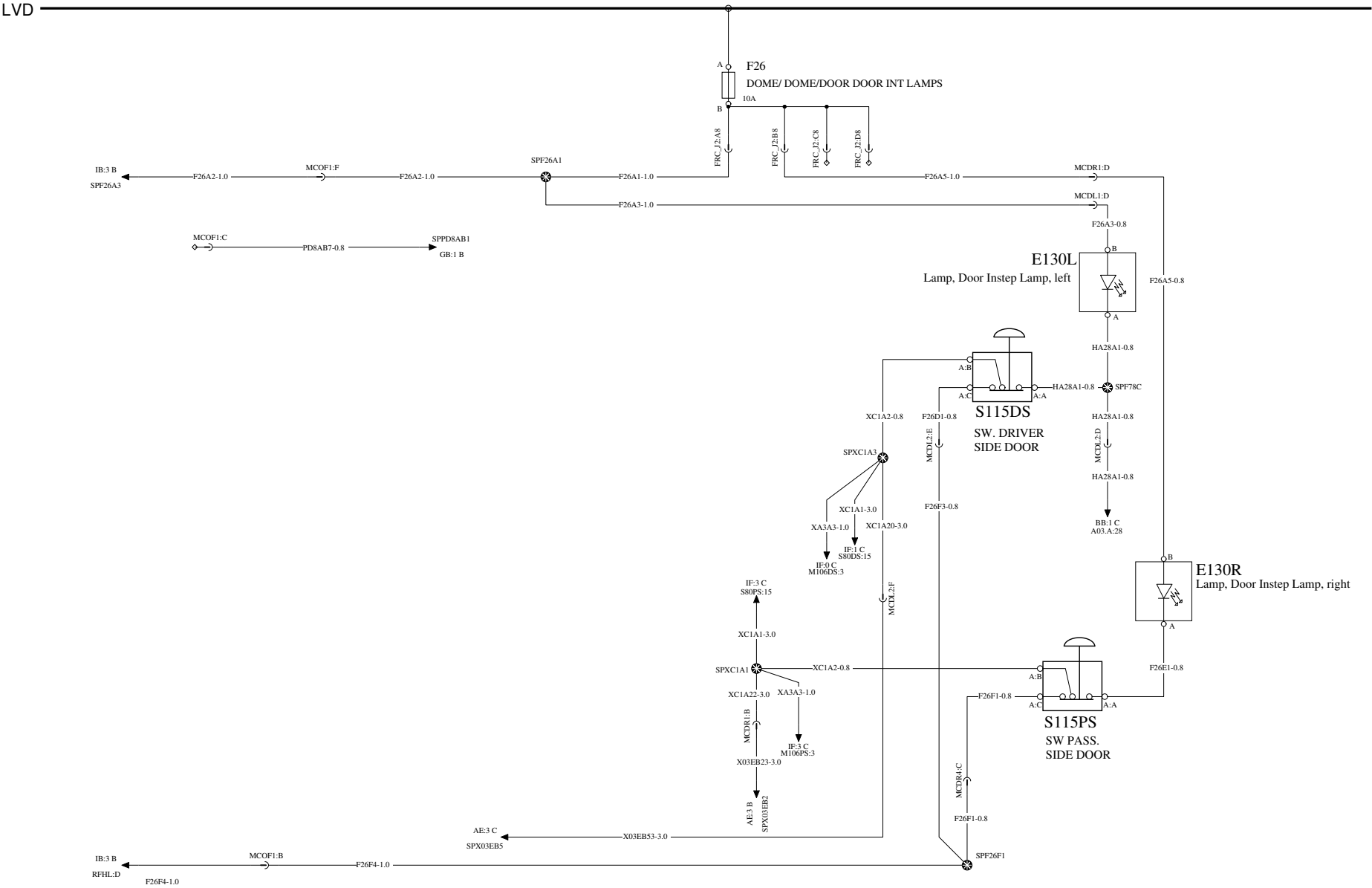
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COURTESY LIGHTS

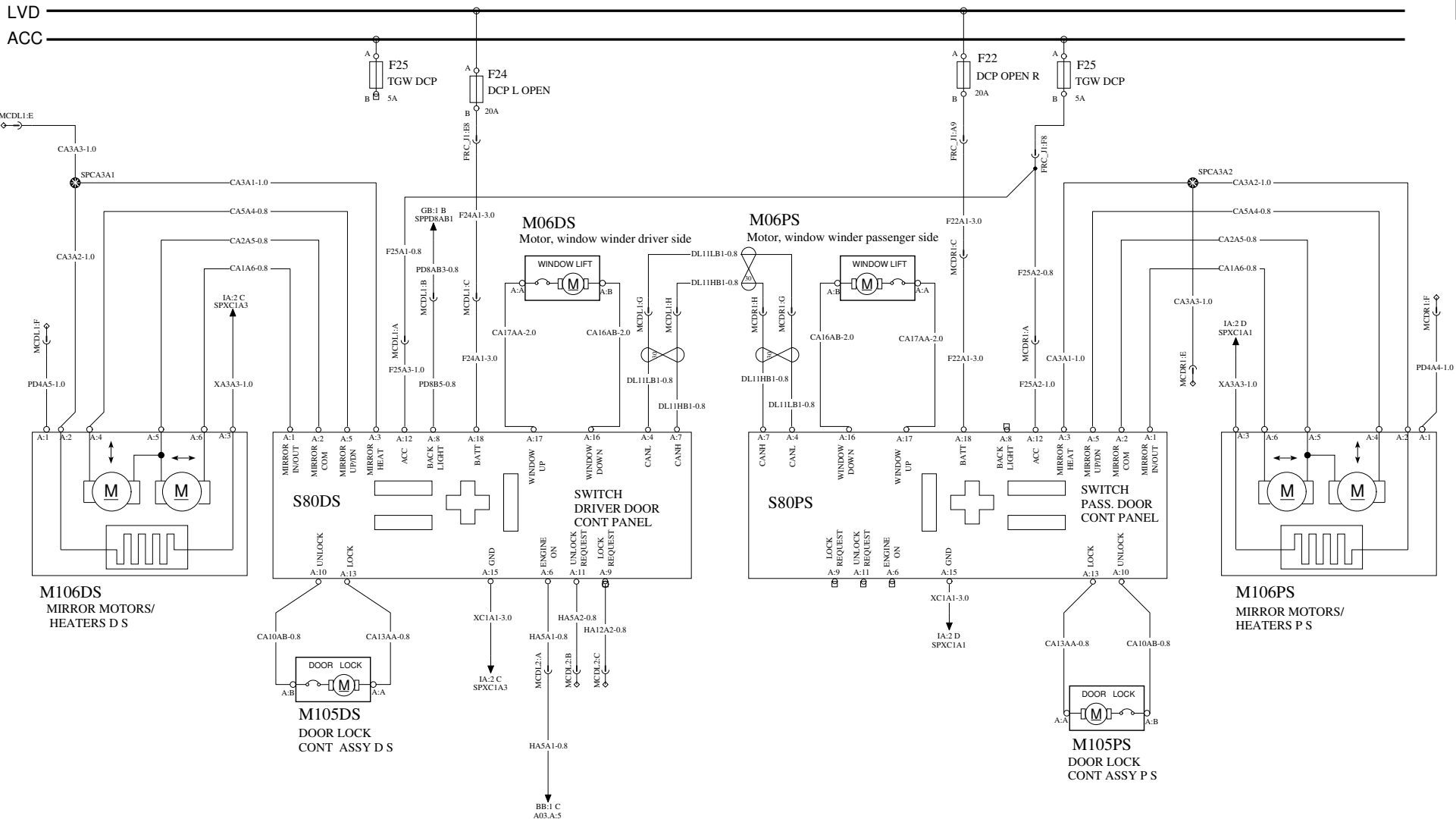
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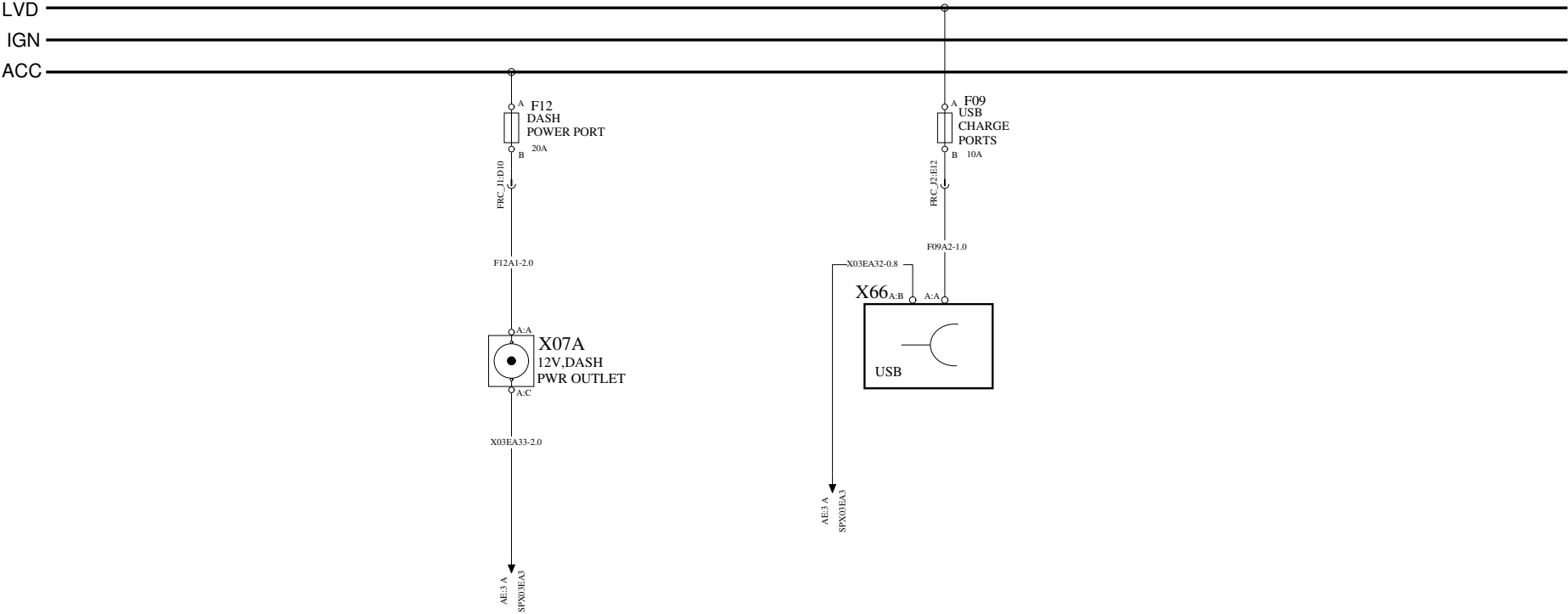
POWER WINDOWS/MIRRORS/LOCKS

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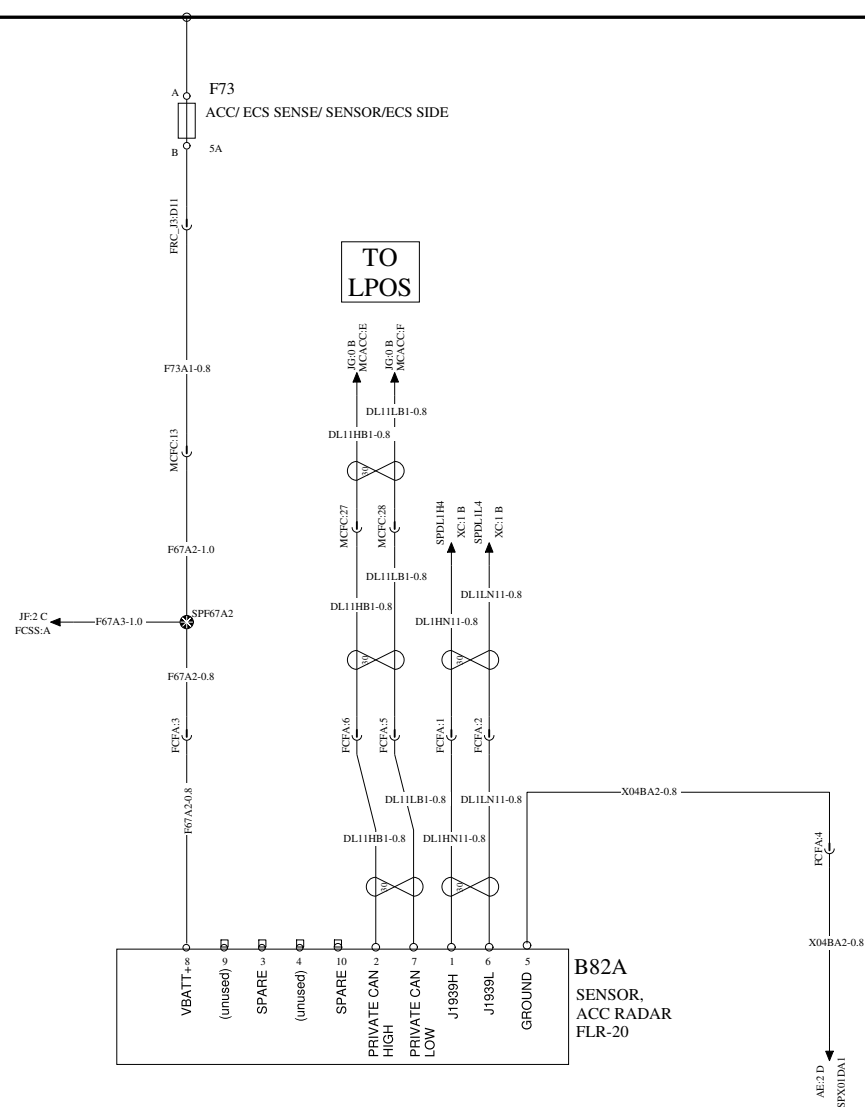
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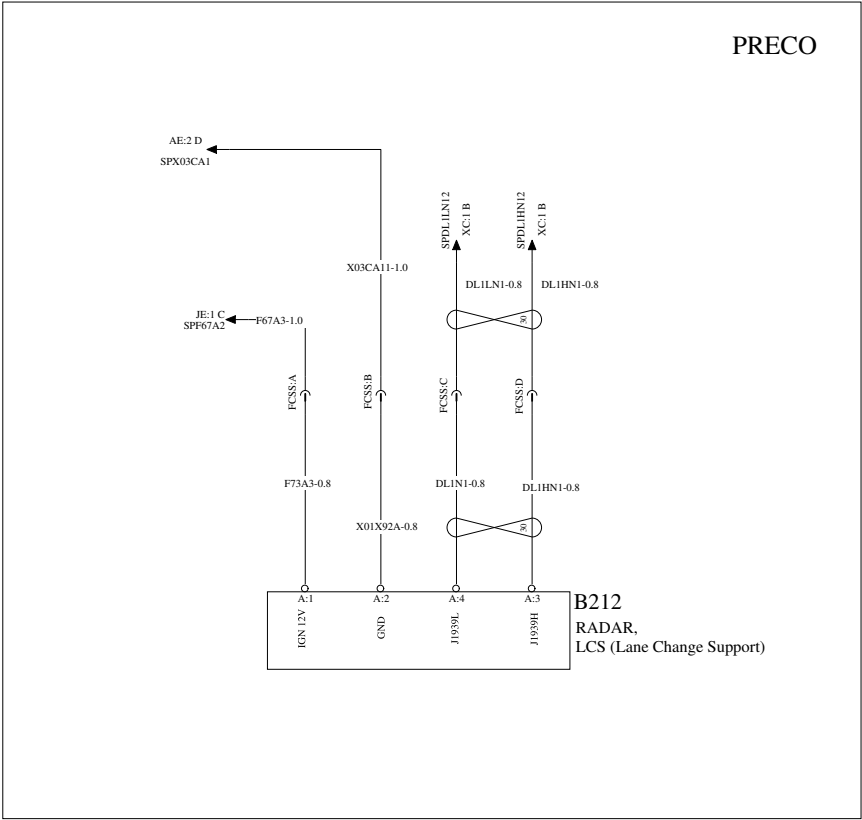
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ADAS - FRONT RADAR

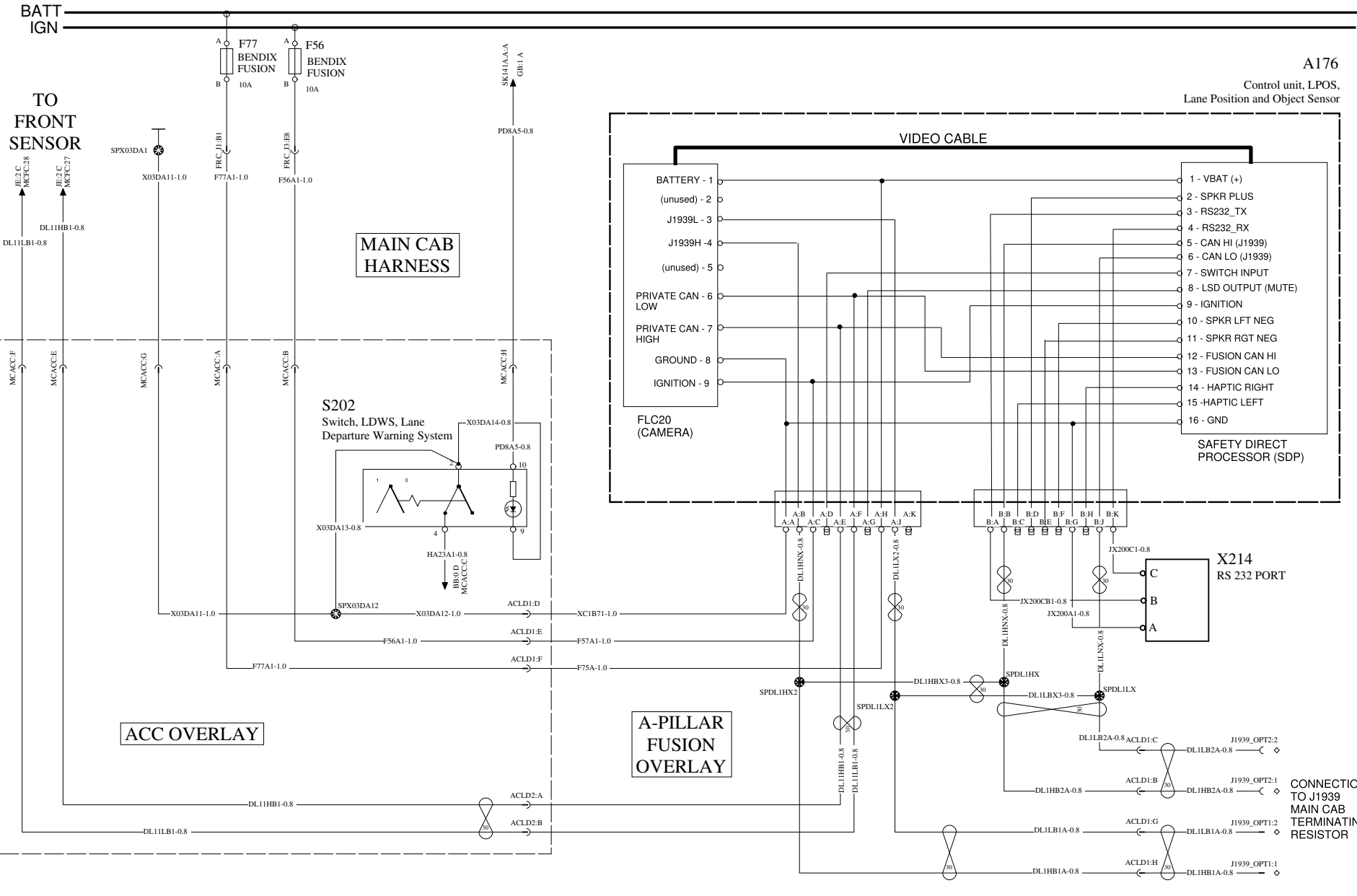
WIRING DIAGRAM: JE





ADAS - LANE DEPARTURE WARNING

WIRING DIAGRAM: JG



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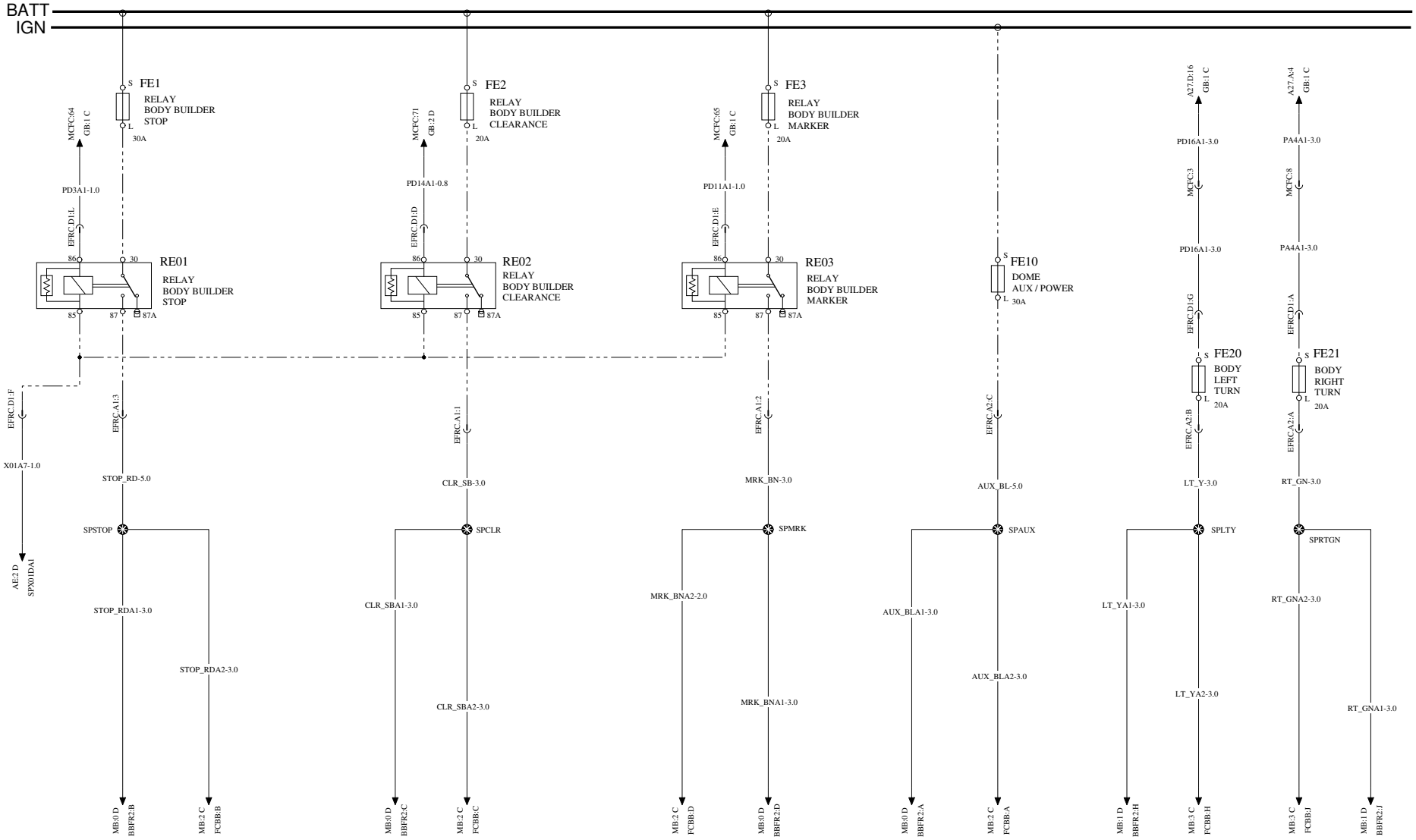
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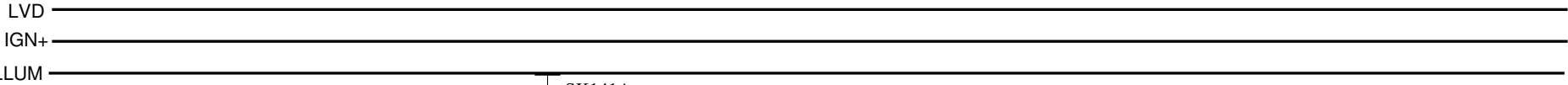
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OPTIONAL CONNECTIONS

WIRING DIAGRAM: NA



SK141A
SPLICE PACK,
ILLUMINATION

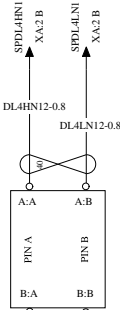
PD8B2-0.8

SPPD8B3

PD8B3-0.8 → MCH-B
DF:2 D

PD8B3-0.8 → A19E-3
DF:0 E

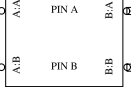
PD8B1-0.8



OPTIONAL
J1587 CONNECTION

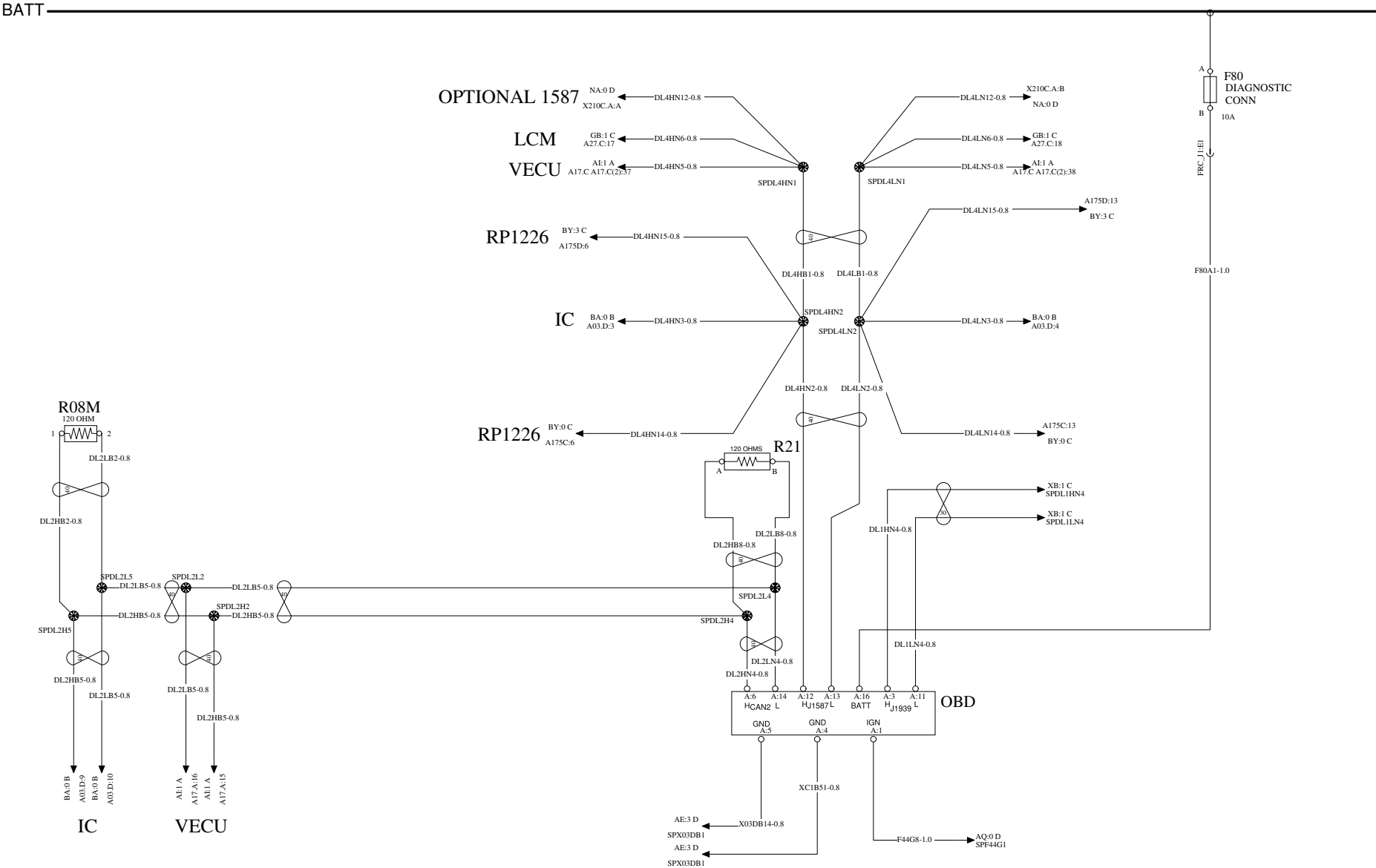
X208
SPLICE PACK
GND

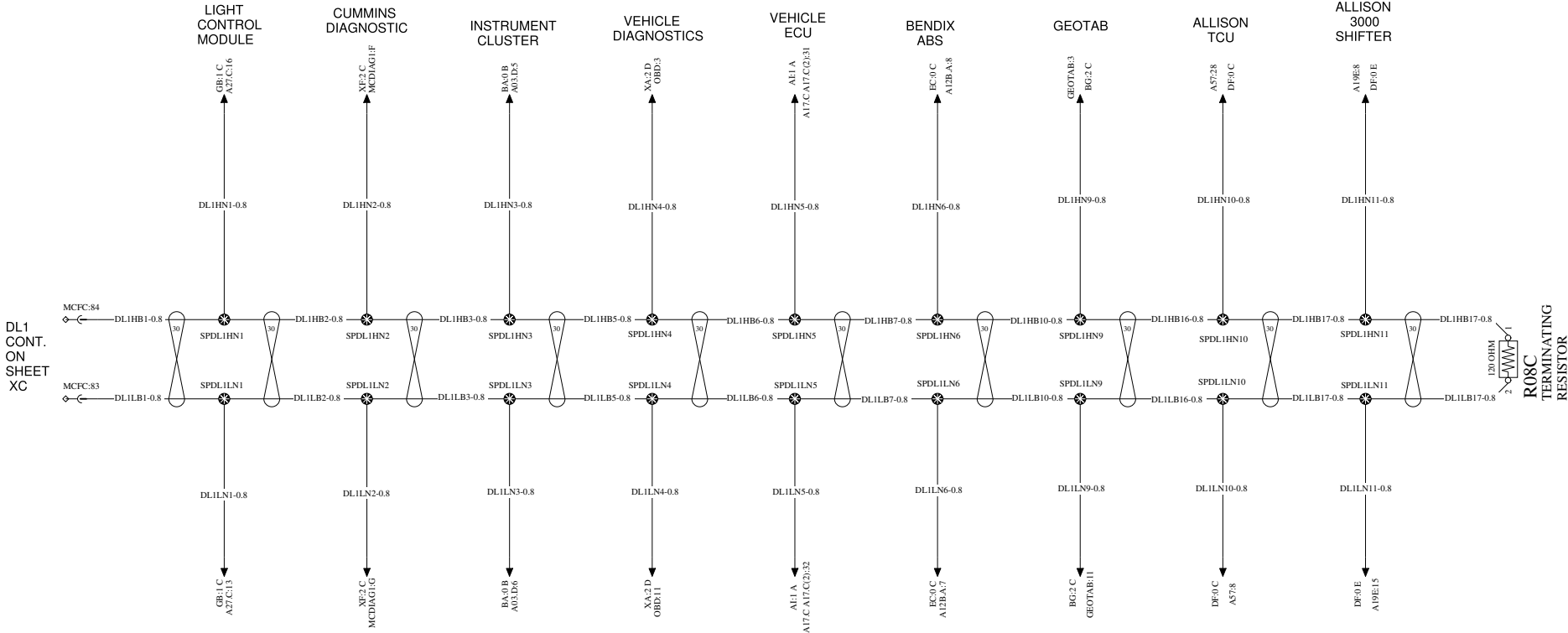
E98L
Auxiliary unit, Left

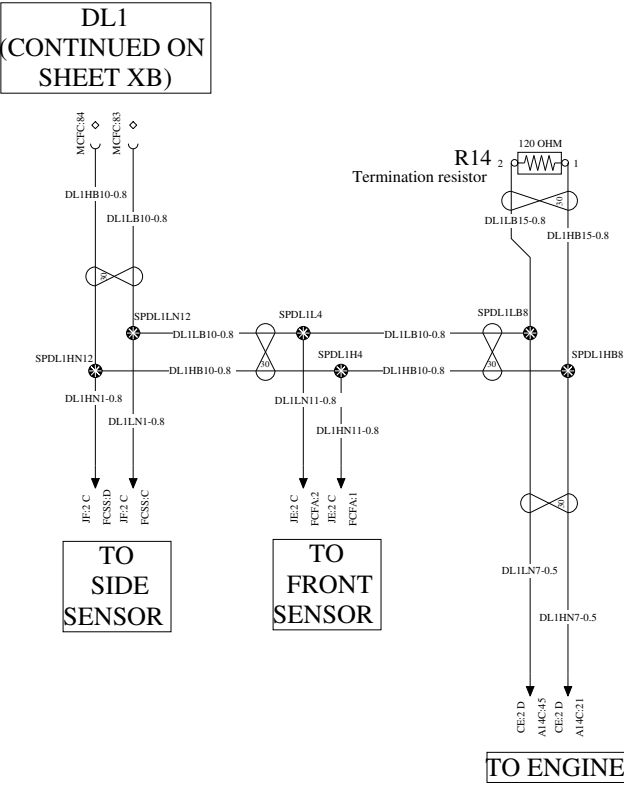


OPTIONAL
ILLUMINATION
CONNECTION

V O L V O







F80
DIAGNOSTIC
CONN
10A

