

Engineering Release Notice (ERN)	Location	Change Description	A = Added D = Deleted	W = Was	Document Release Status
D-18699-98		See DCN			Date RELEASED Modification Count

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Document title

WIRING DIAGRAM, 12V SCHEMATIC

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Document type

PRODUCT SCHEMATICS

Document No

23986311

Issue

03

Volume

1 (1)

Sheet No

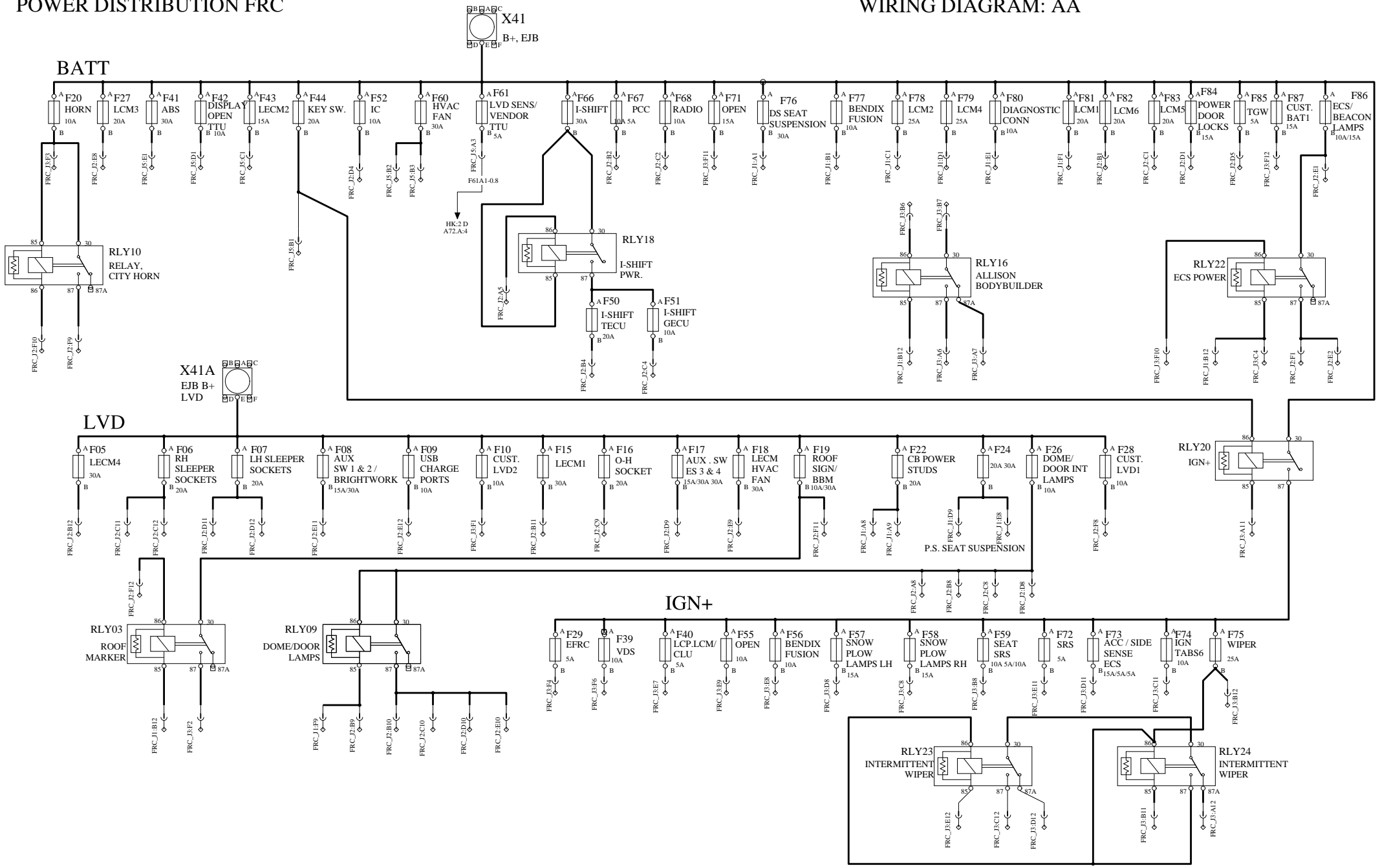
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VOLVO

Group Trucks Technology

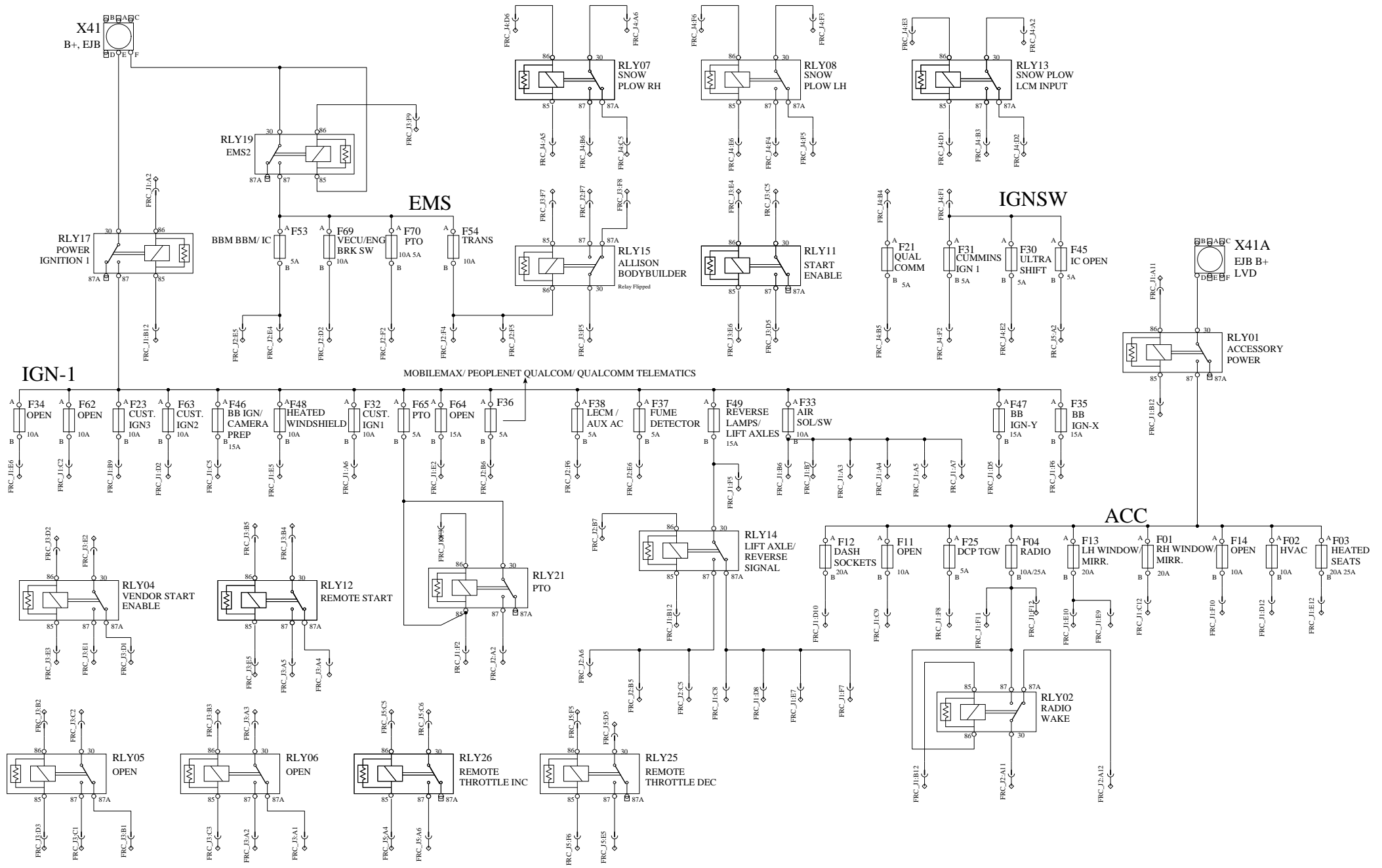
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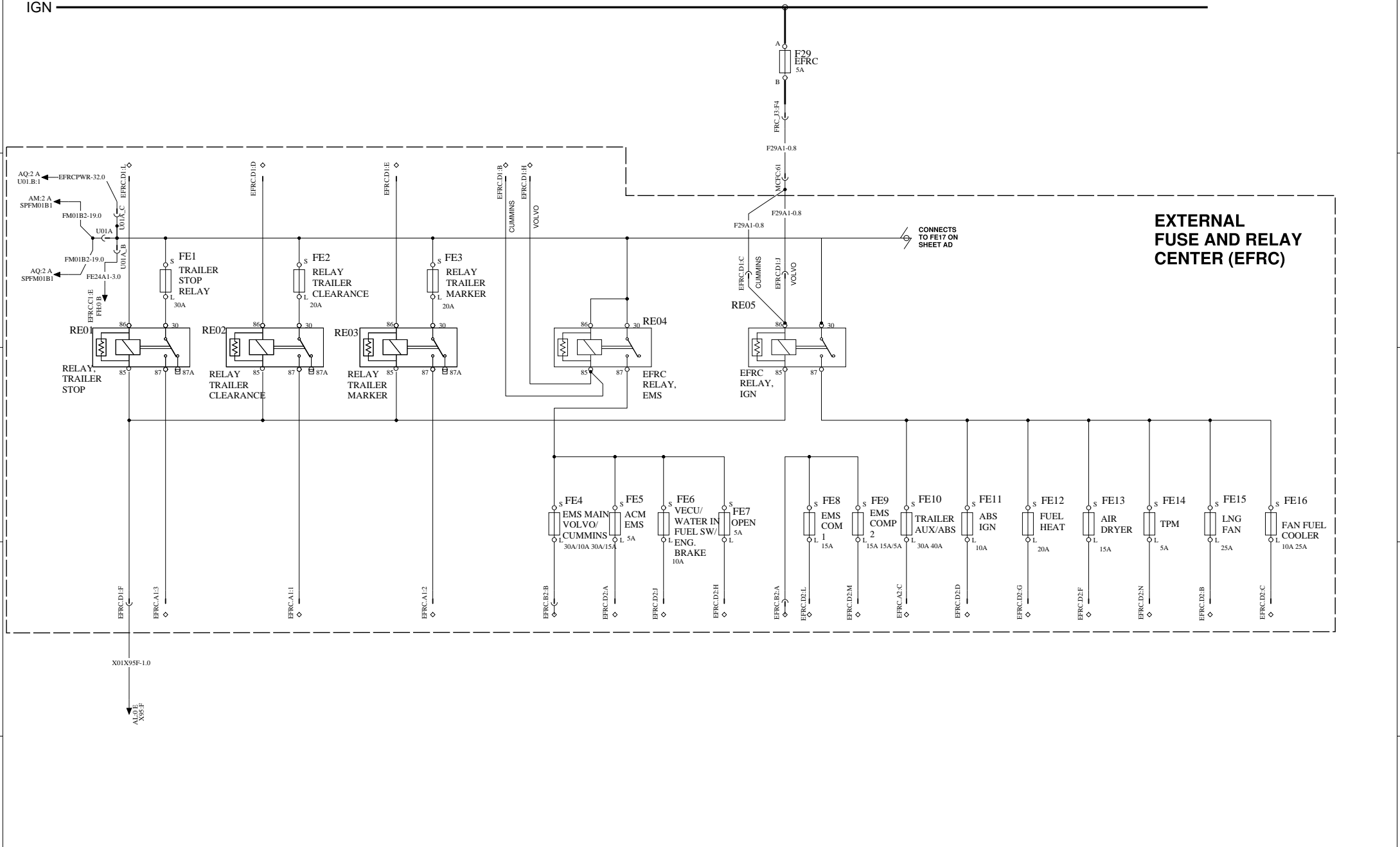


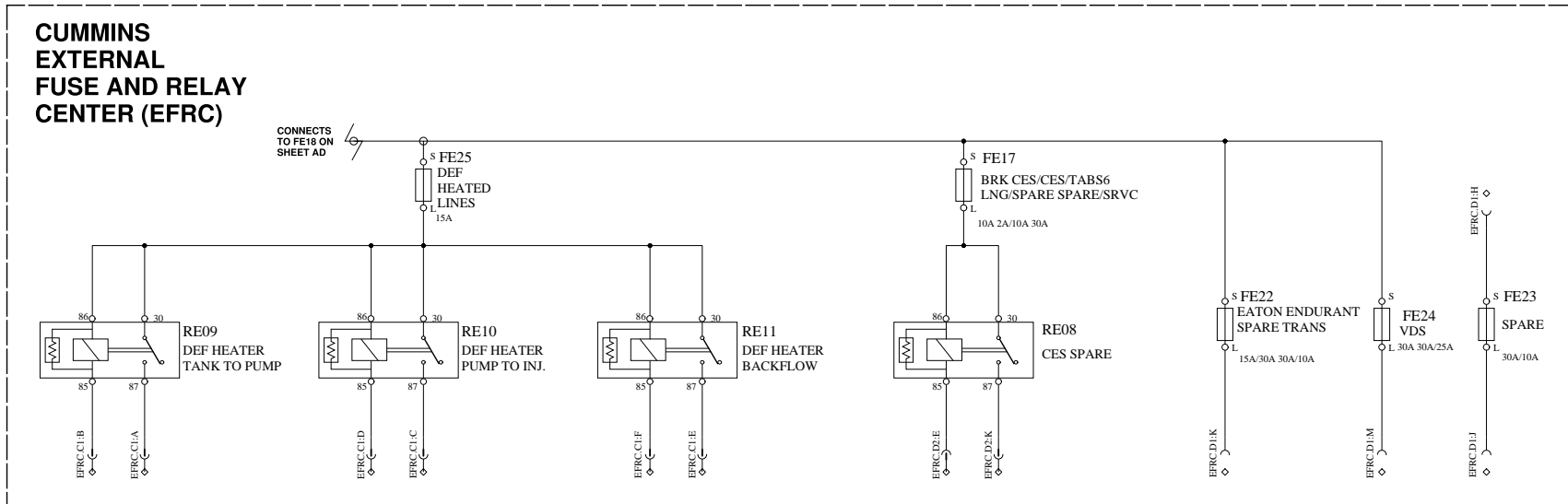
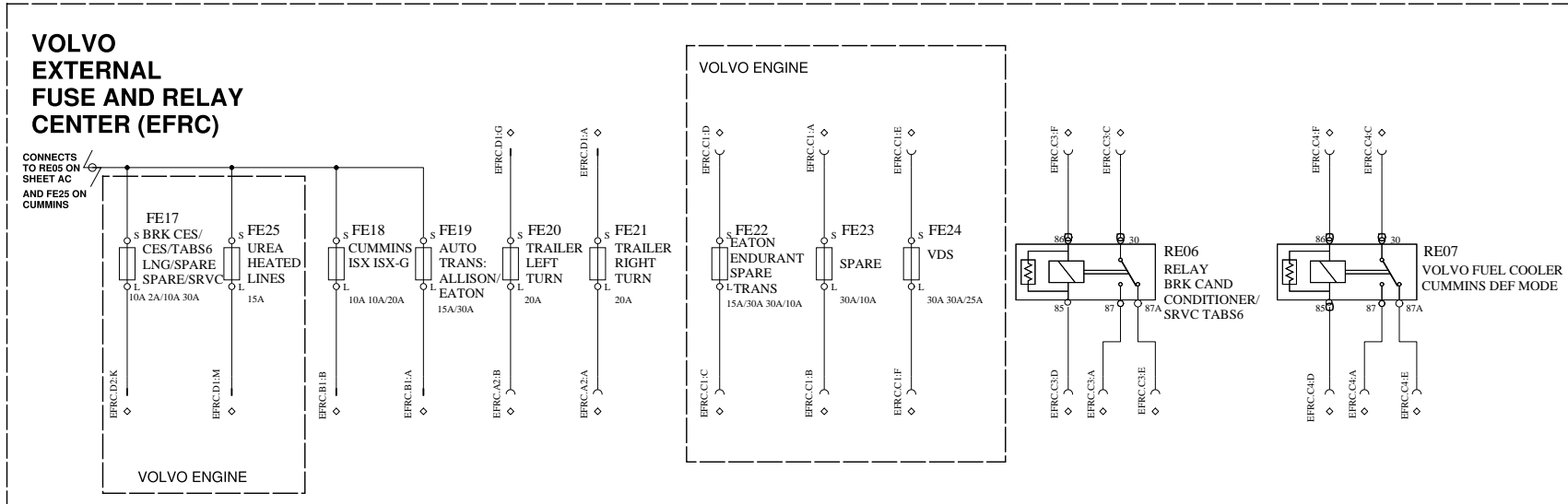
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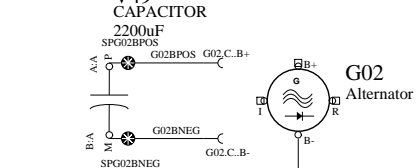




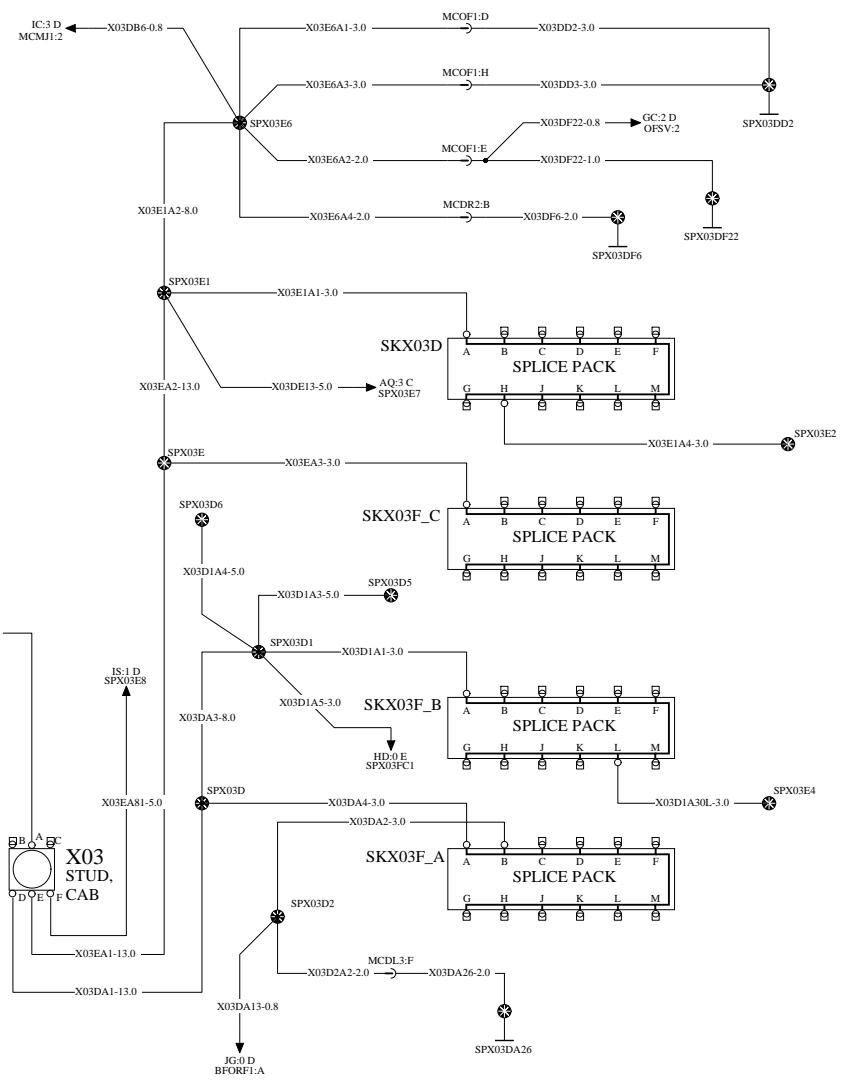
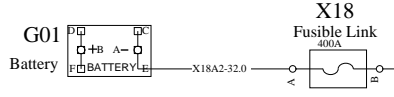
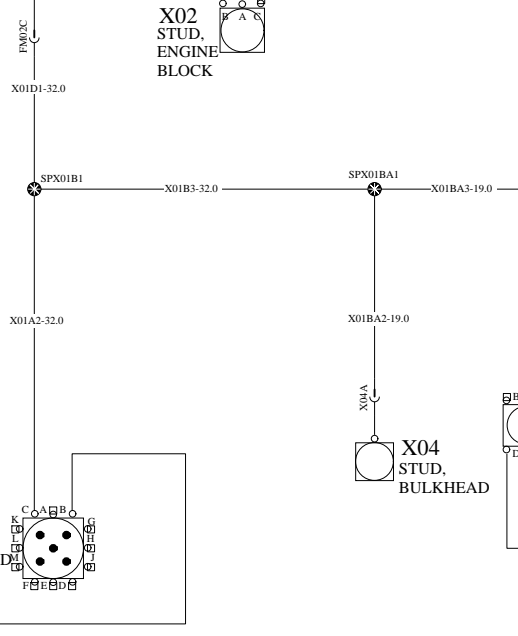
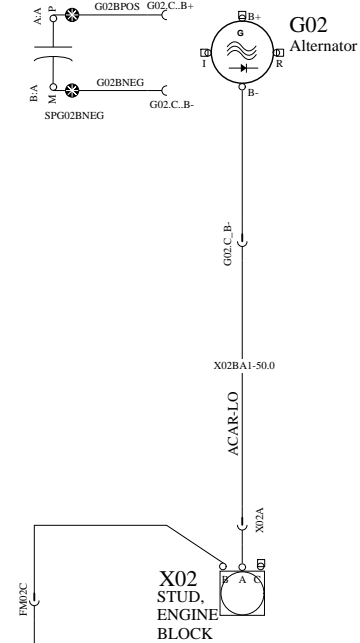
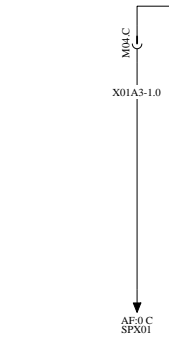
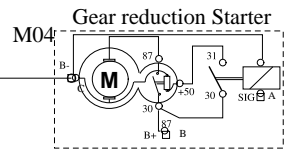
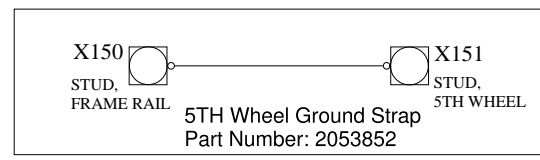
GROUNDING

WIRING DIAGRAM: AE

CAPACITOR CONNECTS TO ALTERNATORS ON ALL CUMMINS ENGINES



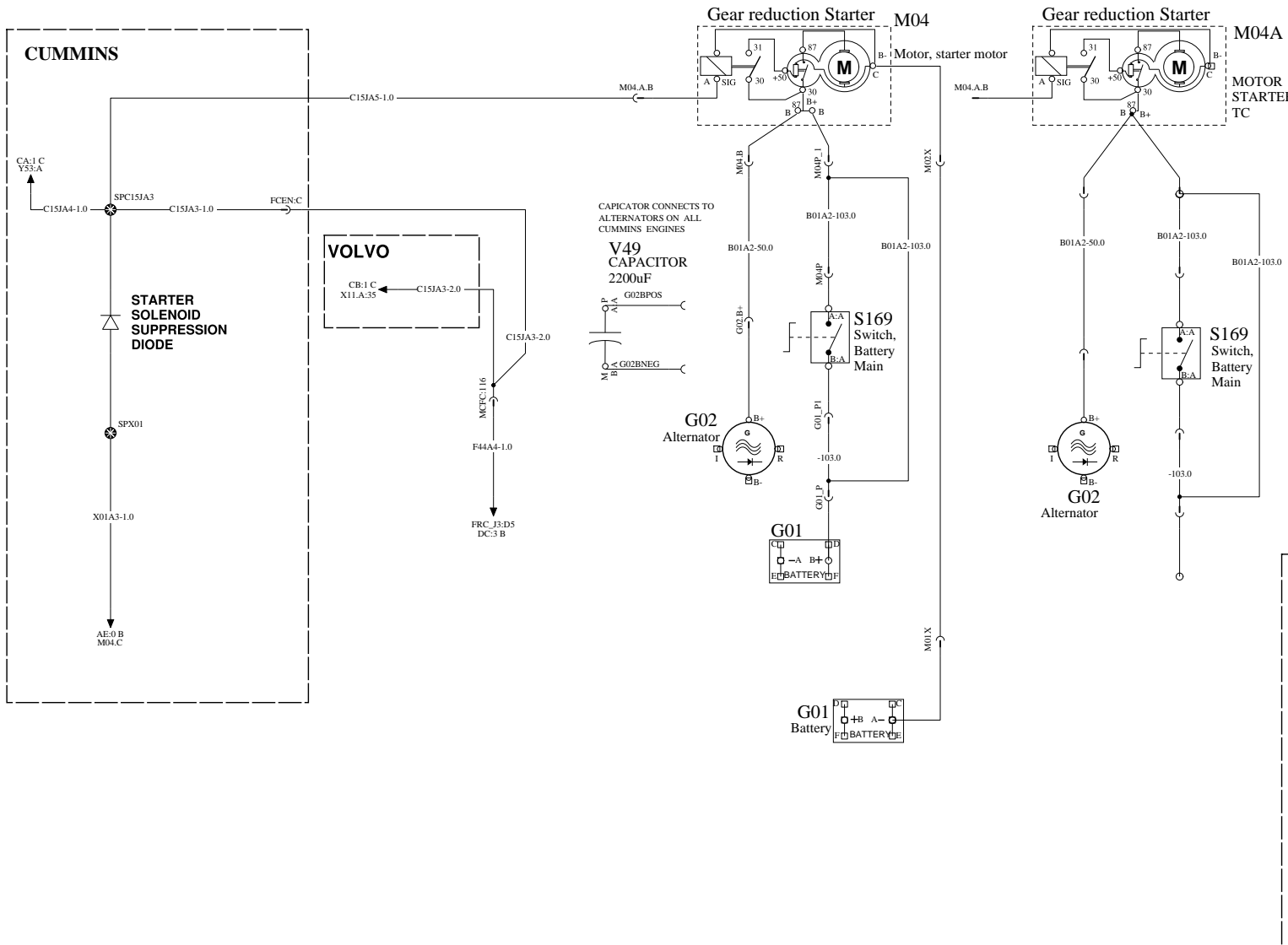
INDIVIDUAL GROUNDING CIRCUITS CONNECTED TO SPLICES, SPLICE PACKS AND GROUNDING STUDS FROM THIS PAGE ARE SHOWN ON PAGES SHOWING THE RESPECTIVE SYSTEM.



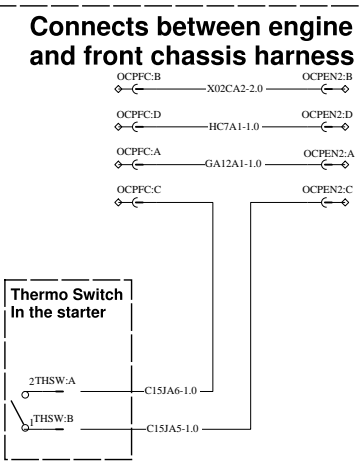
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	Document type				
	PRODUCT SCHEMATIC				

STARTING AND CHARGING

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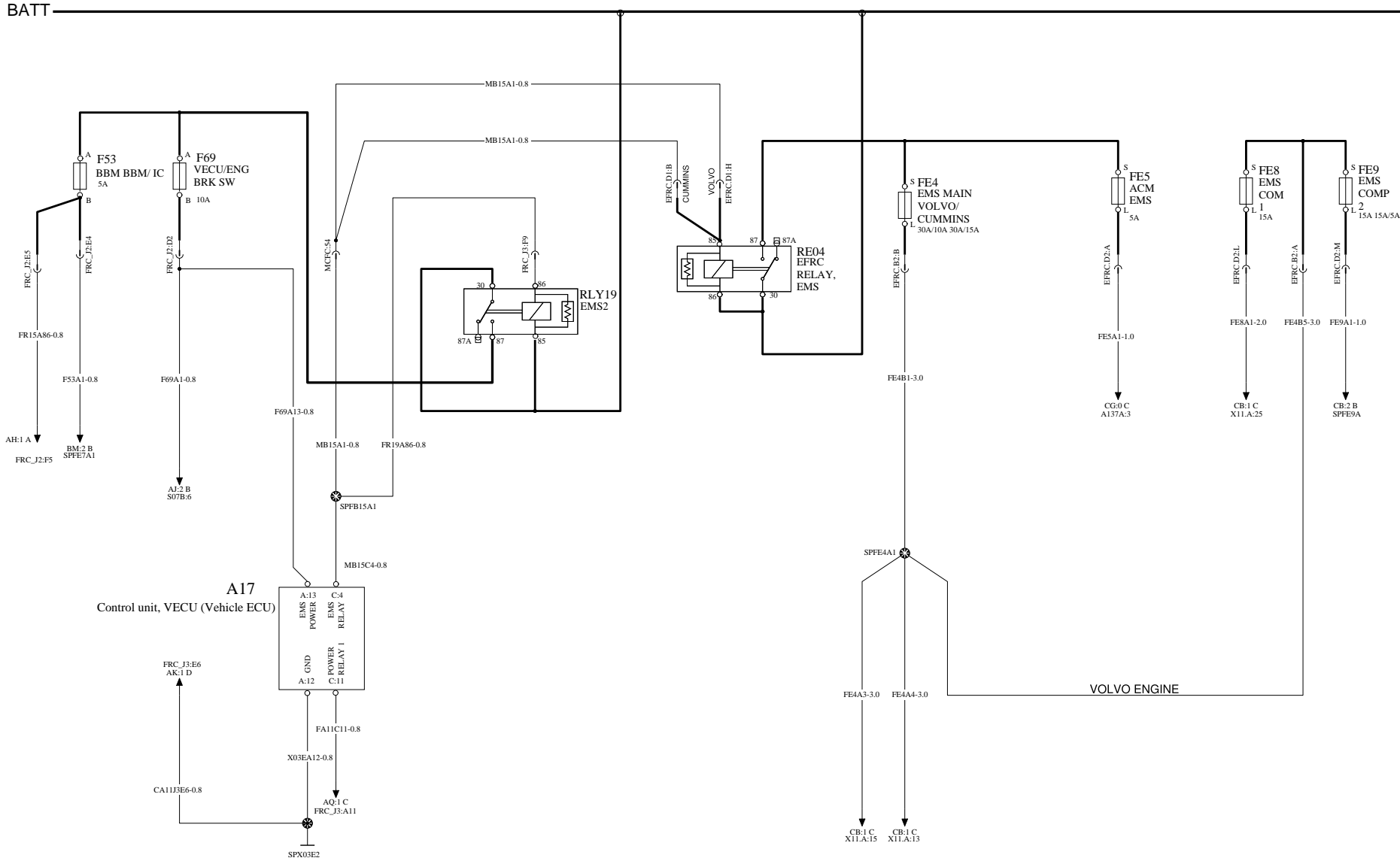


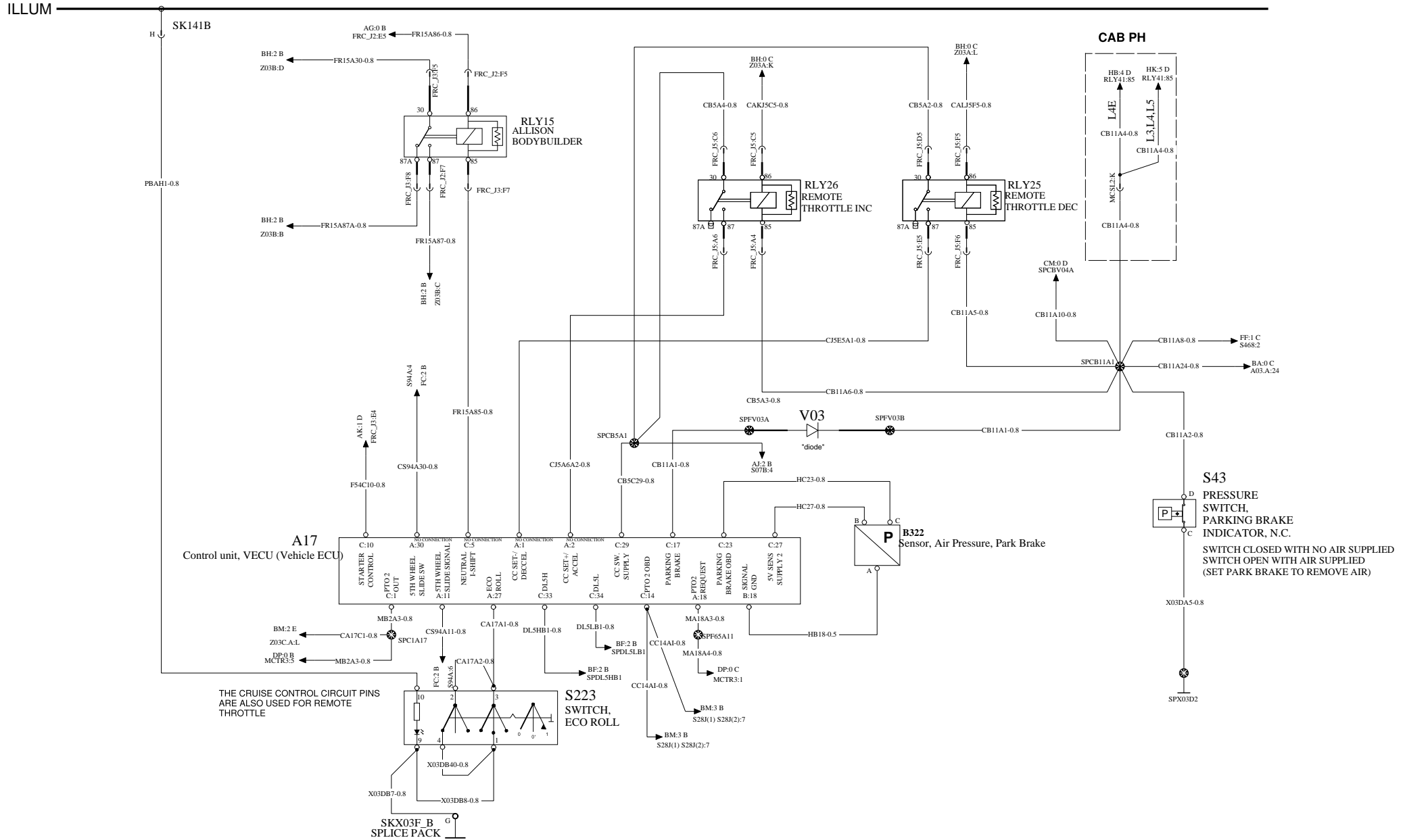
DELCO 39 MT STARTER WITH OCP 12STR-S6



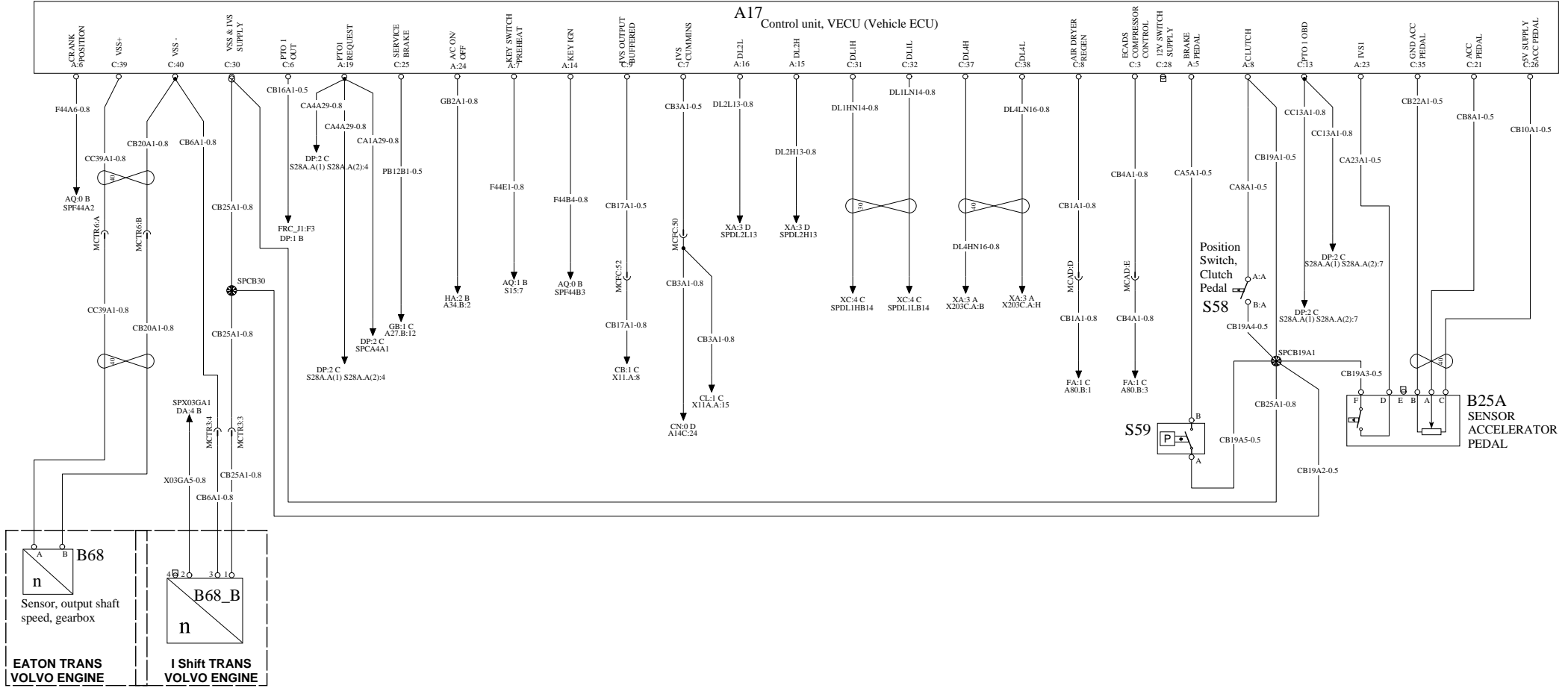
VEHICLE ECU 1/4 - EMS POWER CONTROL

WIRING DIAGRAM: AG

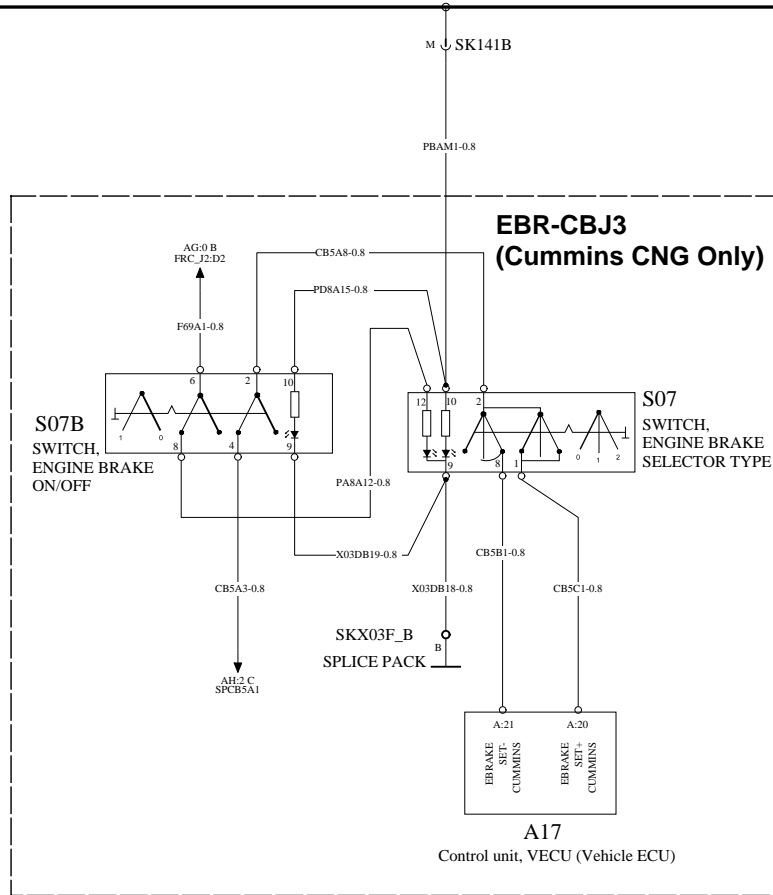




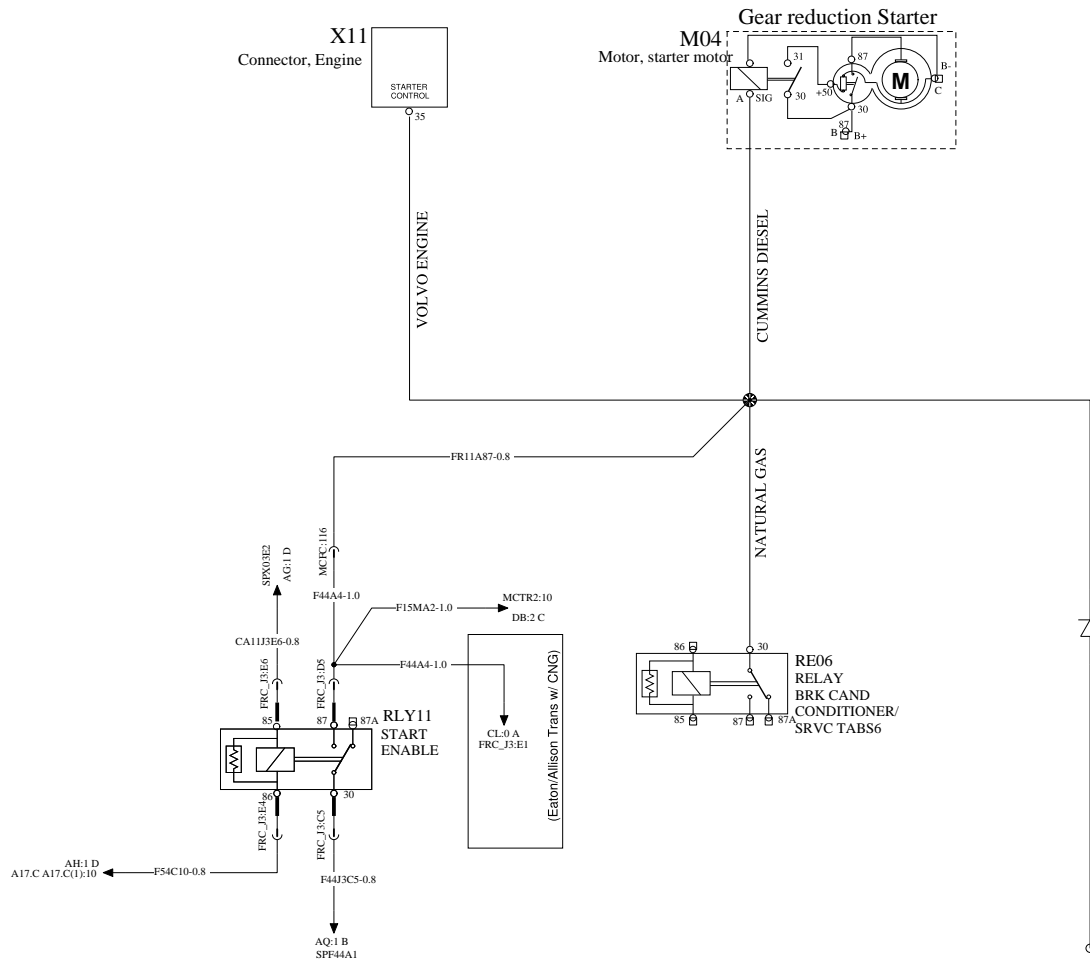
A17 Control unit, VECU (Vehicle ECU)



ILLUM



KEY _____

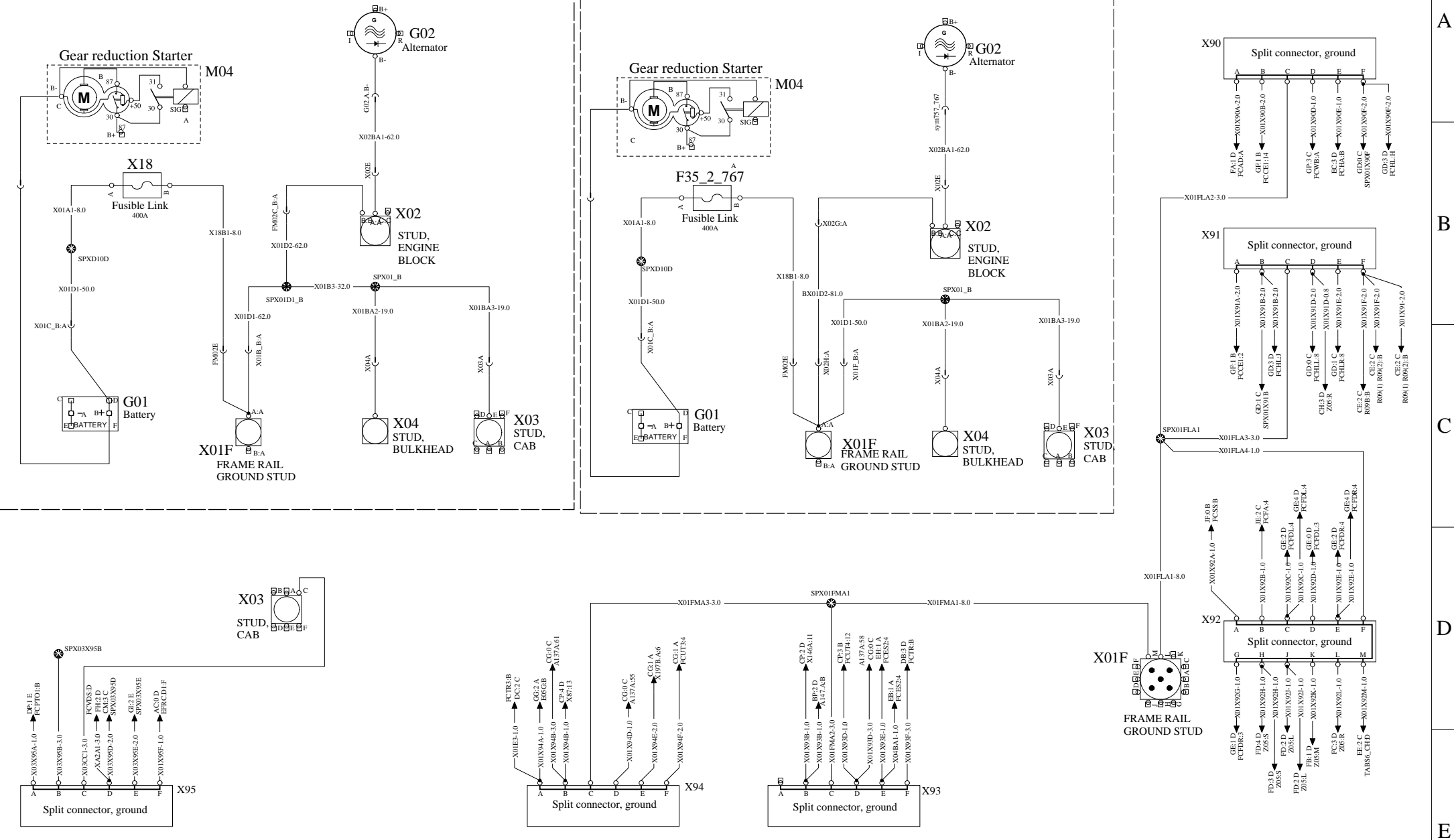


GROUNDING OPTIONS

WIRING DIAGRAM: AL

APCS_B BBOX-L

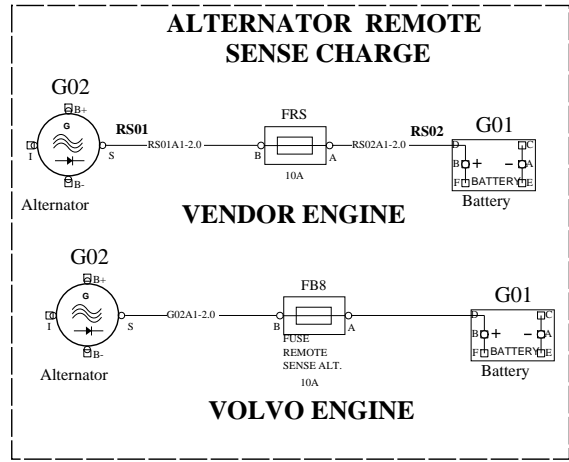
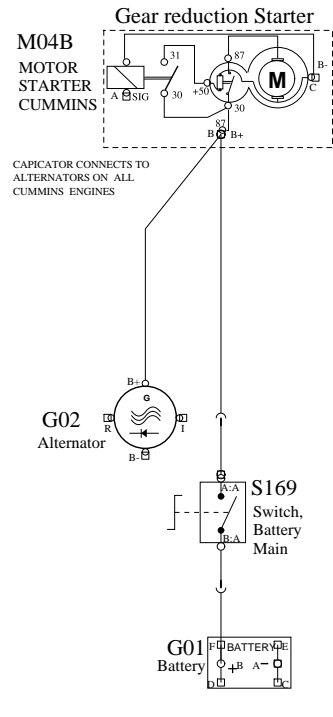
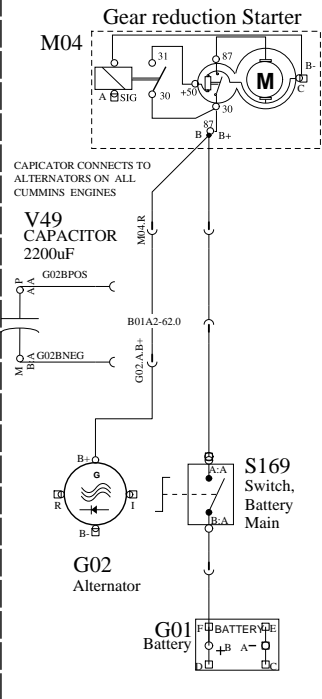
APCS_B BBOX-L



CHARGING AND POWER CABLE OPTIONS

ACAR-HI BBOX-L

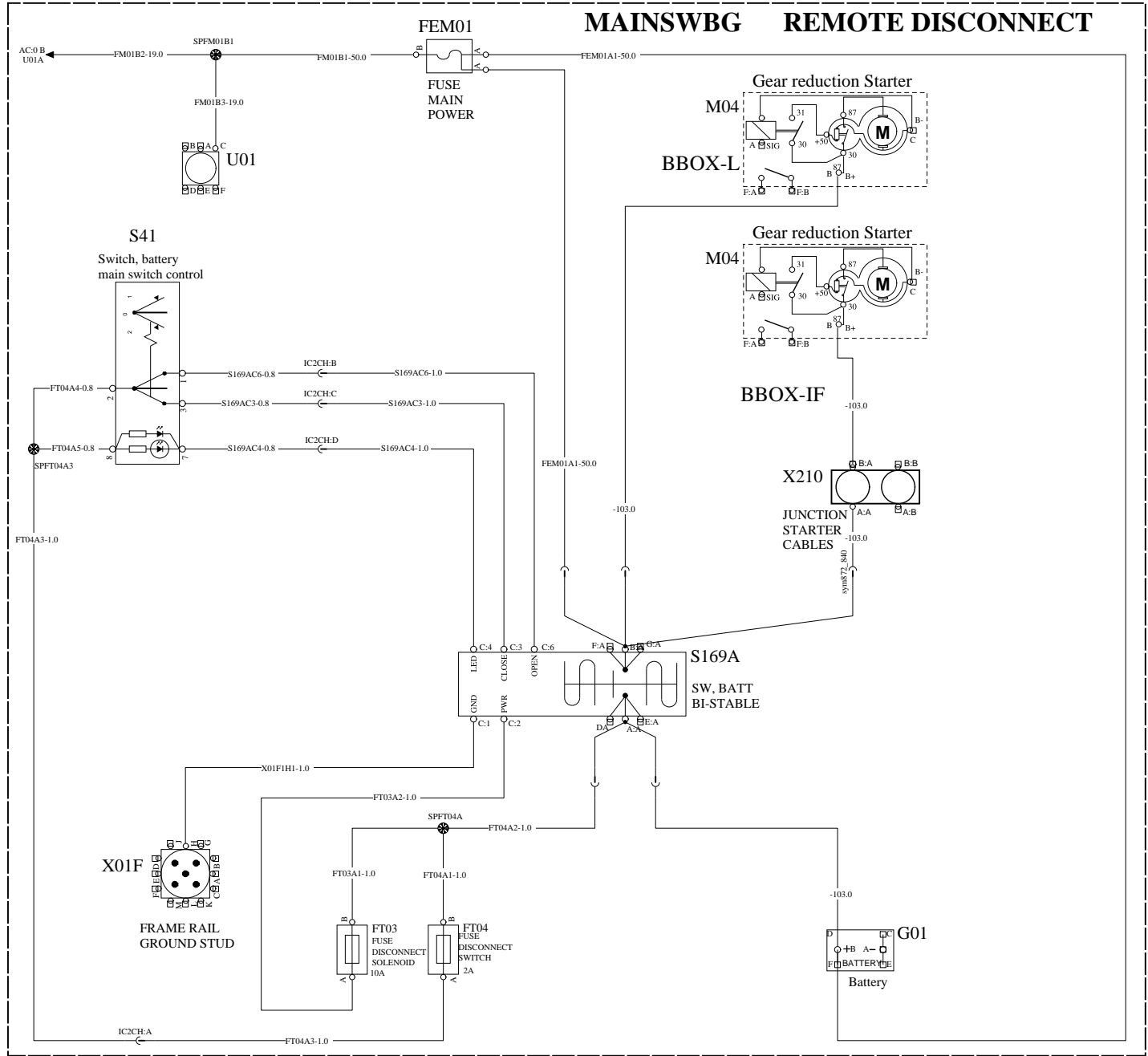
ENG-CU15 BBOX-IF

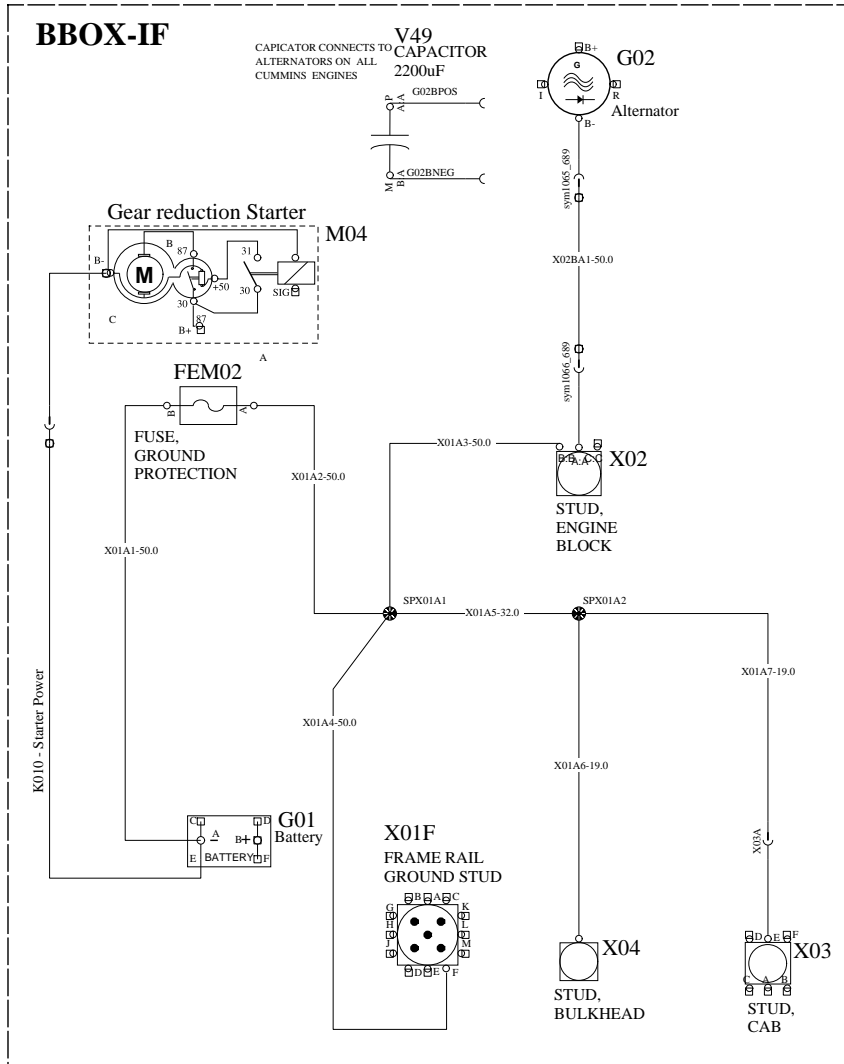
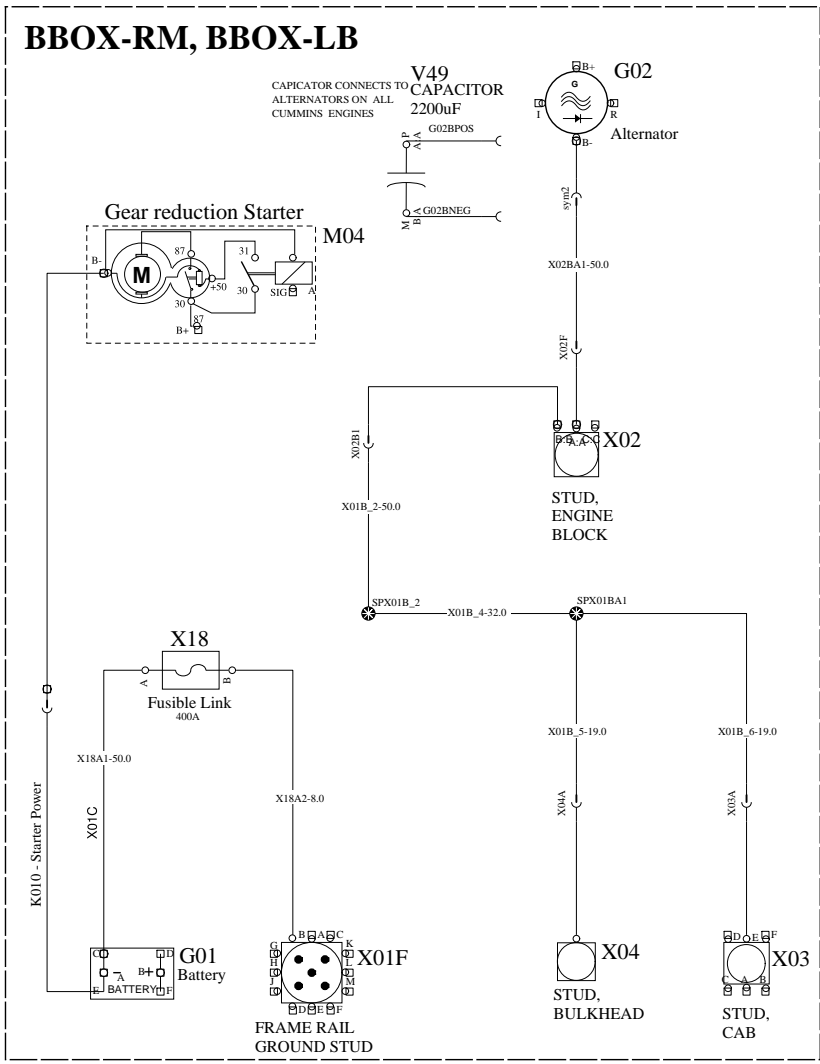


WIRING DIAGRAM: AM

MAINSWBG

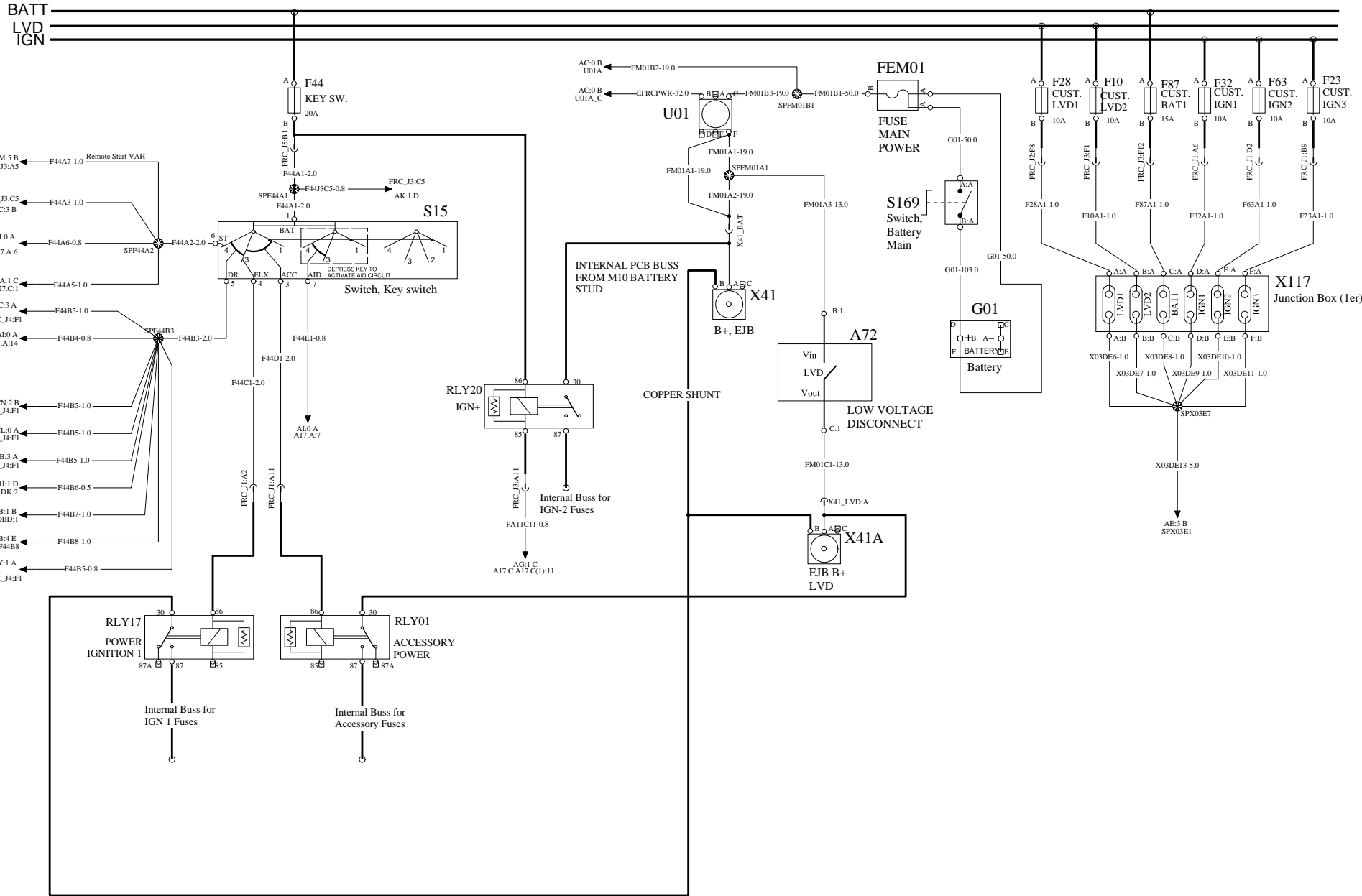
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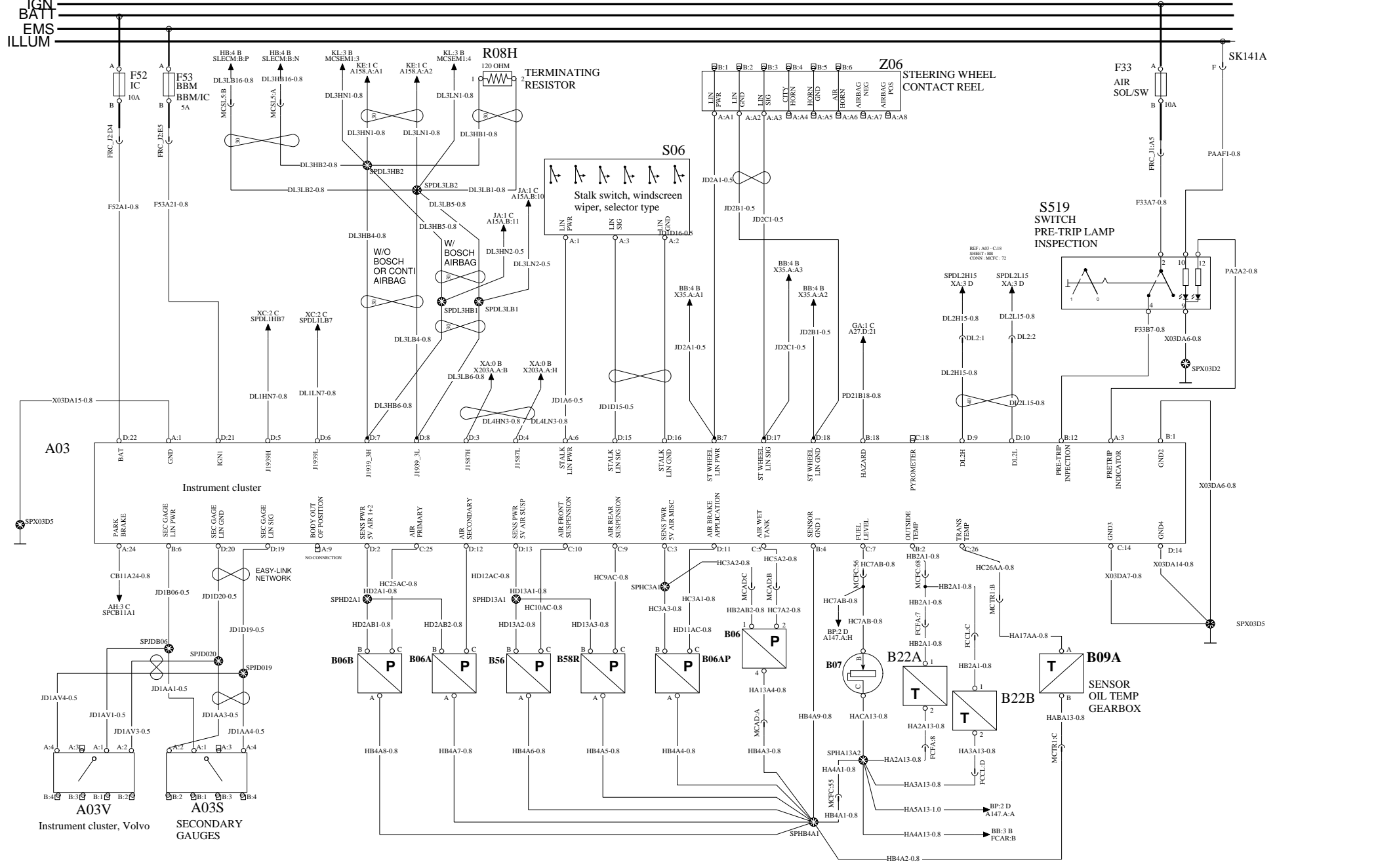
POWER DISTRIBUTION

WIRING DIAGRAM: AQ



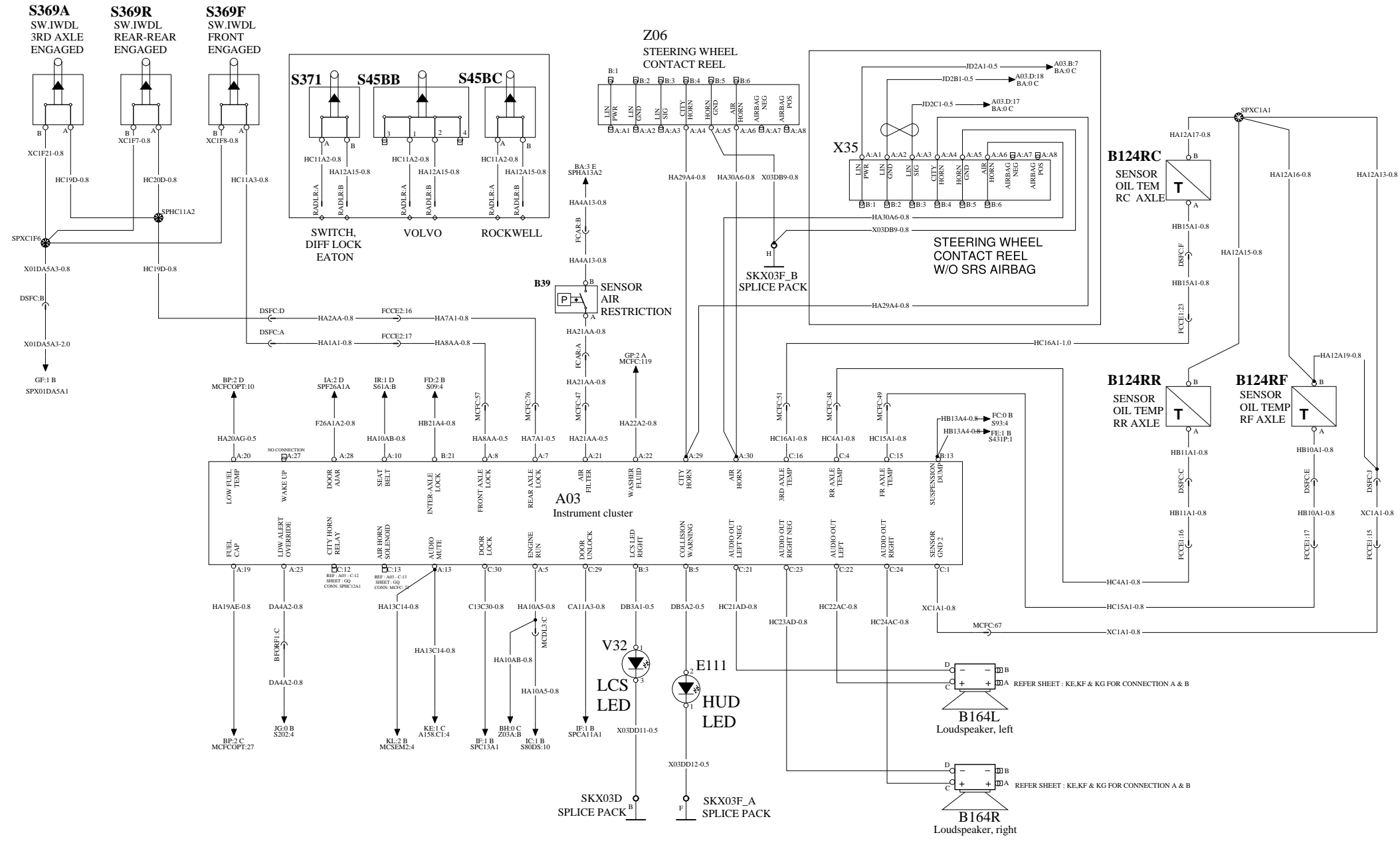
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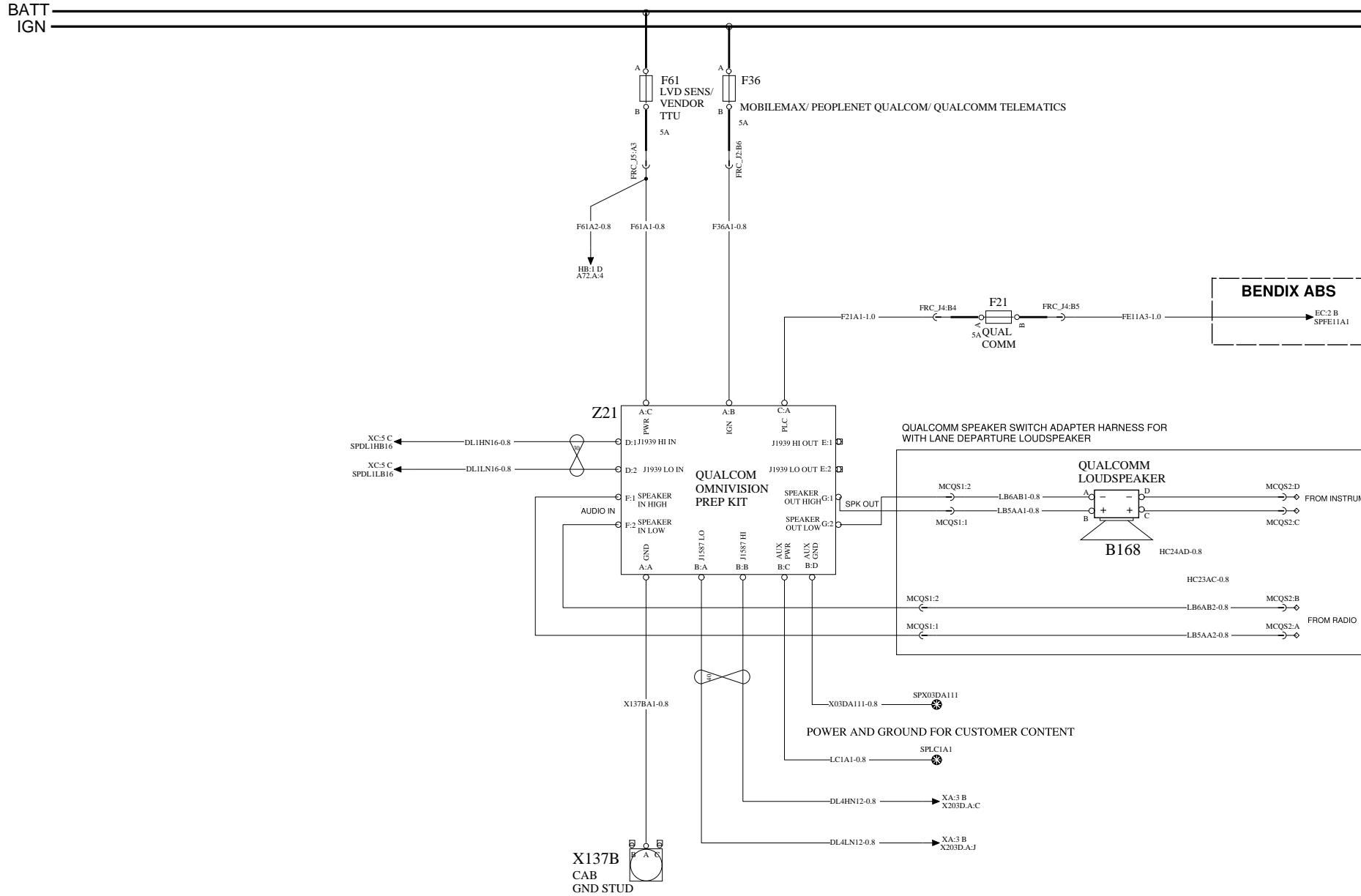
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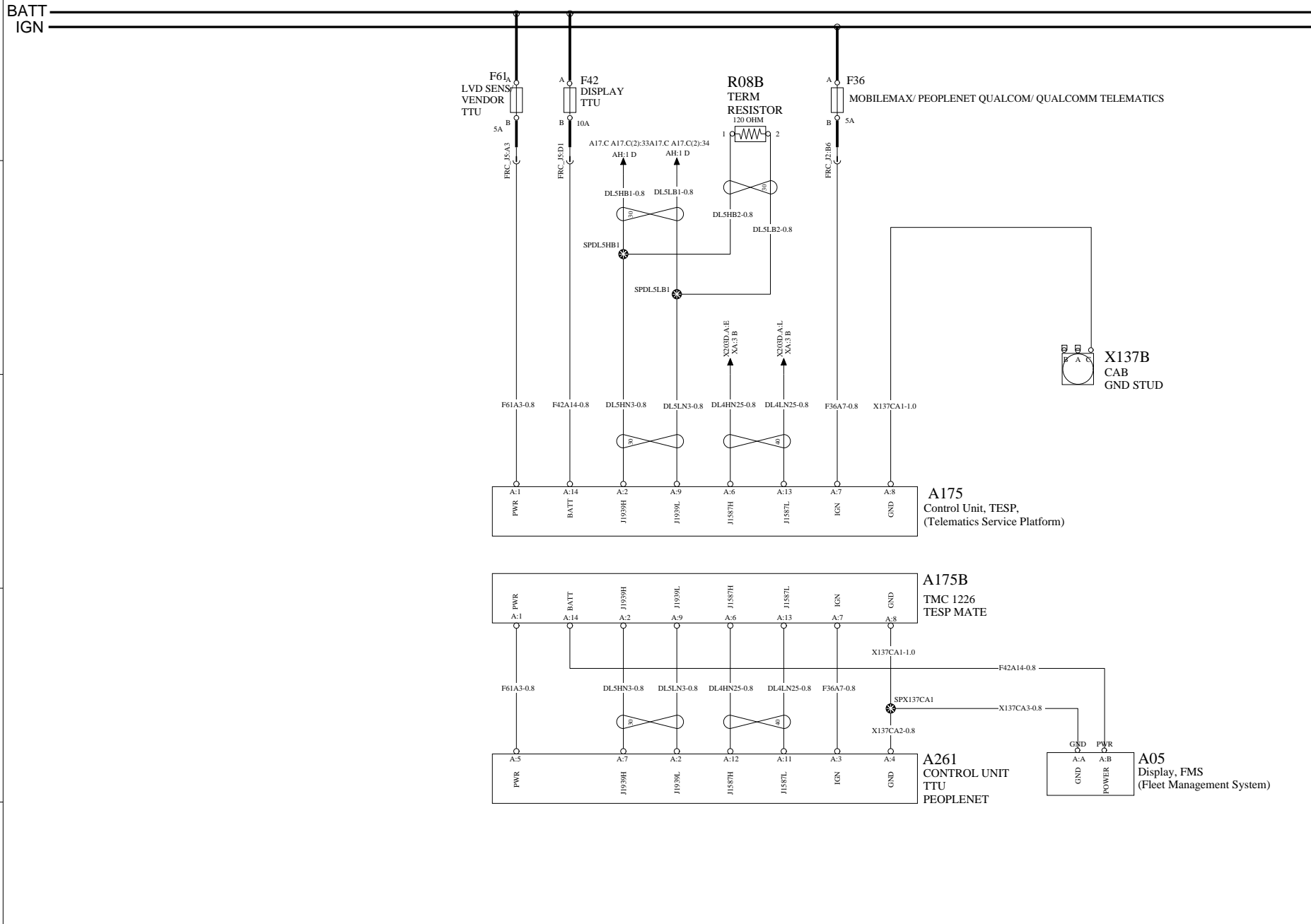


INSTRUMENT CLUSTER 2/2

WIRING DIAGRAM: BB



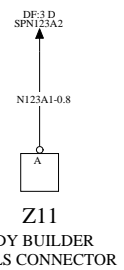
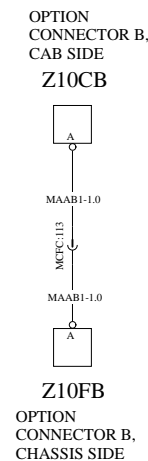
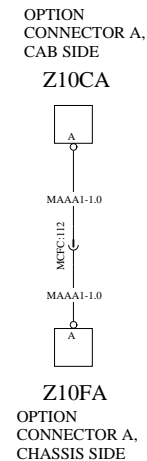
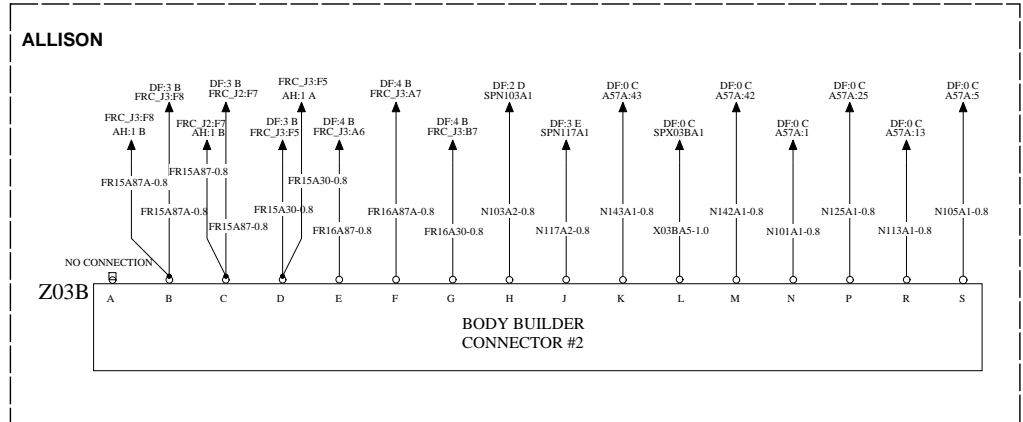
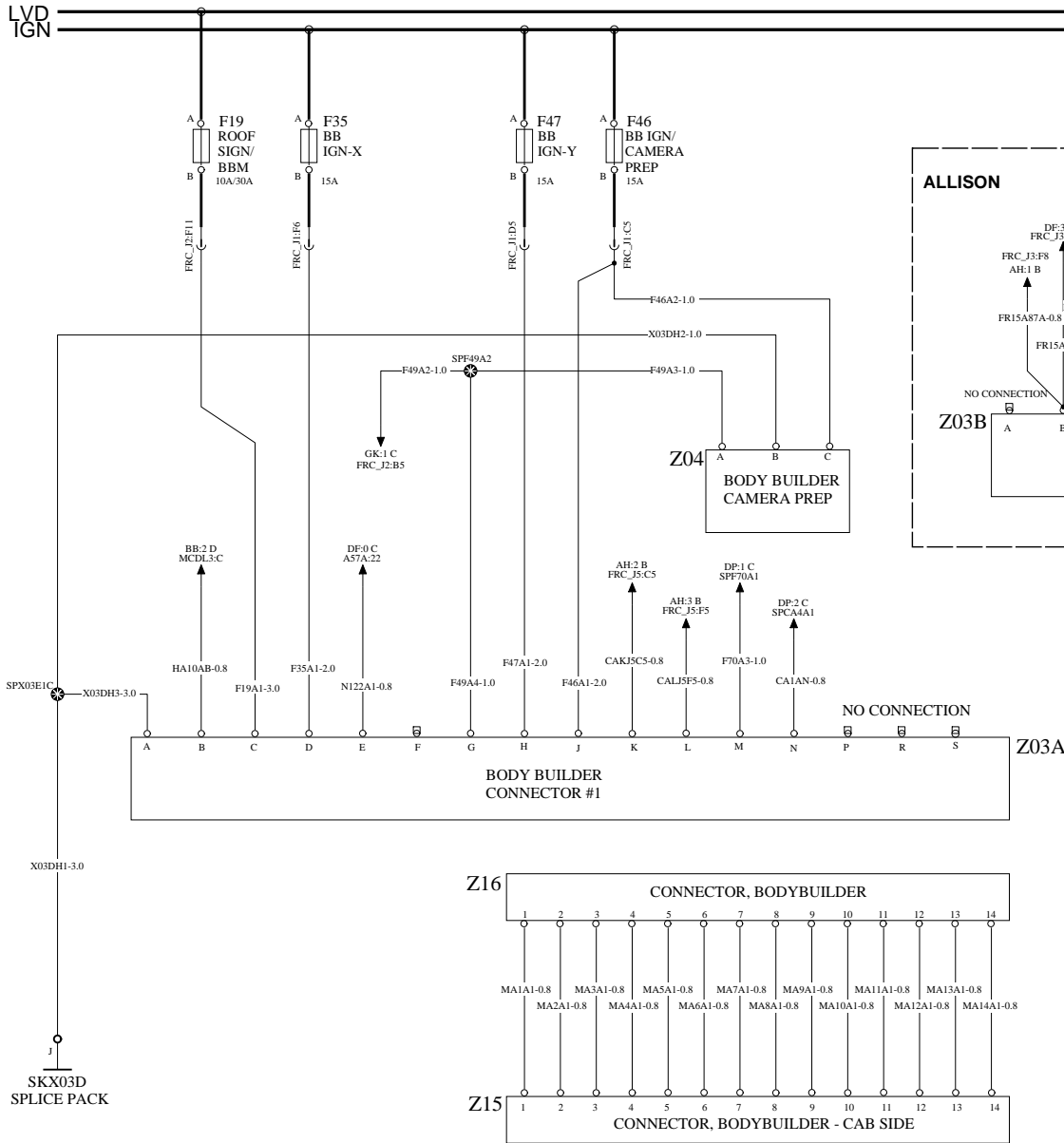


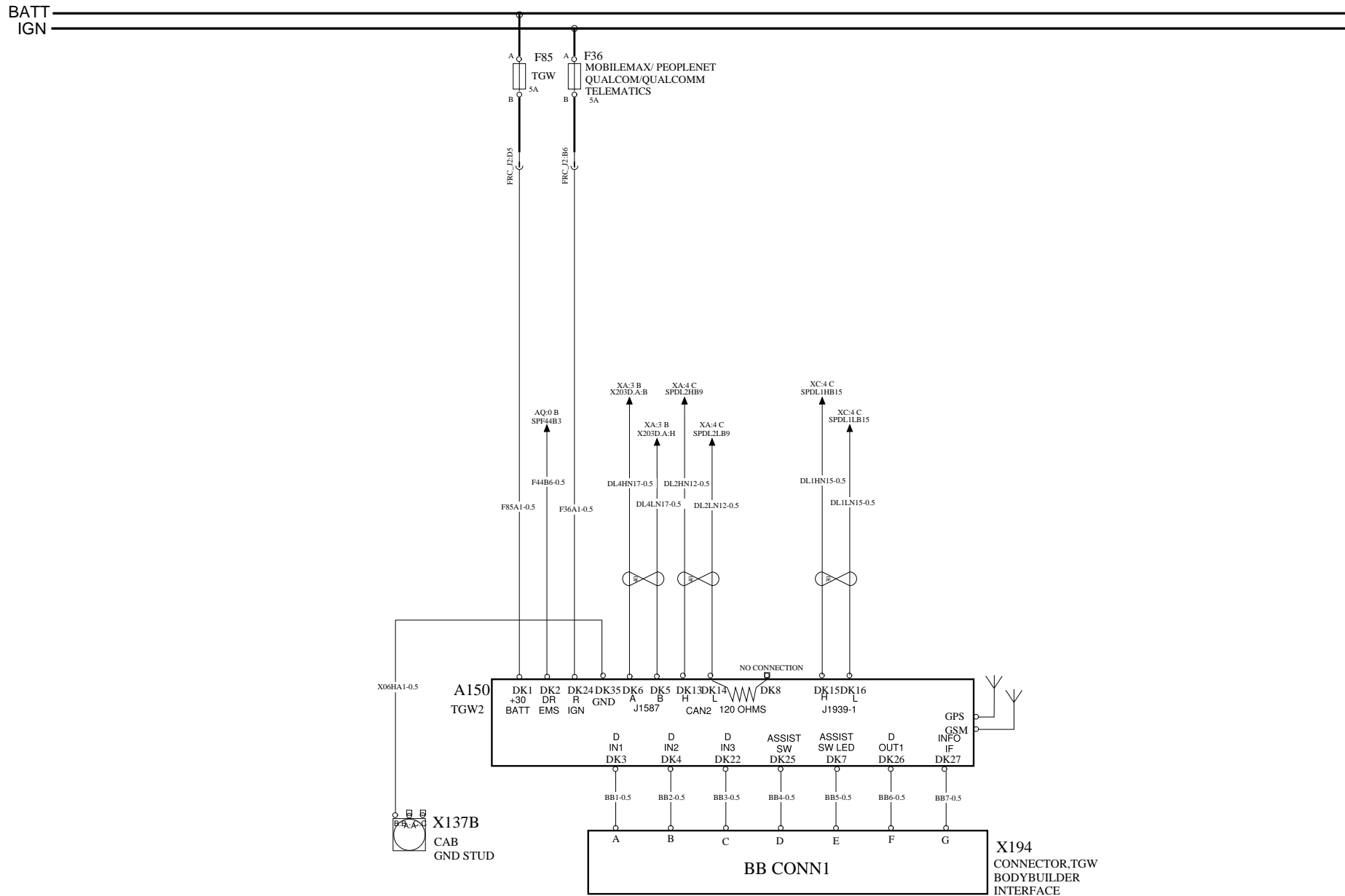


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	PRODUCT SCHEMATIC				

BODYBUILDER

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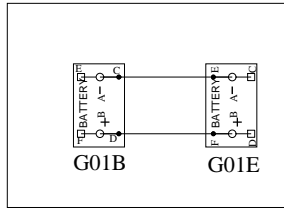




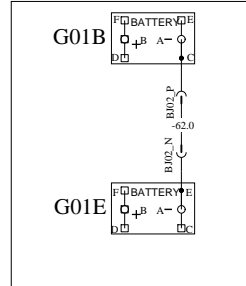
BATTERY BUSSING

WIRING DIAGRAM: BL

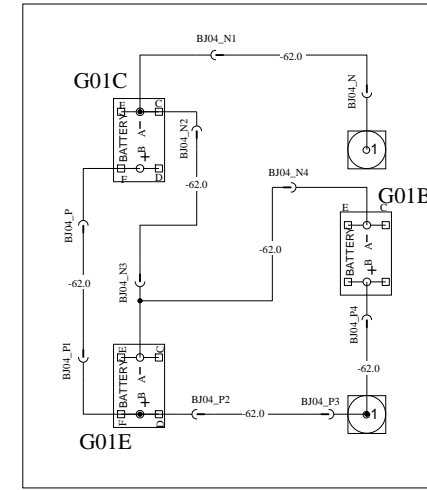
BATTB-N W/ 2 BATTERIES BUSS BARS



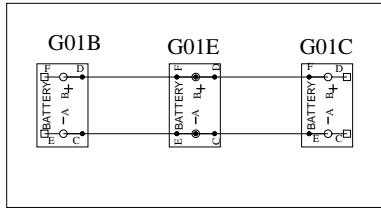
BATTB-S W/2 BATTERIES CABLES FOR JUMPERS



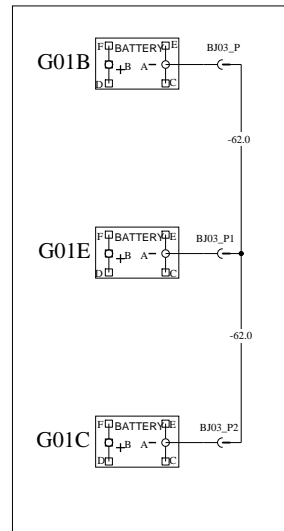
BATTB-SS W/ 3 BATTERIES CABLES FOR JUMPERS



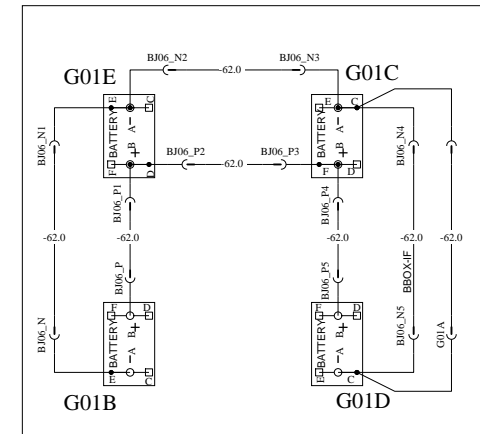
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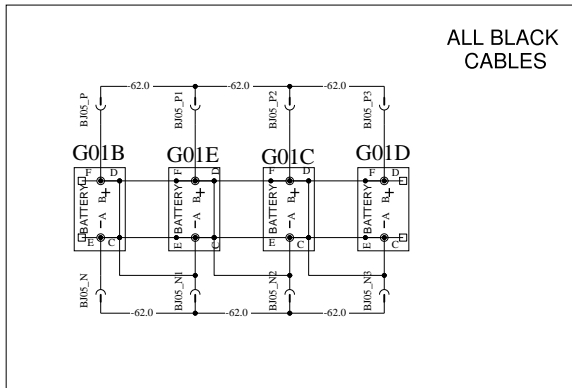
BATTB-S W/ 3 BATTERIES CABLES FOR JUMPERS



BBOX_IF / CBBOX_IF CABLES FOR JUMPERS

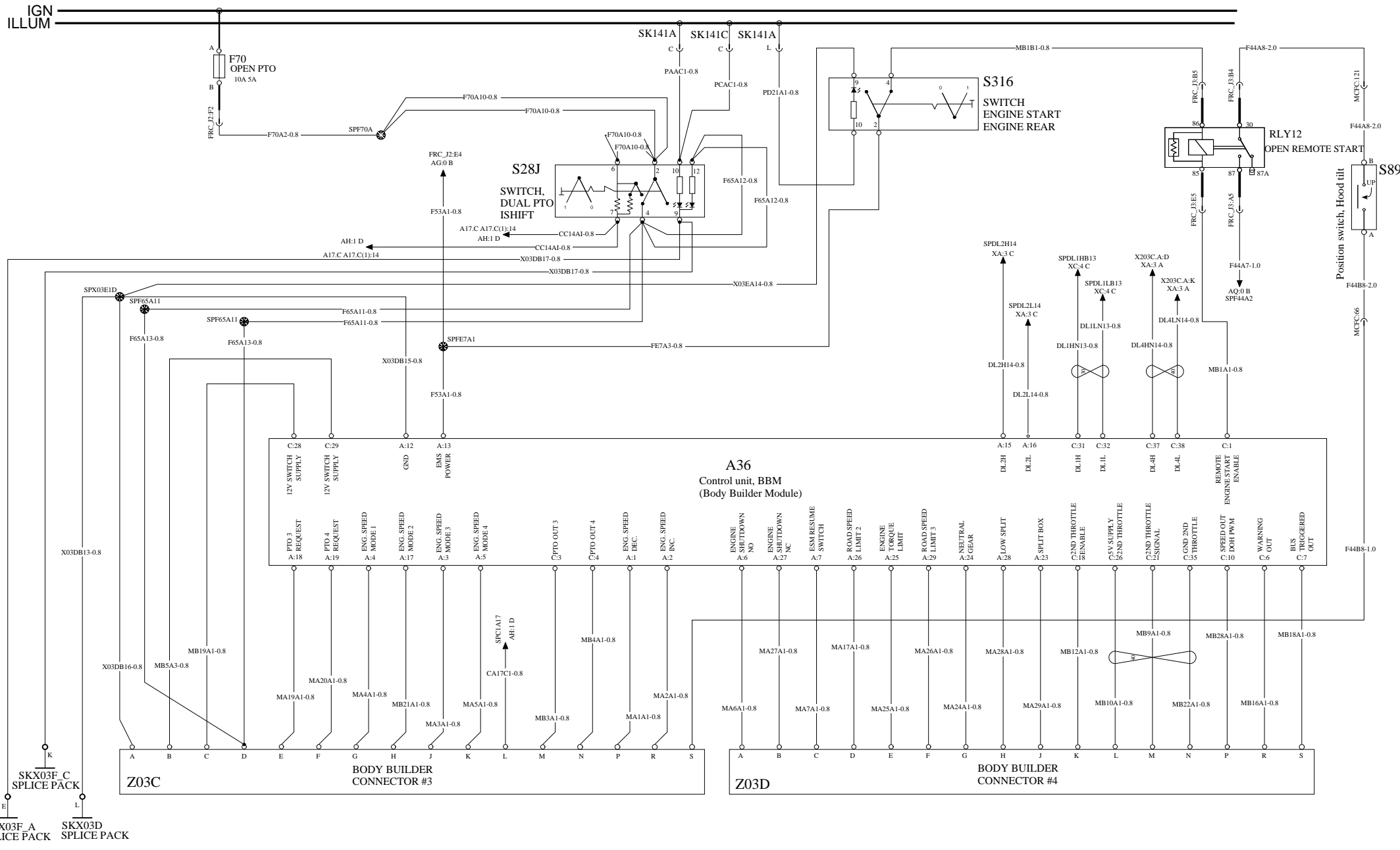


BATTB-N W/ 4 BATTERIES BUSS BARS
BATTB-N W/ 4 BATTERIES FOR JUMPERS

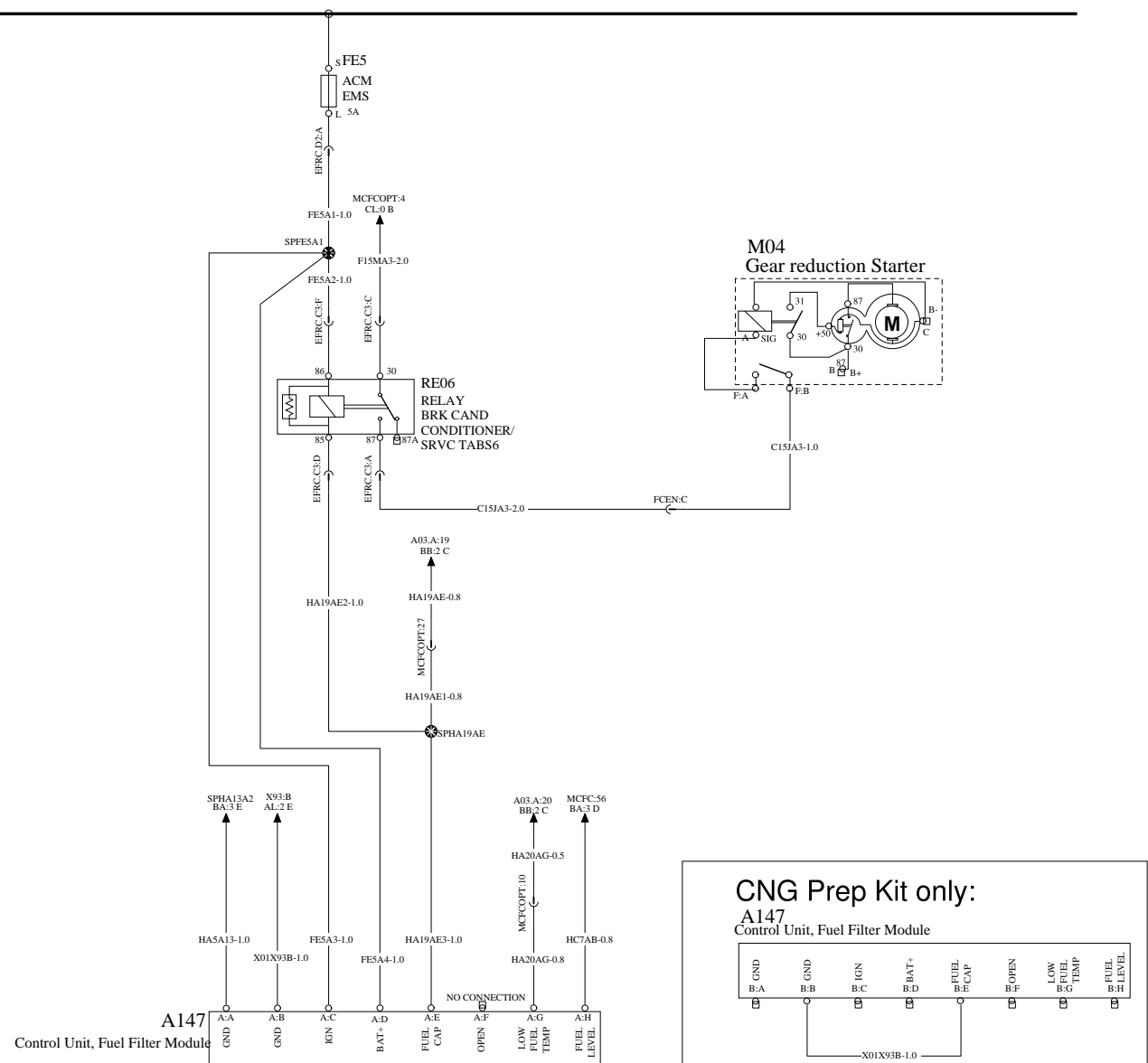


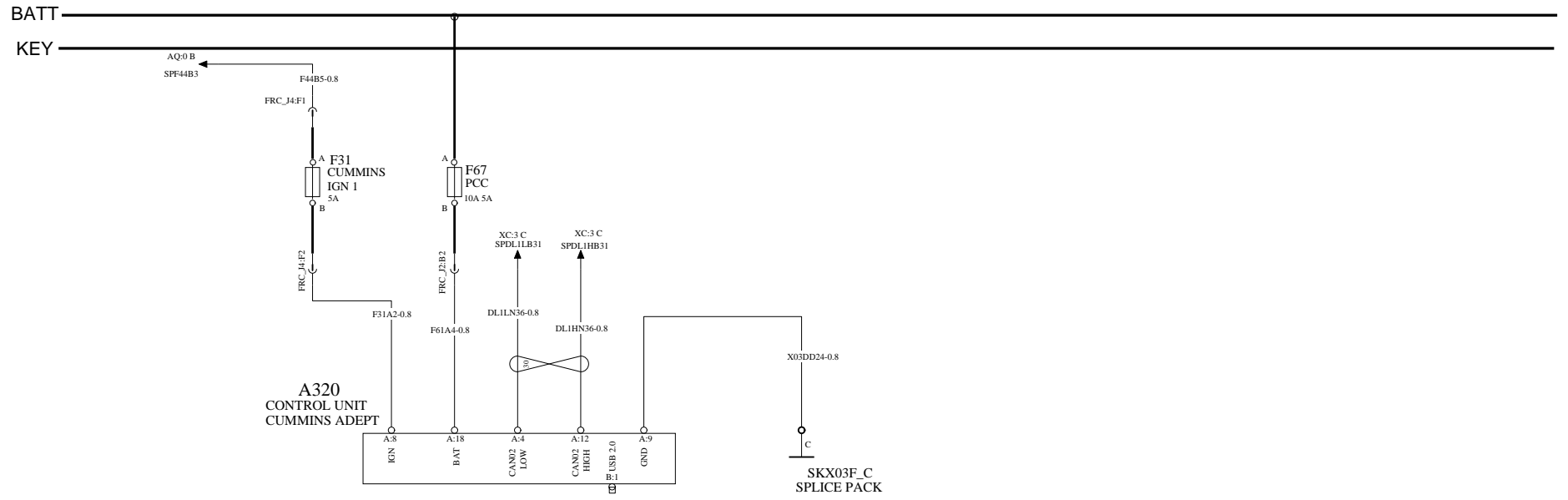
BODYBUILDER MODULE

WIRING DIAGRAM: BM



EMS





VOLVO

Volvo Truck Corporation

Document title
WIRING DIAGRAM, 12V SCHEMATIC

Document type
PRODUCT SCHEMATIC

Document No

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Issue

03

Volume

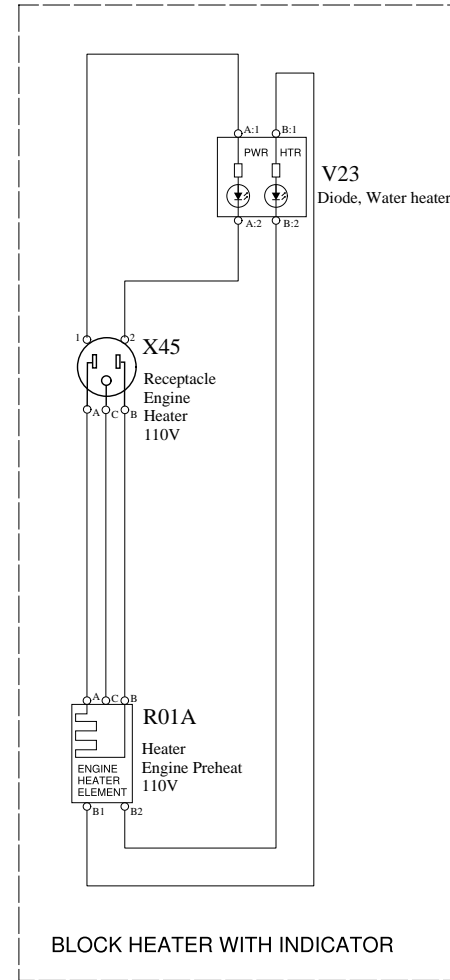
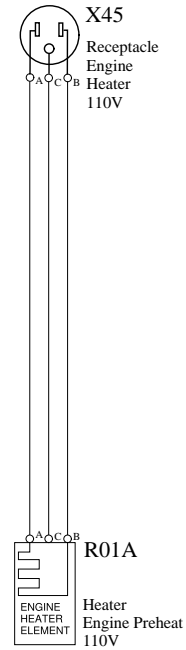
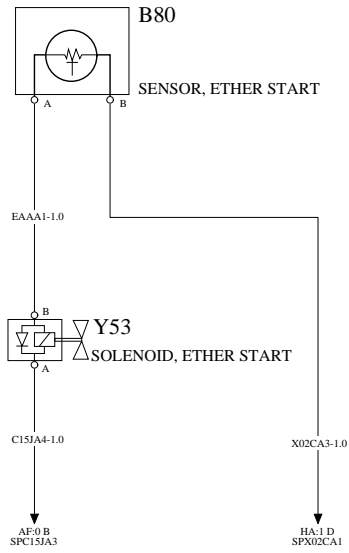
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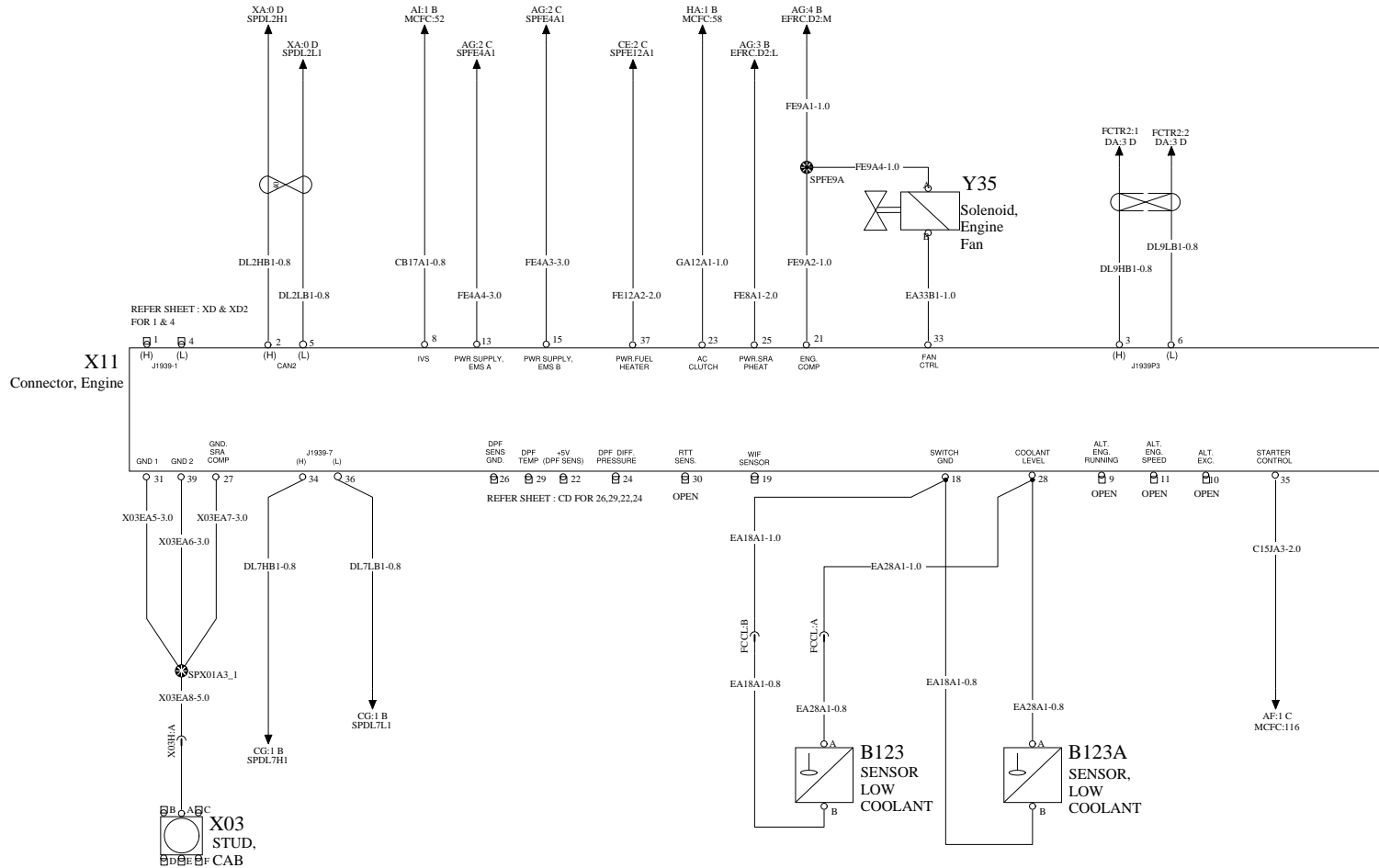
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ETHER START/ENGINE HEATER

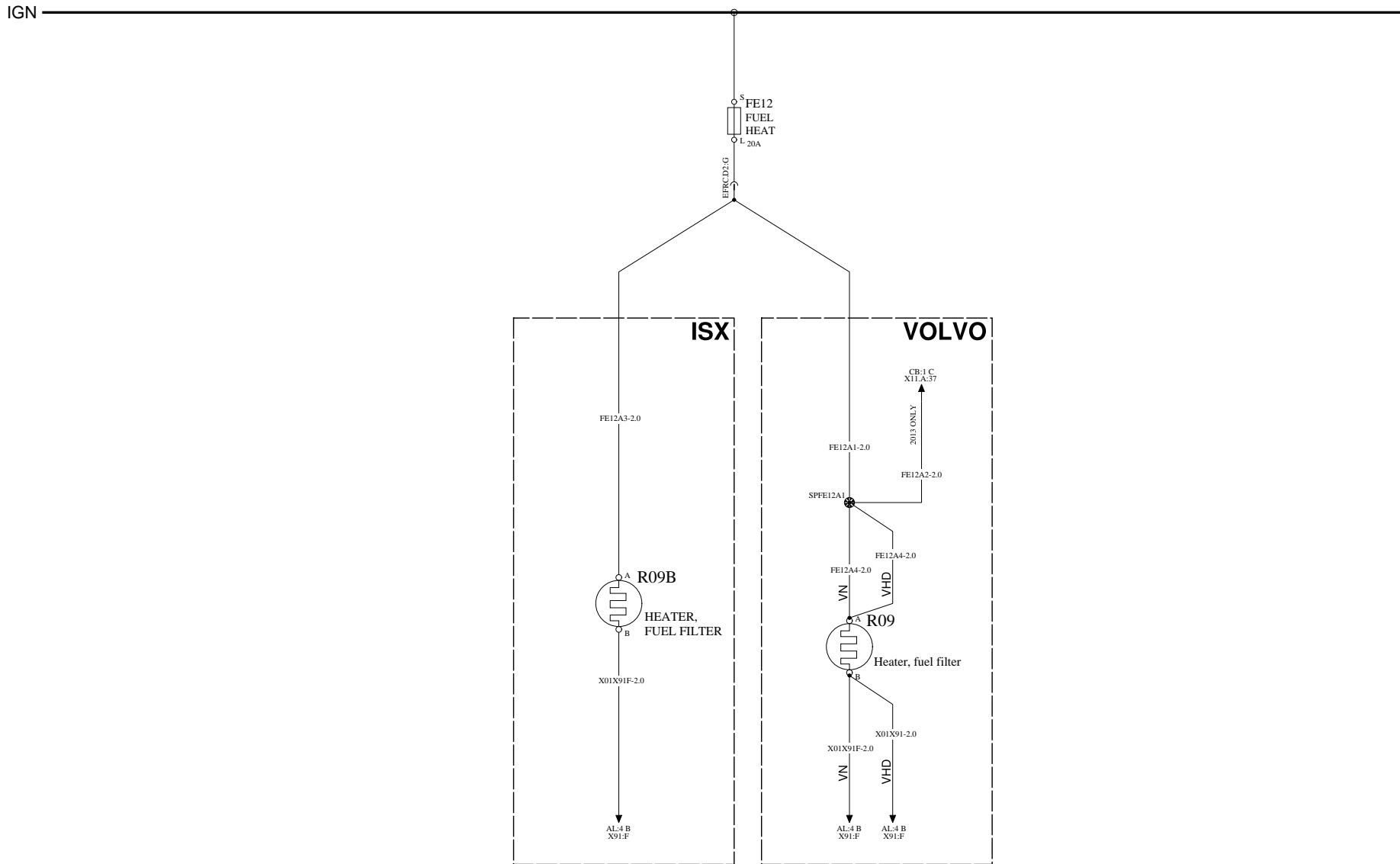
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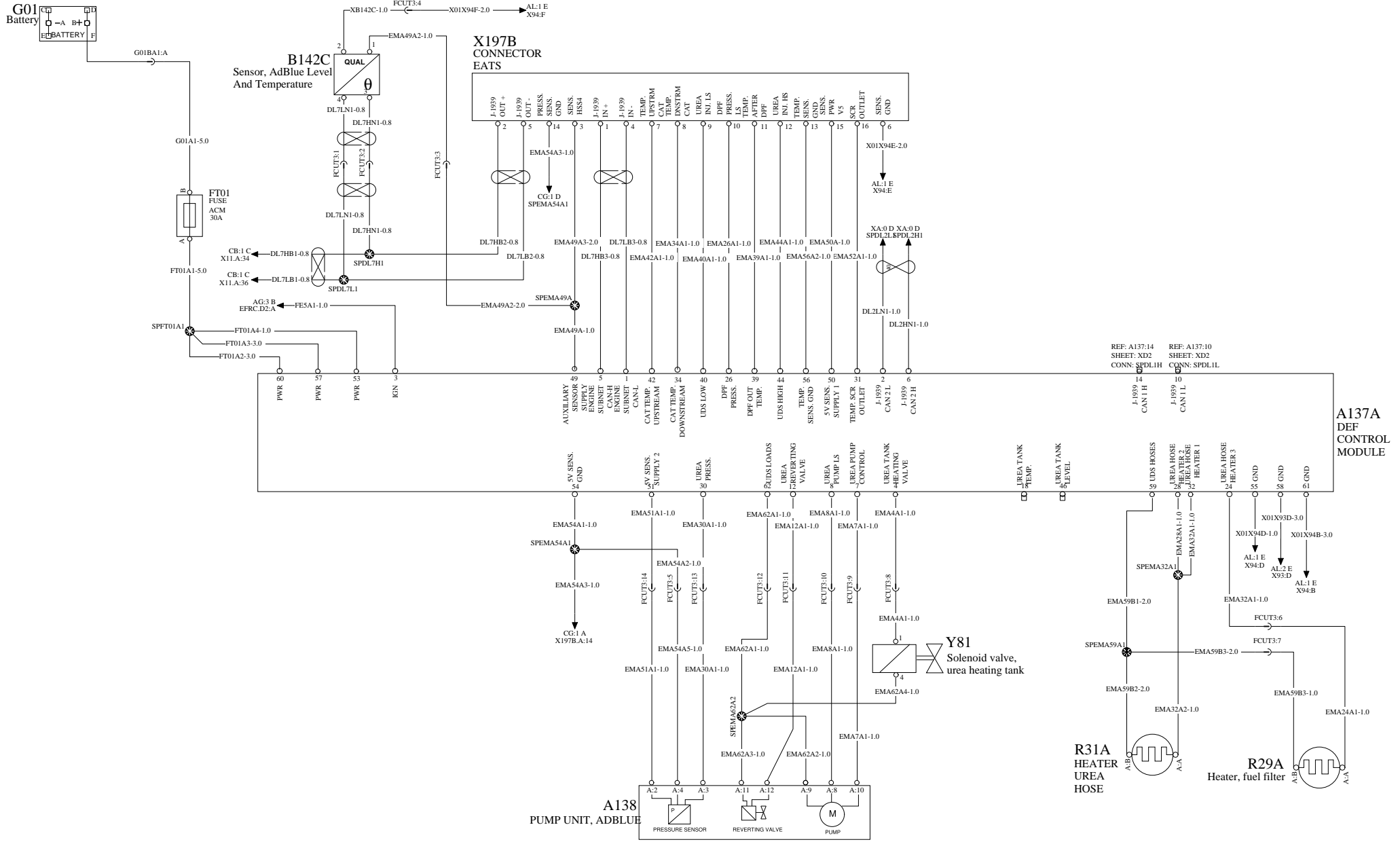
FUEL FILTER HEATER

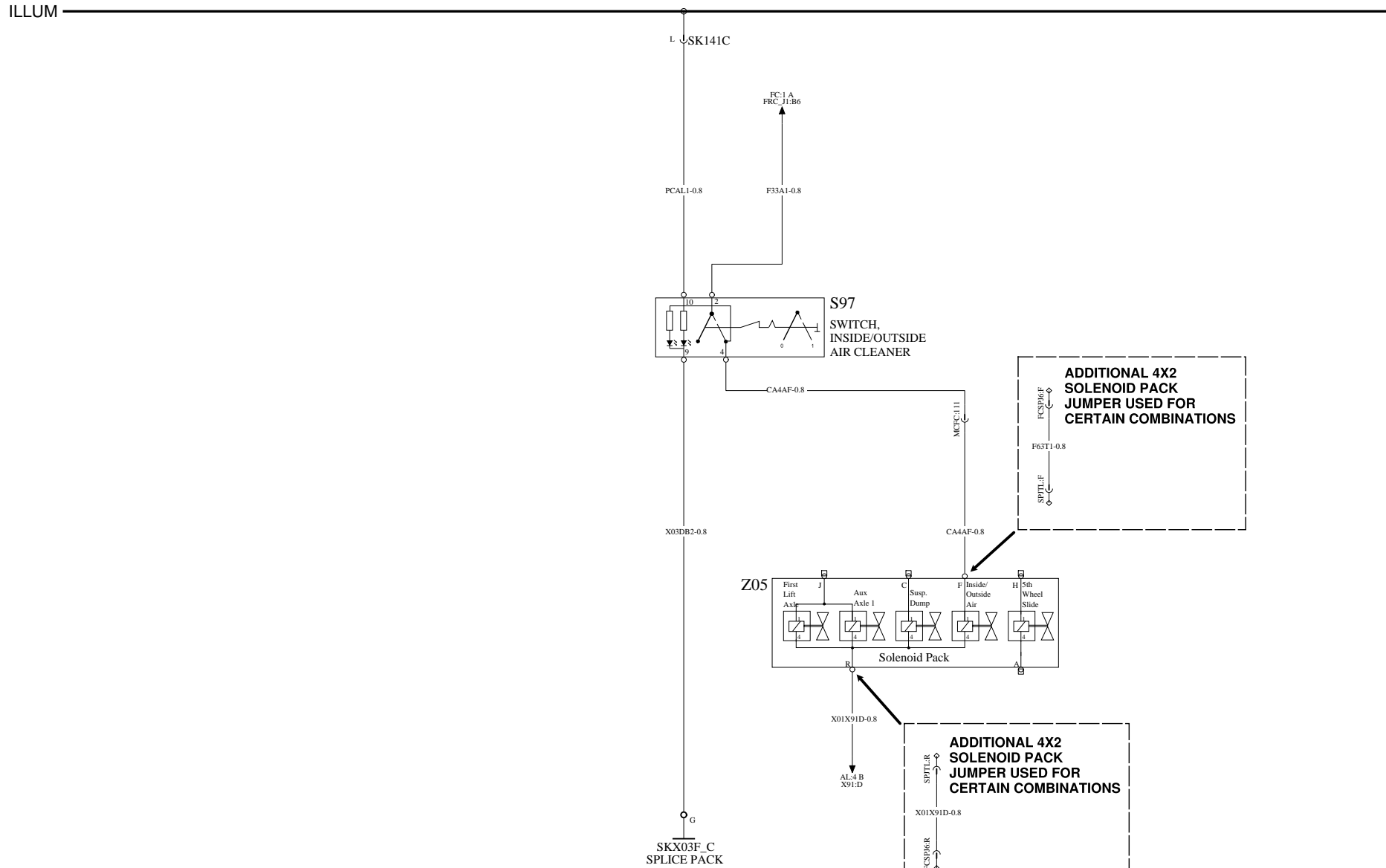
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UREA DOSING SYSTEM - OBD 2019

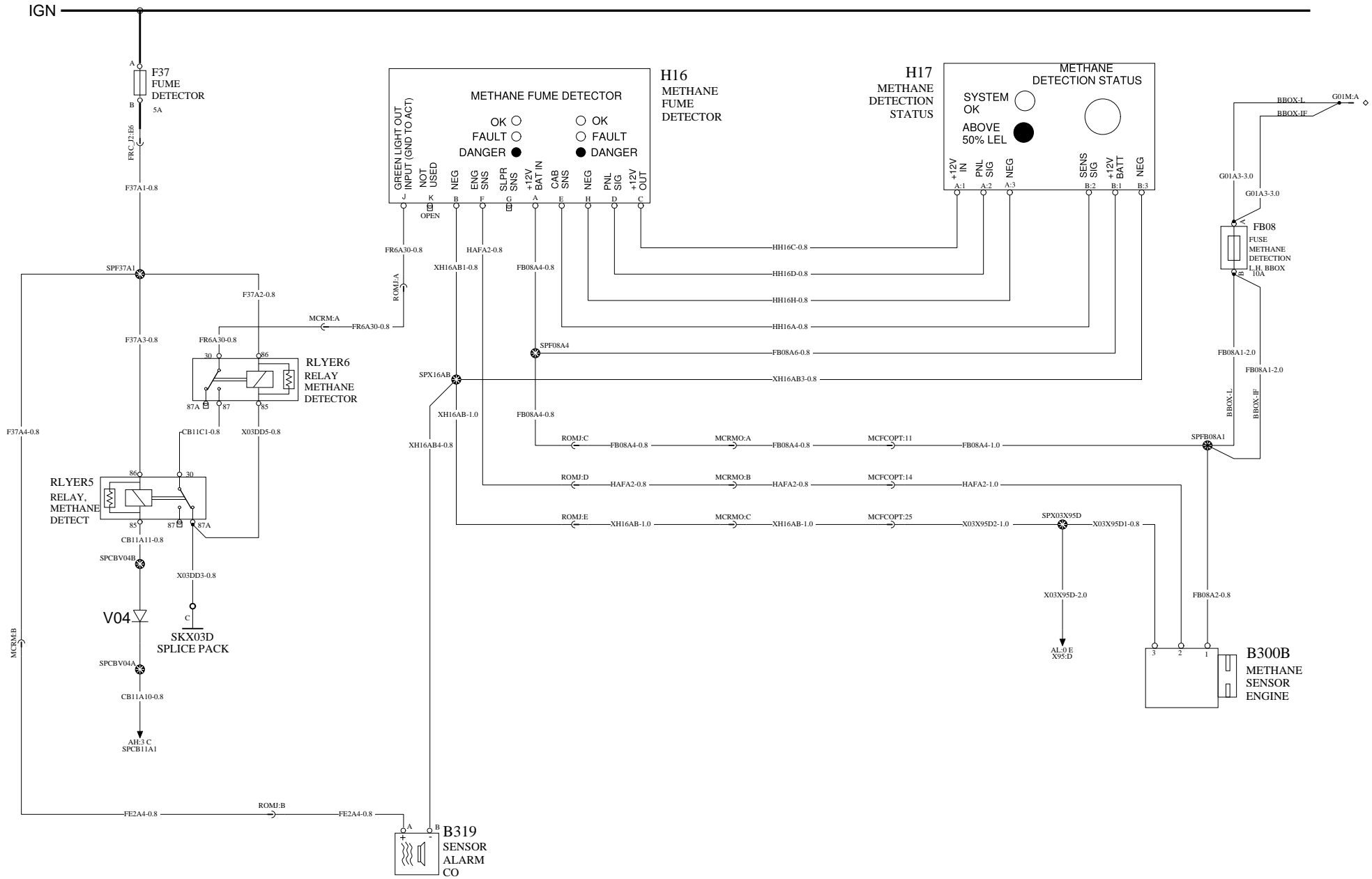
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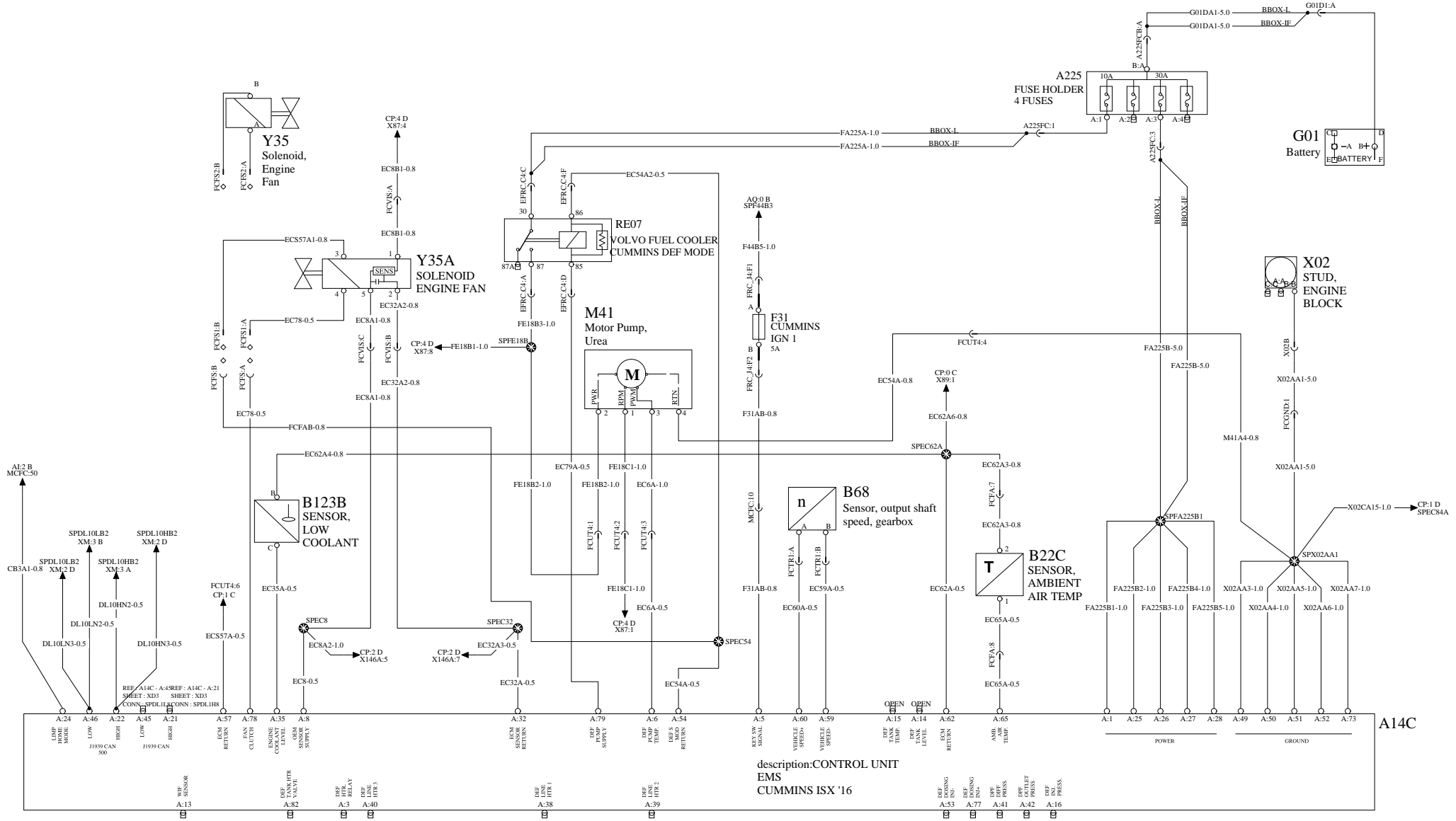




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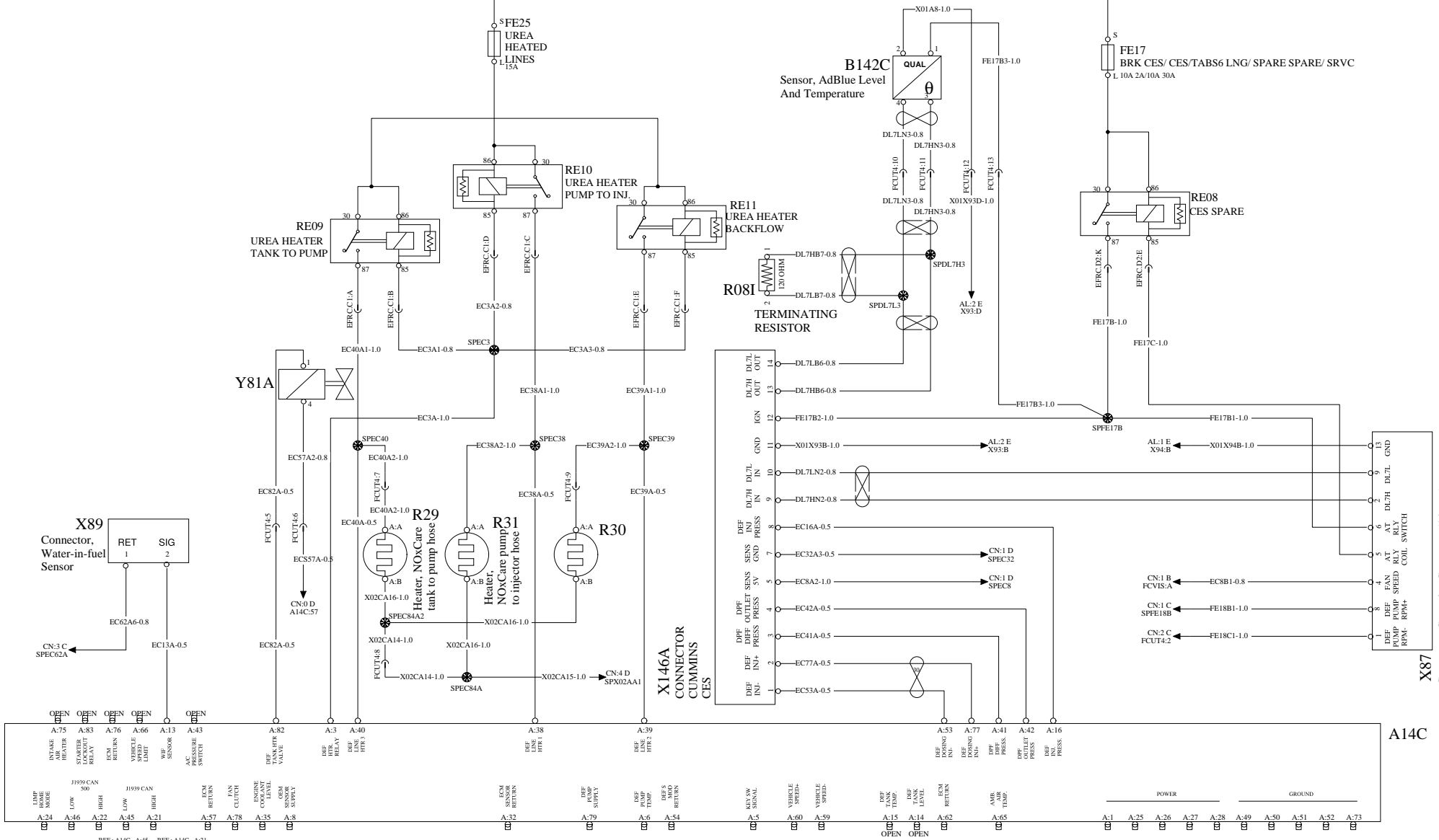
WIRING DIAGRAM: CM





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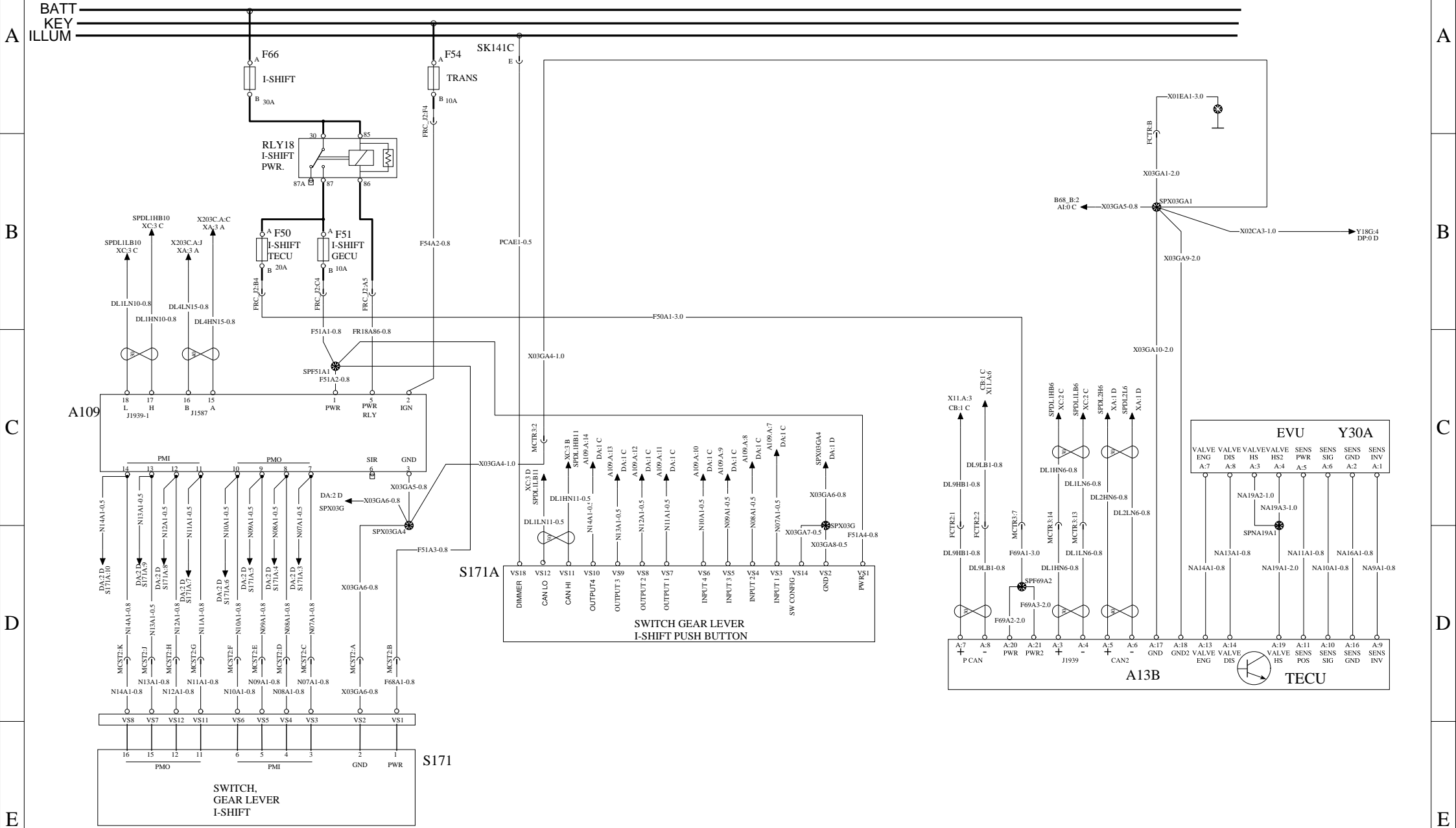
BATT
IGN



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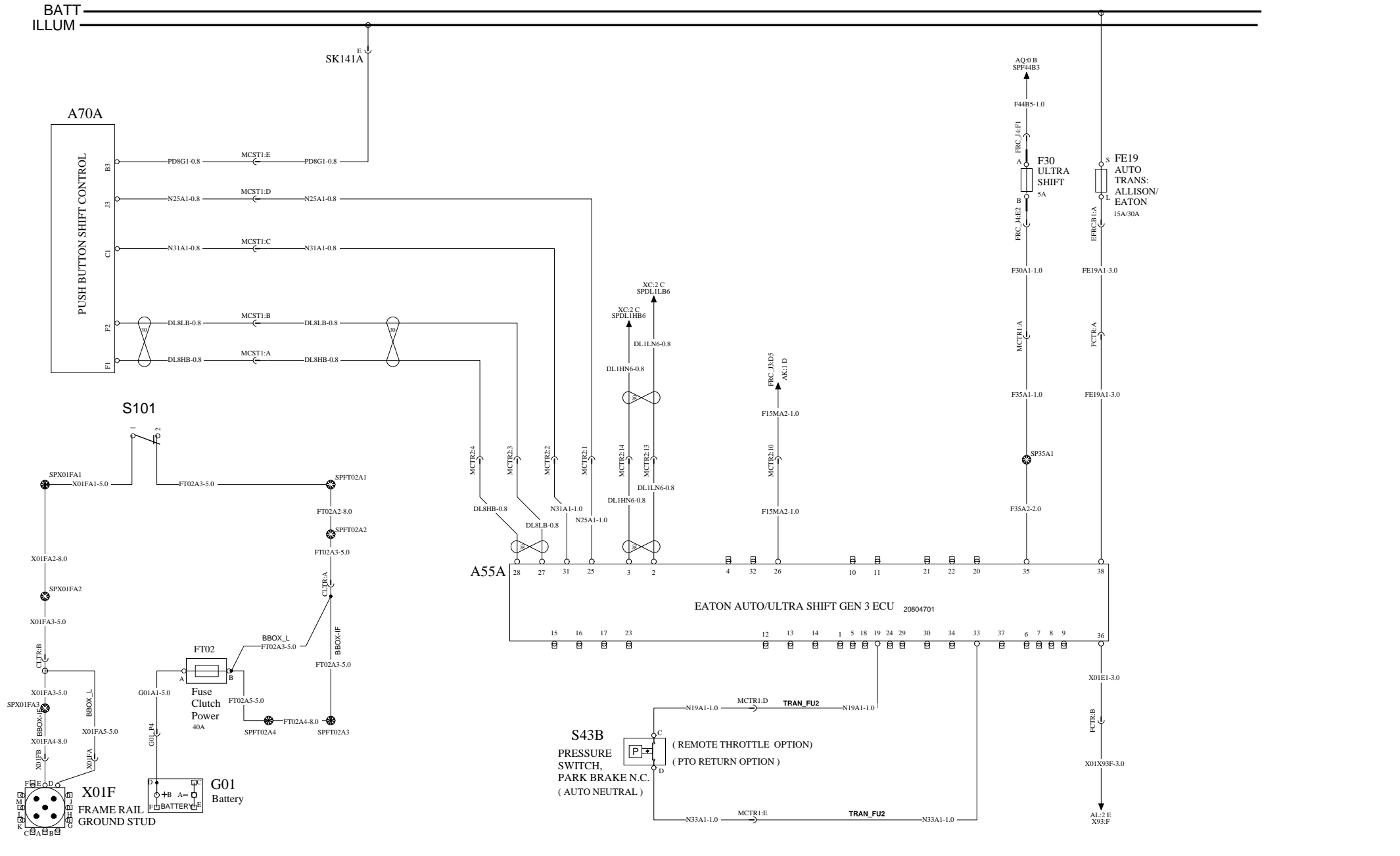
TRANSMISSION I-SHIFT

WIRING DIAGRAM: DA



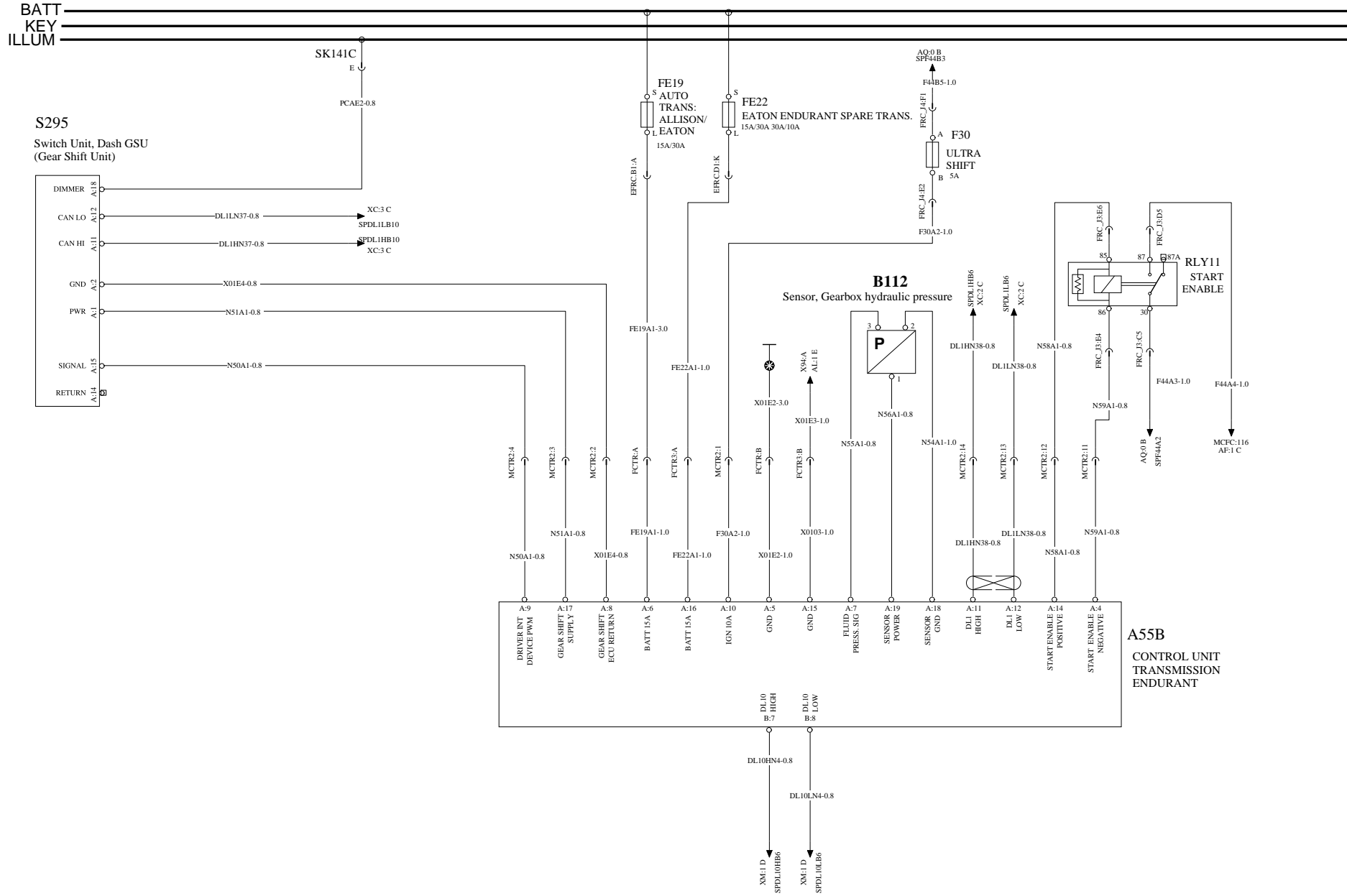
TRANSMISSION CONTROL EATON AUTOMATICS

WIRING DIAGRAM: DB



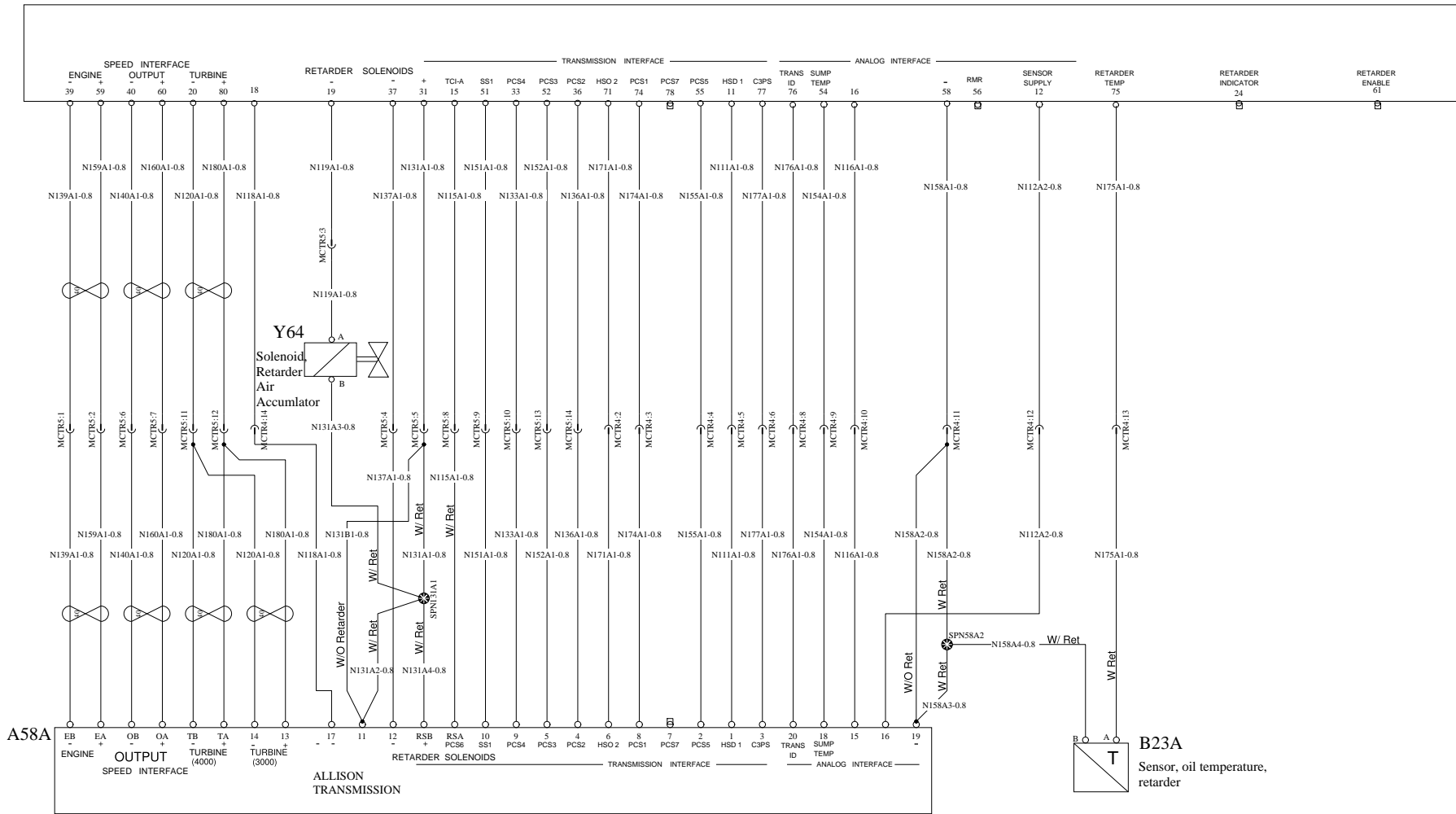
TRANSMISSION EATON ENDURANT

WIRING DIAGRAM: DC



ILLUM

SK141B
B

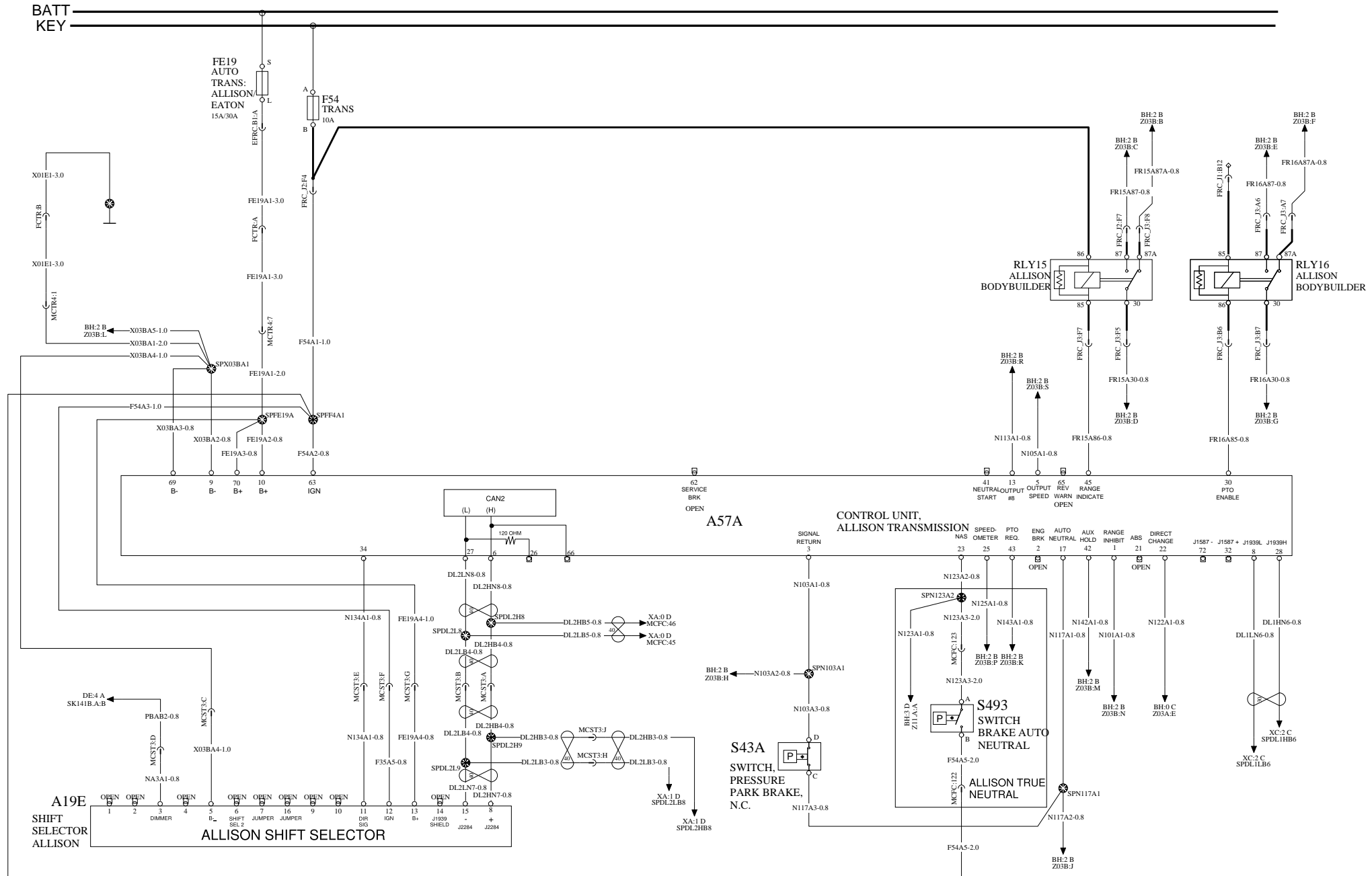


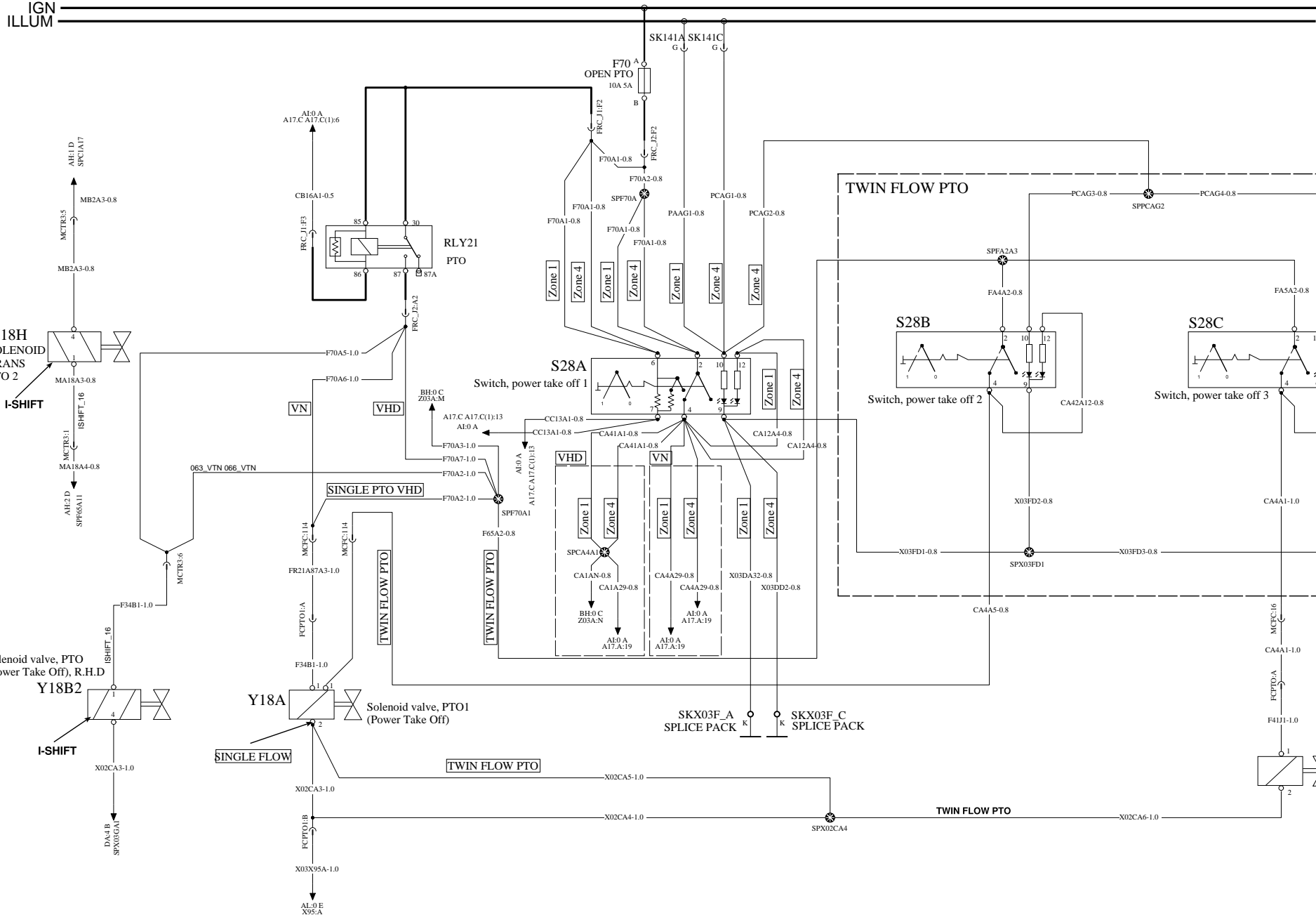
A58A

B23A

TRANSMISSION CONTROL ALLISON 1/2

WIRING DIAGRAM: DF

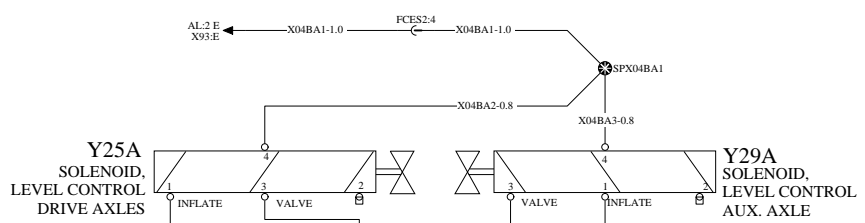
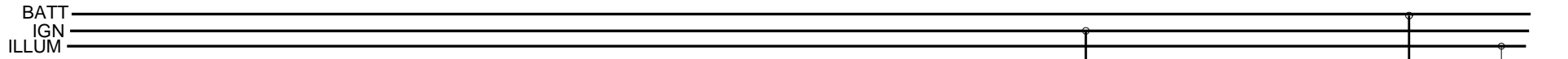




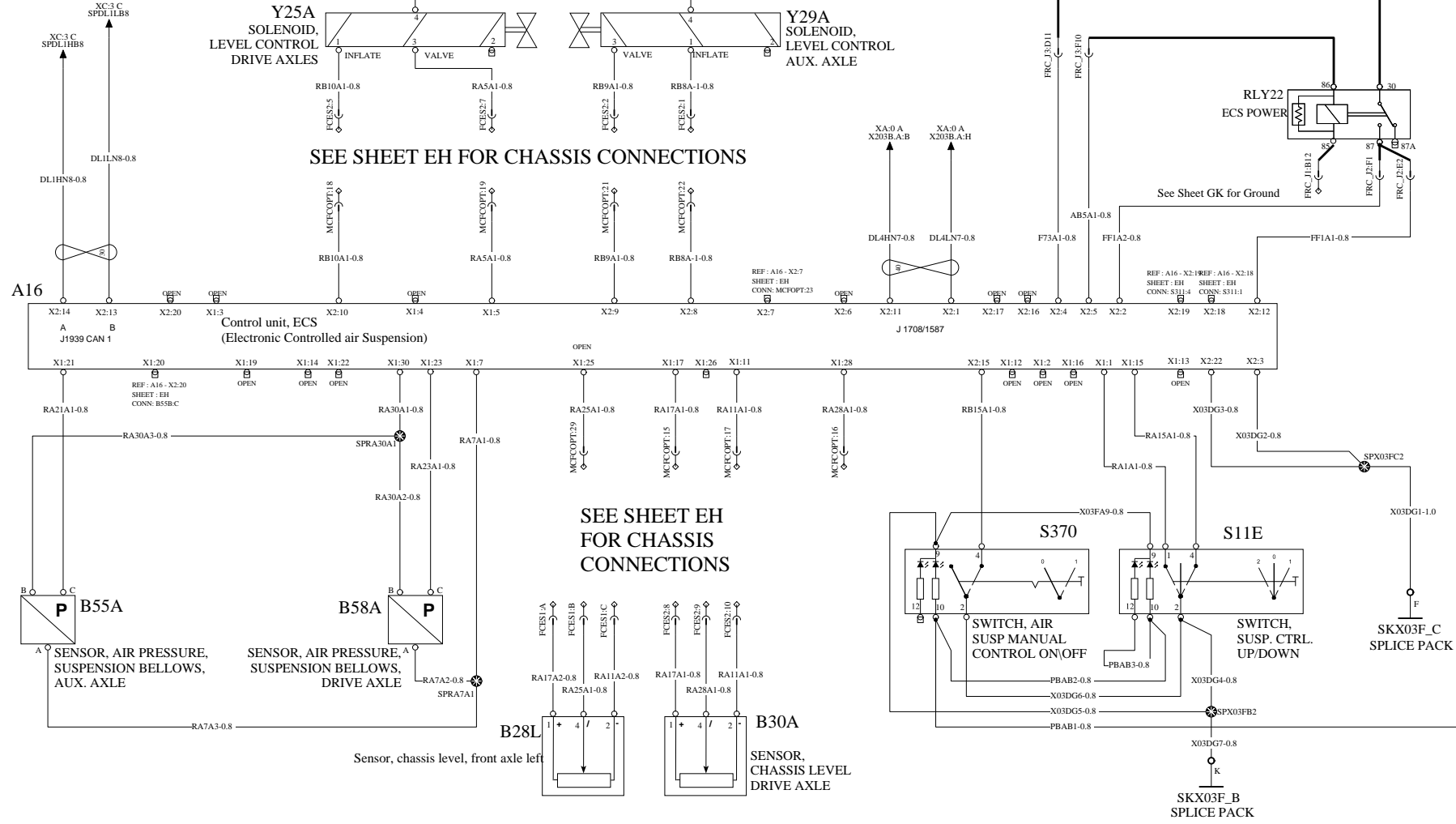
Document title WIRING DIAGRAM, 12V SCHEMATIC	Document No 23986311	Issue 03	Volume 1 (1)	Page 41 (113)
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SUSPENSION

WIRING DIAGRAM: EB



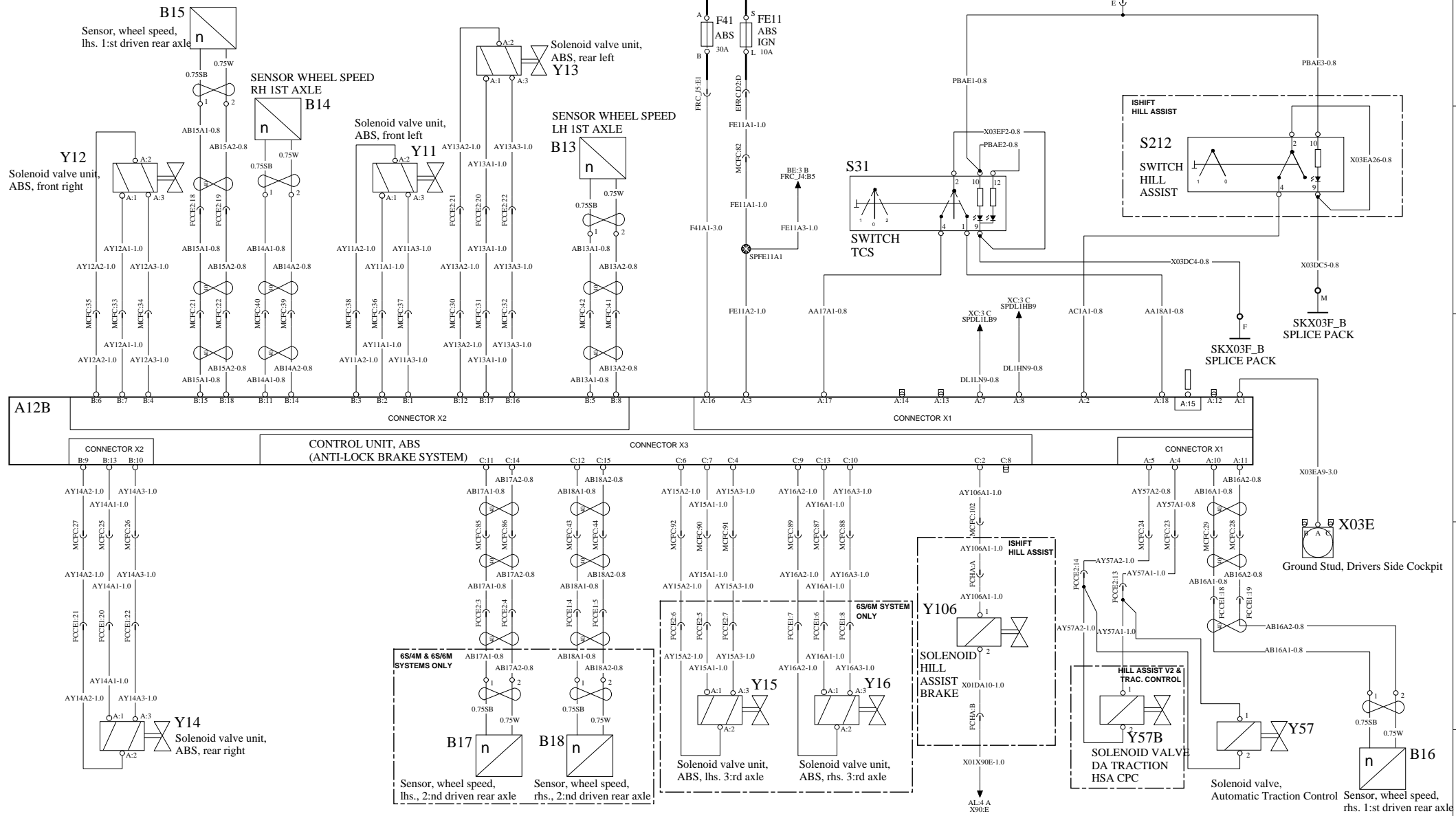
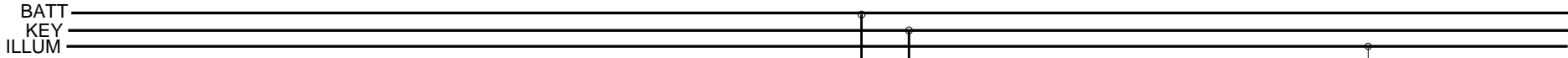
SEE SHEET EH FOR CHASSIS CONNECTIONS

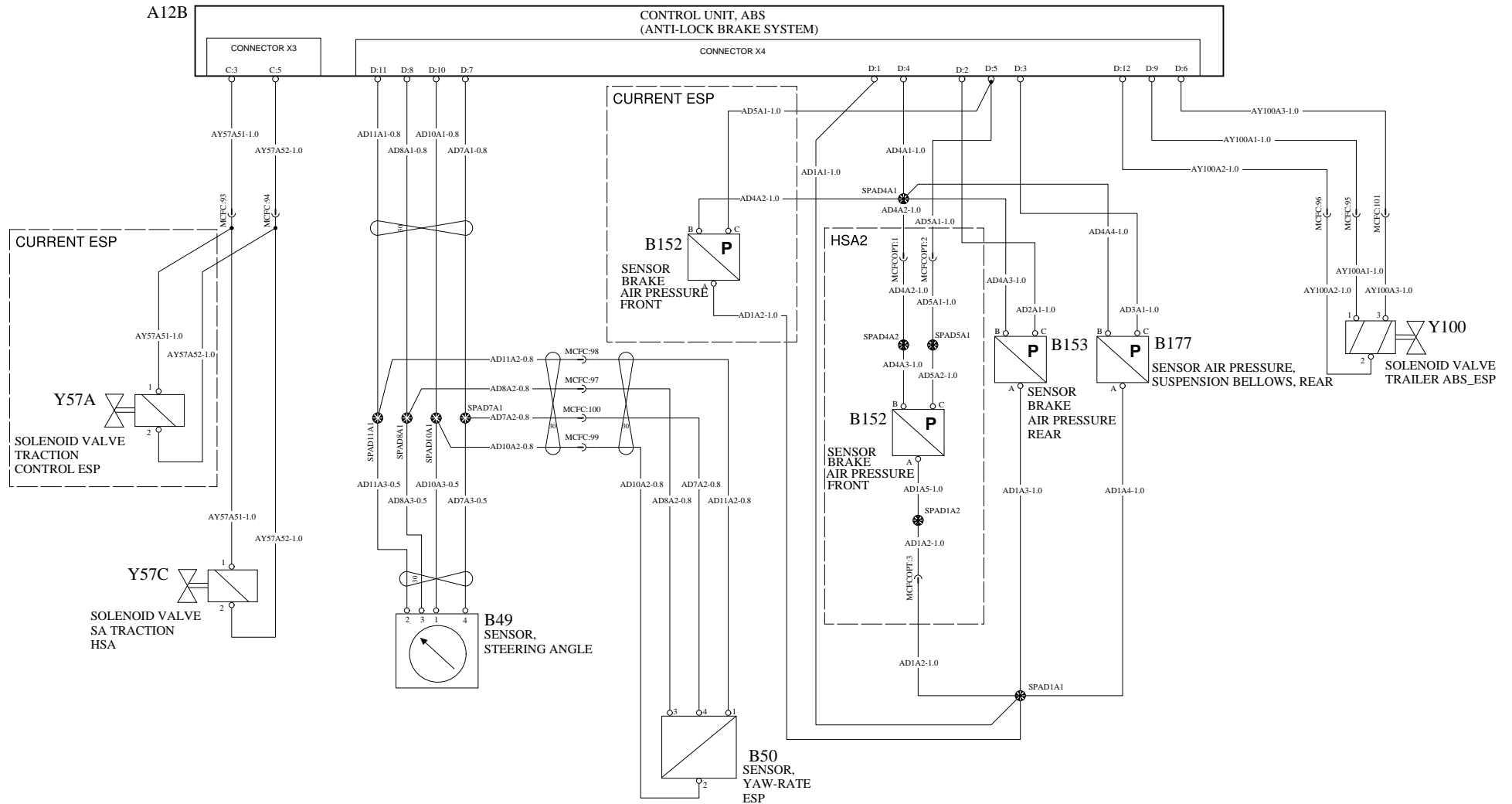


SEE SHEET EH FOR CHASSIS CONNECTIONS

ABS CONTROL BENDIX 1/2

WIRING DIAGRAM: EC

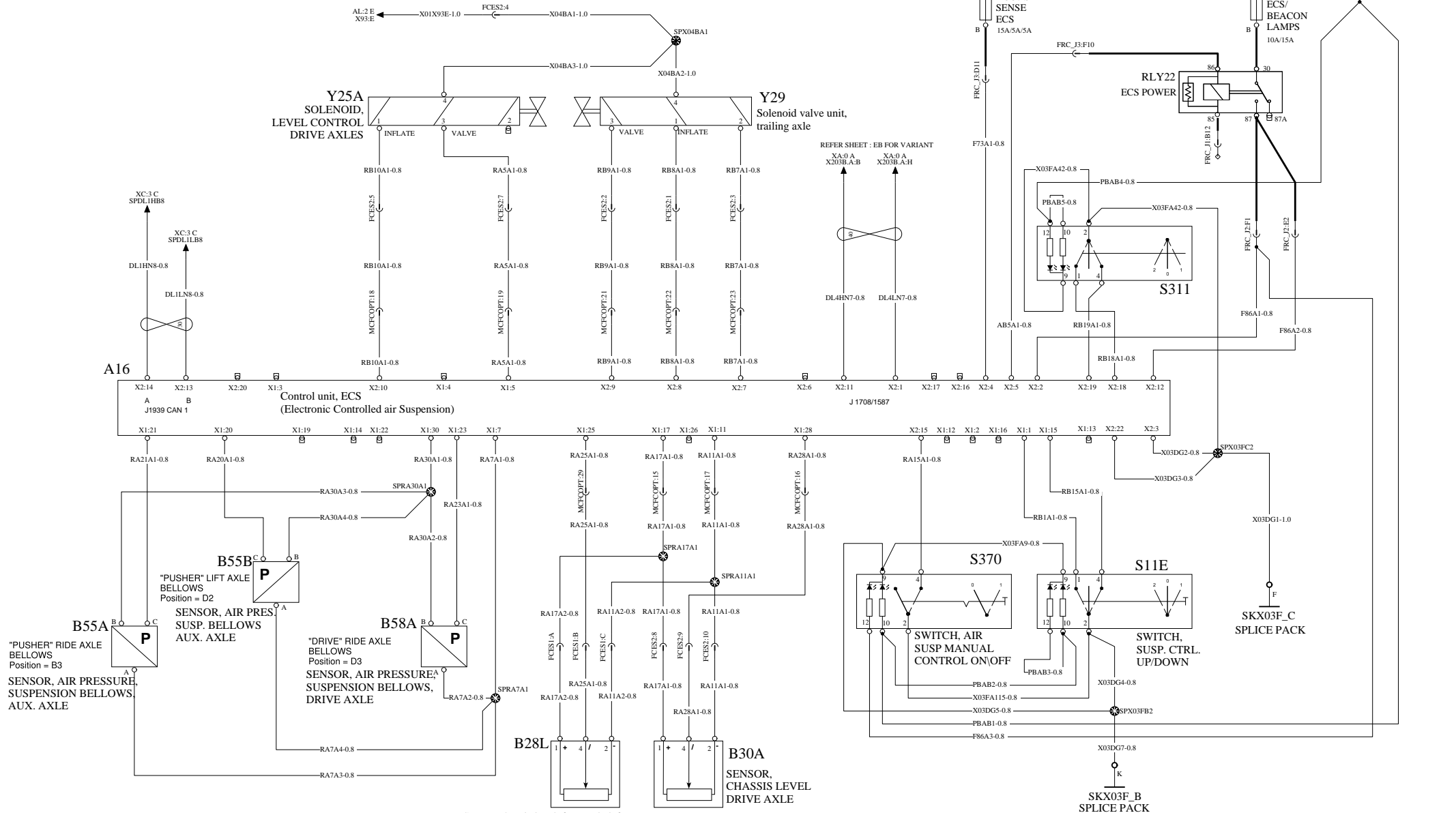




SUSPENSION LIFTABLE PUSHER

WIRING DIAGRAM: EH

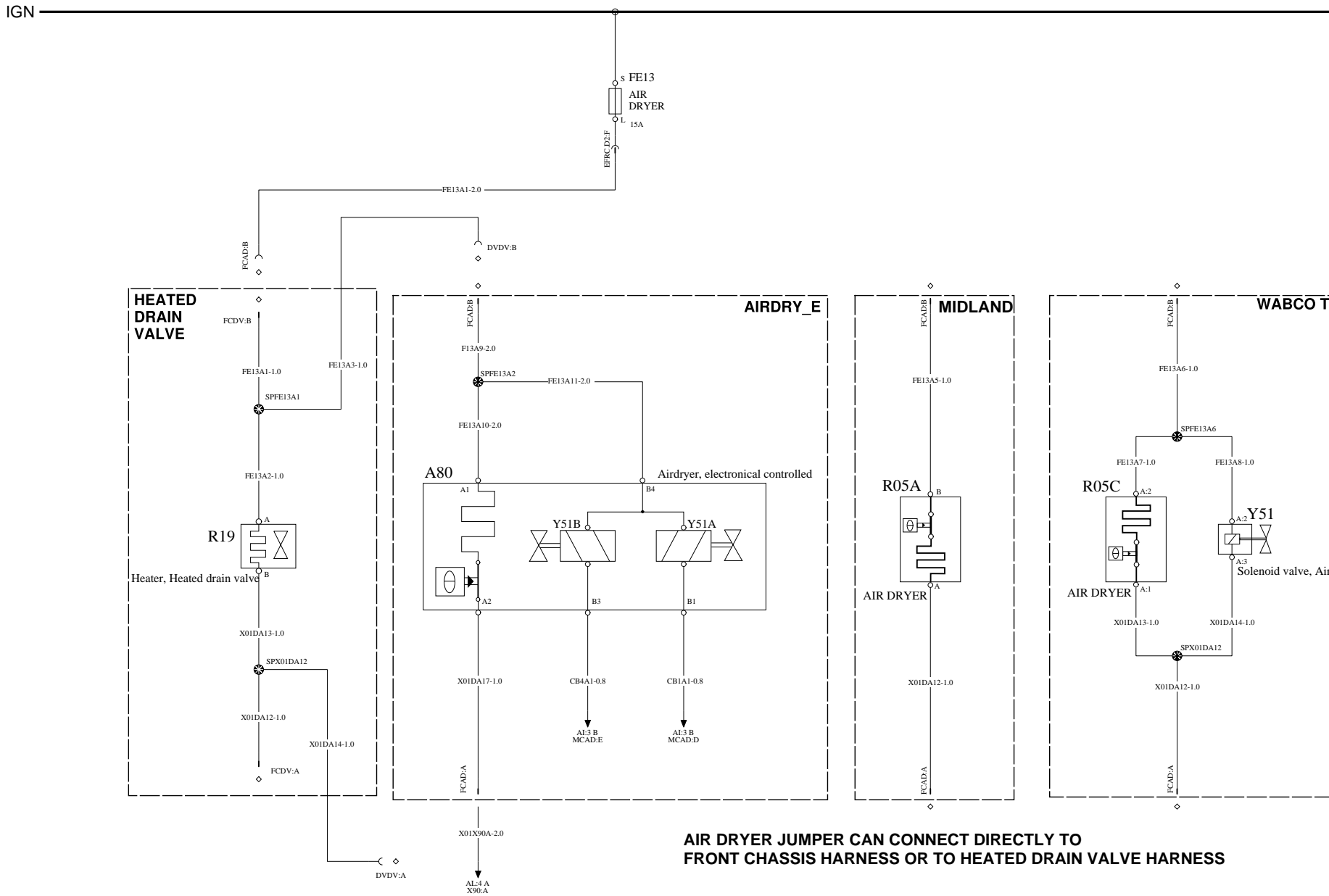
BATT
KEY
ILLUM



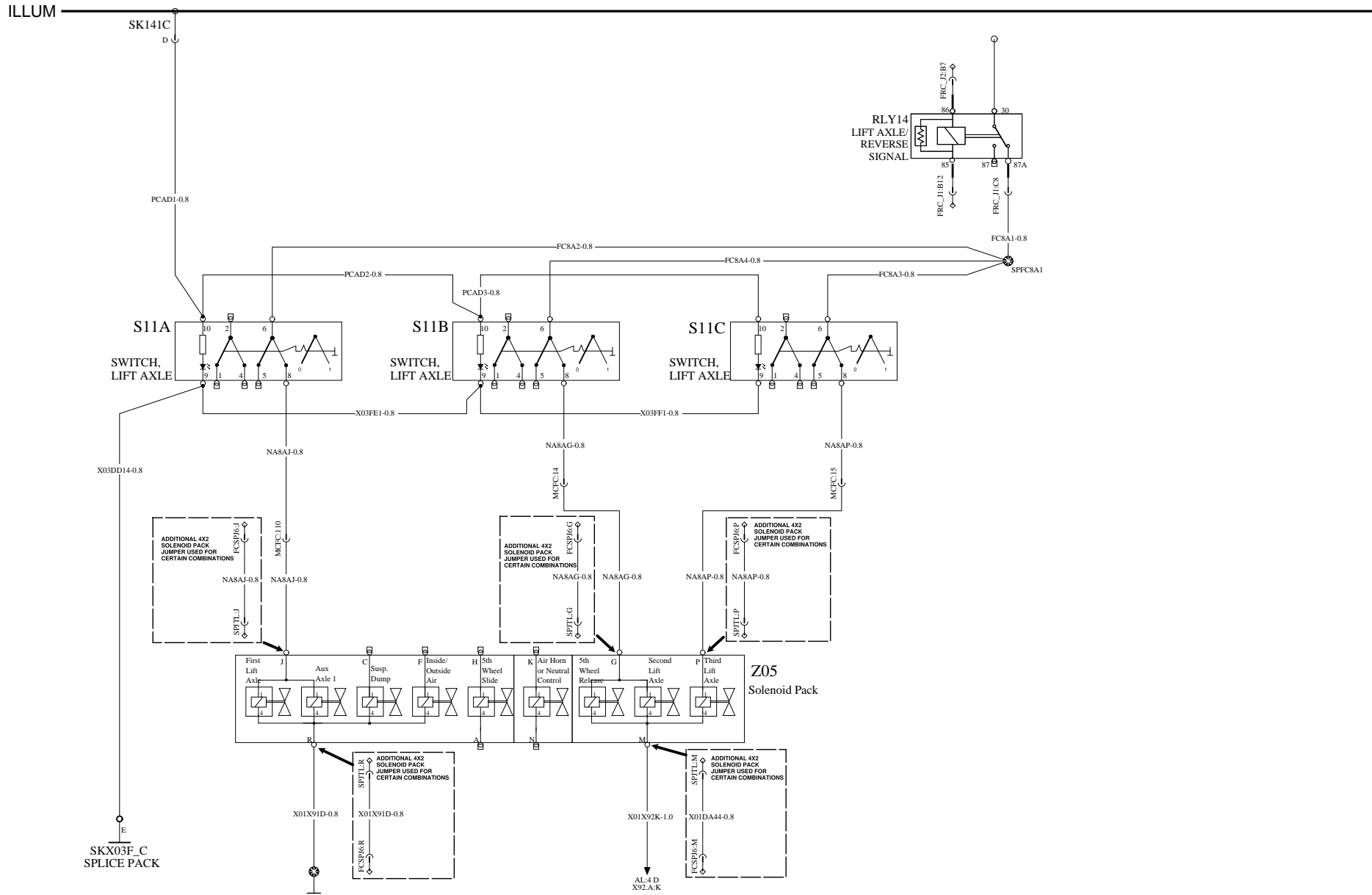
Volvo Truck Corporation	Document title WIRING DIAGRAM, 12V SCHEMATIC	Document No 23986311	Issue 03	Volume 1 (1)	Page 46 (113)
	Document type PRODUCT SCHEMATIC				

AIR DRYER/HEATED DRAIN VALVE

WIRING DIAGRAM: FA



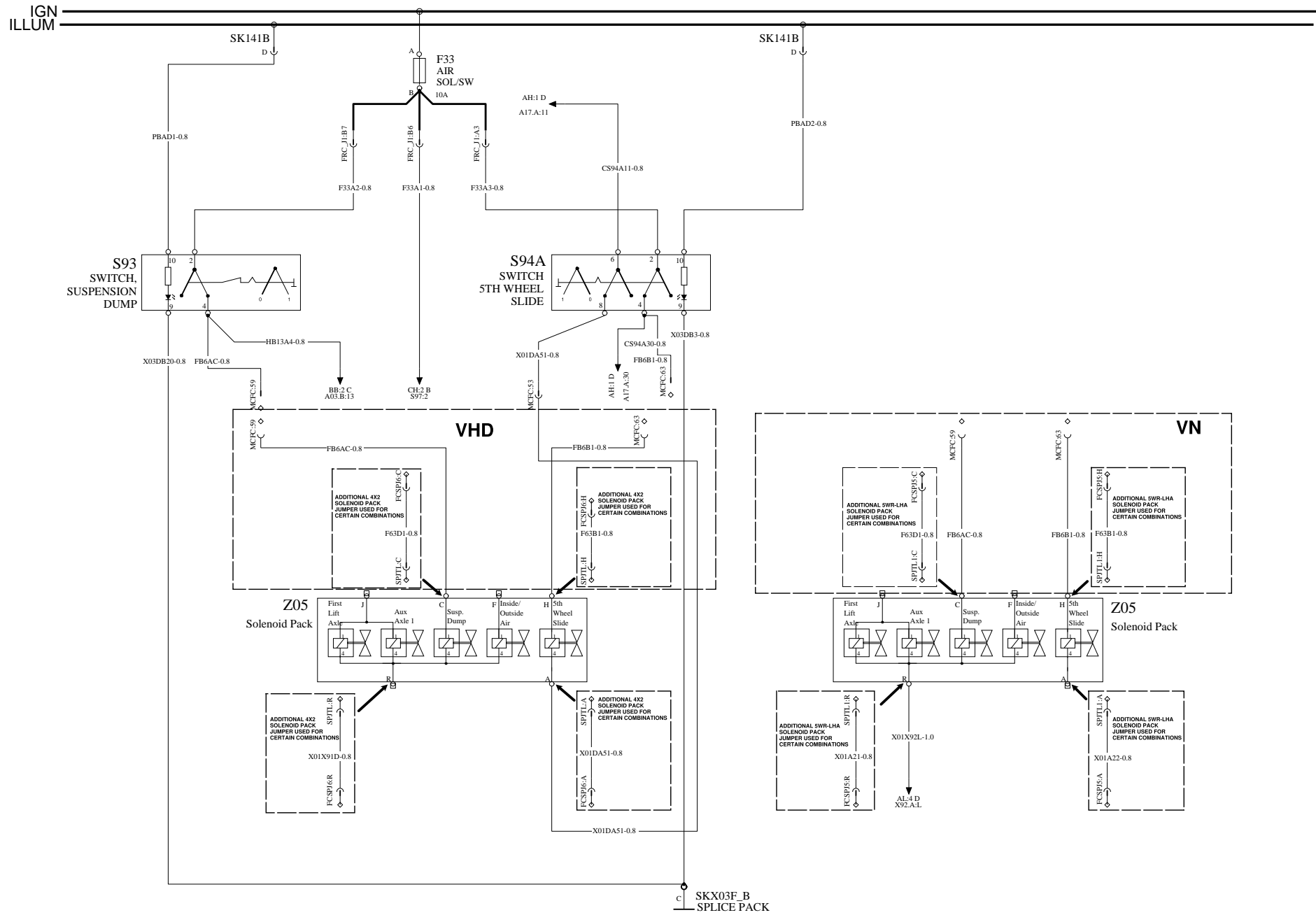
AIR DRYER JUMPER CAN CONNECT DIRECTLY TO FRONT CHASSIS HARNESS OR TO HEATED DRAIN VALVE HARNESS



Volvo Truck Corporation		Document title WIRING DIAGRAM, 12V SCHEMATIC	Document No 23986311	Issue 03	Volume 1 (1)	Page 48 (113)
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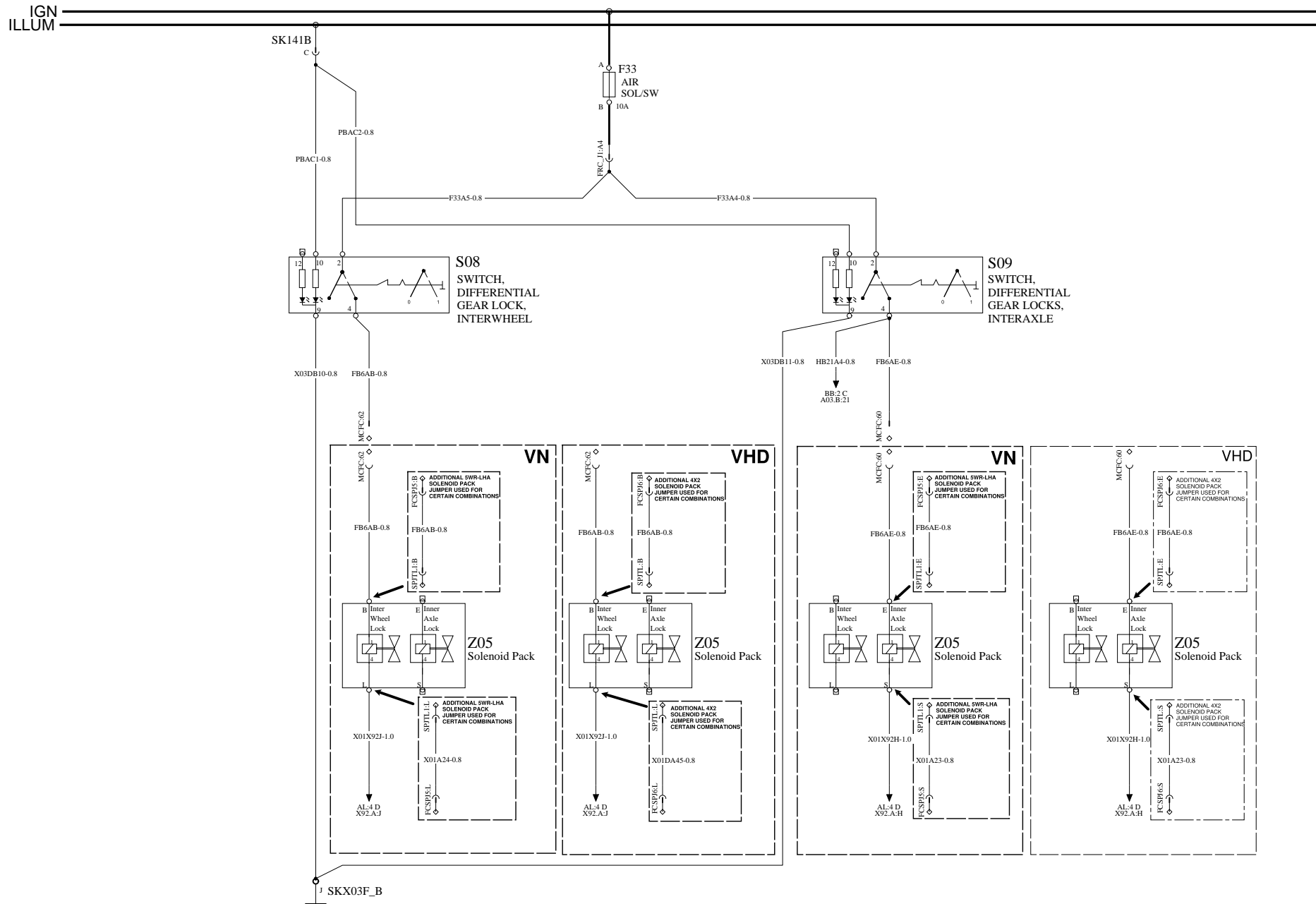
SUSPENSION DUMP, 5TH WHEEL SLIDE

WIRING DIAGRAM: FC

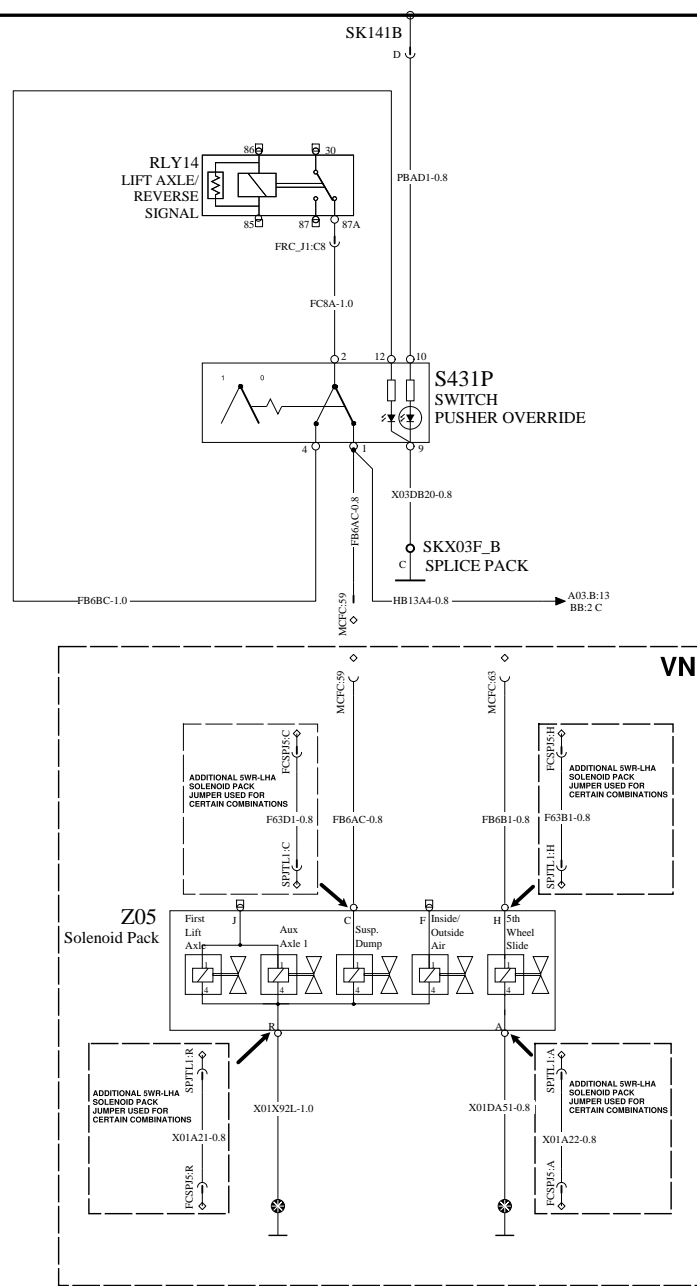


DIFFERENTIAL LOCK VN/VHD

WIRING DIAGRAM: FD



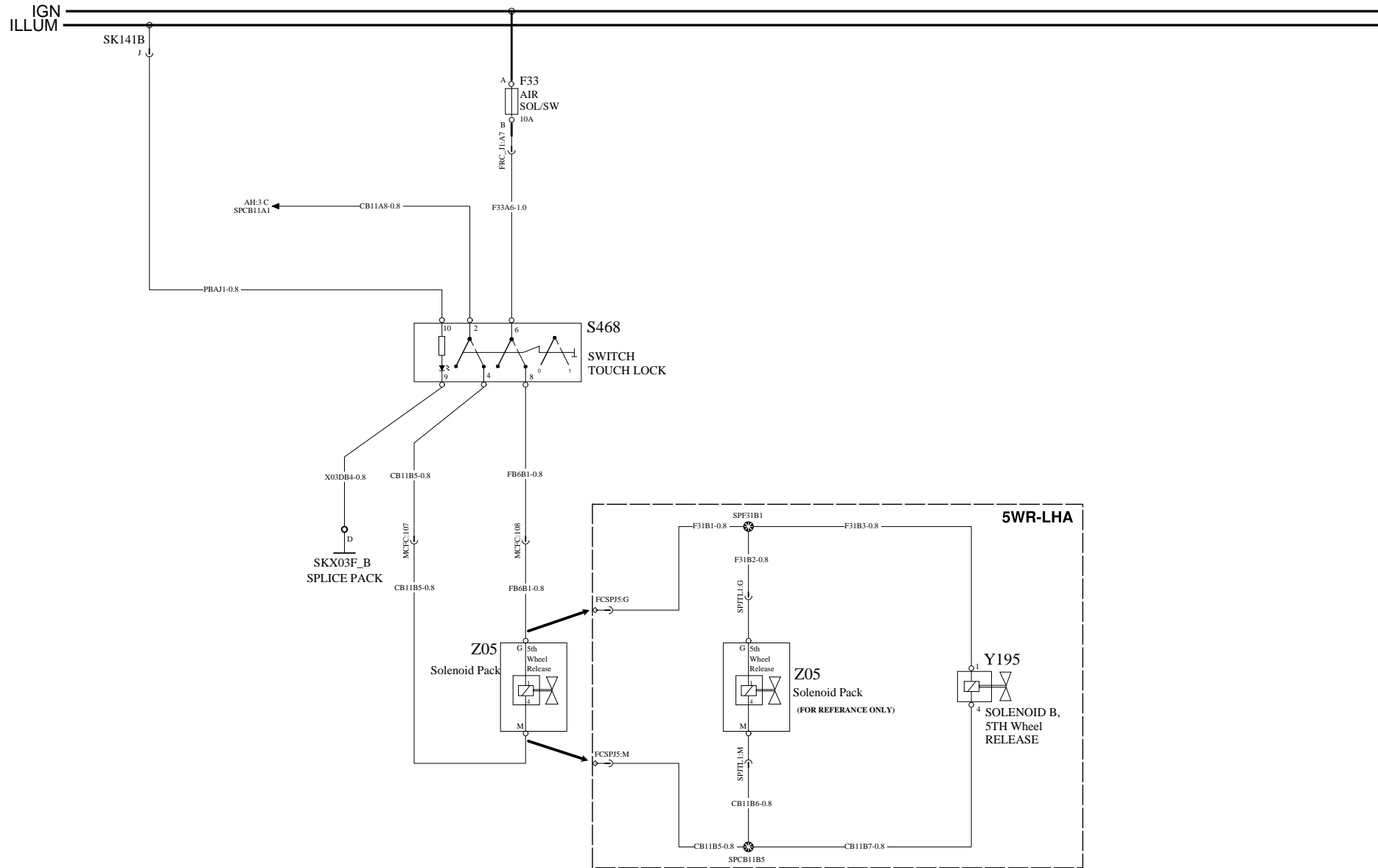
ILLUM



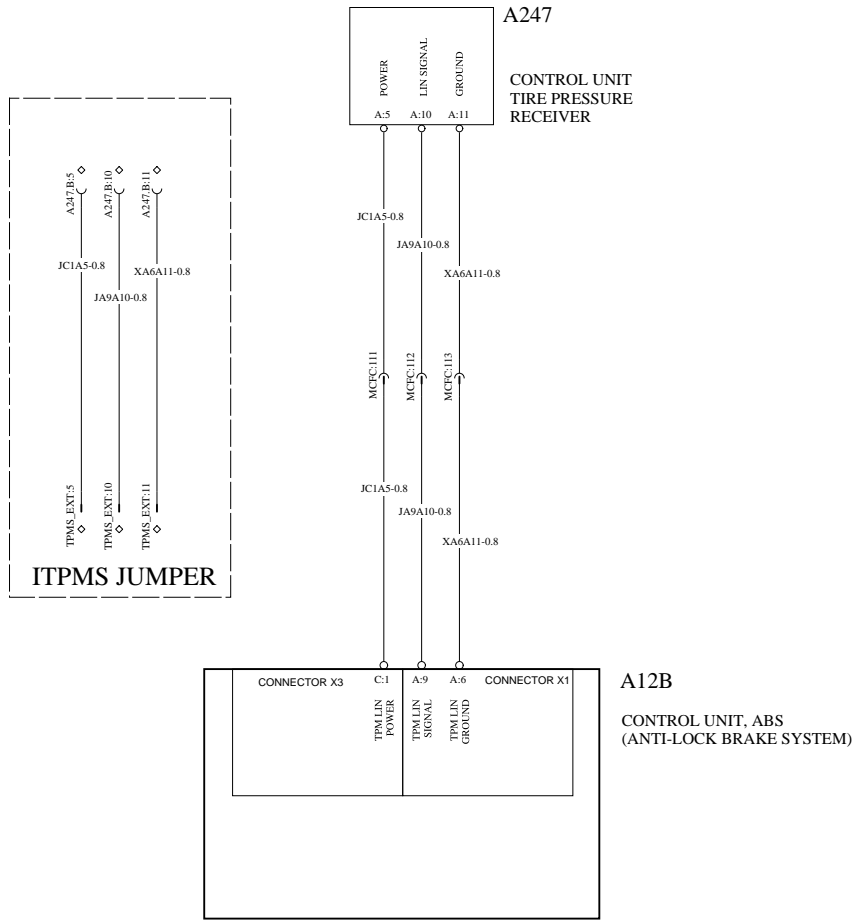
Volvo Truck Corporation	Document title WIRING DIAGRAM, 12V SCHEMATIC	Document No 23986311	Issue 03	Volume 1 (1)	Page 51 (113)
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5TH WHEEL LOCK

WIRING DIAGRAM: FF

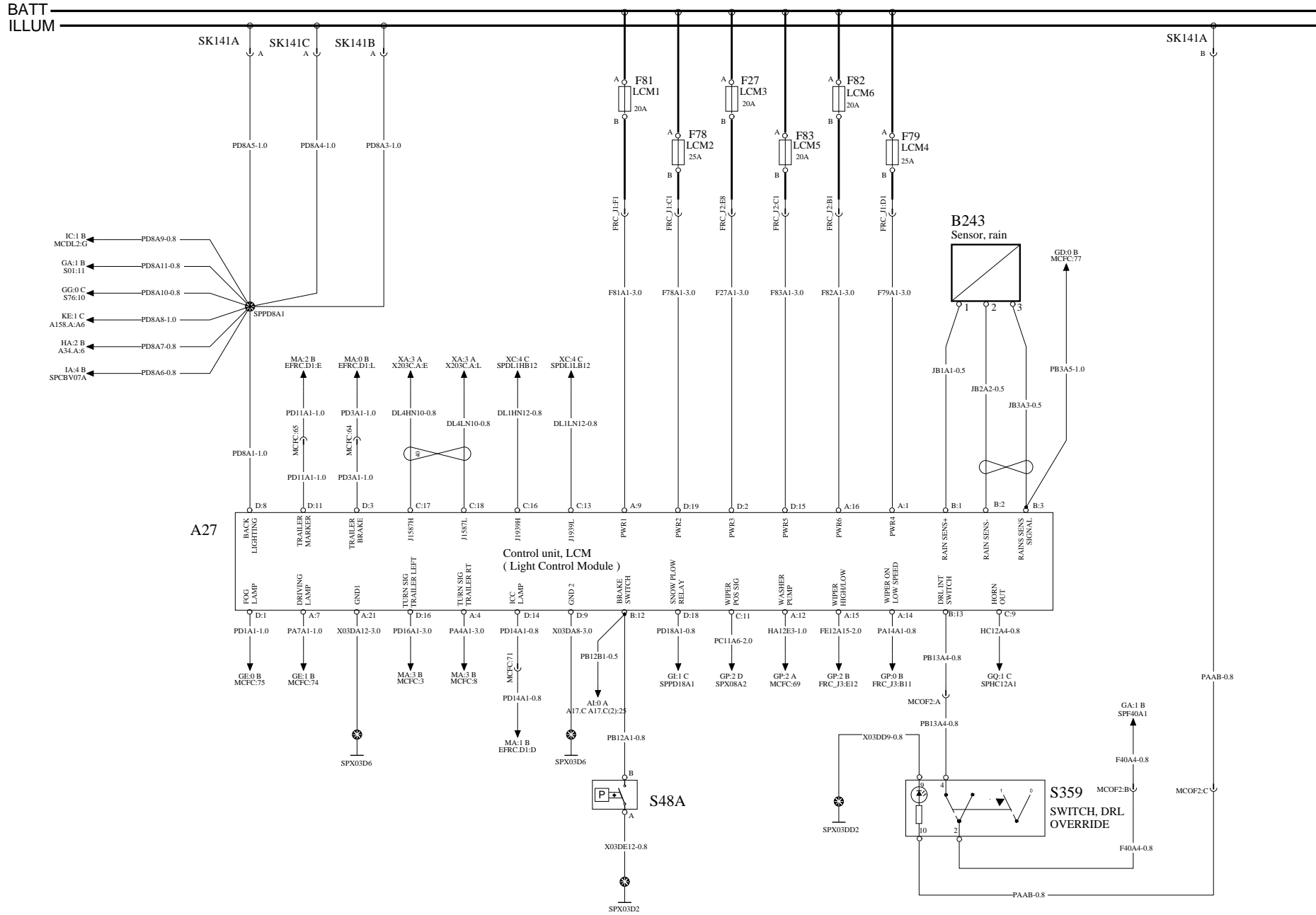


IGN _____



LIGHTING CONTROL 2/2

WIRING DIAGRAM: GB

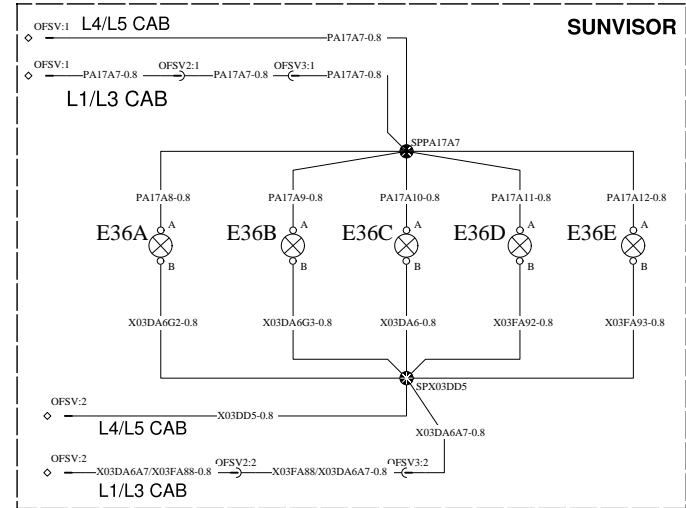
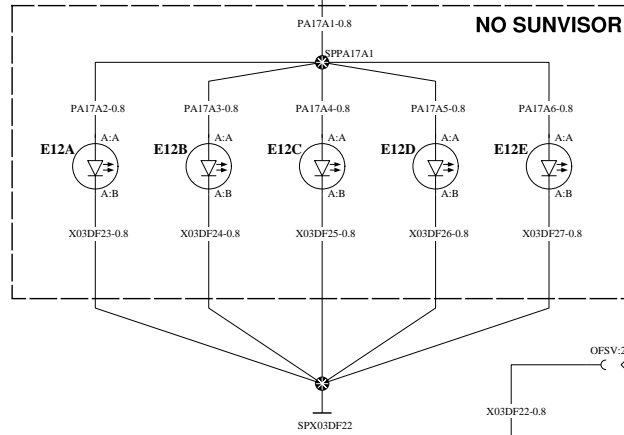
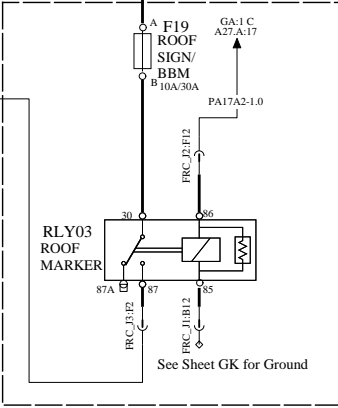
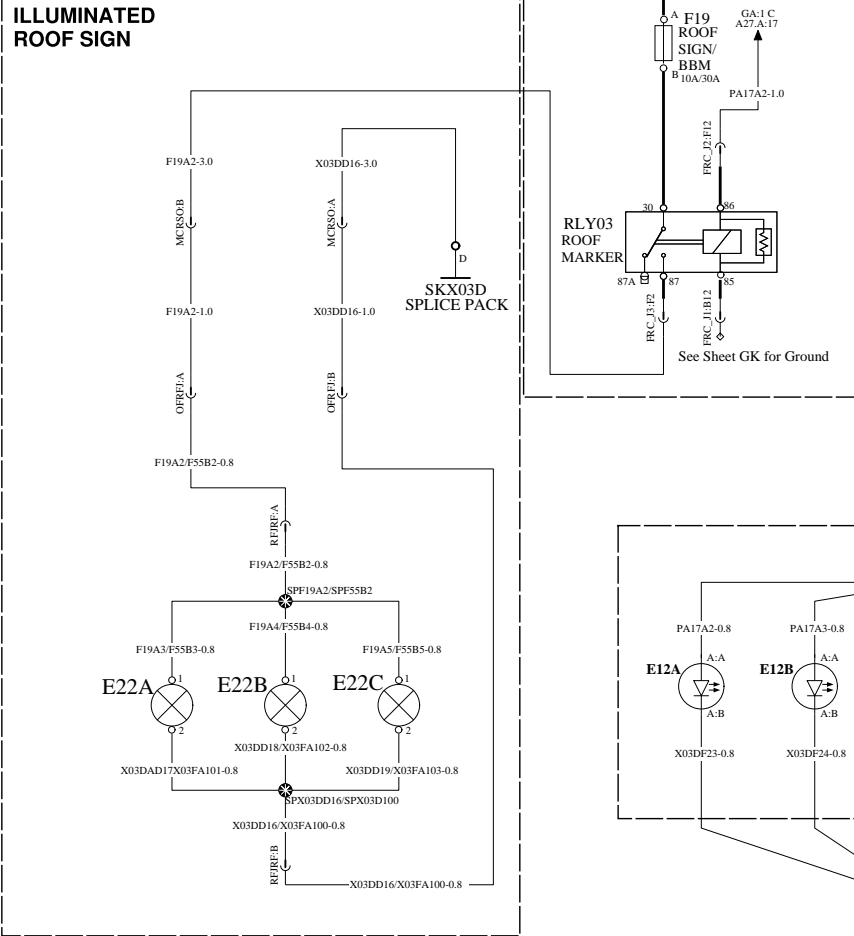


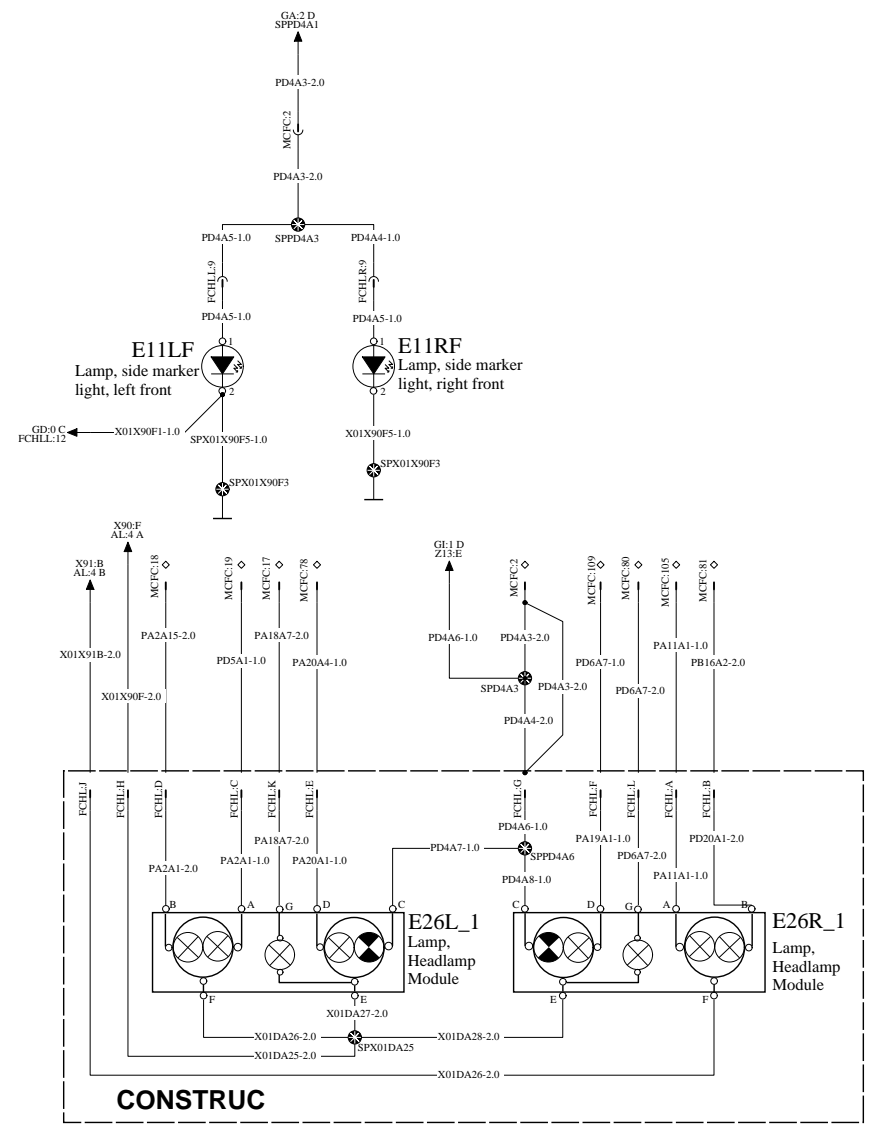
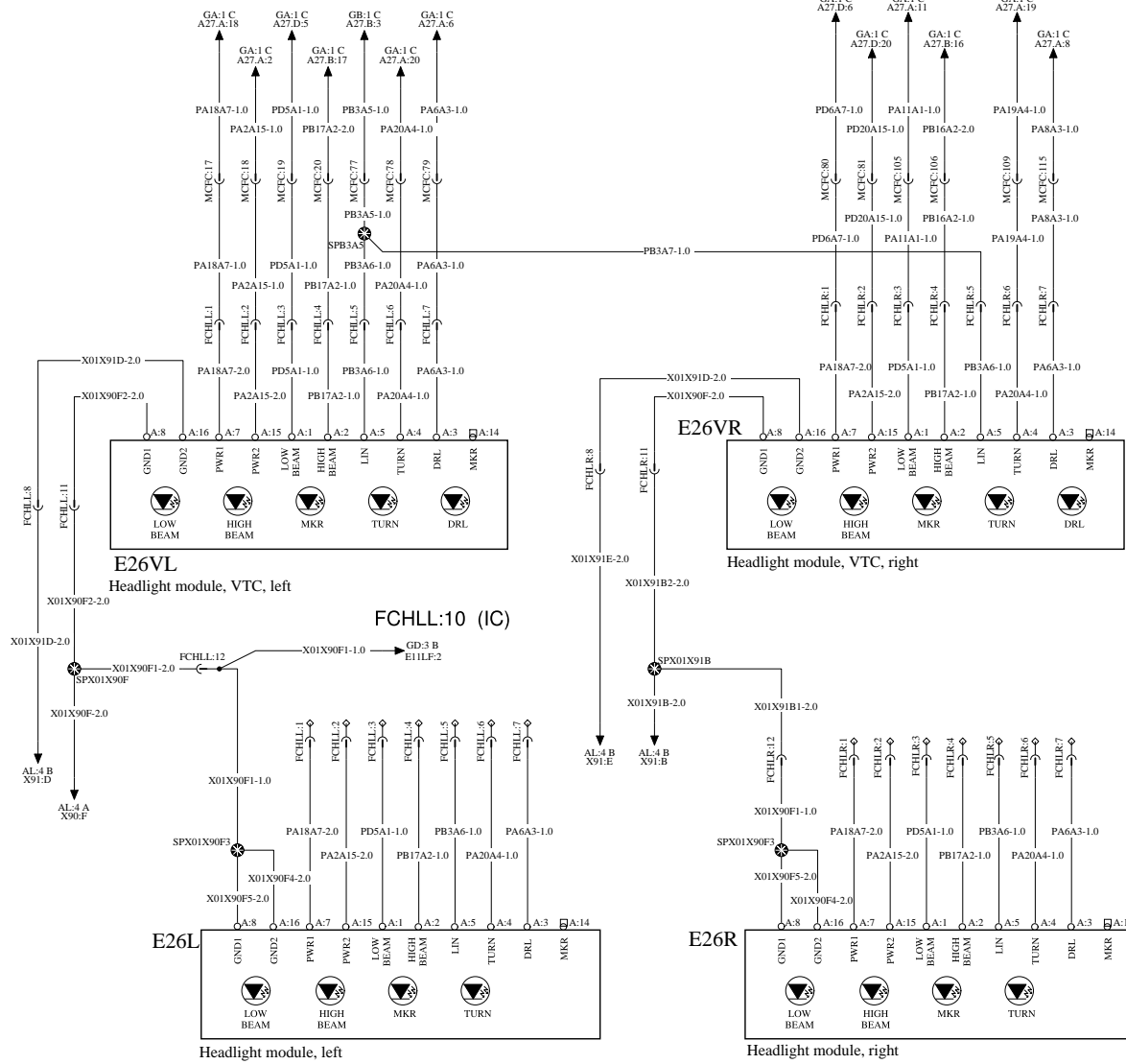
MARKER LAMPS

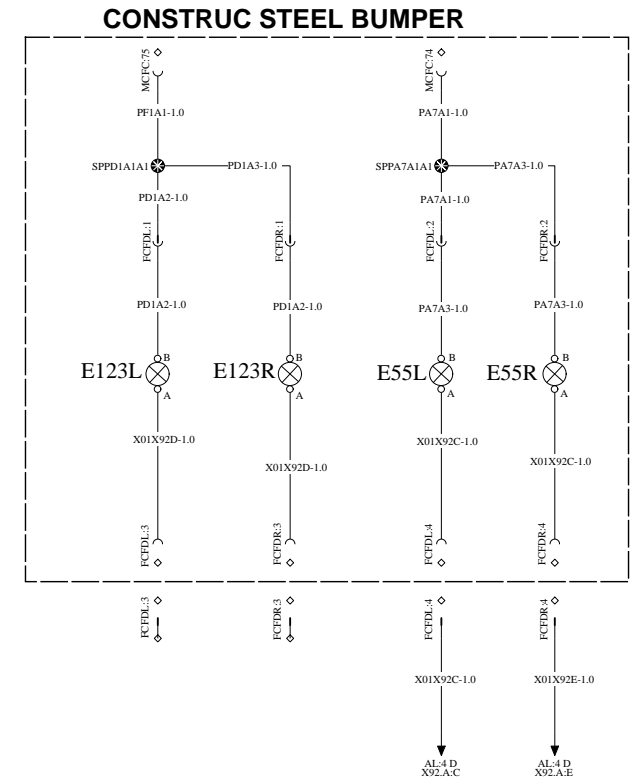
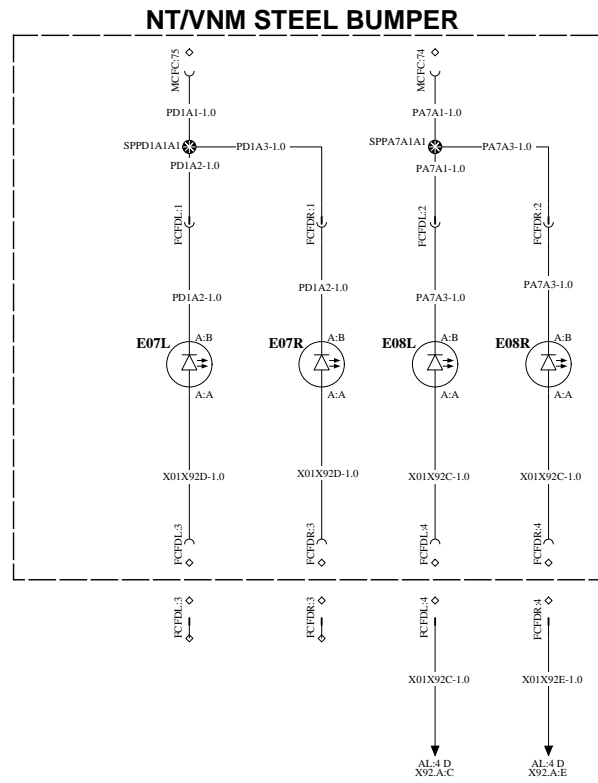
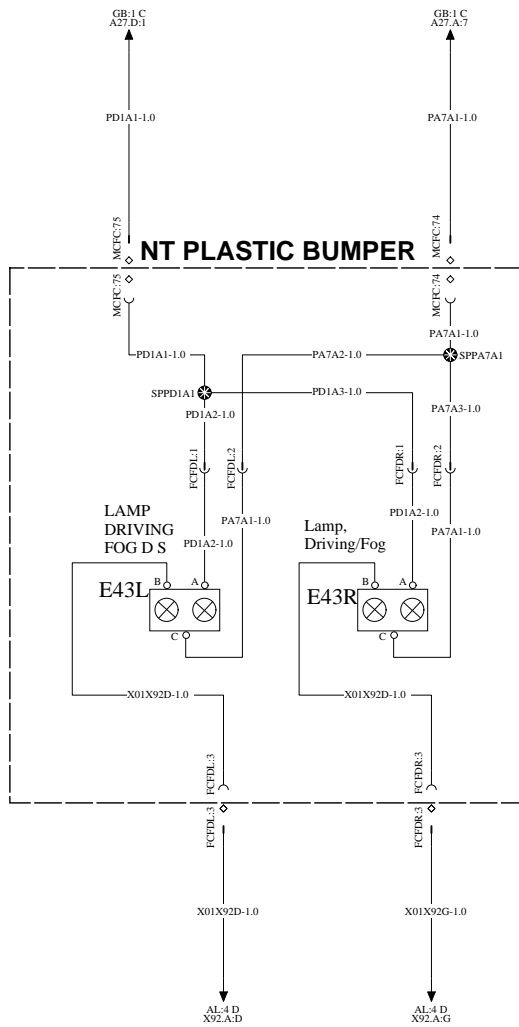
WIRING DIAGRAM: GC

BATT

ILLUMINATED ROOF SIGN

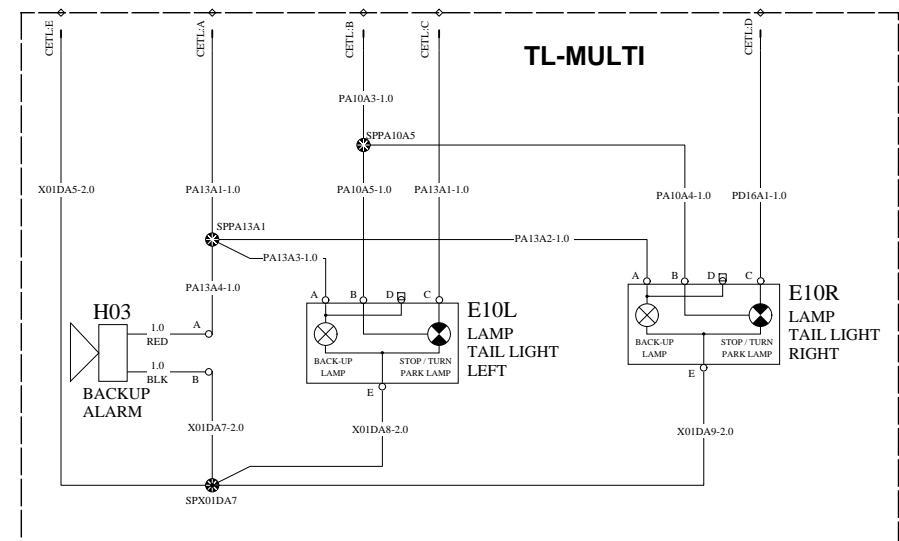
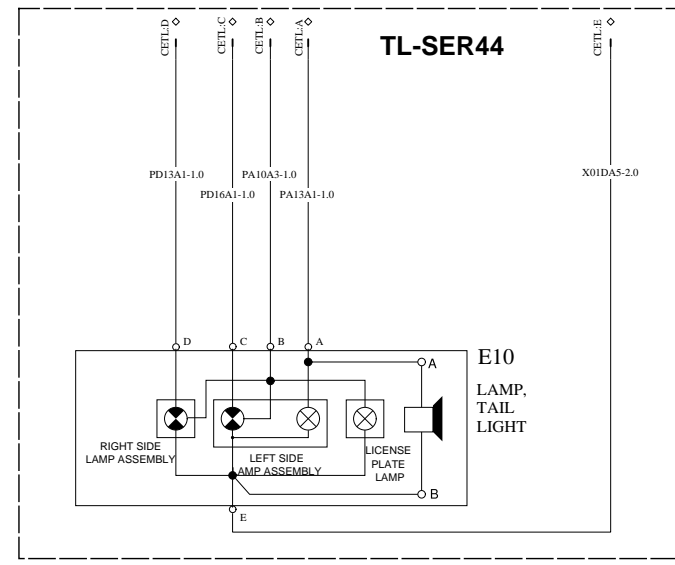
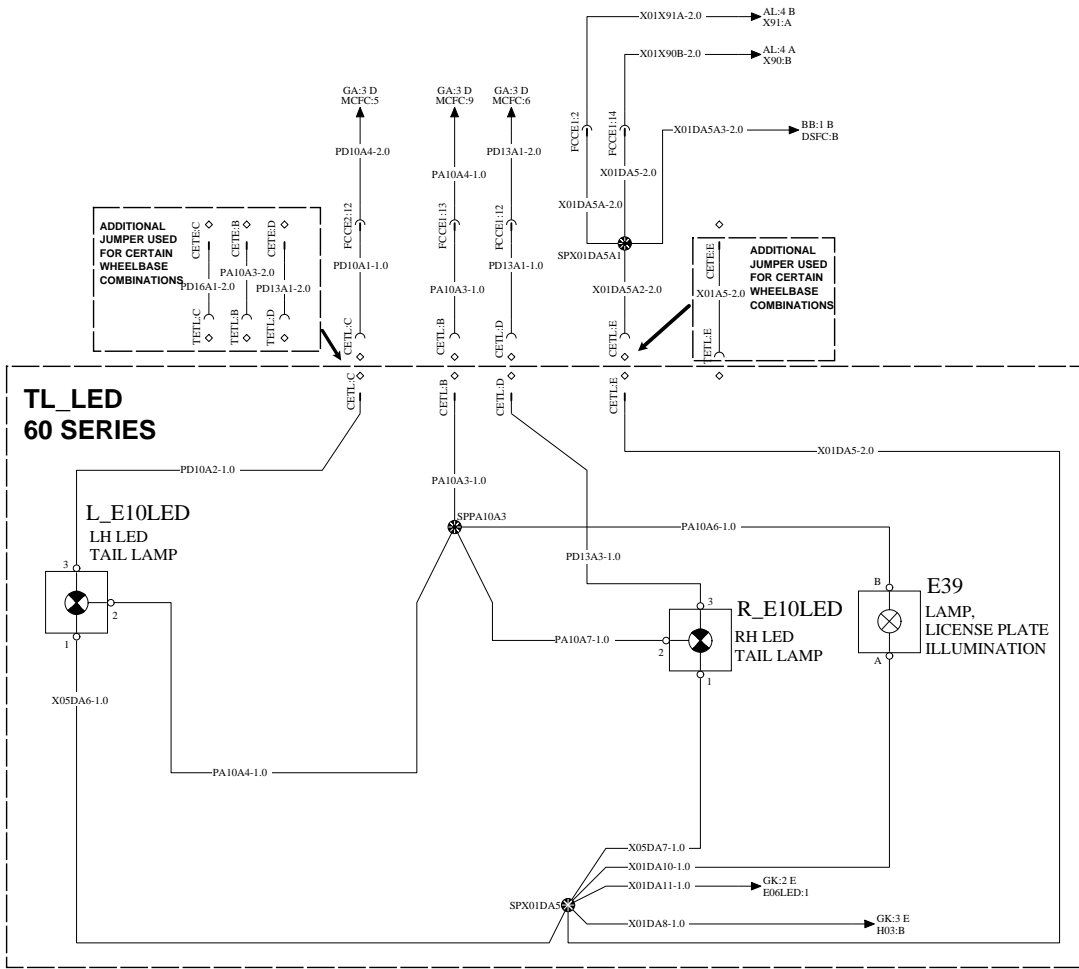






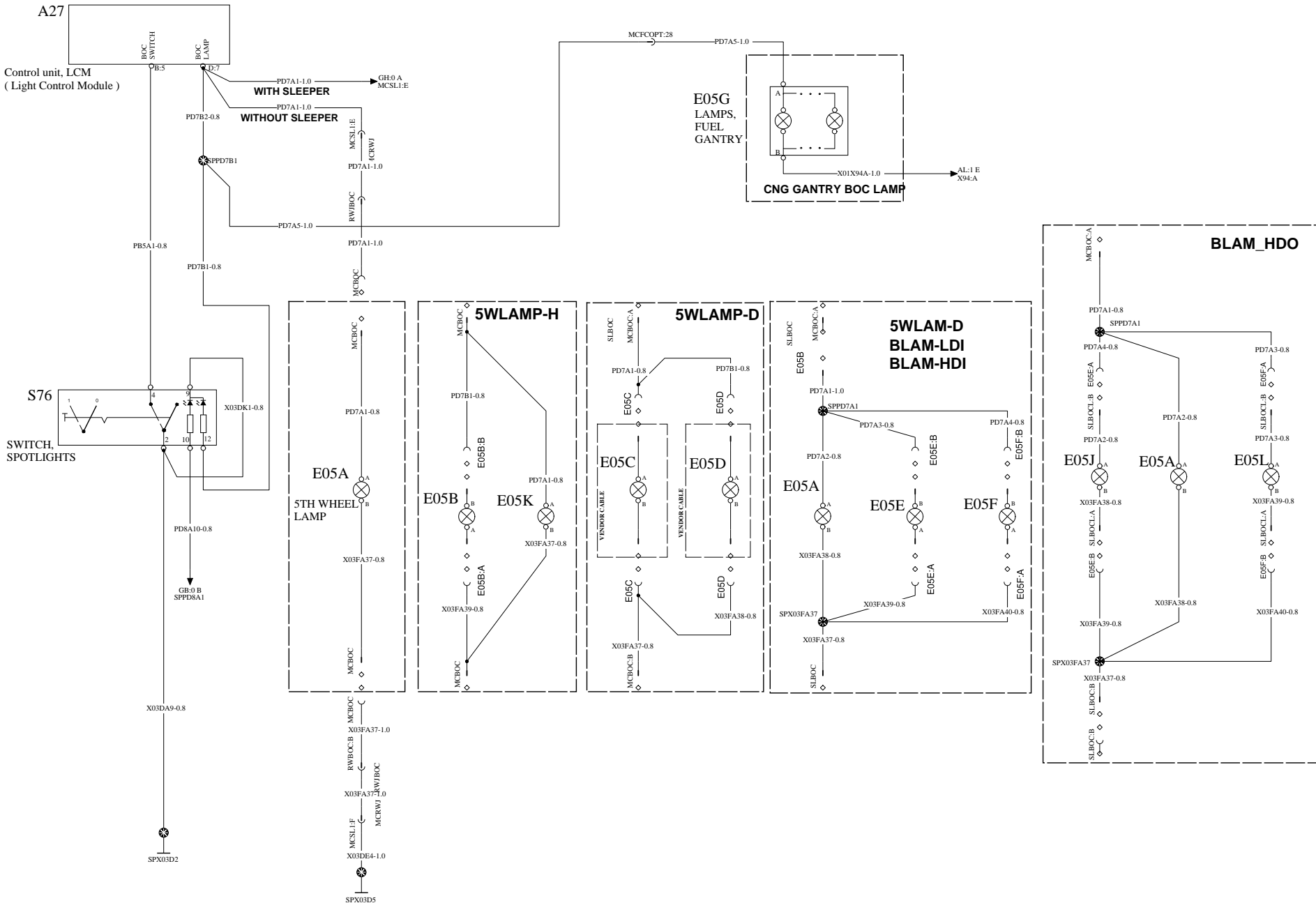
TAIL LAMPS W/ALARM

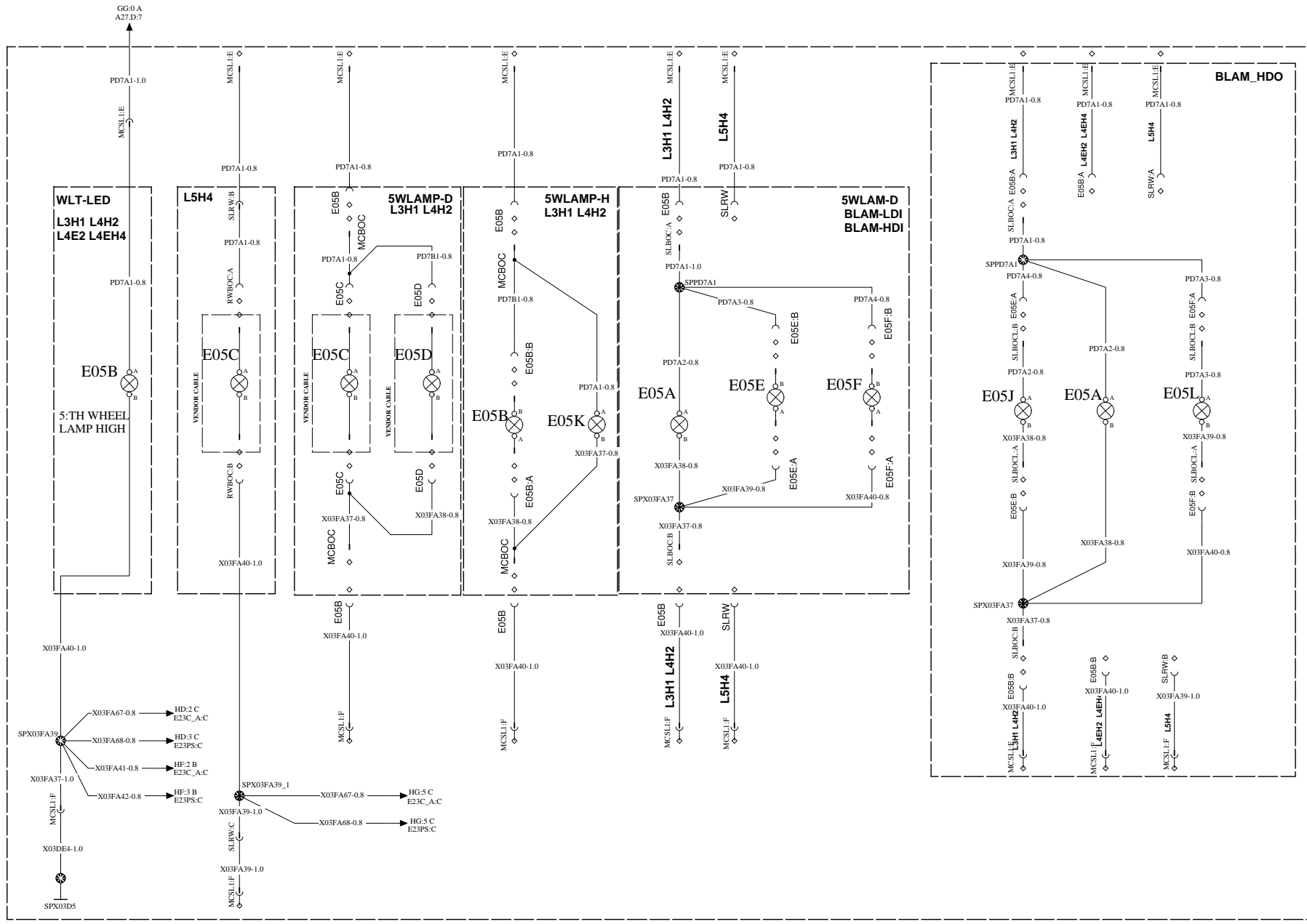
WIRING DIAGRAM: GF



BACK OF CAB LAMPS L1

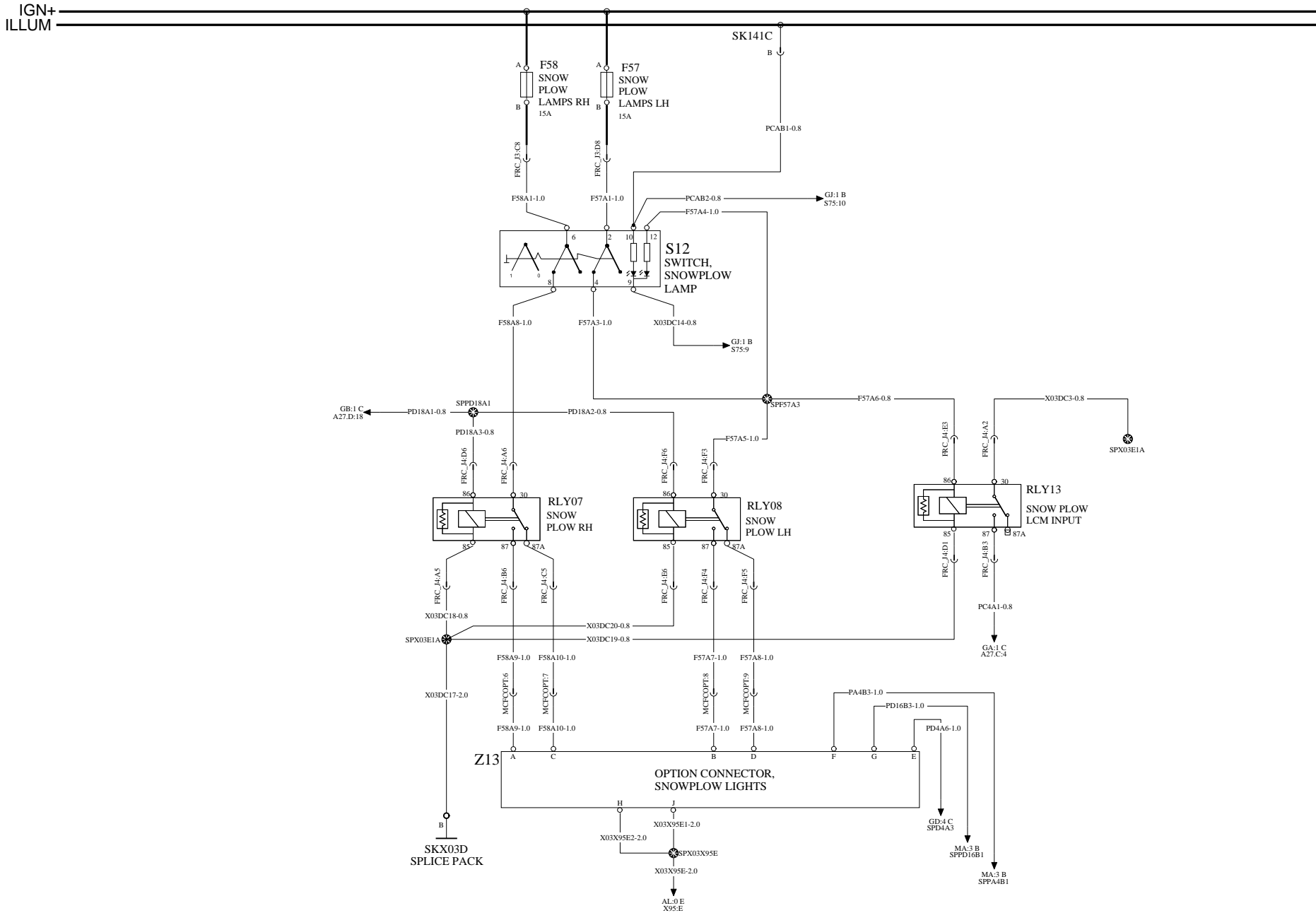
WIRING DIAGRAM: GG





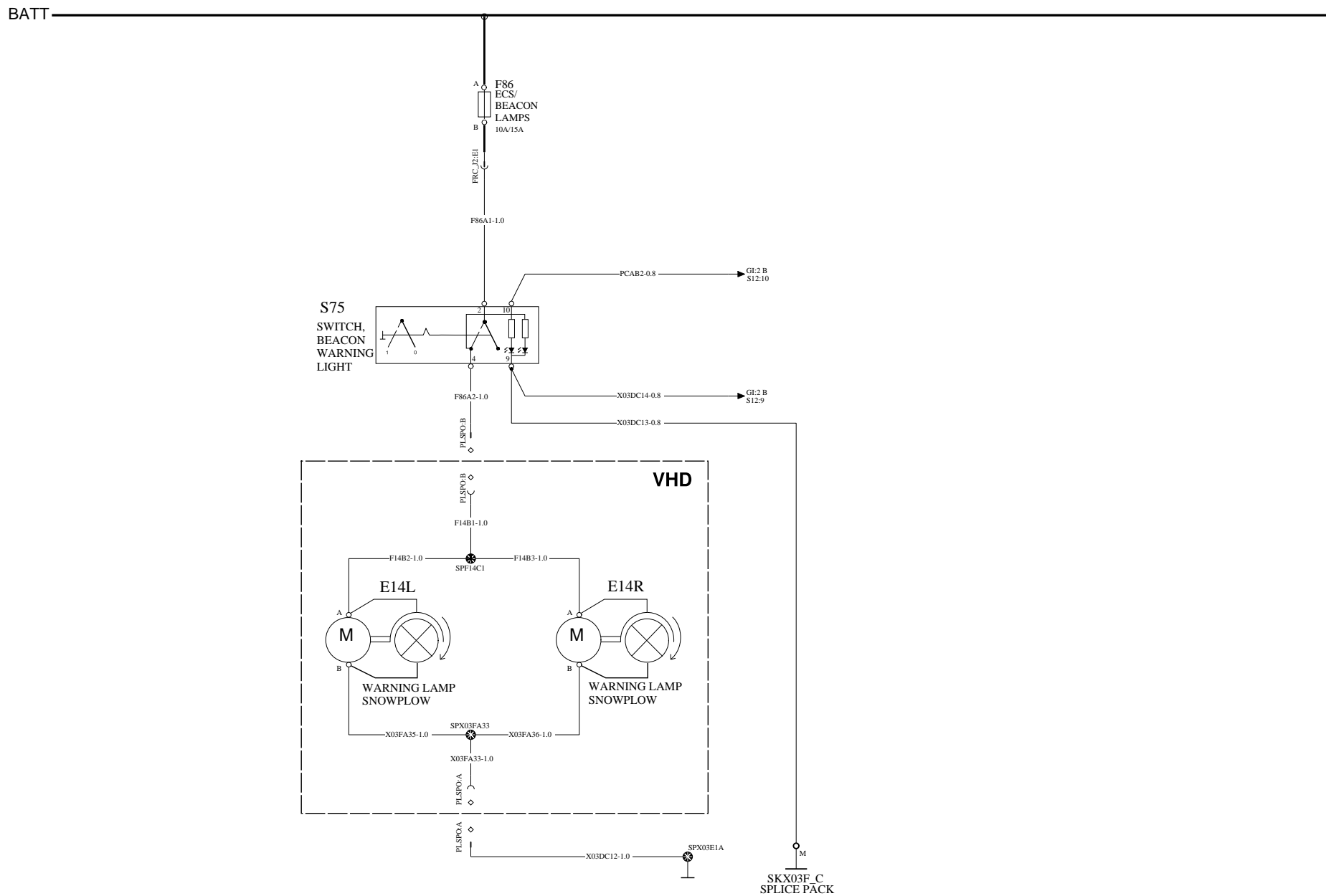
SNOW PLOW AND BEACON LAMPS

WIRING DIAGRAM: GI



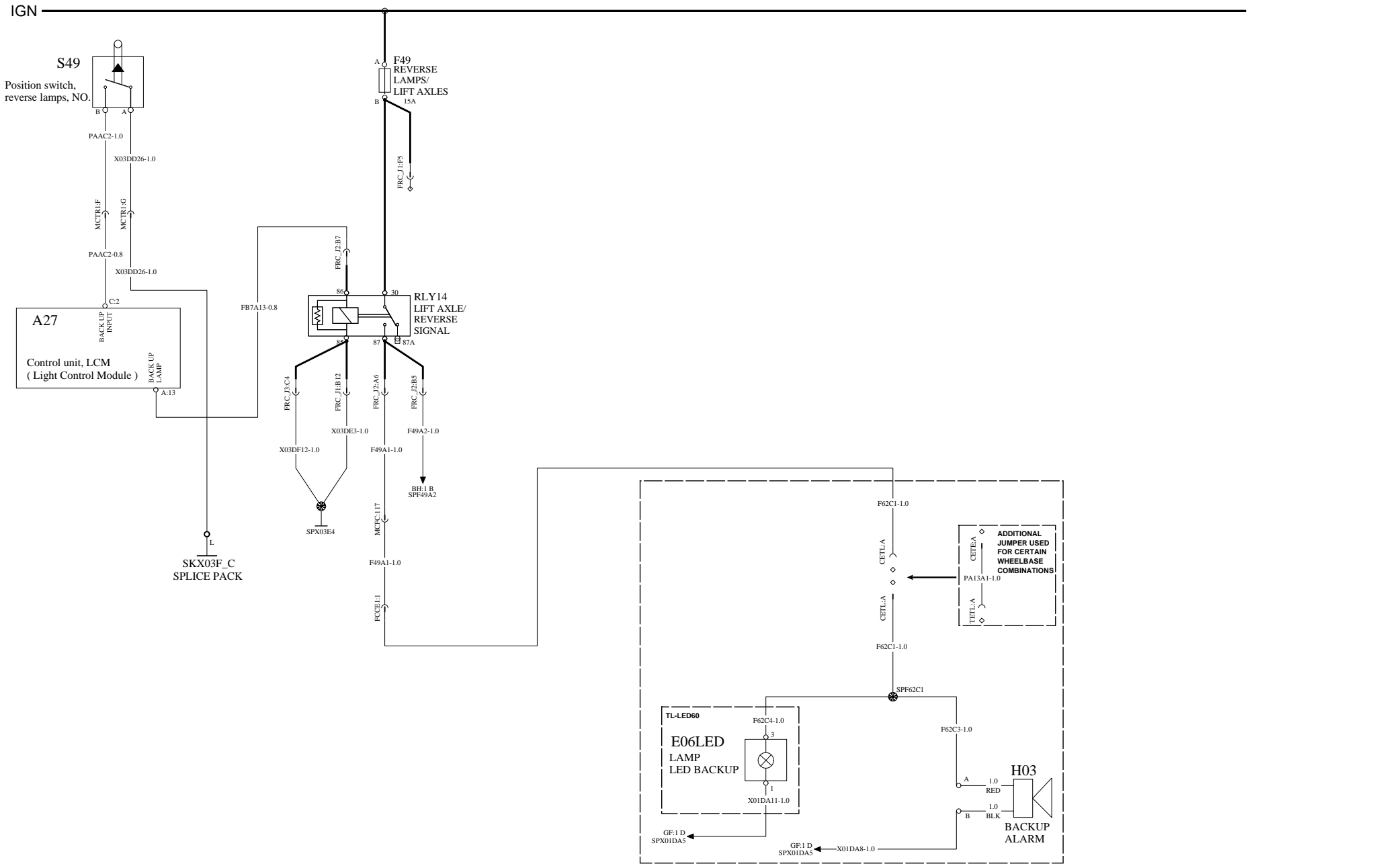
BEACON LAMPS

WIRING DIAGRAM: GJ



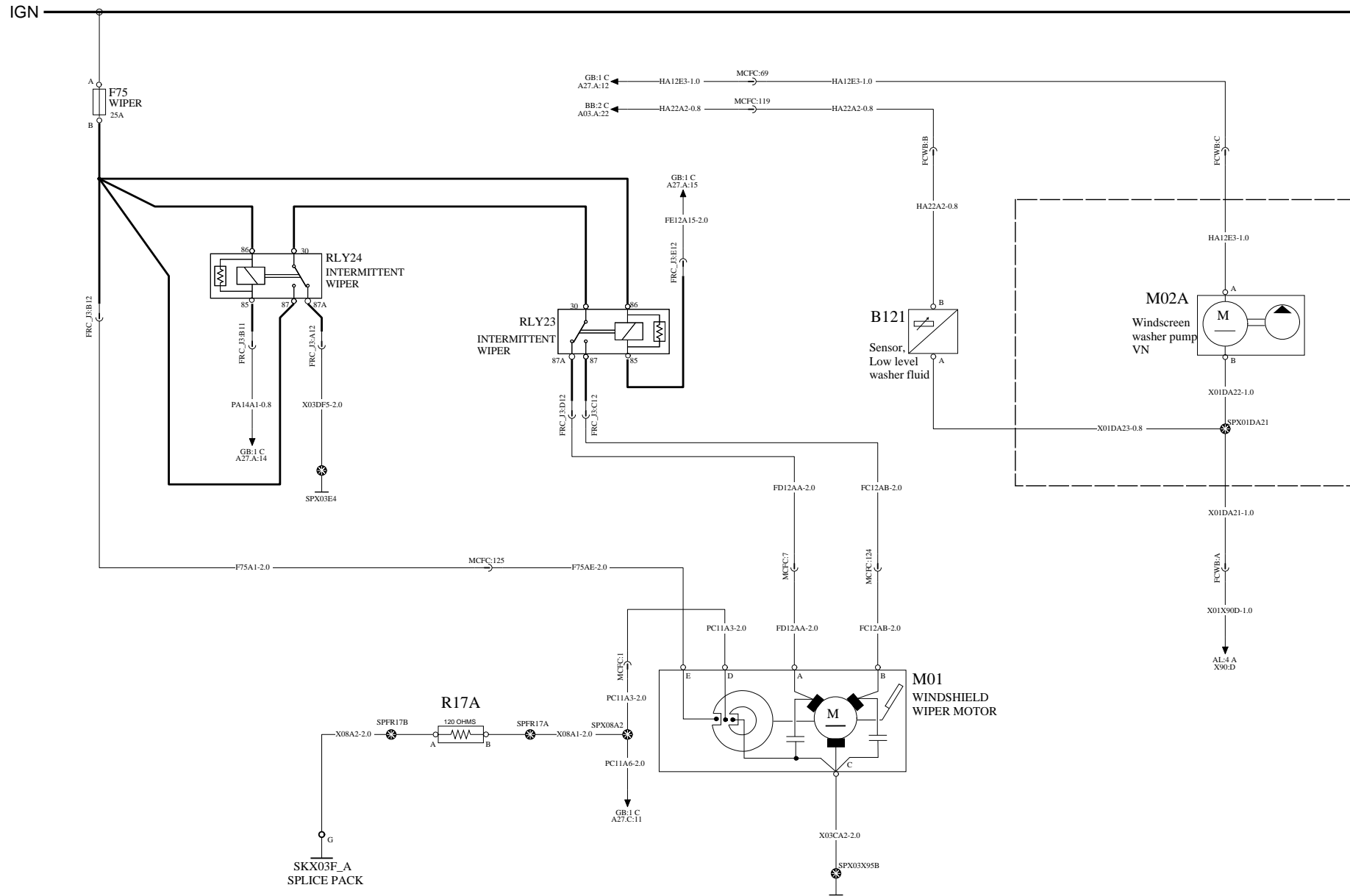
BACK UP LAMPS WITH ALARM

WIRING DIAGRAM: GK

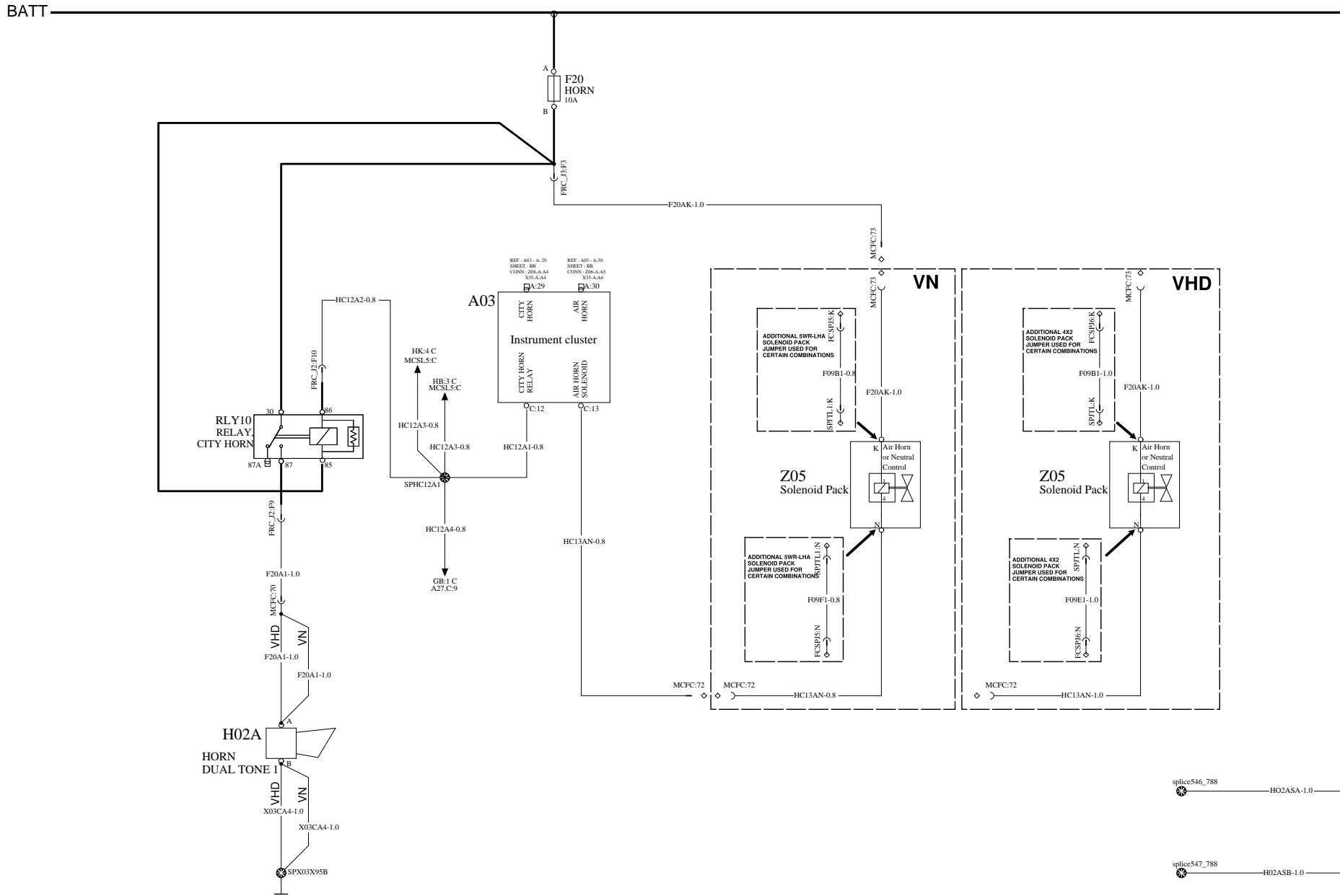


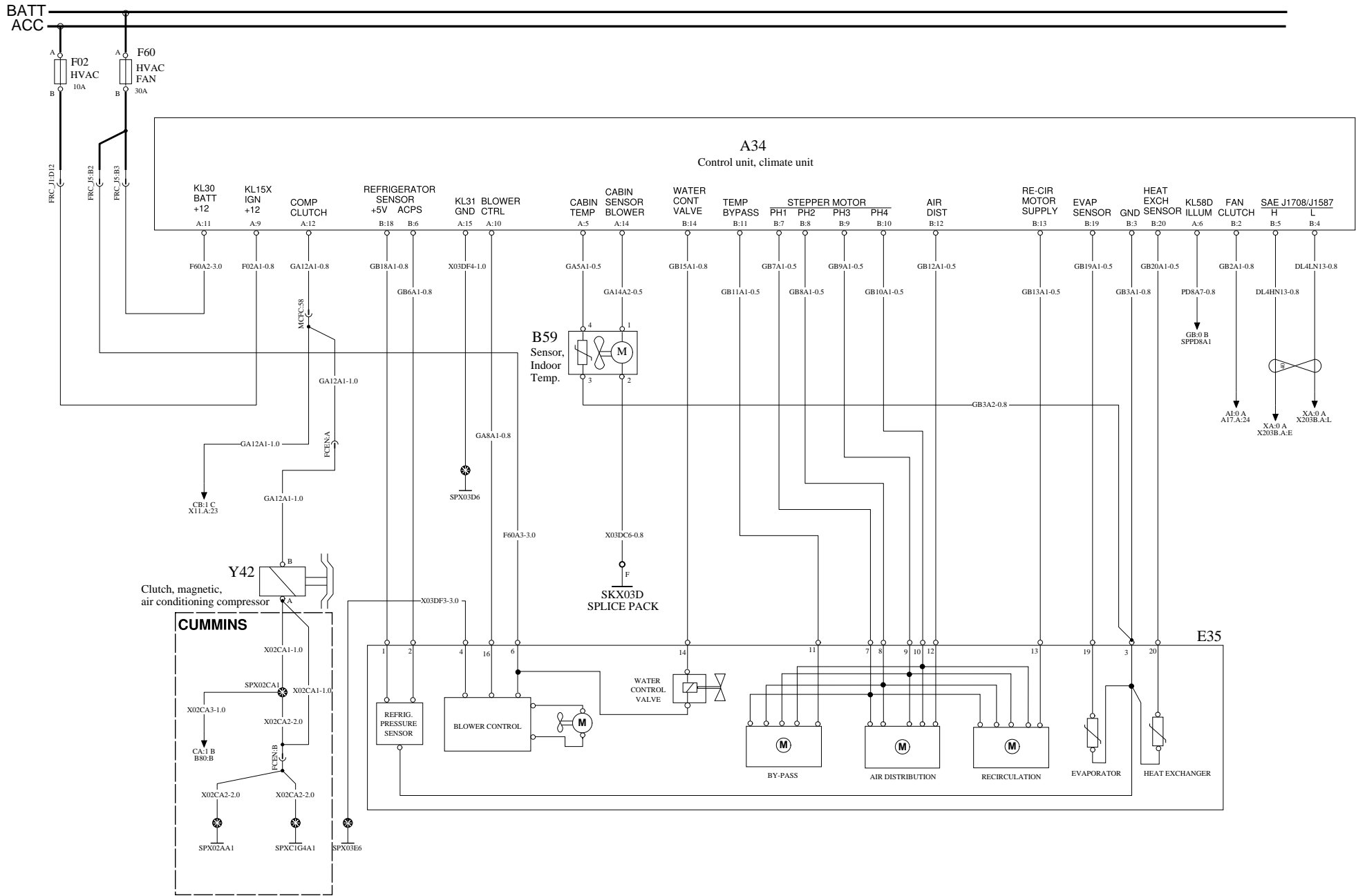
WINDSHIELD WASHER

WIRING DIAGRAM: GP



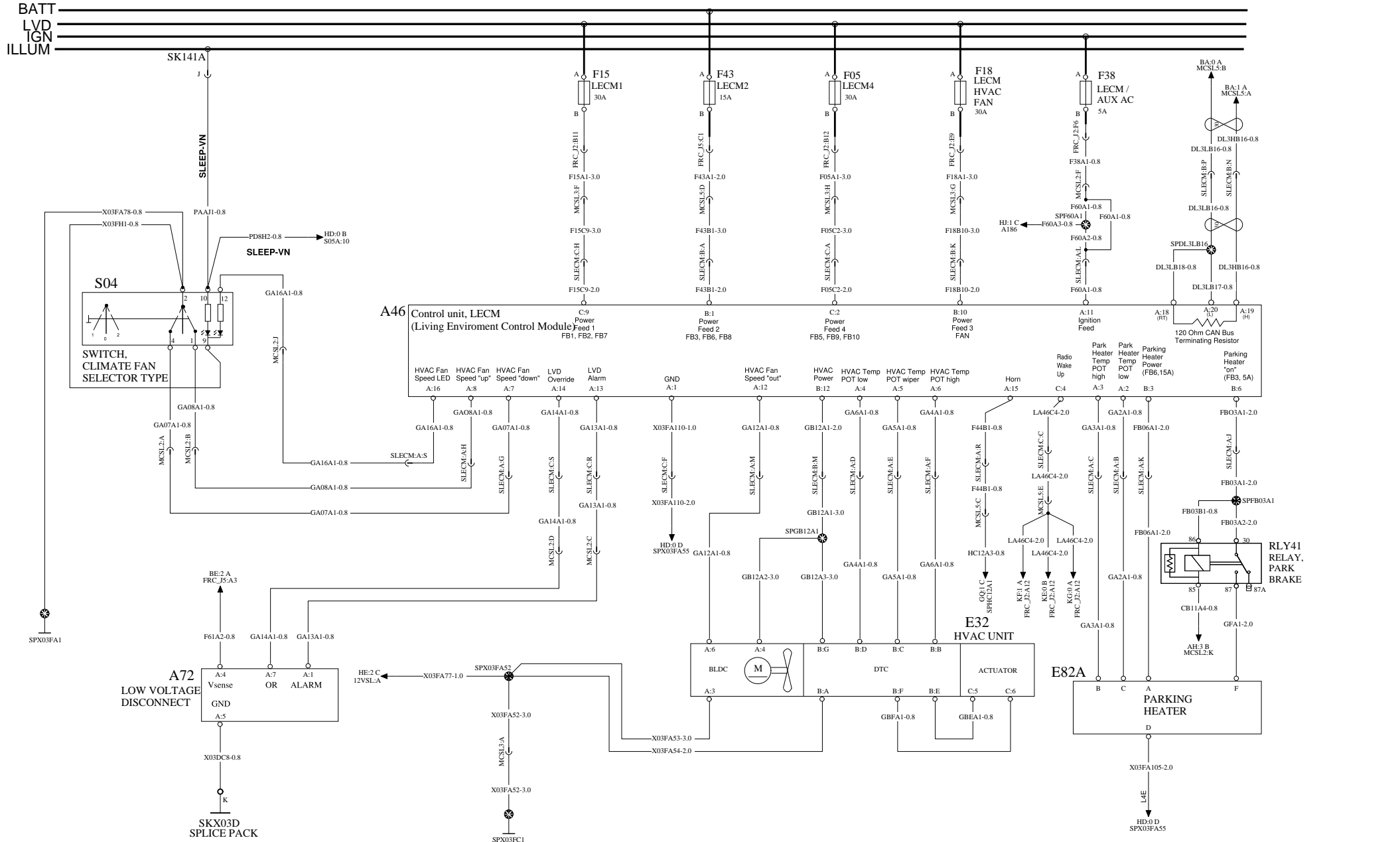
HORN WIRING DIAGRAM: GQ

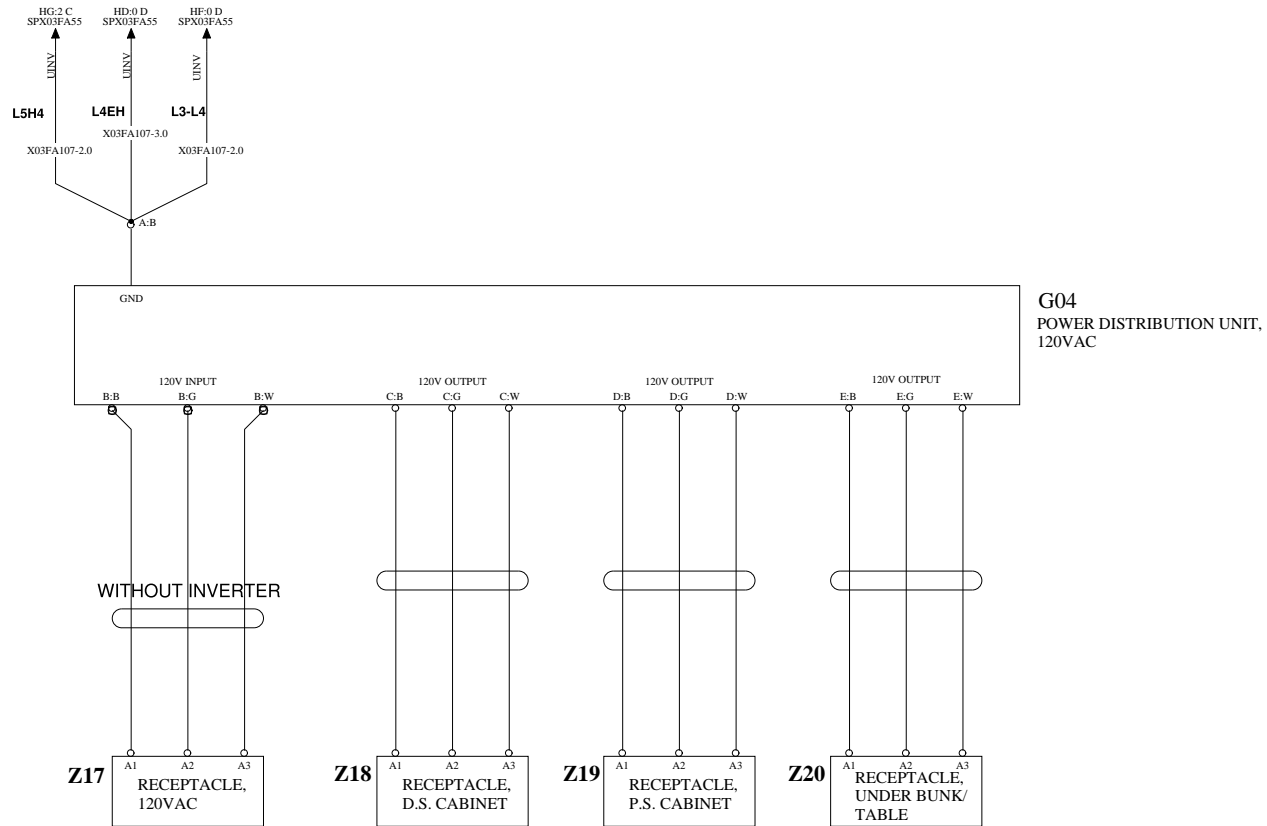




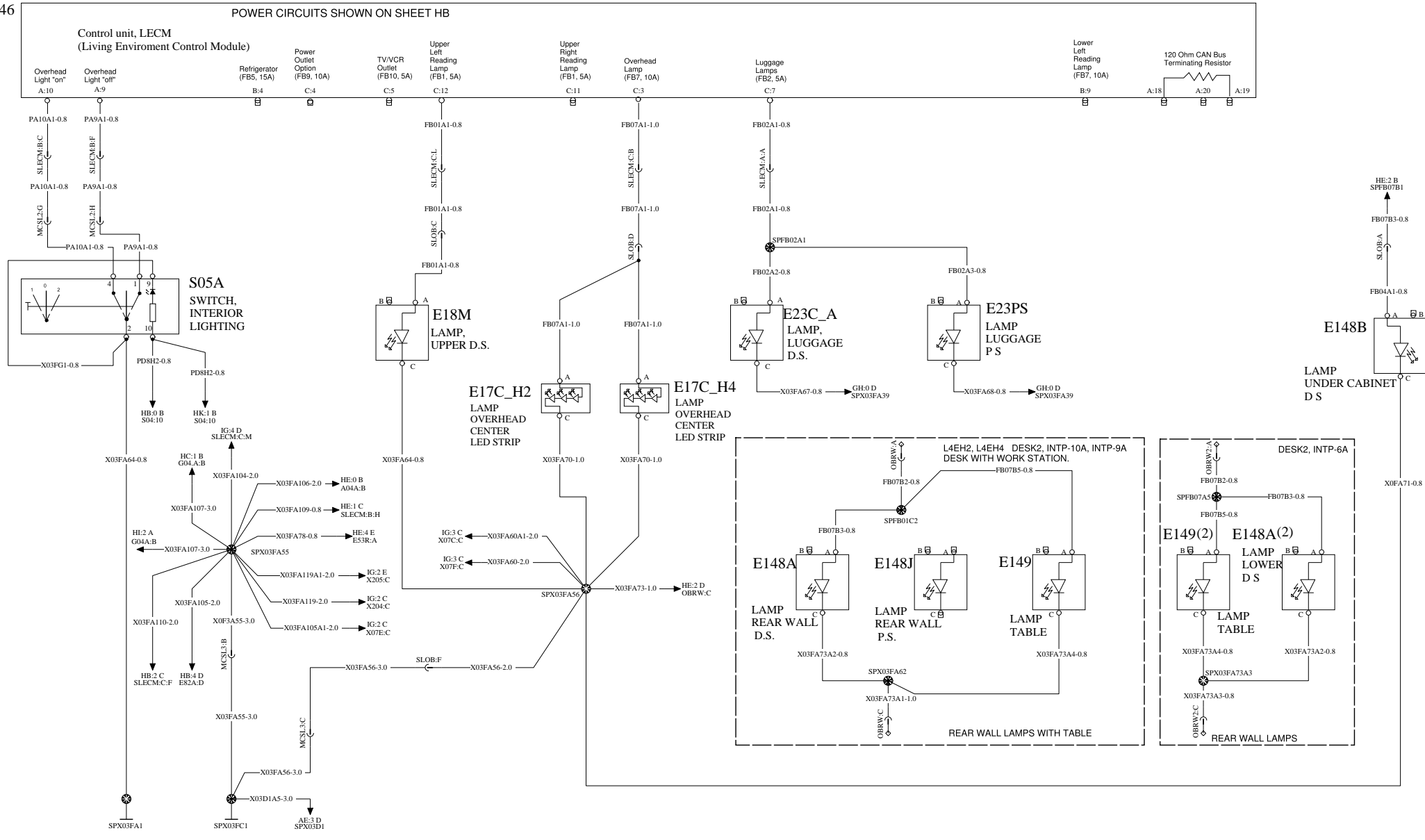
SLEEPER BASE CLIMATE CONTROL W. LECM

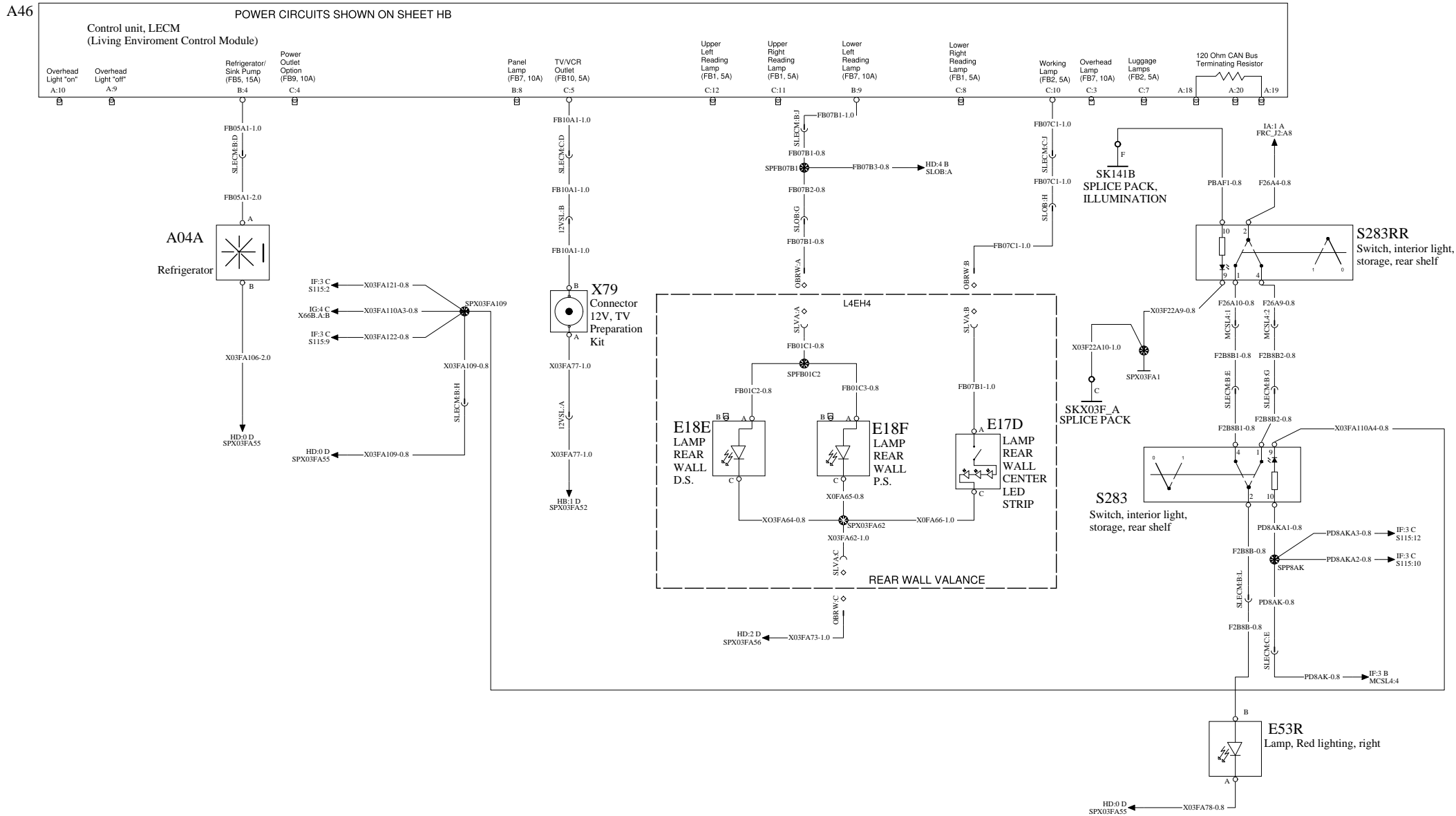
WIRING DIAGRAM: HB





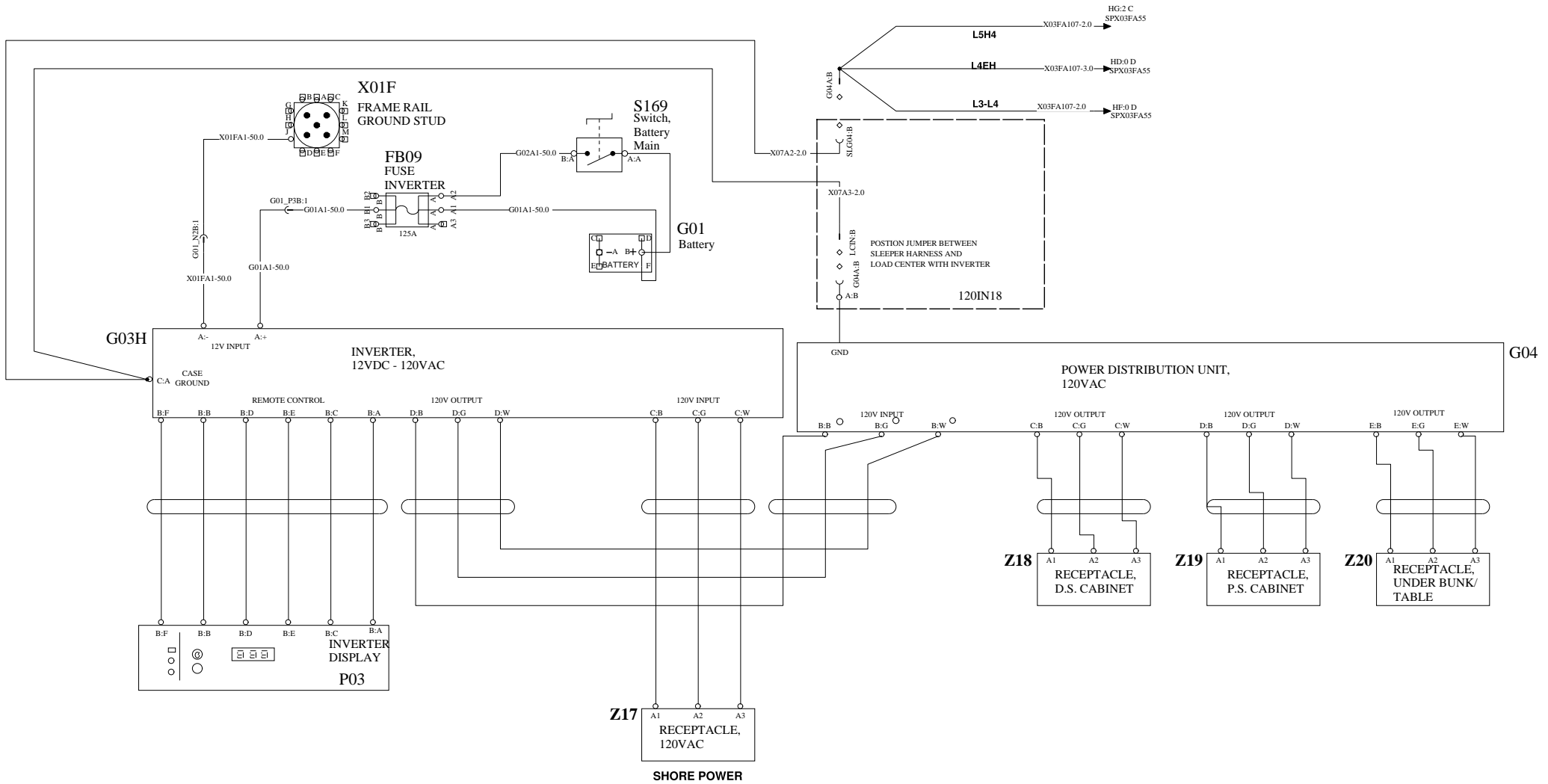
A46





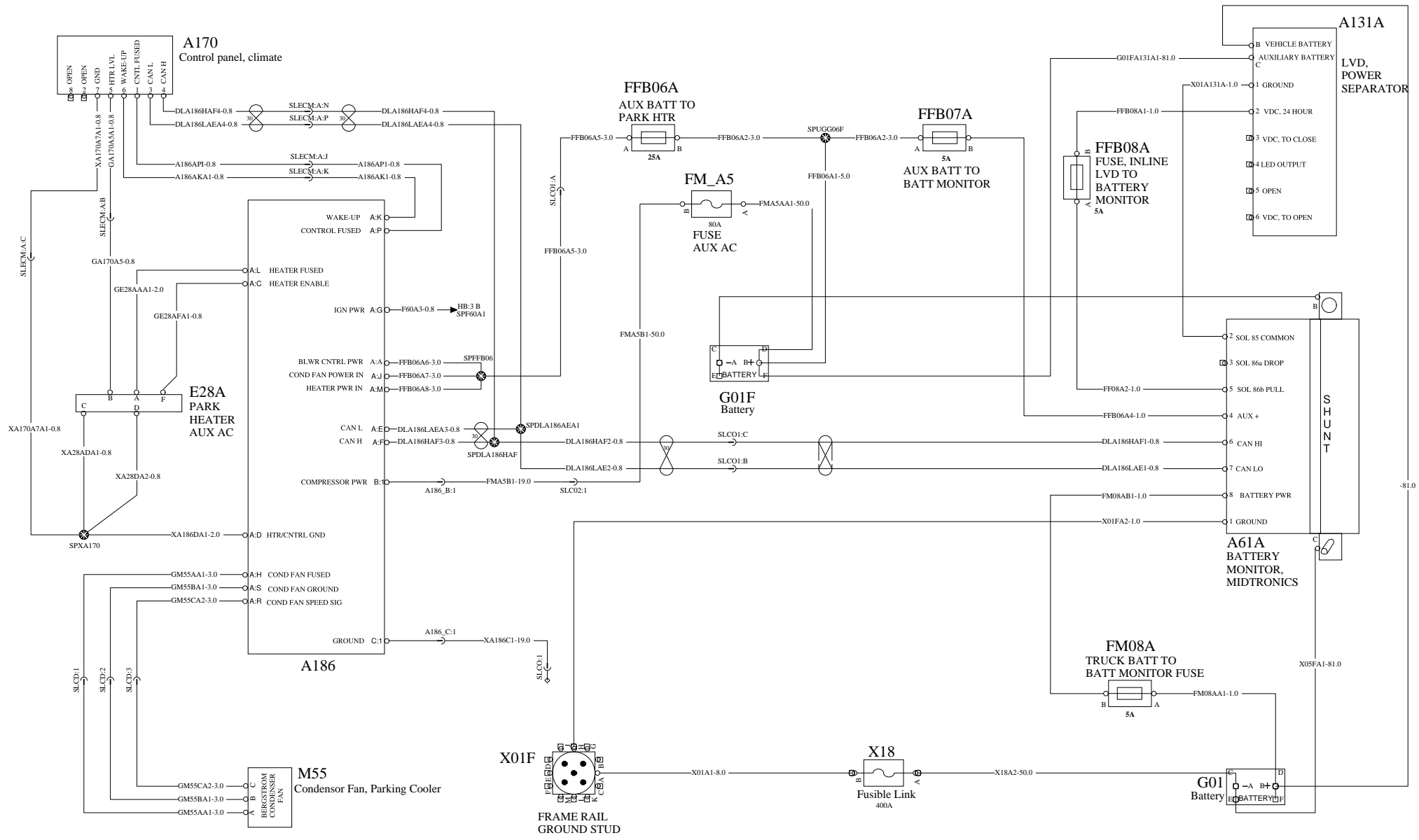
CAB MANT. INVERTER W/SHORE POWER

WIRING DIAGRAM: HI



AUXILLIARY 12V PARK COOLING SYSTEM L4E

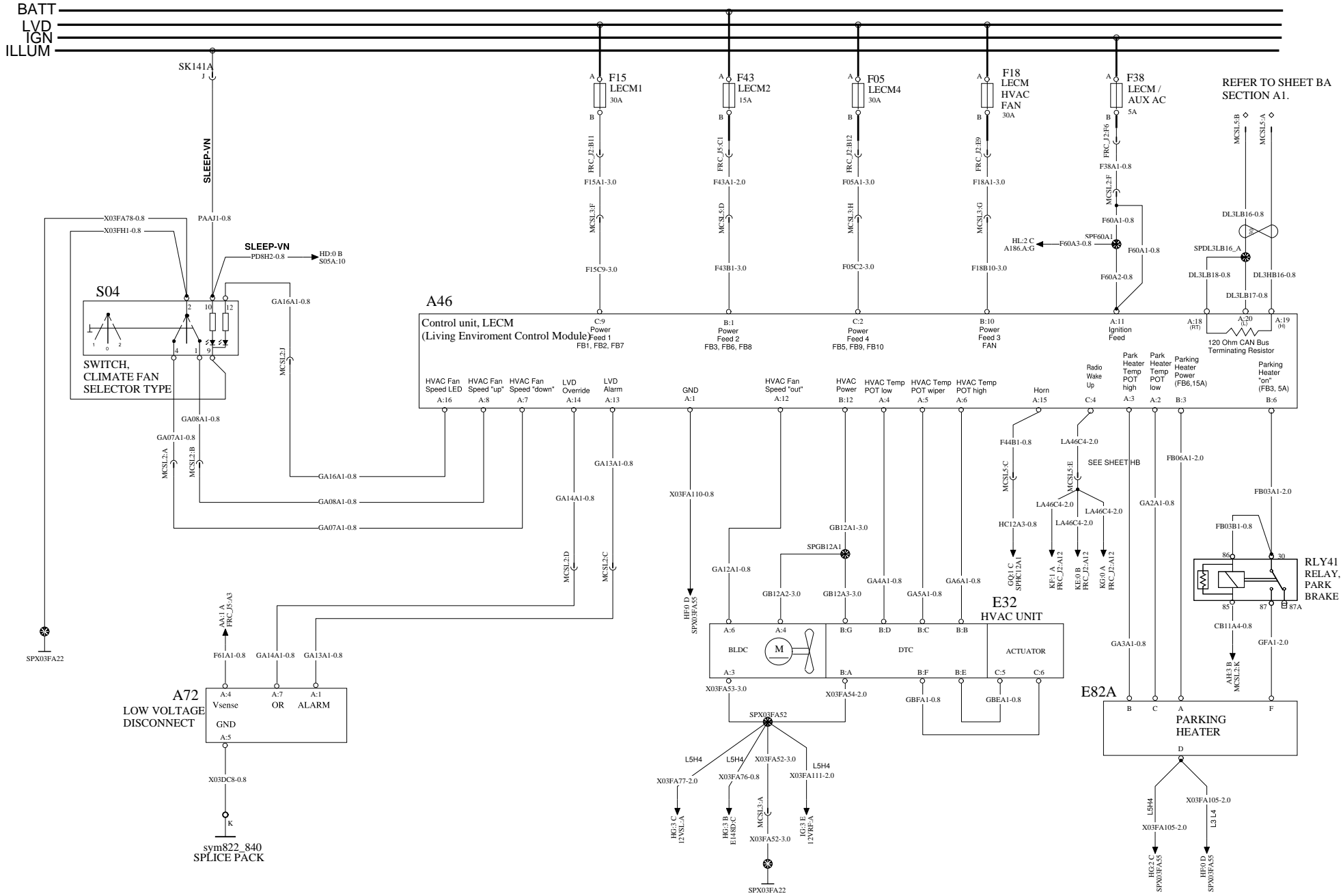
WIRING DIAGRAM: HJ



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	Document type				
	PRODUCT SCHEMATIC				

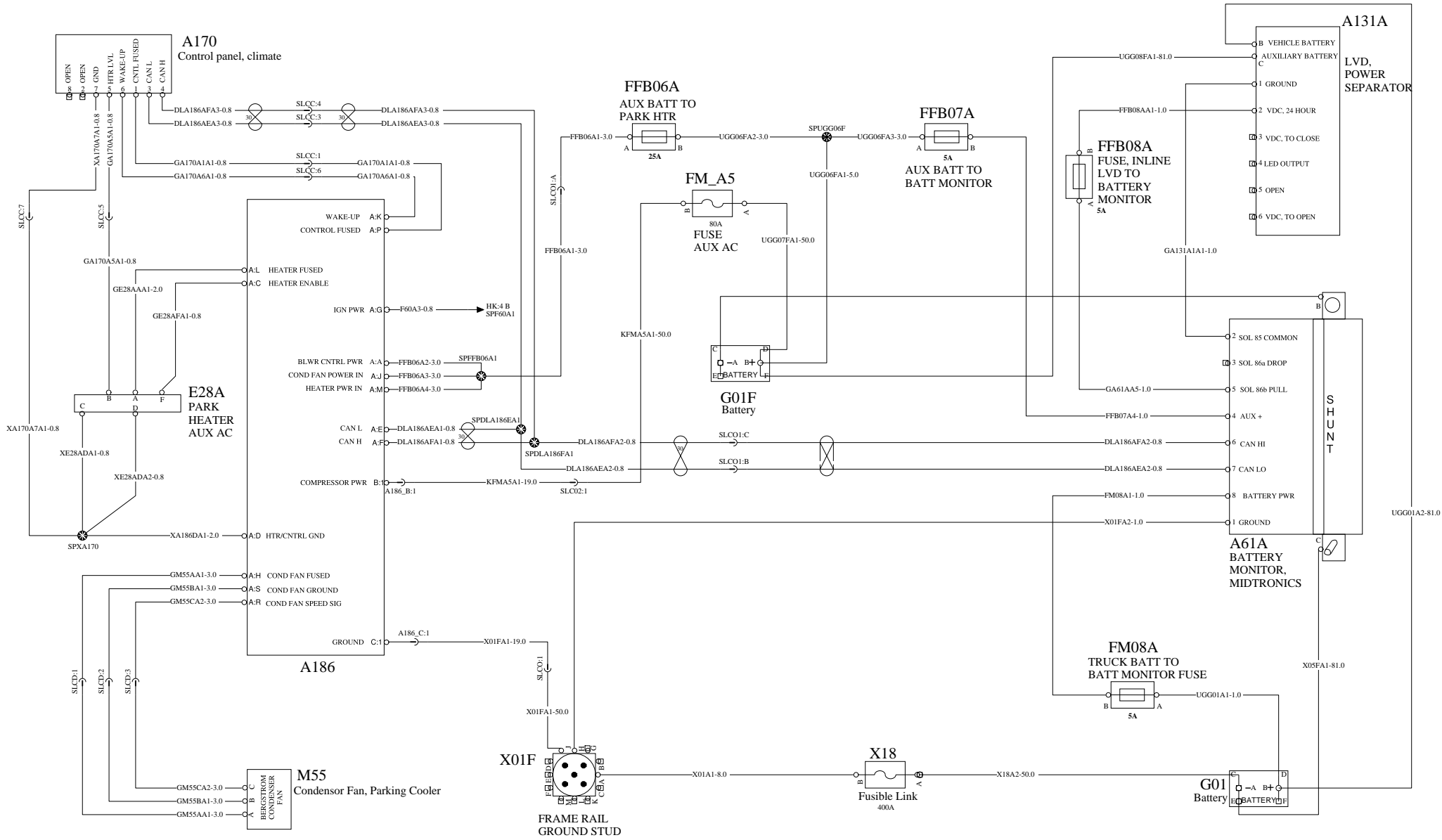
SLEEPER CLIMATE CONTROL L3,L4,L5

WIRING DIAGRAM: HK



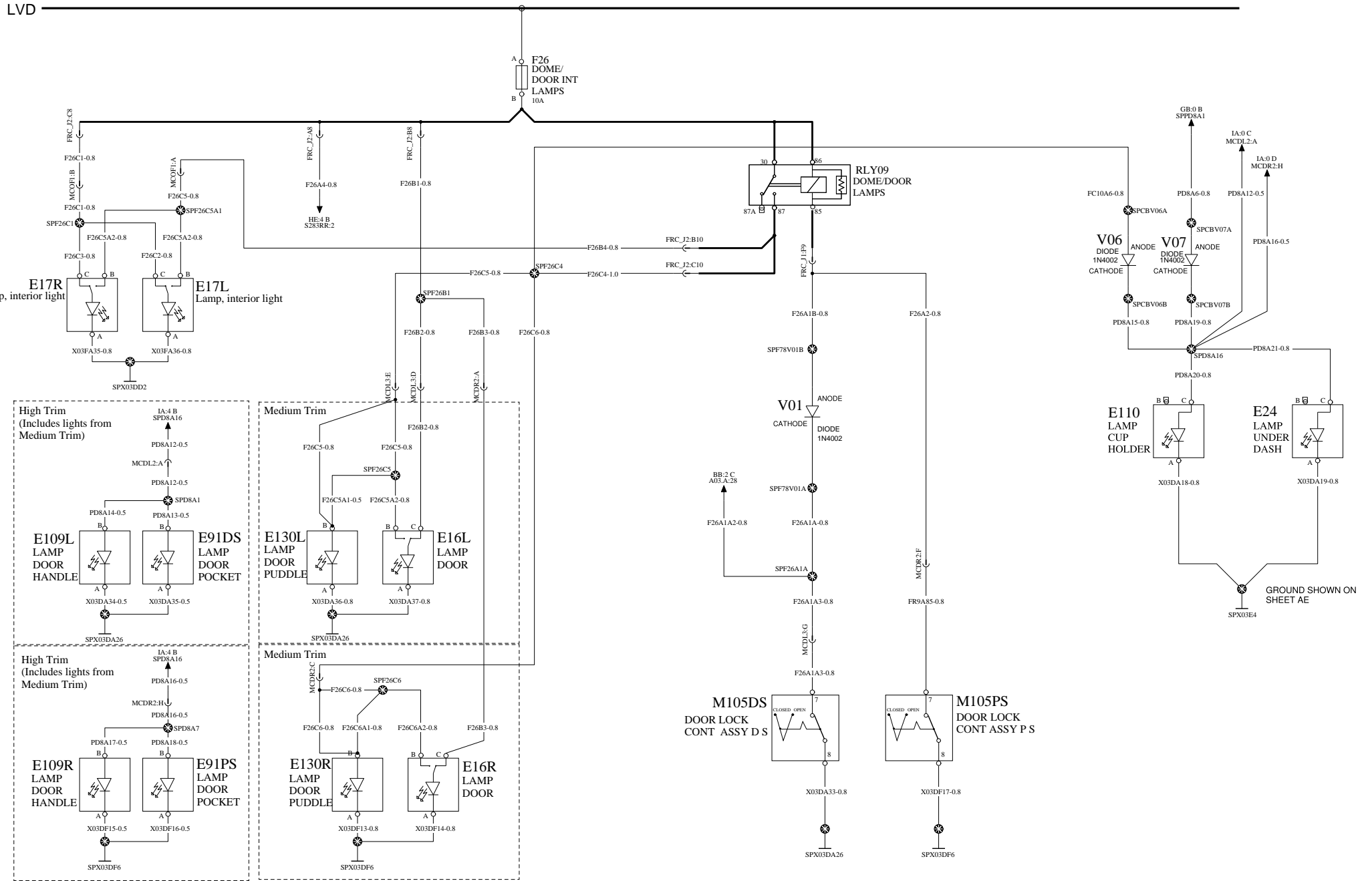
AUXILLARY 12V PARK COOLING SYSTEM L4 AND L5

WIRING DIAGRAM: HL



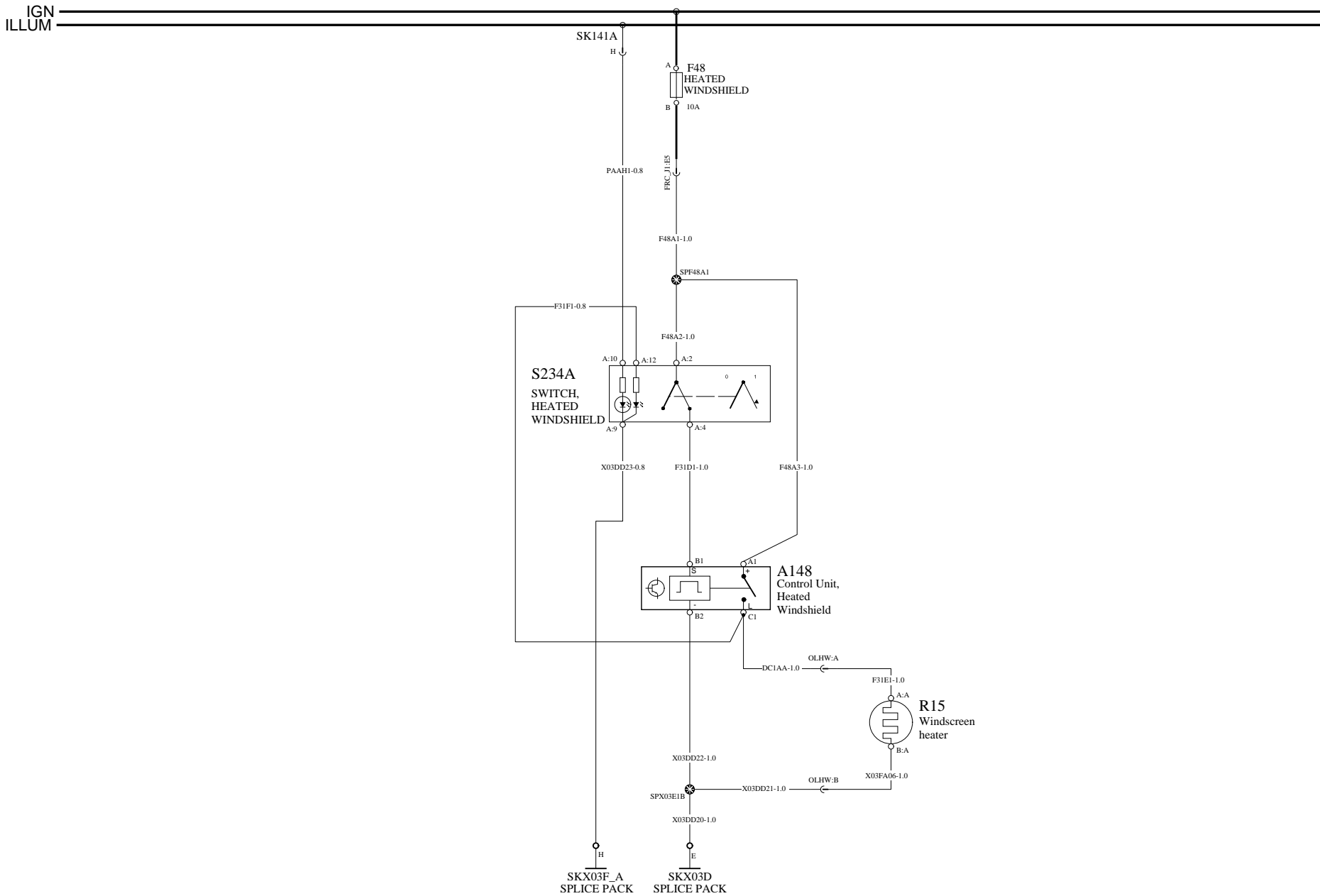
INTERIOR COURTESY LIGHTS

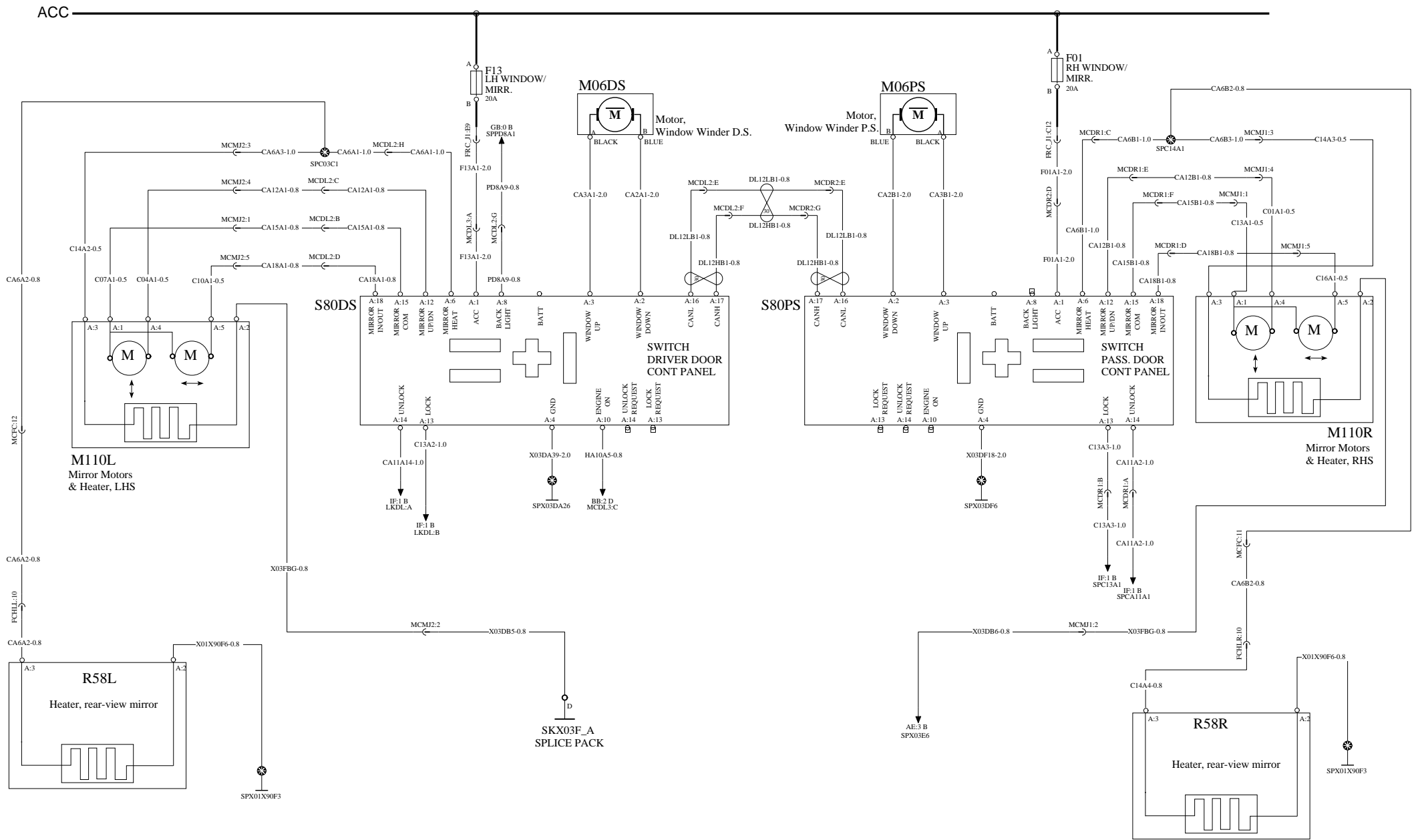
WIRING DIAGRAM: IA

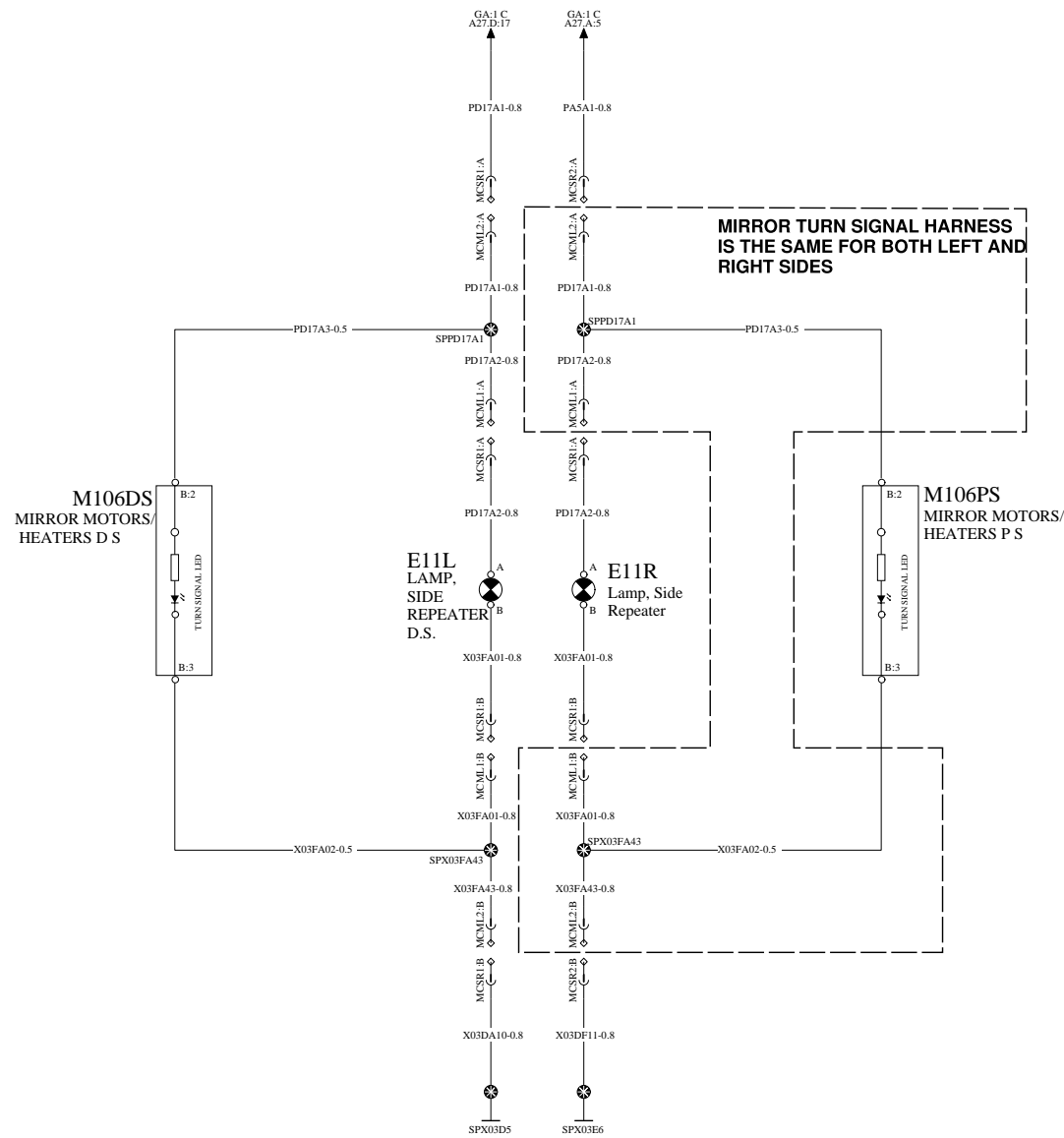


HEATED WINDSHIELD

WIRING DIAGRAM: IB

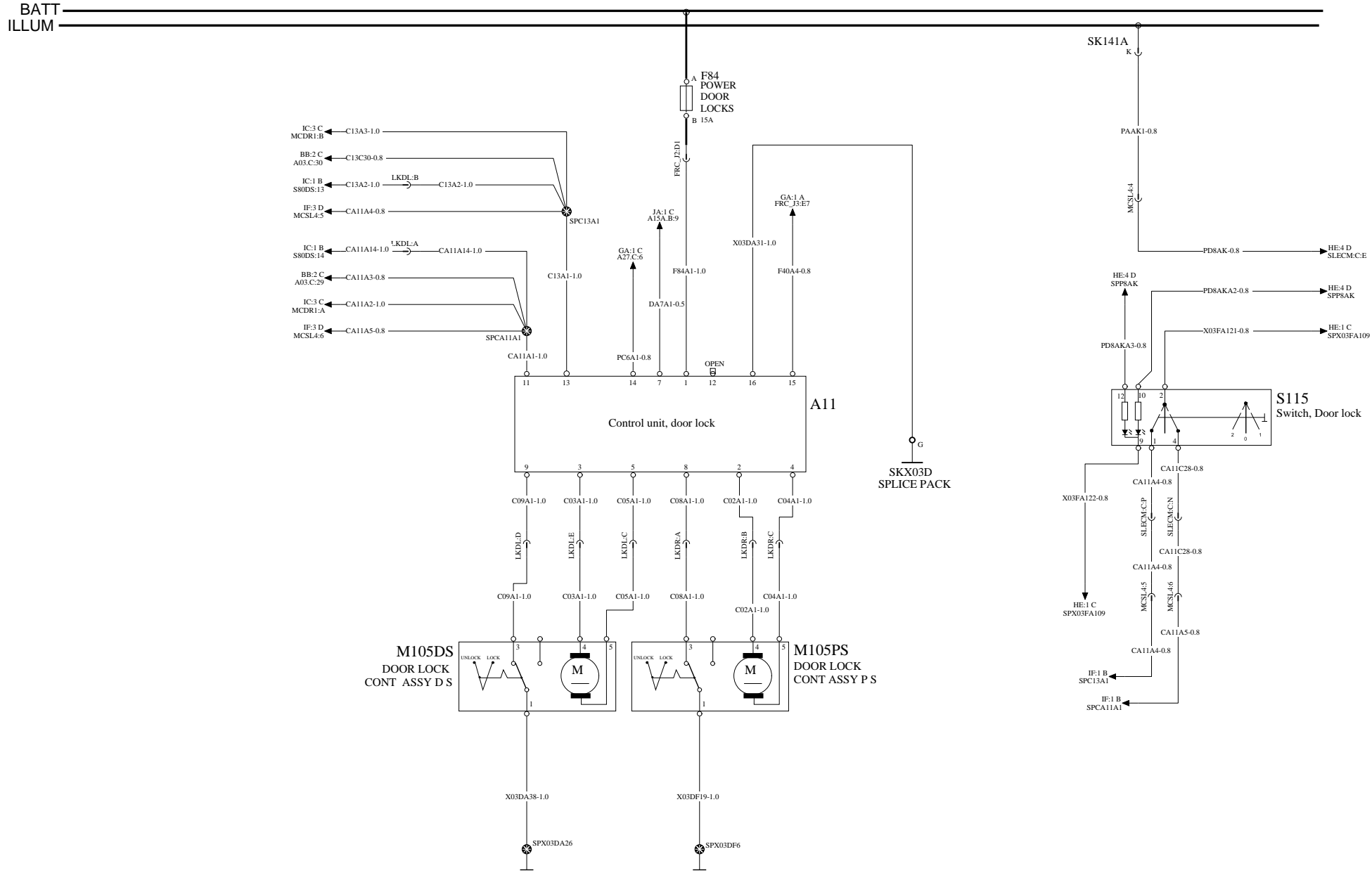


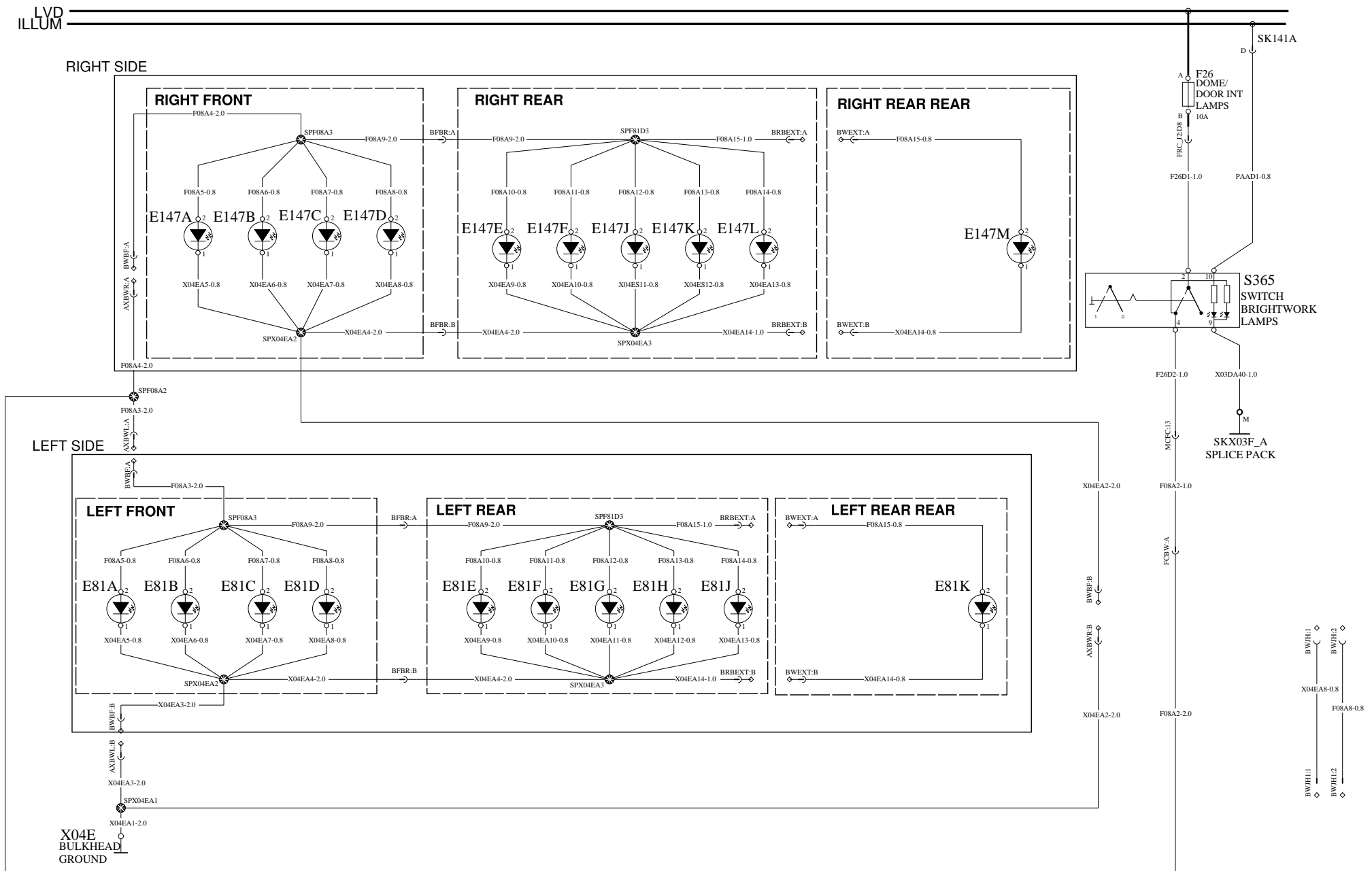




CENTRAL/ REMOTE DOOR LOCKING

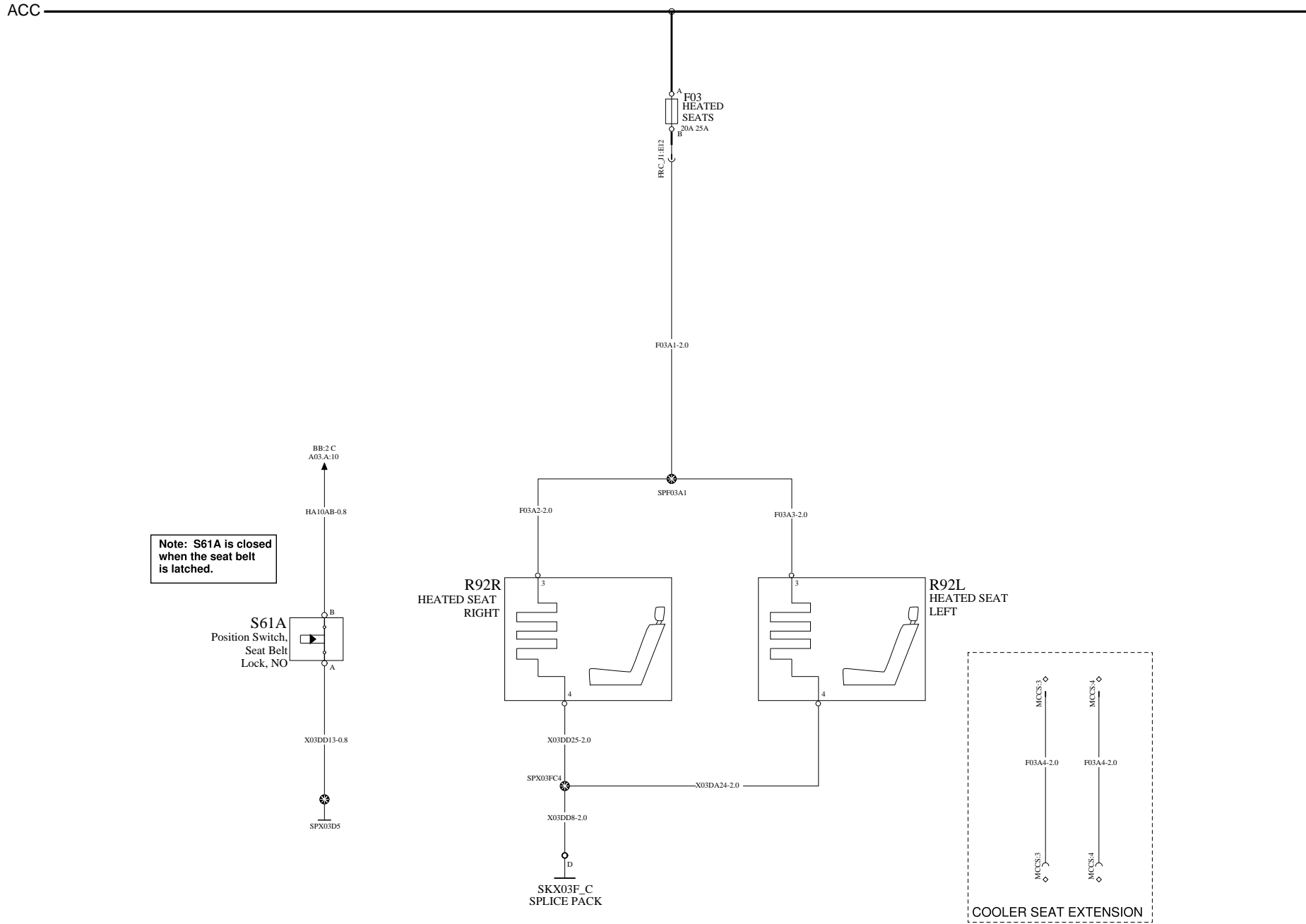
WIRING DIAGRAM: IF



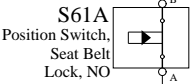


SEAT BELTS, HEATED SEATS

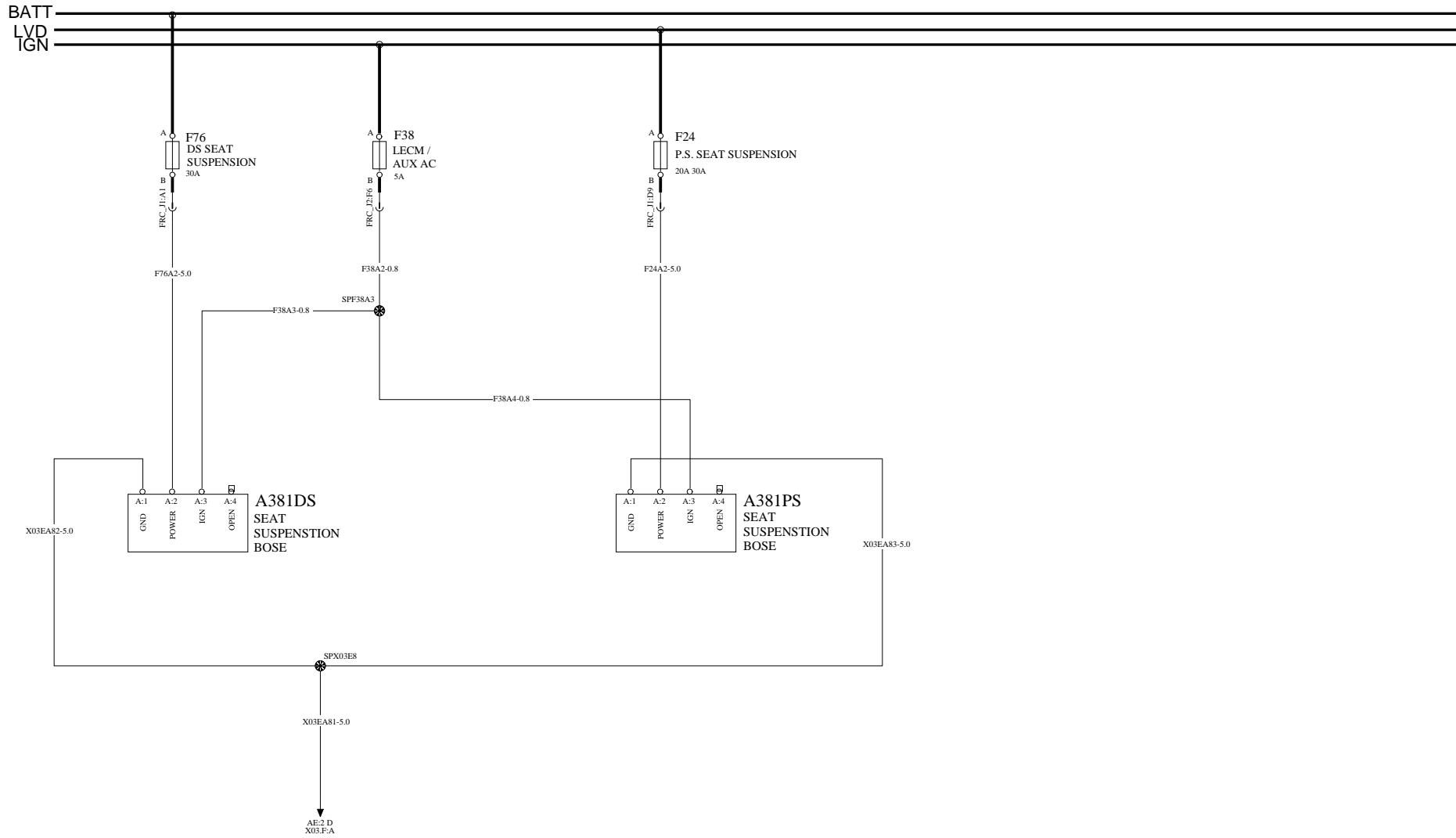
WIRING DIAGRAM: IR



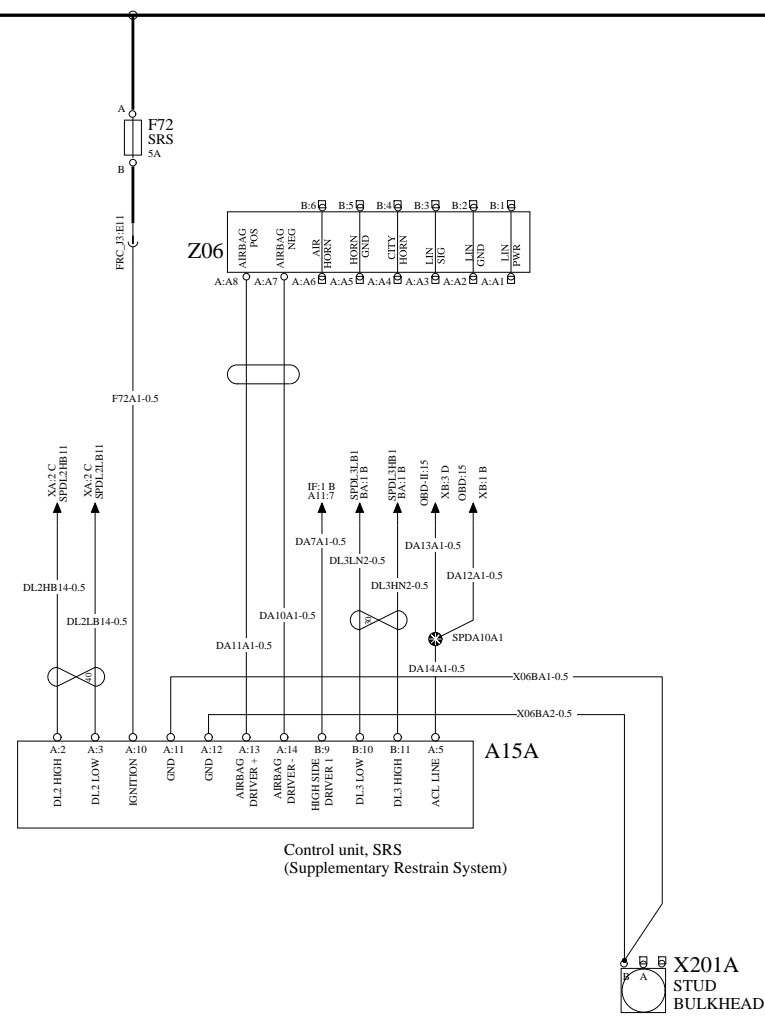
Note: S61A is closed when the seat belt is latched.



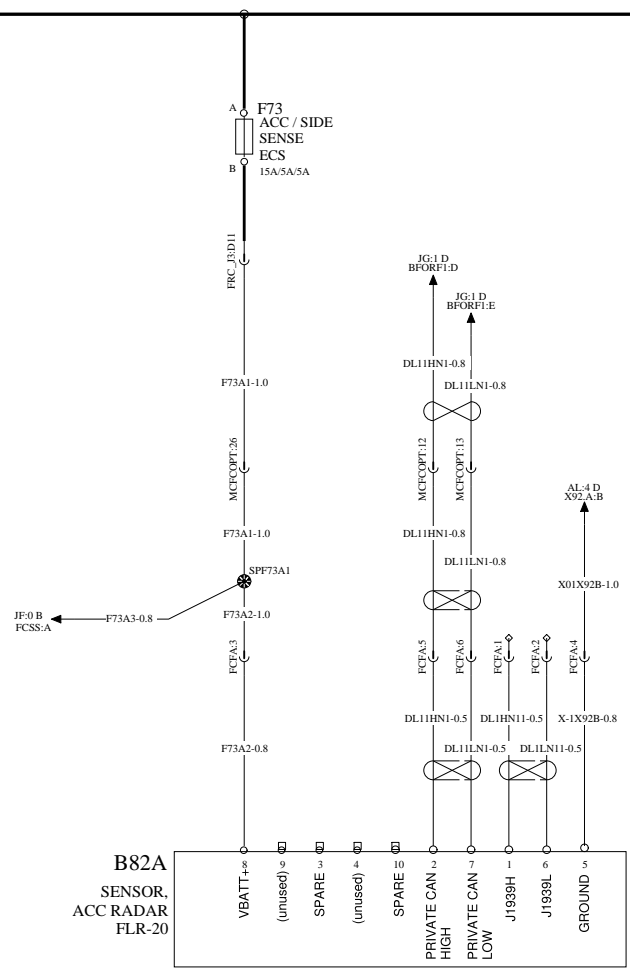
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KEY



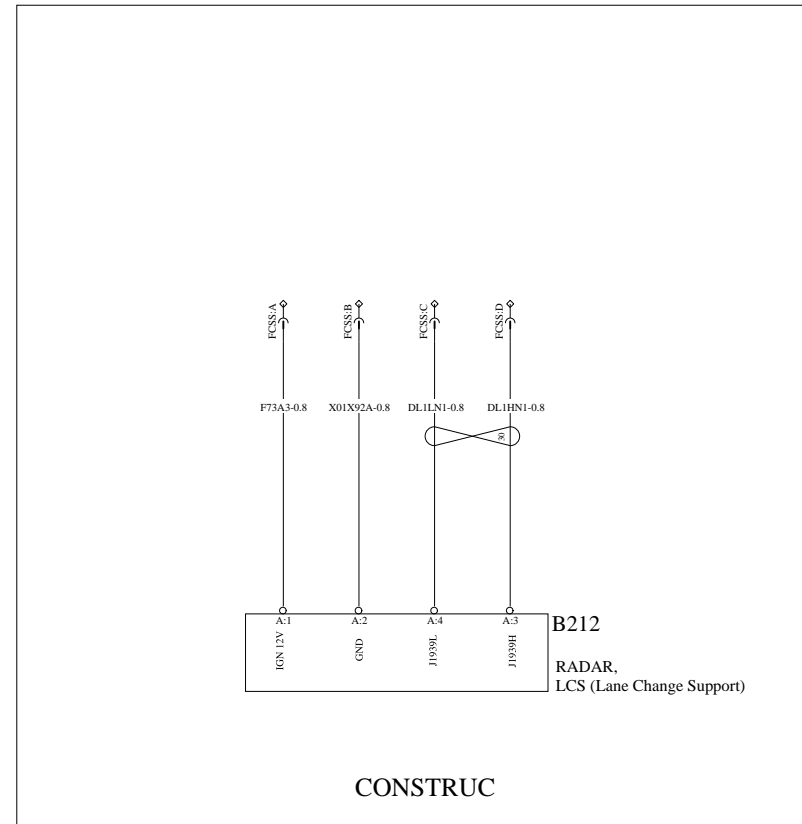
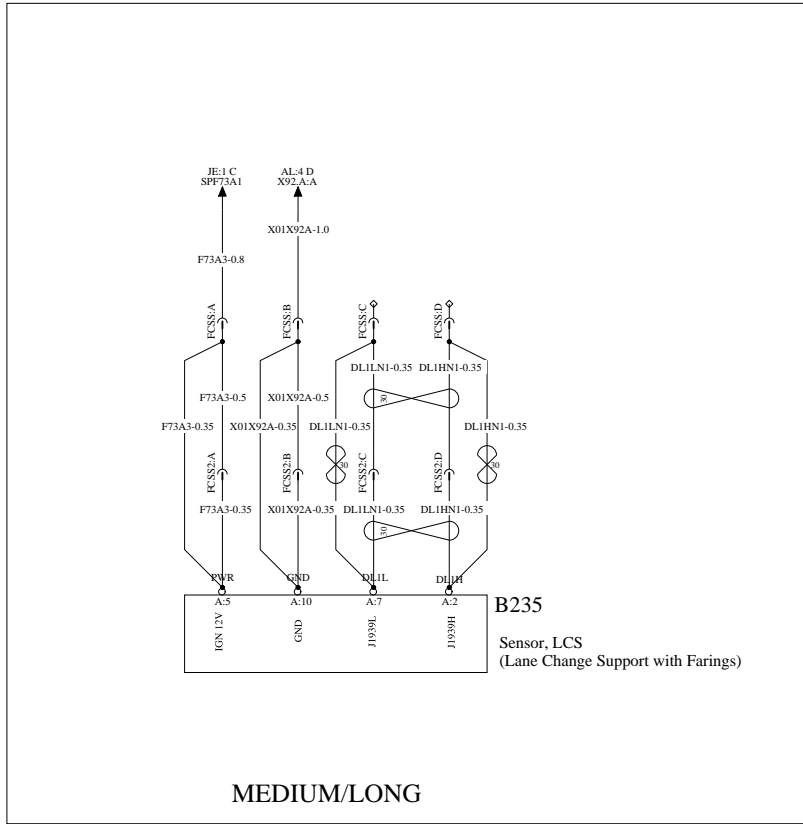
KEY



FLR-20 RADAR

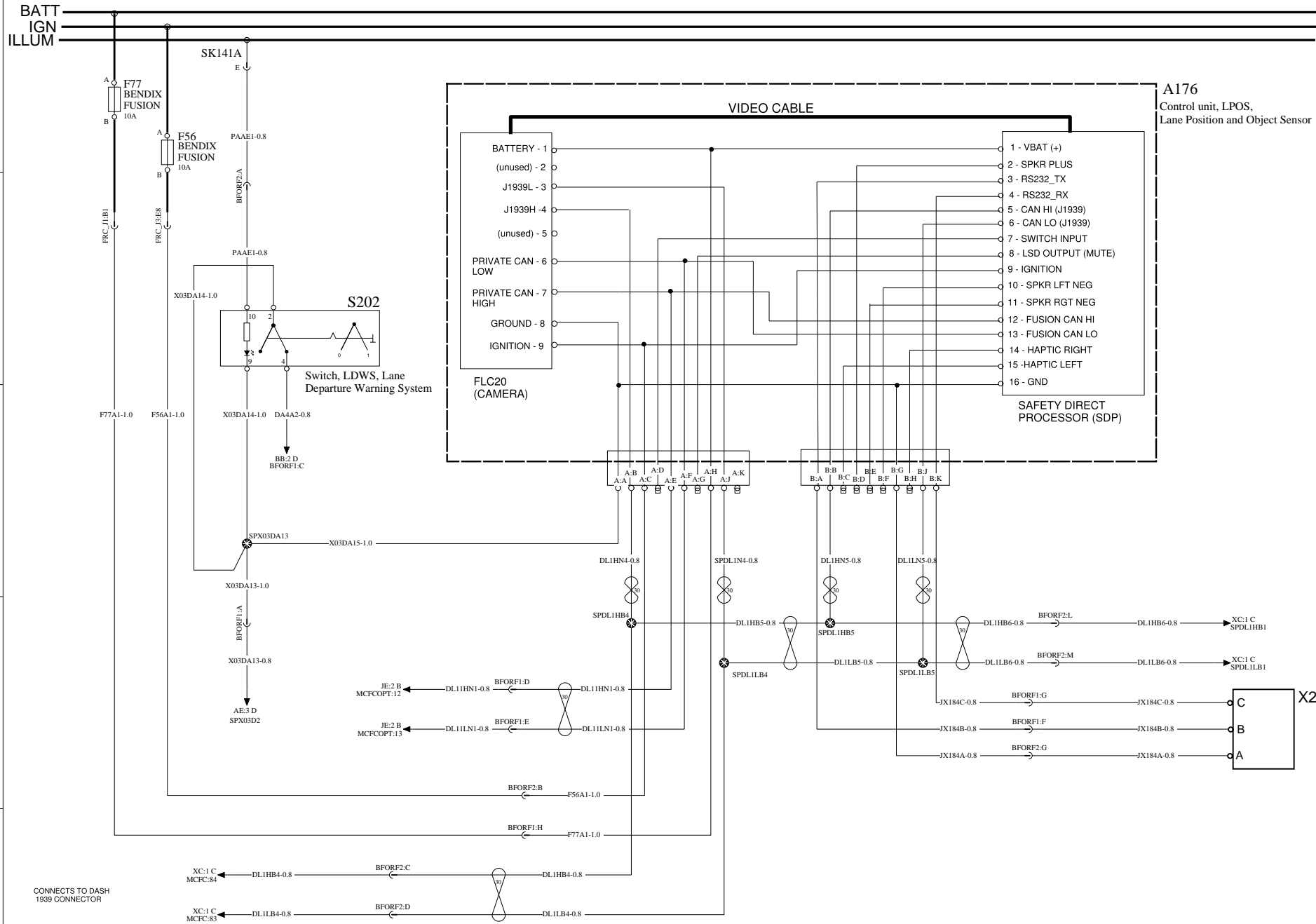
SIDE OBJECT DETECTION SYSTEM

WIRING DIAGRAM: JF

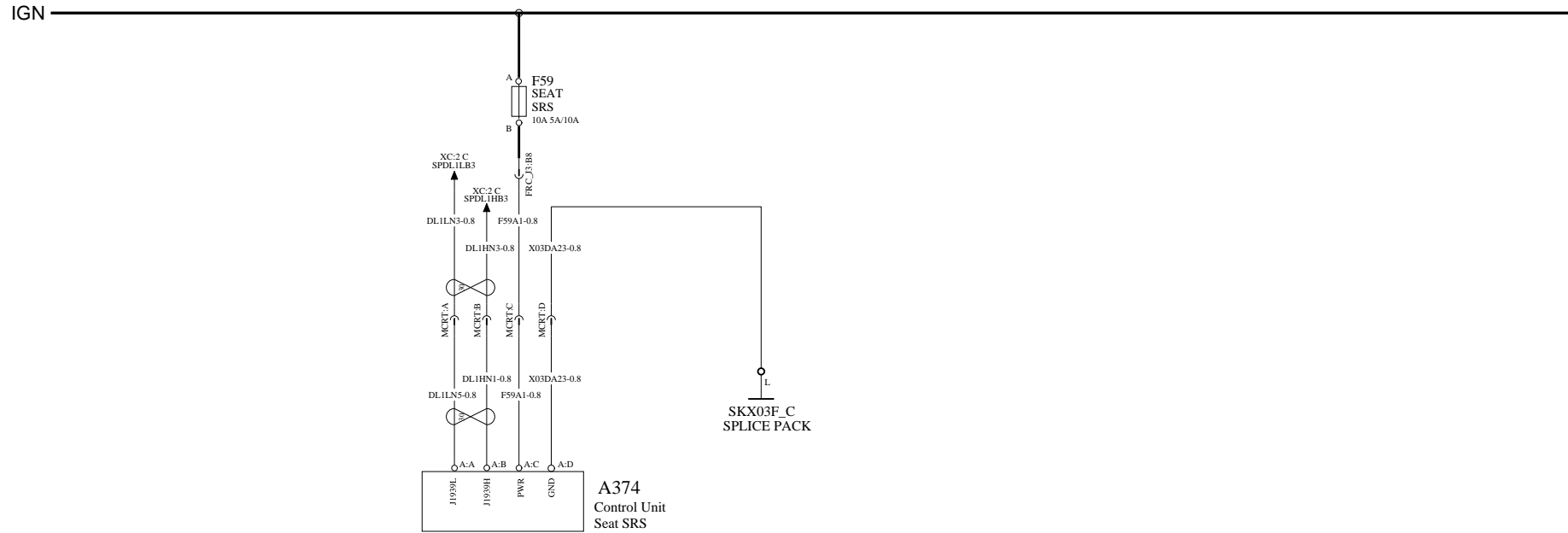


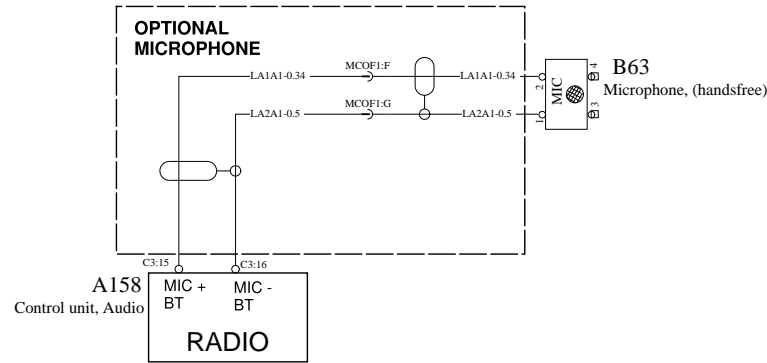
LANE DEPARTURE WARNING SYSTEM

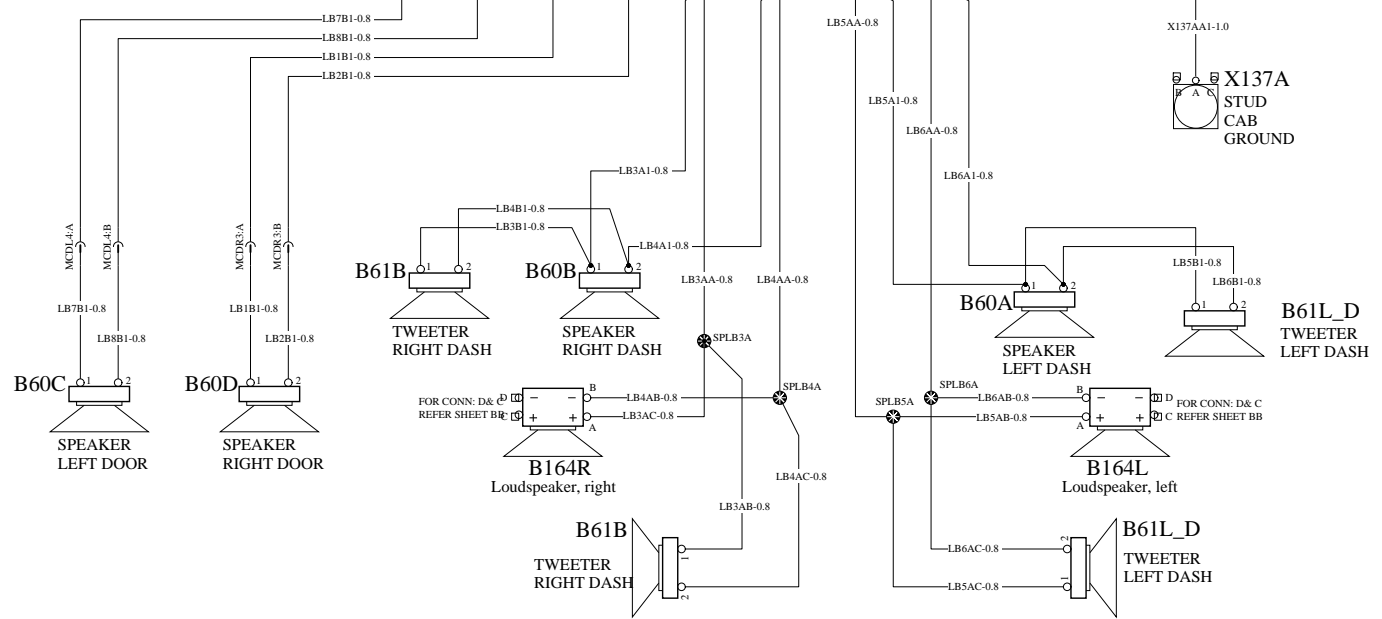
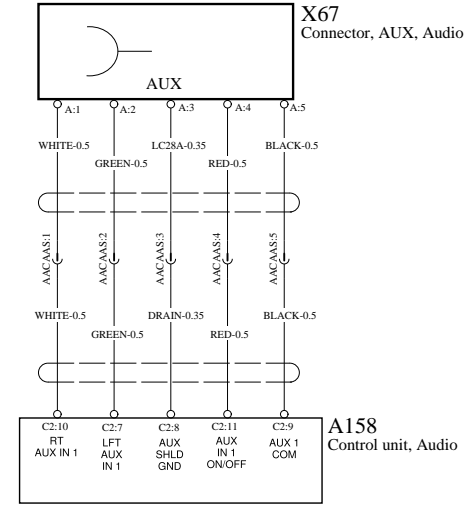
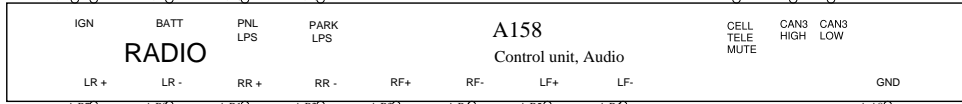
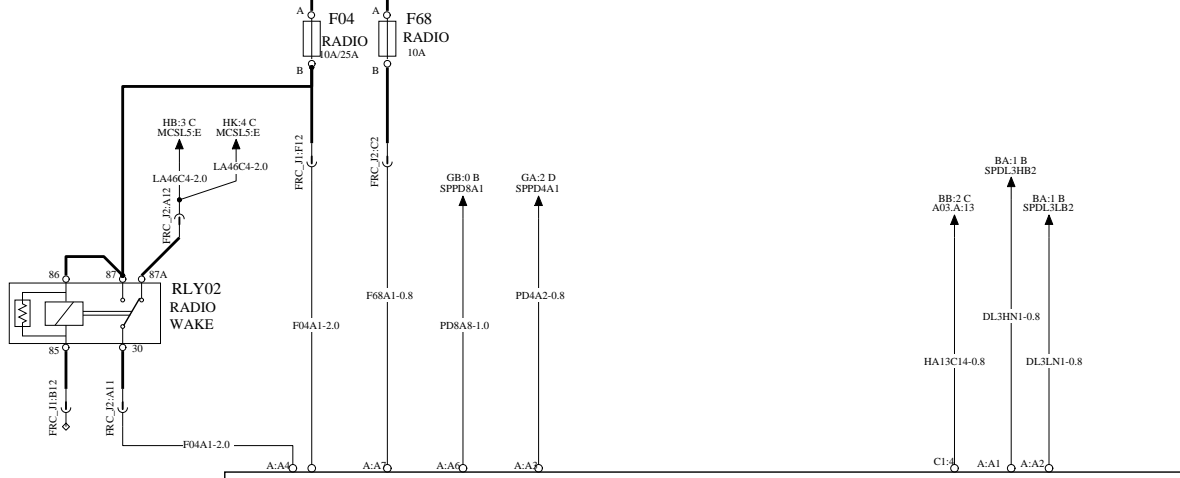
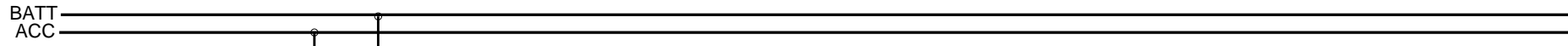
WIRING DIAGRAM: JG



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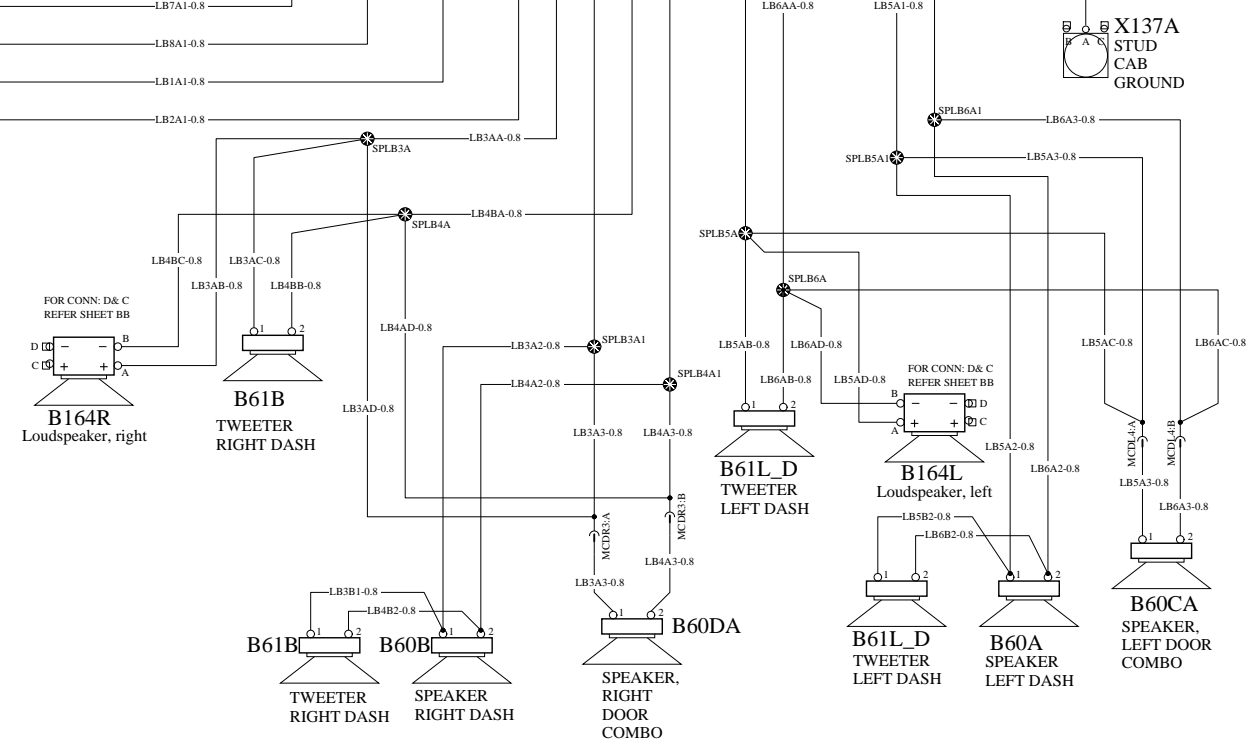
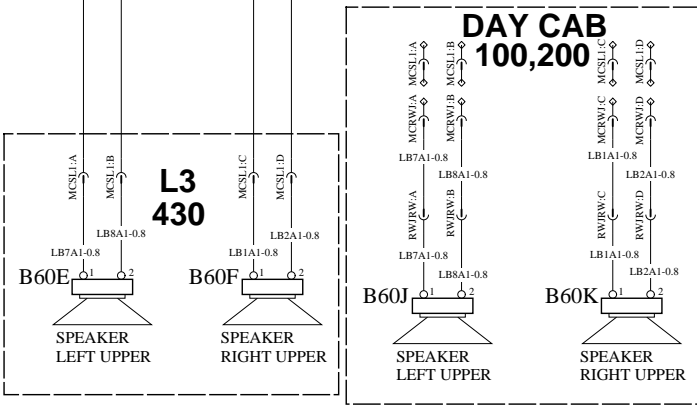
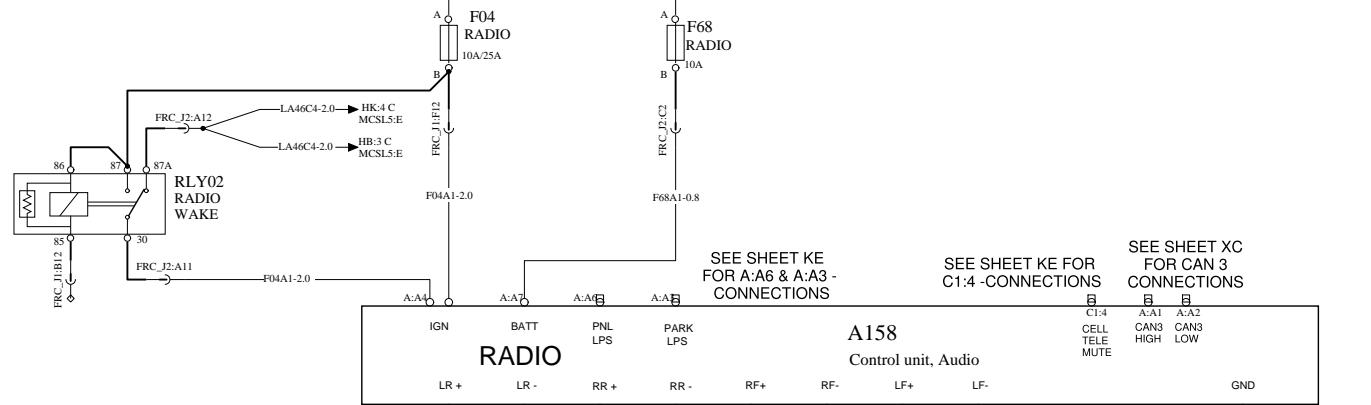
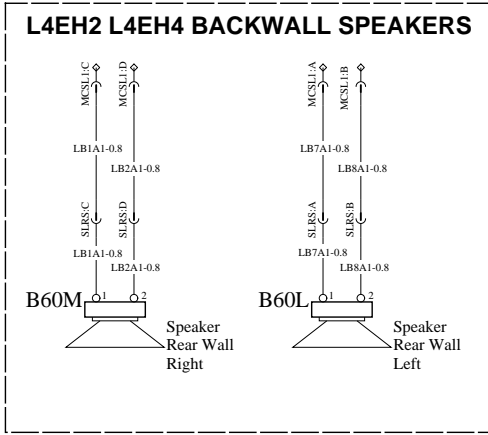




AUDIO SYSTEM- DEA 500 SERIES RADIO- 6 SPEAKER

WIRING DIAGRAM: KF

BATT
ACC



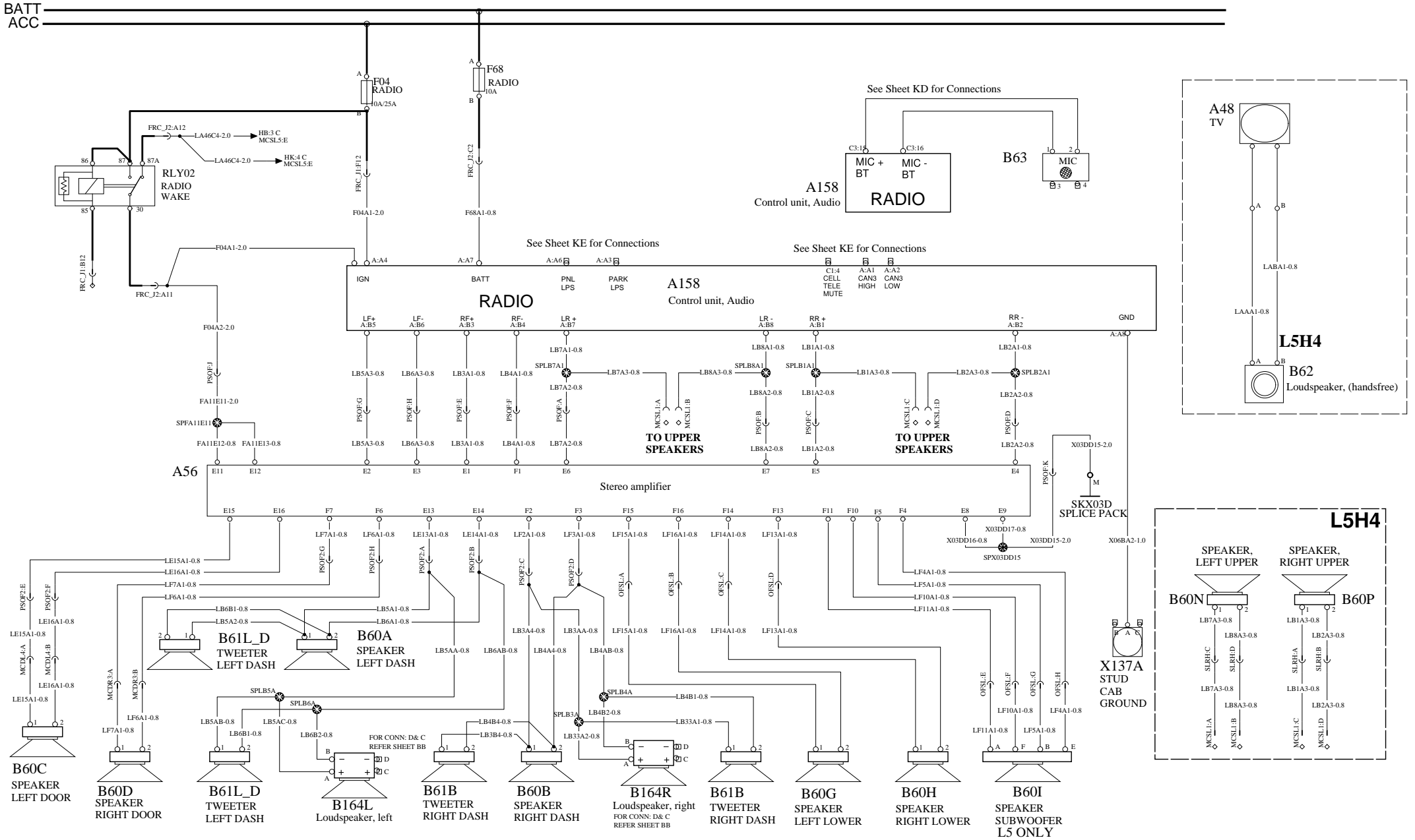
Volvo Truck Corporation

Document title
WIRING DIAGRAM, 12V SCHEMATIC
Document type
PRODUCT SCHEMATIC

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AUDIO SYSTEM- DEA 500 SERIES RADIO- 6 SPEAKER W/SUB, TV PREP

WIRING DIAGRAM: KG

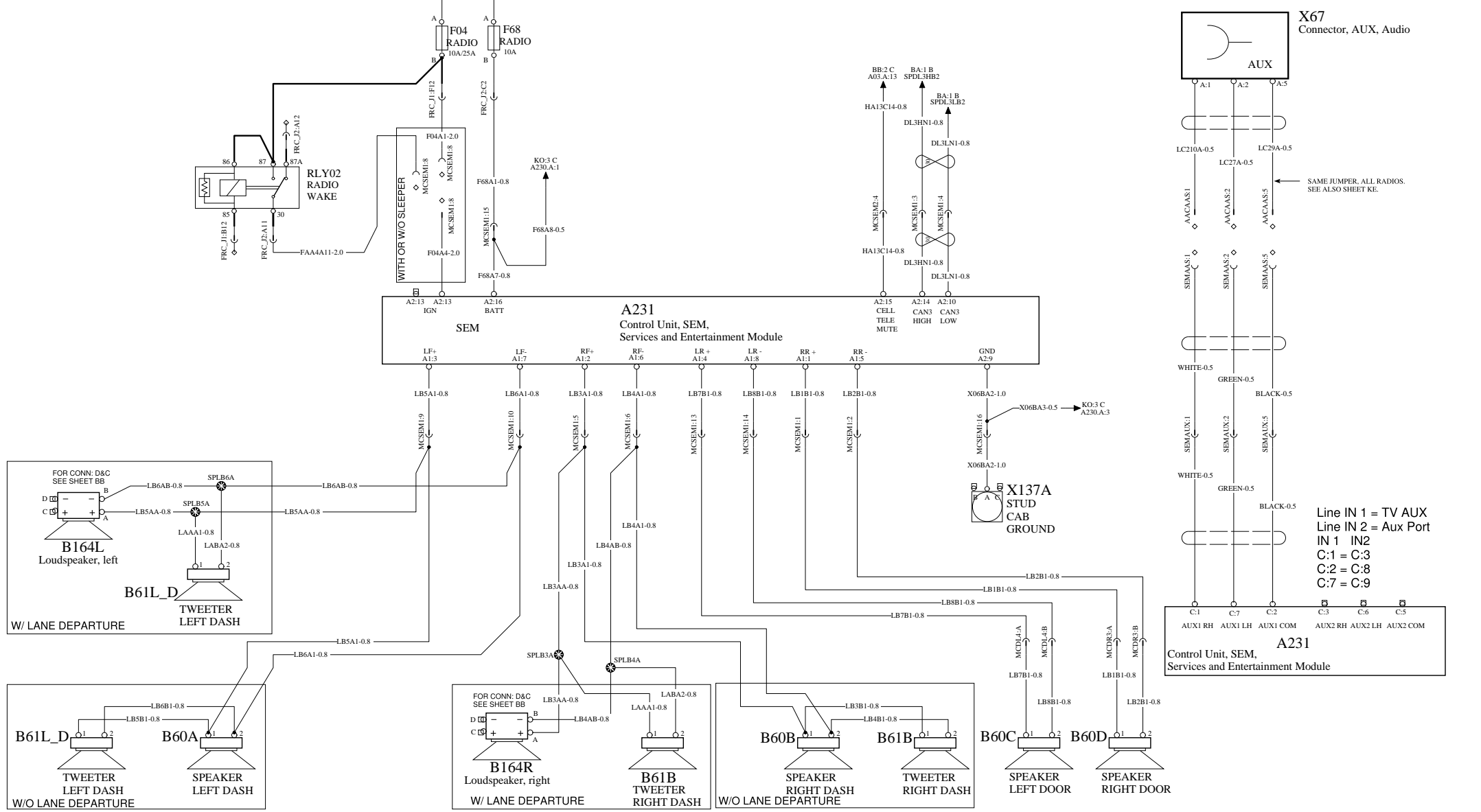


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AUDIO SYSTEM: SEM 4-SPEAKER AND AUX INPUT

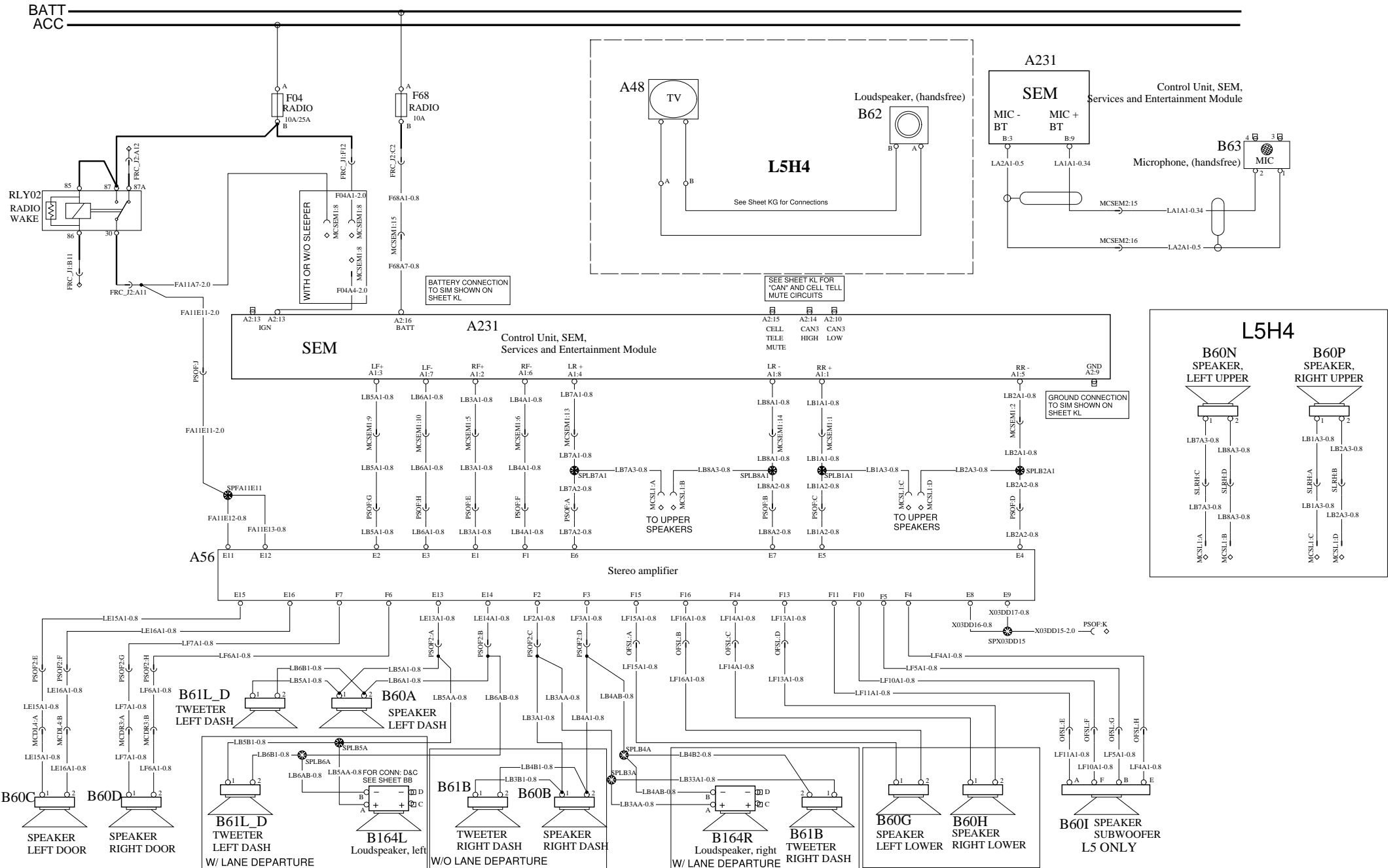
WIRING DIAGRAM: KL

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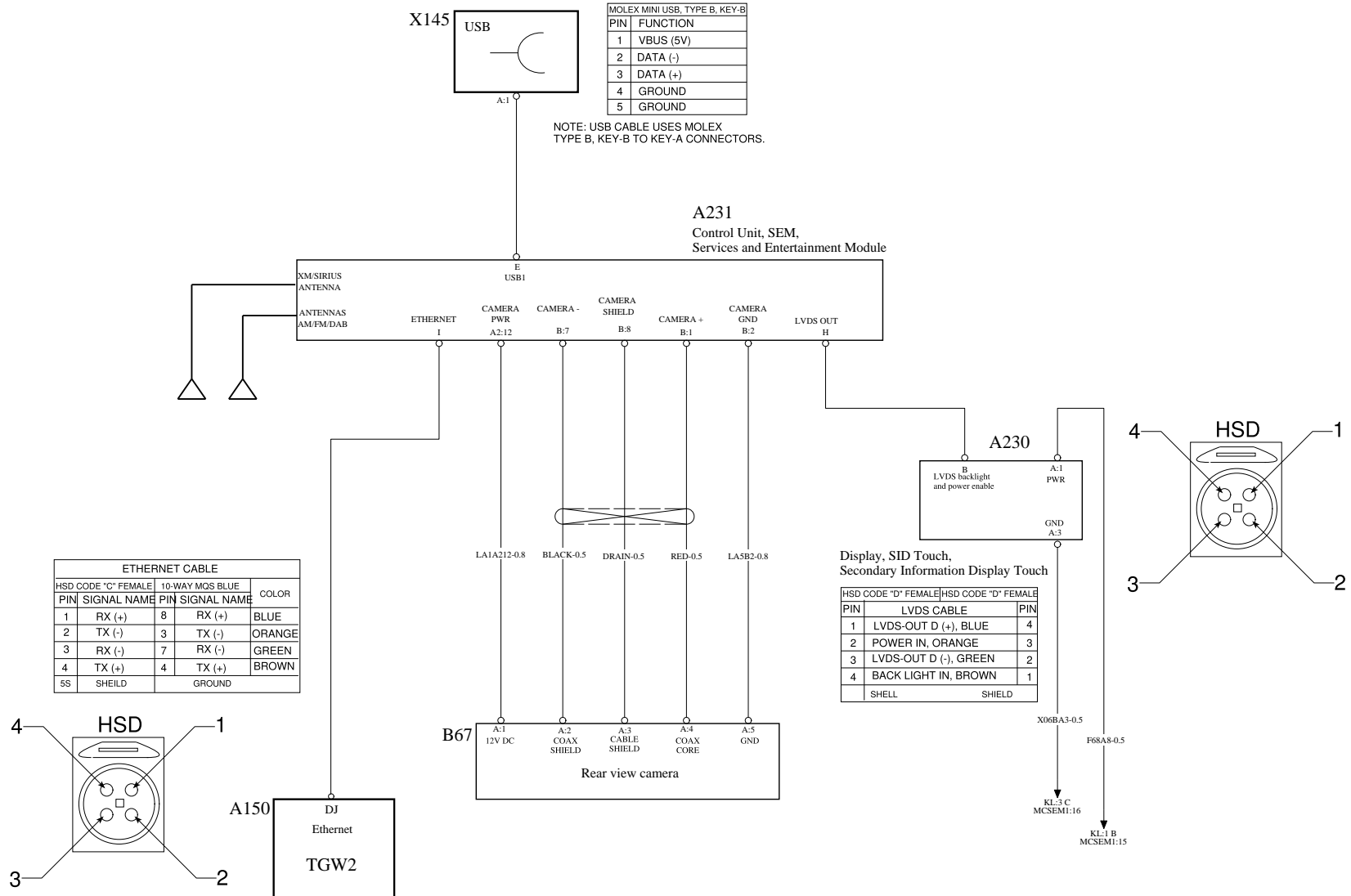


SEM AUDIO UNIT

WIRING DIAGRAM: KN

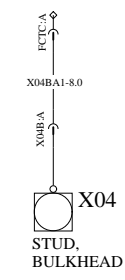
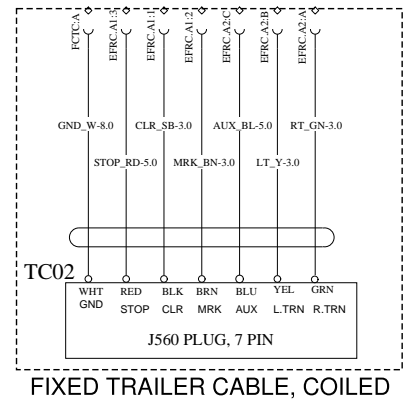
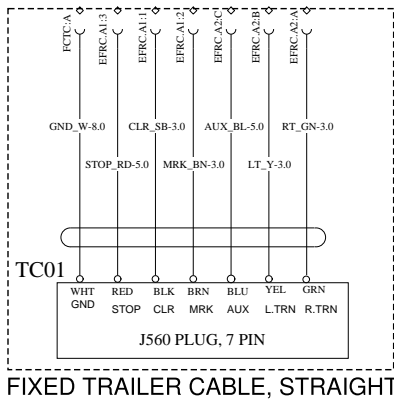
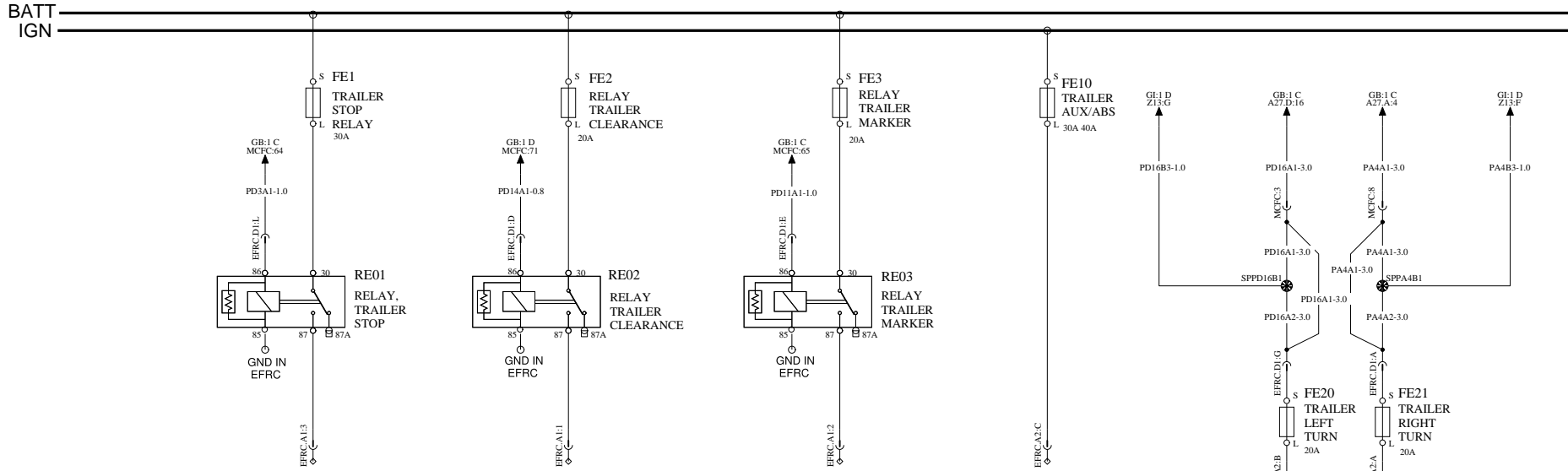


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	WIRING DIAGRAM, 12V SCHEMATIC	23986311	03	1 (1)	99 (113)
	Document type				
	PRODUCT SCHEMATIC				

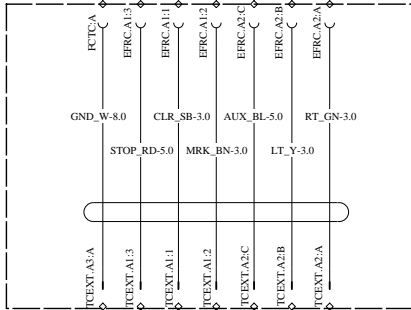


TRAILER CABLE

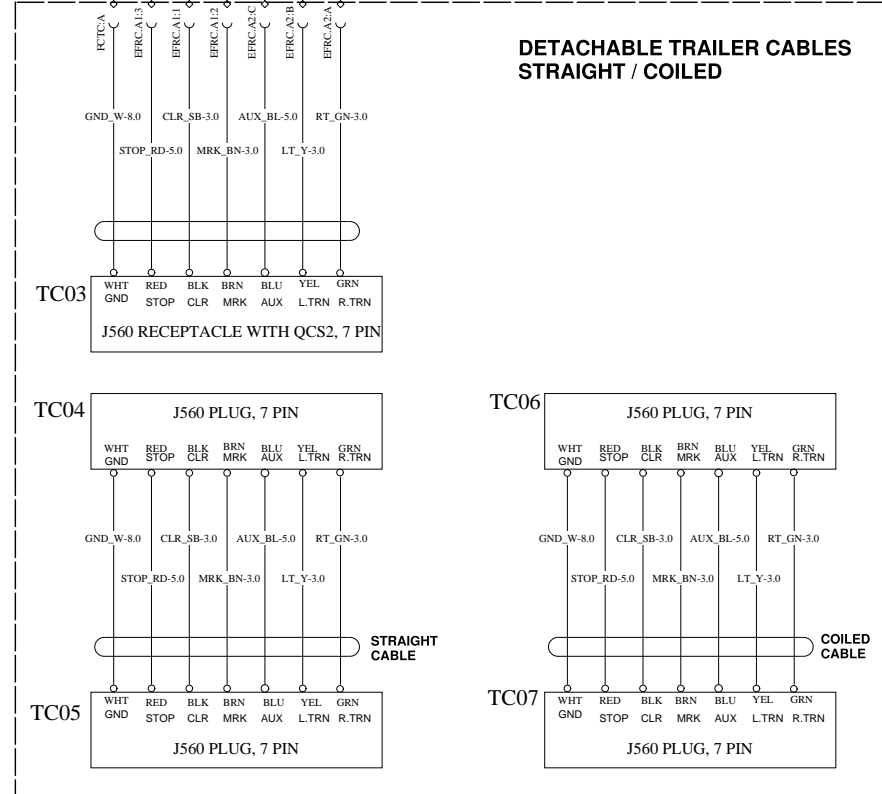
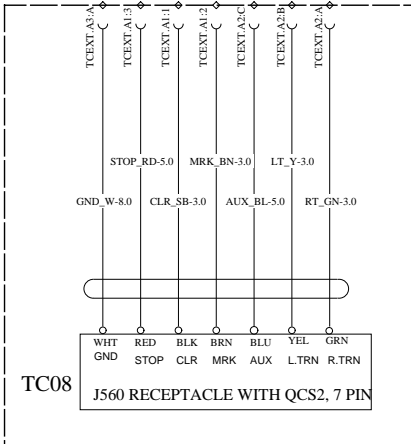
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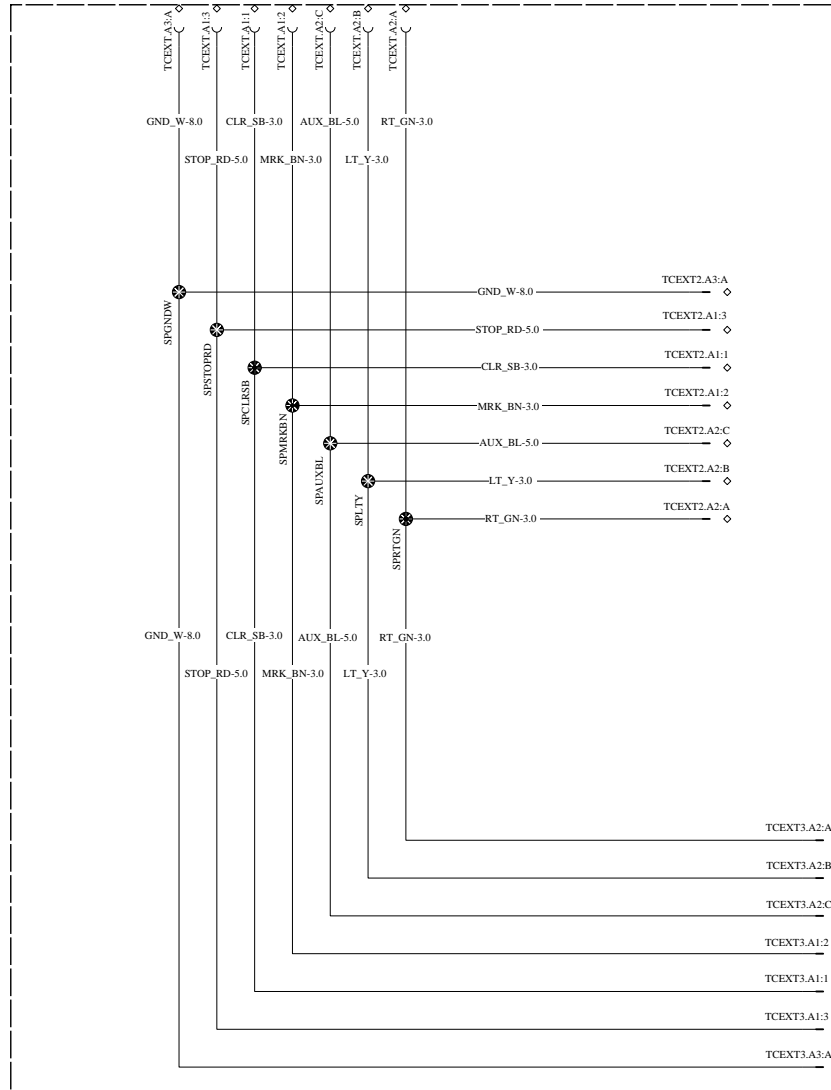
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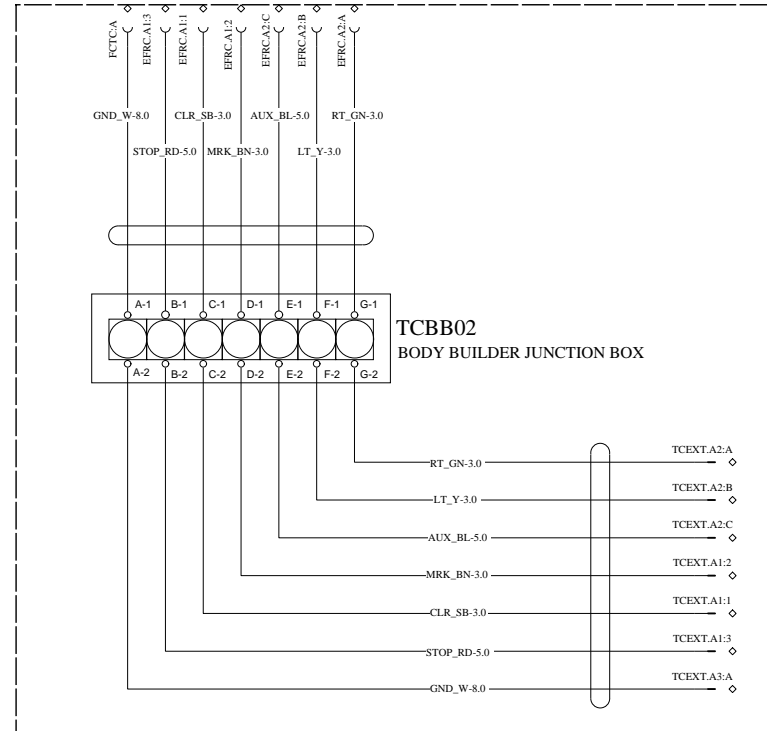
TRAILER CABLE EOF RECEPTACLE



**TRAILER CABLE BODY BUILDER
WYE END OPTION**

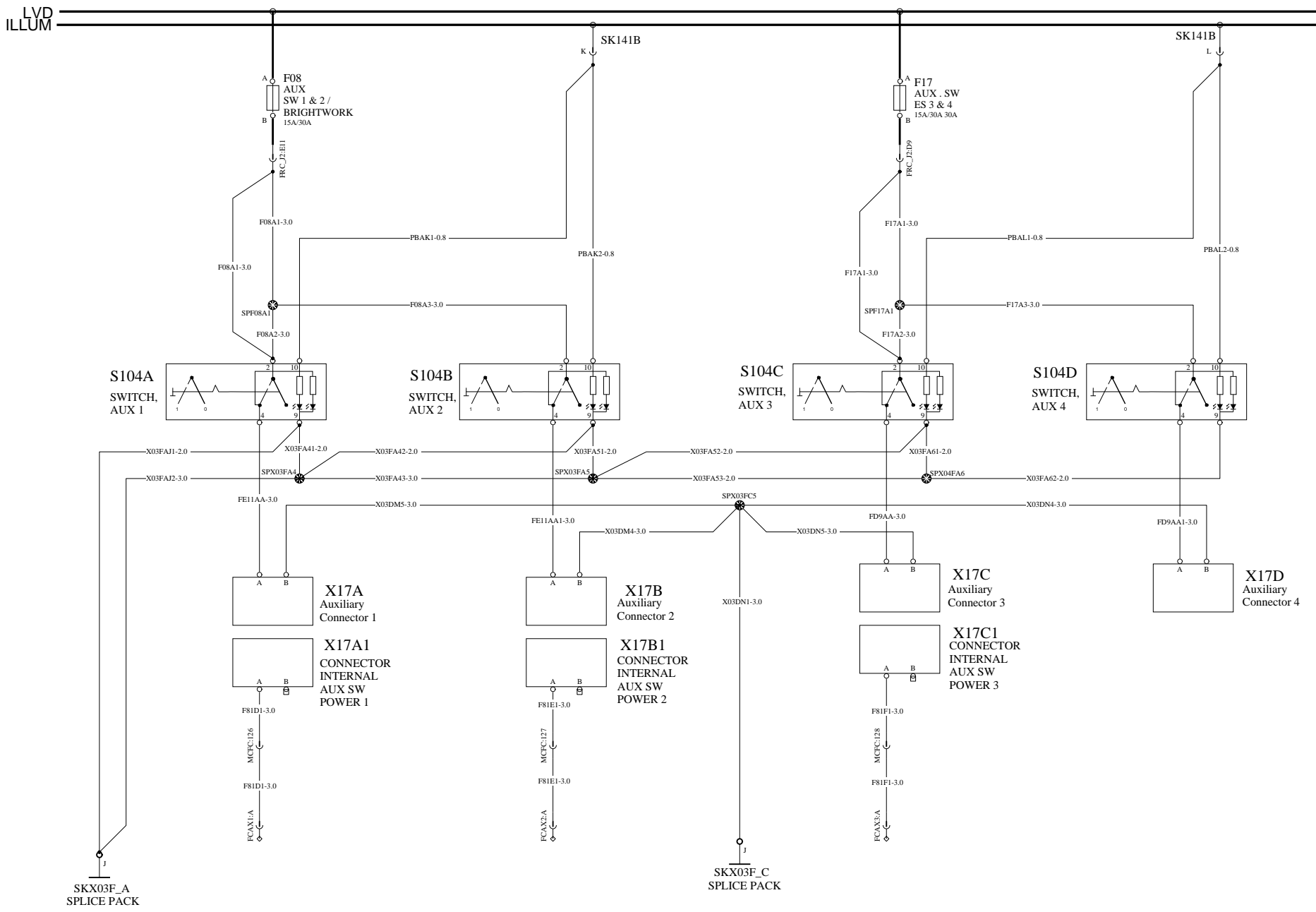


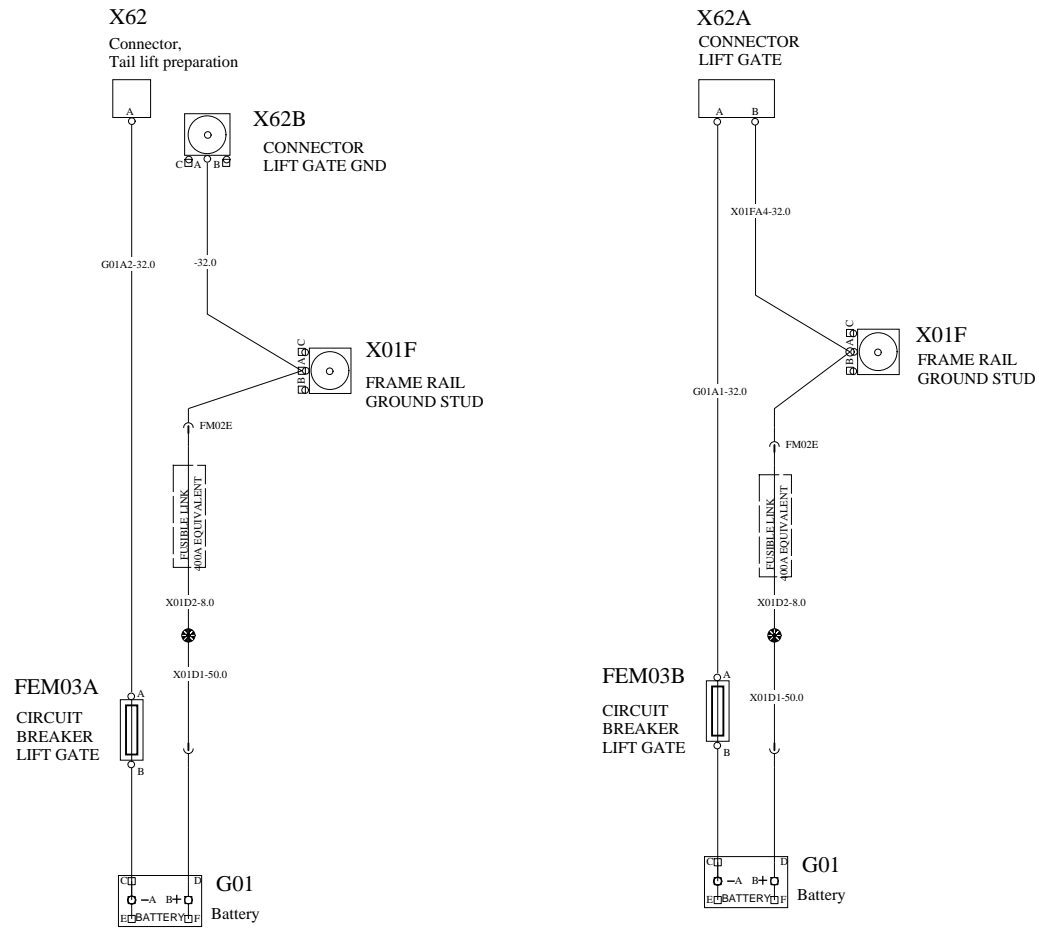
**TRAILER CABLE BODY BUILDER BOX
SINGLE / DUAL CABLES**



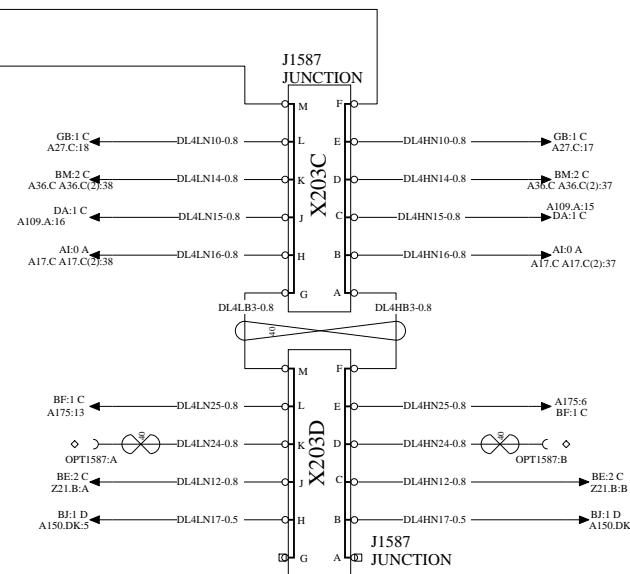
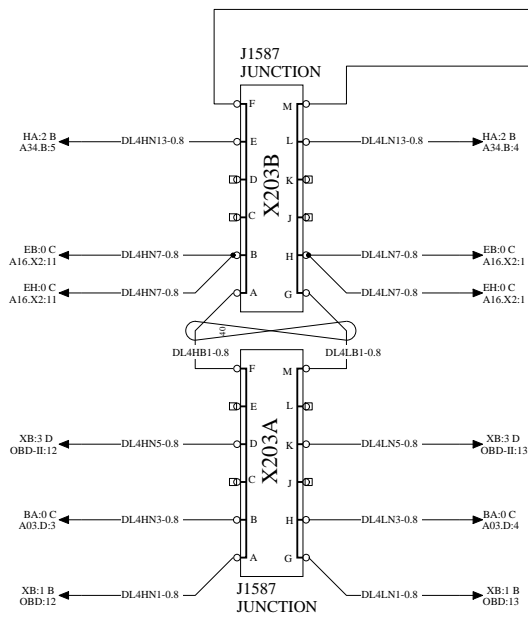
AUXILIARY SWITCHES

WIRING DIAGRAM: NA



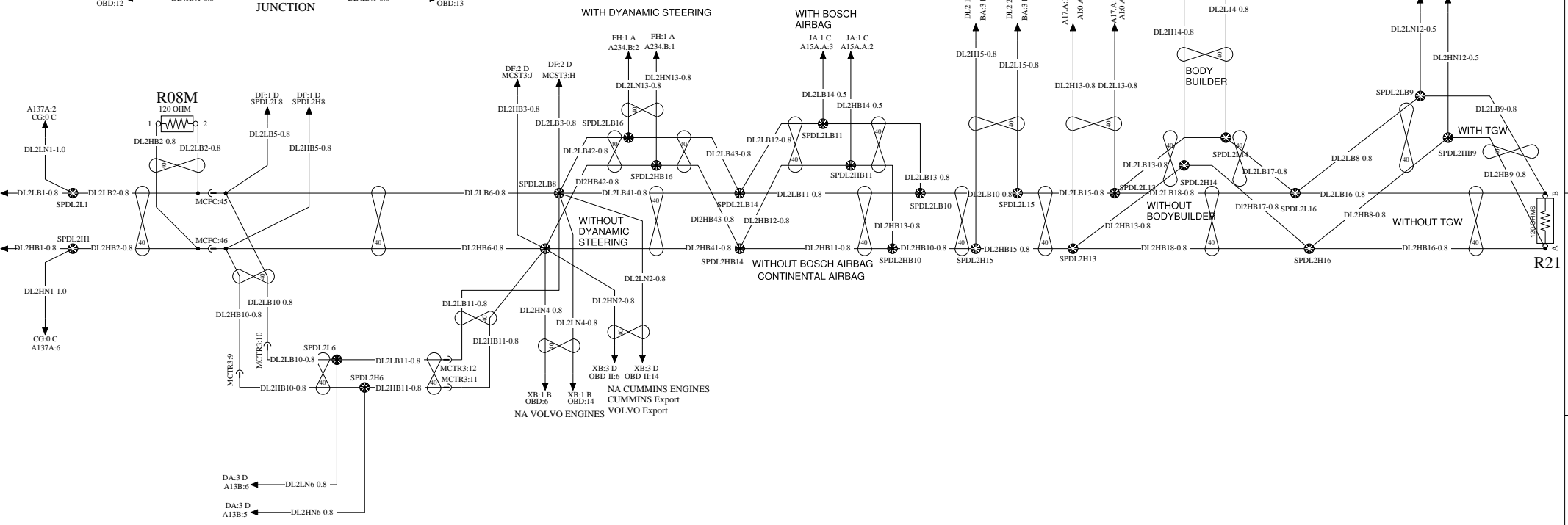


A



B

C

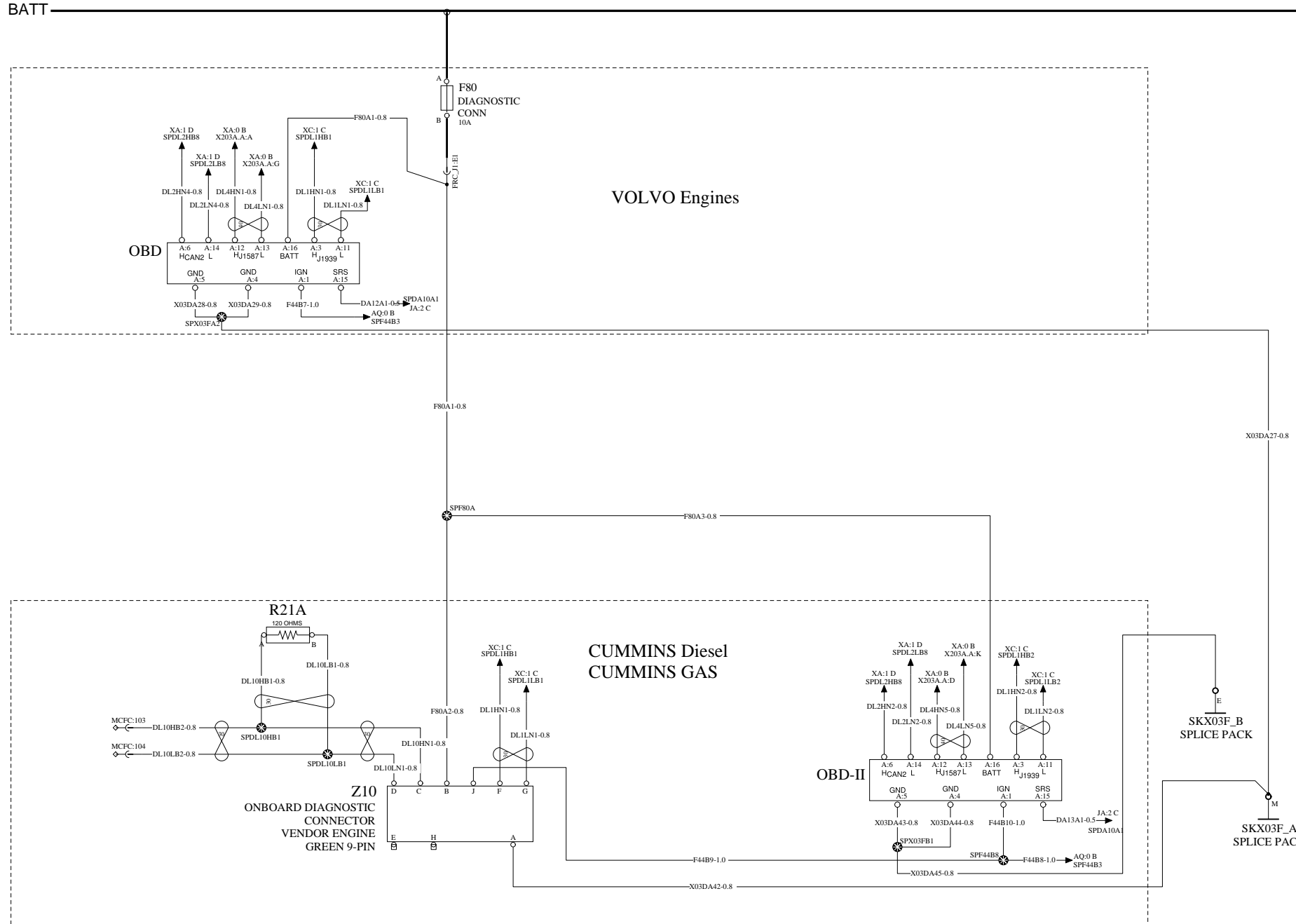


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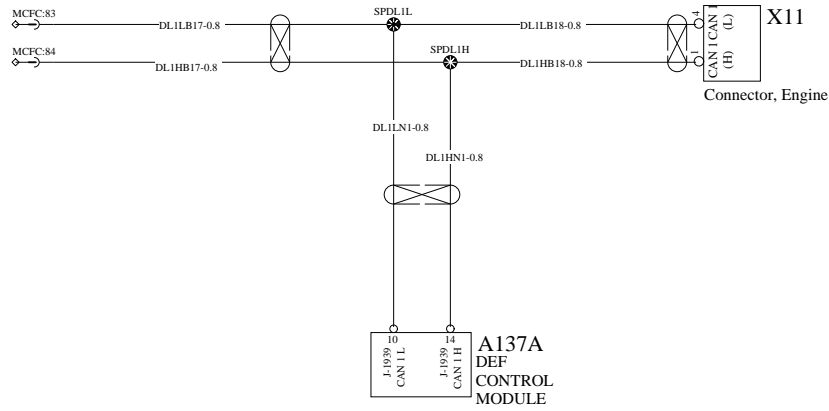
E

DIAGNOSTIC CONNECTOR SCENARIOS

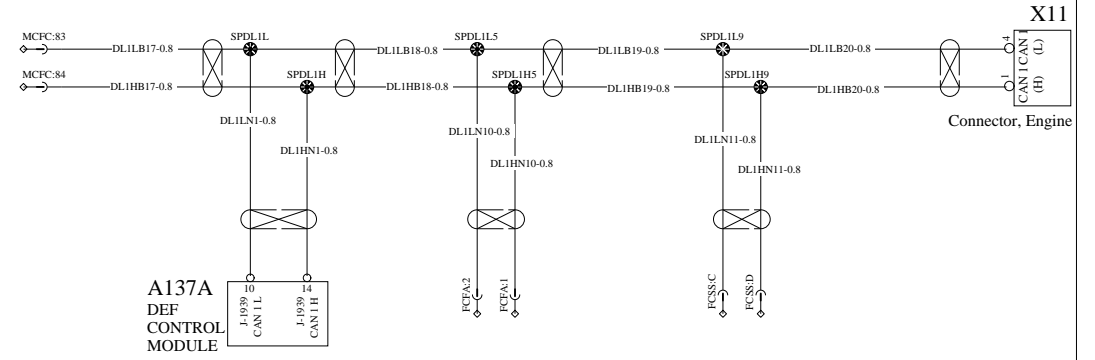
WIRING DIAGRAM: XB



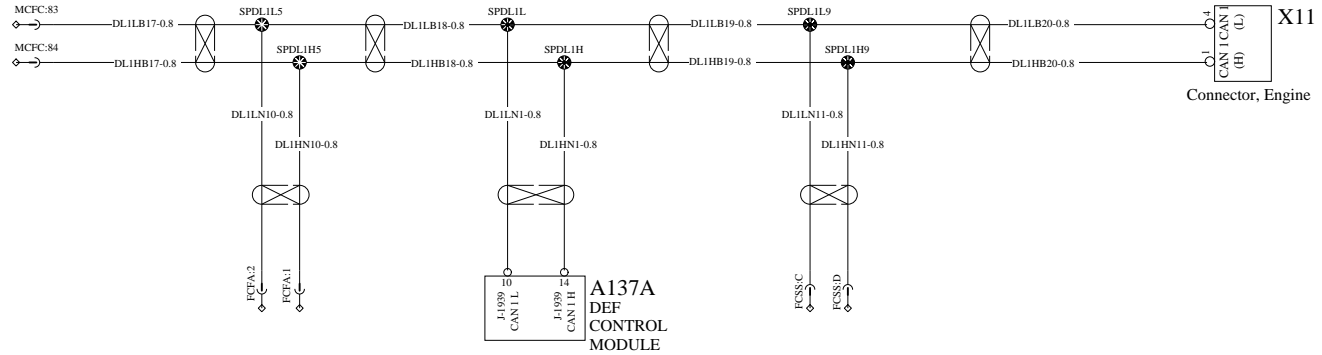
VOLVO BASE (102)



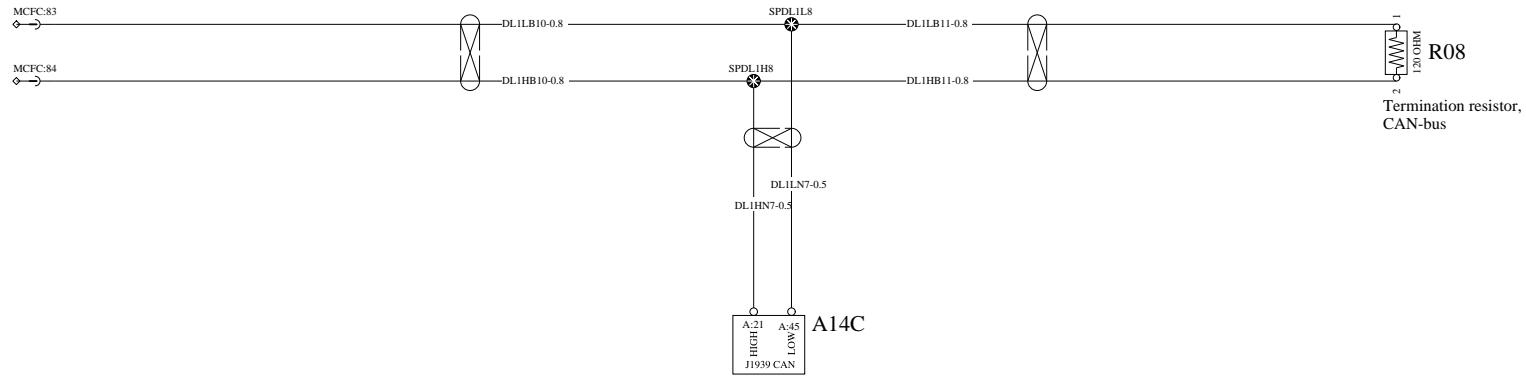
VOLVO BASE WITH CAVS (104)



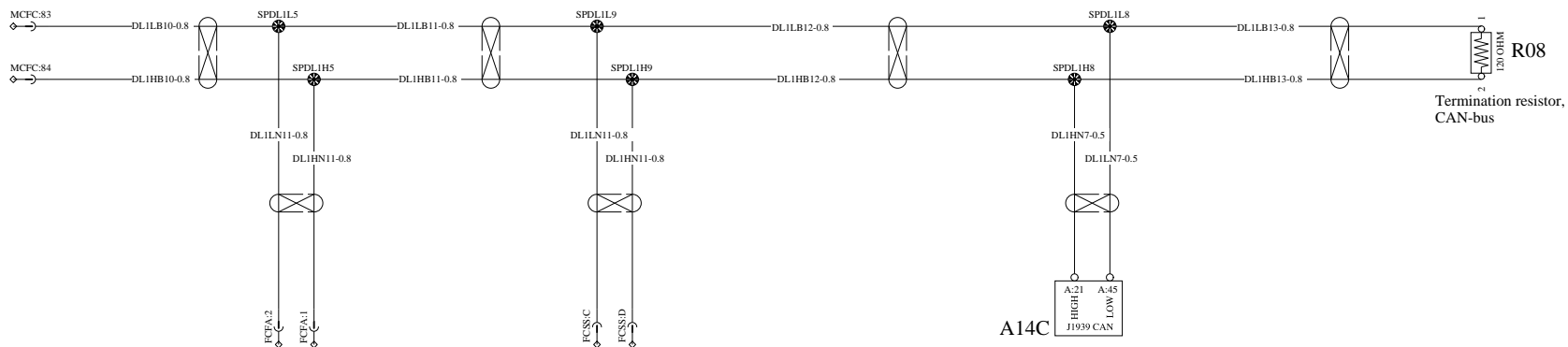
VOLVO BASE WITH CAVS (199)



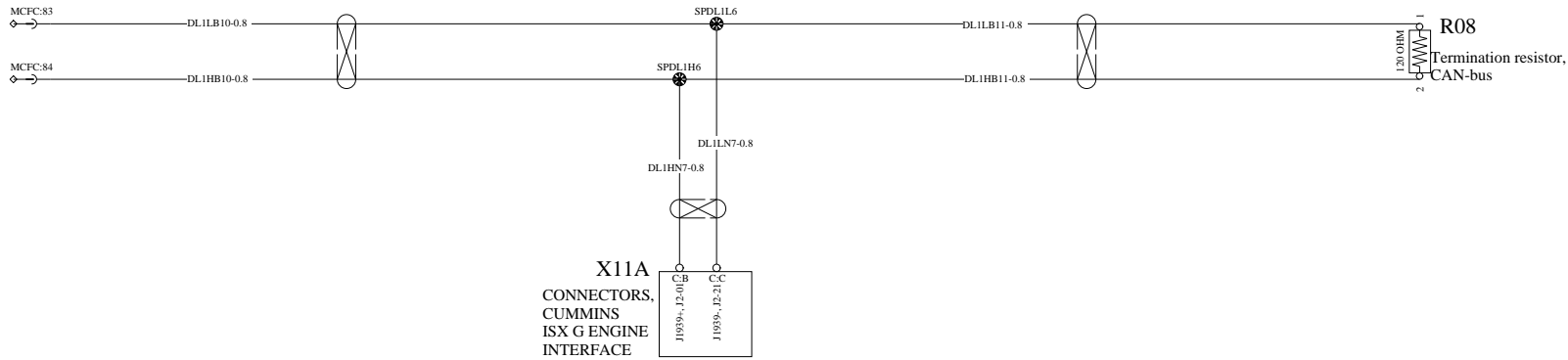
ISX 2017 BASE (110)



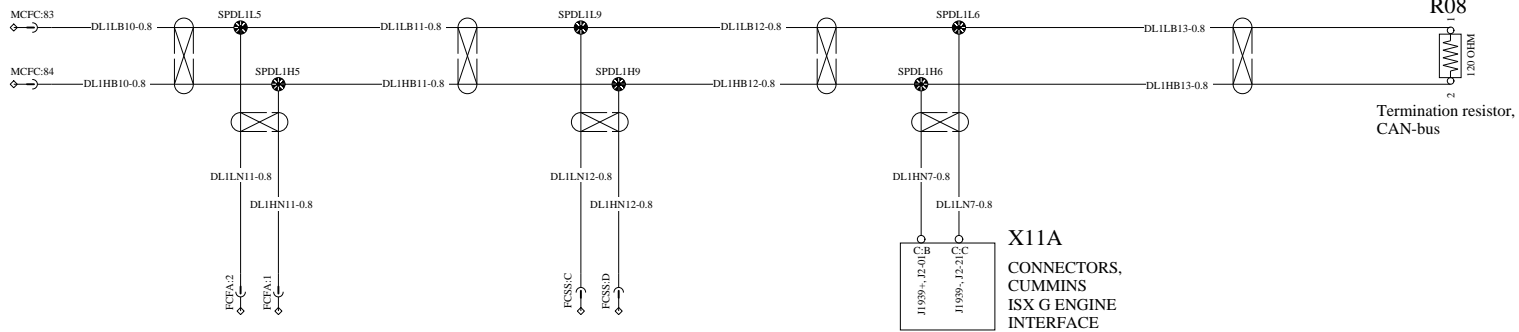
ISX 2017 BASE W/ CAVS (112)

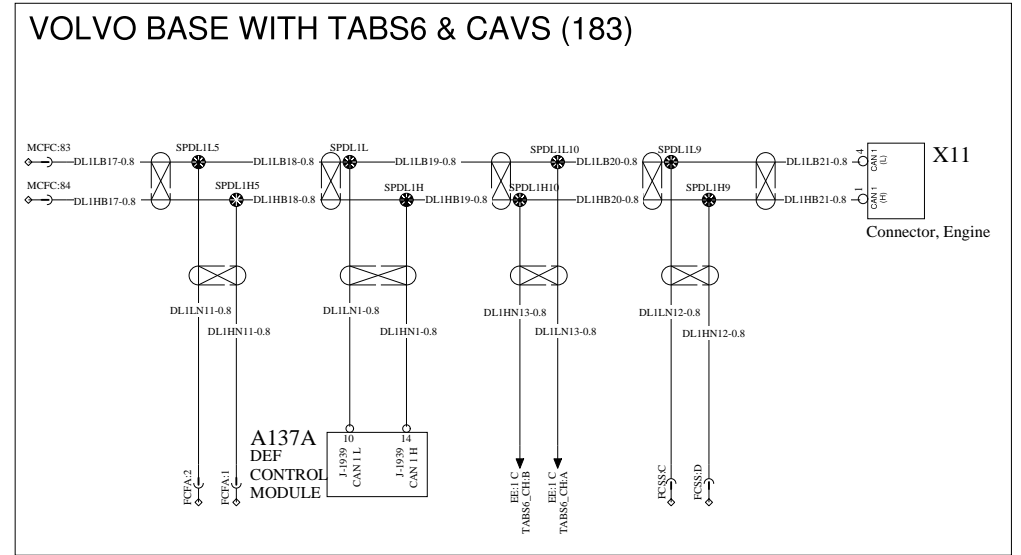
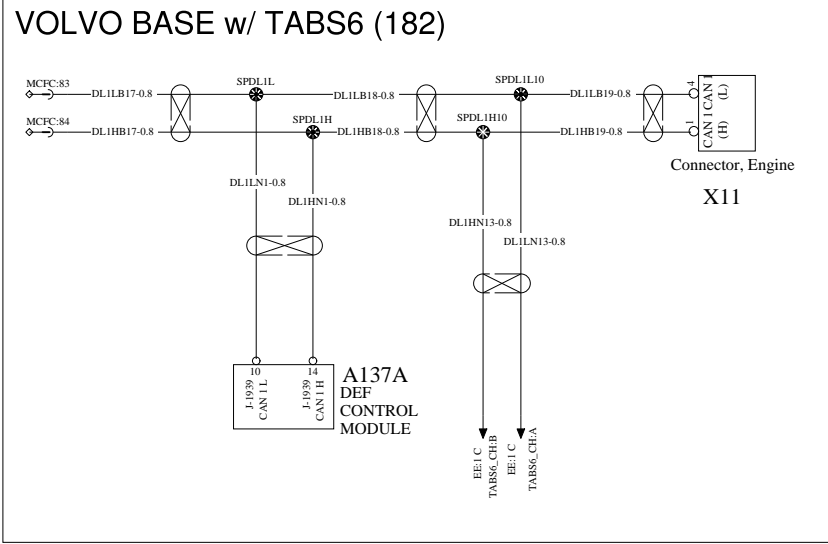


ISX G BASE (106)



ISX G W/ CAVS (108)

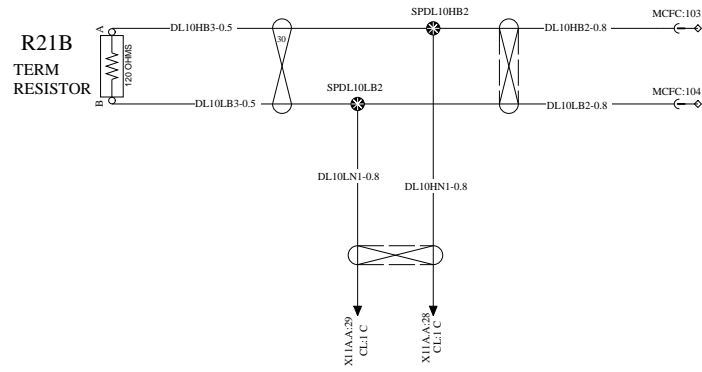




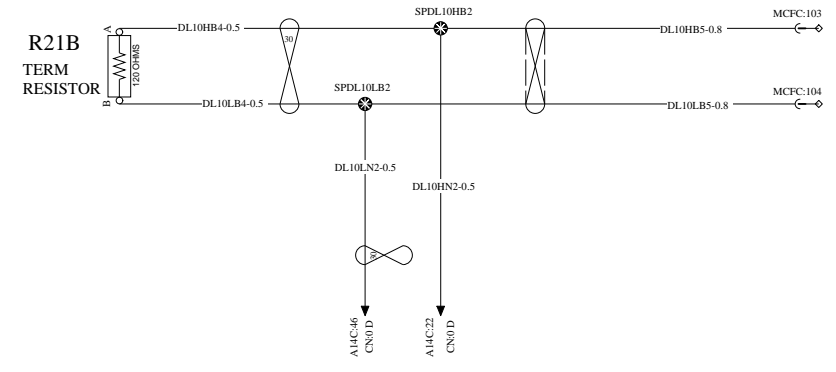
DIAGNOSTICS 4/4 CUMMINS (DL10)

WIRING DIAGRAM : XM

DL10 W/ISX-CNG



DL10 ISX-DIESEL W/O TRAN-EE



DL10 ISX-DIESEL W/ TRAN-EE

