

Engineering Release Notice (ERN)	Location	Change Description	A = Added D = Deleted	W = Was	Document Release Status RELEASED
D-13780-37		SEE DCN			Date 2008-05-15 Modification Count

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VOLVO

Volvo Trucks North America
Volvo Group North America, Inc.

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WIRING DIAGRAM
VN, VHD
US07

Document Type
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Owner Domain: Document Prefix

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CONSEQUENCE CLASS [2] APPLIES TO PROPERTIES NOT MARKED REFERENCE TR 20820037 CIRCUIT NUMBER INFORMATION

ABBREVIATION LIST, 12V

NAME	DEFINITION	NAME	DEFINITION
ABS	ABS HARNESS	MM	MOBILE MAX HARNESS
AD	AIR DRYER	MO	MIRROR OVERLAY
AR	AIR RESTRICTION JUMPER	OB	OVERHEAD BUNK
AX	AUXILIARY SWITCH HARNESS	OCP	OVERCRANK PROTECTION
BB	BODY BUILDER DASH OVERLAY	OF	OVERHEAD FRONT
BC	BRIGHTWORK CHASSIS	OL	MOBILE MAX OVERLAY HARNESS
BD	BRIGHTWORK DOOR	OPT	OPTIONAL DATALINK
BF	BRIGHTWORK FRONT	PL	SNOW PLOW OVERLAY
BL	BEACON LAMPS	PS	PREMIUM SOUND OVERLAY
BOC	BACK OF CAB LAMP JUMPER	PTO	POWER TAKE-OFF
BR	BRIGHTWORK REAR	PW	POWER WINDOW
BS	BRIGHTWORK CAB SKIRT	QC	QUALCOMM
BW	BRIGHTWORK	RA	REAR AXLE
CB	C.B. STUDS JUMPER	RAD	RADIO JUMPER
CE	CHASSIS EXTENSION	RAJ	REAR AXLE JUMPER
CS	CLUTCH SWITCH JUMPER	RF	ROOF SIGN
DC	DOOR	RFJ	ROOF SIGN JUMPER
DL	DOOR - LEFT	RH	REAR WALL HEADER
DLR	DIFFERENTIAL LOCK	RJ	RADIO JUMPER
DPF	DPF JUMPER	RR	ROAD RELAY OVERLAY
DR	DOOR - RIGHT	RS	RADIO SHELF PREP.
DV	DRAIN VALVE - HEATER	RSO	ROOF SIGN OVERLAY
EB	ENGINE BRAKE JUMPER	RW	REAR WALL
EN	ENGINE	RWJ	REAR WALL JUMPER
ES	ELECTRONIC SUSPENSION	SK	SINK/FAUCET PUMP
FA	FRONT ANTENNA (VORAD)	SL	SLEEPER
FC	FRONT CHASSIS	SPJ	SOLENOID PACK JUMPER
FD	FOG AND DRIVING LAMPS	SPO	SNOW PLOW OVERHEAD
FRC	FUSE AND RELAY CENTER	SR	SIDE REPEATER JUMPER
FS	FAN SOLENOID	SS	SIDE SENSOR (VORAD)
HA	HILL ASSIST	ST	SEAT
HL	HEADLIGHT	SV	SUNVISOR
IRIC	INVERTER REMOTE CONTROL	SW	STEERING WHEEL SWITCHES OVERLAY
JRF	ROOF SIGN JUMPER	TBJ	TABLE LAMP JUMPER
JRW	REAR WALL JUMPER	TE	TAIL LIGHT EXTENSION
LA	LIFT AXLE OVERLAY	TL	TAIL LIGHT
LJ	LAMP JUMPER	TLK	TOUCH LOCK OVERLAY
LK	DOOR LOCK OVERLAY	TR	TRANSMISSION
MC	MAIN CAB	TT	TRAILER AUX
MF	MICROPHONE DASH	US	ULTRASHIFT
MI	MARKER INTERRUPT	VA	REAR WALL VALANCE
MIC	MICROPHONE OVERHEAD	VE	VORAD/ECS/ACC OVERLAYS
MJ	MIRROR JUMPER	VL	OVERLAY
ML	MIRROR TURN SIGNAL	WB	WASHER BOTTLE
MLX	HOOD MARKER LPS. HARNESS		

Inline connectors are named by combining a set of Harness Abbreviations. The first Abbreviation will represent the feeding harness. In some cases, there is more than one connector between two harnesses. In this case a number is added to the end of the set of Harness Abbreviations.

Example:

MCSL2:3 (Main Cab and Sleeper Harness Inline, Connector 2, Pin 3)

MCSL4:C (Main Cab and Sleeper Harness Inline, Connector 4, Pin C)

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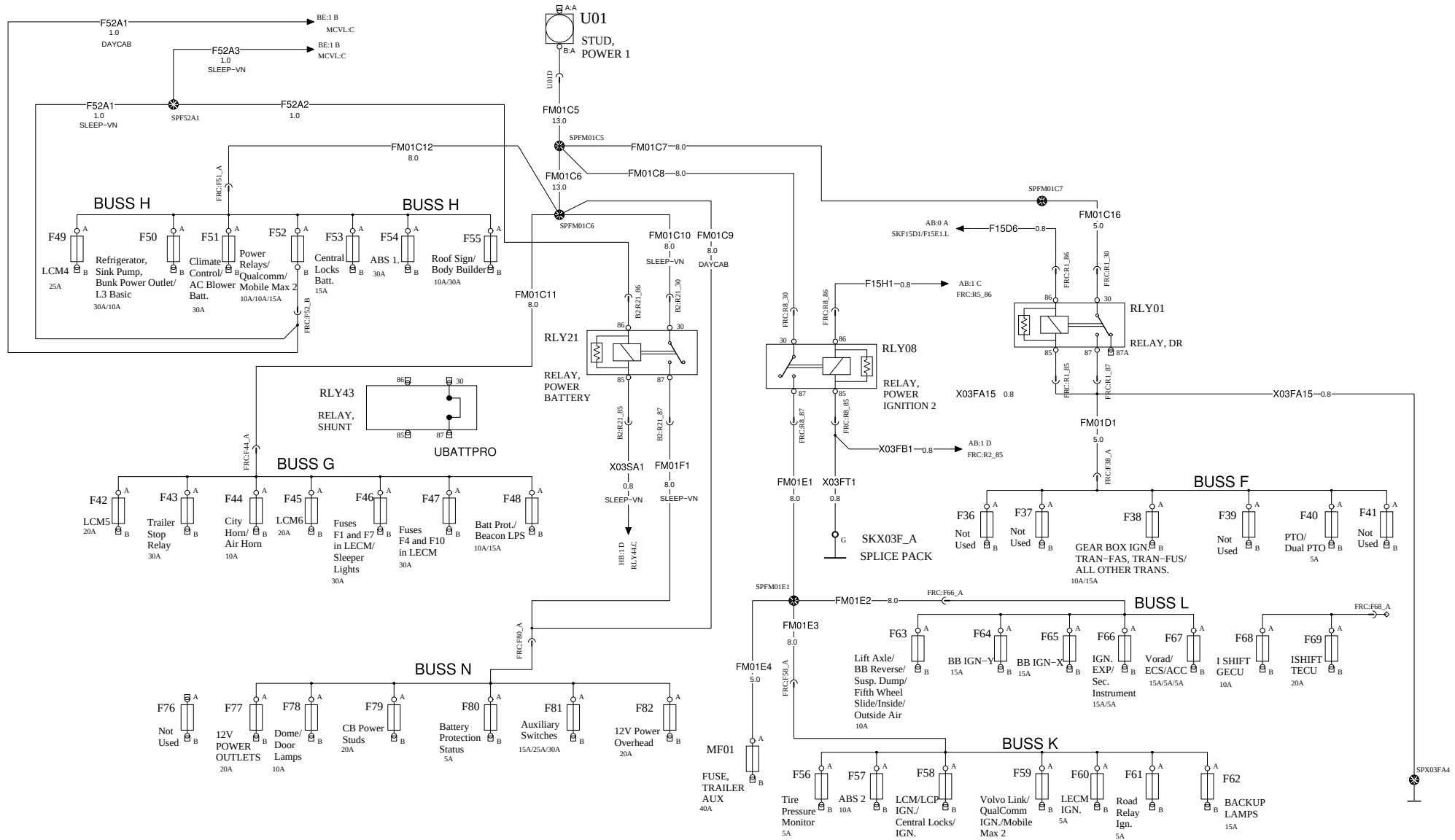
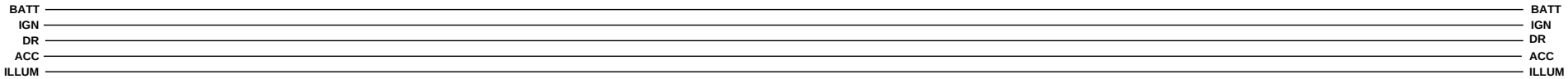
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POWER SUPPLY AND CIRCUIT PROTECTION 1/2

WIRING DIAGRAM : AA



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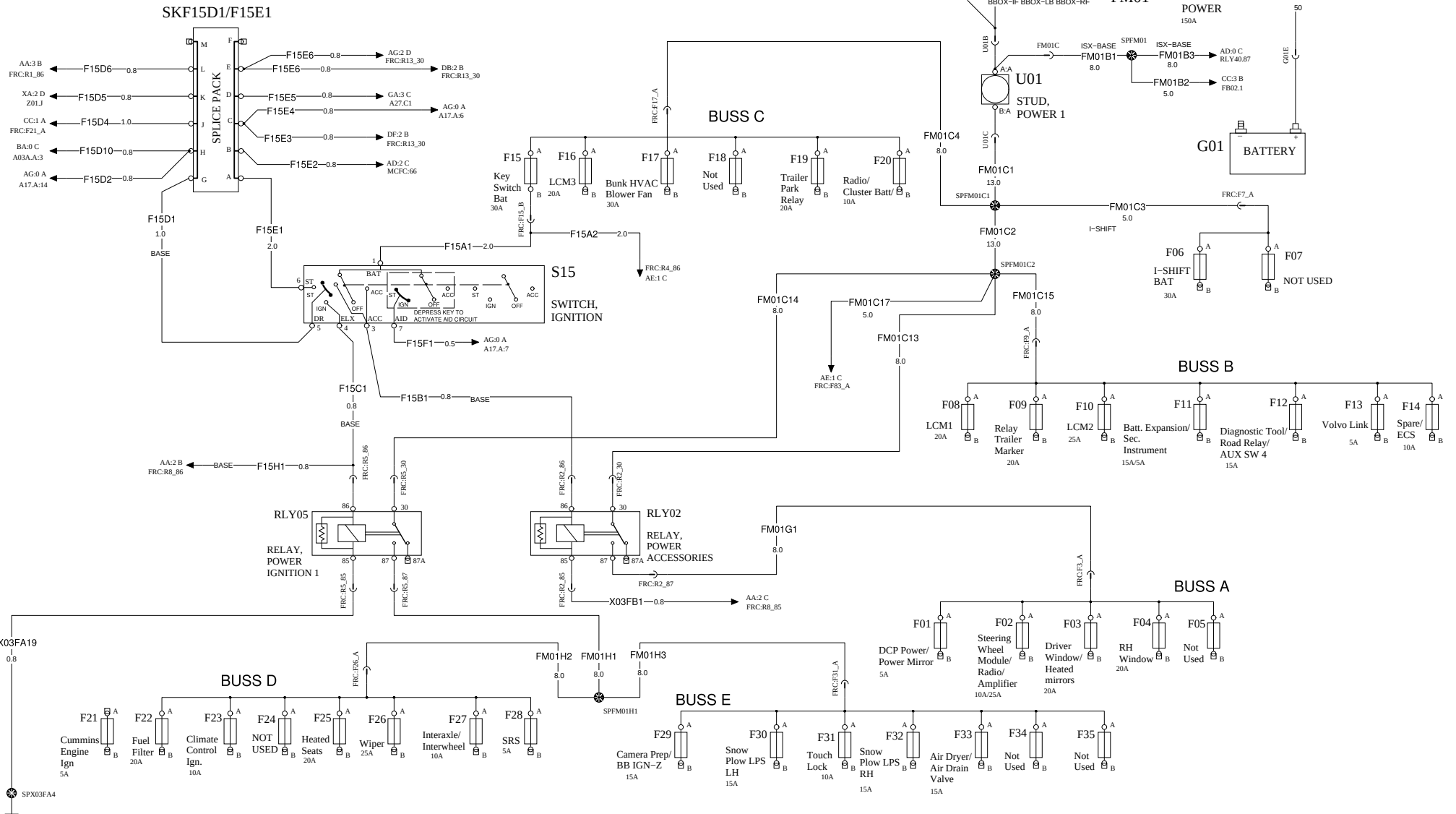
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POWER SUPPLY AND CIRCUIT PROTECTION 2/2

WIRING DIAGRAM : AB

BATT
IGN
DR
ACC
ILLUM



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GROUNDING

WIRING DIAGRAM : AC

BATT
IGN
DR
ACC
ILLUM

A

A

B

B

C

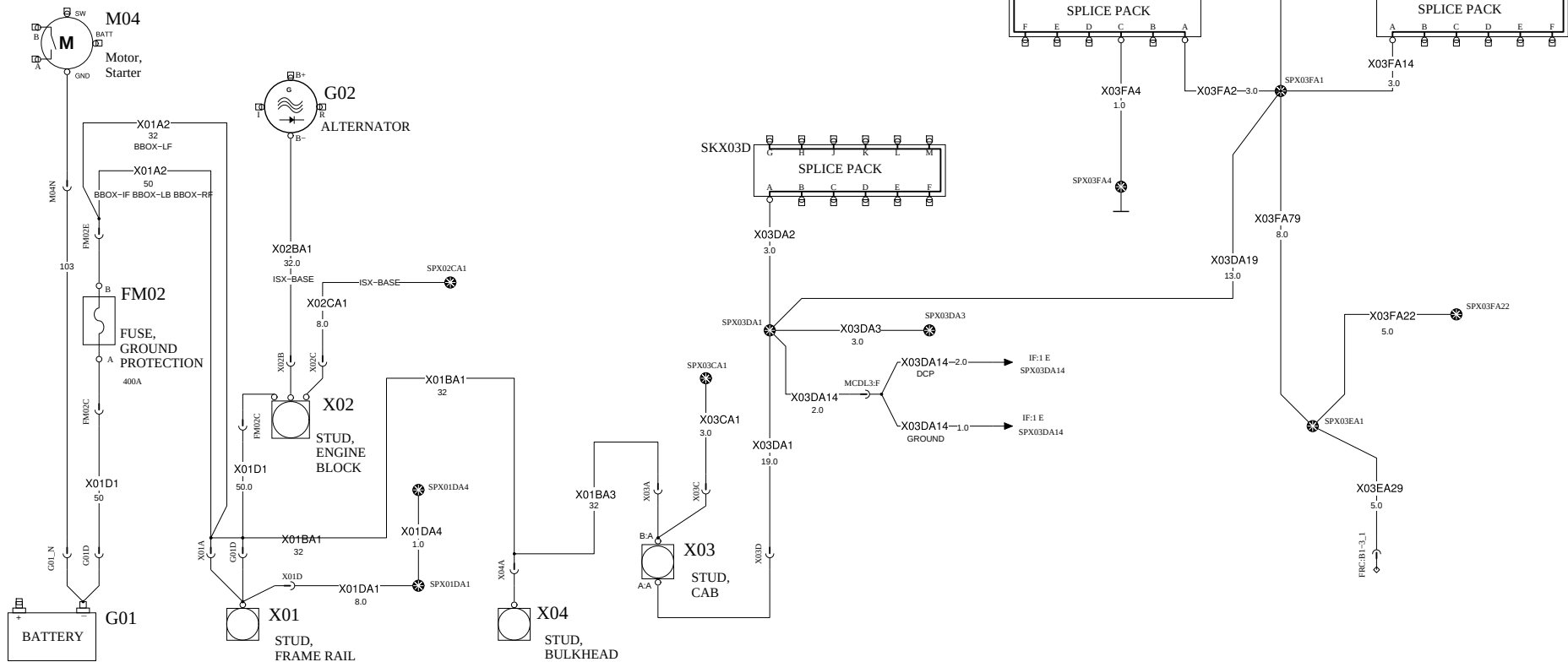
C

D

D

E

E



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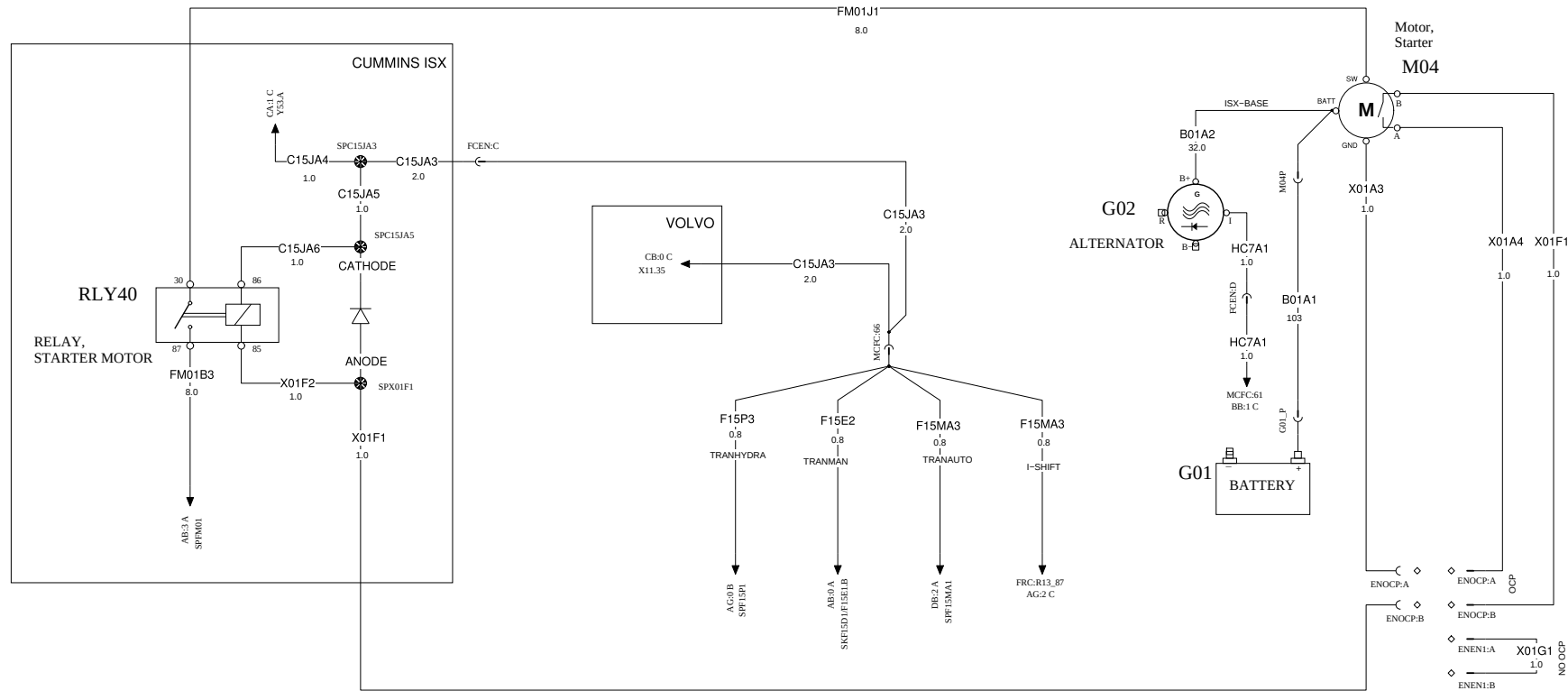
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STARTING AND CHARGING

WIRING DIAGRAM : AD

BATT
IGN
DR
ACC
ILLUM

BATT
IGN
DR
ACC
ILLUM



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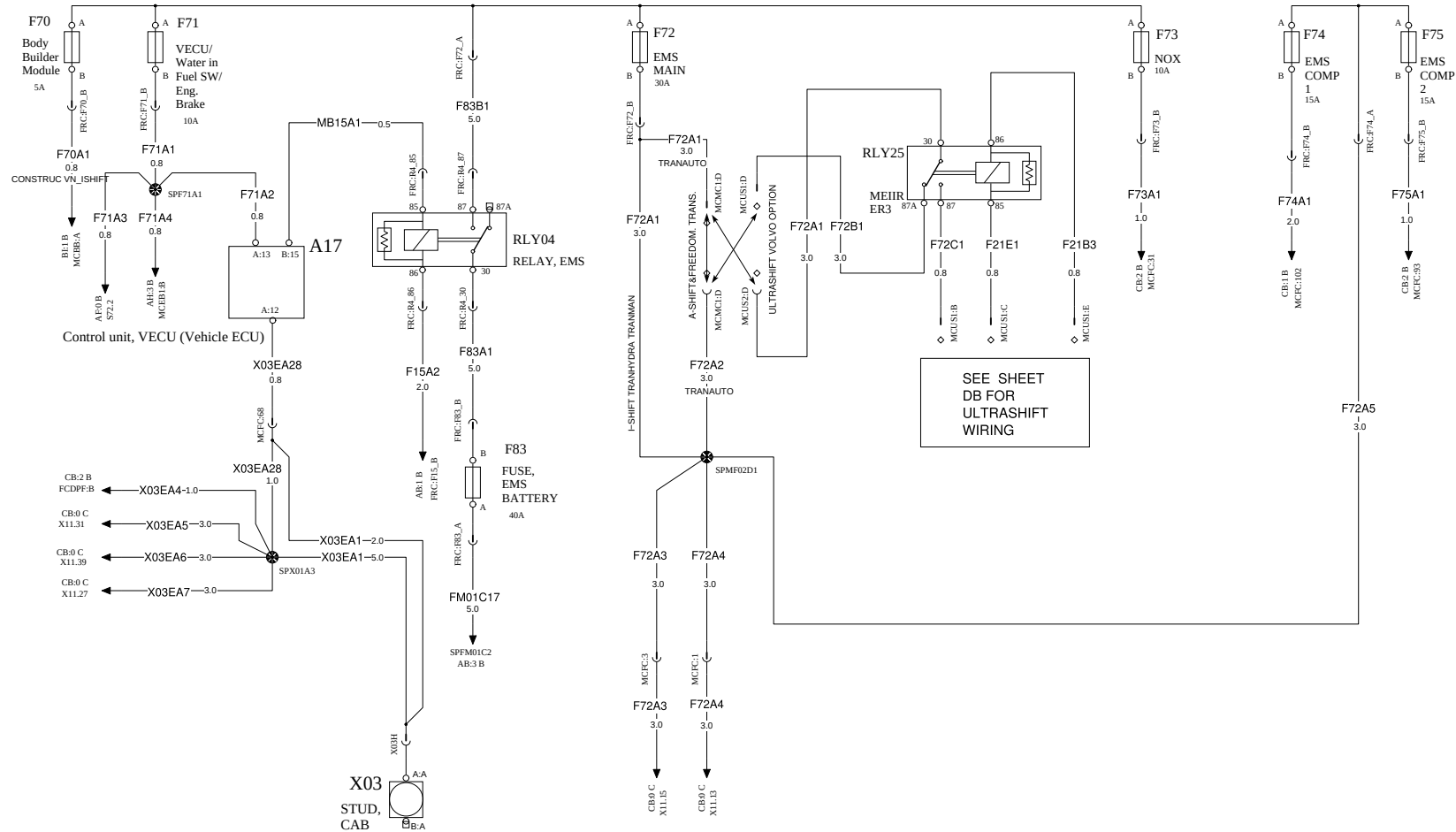
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VEHICLE ECU 1/4 EMS POWER CONTROL

WIRING DIAGRAM : AE

BATT
IGN
DR
ACC
ILLUM



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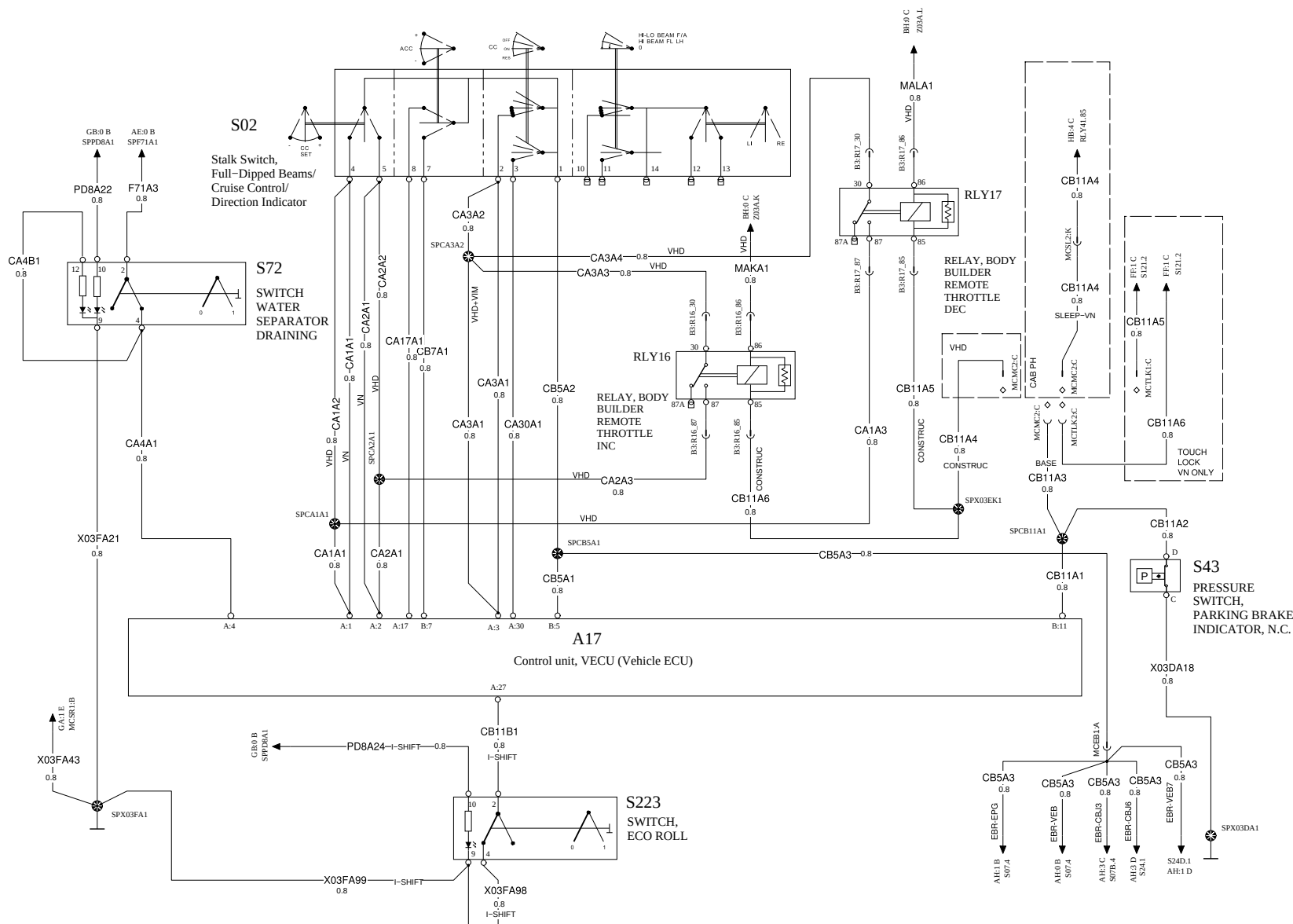
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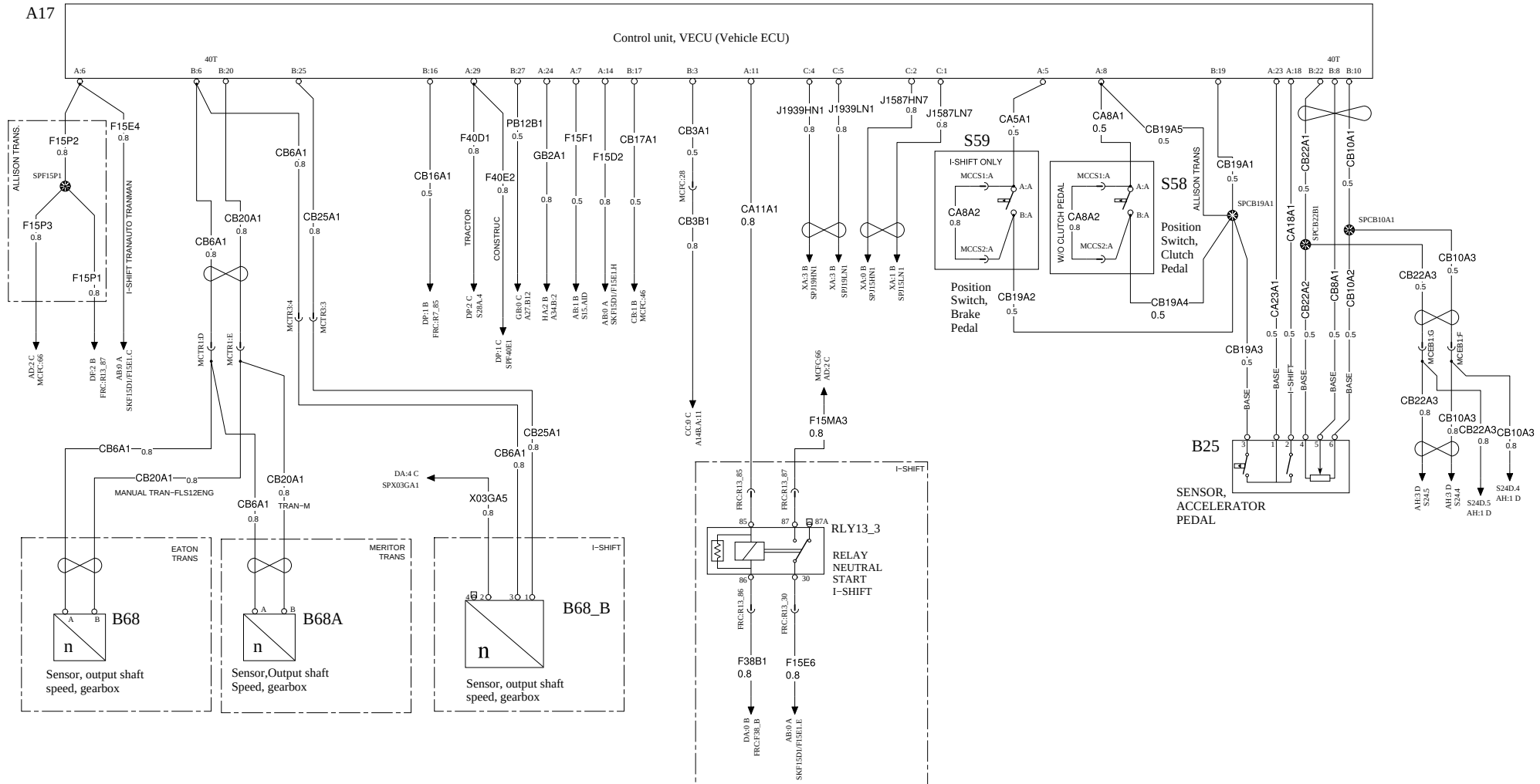
BATT	_____	BATT
IGN	_____	IGN
DR	_____	DR
ACC	_____	ACC
ILLUM	_____	ILLUM



BATT
IGN
DR
ACC
ILLUM

BATT
IGN
DR
ACC
ILLUM

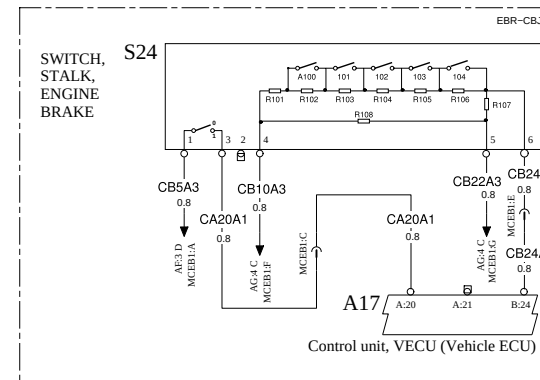
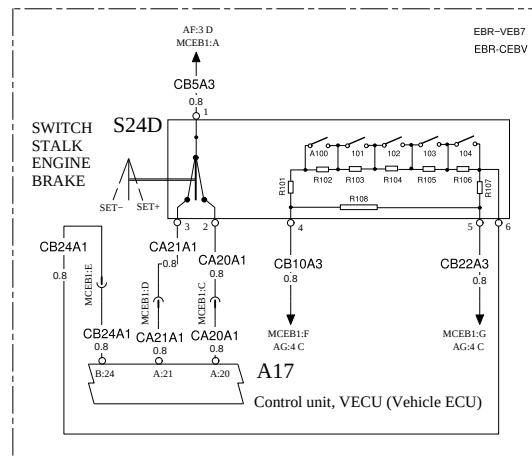
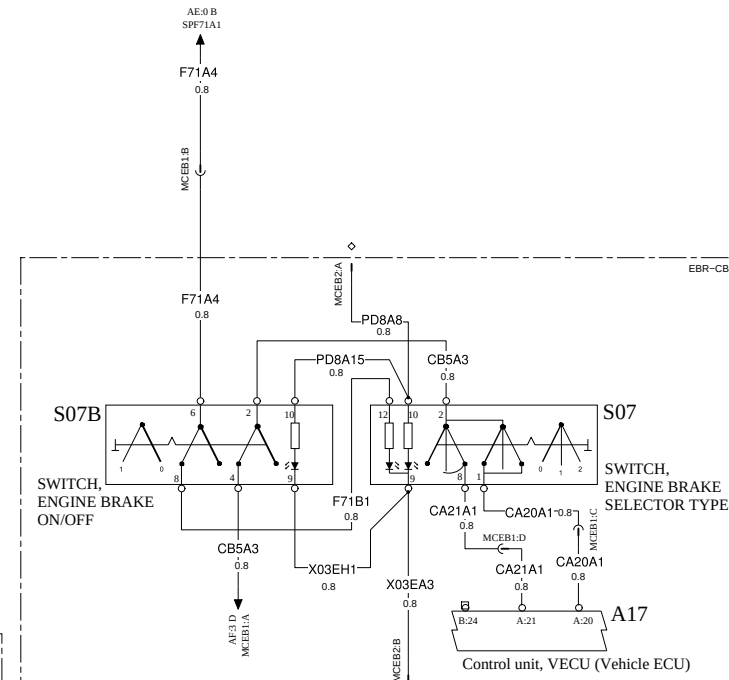
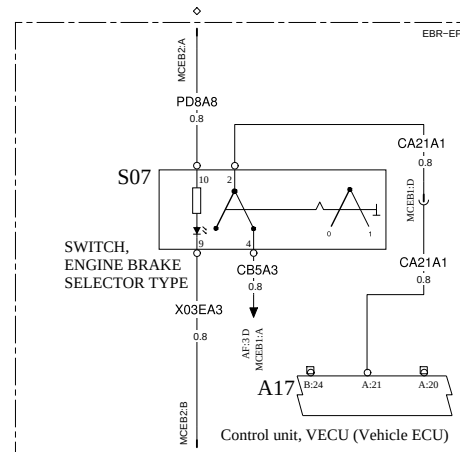
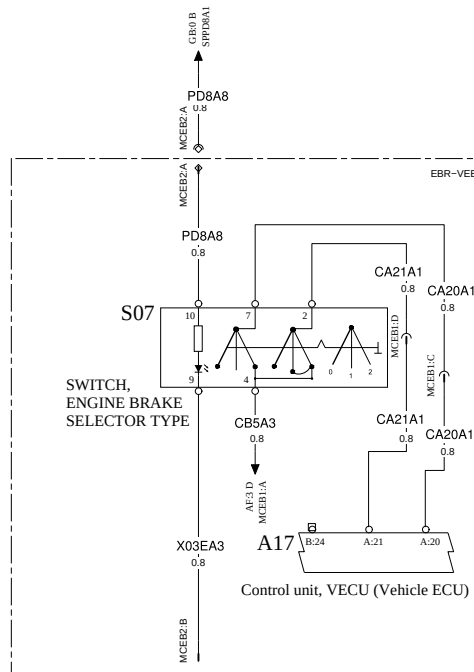
POWER SUPPLY ON SHEET AE



VEHICLE ECU4/4 ENGINE BRAKE SWITCHES

WIRING DIAGRAM : AH

BATT	_____	BATT
IGN	_____	IGN
DR	_____	DR
ACC	_____	ACC
ILLUM	_____	ILLUM



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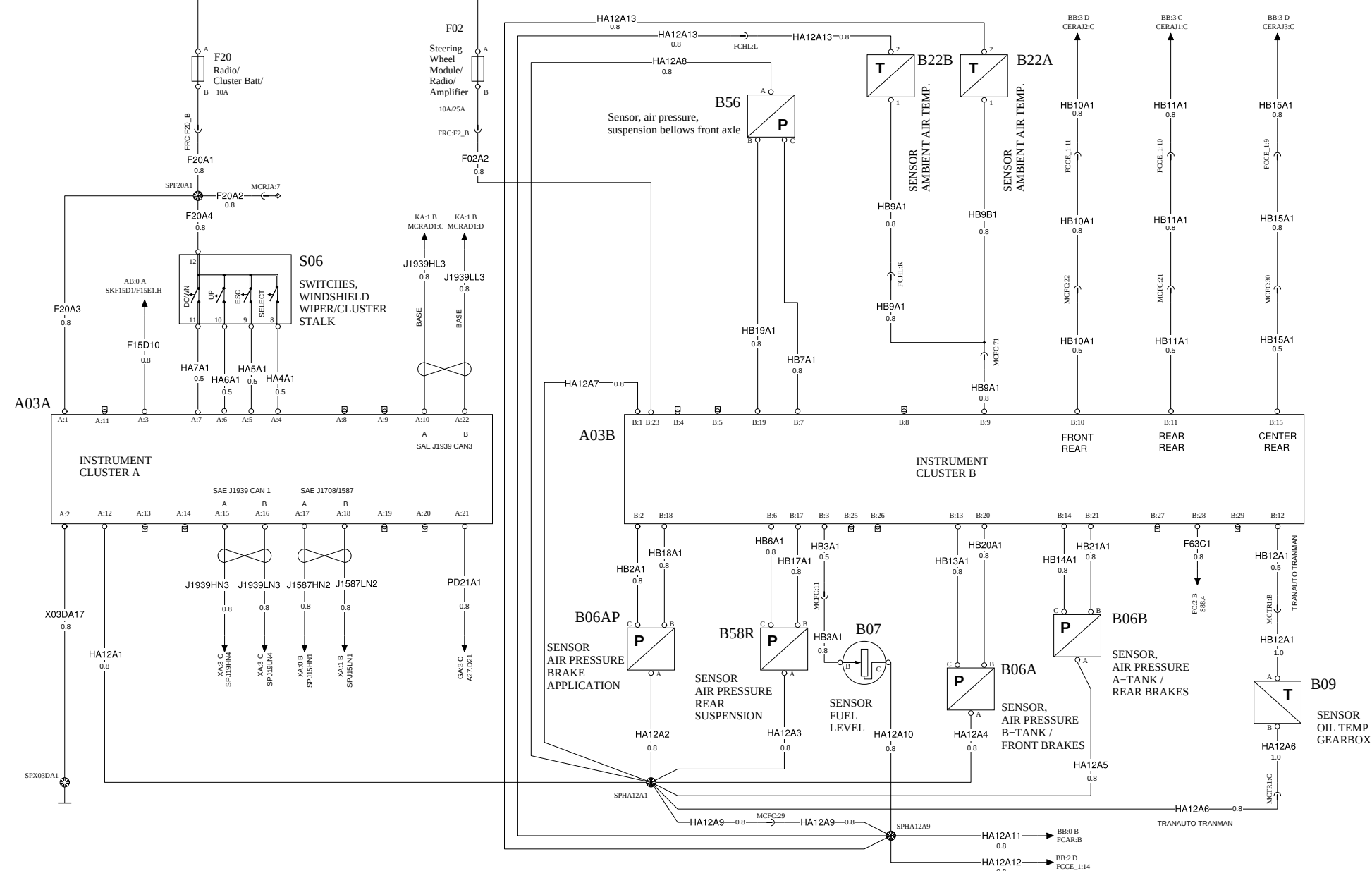
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INSTRUMENTATION CLUSTER A / B

WIRING DIAGRAM : BA

BATT
IGN
DR
ACC
ILLUM



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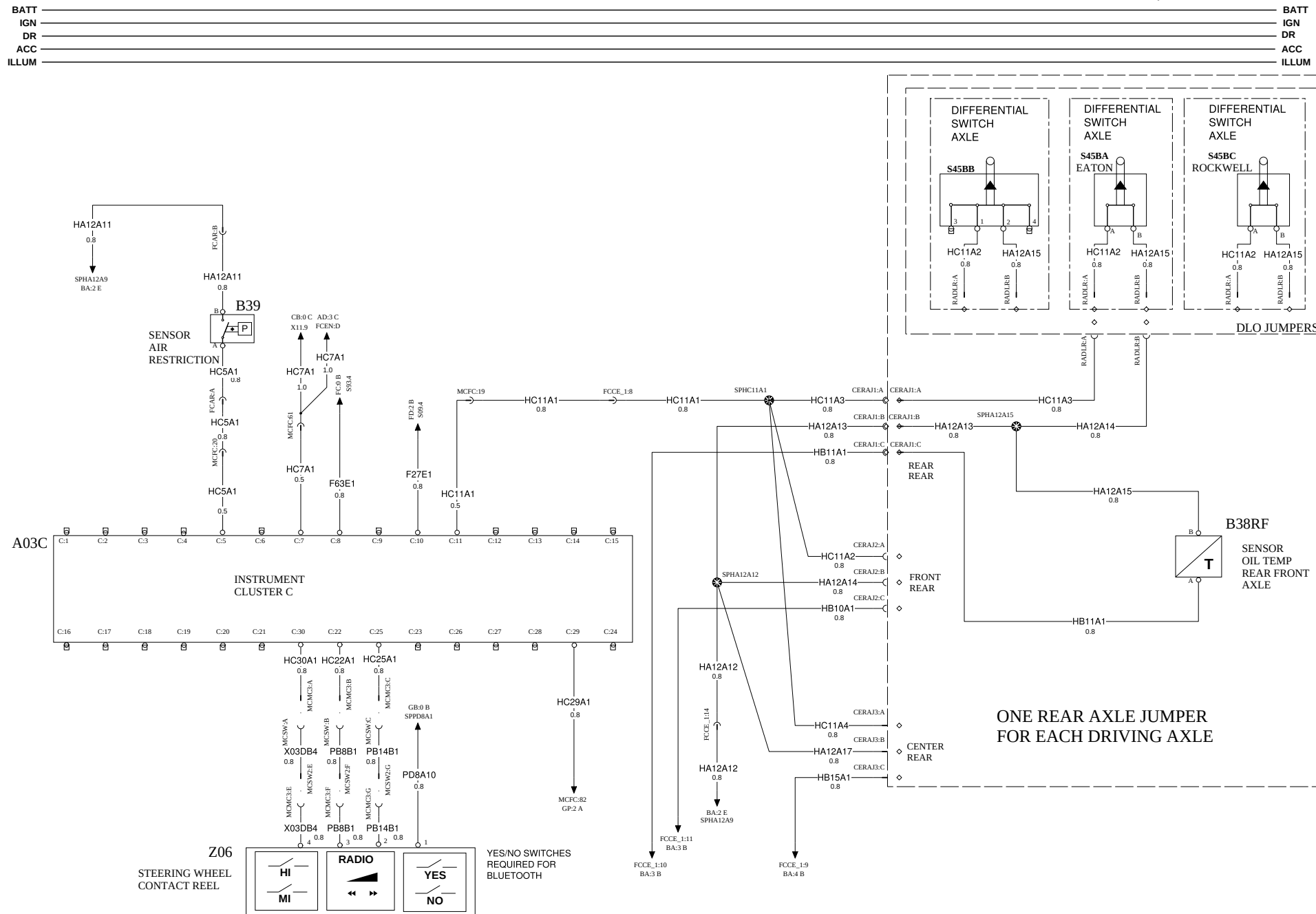
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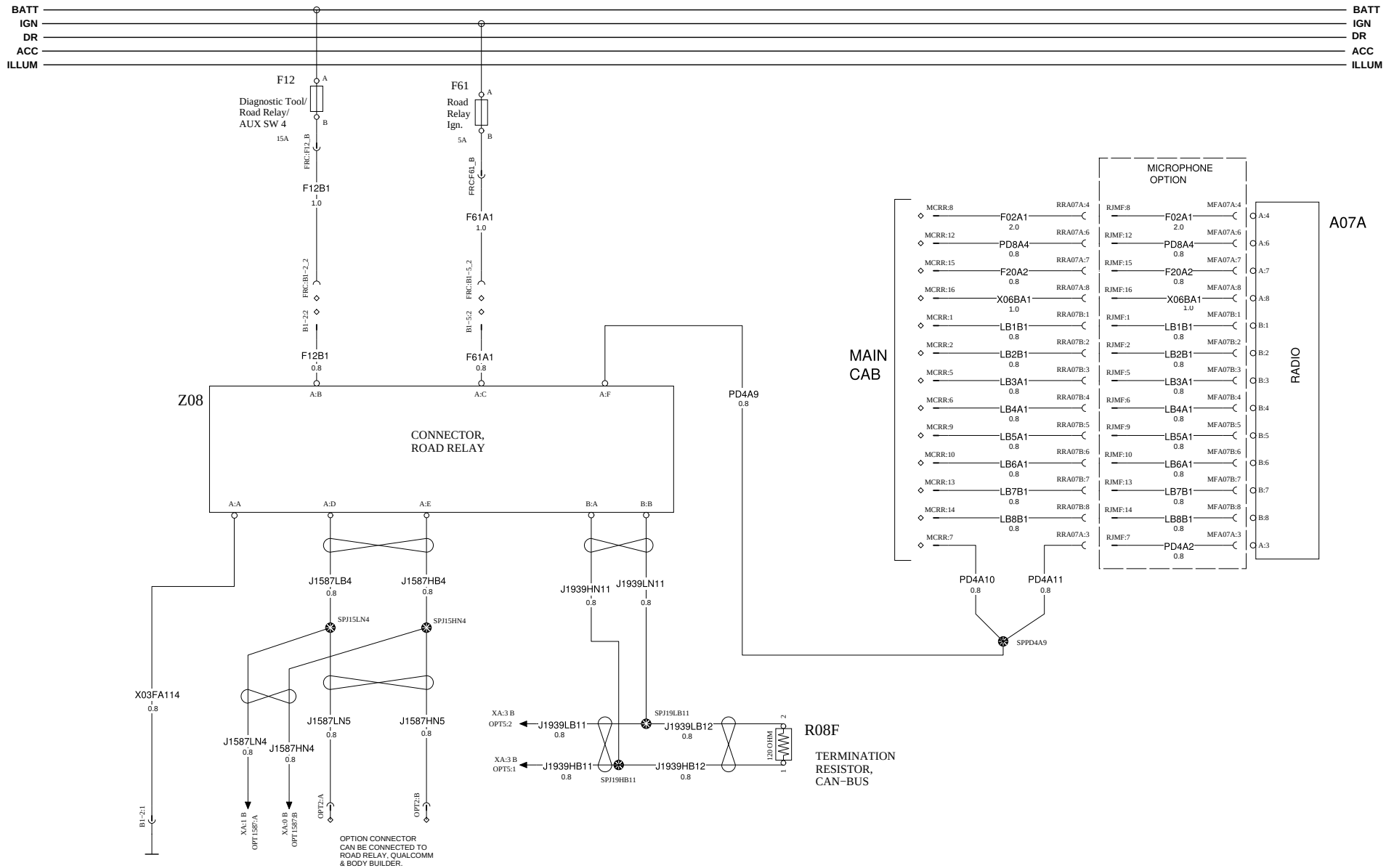
INSTRUMENTATION CLUSTER C

WIRING DIAGRAM : BB



INSTRUMENTATION ROAD RELAY

WIRING DIAGRAM : BC

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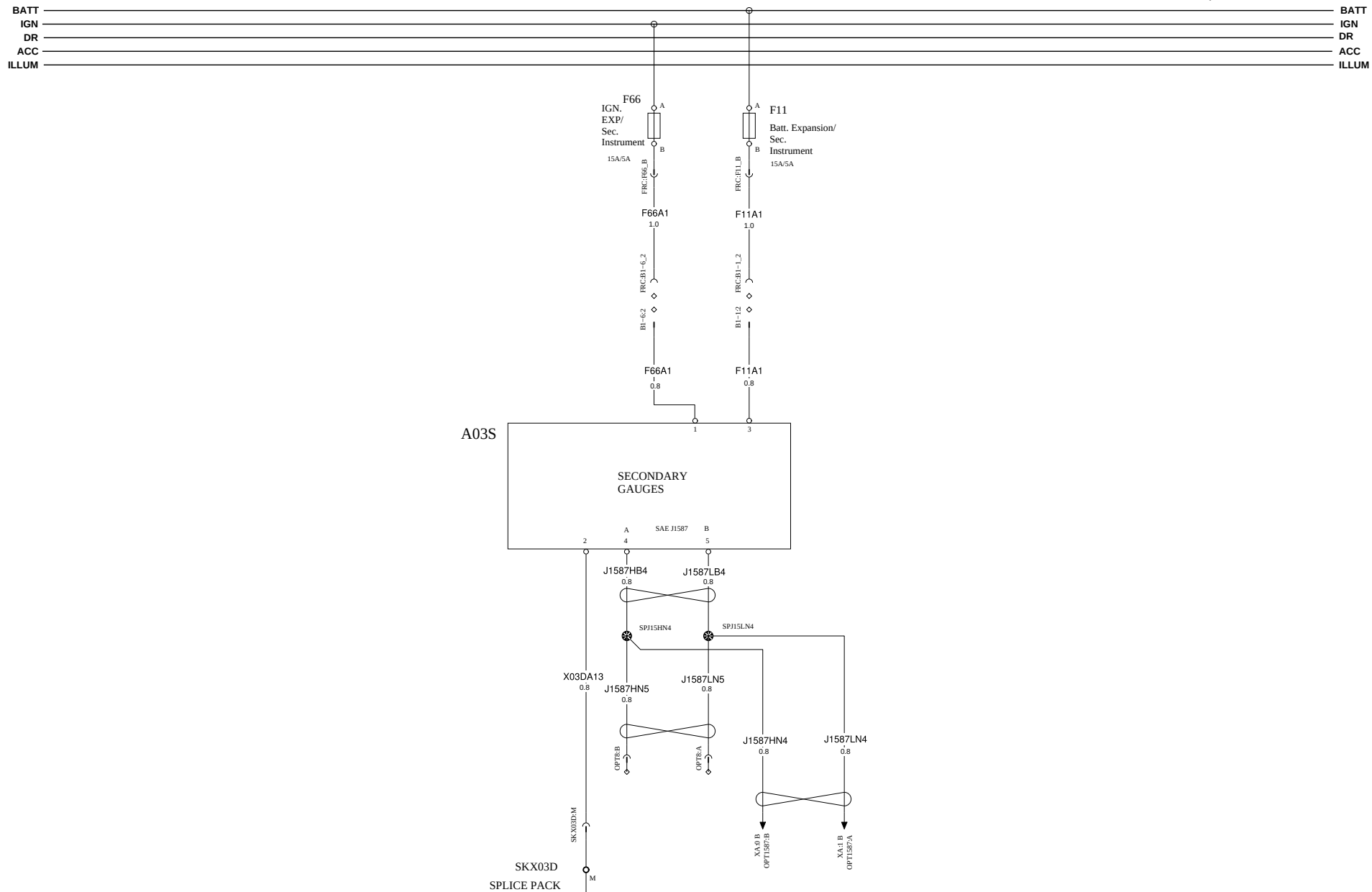
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INSTRUMENTATION OPTIONAL GAUGES

WIRING DIAGRAM : BD



WIRING DIAGRAM : BE



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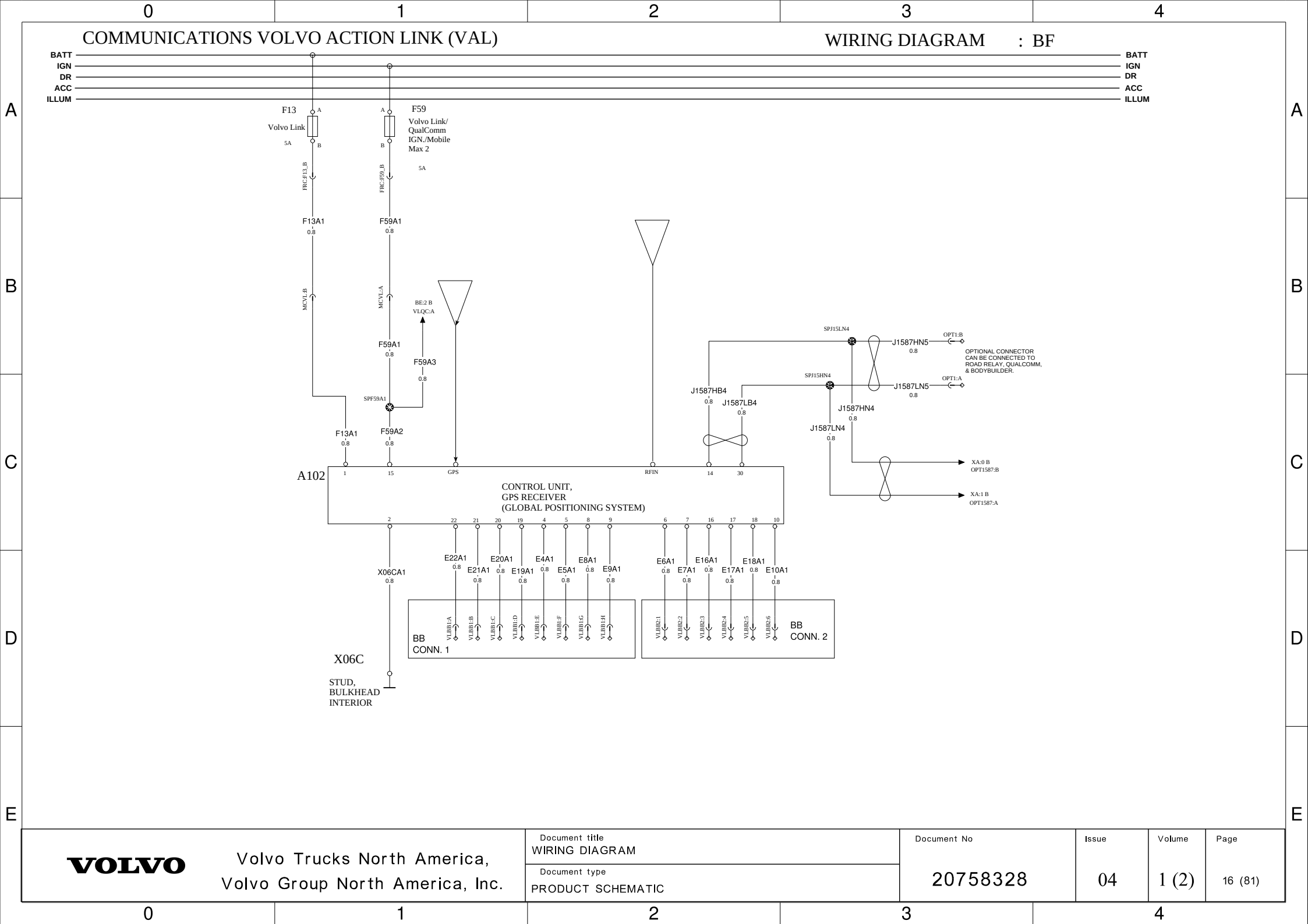
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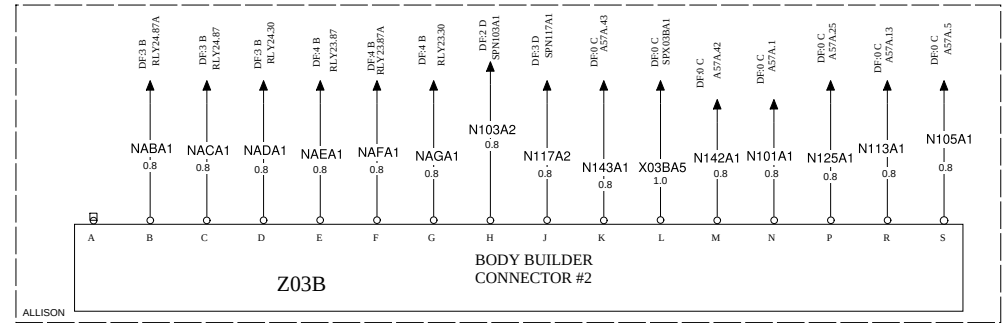
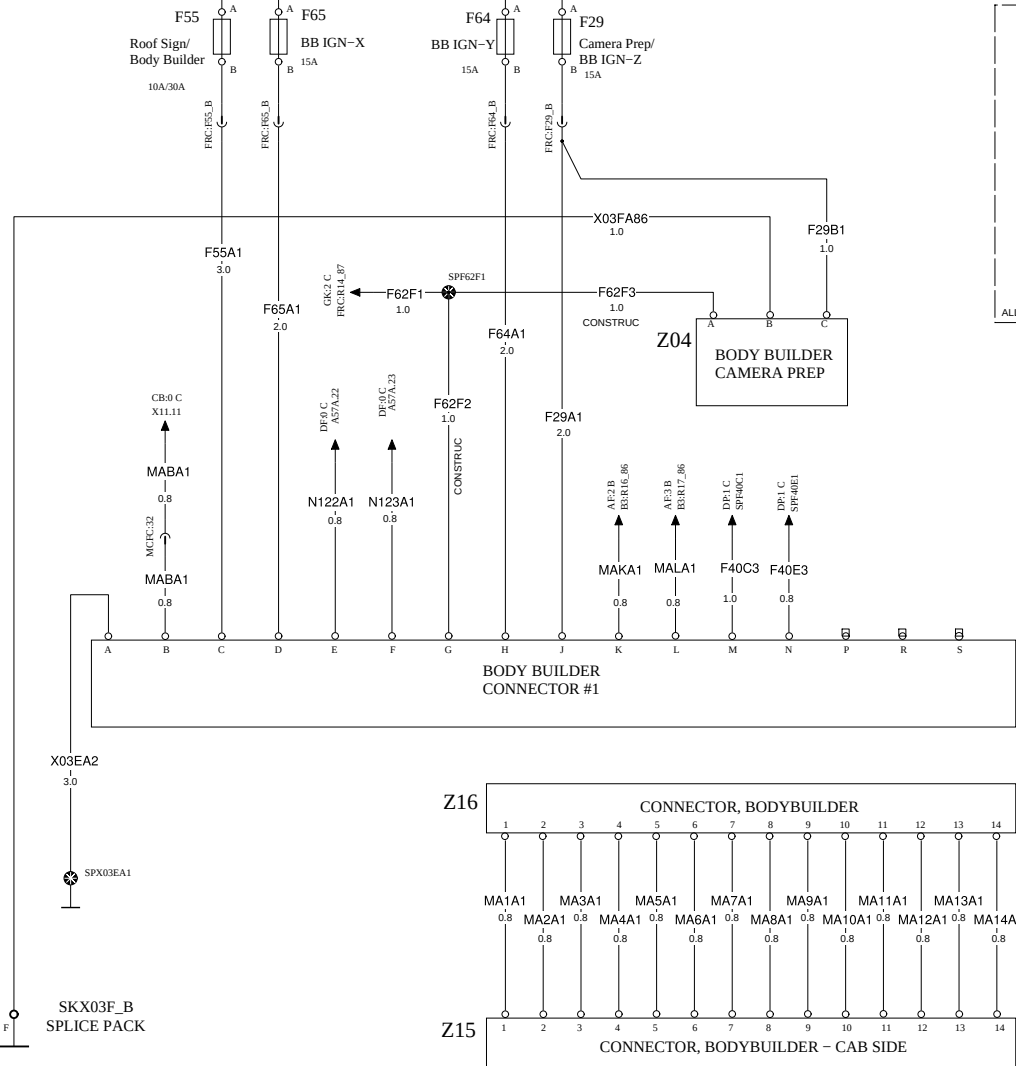
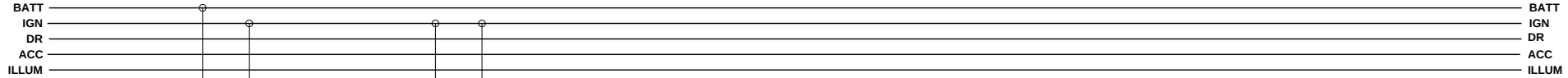
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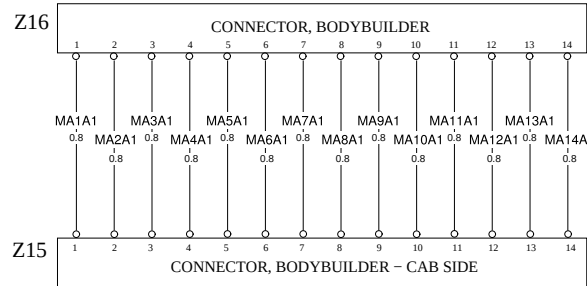
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BODY BUILDER

WIRING DIAGRAM : BH



Z03A



Z10CA
 OPTION CONNECTOR A, CAB SIDE



Z10FA
 OPTION CONNECTOR A, CHASSIS SIDE

Z10CB
 OPTION CONNECTOR B, CAB SIDE



Z10FB
 OPTION CONNECTOR B, CHASSIS SIDE



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BODY BUILDER MODULE

WIRING DIAGRAM : BI

BATT

IGN

DR

ACC

ILLUM

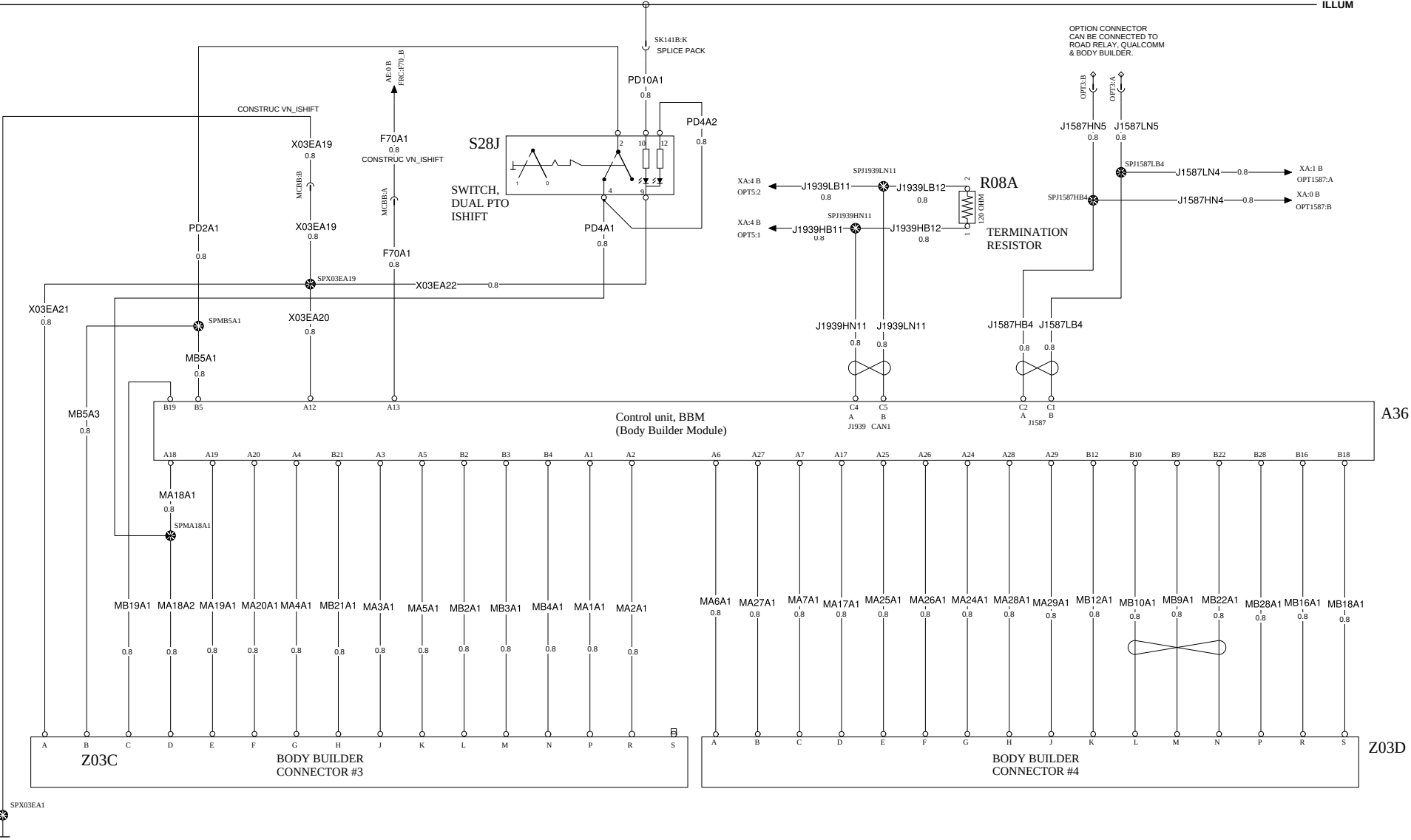
BATT

IGN

DR

ACC

ILLUM



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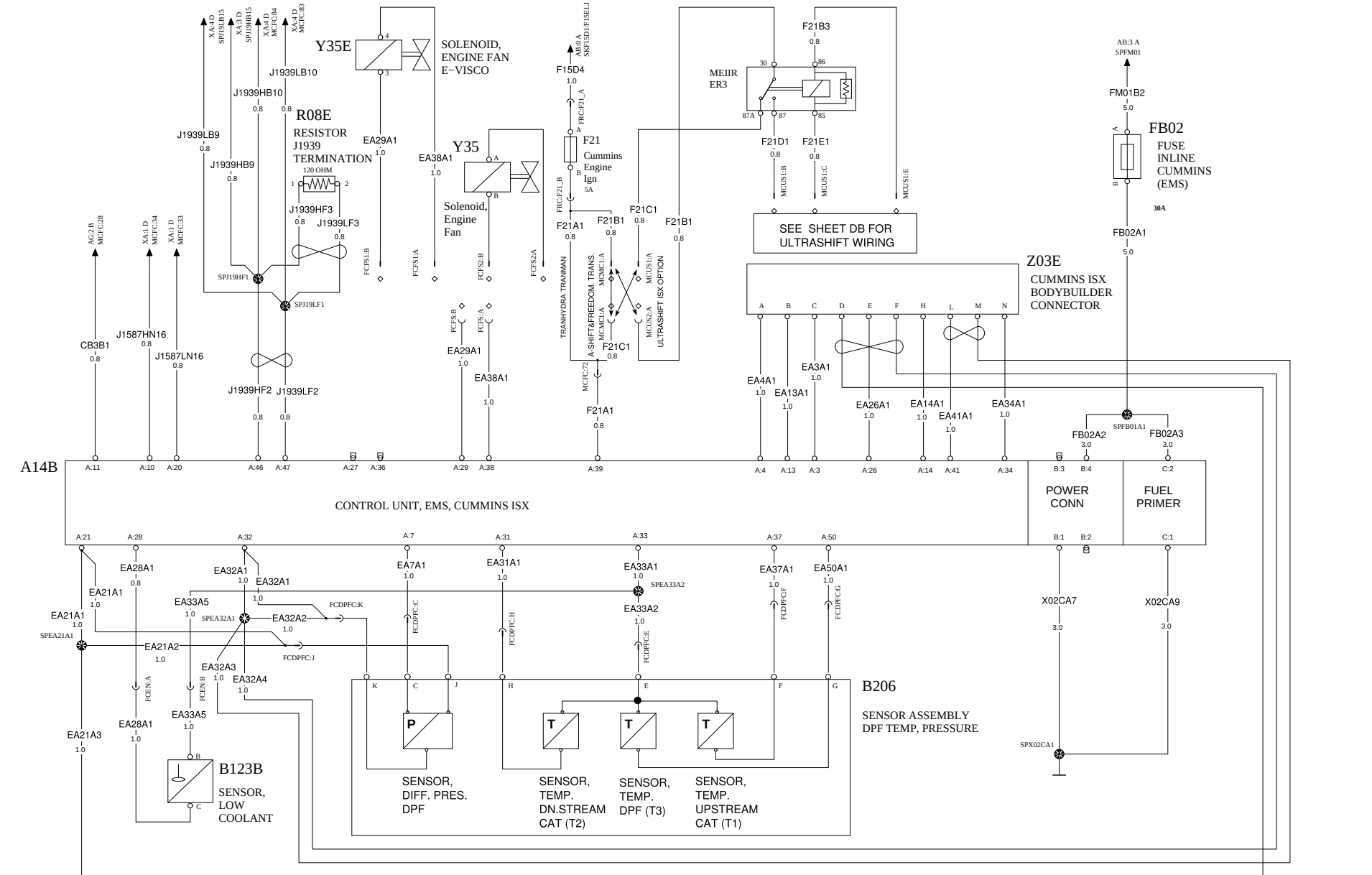
WIRING DIAGRAM : CB

SENSOR
ASSEMBLY
DPF
TEMP, PRESS,
NOX

SENSOR, TEMP. UPSTREAM CAT (T1)	SENSOR, TEMP. DN.STREAM CAT (T2)	SENSOR, TEMP. DPF (T3)	SENSOR, DIFF. PRES. DPF
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WIRING DIAGRAM : CE



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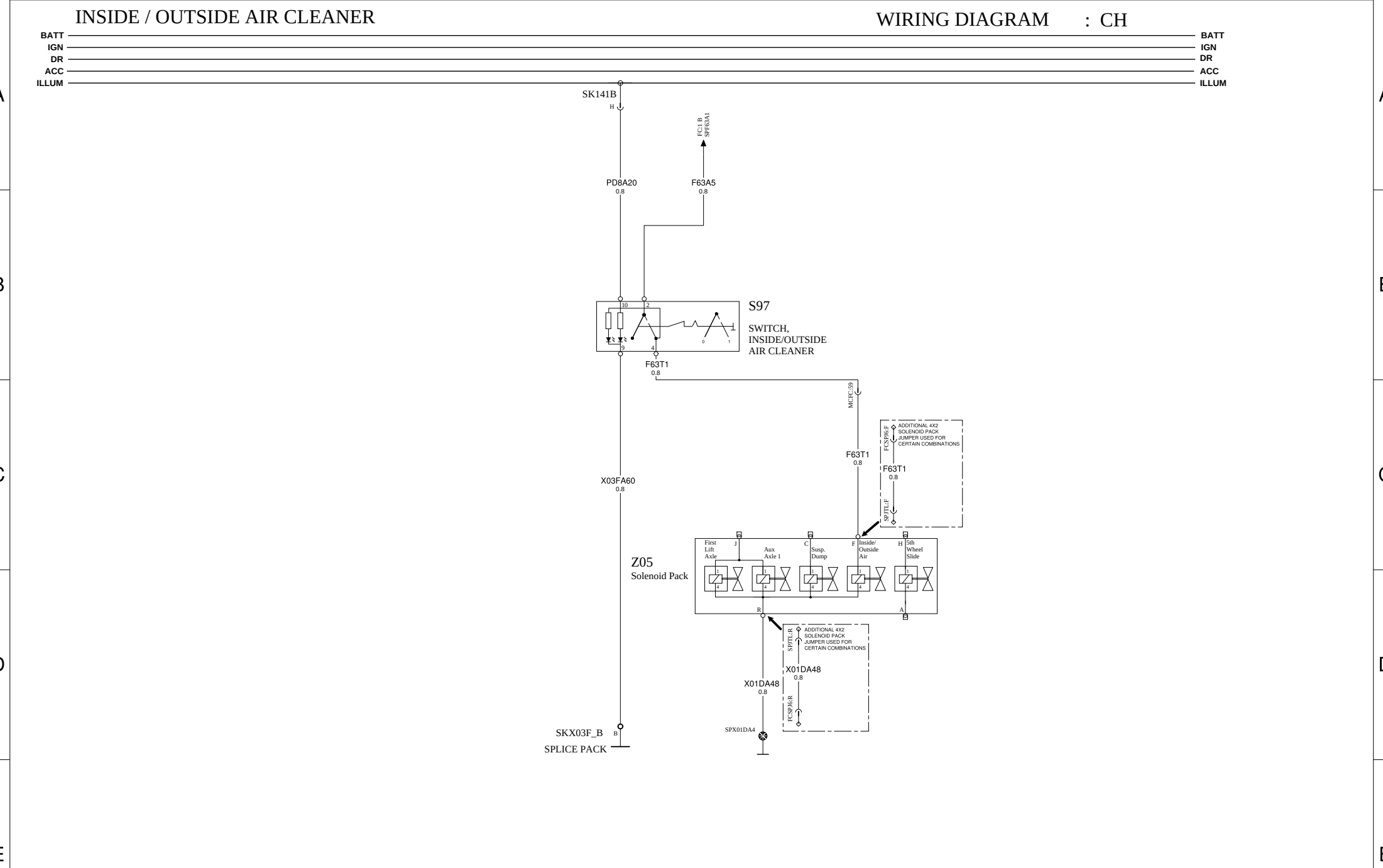
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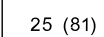
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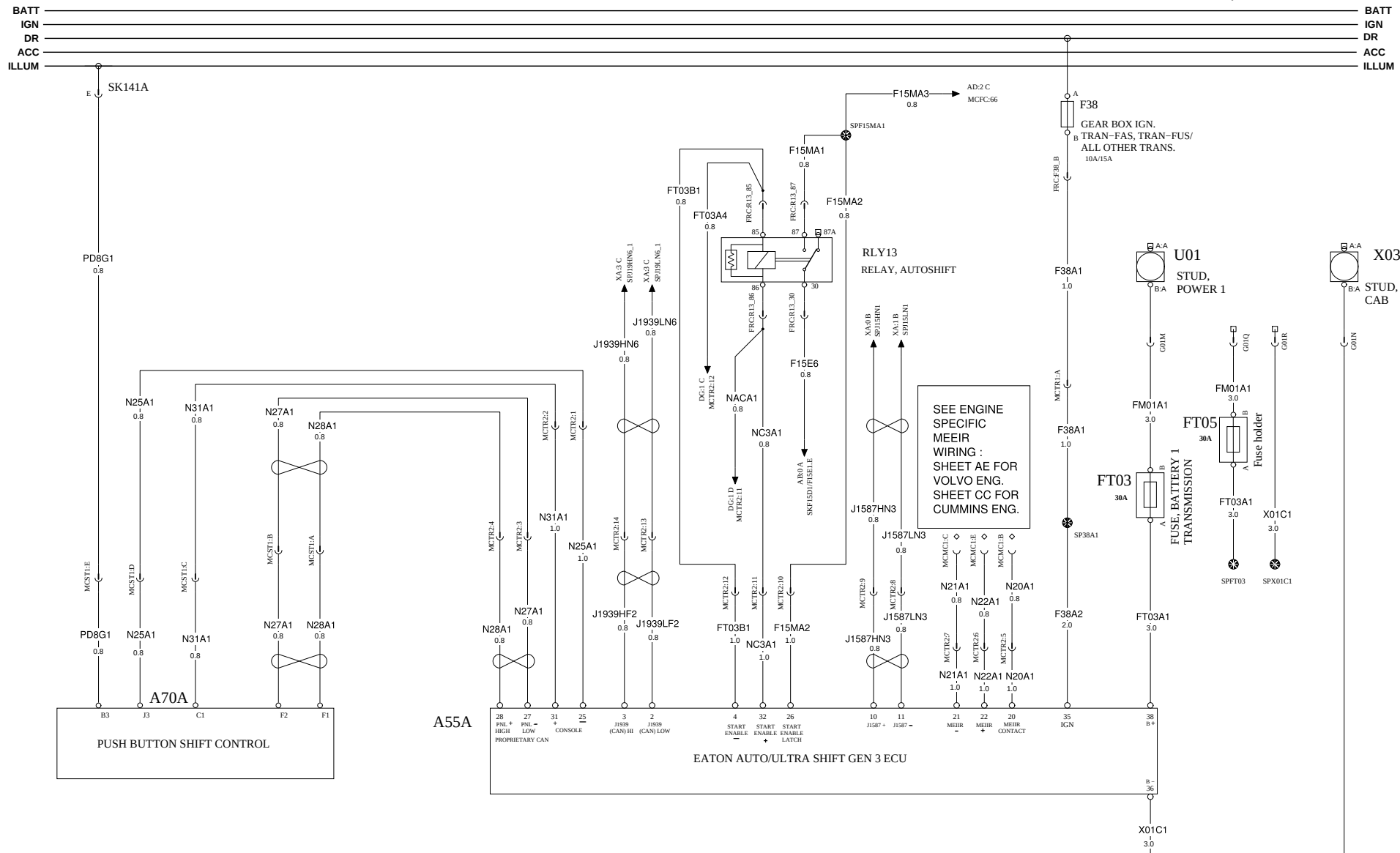
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WIRING DIAGRAM : DA



WIRING DIAGRAM : DB



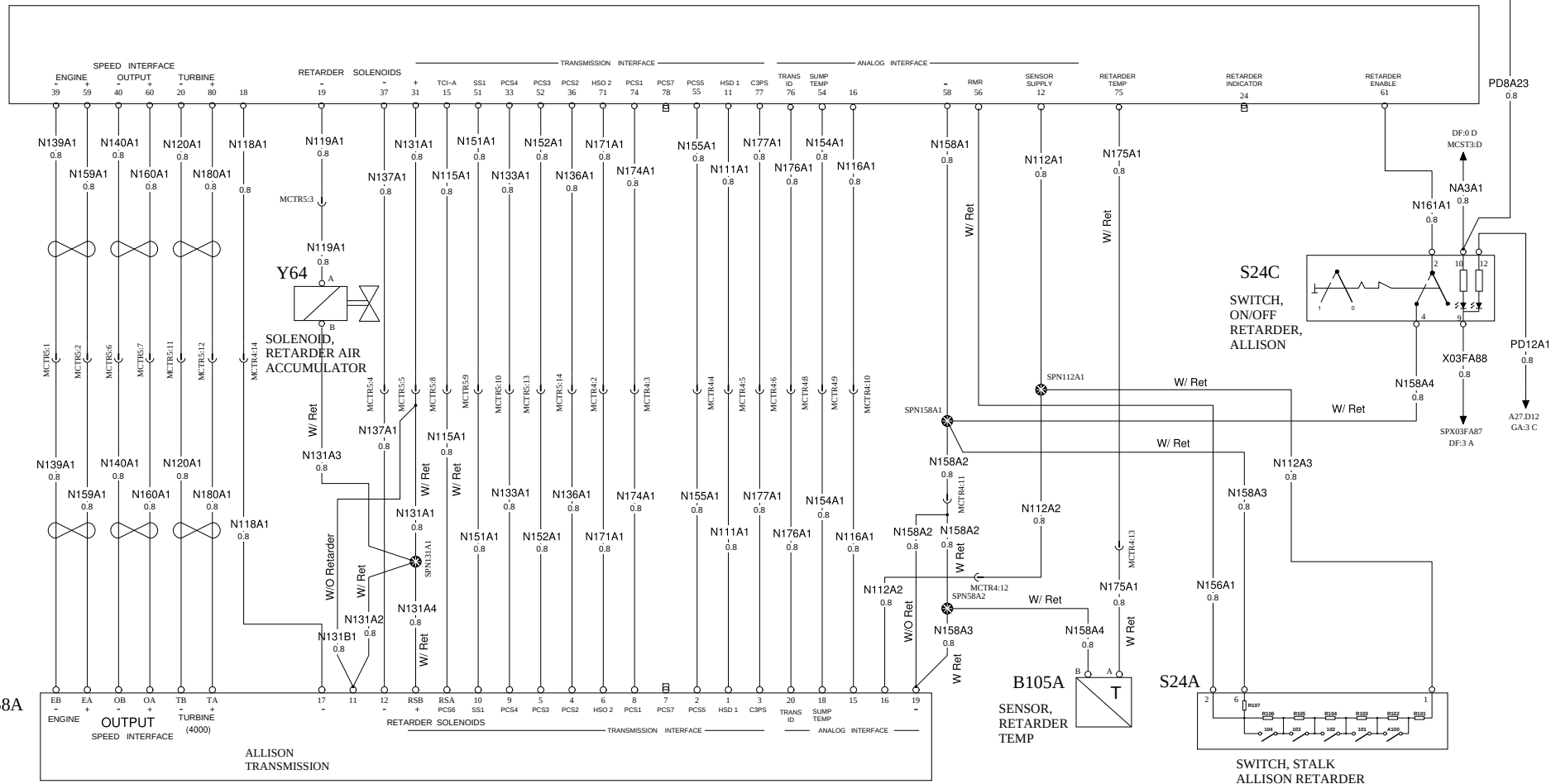
TRANSMISSION CONTROL 4th GENERATION 1/2

WIRING DIAGRAM : DE

BATT
IGN
DR
ACC
ILLUM

BATT
IGN
DR
ACC
ILLUM

A57A CONTROL UNIT
ALLISON TRANS.
GEN 4

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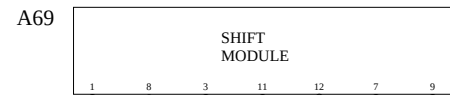
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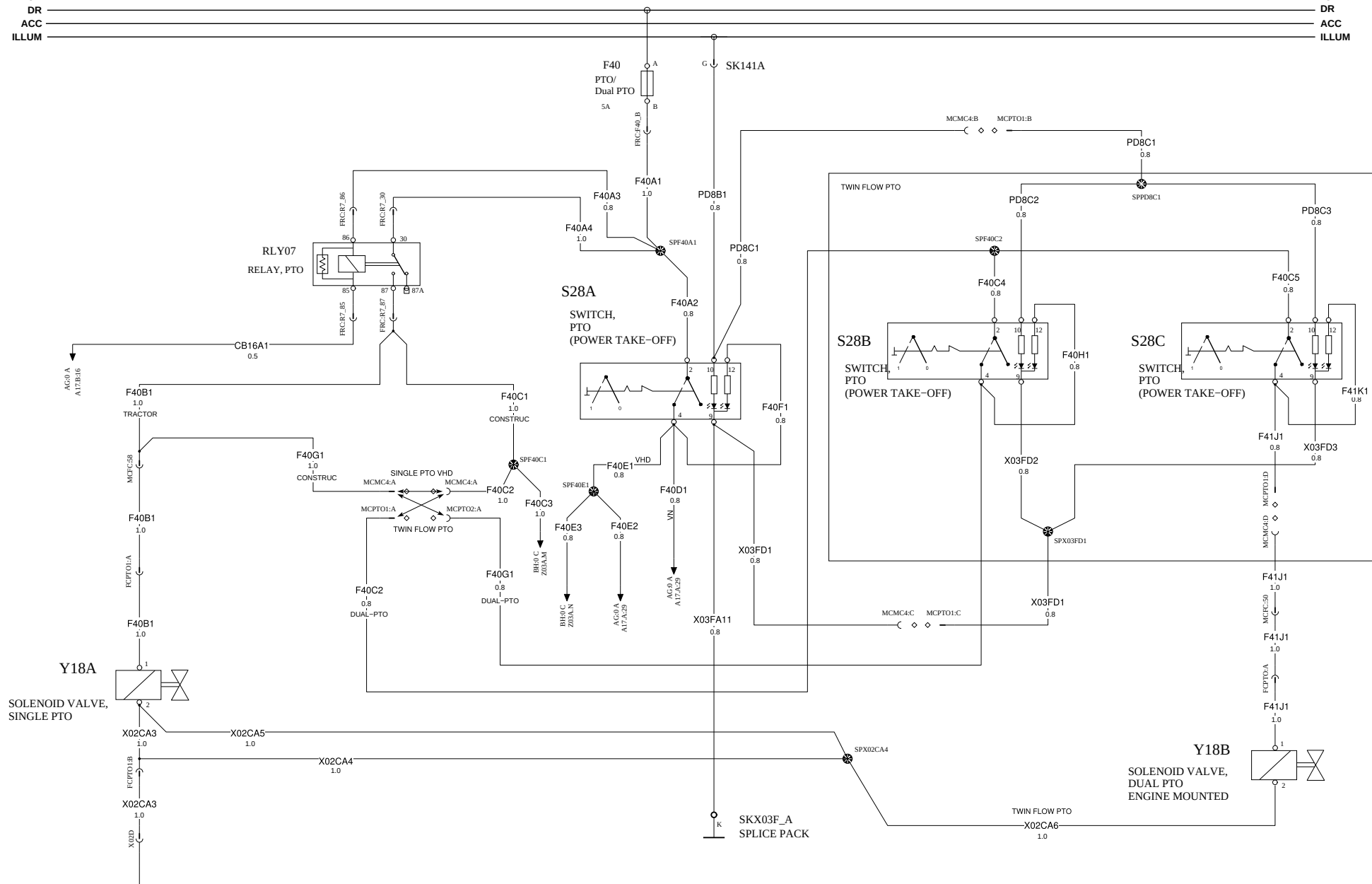
- BATT
- IGN
- DR
- ACC
- ILLUM



PTO WIRING DIAGRAM : DP

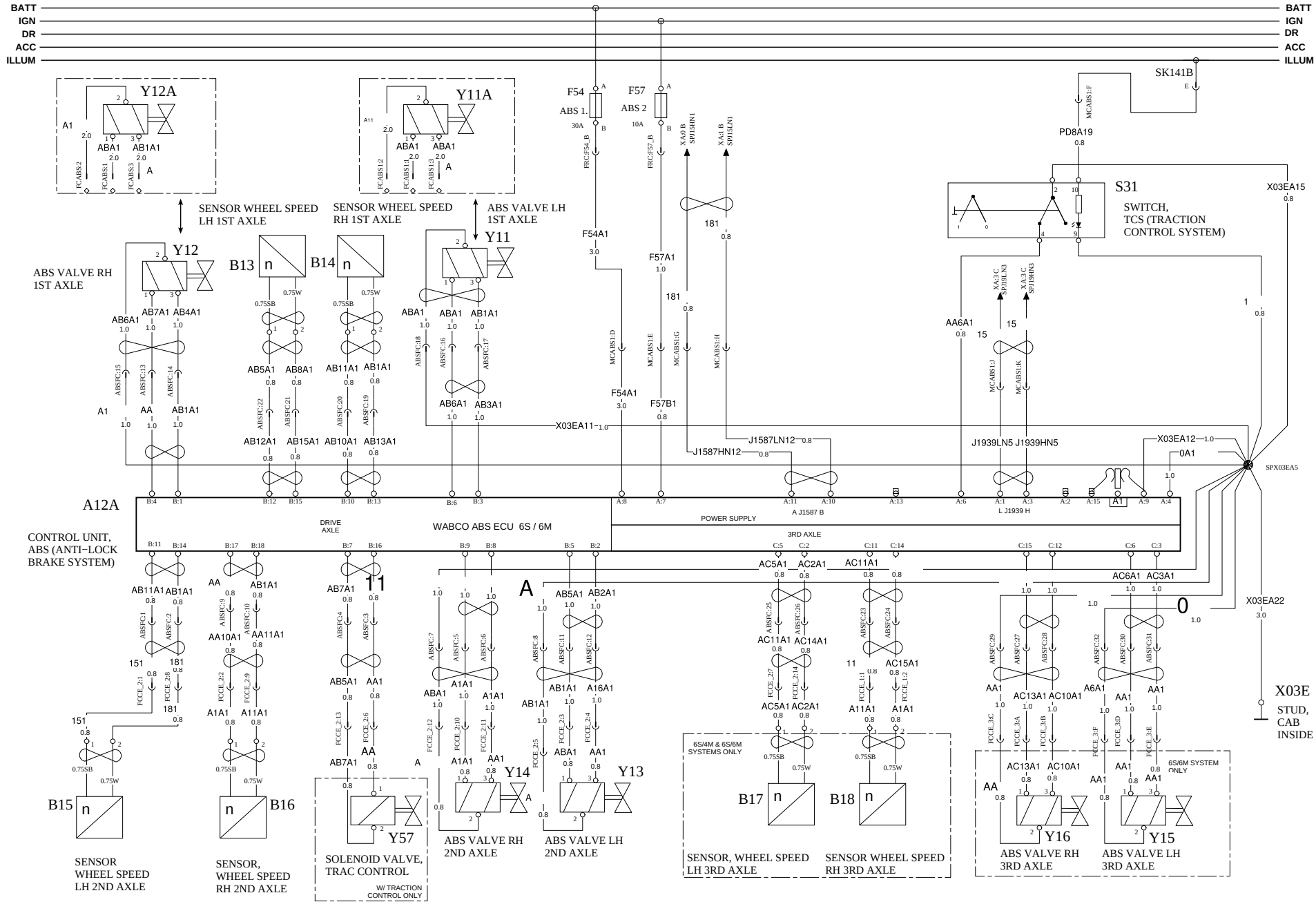
BATT
IGN
DR
ACC
ILLUM

- BATT
- IGN
- DR
- ACC
- ILLUM



ABS CONTROL WABCO

WIRING DIAGRAM : EA



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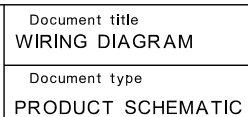
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WIRING DIAGRAM : EB



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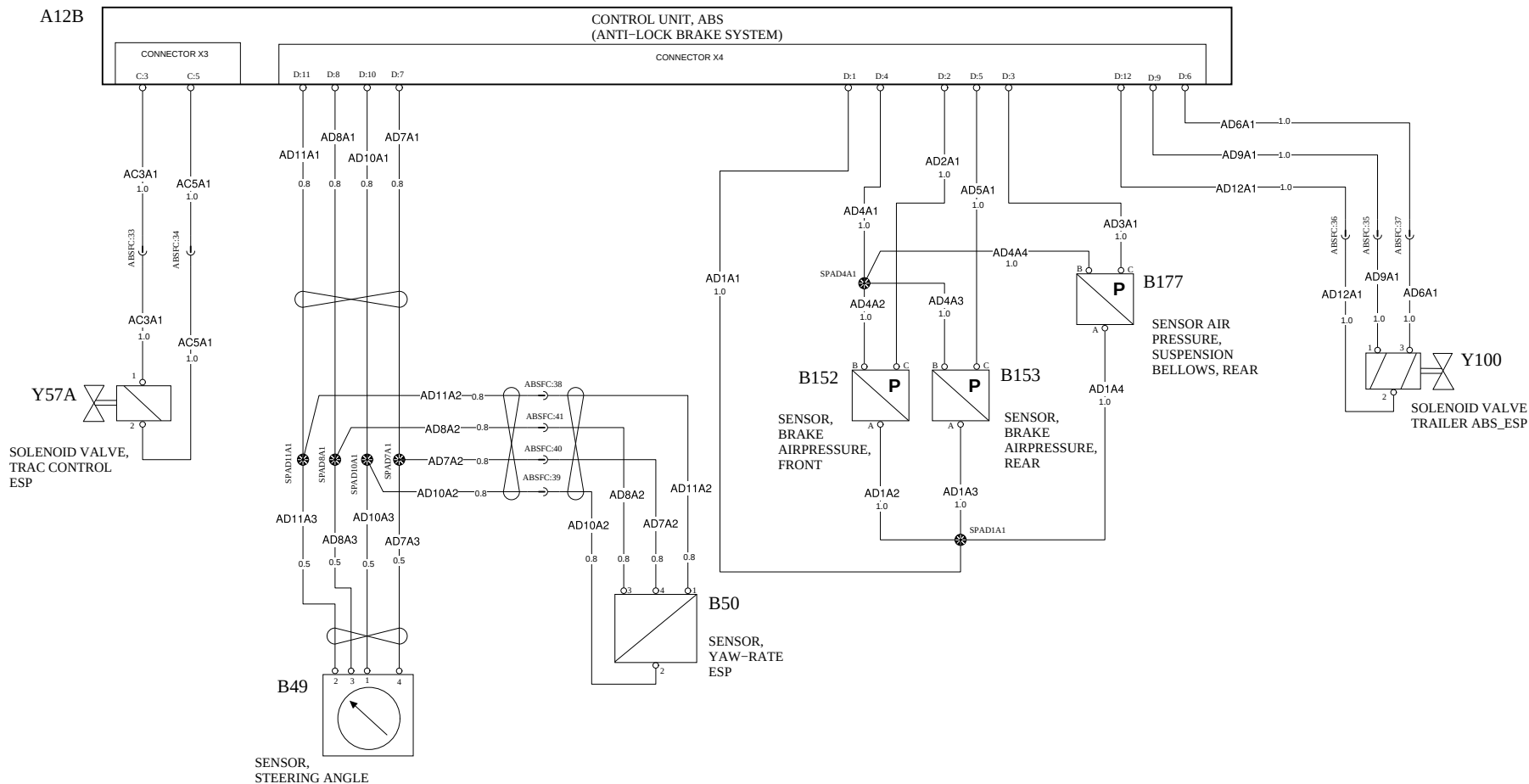


ABS CONTROL BENDIX ESP (ELECTRONIC STABILITY CONTROL)

WIRING DIAGRAM : ED

BATT
IGN
DR
ACC
ILLUM

BATT
IGN
DR
ACC
ILLUM



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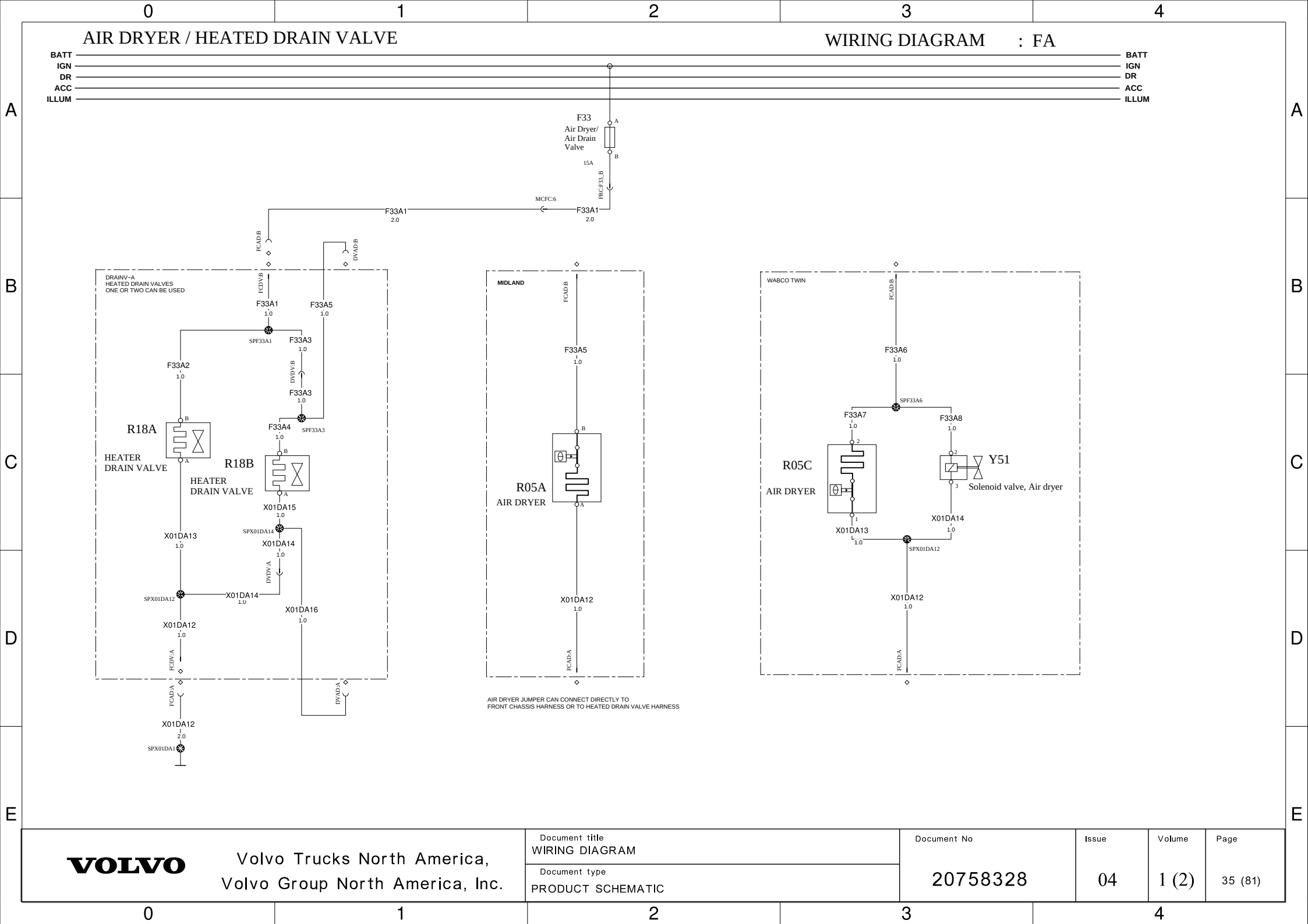
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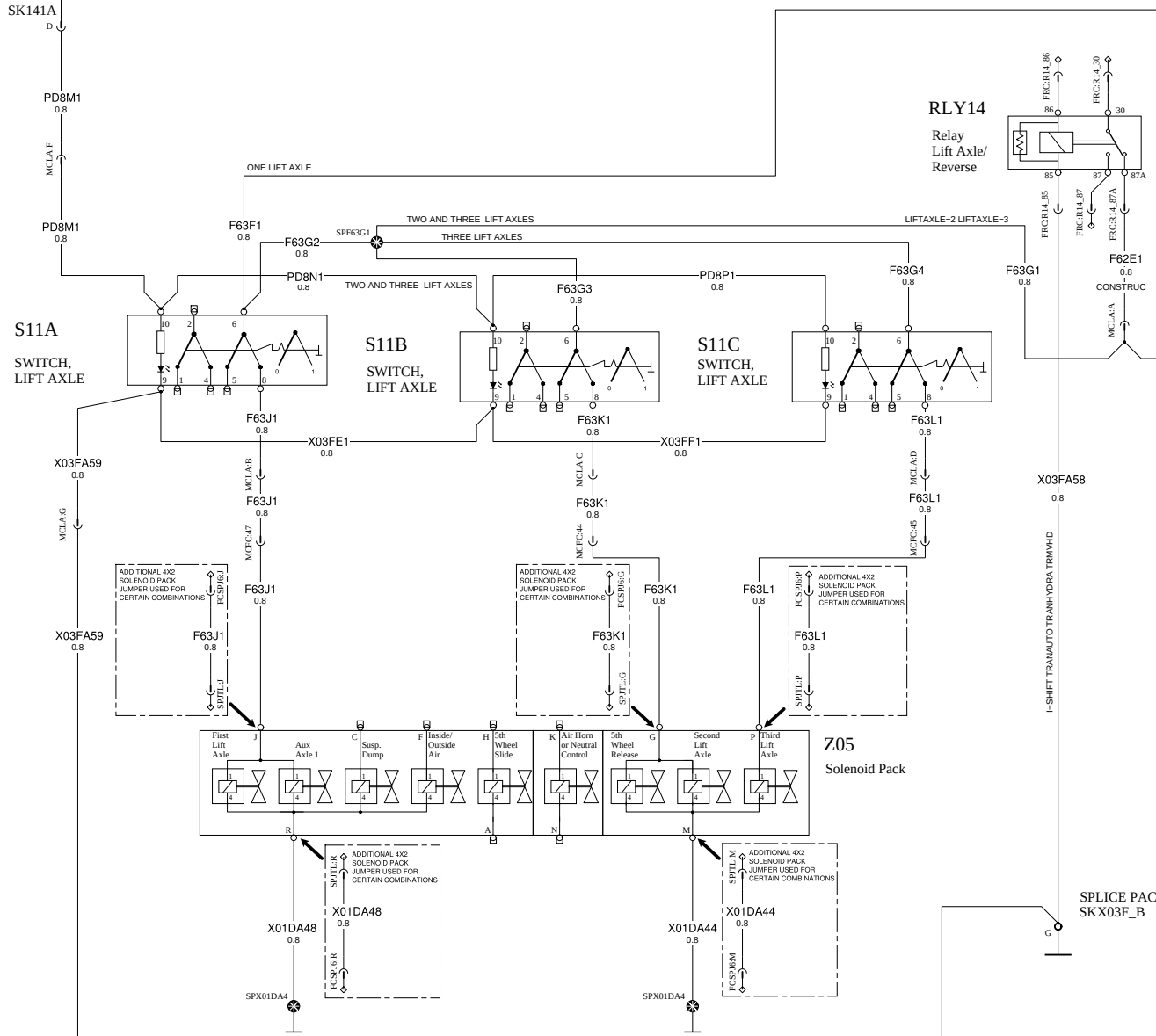
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LIFT AXLES VHD

WIRING DIAGRAM : FB

BATT
IGN
DR
ACC
ILLUM

BATT
IGN
DR
ACC
ILLUM



SEE SHEET GK FOR
RELAY 14 CONTROLS.

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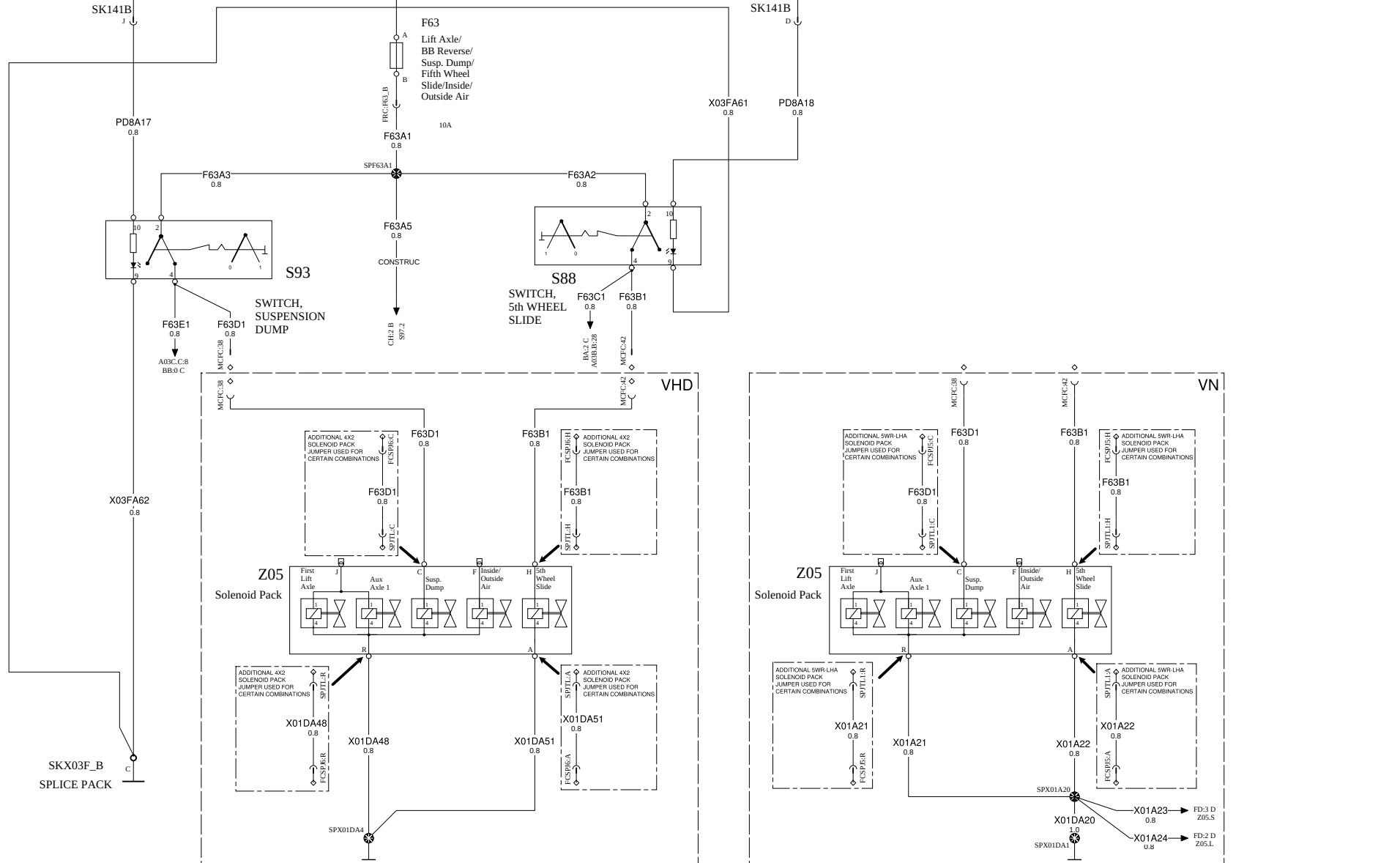
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SUSPENSION DUMP, 5TH WHEEL SLIDE

WIRING DIAGRAM : FC

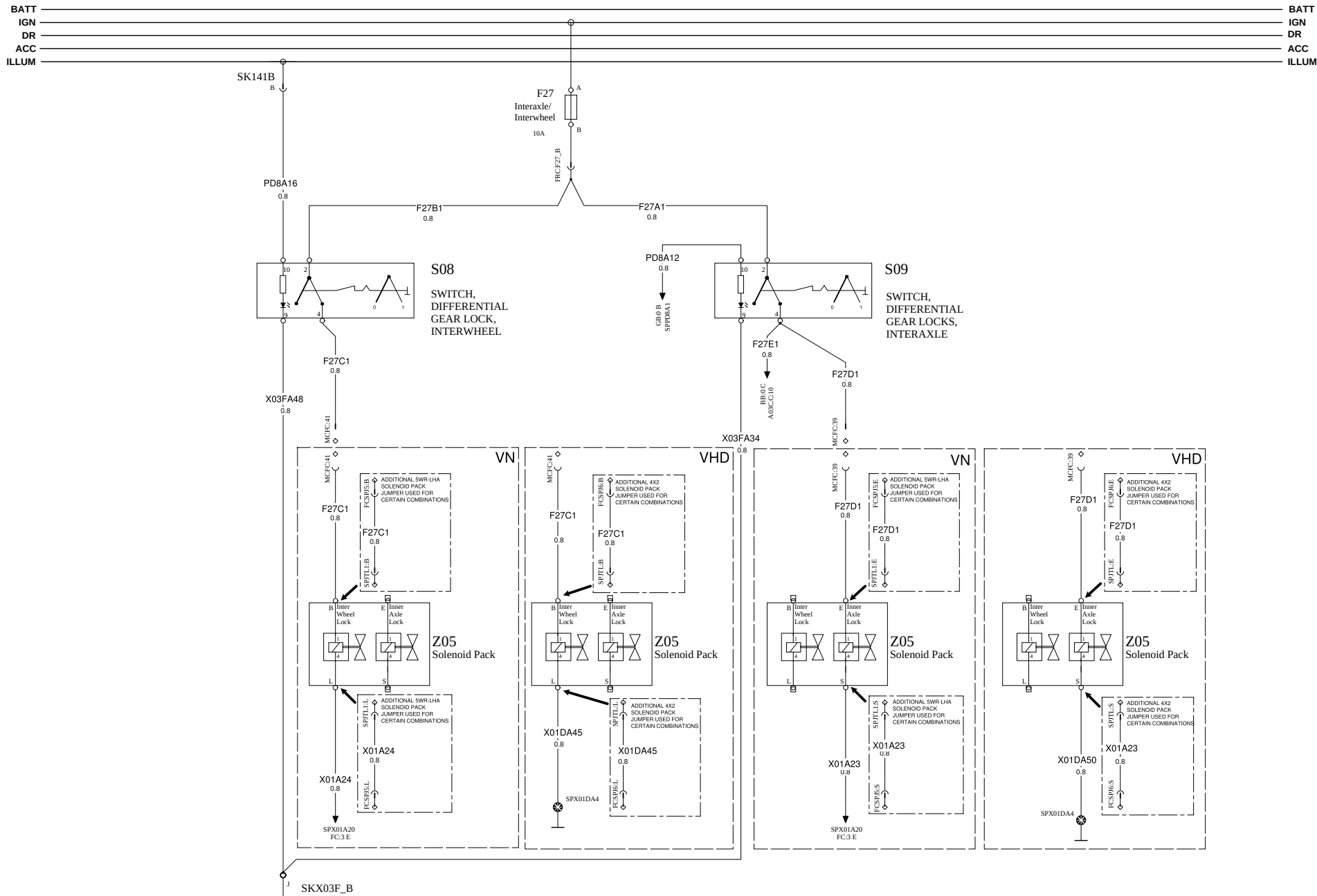
Timing diagram showing the relationship between BATT, IGN, DR, ACC, and ILLUM signals. The signals are active (high) during the 1.0 to 1.5 second interval.

Signal	Active (High) Interval
BATT	0.0 to 2.0 seconds
IGN	1.0 to 1.5 seconds
DR	1.0 to 1.5 seconds
ACC	1.0 to 1.5 seconds
ILLUM	1.0 to 1.5 seconds



DIFFERENTIAL LOCK VN/VHD

WIRING DIAGRAM : FD



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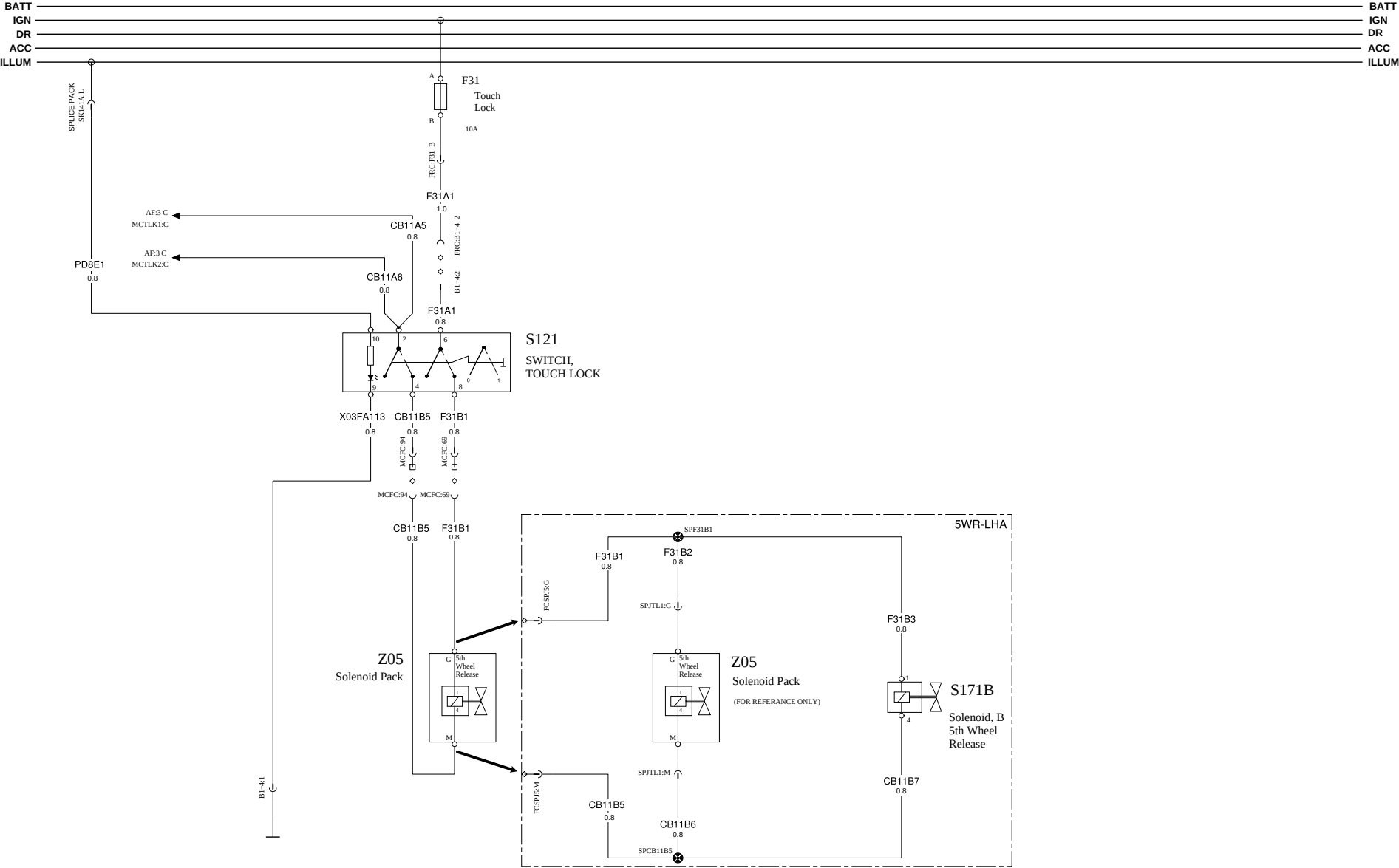
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5TH WHEEL TOUCH LOCK

WIRING DIAGRAM : FF



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WIRING DIAGRAM : FG



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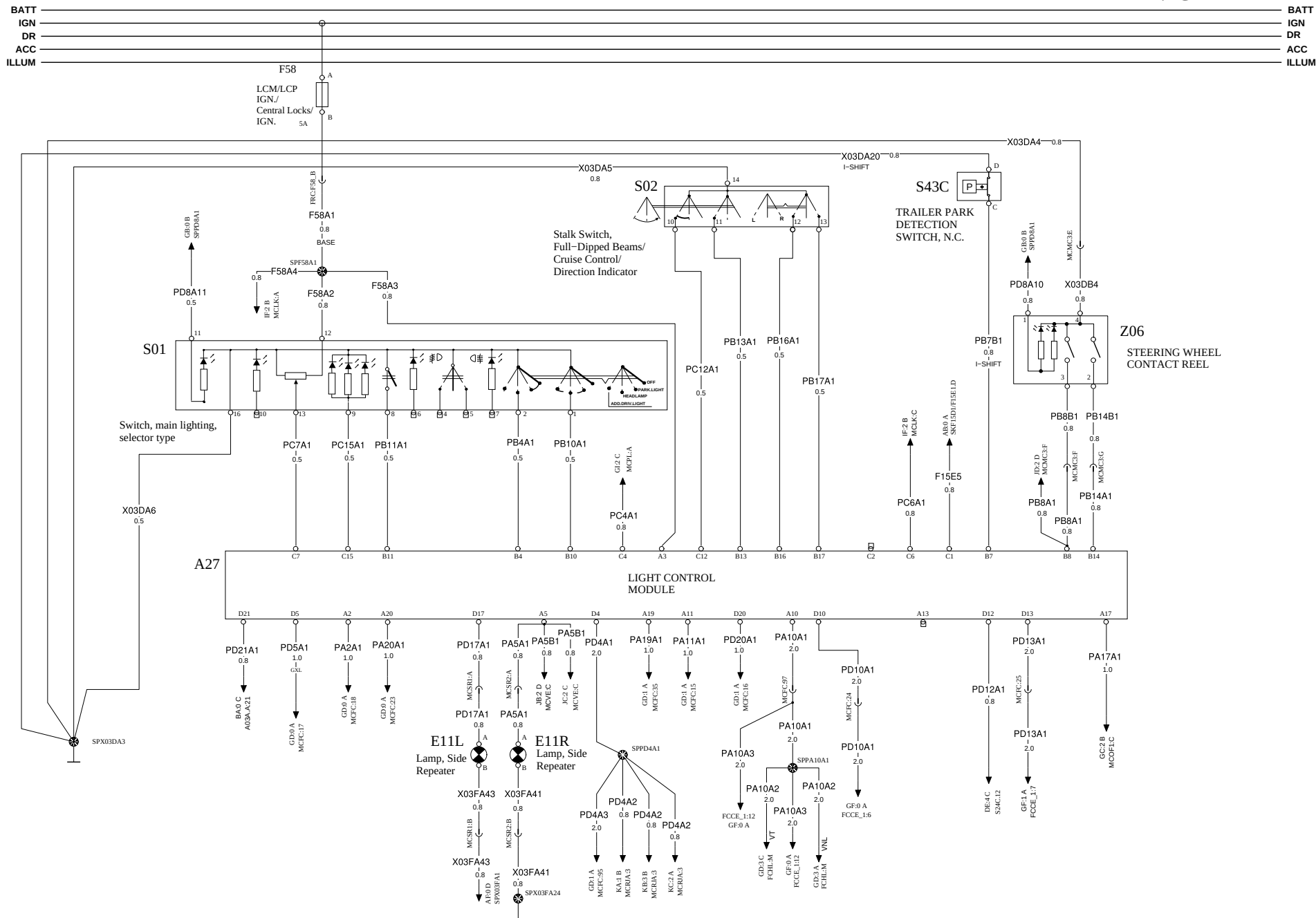
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LIGHTING CONTROL 1/2

WIRING DIAGRAM : GA



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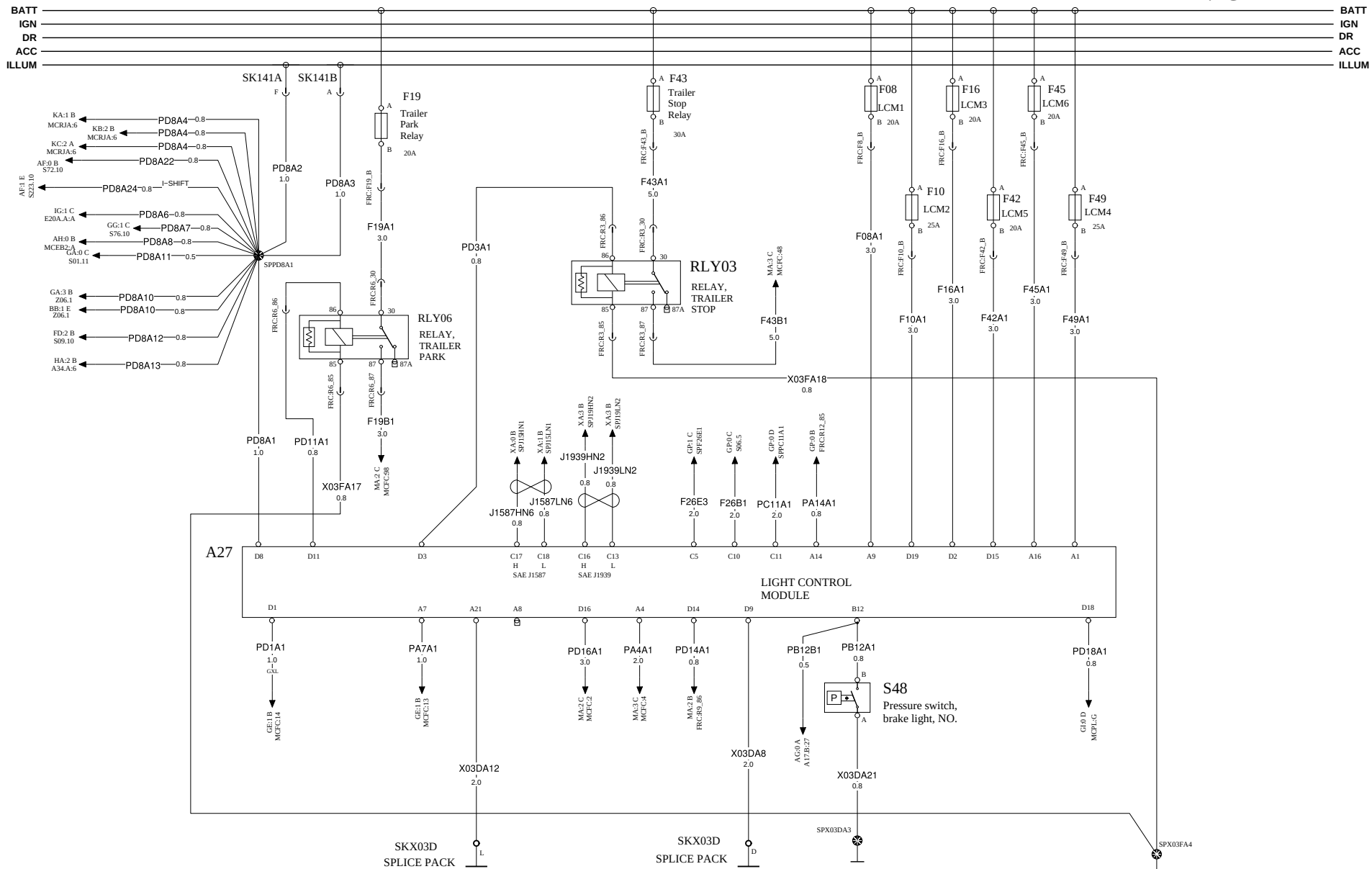
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LIGHTING CONTROL 2/2

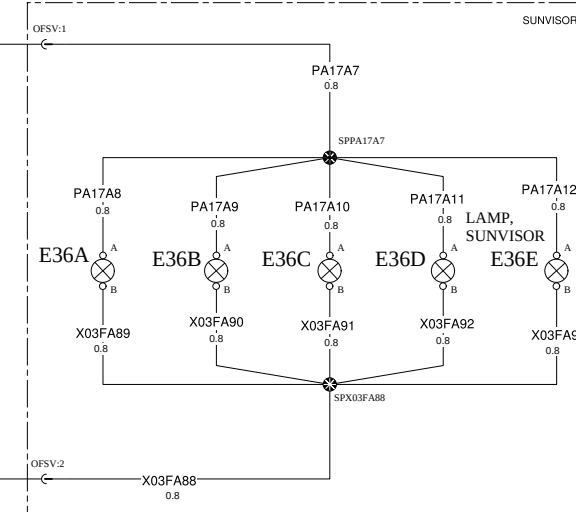
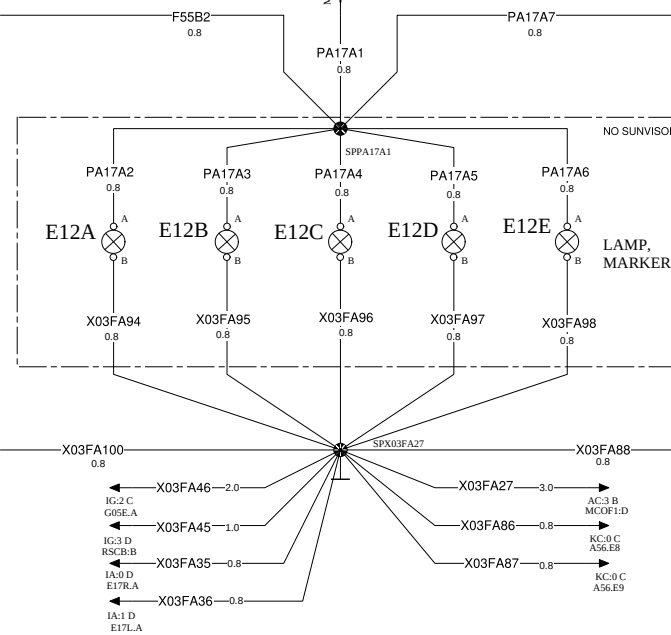
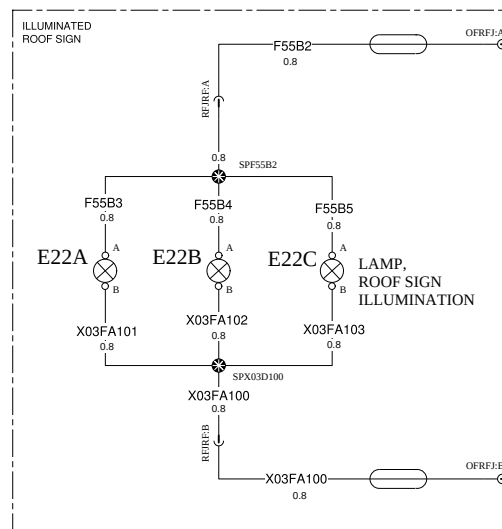
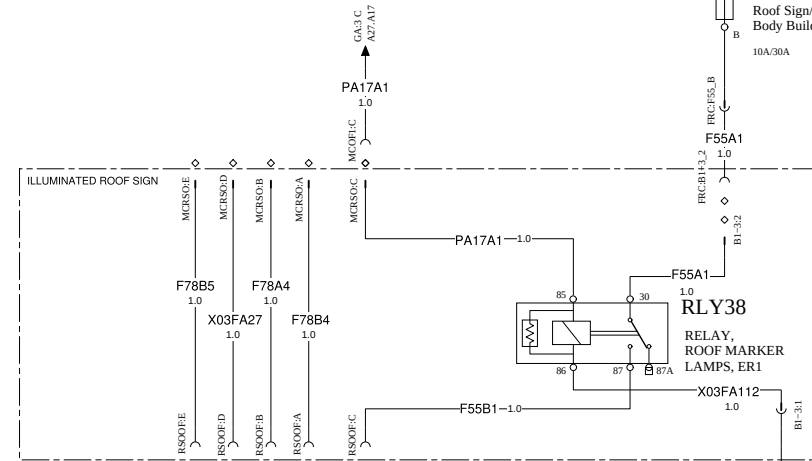
WIRING DIAGRAM : GB



WIRING DIAGRAM : GC

BATT
IGN
DR
ACC
ILLUM

- BATT
- IGN
- DR
- ACC
- ILLUM

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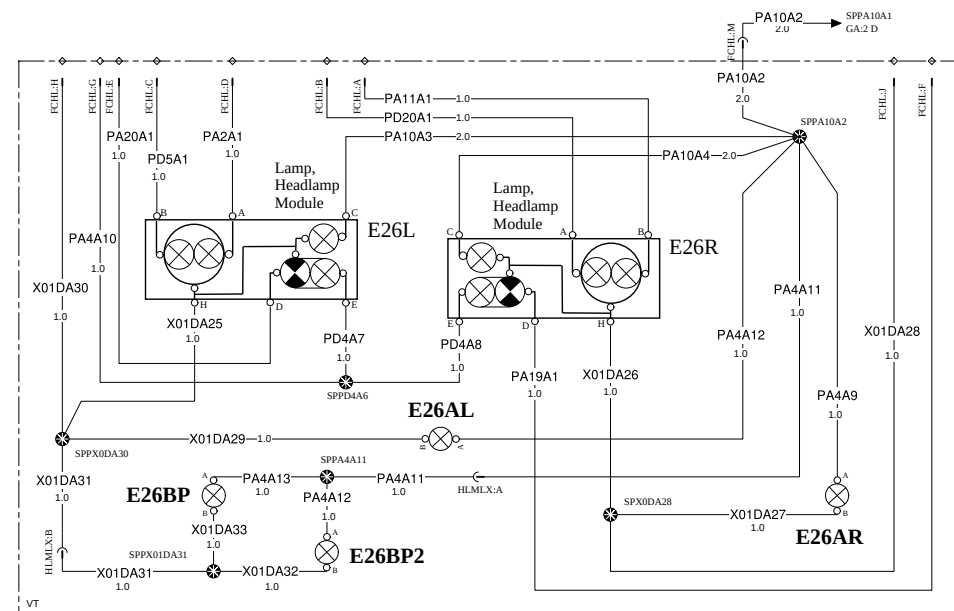
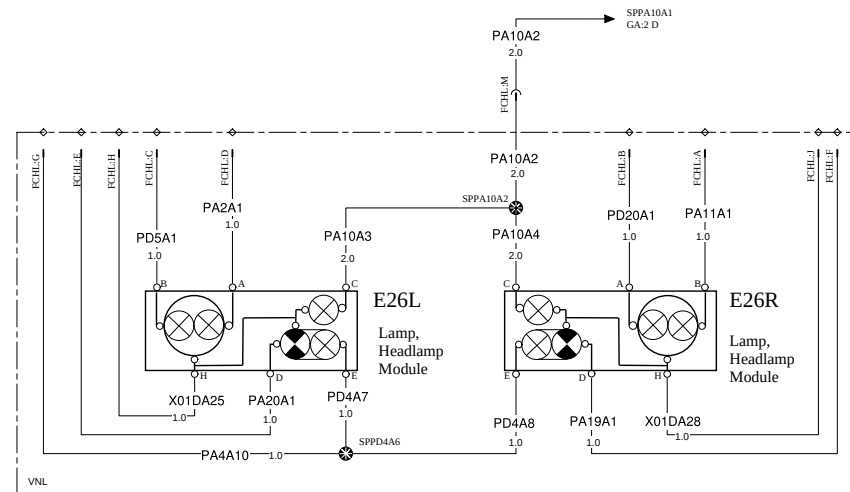
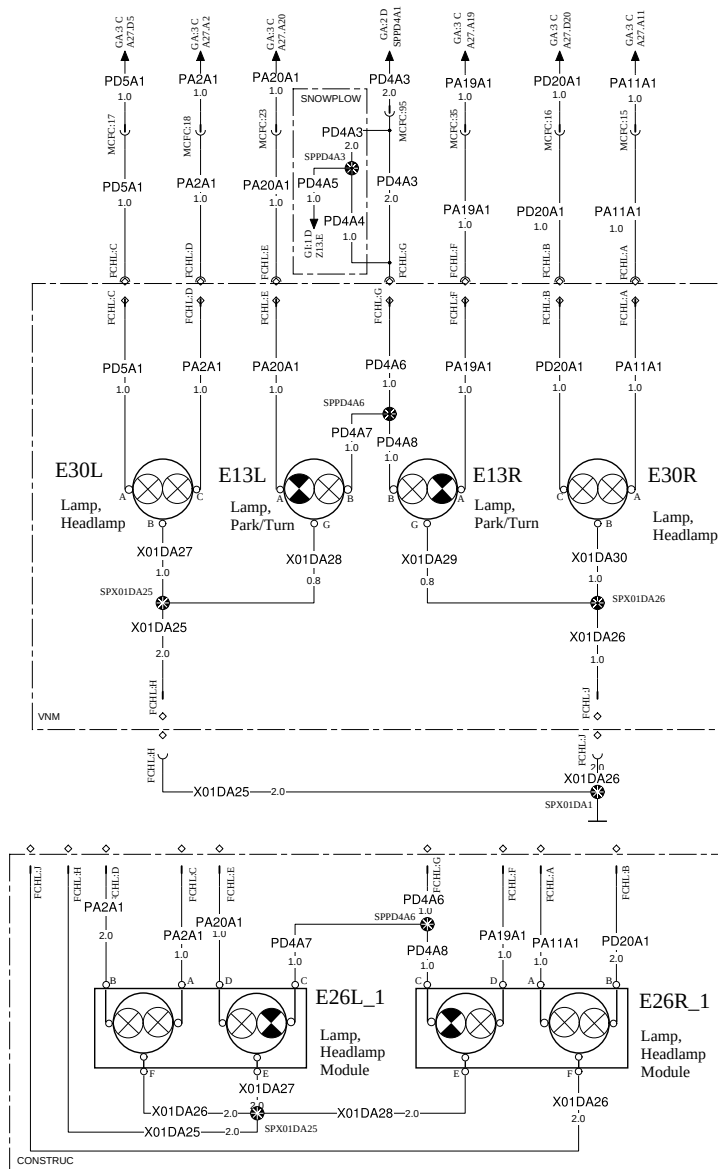
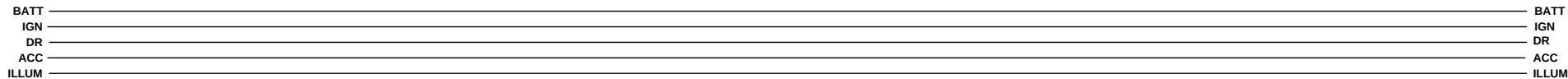
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DRIVING/SIGNAL LIGHTS

WIRING DIAGRAM : GD



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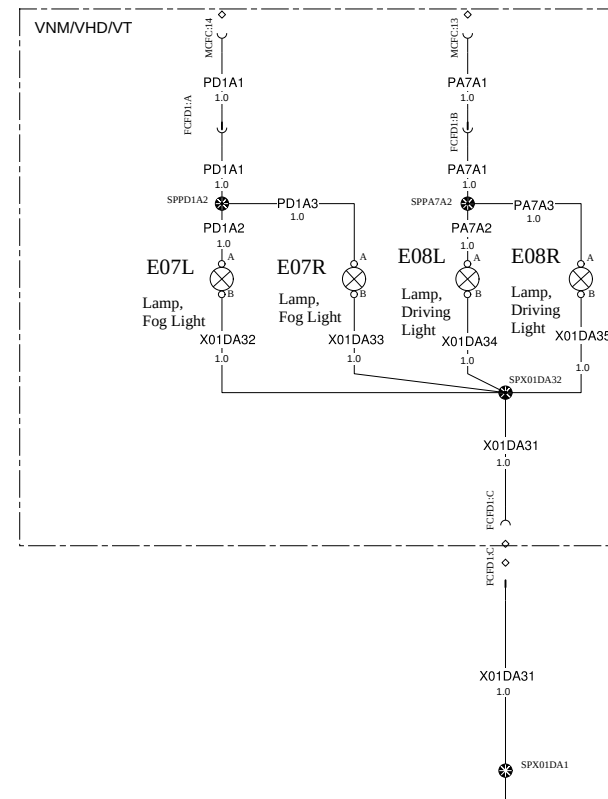
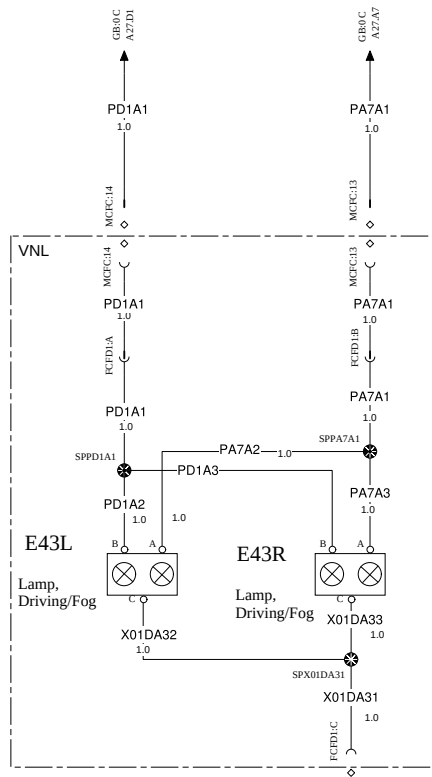
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DRIVING / FOG LIGHTS

WIRING DIAGRAM : GE

BATT
IGN
DR
ACC
ILLUM

- BATT
- IGN
- DR
- ACC
- ILLUM

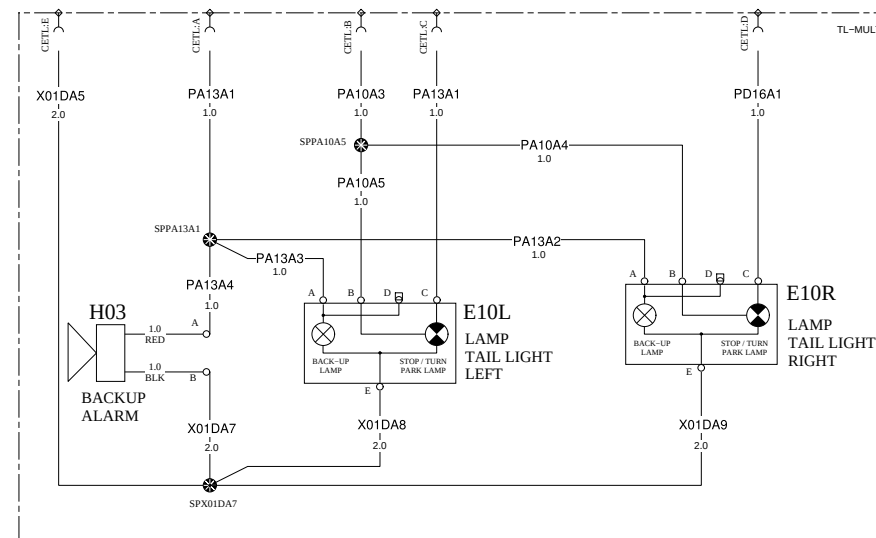
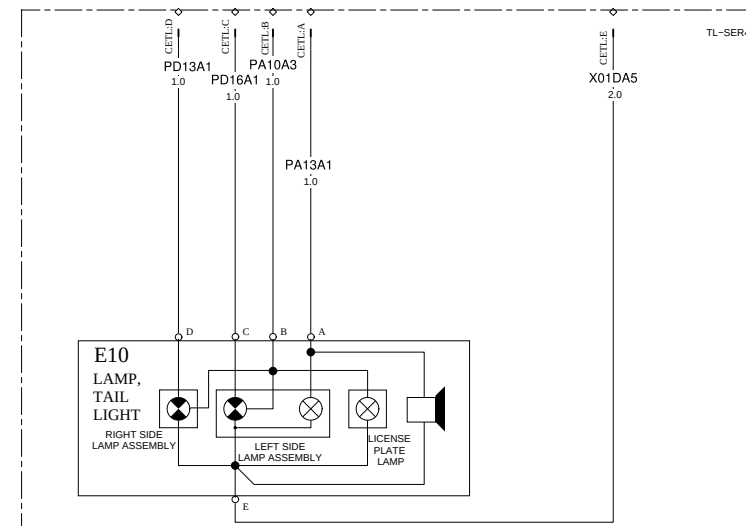
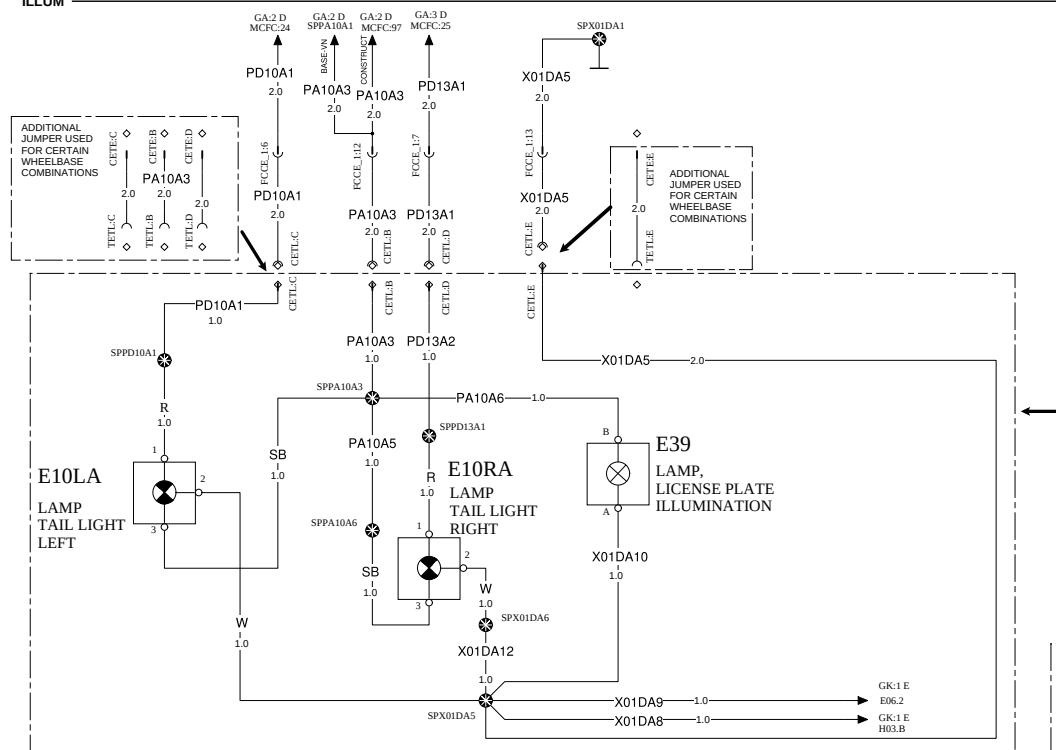


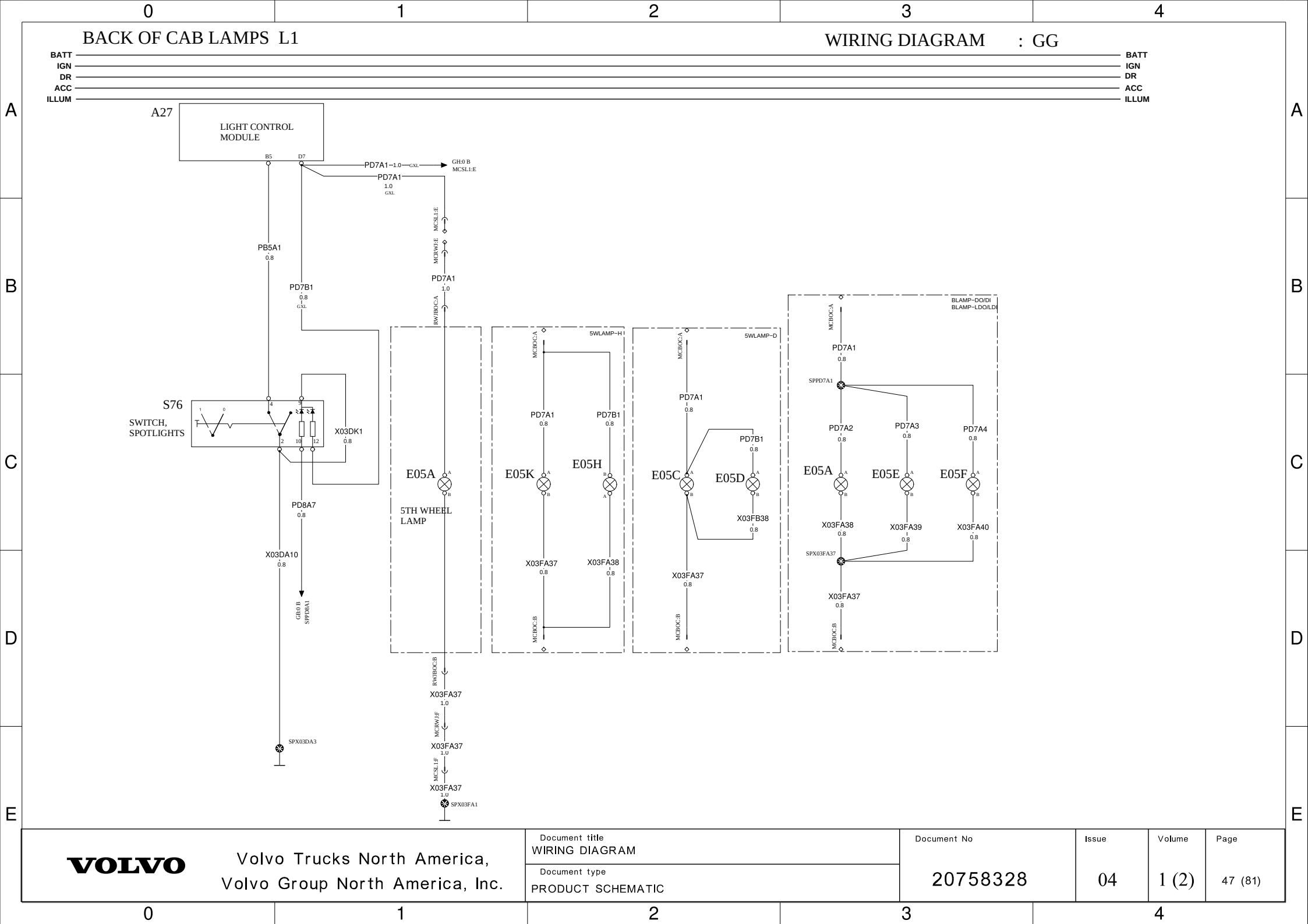
TAIL LAMPS W/ALARM

BATT
IGN
DR
ACC
ILLUM

WIRING DIAGRAM : GF

- BATT
- IGN
- DR
- ACC
- ILLUM

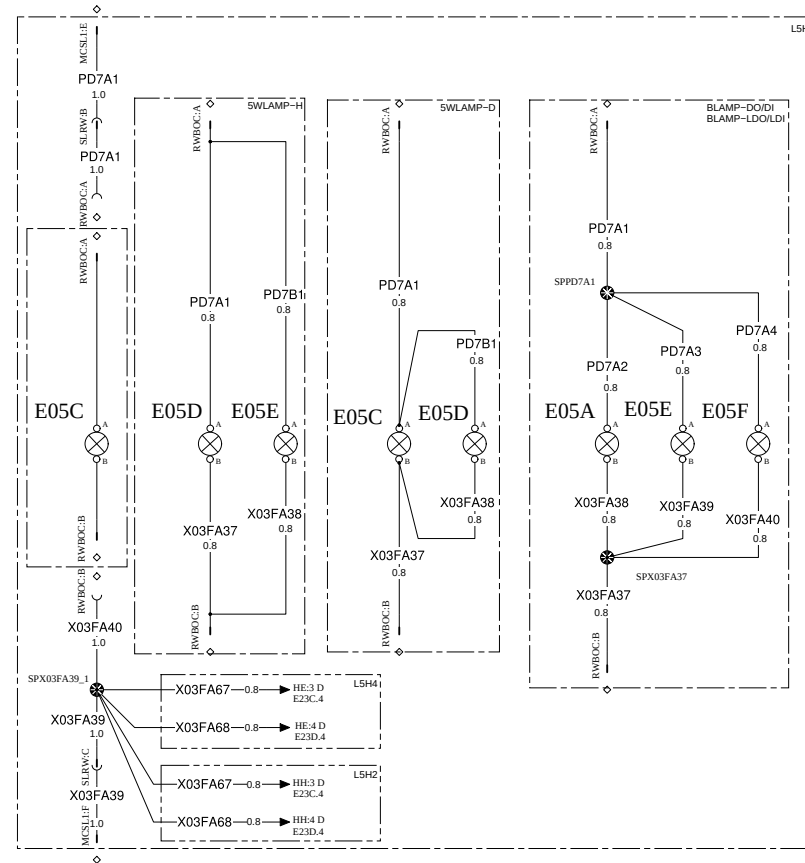
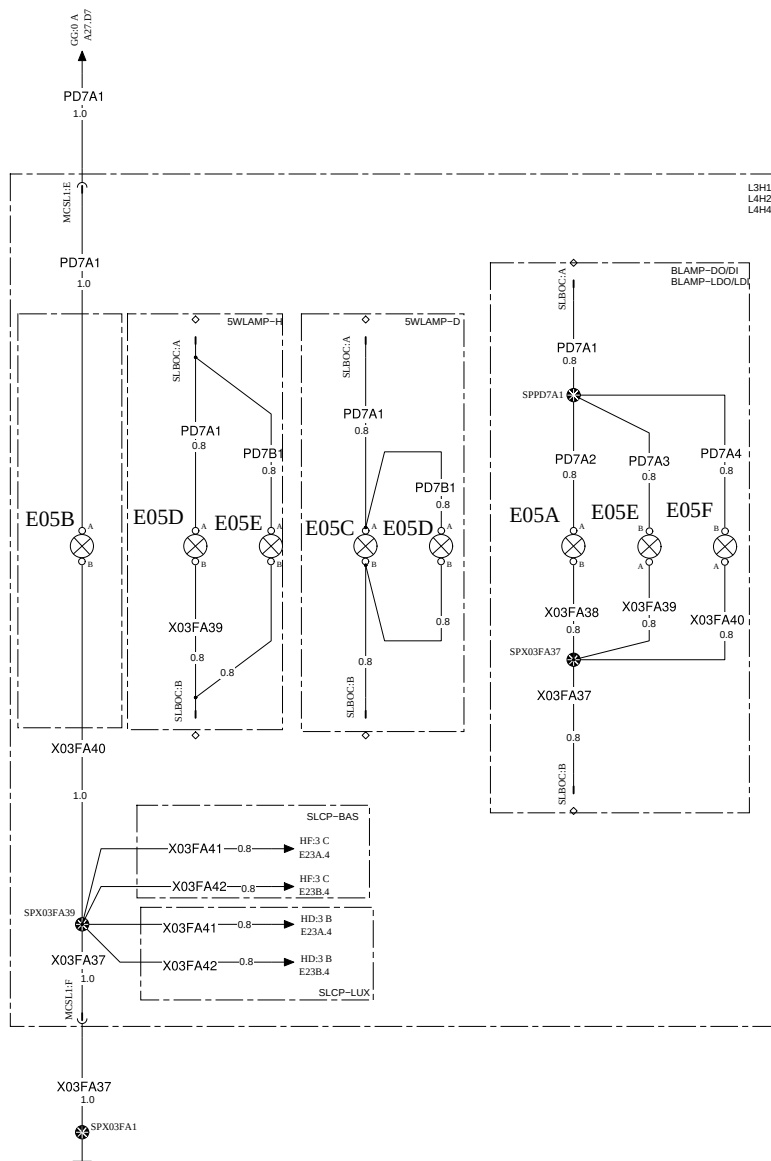




BACK OF CAB LAMPS L3-L5

WIRING DIAGRAM : GH

BATT	_____	BATT
IGN	_____	IGN
DR	_____	DR
ACC	_____	ACC
ILLUM	_____	ILLUM



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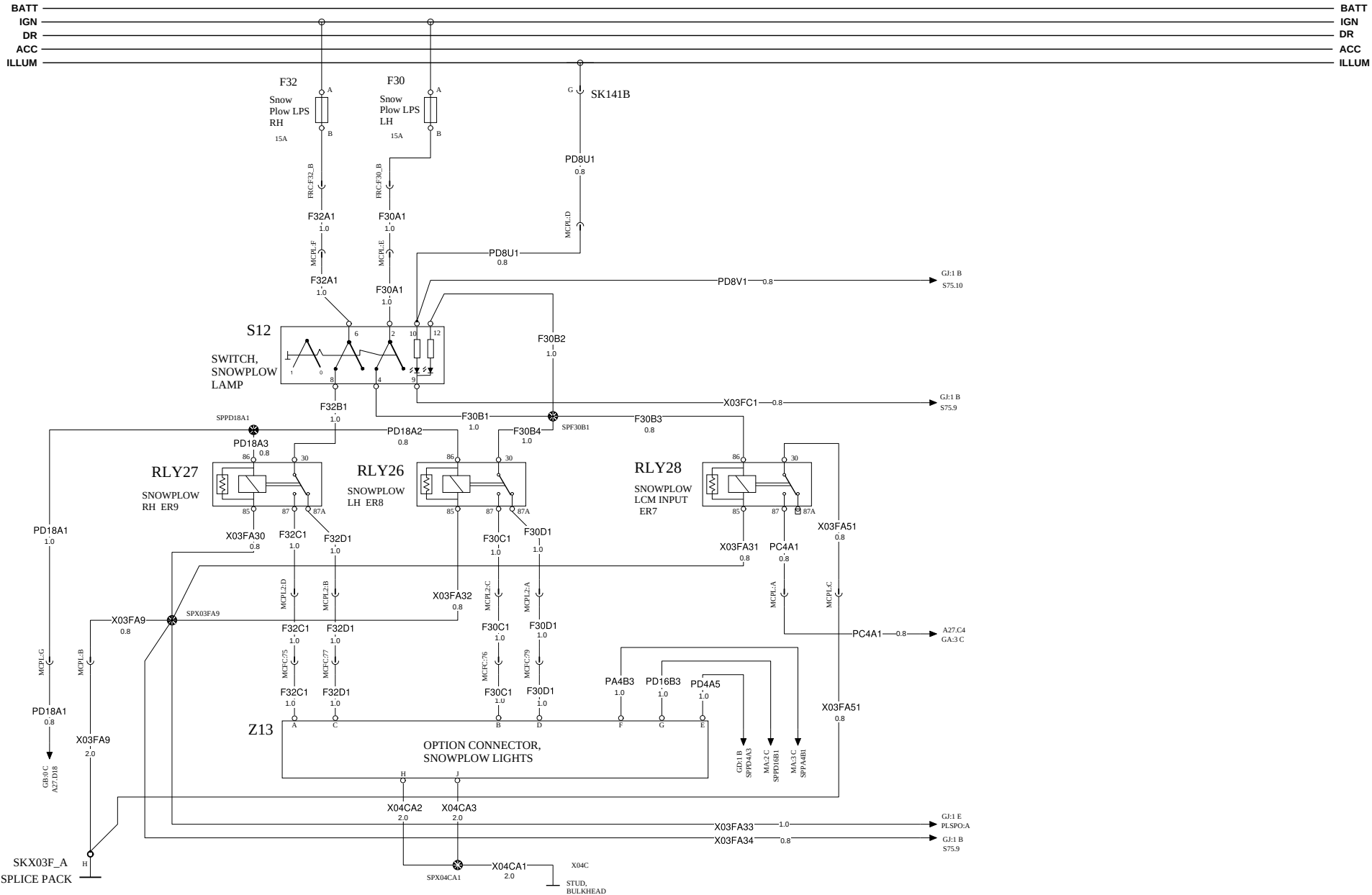
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SNOWPLOW & BEACON LAMPS

WIRING DIAGRAM : GI



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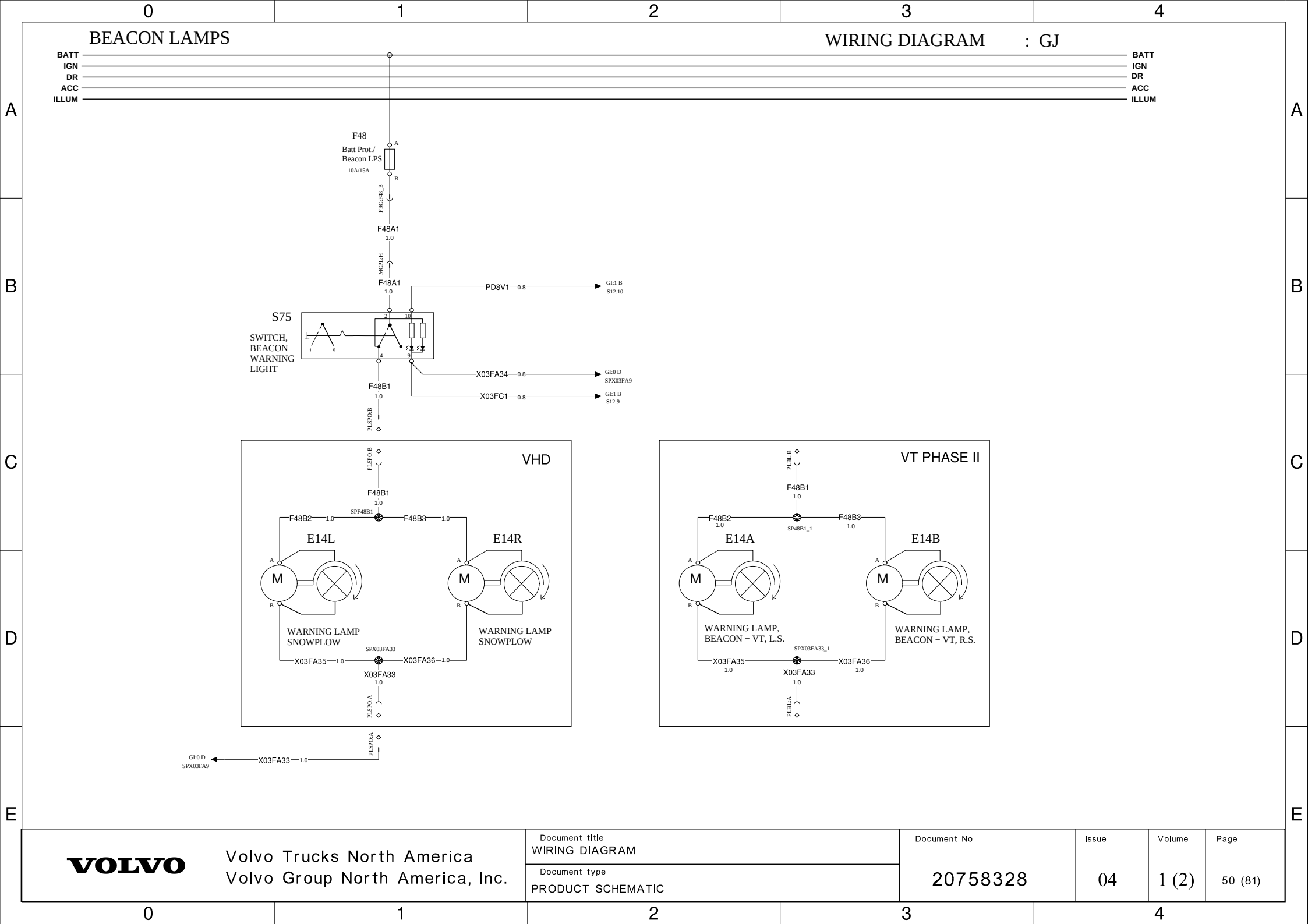
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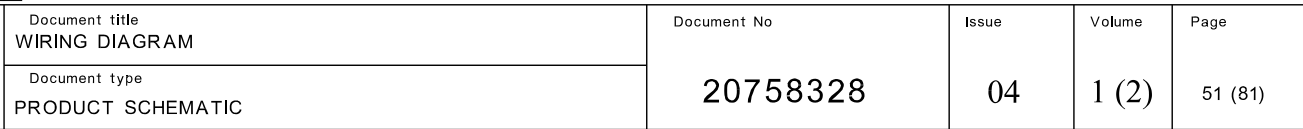
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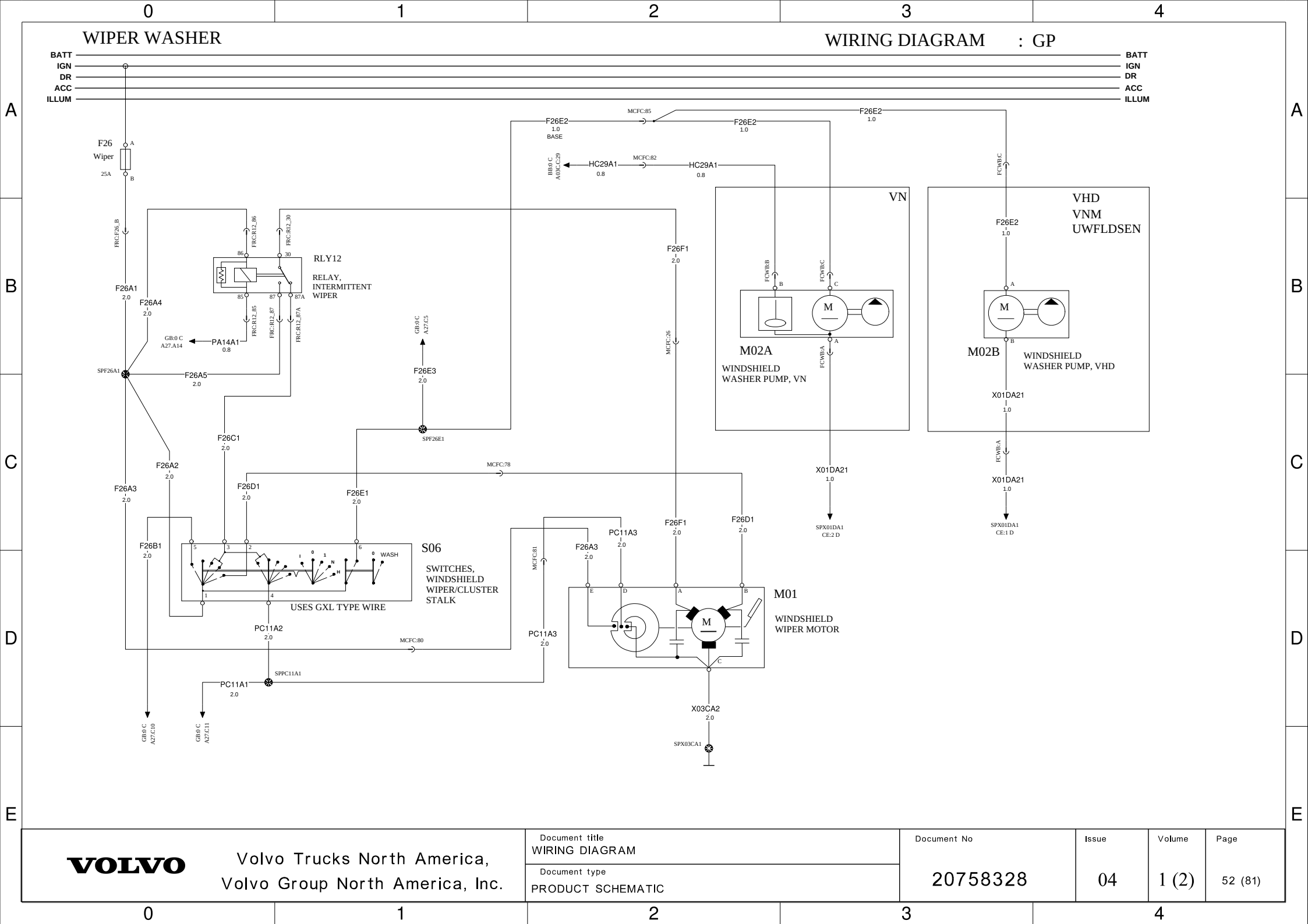
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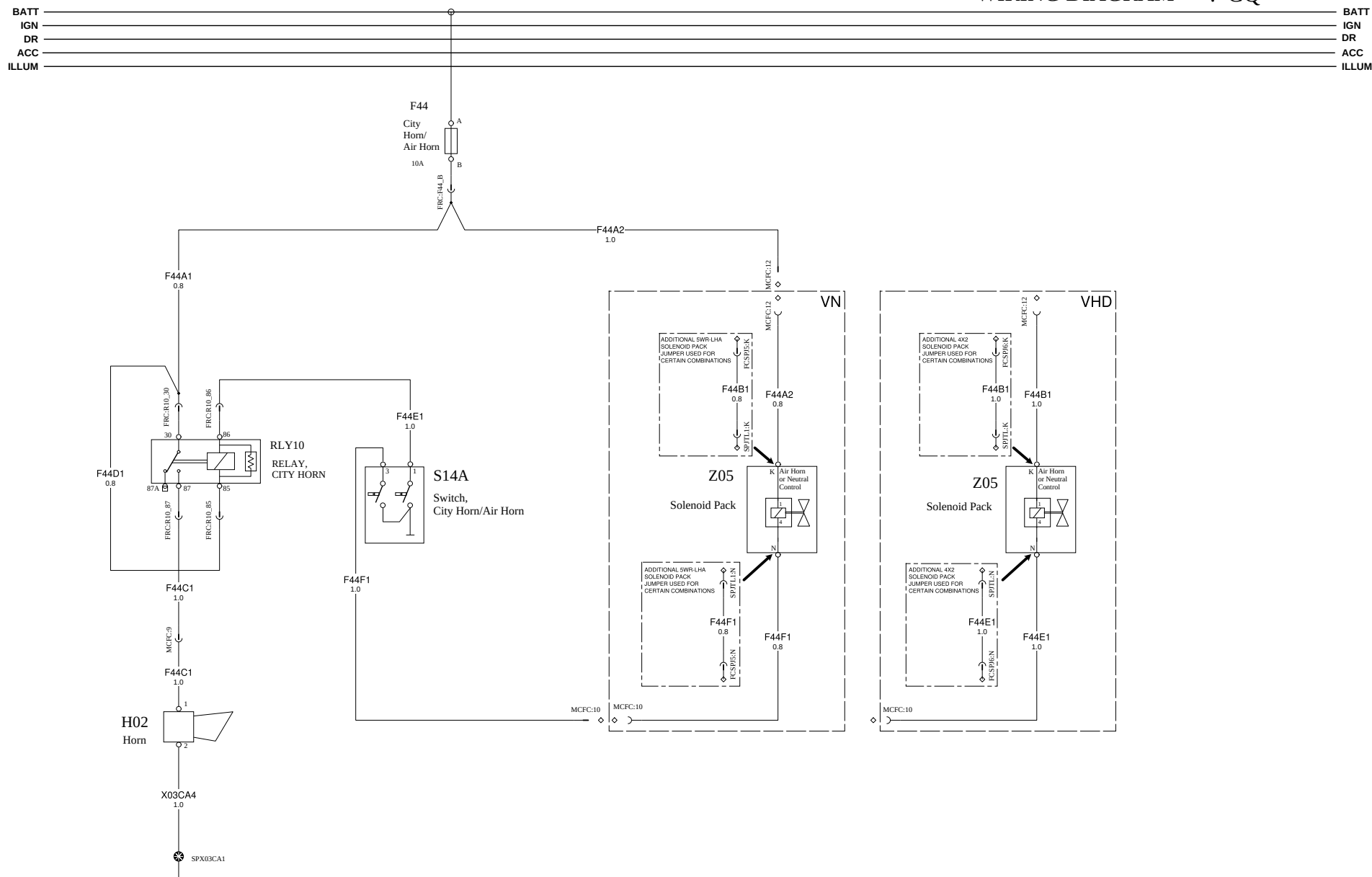
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WIRING DIAGRAM : GK



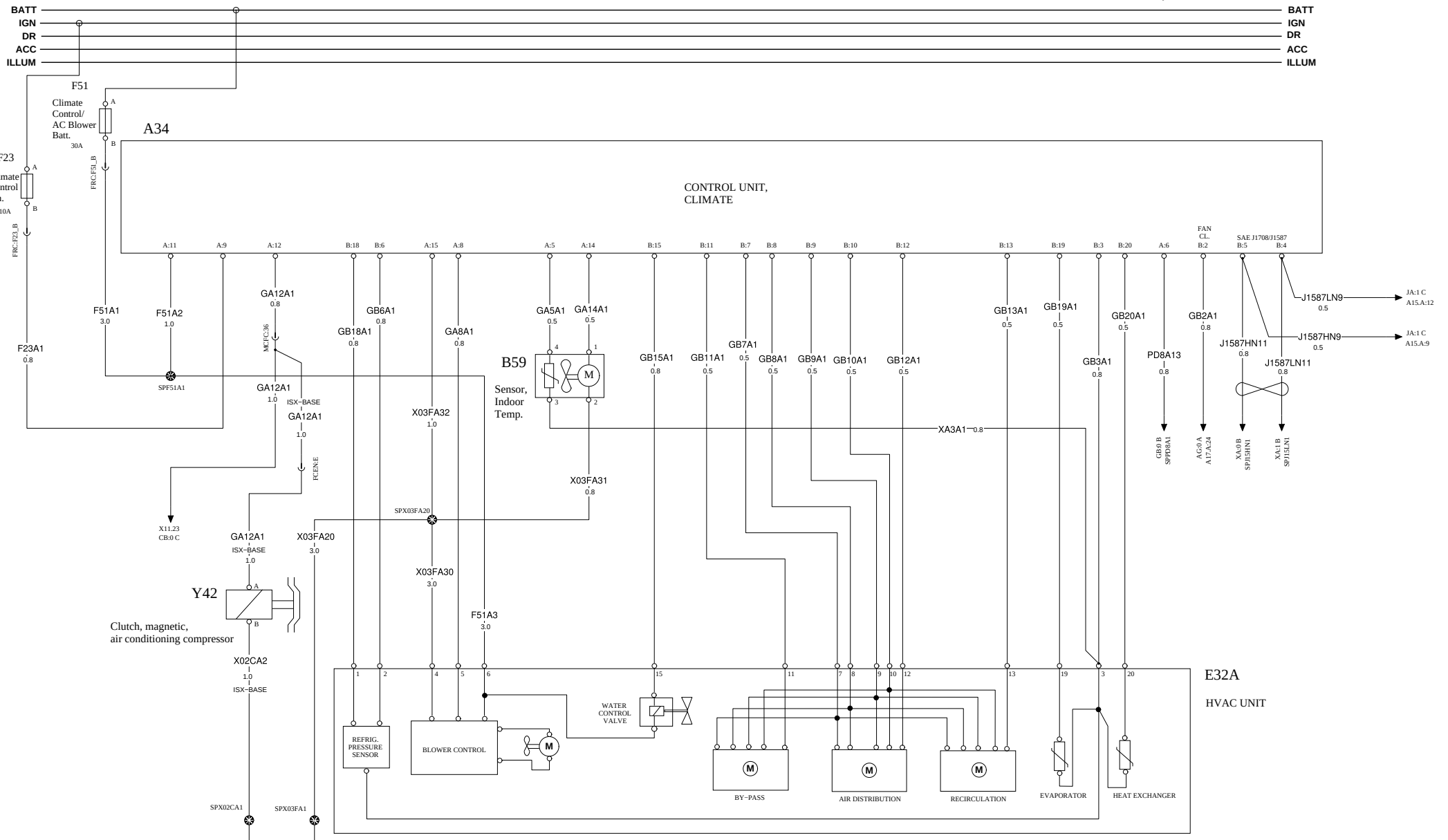


WIRING DIAGRAM : GQ



CLIMATE CONTROL

WIRING DIAGRAM : HA

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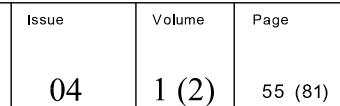
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WIRING DIAGRAM : HB

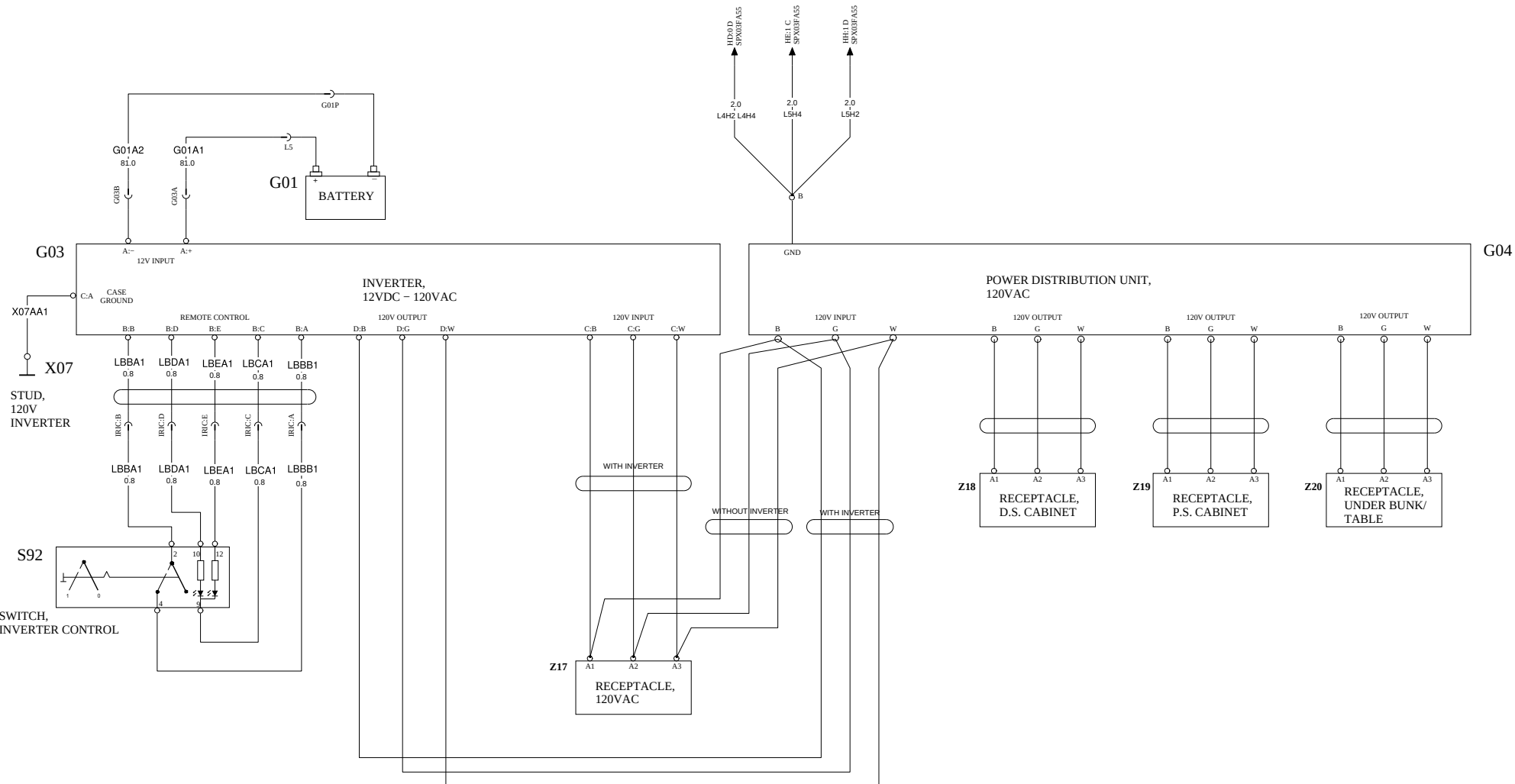


SHORE POWER / INVERTER

WIRING DIAGRAM : HC

BATT
IGN
DR
ACC
ILLUM

BATT
IGN
DR
ACC
ILLUM

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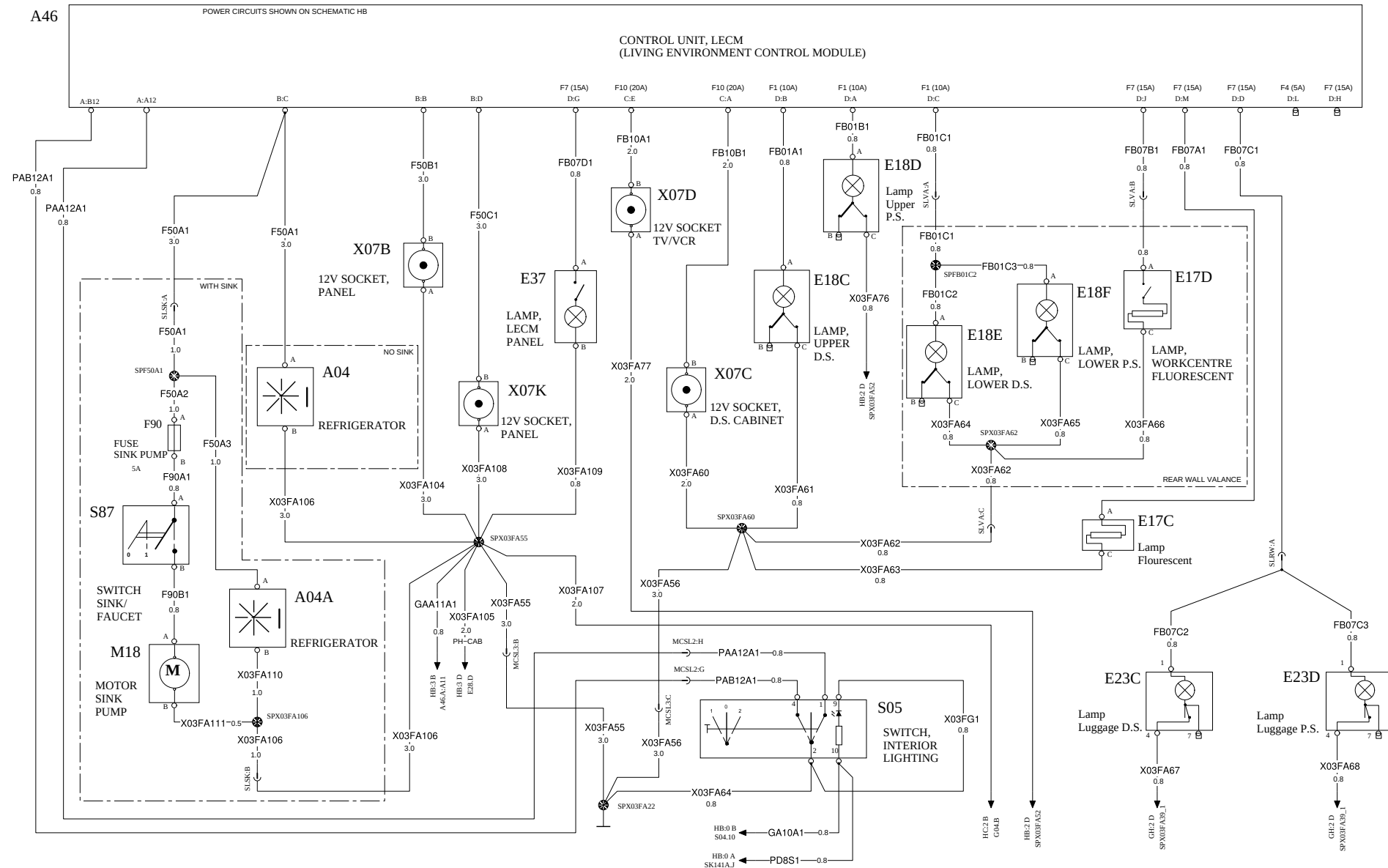
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WIRING DIAGRAM : HD

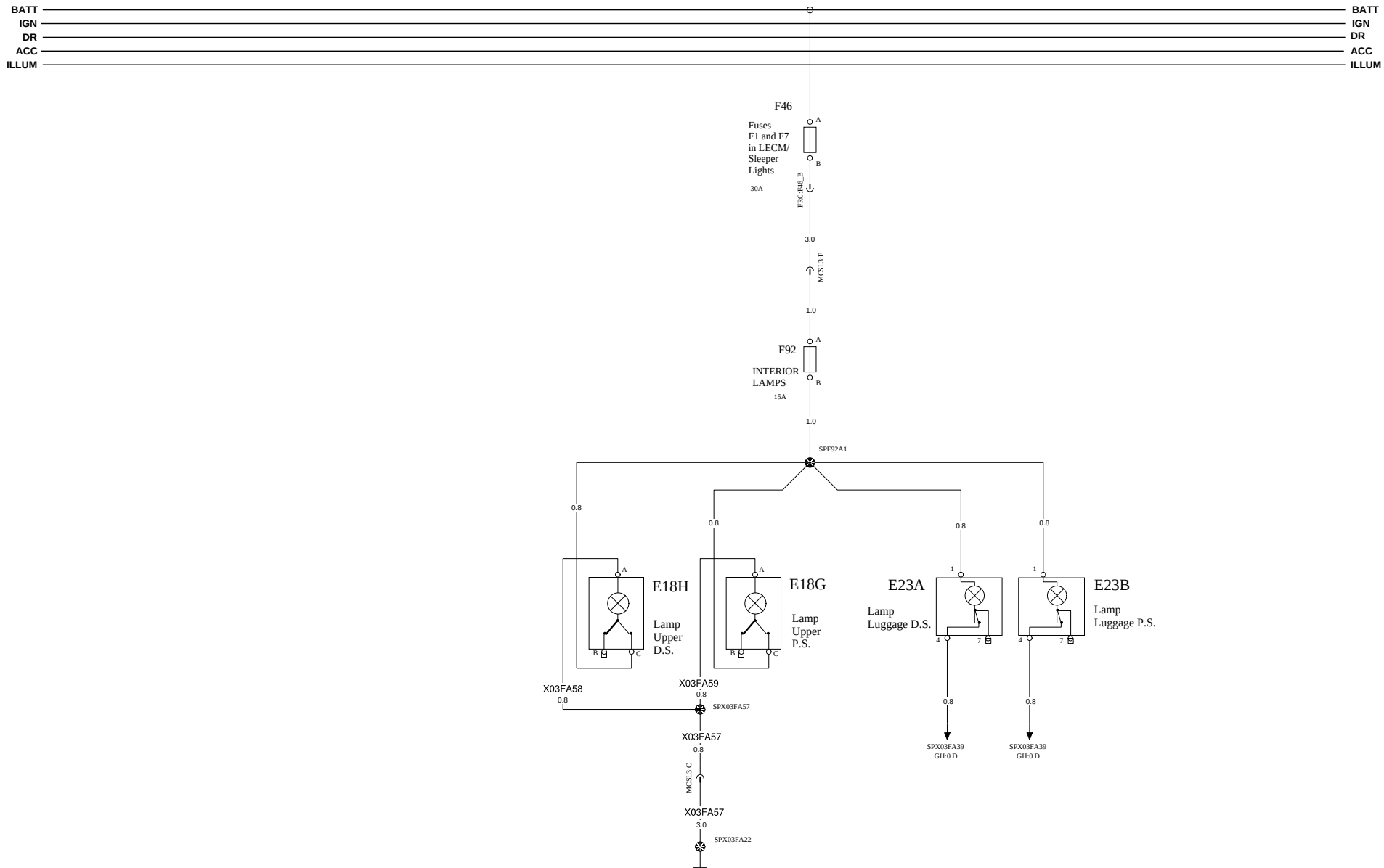
[illegible]

- BATT
- IGN
- DR
- ACC
- ILLUM



L3 SLEEPER FUNCTIONS W/O LECM

WIRING DIAGRAM : HF



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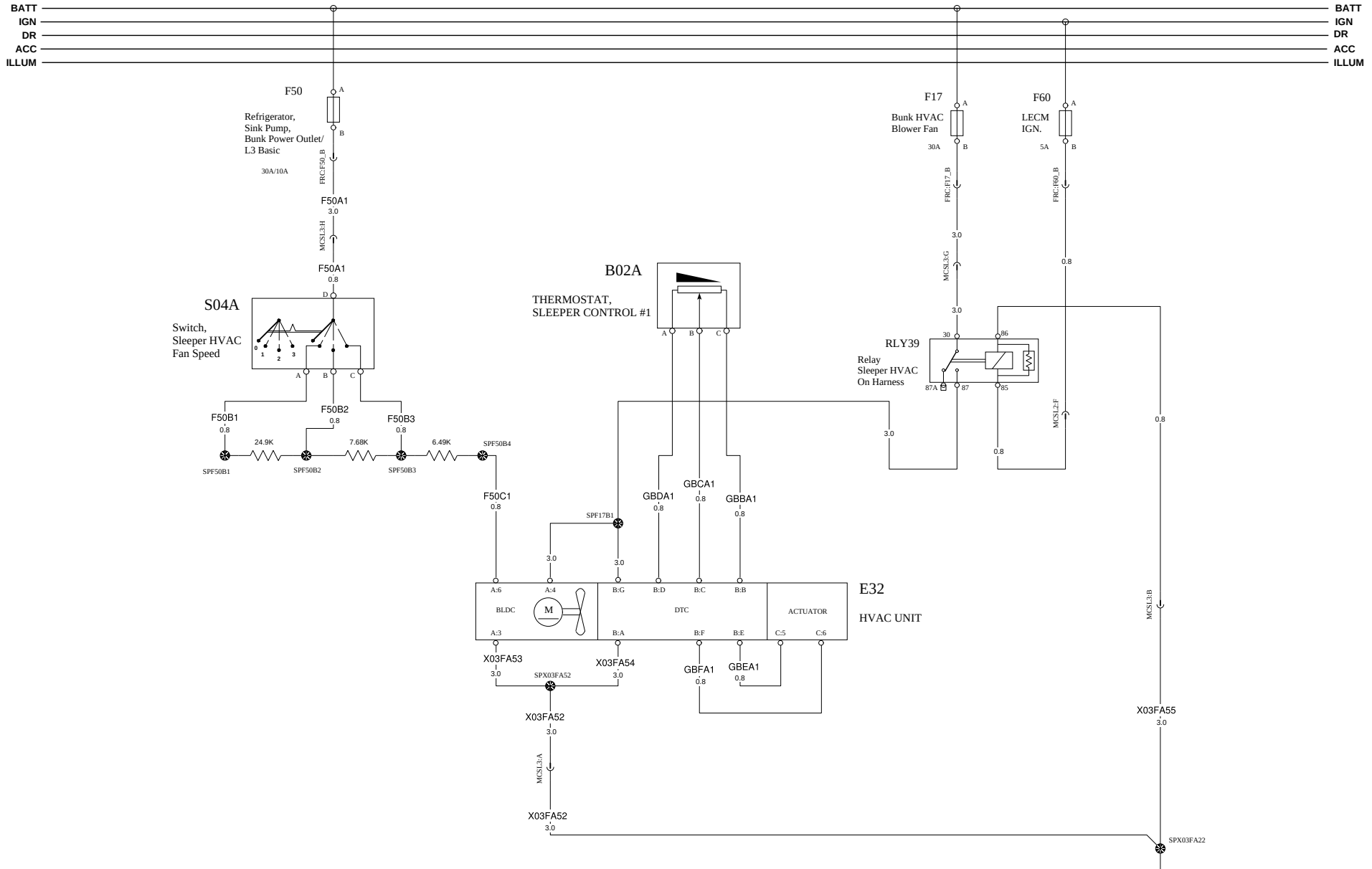
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SLEEPER CLIMATE CONTROL W/O LECM L3

WIRING DIAGRAM : HG



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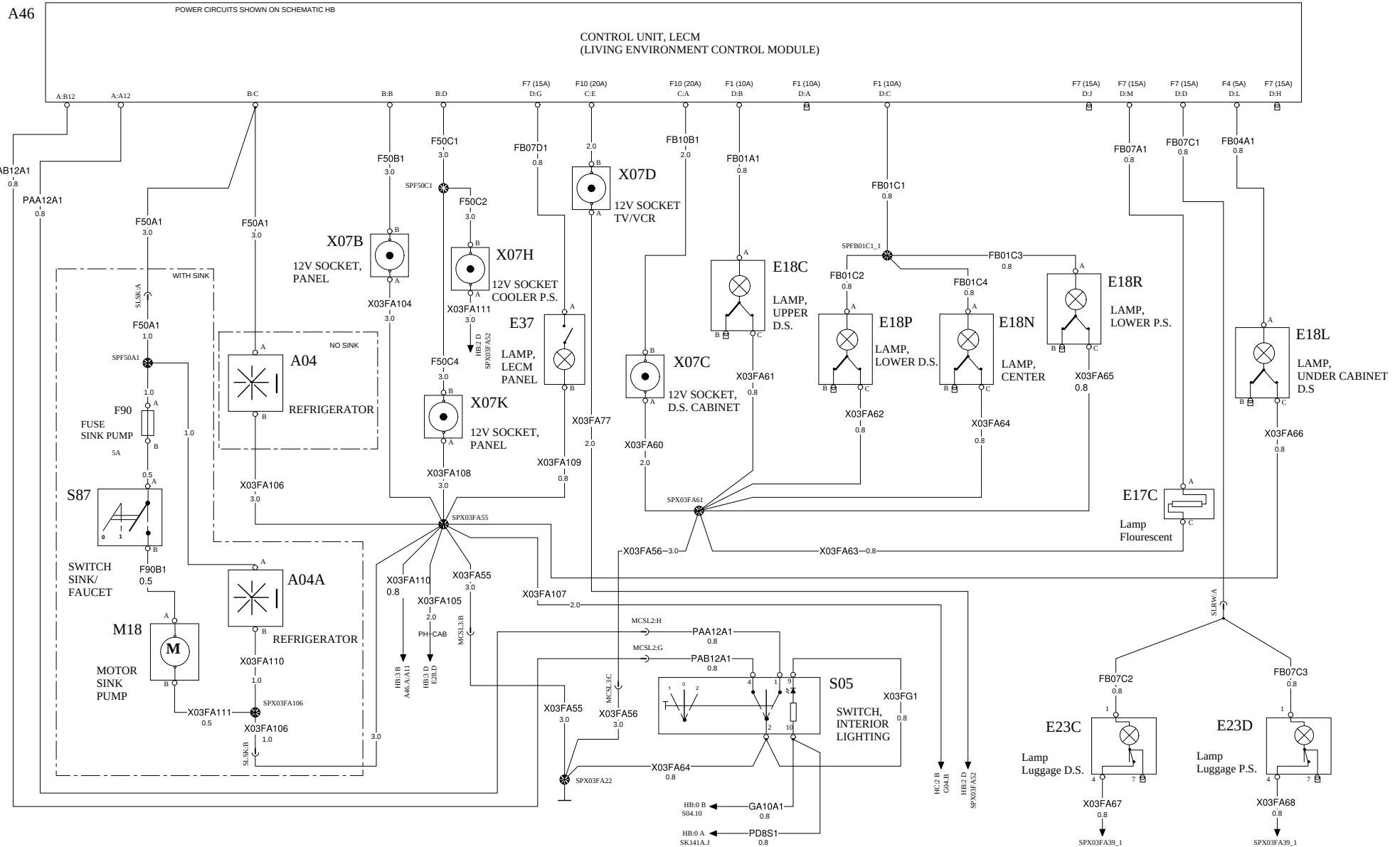
L5H2 SLEEPER FUNCTIONS / LIGHTING / REFRIGERATOR

WIRING DIAGRAM

: HH

BATT
IGN
DR
ACC
ILLUM

BATT
IGN
DR
ACC
ILLUM



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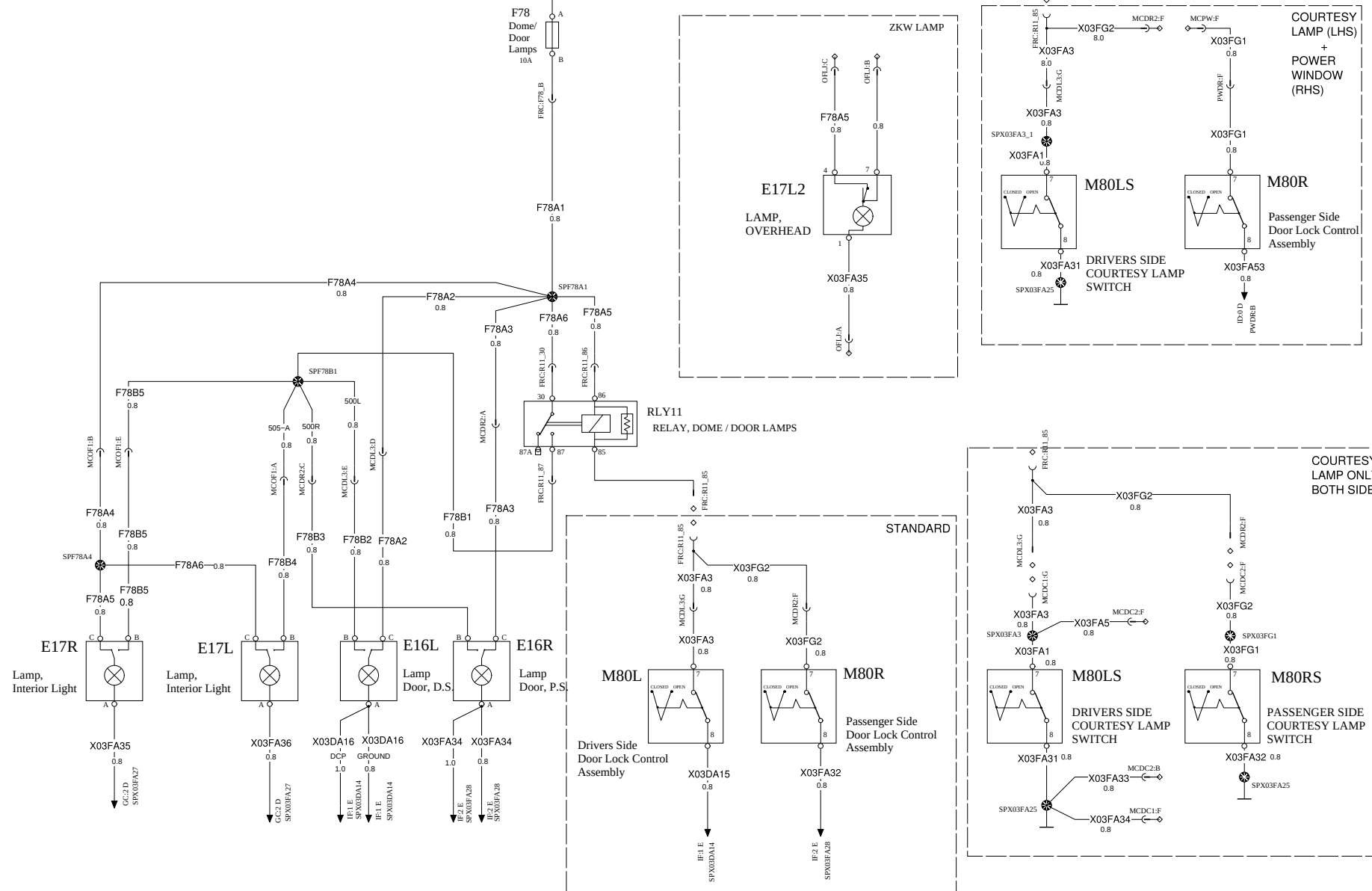
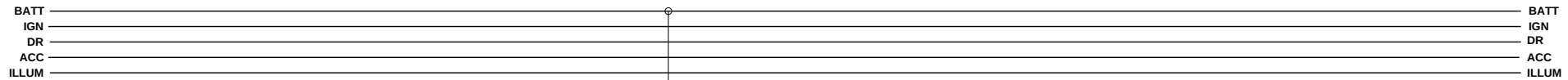
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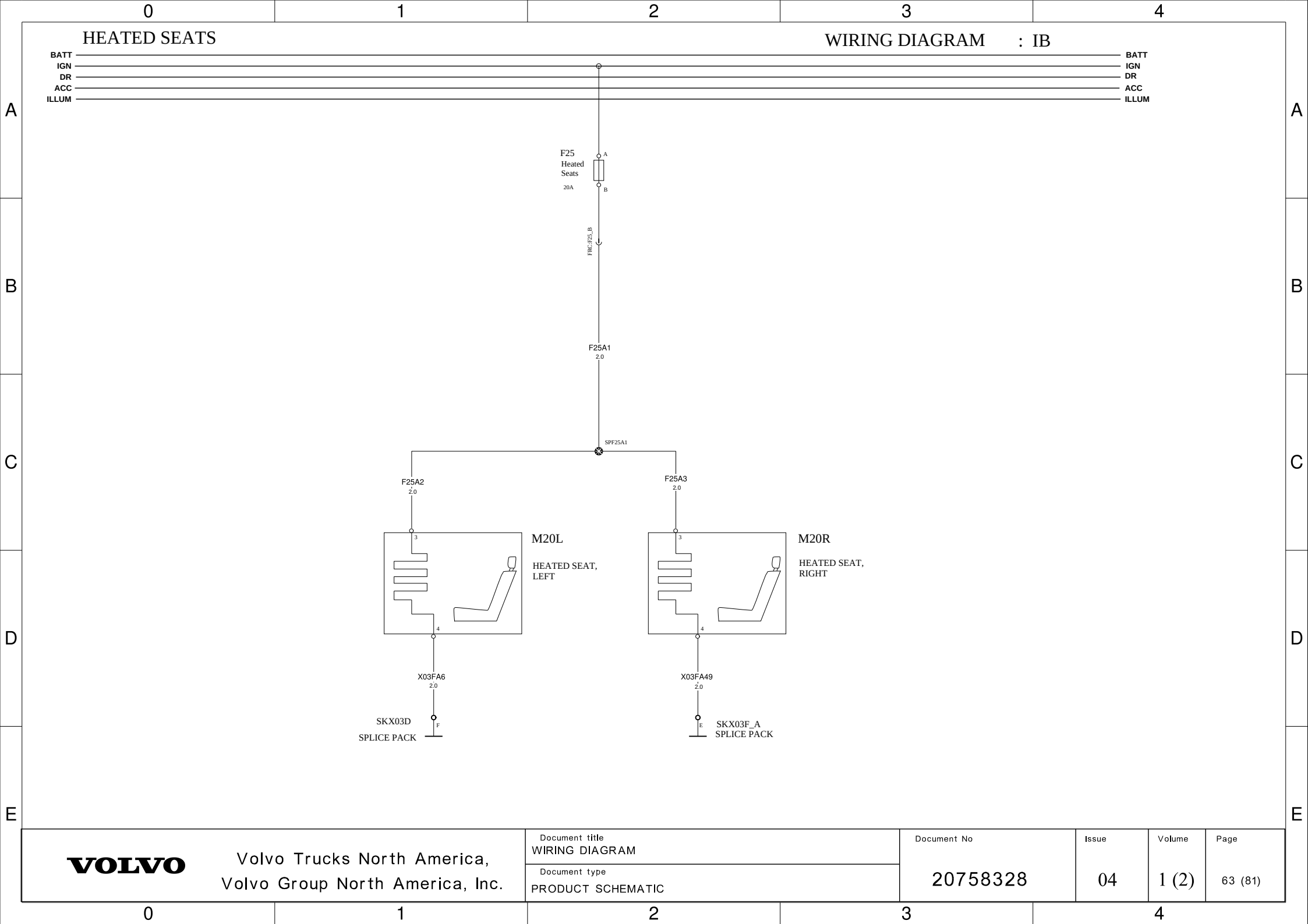
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INTERIOR COURTESY LIGHTS

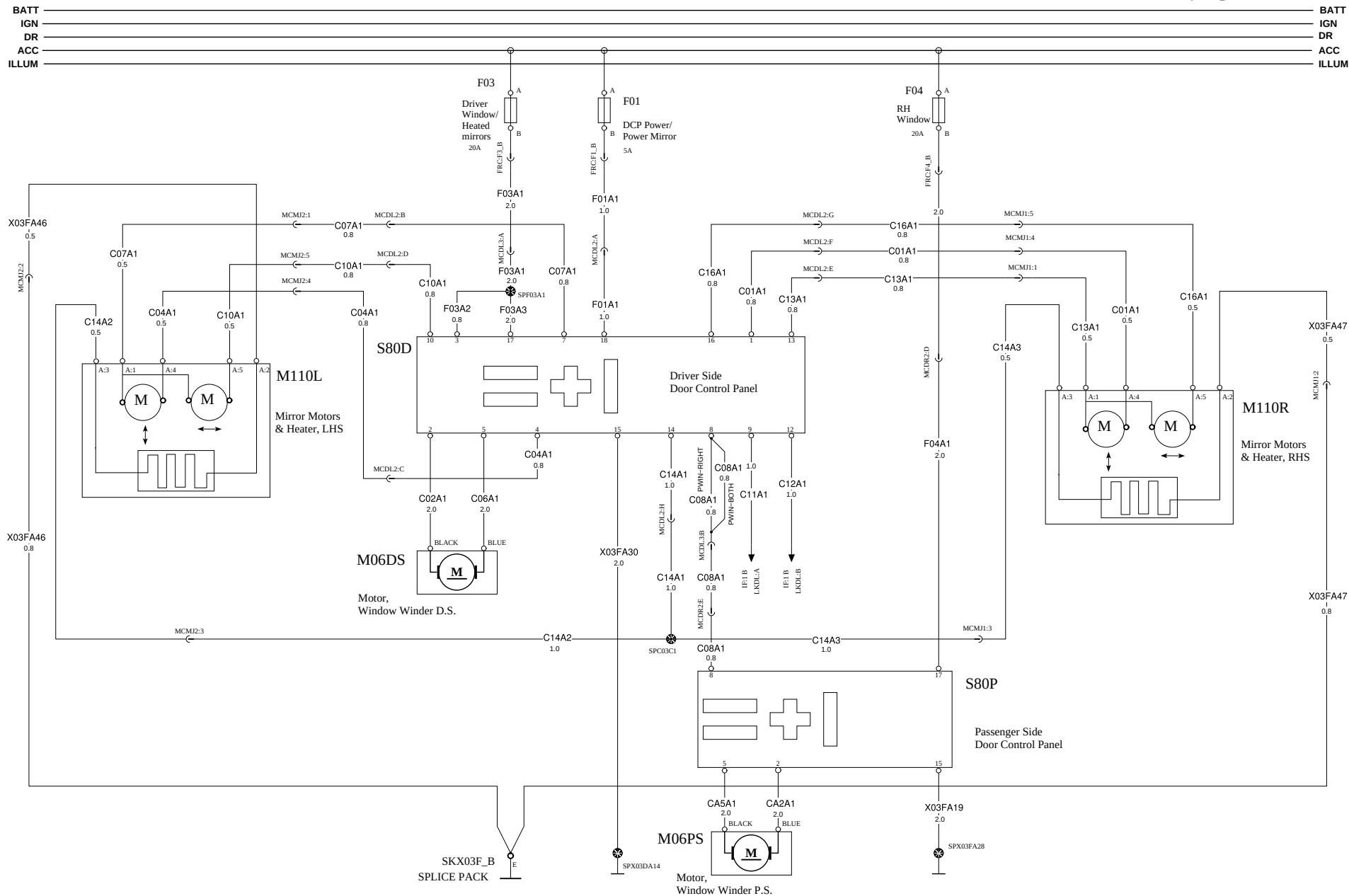
WIRING DIAGRAM : IA





POWER WINDOWS / MIRRORS W. DCP

WIRING DIAGRAM : IC



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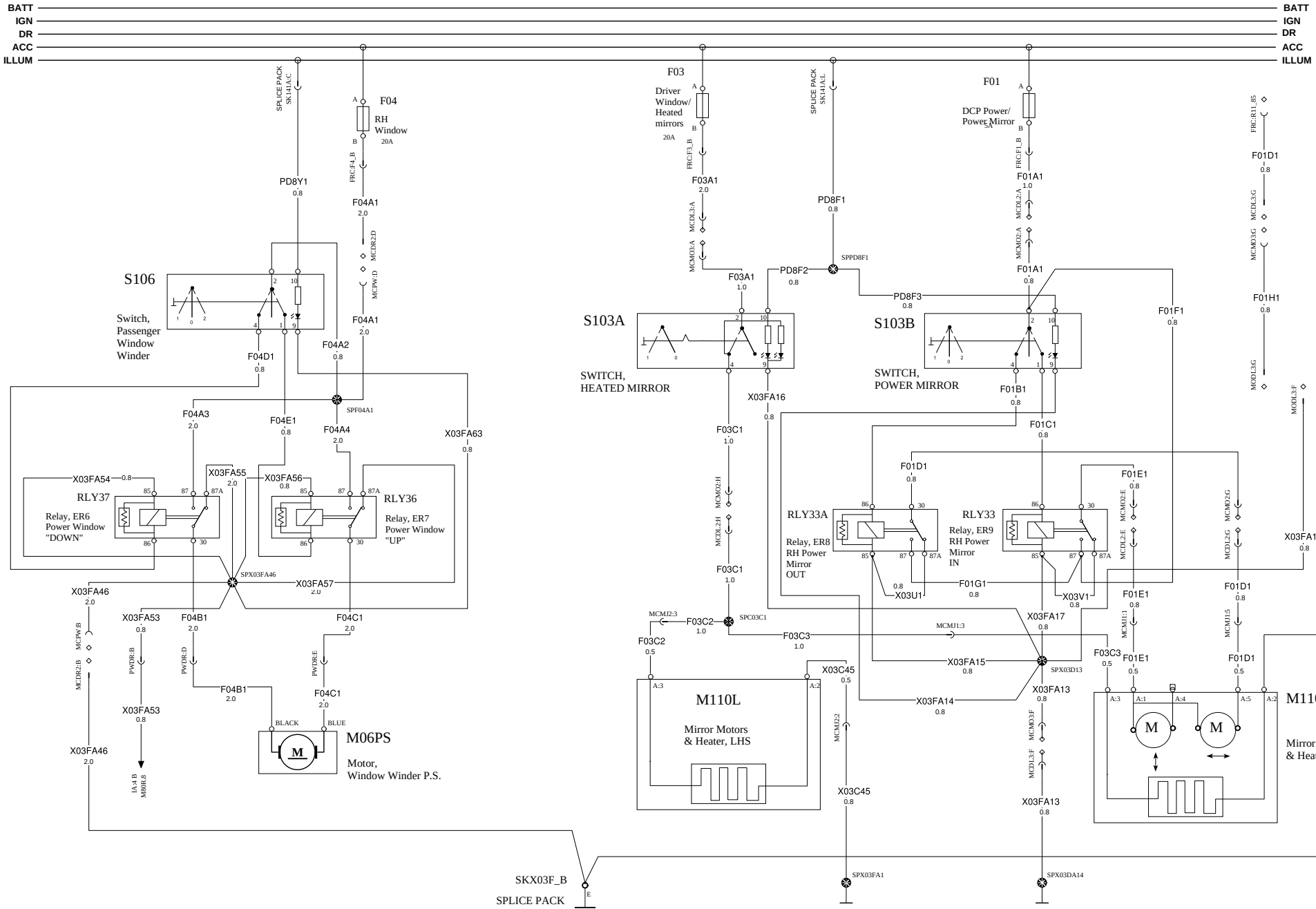
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POWER WINDOWS/MIRRORS W/O DRIVER CONTROL PANEL

WIRING DIAGRAM : ID



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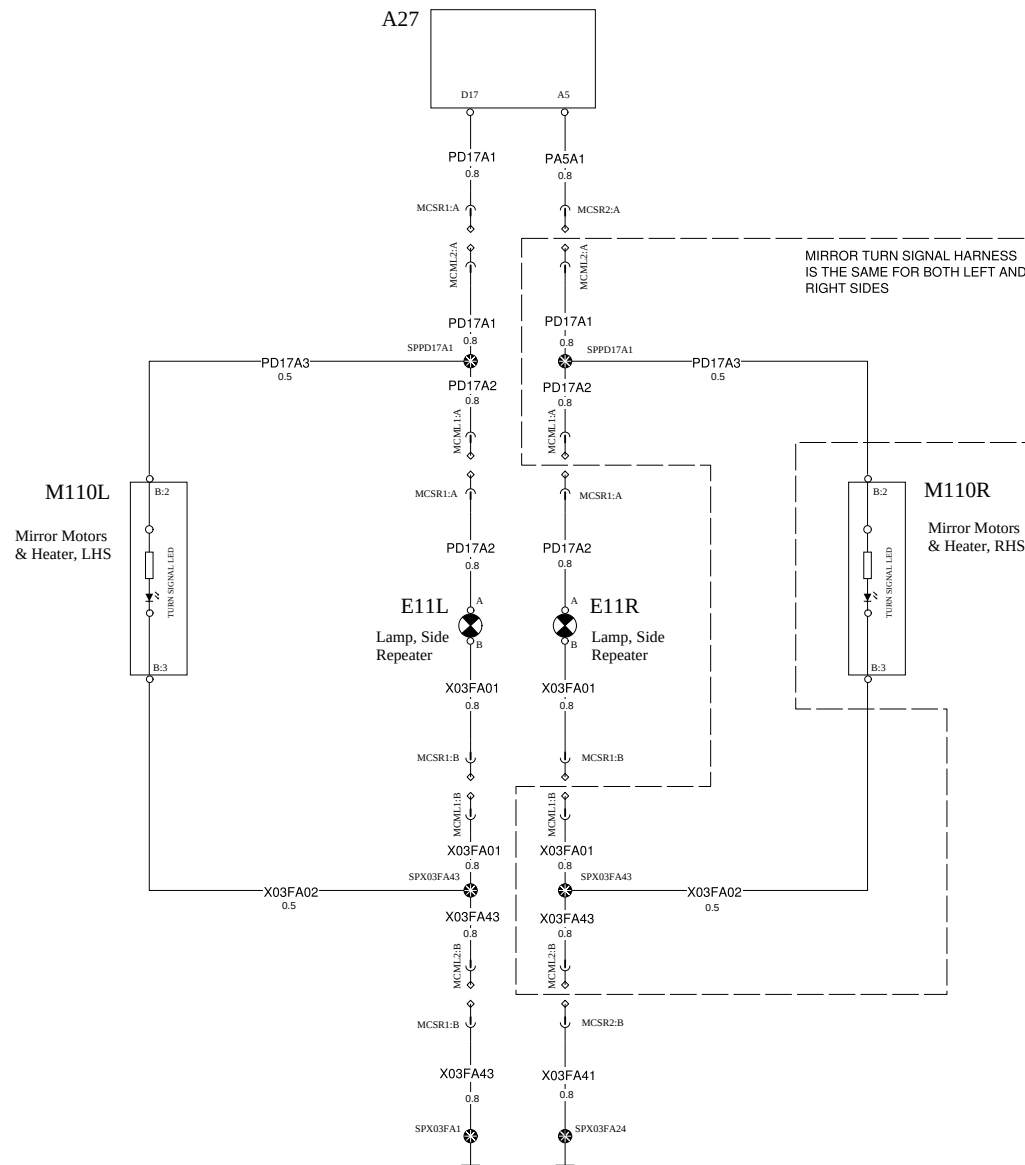
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POWER WINDOWS / MIRRORS WITH TURN SIGNALS

WIRING DIAGRAM : IE

BATT
IGN
DR
ACC
ILLUM

BATT
IGN
DR
ACC
ILLUM



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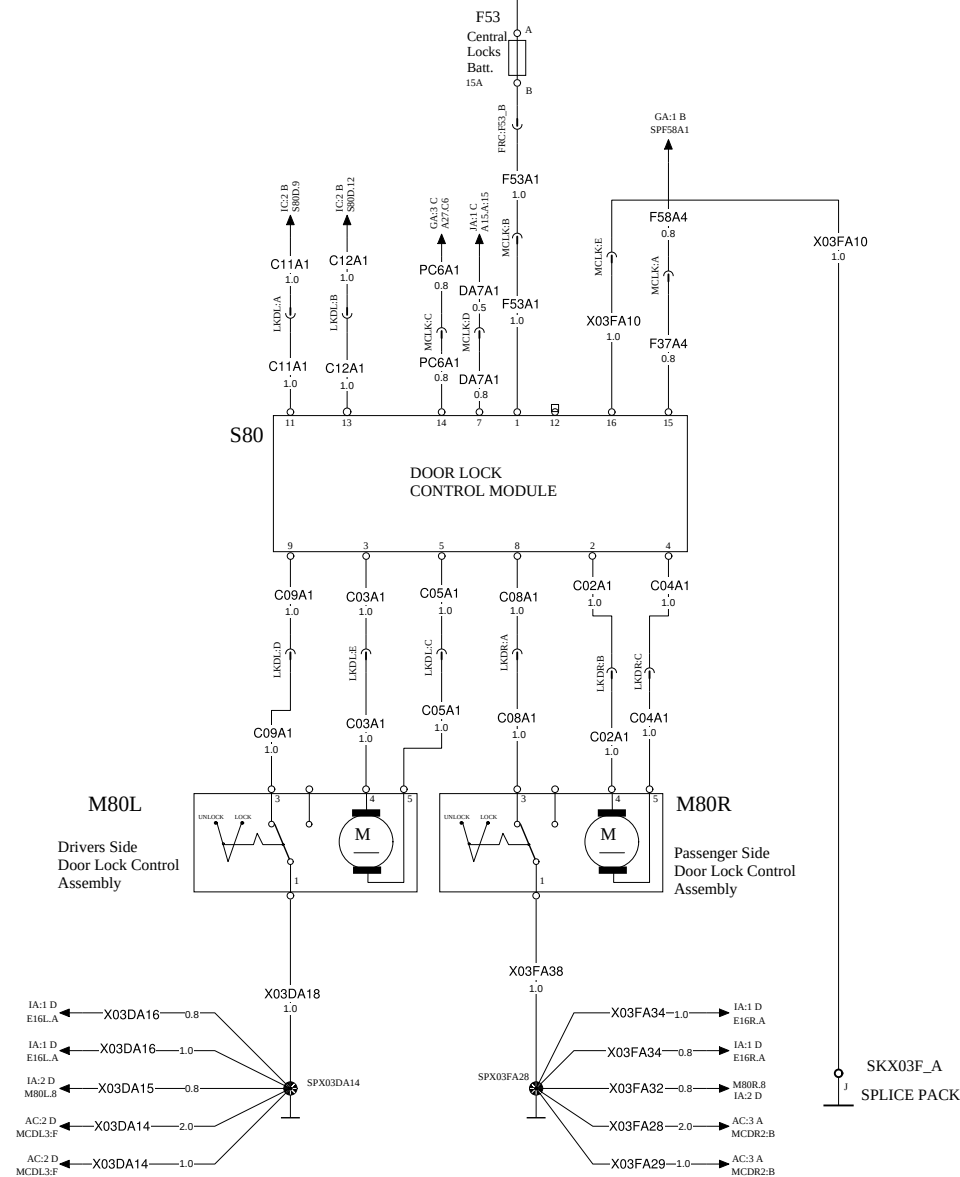
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CENTRAL/REMOTE DOOR LOCKING

WIRING DIAGRAM : IF

BATT
IGN
DR
ACC
ILLUM

BATT
IGN
DR
ACC
ILLUM

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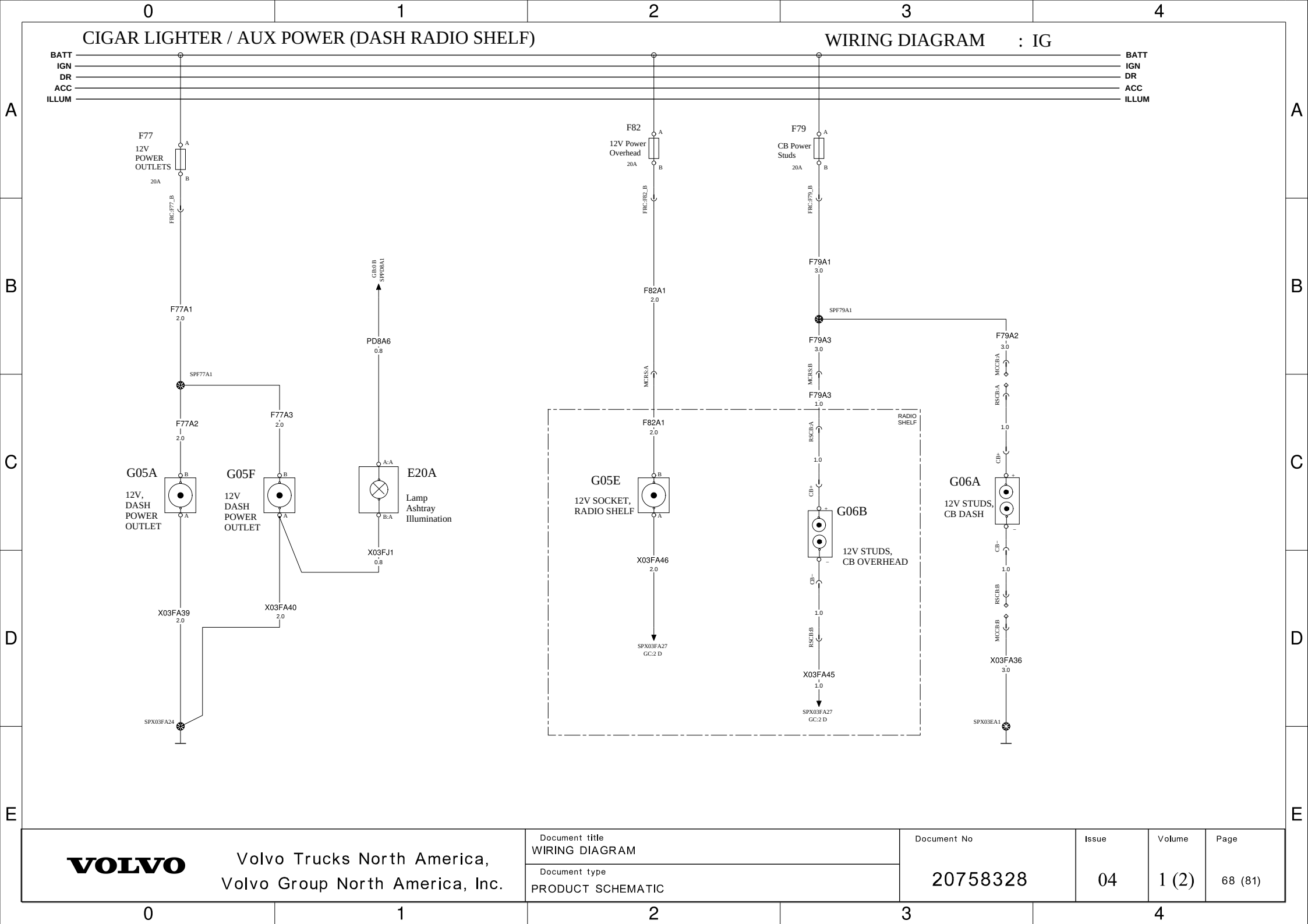
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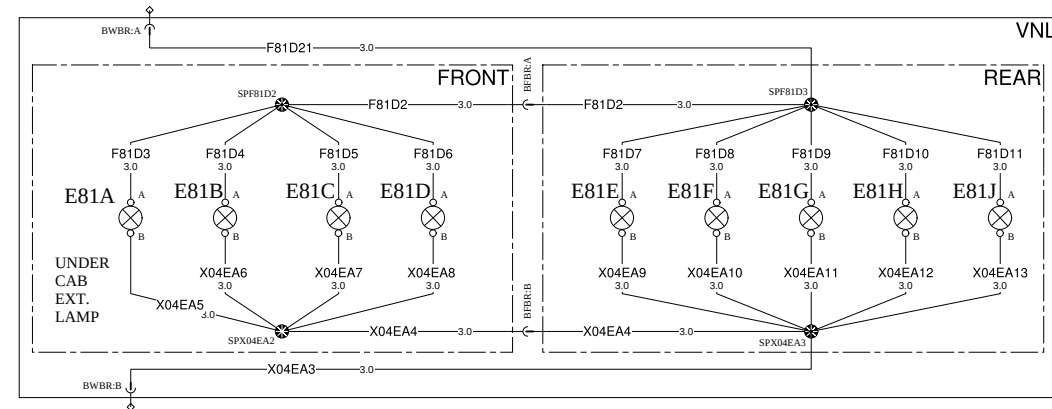
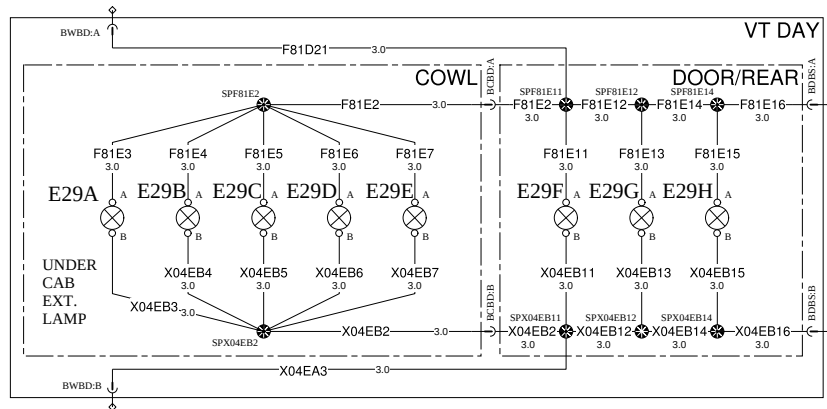
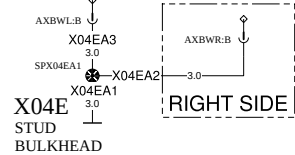
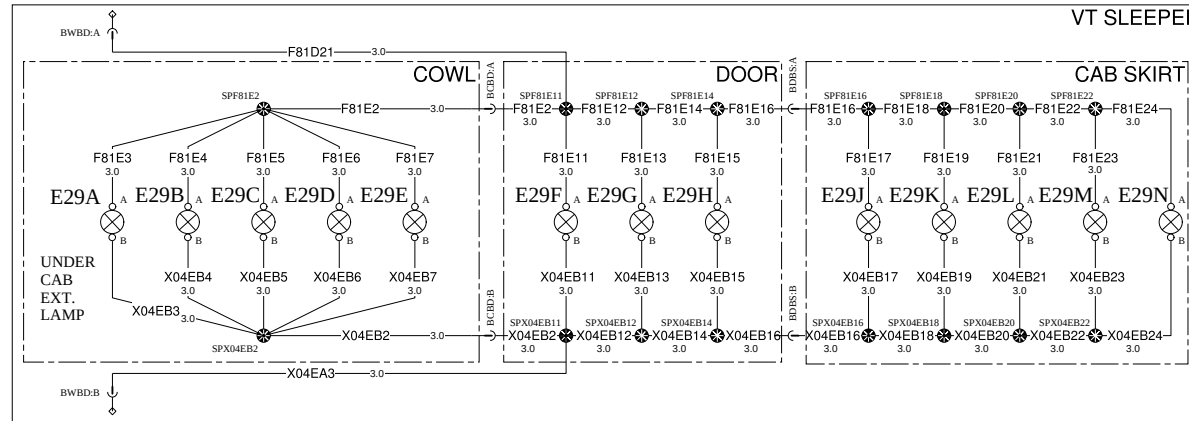
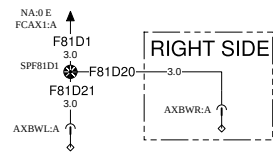


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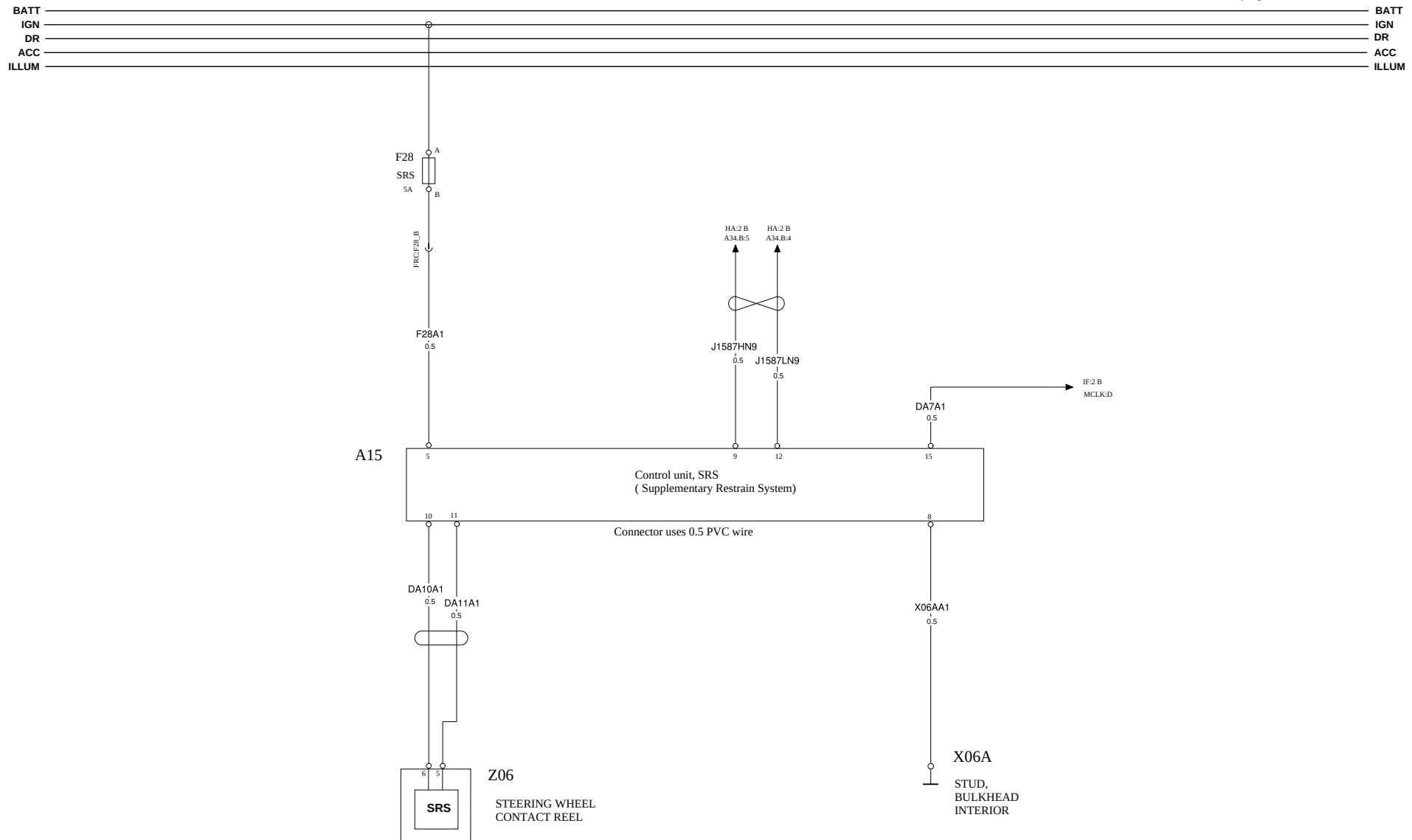
WIRING DIAGRAM : IH

BATT
IGN
DR
ACC
ILLUM

- BATT
- IGN
- DR
- ACC
- ILLUM

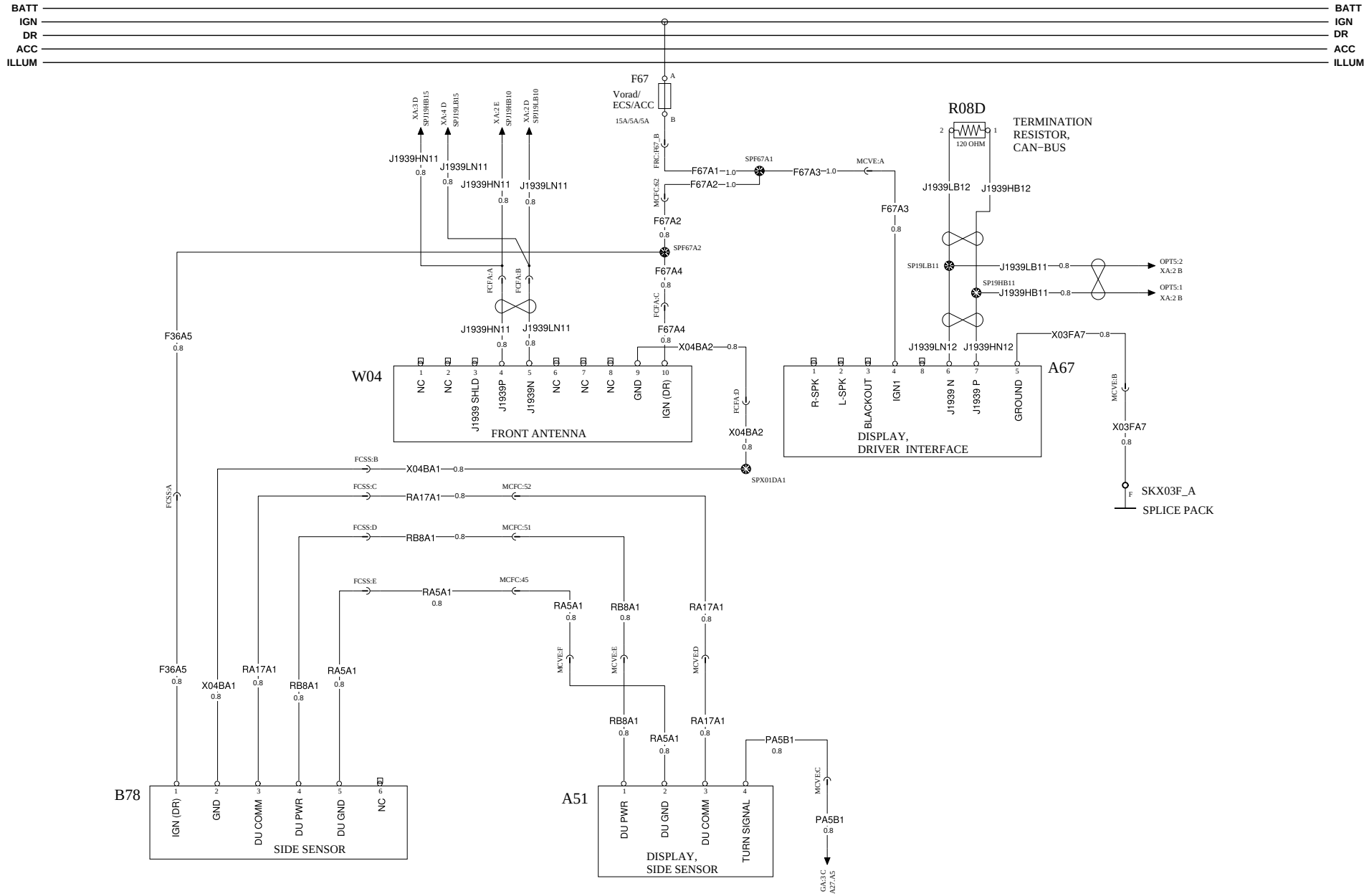


WIRING DIAGRAM : JA



VORAD SYSTEM VS400

WIRING DIAGRAM : JB



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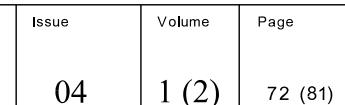
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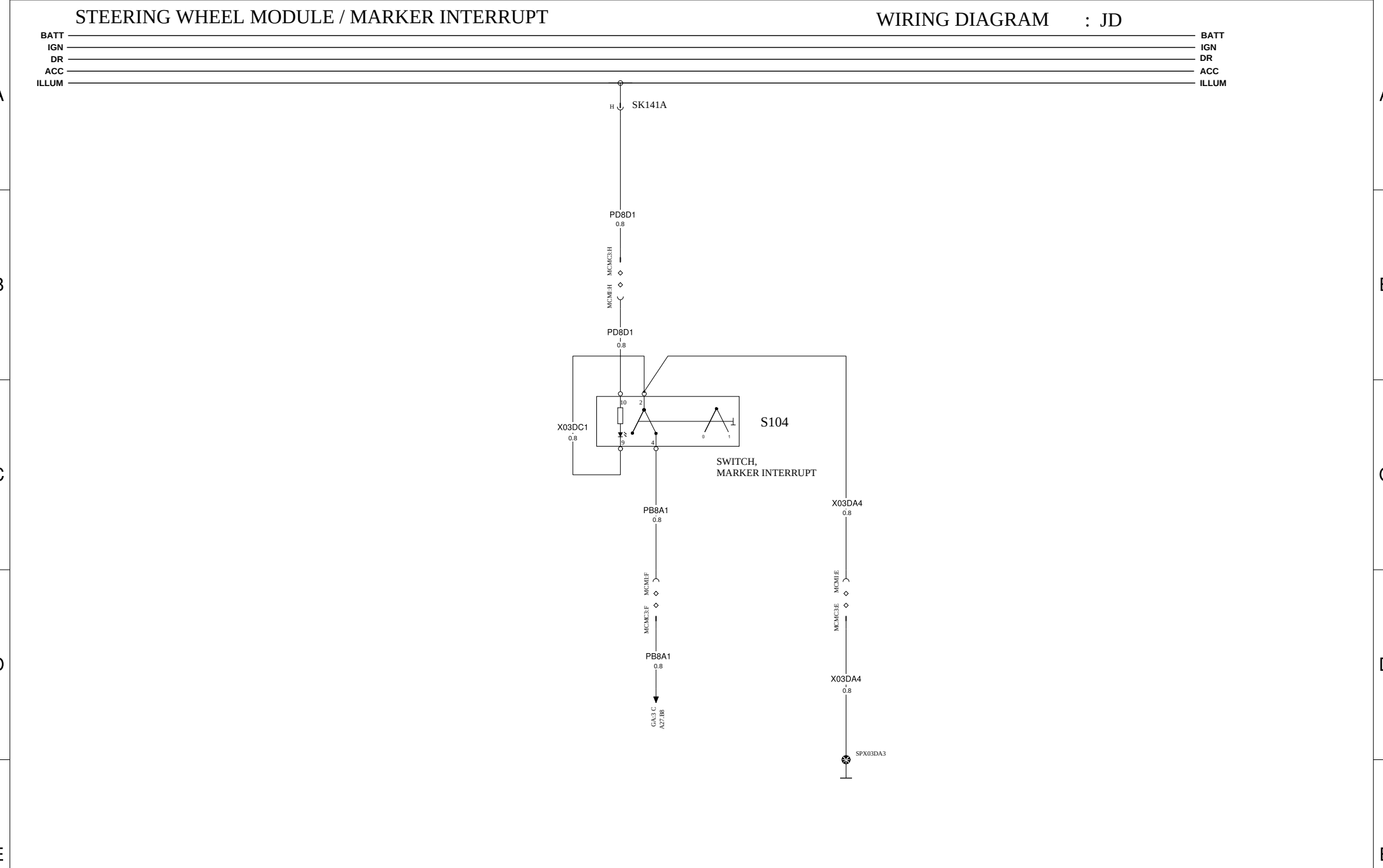
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WIRING DIAGRAM : JC



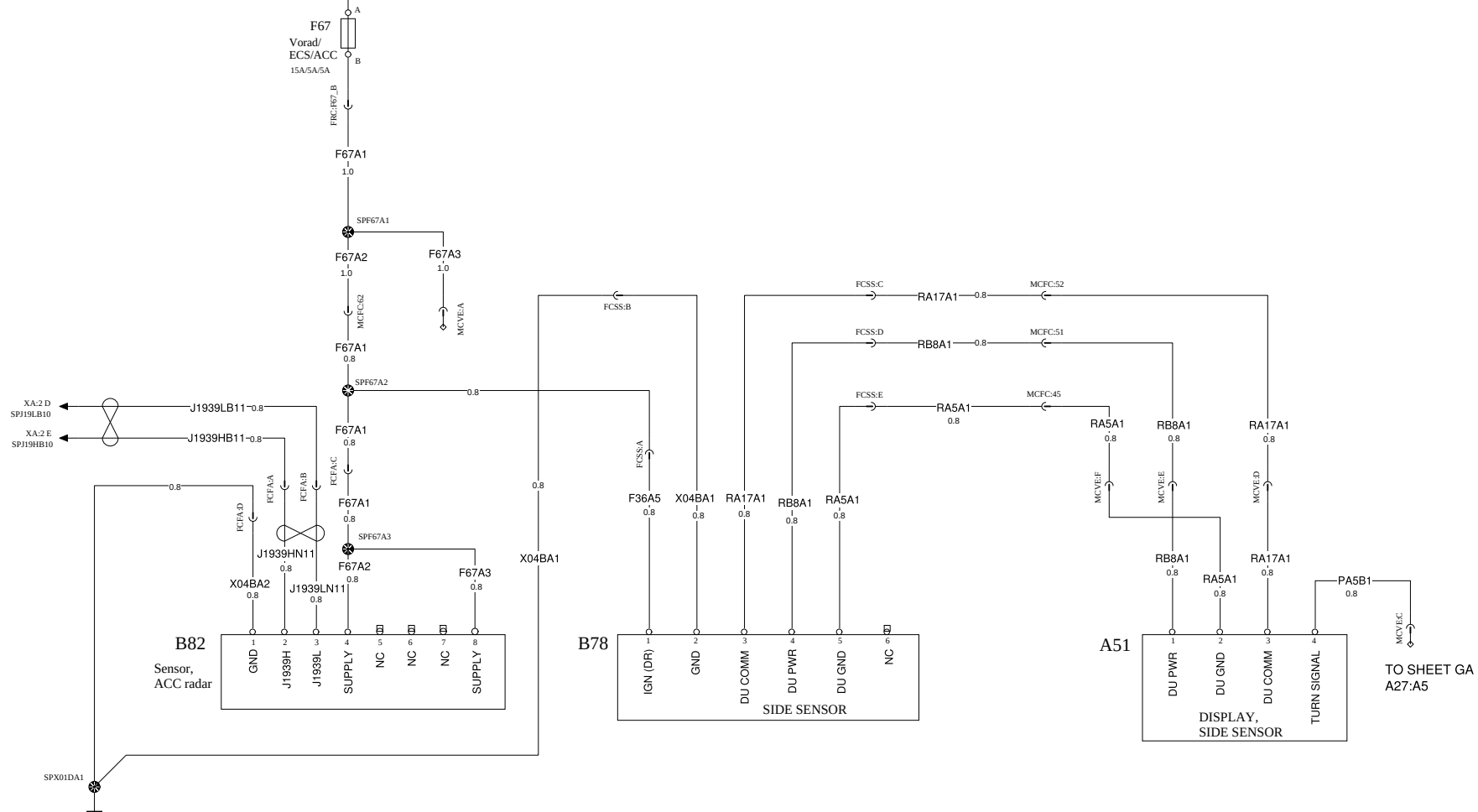


ADAPTIVE CRUISE CONTROL

WIRING DIAGRAM : JE

BATT
IGN
DR
ACC
ILLUM

BATT
IGN
DR
ACC
ILLUM

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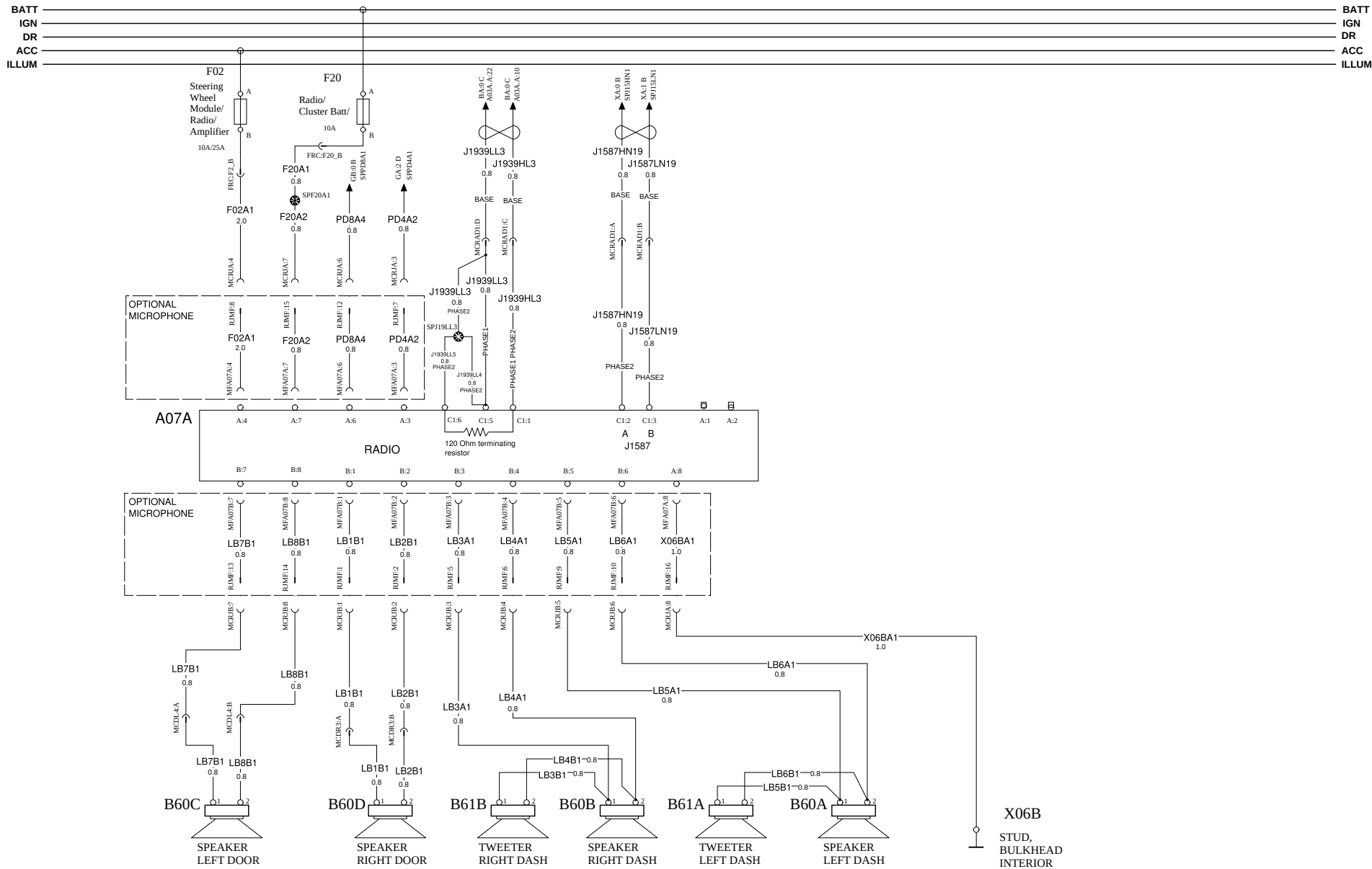
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AUDIO SYSTEM – 4 SPEAKER

WIRING DIAGRAM : KA



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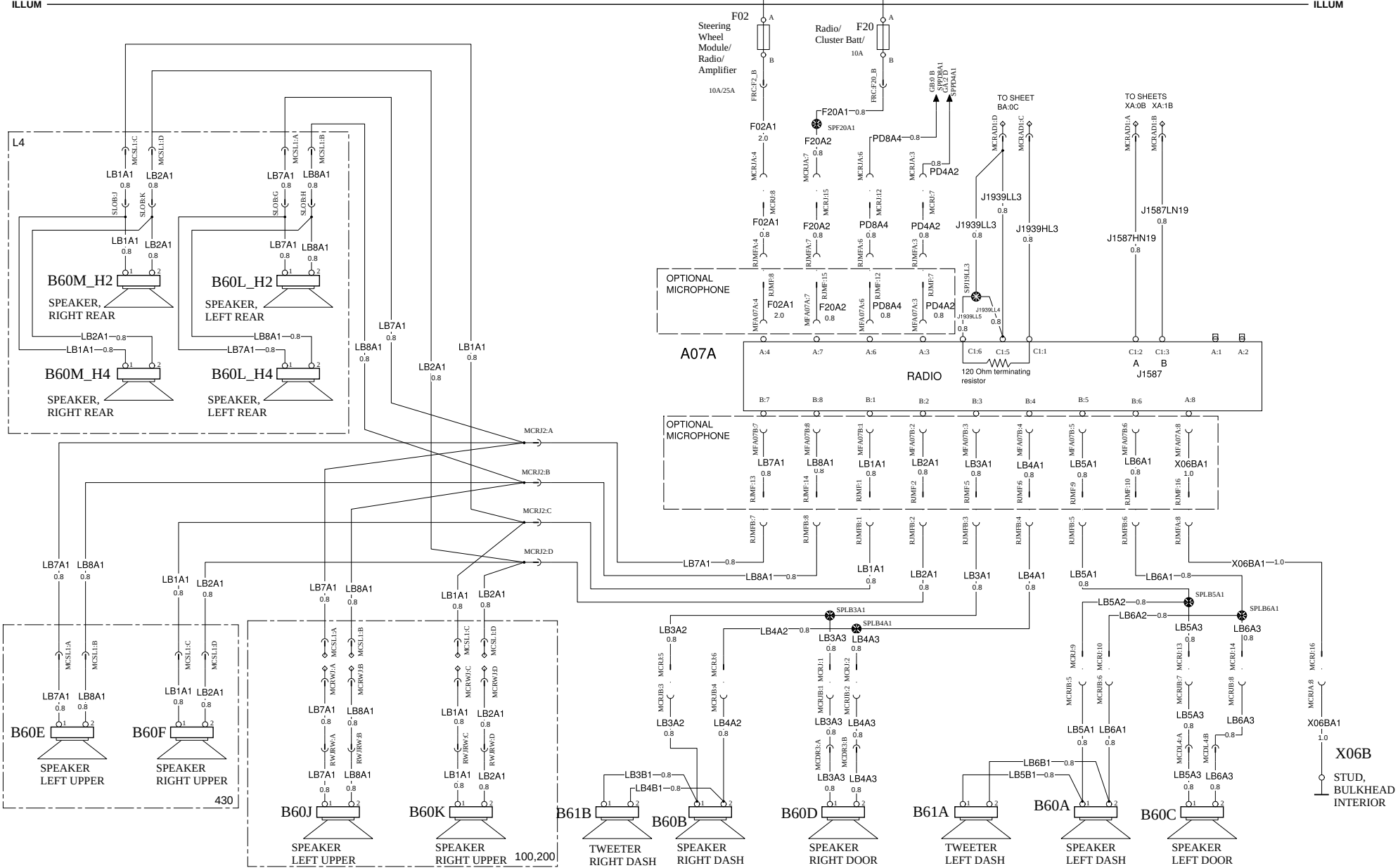
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AUDIO SYSTEM - 6 SPEAKER

WIRING DIAGRAM : KB

BATT
IGN
DR
ACC
ILLUM

BATT
IGN
DR
ACC
ILLUM



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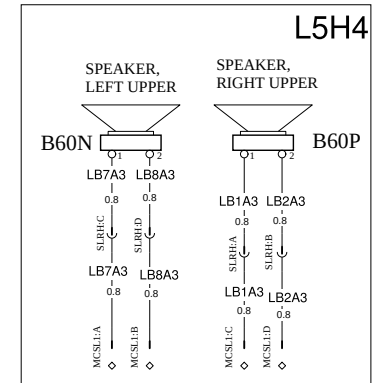
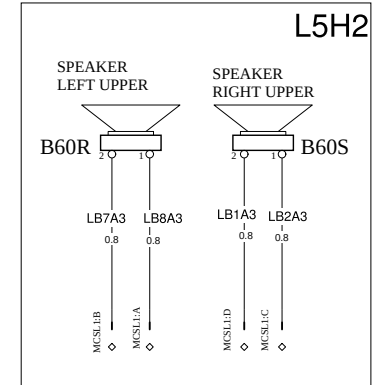
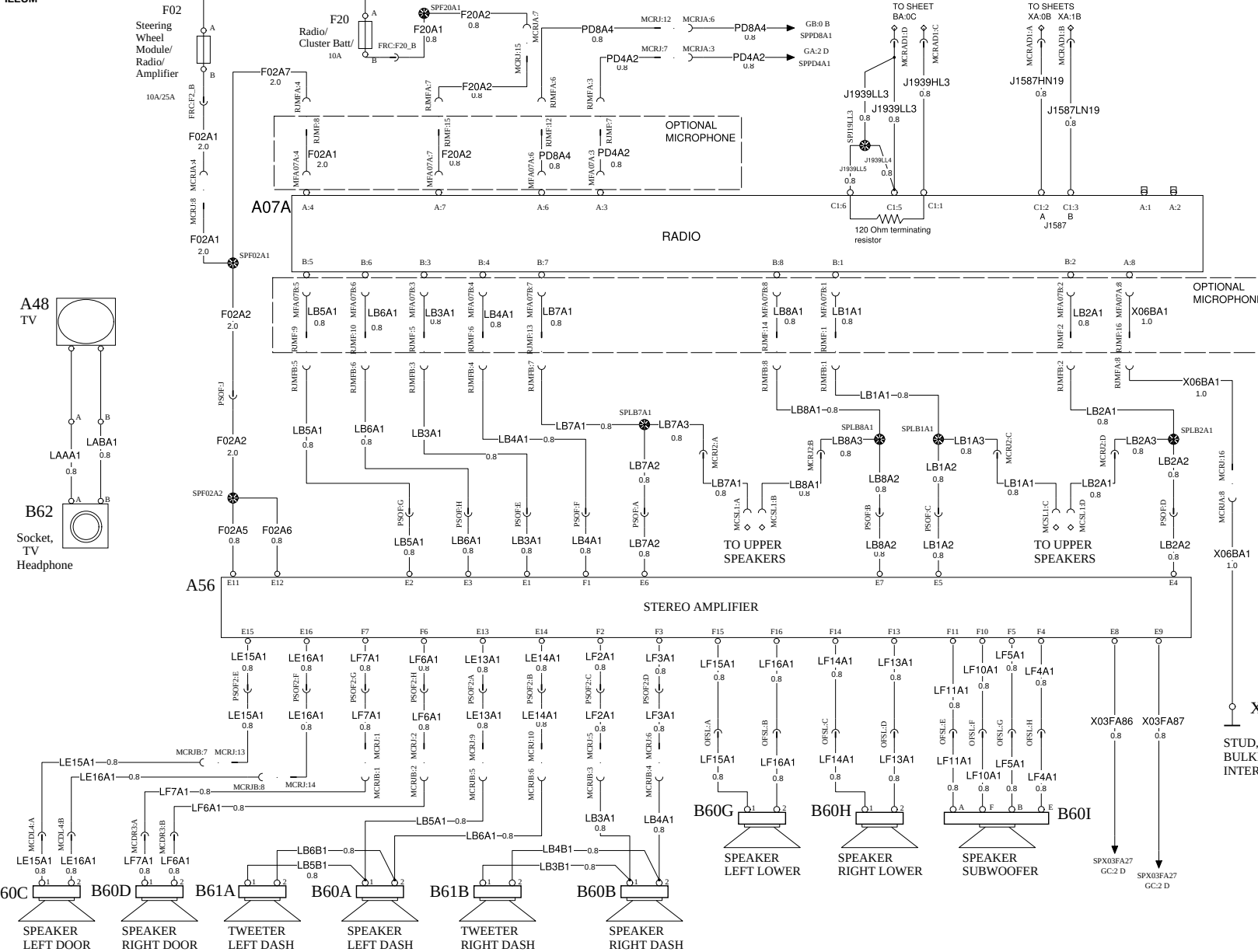
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AUDIO SYSTEM - 6 SPEAKER W/SUB, TV PREP

WIRING DIAGRAM : KC

BATT
IGN
DR
ACC
ILLUM



VOLVO

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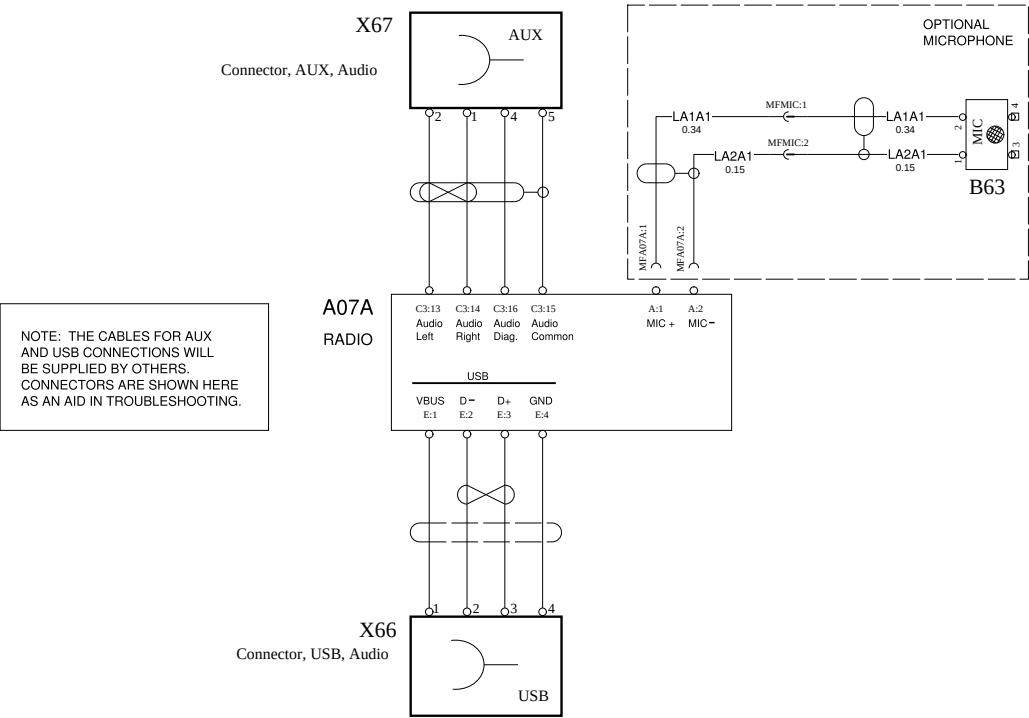
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AUDIO SYSTEM - BLUETOOTH/AUX/USB

WIRING DIAGRAM : KD

BATT	BATT
IGN	IGN
DR	DR
ACC	ACC
ILLUM	ILLUM



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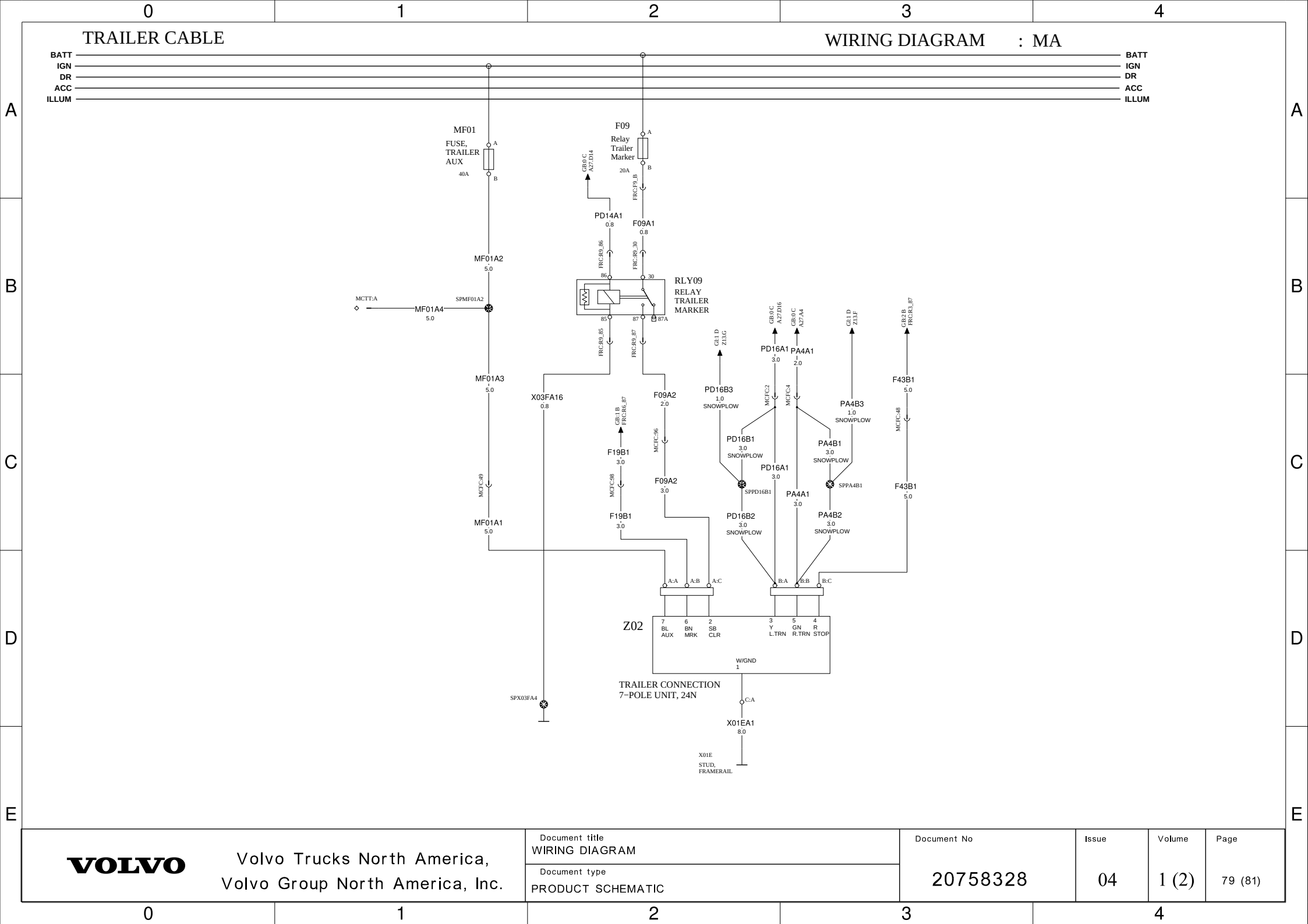
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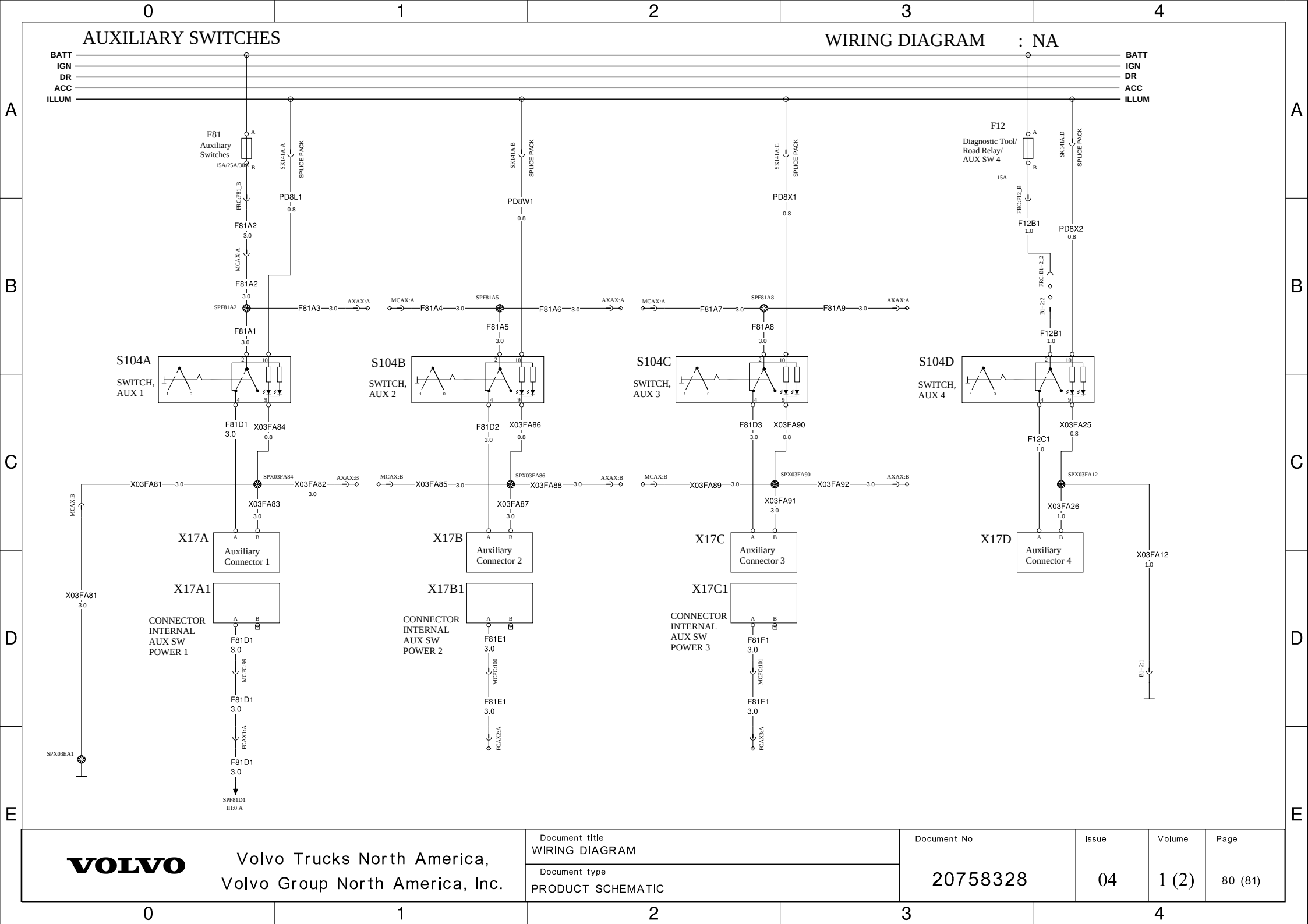
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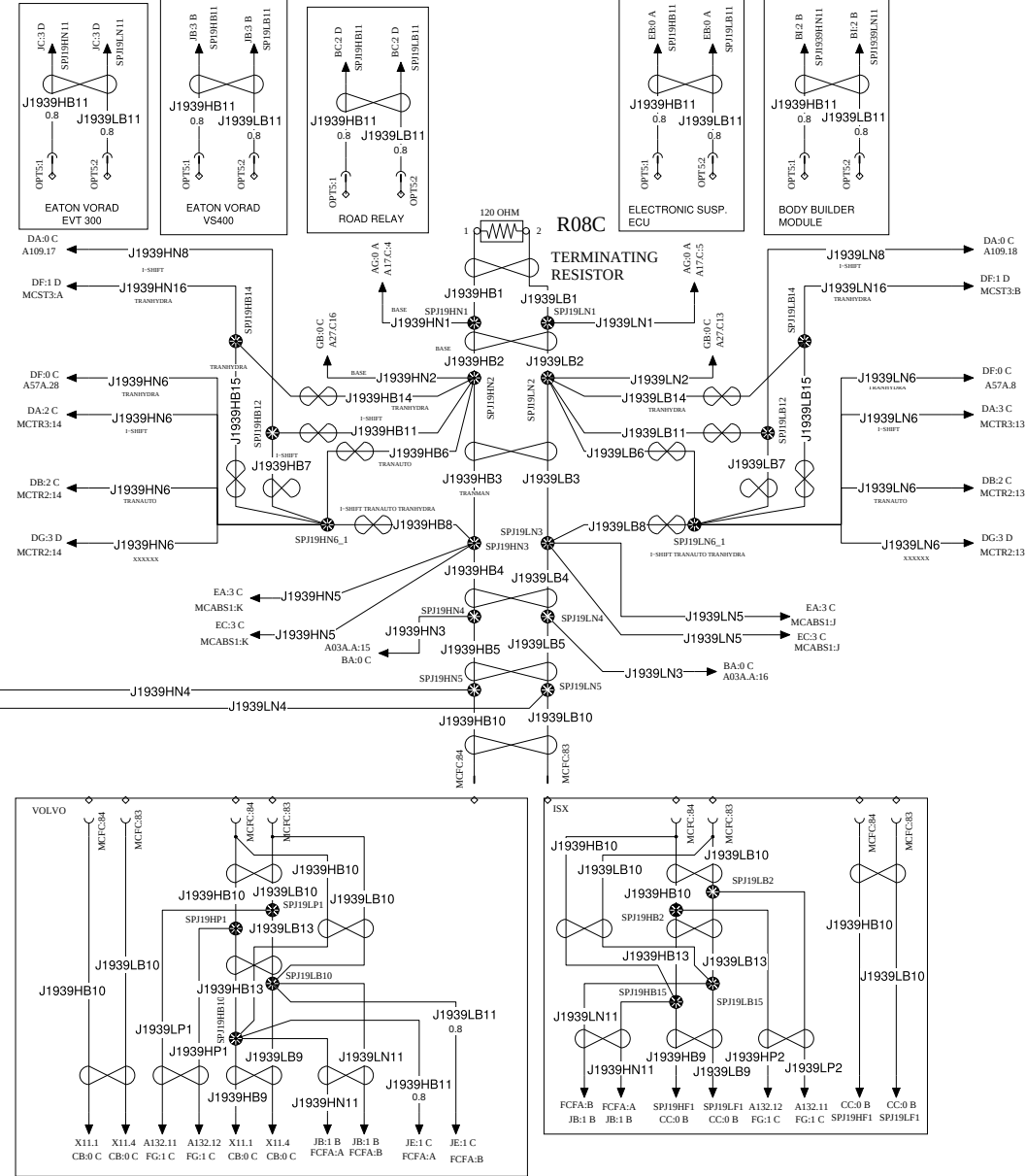
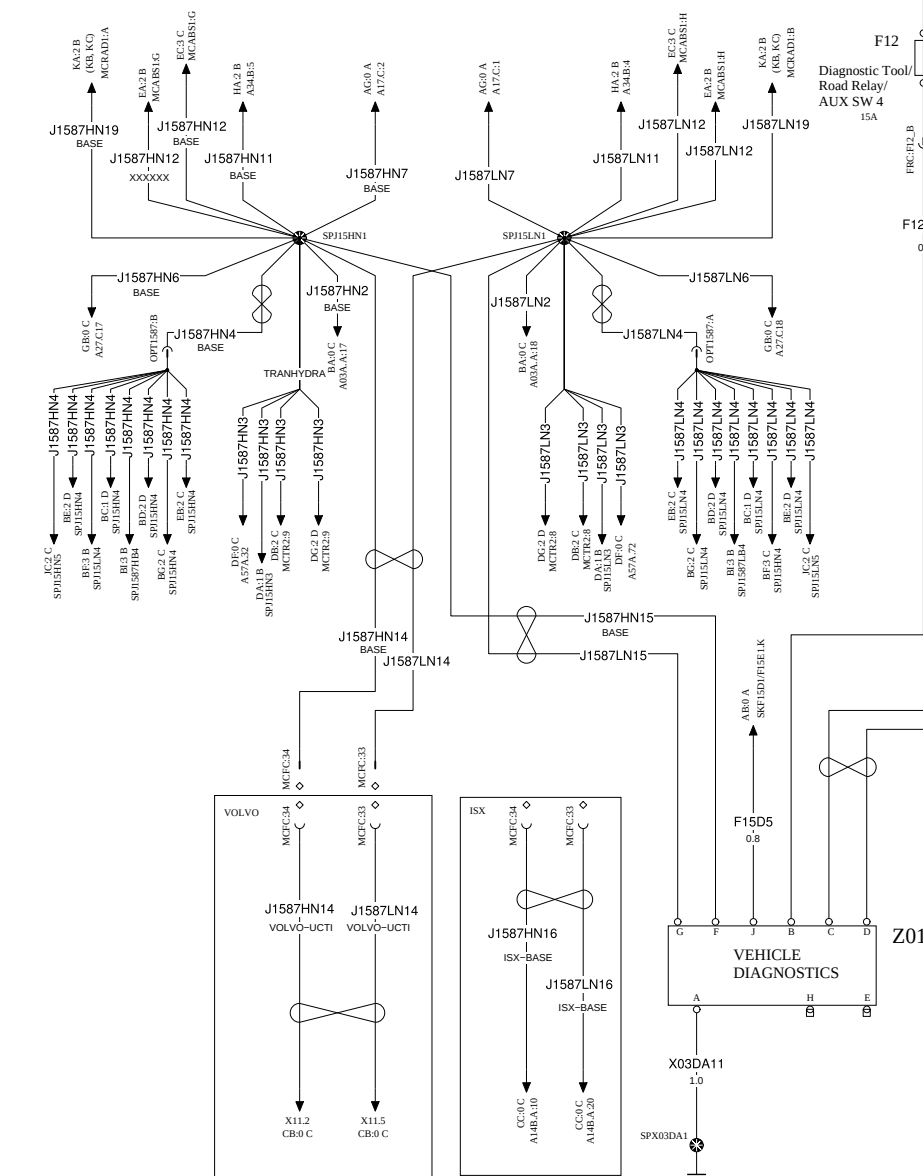
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DIAGNOSTICS

WIRING DIAGRAM : XA

BATT
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VOLVO

Volvo Trucks North America,
Volvo Group North America, Inc.

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Engineering Release Notice (ERN)	Location	Change Description	A = Added D = Deleted	W = Was	Document Release Status
D-13780-37		SEE DCN			Date 2008-05-15
					Modification Count

WIRING DIAGRAM BILL OF MATERIAL

Part Type	Item	Description	Location
component	A03A	INSTRUMENT CLUSTER A	{BA 0 C}
component	A03B	INSTRUMENT CLUSTER B	{BA 2 C}
component	A03C	INSTRUMENT CLUSTER C	{BB 0 C}
component	A03S	SECONDARY GAUGES	{BD 1 C}
component	A04	REFRIGERATOR	{HD 0 B} {HE 1 C} {HH 1 C}
component	A04A	REFRIGERATOR	{HE 0 D} {HH 1 D}
component	A07A	RADIO	{BC 4 B} {KA 0 C} {KB 2 C} {KC 0 B} {KD 1 C}
component	A102	CONTROL UNIT GPS RECEIVER (GLOBAL POSITIONING SYSTEM)	{BF 1 C}
component	A109	Control unit GSECU (Gearshift ECU)	{DA 0 C}
component	A12A	CONTROL UNIT ABS (ANTI- LOCK BRAKE SYSTEM)	{EA 0 C}
component	A12B	CONTROL UNIT ABS (ANTI- LOCK BRAKE SYSTEM)	{EC 0 C} {ED 0 A}
component	A132	CONTROL UNIT TIRE PRESSURE MONITORING	{FG 1 C}
component	A13E	Control unit TECU (automatic transmission)	{DA 2 C}
component	A14B	CONTROL UNIT EMS CUMMINS ISX	{CC 0 C}
component	A15	Control unit SRS (Supplementary Restraint System)	{JA 1 C}
component	A16	Control unit ECS (Electronic Controlled air Suspension)	{EB 0 C}
component	A17	Control unit VECU (Vehicle ECU)	{AF 0 D} {AH 1 E} {AH 3 E} {AH 3 C} {AH 2 C} {AH 1 C} {AG 0 A} {AE 1 B}
component	A19E	SHIFT SELECTOR ALLISON 4	{DF 0 E}
component	A27	LIGHT CONTROL MODULE	{GA 3 C} {GG 0 A} {GB 0 C} {IE 1 A} {GK 0 A}
component	A34	CONTROL UNIT CLIMATE	{HA 2 B}
component	A36	Control unit BBM (Body Builder Module)	{BI 0 C}
component	A38A	CONTROL UNIT MOBILE MAX II	{BG 1 C}
component	A46	CONTROL UNIT LECM (LIVING ENVIRONMENT CONTROL MODULE)	{HD 3 A} {HB 3 B} {HE 2 A} {HH 2 A}
component	A48	TV	{KC 0 C}
component	A50A	*opt*	{JC 2 C}
component	A51	DISPLAY SIDE SENSOR	{JB 2 D} {JE 3 D}

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Part Type	Item	Description	Location
component	A51A	DISPLAY SIDE SENSOR	{JC 1 E}
component	A55A	EATON AUTO/ULTRA SHIFT GEN 3 ECU	{DB 1 D}
component	A56	STEREO AMPLIFIER	{KC 0 C}
component	A57A	CONTROL UNIT ALLISON TRANS. GEN 4	{DE 0 A} {DF 0 C}
component	A58A	ALLISON TRANSMISSION	{DE 0 D}
component	A67	DISPLAY DRIVER INTERFACE	{JB 2 B}
component	A67A	DISPLAY DRIVER INTERFACE	{JC 0 A}
component	A68	MERITOR FREEDOMLINE	{DG 0 E}
component	A69	SHIFT MODULE	{DG 2 B}
component	A70A	PUSH BUTTON SHIFT CONTROL	{DB 1 D}
component	B02A	THERMOSTAT SLEEPER CONTROL #1	{HG 2 B}
component	B06A	SENSOR AIR PRESSURE B- TANK / FRONT BRAKES	{BA 3 D}
component	B06AP	SENSOR AIR PRESSURE BRAKE APPLICATION	{BA 2 D}
component	B06B	SENSOR AIR PRESSURE A- TANK / REAR BRAKES	{BA 3 D}
component	B07	SENSOR FUEL LEVEL	{BA 2 D}
component	B09	SENSOR OIL TEMP GEARBOX	{BA 4 D}
component	B105A	SENSOR RETARDER TEMP	{DE 3 D}
component	B123A	SENSOR LOW COOLANT	{CB 2 D}
component	B123B	SENSOR LOW COOLANT	{CC 0 D}
component	B13	SENSOR WHEEL SPEED LH 1ST AXLE	{EA 0 B} {EC 1 B}
component	B14	SENSOR WHEEL SPEED RH 1ST AXLE	{EA 1 B} {EC 0 B}
component	B15	SENSOR WHEEL SPEED LH 2ND AXLE	{EA 0 D} {EC 0 B}
component	B152	SENSOR BRAKE AIRPRESSURE FRONT	{ED 2 C}
component	B153	SENSOR BRAKE AIRPRESSURE REAR	{ED 2 C}
component	B16	SENSOR WHEEL SPEED RH 2ND AXLE	{EA 0 D} {EC 4 D}
component	B17	SENSOR WHEEL SPEED LH 3RD AXLE	{EA 2 D} {EC 1 D}
component	B177	SENSOR AIR PRESSURE SUSPENSION BELLOWS REAR	{ED 3 B}
component	B18	SENSOR WHEEL SPEED RH 3RD AXLE	{EA 2 D} {EC 1 D}
component	B191	SENSOR ASSEMBLY DPF TEMP PRESS NOX	{CB 2 A} {CB 1 D}
component	B206	SENSOR ASSEMBLY DPF TEMP PRESSURE	{CC 1 D}
component	B22A	SENSOR AMBIENT AIR TEMP.	{BA 3 A}
component	B22B	SENSOR AMBIENT AIR TEMP.	{BA 2 A}
component	B25	SENSOR ACCELERATOR PEDAL	{AG 4 C}
component	B30A	SENSOR CHASSIS LEVEL DRIVE AXLE	{EB 2 D}
component	B38RF	SENSOR OIL TEMP REAR FRONT AXLE	{BB 4 C}
component	B39	SENSOR AIR RESTRICTION	{BB 0 B}
component	B49	SENSOR STEERING ANGLE	{ED 1 D}
component	B50	SENSOR YAW-RATE ESP	{ED 1 D}

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Part Type	Item	Description	Location
component	B55A	SENSOR AIR PRESSURE SUSPENSION BELLOWS AUX. AXLE	{EB 0 D}
component	B56	Sensor air pressure suspension bellows front axle	{BA 2 B}
component	B58A	SENSOR AIR PRESSURE SUSPENSION BELLOWS DRIVE AXLE	{EB 1 D}
component	B58R	SENSOR AIR PRESSURE REAR SUSPENSION	{BA 2 D}
component	B59	Sensor Indoor Temp.	{HA 2 B}
component	B60A	SPEAKER LEFT DASH	{KA 2 D} {KB 3 E} {KC 1 E}
component	B60B	SPEAKER RIGHT DASH	{KA 2 D} {KB 2 E} {KC 1 E}
component	B60C	SPEAKER LEFT DOOR	{KA 0 D} {KB 3 E} {KC 0 E}
component	B60D	SPEAKER RIGHT DOOR	{KA 1 D} {KB 2 E} {KC 0 E}
component	B60E	SPEAKER LEFT UPPER	{KB 0 D}
component	B60F	SPEAKER RIGHT UPPER	{KB 0 D}
component	B60G	SPEAKER LEFT LOWER	{KC 2 D}
component	B60H	SPEAKER RIGHT LOWER	{KC 2 D}
component	B60I	SPEAKER SUBWOOFER	{KC 2 D}
component	B60J	SPEAKER LEFT UPPER	{KB 1 E}
component	B60K	SPEAKER RIGHT UPPER	{KB 1 E}
component	B60L_H2	SPEAKER LEFT REAR	{KB 0 B}
component	B60L_H4	SPEAKER LEFT REAR	{KB 0 C}
component	B60M_H2	SPEAKER RIGHT REAR	{KB 0 B}
component	B60M_H4	SPEAKER RIGHT REAR	{KB 0 C}
component	B60N	SPEAKER LEFT UPPER	{KC 4 D}
component	B60P	SPEAKER RIGHT UPPER	{KC 4 D}
component	B60R	SPEAKER LEFT UPPER	{KC 4 B}
component	B60S	SPEAKER RIGHT UPPER	{KC 4 B}
component	B61A	TWEETER LEFT DASH	{KA 2 D} {KB 3 E} {KC 0 E}
component	B61B	TWEETER RIGHT DASH	{KA 1 D} {KB 2 E} {KC 1 E}
component	B62	Socket TV Headphone	{KC 0 C}
component	B63	Microphone (hands free)	{KD 3 B}
component	B68	Sensor output shaft speed gearbox	{AG 0 D}
component	B68_B	Sensor output shaft speed gearbox	{AG 1 D}
component	B68A	Sensor Output shaft Speed gearbox	{AG 0 D}
component	B78	SIDE SENSOR	{JB 0 D} {JE 2 D}
component	B78A	SIDE SENSOR	{JC 2 E}
component	B80	SENSOR ETHER START	{CA 1 B}
component	B82	Sensor ACC radar	{JE 1 D}
component	E05A	5TH WHEEL LAMP	{GG 3 C} {GG 1 C} {GH 3 C} {GH 1 C}
component	E05B	5TH WHEEL LAMP HIGH	{GH 0 C}
component	E05C	5TH WHEEL LAMPDUAL	{GG 2 C} {GH 3 C} {GH 2 C} {GH 1 C}
component	E05D	5TH WHEEL LAMPDUAL	{GG 2 C} {GH 3 C} {GH 2 C} {GH 1 C} {GH 0 C}
component	E05E	BACK OF CAB LAMP D.S.	{GG 3 C} {GH 3 C} {GH 2 C} {GH 1 C} {GH 0 C}
component	E05F	BACK OF CAB LAMP P.S.	{GG 3 C} {GH 3 C} {GH 2 C}
component	E05H	LAMP 5TH WHEEL	{GG 2 C}

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Part Type	Item	Description	Location
component	E05K	5TH WHEEL LAMP	{GG 2 C}
component	E06	LAMP BACKUP	{GK 1 E}
component	E07L	Lamp Fog Light	{GE 2 C}
component	E07R	Lamp Fog Light	{GE 3 C}
component	E08L	Lamp Driving Light	{GE 3 C}
component	E08R	Lamp Driving Light	{GE 3 C}
component	E10	LAMP TAIL LIGHT	{GF 3 B}
component	E10L	LAMP TAIL LIGHT LEFT	{GF 3 D}
component	E10LA	LAMP TAIL LIGHT LEFT	{GF 0 B}
component	E10R	LAMP TAIL LIGHT RIGHT	{GF 3 D}
component	E10RA	LAMP TAIL LIGHT RIGHT	{GF 1 C}
component	E11L	Lamp Side Repeater	{GA 1 D} {IE 1 C}
component	E11R	Lamp Side Repeater	{GA 1 D} {IE 1 C}
component	E12A	LAMP MARKER	{GC 1 D}
component	E12B	LAMP MARKER	{GC 1 D}
component	E12C	LAMP MARKER	{GC 2 D}
component	E12D	LAMP MARKER	{GC 2 D}
component	E12E	LAMP MARKER	{GC 2 D}
component	E13L	Lamp Park/Turn	{GD 1 C}
component	E13R	Lamp Park/Turn	{GD 1 C}
component	E14A	WARNING LAMP BEACON - VT L.S.	{GJ 2 D}
component	E14B	WARNING LAMP BEACON - VT R.S.	{GJ 3 D}
component	E14L	WARNING LAMP SNOWPLOW	{GJ 1 D}
component	E14R	WARNING LAMP SNOWPLOW	{GJ 1 D}
component	E16L	Lamp Door D.S.	{IA 1 D}
component	E16R	Lamp Door P.S.	{IA 1 D}
component	E17C	Lamp Fluorescent	{HE 3 C} {HH 4 C}
component	E17C_H2	Lamp Fluorescent	{HD 2 C}
component	E17C_H4	Lamp Fluorescent	{HD 2 C}
component	E17D	LAMP WORKCENTRE FLUORESCENT	{HE 3 B}
component	E17L	Lamp Interior Light	{IA 1 D}
component	E17L2	LAMP OVERHEAD	{IA 2 B}
component	E17R	Lamp Interior Light	{IA 0 D}
component	E18A	Lamp Lower D.S.	{HD 4 D}
component	E18B	Lamp Under Cabinet D.S.	{HD 3 C}
component	E18C	LAMP UPPER D.S.	{HE 2 B} {HH 2 B}
component	E18D	Lamp Upper P.S.	{HE 2 B}
component	E18E	LAMP LOWER D.S.	{HE 3 C}
component	E18F	LAMP LOWER P.S.	{HE 3 B}
component	E18G	Lamp Upper P.S.	{HD 2 C} {HF 2 C}
component	E18H	Lamp Upper D.S.	{HD 2 C} {HF 2 C}
component	E18J	Lamp Lower D.S.	{HD 3 D}
component	E18K	Lamp Table	{HD 3 D}
component	E18L	LAMP UNDER CABINET D.S	{HH 4 C}
component	E18M	LAMP UPPER D.S.	{HD 1 C}
component	E18N	LAMP CENTER	{HH 3 C}
component	E18P	LAMP LOWER D.S.	{HH 3 C}
component	E18R	LAMP LOWER P.S.	{HH 3 B}
component	E20A	Lamp Ashtray Illumination	{IG 1 C}
component	E22A	LAMP ROOF SIGN ILLUMINATION	{GC 0 D}
component	E22B	LAMP ROOF SIGN ILLUMINATION	{GC 0 D}

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component	E22C	LAMP ROOF SIGN ILLUMINATION	{GC 0 D}
component	E23A	Lamp Luggage D.S.	{HD 3 B} {HF 3 C}
component	E23B	Lamp Luggage P.S.	{HD 3 B} {HF 3 C}
component	E23C	Lamp Luggage D.S.	{HE 3 D} {HH 3 D}
component	E23D	Lamp Luggage P.S.	{HE 4 D} {HH 4 D}
component	E26AL	Lamp	{GD 3 D}
component	E26AR	Lamp	{GD 4 D}
component	E26BP	Lamp	{GD 2 D}
component	E26BP2	Lamp	{GD 2 E}
component	E26L	Lamp Headlamp Module	{GD 2 B} {GD 2 D}
component	E26L_1	Lamp Headlamp Module	{GD 0 D}
component	E26R	Lamp Headlamp Module	{GD 3 B} {GD 3 D}
component	E26R_1	Lamp Headlamp Module	{GD 1 D}
component	E28	PARKING HEATER	{HB 3 D}
component	E29A	UNDER CAB EXT. LAMP	{IH 0 D} {IH 0 B}
component	E29B	UNDER CAB EXT. LAMP	{IH 0 D} {IH 0 B}
component	E29C	UNDER CAB EXT. LAMP	{IH 0 D} {IH 0 B}
component	E29D	UNDER CAB EXT. LAMP	{IH 0 D} {IH 0 B}
component	E29E	UNDER CAB EXT. LAMP	{IH 1 D} {IH 1 B}
component	E29F	UNDER CAB EXT. LAMP	{IH 1 D} {IH 1 B}
component	E29G	UNDER CAB EXT. LAMP	{IH 1 D} {IH 1 B}
component	E29H	UNDER CAB EXT. LAMP	{IH 1 D} {IH 1 B}
component	E29J	UNDER CAB EXT. LAMP	{IH 2 B}
component	E29K	UNDER CAB EXT. LAMP	{IH 2 B}
component	E29L	UNDER CAB EXT. LAMP	{IH 2 B}
component	E29M	UNDER CAB EXT. LAMP	{IH 2 B}
component	E29N	UNDER CAB EXT. LAMP	{IH 2 B}
component	E30L	Lamp Headlamp	{GD 0 C}
component	E30R	Lamp Headlamp	{GD 1 C}
component	E32	HVAC UNIT	{HB 2 C} {HG 2 C}
component	E32A	HVAC UNIT	{HA 2 D}
component	E36A	LAMP SUNVISOR	{GC 3 D}
component	E36B	LAMP SUNVISOR	{GC 3 D}
component	E36C	LAMP SUNVISOR	{GC 3 D}
component	E36D	LAMP SUNVISOR	{GC 4 D}
component	E36E	LAMP SUNVISOR	{GC 4 D}
component	E37	LAMP LECM PANEL	{HE 1 B} {HH 2 C}
component	E39	LAMP LICENSE PLATE ILLUMINATION	{GF 1 B}
component	E43L	Lamp Driving/Fog	{GE 1 C}
component	E43R	Lamp Driving/Fog	{GE 1 C}
component	E81A	UNDER CAB EXT. LAMP	{IH 2 D}
component	E81B	UNDER CAB EXT. LAMP	{IH 2 D}
component	E81C	UNDER CAB EXT. LAMP	{IH 2 D}
component	E81D	UNDER CAB EXT. LAMP	{IH 3 D}
component	E81E	UNDER CAB EXT. LAMP	{IH 3 D}
component	E81F	UNDER CAB EXT. LAMP	{IH 3 D}
component	E81G	UNDER CAB EXT. LAMP	{IH 4 D}
component	E81H	UNDER CAB EXT. LAMP	{IH 4 D}
component	E81J	UNDER CAB EXT. LAMP	{IH 4 D}
component	F01	DCP Power/ Power Mirror	{IC 2 A} {AB 3 D} {ID 3 A} {FRC 9 F}
component	F02	Steering Wheel Module/ Radio/ Amplifier	{BA 1 A} {KA 0 A} {KB 2 A} {KC 0 A} {AB 3 D} {FRC 9 F}
component	F03	Driver Window/ Heated	{IC 1 A} {AB 3 D} {ID 2 A}

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		mirrors	{FRC 9 F}
component	F04	RH Window	{IC 3 A} {AB 3 D} {ID 1 A} {FRC 9 F}
component	F05	Not Used	{AB 3 D} {FRC 9 E}
component	F06	I-SHIFT BAT	{AB 3 C} {DA 1 A} {FRC 9 E}
component	F07	NOT USED	{AB 4 C} {FRC 9 E}
component	F08	LCM1	{GB 2 A} {AB 3 C} {FRC 9 E}
component	F09	Relay Trailer Marker	{MA 2 A} {AB 3 C} {FRC 9 E}
component	F10	LCM2	{GB 2 B} {AB 3 C} {FRC 9 D}
component	F11	Batt. Expansion/ Sec. Instrument	{AB 3 C} {BD 2 A} {FRC 9 D}
component	F12	Diagnostic Tool/ Road Relay/ AUX SW 4	{XA 2 A} {NA 3 A} {BC 1 A} {AB 4 C} {FRC 9 D}
component	F13	Volvo Link	{BF 1 A} {AB 4 C} {FRC 9 D}
component	F14	Spare/ ECS	{AB 4 C} {EB 4 A} {FRC 9 D}
component	F15	Key Switch Bat	{AB 1 B} {FRC 9 C}
component	F16	LCM3	{GB 3 A} {AB 1 B} {FRC 9 C}
component	F17	Bunk HVAC Blower Fan	{HB 3 A} {AB 2 B} {HG 3 A} {FRC 9 C}
component	F18	Not Used	{AB 2 B} {FRC 9 C}
component	F19	Trailer Park Relay	{GB 1 A} {AB 2 B} {FRC 9 C}
component	F20	Radio/ Cluster Batt/	{BA 0 A} {KA 1 A} {KB 2 A} {KC 1 A} {AB 2 B} {FRC 9 B}
component	F21	Cummins Engine Ign	{CC 1 B} {AB 0 E} {FRC 9 B}
component	F22	Fuel Filter	{CE 1 A} {AB 0 E} {FRC 9 B}
component	F23	Climate Control Ign.	{HA 0 B} {AB 0 E} {FRC 9 B}
component	F24	NOT USED	{AB 0 E} {FRC 9 B}
component	F25	Heated Seats	{IB 2 A} {AB 1 E} {FRC 9 A}
component	F26	Wiper	{GP 0 A} {AB 1 E} {FRC 9 A}
component	F27	Interaxle / Interwheel	{FD 1 A} {AB 1 E} {FRC 9 A}
component	F28	SRS	{JA 1 B} {AB 1 E} {FRC 9 A}
component	F29	Camera Prep/ BB IGN-Z	{BH 1 A} {AB 2 E} {FRC 8 F}
component	F30	Snow Plow LPS LH	{GI 1 A} {AB 2 E} {FRC 8 F}
component	F31	Touch Lock	{AB 2 E} {FF 1 A} {FRC 8 F}
component	F32	Snow Plow LPS RH	{GI 1 A} {AB 2 E} {FRC 8 F}
component	F33	Air Dryer/ Air Drain Valve	{FA 2 A} {AB 3 E} {FRC 8 E}
component	F34	Not Used	{AB 3 E} {FRC 8 E}
component	F35	Not Used	{AB 3 E} {FRC 8 E}
component	F35_55_1005	MEIIR ER3	{CC 2 A}
component	F36	Not Used	{AA 3 D} {FRC 8 E}
component	F37	Not Used	{AA 3 D} {FRC 8 E}
component	F38	GEAR BOX IGN. TRAN-FAS TRAN-FUS/ ALL OTHER TRANS.	{AA 3 D} {DB 3 A} {DG 1 A} {DA 0 A} {DF 1 A} {FRC 8 D}
component	F39	Not Used	{AA 4 D} {FRC 8 D}
component	F40	PTO/ Dual PTO	{AA 4 D} {DP 2 A} {FRC 8 D}
component	F41	Not Used	{AA 4 D} {FRC 8 D}
component	F42	LCM5	{AA 0 C} {GB 3 B} {FRC 8 D}
component	F43	Trailer Stop Relay	{AA 0 C} {GB 2 A} {FRC 8 C}
component	F44	City Horn/ Air Horn	{AA 0 C} {GQ 1 A} {FRC 8 C}
component	F45	LCM6	{AA 1 C} {GB 3 A} {FRC 8 C}
component	F46	Fuses F1 and F7 in LECM/ Sleeper Lights	{AA 1 C} {HB 1 A} {HF 2 A} {FRC 8 C}
component	F47	Fuses F4 and F10 in LECM	{AA 1 C} {HB 2 A} {FRC 8 C}
component	F48	Batt Prot./ Beacon LPS	{AA 1 C} {HB 1 A} {GJ 1 A}

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			{FRC 8 B}
component	F49	LCM4	{AA 0 B} {GB 3 B} {FRC 8 B}
component	F50	Refrigerator Sink Pump Bunk Power Outlet/ L3 Basic	{AA 0 B} {HB 2 A} {HG 1 A} {FRC 8 B}
component	F51	Climate Control/ AC Blower Batt.	{AA 0 B} {HA 0 A} {FRC 8 B} {FRC 8 B}
component	F52	Power Relays/ Qualcomm/ Mobile Max 2	{AA 1 B} {BG 1 A} {FRC 8 A}
component	F53	Central Locks Batt.	{AA 1 B} {IF 2 A} {FRC 8 A}
component	F54	ABS 1.	{AA 1 B} {EA 2 A} {EC 2 A}
component	F55	Roof Sign/ Body Builder	{AA 1 B} {GC 3 A} {BH 0 A} {FRC 8 A}
component	F56	Tire Pressure Monitor	{AA 2 E} {FG 1 A} {FRC 8 A}
component	F57	ABS 2	{AA 2 E} {EA 2 A} {EC 2 A} {FRC 7 F}
component	F58	LCM/LCP IGN./ Central Locks/ IGN.	{AA 3 E} {GA 1 A} {FRC 7 F}
component	F59	Volvo Link/ QualComm IGN./Mobile Max 2	{AA 3 E} {BE 2 A} {BF 1 A} {BG 1 A} {FRC 7 F}
component	F60	LECM IGN.	{AA 3 E} {HB 3 A} {HG 3 A} {FRC 7 F}
component	F61	Road Relay Ign.	{AA 3 E} {BC 1 A} {FRC 7 E}
component	F62	BACKUP LAMPS	{AA 3 E} {GK 0 A} {GK 2 A} {GK 3 A} {FRC 7 E}
component	F63	Lift Axle/ BB Reverse/ Susp. Dump/ Fifth Wheel Slide/Inside/ Outside Air	{AA 3 D} {FC 1 A} {FRC 7 E}
component	F64	BB IGN-Y	{AA 3 D} {BH 1 A} {FRC 7 E}
component	F65	BB IGN-X	{AA 3 D} {BH 0 A} {FRC 7 E}
component	F66	IGN. EXP/ Sec. Instrument	{AA 3 D} {BD 2 A} {FRC 7 D}
component	F67	Vorad/ ECS/ACC	{AA 3 D} {JB 2 A} {EB 3 A} {JC 2 A} {FRC 7 D} {JE 1 A}
component	F68	I SHIFT GECU	{AA 4 D} {DA 0 B} {FRC 7 D}
component	F69	ISHIFT TECU	{AA 4 D} {DA 1 B} {FRC 7 D}
component	F70	Body Builder Module	{AE 0 B} {FRC 7 C}
component	F71	VECU/ Water in Fuel SW/ Eng. Brake	{AE 0 B} {FRC 7 C}
component	F72	EMS MAIN	{AE 1 B} {FRC 7 C}
component	F73	NOX	{AE 3 B} {FRC 7 C}
component	F74	EMS COMP 1	{AE 3 B} {FRC 7 C}
component	F75	EMS COMP 2	{AE 3 B} {FRC 7 B}
component	F76	Not Used	{AA 0 D} {FRC 7 B}
component	F77	12V POWER OUTLETS	{AA 0 D} {IG 0 A} {FRC 7 B}
component	F78	Dome/ Door Lamps	{AA 1 D} {IA 1 A} {FRC 7 B}
component	F79	CB Power Studs	{AA 1 D} {IG 3 A} {FRC 7 B}
component	F80	Battery Protection Status	{AA 1 D} {HB 1 A} {FRC 7 A}
component	F81	Auxiliary Switches	{AA 1 D} {NA 0 A} {FRC 7 A}
component	F82	12V Power Overhead	{AA 2 D} {IG 2 A} {FRC 7 A}
component	F83	FUSE EMS BATTERY	{AE 1 C} {FRC 7 A}
component	F84	NOT USED	{FRC 6 F}
component	F85	NOT USED	{FRC 6 F}
component	F90	FUSE SINK PUMP	{HE 0 C} {HH 0 C}
component	F92	INTERIOR LAMPS	{HF 2 B}
component	FB02	FUSE INLINE CUMMINS (EMS)	{CC 3 B} {PWR_DISTR 3 C}
component	FB03	FUSE BAT. POWER	{BE 2 B}

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		OMNIVISION	
component	FM01	FUSE MAIN POWER	{AB 3 A} {PWR_DISTR 4 E}
component	FM02	FUSE GROUND PROTECTION	{AC 0 C} {PWR_DISTR 0 D}
component	FT02	FUSE BATTERY LIGHTNING	{DG 1 B}
component	FT03	FUSE BATTERY 1 TRANSMISSION	{DB 3 C}
component	FT04	FUSE TRANS ALLISON	{DF 0 B}
component	FT05	Fuse holder	{DB 3 C}
component	G01	BATTERY	{AC 0 E} {HC 1 B} {AB 4 B} {AD 3 C} {PWR_DISTR 2 E}
component	G02	ALTERNATOR	{AC 1 B} {AD 3 B} {PWR_DISTR 3 C}
component	G03	INVERTER 12VDC - 120VAC	{HC 0 B}
component	G04	POWER DISTRIBUTION UNIT 120VAC	{HC 2 B}
component	G05A	12V DASH POWER OUTLET	{IG 0 C}
component	G05D_H2	12V SOCKET TV/VCR	{HD 1 C}
component	G05D_H4	12V SOCKET TV/VCR	{HD 1 C}
component	G05E	12V SOCKET RADIO SHELF	{IG 2 C}
component	G05F	12V DASH POWER OUTLET	{IG 1 C}
component	G06A	12V STUDS CB DASH	{IG 3 C}
component	G06B	12V STUDS CB OVERHEAD	{IG 3 D}
component	H02	Horn	{GQ 0 D}
component	H03	BACKUP ALARM	{GF 2 D} {GK 1 E}
component	M01	WINDSHIELD WIPER MOTOR	{GP 2 D}
component	M02A	WINDSHIELD WASHER PUMP VN	{GP 2 B}
component	M02B	WINDSHIELD WASHER PUMP VHD	{GP 3 B}
component	M04	Motor Starter	{AC 0 B} {AD 3 B} {PWR_DISTR 2 C}
component	M06DS	Motor Window Winder D.S.	{IC 1 C}
component	M06PS	Motor Window Winder P.S.	{IC 2 E} {ID 0 D}
component	M110L	Mirror Motors & Heater LHS	{IC 0 B} {ID 2 D} {IE 0 C}
component	M110R	Mirror Motors & Heater RHS	{IC 3 B} {ID 3 D} {IE 2 C}
component	M18	MOTOR SINK PUMP	{HE 0 D} {HH 0 D}
component	M20L	HEATED SEAT LEFT	{IB 1 D}
component	M20R	HEATED SEAT RIGHT	{IB 2 D}
component	M80L	Drivers Side Door Lock Control Assembly	{IF 1 D} {IA 2 D}
component	M80LS	DRIVERS SIDE COURTESY LAMP SWITCH	{IA 3 D} {IA 3 B}
component	M80R	Passenger Side Door Lock Control Assembly	{IF 2 D} {IA 4 B} {IA 2 D}
component	M80RS	PASSENGER SIDE COURTESY LAMP SWITCH	{IA 4 D}
component	MF01	FUSE TRAILER AUX	{AA 2 E} {MA 1 A}
component	R01A	Heater Engine Preheat 110V	{CA 2 D}
component	R05A	AIR DRYER	{FA 2 C}
component	R05C	AIR DRYER	{FA 3 C}
component	R08A	TERMINATION RESISTOR	{BI 3 B}
component	R08B	TERMINATING RESISTOR	{EB 0 A}
component	R08C	TERMINATING RESISTOR	{XA 3 B}
component	R08D	TERMINATION RESISTOR CAN-	{JB 3 A} {JC 3 D}

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		BUS	
component	R08E	RESISTOR J1939 TERMINATION	{CC 1 B}
component	R08F	TERMINATION RESISTOR CAN- BUS	{BC 2 D}
component	R09	Heater Fuel Filter RH	{CE 2 C}
component	R09B	Heater Fuel Filter VHD	{CE 1 C}
component	R18A	HEATER DRAIN VALVE	{FA 0 C}
component	R18B	HEATER DRAIN VALVE	{FA 1 C}
component	RLY01	RELAY DR	{AA 3 C} {FRC 6 F}
component	RLY02	RELAY POWER ACCESSORIES	{AB 1 D} {FRC 6 E}
component	RLY03	RELAY TRAILER STOP	{GB 2 B} {FRC 6 E}
component	RLY04	RELAY EMS	{AE 1 B} {FRC 6 E}
component	RLY05	RELAY POWER IGNITION 1	{AB 1 D} {FRC 6 E}
component	RLY06	RELAY TRAILER PARK	{GB 1 B} {FRC 6 D}
component	RLY07	RELAY PTO	{DP 1 B} {FRC 6 D}
component	RLY08	RELAY POWER IGNITION 2	{AA 2 C} {FRC 6 D}
component	RLY09	RELAY TRAILER MARKER	{MA 2 B} {FRC 6 D}
component	RLY10	RELAY CITY HORN	{GQ 0 C} {FRC 6 C}
component	RLY11	RELAY DOME / DOOR LAMPS	{IA 1 C} {FRC 6 C}
component	RLY12	RELAY INTERMITTENT WIPER	{GP 0 B} {FRC 6 C}
component	RLY13	RELAY AUTOSHIFT	{DB 2 B} {FRC 6 C}
component	RLY13_1	RELAY START ENABLE	{DF 2 B}
component	RLY13_3	RELAY NEUTRAL START I- SHIFT	{AG 2 D}
component	RLY14	Relay Lift Axle/ Reverse	{FB 3 B} {GK 2 C} {GK 0 B} {FRC 6 B}
component	RLY15	NOT USED	{FRC 6 B}
component	RLY16	RELAY BODY BUILDER REMOTE THROTTLE INC	{AF 2 C} {FRC 6 B}
component	RLY17	RELAY BODY BUILDER REMOTE THROTTLE DEC	{AF 3 B} {FRC 6 B}
component	RLY18	NOT USED	{FRC 6 A}
component	RLY19	NOT USED	{FRC 6 A}
component	RLY20	NOT USED	{FRC 6 A}
component	RLY21	RELAY POWER BATTERY	{AA 2 C} {FRC 5 F}
component	RLY22	NOT USED	{FRC 5 E}
component	RLY23	RELAY ER2 ALLISON BODY BUILDER	{DF 4 B} {FRC 5 E}
component	RLY24	RELAY ER1 ALLISON BODY BUILDER	{DF 3 B} {FRC 5 E}
component	RLY25	MEIR ER3	{AE 2 B} {FRC 5 E}
component	RLY26	SNOWPLOW LH ER8	{GI 1 C} {FRC 5 D}
component	RLY27	SNOWPLOW RH ER9	{GI 0 C} {FRC 5 D}
component	RLY28	SNOWPLOW LCM INPUT ER7	{GI 2 C} {FRC 4 D}
component	RLY33	Relay ER9 RH Power Mirror IN	{ID 3 C} {FRC 4 D}
component	RLY33A	Relay ER8 RH Power Mirror OUT	{ID 3 C} {FRC 3 D}
component	RLY33B	RELAY ER3 I-SHIFT POWER	{DA 0 B} {FRC 4 E}
component	RLY34	ER8 ECS Power	{EB 3 B} {FRC 4 D}
component	RLY36	"Relay ER7 Power Window ""UP""	{ID 1 C} {FRC 5 D}
component	RLY37	"Relay ER6 Power Window ""DOWN""	{ID 0 C} {FRC 5 D}

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component	RLY38	RELAY ROOF MARKER LAMPS ER1	{GC 2 B} {FRC 4 E}
component	RLY39	Relay Sleeper HVAC On Harness	{HG 3 B}
component	RLY40	RELAY STARTER MOTOR	{AD 0 C}
component	RLY41	RELAY PARK BRAKE	{HB 4 C}
component	RLY43	RELAY SHUNT	{AA 1 C}
component	RLY44	Relay Battery Protection ER8	{HB 1 D} {FRC 2 D}
component	S01	Switch main lighting selector type	{GA 0 C}
component	S02	Stalk Switch Full-Dipped Beams/ Cruise Control/ Direction Indicator	{AF 2 B} {GA 2 B}
component	S04	SWITCH CLIMATE FAN SELECTOR TYPE	{HB 0 B}
component	S04A	Switch Sleeper HVAC Fan Speed	{HG 1 B}
component	S05	SWITCH INTERIOR LIGHTING	{HD 0 B} {HE 2 D} {HH 2 D}
component	S06	SWITCHES WINDSHIELD WIPER/CLUSTER STALK	{BA 1 C} {GP 0 C}
component	S07	SWITCH ENGINE BRAKE SELECTOR TYPE	{AH 0 B} {AH 3 C} {AH 1 B}
component	S07B	SWITCH ENGINE BRAKE ON/OFF	{AH 3 C}
component	S08	SWITCH DIFFERENTIAL GEAR LOCK INTERWHEEL	{FD 0 B}
component	S09	SWITCH DIFFERENTIAL GEAR LOCKS INTERAXLE	{FD 2 B}
component	S103A	SWITCH HEATED MIRROR	{ID 2 B}
component	S103B	SWITCH POWER MIRROR	{ID 3 B}
component	S104	SWITCH MARKER INTERRUPT	{JD 2 C}
component	S104A	SWITCH AUX 1	{NA 1 C}
component	S104B	SWITCH AUX 2	{NA 2 C}
component	S104C	SWITCH AUX 3	{NA 3 C}
component	S104D	SWITCH AUX 4	{NA 4 C}
component	S106	Switch Passenger Window Winder	{ID 1 B}
component	S11A	SWITCH LIFT AXLE	{FB 0 B}
component	S11B	SWITCH LIFT AXLE	{FB 1 C}
component	S11C	SWITCH LIFT AXLE	{FB 2 C}
component	S11D	SWITCH AIR SUSPENSION MANUAL CONTROL ON/OFF	{EB 2 D}
component	S11E	SWITCH SUSP. CTRL. UP/DOWN	{EB 3 D}
component	S12	SWITCH SNOWPLOW LAMP	{GI 1 B}
component	S121	SWITCH TOUCH LOCK	{FF 1 C}
component	S14A	Switch City Horn/Air Horn	{GQ 1 C}
component	S15	SWITCH IGNITION	{AB 1 B}
component	S171B	Solenoid B 5th Wheel Release	{FF 2 D}
component	S171C	SWITCH GEAR LEVER I-SHIFT	{DA 0 D}
component	S212	SWITCH HILL ASSIST	{EC 1 D}
component	S223	SWITCH ECO ROLL	{AF 1 E}
component	S24	SWITCH STALK ENGINE BRAKE	{AH 3 D}
component	S24A	SWITCH STALK ALLISON	{DE 4 D}

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		RETARDER	
component	S24C	SWITCH ON/OFF RETARDER ALLISON	{DE 4 C}
component	S24D	SWITCH STALK ENGINE BRAKE	{AH 1 D}
component	S28A	SWITCH PTO (POWER TAKE-OFF)	{DP 2 C}
component	S28B	SWITCH PTO (POWER TAKE-OFF)	{DP 3 C}
component	S28C	SWITCH PTO (POWER TAKE-OFF)	{DP 4 C}
component	S28J	SWITCH DUAL PTO ISHIFT	{BI 2 B}
component	S31	SWITCH TCS (TRACTION CONTROL SYSTEM)	{EA 3 B} {EC 4 B}
component	S43	PRESSURE SWITCH PARKING BRAKE INDICATOR N.C.	{AF 3 D}
component	S43A	SWITCH PRESSURE PARK BRAKE N.C.	{DF 2 E}
component	S43C	TRAILER PARK DETECTION SWITCH N.C.	{GA 3 B}
component	S45BA	EATON	{BB 3 B}
component	S45BB	VOLVO	{BB 3 B}
component	S45BC	ROCKWELL	{BB 4 B}
component	S48	Pressure switch brake light N.O.	{GB 2 D}
component	S49	Position switch reverse lamps N.O.	{GK 2 B} {GK 4 B}
component	S58	Position Switch Clutch Pedal	{AG 3 B}
component	S59	Position Switch Brake Pedal	{AG 3 B}
component	S72	SWITCH WATER SEPARATOR DRAINING	{AF 0 B}
component	S75	SWITCH BEACON WARNING LIGHT	{GJ 1 B}
component	S76	SWITCH SPOTLIGHTS	{GG 1 C}
component	S80	DOOR LOCK CONTROL MODULE	{IF 1 B}
component	S80D	Driver Side Door Control Panel	{IC 2 B}
component	S80P	Passenger Side Door Control Panel	{IC 2 D}
component	S87	SWITCH SINK/ FAUCET	{HE 0 C} {HH 0 C}
component	S88	SWITCH 5th WHEEL SLIDE	{FC 2 B}
component	S92	SWITCH INVERTER CONTROL	{HC 0 D}
component	S93	SWITCH SUSPENSION DUMP	{FC 0 B}
component	S97	SWITCH INSIDE/OUTSIDE AIR CLEANER	{CH 2 B}
component	SK141A	SPLICE PACK ILLUMINATION	{HB 0 A} {DP 2 A} {DB 0 A} {JD 2 A} {FB 0 A} {GB 0 A}
component	SK141B	SPLICE PACK ILLUMINATION	{EA 3 A} {GI 1 A} {FD 0 A} {CH 2 A} {FC 2 A} {FC 0 A} {GB 1 A} {EC 3 A} {DE 3 A}
component	SKF15D1/F15E1	SPLICE PACK	{AB 0 A}
component	SKX03D	SPLICE PACK	{AC 2 C} {IB 1 D} {GB 2 E} {GB 1 D} {BD 1 D}
component	SKX03F_A	SPLICE PACK	{AA 2 C} {HB 1 E} {IF 2 D} {AC 3 B} {GI 0 D} {DP 2 D} {IB 2 D} {JB 3 C} {EB 3 E}

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			{DF 4 E} {JC 3 D}
component	SKX03F_B	SPLICE PACK	{AC 4 B} {IC 1 E} {FD 0 E} {BH 0 E} {FB 2 D} {CH 2 D} {FC 0 D} {ID 1 E} {GK 0 B} {GK 2 C}
component	sym447_228	STUD CAB	{PWR_DISTR 2 D}
component	sym448_228	STUD CAB	{PWR_DISTR 2 D}
component	U01	STUD POWER 1	{AA 1 A} {DB 3 B} {DG 0 B} {AB 3 B} {DF 0 A} {PWR_DISTR 4 B}
component	W04	FRONT ANTENNA	{JB 1 B}
component	W04A	FRONT ANTENNA	{JC 0 E}
component	X02	STUD ENGINE BLOCK	{AC 1 D} {PWR_DISTR 1 C}
component	X03	STUD CAB	{AC 2 D} {DB 4 B} {DG 0 B} {AE 1 D} {DA 4 B} {DF 0 A} {PWR_DISTR 0 B}
component	X07B	12V SOCKET PANEL	{HD 1 C} {HE 1 B} {HH 1 B}
component	X07C	12V SOCKET D.S. CABINET	{HE 2 C} {HH 2 C}
component	X07D	12V SOCKET TV/VCR	{HE 2 B} {HH 2 B}
component	X07H	12V SOCKET COOLER P.S.	{HH 1 B}
component	X07K	12V SOCKET PANEL	{HE 1 C} {HH 1 C}
component	X11	CONNECTOR ENGINE INTERFACE	{CB 0 C}
component	X17A	Auxiliary Connector 1	{NA 0 C}
component	X17A1	CONNECTOR INTERNAL AUX SW POWER 1	{NA 0 D}
component	X17B	Auxiliary Connector 2	{NA 1 C}
component	X17B1	CONNECTOR INTERNAL AUX SW POWER 2	{NA 1 D}
component	X17C	Auxiliary Connector 3	{NA 2 C}
component	X17C1	CONNECTOR INTERNAL AUX SW POWER 3	{NA 2 D}
component	X17D	Auxiliary Connector 4	{NA 4 C}
component	X45	Receptacle Engine Heater 110V	{CA 2 B}
component	X66	Connector USB Audio	{KD 1 D}
component	X67	Connector AUX Audio	{KD 1 B}
component	Y100	SOLENOID VALVE TRAILER ABS_ESP	{ED 3 C}
component	Y106	SOLENOID HILL ASSIST BRAKE	{EC 3 D}
component	Y11	ABS VALVE LH 1ST AXLE	{EA 1 B} {EC 1 B}
component	Y11A	Solenoid Valve Unit ABS LH Front	{EA 1 A}
component	Y12	ABS VALVE RH 1ST AXLE	{EA 0 B} {EC 0 B}
component	Y12A	Solenoid Valve Unit ABS RH Front	{EA 0 A}
component	Y13	ABS VALVE LH 2ND AXLE	{EA 1 D} {EC 1 B}
component	Y14	ABS VALVE RH 2ND AXLE	{EA 1 D} {EC 0 E}
component	Y15	ABS VALVE LH 3RD AXLE	{EA 3 D} {EC 2 D}
component	Y16	ABS VALVE RH 3RD AXLE	{EA 3 D} {EC 2 D}
component	Y18A	SOLENOID VALVE SINGLE PTO	{DP 0 D}
component	Y18B	SOLENOID VALVE DUAL PTO ENGINE MOUNTED	{DP 4 D}
component	Y18G	SOLENOID TRANS. PTO 1	{DA 3 C}
component	Y18H	SOLENOID TRANS PTO 2	{DA 3 C}

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component	Y25A	SOLENOID LEVEL CONTROL DRIVE AXLES	{EB 1 B}
component	Y29A	SOLENOID LEVEL CONTROL AUX. AXLE	{EB 2 B}
component	Y35	Solenoid Engine Fan	{CC 1 B} {CB 2 B}
component	Y35E	SOLENOID ENGINE FAN E-VISCO	{CC 1 A}
component	Y42	Clutch magnetic air conditioning compressor	{HA 0 C}
component	Y51	Solenoid valve Air dryer	{FA 3 C}
component	Y53	SOLENOID ETHER START	{CA 1 C}
component	Y57	SOLENOID VALVE TRAC CONTROL	{EA 1 D} {EC 3 D}
component	Y57A	SOLENOID VALVE TRAC CONTROL ESP	{ED 0 C}
component	Y64	SOLENOID RETARDER AIR ACCUMULATOR	{DE 1 B}
component	Z01	VEHICLE DIAGNOSTICS	{XA 2 D}
component	Z02	TRAILER CONNECTION 7-POLE UNIT 24N	{MA 2 D}
component	Z03A	BODY BUILDER CONNECTOR #1	{BH 0 C} {GK 2 C}
component	Z03B	BODY BUILDER CONNECTOR #2	{BH 2 B}
component	Z03C	BODY BUILDER CONNECTOR #3	{BI 1 D}
component	Z03D	BODY BUILDER CONNECTOR #4	{BI 3 D}
component	Z03E	CUMMINS ISX BODYBUILDER CONNECTOR	{CC 2 B}
component	Z04	BODY BUILDER CAMERA PREP	{BH 1 B} {GK 3 C}
component	Z05	Solenoid Pack	{FD 4 D} {FD 3 D} {FD 2 D} {FD 2 D} {GQ 2 C} {GQ 2 C} {FB 1 D} {CH 3 D} {FC 1 D} {FC 3 D} {FF 0 D} {FF 1 D}
component	Z06	STEERING WHEEL CONTACT REEL	{GA 3 B} {JA 1 D} {BB 1 E}
component	Z08	CONNECTOR ROAD RELAY	{BC 0 C}
component	Z10CA	OPTION CONNECTOR A CAB SIDE	{BH 3 D}
component	Z10CB	OPTION CONNECTOR B CAB SIDE	{BH 3 D}
component	Z10FA	OPTION CONNECTOR A CHASSIS SIDE	{BH 3 D}
component	Z10FB	OPTION CONNECTOR B CHASSIS SIDE	{BH 3 D}
component	Z13	OPTION CONNECTOR SNOWPLOW LIGHTS	{GI 1 D}
component	Z15	CONNECTOR BODYBUILDER - CAB SIDE	{BH 1 E}
component	Z16	CONNECTOR BODYBUILDER	{BH 1 D}
component	Z17	RECEPTACLE 120VAC	{HC 1 D}
component	Z18	RECEPTACLE D.S. CABINET	{HC 3 C}
component	Z19	RECEPTACLE P.S. CABINET	{HC 3 C}
component	Z20	RECEPTACLE UNDER BUNK/ TABLE	{HC 4 C}
component	Z21	QUALCOMM OMNIVISION PREP KIT	{BE 2 C}
connector	*req*		{PWR_DISTR 1 B}
connector	ABSFC:1		{EA 0 D} {EC 0 C}
connector	ABSFC:10		{EA 0 D} {EC 4 D}

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connector	ABSFC:11		{EA 1 D} {EC 1 B}
connector	ABSFC:12		{EA 2 D} {EC 1 B}
connector	ABSFC:13		{EA 0 B} {EC 0 B}
connector	ABSFC:14		{EA 0 B} {EC 0 B}
connector	ABSFC:15		{EA 0 B} {EC 0 B}
connector	ABSFC:16		{EA 1 B} {EC 1 B}
connector	ABSFC:17		{EA 1 B} {EC 1 B}
connector	ABSFC:18		{EA 1 B} {EC 1 B}
connector	ABSFC:19		{EA 1 C} {EC 0 B}
connector	ABSFC:2		{EA 0 D} {EC 0 C}
connector	ABSFC:20		{EA 1 C} {EC 0 B}
connector	ABSFC:21		{EA 1 C} {EC 2 C}
connector	ABSFC:22		{EA 0 C} {EC 1 C}
connector	ABSFC:23		{EA 2 D} {EC 1 D}
connector	ABSFC:24		{EA 3 D} {EC 2 D}
connector	ABSFC:25		{EA 2 D} {EC 1 D}
connector	ABSFC:26		{EA 2 D} {EC 1 D}
connector	ABSFC:27		{EA 3 D} {EC 2 D}
connector	ABSFC:28		{EA 3 D} {EC 2 D}
connector	ABSFC:29		{EA 3 D} {EC 2 D}
connector	ABSFC:3		{EA 1 D} {EC 3 D}
connector	ABSFC:30		{EA 3 D} {EC 2 D}
connector	ABSFC:31		{EA 3 D} {EC 2 D}
connector	ABSFC:32		{EA 3 D} {EC 2 D}
connector	ABSFC:33		{ED 0 B}
connector	ABSFC:34		{ED 0 B}
connector	ABSFC:35		{ED 3 B}
connector	ABSFC:36		{ED 3 B}
connector	ABSFC:37		{ED 4 B}
connector	ABSFC:38		{ED 1 C}
connector	ABSFC:39		{ED 1 C}
connector	ABSFC:4		{EA 1 D} {EC 3 D}
connector	ABSFC:40		{ED 1 C}
connector	ABSFC:41		{ED 1 C}
connector	ABSFC:42		{EC 3 D}
connector	ABSFC:5		{EA 1 D} {EC 0 D}
connector	ABSFC:6		{EA 1 D} {EC 0 D}
connector	ABSFC:7		{EA 1 D} {EC 0 D}
connector	ABSFC:8		{EA 1 D} {EC 1 B}
connector	ABSFC:9		{EA 0 D} {EC 4 D}
connector	AXAX:A		{NA 3 B} {NA 2 B} {NA 1 B}
connector	AXAX:B		{NA 3 C} {NA 2 C} {NA 1 C}
connector	AXBWL:A		{IH 0 A}
connector	AXBWL:B		{IH 0 C}
connector	AXBWR:A		{IH 0 A}
connector	AXBWR:B		{IH 0 C}
connector	B1-1:2		{BD 2 B}
connector	B1-2:1		{NA 4 D} {BC 0 D}
connector	B1-2:2		{NA 4 B} {BC 1 B}
connector	B1-3:1		{GC 3 B}
connector	B1-3:2		{GC 3 B}
connector	B1-4:1		{FF 0 D}
connector	B1-4:2		{FF 1 B}
connector	B1-5:2		{BC 1 B}
connector	B1-6:2		{BD 2 B}
connector	B2:R21_30		{AA 2 B}

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connector	B2:R21_86		{AA 2 B}
connector	B2:R21_87		{AA 2 C}
connector	B3:R16_30		{AF 2 B}
connector	B3:R16_85		{AF 2 C}
connector	B3:R16_86		{AF 2 B}
connector	B3:R16_87		{AF 2 C}
connector	B3:R17_30		{AF 2 B}
connector	B3:R17_85		{AF 3 B}
connector	B3:R17_86		{AF 3 B}
connector	B3:R17_87		{AF 2 B}
connector	BCBD:A		{IH 1 D} {IH 1 B}
connector	BCBD:B		{IH 1 E} {IH 1 C}
connector	BDBS:A		{IH 2 D} {IH 1 B}
connector	BDBS:B		{IH 2 E} {IH 1 C}
connector	BFBR:A		{IH 3 D}
connector	BFBR:B		{IH 3 E}
connector	BWBD:A		{IH 0 D} {IH 0 B}
connector	BWBD:B		{IH 0 C} {IH 0 E}
connector	BWBR:A		{IH 2 D}
connector	BWBR:B		{IH 2 E}
connector	CERAJ1:A		{BB 3 C} {BB 3 C}
connector	CERAJ1:B		{BB 3 C} {BB 3 C}
connector	CERAJ1:C		{BB 3 C} {BB 3 C}
connector	CERAJ2:A		{BB 3 C}
connector	CERAJ2:B		{BB 3 C}
connector	CERAJ2:C		{BB 3 D}
connector	CERAJ3:A		{BB 3 D}
connector	CERAJ3:B		{BB 3 D}
connector	CERAJ3:C		{BB 3 D}
connector	CETE:A		{GK 1 D}
connector	CETE:B		{GF 0 A}
connector	CETE:C		{GF 0 A}
connector	CETE:D		{GF 0 A}
connector	CETE:E		{GF 1 A}
connector	CETL:A		{GF 2 C} {GF 3 A} {GK 1 D} {GK 1 D}
connector	CETL:B		{GF 3 C} {GF 3 A} {GF 0 B} {GF 0 B}
connector	CETL:C		{GF 3 C} {GF 3 A} {GF 0 B} {GF 0 B}
connector	CETL:D		{GF 4 C} {GF 3 A} {GF 1 B} {GF 1 B}
connector	CETL:E		{GF 2 C} {GF 4 A} {GF 1 B} {GF 1 B}
connector	DPFTR:A		{CB 3 A}
connector	DPFTR:B		{CB 3 A}
connector	DPFTR:C		{CB 3 A}
connector	DPFTR:D		{CB 3 A}
connector	DPFTR:E		{CB 1 D}
connector	DPFTR:F		{CB 1 D}
connector	DPFTR:G		{CB 1 D}
connector	DPFTR:H		{CB 2 D}
connector	DPFTR:J		{CB 2 D}
connector	DPFTR:K		{CB 2 D}
connector	DVAD:A		{FA 1 D}

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connector	DVDV:A		{FA 1 D}
connector	DVDV:B		{FA 1 C}
connector	ENEN1:A		{AD 3 D}
connector	ENEN1:B		{AD 3 D}
connector	ENOC:P:A		{AD 3 D} {AD 3 D}
connector	ENOC:P:B		{AD 3 D} {AD 3 D}
connector	FCABS:1		{EA 0 B}
connector	FCABS:2		{EA 0 B}
connector	FCABS:3		{EA 0 B}
connector	FCABS1:1		{EA 1 B}
connector	FCABS1:2		{EA 1 B}
connector	FCABS1:3		{EA 1 B}
connector	FCAD:A		{FA 3 D} {FA 2 D} {FA 0 D}
connector	FCAD:B		{FA 3 B} {FA 2 B} {FA 0 B}
connector	FCAR:A		{BB 0 C}
connector	FCAR:B		{BB 0 B}
connector	FCAX1:A		{NA 0 E}
connector	FCAX2:A		{NA 1 E}
connector	FCAX3:A		{NA 2 E}
connector	FCCE_1:1		{EA 2 D} {EC 1 D}
connector	FCCE_1:10		{BA 3 B}
connector	FCCE_1:11		{BA 3 B}
connector	FCCE_1:12		{GF 0 A}
connector	FCCE_1:13		{GF 1 A}
connector	FCCE_1:14		{BB 2 D}
connector	FCCE_1:2		{EA 3 D} {EC 2 D}
connector	FCCE_1:5		{GK 1 C} {GK 0 C} {GK 2 C} {GK 4 C}
connector	FCCE_1:6		{GF 0 A}
connector	FCCE_1:7		{GF 1 A}
connector	FCCE_1:8		{BB 2 C}
connector	FCCE_1:9		{BA 4 B}
connector	FCCE_2:1		{EA 0 D} {EC 0 B}
connector	FCCE_2:10		{EA 1 D} {EC 0 D}
connector	FCCE_2:11		{EA 1 D} {EC 0 D}
connector	FCCE_2:12		{EA 1 D} {EC 0 D}
connector	FCCE_2:13		{EA 1 D} {EC 3 D}
connector	FCCE_2:14		{EA 2 D} {EC 1 D}
connector	FCCE_2:2		{EA 0 D} {EC 4 D}
connector	FCCE_2:3		{EA 1 D} {EC 1 B}
connector	FCCE_2:4		{EA 2 D} {EC 1 B}
connector	FCCE_2:5		{EA 1 D} {EC 1 B}
connector	FCCE_2:6		{EA 1 D} {EC 3 D}
connector	FCCE_2:7		{EA 2 D} {EC 1 D}
connector	FCCE_2:8		{EA 0 D} {EC 0 B}
connector	FCCE_2:9		{EA 0 D} {EC 4 D}
connector	FCCE_3:A		{EA 3 D} {EC 2 D}
connector	FCCE_3:B		{EA 3 D} {EC 2 D}
connector	FCCE_3:C		{EA 3 D} {EC 2 D}
connector	FCCE_3:D		{EA 3 D} {EC 2 D}
connector	FCCE_3:E		{EA 3 D} {EC 2 D}
connector	FCCE_3:F		{EA 3 D} {EC 2 D}
connector	FCDPF:A		{CB 2 B}
connector	FCDPF:B		{CB 2 B}
connector	FCDPF:C		{CB 2 B}

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connector	FCDPF:E		{CB 1 D}
connector	FCDPF:F		{CB 1 D}
connector	FCDPF:G		{CB 0 D}
connector	FCDPF:H		{CB 1 D}
connector	FCDPF:J		{CB 1 D}
connector	FCDPF:K		{CB 1 D}
connector	FCDPFC:C		{CC 1 D}
connector	FCDPFC:E		{CC 2 D}
connector	FCDPFC:F		{CC 2 D}
connector	FCDPFC:G		{CC 2 D}
connector	FCDPFC:H		{CC 1 D}
connector	FCDPFC:J		{CC 1 D}
connector	FCDPFC:K		{CC 1 D}
connector	FCDV:A		{FA 0 D}
connector	FCDV:B		{FA 0 B}
connector	FCEN:A		{CC 0 D}
connector	FCEN:B		{CC 0 D}
connector	FCEN:C		{AD 1 B}
connector	FCEN:D		{AD 3 C}
connector	FCEN:E		{HA 1 C}
connector	FCES:A		{EB 1 B}
connector	FCES:B		{EB 1 B}
connector	FCES:C		{EB 1 B}
connector	FCES:D		{EB 1 B}
connector	FCES:E		{EB 2 B}
connector	FCES:F		{EB 2 D}
connector	FCES:G		{EB 2 D}
connector	FCES:H		{EB 2 D}
connector	FCFA:A		{JB 1 B} {JE 1 C}
connector	FCFA:B		{JB 1 B} {JE 1 C}
connector	FCFA:C		{JB 2 B} {JE 1 C}
connector	FCFA:D		{JB 2 C} {JE 1 C}
connector	FCFA1:A		{JC 0 D}
connector	FCFA1:B		{JC 0 D}
connector	FCFA1:C		{JC 0 D}
connector	FCFA1:D		{JC 0 D}
connector	FCFD1:A		{GE 2 B} {GE 1 B}
connector	FCFD1:B		{GE 3 B} {GE 1 B}
connector	FCFD1:C		{GE 3 D} {GE 3 D} {GE 1 D}
connector	FCFS:A		{CC 1 B}
connector	FCFS:B		{CC 1 B}
connector	FCFS1:A		{CC 1 B}
connector	FCFS1:B		{CC 1 B}
connector	FCFS2:A		{CC 1 B}
connector	FCFS2:B		{CC 1 B}
connector	FCHA:A		{EC 3 D}
connector	FCHA:B		{EC 3 D}
connector	FCHL:A		{GD 3 B} {GD 1 B} {GD 1 B} {GD 1 D} {GD 2 C}
connector	FCHL:B		{GD 3 B} {GD 1 B} {GD 1 D} {GD 2 C} {GD 1 B}
connector	FCHL:C		{GD 2 B} {GD 0 B} {GD 0 D} {GD 2 C} {GD 0 B}
connector	FCHL:D		{GD 2 B} {GD 0 B} {GD 0 D} {GD 2 C} {GD 0 B}

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connector	FCHL:F		{GD 4 B} {GD 1 B} {GD 1 D} {GD 4 C} {GD 1 B}
connector	FCHL:G		{GD 2 B} {GD 1 B} {GD 1 D} {GD 2 C} {GD 1 B}
connector	FCHL:H		{GD 2 B} {GD 0 D} {GD 2 C} {GD 0 C} {GD 0 D}
connector	FCHL:J		{GD 3 B} {GD 0 D} {GD 4 C} {GD 1 C} {GD 1 D}
connector	FCHL:K		{BA 2 B}
connector	FCHL:L		{BA 2 A}
connector	FCHL:M		{GD 3 A} {GD 3 C}
connector	FCPT0:A		{DP 4 D}
connector	FCPT01:A		{DP 0 C}
connector	FCPT01:B		{DP 0 D}
connector	FCSPJ5:A		{FC 3 D}
connector	FCSPJ5:B		{FD 1 C}
connector	FCSPJ5:C		{FC 2 C}
connector	FCSPJ5:E		{FD 3 C}
connector	FCSPJ5:G		{FF 1 D}
connector	FCSPJ5:H		{FC 3 C}
connector	FCSPJ5:K		{GQ 2 B}
connector	FCSPJ5:L		{FD 1 D}
connector	FCSPJ5:M		{FF 1 D}
connector	FCSPJ5:N		{GQ 2 D}
connector	FCSPJ5:R		{FC 2 D}
connector	FCSPJ5:S		{FD 3 D}
connector	FCSPJ6:A		{FC 1 D}
connector	FCSPJ6:B		{FD 2 C}
connector	FCSPJ6:C		{FC 1 C}
connector	FCSPJ6:E		{FD 3 C}
connector	FCSPJ6:F		{CH 3 C}
connector	FCSPJ6:G		{FB 1 C}
connector	FCSPJ6:H		{FC 1 C}
connector	FCSPJ6:J		{FB 0 C}
connector	FCSPJ6:K		{GQ 3 B}
connector	FCSPJ6:L		{FD 2 D}
connector	FCSPJ6:M		{FB 2 E}
connector	FCSPJ6:N		{GQ 3 D}
connector	FCSPJ6:P		{FB 2 C}
connector	FCSPJ6:R		{FB 1 E} {CH 2 D} {FC 1 D}
connector	FCSPJ6:S		{FD 3 D}
connector	FCSS:A		{JB 0 C} {JE 2 C}
connector	FCSS:B		{JB 1 C} {JE 2 B}
connector	FCSS:C		{JB 1 C} {JE 2 B}
connector	FCSS:D		{JB 1 C} {JE 2 B}
connector	FCSS:E		{JB 1 C} {JE 2 C}
connector	FCSS1:A		{JC 1 D}
connector	FCSS1:B		{JC 2 D}
connector	FCSS1:C		{JC 2 D}
connector	FCWB:A		{GP 3 C} {GP 3 B}
connector	FCWB:B		{GP 2 B}
connector	FCWB:C		{GP 3 A} {GP 3 B}
connector	FRC:B1-1_2		{BD 2 B}
connector	FRC:B1-2_2		{NA 4 B} {BC 1 B}

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connector	FRC:B1-3_2		{GC 3 B}
connector	FRC:B1-4_2		{FF 1 B}
connector	FRC:B1-5_2		{BC 1 B}
connector	FRC:B1-6_2		{BD 2 B}
connector	FRC:F1_B		{IC 2 A} {ID 3 A}
connector	FRC:F10_B		{GB 2 B}
connector	FRC:F11_B		{BD 2 A}
connector	FRC:F12_B		{XA 2 A} {NA 3 B} {BC 1 A}
connector	FRC:F13_B		{BF 1 A}
connector	FRC:F14_B		{EB 4 A}
connector	FRC:F15_B		{AB 1 B}
connector	FRC:F16_B		{GB 3 A}
connector	FRC:F17_A		{AB 2 B}
connector	FRC:F17_B		{HB 3 A} {HG 3 B}
connector	FRC:F19_B		{GB 1 B}
connector	FRC:F2_B		{BA 1 B} {KA 0 A} {KB 2 A} {KC 0 A}
connector	FRC:F20_B		{BA 0 B} {KA 1 A} {KB 2 A} {KC 1 A}
connector	FRC:F21_A		{CC 1 A}
connector	FRC:F21_B		{CC 1 B}
connector	FRC:F22_B		{CE 1 B}
connector	FRC:F23_B		{HA 0 B}
connector	FRC:F25_B		{IB 2 B}
connector	FRC:F26_A		{AB 1 D}
connector	FRC:F26_B		{GP 0 B}
connector	FRC:F27_B		{FD 1 A}
connector	FRC:F28_B		{JA 1 B}
connector	FRC:F29_B		{BH 1 B}
connector	FRC:F3_A		{AB 3 D}
connector	FRC:F3_B		{IC 1 A} {ID 2 A}
connector	FRC:F30_B		{GI 1 B}
connector	FRC:F31_A		{AB 2 D}
connector	FRC:F31_B		{FF 1 A}
connector	FRC:F32_B		{GI 1 B}
connector	FRC:F33_B		{FA 2 A}
connector	FRC:F38_A		{AA 3 C}
connector	FRC:F38_B		{DB 3 A} {DG 1 A} {DA 0 B} {DF 1 A}
connector	FRC:F4_B		{IC 3 A} {ID 1 A}
connector	FRC:F40_B		{DP 2 A}
connector	FRC:F42_B		{GB 3 B}
connector	FRC:F43_B		{GB 2 A}
connector	FRC:F44_A		{AA 0 C}
connector	FRC:F44_B		{GQ 1 B}
connector	FRC:F45_B		{GB 3 A}
connector	FRC:F46_B		{HB 1 A} {HF 2 B}
connector	FRC:F47_B		{HB 2 A}
connector	FRC:F48_B		{HB 1 A} {GJ 1 B}
connector	FRC:F49_B		{GB 3 B}
connector	FRC:F50_B		{HB 2 A} {HG 1 A}
connector	FRC:F51_A		{AA 0 B}
connector	FRC:F51_B		{HA 0 A}
connector	FRC:F52_B		{AA 1 B} {BG 1 B}
connector	FRC:F53_B		{IF 2 A}

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connector	FRC:F55_B		{GC 3 A} {BH 0 B}
connector	FRC:F56_B		{FG 1 A}
connector	FRC:F57_B		{EA 2 A} {EC 2 B}
connector	FRC:F58_A		{AA 2 D}
connector	FRC:F58_B		{GA 1 B}
connector	FRC:F59_B		{BE 2 A} {BF 1 A} {BG 1 B}
connector	FRC:F6_B		{DA 0 A}
connector	FRC:F60_B		{HB 3 A} {HG 3 B}
connector	FRC:F61_B		{BC 1 A}
connector	FRC:F62_B		{GK 0 A} {GK 2 A} {GK 3 A}
connector	FRC:F63_B		{FC 1 A}
connector	FRC:F64_B		{BH 1 B}
connector	FRC:F65_B		{BH 0 B}
connector	FRC:F66_A		{AA 3 D}
connector	FRC:F66_B		{BD 2 A}
connector	FRC:F67_B		{JB 2 A} {EB 3 B} {JC 2 A} {JE 1 B}
connector	FRC:F68_A		{AA 4 D} {DA 0 B}
connector	FRC:F68_B		{DA 0 C}
connector	FRC:F69_B		{DA 1 C}
connector	FRC:F7_A		{AB 4 B}
connector	FRC:F70_B		{AE 0 B}
connector	FRC:F71_B		{AE 0 B}
connector	FRC:F72_A		{AE 1 B}
connector	FRC:F72_B		{AE 1 B}
connector	FRC:F73_B		{AE 3 B}
connector	FRC:F74_A		{AE 3 B}
connector	FRC:F74_B		{AE 3 B}
connector	FRC:F75_B		{AE 3 B}
connector	FRC:F77_B		{IG 0 B}
connector	FRC:F78_B		{IA 1 B}
connector	FRC:F79_B		{IG 3 B}
connector	FRC:F8_B		{GB 2 A}
connector	FRC:F80_A		{AA 1 D}
connector	FRC:F80_B		{HB 1 A}
connector	FRC:F81_B		{NA 0 B}
connector	FRC:F82_B		{IG 2 B}
connector	FRC:F83_A		{AE 1 C}
connector	FRC:F83_B		{AE 1 C}
connector	FRC:F9_A		{AB 3 C}
connector	FRC:F9_B		{MA 2 A}
connector	FRC:R1_30		{AA 3 B}
connector	FRC:R1_85		{AA 3 C}
connector	FRC:R1_86		{AA 3 B}
connector	FRC:R1_87		{AA 3 C}
connector	FRC:R10_30		{GQ 0 C}
connector	FRC:R10_85		{GQ 0 C}
connector	FRC:R10_86		{GQ 0 C}
connector	FRC:R10_87		{GQ 0 C}
connector	FRC:R11_30		{IA 1 C}
connector	FRC:R11_85		{ID 4 A} {IA 3 A} {IA 3 C} {IA 2 C} {IA 2 C}
connector	FRC:R11_86		{IA 2 C}
connector	FRC:R11_87		{IA 1 C}
connector	FRC:R12_30		{GP 1 B}

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connector	FRC:R12_86		{GP 0 B}
connector	FRC:R12_87		{GP 1 B}
connector	FRC:R12_87A		{GP 1 B}
connector	FRC:R13_30		{DB 2 B} {AG 2 D} {DF 2 B}
connector	FRC:R13_85		{DB 2 B} {AG 2 C} {DF 2 B}
connector	FRC:R13_86		{DB 2 B} {AG 2 D} {DF 2 B}
connector	FRC:R13_87		{DB 2 B} {AG 2 C} {DF 2 B}
connector	FRC:R14_30		{FB 3 A} {GK 0 B} {GK 2 B}
connector	FRC:R14_85		{FB 2 B} {GK 0 B} {GK 2 C}
connector	FRC:R14_86		{FB 2 A} {GK 0 B} {GK 2 B}
connector	FRC:R14_87		{FB 3 B} {GK 0 B} {GK 2 C}
connector	FRC:R14_87A		{FB 3 B}
connector	FRC:R2_30		{AB 2 C}
connector	FRC:R2_85		{AB 1 D}
connector	FRC:R2_86		{AB 1 C}
connector	FRC:R2_87		{AB 2 D}
connector	FRC:R3_30		{GB 2 B}
connector	FRC:R3_85		{GB 2 B}
connector	FRC:R3_86		{GB 2 B}
connector	FRC:R3_87		{GB 2 B}
connector	FRC:R4_30		{AE 1 C}
connector	FRC:R4_85		{AE 1 B}
connector	FRC:R4_86		{AE 1 C}
connector	FRC:R4_87		{AE 1 B}
connector	FRC:R5_30		{AB 1 C}
connector	FRC:R5_85		{AB 1 D}
connector	FRC:R5_86		{AB 1 C}
connector	FRC:R5_87		{AB 1 D}
connector	FRC:R6_30		{GB 1 B}
connector	FRC:R6_85		{GB 1 B}
connector	FRC:R6_86		{GB 0 B}
connector	FRC:R6_87		{GB 1 B}
connector	FRC:R7_30		{DP 1 B}
connector	FRC:R7_85		{DP 1 B}
connector	FRC:R7_86		{DP 1 B}
connector	FRC:R7_87		{DP 1 B}
connector	FRC:R8_30		{AA 2 B}
connector	FRC:R8_85		{AA 2 C}
connector	FRC:R8_86		{AA 2 B}
connector	FRC:R8_87		{AA 2 C}
connector	FRC:R9_30		{MA 2 B}
connector	FRC:R9_85		{MA 2 B}
connector	FRC:R9_86		{MA 2 B}
connector	FRC:R9_87		{MA 2 B}
connector	HLMLX:A		{GD 3 D}
connector	HLMLX:B		{GD 2 E}
connector	IRIC:A		{HC 1 C}
connector	IRIC:B		{HC 0 C}
connector	IRIC:C		{HC 0 C}
connector	IRIC:D		{HC 0 C}
connector	IRIC:E		{HC 0 C}
connector	LKDL:A		{IF 1 B}
connector	LKDL:B		{IF 1 B}
connector	LKDL:C		{IF 2 C}
connector	LKDL:D		{IF 1 C}

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connector	LKDR:A		{IF 2 C}
connector	LKDR:B		{IF 2 C}
connector	LKDR:C		{IF 2 C}
connector	MCABS1:D		{EA 2 B} {EC 2 B}
connector	MCABS1:E		{EA 2 B} {EC 2 B}
connector	MCABS1:F		{EA 3 A} {EC 4 A}
connector	MCABS1:G		{EA 2 B} {EC 3 C}
connector	MCABS1:H		{EA 2 B} {EC 3 C}
connector	MCABS1:J		{EA 3 C} {EC 3 C}
connector	MCABS1:K		{EA 3 C} {EC 3 C}
connector	MCAX:A		{NA 2 B} {NA 1 B} {NA 0 B}
connector	MCAX:B		{NA 0 C} {NA 2 C} {NA 1 C}
connector	MCBB:A		{BI 1 B}
connector	MCBB:B		{BI 1 B}
connector	MCBOC:A		{GG 3 B} {GG 2 B} {GG 2 B}
connector	MCBOC:B		{GG 3 D} {GG 2 D} {GG 2 D}
connector	MCCB:A		{IG 3 B}
connector	MCCB:B		{IG 3 D}
connector	MCCS1:A		{AG 3 B}
connector	MCCS2:A		{AG 3 B}
connector	MCDC1:F		{IA 3 E}
connector	MCDC1:G		{IA 3 D}
connector	MCDC2:B		{IA 3 E}
connector	MCDC2:F		{IA 3 D} {IA 4 D}
connector	MCDL2:A		{IC 2 B} {ID 3 B}
connector	MCDL2:B		{IC 1 B}
connector	MCDL2:C		{IC 1 C}
connector	MCDL2:D		{IC 1 B}
connector	MCDL2:E		{IC 2 B} {ID 3 C}
connector	MCDL2:F		{IC 2 B}
connector	MCDL2:G		{IC 2 B} {ID 4 C}
connector	MCDL2:H		{IC 2 C} {ID 2 C}
connector	MCDL3:A		{IC 1 B} {ID 2 B}
connector	MCDL3:B		{IC 2 C}
connector	MCDL3:D		{IA 1 C}
connector	MCDL3:E		{IA 1 C}
connector	MCDL3:F		{AC 2 D} {ID 3 D}
connector	MCDL3:G		{ID 4 B} {IA 3 A} {IA 3 D} {IA 2 D}
connector	MCDL4:A		{KA 0 D} {KB 3 D} {KC 0 E}
connector	MCDL4:B		{KA 0 D} {KB 4 D} {KC 0 E}
connector	MCDR2:A		{IA 1 C}
connector	MCDR2:B		{AC 3 A} {ID 0 D}
connector	MCDR2:C		{IA 1 C}
connector	MCDR2:D		{IC 3 B} {ID 1 B}
connector	MCDR2:E		{IC 2 D}
connector	MCDR2:F		{IA 3 A} {IA 4 C} {IA 2 D}
connector	MCDR3:A		{KA 1 D} {KB 2 D} {KC 0 E}
connector	MCDR3:B		{KA 1 D} {KB 2 D} {KC 0 E}
connector	MCEB1:A		{AF 3 D}
connector	MCEB1:B		{AH 3 B}
connector	MCEB1:C		{AH 1 D} {AH 3 C} {AH 3 E} {AH 1 B}
connector	MCEB1:D		{AH 1 D} {AH 3 C} {AH 2 B} {AH 1 B}

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connector	MCEB1:E		{AH 1 D} {AH 3 D}
connector	MCEB1:F		{AG 4 C}
connector	MCEB1:G		{AG 4 C}
connector	MCEB2:A		{AH 3 B} {AH 1 B} {AH 0 B} {AH 0 B}
connector	MCEB2:B		{AH 3 D} {AH 1 C} {AH 0 C} {AH 0 D}
connector	MCFC:1		{AE 2 D}
connector	MCFC:10		{GQ 2 D} {GQ 2 D} {GQ 1 D}
connector	MCFC:100		{NA 1 D}
connector	MCFC:101		{NA 2 D}
connector	MCFC:102		{CB 1 B}
connector	MCFC:11		{BA 2 D}
connector	MCFC:12		{GQ 2 B} {GQ 3 B} {GQ 2 B}
connector	MCFC:13		{GE 3 B} {GE 1 B} {GE 1 B}
connector	MCFC:14		{GE 2 B} {GE 1 B} {GE 1 B}
connector	MCFC:15		{GD 1 A}
connector	MCFC:16		{GD 1 A}
connector	MCFC:17		{GD 0 A}
connector	MCFC:18		{GD 0 A}
connector	MCFC:19		{BB 1 C}
connector	MCFC:2		{MA 2 C}
connector	MCFC:20		{BB 0 C}
connector	MCFC:21		{BA 3 B}
connector	MCFC:22		{BA 3 B}
connector	MCFC:23		{GD 0 A}
connector	MCFC:24		{GA 2 D}
connector	MCFC:25		{GA 3 D}
connector	MCFC:26		{GP 2 B}
connector	MCFC:27		{GK 0 C} {GK 2 C} {GK 4 C}
connector	MCFC:28		{AG 2 B}
connector	MCFC:29		{BA 2 E}
connector	MCFC:3		{AE 2 D}
connector	MCFC:30		{BA 4 B}
connector	MCFC:31		{CB 2 B}
connector	MCFC:32		{BH 0 C}
connector	MCFC:33		{XA 1 D} {XA 0 D} {XA 0 D}
connector	MCFC:34		{XA 1 D} {XA 0 D} {XA 0 D}
connector	MCFC:35		{GD 1 A}
connector	MCFC:36		{HA 1 B}
connector	MCFC:37		{BH 3 D}
connector	MCFC:38		{FC 3 C} {FC 0 C} {FC 0 C}
connector	MCFC:39		{FD 2 C} {FD 3 C} {FD 2 C}
connector	MCFC:4		{MA 3 C}
connector	MCFC:40		{FG 1 C}
connector	MCFC:41		{FD 1 C} {FD 1 C} {FD 1 C}
connector	MCFC:42		{FC 2 C} {FC 3 C} {FC 2 C}
connector	MCFC:44		{FB 1 C} {EB 1 B} {JC 0 D}
connector	MCFC:45		{JB 1 C} {FB 2 C} {EB 1 B} {JC 1 D} {JE 3 C}
connector	MCFC:46		{CB 1 B}
connector	MCFC:47		{FB 0 C}
connector	MCFC:48		{MA 3 C}
connector	MCFC:49		{MA 1 C}
connector	MCFC:5		{CE 1 B}
connector	MCFC:50		{DP 4 D} {EB 1 B} {JC 0 D}

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connector	MCFC:51		{JB 1 C} {EB 2 B} {JC 2 D} {JE 3 B}
connector	MCFC:52		{JB 1 C} {EB 2 D} {JC 2 D} {JE 3 B}
connector	MCFC:53		{EB 2 D} {JC 0 D}
connector	MCFC:56		{EB 2 D} {JC 0 D}
connector	MCFC:58		{DP 0 C}
connector	MCFC:59		{CH 3 C}
connector	MCFC:6		{FA 2 B}
connector	MCFC:61		{BB 1 C}
connector	MCFC:62		{JB 2 B} {JC 3 A} {JE 1 B}
connector	MCFC:65		{BH 3 D}
connector	MCFC:66		{AD 2 C}
connector	MCFC:68		{AE 1 C}
connector	MCFC:69		{FF 1 C}
connector	MCFC:71		{BA 3 C}
connector	MCFC:72		{CC 1 C}
connector	MCFC:75		{GI 1 D}
connector	MCFC:76		{GI 1 D}
connector	MCFC:77		{GI 1 D}
connector	MCFC:78		{GP 1 C}
connector	MCFC:79		{GI 1 D}
connector	MCFC:80		{GP 1 D}
connector	MCFC:81		{GP 2 D}
connector	MCFC:82		{GP 2 A}
connector	MCFC:83		{XA 2 D} {XA 2 D} {XA 4 D} {XA 4 D} {XA 3 D}
connector	MCFC:84		{XA 2 D} {XA 2 D} {XA 3 D} {XA 4 D} {XA 3 D}
connector	MCFC:85		{GP 2 A}
connector	MCFC:9		{GQ 0 D}
connector	MCFC:93		{CB 2 B}
connector	MCFC:94		{FF 1 C}
connector	MCFC:95		{GD 1 A}
connector	MCFC:96		{MA 2 C}
connector	MCFC:97		{GA 2 D}
connector	MCFC:98		{MA 2 C}
connector	MCFC:99		{NA 0 D}
connector	MCLA:A		{FB 3 B}
connector	MCLA:B		{FB 0 C}
connector	MCLA:C		{FB 1 C}
connector	MCLA:D		{FB 2 C}
connector	MCLA:F		{FB 0 B}
connector	MCLA:G		{FB 0 C}
connector	MCLK:A		{IF 2 B}
connector	MCLK:B		{IF 2 B}
connector	MCLK:C		{IF 2 B}
connector	MCLK:D		{IF 2 B}
connector	MCLK:E		{IF 2 B}
connector	MCMC1:A		{CC 2 B} {CC 2 B}
connector	MCMC1:B		{DB 3 C}
connector	MCMC1:C		{DB 3 C}
connector	MCMC1:D		{AE 2 B} {AE 2 B}
connector	MCMC1:E		{DB 3 C}
connector	MCMC2:C		{AF 3 C} {AF 3 C} {AF 3 C}
connector	MCMC3:A		{BB 1 D}

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connector	MCMC3:B		{BB 1 D}
connector	MCMC3:C		{BB 1 D}
connector	MCMC3:E		{GA 3 B} {JD 3 D} {BB 1 E}
connector	MCMC3:F		{GA 3 C} {JD 2 D} {BB 1 E}
connector	MCMC3:G		{GA 3 C} {BB 1 E}
connector	MCMC3:H		{JD 2 B}
connector	MCMC4:A		{DP 1 C} {DP 1 C}
connector	MCMC4:B		{DP 3 A}
connector	MCMC4:C		{DP 2 D}
connector	MCMC4:D		{DP 4 C}
connector	MCMI:E		{JD 3 D}
connector	MCMI:F		{JD 2 D}
connector	MCMI:H		{JD 2 B}
connector	MCMJ1:1		{IC 3 B} {ID 3 D}
connector	MCMJ1:2		{IC 4 B} {ID 4 D}
connector	MCMJ1:3		{IC 3 D} {ID 3 D}
connector	MCMJ1:4		{IC 3 B}
connector	MCMJ1:5		{IC 3 B} {ID 4 D}
connector	MCMJ2:1		{IC 1 B}
connector	MCMJ2:2		{IC 0 B} {ID 2 D}
connector	MCMJ2:3		{IC 0 D} {ID 2 D}
connector	MCMJ2:4		{IC 1 B}
connector	MCMJ2:5		{IC 1 B}
connector	MCML1:A		{IE 1 B} {IE 1 B}
connector	MCML1:B		{IE 1 D} {IE 1 D}
connector	MCML2:A		{IE 1 B} {IE 1 B}
connector	MCML2:B		{IE 1 D} {IE 1 D}
connector	MCMM:A		{BG 1 B}
connector	MCMM:C		{BG 1 B}
connector	MCMO2:A		{ID 3 B}
connector	MCMO2:E		{ID 3 C}
connector	MCMO2:G		{ID 4 C}
connector	MCMO2:H		{ID 2 C}
connector	MCMO3:A		{ID 2 B}
connector	MCMO3:F		{ID 3 D}
connector	MCMO3:G		{ID 4 B}
connector	MCOF1:A		{IA 1 C}
connector	MCOF1:B		{IA 0 C}
connector	MCOF1:C		{GC 2 C} {GC 2 B}
connector	MCOF1:D		{AC 3 B}
connector	MCOF1:E		{IA 0 C}
connector	MCPL:A		{GI 2 C}
connector	MCPL:B		{GI 0 D}
connector	MCPL:C		{GI 2 C}
connector	MCPL:D		{GI 1 B}
connector	MCPL:E		{GI 1 B}
connector	MCPL:F		{GI 1 B}
connector	MCPL:G		{GI 0 D}
connector	MCPL:H		{GJ 1 B}
connector	MCPL2:A		{GI 1 C}
connector	MCPL2:B		{GI 1 C}
connector	MCPL2:C		{GI 1 C}
connector	MCPL2:D		{GI 1 C}
connector	MCPT01:A		{DP 1 C}
connector	MCPT01:B		{DP 3 A}
connector	MCPT01:C		{DP 3 D}

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connector	MCPT02:A		{DP 1 C}
connector	MCPW:B		{ID 0 D}
connector	MCPW:D		{ID 1 B}
connector	MCPW:F		{IA 3 A}
connector	MCQC:A		{BE 2 B}
connector	MCQC:C		{BE 1 B}
connector	MCRAD1:A		{KA 2 B} {KB 3 B} {KC 3 A}
connector	MCRAD1:B		{KA 2 B} {KB 3 B} {KC 3 A}
connector	MCRAD1:C		{KA 1 B} {KB 3 B} {KC 2 A}
connector	MCRAD1:D		{KA 1 B} {KB 3 B} {KC 2 A}
connector	MCRJ:1		{KB 2 D} {KC 1 D}
connector	MCRJ:10		{KB 3 D} {KC 1 D}
connector	MCRJ:12		{KB 2 B} {KC 2 A}
connector	MCRJ:13		{KB 3 D} {KC 0 D}
connector	MCRJ:14		{KB 4 D} {KC 0 D}
connector	MCRJ:15		{KB 2 B} {KC 1 A}
connector	MCRJ:16		{KB 4 D} {KC 3 C}
connector	MCRJ:2		{KB 2 D} {KC 1 D}
connector	MCRJ:5		{KB 2 D} {KC 1 D}
connector	MCRJ:6		{KB 2 D} {KC 2 D}
connector	MCRJ:7		{KB 3 B} {KC 2 A}
connector	MCRJ:8		{KB 2 B} {KC 0 B}
connector	MCRJ:9		{KB 3 D} {KC 1 D}
connector	MCRJ2:A		{KB 1 C} {KC 2 C}
connector	MCRJ2:B		{KB 1 C} {KC 2 C}
connector	MCRJ2:C		{KB 1 C} {KC 3 C}
connector	MCRJ2:D		{KB 1 D} {KC 3 C}
connector	MCRJA:3		{KA 1 B} {KB 3 B} {KC 2 A}
connector	MCRJA:4		{KA 0 B} {KB 2 B} {KC 0 B}
connector	MCRJA:6		{KA 1 B} {KB 2 B} {KC 2 A}
connector	MCRJA:7		{BA 0 B} {KA 1 B} {KB 2 B} {KC 1 A}
connector	MCRJA:8		{KA 2 C} {KB 4 D} {KC 3 C}
connector	MCRJB:1		{KA 1 C} {KB 2 D} {KC 1 D}
connector	MCRJB:2		{KA 1 C} {KB 2 D} {KC 1 D}
connector	MCRJB:3		{KA 1 C} {KB 2 D} {KC 1 D}
connector	MCRJB:4		{KA 1 C} {KB 2 D} {KC 2 D}
connector	MCRJB:5		{KA 1 C} {KB 3 D} {KC 1 D}
connector	MCRJB:6		{KA 2 C} {KB 3 D} {KC 1 D}
connector	MCRJB:7		{KA 0 C} {KB 3 D} {KC 0 D}
connector	MCRJB:8		{KA 1 C} {KB 4 D} {KC 0 D}
connector	MCRR:1		{BC 3 B}
connector	MCRR:10		{BC 3 C}
connector	MCRR:12		{BC 3 B}
connector	MCRR:13		{BC 3 C}
connector	MCRR:14		{BC 3 C}
connector	MCRR:15		{BC 3 B}
connector	MCRR:16		{BC 3 B}
connector	MCRR:2		{BC 3 B}
connector	MCRR:5		{BC 3 B}
connector	MCRR:6		{BC 3 C}
connector	MCRR:7		{BC 3 C}
connector	MCRR:8		{BC 3 B}
connector	MCRR:9		{BC 3 C}
connector	MCRS:A		{IG 2 C}

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connector	MCRS0:A		{GC 2 B}
connector	MCRS0:B		{GC 1 B}
connector	MCRS0:C		{GC 2 B}
connector	MCRS0:D		{GC 1 B}
connector	MCRS0:E		{GC 1 B}
connector	MCRWJ:A		{KB 1 D}
connector	MCRWJ:B		{KB 1 D}
connector	MCRWJ:C		{KB 1 D}
connector	MCRWJ:D		{KB 1 D}
connector	MCRWJ:E		{GG 1 B}
connector	MCRWJ:F		{GG 1 E}
connector	MCSL1:A		{KB 0 B} {KB 1 D} {KB 0 D} {KC 4 D} {KC 4 C} {KC 2 C}
connector	MCSL1:B		{KB 1 B} {KB 1 D} {KB 0 D} {KC 4 D} {KC 4 C} {KC 2 C}
connector	MCSL1:C		{KB 0 B} {KB 1 D} {KB 0 D} {KC 4 D} {KC 4 C} {KC 3 C}
connector	MCSL1:D		{KB 0 B} {KB 1 D} {KB 0 D} {KC 4 D} {KC 4 C} {KC 3 C}
connector	MCSL1:E		{GG 1 B} {GH 0 B} {GH 2 B}
connector	MCSL1:F		{GG 1 E} {GH 0 D} {GH 2 D}
connector	MCSL2:A		{HB 0 C}
connector	MCSL2:B		{HB 0 C}
connector	MCSL2:C		{HB 1 C}
connector	MCSL2:D		{HB 1 C}
connector	MCSL2:E		{HB 1 B}
connector	MCSL2:F		{HB 3 B} {HG 3 C}
connector	MCSL2:G		{HD 0 B} {HE 2 D} {HH 2 D}
connector	MCSL2:H		{HD 0 B} {HE 2 D} {HH 2 D}
connector	MCSL2:J		{HB 0 B}
connector	MCSL2:K		{AF 3 B}
connector	MCSL3:A		{HB 2 D} {HG 1 D}
connector	MCSL3:B		{HD 0 D} {HE 1 D} {HG 3 C} {HH 1 D}
connector	MCSL3:C		{HD 1 D} {HE 2 D} {HF 2 D} {HH 2 D}
connector	MCSL3:E		{HB 2 B}
connector	MCSL3:F		{HB 1 B} {HF 2 B}
connector	MCSL3:G		{HB 3 B} {HG 3 B}
connector	MCSL3:H		{HB 2 B} {HG 1 B}
connector	MCSR1:A		{GA 1 D} {IE 1 B} {IE 1 C} {IE 1 C}
connector	MCSR1:B		{GA 1 E} {IE 1 D} {IE 1 D} {IE 1 D}
connector	MCSR2:A		{GA 1 D} {IE 1 B}
connector	MCSR2:B		{GA 1 E} {IE 1 D}
connector	MCST1:A		{DB 1 C} {DG 3 B}
connector	MCST1:B		{DB 0 C} {DG 2 B}
connector	MCST1:C		{DB 0 C} {DG 2 B}
connector	MCST1:D		{DB 0 C} {DG 2 B}
connector	MCST1:E		{DB 0 C}
connector	MCST2:A		{DA 0 D}
connector	MCST2:B		{DA 0 D}
connector	MCST2:C		{DA 0 D}
connector	MCST2:D		{DA 1 D}

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connector	MCST2:F		{DA 1 D}
connector	MCST2:G		{DA 1 D}
connector	MCST2:H		{DA 1 D}
connector	MCST2:J		{DA 1 D}
connector	MCST2:K		{DA 1 D}
connector	MCST3:A		{DF 1 D}
connector	MCST3:B		{DF 1 D}
connector	MCST3:C		{DF 0 D}
connector	MCST3:D		{DF 0 D}
connector	MCST3:E		{DF 1 D}
connector	MCST3:F		{DF 1 D}
connector	MCST3:G		{DF 1 D}
connector	MCSW:A		{BB 1 D}
connector	MCSW:B		{BB 1 D}
connector	MCSW:C		{BB 1 D}
connector	MCSW2:E		{BB 1 D}
connector	MCSW2:F		{BB 1 D}
connector	MCSW2:G		{BB 1 D}
connector	MCTLK1:C		{AF 3 C}
connector	MCTLK2:C		{AF 3 C}
connector	MCTR1:A		{DB 3 B} {DG 1 D}
connector	MCTR1:B		{BA 4 D}
connector	MCTR1:C		{BA 4 E}
connector	MCTR1:D		{AG 0 C}
connector	MCTR1:E		{AG 0 C}
connector	MCTR1:F		{GK 2 B} {GK 4 B}
connector	MCTR1:G		{GK 2 B} {GK 3 B}
connector	MCTR2:1		{DB 1 C} {DG 2 D}
connector	MCTR2:10		{DB 2 C}
connector	MCTR2:11		{DB 2 C} {DG 1 D}
connector	MCTR2:12		{DB 2 C} {DG 1 C}
connector	MCTR2:13		{DB 2 C} {DG 3 D}
connector	MCTR2:14		{DB 2 C} {DG 3 D}
connector	MCTR2:2		{DB 1 C} {DG 2 D}
connector	MCTR2:3		{DB 1 C} {DG 2 D}
connector	MCTR2:4		{DB 1 C} {DG 3 D}
connector	MCTR2:5		{DB 3 D}
connector	MCTR2:6		{DB 3 D}
connector	MCTR2:7		{DB 3 D}
connector	MCTR2:8		{DB 2 C} {DG 2 D}
connector	MCTR2:9		{DB 2 C} {DG 2 D}
connector	MCTR3:13		{DA 3 C}
connector	MCTR3:14		{DA 2 C}
connector	MCTR3:2		{DA 0 D}
connector	MCTR3:3		{AG 1 C}
connector	MCTR3:4		{AG 1 C}
connector	MCTR3:7		{DA 2 C}
connector	MCTR3:8		{DA 3 B}
connector	MCTR3:9		{DA 3 B}
connector	MCTR4:1		{DF 0 B}
connector	MCTR4:10		{DE 2 C}
connector	MCTR4:11		{DE 2 C}
connector	MCTR4:12		{DE 2 D}
connector	MCTR4:13		{DE 3 C}
connector	MCTR4:14		{DE 0 C}

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connector	MCTR4:3		{DE 1 C}
connector	MCTR4:4		{DE 2 C}
connector	MCTR4:5		{DE 2 C}
connector	MCTR4:6		{DE 2 C}
connector	MCTR4:7		{DF 0 C}
connector	MCTR4:8		{DE 2 C}
connector	MCTR4:9		{DE 2 C}
connector	MCTR5:1		{DE 0 C}
connector	MCTR5:10		{DE 1 C}
connector	MCTR5:11		{DE 0 C}
connector	MCTR5:12		{DE 0 C}
connector	MCTR5:13		{DE 1 C}
connector	MCTR5:14		{DE 1 C}
connector	MCTR5:2		{DE 0 C}
connector	MCTR5:3		{DE 1 B}
connector	MCTR5:4		{DE 1 C}
connector	MCTR5:5		{DE 1 C}
connector	MCTR5:6		{DE 0 C}
connector	MCTR5:7		{DE 0 C}
connector	MCTR5:8		{DE 1 C}
connector	MCTR5:9		{DE 1 C}
connector	MCTT:A		{MA 1 B} {BE 3 B}
connector	MCUS1:A		{CC 2 B}
connector	MCUS1:B		{CC 2 B} {AE 2 C}
connector	MCUS1:C		{CC 2 B} {AE 2 C}
connector	MCUS1:D		{AE 2 B}
connector	MCUS1:E		{CC 2 B} {AE 3 C}
connector	MCUS2:A		{CC 2 B}
connector	MCUS2:D		{AE 2 B}
connector	MCVE:A		{JB 2 A} {EB 3 C} {JC 2 B} {JE 1 B}
connector	MCVE:B		{JB 3 B} {EB 4 D} {JC 3 B}
connector	MCVE:C		{JB 2 D} {JC 2 C} {JE 4 D}
connector	MCVE:D		{JB 2 D} {EB 2 C} {JC 2 D} {JE 4 C}
connector	MCVE:E		{JB 2 D} {EB 2 C} {JC 2 D} {JE 3 C}
connector	MCVE:F		{JB 1 D} {EB 1 C} {JC 1 D} {JE 3 C}
connector	MCVE:G		{EB 2 C} {JC 0 C}
connector	MCVE:H		{EB 2 C} {JC 0 C}
connector	MCVE:J		{EB 1 C} {JC 0 C}
connector	MCVE:K		{EB 1 C} {JC 0 C}
connector	MCVE:L		{EB 4 B}
connector	MCVL:A		{BE 2 B} {BF 1 B} {BG 1 B}
connector	MCVL:B		{BF 1 B}
connector	MCVL:C		{BE 1 B} {BE 1 B} {BG 1 B}
connector	MFA07A:1		{KD 2 B}
connector	MFA07A:2		{KD 2 B}
connector	MFA07A:3		{BC 4 C} {KA 1 B} {KB 3 B} {KC 1 B}
connector	MFA07A:4		{BC 4 B} {KA 0 B} {KB 2 B} {KC 0 B}
connector	MFA07A:6		{BC 4 B} {KA 1 B} {KB 2 B} {KC 1 B}

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connector	MFA07A:7		{BC 4 B} {KA 1 B} {KB 2 B} {KC 1 B}
connector	MFA07A:8		{BC 4 B} {KA 2 C} {KB 3 C} {KC 3 B}
connector	MFA07B:1		{BC 4 B} {KA 1 C} {KB 2 C} {KC 2 B}
connector	MFA07B:2		{BC 4 B} {KA 1 C} {KB 3 C} {KC 3 B}
connector	MFA07B:3		{BC 4 B} {KA 1 C} {KB 3 C} {KC 1 B}
connector	MFA07B:4		{BC 4 C} {KA 1 C} {KB 3 C} {KC 1 B}
connector	MFA07B:5		{BC 4 C} {KA 1 C} {KB 3 C} {KC 0 B}
connector	MFA07B:6		{BC 4 C} {KA 2 C} {KB 3 C} {KC 1 B}
connector	MFA07B:7		{BC 4 C} {KA 0 C} {KB 2 C} {KC 1 B}
connector	MFA07B:8		{BC 4 C} {KA 1 C} {KB 2 C} {KC 2 B}
connector	MFMIC:1		{KD 2 B}
connector	MFMIC:2		{KD 2 B}
connector	MODL3:F		{ID 4 C}
connector	MODL3:G		{ID 4 B}
connector	0BTBJ:A		{HD 3 C}
connector	0BTBJ:C		{HD 3 E}
connector	0FLJ:A		{IA 2 C}
connector	0FLJ:B		{IA 2 A}
connector	0FLJ:C		{IA 2 A}
connector	0FRFJ:A		{GC 1 C}
connector	0FRFJ:B		{GC 1 D}
connector	0FSL:A		{KC 2 D}
connector	0FSL:B		{KC 2 D}
connector	0FSL:C		{KC 2 D}
connector	0FSL:D		{KC 2 D}
connector	0FSL:E		{KC 2 D}
connector	0FSL:F		{KC 2 D}
connector	0FSL:G		{KC 3 D}
connector	0FSL:H		{KC 3 D}
connector	0FSV:1		{GC 3 C}
connector	0FSV:2		{GC 3 D}
connector	0LMM:A		{BG 2 B}
connector	OPT1:A		{BF 3 C} {BG 3 C}
connector	OPT1:B		{BF 3 B} {BG 3 C}
connector	OPT1587:A		{XA 1 B}
connector	OPT1587:B		{XA 0 B}
connector	OPT2:A		{BC 1 D}
connector	OPT2:B		{BC 1 D}
connector	OPT3:A		{BI 3 A}
connector	OPT3:B		{BI 3 A}
connector	OPT4:A		{BE 2 D}
connector	OPT4:B		{BE 2 D}
connector	OPT5:1		{XA 2 B} {XA 3 B} {XA 4 B} {XA 2 B} {XA 3 B}
connector	OPT5:2		{XA 2 B} {XA 4 B} {XA 4 B} {XA 2 B} {XA 3 B}

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connector	OPT6:A		{JC 2 D}
connector	OPT6:B		{JC 2 D}
connector	OPT7:A		{EB 2 B}
connector	OPT7:B		{EB 2 B}
connector	OPT8:A		{BD 2 D}
connector	OPT8:B		{BD 2 D}
connector	PLBL:A		{GJ 3 D}
connector	PLBL:B		{GJ 3 C}
connector	PLSP0:A		{GJ 1 E} {GJ 1 D}
connector	PLSP0:B		{GJ 1 C} {GJ 1 C}
connector	PS0F:A		{KC 1 C}
connector	PS0F:B		{KC 2 C}
connector	PS0F:C		{KC 2 C}
connector	PS0F:D		{KC 3 C}
connector	PS0F:E		{KC 1 C}
connector	PS0F:F		{KC 1 C}
connector	PS0F:G		{KC 1 C}
connector	PS0F:H		{KC 1 C}
connector	PS0F:J		{KC 0 C}
connector	PS0F2:A		{KC 1 D}
connector	PS0F2:B		{KC 1 D}
connector	PS0F2:C		{KC 1 D}
connector	PS0F2:D		{KC 2 D}
connector	PS0F2:E		{KC 0 D}
connector	PS0F2:F		{KC 0 D}
connector	PS0F2:G		{KC 1 D}
connector	PS0F2:H		{KC 1 D}
connector	PWDR:B		{ID 0 D}
connector	PWDR:D		{ID 0 D}
connector	PWDR:E		{ID 1 D}
connector	PWDR:F		{IA 4 A}
connector	RADLR:A		{BB 3 B} {BB 4 B} {BB 3 B} {BB 3 B}
connector	RADLR:B		{BB 3 B} {BB 4 B} {BB 3 B} {BB 3 B}
connector	RFJRF:A		{GC 0 C}
connector	RFJRF:B		{GC 0 D}
connector	RJMF:1		{BC 3 B} {KA 1 C} {KB 2 C} {KC 2 B}
connector	RJMF:10		{BC 3 C} {KA 2 C} {KB 3 C} {KC 1 B}
connector	RJMF:12		{BC 3 B} {KA 1 B} {KB 2 B} {KC 1 B}
connector	RJMF:13		{BC 3 C} {KA 0 C} {KB 2 C} {KC 1 B}
connector	RJMF:14		{BC 3 C} {KA 1 C} {KB 2 C} {KC 2 B}
connector	RJMF:15		{BC 3 B} {KA 1 B} {KB 2 B} {KC 1 B}
connector	RJMF:16		{BC 3 B} {KA 2 C} {KB 3 C} {KC 3 B}
connector	RJMF:2		{BC 3 B} {KA 1 C} {KB 3 C} {KC 3 B}
connector	RJMF:5		{BC 3 B} {KA 1 C} {KB 3 C} {KC 1 B}
connector	RJMF:6		{BC 3 C} {KA 1 C} {KB 3 C}

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			{KC 1 B}
connector	RJMF:7		{BC 3 C} {KA 1 B} {KB 3 B} {KC 1 B}
connector	RJMF:8		{BC 3 B} {KA 0 B} {KB 2 B} {KC 0 B}
connector	RJMF:9		{BC 3 C} {KA 1 C} {KB 3 C} {KC 0 B}
connector	RJMFA:3		{KB 3 B} {KC 1 A}
connector	RJMFA:4		{KB 2 B} {KC 0 A}
connector	RJMFA:6		{KB 2 B} {KC 1 A}
connector	RJMFA:7		{KB 2 B} {KC 1 A}
connector	RJMFA:8		{KB 3 C} {KC 3 C}
connector	RJMFB:1		{KB 2 C} {KC 2 C}
connector	RJMFB:2		{KB 3 C} {KC 3 C}
connector	RJMFB:3		{KB 3 C} {KC 1 C}
connector	RJMFB:4		{KB 3 C} {KC 1 C}
connector	RJMFB:5		{KB 3 C} {KC 0 C}
connector	RJMFB:6		{KB 3 C} {KC 1 C}
connector	RJMFB:7		{KB 2 C} {KC 1 C}
connector	RJMFB:8		{KB 2 C} {KC 2 C}
connector	RRA07A:3		{BC 3 C}
connector	RRA07A:4		{BC 3 B}
connector	RRA07A:6		{BC 3 B}
connector	RRA07A:7		{BC 3 B}
connector	RRA07A:8		{BC 3 B}
connector	RRA07B:1		{BC 3 B}
connector	RRA07B:2		{BC 3 B}
connector	RRA07B:3		{BC 3 B}
connector	RRA07B:4		{BC 3 C}
connector	RRA07B:5		{BC 3 C}
connector	RRA07B:6		{BC 3 C}
connector	RRA07B:7		{BC 3 C}
connector	RRA07B:8		{BC 3 C}
connector	RSCB:A		{IG 3 C} {IG 3 C}
connector	RSCB:B		{IG 3 D} {IG 3 D}
connector	RS00F:A		{GC 2 C}
connector	RS00F:B		{GC 1 C}
connector	RS00F:C		{GC 2 C}
connector	RS00F:D		{GC 1 C}
connector	RS00F:E		{GC 1 C}
connector	RWBOC:A		{GH 2 B} {GH 2 B} {GH 2 B} {GH 3 B} {GH 3 B}
connector	RWBOC:B		{GH 2 C} {GH 2 C} {GH 3 D} {GH 2 D} {GH 3 D}
connector	RWJBOC:A		{GG 1 B}
connector	RWJBOC:B		{GG 1 D}
connector	RWJRW:A		{KB 1 D}
connector	RWJRW:B		{KB 1 D}
connector	RWJRW:C		{KB 1 D}
connector	RWJRW:D		{KB 1 D}
connector	SLBOC:A		{GH 1 B} {GH 1 B} {GH 0 B}
connector	SLBOC:B		{GH 0 C} {GH 1 C} {GH 1 D}
connector	SLOB:A		{HD 3 C}
connector	SLOB:B		{HD 3 C}
connector	SLOB:C		{HD 1 B}
connector	SLOB:D		{HD 2 B}

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connector	SLOB:F		{HD 2 D}
connector	SLOB:G		{KB 0 B}
connector	SLOB:H		{KB 1 B}
connector	SLOB:J		{KB 0 B}
connector	SLOB:K		{KB 0 B}
connector	SLRH:A		{KC 4 D}
connector	SLRH:B		{KC 4 D}
connector	SLRH:C		{KC 4 D}
connector	SLRH:D		{KC 4 D}
connector	SLRW:A		{HE 4 D} {HH 4 D}
connector	SLRW:B		{GH 2 B}
connector	SLRW:C		{GH 2 D}
connector	SLSK:A		{HE 0 B} {HH 0 B}
connector	SLSK:B		{HE 0 E} {HH 1 E}
connector	SLVA:A		{HE 3 B}
connector	SLVA:B		{HE 3 B}
connector	SLVA:C		{HE 3 C}
connector	SPJTL:A		{FC 1 D}
connector	SPJTL:B		{FD 2 C}
connector	SPJTL:C		{FC 1 C}
connector	SPJTL:E		{FD 3 C}
connector	SPJTL:F		{CH 3 C}
connector	SPJTL:G		{FB 1 D}
connector	SPJTL:H		{FC 1 C}
connector	SPJTL:J		{FB 0 D}
connector	SPJTL:K		{GQ 3 C}
connector	SPJTL:L		{FD 2 D}
connector	SPJTL:M		{FB 2 D}
connector	SPJTL:N		{GQ 3 C}
connector	SPJTL:P		{FB 2 D}
connector	SPJTL:R		{FB 1 D} {CH 2 D} {FC 1 D}
connector	SPJTL:S		{FD 3 D}
connector	SPJTL1:A		{FC 3 D}
connector	SPJTL1:B		{FD 1 C}
connector	SPJTL1:C		{FC 2 C}
connector	SPJTL1:E		{FD 3 C}
connector	SPJTL1:G		{FF 2 C}
connector	SPJTL1:H		{FC 3 C}
connector	SPJTL1:K		{GQ 2 C}
connector	SPJTL1:L		{FD 1 D}
connector	SPJTL1:M		{FF 2 D}
connector	SPJTL1:N		{GQ 2 C}
connector	SPJTL1:R		{FC 2 D}
connector	SPJTL1:S		{FD 3 D}
connector	TCJ:1		{EC 3 D}
connector	TCJ:2		{EC 3 D}
connector	TETL:A		{GK 1 D}
connector	TETL:B		{GF 0 B}
connector	TETL:C		{GF 0 B}
connector	TETL:D		{GF 0 B}
connector	TETL:E		{GF 1 B}
connector	TRFC:A		{CB 3 B}
connector	TRFC:B		{CB 3 B}
connector	TRFC:C		{CB 3 B}
connector	TRFC:D		{CB 3 B}

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connector	TRFC:F		{CB 1 C}
connector	TRFC:G		{CB 1 C}
connector	TRFC:H		{CB 2 C}
connector	TRFC:J		{CB 2 C}
connector	TRFC:K		{CB 2 C}
connector	VLBB1:A		{BF 1 D}
connector	VLBB1:B		{BF 1 D}
connector	VLBB1:C		{BF 1 D}
connector	VLBB1:D		{BF 1 D}
connector	VLBB1:E		{BF 2 D}
connector	VLBB1:F		{BF 2 D}
connector	VLBB1:G		{BF 2 D}
connector	VLBB1:H		{BF 2 D}
connector	VLBB2:1		{BF 2 D}
connector	VLBB2:2		{BF 2 D}
connector	VLBB2:3		{BF 2 D}
connector	VLBB2:4		{BF 2 D}
connector	VLBB2:5		{BF 2 D}
connector	VLBB2:6		{BF 2 D}
connector	VLQC:A		{BE 2 B}
connector	VLQC:C		{BE 1 B}
splice	SP19HB11	*opt*	{JB 3 B}
splice	SP19HP12	*opt*	{CB 3 B}
splice	SP19LB11	*opt*	{JB 3 B}
splice	SP19LP12	*opt*	{CB 3 B}
splice	SP38A1	*opt*	{DB 3 C}
splice	SP47A1	*opt*	{HB 2 B}
splice	SP48B1_1	*opt*	{GJ 3 C}
splice	SPAD10A1	*opt*	{ED 1 C}
splice	SPAD11A1	*opt*	{ED 1 C}
splice	SPAD1A1	*opt*	{ED 2 C}
splice	SPAD4A1	*opt*	{ED 2 B}
splice	SPAD7A1	*opt*	{ED 1 C}
splice	SPAD8A1	*opt*	{ED 1 C}
splice	SPC03C1	*opt*	{IC 2 D} {ID 2 D}
splice	SPC15JA3	*opt*	{AD 1 B}
splice	SPC15JA5	*opt*	{AD 1 C}
splice	SPCA1A1	*opt*	{AF 1 C}
splice	SPCA2A1	*opt*	{AF 1 C}
splice	SPCA3A2	*opt*	{AF 1 B}
splice	SPCB10A1	*opt*	{AG 4 B}
splice	SPCB11A1	*opt*	{AF 3 C}
splice	SPCB11B5	*opt*	{FF 2 E}
splice	SPCB19A1	*opt*	{AG 3 B}
splice	SPCB22B1	*opt*	{AG 4 B}
splice	SPCB5A1	*opt*	{AF 2 C}
splice	SPCC12A1	*opt*	{JC 1 C}
splice	SPDC14A1	*opt*	{JC 1 C}
splice	SPEA21A1	*opt*	{CC 0 D}
splice	SPEA32A1	*opt*	{CC 0 D}
splice	SPEA33A2	*opt*	{CC 2 D}
splice	SPF02A1	*opt*	{KC 0 B}
splice	SPF02A2	*opt*	{KC 0 C}
splice	SPF03A1	*opt*	{IC 1 B}
splice	SPF04A1	*opt*	{ID 1 C}

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splice	SPF06A1	*opt*	{DA 0 A}
splice	SPF14B1	*opt*	{EB 3 C}
splice	SPF15MA1	*opt*	{DB 2 A}
splice	SPF15P1	*opt*	{AG 0 B}
splice	SPF17B1	*opt*	{HG 2 C}
splice	SPF20A1	*opt*	{BA 0 B} {KA 1 B} {KB 2 B} {KC 1 A}
splice	SPF22A1	*opt*	{CE 2 C}
splice	SPF22A1A	*opt*	{CE 1 C}
splice	SPF25A1	*opt*	{IB 2 C}
splice	SPF26A1	*opt*	{GP 0 C}
splice	SPF26E1	*opt*	{GP 1 C}
splice	SPF30B1	*opt*	{GI 1 C}
splice	SPF31B1	*opt*	{FF 2 C}
splice	SPF33A1	*opt*	{FA 0 B}
splice	SPF33A3	*opt*	{FA 1 C}
splice	SPF33A6	*opt*	{FA 3 C}
splice	SPF38A1	*opt*	{DF 1 C}
splice	SPF40A1	*opt*	{DP 2 B}
splice	SPF40C1	*opt*	{DP 1 C}
splice	SPF40C2	*opt*	{DP 3 B}
splice	SPF40E1	*opt*	{DP 1 C}
splice	SPF48B1	*opt*	{GJ 1 C}
splice	SPF50A1	*opt*	{HE 0 C} {HH 0 C}
splice	SPF50B1	*opt*	{HG 0 C}
splice	SPF50B2	*opt*	{HG 1 C}
splice	SPF50B3	*opt*	{HG 1 C}
splice	SPF50B4	*opt*	{HG 1 C}
splice	SPF50C1	*opt*	{HH 1 B}
splice	SPF51A1	*opt*	{HA 0 B}
splice	SPF52A1	*opt*	{AA 0 B}
splice	SPF52A3	*opt*	{BG 1 B}
splice	SPF55B2	*opt*	{GC 0 C}
splice	SPF56A1	*opt*	{FG 1 C}
splice	SPF58A1	*opt*	{GA 1 B}
splice	SPF59A1	*opt*	{BF 1 C}
splice	SPF62C1	*opt*	{GK 1 D}
splice	SPF62F1	*opt*	{BH 1 B} {GK 2 C}
splice	SPF63A1	*opt*	{FC 1 B}
splice	SPF63G1	*opt*	{FB 1 B}
splice	SPF67A1	*opt*	{JB 2 A} {JC 2 B} {JE 1 B}
splice	SPF67A2	*opt*	{JB 2 B} {JE 1 C}
splice	SPF67A3	*opt*	{JE 1 C}
splice	SPF68A1	*opt*	{DA 0 C}
splice	SPF69A1	*opt*	{DA 2 C}
splice	SPF71A1	*opt*	{AE 0 B}
splice	SPF75A	*opt*	{CB 2 B}
splice	SPF77A1	*opt*	{IG 0 C}
splice	SPF78A1	*opt*	{IA 1 B}
splice	SPF78A4	*opt*	{IA 0 D}
splice	SPF78B1	*opt*	{IA 1 C}
splice	SPF79A1	*opt*	{IG 3 B}
splice	SPF81A2	*opt*	{NA 0 B}
splice	SPF81A5	*opt*	{NA 1 B}
splice	SPF81A8	*opt*	{NA 2 B}
splice	SPF81D1	*opt*	{IH 0 A}

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splice	SPF81D3	*opt*	{IH 4 D}
splice	SPF81E11	*opt*	{IH 1 D} {IH 1 B}
splice	SPF81E12	*opt*	{IH 1 D} {IH 1 B}
splice	SPF81E14	*opt*	{IH 1 D} {IH 1 B}
splice	SPF81E16	*opt*	{IH 2 B}
splice	SPF81E18	*opt*	{IH 2 B}
splice	SPF81E2	*opt*	{IH 0 D} {IH 0 B}
splice	SPF81E20	*opt*	{IH 2 B}
splice	SPF81E22	*opt*	{IH 2 B}
splice	SPF92A1	*opt*	{HF 2 C}
splice	SPFB01A1	*opt*	{CC 3 C}
splice	SPFB01C1	*opt*	{HD 3 D}
splice	SPFB01C1_1	*opt*	{HH 3 B}
splice	SPFB01C2	*opt*	{HE 3 B}
splice	SPFB07B1	*opt*	{HD 2 C}
splice	SPFB07C1	*opt*	{HD 3 B}
splice	SPFM01	*opt*	{AB 3 A}
splice	SPFM01C1	*opt*	{AB 3 B}
splice	SPFM01C2	*opt*	{AB 3 B}
splice	SPFM01C5	*opt*	{AA 1 B}
splice	SPFM01C6	*opt*	{AA 1 B}
splice	SPFM01C7	*opt*	{AA 3 B}
splice	SPFM01E1	*opt*	{AA 2 D}
splice	SPFM01H1	*opt*	{AB 1 D}
splice	SPFT03	*opt*	{DB 3 C}
splice	SPFT03A1	*opt*	{DG 1 D}
splice	SPFT04A1	*opt*	{DF 0 C}
splice	SPGBGA1	*opt*	{HB 2 C}
splice	SPHA12A1	*opt*	{BA 2 E}
splice	SPHA12A12	*opt*	{BB 2 C}
splice	SPHA12A15	*opt*	{BB 3 C}
splice	SPHA12A9	*opt*	{BA 2 E}
splice	SPHC11A1	*opt*	{BB 2 C}
splice	SPJ1587HB4	*opt*	{BI 3 B}
splice	SPJ1587LB4	*opt*	{BI 3 B}
splice	SPJ15HN1	*opt*	{XA 0 B}
splice	SPJ15HN3	*opt*	{DA 1 B}
splice	SPJ15HN4	*opt*	{BE 2 D} {BF 3 C} {BC 1 D} {EB 2 C} {BD 2 D} {BG 2 C}
splice	SPJ15HN5	*opt*	{JC 2 C}
splice	SPJ15LN1	*opt*	{XA 1 B}
splice	SPJ15LN3	*opt*	{DA 1 B}
splice	SPJ15LN4	*opt*	{BE 2 D} {BF 3 B} {BC 1 D} {EB 2 C} {BD 2 D} {BG 2 C}
splice	SPJ15LN5	*opt*	{JC 2 C}
splice	SPJ1939HN11	*opt*	{BI 2 B}
splice	SPJ1939LN11	*opt*	{BI 2 B}
splice	SPJ19HB10	*opt*	{XA 2 E}
splice	SPJ19HB11	*opt*	{BC 2 D} {EB 0 A}
splice	SPJ19HB12	*opt*	{XA 2 B}
splice	SPJ19HB14	*opt*	{XA 2 B}
splice	SPJ19HB15	*opt*	{XA 3 D}
splice	SPJ19HB2	*opt*	{XA 3 D}
splice	SPJ19HF1	*opt*	{CC 0 B}
splice	SPJ19HN1	*opt*	{XA 3 B}

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splice	SPJ19HN2	*opt*	{XA 3 B}
splice	SPJ19HN3	*opt*	{XA 3 C}
splice	SPJ19HN4	*opt*	{XA 3 C}
splice	SPJ19HN5	*opt*	{XA 3 C}
splice	SPJ19HN6_1	*opt*	{XA 3 C}
splice	SPJ19HP1	*opt*	{XA 2 D}
splice	SPJ19LB10	*opt*	{XA 2 D}
splice	SPJ19LB11	*opt*	{BC 2 D} {EB 0 A}
splice	SPJ19LB12	*opt*	{XA 4 B}
splice	SPJ19LB14	*opt*	{XA 4 B}
splice	SPJ19LB15	*opt*	{XA 4 D}
splice	SPJ19LB2	*opt*	{XA 4 D}
splice	SPJ19LF1	*opt*	{CC 0 B}
splice	SPJ19LL3	*opt*	{KA 1 B} {KB 3 B} {KC 2 B}
splice	SPJ19LN1	*opt*	{XA 3 B}
splice	SPJ19LN11	*opt*	{JC 3 D}
splice	SPJ19LN2	*opt*	{XA 3 B}
splice	SPJ19LN3	*opt*	{XA 3 C}
splice	SPJ19LN4	*opt*	{XA 3 C}
splice	SPJ19LN5	*opt*	{XA 3 C}
splice	SPJ19LN6_1	*opt*	{XA 3 C}
splice	SPJ19LP1	*opt*	{XA 2 D}
splice	SPLB1A1	*opt*	{KC 2 C}
splice	SPLB2A1	*opt*	{KC 3 C}
splice	SPLB3A1	*opt*	{KB 2 D}
splice	SPLB4A1	*opt*	{KB 2 D}
splice	SPLB5A1	*opt*	{KB 3 D}
splice	SPLB6A1	*opt*	{KB 4 D}
splice	SPLB7A1	*opt*	{KC 1 C}
splice	SPLB8A1	*opt*	{KC 2 C}
splice	SPLC1A1	*opt*	{BE 2 C}
splice	splice361_228	*opt*	{PWR_DISTR 0 A}
splice	splice362_228	*opt*	{PWR_DISTR 2 B}
splice	splice363_228	*opt*	{PWR_DISTR 2 C}
splice	splice364_228	*opt*	{PWR_DISTR 1 C}
splice	SPMA18A1	*opt*	{BI 0 C}
splice	SPMB5A1	*opt*	{BI 0 B}
splice	SPMF01A2	*opt*	{MA 1 B}
splice	SPMF02D1	*opt*	{AE 2 C}
splice	SPN103A1	*opt*	{DF 2 D}
splice	SPN112A1	*opt*	{DE 3 C}
splice	SPN117A1	*opt*	{DF 3 D}
splice	SPN131A1	*opt*	{DE 1 D}
splice	SPN158A1	*opt*	{DE 2 C}
splice	SPN25A1	*opt*	{DG 2 B}
splice	SPN58A2	*opt*	{DE 2 D}
splice	SPPA10A1	*opt*	{GA 2 D}
splice	SPPA10A2	*opt*	{GD 3 B} {GD 3 C}
splice	SPPA10A3	*opt*	{GF 0 B}
splice	SPPA10A5	*opt*	{GF 3 D}
splice	SPPA10A6	*opt*	{GF 0 C}
splice	SPPA13A1	*opt*	{GF 2 D}
splice	SPPA17A1	*opt*	{GC 2 C}
splice	SPPA17A7	*opt*	{GC 3 C}
splice	SPPA4A11	*opt*	{GD 2 D}

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splice	SPPA4B1	*opt*	{MA 3 C}
splice	SPPA7A1	*opt*	{GE 1 C}
splice	SPPA7A2	*opt*	{GE 3 C}
splice	SPPC11A1	*opt*	{GP 0 D}
splice	SPPD10A1	*opt*	{GF 0 B}
splice	SPPD13A1	*opt*	{GF 1 B}
splice	SPPD16B1	*opt*	{MA 2 C}
splice	SPPD17A1	*opt*	{IE 1 B} {IE 1 B}
splice	SPPD18A1	*opt*	{GI 0 C}
splice	SPPD1A1	*opt*	{GE 1 C}
splice	SPPD1A2	*opt*	{GE 2 C}
splice	SPPD4A1	*opt*	{GA 2 D}
splice	SPPD4A3	*opt*	{GD 1 B}
splice	SPPD4A6	*opt*	{GD 2 D} {GD 2 C} {GD 1 D} {GD 1 B}
splice	SPPD4A9	*opt*	{BC 3 D}
splice	SPPD7A1	*opt*	{GG 3 C} {GH 1 B} {GH 3 B}
splice	SPPD8A1	*opt*	{GB 0 B}
splice	SPPD8C1	*opt*	{DP 3 B}
splice	SPPD8F1	*opt*	{ID 2 B}
splice	SPPX01DA31	*opt*	{GD 2 E}
splice	SPPX0DA30	*opt*	{GD 2 D}
splice	SPRA30A1	*opt*	{EB 1 C}
splice	SPRA7A1	*opt*	{EB 1 D}
splice	SPX01A20	*opt*	{FC 3 E}
splice	SPX01A3	*opt*	{AE 1 C}
splice	SPX01C1	*opt*	{DB 4 C}
splice	SPX01DA1	*opt*	{AC 1 D} {GF 1 A} {FA 0 E} {JB 2 C} {CE 1 D} {CE 2 D} {GD 1 D} {GE 3 D} {FC 3 E} {EB 0 E} {EC 3 E} {FG 1 E} {JE 0 D}
splice	SPX01DA12	*opt*	{FA 0 D} {FA 3 C}
splice	SPX01DA14	*opt*	{FA 1 C}
splice	SPX01DA25	*opt*	{GD 0 E} {GD 0 C}
splice	SPX01DA26	*opt*	{GD 1 C}
splice	SPX01DA31	*opt*	{GE 1 C}
splice	SPX01DA32	*opt*	{GE 3 C}
splice	SPX01DA4	*opt*	{AC 1 D} {FD 3 E} {FD 1 E} {FB 0 E} {FB 2 E} {CH 2 D} {FC 1 E}
splice	SPX01DA5	*opt*	{GF 1 C}
splice	SPX01DA6	*opt*	{GF 1 C}
splice	SPX01DA7	*opt*	{GF 2 E}
splice	SPX01E1	*opt*	{DG 1 D}
splice	SPX01F1	*opt*	{AD 1 C}
splice	SPX02CA1	*opt*	{HA 0 E} {AC 1 C} {CC 3 D}
splice	SPX02CA4	*opt*	{DP 2 D}
splice	SPX03BA1	*opt*	{DF 0 C}
splice	SPX03CA1	*opt*	{AC 2 D} {GP 2 E} {GQ 0 E}
splice	SPX03D100	*opt*	{GC 0 D}
splice	SPX03D13	*opt*	{ID 3 D}
splice	SPX03DA1	*opt*	{AF 3 E} {BA 0 E} {AC 2 C} {XA 1 E}
splice	SPX03DA11	*opt*	{BE 2 C}
splice	SPX03DA14	*opt*	{IF 1 E} {IC 2 E} {ID 3 E}

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splice	SPX03DA3	*opt*	{GA 0 D} {AC 2 C} {JD 3 E} {GG 1 E} {GB 2 E}
splice	SPX03EA1	*opt*	{AC 3 D} {AH 0 D} {NA 0 E} {BH 0 D} {IG 3 E} {BI 0 E}
splice	SPX03EA19	*opt*	{BI 1 B}
splice	SPX03EA5	*opt*	{EA 4 C} {EC 4 C}
splice	SPX03EK1	*opt*	{AF 3 C}
splice	SPX03FA1	*opt*	{AF 0 D} {HA 1 E} {AC 3 C} {GG 1 E} {GH 0 E} {ID 2 E} {IE 1 E}
splice	SPX03FA106	*opt*	{HE 0 D} {HH 1 D}
splice	SPX03FA12	*opt*	{NA 4 C}
splice	SPX03FA20	*opt*	{HA 1 C}
splice	SPX03FA22	*opt*	{HD 0 E} {HB 2 E} {HB 0 E} {AC 4 C} {HE 2 E} {HF 2 E} {HG 3 E} {HH 2 E}
splice	SPX03FA24	*opt*	{GA 1 E} {AC 3 A} {IG 0 E} {IE 1 E}
splice	SPX03FA25	*opt*	{IA 4 E} {IA 3 B} {IA 3 E}
splice	SPX03FA27	*opt*	{GC 2 D}
splice	SPX03FA28	*opt*	{IF 2 E} {IC 3 E}
splice	SPX03FA3	*opt*	{IA 3 D}
splice	SPX03FA3_1	*opt*	{IA 3 B}
splice	SPX03FA33	*opt*	{GJ 1 D}
splice	SPX03FA33_1	*opt*	{GJ 3 D}
splice	SPX03FA37	*opt*	{GG 3 D} {GH 1 C} {GH 3 C}
splice	SPX03FA39	*opt*	{GH 0 D}
splice	SPX03FA39_1	*opt*	{GH 2 D}
splice	SPX03FA4	*opt*	{AA 4 E} {AC 3 C} {MA 2 D} {GB 3 E} {AB 0 E}
splice	SPX03FA43	*opt*	{IE 1 D} {IE 1 D}
splice	SPX03FA46	*opt*	{ID 0 C}
splice	SPX03FA52	*opt*	{HB 2 D} {HG 1 D}
splice	SPX03FA55	*opt*	{HD 0 D} {HE 1 C} {HH 1 D}
splice	SPX03FA56	*opt*	{HD 2 D}
splice	SPX03FA57	*opt*	{HF 2 D}
splice	SPX03FA60	*opt*	{HE 2 C}
splice	SPX03FA61	*opt*	{HH 2 C}
splice	SPX03FA62	*opt*	{HE 3 C}
splice	SPX03FA7	*opt*	{EB 3 C}
splice	SPX03FA73	*opt*	{HD 3 D}
splice	SPX03FA84	*opt*	{NA 0 C}
splice	SPX03FA86	*opt*	{NA 1 C}
splice	SPX03FA87	*opt*	{DF 3 A}
splice	SPX03FA88	*opt*	{GC 3 D}
splice	SPX03FA9	*opt*	{GI 0 D}
splice	SPX03FA90	*opt*	{NA 2 C}
splice	SPX03FD1	*opt*	{DP 3 C}
splice	SPX03FG1	*opt*	{IA 4 D}
splice	SPX03FH1	*opt*	{HD 2 D}
splice	SPX03GA1	*opt*	{DA 4 C}
splice	SPX03GA4	*opt*	{DA 0 D}
splice	SPX04BA1	*opt*	{EB 2 B}
splice	SPX04CA1	*opt*	{GI 1 E}
splice	SPX04EA1		{IH 0 C}
splice	SPX04EA2	*opt*	{IH 2 E}

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splice	SPX04EA3	*opt*	{IH 4 E}
splice	SPX04EB11	*opt*	{IH 1 E} {IH 1 C}
splice	SPX04EB12	*opt*	{IH 1 E} {IH 1 C}
splice	SPX04EB14	*opt*	{IH 1 E} {IH 1 C}
splice	SPX04EB16	*opt*	{IH 2 C}
splice	SPX04EB18	*opt*	{IH 2 C}
splice	SPX04EB2	*opt*	{IH 0 E} {IH 0 C}
splice	SPX04EB20	*opt*	{IH 2 C}
splice	SPX04EB22	*opt*	{IH 2 C}
splice	SPX06DA1	*opt*	{BG 2 D}
splice	SPX0DA28	*opt*	{GD 3 D}
terminal	CB-	*opt*	{IG 3 C} {IG 3 D}
terminal	CB+	*opt*	{IG 3 C} {IG 3 C}
terminal	earth15_10	*opt*	{GC 3 C}
terminal	earth15_27	*opt*	{BC 0 D}
terminal	earth15_92	*opt*	{DP 0 E}
terminal	earth16_27	*opt*	{FF 0 D}
terminal	earth24_1510	*opt*	{NA 4 D}
terminal	FM01A	*opt*	{AB 3 A}
terminal	FM01B	*opt*	{AB 4 A}
terminal	FM01C	*opt*	{AB 3 A}
terminal	FM01F	*opt*	{DF 0 B}
terminal	FM02C	*opt*	{AC 0 D} {AC 0 D}
terminal	FM02E	*opt*	{AC 0 C}
terminal	G01_N	*opt*	{AC 0 D}
terminal	G01_P	*opt*	{AD 3 C}
terminal	G01A	BATTERY RING	{DG 0 B}
terminal	G01B	BATTERY RING	{DG 0 B}
terminal	G01D	Battery 4	{AC 0 D} {AC 0 D}
terminal	G01E	*opt*	{AB 4 B}
terminal	G01M	*opt*	{DB 3 B}
terminal	G01N	*opt*	{DB 4 B}
terminal	G01P	*opt*	{HC 1 B}
terminal	G01Q	*opt*	{DB 3 B}
terminal	G01R	*opt*	{DB 4 B}
terminal	G03A	*opt*	{HC 0 B}
terminal	G03B	*opt*	{HC 0 B}
terminal	L5	*opt*	{HC 1 B}
terminal	M04N	*opt*	{AC 0 C}
terminal	M04P	*opt*	{AD 3 B}
terminal	MCFC:69	*opt*	{FF 1 C}
terminal	MCFC:94	*opt*	{FF 1 C}
terminal	SK141A:A	SPLICE PACK	{NA 1 A}
terminal	SK141A:B	SPLICE PACK	{NA 1 A}
terminal	SK141A:C	SPLICE PACK	{NA 3 A} {ID 1 A}
terminal	SK141A:D	SPLICE PACK	{NA 4 A}
terminal	SK141A:L	SPLICE PACK	{FF 0 A} {ID 2 A}
terminal	SK141A:M	SPLICE PACK	{EB 4 A}
terminal	SK141B:K	SPLICE PACK	{BI 2 A}
terminal	SKX03D:M	SPLICE PACK GROUND	{BD 1 D}
terminal	U01B	STUD POWER CHASSIS SIDE	{AB 3 A}
terminal	U01C	STUD POWER CAB SIDE	{AB 3 B}
terminal	U01D	STUD POWER CAB SIDE	{AA 1 A}
terminal	X01	STUD FRAME RAIL	{AC 0 E} {PWR_DISTR 0 C}
terminal	X01A	STUD FRAMERAIL	{AC 0 D}
terminal	X01D	STUD FRAIMRAIL	{AC 1 D}

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terminal	X01E	STUD FRAMERAIL	{MA 2 E}
terminal	X02B	STUD ENGINE BLOCK	{AC 1 D}
terminal	X02C	STUD ENGINE BLOCK	{AC 1 D}
terminal	X02D	STUD ENGINE BLOCK	{DP 0 E}
terminal	X03A	STUD CAB	{AC 2 D}
terminal	X03B	STUD CAB CHASSIS SIDE	{DF 0 B}
terminal	X03C	STUD CAB	{AC 2 D}
terminal	X03D	STUD GROUND CAB INSIDE	{AC 2 D}
terminal	X03E	STUD CAB INSIDE	{EA 4 D} {EC 4 D}
terminal	X03G	STUD CAB CHASSIS SIDE	{DA 4 A}
terminal	X03H	*opt*	{AE 1 D}
terminal	X04	STUD BULKHEAD	{AC 1 E} {PWR_DISTR 0 B}
terminal	X04A	STUD BULKHEAD	{AC 1 D}
terminal	X04C	STUD BULKHEAD	{GI 1 E}
terminal	X04D	STUD BULKHEAD	{CA 1 D}
terminal	X04E	STUD BULKHEAD	{IH 0 C}
terminal	X06A	STUD BULKHEAD INTERIOR	{JA 2 D}
terminal	X06B	STUD BULKHEAD INTERIOR	{KA 3 D} {KB 4 E} {KC 3 D}
terminal	X06C	STUD BULKHEAD INTERIOR	{BF 1 D}
terminal	X06D	STUD BULKHEAD INTERIOR	{BG 2 D}
terminal	X06E	STUD BULKHEAD INTERIOR	{BE 1 D}
terminal	X07	STUD 120V INVERTER	{HC 0 C}

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