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| Engineering Release Notice (ERN) | Location | Change Description | A = Added<br>D = Deleted | W = Was | Document Release Status<br><b>RELEASED</b> |
|                                  |          | See DCN            |                          |         | Date<br>Modification Count                 |

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**RELEASED**  
Volvo Bus Corporation

Document title  
**WIRING DIAGRAM  
BODY 9700  
USCAN**

Document type  
**PRODUCT SCHEMATIC**

Owner domain:Document prefix

Document No  
**23458767**

Issue  
**02**

Volume No  
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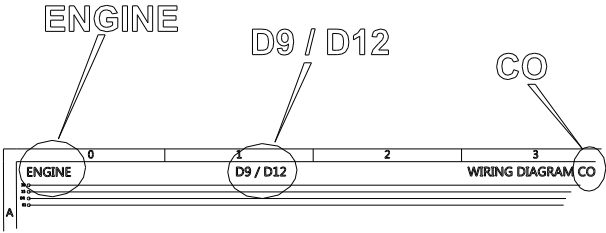
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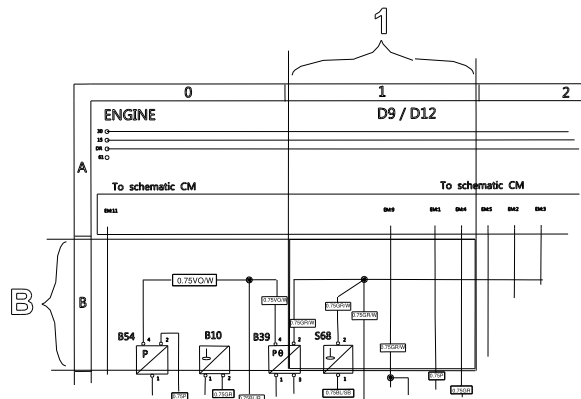
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| Document type<br>PRODUCT SCHEMATIC |             |                     |                  |
| Document No<br>23458767            | Issue<br>02 | Volume No<br>01(03) | Page No<br>3(10) |

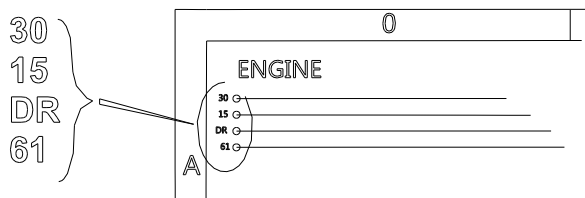
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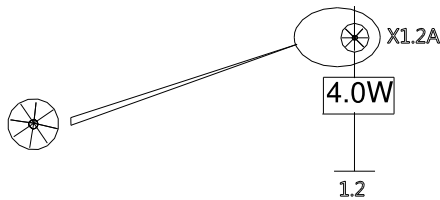
Component wiring diagram title, variant/subtitle and sheet number.



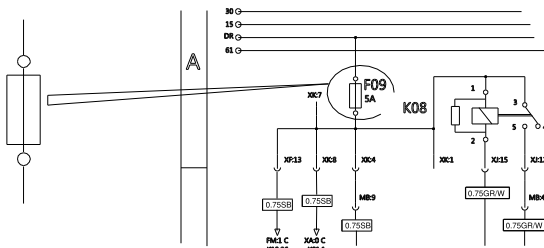
Coordinates (B 1).



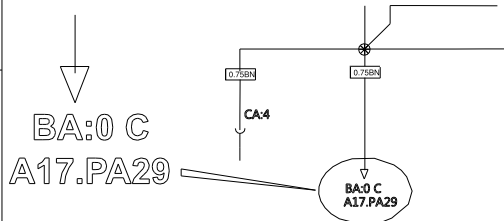
B+ Voltage battery with switch in ON position.  
30 Voltage battery with main switch on, kl.30.  
15 Voltage with starter key in drive position, kl.15.  
DR Voltage with starter key in drive position, preheat position and start position, kl.DR.



Splice.



Fuse.



Reference arrow, for Diagram BA, coordinates 0 C, component A17, connector PA pin 29.

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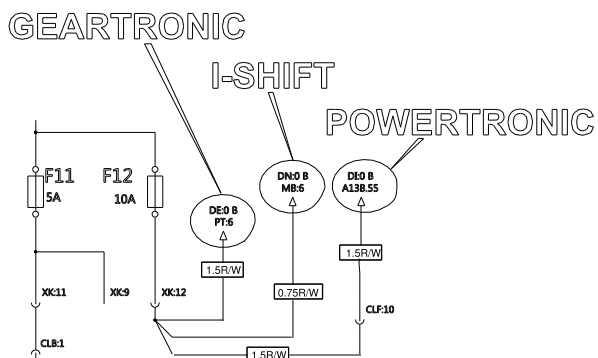
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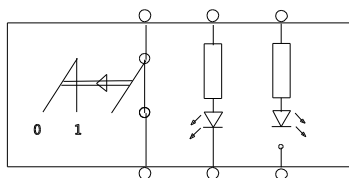
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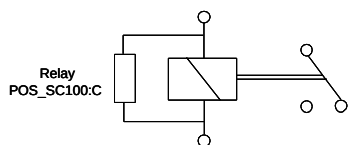
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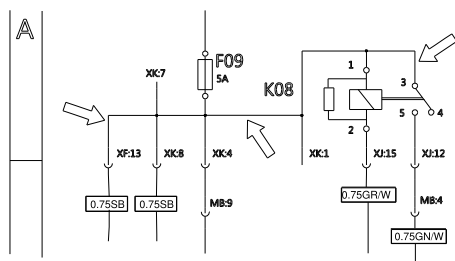
The maximum of variants are drawn, think about that all wires and components are not standard for all markets or vehicle models.



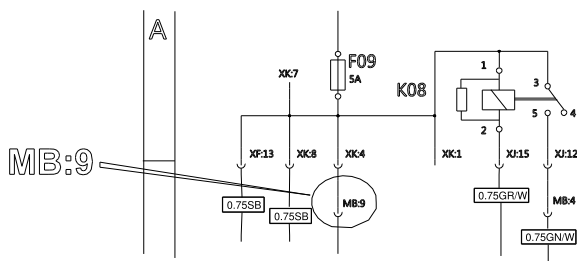
Switch.



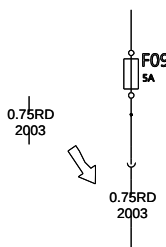
Relay with position.



Conductor on circuit card.



Connector MB terminal 9.



Wire area, colour and equipotential.

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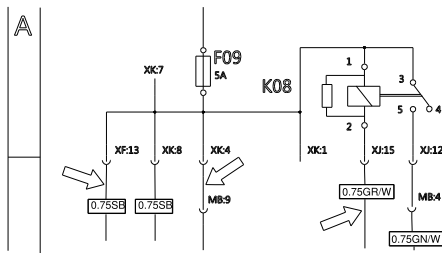
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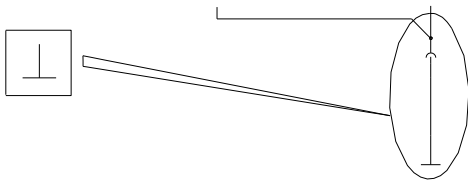
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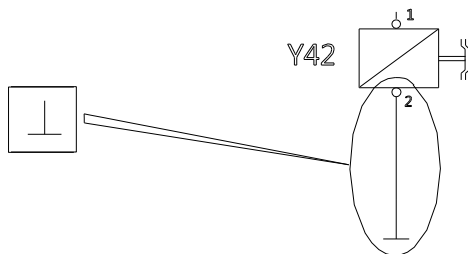
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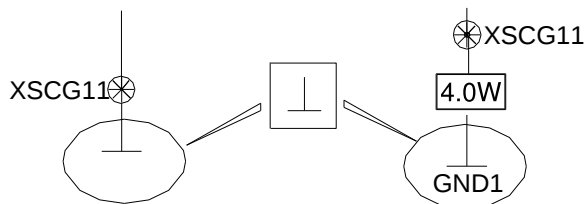
Thin lines, wires.



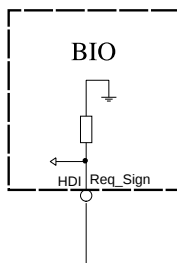
Earth connection to circuit card.



Earth connection without wire.



Same splice can be drawn on several diagrams. The wire from the splice to the earth connection point will only be drawn and coded on one diagram. On the other diagrams will only the earth connection point be written besides the splice.



An ECU symbol with a dashed box describes that the ECU exists in several different sheets.

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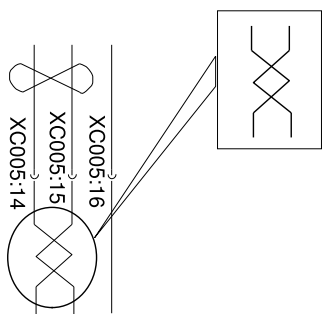
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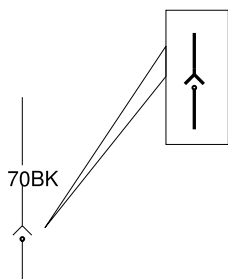
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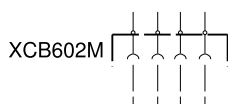
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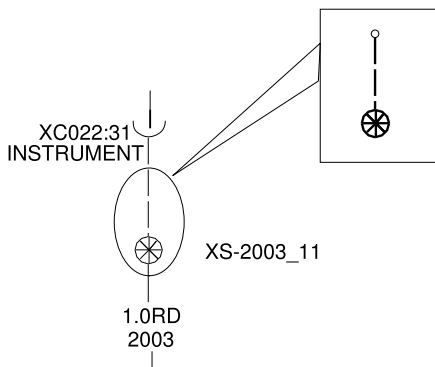
Twisted wires.



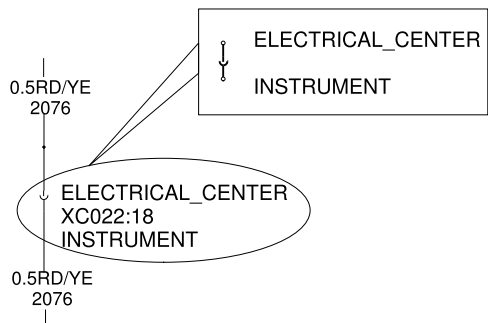
inline connector symbol for power cable ring terminal.



Interface symbol.



Splice with dotted line indicates that wire already exists in some other sheet and splice is shared.



The text on either side of the inline incates that wire belongs to stated harness.

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# ABBREVIATION LIST

| ABBREVIATION | DESCRIPTION                                |
|--------------|--------------------------------------------|
| +15          | VOLTAGE WITH STARTER KEY IN DRIVE POSITION |
| +30          | VOLTAGE BATTERY WITH MAIN SWITCH ON        |
| +30C         | VOLTAGE BATTERY WITH MAIN SWITCH ON        |
| AC           | AIR CONDITION                              |
| Acp          | ACCELERATOR PEDAL                          |
| AI           | ANALOG INPUT                               |
| AIC          | ADVANCED INFORMATION CENTER                |
| Amb          | AMBIENT                                    |
| An.IN        | ANALOGUE INPUT                             |
| AO           | ANALOG OUTPUT                              |
| APBE         | AUTOMATIC PARKING BRAKE EVACUATION         |
| ARC          | AIR REGENERATION CONTROL                   |
| ARMS         | AUTOMATIC RESET MAIN SWITCH                |
| B+           | VOLTAGE BATTERY WITH SWITCH IN ON POSITION |
| BB           | BODY BUILDER                               |
| BBM          | BODY BUILDER MODULE                        |
| BHSA         | BRAKE HILL START AID                       |
| Bpole        | BATTERY POSITIVE BEFORE MAIN SWITCH        |
| Brk          | BRAKE                                      |
| Buf          | BUFFERED                                   |
| C            | CLOSING                                    |
| CampL        | CAMPIGN LIGHTS                             |
| Cent         | CENTERING                                  |
| CICU         | Charging                                   |
| Ctrl         | CONTROL                                    |
| Cyl          | CYLINDER                                   |
| Dash         | DASHBOARD                                  |
| Deliv        | DELIVERY                                   |
| DI           | DIGITAL INPUT                              |
| Diag         | DIAGNOSTIC                                 |
| Dig.OUT      | DIGITAL OUTPUT                             |
| Dir          | DIRECTION                                  |
| Dis          | DISABLE                                    |
| DO           | DIGITAL OUTPUT                             |
| DRL_RMC      | DAYTIME RUNNING LIGTH/REDUCED MODE CONTROL |
| EACC         | ELECTRIC AIR COMPRESSOR CONTROL            |
| EBS          | ELECTRONIC BRAKE SYSTEM                    |
| ECB          | VBC ENGINE COMPRESSOR BRAKE                |
| ECU          | ELECTRONIC CONTROL UNIT                    |
| ECU_GND      | EXTERNAL GROUND                            |
| EGR          | EXHAUST REDIRECTION VALVE                  |
| ELC          | ELECTRICAL CENTER                          |
| EMT          | EXHAUST MANIFOLD TEMPERATURE               |
| Eng          | ENGINE                                     |
| EPG          | EXHAUST PRESSURE GOVERNOR                  |
| ES           | ENGINE SYNCRONIZATION                      |
| ESS          | ENERGY STORAGE SYSTEM                      |
| ETCC         | EXHAUST TEMPERATURE CATALYTIC CONVERTER    |
| Ext          | EXTERNAL                                   |
| FRC          | FRONT RELAY CENTER                         |
| GECU         | GEAR SELECTOR ELECTRONIC CONTROL UNIT      |
| GND          | SIGNAL GROUND                              |
| H            | HIGH                                       |
| Haz          | HAZARD                                     |

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| ABBREVIATION | DESCRIPTION                                |
|--------------|--------------------------------------------|
| HDI          | HIGH_DIGITAL_INPUT                         |
| HDO          | HIGH_DIGITAL_OUTPUT                        |
| HLa          | HEADLAMPS                                  |
| HPCU         | HYBRID_POWER_TRAIN_CONTROL_UNIT            |
| HS           | HIGH_SIDE                                  |
| HSA          | HILL_START_AID                             |
| HSD          | HIGH_SIDE_DRIVER                           |
| HVAC         | HEATING_VENTILATION_AIR_CONDITION_SYSTEM   |
| Hyd          | HYDRAULIC                                  |
| IJ           | INLET_JET                                  |
| Ind          | INDICATOR                                  |
| Inj          | INJECTION                                  |
| JK           | JACK_KNIFE                                 |
| KL           | KEY_LINE                                   |
| L            | LOW                                        |
| LCM          | LIGHT_CONTROL_MODULE                       |
| LCP          | LIGHT_CONTROL_PANEL                        |
| LDI          | LOW_DIGITAL_INPUT                          |
| LDO          | LOW_DIGITAL_OUTPUT                         |
| LS           | LOW_SIDE                                   |
| Nd           | NEEDLE                                     |
| O            | OUTPUT                                     |
| OBD          | ON_BOARD_DIAGNOSTIC                        |
| OLS          | OIL_LEVEL_SENSOR                           |
| OP           | OPENING                                    |
| OV           | OVERFLOW                                   |
| PCM          | POWER_TRAIN_CONTROL_MODULE                 |
| PCS          | PRESSURE_CONTROL_SOLENOID                  |
| PCV          | PRESSURE_CONTROL_VALVE                     |
| Plo          | PLOUGH                                     |
| Pos          | POSITION                                   |
| PR           | PRESSURE_REGULATOR                         |
| Pres         | PRESSURE                                   |
| PS           | PRESSURE                                   |
| PWM          | PULSE_WIDTH_MODULATION                     |
| Rad          | RADIATOR                                   |
| RAI          | RESISTANCE_ANALOGUE_INPUT                  |
| Red          | REDUCTOR                                   |
| Rel          | RELAY                                      |
| Req          | REQUEST                                    |
| RES          | INPUT_FOR_SENSORS_WITH_VARIABLE_RESISTANCE |
| Ret          | RETARDER                                   |
| RX           | SIGNAL_RECEIVER                            |
| Sen          | SENSOR                                     |
| Sign         | SIGNAL                                     |
| Sno          | SNOW                                       |
| Sp           | SPEED                                      |
| SS           | SENSOR_SUPPLY                              |
| St           | START                                      |
| Stp          | STOP                                       |
| SV           | SUPPLY_VOLTAGE                             |
| Sw           | SWITCH                                     |
| TCC          | TORQUE_CONVERTER_CLUTCH                    |
| Temp         | TEMPERATURE                                |

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| ABBREVIATION | DESCRIPTION                |
|--------------|----------------------------|
| Tor          | TORQUE                     |
| TX           | SIGNAL_TRANSMITTER         |
| UBat         | FEED_DIRECTLY_FROM_BATTERY |
| VEB          | VOLVO_ENGINE_BRAKE         |
| Veh          | VEHICLE                    |

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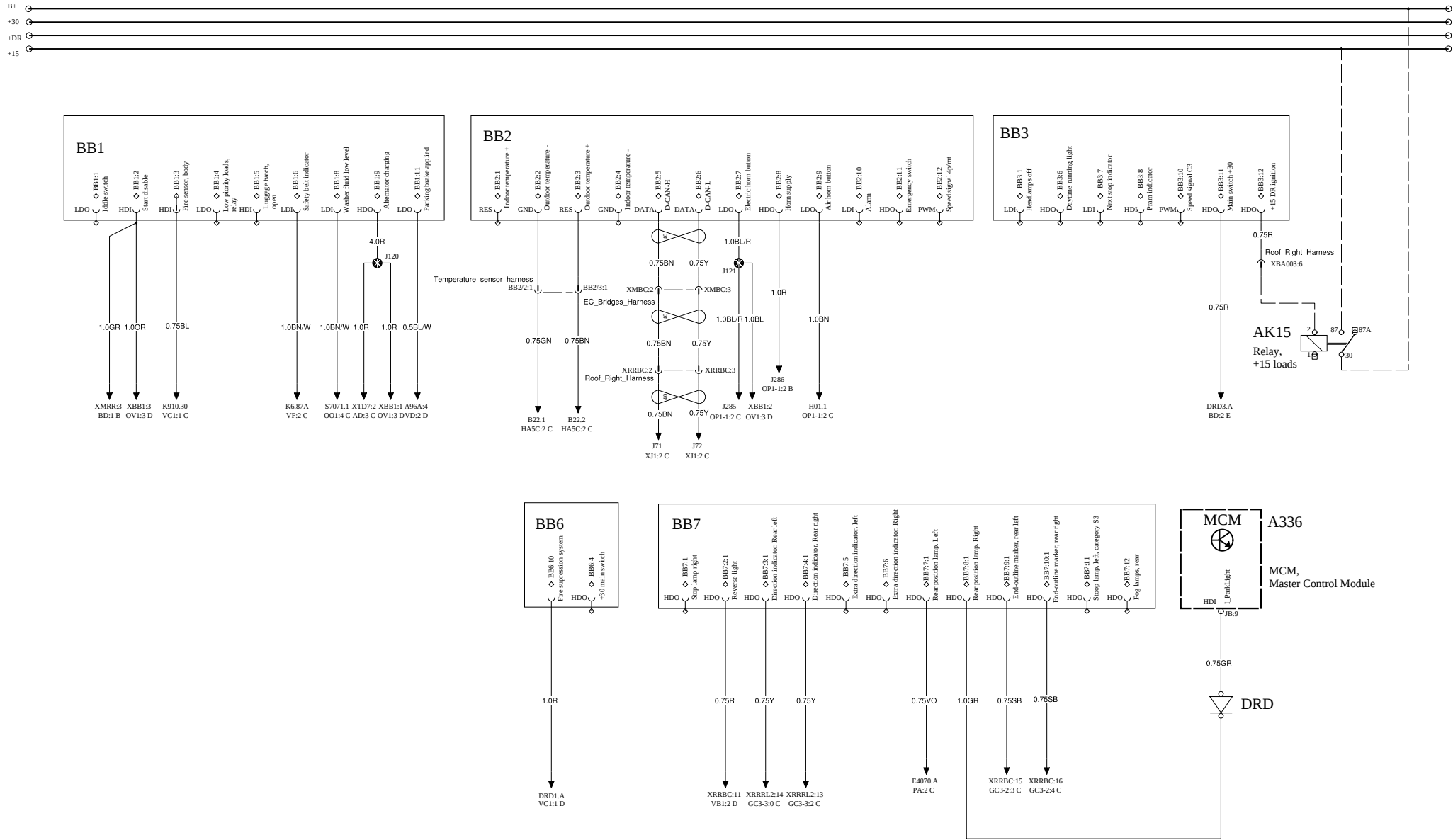
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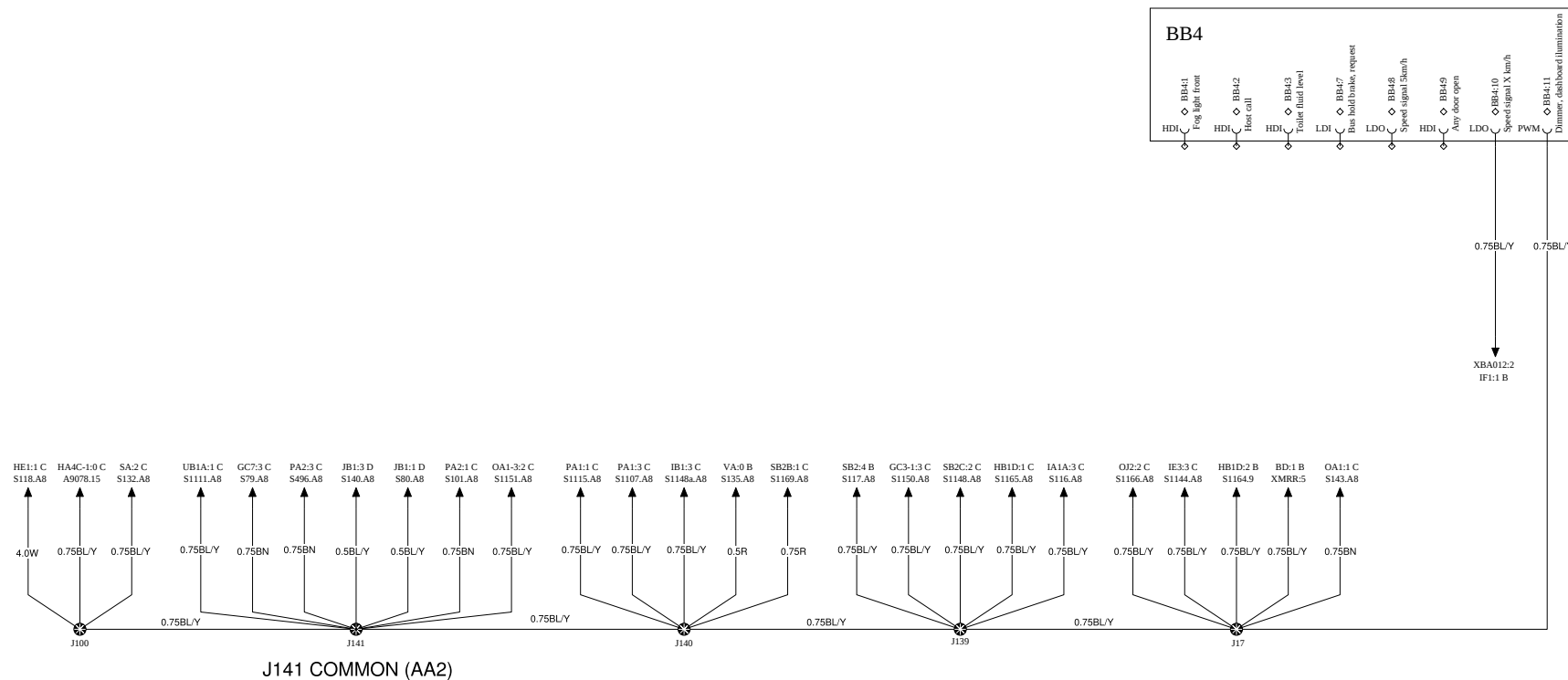
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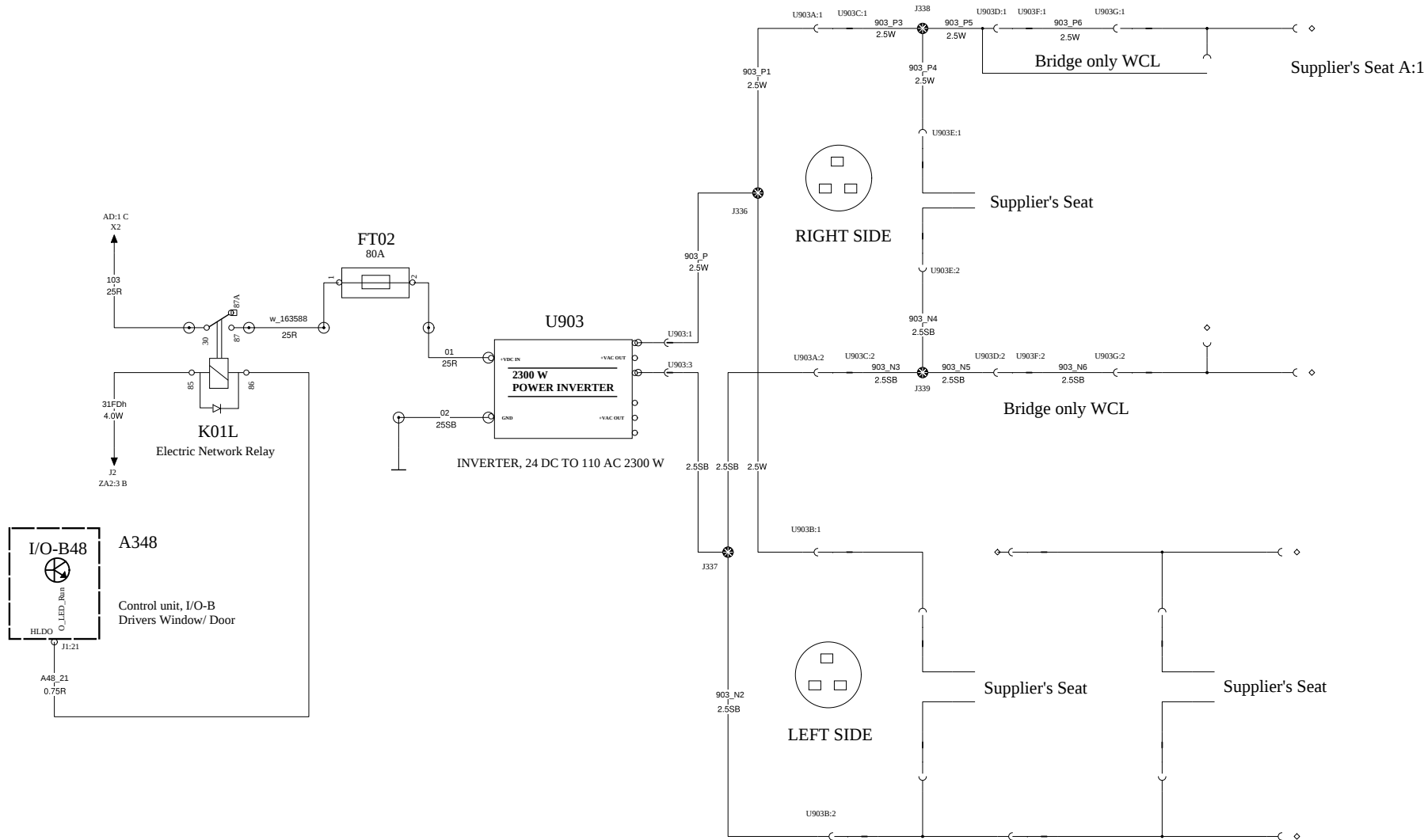






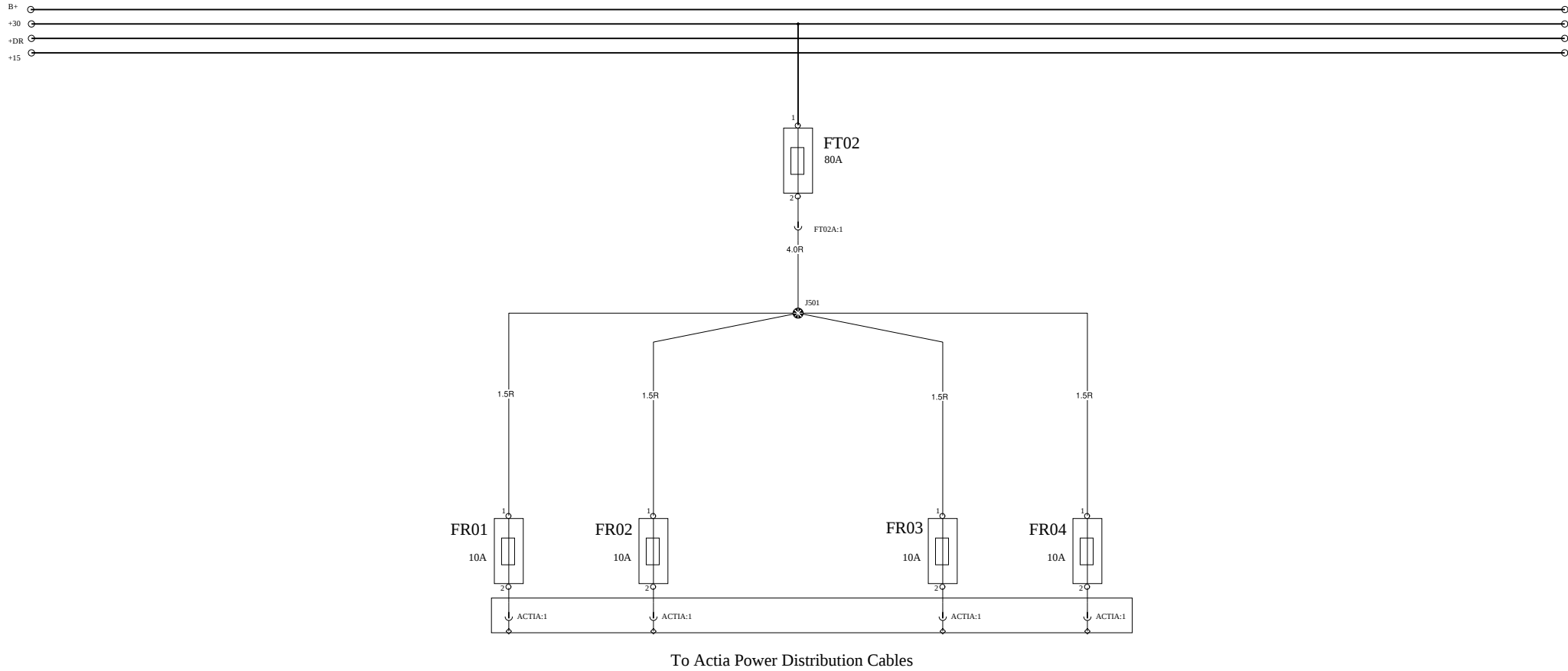
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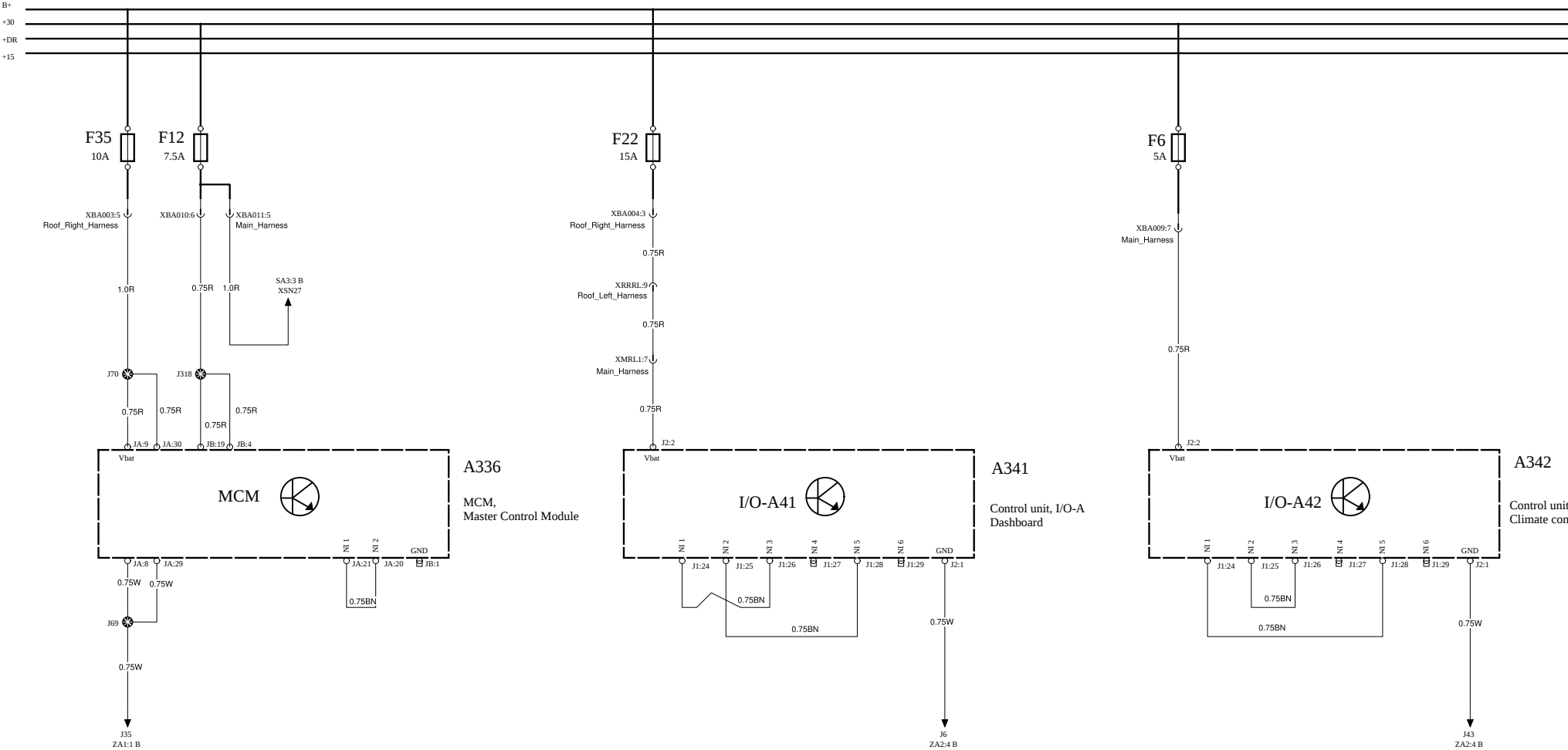
WIRING DIAGRAM AH2



SUPPLY DUAL CHARGER

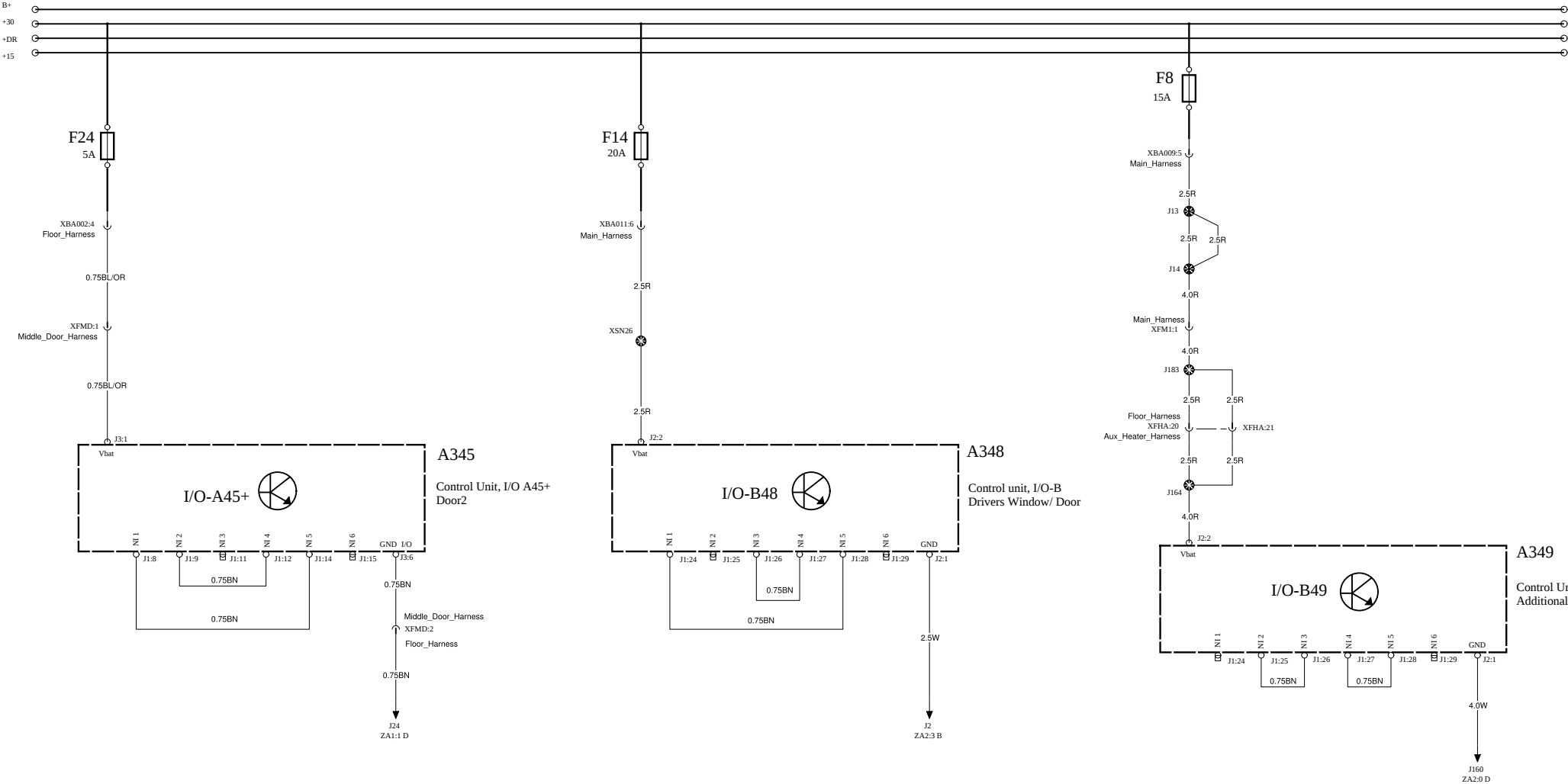
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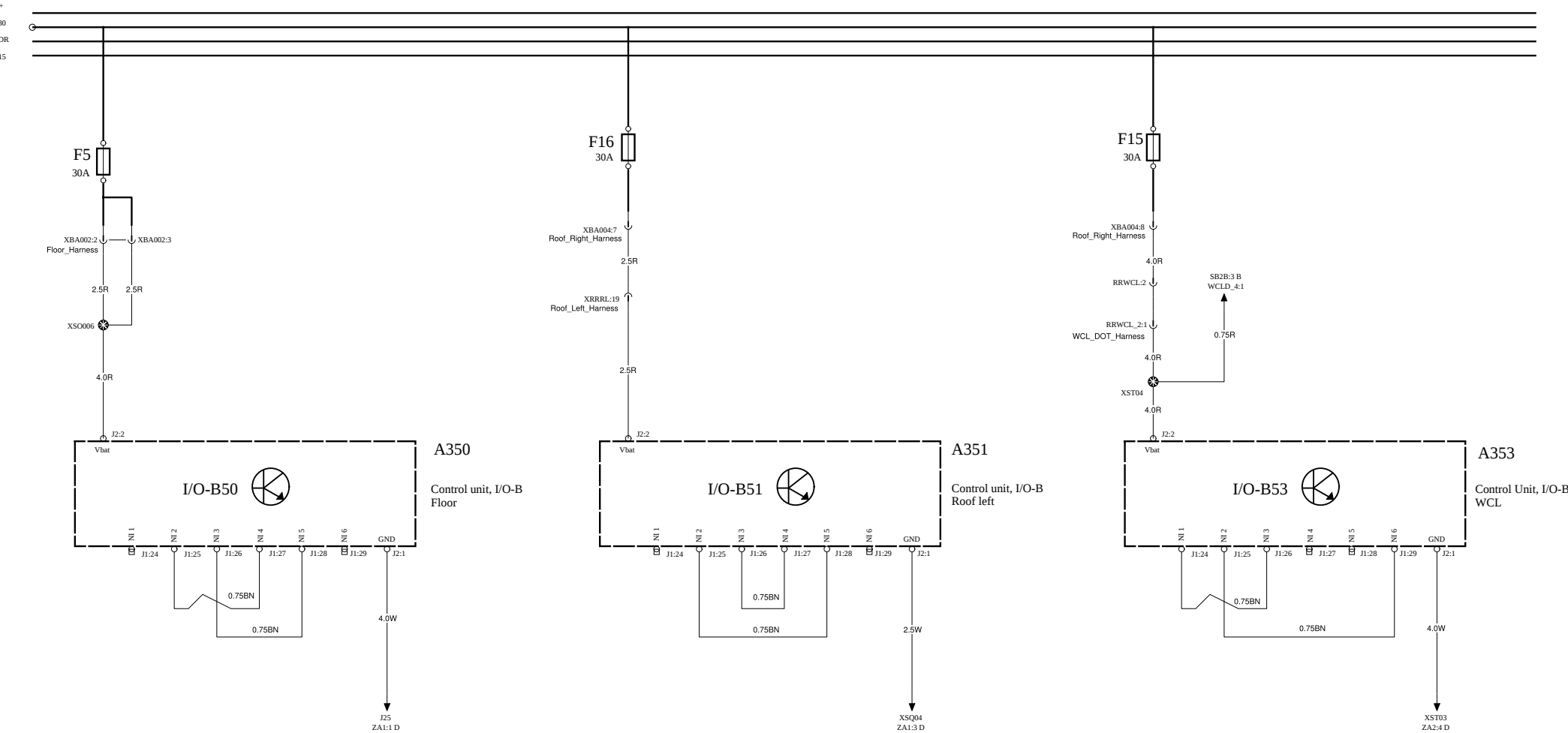
I/O MODULES A45, A48 & A49

WIRING DIAGRAM AI1-2



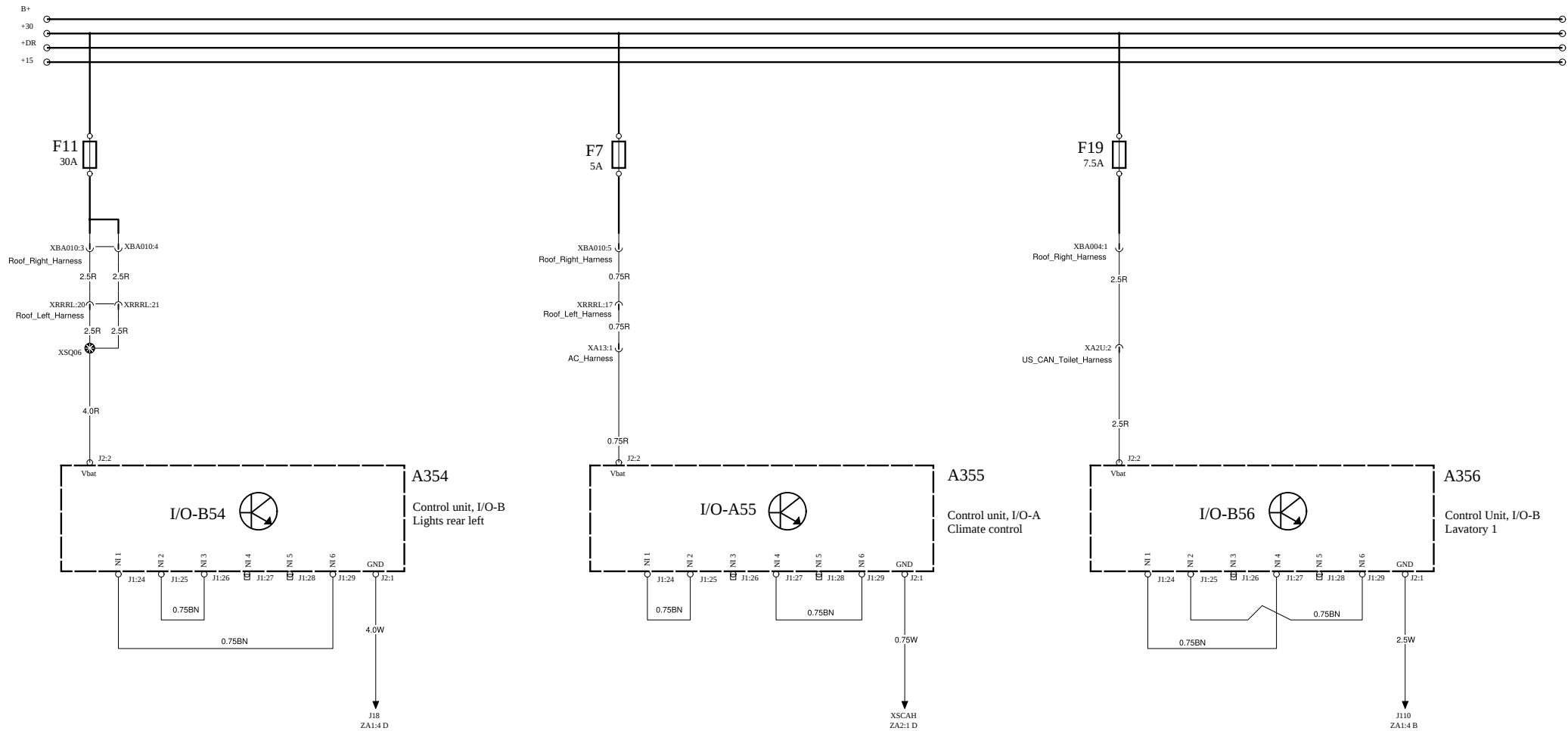
I/O MODULES B50, B51 & B53

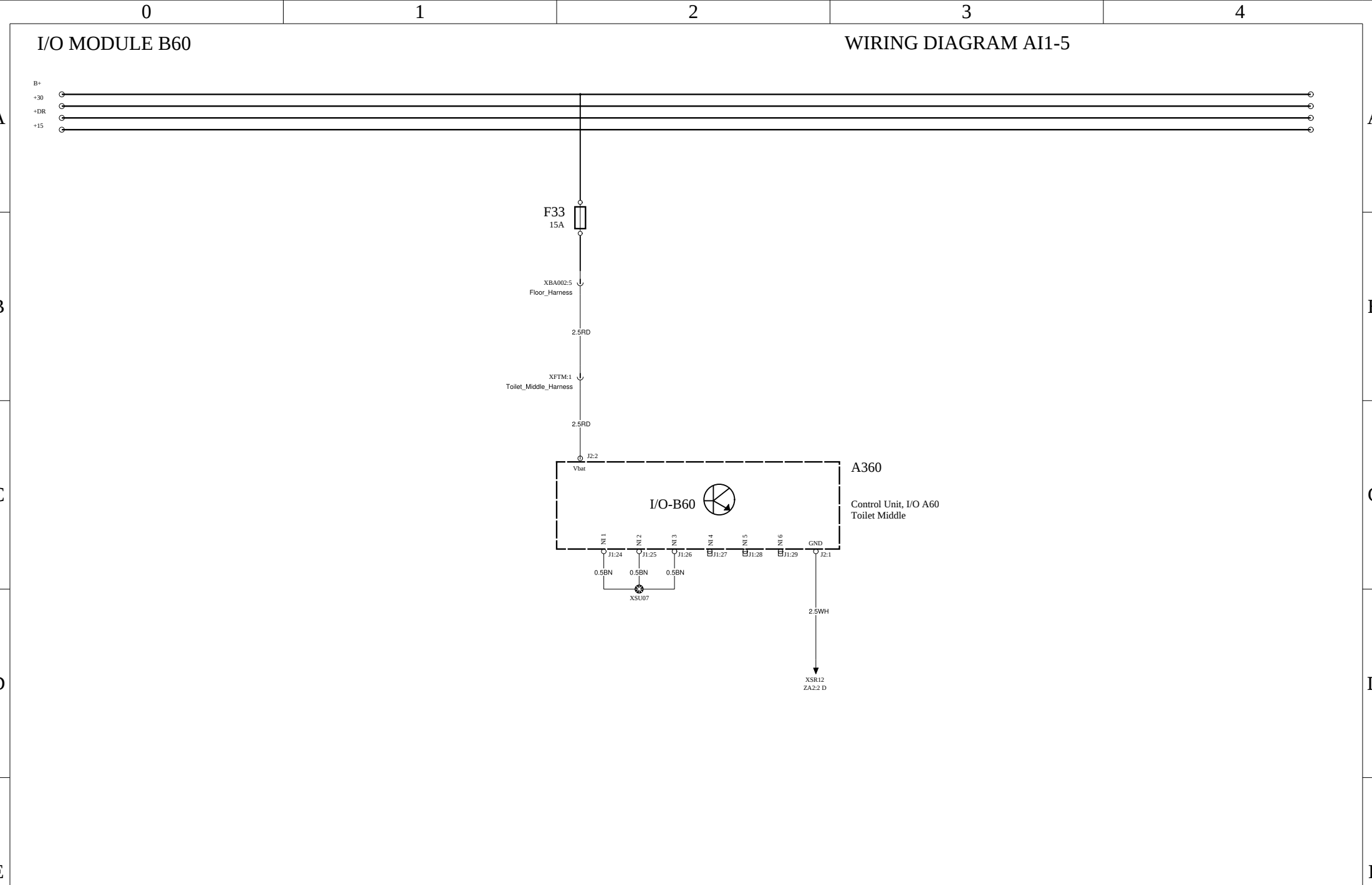
WIRING DIAGRAM AI1-3



I/O MODULES B54,A55 & B56

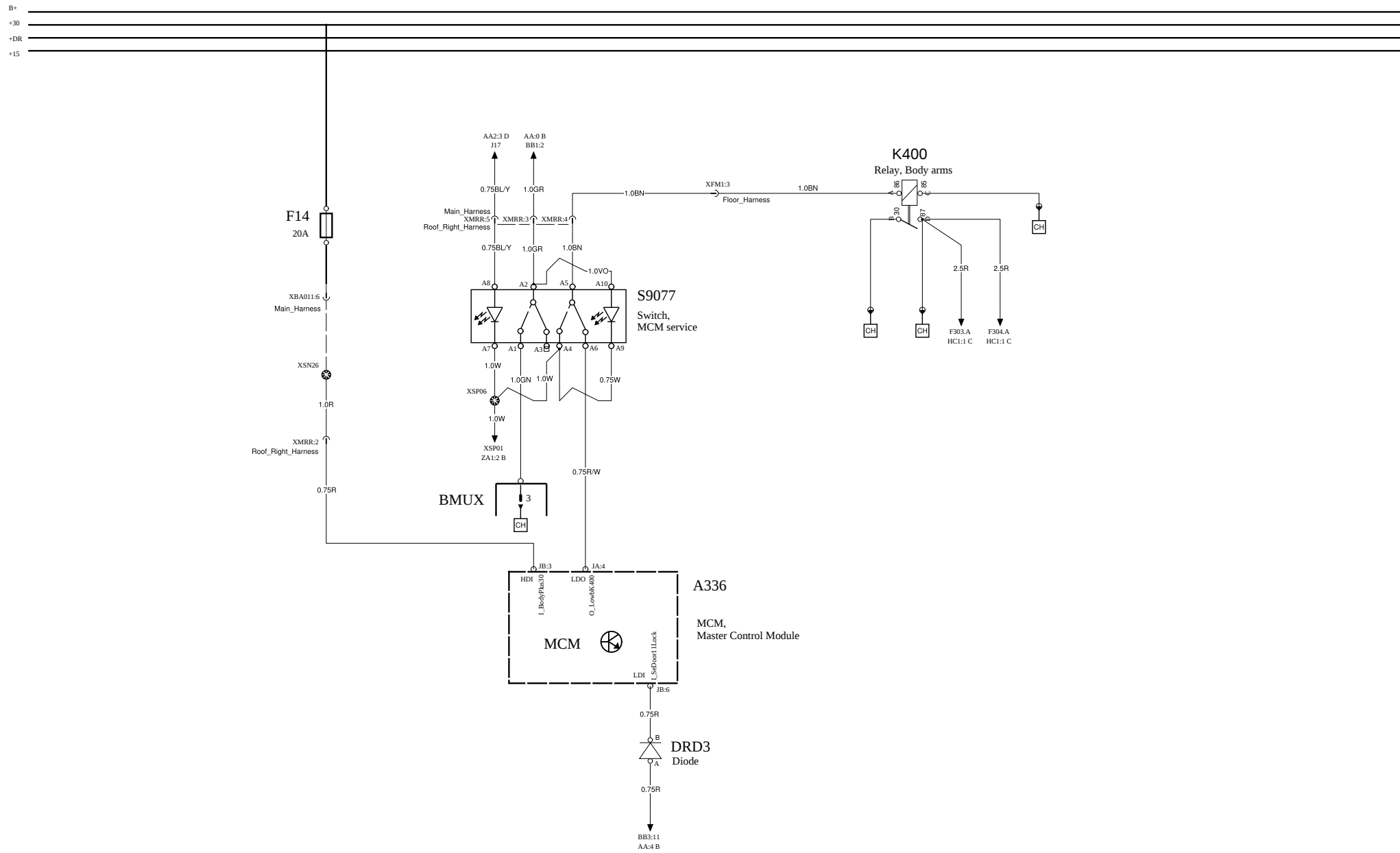
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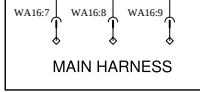
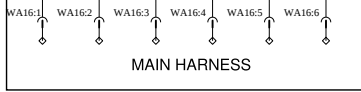
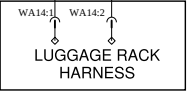
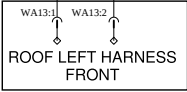
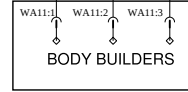
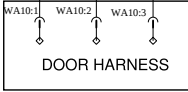
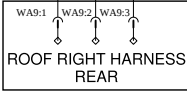
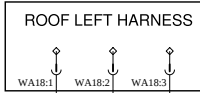
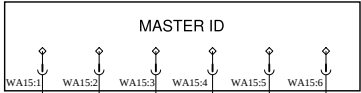
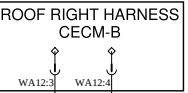
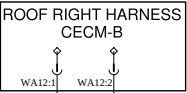
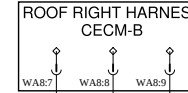
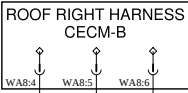
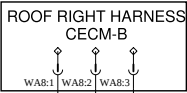
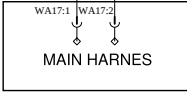
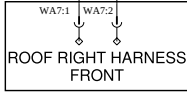
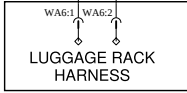
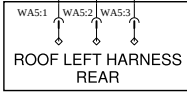
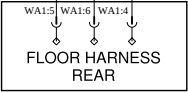
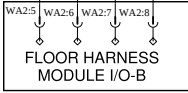
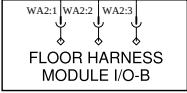
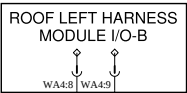
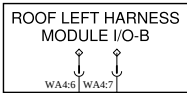
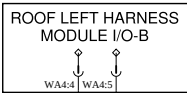
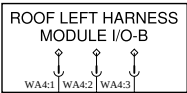
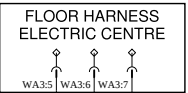
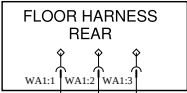
BODY ARMS

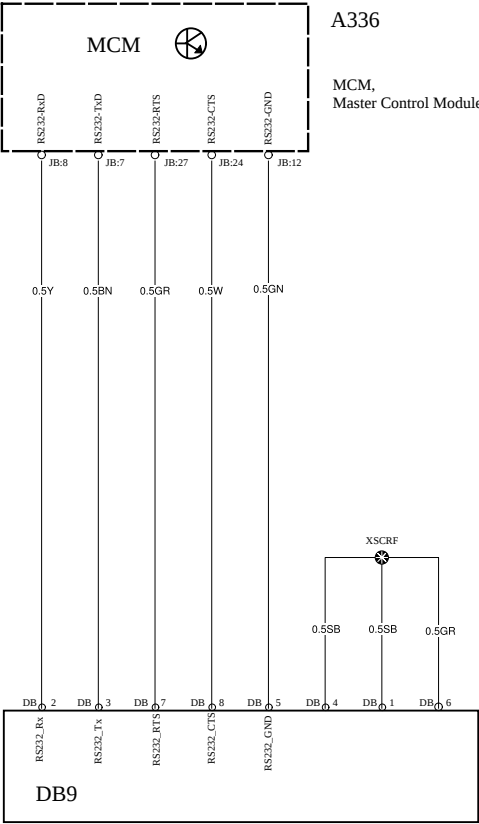
WIRING DIAGRAM BD



AUXILIARY LINES

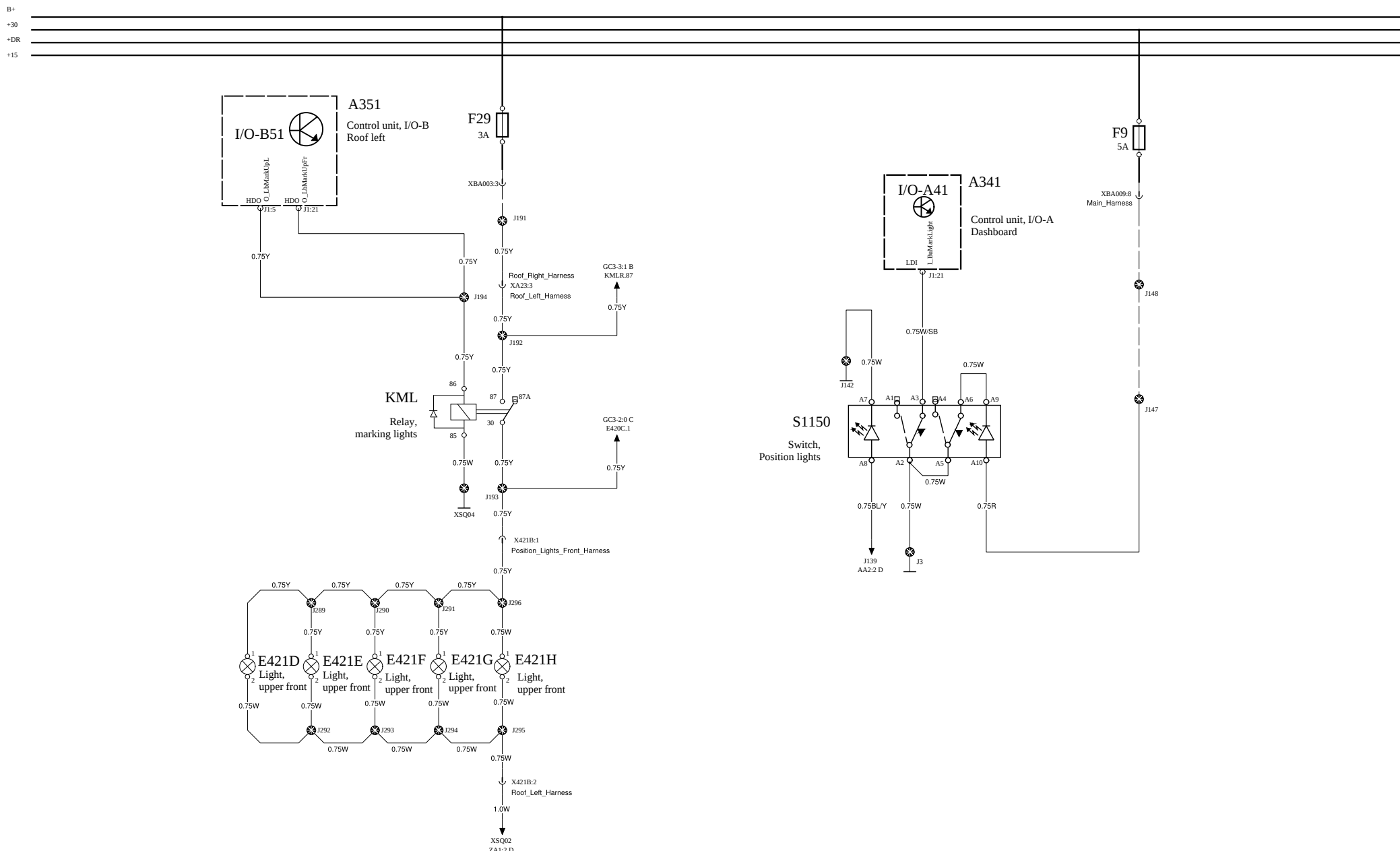
WIRING DIAGRAM BE





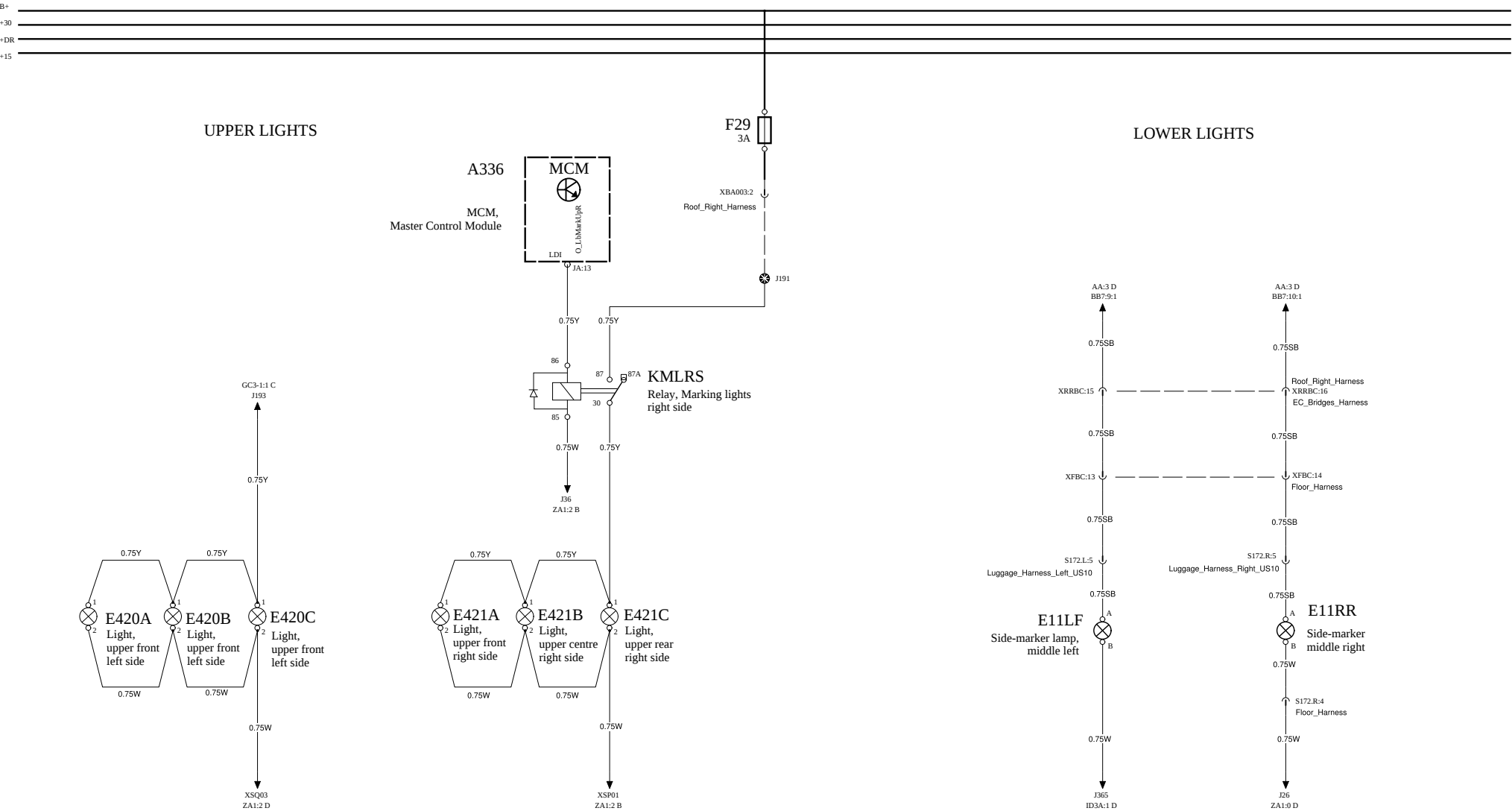
## FRONT MARKING LIGHTS

## WIRING DIAGRAM GC3-1



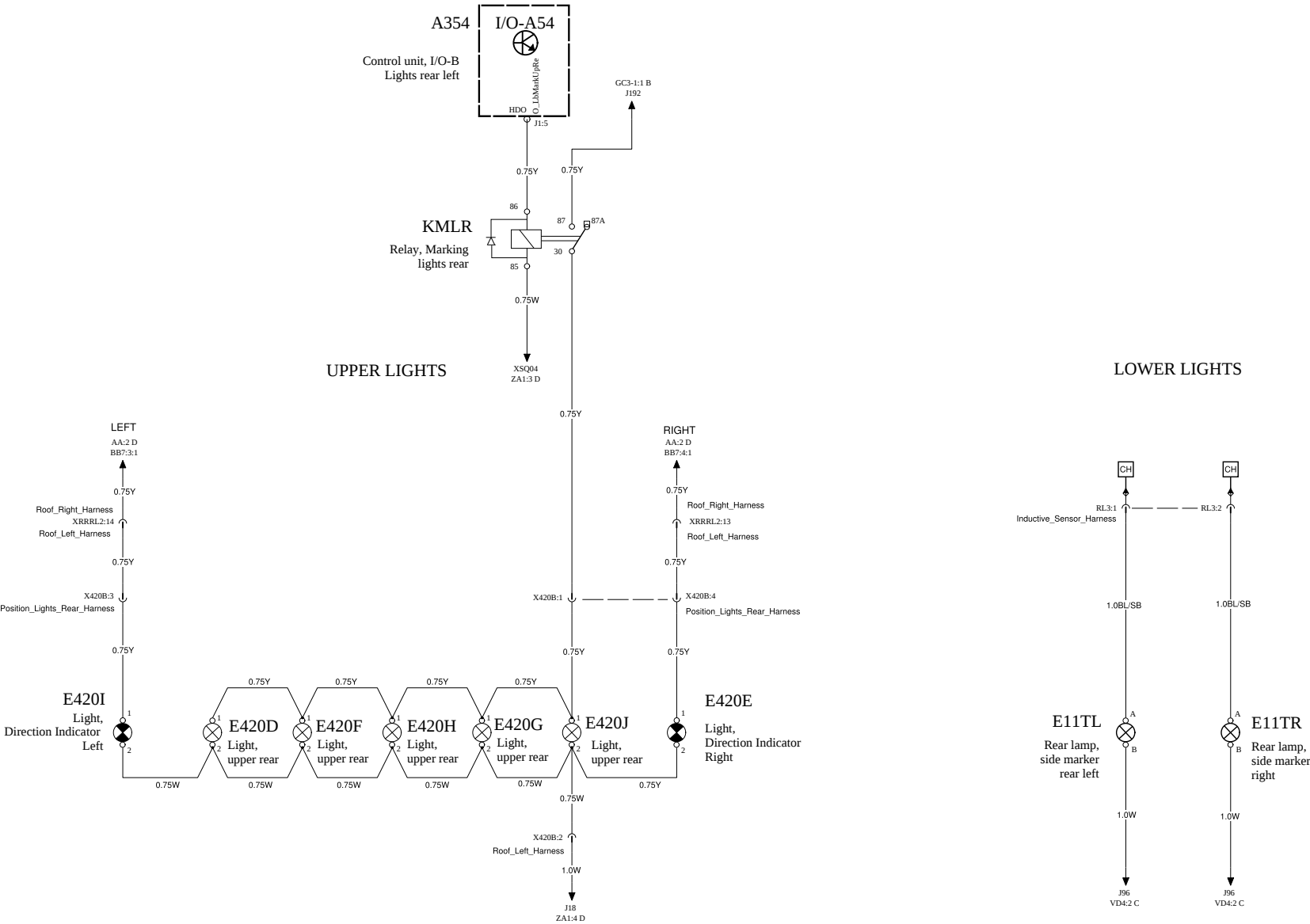
MIDDLE MARKING LIGHTS

WIRING DIAGRAM GC3-2



REAR MARKING LIGHTS

WIRING DIAGRAM GC3-3



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Document title  
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Document type  
PRODUCT SCHEMATIC

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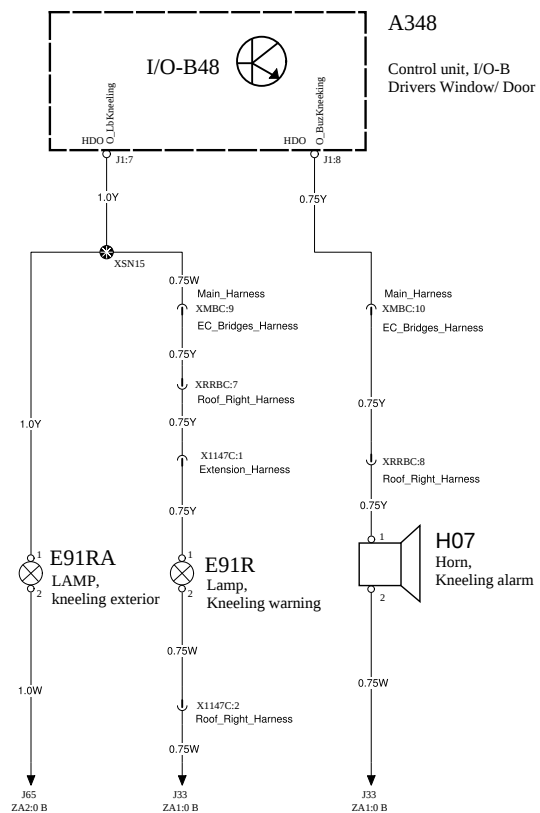


Diagram illustrating the wiring for the Rear Lights (Left Side and Right Side) and the WIRING DIAGRAM GC6.

**LEFT SIDE**

**RIGHT SIDE**

**WIRING DIAGRAM GC6**

**Components and Connections:**

- Left Side:**
  - E10L:** Light left, tailand break. Connected to RL2A:3, RL2A:4, RL2A:5, and RL2A:1.
  - RSTL:** Lamp stop, tail dot. Connected to RL2A:2 and RL2A:1.
  - E10LB:** License plate left. Connected to FOGL:2 and FOGL:4.
  - E10RB:** License plate right. Connected to FOGL:2 and FOGL:4.
  - E10XB:** License plate In Bike Rack. Connected to XE10RB:2 and XE10RB:1.
  - RSL:** Stop light, rear left. Connected to E07LR:2.
- Right Side:**
  - E09RB:** Brake light middle. Connected to RL1A:5, RL1A:4, and RL1A:3.
  - RSR:** Stop light, rear right. Connected to RL1A:5, RL1A:4, and RL1A:3.
  - RSTR:** Stop lamp, tail dot. Connected to RL1A:5, RL1A:4, and RL1A:3.
  - E10R:** Lamp, Tail light right. Connected to RL1A:5, RL1A:4, and RL1A:3.
  - H06R:** Buzzer reverse. Connected to RL1A:5, RL1A:4, and RL1A:3.

**Legend:**

- CH: Connector
- RL2A:3, RL2A:4, RL2A:5, RL2A:1, RL1A:5, RL1A:4, RL1A:3: Rear Lights Left/Right
- FOGL:2, FOGL:4: Fog Plate Lights
- XE10RB:2, XE10RB:1: Bike Rack Extension
- E07LR:2: Stop light, rear left

Diagram illustrating the wiring for the Rear Lights (Left Side and Right Side) and the WIRING DIAGRAM GC6.

**LEFT SIDE**

**RIGHT SIDE**

**WIRING DIAGRAM GC6**

**Components and Connections:**

- Left Side:**
  - E10L:** Light left, tailand break. Connected to RL2A:3, RL2A:4, RL2A:5, and RL2A:1.
  - RSTL:** Lamp stop, tail dot. Connected to RL2A:2 and RL2A:1.
  - E10LB:** License plate left. Connected to FOGL:2 and FOGL:4.
  - E10RB:** License plate right. Connected to FOGL:2 and FOGL:4.
  - E10XB:** License plate In Bike Rack. Connected to XE10RB:2 and XE10RB:1.
  - RSL:** Stop light, rear left. Connected to E07LR:2.
- Right Side:**
  - E09RB:** Brake light middle. Connected to RL1A:5, RL1A:4, and RL1A:3.
  - RSR:** Stop light, rear right. Connected to RL1A:5, RL1A:4, and RL1A:3.
  - RSTR:** Stop lamp, tail dot. Connected to RL1A:5, RL1A:4, and RL1A:3.
  - E10R:** Lamp, Tail light right. Connected to RL1A:5, RL1A:4, and RL1A:3.
  - H06R:** Buzzer reverse. Connected to RL1A:5, RL1A:4, and RL1A:3.

**Legend:**

- CH: Connector
- RL2A:3, RL2A:4, RL2A:5, RL2A:1, RL1A:5, RL1A:4, RL1A:3: Rear Lights Left/Right
- FOGL:2, FOGL:4: Fog Plate Lights
- XE10RB:2, XE10RB:1: Bike Rack Extension
- E07LR:2: Stop light, rear left

|   | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 | 2 | 3          | 4 |  |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|------------|---|--|
| A | REAR LIGHTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   |   |            |   |  |
| B | LEFT SIDE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |   |   | RIGHT SIDE |   |  |
| C | <p>The diagram illustrates the electrical wiring for the rear lights of a vehicle, divided into Left Side and Right Side sections.</p> <p><b>Left Side Components:</b></p> <ul style="list-style-type: none"><li><b>E10L:</b> Light left, tailand break (Terminal 3).</li><li><b>RSL:</b> Stop light, rear left (Terminal 1).</li><li><b>E10LB:</b> License plate left (Terminal 2).</li><li><b>E10RB:</b> License plate right (Terminal 2).</li><li><b>E10XB:</b> License plate In Bike Rack (Terminal 2).</li><li><b>RSTL:</b> Lamp stop, tail dot (Terminal 1).</li><li><b>Fog_Lights:</b> Fog Plate Lights (Terminal 2).</li><li><b>Connections:</b> J165, J167, J267, J268, J90, RL2A:1, RL2A:2, RL2A:3, RL2A:4, RL2A:5, FOGL:2, FOGL:4, E07LR:2, XE10RB:1, XE10RB:2, Bike_Rack_Extension.</li></ul> <p><b>Right Side Components:</b></p> <ul style="list-style-type: none"><li><b>E09RB:</b> Brake light middle (Terminal 1).</li><li><b>RSR:</b> Stop light, rear right (Terminal 1).</li><li><b>RSTR:</b> Stop lamp, tail dot (Terminal 1).</li><li><b>E10R:</b> Lamp, Tail light right (Terminals 1, 2, 3, 4, 5).</li><li><b>H06R:</b> Buzzer reverse (Terminal 1).</li><li><b>Connections:</b> J166, J173, J300, RL1A:1, RL1A:2, RL1A:3, RL1A:4, RL1A:5, 1.0VO, 1.0WB, 1.0BN, 1.5V, 1.0W.</li></ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"><li>Connect XE10RB to E10RB when variant RBR-TH5</li></ul> |   |   |            |   |  |
| D |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |   |   |            |   |  |
| E |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |   |   |            |   |  |

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|------------------------------------|--|-------------|-------|--------|--------|
| Document type<br>PRODUCT SCHEMATIC |  | 23458767    | 02    | 02(03) | 19(89) |

Diagram illustrating the wiring for the Rear Lights (Left Side and Right Side) and the WIRING DIAGRAM GC6.

**LEFT SIDE**

**RIGHT SIDE**

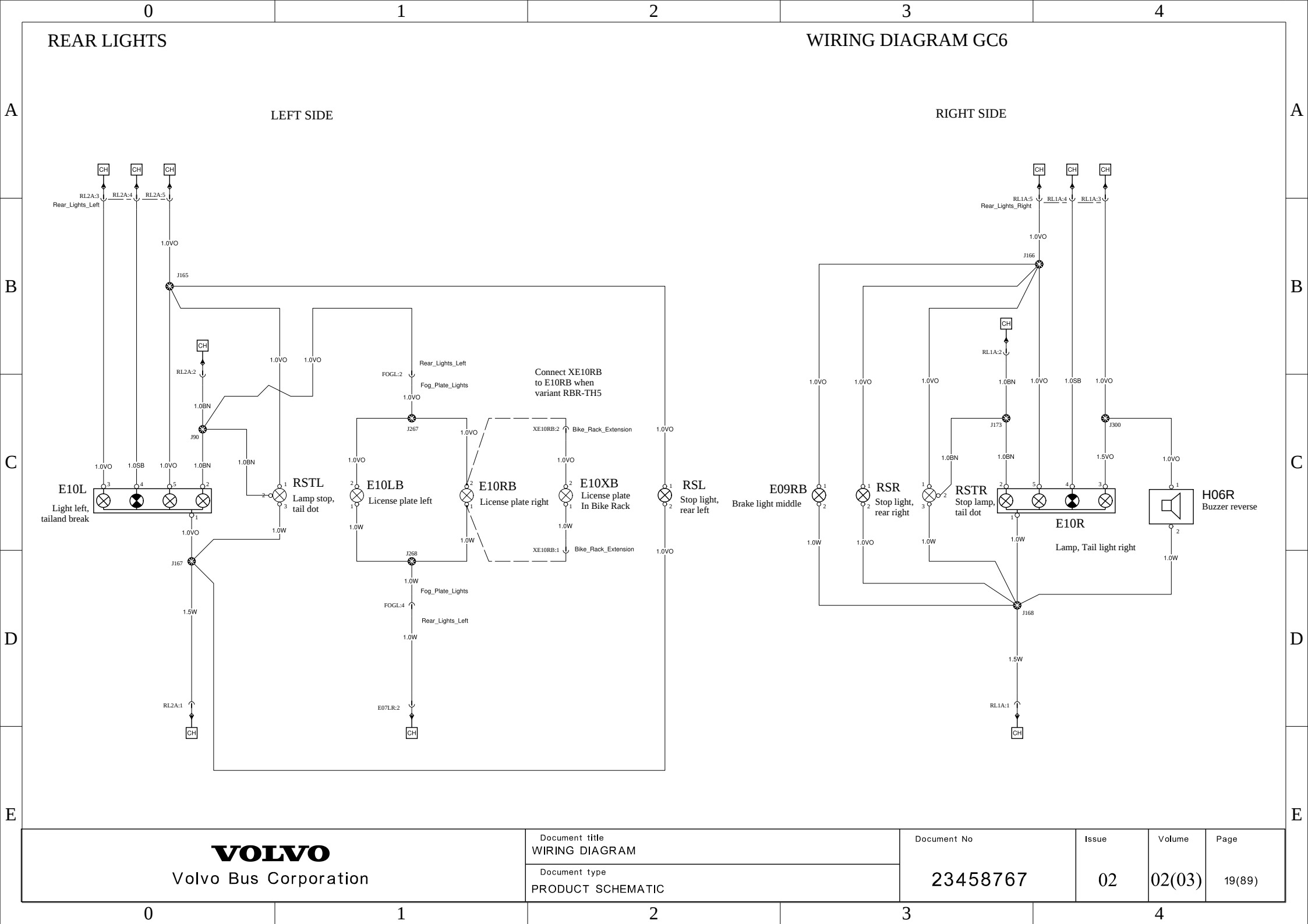
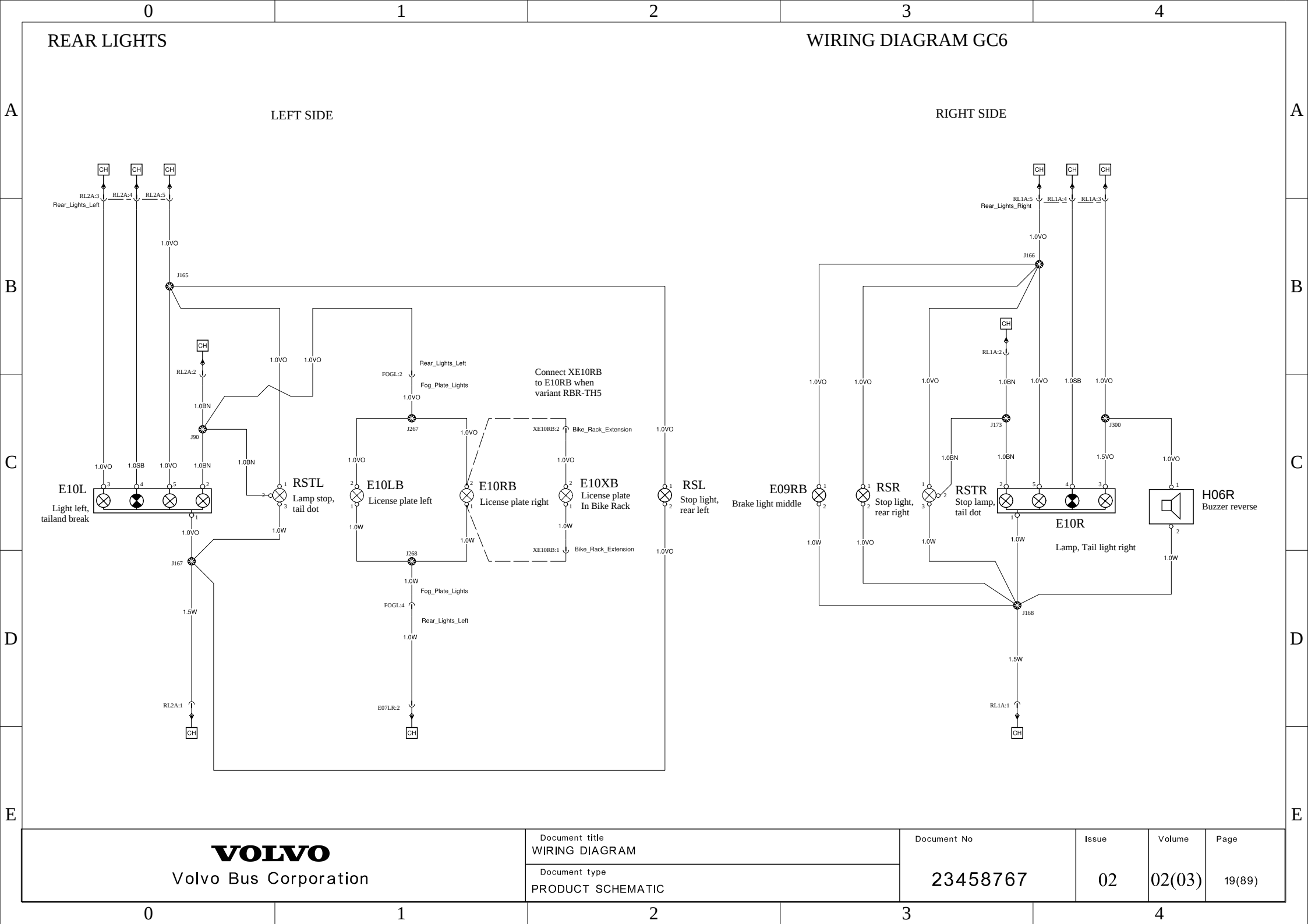
**WIRING DIAGRAM GC6**

**Components and Connections:**

- Left Side:**
  - E10L:** Light left, tailand break. Connected to RL2A:3, RL2A:4, RL2A:5, and RL2A:1.
  - RSTL:** Lamp stop, tail dot. Connected to RL2A:2 and RL2A:1.
  - E10LB:** License plate left. Connected to FOGL:2 and FOGL:4.
  - E10RB:** License plate right. Connected to FOGL:2 and FOGL:4.
  - E10XB:** License plate In Bike Rack. Connected to XE10RB:2 and XE10RB:1.
  - RSL:** Stop light, rear left. Connected to E07LR:2.
- Right Side:**
  - E09RB:** Brake light middle. Connected to RL1A:5, RL1A:4, and RL1A:3.
  - RSR:** Stop light, rear right. Connected to RL1A:5, RL1A:4, and RL1A:3.
  - RSTR:** Stop lamp, tail dot. Connected to RL1A:5, RL1A:4, and RL1A:3.
  - E10R:** Lamp, Tail light right. Connected to RL1A:5, RL1A:4, and RL1A:3.
  - H06R:** Buzzer reverse. Connected to RL1A:5, RL1A:4, and RL1A:3.

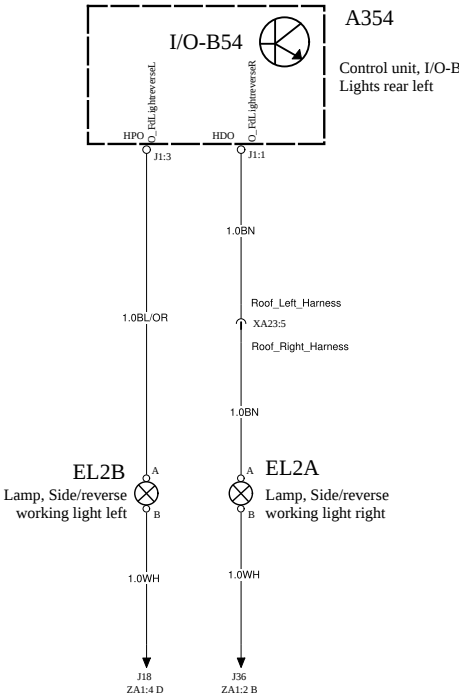
**Legend:**

- CH: Connector
- RL2A:3, RL2A:4, RL2A:5, RL2A:1, RL1A:5, RL1A:4, RL1A:3: Rear Lights Left/Right
- FOGL:2, FOGL:4: Fog Plate Lights
- XE10RB:2, XE10RB:1: Bike Rack Extension
- E07LR:2: Stop light, rear left

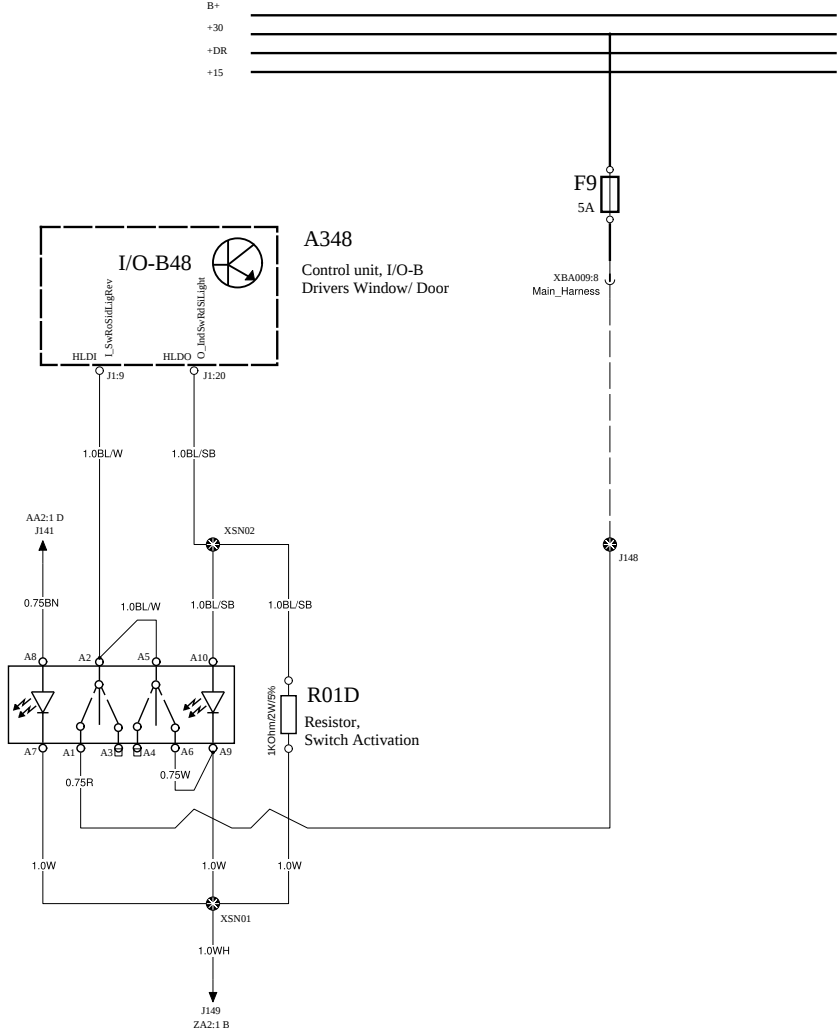


ROAD SIDE LIGHT EXLIGHT

WIRING DIAGRAM GC7

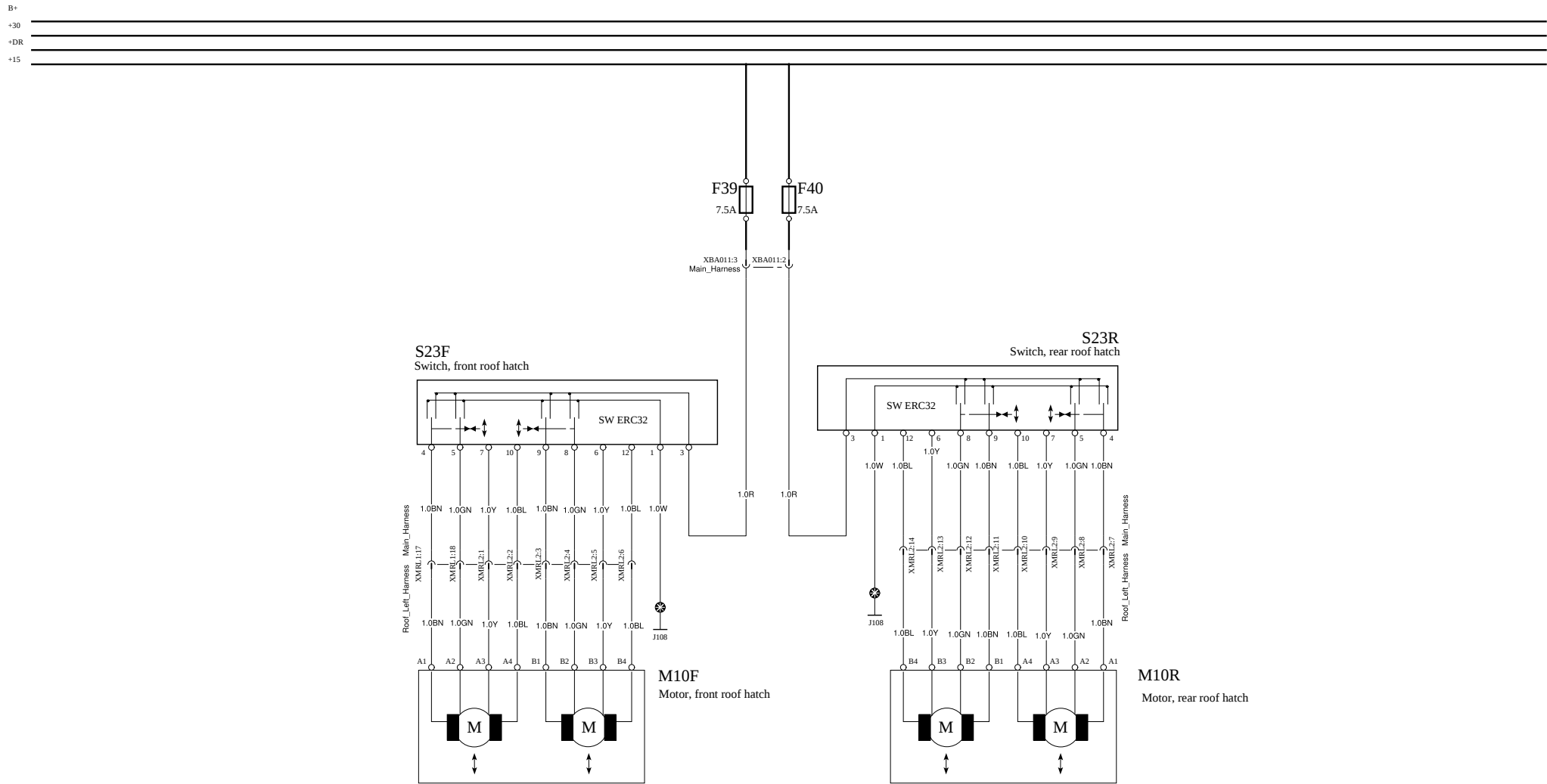


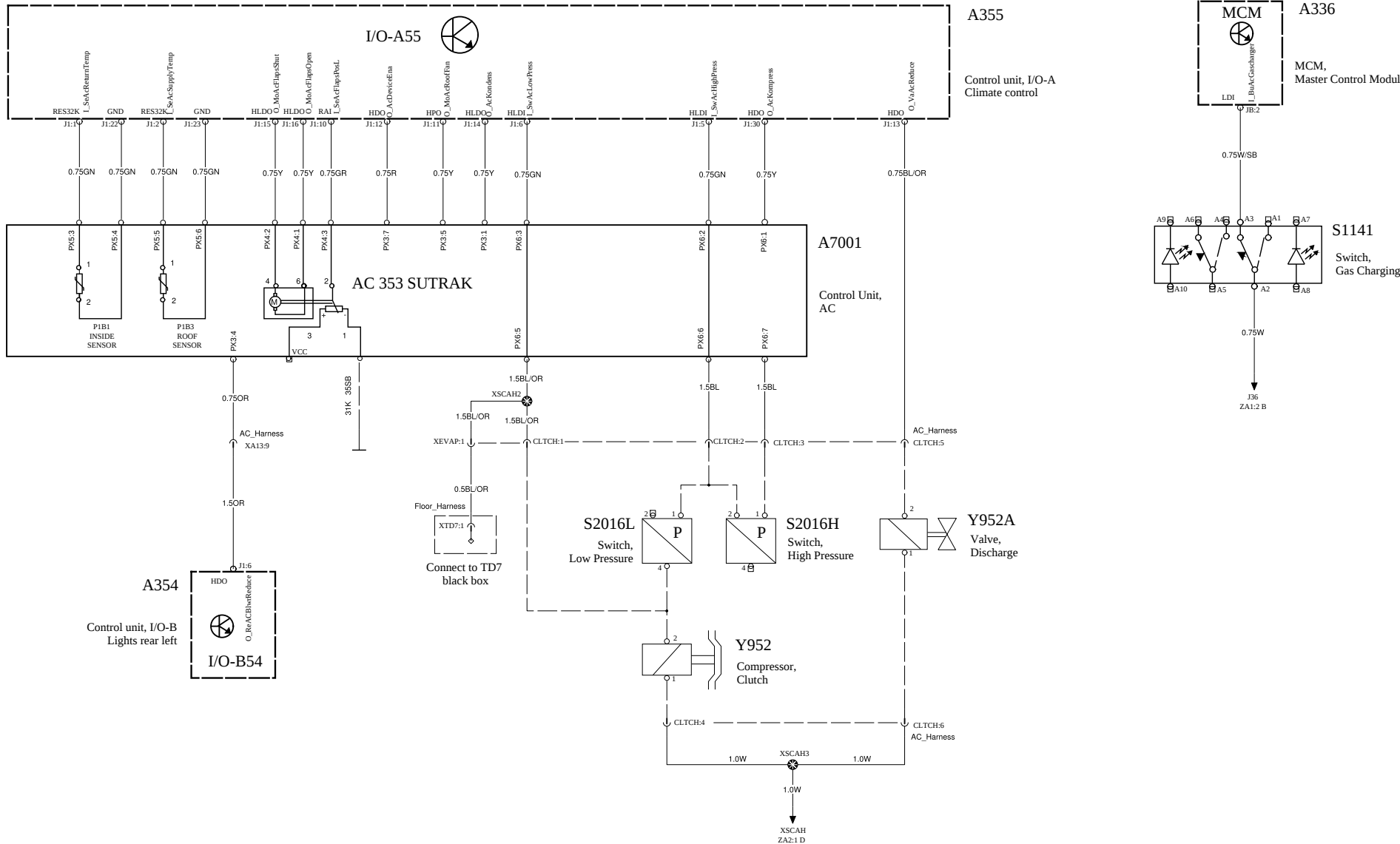
**S79**  
Switch, additional work lamps  
(reverse lamps), manual turn on

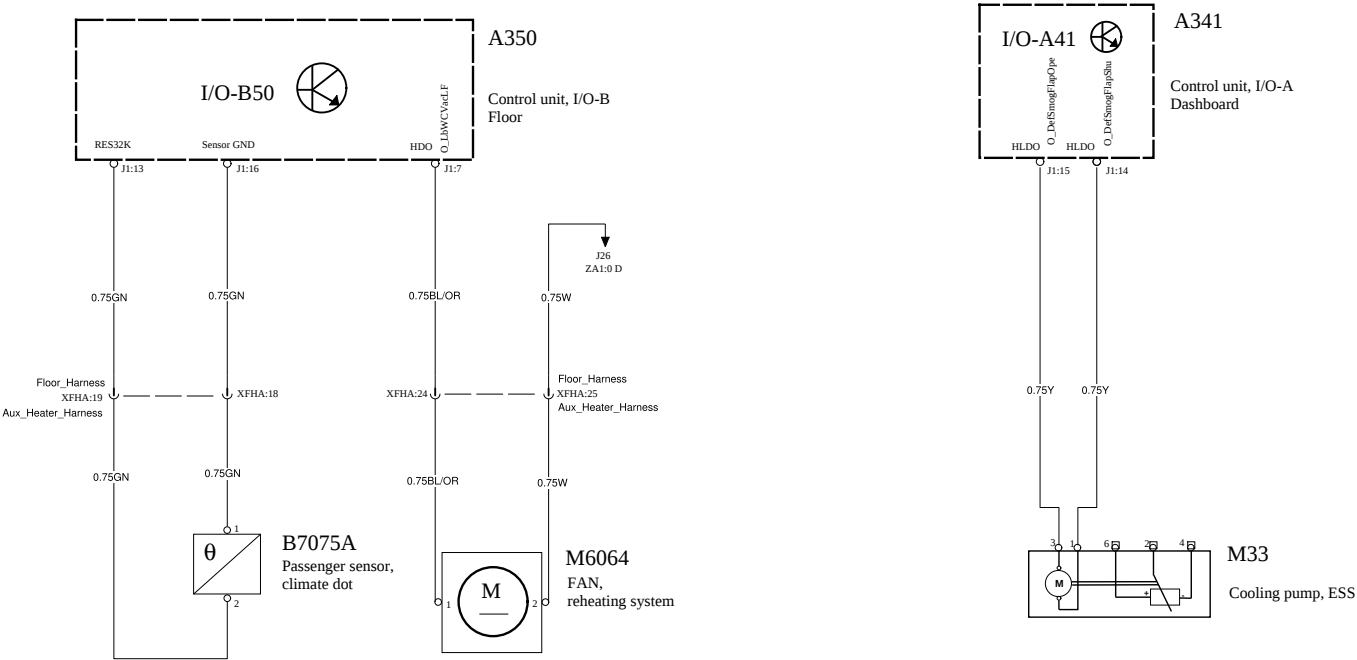


ROOF HATCHES

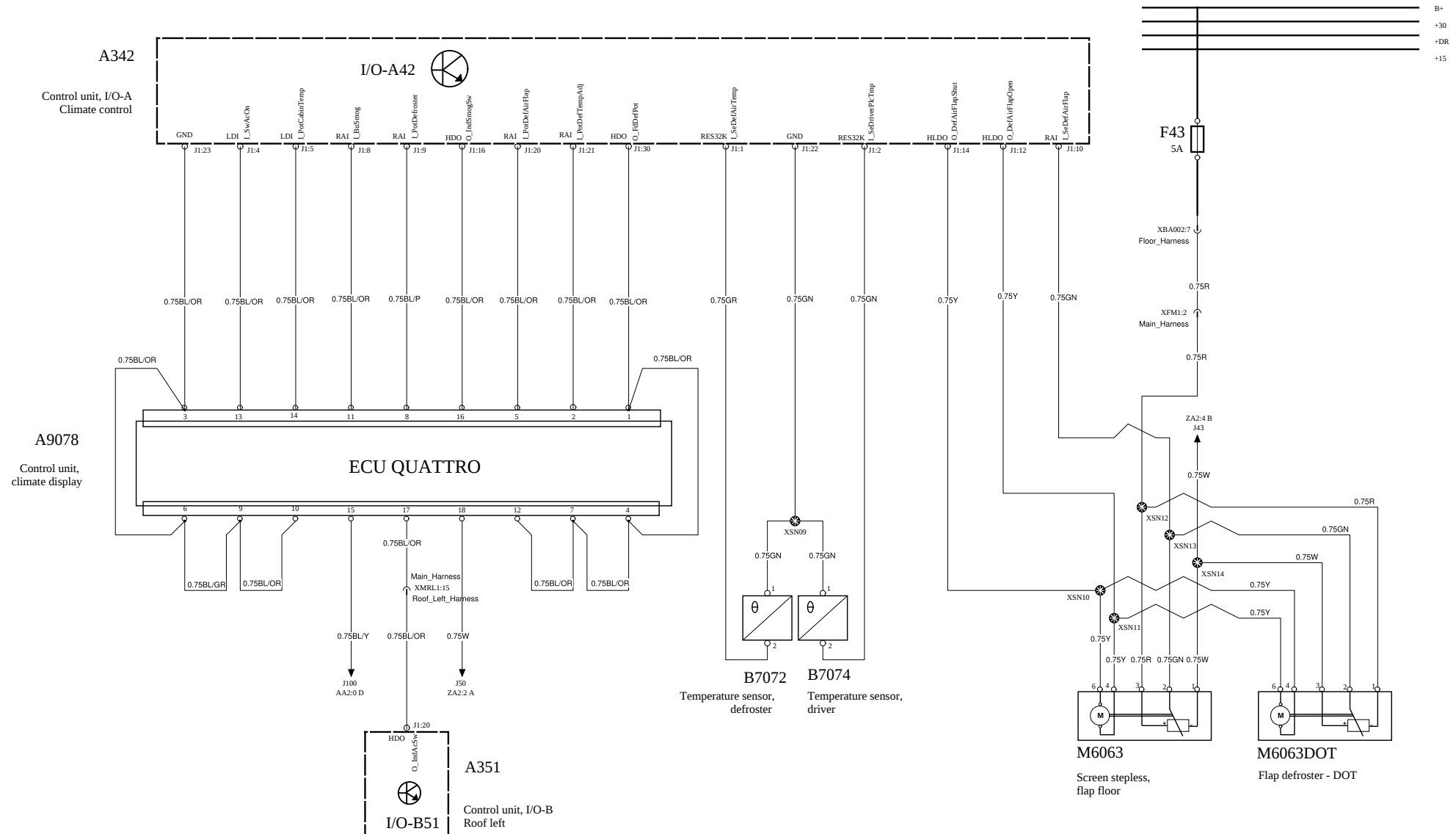
WIRING DIAGRAM HA





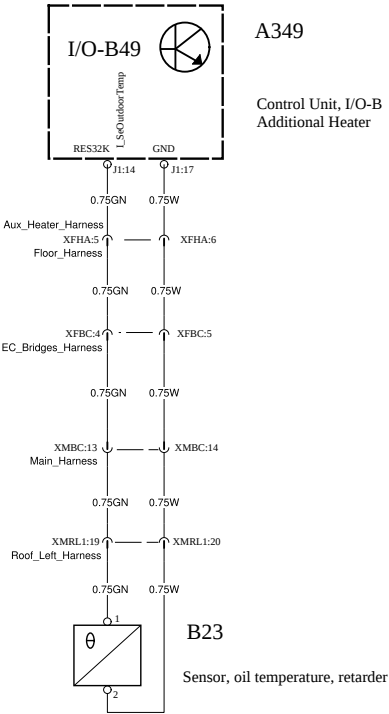
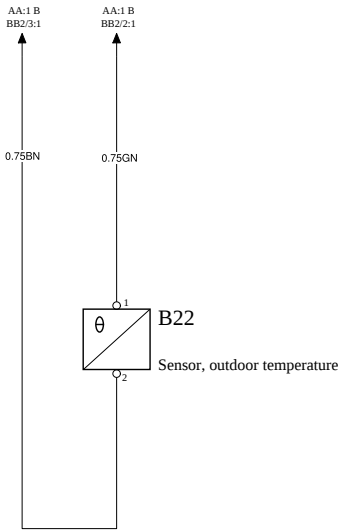
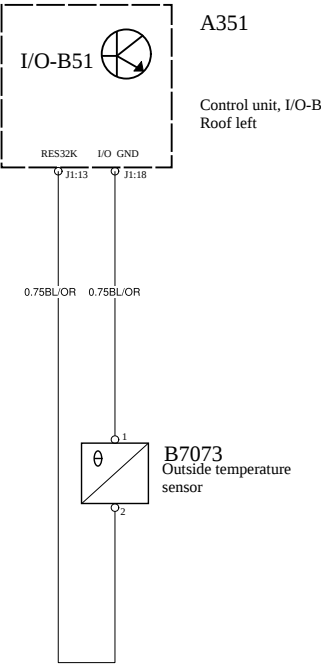






OUTDOOR TEMPERATURE SENSORS

WIRING DIAGRAM HA5C



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Volvo Bus Corporation

Document title  
WIRING DIAGRAM

Document type  
PRODUCT SCHEMATIC

Document No

23458767

Issue

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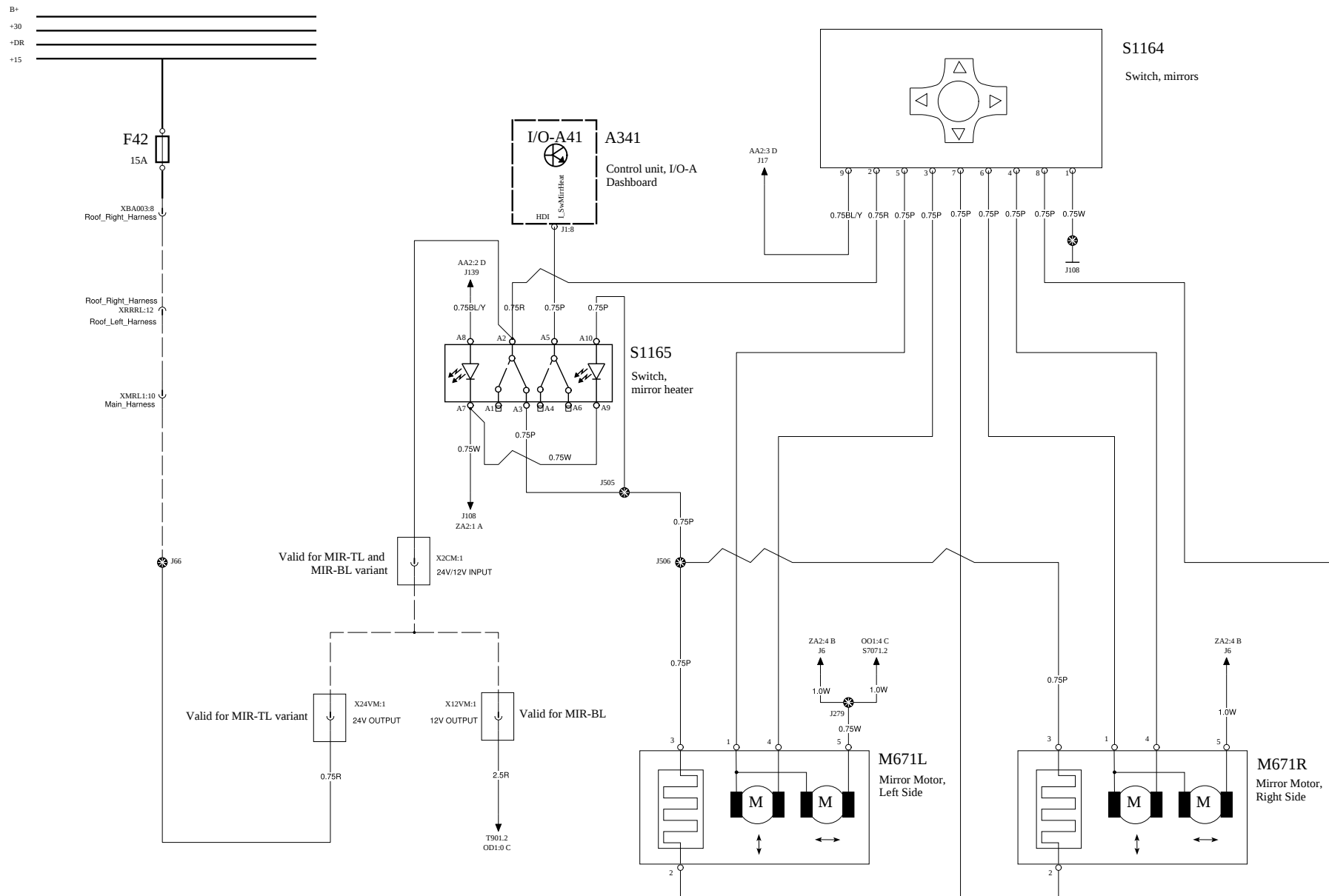
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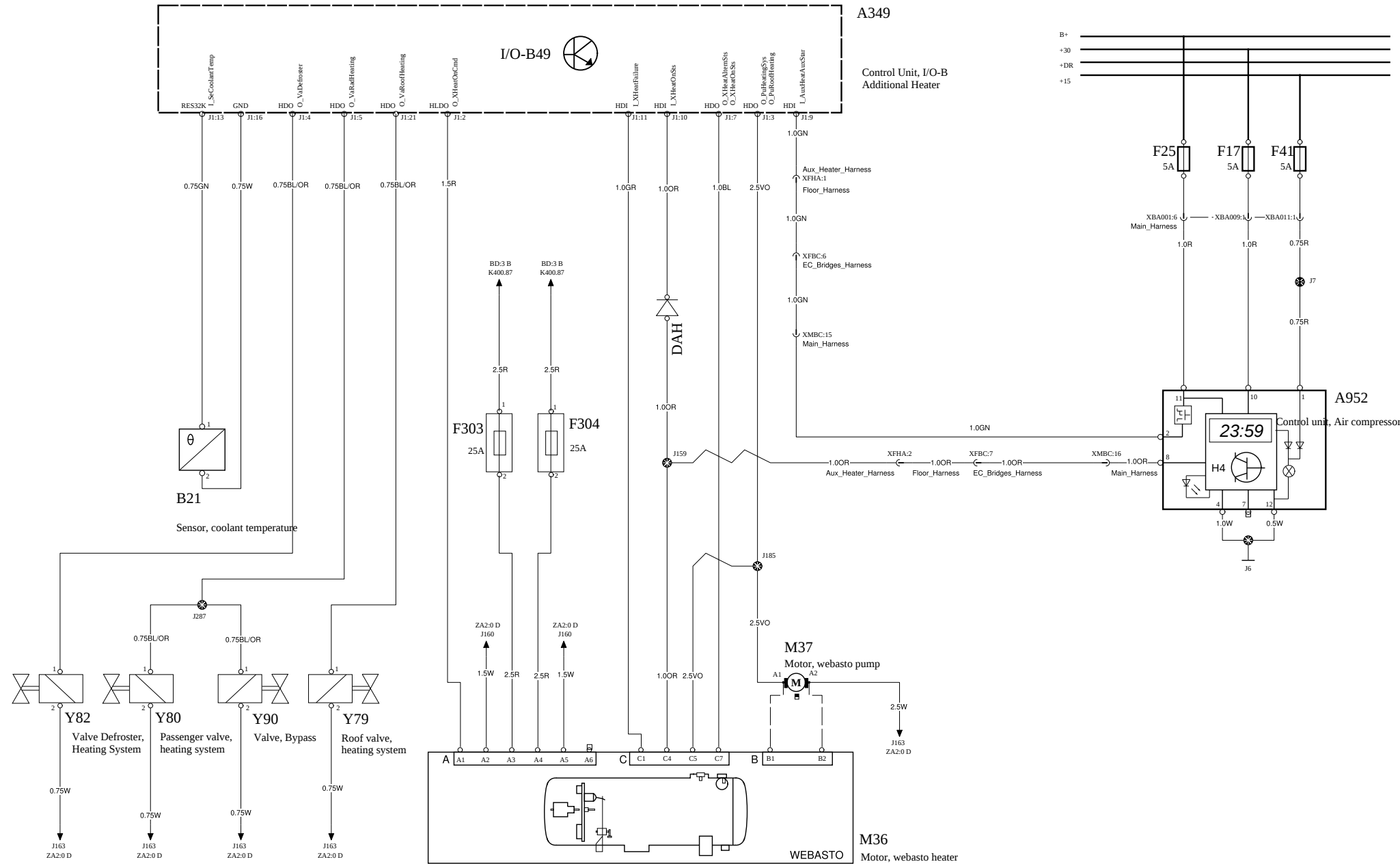
## MIRROR HEATING

## WIRING DIAGRAM HB1D



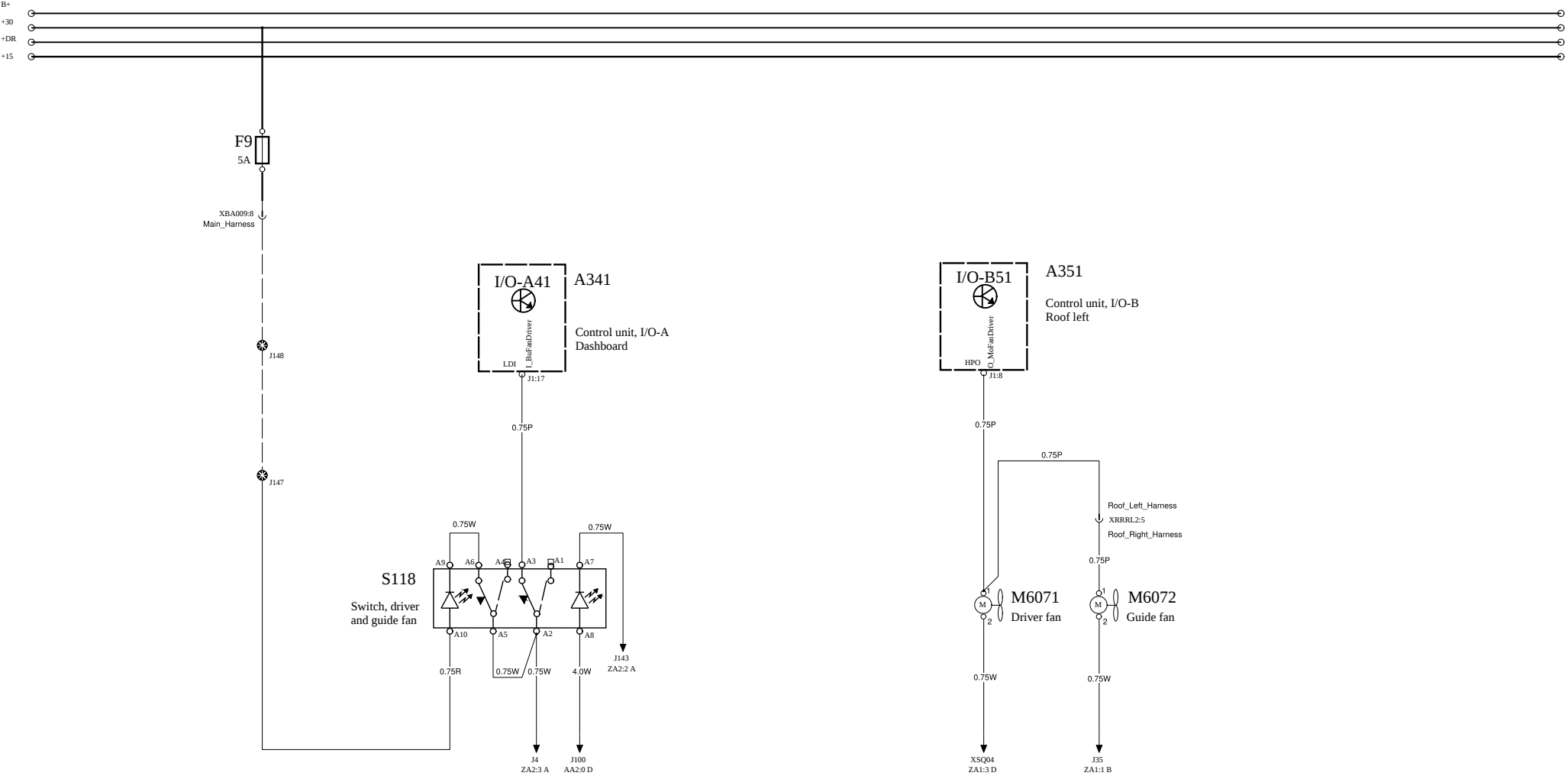
# AUXILIARY HEATER

# WIRING DIAGRAM HC1



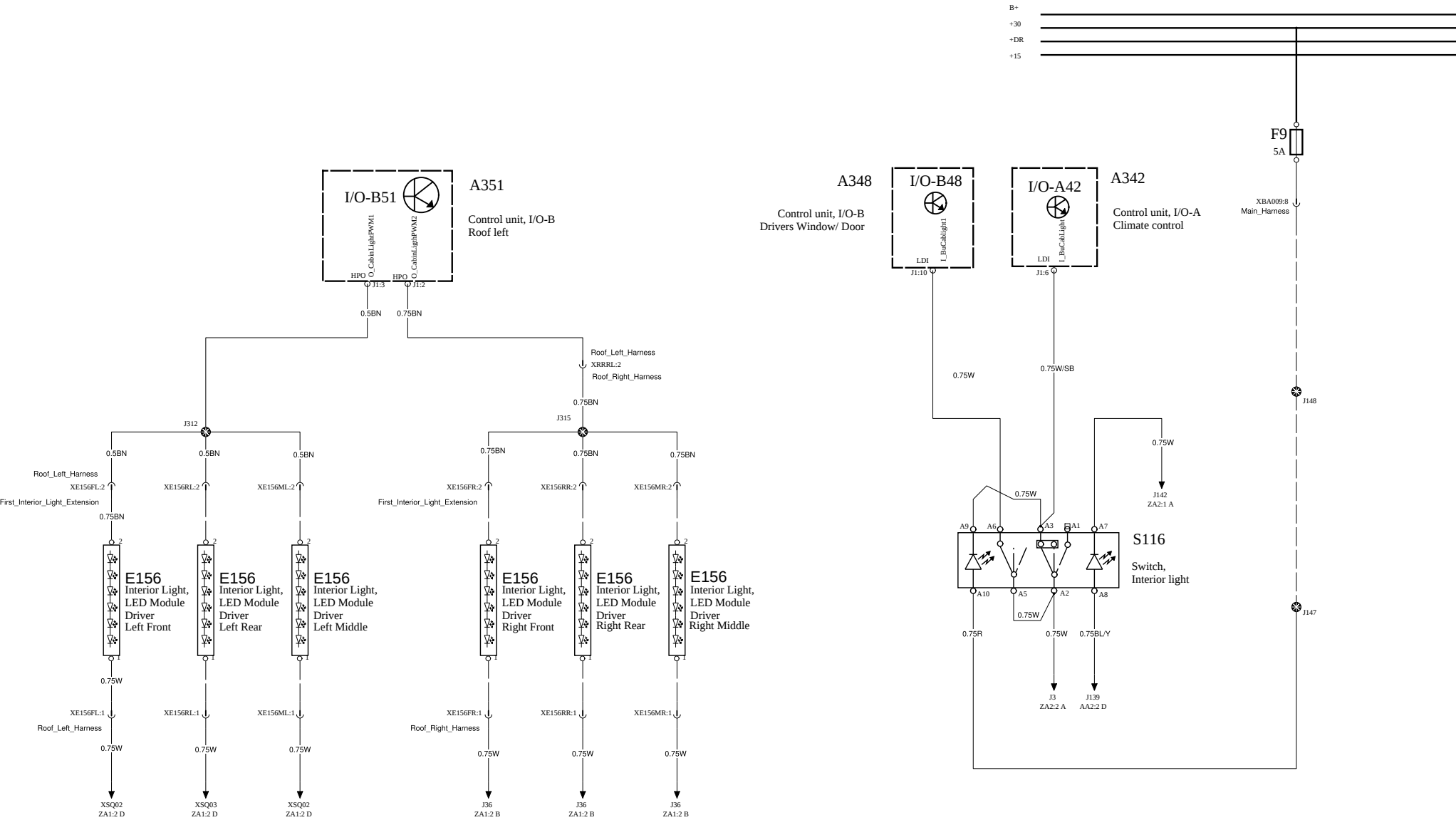
DRIVER AND GUIDE FAN

WIRING DIAGRAM HE1



CABIN LIGHT

WIRING DIAGRAM IA1A



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WIRING DIAGRAM

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PRODUCT SCHEMATIC

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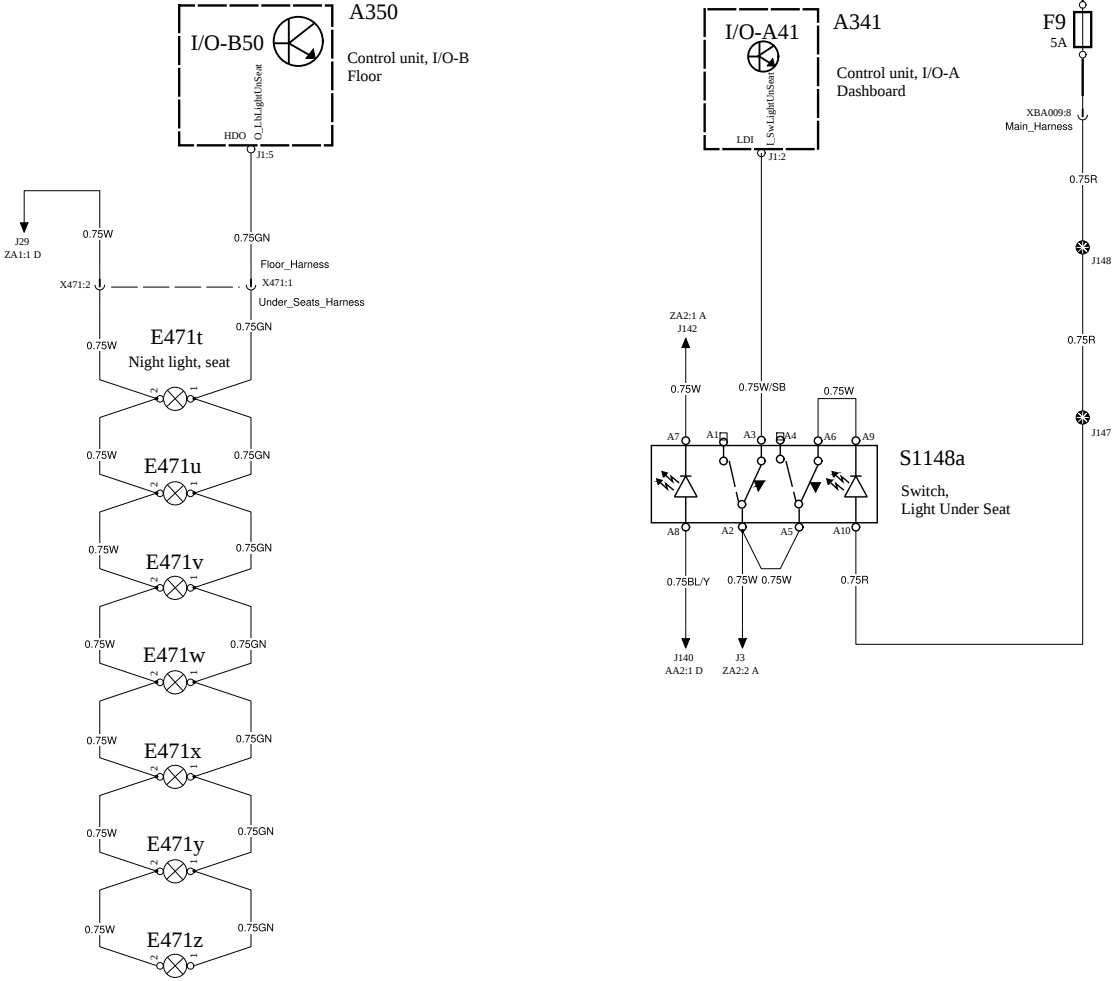
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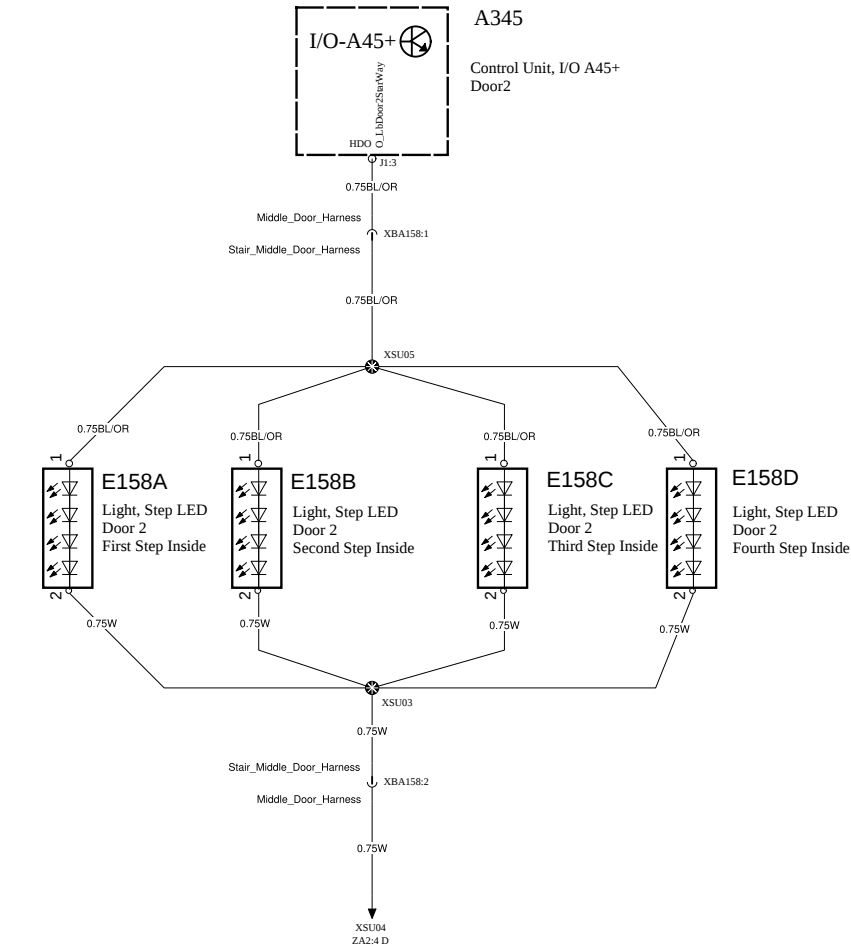
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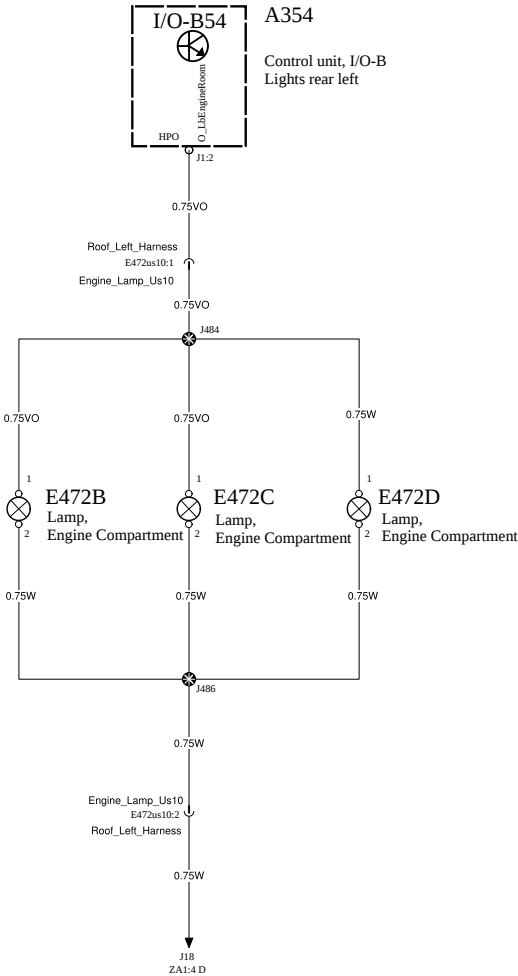
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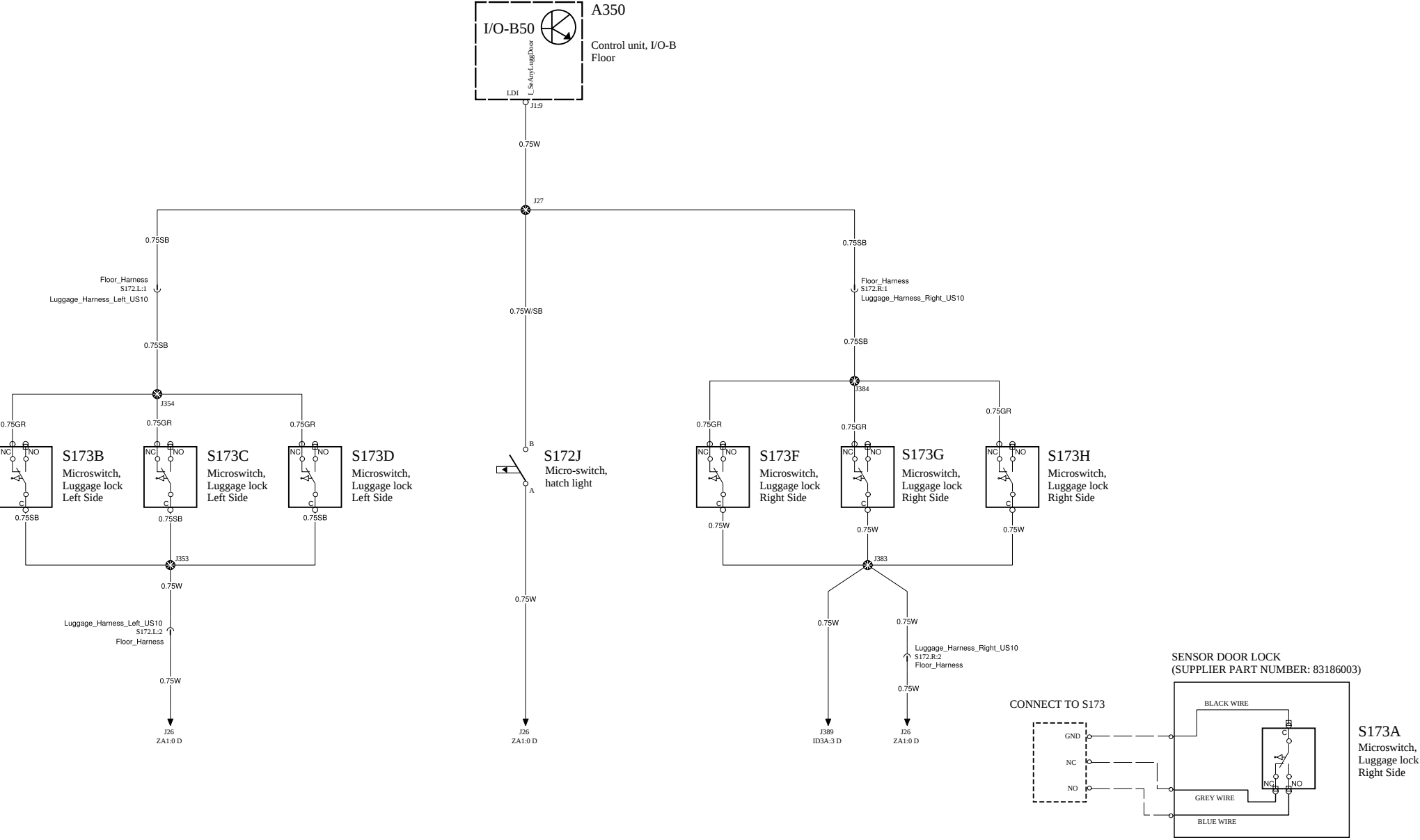
LIGHTS UNDER SEATS

WIRING DIAGRAM IB1



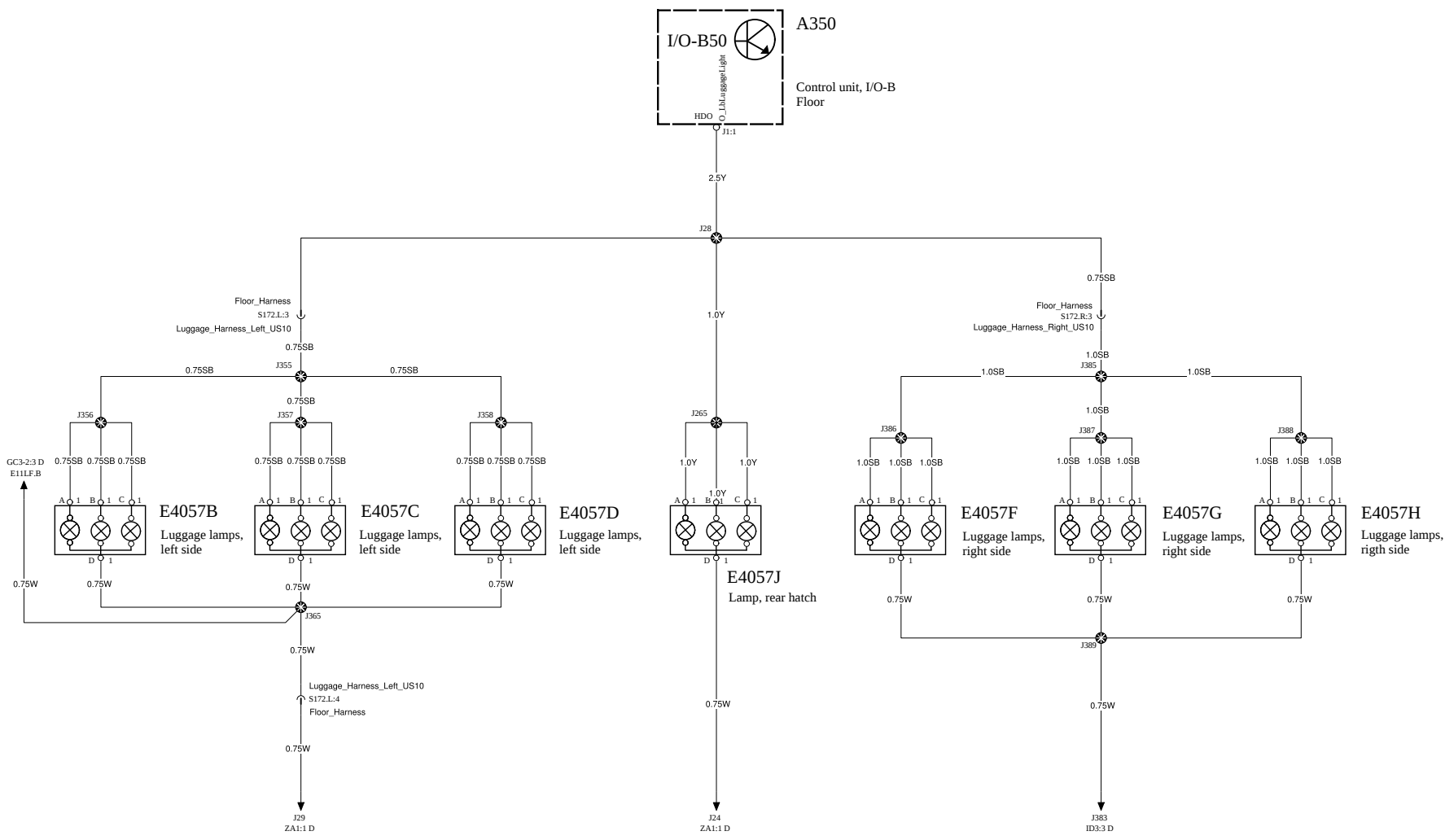


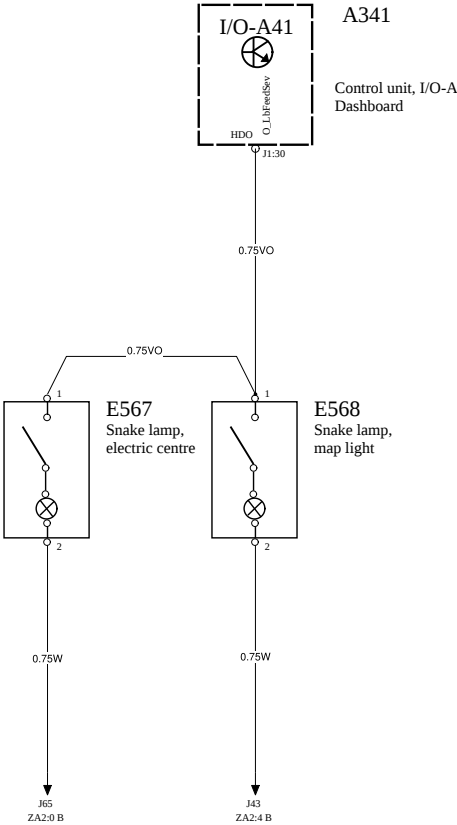




LUGGAGE LIGHTS

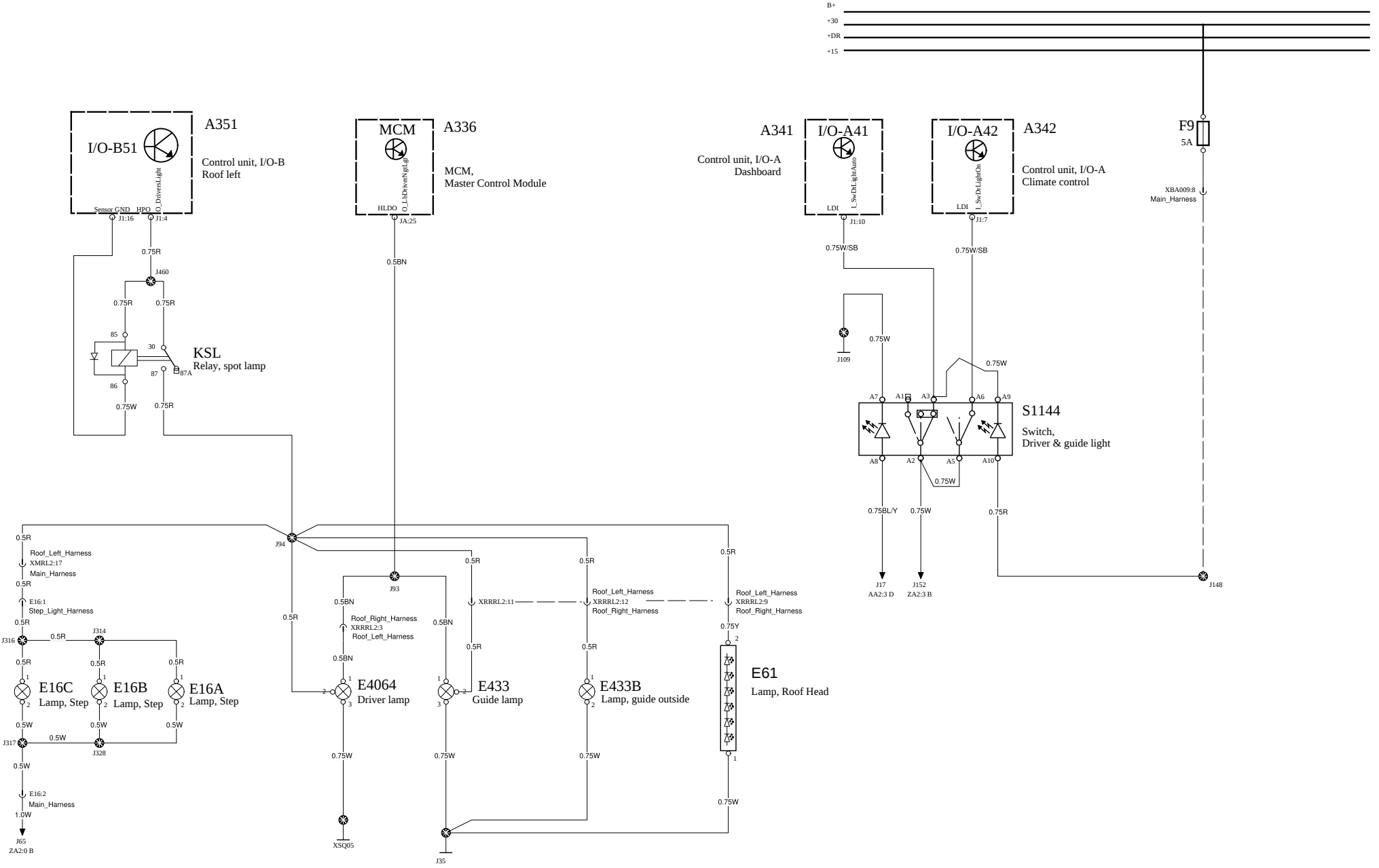
WIRING DIAGRAM ID3A





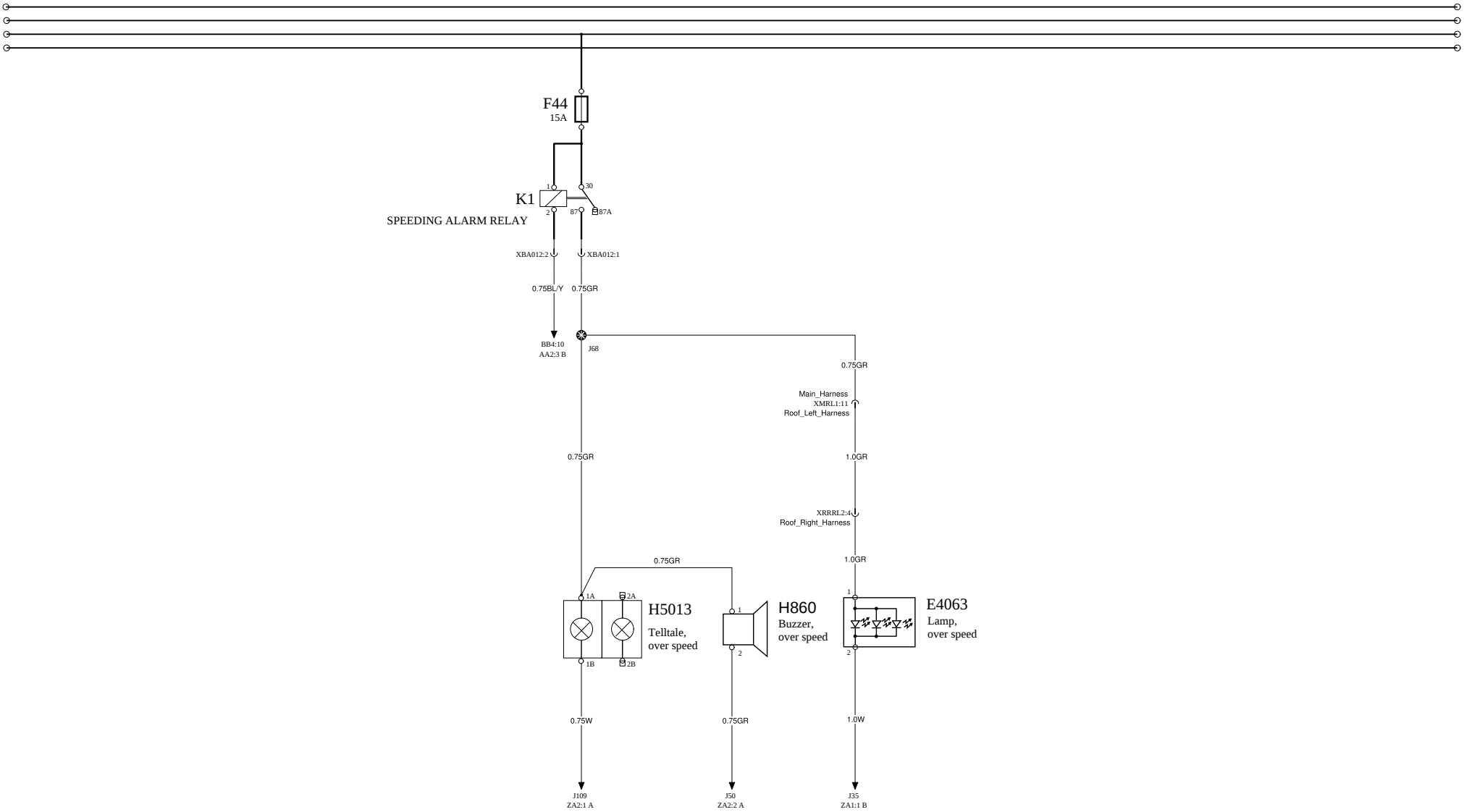
DRIVER LIGHTS

WIRING DIAGRAM IE3



SPEEDING ALARM

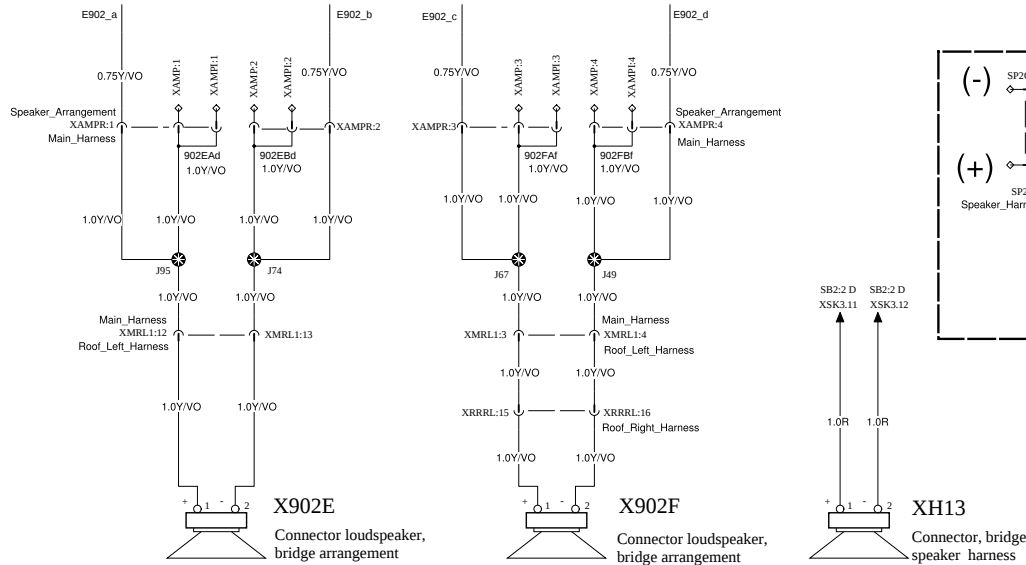
WIRING DIAGRAM IF1



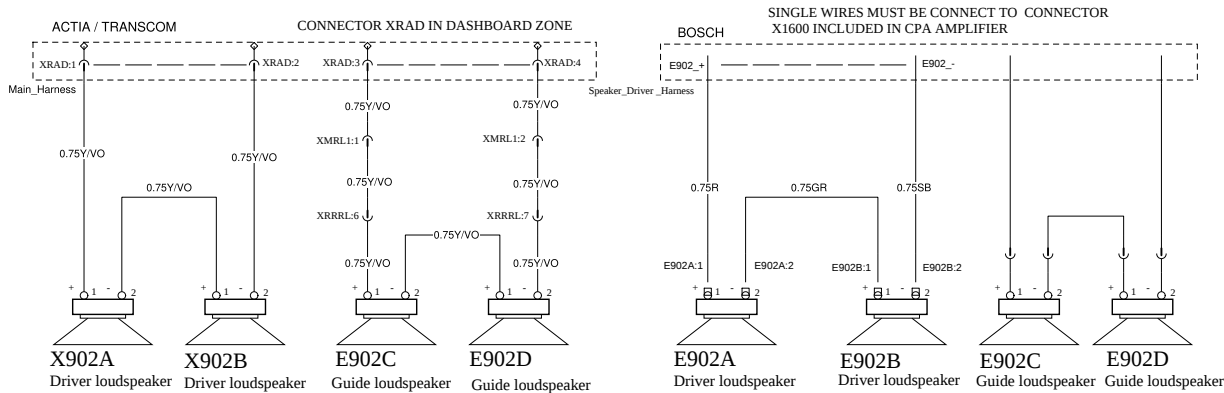
LOUDSPEAKERS

WIRING DIAGRAM JA1A

CABIN AREA

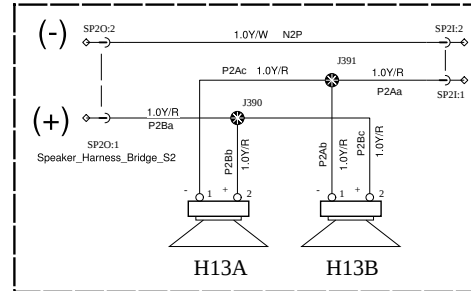


DRIVER AREA

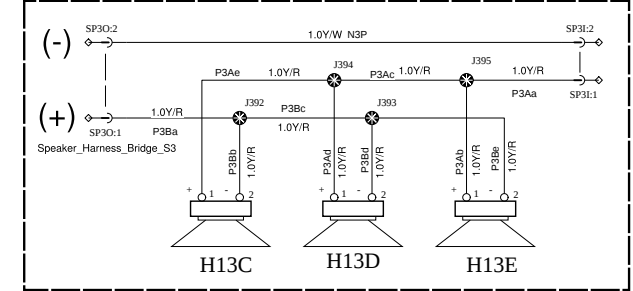


LOUDSPEAKER'S BRIDGES  
BY ENVIRONMENTAL SOUND

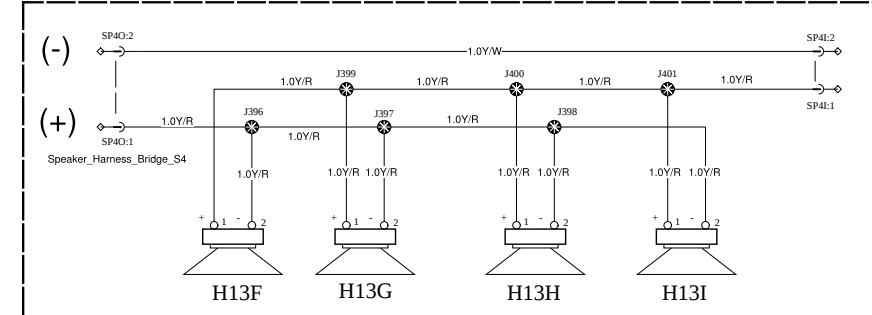
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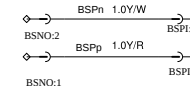
ARRANGEMENT TYPE 2



ARRANGEMENT TYPE 3



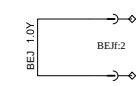
BRIDGE A



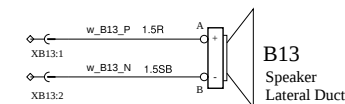
BRIDGE B (WCL & DL-110)

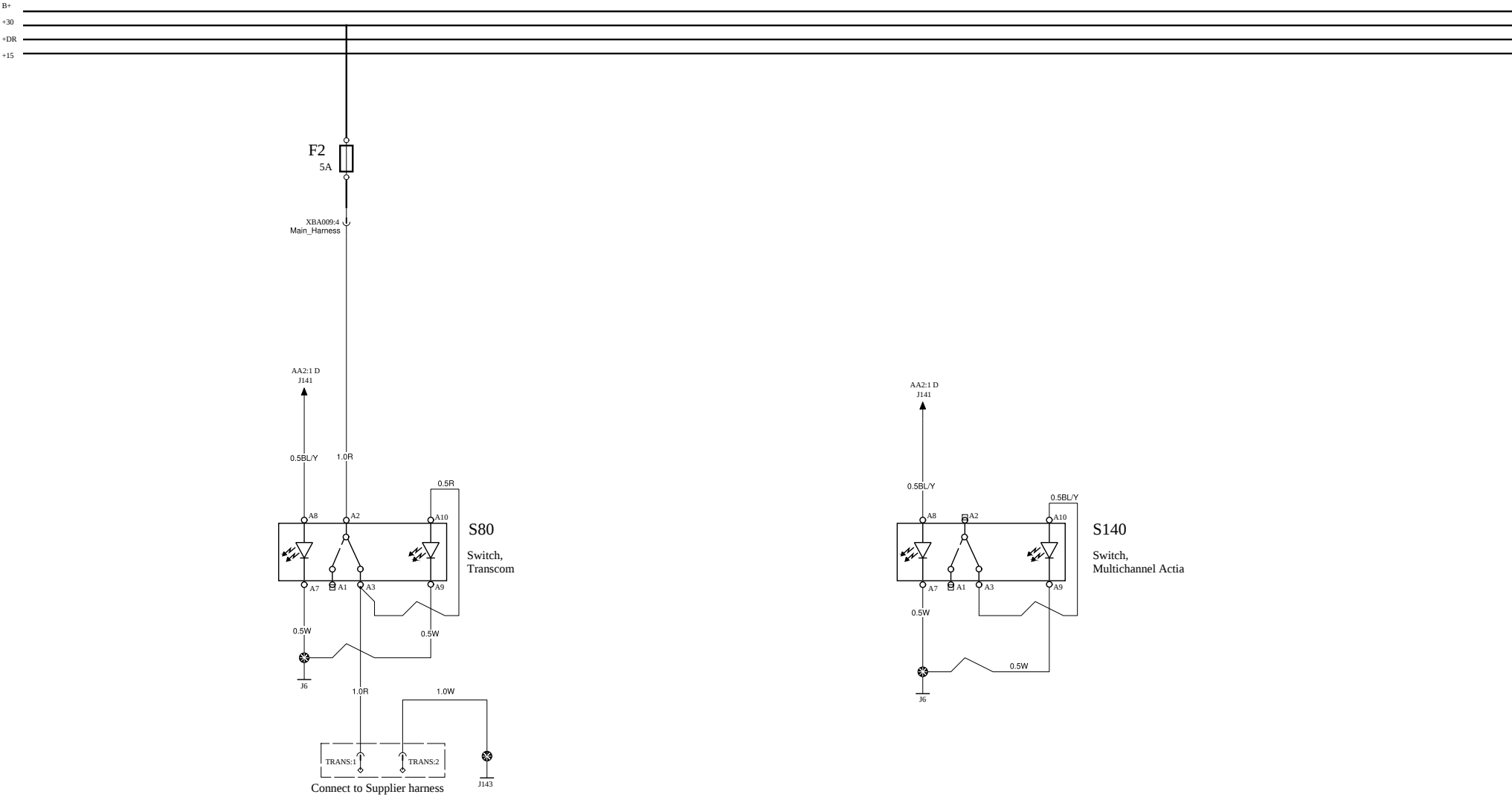


BRIDGE END JOINT



SERVICE KIT PCB TO SPEAKER





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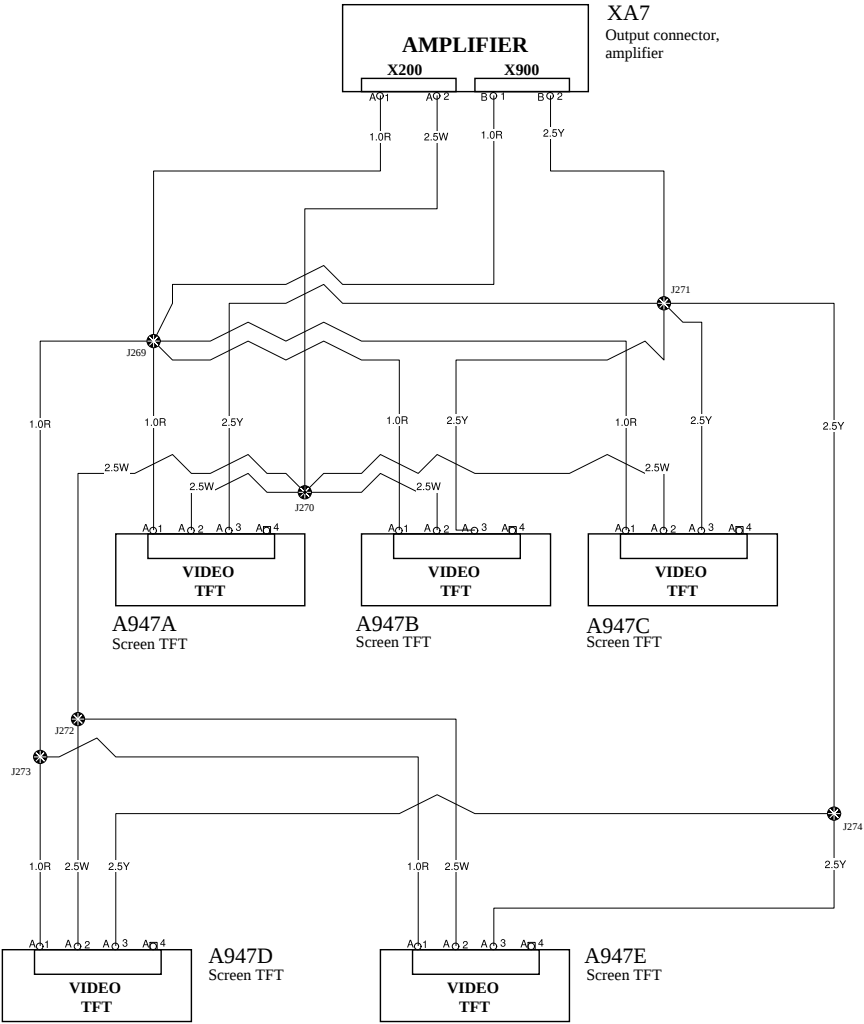
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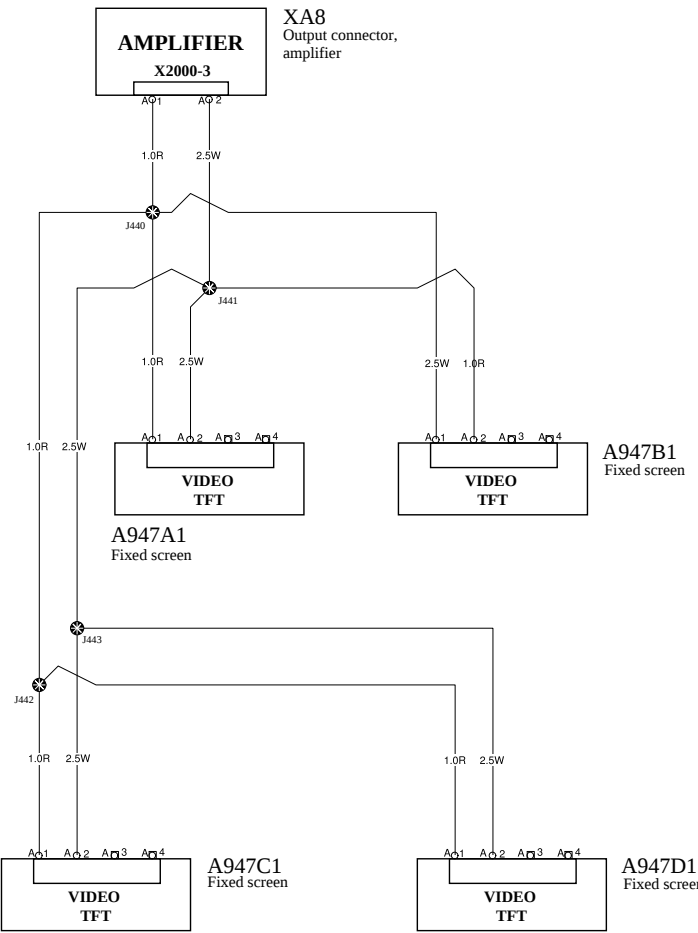
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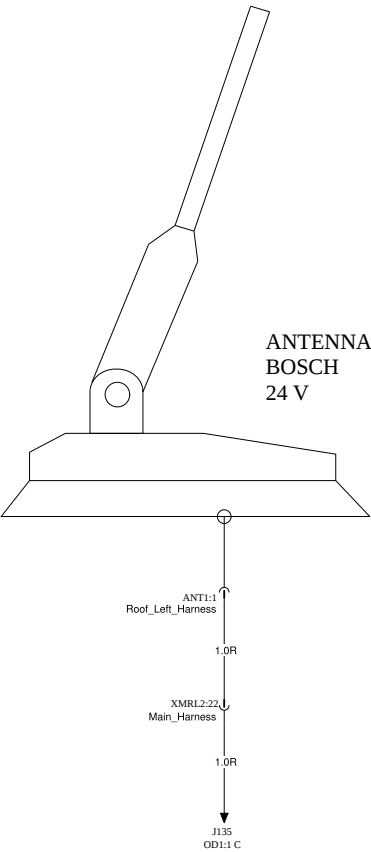
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3

4

ANTENNA'S SATELLITE MODULES FEEDING 127 v



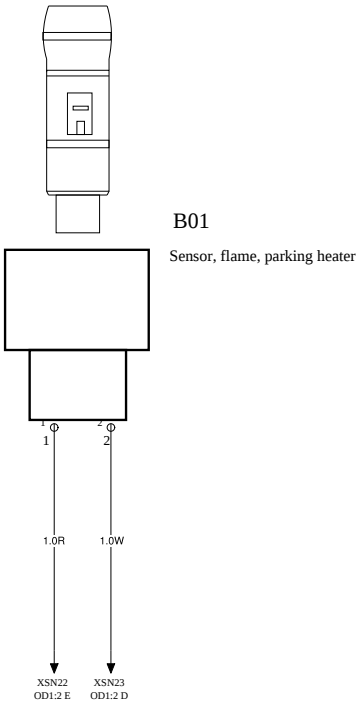
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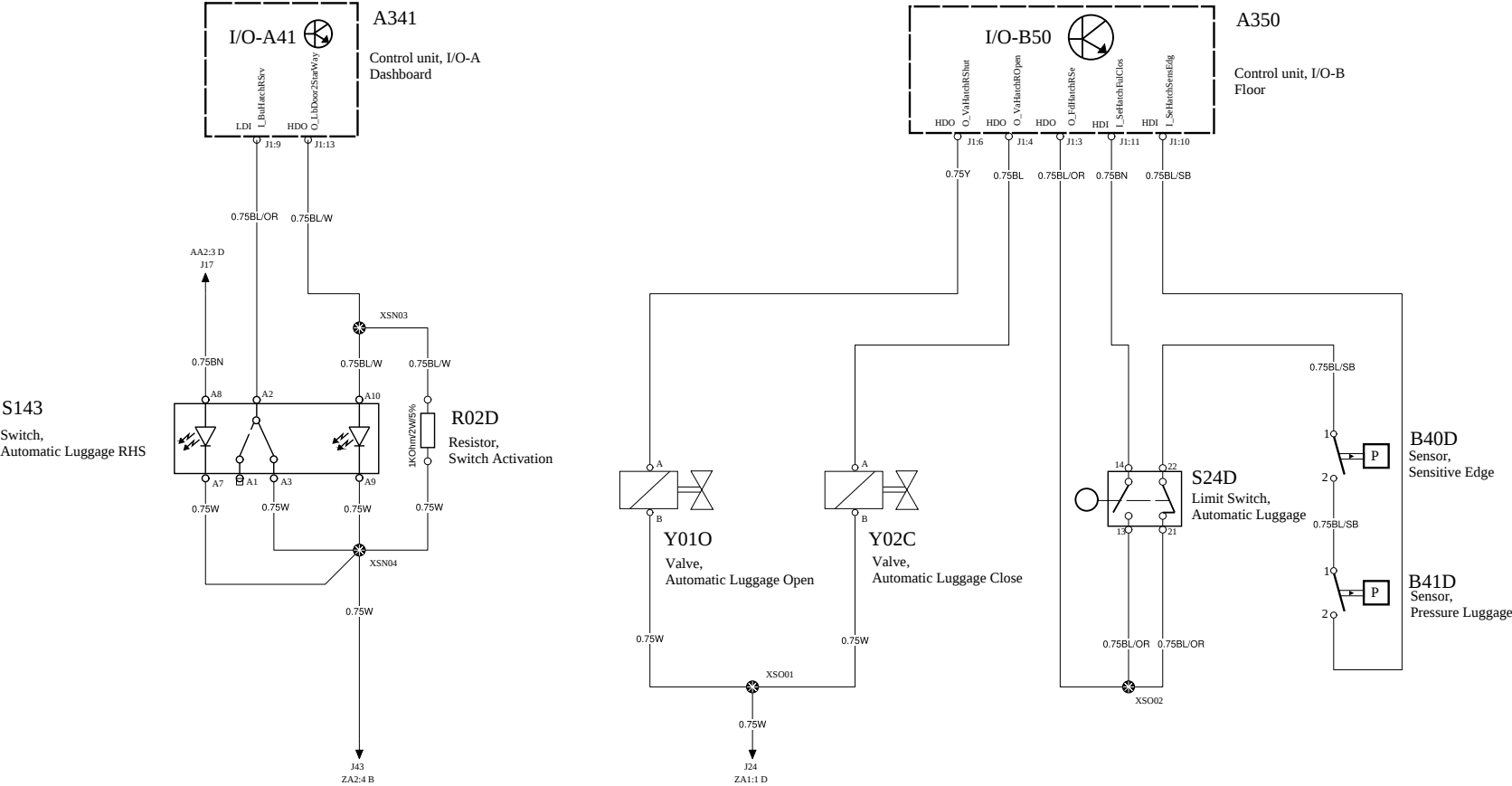
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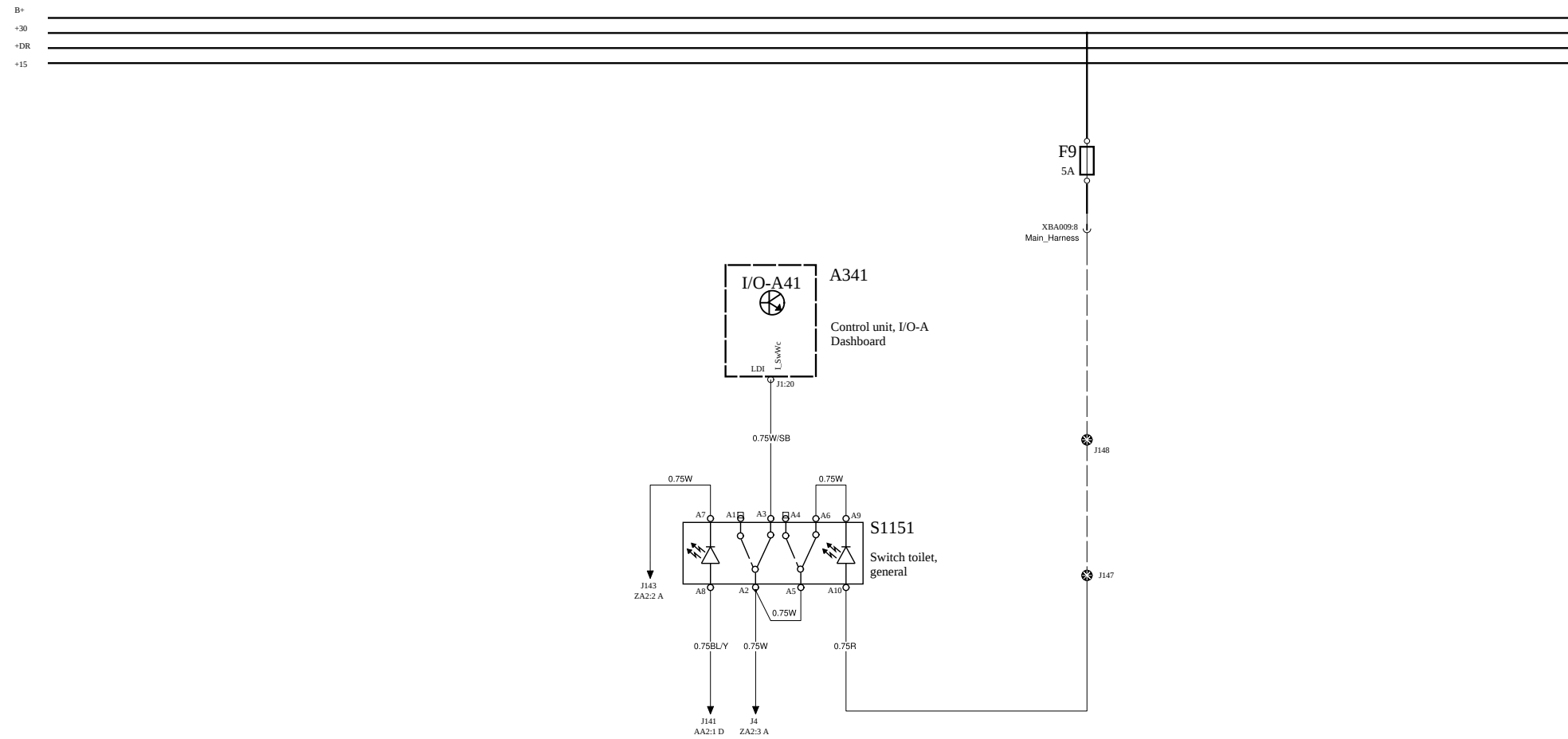
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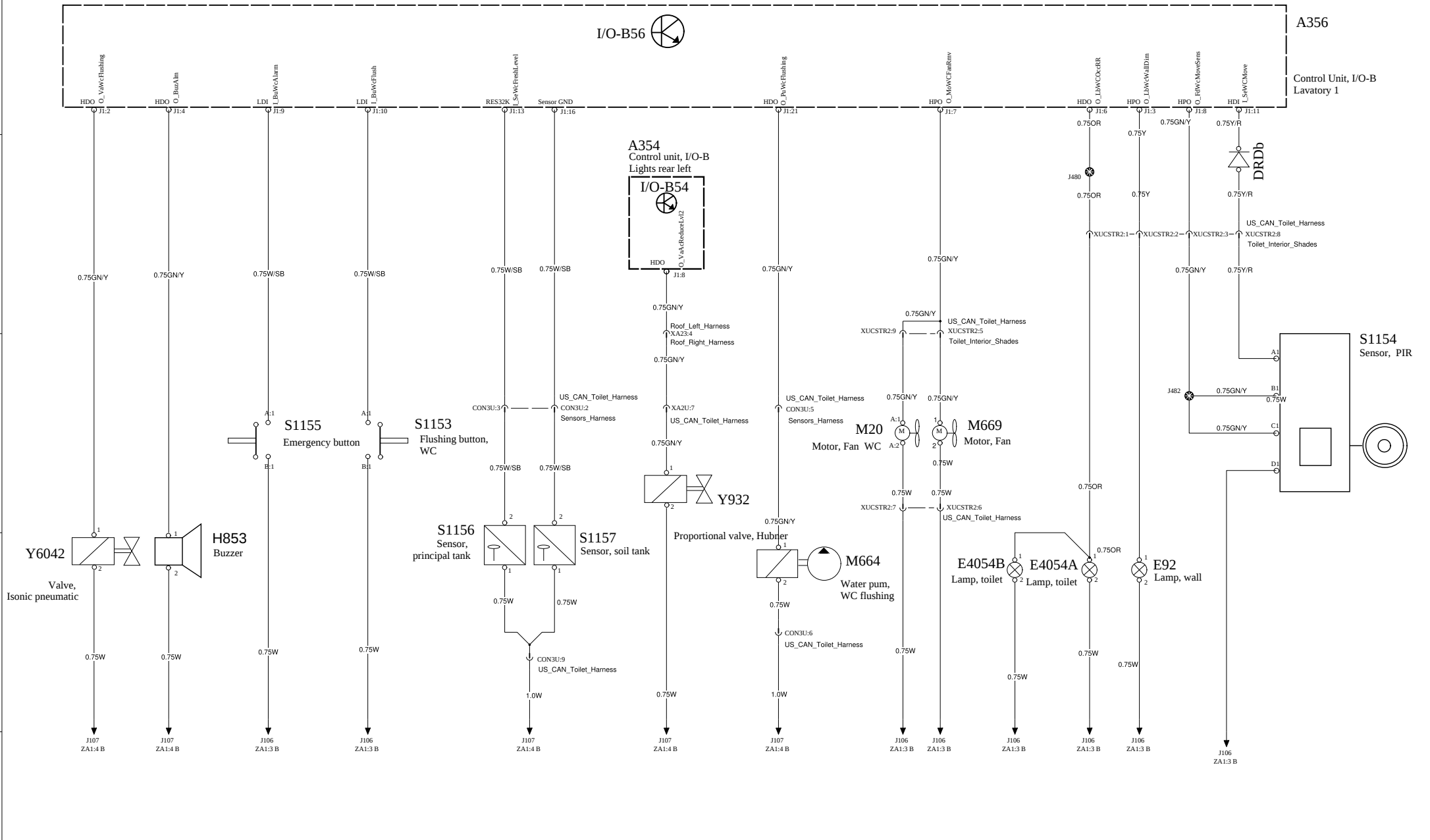




TOILET ACTIVATION SWITCH

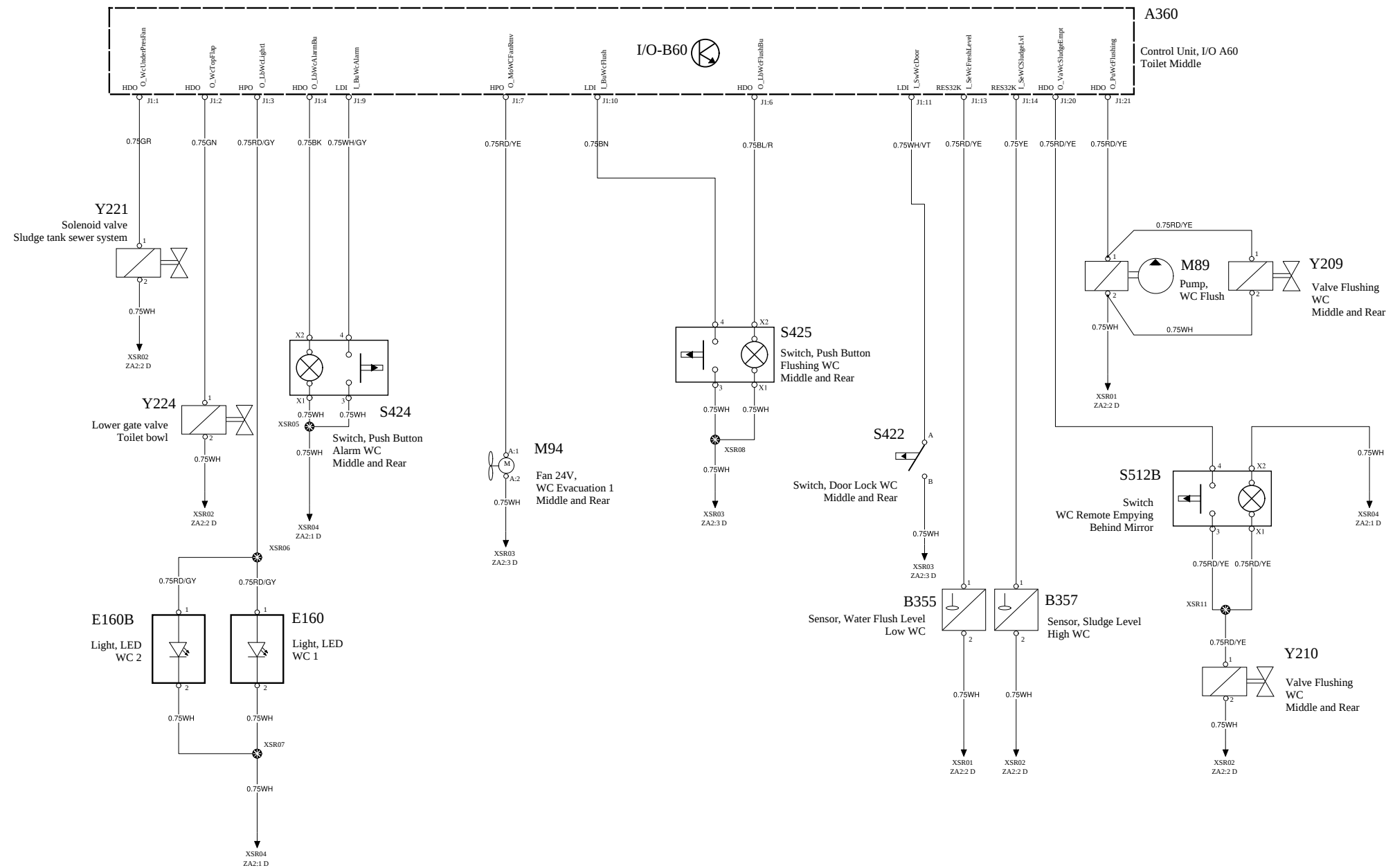
WIRING DIAGRAM OA1-3

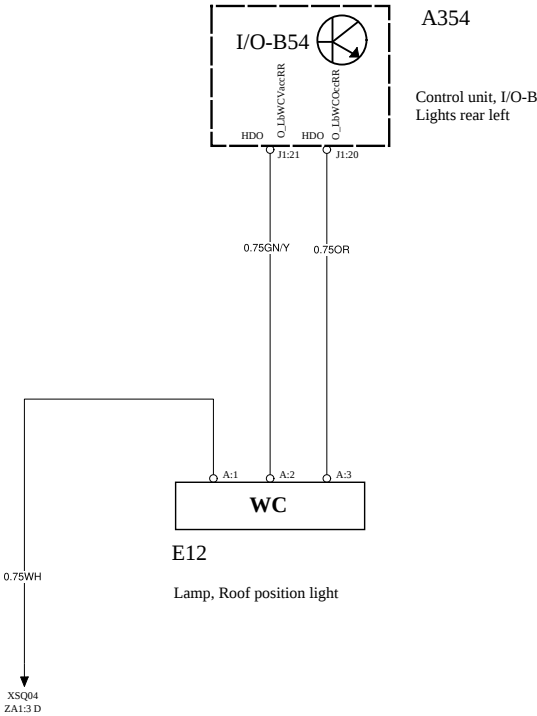




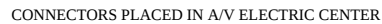
MIDDLE TOILET

WIRING DIAGRAM OA2-2



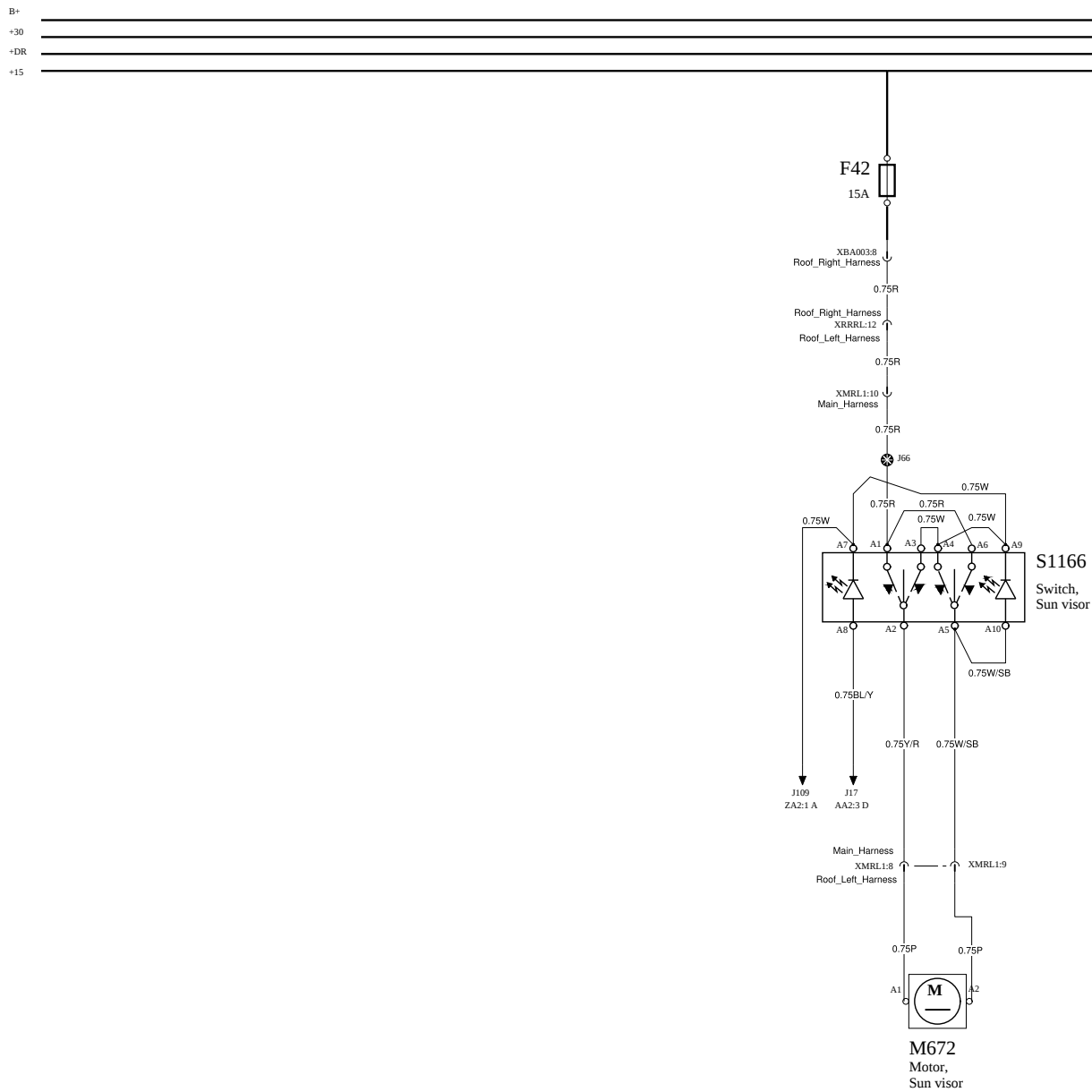


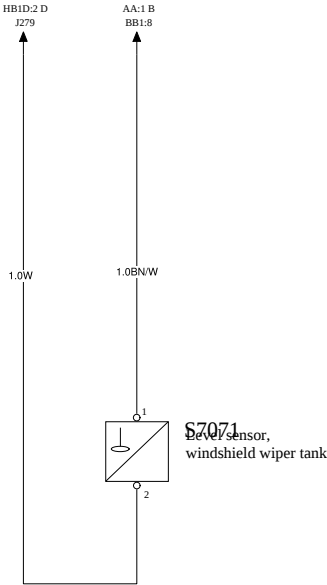
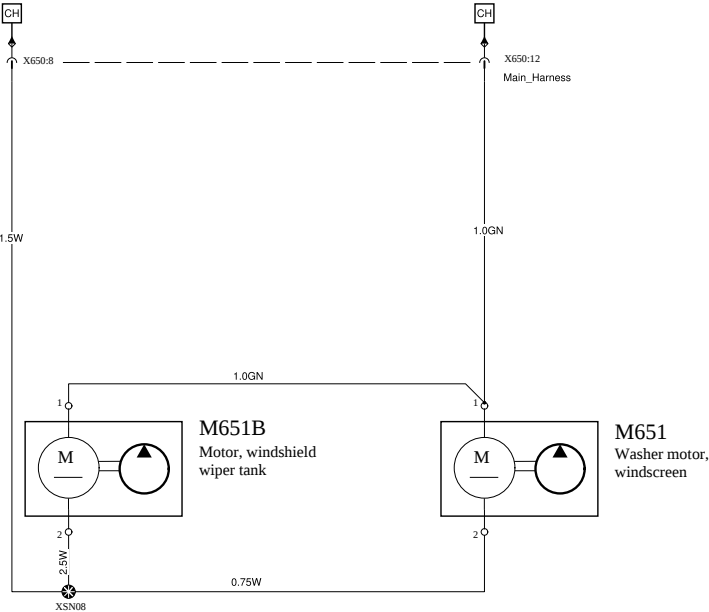
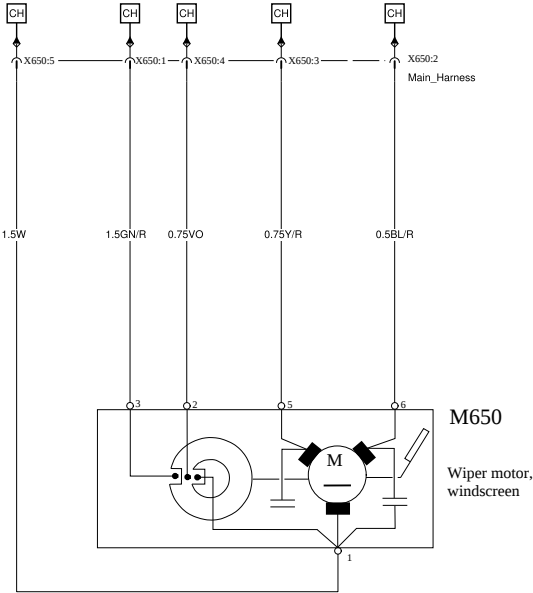
## WIRING DIAGRAM OD1



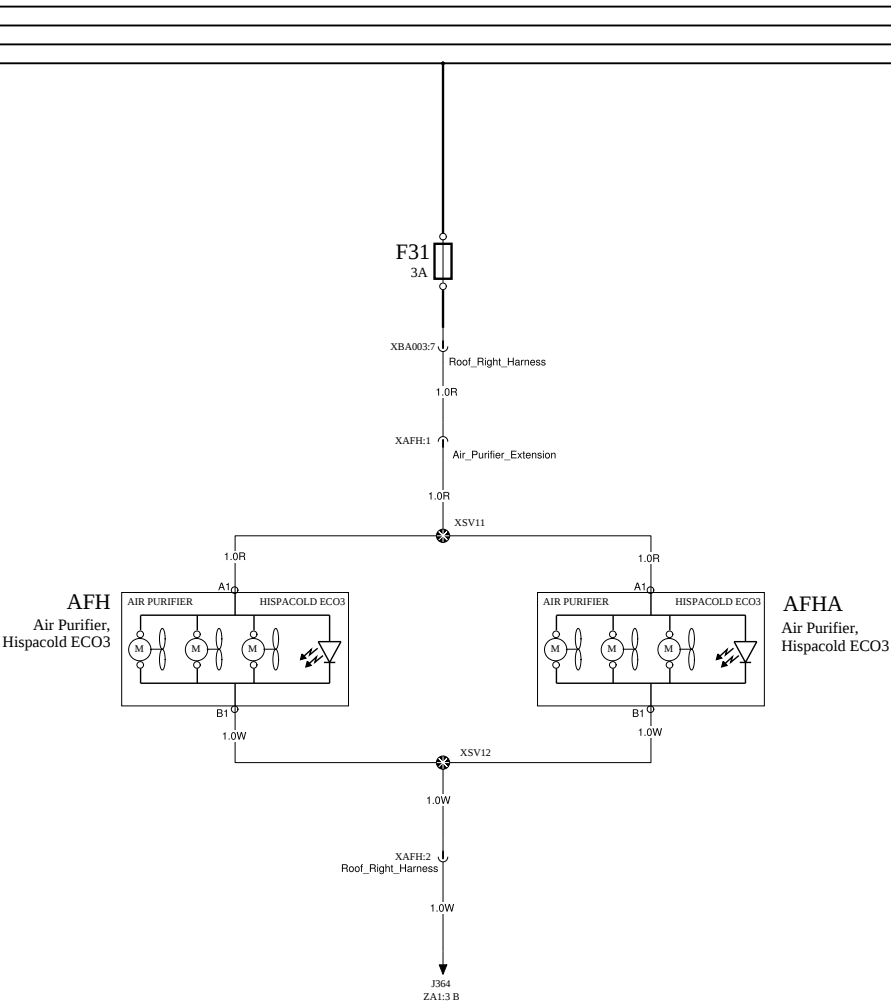
## ELECTRICAL SUN VISOR

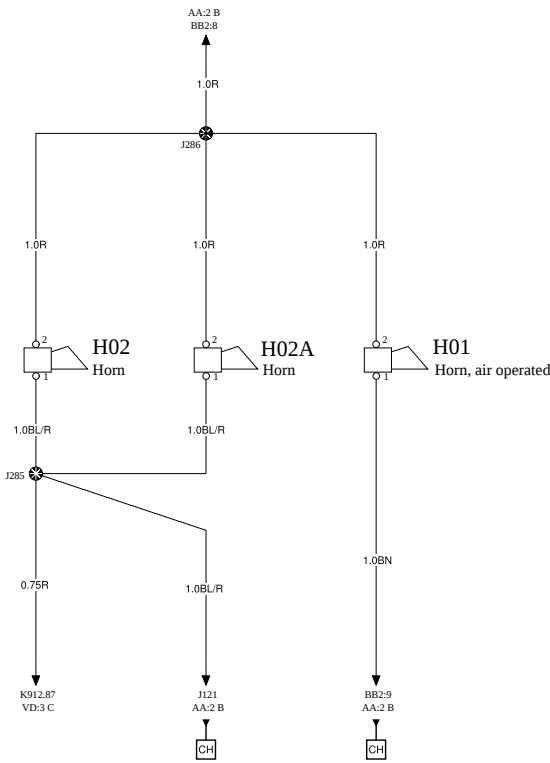
## WIRING DIAGRAM OJ2











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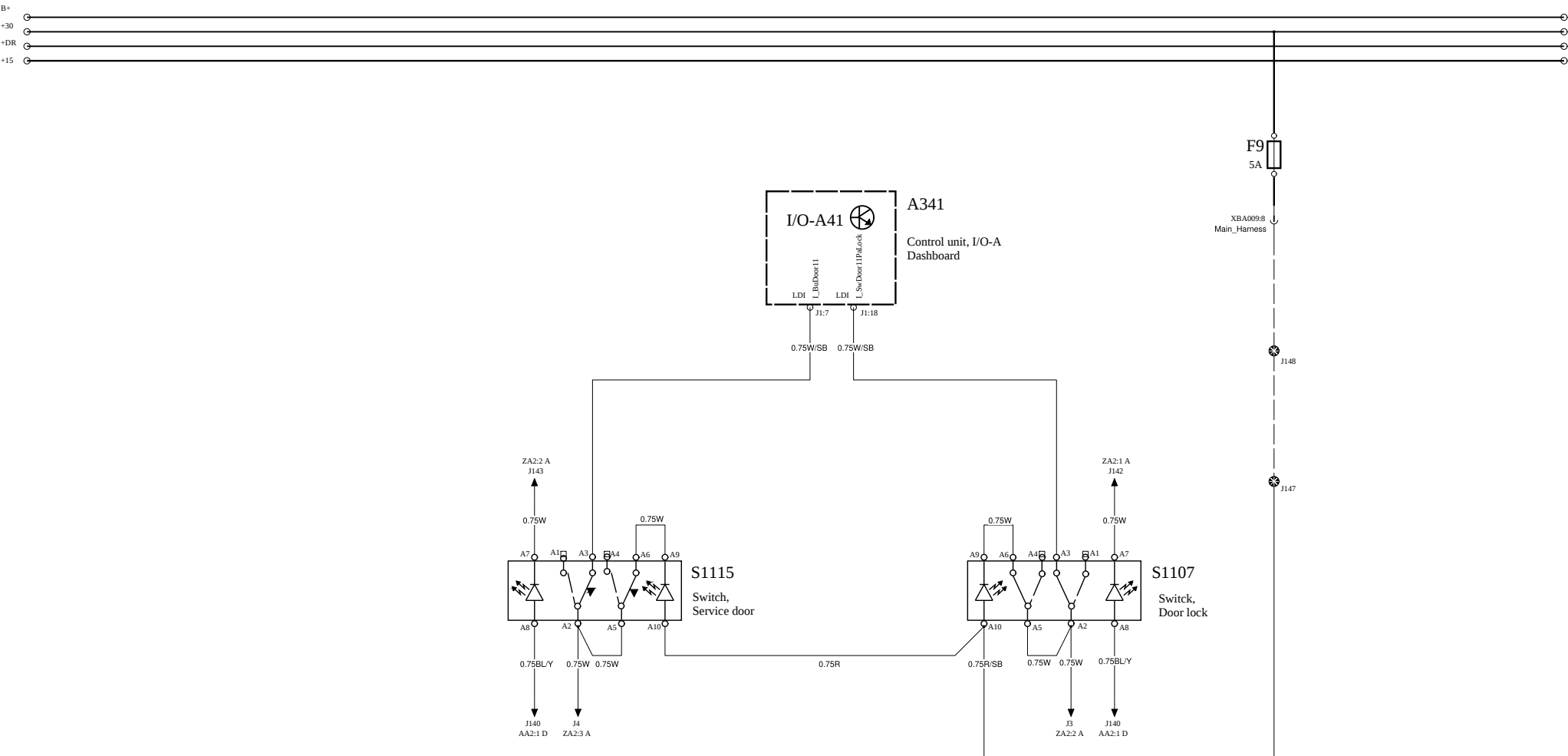
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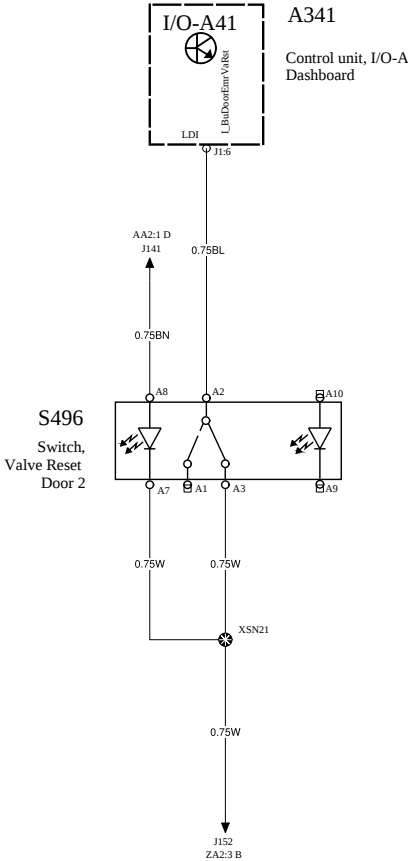
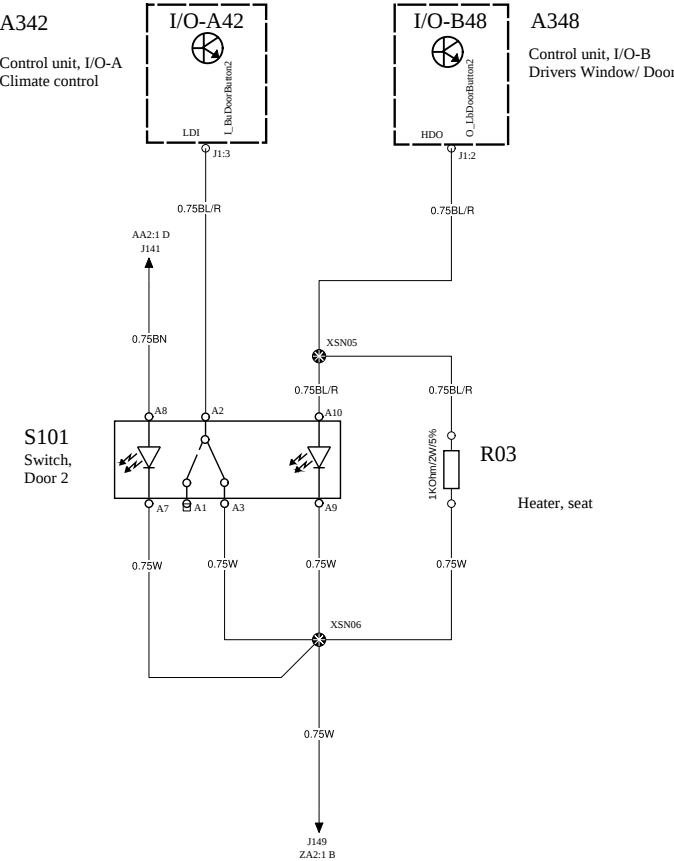
DOOR 1 OPERATING BUTTONS

WIRING DIAGRAM PA1



DOOR 2 OPERATING BUTTONS

WIRING DIAGRAM PA2



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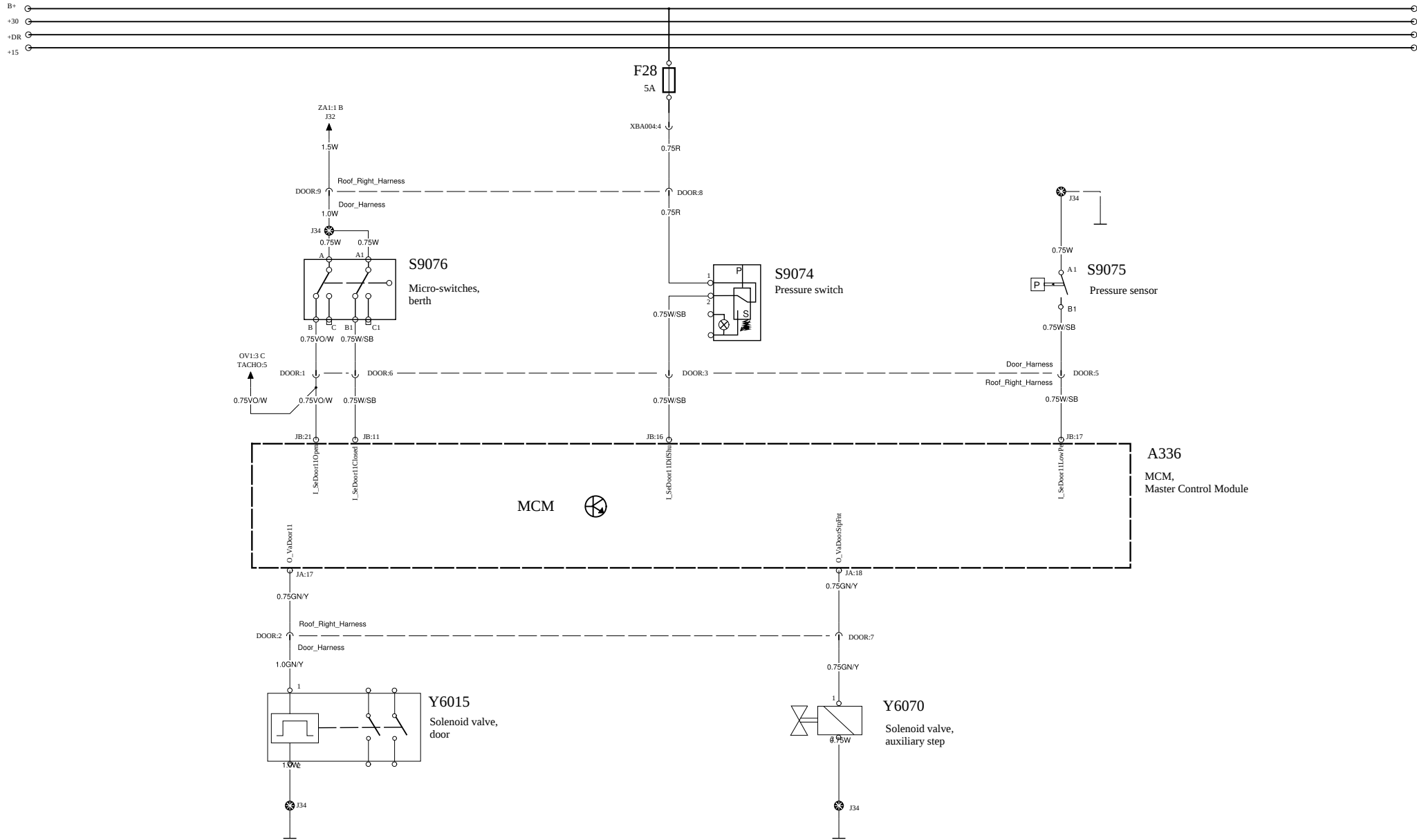
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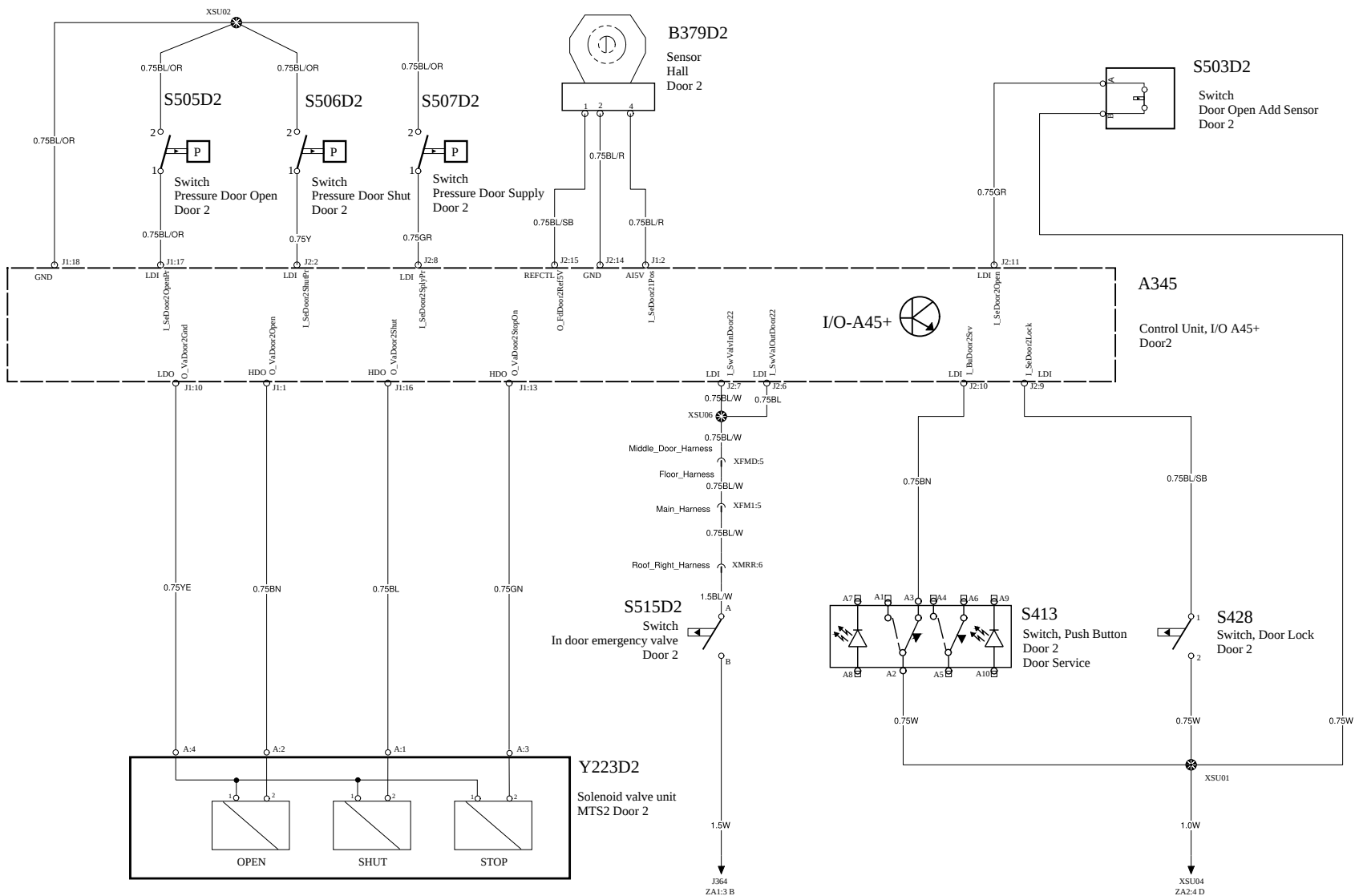
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FRONT DOOR

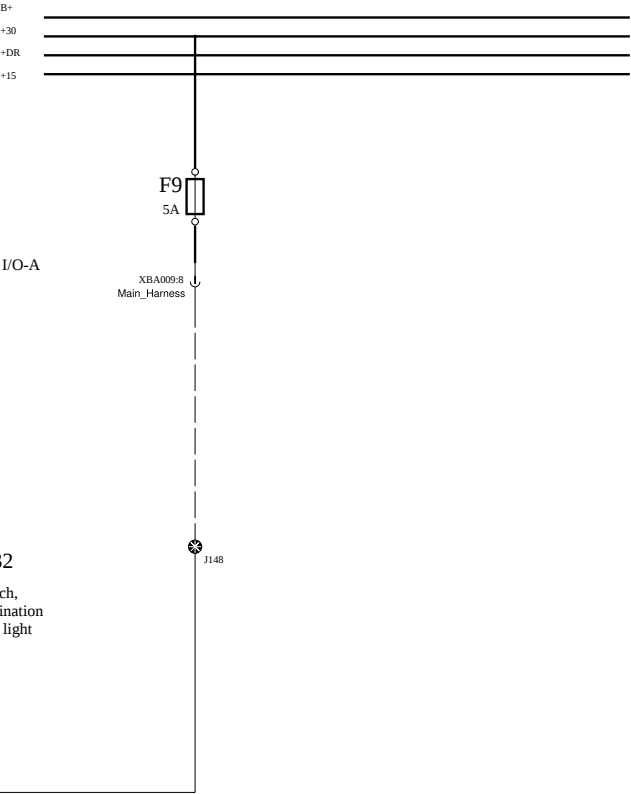
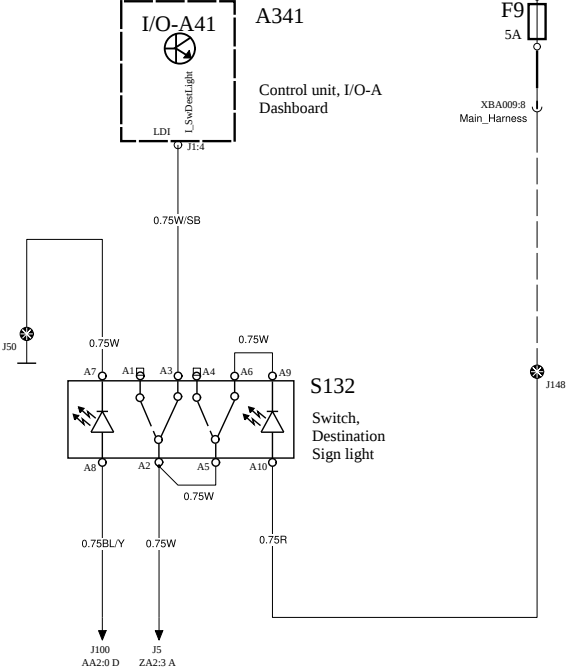
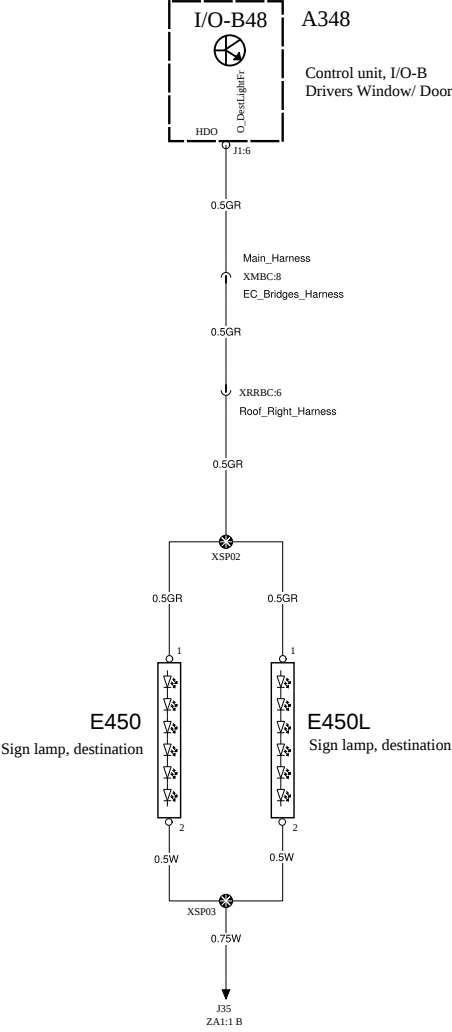
WIRING DIAGRAM PB2A





DESTINATION SIGN

WIRING DIAGRAM SA



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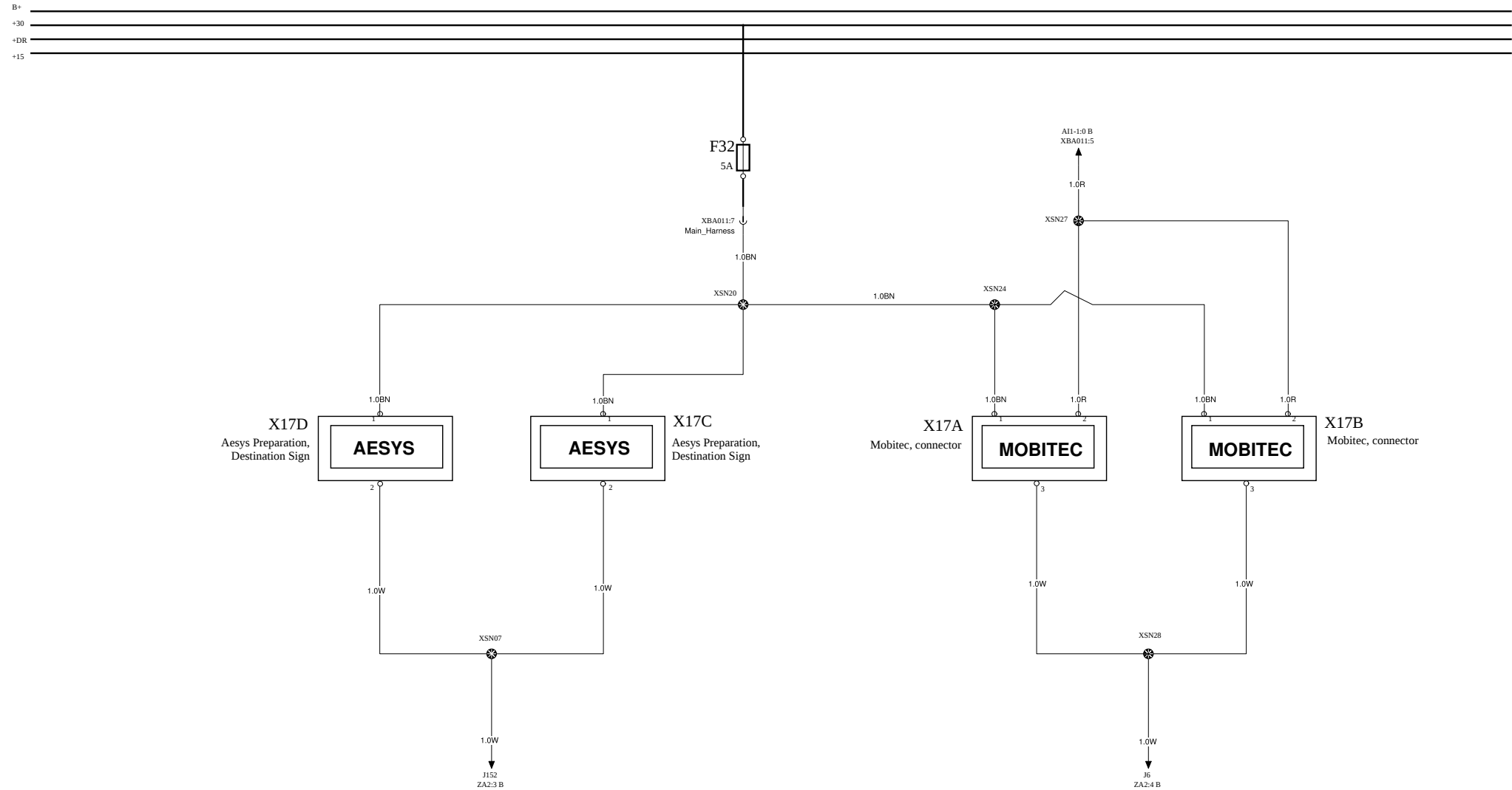
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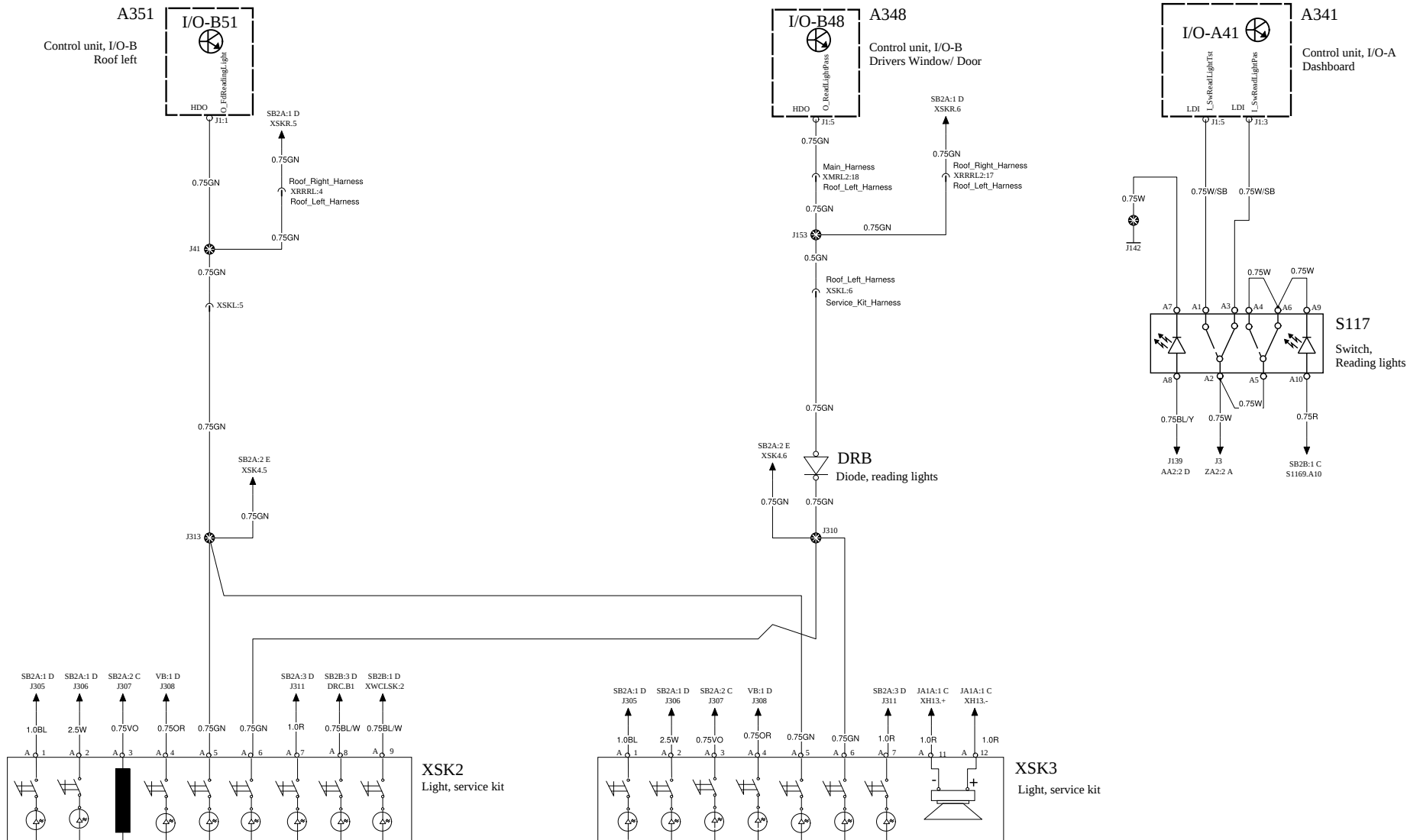
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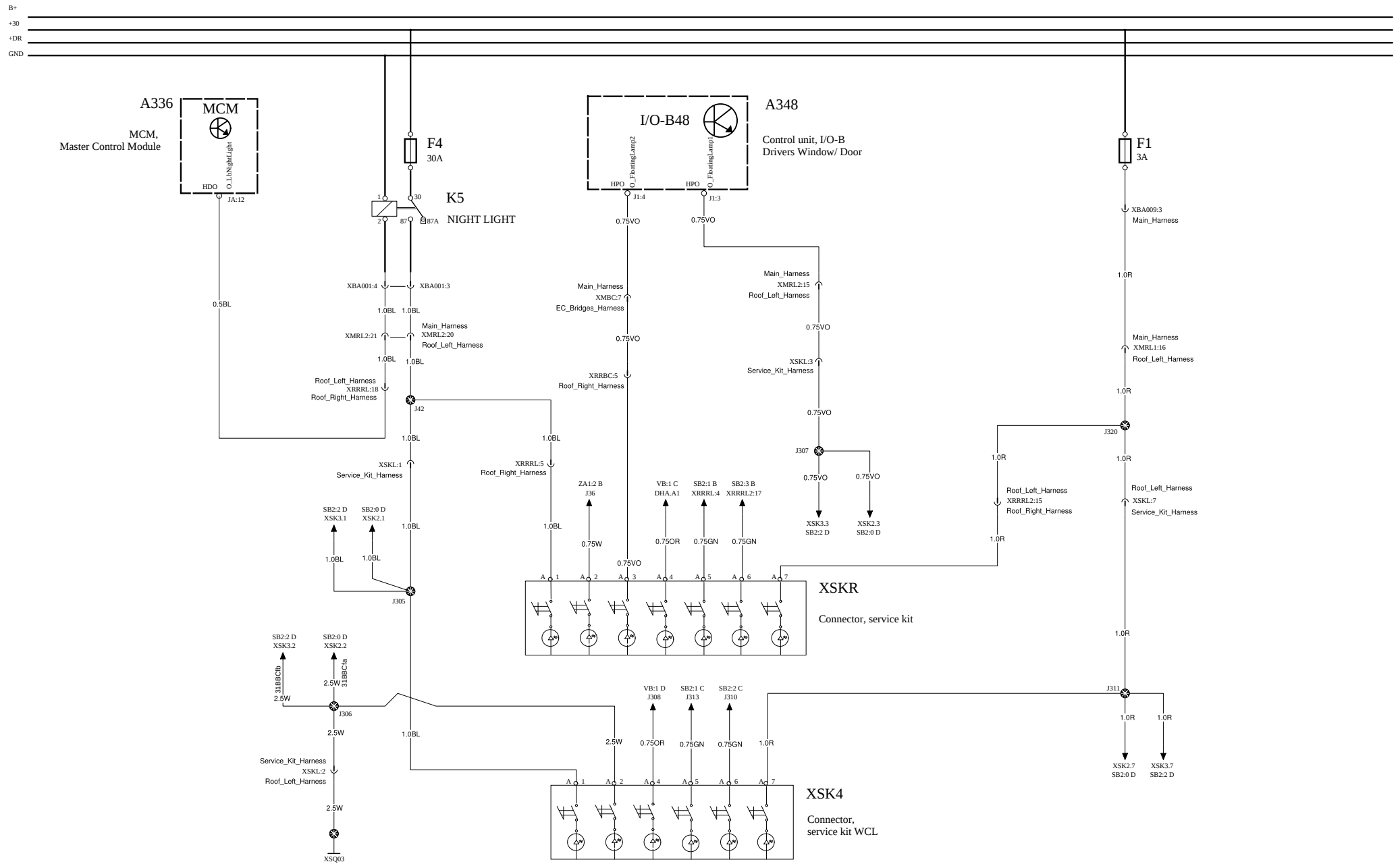
# READING LIGHTS

# WIRING DIAGRAM SB2



## PASSANGER SERVICE KIT

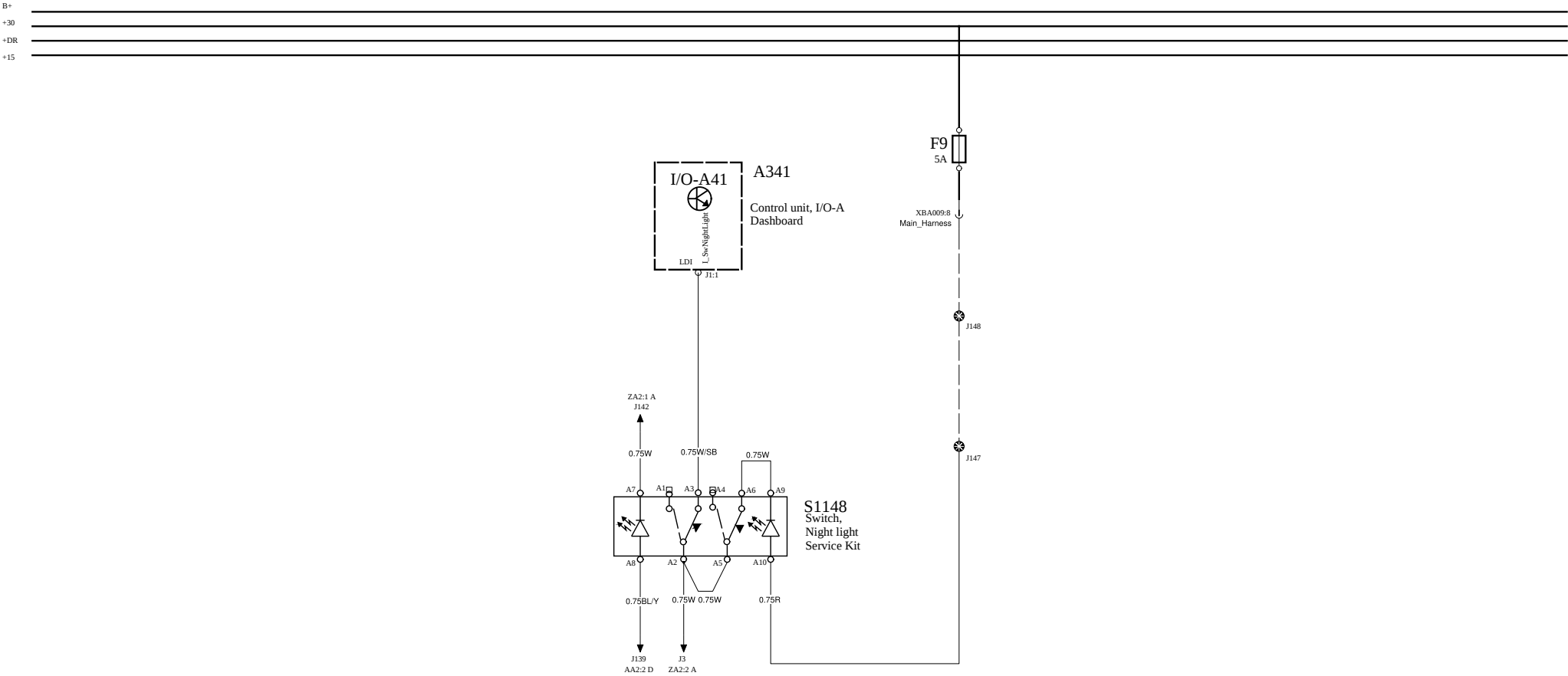
## WIRING DIAGRAM SB2A

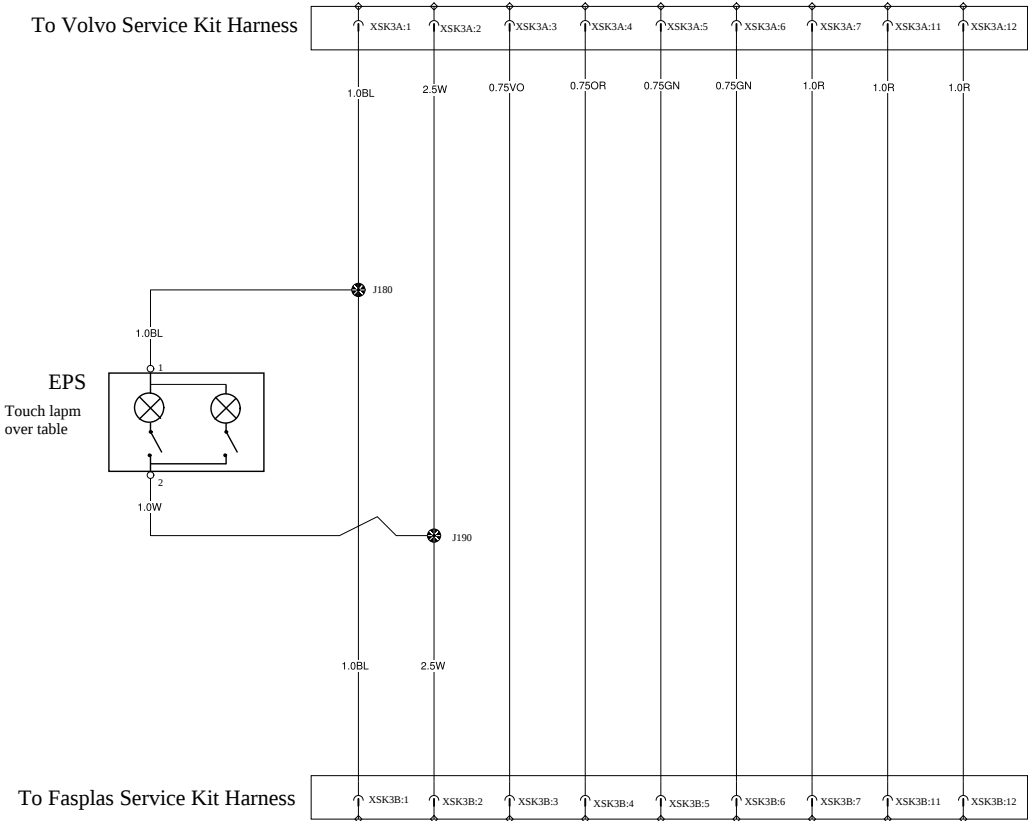




NIGHT LIGHT SWITCH ACTIVATION

WIRING DIAGRAM SB2C







## WIRING DIAGRAM UB1A



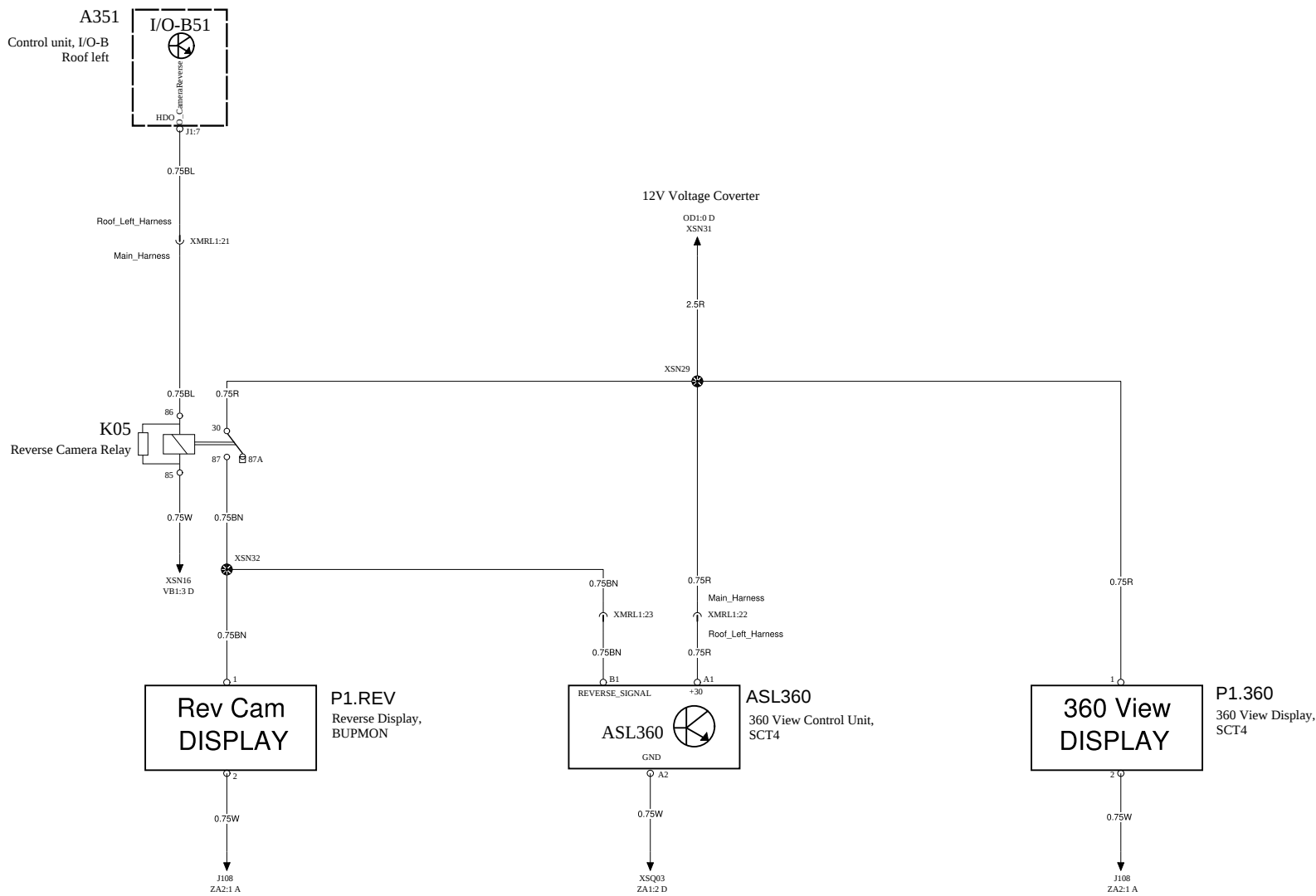
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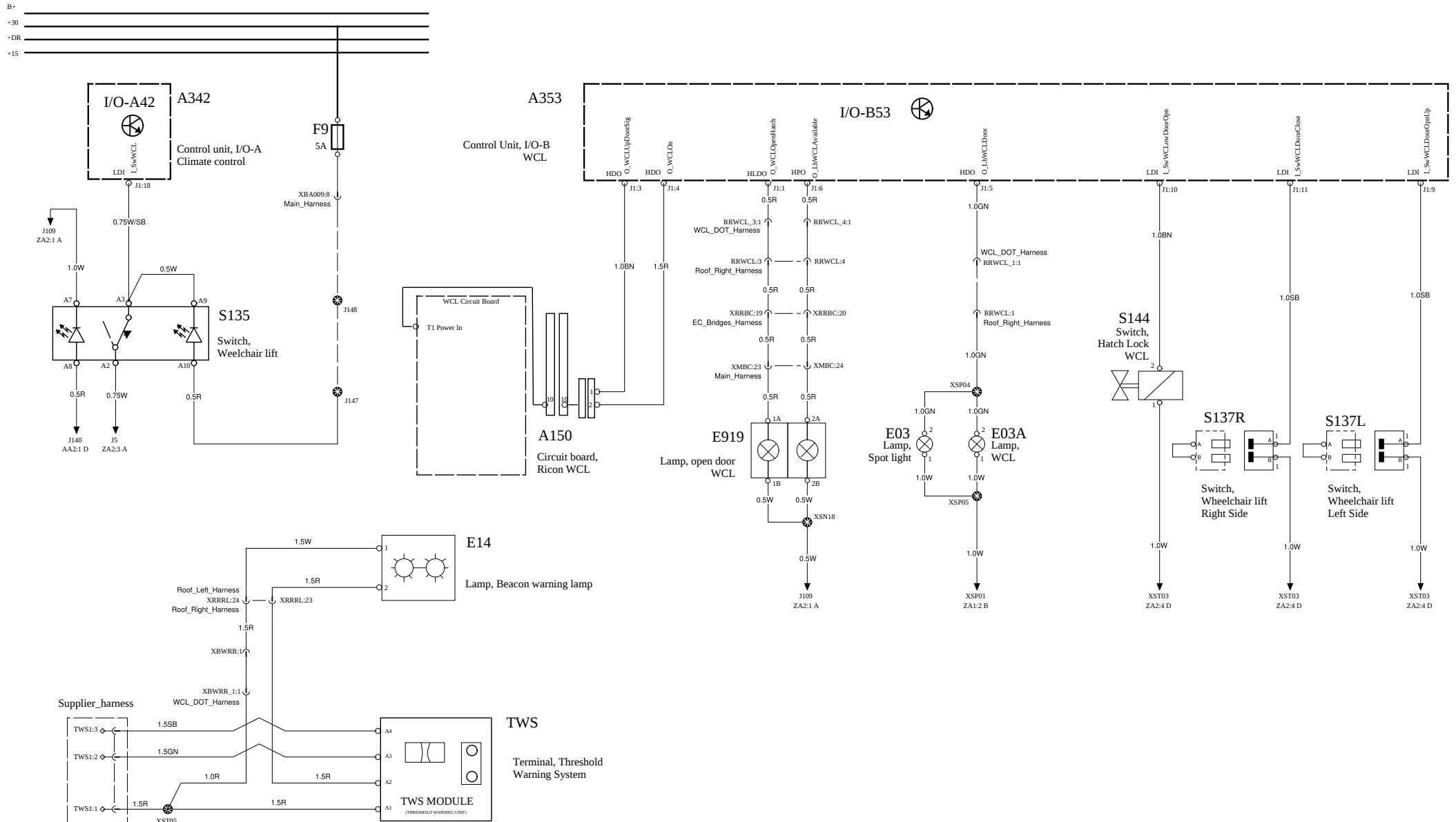
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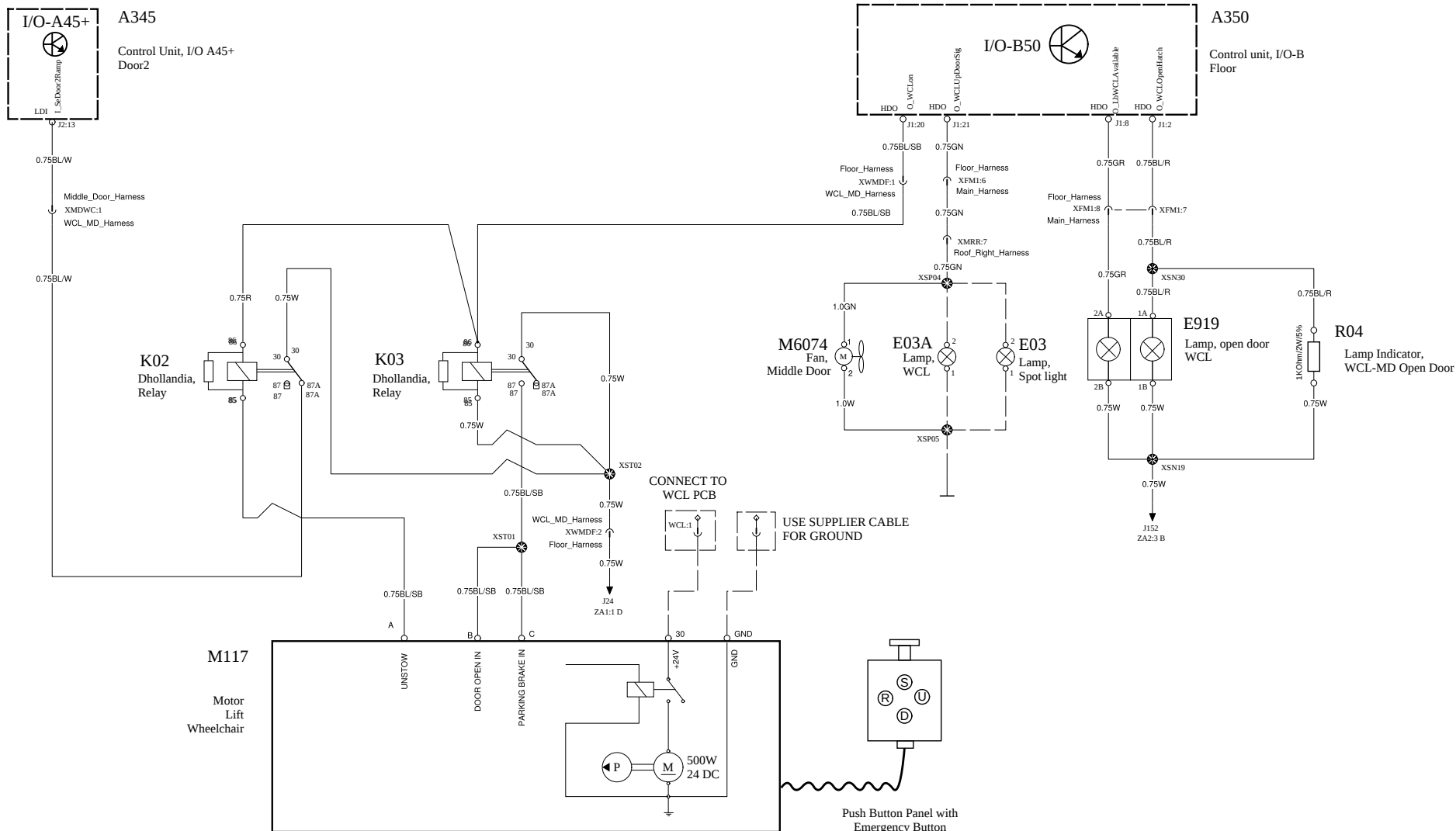
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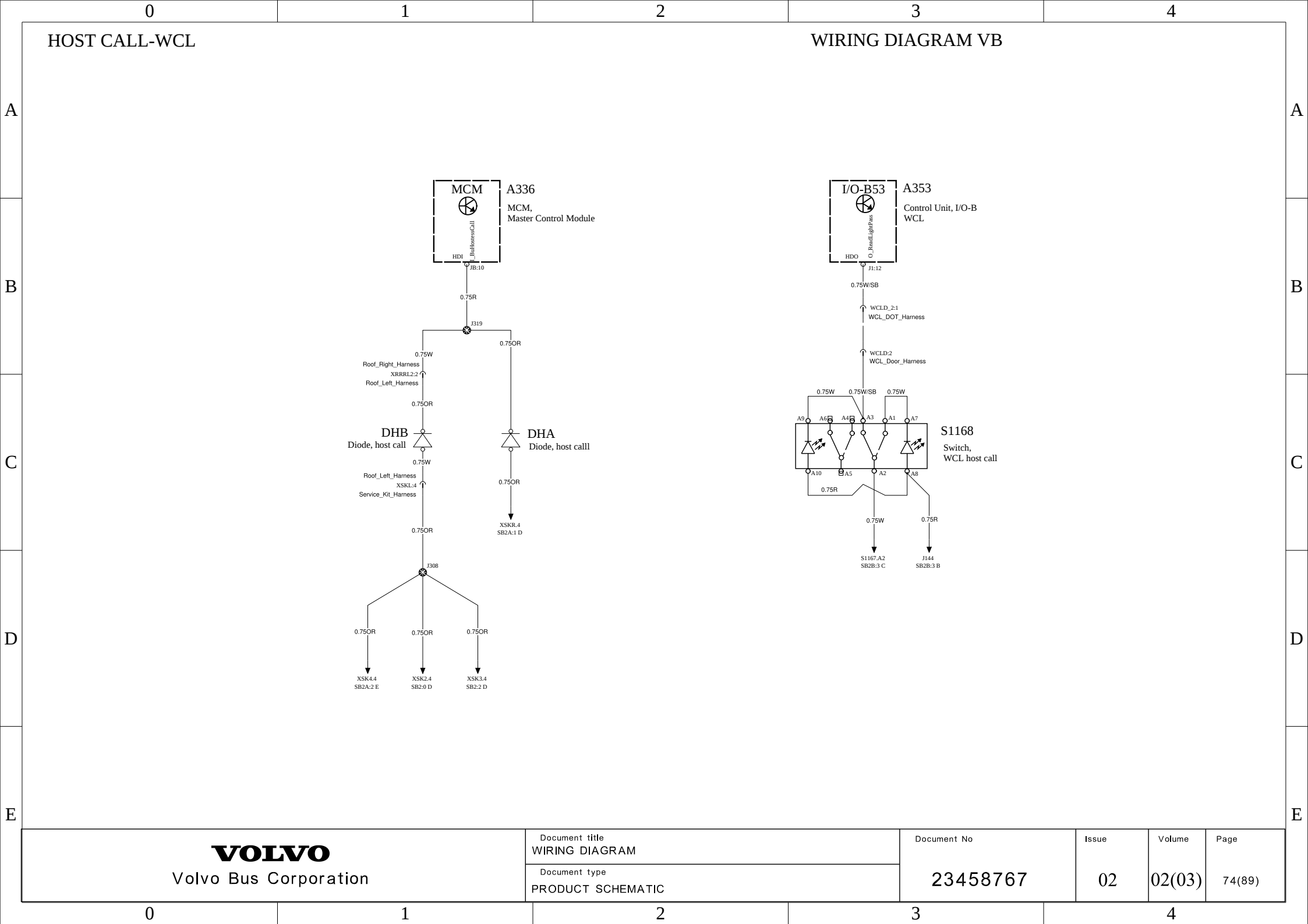


# WHEELCHAIR LIFT

# WIRING DIAGRAM VA



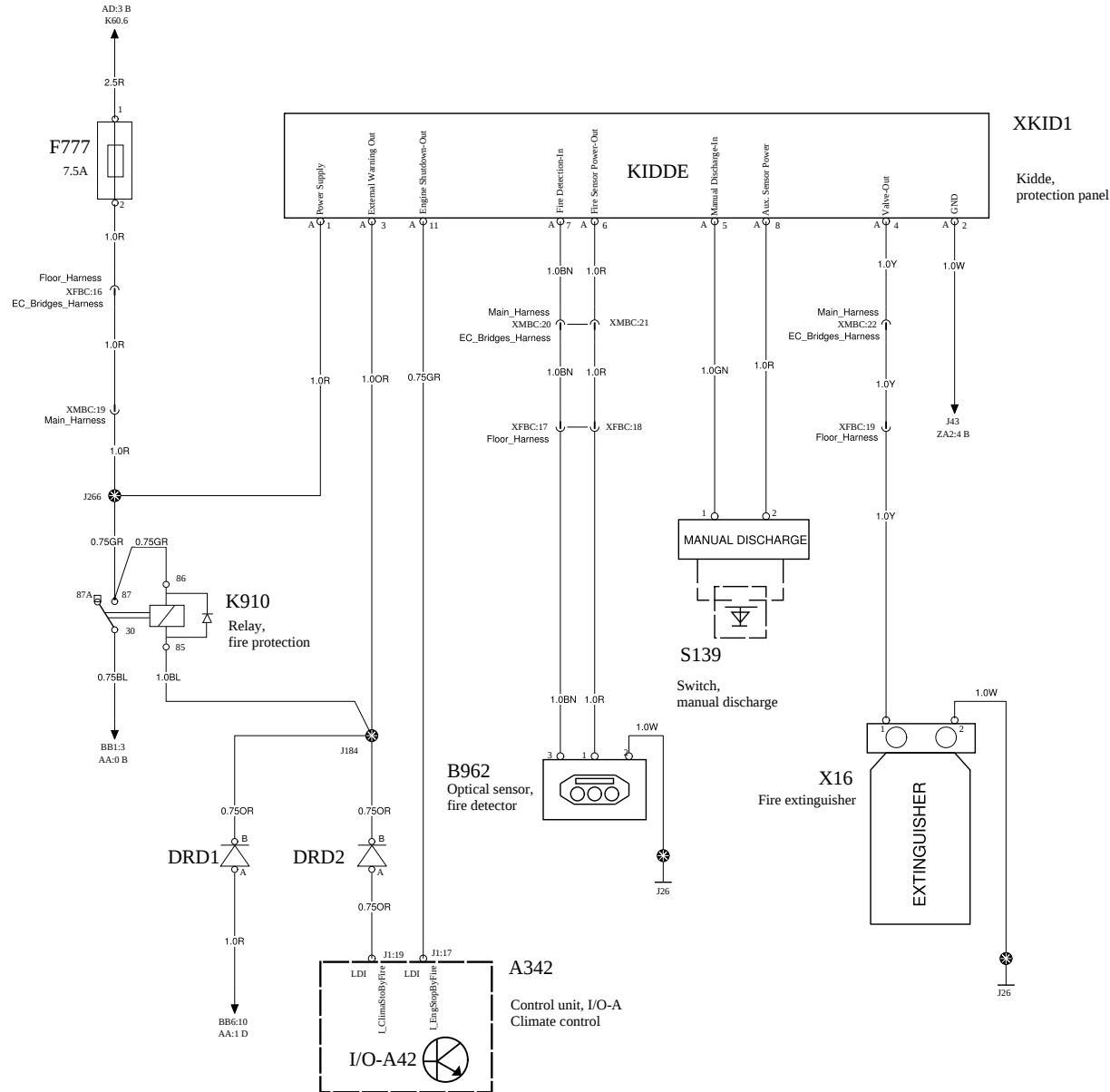






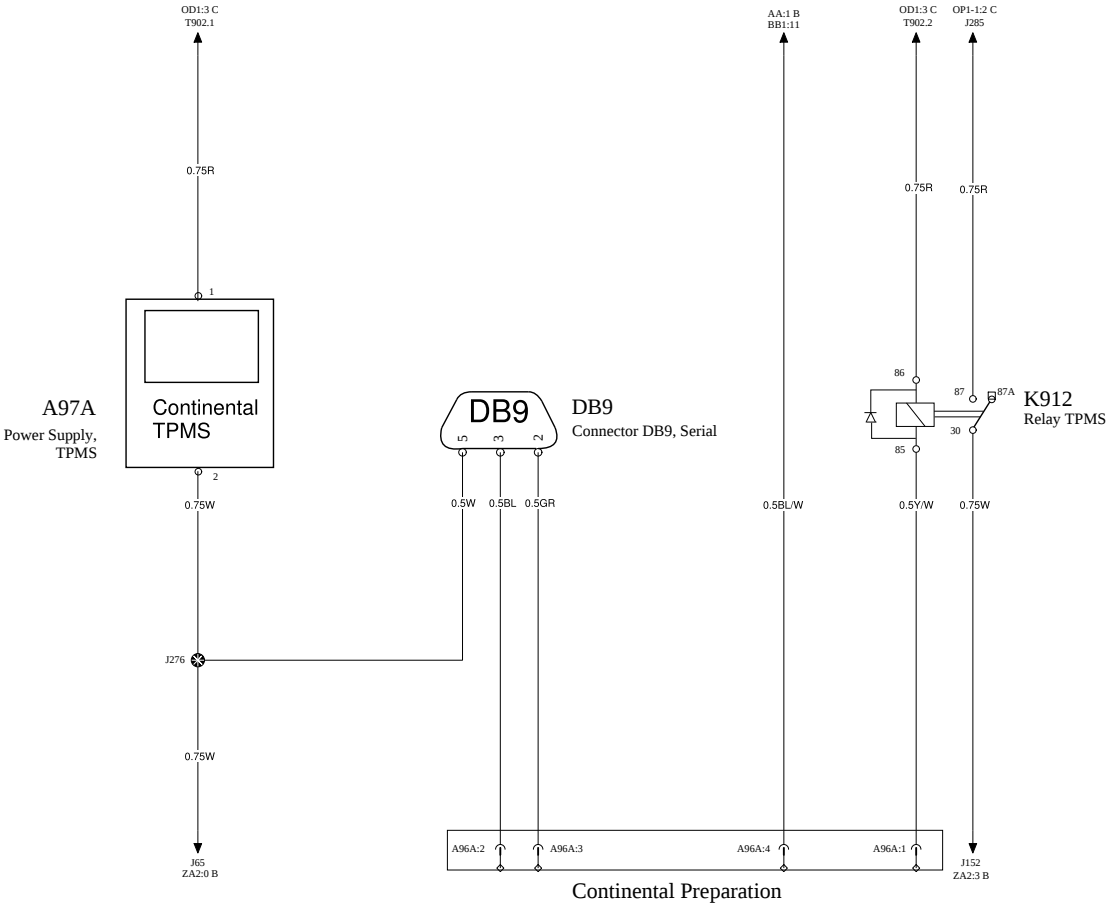
## AUTOMATIC FIRE SUPRESSION

## WIRING DIAGRAM VC1



TIRE PRESSURE MONITORING SYSTEM

WIRING DIAGRAM VD



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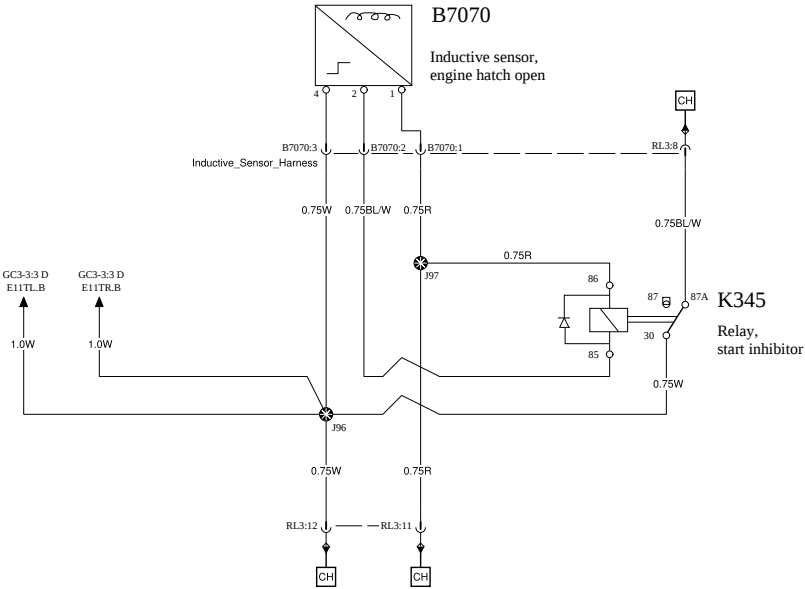
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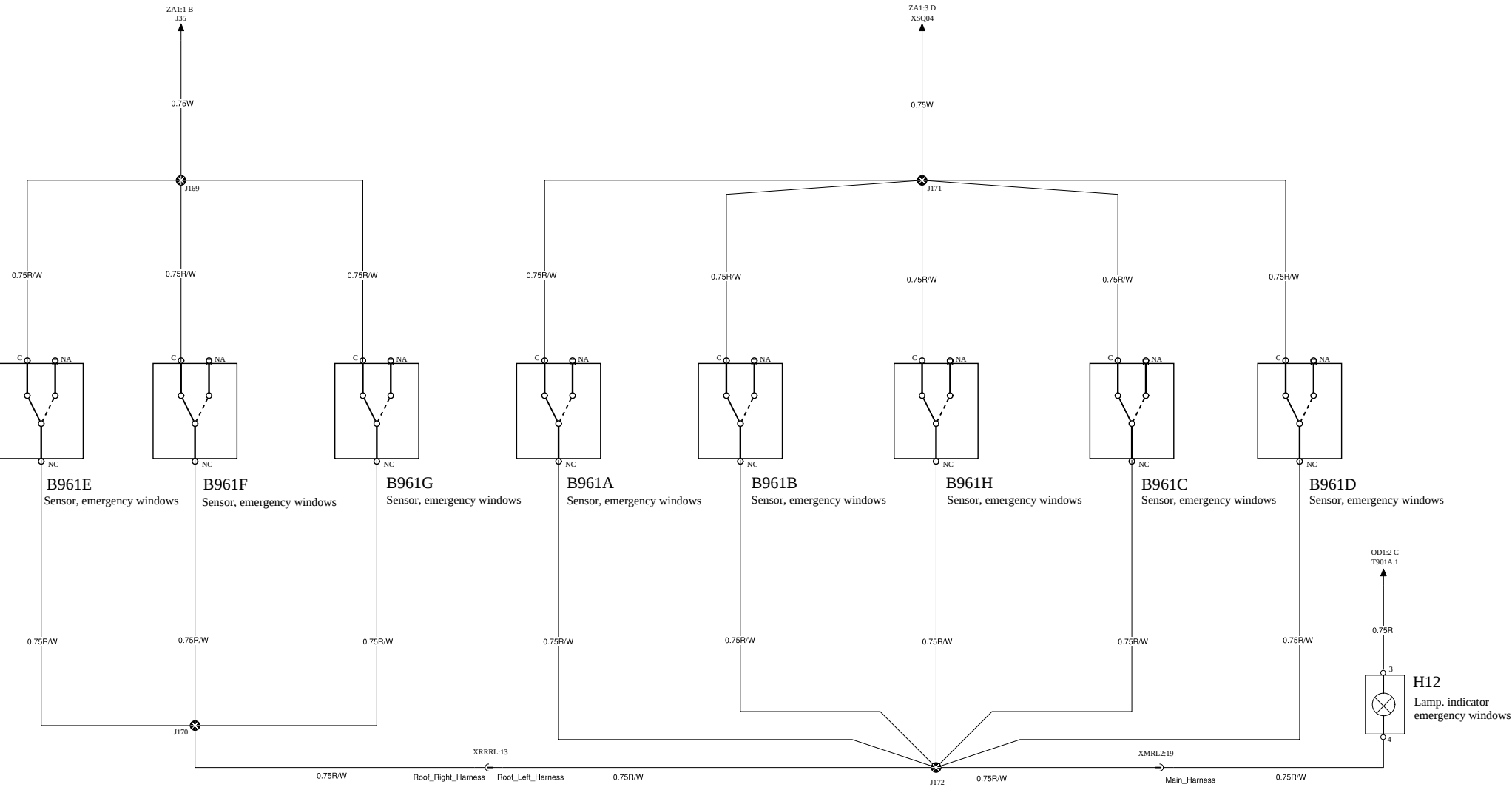
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EMERGENCY WINDOW

WIRING DIAGRAM VE



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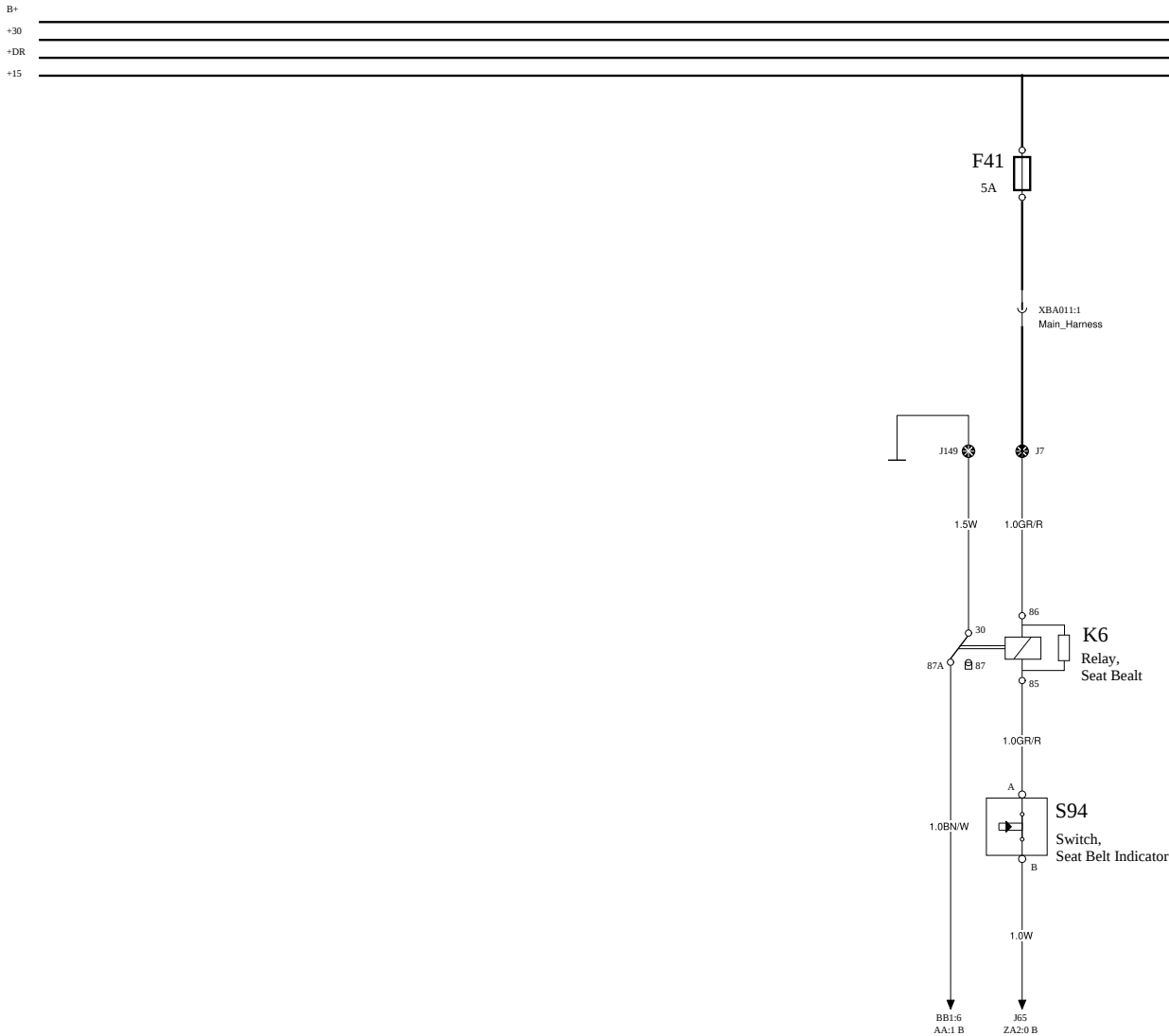
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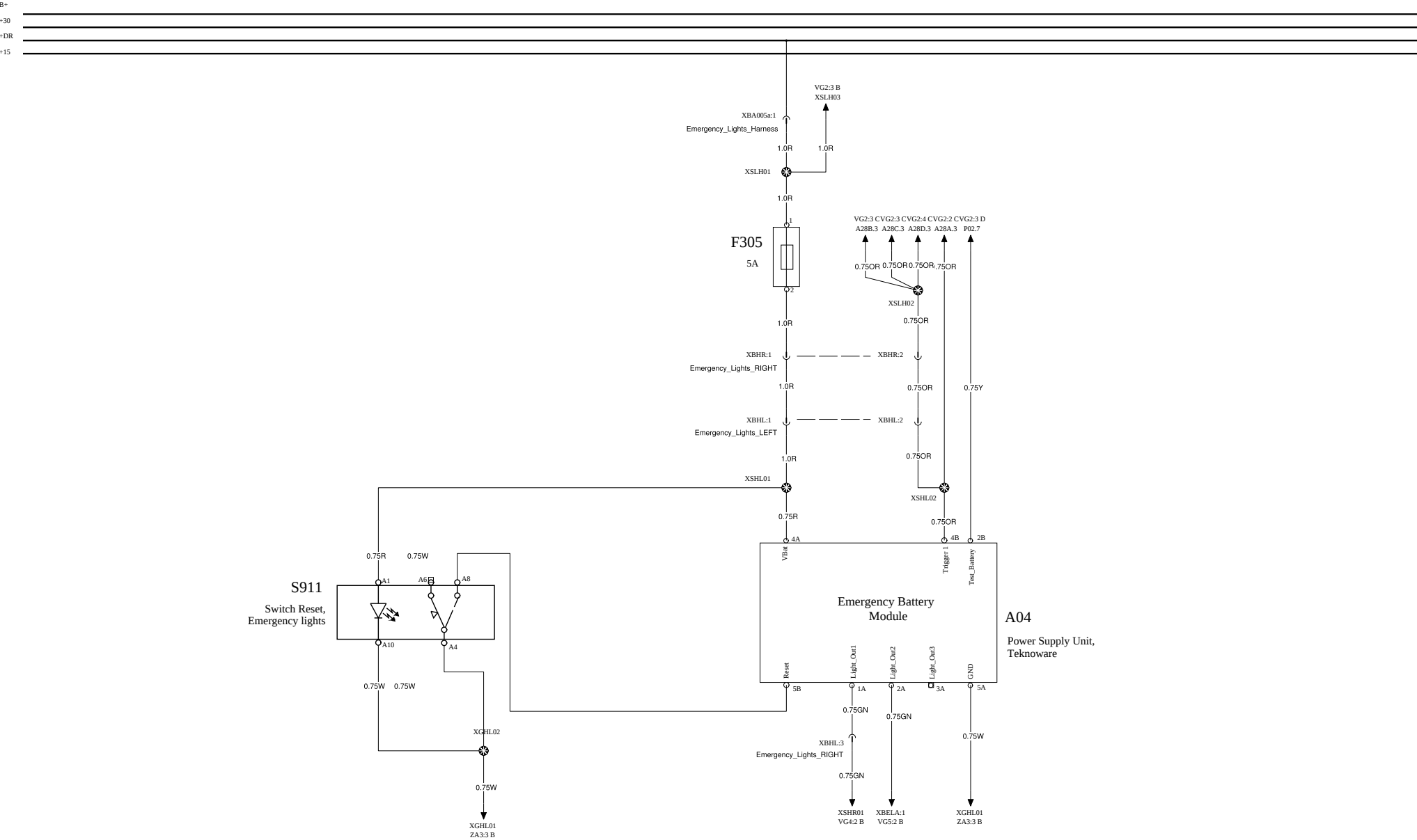
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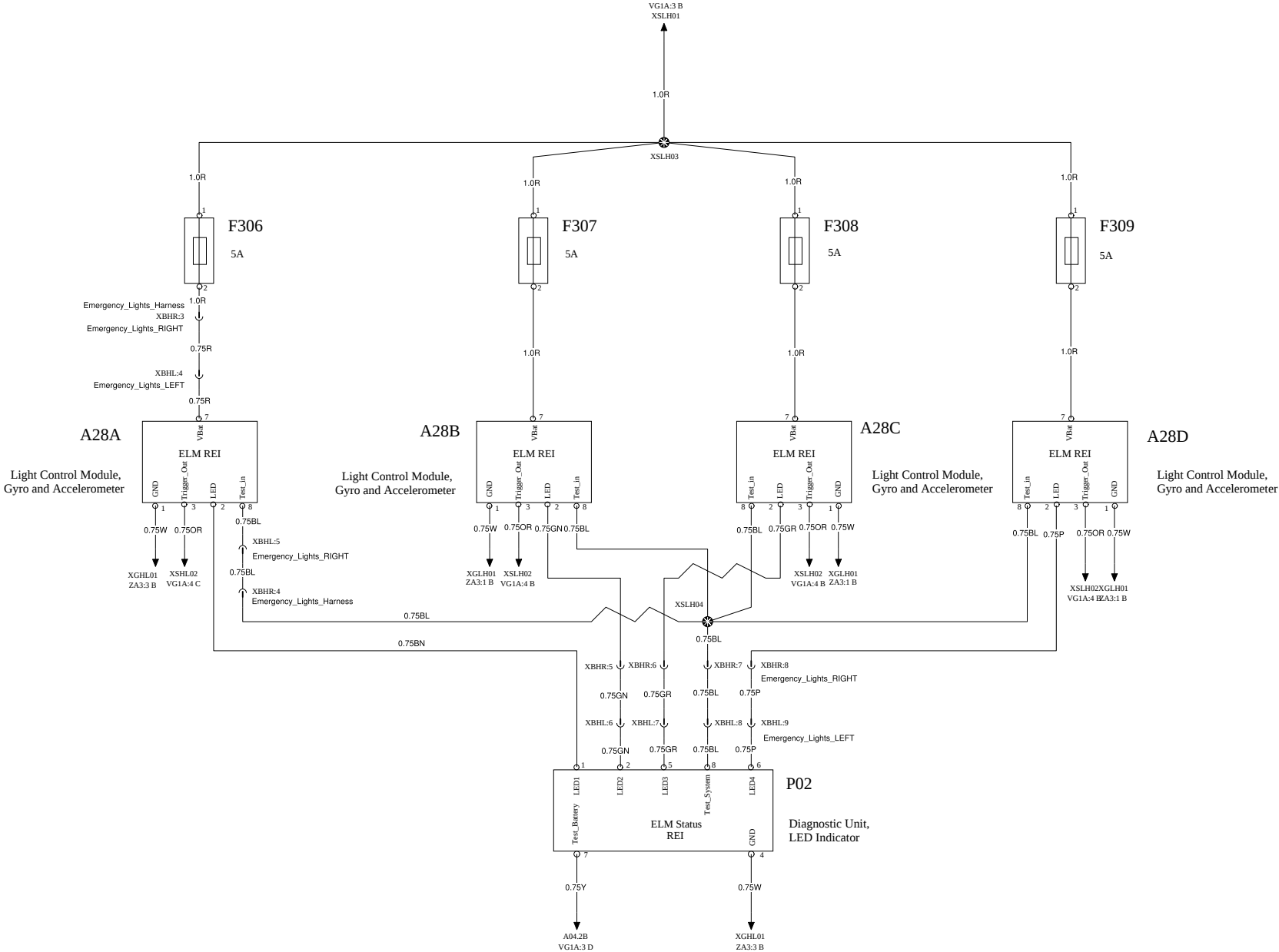
WIRING DIAGRAM VF



EMERGENCY LIGHTS POWER SUPPLY & RESET

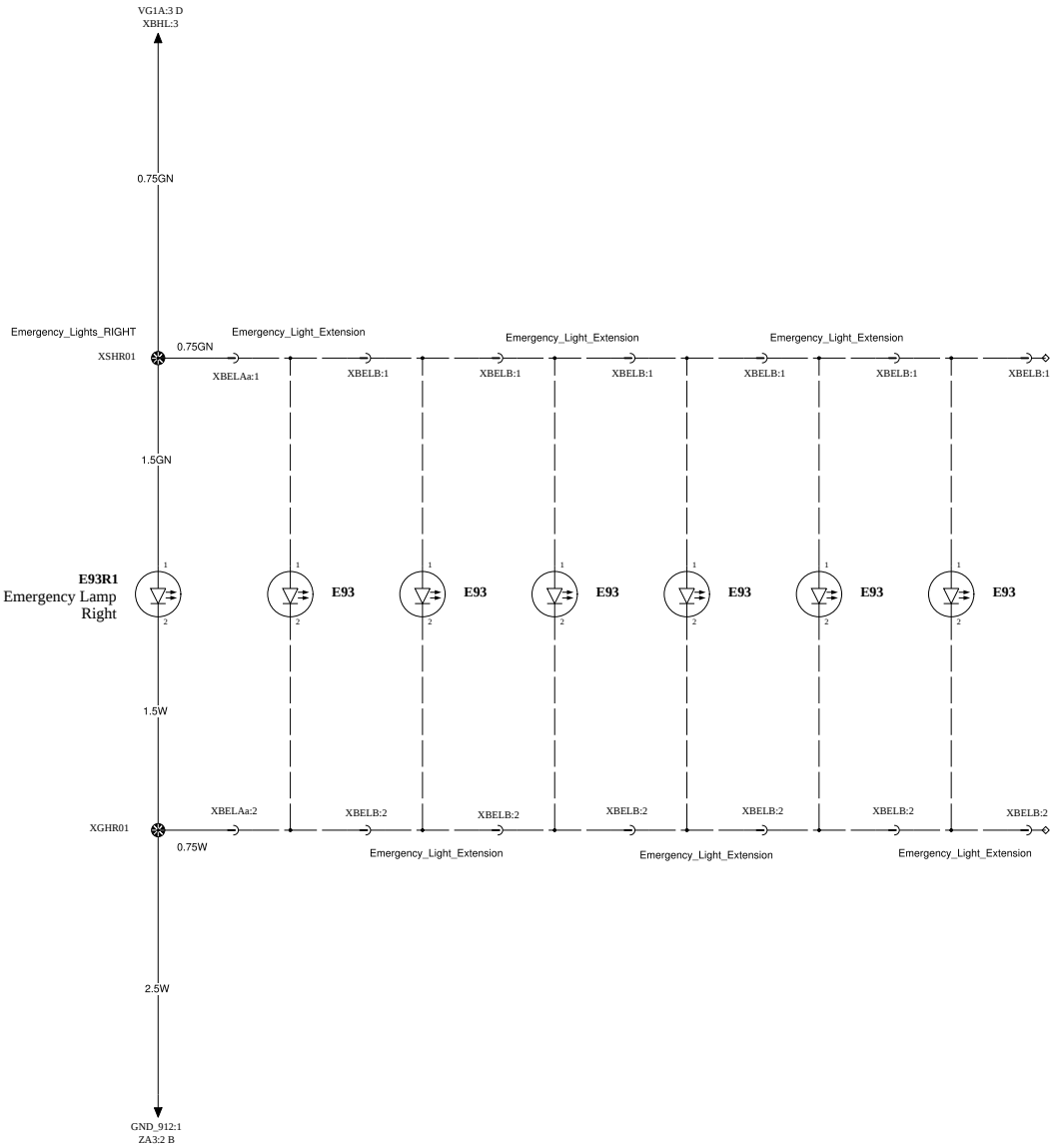
WIRING DIAGRAM VG1A





EMERGENCY LIGHTS RIGHT SIDE

WIRING DIAGRAM VG4



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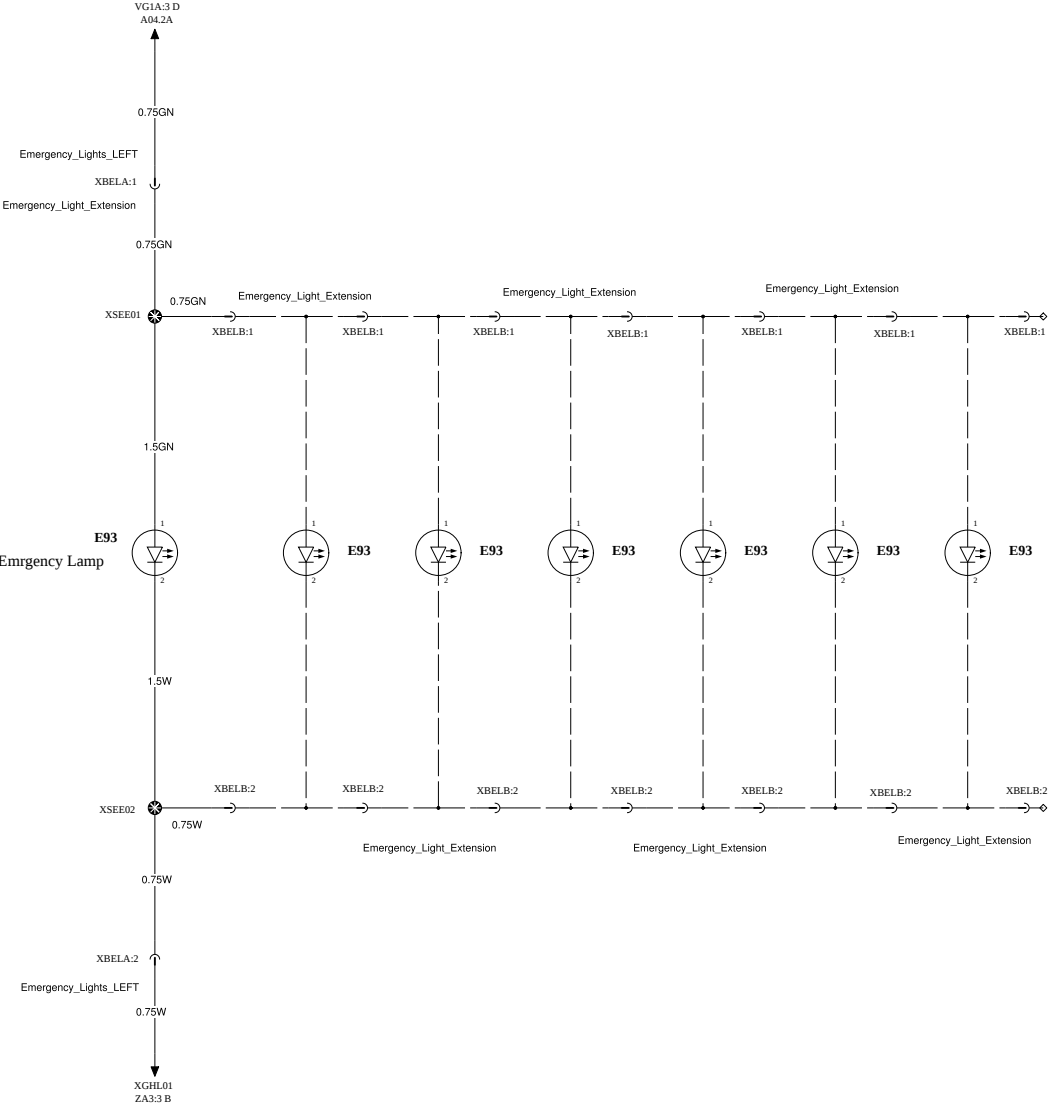
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EMERGENCY LIGHTS LEFT SIDE

WIRING DIAGRAM VG5



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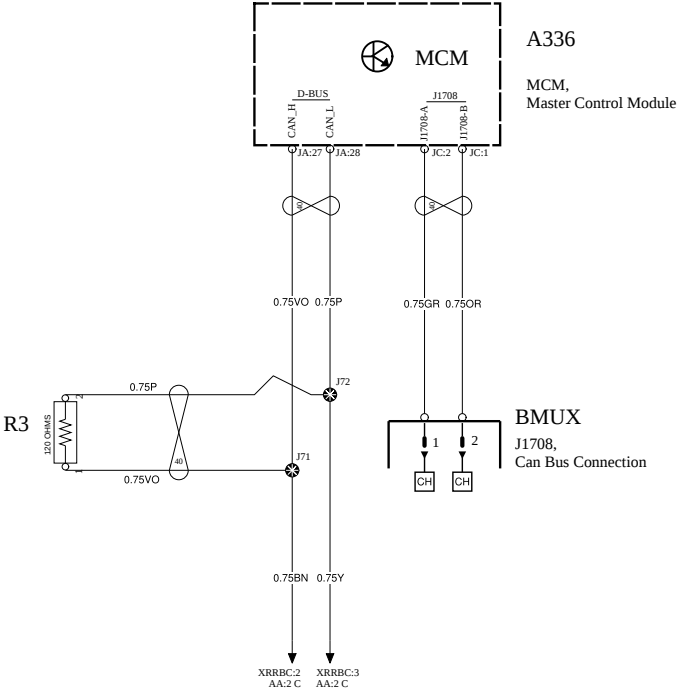
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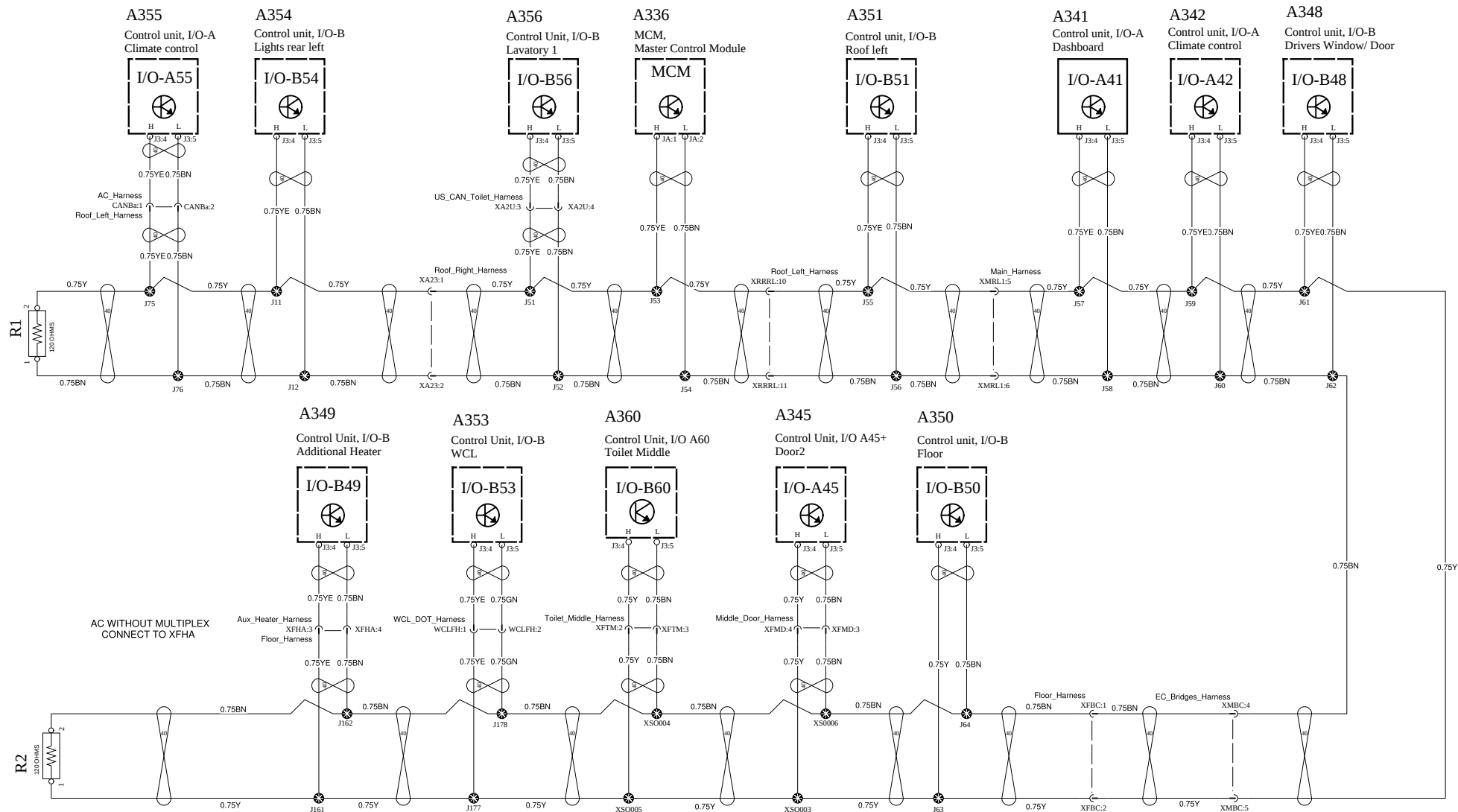
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# WIRING DIAGRAM ZA1

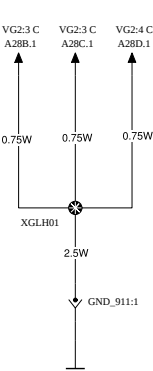


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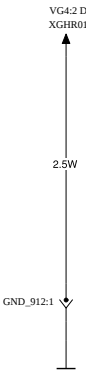
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GROUND BODY 3

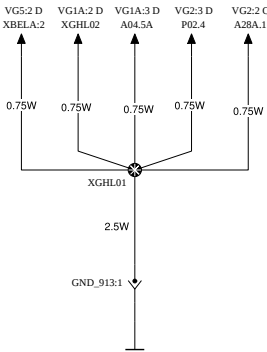
WIRING DIAGRAM ZA3



EMERGENCY LIGHTS LOW



EMERGENCY LIGHTS HIGH RIGHT



EMERGENCY LIGHTS HIGH LEFT



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# FUSES AND CIRCUIT BREAKERS

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| F2 (5A)    | Transcom                                   | JB1 1 B   |
| F3 (20A)   | AUDIO & VIDEO 12V (20A)                    | OD1 1 B   |
| F4 (30A)   | NIGHT LIGHT RELAY (30A)                    | SB2A 1 A  |
| F5 (30A)   | I/O B FLOOR (A50) (30A)                    | AI1-3 0 A |
| F6 (5A)    | I/O A A/C (A42) (5V)                       | AI1-1 3 A |
| F7 (5A)    | I/O A CLIMATE (A55) (5A)                   | AI1-4 1 A |
| F8 (15A)   | I/O B A/C HEAT (A49) (15A)                 | AI1-2 1 E |
| F9 (5A)    | SWITCHES ACTIVATION SIGNAL (5A)            | GC3-1 3 A |
| F9 (5A)    | SWITCHES ACTIVATION SIGNAL (5A)            | GC7 4 A   |
| F9 (5A)    | SWITCHES ACTIVATION SIGNAL (5A)            | HE1 0 A   |
| F9 (5A)    | SWITCHES ACTIVATION SIGNAL (5A)            | IA1A 4 A  |
| F9 (5A)    | SWITCHES ACTIVATION SIGNAL (5A)            | IB1 3 A   |
| F9 (5A)    | SWITCHES ACTIVATION SIGNAL (5A)            | IE3 4 A   |
| F9 (5A)    | SWITCHES ACTIVATION SIGNAL (5A)            | OA1-3 3 A |
| F9 (5A)    | SWITCHES ACTIVATION SIGNAL (5A)            | PA1 3 A   |
| F9 (5A)    | SWITCHES ACTIVATION SIGNAL (5A)            | SA 3 A    |
| F9 (5A)    | SWITCHES ACTIVATION SIGNAL (5A)            | SB2B 1 A  |
| F9 (5A)    | SWITCHES ACTIVATION SIGNAL (5A)            | SB2C 2 A  |
| F9 (5A)    | SWITCHES ACTIVATION SIGNAL (5A)            | UB1A 0 B  |
| F9 (5A)    | SWITCHES ACTIVATION SIGNAL (5A)            | VA 1 A    |
| F10 (20A)  | DEFROSTER (20A)                            | HA4C 3 B  |
| F11 (30A)  | I/O B ROOF LEFT (A54) (30A)                | AI1-4 0 A |
| F12 (7.5A) | I/O B MCM (A36)                            | AI1-1 0 A |
| F14 (20A)  | I/O B DRIVER DOOR/ SIDE PANEL (A48) (20A)  | AI1-2 2 E |
| F14 (20A)  | I/O B DRIVER DOOR/ SIDE PANEL (A48) (20A)  | BD 1 B    |
| F15 (30A)  | I/O B WCL (A53) (30A)                      | AI1-3 3 A |
| F16 (30A)  | I/O ROOF LEFT (A51) (30A)                  | AI1-3 2 A |
| F17 (5A)   | WEBASTO TIMER 2 (5A)                       | HC1 4 A   |
| F18 (20A)  | AUDIO & VIDEO 24V (20A)                    | OD1 1 B   |
| F19 (7.5A) | I/O B TOILET REAR (A56) (7.5A)             | AI1-4 3 A |
| F20 (15A)  | DASHBOARD CONVERTER CIGARRATE OUTPUT (15A) | OD1 3 B   |
| F21 (5A)   | TD7 (5A)                                   | OV1 0 B   |
| F22 (15A)  | I/O A DASHBOARD (A41) (15A)                | AI1-1 2 A |
| F23 (5A)   | LIGHT UNDER SEATS                          | UB1A 3 B  |
| F24 (5A)   | I/O A DOOR2 (A45) (5A)                     | AI1-2 4 E |
| F25 (5A)   | WEBASTO TIMER 3 (5A)                       | HC1 4 A   |
| F26 (5A)   | Passenger Counting                         | OO2 2 B   |
| F27 (30A)  | DRIVER SIDE 24V OUTPUT (30A)               | OD1 3 B   |
| F28 (5A)   | Front Door, Pressure Switch                | PB2A 3 A  |
| F29 (3A)   | MARKING L./ TD7 (3A)                       | GC3-1 1 A |
| F29 (3A)   | MARKING L./ TD7 (3A)                       | GC3-2 2 A |
| F29 (3A)   | MARKING L./ TD7 (3A)                       | OV1 1 B   |
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| F31 (3A)   | TD7 (3A)                                   | OV1 0 B   |
| F32 (5A)   | MOBITEC (+15)                              | SA3 2 B   |
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| F35 (10A)  | Fuse,                                      | AI1-1 0 A |
| F36 (5A)   | TIME & TEMPERATURE DISPLAY                 | SC2 1 B   |
| F37 (30A)  | TPMS (30A)                                 | OD1 4 B   |
| F38 (3A)   | DRL                                        | GC4 3 A   |
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| F40 (7.5A) | REAR ROOF HATCH (7.5A)                     | HA 2 B    |

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| F42 (15A)   | SUN VISOR/MIRROR HEATING/REVERSE CAMERA   | OJ2 2 A    |
| F43 (5A)    | DEFROSTER FLAPS (5A)                      | HA4C-1 3 A |
| F44 (15A)   | OVER SPEED RELAY (15A)                    | IF1 2 A    |
| F75 (80A)   | Fuse, Body B+                             | AD 2 B     |
| F202 (80A)  | Fuse in X905                              | AD 4 B     |
| F203 (100A) | FUSE,CLIMATE UNIT, 150A(24V)              | AD 4 B     |
| F204 (80A)  | Fuse in X905                              | AD 4 B     |
| F205 (60A)  | Fuse in X905                              | AD 4 B     |
| F303 (25A)  | Fuse Holder, Auxiliary Heater, 1st Supply | HC1 1 C    |
| F304 (25A)  | Fuse Holder, Additional Heater, 2nd Suppl | HC1 1 C    |
| F305 (5A)   | External fuse, REI Sensor                 | VG1A 3 B   |
| F306 (5A)   | External fuse, REI Sensor                 | VG2 2 B    |
| F307 (5A)   | External fuse, REI Sensor                 | VG2 3 B    |
| F308 (5A)   | External fuse, REI Sensor                 | VG2 3 B    |
| F309 (5A)   | External fuse, REI Sensor                 | VG2 4 B    |
| F777 (7.5A) | AFES Fuse                                 | VC1 1 A    |

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| 31A       | GROUND DASHBOARD                          | ZA2 3 C    |
| 31B       | GROUND, ROOF LEFT FRONT                   | ZA1 2 E    |
| 31C       | GROUND, ROOF LEFT REAR                    | ZA1 4 E    |
| 31Cb      | GROUND, AIR CONDITION HARNESS             | ZA2 1 E    |
| 31D       | GROUND, ROOF RIGHT REAR                   | ZA1 3 C    |
| 31Ee      | Ground Floor                              | ZA1 1 E    |
| 31H       | Ground, Auxiliary Heater                  | ZA2 0 E    |
| A04       | Power Supply Unit, Teknoware              | VG1A 3 D   |
| A28A      | Light Control Module, Gyro and Accelerom  | VG2 2 C    |
| A28B      | Light Control Module, Gyro and Accelerom  | VG2 3 C    |
| A28C      | Light Control Module, Gyro and Accelerom  | VG2 3 C    |
| A28D      | Light Control Module, Gyro and Accelerom  | VG2 4 C    |
| A97A      | Power Supply, TPMS                        | VD 1 B     |
| A150      | Circuit board, Ricon WCL                  | VA 1 B     |
| A210      | Control Unit, Passenger Counting DPACU-21 | OO2 3 D    |
| A336      | MCM, Master Control Module                | AA 3 C     |
| A336      | MCM, Master Control Module                | AI1-1 0 C  |
| A336      | MCM, Master Control Module                | BD 1 D     |
| A336      | MCM, Master Control Module                | BG2 2 B    |
| A336      | MCM, Master Control Module                | GC3-2 1 B  |
| A336      | MCM, Master Control Module                | HA2 3 A    |
| A336      | MCM, Master Control Module                | IE3 1 B    |
| A336      | MCM, Master Control Module                | PA 3 B     |
| A336      | MCM, Master Control Module                | PB2A 3 C   |
| A336      | MCM, Master Control Module                | SB2A 0 A   |
| A336      | MCM, Master Control Module                | SC2 1 B    |
| A336      | MCM, Master Control Module                | UB1A 3 B   |
| A336      | MCM, Master Control Module                | VB 1 B     |
| A336      | MCM, Master Control Module                | XJ1 2 B    |
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| A341      | Control unit, I/O-A Dashboard             | AI1-1 1 C  |
| A341      | Control unit, I/O-A Dashboard             | GC3-1 3 B  |
| A341      | Control unit, I/O-A Dashboard             | HA3 2 B    |
| A341      | Control unit, I/O-A Dashboard             | HA4C 0 B   |
| A341      | Control unit, I/O-A Dashboard             | HB1D 1 A   |
| A341      | Control unit, I/O-A Dashboard             | HE1 1 B    |
| A341      | Control unit, I/O-A Dashboard             | IB1 3 B    |
| A341      | Control unit, I/O-A Dashboard             | IE1 2 B    |
| A341      | Control unit, I/O-A Dashboard             | IE3 2 B    |
| A341      | Control unit, I/O-A Dashboard             | OA1 0 B    |
| A341      | Control unit, I/O-A Dashboard             | OA1-3 2 B  |
| A341      | Control unit, I/O-A Dashboard             | PA1 2 B    |
| A341      | Control unit, I/O-A Dashboard             | PA2 3 B    |
| A341      | Control unit, I/O-A Dashboard             | SA 2 B     |
| A341      | Control unit, I/O-A Dashboard             | SB2 3 A    |
| A341      | Control unit, I/O-A Dashboard             | SB2C 2 B   |
| A341      | Control unit, I/O-A Dashboard             | UB1A 1 B   |
| A341      | Control unit, I/O-A Dashboard             | XJ2 3 A    |
| A342      | Control unit, I/O-A Climate control       | AI1-1 3 C  |
| A342      | Control unit, I/O-A Climate control       | HA4C 3 D   |
| A342      | Control unit, I/O-A Climate control       | HA4C-1 1 A |
| A342      | Control unit, I/O-A Climate control       | IA1A 3 B   |
| A342      | Control unit, I/O-A Climate control       | IE3 3 B    |
| A342      | Control unit, I/O-A Climate control       | PA2 1 B    |

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| A342      | Control unit, I/O-A Climate control      | VA 0 A     |
| A342      | Control unit, I/O-A Climate control      | VC1 2 E    |
| A342      | Control unit, I/O-A Climate control      | XJ2 3 A    |
| A345      | Control Unit, I/O A45+ Door2             | IC1A 2 B   |
| A345      | Control Unit, I/O A45+ Door2             | PC1A 2 B   |
| A345      | Control Unit, I/O A45+ Door2             | VA1 0 A    |
| A345      | Control Unit, I/O A45+ Door2             | XJ2 2 C    |
| A348      | Control unit, I/O-B Drivers Window/ Door | AH2 0 C    |
| A348      | Control unit, I/O-B Drivers Window/ Door | AI1-2 3 C  |
| A348      | Control unit, I/O-B Drivers Window/ Door | GC4 1 A    |
| A348      | Control unit, I/O-B Drivers Window/ Door | GC5 1 B    |
| A348      | Control unit, I/O-B Drivers Window/ Door | GC7 2 B    |
| A348      | Control unit, I/O-B Drivers Window/ Door | IA1A 2 B   |
| A348      | Control unit, I/O-B Drivers Window/ Door | PA 0 A     |
| A348      | Control unit, I/O-B Drivers Window/ Door | PA2 1 B    |
| A348      | Control unit, I/O-B Drivers Window/ Door | SA 1 B     |
| A348      | Control unit, I/O-B Drivers Window/ Door | SB2 2 A    |
| A348      | Control unit, I/O-B Drivers Window/ Door | SB2A 2 A   |
| A348      | Control unit, I/O-B Drivers Window/ Door | XJ2 4 A    |
| A349      | Control Unit, I/O-B Additional Heater    | AI1-2 1 B  |
| A349      | Control Unit, I/O-B Additional Heater    | HA5C 3 B   |
| A349      | Control Unit, I/O-B Additional Heater    | HC1 1 A    |
| A349      | Control Unit, I/O-B Additional Heater    | XJ2 1 C    |
| A350      | Control unit, I/O-B Floor                | AI1-3 0 C  |
| A350      | Control unit, I/O-B Floor                | HA3 0 B    |
| A350      | Control unit, I/O-B Floor                | IB1 1 A    |
| A350      | Control unit, I/O-B Floor                | ID3 1 A    |
| A350      | Control unit, I/O-B Floor                | ID3A 1 A   |
| A350      | Control unit, I/O-B Floor                | OA1 2 B    |
| A350      | Control unit, I/O-B Floor                | VA1 2 A    |
| A350      | Control unit, I/O-B Floor                | XJ2 2 C    |
| A351      | Control unit, I/O-B Roof left            | AI1-3 1 C  |
| A351      | Control unit, I/O-B Roof left            | HA4C-1 1 D |
| A351      | Control unit, I/O-B Roof left            | HA5C 0 B   |
| A351      | Control unit, I/O-B Roof left            | HE1 2 B    |
| A351      | Control unit, I/O-B Roof left            | IA1A 1 B   |
| A351      | Control unit, I/O-B Roof left            | IE3 0 B    |
| A351      | Control unit, I/O-B Roof left            | SB2 0 A    |
| A351      | Control unit, I/O-B Roof left            | UC3 1 A    |
| A351      | Control unit, I/O-B Roof left            | XJ2 2 B    |
| A353      | Control Unit, I/O-B WCL                  | AI1-3 3 C  |
| A353      | Control Unit, I/O-B WCL                  | VA 2 A     |
| A353      | Control Unit, I/O-B WCL                  | VB 3 B     |
| A353      | Control Unit, I/O-B WCL                  | XJ2 1 C    |
| A354      | Control unit, I/O-B Lights rear left     | GC3-3 1 A  |
| A354      | Control unit, I/O-B Lights rear left     | GC7 1 B    |
| A354      | Control unit, I/O-B Lights rear left     | HA2 0 D    |
| A354      | Control unit, I/O-B Lights rear left     | ID1 2 A    |
| A354      | Control unit, I/O-B Lights rear left     | OA2-1 2 B  |
| A354      | Control unit, I/O-B Lights rear left     | OA3 2 B    |
| A354      | Control unit, I/O-B Lights rear left     | OO2 3 B    |
| A354      | Control unit, I/O-B Lights rear left     | XJ2 0 A    |
| A355      | Control unit, I/O-A Climate control      | AI1-4 1 C  |
| A355      | Control unit, I/O-A Climate control      | HA2 1 A    |

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| A356      | Control Unit, I/O-B Lavatory 1      | AI1-4 3 C  |
| A356      | Control Unit, I/O-B Lavatory 1      | OA2-1 0 A  |
| A356      | Control Unit, I/O-B Lavatory 1      | SC2 3 B    |
| A356      | Control Unit, I/O-B Lavatory 1      | XJ2 1 B    |
| A360      | Control Unit, I/O A60 Toilet Middle | AI1-5 2 C  |
| A360      | Control Unit, I/O A60 Toilet Middle | OA2-2 1 A  |
| A360      | Control Unit, I/O A60 Toilet Middle | XJ2 1 C    |
| A947A     | Screen TFT                          | JB2 1 C    |
| A947A1    | Fixed screen                        | JB3 2 B    |
| A947B     | Screen TFT                          | JB2 2 C    |
| A947B1    | Fixed screen                        | JB3 3 B    |
| A947C     | Screen TFT                          | JB2 2 C    |
| A947C1    | Fixed screen                        | JB3 2 D    |
| A947D     | Screen TFT                          | JB2 1 D    |
| A947D1    | Fixed screen                        | JB3 3 D    |
| A947E     | Screen TFT                          | JB2 2 D    |
| A952      | Control unit, Air compressor        | HC1 4 C    |
| A7001     | Control Unit, AC                    | HA2 0 C    |
| A9078     | Control unit, climate display       | HA4C-1 0 C |
| AFH       | Air Purifier, Hispacold ECO3        | OO3 2 C    |
| AFHA      | Air Purifier, Hispacold ECO3        | OO3 3 C    |
| AK15      | Relay, +15 loads                    | AA 4 C     |
| ASL360    | 360 View Control Unit, SCT4         | UC3 2 D    |
| B01       | Sensor, flame, parking heater       | JD 2 C     |
| B13       | Speaker Lateral Duct                | JA1A 4 E   |
| B21       | Sensor, coolant temperature         | HC1 0 C    |
| B22       | Sensor, outdoor temperature         | HA5C 2 C   |
| B23       | Sensor, oil temperature, retarder   | HA5C 3 D   |
| B40D      | Sensor, Sensitive Edge              | OA1 3 C    |
| B41D      | Sensor, Pressure Luggage            | OA1 3 D    |
| B355      | Sensor, Water Flush Level Low WC    | OA2-2 3 D  |
| B357      | Sensor, Sludge Level High WC        | OA2-2 3 D  |
| B379D2    | Sensor Hall Door 2                  | PC1A 2 A   |
| B961A     | Sensor, emergency windows           | VE 2 B     |
| B961B     | Sensor, emergency windows           | VE 2 B     |
| B961C     | Sensor, emergency windows           | VE 3 B     |
| B961D     | Sensor, emergency windows           | VE 4 B     |
| B961E     | Sensor, emergency windows           | VE 0 B     |
| B961F     | Sensor, emergency windows           | VE 0 B     |
| B961G     | Sensor, emergency windows           | VE 1 B     |
| B961H     | Sensor, emergency windows           | VE 3 B     |
| B962      | Optical sensor, fire detector       | VC1 1 D    |
| B7070     | Inductive sensor, engine hatch open | VD4 2 B    |
| B7072     | Temperature sensor, defroster       | HA4C-1 2 D |
| B7073     | Outside temperature sensor          | HA5C 1 C   |
| B7074     | Temperature sensor, driver          | HA4C-1 2 D |
| B7075A    | Passenger sensor, climate dot       | HA3 1 C    |
| BMUX      | J1708, Can Bus Connection           | BD 1 C     |
| BMUX      | J1708, Can Bus Connection           | XJ1 2 C    |
| CH        | Chassis                             | AD 2 B     |
| CH        | Chassis                             | BD 3 B     |
| CH        | Chassis                             | GC3-3 3 C  |
| CH        | Chassis                             | GC6 0 A    |

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| CH        | Chassis                                   | 001 0 B   |
| CH        | Chassis                                   | OP1-1 2 D |
| CH        | Chassis                                   | VD4 2 D   |
| CH        | Chassis                                   | XJ1 2 C   |
| D4        | Diod                                      | AD 3 C    |
| DAH       | DIODE, AUXILIARY HEATER                   | HC1 2 B   |
| DB9       | Connector DB9, Serial                     | VD 2 C    |
| DB92      | Connector DB9, Serial female              | BG2 2 D   |
| DHA       | Diode, host calll                         | VB 1 C    |
| DHB       | Diode, host call                          | VB 1 C    |
| DP718US   | Connector, Display                        | VB1 3 D   |
| DRB       | Diode, reading lights                     | SB2 2 C   |
| DRC       | Diode, reading lights                     | SB2B 3 D  |
| DRD       | DIODE                                     | AA 4 D    |
| DRD3      | Diode                                     | BD 2 E    |
| DRDb      | DIODE                                     | OA2-1 4 B |
| DRL       | Day Running, Lamp                         | GC4 1 D   |
| DRLA      | Day Running Light, Right Side             | GC4 3 C   |
| DRLB      | Day Running Light, Left Side              | GC4 1 C   |
| E03       | Lamp, Spot light                          | VA 3 C    |
| E03       | Lamp, Spot light                          | VA1 3 C   |
| E03A      | Lamp, WCL                                 | VA 3 C    |
| E03A      | Lamp, WCL                                 | VA1 3 C   |
| E09RB     | Brake light middle                        | GC6 3 C   |
| E10L      | Light left, tailand break                 | GC6 0 C   |
| E10LB     | License plate left                        | GC6 1 C   |
| E10R      | Lamp, Tail light right                    | GC6 3 C   |
| E10RB     | License plate right                       | GC6 1 C   |
| E10XB     | License plate In Bike Rack                | GC6 2 C   |
| E11LF     | Side-marker lamp, middle left             | GC3-2 3 D |
| E11RR     | Side-marker middle right                  | GC3-2 4 D |
| E11TL     | Rear lamp, side marker rear left          | GC3-3 3 D |
| E11TR     | Rear lamp, side marker right              | GC3-3 3 D |
| E12       | Lamp, Roof position light                 | OA3 2 C   |
| E14       | Lamp, Beacon warning lamp                 | VA 1 C    |
| E16A      | Lamp, Step                                | IE3 0 D   |
| E16B      | Lamp, Step                                | IE3 0 D   |
| E16C      | Lamp, Step                                | IE3 0 D   |
| E61       | Lamp, Roof Head                           | IE3 2 D   |
| E91R      | Lamp, Kneeling warning                    | GC5 2 C   |
| E91RA     | LAMP, kneeling exterior                   | GC5 2 C   |
| E92       | Lamp, wall                                | OA2-1 3 D |
| E93       | Emrgency Lamp                             | VG4 3 C   |
| E93       | Emrgency Lamp                             | VG5 3 C   |
| E93R1     | Emergency Lamp Right                      | VG4 2 C   |
| E156      | Interior Light, LED Module Driver         | IA1A 0 C  |
| E158A     | Light, Step LED Door 2 First Step Inside  | IC1A 1 C  |
| E158B     | Light, Step LED Door 2 Second Step Inside | IC1A 2 C  |
| E158C     | Light, Step LED Door 2 Third Step Inside  | IC1A 2 C  |
| E158D     | Light, Step LED Door 2 Fourth Step Inside | IC1A 3 C  |
| E160      | Light, LED WC 1                           | OA2-2 0 D |
| E160B     | Light, LED WC 2                           | OA2-2 0 D |
| E420A     | Light, upper front left side              | GC3-2 0 C |
| E420B     | Light, upper front left side              | GC3-2 0 C |

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| E420C     | Light, upper front left side           | GC3-2 0 C |
| E420D     | Light, upper rear                      | GC3-3 0 D |
| E420E     | Light, Direction Indicator Right       | GC3-3 2 D |
| E420F     | Light, upper rear                      | GC3-3 1 D |
| E420G     | Light, upper rear                      | GC3-3 1 D |
| E420H     | Light, upper rear                      | GC3-3 1 D |
| E420I     | Light, Direction Indicator Left        | GC3-3 0 D |
| E420J     | Light, upper rear                      | GC3-3 1 D |
| E421A     | Light, upper front right side          | GC3-2 1 C |
| E421B     | Light, upper centre right side         | GC3-2 1 C |
| E421C     | Light, upper rear right side           | GC3-2 1 C |
| E421D     | Light, upper front                     | GC3-1 0 D |
| E421E     | Light, upper front                     | GC3-1 1 D |
| E421F     | Light, upper front                     | GC3-1 1 D |
| E421G     | Light, upper front                     | GC3-1 1 D |
| E421H     | Light, upper front                     | GC3-1 1 D |
| E433      | Guide lamp                             | IE3 1 D   |
| E433B     | Lamp, guide outside                    | IE3 2 D   |
| E450      | Sign lamp, destination                 | SA 1 D    |
| E450L     | Sign lamp, destination                 | SA 1 D    |
| E471t     | Night light, seat                      | IB1 1 C   |
| E471u     | Night light, seat                      | IB1 1 C   |
| E471v     | Night light, seat                      | IB1 1 C   |
| E471w     | Night light, seat                      | IB1 1 D   |
| E471x     | Night light, seat                      | IB1 1 D   |
| E471y     | Night light, seat                      | IB1 1 D   |
| E471z     | Night light, seat                      | IB1 1 E   |
| E472B     | Lamp, Engine Compartment               | ID1 2 C   |
| E472C     | Lamp, Engine Compartment               | ID1 2 C   |
| E472D     | Lamp, Engine Compartment               | ID1 2 C   |
| E567      | Snake lamp, electric centre            | IE1 2 C   |
| E568      | Snake lamp, map light                  | IE1 2 C   |
| E902A     | Driver loudspeaker                     | JA1A 1 D  |
| E902B     | Driver loudspeaker                     | JA1A 2 D  |
| E902C     | Guide loudspeaker                      | JA1A 0 D  |
| E902D     | Guide loudspeaker                      | JA1A 1 D  |
| E919      | Lamp, open door WCL                    | VA 2 C    |
| E919      | Lamp, open door WCL                    | VA1 3 B   |
| E4054A    | Lamp, toilet                           | OA2-1 3 D |
| E4054B    | Lamp, toilet                           | OA2-1 3 D |
| E4055LA   | Display, occupied & vacant WC          | SC2 3 D   |
| E4057B    | Luggage lamps, left side               | ID3A 0 C  |
| E4057C    | Luggage lamps, left side               | ID3A 1 C  |
| E4057D    | Luggage lamps, left side               | ID3A 1 C  |
| E4057F    | Luggage lamps, right side              | ID3A 2 C  |
| E4057G    | Luggage lamps, right side              | ID3A 3 C  |
| E4057H    | Luggage lamps, right side              | ID3A 4 C  |
| E4057J    | Lamp, rear hatch                       | ID3A 2 C  |
| E4063     | Lamp, over speed                       | IF1 2 D   |
| E4064     | Driver lamp                            | IE3 1 D   |
| E4067     | Display, Time & temperature            | SC2 1 D   |
| E4067_ESF | Toilet Display, Eng-Spa-Fre            | SC2 2 D   |
| E4070     | Emergency lamp                         | PA 2 C    |
| EL2A      | Lamp, Side/reverse working light right | GC7 1 C   |

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| EL2B      | Lamp, Side/reverse working light left | GC7 1 C   |
| EPS       | Touch lapm over table                 | SB2D 2 C  |
| G01       | Battery                               | AD 1 D    |
| G01B      | Starter Battery                       | AD 1 D    |
| G01C      | Consumer Battery                      | AD 2 C    |
| G814A     | Output 24V                            | OD1 3 D   |
| H01       | Horn, air operated                    | OP1-1 2 C |
| H02       | Horn                                  | OP1-1 2 C |
| H02A      | Horn                                  | OP1-1 2 C |
| H06R      | Buzzer reverse                        | GC6 4 C   |
| H07       | Horn, Kneeling alarm                  | GC5 2 C   |
| H12       | Lamp. indicator emergency windows     | VE 4 D    |
| H13A      | SPEAKER SERVICE KIT                   | JA1A 2 B  |
| H13B      | SPEAKER, SERVICE KIT                  | JA1A 2 B  |
| H13C      | SPEAKER, SERVICE KIT                  | JA1A 3 B  |
| H13D      | SPEAKER SERVICE KIT                   | JA1A 4 B  |
| H13E      | SPEAKER, SERVICE KIT                  | JA1A 4 B  |
| H13F      | SPEAKER, SERVICE KIT                  | JA1A 3 C  |
| H13G      | SPEAKER, SERVICE KIT                  | JA1A 3 C  |
| H13H      | SPEAKER, SERVICE KIT                  | JA1A 4 C  |
| H13I      | SPEAKER, SERVICE KIT                  | JA1A 4 C  |
| H853      | Buzzer                                | OA2-1 0 C |
| H860      | Buzzer, over speed                    | IF1 2 D   |
| H5013     | Telltale, over speed                  | IF1 2 D   |
| K1        | SPEEDING ALARM RELAY                  | IF1 1 B   |
| K01L      | Electric Network Relay                | AH2 0 C   |
| K2        | Relay, Defroster speed 1              | HA4C 3 C  |
| K02       | Dhollandia, Relay                     | VA1 1 C   |
| K3        | Relay, Defroster speed 2              | HA4C 3 C  |
| K03       | Dhollandia, Relay                     | VA1 1 C   |
| K4        | Relay, Defroster speed 3              | HA4C 3 C  |
| K5        | NIGHT LIGHT                           | SB2A 1 B  |
| K05       | Reverse Camera Relay                  | UC3 1 C   |
| K6        | Relay, Seat Bealt                     | VF 2 C    |
| K07       | Relay, DRL                            | GC4 1 B   |
| K53       | Relay                                 | AD 2 B    |
| K60       | Relay                                 | AD 3 B    |
| K300      | Relay                                 | AD 2 C    |
| K345      | Relay, start inhibitor                | VD4 3 C   |
| K400      | Relay, Body arms                      | AD 3 B    |
| K400      | Relay, Body arms                      | BD 3 B    |
| K910      | Relay, fire protection                | VC1 1 C   |
| K912      | Relay TPMS                            | VD 3 C    |
| KML       | Relay, marking lights                 | GC3-1 1 C |
| KMLR      | Relay, Marking lights rear            | GC3-3 1 B |
| KMLRS     | Relay, Marking lights right side      | GC3-2 1 B |
| KSL       | Relay, spot lamp                      | IE3 0 C   |
| M10F      | Motor, front roof hatch               | HA 1 D    |
| M10R      | Motor, rear roof hatch                | HA 3 D    |
| M20       | Motor, Fan WC                         | OA2-1 3 C |
| M33       | Cooling pump, ESS                     | HA3 3 C   |
| M36       | Motor, webasto heater                 | HC1 1 E   |
| M37       | Motor, webasto pump                   | HC1 2 D   |
| M89       | Pump, WC Flush                        | OA2-2 3 B |

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| M94       | Fan 24V, WC Evacuation 1 Middle and Rear | OA2-2 1 C  |
| M117      | Motor Lift Wheelchair                    | VA1 1 D    |
| M650      | Wiper motor, windscreen                  | OO1 0 C    |
| M651      | Washer motor, windscreen                 | OO1 3 C    |
| M651B     | Motor, windshield wiper tank             | OO1 2 C    |
| M664      | Water pum, WC flushing                   | OA2-1 2 D  |
| M669      | Motor, Fan                               | OA2-1 3 C  |
| M671L     | Mirror Motor, Left Side                  | HB1D 2 D   |
| M671R     | Mirror Motor, Right Side                 | HB1D 3 D   |
| M672      | Motor, Sun visor                         | OJ2 2 D    |
| M6063     | Screen stepless, flap floor              | HA4C-1 3 D |
| M6063DOT  | Flap defroster - DOT                     | HA4C-1 4 D |
| M6064     | FAN, reheating system                    | HA3 1 D    |
| M6071     | Driver fan                               | HE1 3 C    |
| M6072     | Guide fan                                | HE1 3 C    |
| M6073     | Defroster                                | HA4C 1 D   |
| M6074     | Fan, Middle Door                         | VA1 2 C    |
| P1.360    | 360 View Display, SCT4                   | UC3 3 D    |
| P1.REV    | Reverse Display, BUPMON                  | UC3 1 D    |
| P02       | Diagnostic Unit, LED Indicator           | VG2 3 D    |
| P718US    | Connector, ECU Park Pilot                | VB1 1 B    |
| R1        | RESISTOR 120ohms, START CANB             | XJ2 0 C    |
| R01D      | Resistor, Switch Activation              | GC7 3 C    |
| R2        | RESISTOR 120ohms, START CANB             | XJ2 0 E    |
| R02D      | Resistor, Switch Activation              | OA1 1 C    |
| R03       | Heater, seat                             | PA2 1 C    |
| R04       | Lamp Indicator, WCL-MD Open Door         | VA1 4 C    |
| RSL       | Stop light, rear left                    | GC6 2 C    |
| RSR       | Stop light, rear right                   | GC6 3 C    |
| RSTL      | Lamp stop, tail dot                      | GC6 1 C    |
| RSTR      | Stop lamp, tail dot                      | GC6 3 C    |
| S23F      | Switch, front roof hatch                 | HA 1 C     |
| S23R      | Switch, rear roof hatch                  | HA 3 C     |
| S24D      | Limit Switch, Automatic Luggage          | OA1 3 C    |
| S79       | Switch, additional work lamps (reverse l | GC7 3 C    |
| S80       | Switch, Transcom                         | JB1 1 D    |
| S90       | Switch, Chassis B+                       | AD 0 C     |
| S94       | Switch, Seat Belt Indicator              | VF 2 D     |
| S101      | Switch, Door 2                           | PA2 1 C    |
| S116      | Switch, Interior light                   | IA1A 3 C   |
| S117      | Switch, Reading lights                   | SB2 4 B    |
| S118      | Switch, driver and guide fan             | HE1 1 C    |
| S132      | Switch, Destination Sign light           | SA 2 C     |
| S135      | Switch, Wheelchair lift                  | VA 0 B     |
| S137L     | Switch, Wheelchair lift Left Side        | VA 4 C     |
| S137R     | Switch, Wheelchair lift Right Side       | VA 4 C     |
| S139      | Switch, manual discharge                 | VC1 2 C    |
| S140      | Switch, Multichannel Actia               | JB1 3 D    |
| S142      | Switch,door brake high idle              | PA 0 C     |
| S143      | Switch, Automatic Luggage RHS            | OA1 1 C    |
| S144      | Switch, Hatch Lock WCL                   | VA 3 C     |
| S172J     | Micro-switch, hatch light                | ID3 1 C    |
| S173A     | Microswitch, Luggage lock Right Side     | ID3 4 D    |
| S173B     | Microswitch, Luggage lock Left Side      | ID3 0 C    |

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| S173C     | Microswitch, Luggage lock Left Side       | ID3 0 C   |
| S173D     | Microswitch, Luggage lock Left Side       | ID3 1 C   |
| S173F     | Microswitch, Luggage lock Right Side      | ID3 2 C   |
| S173G     | Microswitch, Luggage lock Right Side      | ID3 3 C   |
| S173H     | Microswitch, Luggage lock Right Side      | ID3 3 C   |
| S413      | Switch, Push Button Door 2 Door Service   | PC1A 3 C  |
| S422      | Switch, Door Lock WC Middle and Rear      | OA2-2 3 C |
| S424      | Switch, Push Button Alarm WC Middle and R | OA2-2 1 C |
| S425      | Switch, Push Button Flushing WC Middle an | OA2-2 2 C |
| S428      | Switch, Door Lock Door 2                  | PC1A 3 C  |
| S496      | Switch, Valve Reset Door 2                | PA2 3 C   |
| S503D2    | Switch Door Open Add Sensor Door 2        | PC1A 3 A  |
| S505D2    | Switch Pressure Door Open Door 2          | PC1A 1 B  |
| S506D2    | Switch Pressure Door Shut Door 2          | PC1A 1 B  |
| S507D2    | Switch Pressure Door Supply Door 2        | PC1A 1 B  |
| S512B     | Switch WC Remote Emptying Behind Mirror   | OA2-2 4 C |
| S515D2    | Switch In door emergency valve Door 2     | PC1A 2 C  |
| S911      | Switch Reset, Emergency lights            | VG1A 2 D  |
| S1107     | Switch, Door lock                         | PA1 3 C   |
| S1111     | Switch, Central lock                      | UB1A 1 C  |
| S1115     | Switch, Service door                      | PA1 1 C   |
| S1141     | Switch, Gas Charging                      | HA2 4 B   |
| S1144     | Switch, Driver & guide light              | IE3 3 C   |
| S1147A    | Switch, inside front door                 | PA 3 D    |
| S1147B    | Switch, outside front door                | PA 3 C    |
| S1148     | Switch, Night light Service Kit           | SB2C 2 C  |
| S1148a    | Switch, Light Under Seat                  | IB1 3 C   |
| S1150     | Switch, Position lights                   | GC3-1 3 C |
| S1151     | Switch toilet, general                    | OA1-3 2 C |
| S1153     | Flushing button, WC                       | OA2-1 1 C |
| S1154     | Sensor, PIR                               | OA2-1 4 C |
| S1155     | Emergency button                          | OA2-1 0 C |
| S1156     | Sensor, principal tank                    | OA2-1 1 D |
| S1157     | Sensor, soil tank                         | OA2-1 1 D |
| S1164     | Switch, mirrors                           | HB1D 2 B  |
| S1165     | Switch, mirror heater                     | HB1D 1 C  |
| S1166     | Switch, Sun visor                         | OJ2 2 C   |
| S1167     | Switch, Reading light WCL door            | SB2B 3 C  |
| S1168     | Switch, WCL host call                     | VB 3 C    |
| S1169     | Switch, reading lamps dashboard           | SB2B 1 C  |
| S2016H    | Switch, High Pressure                     | HA2 2 C   |
| S2016L    | Switch, Low Pressure                      | HA2 2 C   |
| S7071     | Level sensor, windshield wiper tank       | OO1 4 C   |
| S9074     | Pressure switch                           | PB2A 3 C  |
| S9075     | Pressure sensor                           | PB2A 4 B  |
| S9076     | Micro-switches, berth                     | PB2A 2 B  |
| S9077     | Switch, MCM service                       | BD 2 C    |
| T901      | Voltage converter                         | OD1 0 C   |
| T901A     | Voltage converter                         | OD1 2 C   |
| T902      | Voltage converter, TPMS                   | OD1 3 C   |
| TD7DIA    | TD7, Diagnosis                            | OV1 2 B   |
| TD7DIS    | TD7, Display                              | OV1 1 B   |
| TD7ODO    | TD7, Odometer                             | OV1 2 B   |
| TWS       | Terminal, Threshold Warning System        | VA 1 D    |

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| U903      | INVERTER, 24 DC TO 110 AC 2300 W          | AH2 1 C   |
| X12DVR    | Output 12V, Cigarette                     | OD1 2 D   |
| X16       | Fire extinguisher                         | VC1 3 D   |
| X17A      | Mobitec, connector                        | SA3 3 B   |
| X17B      | Mobitec, connector                        | SA3 3 B   |
| X17C      | Aesys Preparation, Destination Sign       | SA3 1 B   |
| X17D      | Aesys Preparation, Destination Sign       | SA3 1 B   |
| X701      | Junction box, B+                          | AD 1 D    |
| X801.A    | MEDIA BRACKET ISTART                      | AD 2 B    |
| X902A     | Driver loudspeaker                        | JA1A 0 D  |
| X902B     | Driver loudspeaker                        | JA1A 0 D  |
| X902E     | Connector loudspeaker, bridge arrangement | JA1A 0 C  |
| X902F     | Connector loudspeaker, bridge arrangement | JA1A 1 C  |
| X905      | VPDU Rear Without Preheat Relay           | AD 4 A    |
| XA7       | Output connector, amplifier               | JB2 2 A   |
| XA8       | Output connector, amplifier               | JB3 2 A   |
| XH13      | Connector, bridge speaker harness         | JA1A 1 C  |
| XKID1     | Kidde, protection panel                   | VC1 2 A   |
| XSK2      | Light, service kit                        | SB2 0 D   |
| XSK3      | Light, service kit                        | SB2 2 D   |
| XSK4      | Connector, service kit WCL                | SB2A 2 E  |
| XSKR      | Connector, service kit                    | SB2A 1 D  |
| Y010      | Valve, Automatic Luggage Open             | OA1 2 C   |
| Y02C      | Valve, Automatic Luggage Close            | OA1 2 C   |
| Y79       | Roof valve, heating system                | HC1 1 D   |
| Y80       | Passenger valve, heating system           | HC1 0 D   |
| Y82       | Valve Defroster, Heating System           | HC1 0 D   |
| Y90       | Valve, Bypass                             | HC1 0 D   |
| Y209      | Valve Flushing WC Middle and Rear         | OA2-2 4 B |
| Y210      | Valve Flushing WC Middle and Rear         | OA2-2 4 D |
| Y221      | Solenoid valve Sludge tank sewer system   | OA2-2 0 B |
| Y223D2    | Solenoid valve unit MTS2 Door 2           | PC1A 1 D  |
| Y224      | Lower gate valve Toilet bowl              | OA2-2 0 C |
| Y932      | Proportional valve, Hubner                | OA2-1 2 C |
| Y952      | Compressor, Clutch                        | HA2 2 D   |
| Y952A     | Valve, Discharge                          | HA2 3 D   |
| Y6009     | Defroster valve, AC                       | HA4C 1 C  |
| Y6014     | Solenoid valve                            | UB1A 3 C  |
| Y6015     | Solenoid valve, door                      | PB2A 2 D  |
| Y6042     | Valve, Isonic pneumatic                   | OA2-1 0 D |
| Y6070     | Solenoid valve, auxiliary step            | PB2A 3 D  |

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| WA2:3   | BE 0 B   |
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| WA8:3  | BE 0 C |
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| WA8:6  | BE 1 C |
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| WA8:8  | BE 1 C |
| WA8:9  | BE 1 C |
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| WA9:3  | BE 0 D |
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