

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

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Document Title  
**WIRING DIAGRAM  
B13R EU5 / OBD13**

**VOLVO**

Volvo Bus Corporation

Document Type  
**PRODUCT SCHEMATIC**

Owner Domain: Document Prefix

|                                |                          |                            |                         |
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## ABBREVIATIONS

|                |                                            |             |                                            |
|----------------|--------------------------------------------|-------------|--------------------------------------------|
| <b>AC</b>      | Air Condition                              | <b>IJ</b>   | Inlet Jet                                  |
| <b>Acp</b>     | Accelerator Pedal                          | <b>Ind</b>  | Indicator                                  |
| <b>AI</b>      | Analogue Input                             | <b>Inj</b>  | Injection                                  |
| <b>Amb</b>     | Ambient                                    | <b>JK</b>   | Jack-knife                                 |
| <b>AO</b>      | Analogue Output                            | <b>KL</b>   | Key Line                                   |
| <b>ARC</b>     | Air Regeneration Control                   | <b>L</b>    | Low                                        |
| <b>ARMS</b>    | Automatic Reset Main Switch                | <b>LCP</b>  | Light Control Panel                        |
| <b>BHSA</b>    | Brake Hill Start Aid                       | <b>LDI</b>  | Low Digital Input                          |
| <b>Brk</b>     | Brake                                      | <b>LDO</b>  | Low Digital Output                         |
| <b>Buf</b>     | Buffered                                   | <b>LS</b>   | Low Side                                   |
| <b>C</b>       | Closing                                    | <b>Nd</b>   | Needle                                     |
| <b>CampL</b>   | Campaign Lights                            | <b>O</b>    | Output                                     |
| <b>Cent</b>    | Centering                                  | <b>OV</b>   | Overflow                                   |
| <b>Ctrl</b>    | Control                                    | <b>OP</b>   | Opening                                    |
| <b>Cyl</b>     | Cylinder                                   | <b>PCV</b>  | Pressure Control Valve                     |
| <b>Dash</b>    | Dashboard                                  | <b>Plo</b>  | Plough                                     |
| <b>Deliv</b>   | Delivery                                   | <b>PR</b>   | Pressure Regulator                         |
| <b>DI</b>      | Digital Input                              | <b>Pres</b> | Pressure                                   |
| <b>Diag</b>    | Diagnostic                                 | <b>Pos</b>  | Position                                   |
| <b>Dir</b>     | Direction                                  | <b>PWM</b>  | Pulse Width Modulation                     |
| <b>Dis</b>     | Disable                                    | <b>Rad</b>  | Radiator                                   |
| <b>DO</b>      | Digital Output                             | <b>RAI</b>  | Resistance Analogue Input                  |
| <b>DRL_RMC</b> | Daytime Running Light/Reduced Mode Control | <b>Red</b>  | Reductor                                   |
| <b>EACC</b>    | Electric Air Compressor Control            | <b>Rel</b>  | Relay                                      |
| <b>ECB</b>     | VBC, Engine Compressor Brake               | <b>Req</b>  | Request                                    |
| <b>ECU</b>     | Electronic Control Unit                    | <b>RES</b>  | Input for Sensors with Variable Resistance |
| <b>ECU_GND</b> | External Ground                            | <b>Ret</b>  | Retarder                                   |
| <b>EGR</b>     | Exhaust Recirculation, valve               | <b>Sen</b>  | Sensor                                     |
| <b>EMT</b>     | Exhaust Manifold Temperature               | <b>Sign</b> | Signal                                     |
| <b>Eng</b>     | Engine                                     | <b>Sno</b>  | Snow                                       |
| <b>EPG</b>     | Exhaust Pressure Governor                  | <b>Sp</b>   | Speed                                      |
| <b>ES</b>      | Engine Synchronization                     | <b>St</b>   | Start                                      |
| <b>ETCC</b>    | Exhaust Temperature Catalytic Converter    | <b>Stp</b>  | Stop                                       |
| <b>Ext</b>     | External                                   | <b>SV</b>   | Supply Voltage                             |
| <b>GND</b>     | Signal Ground                              | <b>Sw</b>   | Switch                                     |
| <b>H</b>       | High                                       | <b>Temp</b> | Temperature                                |
| <b>Haz</b>     | Hazard                                     | <b>Tor</b>  | Torque                                     |
| <b>HDI</b>     | High Digital Input                         | <b>UBat</b> | Feed Directly from Battery                 |
| <b>HDO</b>     | High Digital Output                        | <b>VEB</b>  | Volvo Engine Brake                         |
| <b>HLa</b>     | HeadLamps                                  | <b>Veh</b>  | Vehicle                                    |
| <b>HS</b>      | High Side                                  |             |                                            |
| <b>Hyd</b>     | Hydraulic                                  |             |                                            |

**VOLVO**

Volvo Truck Corporation

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## WIRING DIAGRAM AA



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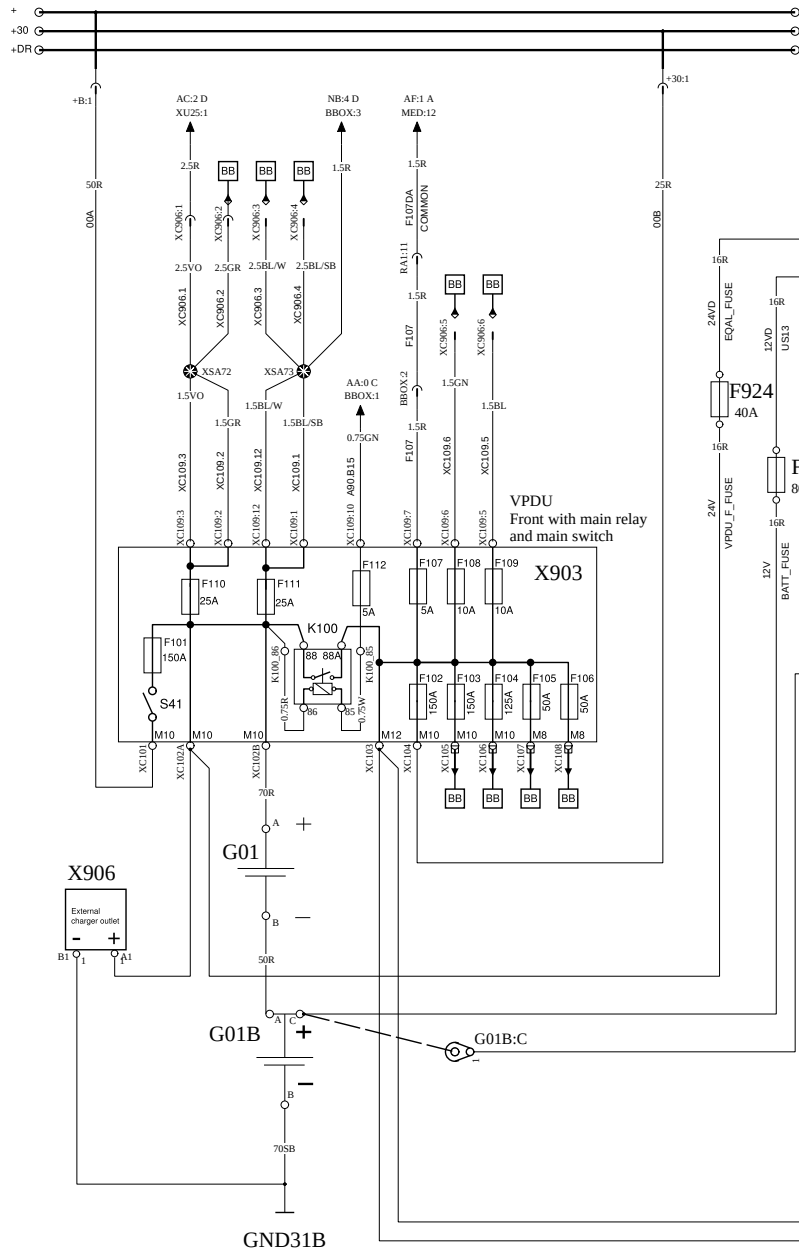
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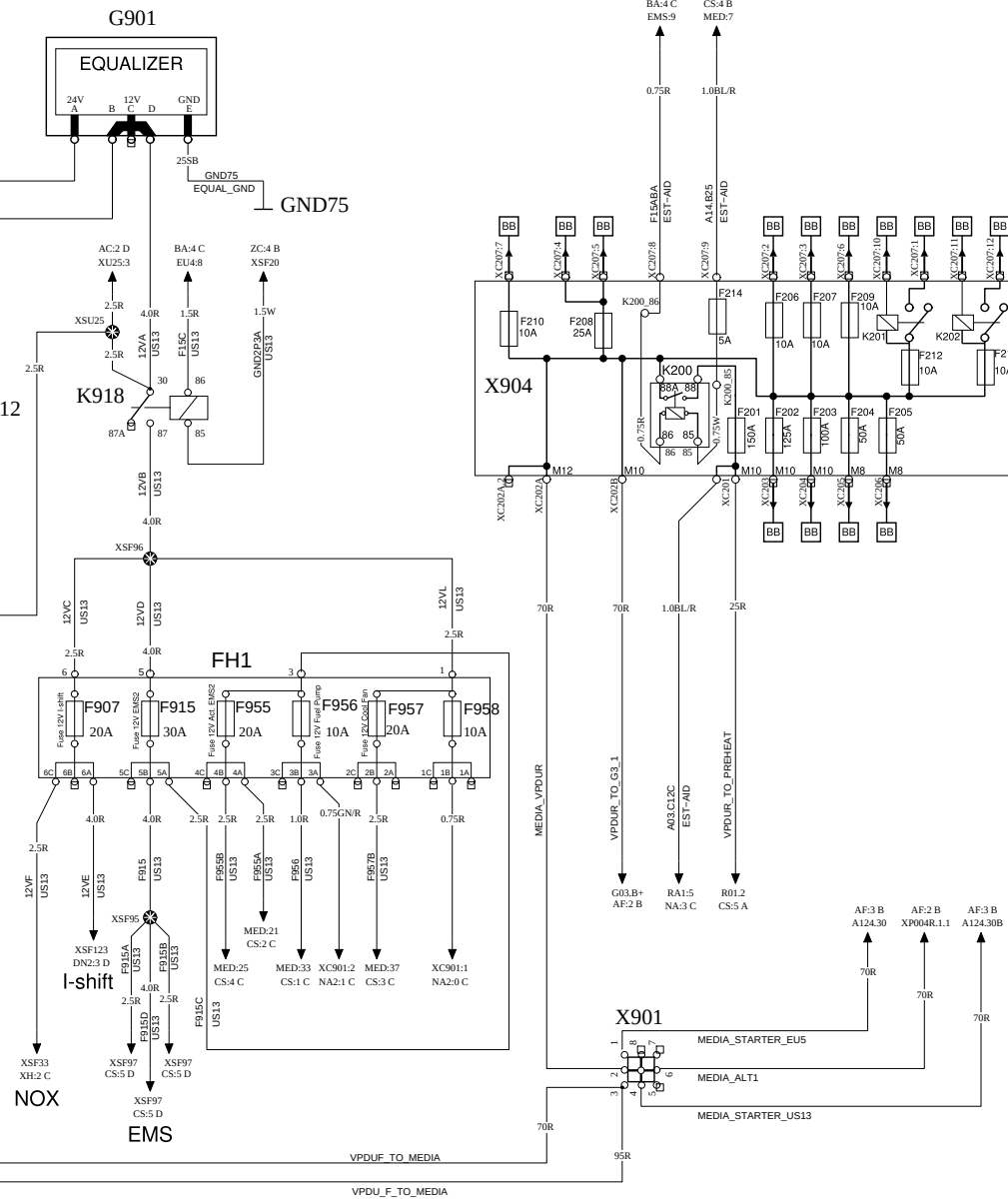
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## POWER SUPPLY

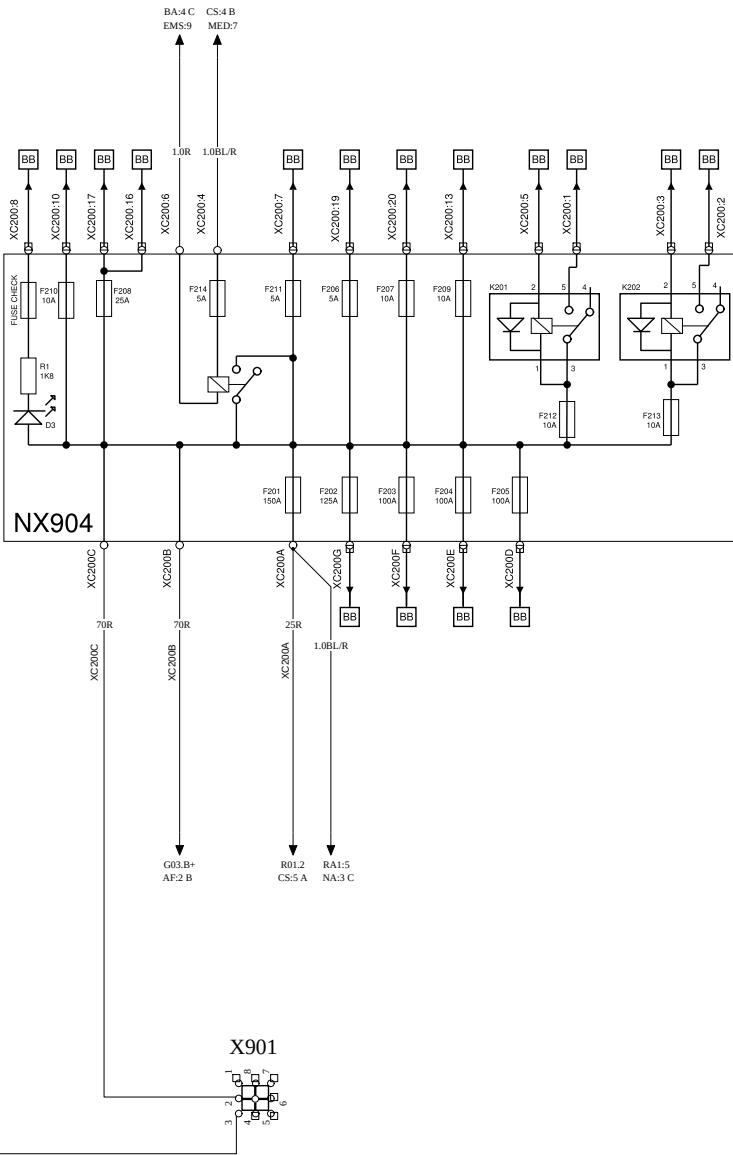
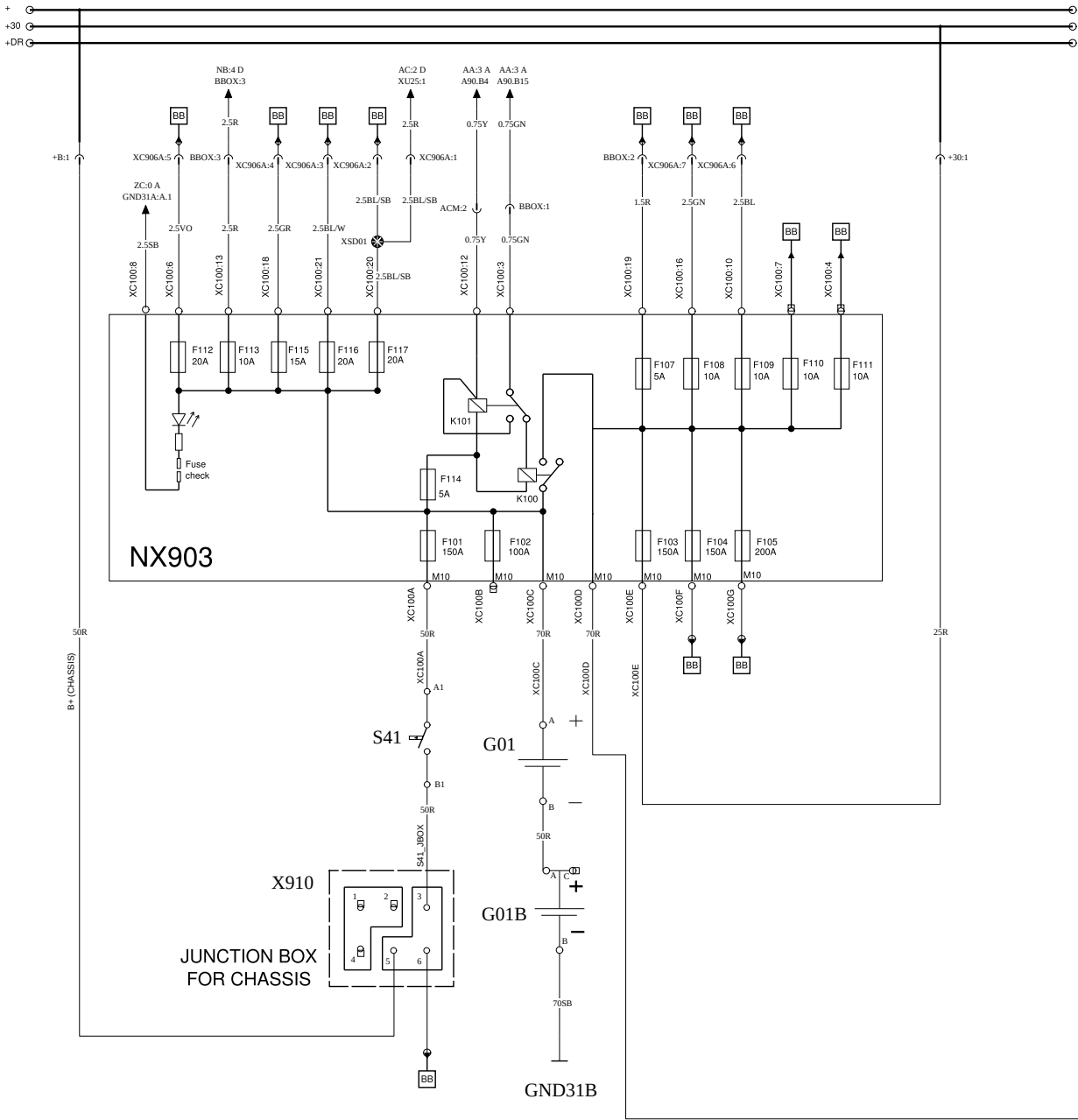


## WIRING DIAGRAM AB



# NVPDUF & NVPDUR

# WIRING DIAGRAM AB2





## WIRING DIAGRAM AF



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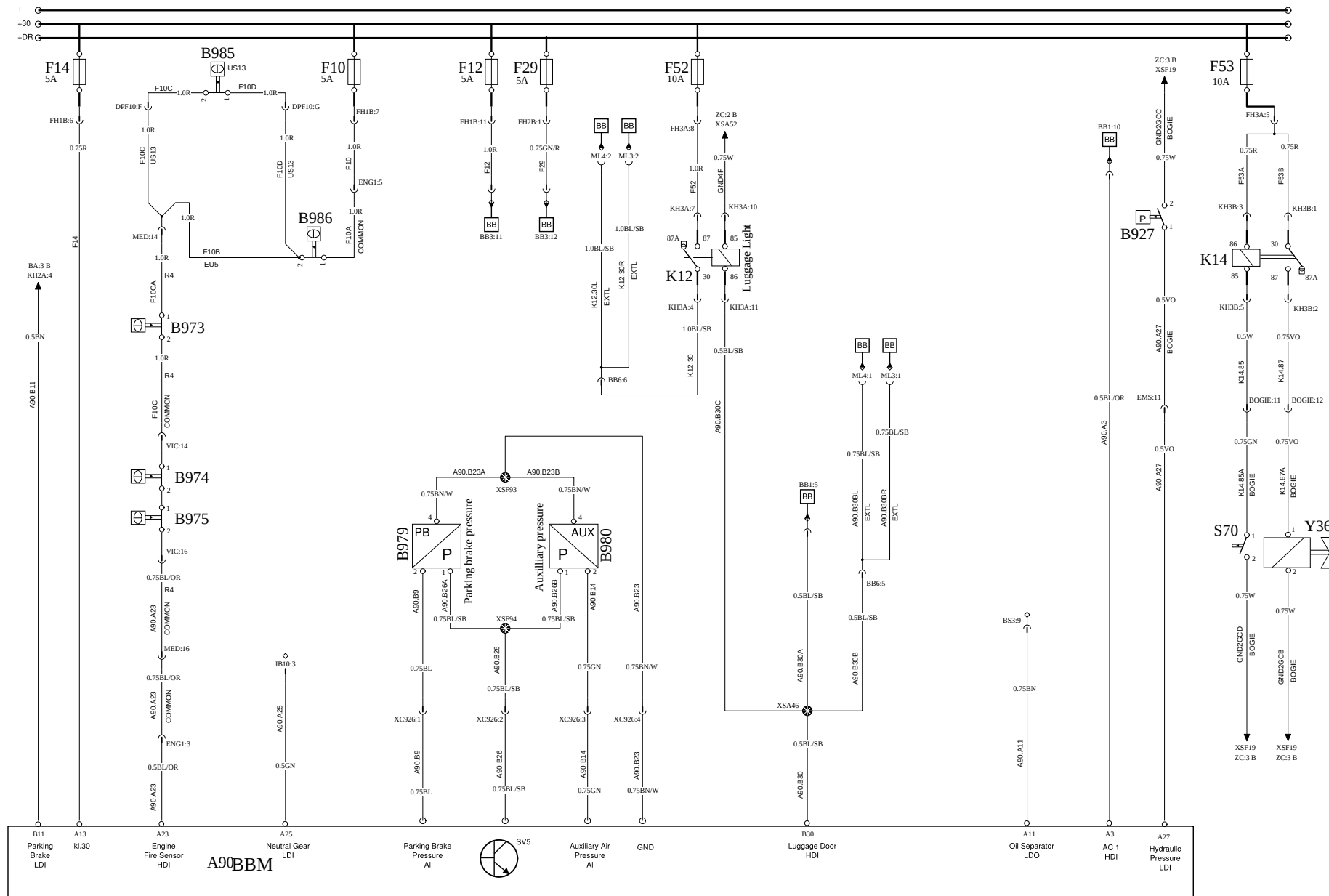




## BBM

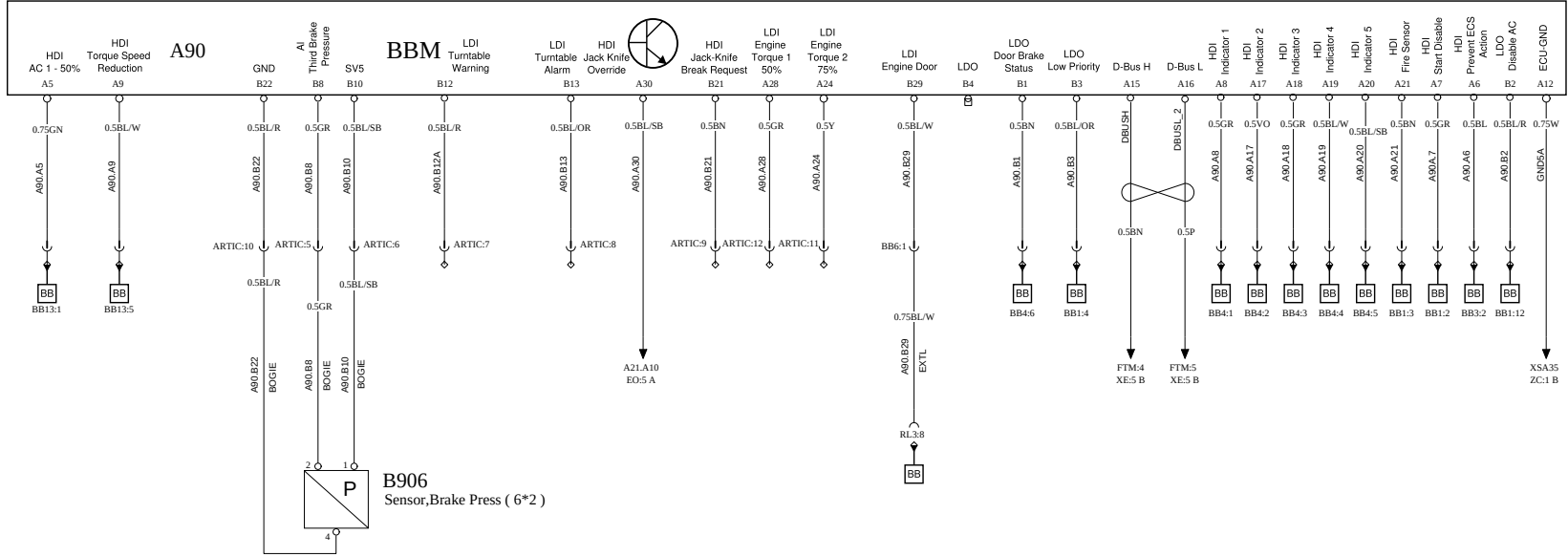
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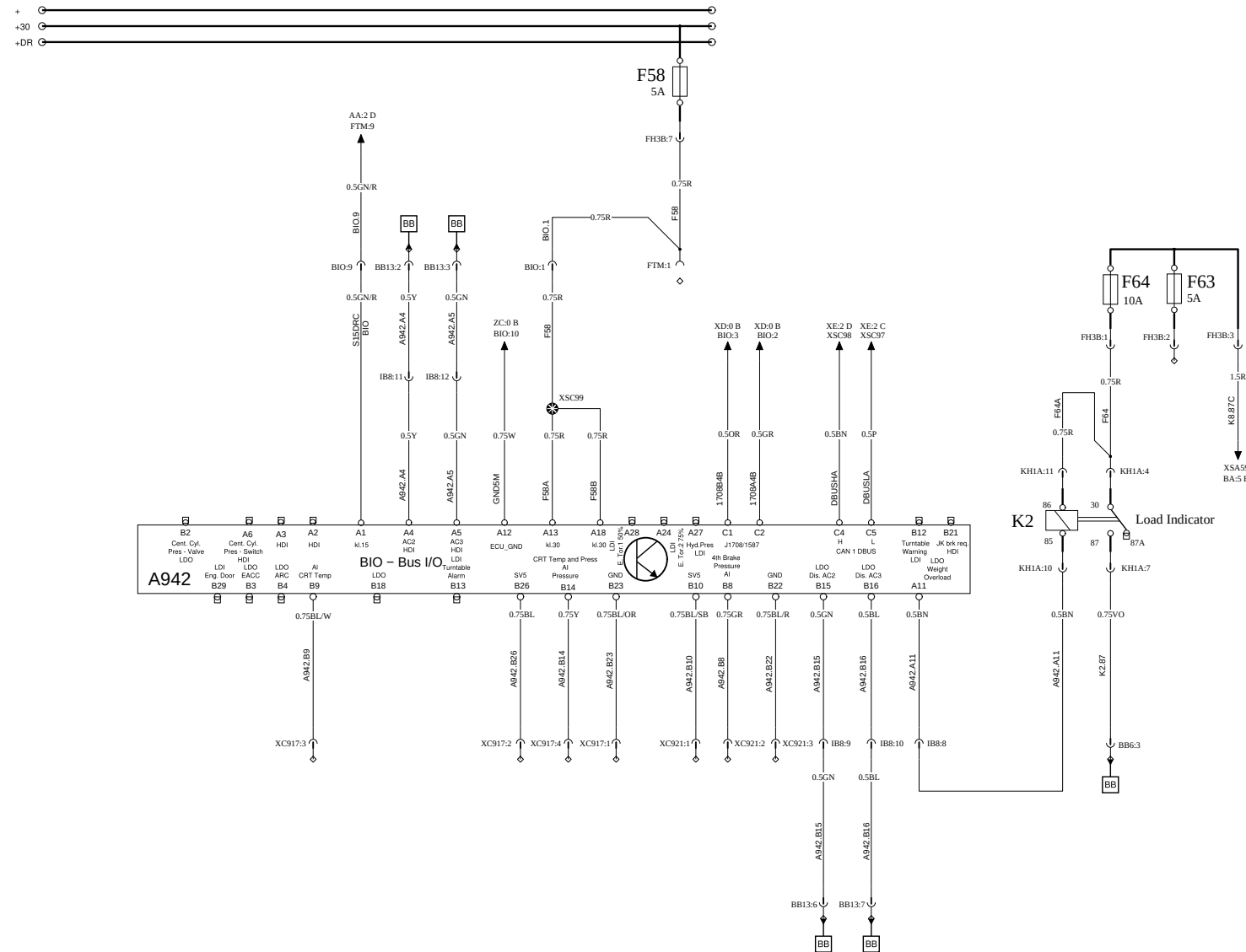
## WIRING DIAGRAM BB



BODY BUILDER MODULE

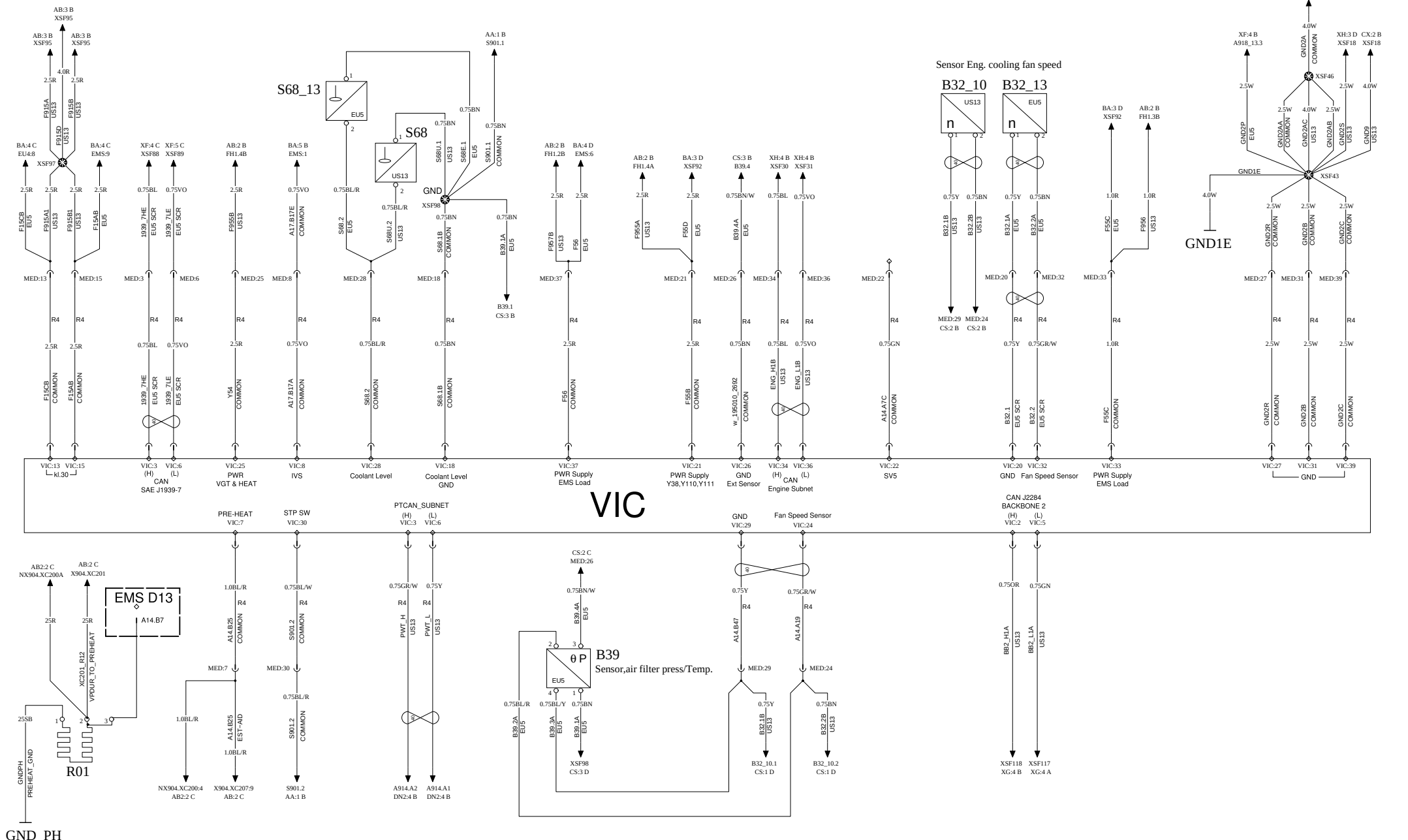
WIRING DIAGRAM BC





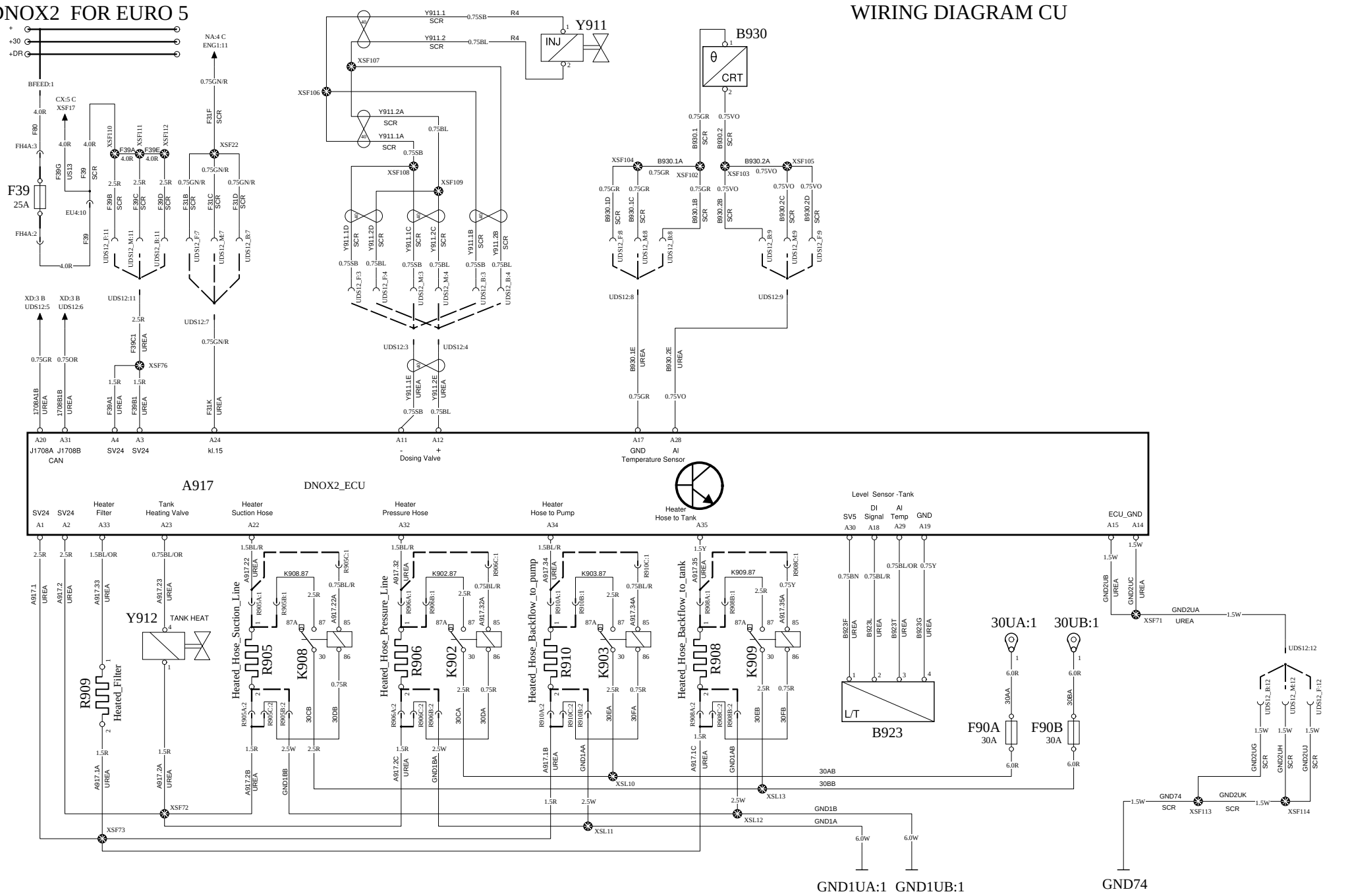
# ENGINE INTERFACE D13

# WIRING DIAGRAM CS



DNOX2 FOR EURO 5

WIRING DIAGRAM CU

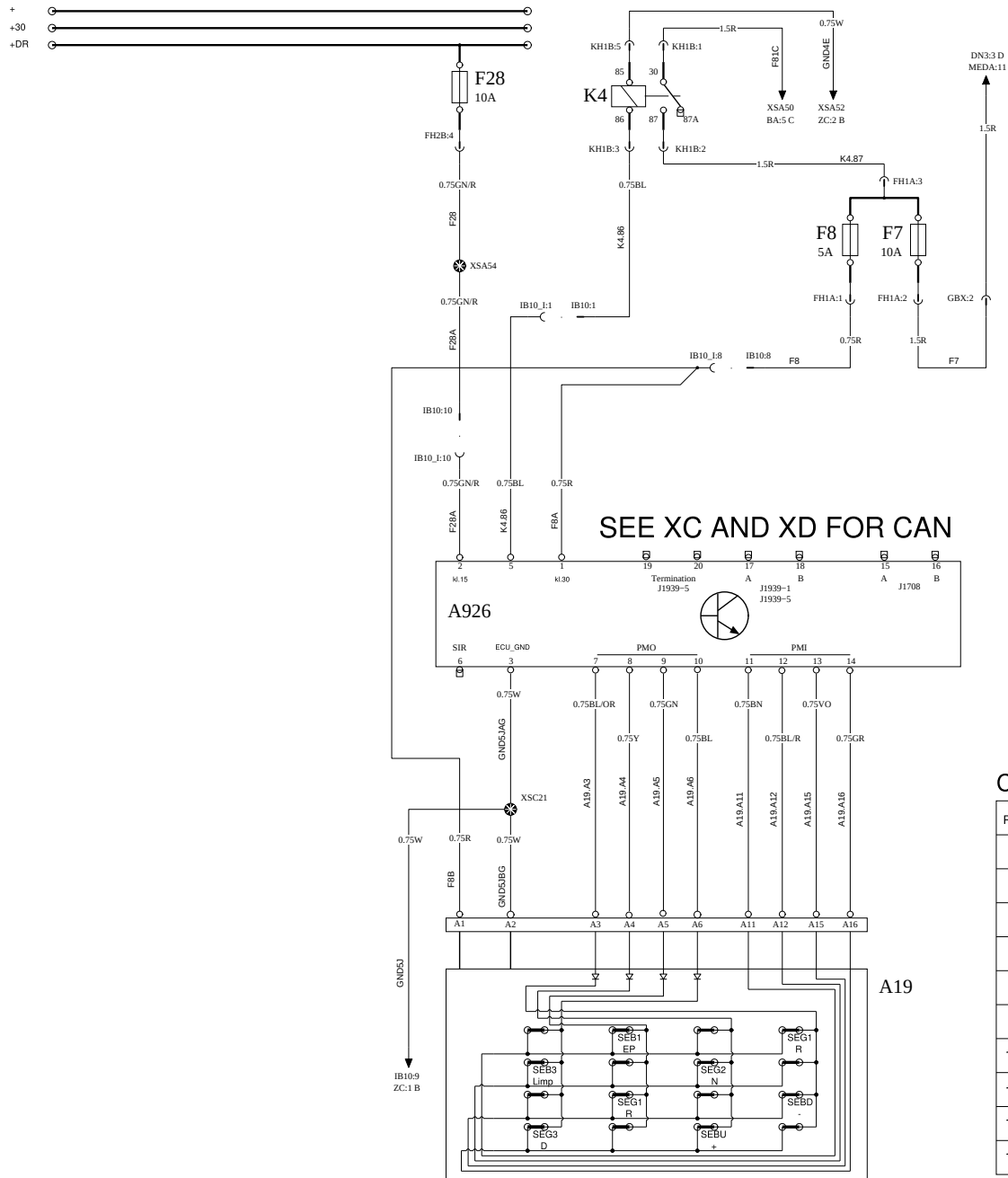




# I-SHIFT

# GEAR LEVER

# WIRING DIAGRAM DN



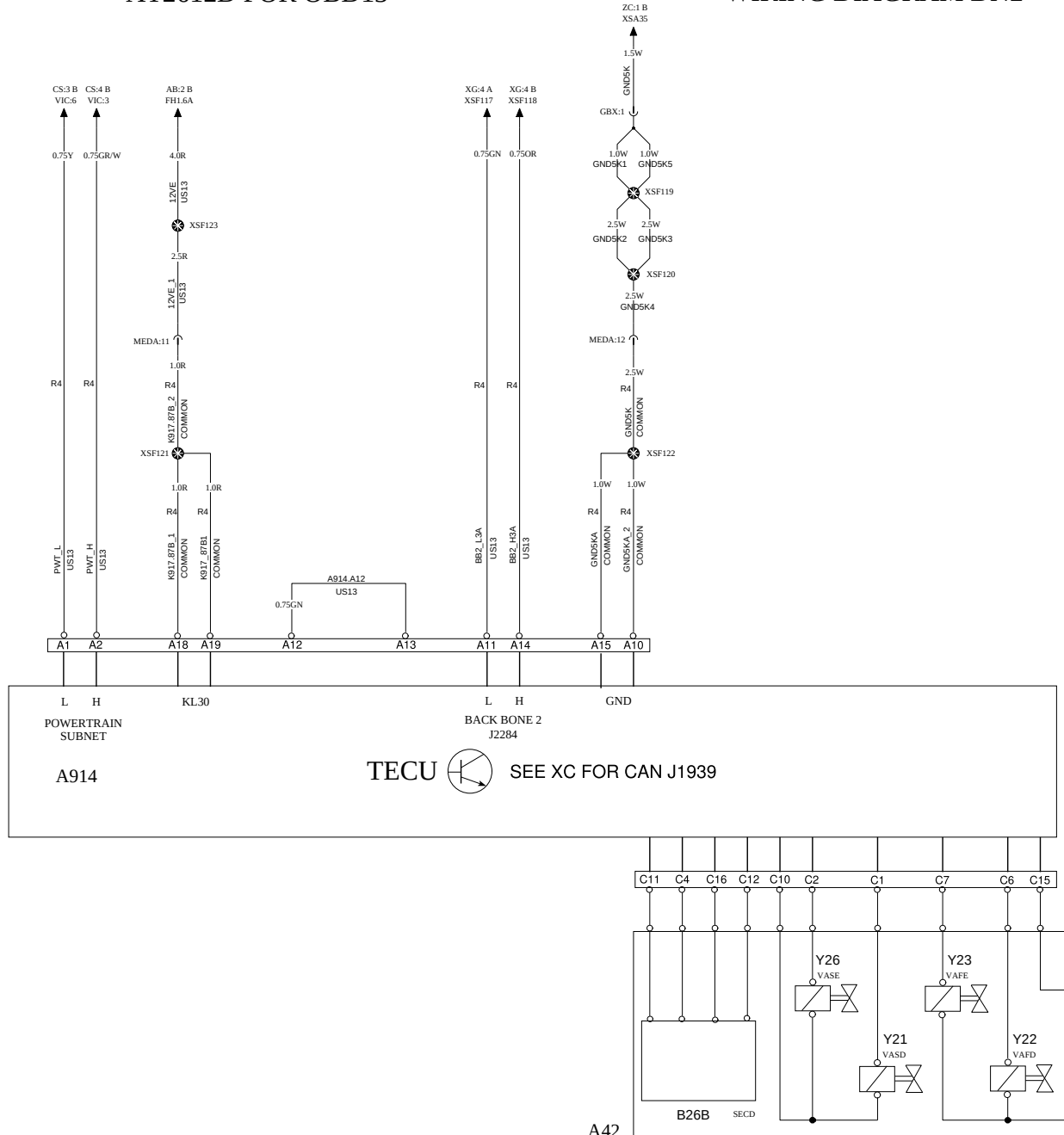
## CONNECTIONS FOR GEAR LEVER

| PIN | SIGNAL NAME | ASSIGNMENT      |
|-----|-------------|-----------------|
| 1   | UBATT       | MAIN SUPPLY     |
| 2   | GND         | MAIN GROUND     |
| 3   | INP1        | MATRIX INPUT 1  |
| 4   | INP2        | MATRIX INPUT 2  |
| 5   | INP3        | MATRIX INPUT 3  |
| 6   | INP4        | MATRIX INPUT 4  |
| 11  | OUP1        | MATRIX OUTPUT 1 |
| 12  | OUP2        | MATRIX OUTPUT 2 |
| 15  | OUP3        | MATRIX OUTPUT 3 |
| 16  | OUP4        | MATRIX OUTPUT 4 |

I-SHIFT

AT2612D FOR OBD13

WIRING DIAGRAM DN2

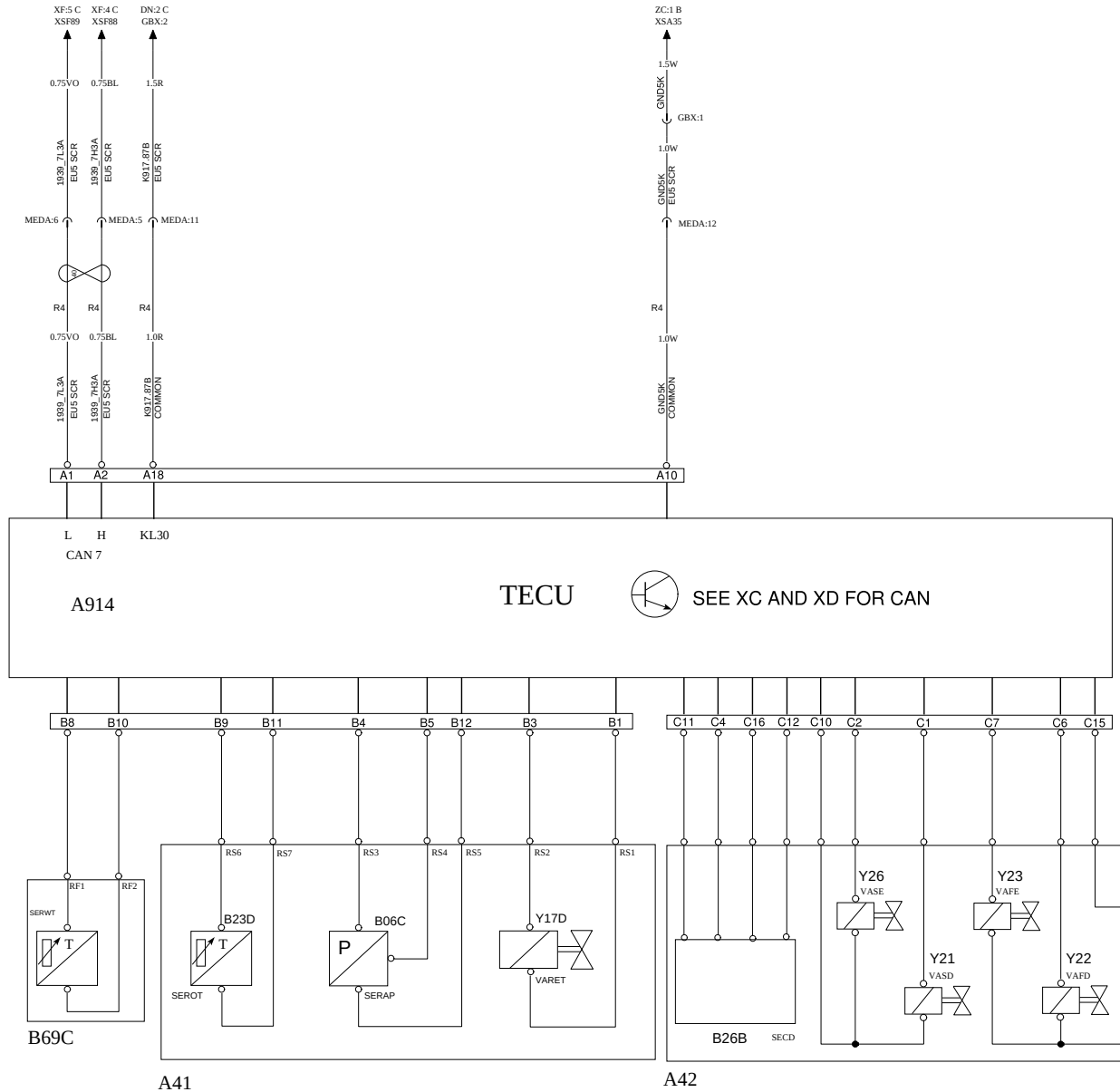




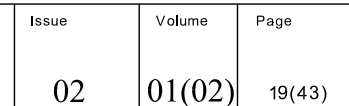
I-SHIFT

AT2612D FOR EURO 5

WIRING DIAGRAM DN3

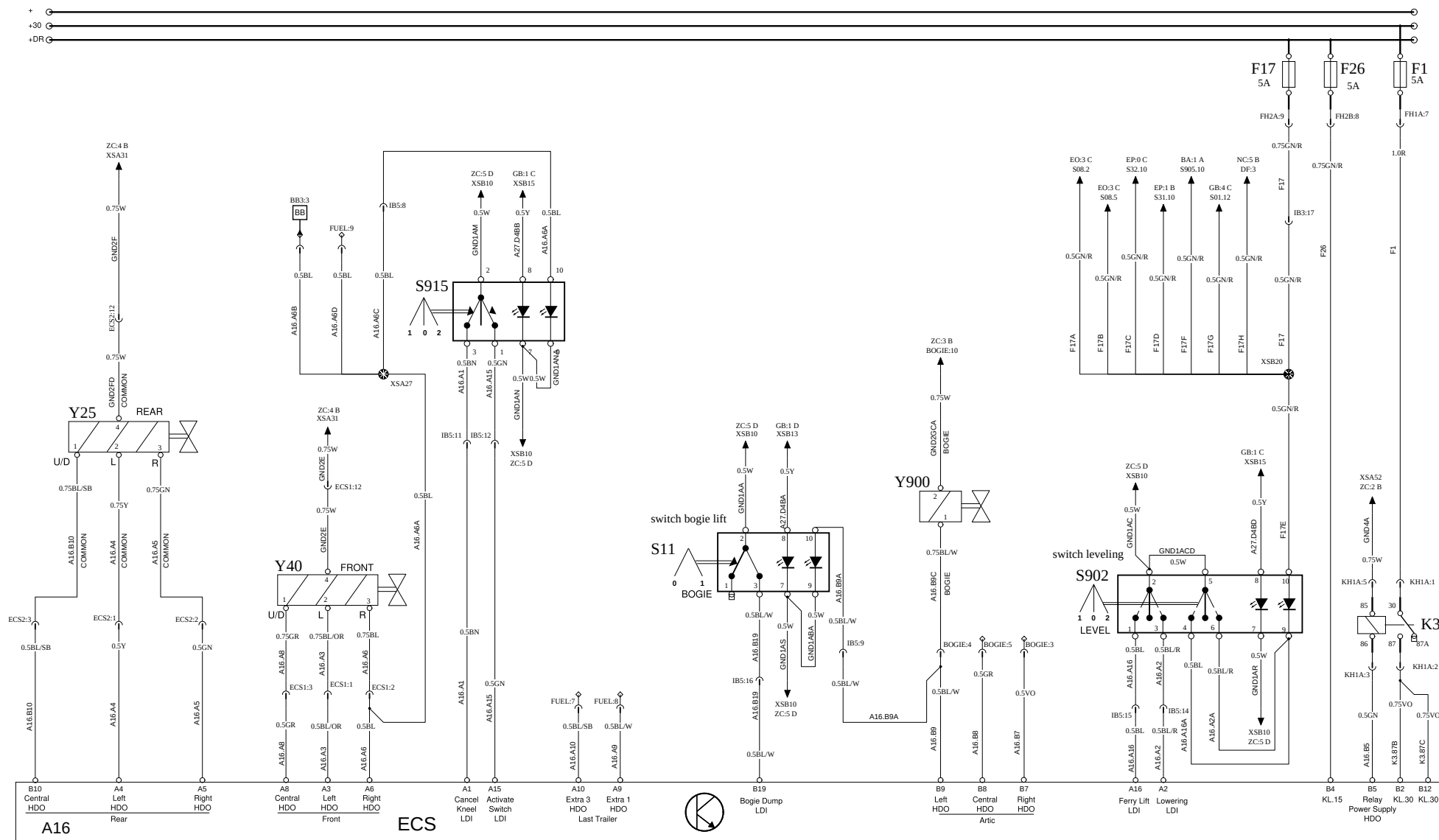






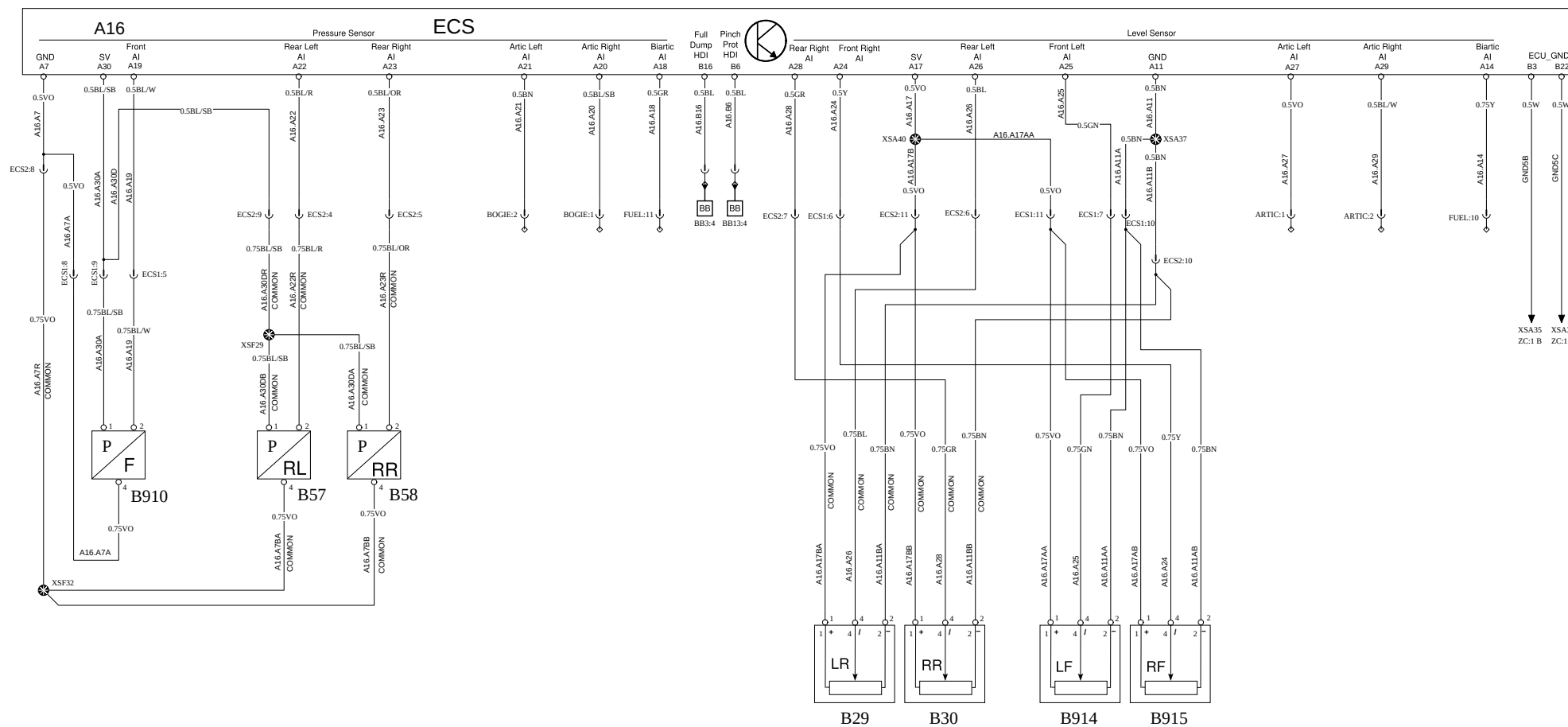
# AIR SUSPENSION ECS

# WIRING DIAGRAM FA



# AIR SUSPENSION ECS

# WIRING DIAGRAM FB

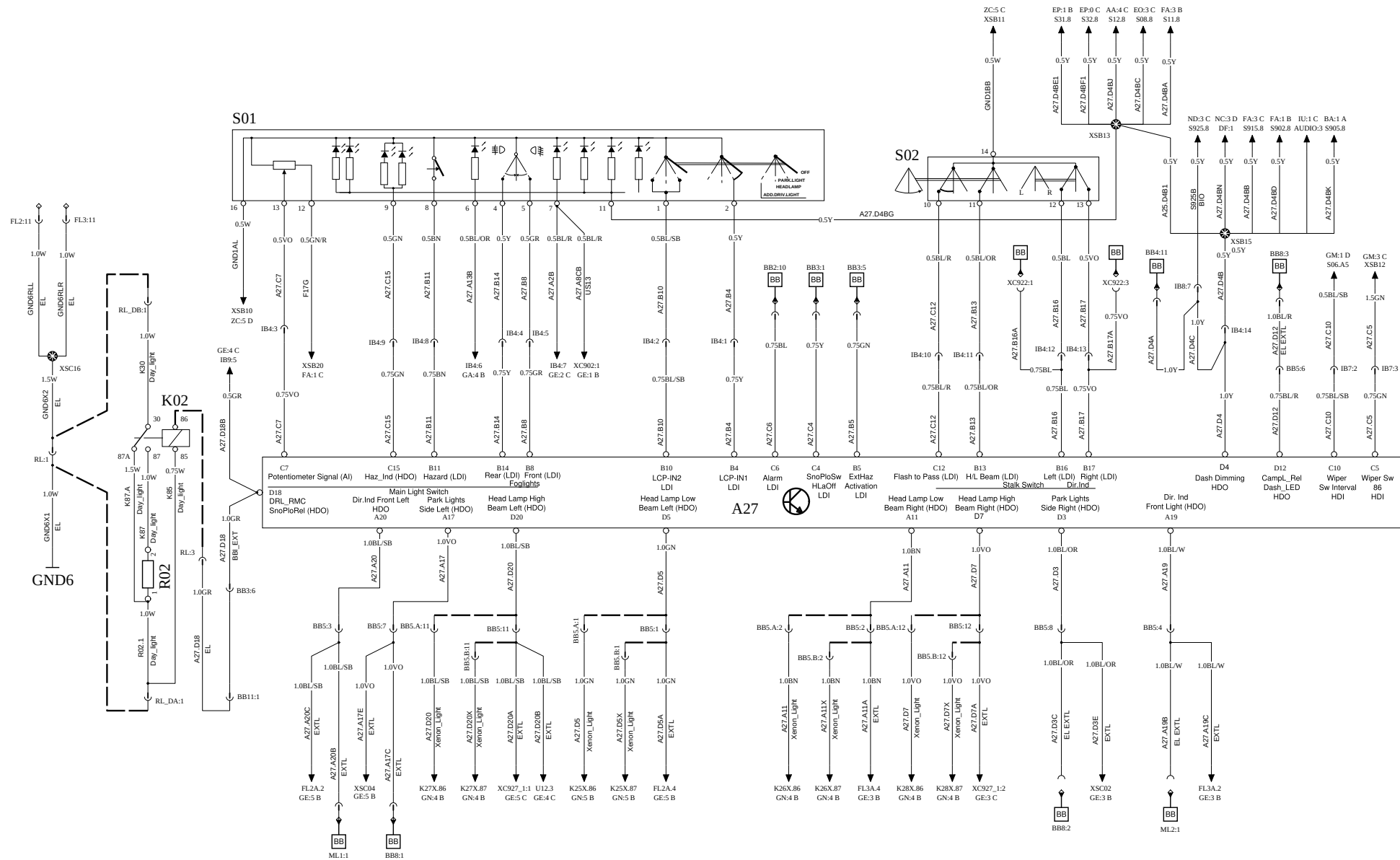




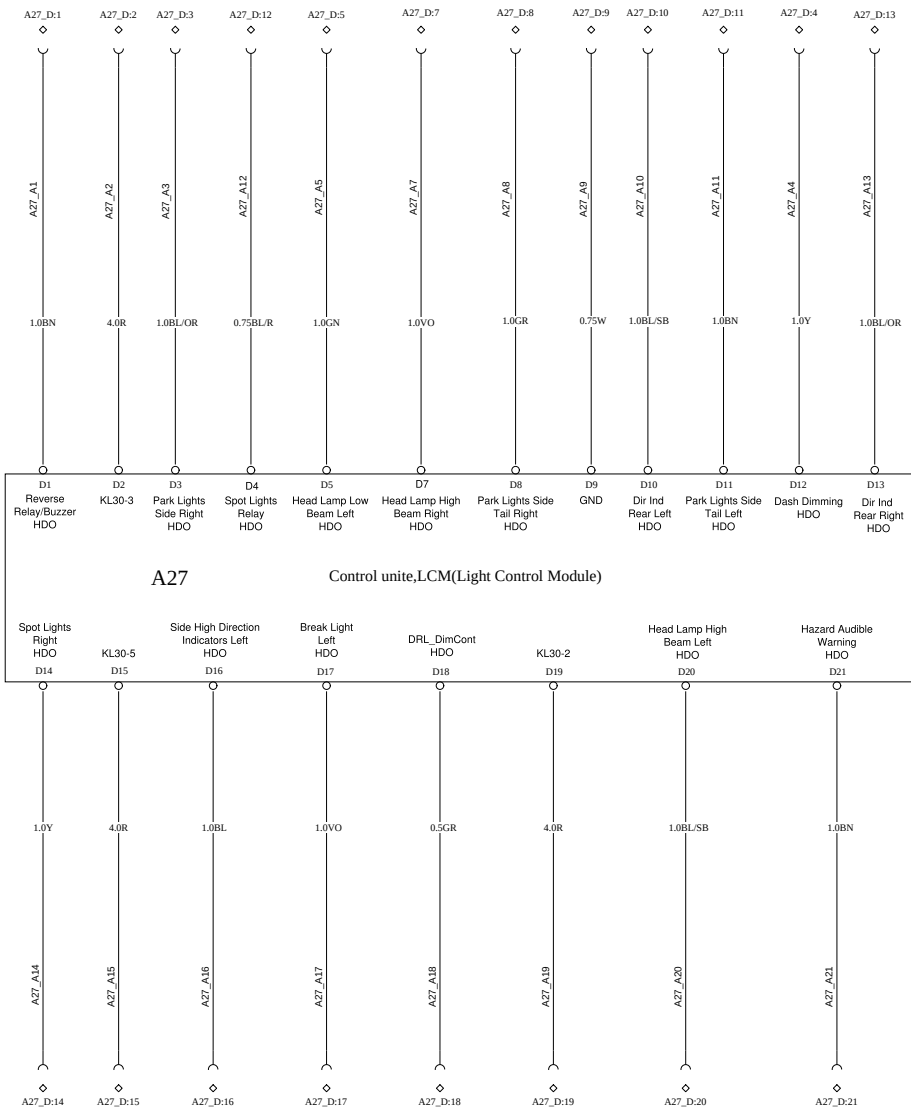
## LCM

## FRONT LIGHTS

# WIRING DIAGRAM GB



TO BE CONNECTED INTO ELECTRICAL CENTER WIRING HARNESS



ADAPTER TO BE USED ON SLCM8 FOR OBD13 BUSES.

TO BE CONNECTED INTO ELECTRICAL CENTER WIRING HARNESS



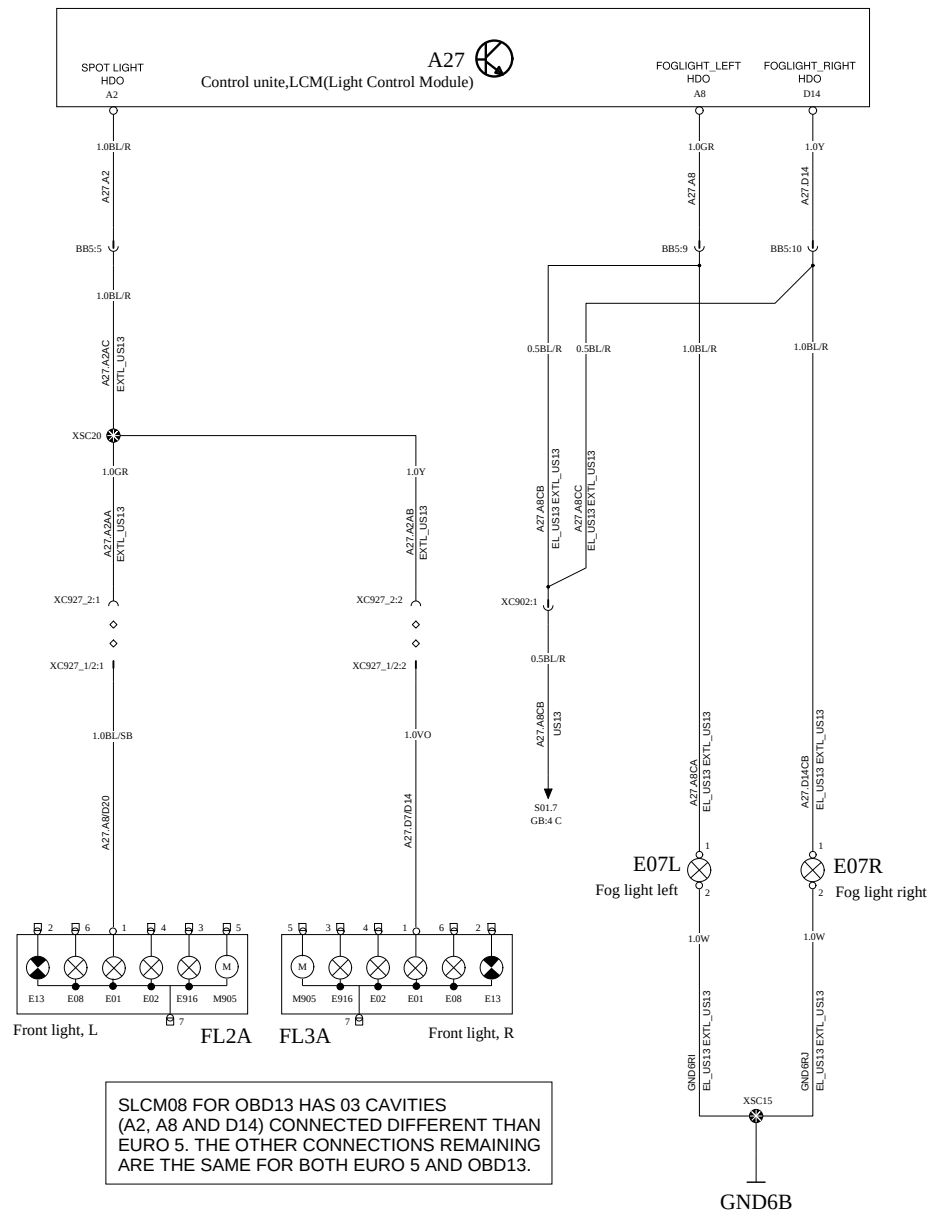
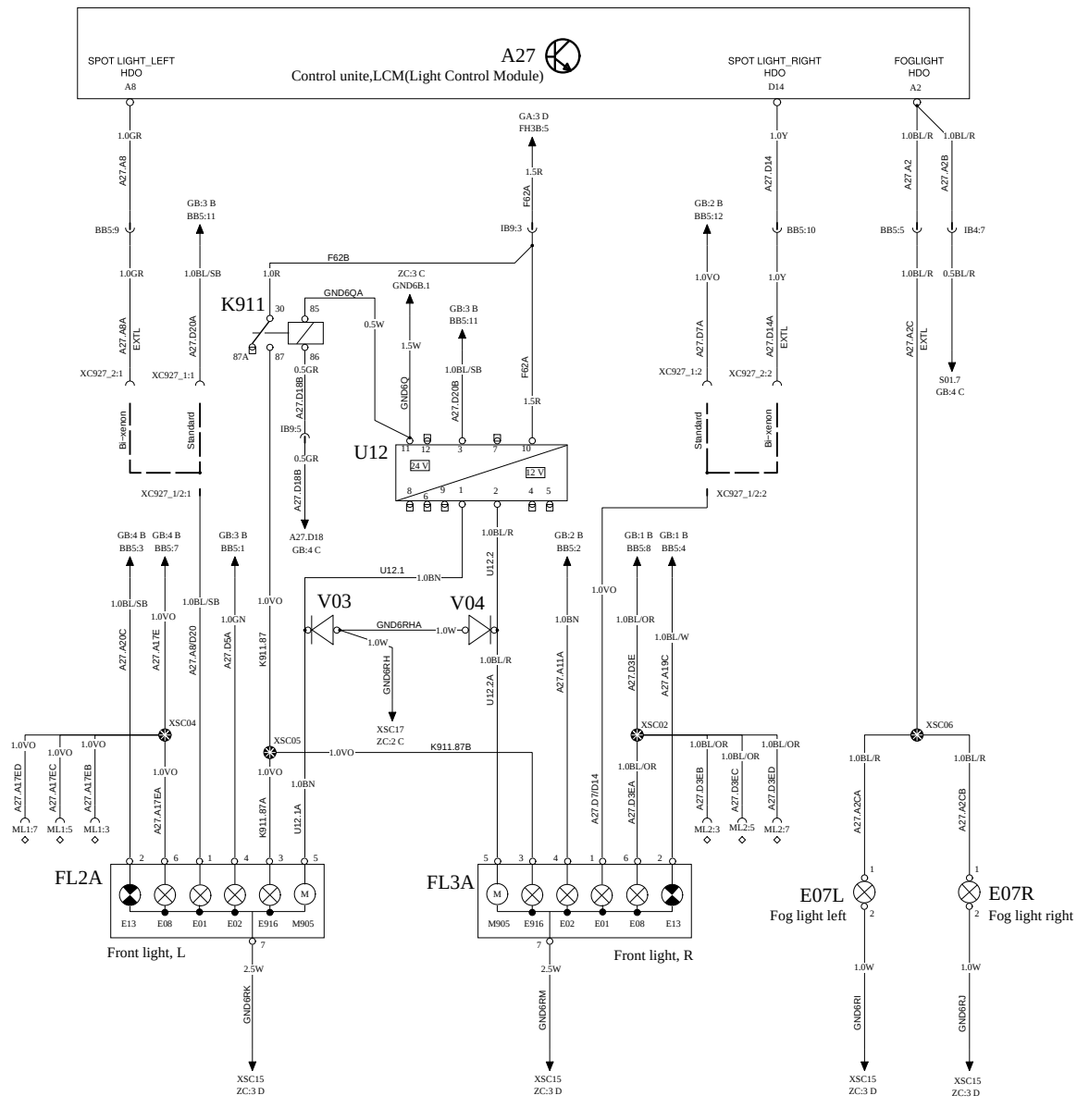
LCM  
FRONT LIGHT

BI-XENON LIGHT

WIRING DIAGRAM GE

SLCM FOR EURO 5

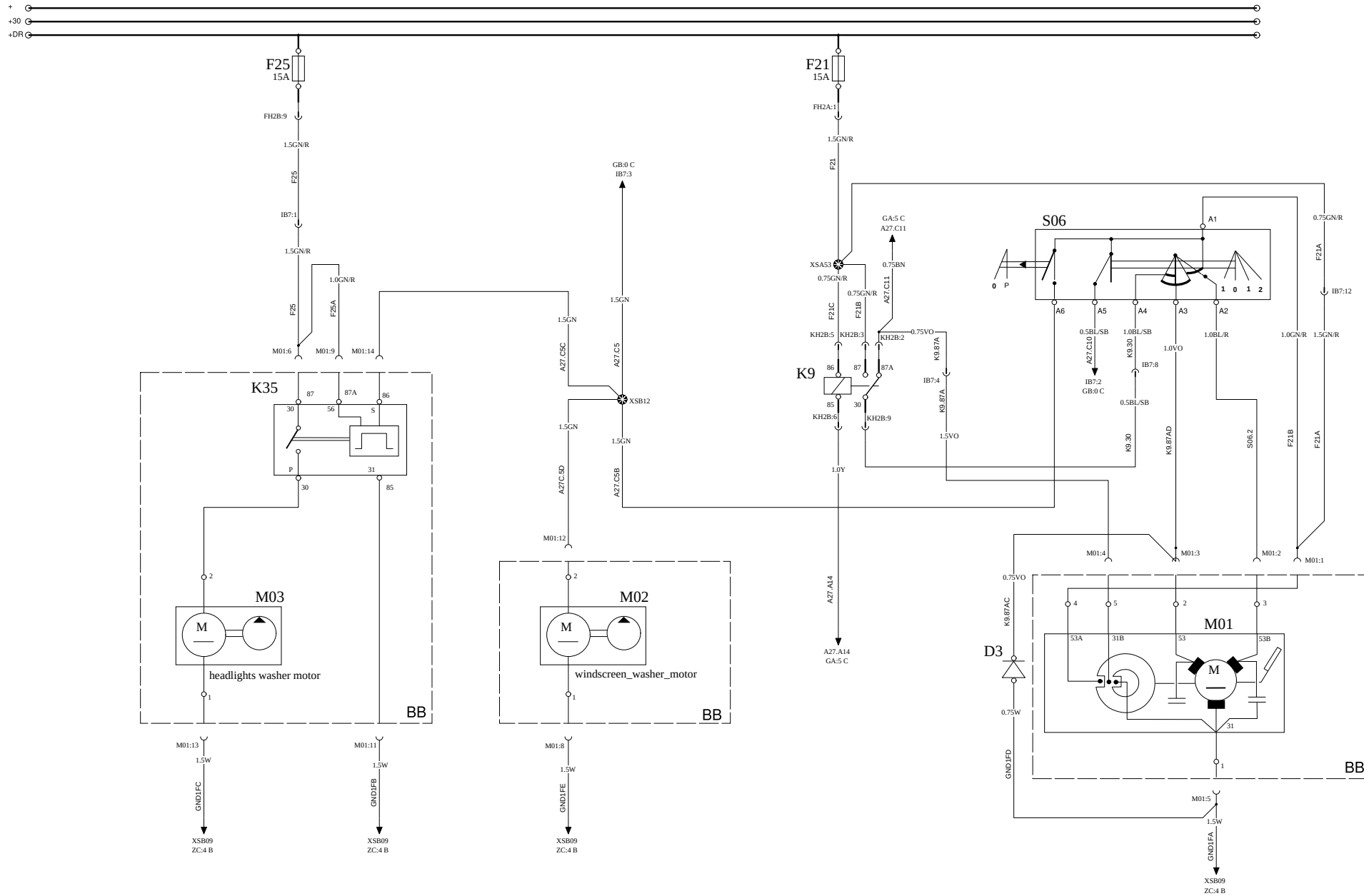
SLCM08 FOR OBD13



SLCM08 FOR OBD13 HAS 03 CAVITIES (A2, A8 AND D14) CONNECTED DIFFERENT THAN EURO 5. THE OTHER CONNECTIONS REMAINING ARE THE SAME FOR BOTH EURO 5 AND OBD13.

# WIPER, WASHER

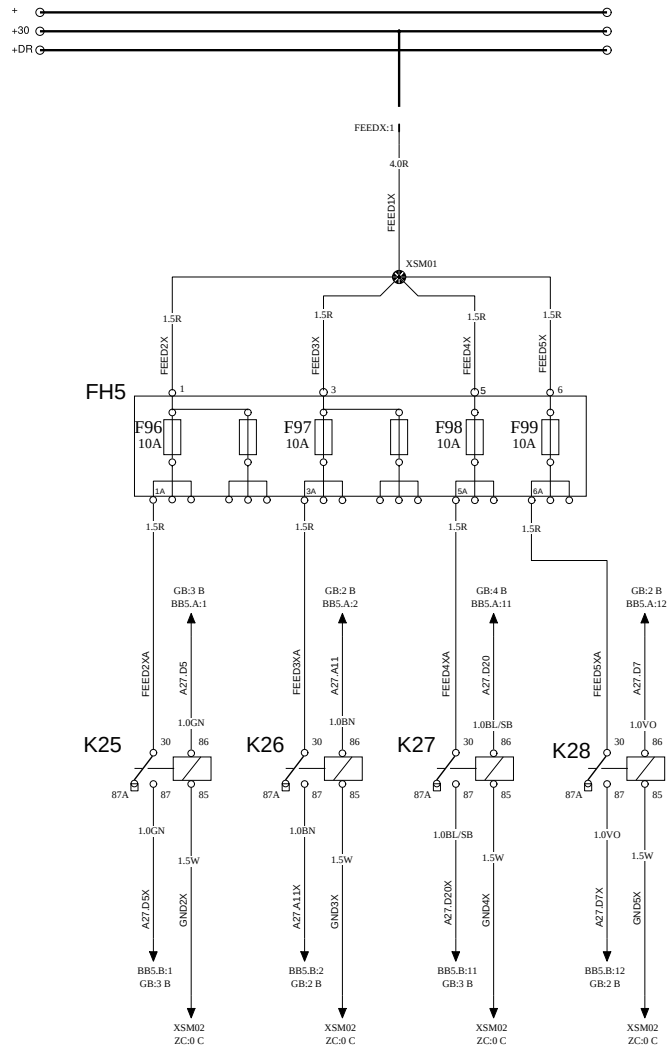
# WIRING DIAGRAM GM



LCM

XENON LIGHTS RELAY

WIRING DIAGRAM GN



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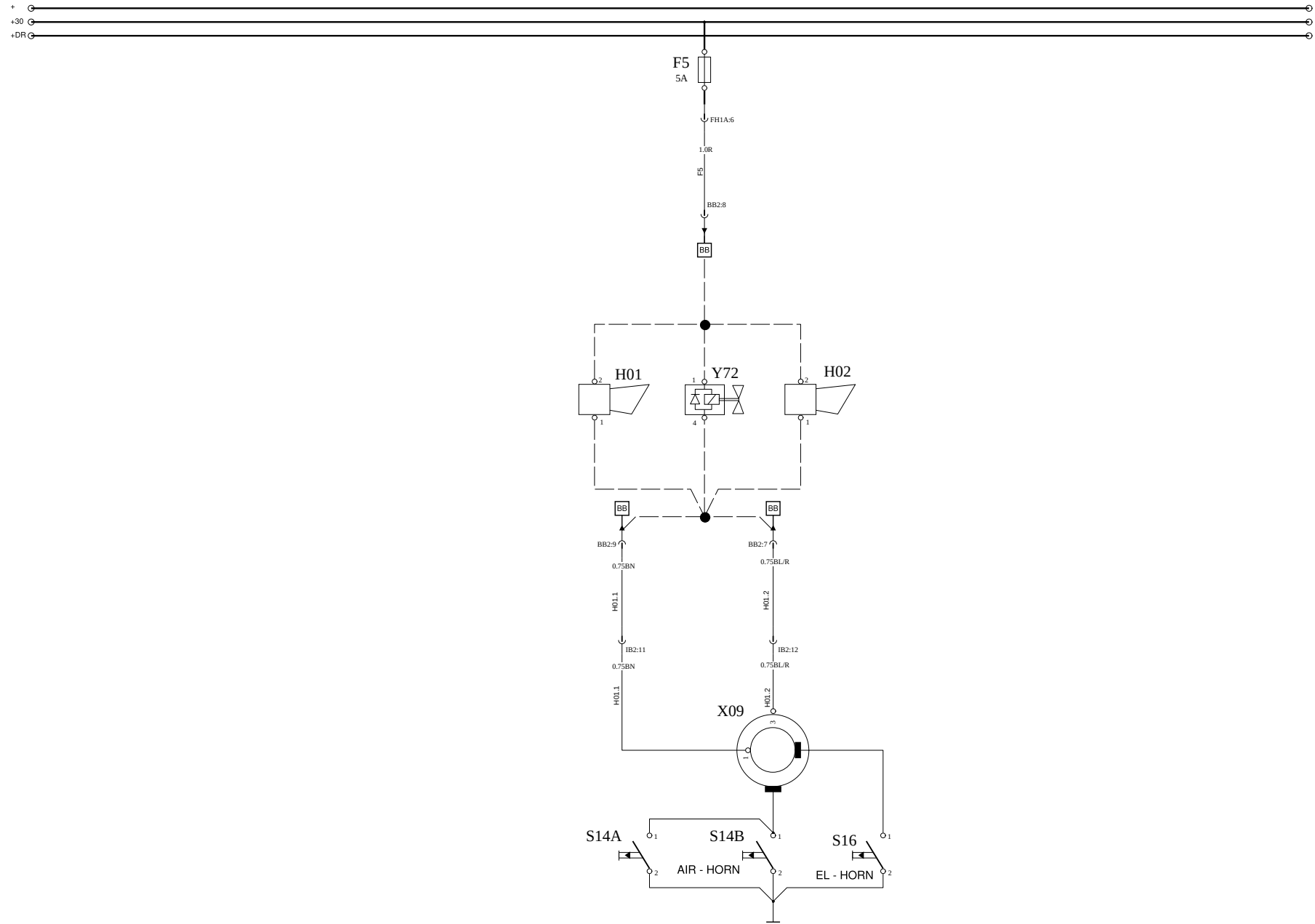
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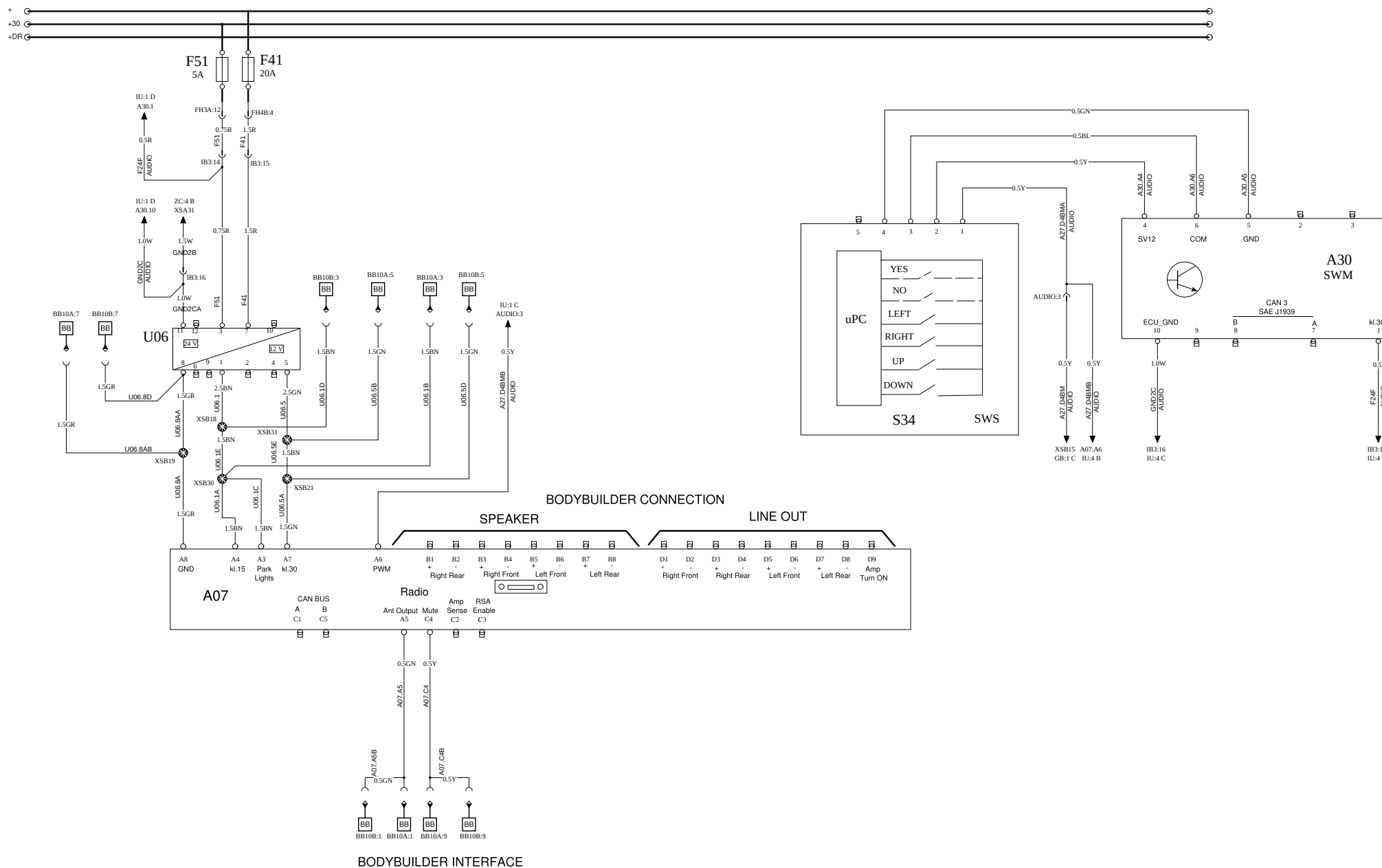
HORN, SWM

WIRING DIAGRAM IS



# AUDIO

# WIRING DIAGRAM IU



## WIRING DIAGRAM NA



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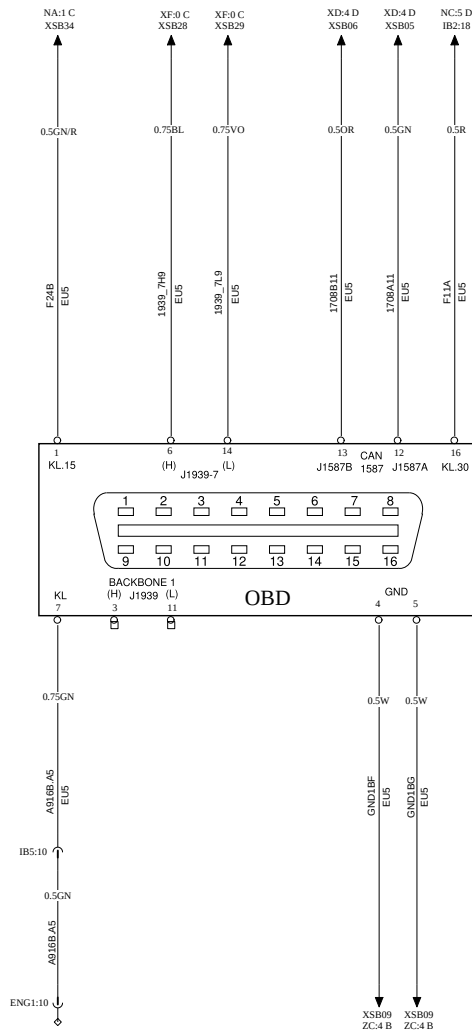
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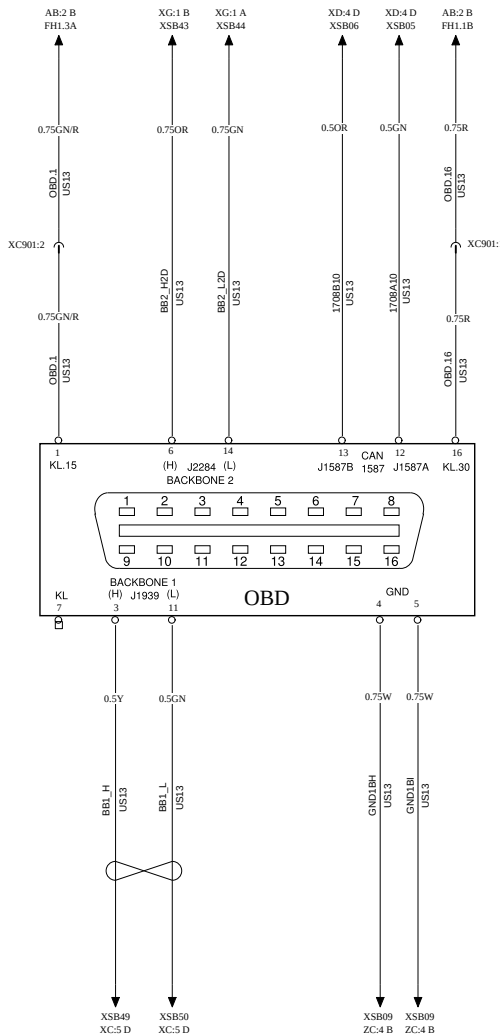
OBD, ON BOARD DIAGNOSTICS

WIRING DIAGRAM NA2

CONNECTIONS FOR EURO 5



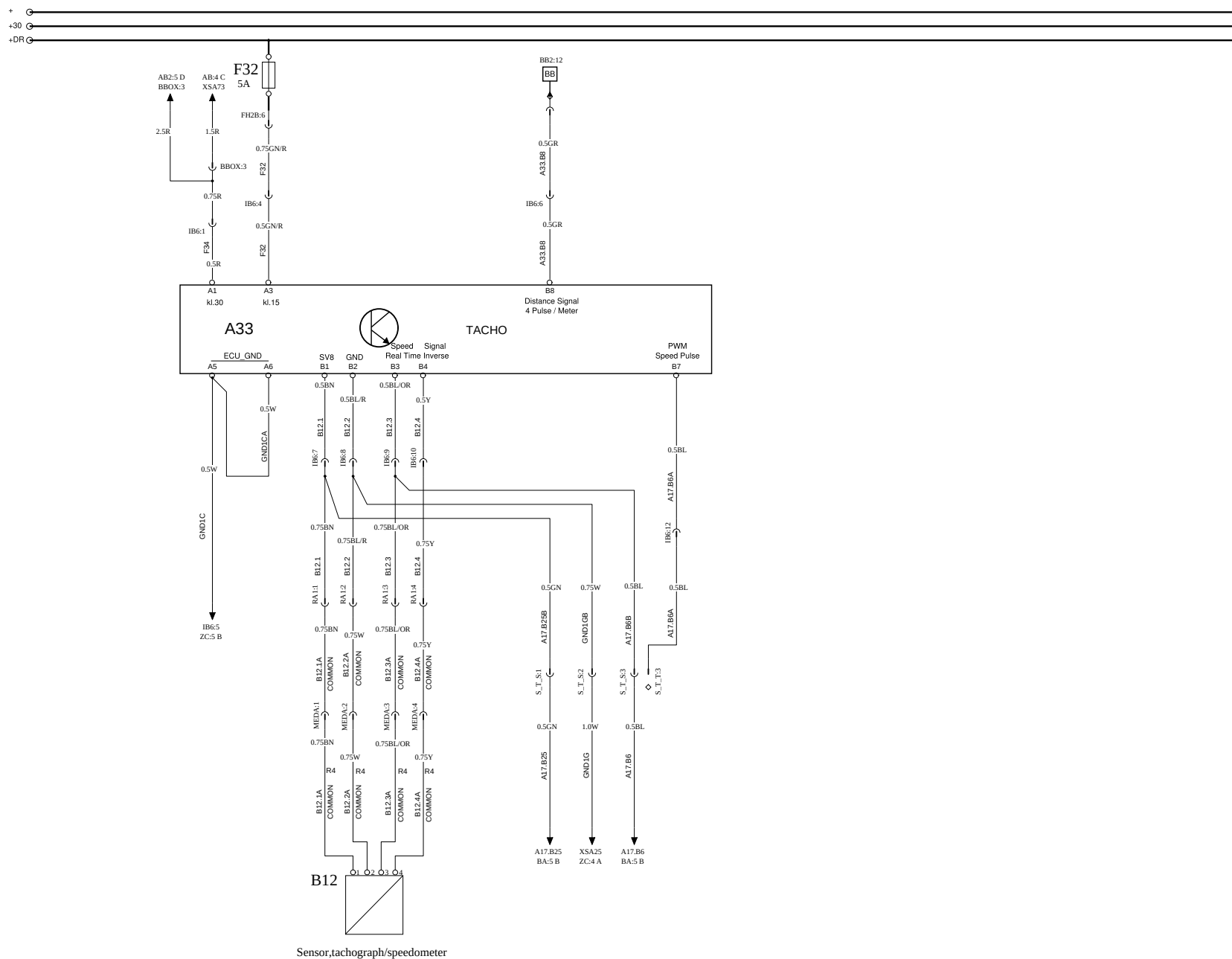
CONNECTIONS FOR OBD13



## TACHOGRAPH

## EURO 5

## WIRING DIAGRAM NB



Sensor,tachograph/speedometer

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Volvo Bus Corporation

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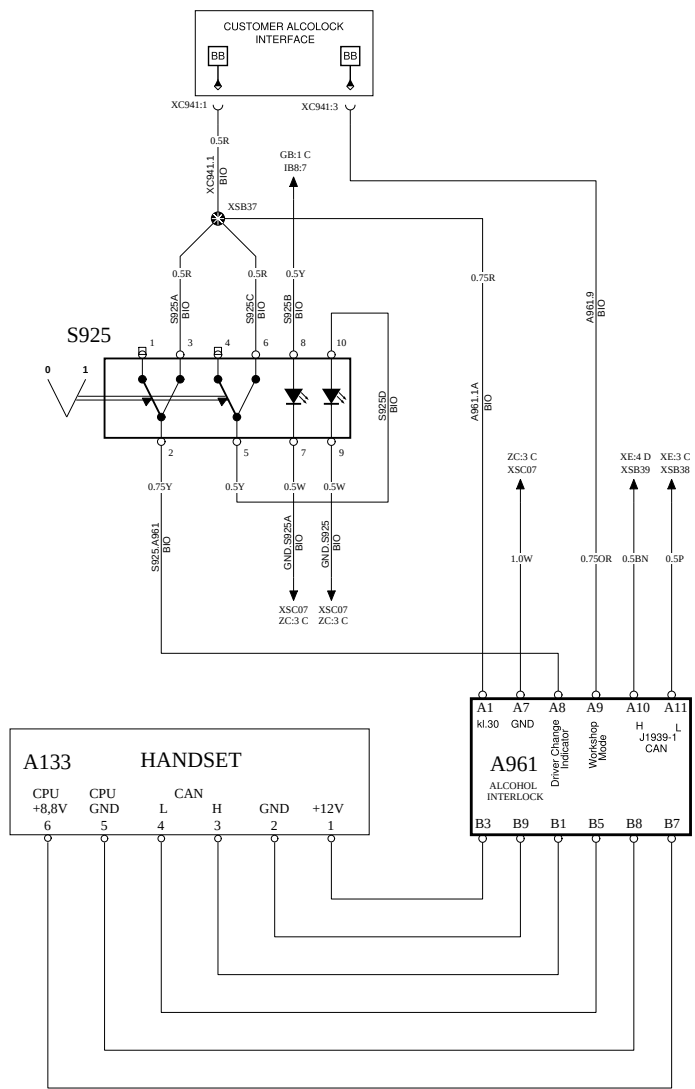
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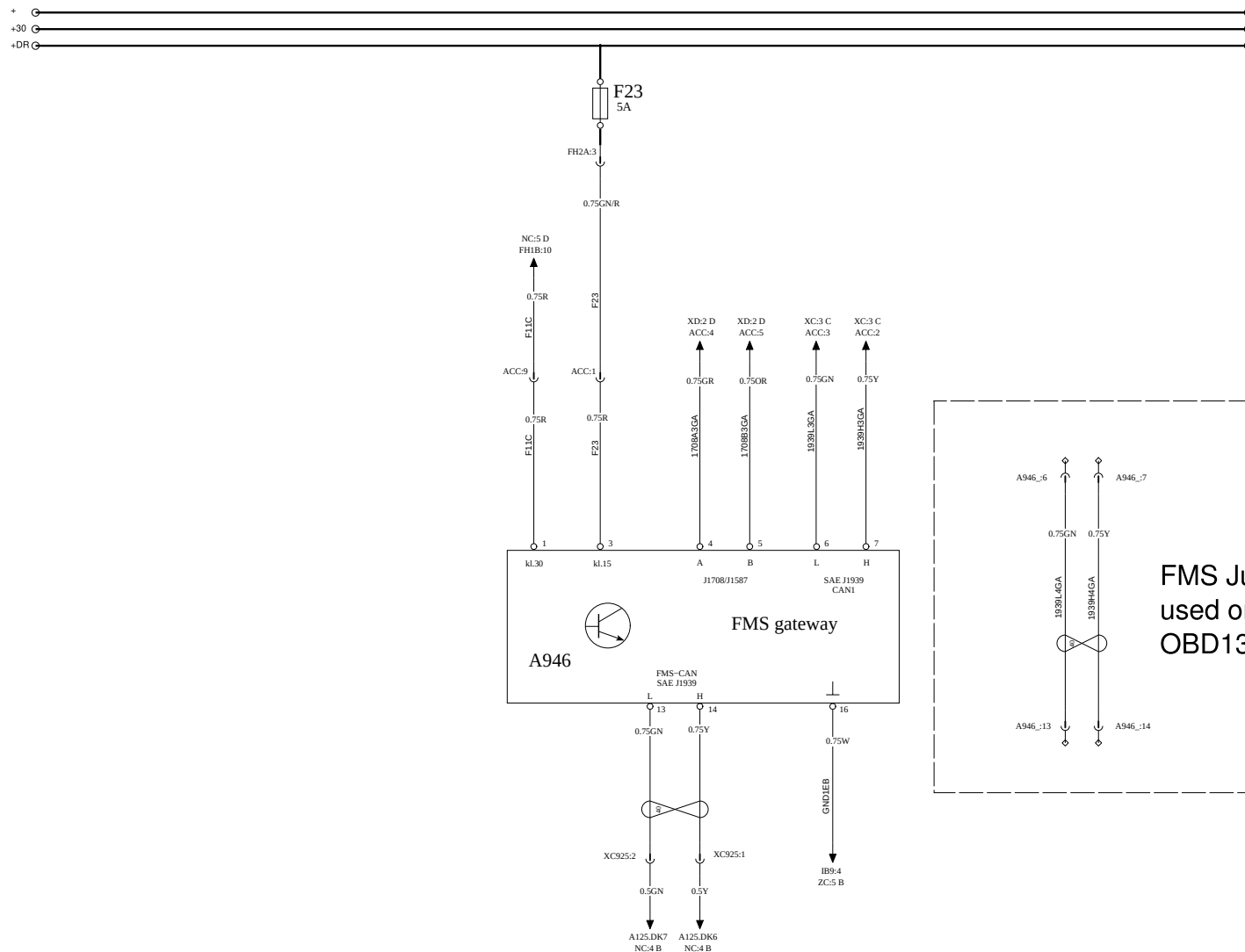
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# FMS GATEWAY

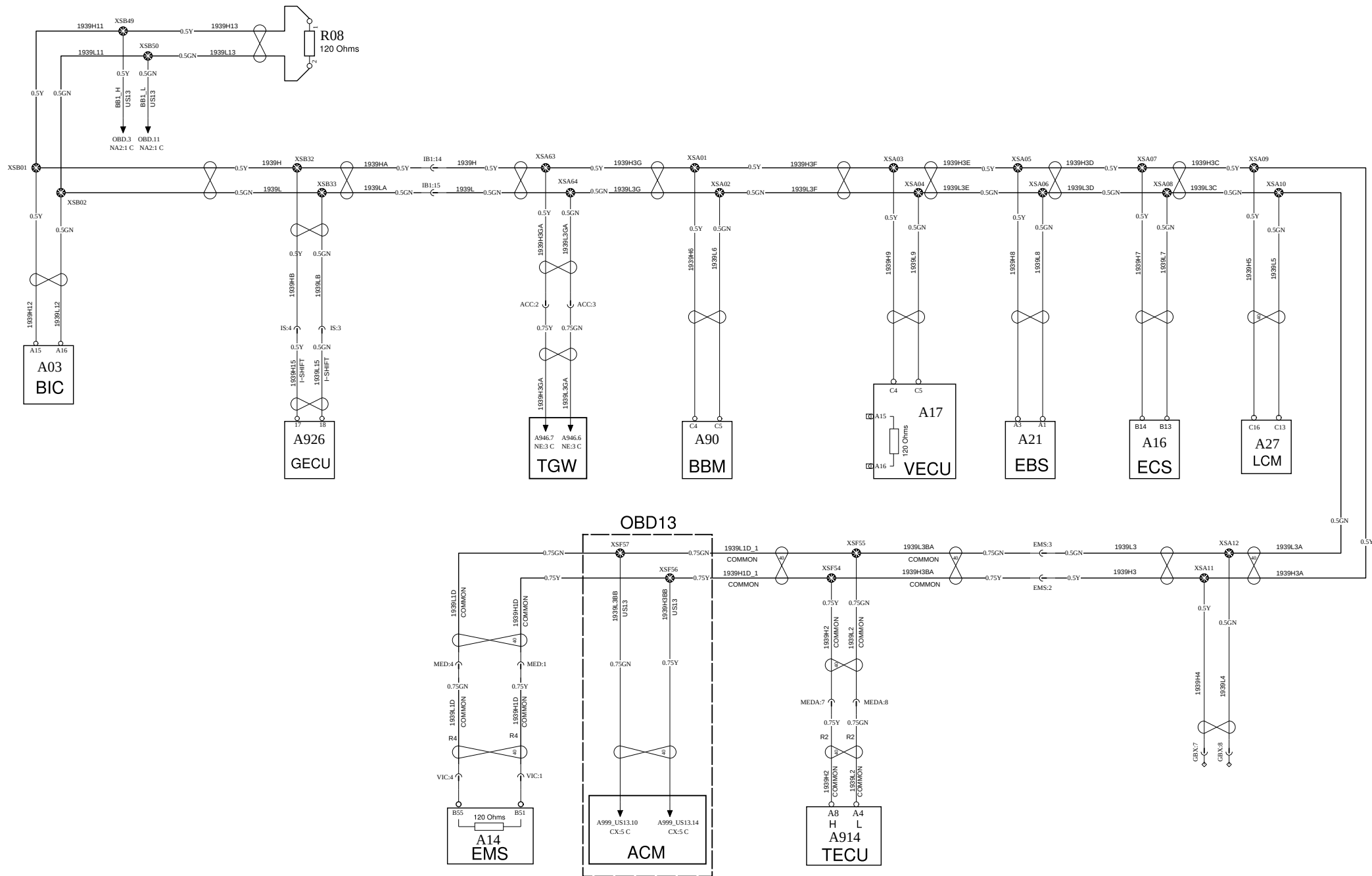
# WIRING DIAGRAM NE



## CAN SAE 1939

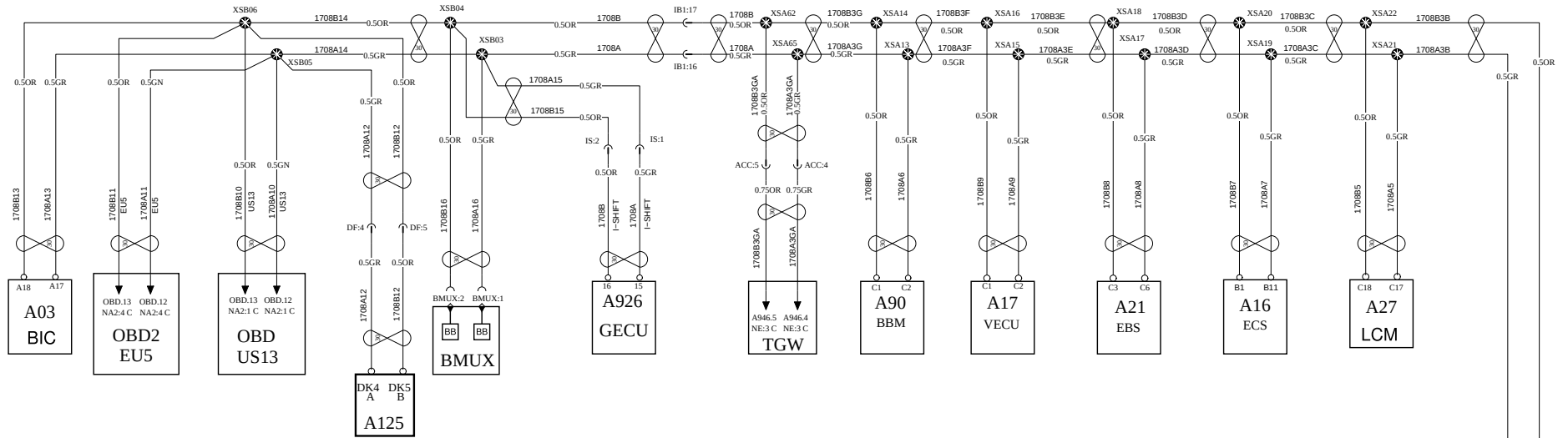
## BACKBONE 1

## WIRING DIAGRAM XC

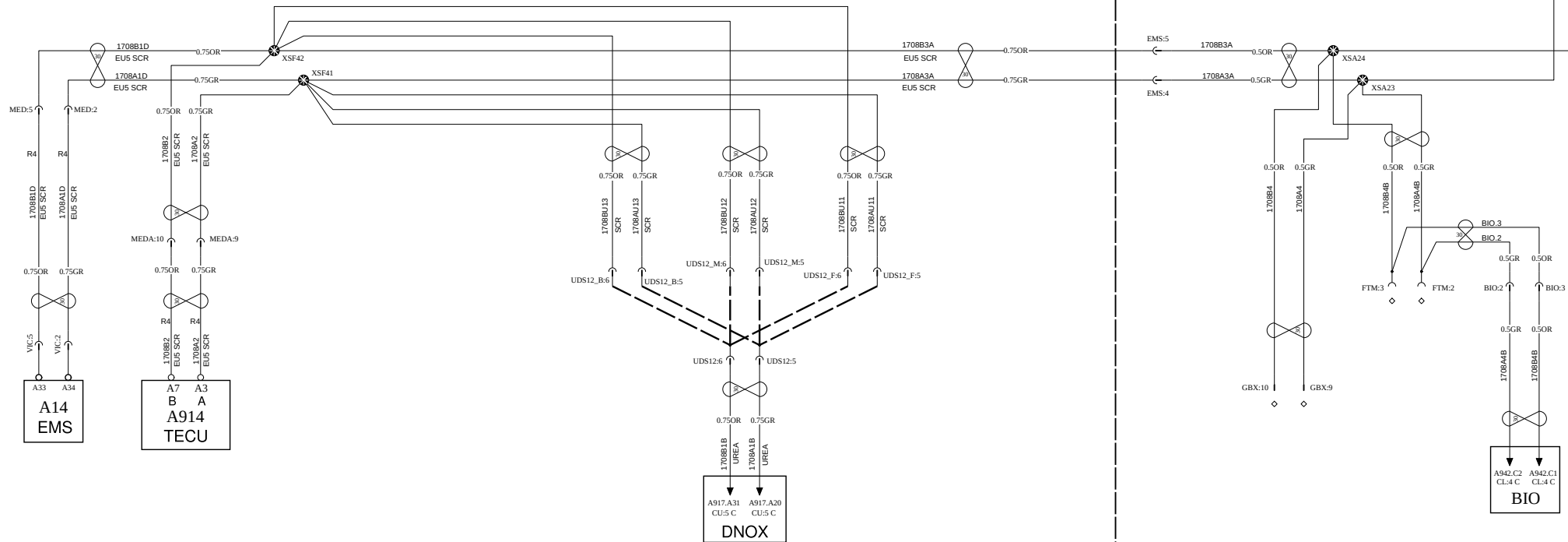


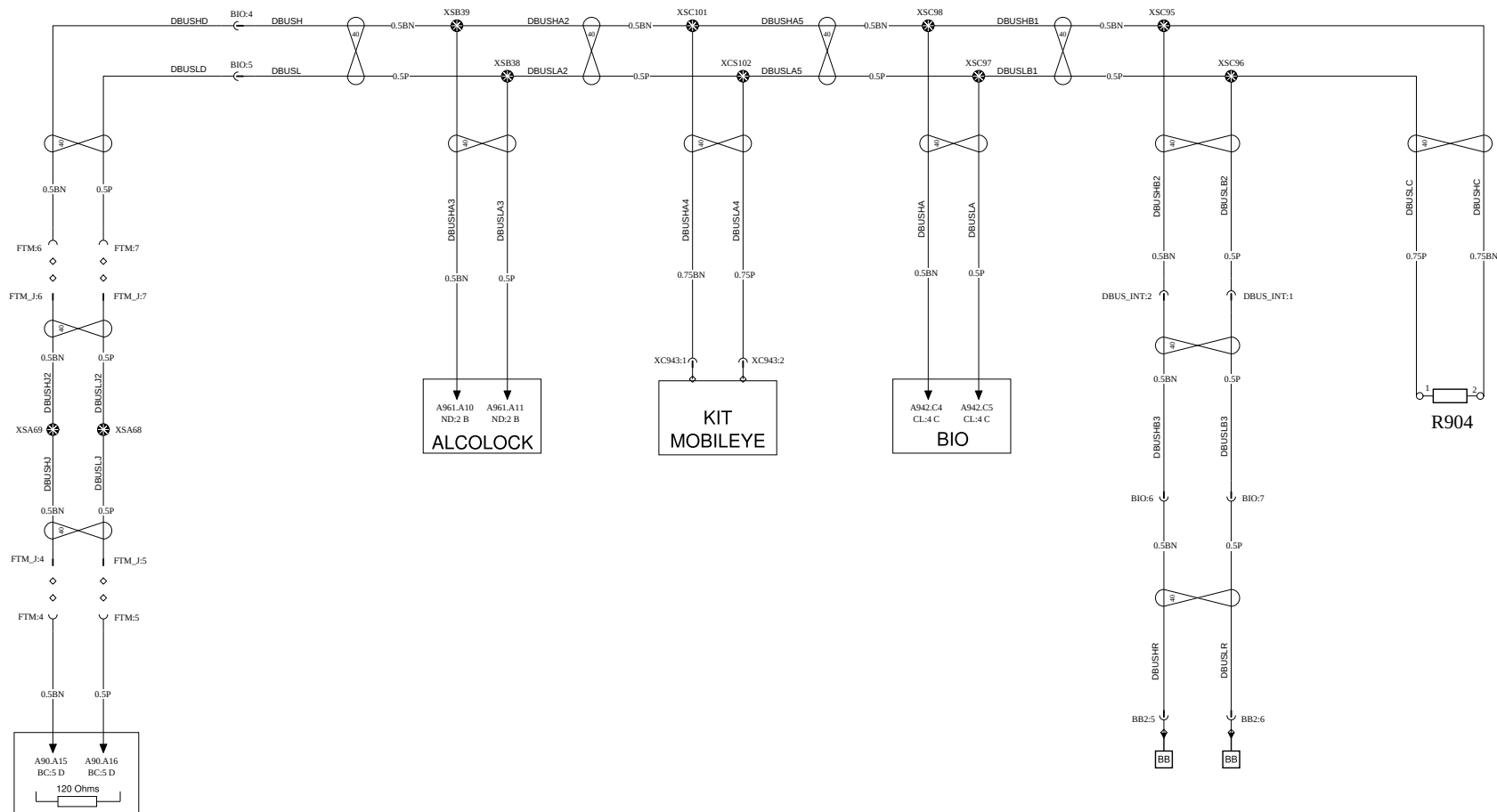
## CAN SAE1587

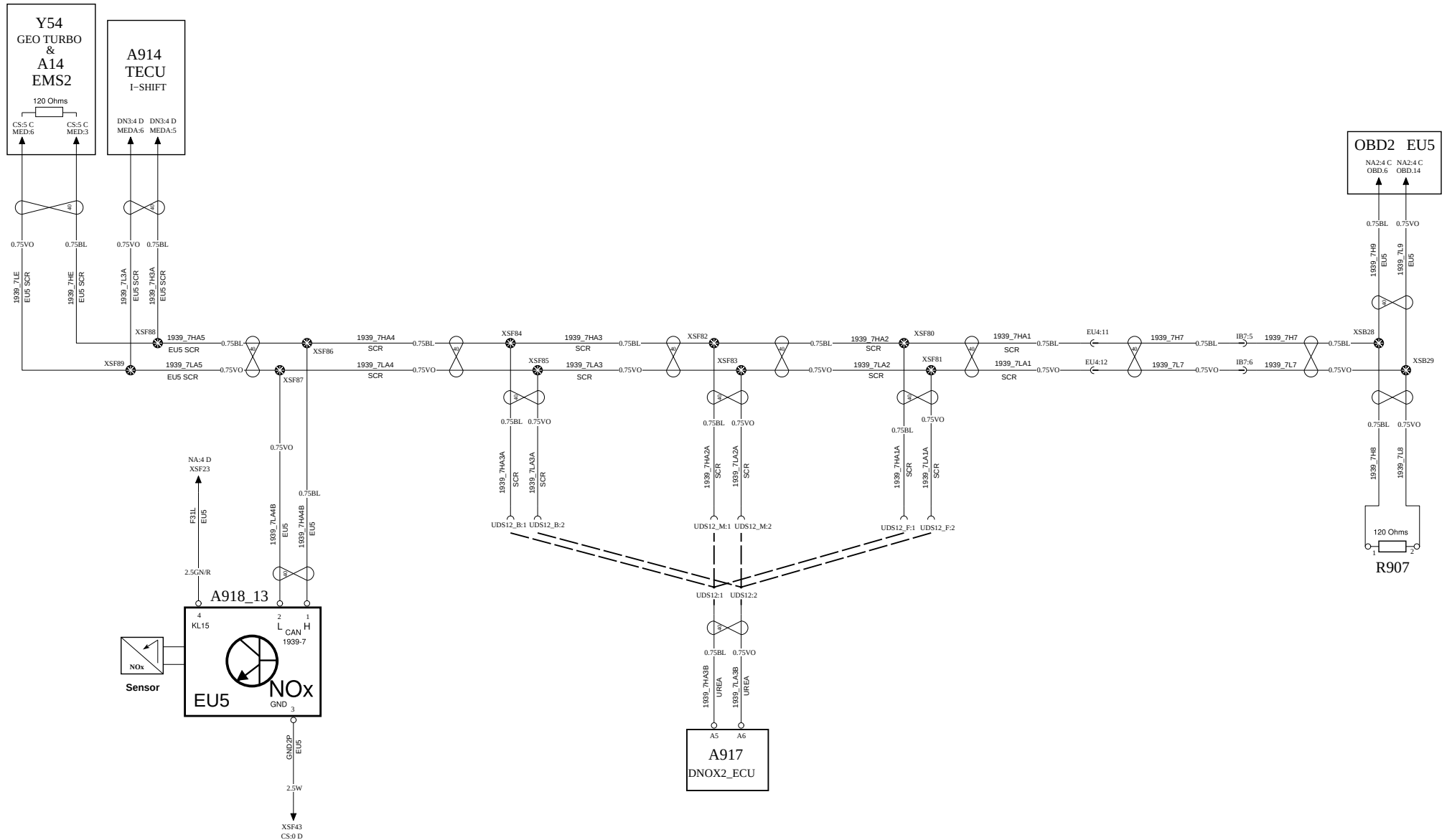
## WIRING DIAGRAM XD



## EURO 5













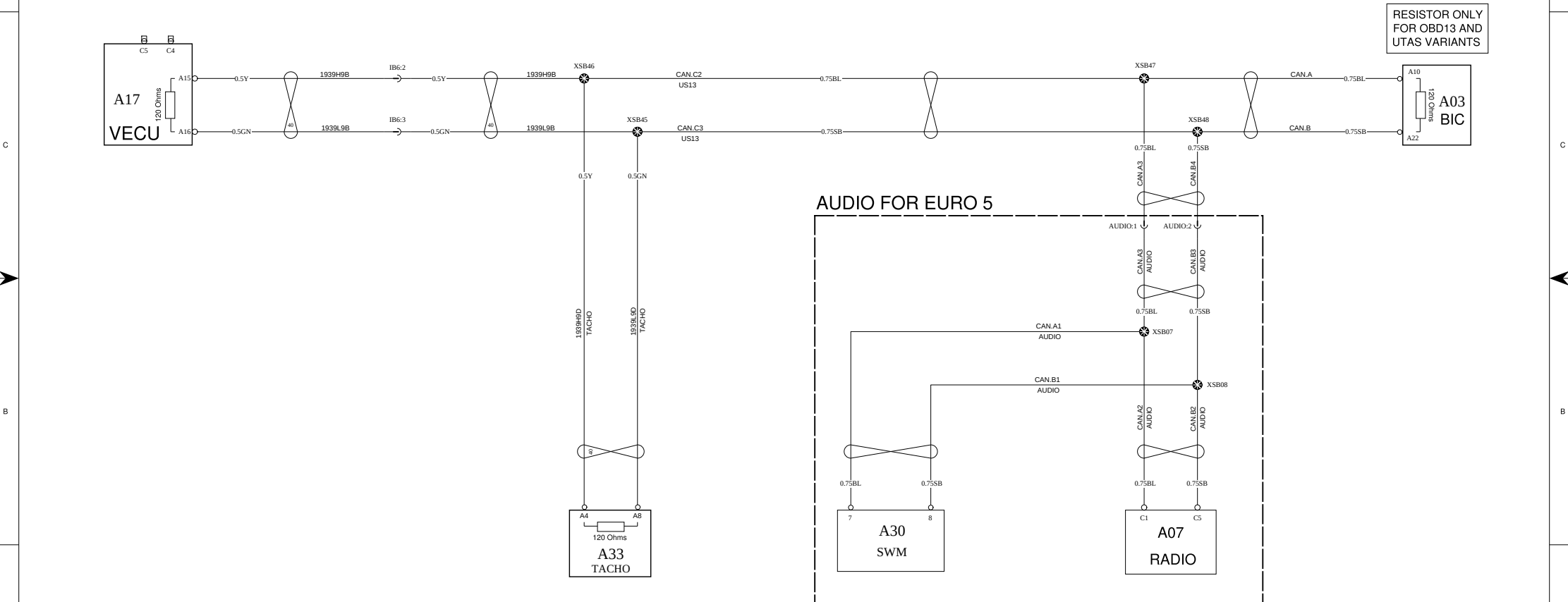
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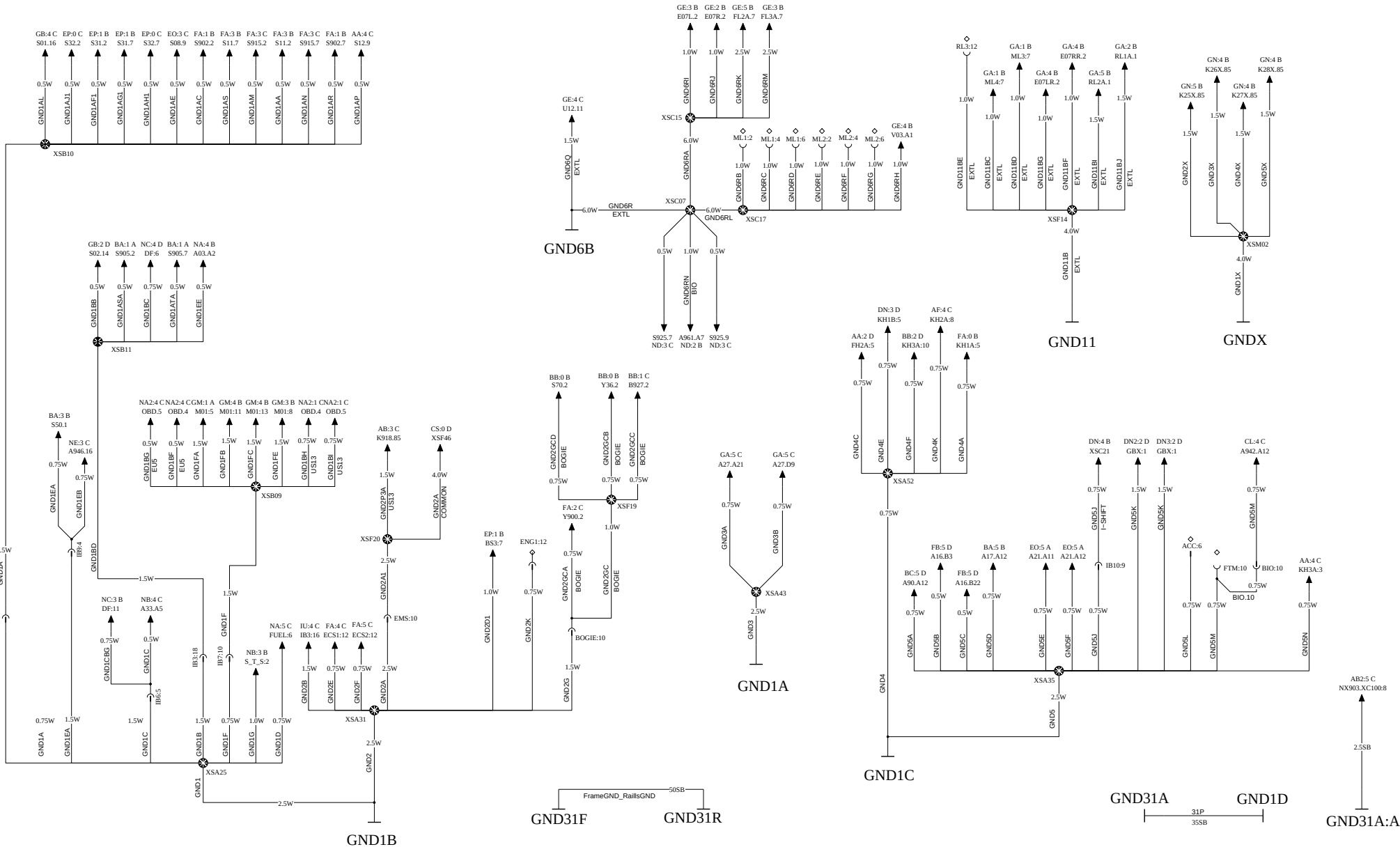
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# GROUND

# WIRING DIAGRAM ZC



## BILL OF MATERIAL/COMPONENT LIST

| Part Name | Description                             | Location                                                 | Part Type        |
|-----------|-----------------------------------------|----------------------------------------------------------|------------------|
| +30:1     |                                         | {AB 3 D}<br>{AB2 2 D}                                    | inline_connector |
| +B:1      |                                         | {AB 5 D}<br>{AB2 5 D}                                    | inline_connector |
| 30UA:1    |                                         | {CU 1 B}                                                 | componentSymbol  |
| 30UB:1    |                                         | {CU 1 B}                                                 | componentSymbol  |
| A03       | Instrument cluster                      | {NA 4 B}                                                 | componentSymbol  |
| A03       | Instrument cluster                      | {XC 5 C}<br>{XD 5 C}<br>{XJ 1 C}                         | componentSymbol  |
| A07       | Radio                                   | {IU 4 B}                                                 | componentSymbol  |
| A07       | Radio                                   | {XJ 1 A}                                                 | componentSymbol  |
| A14       | Control unit EMS                        | {XC 3 A}<br>{XD 5 B}                                     | componentSymbol  |
| A16       | ECS                                     | {FA 5 B}<br>{XC 1 C}<br>{XD 1 C}<br>{FB 5 D}             | componentSymbol  |
| A17       | VECU                                    | {BA 5 B}<br>{XC 2 C}<br>{XD 2 C}<br>{XJ 5 C}             | componentSymbol  |
| A19       | Control unit,GECU(gear selector ECU)    | {DN 4 B}                                                 | componentSymbol  |
| A21       | EBS                                     | {XC 1 C}<br>{EO 5 A}<br>{XD 1 C}<br>{EP 5 D}             | componentSymbol  |
| A27       | Control unite,LCM(Light Control Module) | {GA 5 C}<br>{GB 4 C}<br>{XD 1 D}<br>{GE 1 D}<br>{GE 4 D} | componentSymbol  |
| A27       | Control unite,LCM(Light Control Module) | {GC 4 C}                                                 | componentSymbol  |
| A27_D:1   | Direction indicator.Rear right          | {GC 4 D}                                                 | inline_connector |
| A27_D:2   | Direction indicator.Rear right          | {GC 4 D}                                                 | inline_connector |
| A27_D:3   | Direction indicator.Rear right          | {GC 4 D}                                                 | inline_connector |
| A27_D:4   | Direction indicator.Rear right          | {GC 2 D}                                                 | inline_connector |
| A27_D:5   | Direction indicator.Rear right          | {GC 3 D}                                                 | inline_connector |
| A27_D:7   | Direction indicator.Rear right          | {GC 3 D}                                                 | inline_connector |
| A27_D:8   | Direction indicator.Rear right          | {GC 3 D}                                                 | inline_connector |
| A27_D:9   | Direction indicator.Rear right          | {GC 3 D}                                                 | inline_connector |
| A27_D:10  | Direction indicator.Rear right          | {GC 2 D}                                                 | inline_connector |

# VOLVO

Volvo Bus Corporation

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| Part Name | Description                                                      | Location                                       | Part Type        |
|-----------|------------------------------------------------------------------|------------------------------------------------|------------------|
| A27_D:11  | Direction indicator.Rear right                                   | {GC 2 D}                                       | inline_connector |
| A27_D:12  | Direction indicator.Rear right                                   | {GC 4 D}                                       | inline_connector |
| A27_D:13  | Direction indicator.Rear right                                   | {GC 2 D}                                       | inline_connector |
| A27_D:14  | Direction indicator.Rear right                                   | {GC 4 A}                                       | inline_connector |
| A27_D:15  | Direction indicator.Rear right                                   | {GC 4 A}                                       | inline_connector |
| A27_D:16  | Direction indicator.Rear right                                   | {GC 4 A}                                       | inline_connector |
| A27_D:17  | Direction indicator.Rear right                                   | {GC 3 A}                                       | inline_connector |
| A27_D:18  | Direction indicator.Rear right                                   | {GC 3 A}                                       | inline_connector |
| A27_D:19  | Direction indicator.Rear right                                   | {GC 3 A}                                       | inline_connector |
| A27_D:20  | Direction indicator.Rear right                                   | {GC 2 A}                                       | inline_connector |
| A27_D:21  | Direction indicator.Rear right                                   | {GC 2 A}                                       | inline_connector |
| A30       | Control unite,SWM(Steering Wheel Module)                         | {IU 1 D}<br>{XJ 1 A}                           | componentSymbol  |
| A33       | TACHO                                                            | {NB 4 C}<br>{XJ 3 B}                           | componentSymbol  |
| A41       | Body I/O Module 41                                               | {CX 1 B}<br>{DN3 3 B}                          | componentSymbol  |
| A42       | Component group transmission.Contains B26, Y21,Y22, Y23 and Y26. | {DN3 2 B}<br>{DN2 2 B}                         | componentSymbol  |
| A80       | Air Dryer                                                        | {BA 2 A}                                       | componentSymbol  |
| A80.BY:1  |                                                                  | {BA 2 B}                                       | inline_connector |
| A80.BY:3  |                                                                  | {BA 2 B}                                       | inline_connector |
| A80.BY:4  |                                                                  | {BA 1 A}                                       | inline_connector |
| A90       | BBM                                                              | {BB 5 A}<br>{XC 2 C}<br>{XD 2 C}<br>{BC 5 D}   | componentSymbol  |
| A90       | BBM                                                              | {AA 3 A}                                       | componentSymbol  |
| A124      |                                                                  | {AF 3 B}                                       | componentSymbol  |
| A124.30B  |                                                                  | {AF 3 B}                                       | componentSymbol  |
| A125      | Control unit, TGW                                                | {NC 4 B}<br>{XD 3 C}                           | componentSymbol  |
| A133      | Handset                                                          | {ND 3 B}                                       | componentSymbol  |
| A914      | I-shift unit(TECU)                                               | {XC 2 A}<br>{XD 5 B}<br>{DN3 4 C}<br>{DN2 4 B} | componentSymbol  |
| A917      | DNOX2_ECU                                                        | {CU 5 C}<br>{XF 2 A}                           | componentSymbol  |

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|-----------|----------------------------------|----------------------------------|------------------|
| A918_1    | NOX-sensor                       | {XH 3 C}                         | componentSymbol  |
| A918_2    | NOX-sensor                       | {XH 1 C}                         | componentSymbol  |
| A918_13   | NOx-sensor                       | {XF 4 B}                         | componentSymbol  |
| A926      | GearShift_ECU                    | {XC 4 C}<br>{DN 4 C}<br>{XD 3 C} | componentSymbol  |
| A942      | BIO - Bus I/O                    | {CL 4 C}                         | componentSymbol  |
| A946      | FMS GATEWAY                      | {NE 3 C}                         | componentSymbol  |
| A946_:6   |                                  | {NE 2 C}                         | inline_connector |
| A946_:7   |                                  | {NE 2 C}                         | inline_connector |
| A946_:13  |                                  | {NE 2 B}                         | inline_connector |
| A946_:14  |                                  | {NE 2 B}                         | inline_connector |
| A961      | Control unit, Alcolock Interlock | {ND 2 B}                         | componentSymbol  |
| A996      | *opt*                            | {XH 4 C}                         | componentSymbol  |
| A998      | DEF Pump                         | {CX 4 D}                         | componentSymbol  |
| A999_US13 | *opt*                            | {CX 5 C}                         | componentSymbol  |
| ACC:1     |                                  | {NE 3 C}                         | inline_connector |
| ACC:2     |                                  | {XC 3 C}                         | inline_connector |
| ACC:3     |                                  | {XC 3 C}                         | inline_connector |
| ACC:4     |                                  | {XD 2 D}                         | inline_connector |
| ACC:5     |                                  | {XD 2 D}                         | inline_connector |
| ACC:6     |                                  | {ZC 1 B}                         | inline_connector |
| ACC:7     |                                  | {BA 3 B}                         | inline_connector |
| ACC:8     |                                  | {BA 3 B}                         | inline_connector |
| ACC:9     |                                  | {NE 3 C}                         | inline_connector |
| ACM:2     |                                  | {AB2 4 D}                        | inline_connector |
| ARTIC:1   |                                  | {FB 1 C}                         | inline_connector |
| ARTIC:2   |                                  | {FB 1 C}                         | inline_connector |
| ARTIC:5   |                                  | {BC 4 C}                         | inline_connector |
| ARTIC:6   |                                  | {BC 4 C}                         | inline_connector |
| ARTIC:7   |                                  | {BC 4 C}                         | inline_connector |
| ARTIC:8   |                                  | {BC 3 C}                         | inline_connector |
| ARTIC:9   |                                  | {BC 3 C}                         | inline_connector |
| ARTIC:10  |                                  | {BC 4 C}                         | inline_connector |
| ARTIC:11  |                                  | {BC 3 C}                         | inline_connector |
| ARTIC:12  |                                  | {BC 3 C}                         | inline_connector |
| AUDIO:1   |                                  | {XJ 1 C}                         | inline_connector |
| AUDIO:2   |                                  | {XJ 1 C}                         | inline_connector |
| AUDIO:3   |                                  | {IU 1 C}                         | inline_connector |
| B03       | Sensor,footbrake valve           | {EO 4 B}                         | componentSymbol  |
| B06       | Wet tank press                   | {BA 0 C}                         | componentSymbol  |
| B07       | Sensor,fuel level front axle     | {NA 4 A}                         | componentSymbol  |

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|-----------|---------------------------------------------------------------|-----------------------|-----------------|
| B12       | Sensor,tachograph/speedometer                                 | {NB 4 A}              | componentSymbol |
| B13       | Sensor,wheel speed, lhs. 1:st front axle                      | {EO 2 D}              | componentSymbol |
| B14       | Sensor,wheel speed, rhs. 1:st front axle                      | {EO 2 D}              | componentSymbol |
| B15       | Sensor,Wheel speed, lhs. 1:st driven rear axle                | {EO 1 D}              | componentSymbol |
| B16       | Sensor,Wheel speed, rhs. 1:st driven rear axle                | {EO 1 D}              | componentSymbol |
| B22       | Sensor, outdoor temperature                                   | {NA 3 A}              | componentSymbol |
| B25       | Sensor,accelerator pedal                                      | {BA 2 C}              | componentSymbol |
| B29       | sensor chassis level rear axle LHS                            | {FB 2 B}              | componentSymbol |
| B30       | sensor chassis level rear axle RHS                            | {FB 2 B}              | componentSymbol |
| B32_10    |                                                               | {CS 1 D}              | componentSymbol |
| B32_13    | Sensor Eng. cooling fan speed                                 | {CS 1 D}              | componentSymbol |
| B39       | Sensor,air filter press/Temp.                                 | {CS 3 B}              | componentSymbol |
| B40       | Sensor,brake lining wear indicator,lhs. 1:st front axle       | {EO 3 D}              | componentSymbol |
| B41       | Sensor,brake lining wear indicator,rhs. 1:st front axle       | {EO 3 D}              | componentSymbol |
| B42       | Sensor,brake lining wear indicator,lhs. 1:st driven rear axle | {EO 2 D}              | componentSymbol |
| B43       | Sensor,brake lining wear indicator,rhs. 1:st driven rear axle | {EO 2 D}              | componentSymbol |
| B49       | Sensor,steering angle                                         | {EP 2 B}              | componentSymbol |
| B50       | Sensor,yaw-rate                                               | {EP 2 B}              | componentSymbol |
| B57       | Sensor,air pressure, suspension bellows, lhs.rear             | {FB 4 C}              | componentSymbol |
| B58       | Sensor,air perssure,suspension bellow, rhs. rear              | {FB 4 C}              | componentSymbol |
| B59       | Sensor, indoor temperature                                    | {NA 3 A}              | componentSymbol |
| B69C      | Sensor,coolant temperature, retarder                          | {CX 0 B}<br>{DN3 4 B} | componentSymbol |
| B904      | hydr_oil_level_sens                                           | {NA 4 C}              | componentSymbol |
| B906      | Sensor,Brake Press ( 6*2 )                                    | {BC 4 C}              | componentSymbol |
| B910      | sensor air press. ECS port 21                                 | {FB 5 C}              | componentSymbol |
| B914      | sensor chassis level front axle LHS                           | {FB 2 B}              | componentSymbol |
| B915      | sensor chassis level front axle RHS                           | {FB 1 B}              | componentSymbol |
| B918      | Hydraulic oil level sensor_2                                  | {NA 4 C}              | componentSymbol |
| B920      | Sensor,fuel level 2 front axle                                | {NA 4 A}              | componentSymbol |
| B923      | Sensor_temp/level_adblue_tank_SCRT_DNOX2                      | {CU 2 B}              | componentSymbol |
| B927      | Sensor Hydr.oil press                                         | {BB 1 C}              | componentSymbol |
| B930      | Sensor_temp_upstream_scr_t_DNOX2                              | {CU 2 D}              | componentSymbol |
| B940      | Sensor brake lining wear indicator,A/B R                      | {EP 4 B}              | componentSymbol |
| B941      | Sensor brake lining wear indicator,A/B L                      | {EP 4 B}              | componentSymbol |
| B942      | sensor_wheel_speed_A/B_R                                      | {EP 3 B}              | componentSymbol |

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|-----------|------------------------------------|----------|------------------|
| B943      | sensor_wheel_speed_A/B_L           | {EP 3 B} | componentSymbol  |
| B973      | Fire Sensor, 150    C              | {BB 4 C} | componentSymbol  |
| B974      | Fire sensor                        | {BB 4 C} | componentSymbol  |
| B975      | Fire sensor                        | {BB 4 B} | componentSymbol  |
| B977      | Sensor, brake pressure             | {NA 5 A} | componentSymbol  |
| B978      | Sensor, brake pressure             | {NA 4 A} | componentSymbol  |
| B979      | Parking brake pressure             | {BB 3 B} | componentSymbol  |
| B980      | Auxilliary pressure                | {BB 3 B} | componentSymbol  |
| B985      | Fire sensor 4, D13                 | {BB 4 D} | componentSymbol  |
| B986      | Fire sensor 5, D13                 | {BB 4 C} | componentSymbol  |
| B991_10   | temp. DPF                          | {CX 2 C} | componentSymbol  |
| B992_10   | temp. DPF                          | {CX 1 C} | componentSymbol  |
| B993_10   | temp. DPF                          | {CX 1 C} | componentSymbol  |
| B995_13   |                                    | {CX 2 D} | componentSymbol  |
| BB1:1     | Idle switch                        | {BA 5 B} | inline_connector |
| BB1:2     | Start disable                      | {BC 1 C} | inline_connector |
| BB1:3     | Fire alarm,body                    | {BC 1 C} | inline_connector |
| BB1:4     | Low priority loads, relay          | {BC 2 C} | inline_connector |
| BB1:5     | Luggage hatch ,open                | {BB 2 B} | inline_connector |
| BB1:6     | Safety belt indicator              | {NA 2 A} | inline_connector |
| BB1:8     | Washer fluid low level             | {NA 2 A} | inline_connector |
| BB1:9     | Altenator charging                 | {NA 2 A} | inline_connector |
| BB1:10    | AC 1                               | {BB 1 D} | inline_connector |
| BB1:11    | Parking brake applied              | {BA 4 A} | inline_connector |
| BB1:12    | AC Disable                         | {BC 1 C} | inline_connector |
| BB2:1     | Indoor temperator +                | {NA 3 A} | inline_connector |
| BB2:2     | Indoor temperature -               | {NA 3 B} | inline_connector |
| BB2:3     | Out door temperator +              | {NA 3 A} | inline_connector |
| BB2:4     | Out door temperatur-               | {NA 3 B} | inline_connector |
| BB2:5     | D-CAN H                            | {XE 1 B} | inline_connector |
| BB2:6     | D-CAN L                            | {XE 1 B} | inline_connector |
| BB2:7     | Horn(contacts steering wheelside)  | {IS 2 B} | inline_connector |
| BB2:8     | Horn supply                        | {IS 3 D} | inline_connector |
| BB2:9     | Horn (contacts steer.wheel centre) | {IS 3 B} | inline_connector |
| BB2:10    | Alarm                              | {GB 2 C} | inline_connector |
| BB2:11    | Emergency switch                   | {AA 5 B} | inline_connector |
| BB2:12    | Signal 4 pulses/meter C6           | {NB 3 D} | inline_connector |
| BB3:1     | Head lamps off                     | {GB 2 C} | inline_connector |
| BB3:2     | Prevent ECS action                 | {BC 1 C} | inline_connector |
| BB3:3     | Kneeling position                  | {FA 4 C} | inline_connector |
| BB3:4     |                                    | {FB 3 D} | inline_connector |
| BB3:5     | Hazard warning lamps               | {GB 2 C} | inline_connector |

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|-----------|---------------------------------------------------------|----------------------|------------------|
| BB3:6     | N/A                                                     | {GB 4 B}             | inline_connector |
| BB3:7     | Next stop indicator                                     | {NA 2 A}             | inline_connector |
| BB3:8     | pram indicator                                          | {NA 2 A}             | inline_connector |
| BB3:9     | N/A                                                     | {AF 5 C}             | inline_connector |
| BB3:10    | Speed signal C3                                         | {BA 4 B}             | inline_connector |
| BB3:11    | +30 main switch (fuse F12)                              | {BB 3 D}             | inline_connector |
| BB3:12    | +15 ignition(fuse F29)                                  | {BB 3 D}             | inline_connector |
| BB4:1     | Glass heating                                           | {BC 1 C}             | inline_connector |
| BB4:2     | Host call                                               | {BC 1 C}             | inline_connector |
| BB4:3     | Toilet fluid level                                      | {BC 1 C}             | inline_connector |
| BB4:4     | Toilet occupied                                         | {BC 1 C}             | inline_connector |
| BB4:5     | Door failure                                            | {BC 1 C}             | inline_connector |
| BB4:6     | Door brake, status                                      | {BC 2 C}             | inline_connector |
| BB4:7     | Door brake,request                                      | {EP 2 D}             | inline_connector |
| BB4:8     | Speed signal 5 km/h                                     | {BA 4 A}             | inline_connector |
| BB4:9     | Any door open                                           | {NA 2 A}             | inline_connector |
| BB4:10    | Speed signal X km/h                                     | {BA 4 B}             | inline_connector |
| BB4:11    | Dimmer,dashboard illumination                           | {GB 1 C}             | inline_connector |
| BB5.A:1   |                                                         | {GB 3 B}             | inline_connector |
| BB5.A:2   |                                                         | {GB 2 B}             | inline_connector |
| BB5.A:11  |                                                         | {GB 4 B}             | inline_connector |
| BB5.A:12  |                                                         | {GB 2 B}             | inline_connector |
| BB5.B:1   |                                                         | {GB 3 B}             | inline_connector |
| BB5.B:2   |                                                         | {GB 2 B}             | inline_connector |
| BB5.B:11  |                                                         | {GB 3 B}             | inline_connector |
| BB5.B:12  |                                                         | {GB 2 B}             | inline_connector |
| BB5:1     | dipped beam.Left                                        | {GB 3 B}             | inline_connector |
| BB5:2     | Dipped beam.Right                                       | {GB 2 B}             | inline_connector |
| BB5:3     | Direction indicator,front and side.Left                 | {GB 4 B}             | inline_connector |
| BB5:4     | Direction indicator,Front and side. Right               | {GB 1 B}             | inline_connector |
| BB5:5     | Fog lamps,front                                         | {GE 2 C}<br>{GE 3 C} | inline_connector |
| BB5:6     | Additional main beam                                    | {GB 0 C}             | inline_connector |
| BB5:7     | End-outline maker,side marker,<br>position lamps.Left   | {GB 4 B}             | inline_connector |
| BB5:8     | End-outline marker,side marker,<br>position lamps.Right | {GB 1 B}             | inline_connector |
| BB5:9     | Fog lamps,front                                         | {GE 0 C}<br>{GE 5 C} | inline_connector |
| BB5:10    | Fog lamps,front                                         | {GE 0 C}<br>{GE 3 C} | inline_connector |
| BB5:11    | Main beam 1.Left                                        | {GB 3 B}             | inline_connector |
| BB5:12    | Main beam 1.Right                                       | {GB 2 B}             | inline_connector |

|                                                                                                                                 |                   |    |             |           |
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| BB6:1     | Starter inhibitor, engine hatch                     | {BC 2 C} | inline_connector |
| BB6:2     | N/A                                                 | {GA 3 D} | inline_connector |
| BB6:3     | AC compressor 3                                     | {CL 2 B} | inline_connector |
| BB6:4     | +30 main swith(fuse F54)                            | {GA 3 D} | inline_connector |
| BB6:5     | Luggage hatch, open                                 | {BB 2 B} | inline_connector |
| BB6:6     | Luggage compartment light                           | {BB 3 C} | inline_connector |
| BB6:12    | Reverse warning signal                              | {GA 3 B} | inline_connector |
| BB7:1     | Stop lamp.Right                                     | {GA 3 B} | inline_connector |
| BB7:2     | Reversing lamps                                     | {GA 4 B} | inline_connector |
| BB7:3     | Direction indicator.Rear left                       | {GA 5 B} | inline_connector |
| BB7:4     | Direction indicator.Rear right                      | {GA 2 B} | inline_connector |
| BB7:5     | Extra direction indicator.Left                      | {GA 4 B} | inline_connector |
| BB7:6     | Extra direction indicator.Right                     | {GA 3 B} | inline_connector |
| BB7:7     | Rear position lamps.Left                            | {GA 5 B} | inline_connector |
| BB7:8     | Rear position lamp.Right                            | {GA 2 B} | inline_connector |
| BB7:9     | End-outline marker,sidemarker lamps.<br>Rear left   | {GA 1 C} | inline_connector |
| BB7:10    | End-outline marker,side marker lamps.<br>Rear right | {GA 1 C} | inline_connector |
| BB7:11    | Stop lamp,left and Category S3 stop lamps           | {GA 5 B} | inline_connector |
| BB7:12    | Fog lamps,Rear                                      | {GA 4 B} | inline_connector |
| BB8:1     | End-outline marker lamp.Front left                  | {GB 4 A} | inline_connector |
| BB8:2     | End-outline marker lamp.Front right                 | {GB 1 A} | inline_connector |
| BB8:3     | Extra main beam                                     | {GB 0 C} | inline_connector |
| BB10A:1   | remote control of extra power amplifier(12V)        | {IU 4 A} | inline_connector |
| BB10A:3   | +15(12V)                                            | {IU 3 C} | inline_connector |
| BB10A:5   | +30(12V)                                            | {IU 4 C} | inline_connector |
| BB10A:7   | Ground                                              | {IU 5 C} | inline_connector |
| BB10A:9   | N/A                                                 | {IU 3 A} | inline_connector |
| BB10B:1   | remote control of extra power amplifier (12V)       | {IU 4 A} | inline_connector |
| BB10B:3   | +15(12V)                                            | {IU 4 C} | inline_connector |
| BB10B:5   | +30(12V)                                            | {IU 3 C} | inline_connector |
| BB10B:7   | Ground                                              | {IU 5 C} | inline_connector |
| BB10B:9   | N/A                                                 | {IU 3 A} | inline_connector |
| BB11:1    |                                                     | {GB 4 B} | inline_connector |
| BB13:1    | AC 1 - 50%                                          | {BC 5 C} | inline_connector |
| BB13:2    | AC compressor 2                                     | {CL 4 C} | inline_connector |
| BB13:3    | AC compressor 3                                     | {CL 4 C} | inline_connector |
| BB13:4    |                                                     | {FB 3 D} | inline_connector |
| BB13:5    | TORQUE REDUCTION                                    | {BC 5 C} | inline_connector |
| BB13:6    | AC compressor 2                                     | {CL 3 A} | inline_connector |
| BB13:7    | AC compressor 3                                     | {CL 2 A} | inline_connector |

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| BBOX1A:1  |                     | {AA 1 C}              | inline_connector |
| BBOX1A:2  |                     | {AA 0 C}              | inline_connector |
| BBOX1A:3  |                     | {AA 0 C}              | inline_connector |
| BBOX1B:1  |                     | {AA 1 B}              | inline_connector |
| BBOX1B:2  |                     | {AA 0 B}              | inline_connector |
| BBOX1B:3  |                     | {AA 0 B}              | inline_connector |
| BBOX:1    |                     | {AA 0 C}<br>{AB2 4 D} | inline_connector |
| BBOX:2    |                     | {AB 4 C}<br>{AB2 3 D} | inline_connector |
| BBOX:3    |                     | {NB 4 D}<br>{AB2 5 D} | inline_connector |
| BFEED:1   |                     | {CU 5 D}              | inline_connector |
| BIO:1     |                     | {CL 3 C}              | inline_connector |
| BIO:2     |                     | {XD 0 B}              | inline_connector |
| BIO:3     |                     | {XD 0 B}              | inline_connector |
| BIO:4     |                     | {XE 4 D}              | inline_connector |
| BIO:5     |                     | {XE 4 C}              | inline_connector |
| BIO:6     |                     | {XE 1 B}              | inline_connector |
| BIO:7     |                     | {XE 1 B}              | inline_connector |
| BIO:9     |                     | {CL 4 C}              | inline_connector |
| BIO:10    |                     | {ZC 0 B}              | inline_connector |
| BMUX:1    |                     | {XD 3 C}              | inline_connector |
| BMUX:2    |                     | {XD 3 C}              | inline_connector |
| BMUX:3    | Externa main switch | {AA 5 C}              | inline_connector |
| BMUX:4    | Externa main switch | {AA 5 B}              | inline_connector |
| BMUX:5    |                     | {AA 5 D}              | inline_connector |
| BOGIE:1   |                     | {FB 3 C}              | inline_connector |
| BOGIE:2   |                     | {FB 3 C}              | inline_connector |
| BOGIE:3   |                     | {FA 1 B}              | inline_connector |
| BOGIE:4   |                     | {FA 2 B}              | inline_connector |
| BOGIE:5   |                     | {FA 2 B}              | inline_connector |
| BOGIE:6   |                     | {EP 4 C}              | inline_connector |
| BOGIE:7   |                     | {EP 4 C}              | inline_connector |
| BOGIE:8   |                     | {EP 3 C}              | inline_connector |
| BOGIE:9   |                     | {EP 3 C}              | inline_connector |
| BOGIE:10  |                     | {ZC 3 B}              | inline_connector |
| BOGIE:11  |                     | {BB 0 C}              | inline_connector |
| BOGIE:12  |                     | {BB 0 C}              | inline_connector |
| BS1:2     |                     | {EO 3 B}              | inline_connector |
| BS1:3     |                     | {EO 3 B}              | inline_connector |
| BS1:4     |                     | {EO 3 B}              | inline_connector |

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| BS1:5      |             | {EO 2 B} | inline_connector |
| BS1:8      |             | {EP 5 D} | inline_connector |
| BS1:9      |             | {EP 5 D} | inline_connector |
| BS1:10     |             | {EP 4 C} | inline_connector |
| BS1:11     |             | {EP 5 D} | inline_connector |
| BS1:12     |             | {EP 5 D} | inline_connector |
| BS2:2      |             | {EP 2 C} | inline_connector |
| BS2:3      |             | {EP 2 C} | inline_connector |
| BS2:5      |             | {EP 2 C} | inline_connector |
| BS2:6      |             | {EP 2 C} | inline_connector |
| BS3:1      |             | {EO 2 B} | inline_connector |
| BS3:2      |             | {EO 2 B} | inline_connector |
| BS3:3      |             | {EO 2 B} | inline_connector |
| BS3:4      |             | {EO 1 B} | inline_connector |
| BS3:5      |             | {EP 1 C} | inline_connector |
| BS3:6      |             | {EP 1 C} | inline_connector |
| BS3:7      |             | {EP 1 B} | inline_connector |
| BS3:8      |             | {NA 2 C} | inline_connector |
| BS3:9      |             | {BB 1 B} | inline_connector |
| BS3:10     |             | {BA 0 C} | inline_connector |
| BS3:11     |             | {BA 0 C} | inline_connector |
| BS3:12     |             | {BA 0 C} | inline_connector |
| D1         | Diod        | {BA 3 A} | componentSymbol  |
| D2         | Diod        | {AA 2 B} | componentSymbol  |
| D3         |             | {GM 1 B} | componentSymbol  |
| DBUS_INT:1 |             | {XE 1 C} | inline_connector |
| DBUS_INT:2 |             | {XE 1 C} | inline_connector |
| DF:1       |             | {NC 3 D} | inline_connector |
| DF:2       |             | {NC 4 C} | inline_connector |
| DF:3       |             | {NC 5 B} | inline_connector |
| DF:4       |             | {XD 3 D} | inline_connector |
| DF:5       |             | {XD 3 D} | inline_connector |
| DF:6       |             | {NC 4 D} | inline_connector |
| DF:11      |             | {NC 3 B} | inline_connector |
| DPF10:A    |             | {XH 2 C} | inline_connector |
| DPF10:B    |             | {XH 2 D} | inline_connector |
| DPF10:C    |             | {XH 1 B} | inline_connector |
| DPF10:D    |             | {XH 1 B} | inline_connector |
| DPF10:E    |             | {CX 3 D} | inline_connector |
| DPF10:F    |             | {BB 4 D} | inline_connector |
| DPF10:G    |             | {BB 4 D} | inline_connector |
| DPF10:J    |             | {CX 3 C} | inline_connector |

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|-------------|--------------------------------|----------------------|---------------------------|
| DPF10:K     |                                | {CX 2 C}             | inline_connector          |
| DPF10:L     |                                | {CX 2 B}             | inline_connector          |
| DPF10:M     |                                | {CX 2 B}             | inline_connector          |
| E07L        | Fog light left                 | {GE 0 B}<br>{GE 3 B} | componentSymbol           |
| E07LR       | Fog light left rear            | {GA 4 B}             | componentSymbol           |
| E07R        | Fog light right                | {GE 0 B}<br>{GE 2 B} | componentSymbol           |
| E07RR       | Fog light right rear           | {GA 4 B}             | componentSymbol           |
| E09         | Lamp,brake light               | {GA 4 B}             | componentSymbol           |
| E11LA       | Side marker light left         | {GA 1 B}             | componentSymbol           |
| E11LF       | Side marker light left front   | {GA 2 B}             | componentSymbol           |
| E11LR       | Side marker light left rear    | {GA 1 B}             | componentSymbol           |
| E11ML       | Side marker light middle left  | {GA 1 B}             | componentSymbol           |
| E11MR       | Side marker light middle right | {GA 0 B}             | componentSymbol           |
| E11RA       | Side marker light right        | {GA 0 B}             | componentSymbol           |
| E11RF       | Side marker light right front  | {GA 1 B}             | componentSymbol           |
| E11RR       | Side marker light right rear   | {GA 1 B}             | componentSymbol           |
| E11TL       | Position Light,Left(Trailer)   | {GA 2 B}             | componentSymbol           |
| E11TR       | Position Light,Right(Trailer)  | {GA 1 B}             | componentSymbol           |
| E13L        | Dir. ind. left                 | {GA 4 B}             | componentSymbol           |
| E13LA       | Dir.indicator left             | {GA 4 B}             | componentSymbol           |
| E13R        | Dir. ind. right                | {GA 3 B}             | componentSymbol           |
| E13RB       | Dir.indicator right            | {GA 3 B}             | componentSymbol           |
| earth5_553  |                                | {GA 4 A}             | global_terminal_connector |
| earth6_553  |                                | {GA 3 A}             | global_terminal_connector |
| earth8_553  |                                | {GA 3 A}             | global_terminal_connector |
| earth9_553  |                                | {GA 2 B}             | global_terminal_connector |
| earth10_553 |                                | {GA 1 B}             | global_terminal_connector |
| earth11_553 |                                | {GA 1 B}             | global_terminal_connector |
| earth12_553 |                                | {GA 0 B}             | global_terminal_connector |
| earth18_82  | Ground conn., steering column  | {IS 2 A}             | global_terminal_connector |
| earth23_94  |                                | {GA 4 B}             | global_terminal_connector |

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|------------|-------------|----------|---------------------------|
| earth38_72 |             | {GA 4 B} | global_terminal_connector |
| ECS1:1     |             | {FA 4 B} | inline_connector          |
| ECS1:2     |             | {FA 4 B} | inline_connector          |
| ECS1:3     |             | {FA 4 B} | inline_connector          |
| ECS1:5     |             | {FB 5 C} | inline_connector          |
| ECS1:6     |             | {FB 2 C} | inline_connector          |
| ECS1:7     |             | {FB 1 C} | inline_connector          |
| ECS1:8     |             | {FB 5 C} | inline_connector          |
| ECS1:9     |             | {FB 5 C} | inline_connector          |
| ECS1:10    |             | {FB 1 C} | inline_connector          |
| ECS1:11    |             | {FB 2 C} | inline_connector          |
| ECS1:12    |             | {FA 4 C} | inline_connector          |
| ECS2:1     |             | {FA 5 B} | inline_connector          |
| ECS2:2     |             | {FA 4 B} | inline_connector          |
| ECS2:3     |             | {FA 5 B} | inline_connector          |
| ECS2:4     |             | {FB 4 C} | inline_connector          |
| ECS2:5     |             | {FB 4 C} | inline_connector          |
| ECS2:6     |             | {FB 2 C} | inline_connector          |
| ECS2:7     |             | {FB 2 C} | inline_connector          |
| ECS2:8     |             | {FB 5 D} | inline_connector          |
| ECS2:9     |             | {FB 4 C} | inline_connector          |
| ECS2:10    |             | {FB 1 C} | inline_connector          |
| ECS2:11    |             | {FB 2 C} | inline_connector          |
| ECS2:12    |             | {FA 5 C} | inline_connector          |
| EMS:1      |             | {BA 5 B} | inline_connector          |
| EMS:2      |             | {XC 1 B} | inline_connector          |
| EMS:3      |             | {XC 1 B} | inline_connector          |
| EMS:4      |             | {XD 1 C} | inline_connector          |
| EMS:5      |             | {XD 1 C} | inline_connector          |
| EMS:6      |             | {BA 4 D} | inline_connector          |
| EMS:7      |             | {BA 3 D} | inline_connector          |
| EMS:9      |             | {BA 4 C} | inline_connector          |
| EMS:10     |             | {ZC 4 B} | inline_connector          |
| EMS:11     |             | {BB 1 C} | inline_connector          |
| ENG1:2     |             | {AA 2 B} | inline_connector          |
| ENG1:3     |             | {BB 4 B} | inline_connector          |
| ENG1:4     |             | {AA 2 B} | inline_connector          |
| ENG1:5     |             | {BB 4 D} | inline_connector          |
| ENG1:6     |             | {AA 2 C} | inline_connector          |
| ENG1:7     |             | {AF 4 B} | inline_connector          |
| ENG1:8     |             | {AF 4 D} | inline_connector          |

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|-----------|-------------------------------|-----------|------------------|
| ENG1:9    |                               | {AF 1 C}  | inline_connector |
| ENG1:10   |                               | {NA2 4 A} | inline_connector |
| ENG1:11   |                               | {NA 4 C}  | inline_connector |
| ENG1:12   |                               | {ZC 3 B}  | inline_connector |
| EU4:4     |                               | {EO 1 B}  | inline_connector |
| EU4:5     |                               | {EO 1 B}  | inline_connector |
| EU4:6     |                               | {EO 1 B}  | inline_connector |
| EU4:7     |                               | {EO 0 B}  | inline_connector |
| EU4:8     |                               | {BA 4 C}  | inline_connector |
| EU4:10    |                               | {CU 5 D}  | inline_connector |
| EU4:11    |                               | {XF 1 C}  | inline_connector |
| EU4:12    |                               | {XF 1 C}  | inline_connector |
| F1        | ECS, 5A                       | {FA 0 D}  | componentSymbol  |
| F2        | BIC2,10A                      | {NA 1 D}  | componentSymbol  |
| F4        | EBS,20A                       | {EO 5 D}  | componentSymbol  |
| F5        | Horn,5A                       | {IS 3 D}  | componentSymbol  |
| F7        | Gearbox ECU I-shift, 10A      | {DN 3 D}  | componentSymbol  |
| F8        | Gear selector ,I-Shift,5A     | {DN 3 D}  | componentSymbol  |
| F9        | Switchbox start/stop rear, 5A | {AA 2 D}  | componentSymbol  |
| F10       | Fire Alarm,5A                 | {BB 4 D}  | componentSymbol  |
| F11       | Dyna fleet, FMS, 10A          | {NC 5 D}  | componentSymbol  |
| F12       | Body +30,5A                   | {BB 3 D}  | componentSymbol  |
| F14       | BBM,5A                        | {BB 5 D}  | componentSymbol  |
| F15       | EECU,15A                      | {BA 4 D}  | componentSymbol  |
| F16       | VECU,5A                       | {BA 4 D}  | componentSymbol  |
| F17       | Switch feed, 5A               | {FA 1 D}  | componentSymbol  |
| F18       | Alternator, 5A                | {AF 1 D}  | componentSymbol  |
| F19       | Hymer, 10A                    | {AF 4 D}  | componentSymbol  |
| F20       | EBS,10A                       | {EO 5 D}  | componentSymbol  |
| F21       | Wiper,Washer,15A              | {GM 2 D}  | componentSymbol  |
| F23       | ACC, FMS,5A                   | {NE 3 D}  | componentSymbol  |
| F24       | BIC 2,5A                      | {NA 1 D}  | componentSymbol  |
| F25       | Washer motor, 15A             | {GM 4 D}  | componentSymbol  |
| F26       | ECS,5A                        | {FA 0 D}  | componentSymbol  |
| F28       | Retarder, 10A                 | {DN 4 D}  | componentSymbol  |
| F29       | Body +DR, 5A                  | {BB 3 D}  | componentSymbol  |
| F31       | Hydraulic oil, DNOx2, 10A     | {NA 5 D}  | componentSymbol  |
| F32       | Tachograph,5A                 | {NB 4 D}  | componentSymbol  |
| F33       | BIC 2,5A                      | {NA 2 D}  | componentSymbol  |
| F35       | LCM ,25A                      | {GA 5 D}  | componentSymbol  |
| F36       | LCM,25A                       | {GA 4 D}  | componentSymbol  |
| F37       | LCM,25A                       | {GA 3 D}  | componentSymbol  |

|                                                                                                                     |                          |             |               |               |
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| F39       | DNOx2, 25A                                                 | {CU 5 D}               | componentSymbol |
| F40       | Voltage guard, 5A                                          | {AA 1 D}               | componentSymbol |
| F41       | Radio,20A                                                  | {IU 4 D}               | componentSymbol |
| F42       | Maine Switch,5A                                            | {AA 5 D}               | componentSymbol |
| F44       | LCM,25A                                                    | {GA 5 D}               | componentSymbol |
| F45       | LCM,25A                                                    | {GA 4 D}               | componentSymbol |
| F46       | LCM,25A                                                    | {GA 4 D}               | componentSymbol |
| F47       | Side marker L, 5A                                          | {GA 1 D}               | componentSymbol |
| F48       | Side marker R, 5A                                          | {GA 1 D}               | componentSymbol |
| F49       | Fuel cut off valve, 5A                                     | {NA 5 D}               | componentSymbol |
| F51       | Radio,5A                                                   | {IU 4 D}               | componentSymbol |
| F52       | Luggage Light,10A                                          | {BB 2 D}               | componentSymbol |
| F53       | Bogie Valve, Heater waterseperator, 5A                     | {BB 0 D}               | componentSymbol |
| F54       | Engine/Luggage hatch,5A                                    | {GA 3 D}               | componentSymbol |
| F55       | Engine brake valve, Preheat relay,<br>Fan speed clutch,10A | {BA 4 D}               | componentSymbol |
| F56       | Engine brake, 10A                                          | {BA 4 D}               | componentSymbol |
| F57       | Key switch,5A                                              | {AA 4 D}               | componentSymbol |
| F58       | FTM, 5A                                                    | {CL 3 D}               | componentSymbol |
| F61       | Light, luggageroom,10A                                     | {GA 3 D}               | componentSymbol |
| F62       | Light sleeping compartment, 20A                            | {GA 3 D}               | componentSymbol |
| F63       |                                                            | {CL 1 C}               | componentSymbol |
| F64       | Load Indicator                                             | {CL 2 C}               | componentSymbol |
| F90A      |                                                            | {CU 1 B}               | componentSymbol |
| F90B      |                                                            | {CU 1 B}               | componentSymbol |
| F96       | Fuse, Xenon low beam L, 10A                                | {GN 5 C}               | componentSymbol |
| F97       | Fuse, Xenon low beam R, 10A                                | {GN 4 C}               | componentSymbol |
| F98       | Fuse, Xenon high beam L, 10A                               | {GN 4 C}               | componentSymbol |
| F99       | Fuse, Xenon high beam R,10A                                | {GN 4 C}               | componentSymbol |
| F201      |                                                            | {AB3 2 D}              | componentSymbol |
| F202      |                                                            | {AB3 3 D}<br>{AB3 3 E} | componentSymbol |
| F203      |                                                            | {AB3 3 D}<br>{AB3 3 E} | componentSymbol |
| F204      |                                                            | {AB3 3 D}<br>{AB3 3 E} | componentSymbol |
| F205      |                                                            | {AB3 3 E}<br>{AB3 3 D} | componentSymbol |
| F206      |                                                            | {AB3 3 E}<br>{AB3 3 C} | componentSymbol |
| F207      |                                                            | {AB3 3 E}<br>{AB3 3 C} | componentSymbol |

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|-----------|--------------------|------------------------|------------------|
| F208      |                    | {AB3 2 E}<br>{AB3 2 C} | componentSymbol  |
| F209      |                    | {AB3 3 E}<br>{AB3 3 C} | componentSymbol  |
| F210      |                    | {AB3 2 C}<br>{AB3 2 E} | componentSymbol  |
| F211      |                    | {AB3 3 E}<br>{AB3 3 C} | componentSymbol  |
| F212      |                    | {AB3 3 E}<br>{AB3 3 C} | componentSymbol  |
| F213      |                    | {AB3 4 E}<br>{AB3 4 C} | componentSymbol  |
| F214      |                    | {AB3 2 C}              | componentSymbol  |
| F907      | Fuse 12V I-shift   | {AB 3 B}               | componentSymbol  |
| F912      |                    | {AB 3 C}               | componentSymbol  |
| F915      | Fuse 12V EMS2      | {AB 3 B}               | componentSymbol  |
| F924      |                    | {AB 3 C}               | componentSymbol  |
| F955      | Fuse 12V Act. EMS2 | {AB 2 B}               | componentSymbol  |
| F956      | Fuse 12V Fuel Pump | {AB 2 B}               | componentSymbol  |
| F957      | Fuse 12V Cool Fan  | {AB 2 B}               | componentSymbol  |
| F958      |                    | {AB 2 B}               | componentSymbol  |
| FEED:1    |                    | {BA 5 D}               | inline_connector |
| FEEDX:1   |                    | {GN 4 D}               | inline_connector |
| FH1       | FuseHolder 12V     | {AB 2 B}               | componentSymbol  |
| FH1A:1    |                    | {DN 3 C}               | inline_connector |
| FH1A:2    |                    | {DN 3 C}               | inline_connector |
| FH1A:3    |                    | {DN 3 D}               | inline_connector |
| FH1A:6    |                    | {IS 3 D}               | inline_connector |
| FH1A:7    |                    | {FA 0 D}               | inline_connector |
| FH1A:8    |                    | {EO 5 D}               | inline_connector |
| FH1A:10   |                    | {NA 1 D}               | inline_connector |
| FH1B:1    |                    | {BA 4 D}               | inline_connector |
| FH1B:2    |                    | {BA 4 D}               | inline_connector |
| FH1B:3    |                    | {BA 5 D}               | inline_connector |
| FH1B:4    |                    | {AA 2 D}               | inline_connector |
| FH1B:6    |                    | {BB 5 D}               | inline_connector |
| FH1B:7    |                    | {BB 4 D}               | inline_connector |
| FH1B:10   |                    | {NC 5 D}               | inline_connector |
| FH1B:11   |                    | {BB 3 D}               | inline_connector |
| FH2A:1    |                    | {GM 2 D}               | inline_connector |
| FH2A:3    |                    | {NE 3 D}               | inline_connector |
| FH2A:4    |                    | {EO 5 D}               | inline_connector |
| FH2A:5    |                    | {AA 2 D}               | inline_connector |

|                                                                                                                     |                          |             |               |               |
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| FH2A:6    |                         | {NA 1 D} | inline_connector |
| FH2A:7    |                         | {AF 4 D} | inline_connector |
| FH2A:8    |                         | {AF 1 D} | inline_connector |
| FH2A:9    |                         | {FA 1 D} | inline_connector |
| FH2B:1    |                         | {BB 3 D} | inline_connector |
| FH2B:3    |                         | {NA 5 D} | inline_connector |
| FH2B:4    |                         | {DN 4 D} | inline_connector |
| FH2B:5    |                         | {AA 2 D} | inline_connector |
| FH2B:6    |                         | {NB 4 D} | inline_connector |
| FH2B:8    |                         | {FA 0 D} | inline_connector |
| FH2B:9    |                         | {GM 4 D} | inline_connector |
| FH3A:1    |                         | {BA 4 D} | inline_connector |
| FH3A:2    |                         | {BA 4 D} | inline_connector |
| FH3A:3    |                         | {BA 4 D} | inline_connector |
| FH3A:4    |                         | {GA 3 D} | inline_connector |
| FH3A:5    |                         | {BB 0 D} | inline_connector |
| FH3A:7    |                         | {NA 5 D} | inline_connector |
| FH3A:8    |                         | {BB 2 D} | inline_connector |
| FH3A:12   |                         | {IU 4 D} | inline_connector |
| FH3B:1    |                         | {CL 2 C} | inline_connector |
| FH3B:2    |                         | {CL 1 C} | inline_connector |
| FH3B:3    |                         | {CL 1 C} | inline_connector |
| FH3B:4    |                         | {AA 4 D} | inline_connector |
| FH3B:5    |                         | {GA 3 D} | inline_connector |
| FH3B:7    |                         | {CL 3 D} | inline_connector |
| FH3B:9    |                         | {GA 3 D} | inline_connector |
| FH4A:2    |                         | {CU 5 D} | inline_connector |
| FH4A:3    |                         | {CU 5 D} | inline_connector |
| FH4A:4    |                         | {AA 1 D} | inline_connector |
| FH4A:5    |                         | {GA 3 D} | inline_connector |
| FH4A:7    |                         | {NA 2 D} | inline_connector |
| FH4A:8    |                         | {GA 4 D} | inline_connector |
| FH4A:12   |                         | {GA 5 D} | inline_connector |
| FH4B:1    |                         | {GA 1 C} | inline_connector |
| FH4B:2    |                         | {GA 1 C} | inline_connector |
| FH4B:3    |                         | {GA 1 C} | inline_connector |
| FH4B:4    |                         | {IU 4 D} | inline_connector |
| FH4B:5    |                         | {GA 4 D} | inline_connector |
| FH4B:7    |                         | {AA 5 D} | inline_connector |
| FH4B:8    |                         | {GA 4 D} | inline_connector |
| FH4B:12   |                         | {GA 5 D} | inline_connector |
| FH5       | Fuse house, Xenon light | {GN 5 C} | componentSymbol  |

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|------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------------|------------------|
| FL2:11                                                                                                                       |                   | {GB 5 C}                 | inline_connector |
| FL2A                                                                                                                         | Front light, L    | {GE 2 B}<br>{GE 5 B}     | componentSymbol  |
| FL3:11                                                                                                                       |                   | {GB 5 C}                 | inline_connector |
| FL3A                                                                                                                         | Front light, R    | {GE 1 B}<br>{GE 3 B}     | componentSymbol  |
| FTM:1                                                                                                                        |                   | {CL 3 C}                 | inline_connector |
| FTM:2                                                                                                                        |                   | {XD 0 B}                 | inline_connector |
| FTM:3                                                                                                                        |                   | {XD 0 B}                 | inline_connector |
| FTM:4                                                                                                                        |                   | {XE 5 B}                 | inline_connector |
| FTM:5                                                                                                                        |                   | {XE 5 B}                 | inline_connector |
| FTM:6                                                                                                                        |                   | {XE 5 C}                 | inline_connector |
| FTM:7                                                                                                                        |                   | {XE 5 C}                 | inline_connector |
| FTM:9                                                                                                                        |                   | {AA 2 D}                 | inline_connector |
| FTM:10                                                                                                                       |                   | {ZC 1 B}                 | inline_connector |
| FTM_J:4                                                                                                                      |                   | {XE 5 B}                 | inline_connector |
| FTM_J:5                                                                                                                      |                   | {XE 5 B}                 | inline_connector |
| FTM_J:6                                                                                                                      |                   | {XE 5 C}                 | inline_connector |
| FTM_J:7                                                                                                                      |                   | {XE 5 C}                 | inline_connector |
| FUEL:1                                                                                                                       |                   | {NA 4 A}                 | inline_connector |
| FUEL:2                                                                                                                       |                   | {NA 4 A}                 | inline_connector |
| FUEL:3                                                                                                                       |                   | {NA 4 B}                 | inline_connector |
| FUEL:5                                                                                                                       |                   | {NA 5 D}                 | inline_connector |
| FUEL:6                                                                                                                       |                   | {NA 5 C}                 | inline_connector |
| FUEL:7                                                                                                                       |                   | {FA 3 B}                 | inline_connector |
| FUEL:8                                                                                                                       |                   | {FA 3 B}                 | inline_connector |
| FUEL:9                                                                                                                       |                   | {FA 4 C}                 | inline_connector |
| FUEL:10                                                                                                                      |                   | {FB 0 C}                 | inline_connector |
| FUEL:11                                                                                                                      |                   | {FB 3 C}                 | inline_connector |
| G01                                                                                                                          | Battery           | {AB 5 B}<br>{AB2 4 B}    | componentSymbol  |
| G01.B                                                                                                                        |                   | {AC 3 B}                 | componentSymbol  |
| G01B                                                                                                                         | Battery           | {AB 4 B}<br>{AB2 4 B}    | componentSymbol  |
| G01B.A                                                                                                                       |                   | {AC 3 B}                 | componentSymbol  |
| G01B:C                                                                                                                       |                   | {AB 4 B}                 | componentSymbol  |
| G02                                                                                                                          | Alternator 1      | {AF 2 B}                 | componentSymbol  |
| G03                                                                                                                          | Alternator 2      | {AF 2 B}                 | componentSymbol  |
| G08A                                                                                                                         | Battery           | {AC 3 B}                 | componentSymbol  |
| G08A_A                                                                                                                       |                   | {AC 3 C}                 | componentSymbol  |
| G08B                                                                                                                         | Battery           | {AC 3 B}                 | componentSymbol  |
| G08B_B                                                                                                                       |                   | {AC 3 A}                 | componentSymbol  |
| G901                                                                                                                         | Battery Equalizer | {AB 3 D}                 | componentSymbol  |
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|-----------|----------------|------------------------|------------------|
| GBX:1     |                | {DN3 2 D}<br>{DN2 2 D} | inline_connector |
| GBX:2     |                | {DN 2 C}               | inline_connector |
| GBX:7     |                | {XC 0 A}               | inline_connector |
| GBX:8     |                | {XC 0 A}               | inline_connector |
| GBX:9     |                | {XD 1 B}               | inline_connector |
| GBX:10    |                | {XD 1 B}               | inline_connector |
| GBX:13    |                | {NA 4 C}               | inline_connector |
| GBX:17    |                | {BA 2 B}               | inline_connector |
| GBX:18    |                | {BA 2 B}               | inline_connector |
| GND       |                | {BA 2 A}               | componentSymbol  |
| GND1A     |                | {ZC 2 B}               | componentSymbol  |
| GND1B     |                | {ZC 4 A}               | componentSymbol  |
| GND1C     |                | {ZC 2 A}               | componentSymbol  |
| GND1D     |                | {ZC 0 A}               | componentSymbol  |
| GND1E     |                | {CS 0 C}               | componentSymbol  |
| GND1UA:1  |                | {CU 2 A}               | componentSymbol  |
| GND1UB:1  |                | {CU 1 A}               | componentSymbol  |
| GND2A     |                | {AF 2 A}               | componentSymbol  |
| GND2B     |                | {AF 2 A}               | componentSymbol  |
| GND6      |                | {GB 5 B}               | componentSymbol  |
| GND6B     |                | {ZC 3 C}<br>{GE 0 A}   | componentSymbol  |
| GND11     |                | {ZC 1 C}               | componentSymbol  |
| GND31A    |                | {ZC 1 A}               | componentSymbol  |
| GND31A:A  |                | {ZC 0 A}               | componentSymbol  |
| GND31B    |                | {AB 4 A}<br>{AB2 4 A}  | componentSymbol  |
| GND31F    |                | {ZC 3 A}               | componentSymbol  |
| GND31R    |                | {ZC 3 A}               | componentSymbol  |
| GND40     |                | {AF 3 A}               | componentSymbol  |
| GND41     |                | {AF 3 A}               | componentSymbol  |
| GND74     |                | {CU 1 A}               | componentSymbol  |
| GND75     |                | {AB 2 D}               | componentSymbol  |
| GND900    |                | {AC 3 A}               | componentSymbol  |
| GND_PH    |                | {CS 5 A}               | componentSymbol  |
| GNDX      |                | {ZC 0 C}               | componentSymbol  |
| H01       | Air,Operated   | {IS 3 C}               | componentSymbol  |
| H02       | Diaphragm horn | {IS 2 C}               | componentSymbol  |
| IB1:1     |                | {NA 2 D}               | inline_connector |
| IB1:2     |                | {NA 2 B}               | inline_connector |

|                                                                                                                     |                          |             |               |               |
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| IB1:3     |             | {NA 2 B} | inline_connector |
| IB1:4     |             | {NA 2 B} | inline_connector |
| IB1:5     |             | {NA 2 B} | inline_connector |
| IB1:6     |             | {NA 2 B} | inline_connector |
| IB1:7     |             | {NA 1 D} | inline_connector |
| IB1:8     |             | {NA 3 C} | inline_connector |
| IB1:9     |             | {AF 2 C} | inline_connector |
| IB1:10    |             | {AF 1 C} | inline_connector |
| IB1:11    |             | {NA 2 C} | inline_connector |
| IB1:12    |             | {NA 4 C} | inline_connector |
| IB1:13    |             | {NA 4 C} | inline_connector |
| IB1:14    |             | {XC 3 D} | inline_connector |
| IB1:15    |             | {XC 3 D} | inline_connector |
| IB1:16    |             | {XD 2 D} | inline_connector |
| IB1:17    |             | {XD 2 D} | inline_connector |
| IB1:18    |             | {NA 1 D} | inline_connector |
| IB2:1     |             | {NA 3 B} | inline_connector |
| IB2:2     |             | {NA 3 B} | inline_connector |
| IB2:3     |             | {NA 3 B} | inline_connector |
| IB2:4     |             | {NA 2 B} | inline_connector |
| IB2:5     |             | {NA 3 C} | inline_connector |
| IB2:6     |             | {NA 4 B} | inline_connector |
| IB2:7     |             | {GA 1 C} | inline_connector |
| IB2:8     |             | {ZC 5 B} | inline_connector |
| IB2:9     |             | {GA 3 C} | inline_connector |
| IB2:11    |             | {IS 3 B} | inline_connector |
| IB2:12    |             | {IS 2 B} | inline_connector |
| IB2:13    |             | {EP 2 C} | inline_connector |
| IB2:14    |             | {EP 2 C} | inline_connector |
| IB2:15    |             | {EP 2 B} | inline_connector |
| IB2:16    |             | {EP 2 B} | inline_connector |
| IB2:17    |             | {AA 4 C} | inline_connector |
| IB2:18    |             | {NC 5 D} | inline_connector |
| IB3:1     |             | {BA 1 C} | inline_connector |
| IB3:2     |             | {BA 1 C} | inline_connector |
| IB3:3     |             | {BA 1 C} | inline_connector |
| IB3:4     |             | {BA 1 C} | inline_connector |
| IB3:5     |             | {BA 1 C} | inline_connector |
| IB3:6     |             | {BA 1 B} | inline_connector |
| IB3:7     |             | {BA 3 C} | inline_connector |
| IB3:8     |             | {BA 3 C} | inline_connector |
| IB3:9     |             | {BA 3 C} | inline_connector |

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| IB3:10    |             | {BA 3 C}  | inline_connector |
| IB3:11    |             | {BA 3 C}  | inline_connector |
| IB3:12    |             | {BA 3 C}  | inline_connector |
| IB3:13    |             | {BA 1 C}  | inline_connector |
| IB3:14    |             | {IU 4 D}  | inline_connector |
| IB3:15    |             | {IU 4 D}  | inline_connector |
| IB3:16    |             | {IU 4 C}  | inline_connector |
| IB3:17    |             | {FA 1 D}  | inline_connector |
| IB3:18    |             | {ZC 4 B}  | inline_connector |
| IB4:1     |             | {GB 2 C}  | inline_connector |
| IB4:2     |             | {GB 3 C}  | inline_connector |
| IB4:3     |             | {GB 4 C}  | inline_connector |
| IB4:4     |             | {GB 3 C}  | inline_connector |
| IB4:5     |             | {GB 3 C}  | inline_connector |
| IB4:6     |             | {GA 4 B}  | inline_connector |
| IB4:7     |             | {GE 2 C}  | inline_connector |
| IB4:8     |             | {GB 4 C}  | inline_connector |
| IB4:9     |             | {GB 4 C}  | inline_connector |
| IB4:10    |             | {GB 2 C}  | inline_connector |
| IB4:11    |             | {GB 2 C}  | inline_connector |
| IB4:12    |             | {GB 1 C}  | inline_connector |
| IB4:13    |             | {GB 1 C}  | inline_connector |
| IB4:14    |             | {GB 1 C}  | inline_connector |
| IB4:15    |             | {EP 0 D}  | inline_connector |
| IB4:16    |             | {EP 0 D}  | inline_connector |
| IB4:17    |             | {EP 1 C}  | inline_connector |
| IB4:18    |             | {EP 1 C}  | inline_connector |
| IB5:2     |             | {AA 3 D}  | inline_connector |
| IB5:3     |             | {BA 1 B}  | inline_connector |
| IB5:4     |             | {AA 3 B}  | inline_connector |
| IB5:5     |             | {AA 5 D}  | inline_connector |
| IB5:6     |             | {AA 4 B}  | inline_connector |
| IB5:7     |             | {AA 5 C}  | inline_connector |
| IB5:8     |             | {FA 4 D}  | inline_connector |
| IB5:9     |             | {FA 2 B}  | inline_connector |
| IB5:10    |             | {NA2 4 B} | inline_connector |
| IB5:11    |             | {FA 3 C}  | inline_connector |
| IB5:12    |             | {FA 3 C}  | inline_connector |
| IB5:13    |             | {AA 3 C}  | inline_connector |
| IB5:14    |             | {FA 1 B}  | inline_connector |
| IB5:15    |             | {FA 1 B}  | inline_connector |
| IB5:16    |             | {FA 2 B}  | inline_connector |

|                                                                                                                                 |                   |    |             |           |
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| IB5:17    |             | {EO 3 B} | inline_connector |
| IB5:18    |             | {NA 3 C} | inline_connector |
| IB6:1     |             | {NB 4 D} | inline_connector |
| IB6:2     |             | {XJ 4 C} | inline_connector |
| IB6:3     |             | {XJ 4 C} | inline_connector |
| IB6:4     |             | {NB 4 D} | inline_connector |
| IB6:5     |             | {ZC 5 B} | inline_connector |
| IB6:6     |             | {NB 3 D} | inline_connector |
| IB6:7     |             | {NB 4 C} | inline_connector |
| IB6:8     |             | {NB 4 C} | inline_connector |
| IB6:9     |             | {NB 4 C} | inline_connector |
| IB6:10    |             | {NB 4 C} | inline_connector |
| IB6:12    |             | {NB 3 B} | inline_connector |
| IB7:1     |             | {GM 4 D} | inline_connector |
| IB7:2     |             | {GB 0 C} | inline_connector |
| IB7:3     |             | {GB 0 C} | inline_connector |
| IB7:4     |             | {GM 2 C} | inline_connector |
| IB7:5     |             | {XF 0 C} | inline_connector |
| IB7:6     |             | {XF 0 C} | inline_connector |
| IB7:7     |             | {NA 2 C} | inline_connector |
| IB7:8     |             | {GM 1 C} | inline_connector |
| IB7:10    |             | {ZC 4 B} | inline_connector |
| IB7:11    |             | {NA 2 B} | inline_connector |
| IB7:12    |             | {GM 0 C} | inline_connector |
| IB8:1     |             | {EO 4 B} | inline_connector |
| IB8:2     |             | {EO 4 B} | inline_connector |
| IB8:3     |             | {EO 4 B} | inline_connector |
| IB8:4     |             | {EO 4 B} | inline_connector |
| IB8:5     |             | {EO 4 B} | inline_connector |
| IB8:7     |             | {GB 1 C} | inline_connector |
| IB8:8     |             | {CL 2 B} | inline_connector |
| IB8:9     |             | {CL 3 B} | inline_connector |
| IB8:10    |             | {CL 2 B} | inline_connector |
| IB8:11    |             | {CL 4 C} | inline_connector |
| IB8:12    |             | {CL 4 C} | inline_connector |
| IB9:1     |             | {BA 3 B} | inline_connector |
| IB9:2     |             | {BA 2 B} | inline_connector |
| IB9:3     |             | {GE 4 C} | inline_connector |
| IB9:4     |             | {ZC 5 B} | inline_connector |
| IB9:5     |             | {GE 4 C} | inline_connector |
| IB9:6     |             | {GA 3 B} | inline_connector |
| IB9:7     |             | {BA 2 C} | inline_connector |

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| IB9:8     |                              | {BA 3 C}               | inline_connector |
| IB9:9     |                              | {BA 2 C}               | inline_connector |
| IB9:10    |                              | {BA 2 C}               | inline_connector |
| IB9:11    |                              | {BA 2 C}               | inline_connector |
| IB9:12    |                              | {BA 2 C}               | inline_connector |
| IB10:1    |                              | {DN 4 C}               | inline_connector |
| IB10:2    |                              | {GA 2 C}               | inline_connector |
| IB10:3    |                              | {BB 4 B}               | inline_connector |
| IB10:8    |                              | {DN 3 C}               | inline_connector |
| IB10:9    |                              | {ZC 1 B}               | inline_connector |
| IB10:10   |                              | {DN 4 C}               | inline_connector |
| IB10_I:1  |                              | {DN 4 C}               | inline_connector |
| IB10_I:8  |                              | {DN 3 C}               | inline_connector |
| IB10_I:10 |                              | {DN 4 C}               | inline_connector |
| IS:1      |                              | {XD 3 D}               | inline_connector |
| IS:2      |                              | {XD 3 D}               | inline_connector |
| IS:3      |                              | {XC 4 C}               | inline_connector |
| IS:4      |                              | {XC 4 C}               | inline_connector |
| K2        | Load Indicator               | {CL 2 C}               | componentSymbol  |
| K02       |                              | {GB 5 C}               | componentSymbol  |
| K3        | ECS                          | {FA 0 B}               | componentSymbol  |
| K4        | I-Shift/Voith                | {DN 3 D}               | componentSymbol  |
| K7        | Start engine                 | {AF 4 C}               | componentSymbol  |
| K8        | VECU/EMS                     | {BA 5 C}               | componentSymbol  |
| K9        | Wiper/Washer                 | {GM 2 C}               | componentSymbol  |
| K11       | Prevent start engine         | {AA 2 C}               | componentSymbol  |
| K12       | Luggage Light                | {BB 2 C}               | componentSymbol  |
| K13       | Emergency switch relay       | {AA 4 D}               | componentSymbol  |
| K14       | Bogie                        | {BB 0 C}               | componentSymbol  |
| K17       | Ignition +15                 | {AA 2 D}               | componentSymbol  |
| K25X      | Xenon light low beam left    | {GN 5 B}               | componentSymbol  |
| K26X      | Xenon light low beam right   | {GN 4 B}               | componentSymbol  |
| K27X      | Xenon light high beam left   | {GN 4 B}               | componentSymbol  |
| K28X      | Xenon light high beam right  | {GN 4 B}               | componentSymbol  |
| K35       | relay_disconn_headlight_wash | {GM 4 C}               | componentSymbol  |
| K200      | Relay engine preheat         | {AB3 3 C}              | componentSymbol  |
| K201      |                              | {AB3 3 C}<br>{AB3 3 E} | componentSymbol  |
| K202      |                              | {AB3 4 E}<br>{AB3 4 C} | componentSymbol  |
| K902      |                              | {CU 3 B}               | componentSymbol  |
| K903      |                              | {CU 3 B}               | componentSymbol  |

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|-----------|----------------------|----------|------------------|
| K908      |                      | {CU 4 B} | componentSymbol  |
| K909      |                      | {CU 2 B} | componentSymbol  |
| K911      | Relay, DRL Light     | {GE 4 C} | componentSymbol  |
| K918      | Relay 12V EMS2       | {AB 3 C} | componentSymbol  |
| K925      | Relay, Voltage guard | {AA 1 C} | componentSymbol  |
| KH1A:1    |                      | {FA 0 B} | inline_connector |
| KH1A:2    |                      | {FA 0 B} | inline_connector |
| KH1A:3    |                      | {FA 0 B} | inline_connector |
| KH1A:4    |                      | {CL 2 C} | inline_connector |
| KH1A:5    |                      | {FA 0 B} | inline_connector |
| KH1A:7    |                      | {CL 2 B} | inline_connector |
| KH1A:10   |                      | {CL 2 B} | inline_connector |
| KH1A:11   |                      | {CL 2 C} | inline_connector |
| KH1B:1    |                      | {DN 3 D} | inline_connector |
| KH1B:2    |                      | {DN 3 D} | inline_connector |
| KH1B:3    |                      | {DN 3 D} | inline_connector |
| KH1B:5    |                      | {DN 3 D} | inline_connector |
| KH2A:1    |                      | {BA 3 A} | inline_connector |
| KH2A:3    |                      | {BA 5 C} | inline_connector |
| KH2A:4    |                      | {BA 3 B} | inline_connector |
| KH2A:5    |                      | {BA 5 C} | inline_connector |
| KH2A:6    |                      | {BA 5 C} | inline_connector |
| KH2A:7    |                      | {AF 4 C} | inline_connector |
| KH2A:8    |                      | {AF 4 C} | inline_connector |
| KH2A:9    |                      | {BA 5 C} | inline_connector |
| KH2A:10   |                      | {AF 5 C} | inline_connector |
| KH2A:11   |                      | {AF 4 C} | inline_connector |
| KH2A:12   |                      | {AF 4 C} | inline_connector |
| KH2B:1    |                      | {AA 2 B} | inline_connector |
| KH2B:2    |                      | {GM 2 C} | inline_connector |
| KH2B:3    |                      | {GM 2 C} | inline_connector |
| KH2B:4    |                      | {AA 2 B} | inline_connector |
| KH2B:5    |                      | {GM 2 C} | inline_connector |
| KH2B:6    |                      | {GM 2 C} | inline_connector |
| KH2B:9    |                      | {GM 2 C} | inline_connector |
| KH3A:1    |                      | {AA 4 D} | inline_connector |
| KH3A:3    |                      | {AA 4 C} | inline_connector |
| KH3A:4    |                      | {BB 2 C} | inline_connector |
| KH3A:5    |                      | {AA 4 D} | inline_connector |
| KH3A:6    |                      | {AA 4 C} | inline_connector |
| KH3A:7    |                      | {BB 2 D} | inline_connector |
| KH3A:8    |                      | {AA 2 C} | inline_connector |

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| KH3A:9    |                         | {AA 2 C}             | inline_connector |
| KH3A:10   |                         | {BB 2 D}             | inline_connector |
| KH3A:11   |                         | {BB 2 C}             | inline_connector |
| KH3A:12   |                         | {AA 2 C}             | inline_connector |
| KH3A:14   |                         | {AA 2 C}             | inline_connector |
| KH3B:1    |                         | {BB 0 D}             | inline_connector |
| KH3B:2    |                         | {BB 0 C}             | inline_connector |
| KH3B:3    |                         | {BB 0 D}             | inline_connector |
| KH3B:5    |                         | {BB 0 C}             | inline_connector |
| M01       | Motor, windscreen wiper | {GM 1 B}             | componentSymbol  |
| M01:1     |                         | {GM 0 B}             | inline_connector |
| M01:2     |                         | {GM 0 B}             | inline_connector |
| M01:3     |                         | {GM 1 B}             | inline_connector |
| M01:4     |                         | {GM 1 B}             | inline_connector |
| M01:5     |                         | {GM 1 A}             | inline_connector |
| M01:6     |                         | {GM 4 C}             | inline_connector |
| M01:8     |                         | {GM 3 B}             | inline_connector |
| M01:9     |                         | {GM 4 C}             | inline_connector |
| M01:11    |                         | {GM 4 B}             | inline_connector |
| M01:12    |                         | {GM 3 B}             | inline_connector |
| M01:13    |                         | {GM 4 B}             | inline_connector |
| M01:14    |                         | {GM 4 C}             | inline_connector |
| M02       | windscreen_washer_motor | {GM 3 B}             | componentSymbol  |
| M03       | headlights washer motor | {GM 4 B}             | componentSymbol  |
| MED:1     |                         | {XC 3 B}             | inline_connector |
| MED:2     |                         | {XD 5 B}<br>{XG 3 B} | inline_connector |
| MED:3     |                         | {CS 5 C}             | inline_connector |
| MED:4     |                         | {XC 3 B}             | inline_connector |
| MED:5     |                         | {XD 5 B}<br>{XG 3 A} | inline_connector |
| MED:6     |                         | {CS 5 C}             | inline_connector |
| MED:7     |                         | {CS 4 B}             | inline_connector |
| MED:8     |                         | {CS 4 C}             | inline_connector |
| MED:9     |                         | {AF 2 C}             | inline_connector |
| MED:10    |                         | {AF 1 C}             | inline_connector |
| MED:12    |                         | {AF 1 A}             | inline_connector |
| MED:13    |                         | {CS 5 C}             | inline_connector |
| MED:14    |                         | {BB 4 C}             | inline_connector |
| MED:15    |                         | {CS 5 C}             | inline_connector |
| MED:16    |                         | {BB 4 B}             | inline_connector |
| MED:17    |                         | {AF 1 C}             | inline_connector |

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| MED:18    |             | {CS 3 C}               | inline_connector |
| MED:20    |             | {CS 1 C}               | inline_connector |
| MED:21    |             | {CS 2 C}               | inline_connector |
| MED:22    |             | {CS 2 C}               | inline_connector |
| MED:24    |             | {CS 2 B}               | inline_connector |
| MED:25    |             | {CS 4 C}               | inline_connector |
| MED:26    |             | {CS 2 C}               | inline_connector |
| MED:27    |             | {CS 0 C}               | inline_connector |
| MED:28    |             | {CS 4 C}               | inline_connector |
| MED:29    |             | {CS 2 B}               | inline_connector |
| MED:30    |             | {CS 4 B}               | inline_connector |
| MED:31    |             | {CS 0 C}               | inline_connector |
| MED:32    |             | {CS 1 C}               | inline_connector |
| MED:33    |             | {CS 1 C}               | inline_connector |
| MED:34    |             | {CS 2 C}               | inline_connector |
| MED:35    |             | {AF 4 B}               | inline_connector |
| MED:36    |             | {CS 2 C}               | inline_connector |
| MED:37    |             | {CS 3 C}               | inline_connector |
| MED:39    |             | {CS 0 C}               | inline_connector |
| MEDA:1    |             | {NB 4 B}               | inline_connector |
| MEDA:2    |             | {NB 4 B}               | inline_connector |
| MEDA:3    |             | {NB 4 B}               | inline_connector |
| MEDA:4    |             | {NB 4 B}               | inline_connector |
| MEDA:5    |             | {DN3 4 D}              | inline_connector |
| MEDA:6    |             | {DN3 4 D}              | inline_connector |
| MEDA:7    |             | {XC 2 B}               | inline_connector |
| MEDA:8    |             | {XC 2 B}               | inline_connector |
| MEDA:9    |             | {XD 4 B}               | inline_connector |
| MEDA:10   |             | {XD 5 B}               | inline_connector |
| MEDA:11   |             | {DN3 3 D}<br>{DN2 3 C} | inline_connector |
| MEDA:12   |             | {DN3 2 D}<br>{DN2 2 C} | inline_connector |
| ML1:1     |             | {GB 4 A}               | inline_connector |
| ML1:2     |             | {ZC 2 D}               | inline_connector |
| ML1:3     |             | {GE 5 B}               | inline_connector |
| ML1:4     |             | {ZC 2 D}               | inline_connector |
| ML1:5     |             | {GE 5 B}               | inline_connector |

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|-----------|------------------------------|------------------------|------------------|
| ML1:6     |                              | {ZC 2 D}               | inline_connector |
| ML1:7     |                              | {GE 5 B}               | inline_connector |
| ML2:1     |                              | {GB 1 A}               | inline_connector |
| ML2:2     |                              | {ZC 2 D}               | inline_connector |
| ML2:3     |                              | {GE 3 B}               | inline_connector |
| ML2:4     |                              | {ZC 2 D}               | inline_connector |
| ML2:5     |                              | {GE 3 B}               | inline_connector |
| ML2:6     |                              | {ZC 2 D}               | inline_connector |
| ML2:7     |                              | {GE 3 B}               | inline_connector |
| ML3:1     |                              | {BB 2 C}               | inline_connector |
| ML3:2     |                              | {BB 3 D}               | inline_connector |
| ML3:3     |                              | {GA 1 B}               | inline_connector |
| ML3:4     |                              | {GA 1 B}               | inline_connector |
| ML3:5     |                              | {GA 0 B}               | inline_connector |
| ML3:6     |                              | {GA 3 C}               | inline_connector |
| ML3:7     |                              | {GA 1 B}               | inline_connector |
| ML4:1     |                              | {BB 2 C}               | inline_connector |
| ML4:2     |                              | {BB 3 D}               | inline_connector |
| ML4:3     |                              | {GA 1 B}               | inline_connector |
| ML4:4     |                              | {GA 1 B}               | inline_connector |
| ML4:5     |                              | {GA 2 B}               | inline_connector |
| ML4:6     |                              | {GA 3 C}               | inline_connector |
| ML4:7     |                              | {GA 1 B}               | inline_connector |
| NX903     |                              | {AB2 5 C}              | componentSymbol  |
| NX904     |                              | {AB2 2 C}              | componentSymbol  |
| OBD       |                              | {NA2 1 C}<br>{NA2 4 C} | componentSymbol  |
| R01       | Heater, engine preheat       | {CS 5 A}               | componentSymbol  |
| R02       | Heater, rear view mirror     | {GB 5 B}               | componentSymbol  |
| R08       | Termination resistor,CAN-bus | {XC 4 D}               | componentSymbol  |
| R904      | Resistor_DBUS                | {XE 1 B}               | componentSymbol  |
| R905      | Heated_Hose_Suction_Line     | {CU 4 B}               | componentSymbol  |
| R905_US   | suction_line                 | {CX 3 A}               | componentSymbol  |
| R905A:1   |                              | {CU 4 B}               | inline_connector |
| R905A:2   |                              | {CU 4 B}               | inline_connector |
| R905B:1   |                              | {CU 4 B}               | inline_connector |
| R905B:2   |                              | {CU 4 B}               | inline_connector |
| R905C:1   |                              | {CU 4 B}               | inline_connector |
| R905C:2   |                              | {CU 4 B}               | inline_connector |
| R906      | Heated_Hose_Pressure_Line    | {CU 3 B}               | componentSymbol  |
| R906_US   | Pressure_line                | {CX 3 A}               | componentSymbol  |

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|-----------|------------------------------|----------|------------------|
| R906A:1   |                              | {CU 3 B} | inline_connector |
| R906A:2   |                              | {CU 3 B} | inline_connector |
| R906B:1   |                              | {CU 3 B} | inline_connector |
| R906B:2   |                              | {CU 3 B} | inline_connector |
| R906C:1   |                              | {CU 3 B} | inline_connector |
| R906C:2   |                              | {CU 3 B} | inline_connector |
| R907      | 1939-7 resistor              | {XF 0 B} | componentSymbol  |
| R908      | Heated_Hose_Backflow_to_tank | {CU 2 B} | componentSymbol  |
| R908A:1   |                              | {CU 2 B} | inline_connector |
| R908A:2   |                              | {CU 2 B} | inline_connector |
| R908B:1   |                              | {CU 2 B} | inline_connector |
| R908B:2   |                              | {CU 2 B} | inline_connector |
| R908C:1   |                              | {CU 2 B} | inline_connector |
| R908C:2   |                              | {CU 2 B} | inline_connector |
| R909      | Heated_Filter                | {CU 5 B} | componentSymbol  |
| R910      | Heated_Hose_Backflow_to_pump | {CU 3 B} | componentSymbol  |
| R910A:1   |                              | {CU 3 B} | inline_connector |
| R910A:2   |                              | {CU 3 B} | inline_connector |
| R910B:1   |                              | {CU 3 B} | inline_connector |
| R910B:2   |                              | {CU 3 B} | inline_connector |
| R910C:1   |                              | {CU 3 B} | inline_connector |
| R910C:2   |                              | {CU 3 B} | inline_connector |
| R918      |                              | {XG 0 B} | componentSymbol  |
| RA1:1     |                              | {NB 4 B} | inline_connector |
| RA1:2     |                              | {NB 4 B} | inline_connector |
| RA1:3     |                              | {NB 4 B} | inline_connector |
| RA1:4     |                              | {NB 4 B} | inline_connector |
| RA1:5     |                              | {NA 3 C} | inline_connector |
| RA1:6     |                              | {AF 2 C} | inline_connector |
| RA1:7     |                              | {AF 1 C} | inline_connector |
| RA1:10    |                              | {NA 4 C} | inline_connector |
| RA1:11    |                              | {AB 4 D} | inline_connector |
| RL1A      | Rear light, R                | {GA 2 B} | componentSymbol  |
| RL2A      | Rear light, L                | {GA 5 B} | componentSymbol  |
| RL3:1     |                              | {GA 2 B} | inline_connector |
| RL3:2     |                              | {GA 1 B} | inline_connector |
| RL3:3     |                              | {GA 4 B} | inline_connector |
| RL3:4     |                              | {GA 3 B} | inline_connector |
| RL3:5     |                              | {GA 3 C} | inline_connector |
| RL3:6     |                              | {GA 4 B} | inline_connector |
| RL3:7     |                              | {GA 3 B} | inline_connector |
| RL3:8     |                              | {BC 2 C} | inline_connector |

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|-----------|-------------------------------------------------------------------------|----------------------|------------------|
| RL3:10    |                                                                         | {GA 4 B}             | inline_connector |
| RL3:11    |                                                                         | {GA 3 C}             | inline_connector |
| RL3:12    |                                                                         | {ZC 2 D}             | inline_connector |
| RL4:1     |                                                                         | {GA 4 B}             | inline_connector |
| RL4:2     |                                                                         | {GA 3 B}             | inline_connector |
| RL4:3     |                                                                         | {GA 1 B}             | inline_connector |
| RL4:4     |                                                                         | {GA 0 B}             | inline_connector |
| RL4:5     |                                                                         | {GA 4 B}             | inline_connector |
| RL4:7     |                                                                         | {GA 3 B}             | inline_connector |
| RL:1      |                                                                         | {GB 5 C}             | inline_connector |
| RL:3      |                                                                         | {GB 4 B}             | inline_connector |
| RL_DA:1   |                                                                         | {GB 5 B}             | inline_connector |
| RL_DB:1   |                                                                         | {GB 5 C}             | inline_connector |
| S01       | Switch,main lighting,selector type                                      | {GB 4 C}             | componentSymbol  |
| S02       | Stalk switch LHS                                                        | {BA 3 D}<br>{GB 2 D} | componentSymbol  |
| S06       | Stalk switch , windscreen wiper, selector type                          | {NA 2 B}<br>{GM 1 D} | componentSymbol  |
| S08       | Switch,differential gear lock,rear wheels                               | {EO 3 C}             | componentSymbol  |
| S11       | switch bogie lift                                                       | {FA 3 B}             | componentSymbol  |
| S12       | Main switch                                                             | {AA 4 C}             | componentSymbol  |
| S14A      | Switch, push button, Air horn                                           | {IS 3 A}             | componentSymbol  |
| S14B      | Switch, push button, Air horn                                           | {IS 2 A}             | componentSymbol  |
| S15A      | Switch,Starter Key                                                      | {AA 3 D}             | componentSymbol  |
| S15B      | Switch,Starter Feed                                                     | {AA 4 B}             | componentSymbol  |
| S16       | Switch, push button, El. horn                                           | {IS 2 A}             | componentSymbol  |
| S24       | stalk_switch_retarder                                                   | {BA 1 D}             | componentSymbol  |
| S31       | Switch, TCS ( Traction Control System )                                 | {EP 1 B}             | componentSymbol  |
| S32       | Brake hold                                                              | {EP 0 C}             | componentSymbol  |
| S34       | Switch unit, steering wheel push buttons                                | {IU 2 D}             | componentSymbol  |
| S40       | Switch, battery main switch                                             | {AA 5 C}             | componentSymbol  |
| S41       | Switch, battery main switch control                                     | {AB2 4 B}            | componentSymbol  |
| S45       | Position switch,differential gear lock indicator, rear wheels,NC.or NO. | {EP 1 C}             | componentSymbol  |
| S50       | Switch, pressure parking brake indicator, NO                            | {BA 3 B}             | componentSymbol  |
| S58       | clutch_switch                                                           | {BA 2 C}             | componentSymbol  |
| S68       | Sensor coolant level                                                    | {CS 4 D}             | componentSymbol  |
| S68_13    | Sensor Coolant level                                                    | {CS 4 D}             | componentSymbol  |
| S70       | Switch Hydr.oil ,Flow sensor                                            | {BB 0 B}             | componentSymbol  |
| S77       | Assistantnce call                                                       | {NC 3 C}             | componentSymbol  |
| S901      | eng_stop_rear                                                           | {AA 1 B}             | componentSymbol  |
| S902      | switch leveling                                                         | {FA 1 B}             | componentSymbol  |

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|------------|--------------------------|----------|------------------|
| S904       | Switch,emergency cut-out | {AA 4 D} | componentSymbol  |
| S905       | Switch,Retarder          | {BA 1 A} | componentSymbol  |
| S907       | eng_start_rear           | {AA 2 B} | componentSymbol  |
| S908       | eng_start_enalble_rear   | {AA 1 B} | componentSymbol  |
| S915       | Switch,kneeling          | {FA 3 C} | componentSymbol  |
| S925       | Switch, Alcolock         | {ND 3 C} | componentSymbol  |
| S_T_S:1    |                          | {NB 3 B} | inline_connector |
| S_T_S:2    |                          | {NB 3 B} | inline_connector |
| S_T_S:3    |                          | {NB 3 B} | inline_connector |
| S_T_T:3    |                          | {NB 3 B} | inline_connector |
| sym211_54  |                          | {BC 1 C} | componentSymbol  |
| sym211_67  |                          | {BA 5 B} | componentSymbol  |
| sym212_54  |                          | {BC 1 C} | componentSymbol  |
| sym213_54  |                          | {BC 1 C} | componentSymbol  |
| sym214_67  |                          | {BA 4 A} | componentSymbol  |
| sym215_67  |                          | {BA 4 B} | componentSymbol  |
| sym216_54  |                          | {BC 1 C} | componentSymbol  |
| sym217_54  |                          | {BC 1 C} | componentSymbol  |
| sym218_54  |                          | {BC 1 C} | componentSymbol  |
| sym219_54  |                          | {BC 1 C} | componentSymbol  |
| sym220_54  |                          | {BC 1 C} | componentSymbol  |
| sym246_54  |                          | {BC 2 C} | componentSymbol  |
| sym249_54  |                          | {BB 2 B} | componentSymbol  |
| sym255_79  |                          | {GB 2 C} | componentSymbol  |
| sym256_79  |                          | {GB 2 C} | componentSymbol  |
| sym257_67  |                          | {BA 4 B} | componentSymbol  |
| sym257_79  |                          | {GB 2 C} | componentSymbol  |
| sym257_80  |                          | {GB 1 C} | componentSymbol  |
| sym258_105 |                          | {BC 5 C} | componentSymbol  |
| sym266_154 |                          | {FB 3 D} | componentSymbol  |
| sym266_155 |                          | {CL 4 C} | componentSymbol  |
| sym267_155 |                          | {CL 4 C} | componentSymbol  |
| sym269_82  |                          | {BB 3 D} | componentSymbol  |
| sym269_88  |                          | {BA 4 A} | componentSymbol  |
| sym269_227 |                          | {BC 5 C} | componentSymbol  |
| sym270_82  |                          | {NB 3 D} | componentSymbol  |
| sym273_82  |                          | {BB 3 D} | componentSymbol  |
| sym274_82  |                          | {EP 2 D} | componentSymbol  |
| sym274_893 |                          | {GN 4 C} | componentSymbol  |
| sym275_67  |                          | {NA 3 A} | componentSymbol  |
| sym276_67  |                          | {NA 3 A} | componentSymbol  |
| sym277_67  |                          | {NA 2 A} | componentSymbol  |

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|-------------|-------------|----------|-----------------|
| sym277_82   |             | {AA 5 B} | componentSymbol |
| sym278_67   |             | {NA 2 A} | componentSymbol |
| sym278_893  |             | {GN 5 C} | componentSymbol |
| sym279_67   |             | {NA 2 A} | componentSymbol |
| sym280_67   |             | {NA 2 A} | componentSymbol |
| sym281_67   |             | {NA 2 A} | componentSymbol |
| sym286_1494 |             | {FB 3 D} | componentSymbol |
| sym295_97   |             | {FA 4 D} | componentSymbol |
| sym306_113  |             | {GB 0 C} | componentSymbol |
| sym309_100  |             | {BC 1 C} | componentSymbol |
| sym310_14   |             | {BB 3 D} | componentSymbol |
| sym311_14   |             | {BB 3 D} | componentSymbol |
| sym311_112  |             | {AA 5 D} | componentSymbol |
| sym312_14   |             | {BB 2 C} | componentSymbol |
| sym312_97   |             | {NA 3 B} | componentSymbol |
| sym313_14   |             | {BB 2 C} | componentSymbol |
| sym313_97   |             | {NA 3 B} | componentSymbol |
| sym315_94   |             | {BC 2 C} | componentSymbol |
| sym316_100  |             | {BB 1 D} | componentSymbol |
| sym316_103  |             | {IS 3 B} | componentSymbol |
| sym317_97   |             | {NA 2 A} | componentSymbol |
| sym317_103  |             | {IS 2 B} | componentSymbol |
| sym318_100  |             | {IU 3 A} | componentSymbol |
| sym318_103  |             | {IS 3 D} | componentSymbol |
| sym319_100  |             | {IU 4 A} | componentSymbol |
| sym320_14   |             | {AB 4 C} | componentSymbol |
| sym320_100  |             | {IU 4 C} | componentSymbol |
| sym320_103  |             | {IU 4 A} | componentSymbol |
| sym321_14   |             | {GA 3 C} | componentSymbol |
| sym321_100  |             | {IU 3 C} | componentSymbol |
| sym321_103  |             | {IU 3 A} | componentSymbol |
| sym322_14   |             | {GA 3 C} | componentSymbol |
| sym322_100  |             | {IU 5 C} | componentSymbol |
| sym322_103  |             | {IU 3 C} | componentSymbol |
| sym323_14   |             | {GA 3 C} | componentSymbol |
| sym324_14   |             | {GA 3 C} | componentSymbol |
| sym324_103  |             | {IU 4 C} | componentSymbol |
| sym325_14   |             | {GA 4 A} | componentSymbol |
| sym326_14   |             | {GA 3 B} | componentSymbol |
| sym326_103  |             | {IU 5 C} | componentSymbol |
| sym327_14   |             | {GA 4 A} | componentSymbol |
| sym328_14   |             | {GA 3 B} | componentSymbol |

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| sym329_14   |             | {AB 4 C}  | componentSymbol |
| sym334_14   |             | {AB2 5 D} | componentSymbol |
| sym335_14   |             | {AB2 3 D} | componentSymbol |
| sym344_163  |             | {XD 3 C}  | componentSymbol |
| sym345_163  |             | {XD 3 C}  | componentSymbol |
| sym352_3901 |             | {AB3 2 C} | componentSymbol |
| sym361_3944 |             | {AB2 4 A} | componentSymbol |
| sym362_3944 |             | {AB2 3 B} | componentSymbol |
| sym363_3944 |             | {AB2 3 B} | componentSymbol |
| sym366_553  |             | {AF 5 D}  | componentSymbol |
| sym367_3901 |             | {AB3 2 E} | componentSymbol |
| sym369_3944 |             | {AB 5 D}  | componentSymbol |
| sym370_3944 |             | {AB 5 D}  | componentSymbol |
| sym372_3944 |             | {AB 4 D}  | componentSymbol |
| sym373_3944 |             | {AB 4 B}  | componentSymbol |
| sym374_3944 |             | {AB 4 B}  | componentSymbol |
| sym375_3944 |             | {AB 4 B}  | componentSymbol |
| sym376_3944 |             | {AB 4 B}  | componentSymbol |
| sym377_3944 |             | {AB 1 C}  | componentSymbol |
| sym378_3944 |             | {AB 1 C}  | componentSymbol |
| sym379_3944 |             | {AB 1 C}  | componentSymbol |
| sym380_3944 |             | {AB 1 C}  | componentSymbol |
| sym387_3944 |             | {AB 1 C}  | componentSymbol |
| sym388_3944 |             | {AB 1 C}  | componentSymbol |
| sym389_3944 |             | {AB 2 C}  | componentSymbol |
| sym390_3944 |             | {AB 2 C}  | componentSymbol |
| sym391_3944 |             | {AB 1 C}  | componentSymbol |
| sym392_3944 |             | {AB 1 C}  | componentSymbol |
| sym393_3944 |             | {AB 1 C}  | componentSymbol |
| sym394_3944 |             | {AB 1 C}  | componentSymbol |
| sym395_3944 |             | {AB 1 C}  | componentSymbol |
| sym396_3944 |             | {AB 0 C}  | componentSymbol |
| sym397_3944 |             | {AB2 4 D} | componentSymbol |
| sym398_3944 |             | {AB2 4 D} | componentSymbol |
| sym399_3944 |             | {AB2 4 D} | componentSymbol |
| sym400_3944 |             | {AB2 3 D} | componentSymbol |
| sym401_3944 |             | {AB2 3 D} | componentSymbol |
| sym404_3944 |             | {AB2 1 D} | componentSymbol |
| sym412_3944 |             | {AB2 1 D} | componentSymbol |
| sym413_3944 |             | {AB2 1 D} | componentSymbol |
| sym414_10   |             | {CL 2 A}  | componentSymbol |
| sym414_3944 |             | {AB2 1 D} | componentSymbol |

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| sym415_10   |                                     | {CL 3 A}  | componentSymbol  |
| sym415_3944 |                                     | {AB2 0 D} | componentSymbol  |
| sym416_3944 |                                     | {AB2 0 D} | componentSymbol  |
| sym417_3944 |                                     | {AB2 0 D} | componentSymbol  |
| sym418_3944 |                                     | {AB2 0 D} | componentSymbol  |
| sym419_3944 |                                     | {AB2 0 B} | componentSymbol  |
| sym420_3944 |                                     | {AB2 1 B} | componentSymbol  |
| sym421_3944 |                                     | {AB2 1 B} | componentSymbol  |
| sym422_3944 |                                     | {AB2 1 B} | componentSymbol  |
| sym423_3944 |                                     | {AB2 3 D} | componentSymbol  |
| sym424_3944 |                                     | {AB2 3 D} | componentSymbol  |
| sym425_3944 |                                     | {AB2 2 D} | componentSymbol  |
| sym426_3944 |                                     | {AB2 2 D} | componentSymbol  |
| sym427_3944 |                                     | {AB2 2 D} | componentSymbol  |
| sym428_3944 |                                     | {AB2 1 D} | componentSymbol  |
| sym429_3944 |                                     | {BC 2 C}  | componentSymbol  |
| sym430_3944 |                                     | {GB 1 C}  | componentSymbol  |
| sym431_3944 |                                     | {GB 1 C}  | componentSymbol  |
| sym432_3944 |                                     | {GB 4 A}  | componentSymbol  |
| sym434_3944 |                                     | {GB 4 A}  | componentSymbol  |
| sym435_3944 |                                     | {GB 1 A}  | componentSymbol  |
| sym436_3944 |                                     | {GB 1 A}  | componentSymbol  |
| sym534_114  |                                     | {CL 2 B}  | componentSymbol  |
| T900        |                                     | {AC 3 B}  | componentSymbol  |
| U03         | Modulator,EBS,rear axle(drive axle) | {EO 2 C}  | componentSymbol  |
| U04         | Modulator EBS, bogie                | {EP 4 B}  | componentSymbol  |
| U06         | Voltage converter                   | {IU 4 C}  | componentSymbol  |
| U08         | Modulator,EBS,front                 | {EO 3 C}  | componentSymbol  |
| U12         | Voltage converter, Bi-xenon         | {GE 4 C}  | componentSymbol  |
| U25         | Voltage converter, DC/DC            | {AC 2 C}  | componentSymbol  |
| UDS12:1     |                                     | {XF 2 B}  | inline_connector |
| UDS12:2     |                                     | {XF 2 B}  | inline_connector |
| UDS12:3     |                                     | {CU 3 C}  | inline_connector |
| UDS12:4     |                                     | {CU 3 C}  | inline_connector |
| UDS12:5     |                                     | {XD 3 B}  | inline_connector |
| UDS12:6     |                                     | {XD 3 B}  | inline_connector |
| UDS12:7     |                                     | {CU 4 C}  | inline_connector |
| UDS12:8     |                                     | {CU 3 C}  | inline_connector |
| UDS12:9     |                                     | {CU 2 C}  | inline_connector |
| UDS12:11    |                                     | {CU 5 C}  | inline_connector |
| UDS12:12    |                                     | {CU 0 B}  | inline_connector |
| UDS12_B:1   |                                     | {XF 3 B}  | inline_connector |

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| UDS12_B:2  |                     | {XF 3 B}             | inline_connector |
| UDS12_B:3  |                     | {CU 3 C}             | inline_connector |
| UDS12_B:4  |                     | {CU 3 C}             | inline_connector |
| UDS12_B:5  |                     | {XD 3 B}             | inline_connector |
| UDS12_B:6  |                     | {XD 3 B}             | inline_connector |
| UDS12_B:7  |                     | {CU 4 D}             | inline_connector |
| UDS12_B:8  |                     | {CU 2 D}             | inline_connector |
| UDS12_B:9  |                     | {CU 2 D}             | inline_connector |
| UDS12_B:11 |                     | {CU 4 D}             | inline_connector |
| UDS12_B:12 |                     | {CU 0 B}             | inline_connector |
| UDS12_F:1  |                     | {XF 2 B}             | inline_connector |
| UDS12_F:2  |                     | {XF 2 B}             | inline_connector |
| UDS12_F:3  |                     | {CU 4 C}             | inline_connector |
| UDS12_F:4  |                     | {CU 4 C}             | inline_connector |
| UDS12_F:5  |                     | {XD 2 B}             | inline_connector |
| UDS12_F:6  |                     | {XD 2 B}             | inline_connector |
| UDS12_F:7  |                     | {CU 4 D}             | inline_connector |
| UDS12_F:8  |                     | {CU 3 D}             | inline_connector |
| UDS12_F:9  |                     | {CU 2 D}             | inline_connector |
| UDS12_F:11 |                     | {CU 5 D}             | inline_connector |
| UDS12_F:12 |                     | {CU 0 B}             | inline_connector |
| UDS12_M:1  |                     | {XF 2 B}             | inline_connector |
| UDS12_M:2  |                     | {XF 2 B}             | inline_connector |
| UDS12_M:3  |                     | {CU 3 C}             | inline_connector |
| UDS12_M:4  |                     | {CU 3 C}             | inline_connector |
| UDS12_M:5  |                     | {XD 3 B}             | inline_connector |
| UDS12_M:6  |                     | {XD 3 B}             | inline_connector |
| UDS12_M:7  |                     | {CU 4 D}             | inline_connector |
| UDS12_M:8  |                     | {CU 3 D}             | inline_connector |
| UDS12_M:9  |                     | {CU 2 D}             | inline_connector |
| UDS12_M:11 |                     | {CU 5 D}             | inline_connector |
| UDS12_M:12 |                     | {CU 0 B}             | inline_connector |
| V03        | Diod, Light         | {GE 4 B}             | componentSymbol  |
| V04        | Diod, Light         | {GE 4 B}             | componentSymbol  |
| VBC159     | Main switch I-start | {AC 3 C}             | componentSymbol  |
| VIC:1      |                     | {XC 3 A}             | inline_connector |
| VIC:2      |                     | {XD 5 B}<br>{CS 1 B} | inline_connector |
| VIC:3      |                     | {CS 4 B}<br>{CS 5 C} | inline_connector |
| VIC:4      |                     | {XC 3 A}             | inline_connector |

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| VIC:5     |                                            | {XD 5 B}<br>{CS 1 B}  | inline_connector |
| VIC:6     |                                            | {CS 3 B}<br>{CS 5 C}  | inline_connector |
| VIC:7     |                                            | {CS 4 B}              | inline_connector |
| VIC:8     |                                            | {CS 4 C}              | inline_connector |
| VIC:9     |                                            | {AF 2 B}              | inline_connector |
| VIC:10    |                                            | {AF 1 C}              | inline_connector |
| VIC:12    |                                            | {AF 1 A}              | inline_connector |
| VIC:13    |                                            | {CS 5 C}              | inline_connector |
| VIC:14    |                                            | {BB 4 C}              | inline_connector |
| VIC:15    |                                            | {CS 5 C}              | inline_connector |
| VIC:16    |                                            | {BB 4 B}              | inline_connector |
| VIC:17    |                                            | {AF 1 B}              | inline_connector |
| VIC:18    |                                            | {CS 3 C}              | inline_connector |
| VIC:20    |                                            | {CS 1 C}              | inline_connector |
| VIC:21    |                                            | {CS 2 C}              | inline_connector |
| VIC:22    |                                            | {CS 2 C}              | inline_connector |
| VIC:24    |                                            | {CS 2 B}              | inline_connector |
| VIC:25    |                                            | {CS 4 C}              | inline_connector |
| VIC:26    |                                            | {CS 2 C}              | inline_connector |
| VIC:27    |                                            | {CS 0 C}              | inline_connector |
| VIC:28    |                                            | {CS 4 C}              | inline_connector |
| VIC:29    |                                            | {CS 2 B}              | inline_connector |
| VIC:30    |                                            | {CS 4 B}              | inline_connector |
| VIC:31    |                                            | {CS 0 C}              | inline_connector |
| VIC:32    |                                            | {CS 1 C}              | inline_connector |
| VIC:33    |                                            | {CS 1 C}              | inline_connector |
| VIC:34    |                                            | {CS 2 C}              | inline_connector |
| VIC:35    |                                            | {AF 3 B}              | inline_connector |
| VIC:36    |                                            | {CS 2 C}              | inline_connector |
| VIC:37    |                                            | {CS 3 C}              | inline_connector |
| VIC:39    |                                            | {CS 0 C}              | inline_connector |
| X09       | Slip contact/Horne                         | {IS 2 B}              | componentSymbol  |
| X901      | Connector Battery +                        | {AB 1 A}<br>{AB2 1 A} | componentSymbol  |
| X903      | VPDU Front with main relay and main switch | {AB 5 C}              | componentSymbol  |
| X904      | VPDU Rear with preheat relay               | {AB 2 C}              | componentSymbol  |
| X906      | EXTERNAL CHARGER OUTLET                    | {AB 5 B}              | componentSymbol  |
| X910      |                                            | {AB2 4 B}             | componentSymbol  |
| XC901:1   |                                            | {NA2 0<br>C}          | inline_connector |
| XC901:2   |                                            | {NA2 1}               | inline_connector |

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| XC901:3                                                                                                             |                 | {XG 2 B}                 | inline_connector |
| XC901:4                                                                                                             |                 | {XG 2 A}                 | inline_connector |
| XC902:1                                                                                                             | Fog lamps,front | {GE 1 B}                 | inline_connector |
| XC906:1                                                                                                             |                 | {AB 5 D}                 | inline_connector |
| XC906:2                                                                                                             |                 | {AB 5 D}                 | inline_connector |
| XC906:3                                                                                                             |                 | {AB 5 D}                 | inline_connector |
| XC906:4                                                                                                             |                 | {AB 4 D}                 | inline_connector |
| XC906:5                                                                                                             |                 | {AB 4 C}                 | inline_connector |
| XC906:6                                                                                                             |                 | {AB 4 C}                 | inline_connector |
| XC906A:1                                                                                                            |                 | {AB2 4 D}                | inline_connector |
| XC906A:2                                                                                                            |                 | {AB2 4 D}                | inline_connector |
| XC906A:3                                                                                                            |                 | {AB2 4 D}                | inline_connector |
| XC906A:4                                                                                                            |                 | {AB2 4 D}                | inline_connector |
| XC906A:5                                                                                                            |                 | {AB2 5 D}                | inline_connector |
| XC906A:6                                                                                                            |                 | {AB2 3 D}                | inline_connector |
| XC906A:7                                                                                                            |                 | {AB2 3 D}                | inline_connector |
| XC908:4                                                                                                             |                 | {BA 4 A}                 | inline_connector |
| XC917:1                                                                                                             |                 | {CL 3 B}                 | inline_connector |
| XC917:2                                                                                                             |                 | {CL 4 B}                 | inline_connector |
| XC917:3                                                                                                             |                 | {CL 4 B}                 | inline_connector |
| XC917:4                                                                                                             |                 | {CL 3 B}                 | inline_connector |
| XC921:1                                                                                                             |                 | {CL 3 B}                 | inline_connector |
| XC921:2                                                                                                             |                 | {CL 3 B}                 | inline_connector |
| XC921:3                                                                                                             |                 | {CL 3 B}                 | inline_connector |
| XC922:1                                                                                                             |                 | {GB 1 C}                 | inline_connector |
| XC922:3                                                                                                             |                 | {GB 1 C}                 | inline_connector |
| XC925:1                                                                                                             |                 | {NE 3 B}                 | inline_connector |
| XC925:2                                                                                                             |                 | {NE 3 B}                 | inline_connector |
| XC926:1                                                                                                             |                 | {BB 3 B}                 | inline_connector |
| XC926:2                                                                                                             |                 | {BB 3 B}                 | inline_connector |
| XC926:3                                                                                                             |                 | {BB 3 B}                 | inline_connector |
| XC926:4                                                                                                             |                 | {BB 3 B}                 | inline_connector |
| XC927_1/2:1                                                                                                         |                 | {GE 2 B}<br>{GE 5 C}     | inline_connector |
| XC927_1/2:2                                                                                                         |                 | {GE 1 B}<br>{GE 3 C}     | inline_connector |
| XC927_1:1                                                                                                           |                 | {GE 5 C}                 | inline_connector |
| XC927_1:2                                                                                                           |                 | {GE 3 C}                 | inline_connector |
| XC927_2:1                                                                                                           |                 | {GE 2 B}<br>{GE 5 C}     | inline_connector |
| XC927_2:2                                                                                                           |                 | {GE 1 B}<br>{GE 3 C}     | inline_connector |
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| XC941:1   |                | {ND 3 D} | inline_connector          |
| XC941:3   |                | {ND 2 D} | inline_connector          |
| XC943:1   |                | {XE 3 C} | inline_connector          |
| XC943:2   |                | {XE 3 C} | inline_connector          |
| XCS102    |                | {XE 3 C} | physical_splice_connector |
| XP004R.1  | Alternator G03 | {AF 2 B} | componentSymbol           |
| XSA01     |                | {XC 2 D} | physical_splice_connector |
| XSA02     |                | {XC 2 D} | physical_splice_connector |
| XSA03     |                | {XC 2 D} | physical_splice_connector |
| XSA04     |                | {XC 2 D} | physical_splice_connector |
| XSA05     |                | {XC 1 D} | physical_splice_connector |
| XSA06     |                | {XC 1 D} | physical_splice_connector |
| XSA07     |                | {XC 1 D} | physical_splice_connector |
| XSA08     |                | {XC 1 D} | physical_splice_connector |
| XSA09     |                | {XC 0 D} | physical_splice_connector |
| XSA10     |                | {XC 0 D} | physical_splice_connector |
| XSA11     |                | {XC 0 B} | physical_splice_connector |
| XSA12     |                | {XC 0 B} | physical_splice_connector |
| XSA13     |                | {XD 2 D} | physical_splice_connector |
| XSA14     |                | {XD 2 D} | physical_splice_connector |
| XSA15     |                | {XD 1 D} | physical_splice_connector |
| XSA16     |                | {XD 2 D} | physical_splice_connector |
| XSA17     |                | {XD 1 D} | physical_splice_connector |
| XSA18     |                | {XD 1 D} | physical_splice_connector |
| XSA19     |                | {XD 1 D} | physical_splice_connector |
| XSA20     |                | {XD 1 D} | physical_splice_connector |
| XSA21     |                | {XD 0 D} | physical_splice_connector |
| XSA22     |                | {XD 0 D} | physical_splice_connector |
| XSA23     |                | {XD 1 C} | physical_splice_connector |
| XSA24     |                | {XD 1 C} | physical_splice_connector |
| XSA25     |                | {ZC 4 A} | physical_splice_connector |
| XSA26     |                | {AA 5 A} | physical_splice_connector |
| XSA27     |                | {FA 4 C} | physical_splice_connector |
| XSA28     |                | {AA 2 B} | physical_splice_connector |
| XSA31     |                | {ZC 4 B} | physical_splice_connector |
| XSA32     |                | {BA 4 B} | physical_splice_connector |
| XSA34     |                | {AA 3 D} | physical_splice_connector |
| XSA35     |                | {ZC 1 B} | physical_splice_connector |
| XSA37     |                | {FB 1 D} | physical_splice_connector |
| XSA40     |                | {FB 2 D} | physical_splice_connector |
| XSA43     |                | {ZC 2 B} | physical_splice_connector |

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| XSA44     |             | {AF 4 C} | physical_splice_connector |
| XSA46     |             | {BB 2 B} | physical_splice_connector |
| XSA50     |             | {BA 5 C} | physical_splice_connector |
| XSA52     |             | {ZC 2 B} | physical_splice_connector |
| XSA53     |             | {GM 2 C} | physical_splice_connector |
| XSA54     |             | {DN 4 D} | physical_splice_connector |
| XSA59     |             | {BA 5 B} | physical_splice_connector |
| XSA60     |             | {NA 3 B} | physical_splice_connector |
| XSA61     |             | {BA 4 C} | physical_splice_connector |
| XSA62     |             | {XD 2 D} | physical_splice_connector |
| XSA63     |             | {XC 3 D} | physical_splice_connector |
| XSA64     |             | {XC 3 D} | physical_splice_connector |
| XSA65     |             | {XD 2 D} | physical_splice_connector |
| XSA68     |             | {XE 5 B} | physical_splice_connector |
| XSA69     |             | {XE 5 B} | physical_splice_connector |
| XSA72     |             | {AB 5 C} | physical_splice_connector |
| XSA73     |             | {AB 4 C} | physical_splice_connector |
| XSB01     |             | {XC 5 D} | physical_splice_connector |
| XSB02     |             | {XC 5 D} | physical_splice_connector |
| XSB03     |             | {XD 3 D} | physical_splice_connector |
| XSB04     |             | {XD 3 D} | physical_splice_connector |
| XSB05     |             | {XD 4 D} | physical_splice_connector |
| XSB06     |             | {XD 4 D} | physical_splice_connector |
| XSB07     |             | {XJ 1 B} | physical_splice_connector |
| XSB08     |             | {XJ 1 B} | physical_splice_connector |
| XSB09     |             | {ZC 4 B} | physical_splice_connector |
| XSB10     |             | {ZC 5 D} | physical_splice_connector |
| XSB11     |             | {ZC 5 C} | physical_splice_connector |
| XSB12     |             | {GM 3 C} | physical_splice_connector |
| XSB13     |             | {GB 1 D} | physical_splice_connector |
| XSB15     |             | {GB 1 C} | physical_splice_connector |
| XSB18     |             | {IU 4 C} | physical_splice_connector |
| XSB19     |             | {IU 4 C} | physical_splice_connector |
| XSB20     |             | {FA 1 C} | physical_splice_connector |
| XSB21     |             | {IU 4 C} | physical_splice_connector |
| XSB22     |             | {NC 3 C} | physical_splice_connector |
| XSB23     |             | {NC 4 C} | physical_splice_connector |
| XSB24     |             | {NC 5 B} | physical_splice_connector |
| XSB25     |             | {AA 4 B} | physical_splice_connector |
| XSB26     |             | {NC 3 B} | physical_splice_connector |
| XSB28     |             | {XF 0 C} | physical_splice_connector |
| XSB29     |             | {XF 0 C} | physical_splice_connector |

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| XSB30     |             | {IU 4 C}             | physical_splice_connector |
| XSB31     |             | {IU 4 C}             | physical_splice_connector |
| XSB32     |             | {XC 4 D}             | physical_splice_connector |
| XSB33     |             | {XC 4 D}             | physical_splice_connector |
| XSB34     |             | {NA 1 C}             | physical_splice_connector |
| XSB36     |             | {NA 4 B}             | physical_splice_connector |
| XSB37     |             | {ND 3 C}             | physical_splice_connector |
| XSB38     |             | {XE 3 C}             | physical_splice_connector |
| XSB39     |             | {XE 4 D}             | physical_splice_connector |
| XSB40     |             | {NA 1 C}             | physical_splice_connector |
| XSB43     |             | {XG 1 B}             | physical_splice_connector |
| XSB44     |             | {XG 1 A}             | physical_splice_connector |
| XSB45     |             | {XJ 3 C}             | physical_splice_connector |
| XSB46     |             | {XJ 3 C}             | physical_splice_connector |
| XSB47     |             | {XJ 1 C}             | physical_splice_connector |
| XSB48     |             | {XJ 1 C}             | physical_splice_connector |
| XSB49     |             | {XC 5 D}             | physical_splice_connector |
| XSB50     |             | {XC 5 D}             | physical_splice_connector |
| XSC02     |             | {GE 3 B}             | physical_splice_connector |
| XSC04     |             | {GE 5 B}             | physical_splice_connector |
| XSC05     |             | {GE 4 B}             | physical_splice_connector |
| XSC06     |             | {GE 3 B}             | physical_splice_connector |
| XSC07     |             | {ZC 3 C}             | physical_splice_connector |
| XSC15     |             | {ZC 3 D}<br>{GE 0 A} | physical_splice_connector |
| XSC16     |             | {GB 5 C}             | physical_splice_connector |
| XSC17     |             | {ZC 2 C}             | physical_splice_connector |
| XSC20     |             | {GE 2 C}             | physical_splice_connector |
| XSC21     |             | {DN 4 B}             | physical_splice_connector |
| XSC95     |             | {XE 1 D}             | physical_splice_connector |
| XSC96     |             | {XE 1 C}             | physical_splice_connector |
| XSC97     |             | {XE 2 C}             | physical_splice_connector |
| XSC98     |             | {XE 2 D}             | physical_splice_connector |
| XSC99     |             | {CL 3 C}             | physical_splice_connector |
| XSC101    |             | {XE 3 D}             | physical_splice_connector |
| XSD01     |             | {AB2 4 D}            | physical_splice_connector |
| XSF01     |             | {GA 4 B}             | physical_splice_connector |
| XSF09     |             | {GA 1 B}             | physical_splice_connector |
| XSF10     |             | {GA 1 B}             | physical_splice_connector |
| XSF11     |             | {GA 3 B}             | physical_splice_connector |
| XSF12     |             | {GA 3 C}             | physical_splice_connector |
| XSF13     |             | {GA 4 B}             | physical_splice_connector |

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| XSF15     |             | {CX 3 C}             | physical_splice_connector |
| XSF17     |             | {CX 5 C}             | physical_splice_connector |
| XSF18     |             | {CX 2 B}<br>{XH 3 D} | physical_splice_connector |
| XSF19     |             | {ZC 3 B}             | physical_splice_connector |
| XSF21     |             | {XH 3 B}             | physical_splice_connector |
| XSF22     |             | {CU 4 D}             | physical_splice_connector |
| XSF23     |             | {NA 4 D}             | physical_splice_connector |
| XSF24     |             | {CX 3 B}             | physical_splice_connector |
| XSF25     |             | {CX 4 B}             | physical_splice_connector |
| XSF26     |             | {XH 2 B}             | physical_splice_connector |
| XSF27     |             | {XH 2 B}             | physical_splice_connector |
| XSF28     |             | {XH 3 B}             | physical_splice_connector |
| XSF29     |             | {FB 4 C}             | physical_splice_connector |
| XSF30     |             | {XH 4 B}             | physical_splice_connector |
| XSF31     |             | {XH 4 B}             | physical_splice_connector |
| XSF32     |             | {FB 5 B}             | physical_splice_connector |
| XSF33     |             | {XH 2 C}             | physical_splice_connector |
| XSF35     |             | {CX 1 D}             | physical_splice_connector |
| XSF39     |             | {CX 4 B}             | physical_splice_connector |
| XSF40     |             | {CX 3 C}             | physical_splice_connector |
| XSF41     |             | {XD 4 C}             | physical_splice_connector |
| XSF42     |             | {XD 4 C}             | physical_splice_connector |
| XSF43     |             | {CS 0 D}             | physical_splice_connector |
| XSF44     |             | {CX 3 C}             | physical_splice_connector |
| XSF46     |             | {CS 0 D}             | physical_splice_connector |
| XSF54     |             | {XC 2 B}             | physical_splice_connector |
| XSF55     |             | {XC 2 B}             | physical_splice_connector |
| XSF56     |             | {XC 3 B}             | physical_splice_connector |
| XSF57     |             | {XC 3 B}             | physical_splice_connector |
| XSF71     |             | {CU 1 B}             | physical_splice_connector |
| XSF72     |             | {CU 4 A}             | physical_splice_connector |
| XSF73     |             | {CU 5 A}             | physical_splice_connector |
| XSF76     |             | {CU 5 C}             | physical_splice_connector |
| XSF80     |             | {XF 2 C}             | physical_splice_connector |
| XSF81     |             | {XF 2 C}             | physical_splice_connector |
| XSF82     |             | {XF 2 C}             | physical_splice_connector |
| XSF83     |             | {XF 2 C}             | physical_splice_connector |
| XSF84     |             | {XF 3 C}             | physical_splice_connector |
| XSF85     |             | {XF 3 C}             | physical_splice_connector |
| XSF86     |             | {XF 4 C}             | physical_splice_connector |

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| XSF88     |             | {XF 4 C}  | physical_splice_connector |
| XSF89     |             | {XF 5 C}  | physical_splice_connector |
| XSF92     |             | {BA 3 D}  | physical_splice_connector |
| XSF93     |             | {BB 3 C}  | physical_splice_connector |
| XSF94     |             | {BB 3 B}  | physical_splice_connector |
| XSF95     |             | {AB 3 B}  | physical_splice_connector |
| XSF96     |             | {AB 3 C}  | physical_splice_connector |
| XSF97     |             | {CS 5 D}  | physical_splice_connector |
| XSF98     |             | {CS 3 D}  | physical_splice_connector |
| XSF102    |             | {CU 2 D}  | physical_splice_connector |
| XSF103    |             | {CU 2 D}  | physical_splice_connector |
| XSF104    |             | {CU 3 D}  | physical_splice_connector |
| XSF105    |             | {CU 2 D}  | physical_splice_connector |
| XSF106    |             | {CU 4 D}  | physical_splice_connector |
| XSF107    |             | {CU 4 D}  | physical_splice_connector |
| XSF108    |             | {CU 3 D}  | physical_splice_connector |
| XSF109    |             | {CU 3 D}  | physical_splice_connector |
| XSF110    |             | {CU 5 D}  | physical_splice_connector |
| XSF111    |             | {CU 5 D}  | physical_splice_connector |
| XSF112    |             | {CU 4 D}  | physical_splice_connector |
| XSF113    |             | {CU 0 A}  | physical_splice_connector |
| XSF114    |             | {CU 0 A}  | physical_splice_connector |
| XSF115    |             | {XG 2 A}  | physical_splice_connector |
| XSF116    |             | {XG 2 B}  | physical_splice_connector |
| XSF117    |             | {XG 4 A}  | physical_splice_connector |
| XSF118    |             | {XG 4 B}  | physical_splice_connector |
| XSF119    |             | {DN2 2 D} | physical_splice_connector |
| XSF120    |             | {DN2 2 D} | physical_splice_connector |
| XSF121    |             | {DN2 3 C} | physical_splice_connector |
| XSF122    |             | {DN2 2 C} | physical_splice_connector |
| XSF123    |             | {DN2 3 D} | physical_splice_connector |
| XSL10     |             | {CU 3 A}  | physical_splice_connector |
| XSL11     |             | {CU 3 A}  | physical_splice_connector |
| XSL12     |             | {CU 2 A}  | physical_splice_connector |
| XSL13     |             | {CU 2 A}  | physical_splice_connector |
| XSM01     |             | {GN 4 D}  | physical_splice_connector |
| XSM02     |             | {ZC 0 C}  | physical_splice_connector |
| XSN01     |             | {BA 2 A}  | physical_splice_connector |

|                                                                                                                              |                          |             |               |               |
|------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------|---------------|---------------|
| <br><b>VOLVO</b><br>Volvo Bus Corporation | Document Title           |             |               |               |
|                                                                                                                              | <b>WIRING DIAGRAM</b>    |             |               |               |
|                                                                                                                              | Document Type            |             |               |               |
|                                                                                                                              | <b>PRODUCT SCHEMATIC</b> |             |               |               |
|                                                                                                                              | Document No              | Issue Index | Volume No     | Page No       |
|                                                                                                                              | <b>21827151</b>          | <b>02</b>   | <b>02(02)</b> | <b>39(40)</b> |

| Part Name | Description                                  | Location | Part Type                 |
|-----------|----------------------------------------------|----------|---------------------------|
| XSU25     |                                              | {AB 3 C} | physical_splice_connector |
| XU25:1    |                                              | {AC 2 D} | inline_connector          |
| XU25:2    |                                              | {AC 2 C} | inline_connector          |
| XU25:3    |                                              | {AC 2 D} | inline_connector          |
| XU25:4    |                                              | {AC 2 D} | inline_connector          |
| XU25:5    |                                              | {AC 2 D} | inline_connector          |
| Y02       | Solenoid valve,Differential lock,rear wheels | {EP 1 C} | componentSymbol           |
| Y25       | Solenoid valve unit, ECS, Rear axle          | {FA 5 C} | componentSymbol           |
| Y36       | Solenid valve,Steerable axle,Bogie           | {BB 0 B} | componentSymbol           |
| Y40       | Solenoid valve unit, ECS, Front axle         | {FA 4 B} | componentSymbol           |
| Y72       | Valve, Horn                                  | {IS 3 C} | componentSymbol           |
| Y900      | solenoid valve unit, ECS, Bogie axle         | {FA 2 C} | componentSymbol           |
| Y901      | Fuel cut off valve front axle                | {NA 5 C} | componentSymbol           |
| Y911      | sol_valve_inj_SCRT_DNOX2                     | {CU 3 D} | componentSymbol           |
| Y911_10   | sol valve DEF inj.                           | {CX 2 A} | componentSymbol           |
| Y912      | sol_valve_adblue_tank_heating_SCRT_DNOX2     | {CU 4 B} | componentSymbol           |
| Y912_US   | Sol_Valve_Heating_Urea_Tank                  | {CX 3 B} | componentSymbol           |
| Y914      | Pressure control valve(PCU/R)                | {EP 5 C} | componentSymbol           |
| Y915      | Pressure controll valve (PCU/R)              | {EP 5 C} | componentSymbol           |
| Y939      | Solenoid Valve AHI                           | {BA 2 A} | componentSymbol           |

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