

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

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Document Title  
**WIRING DIAGRAM**  
**B13**

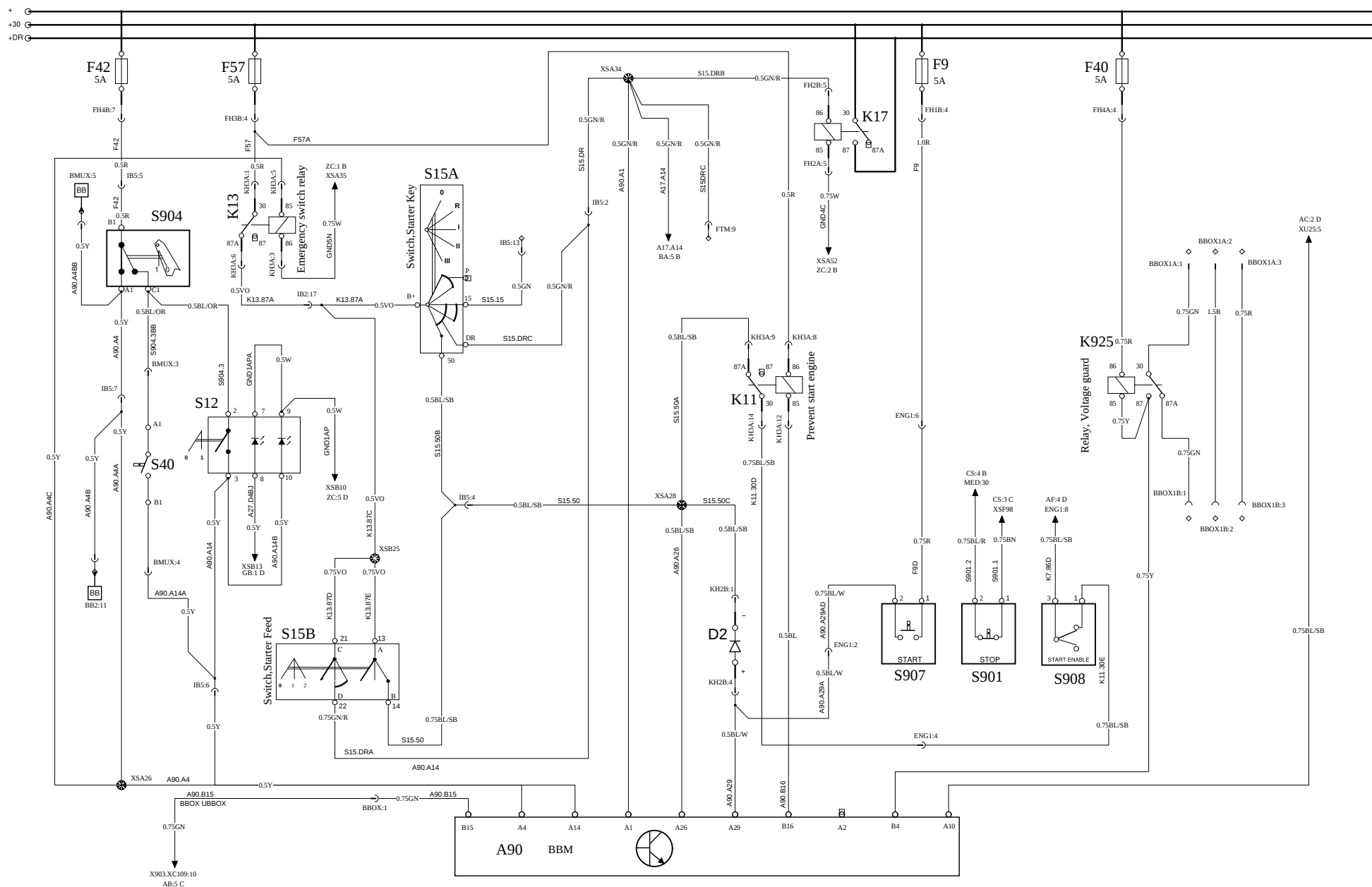
**VOLVO**  
**Volvo Bus Corporation**

Document Type  
**PRODUCT SCHEMATIC**  
Owner Domain: Document Prefix

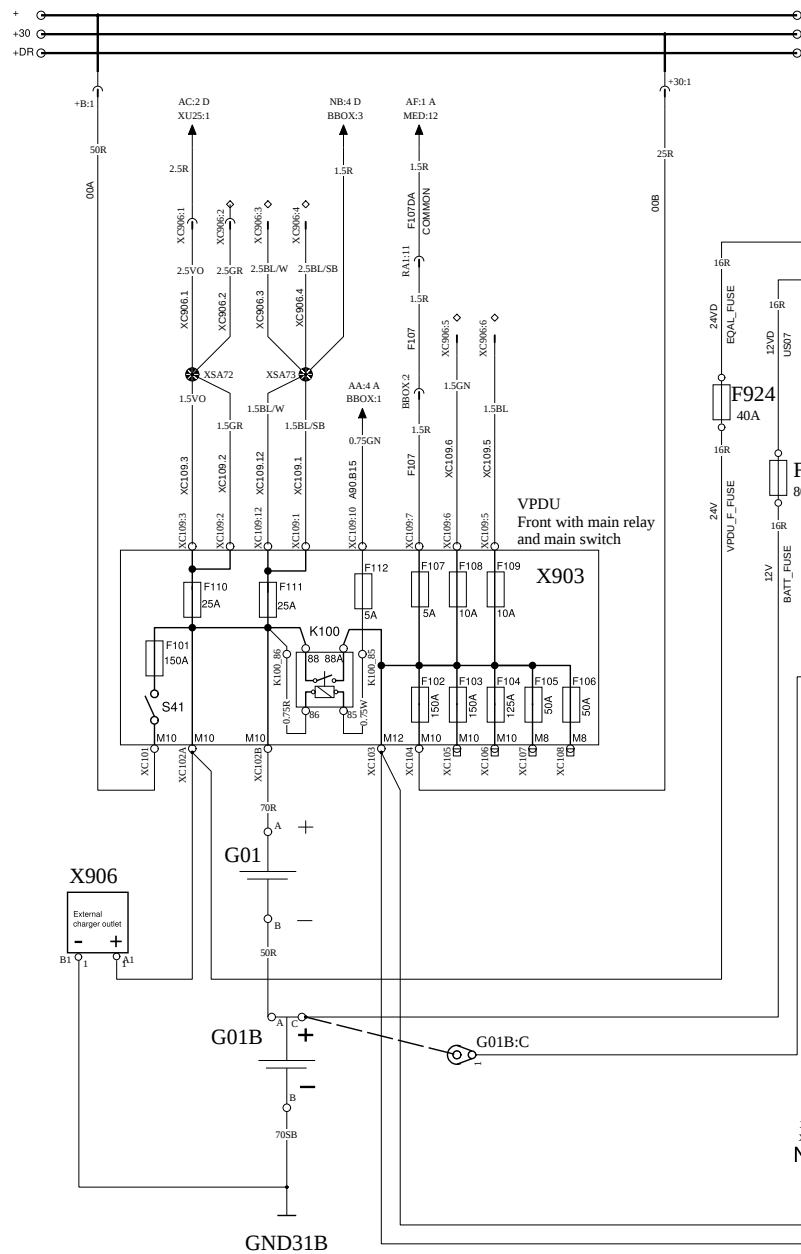
|                 |             |               |              |
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| <b>70396509</b> | <b>04</b>   | <b>01(02)</b> | <b>1(33)</b> |

# IGNITION AND STARTING SYSTEM

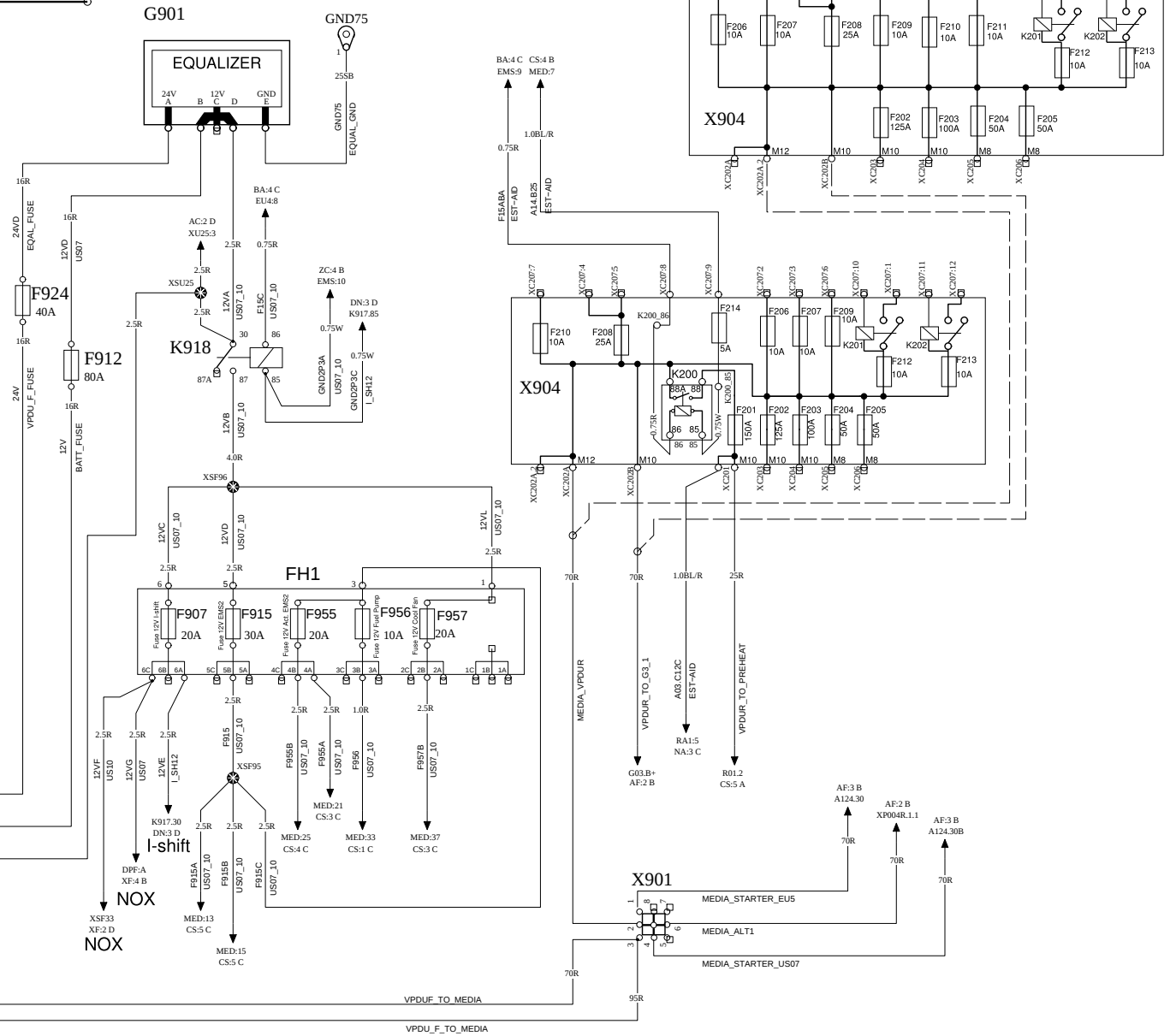
# WIRING DIAGRAM AA

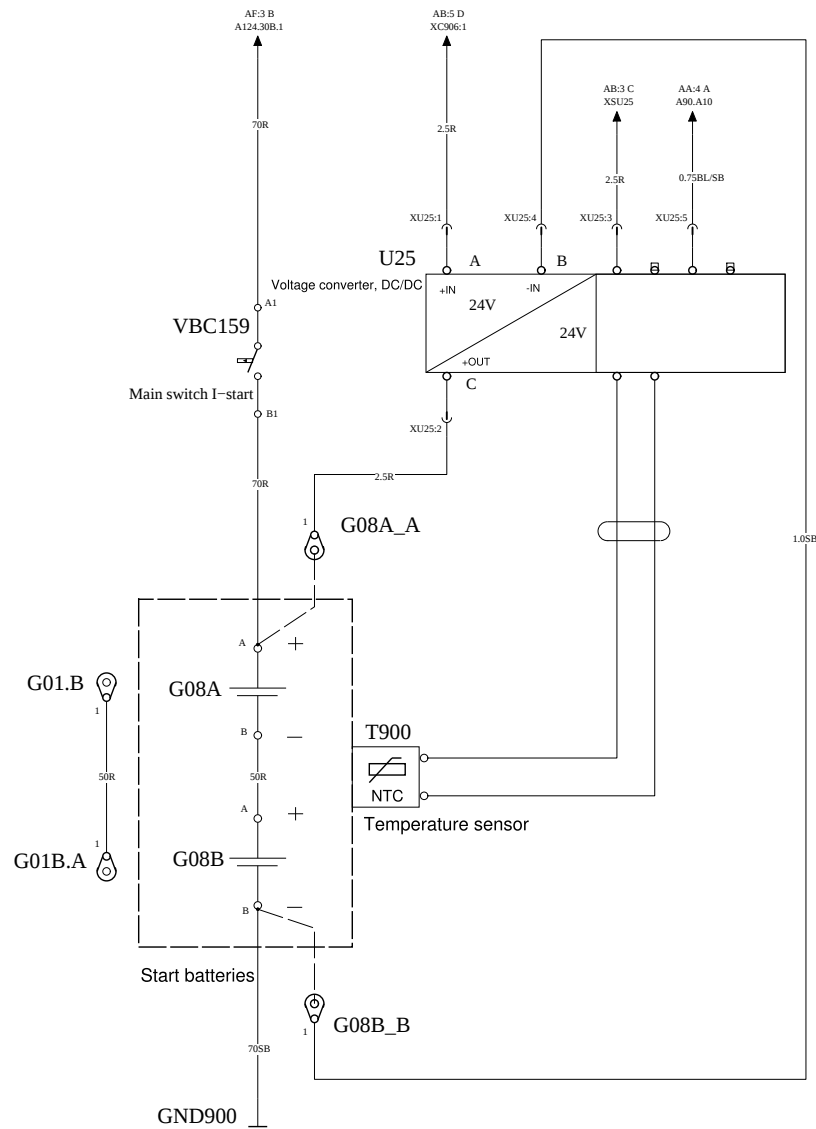


## POWER SUPPLY



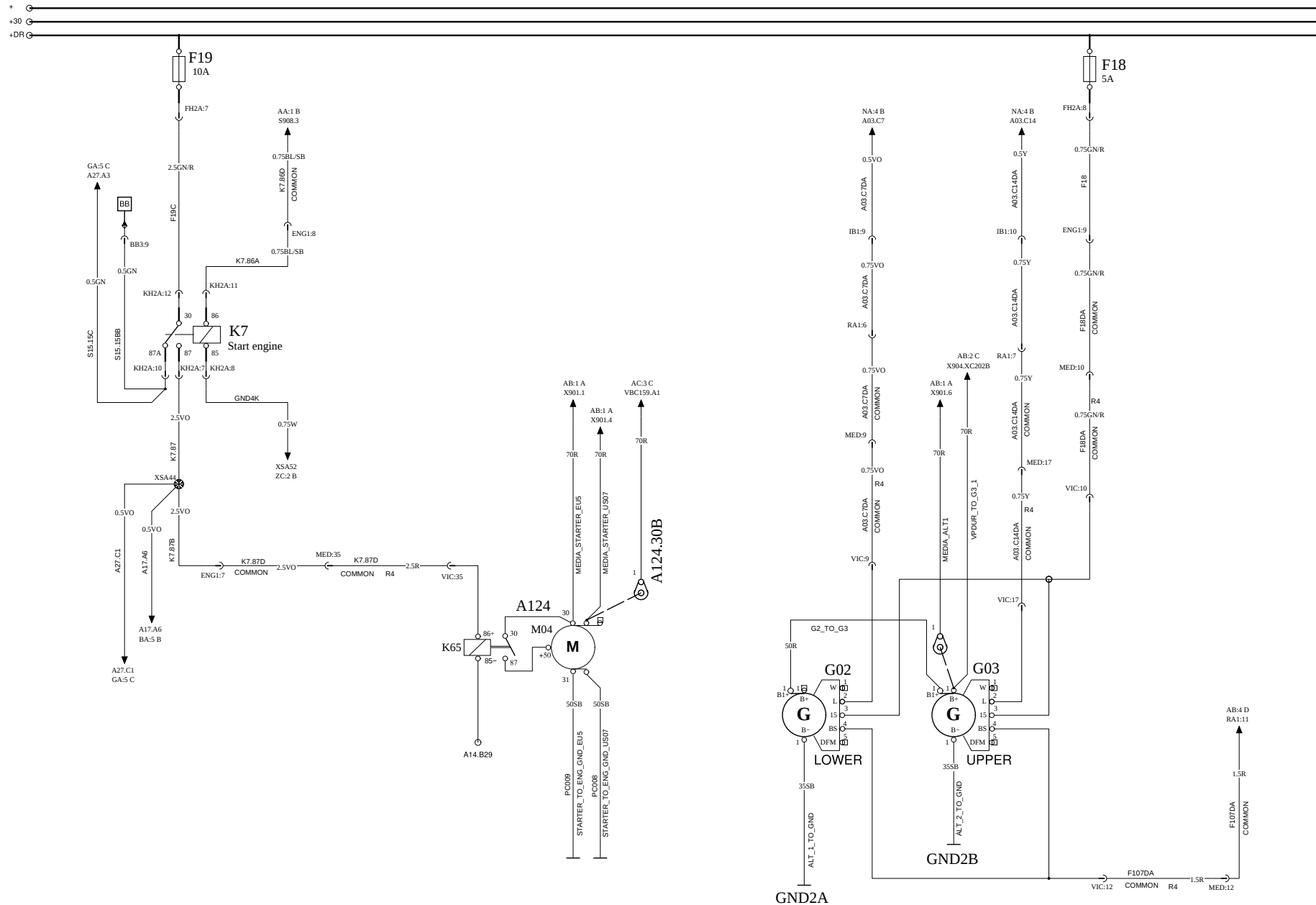
## WIRING DIAGRAM AB





# STARTER MOTOR AND ALTERNATORS

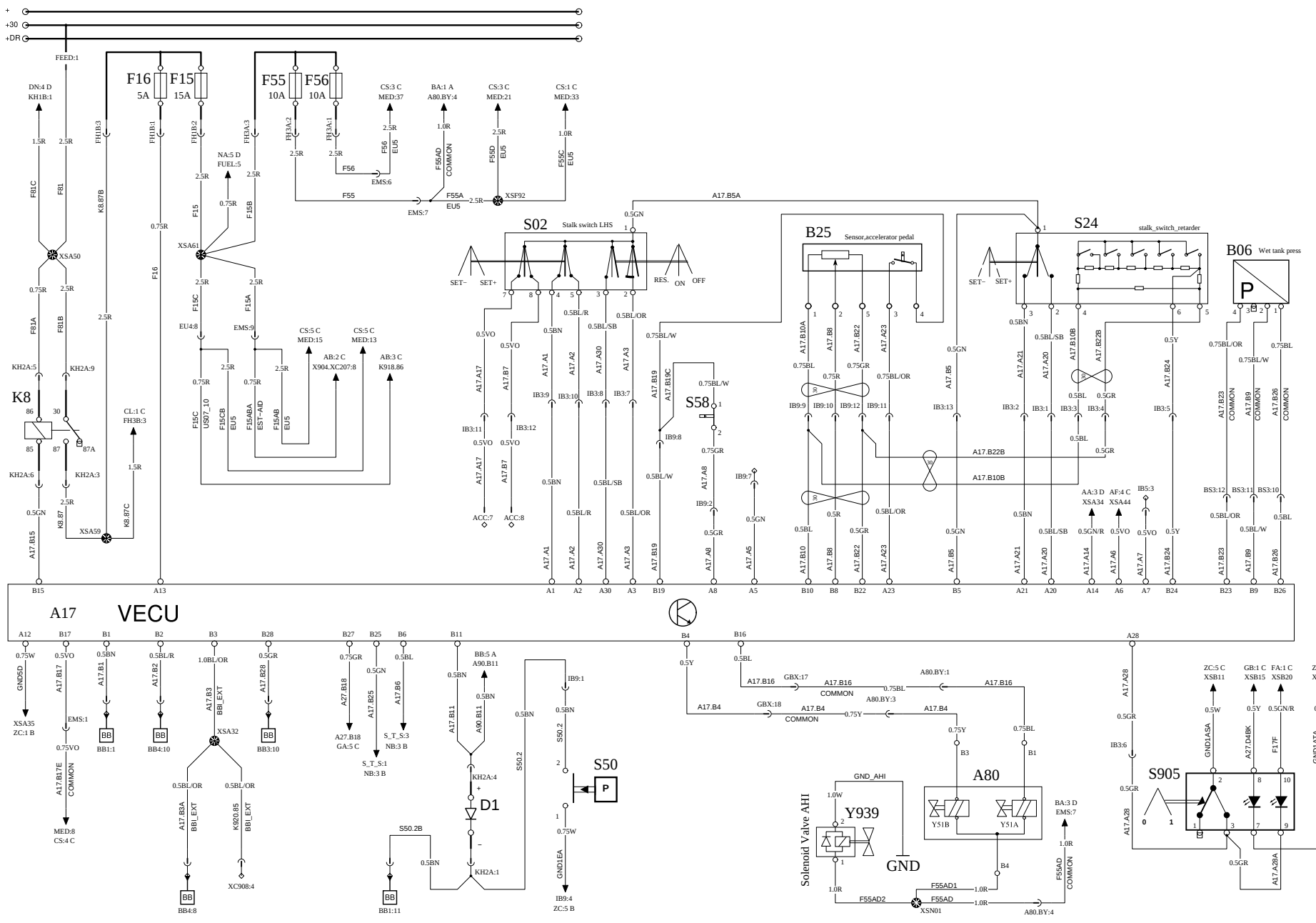
# WIRING DIAGRAM AF



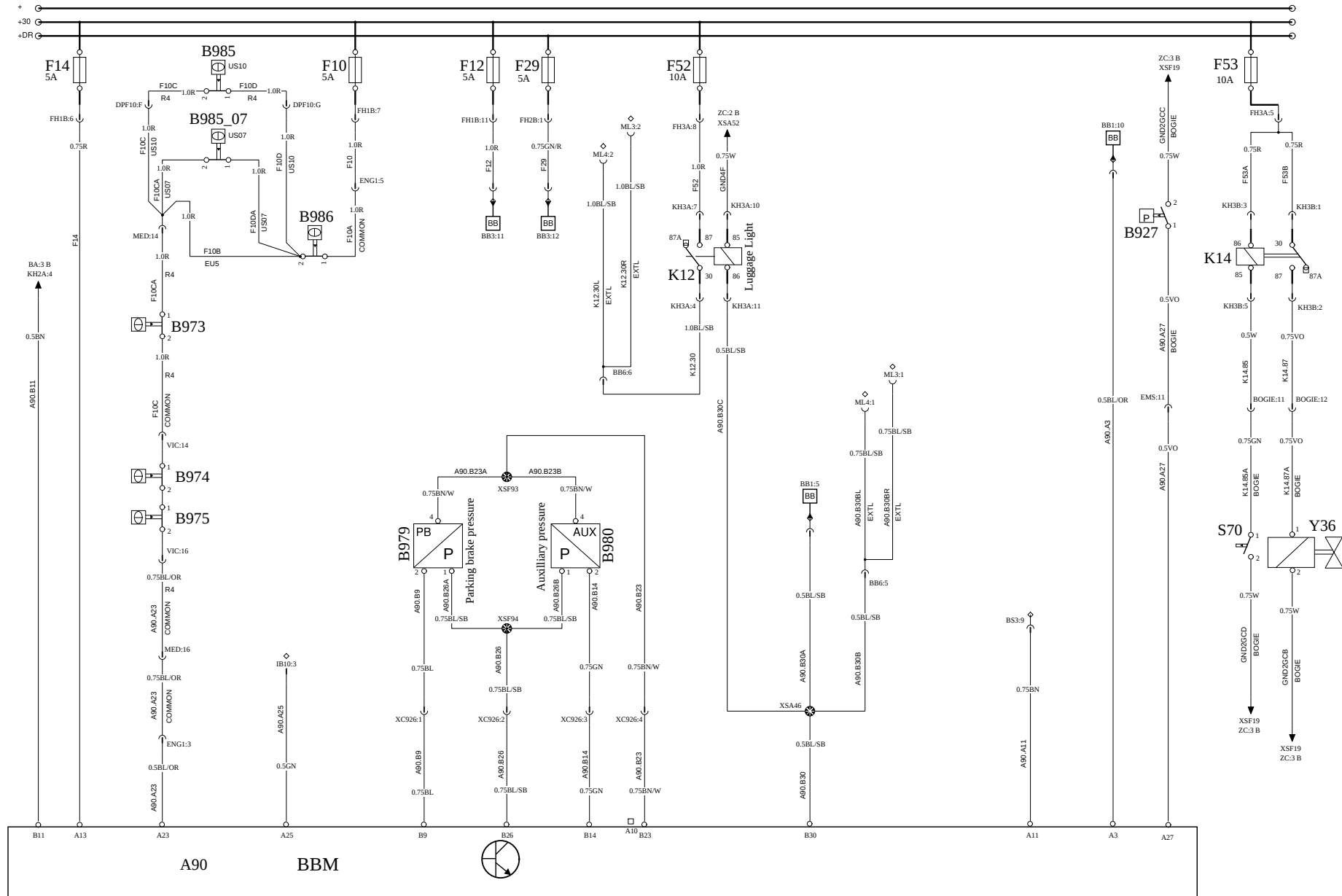
# VECU

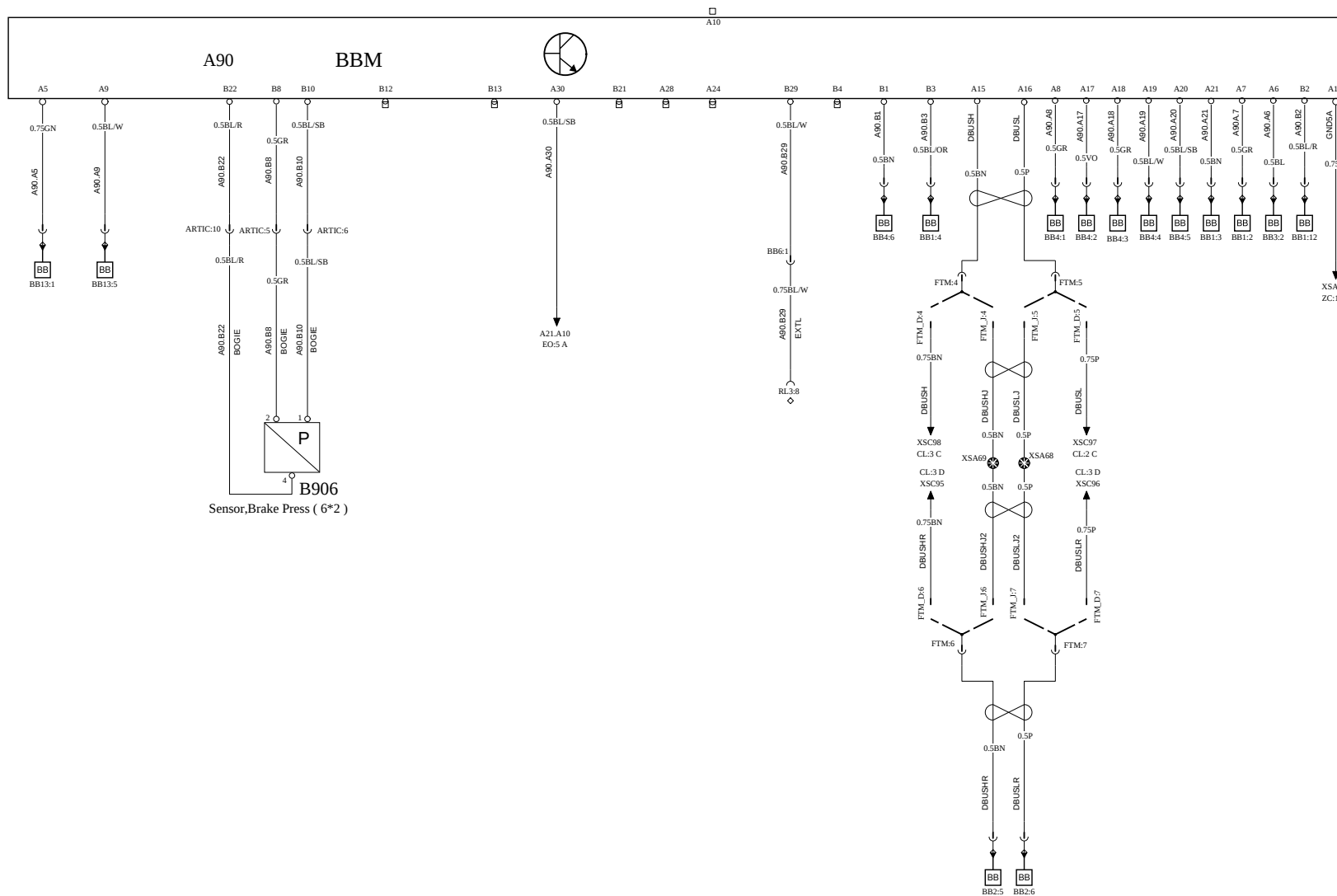
# VEHICLE ECU

# WIRING DIAGRAM BA



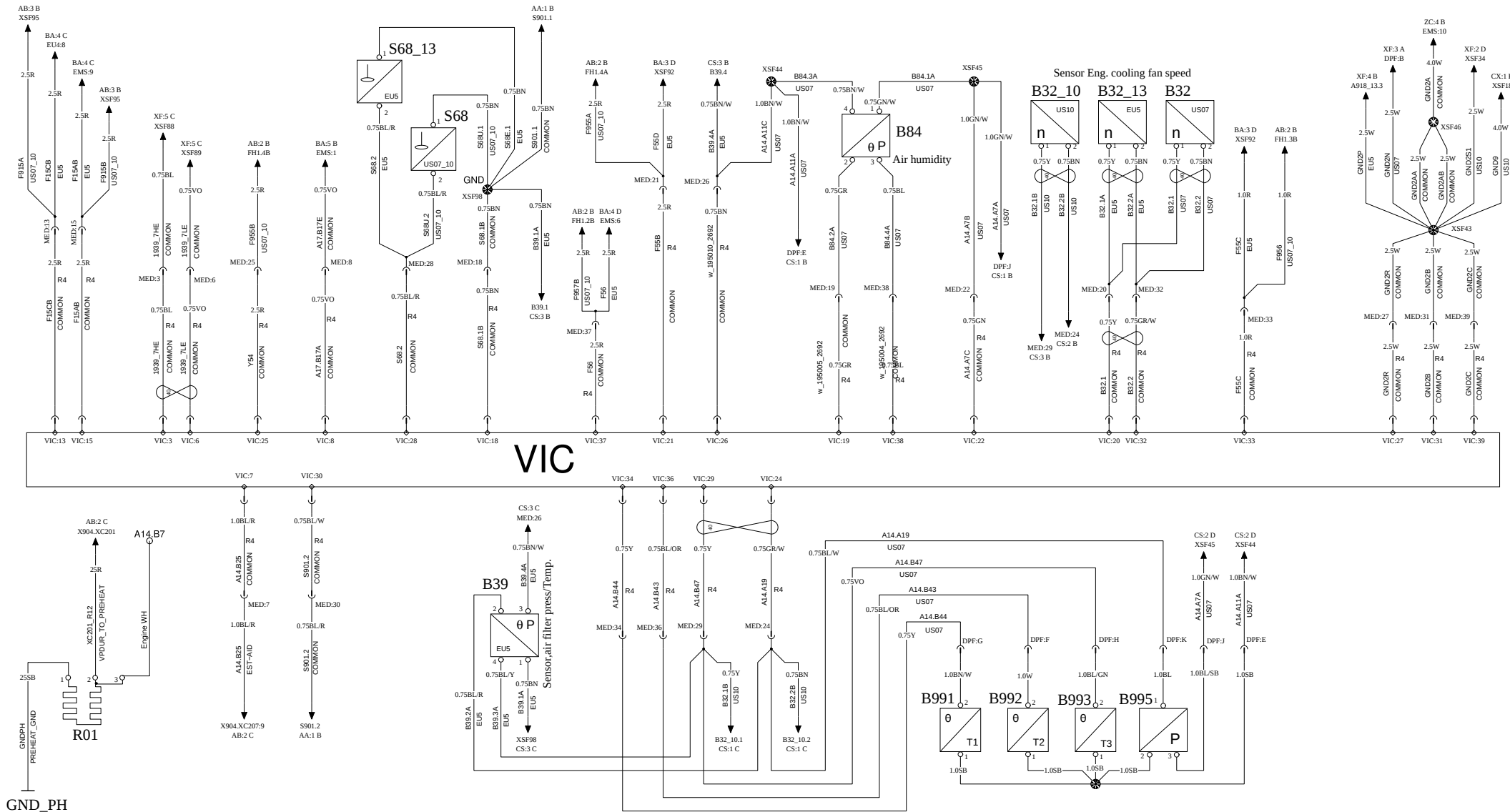
BBM BODY BUILDER MODULE WIRING DIAGRAM BB





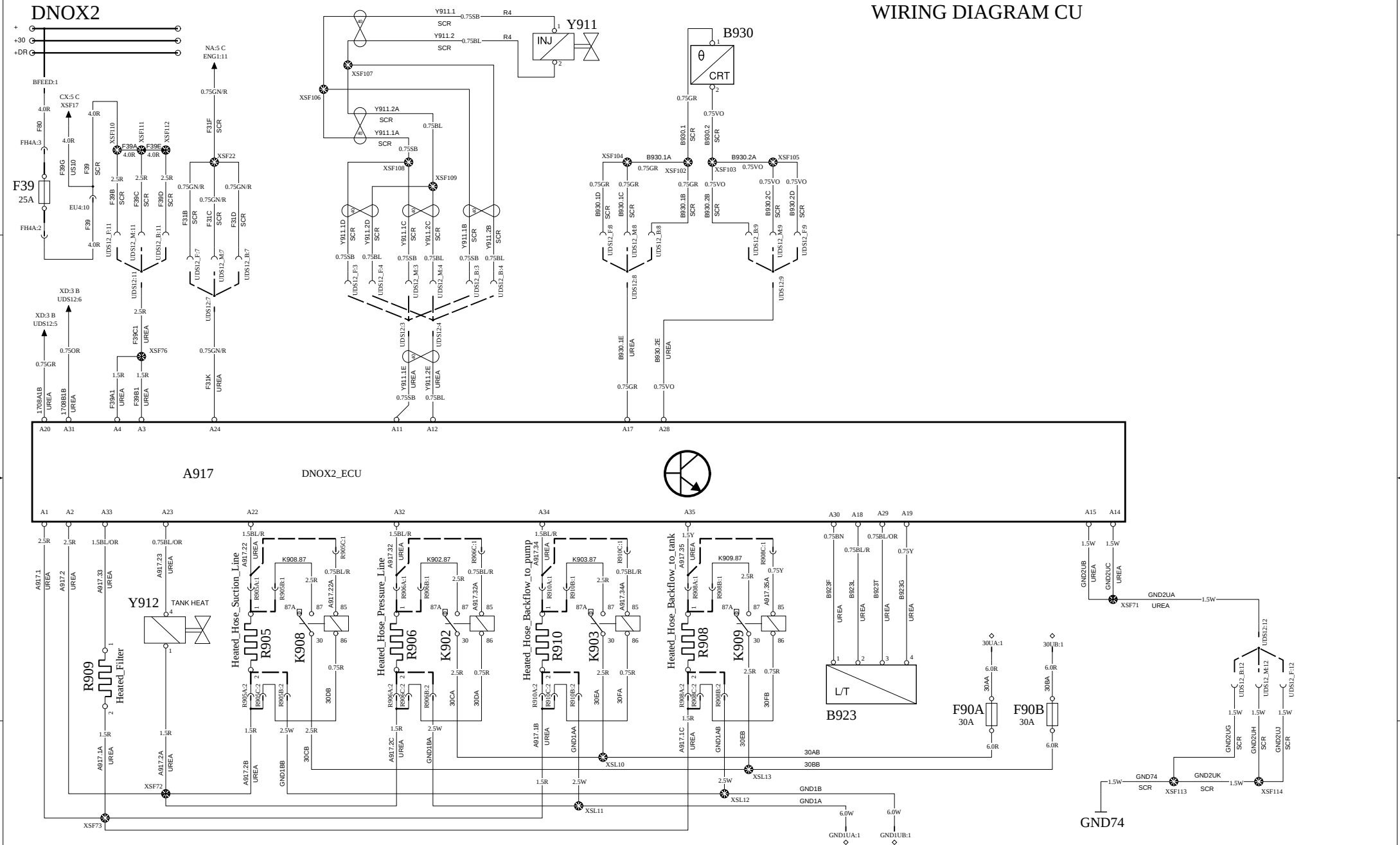






# DNOX2

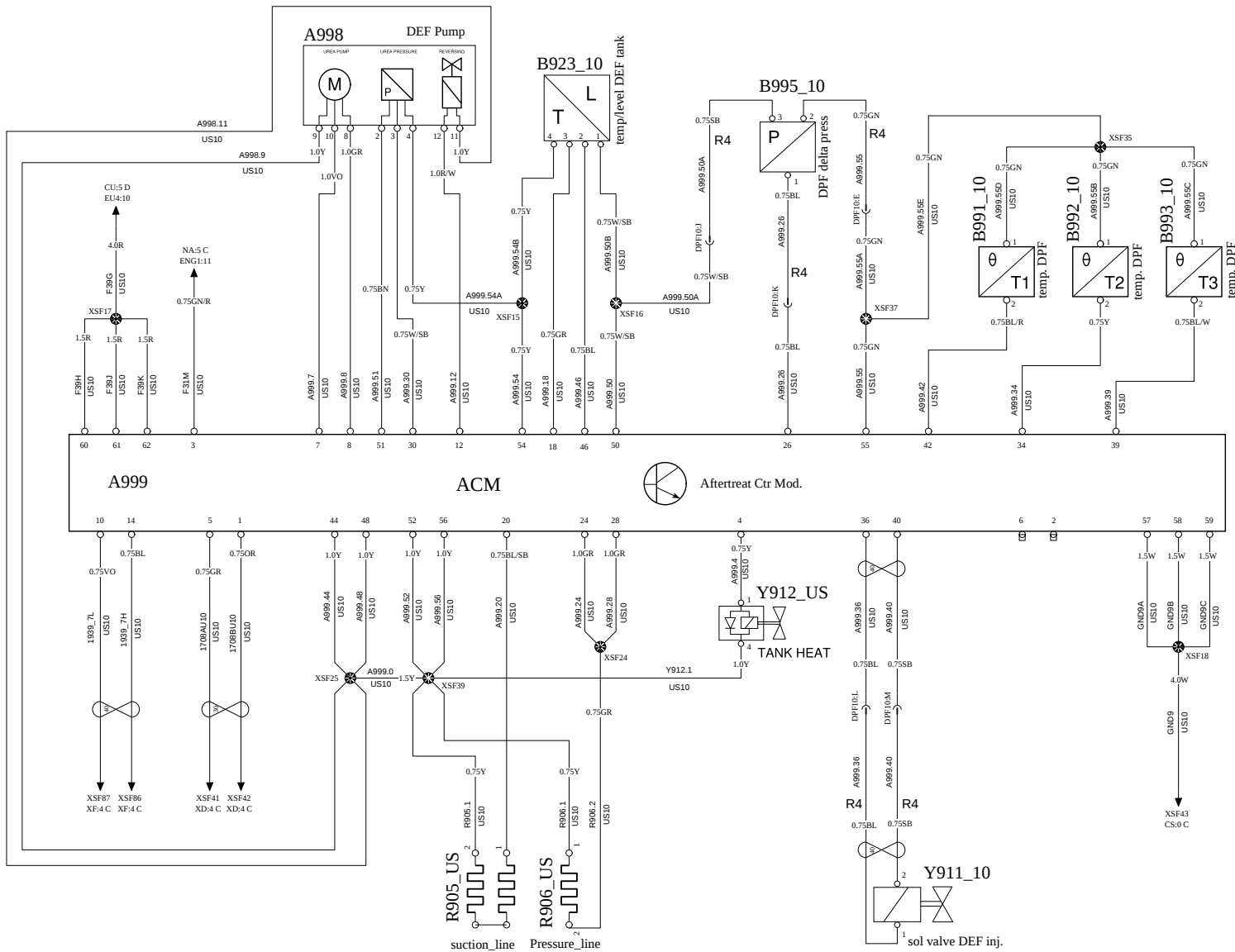
# WIRING DIAGRAM CU



|                                       |                                     |                             |                 |                      |                    |
|---------------------------------------|-------------------------------------|-----------------------------|-----------------|----------------------|--------------------|
| <b>VOLVO</b><br>Volvo Bus Corporation | Document title<br>WIRING DIAGRAM CU | Document No<br><br>70396509 | Issue<br><br>04 | Volume<br><br>01(02) | Page<br><br>12(33) |
|                                       | Document type<br>PRODUCT SCHEMATIC  |                             |                 |                      |                    |

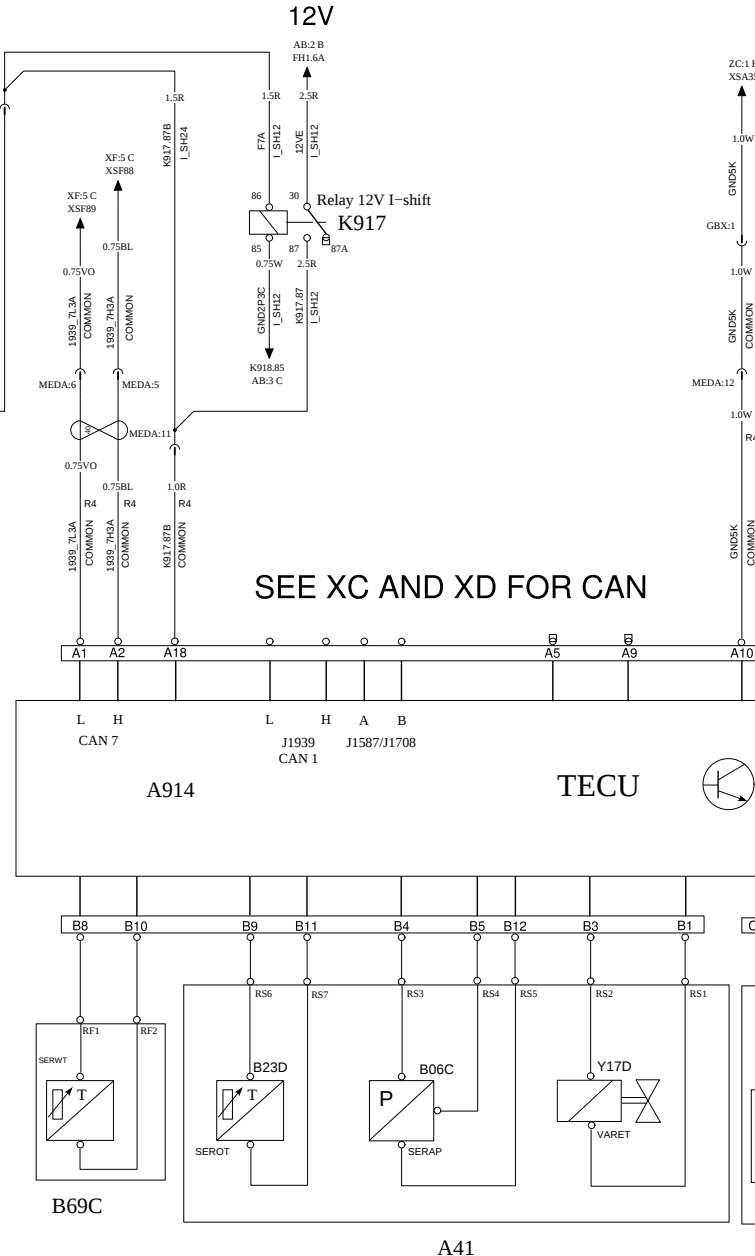
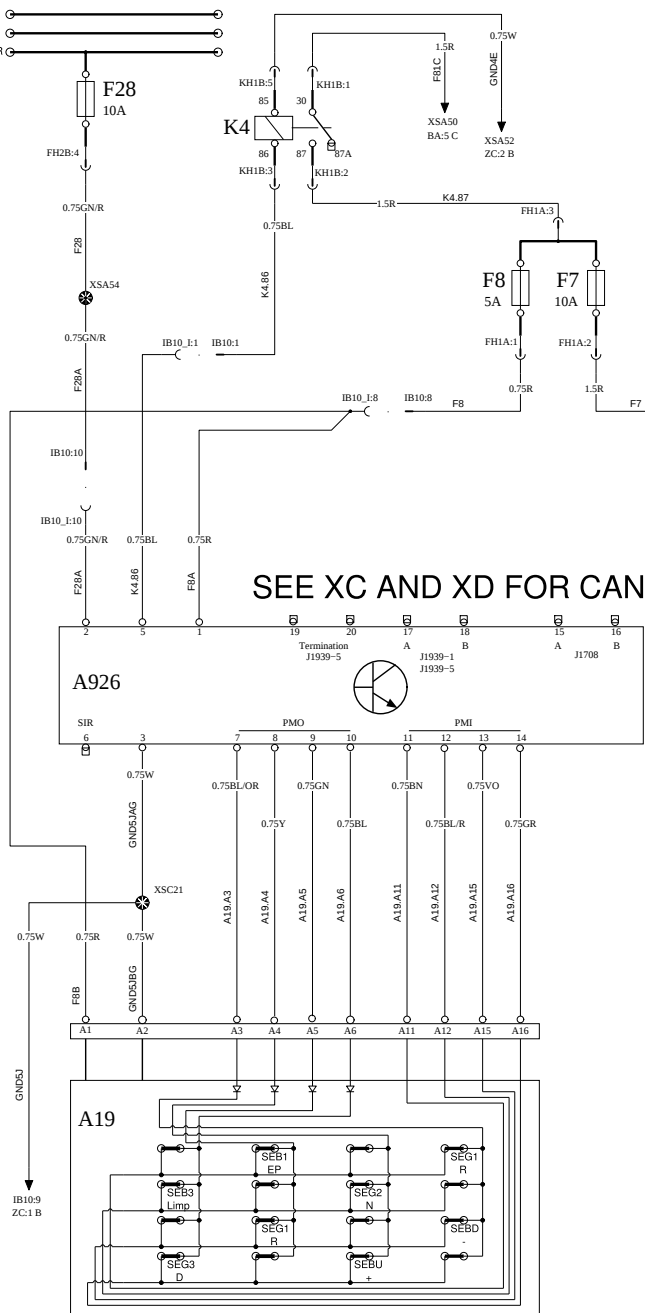
# AFTER TREAT CTR MODULE

# WIRING DIAGRAM CX



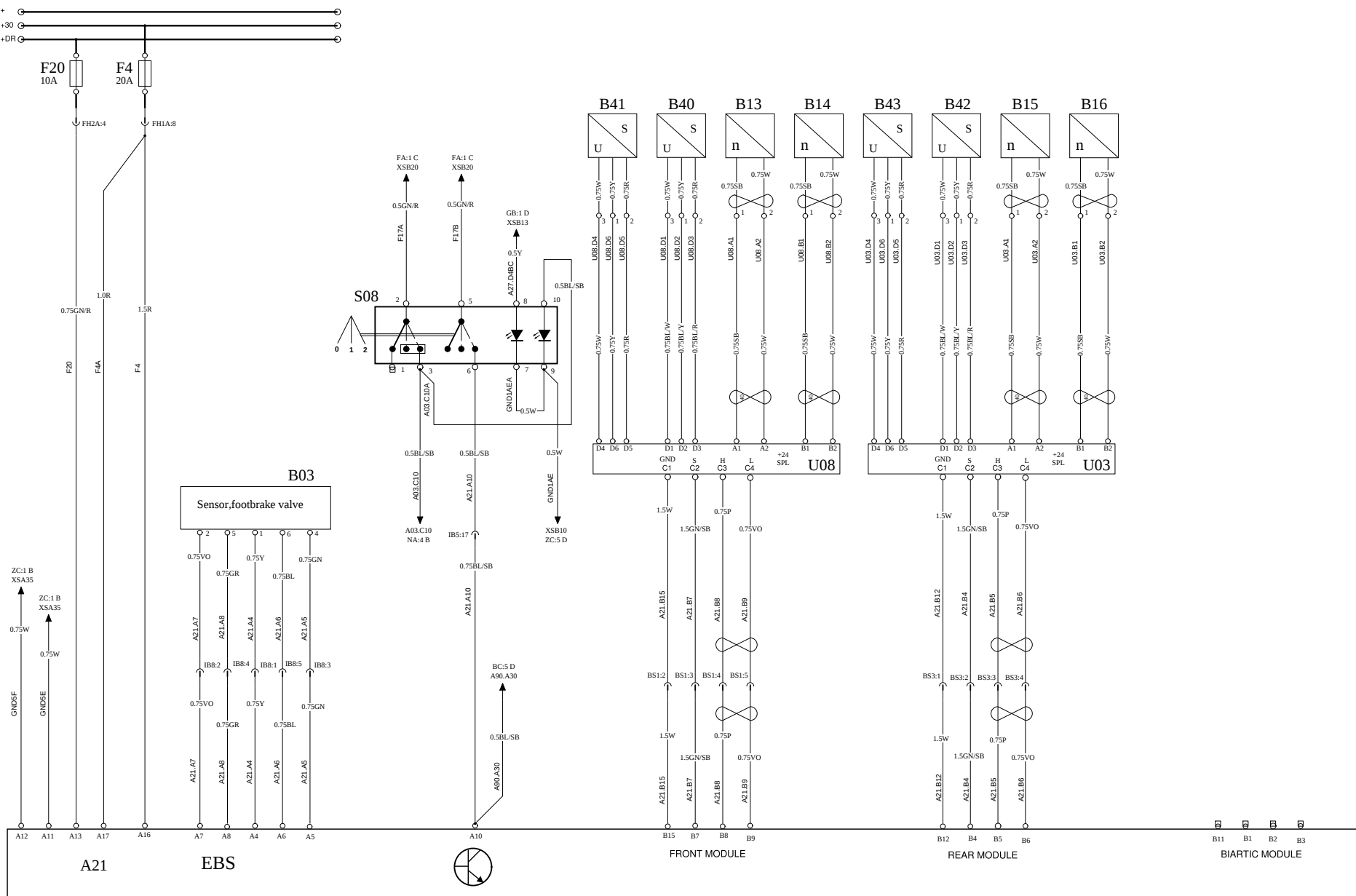
# I-SHIFT

# WIRING DIAGRAM DN



# EBS

# WIRING DIAGRAM EO

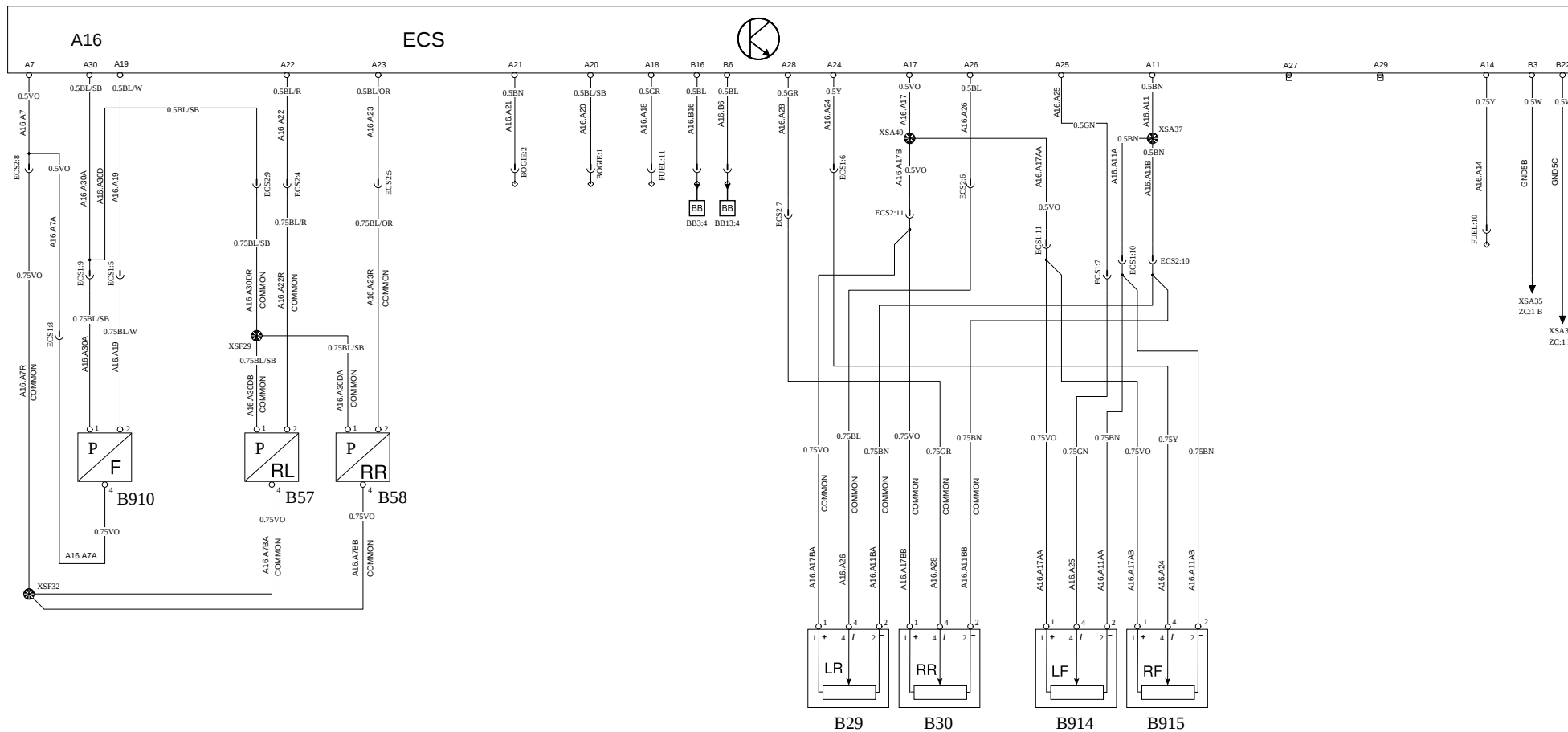






# AIR SUSPENSION ECS

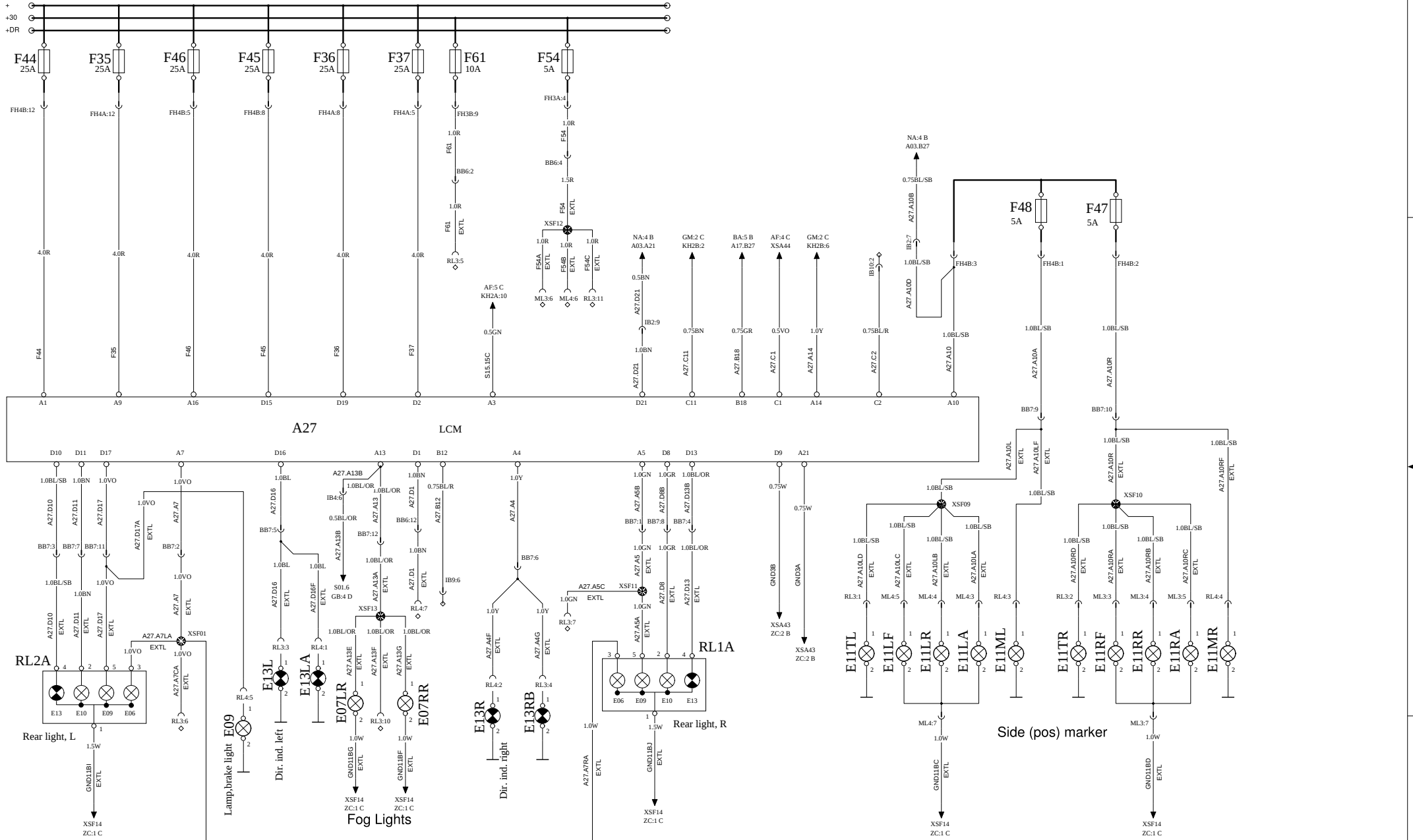
# WIRING DIAGRAM FB



# LCM

# REAR LIGHTS

# WIRING DIAGRAM GA



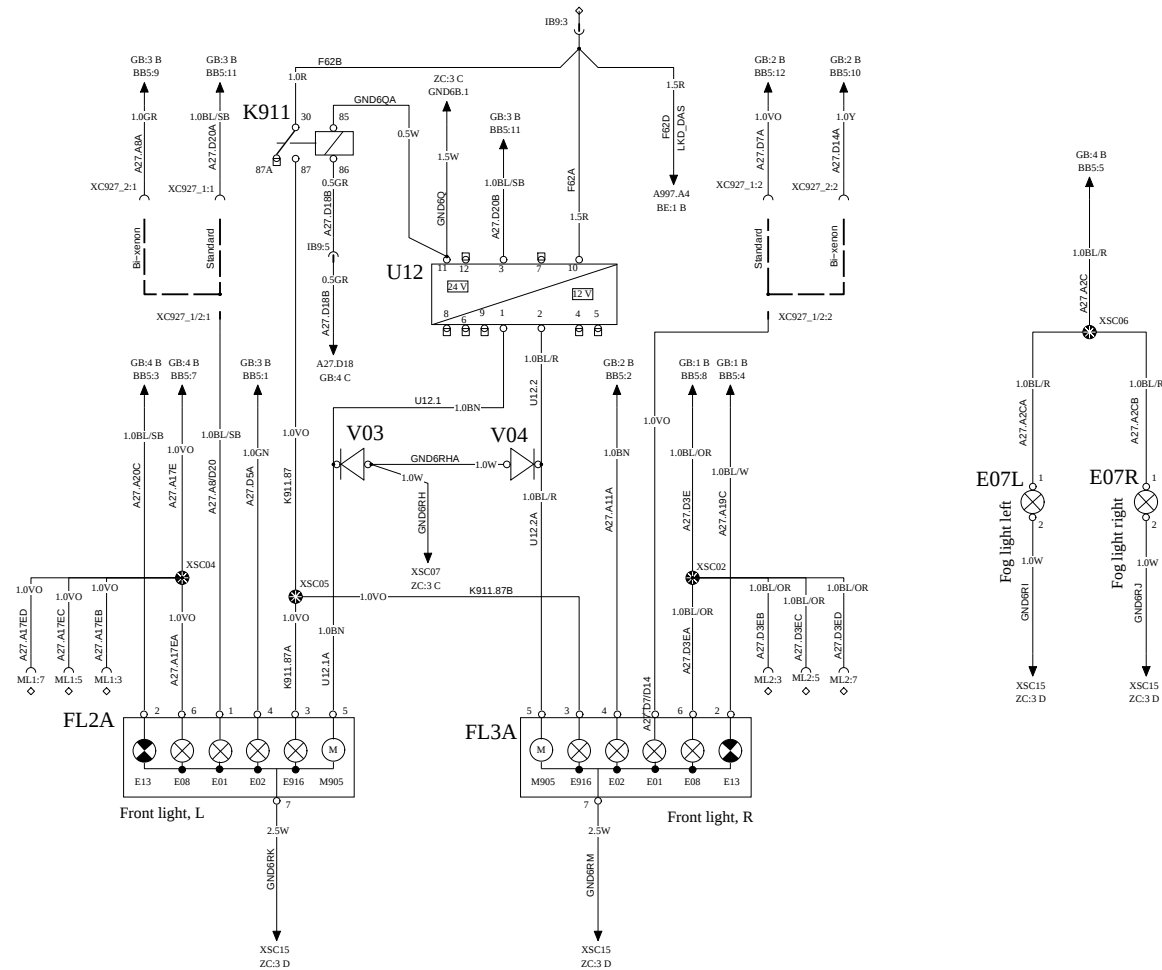


## LCM

## BI-XENON LIGHT

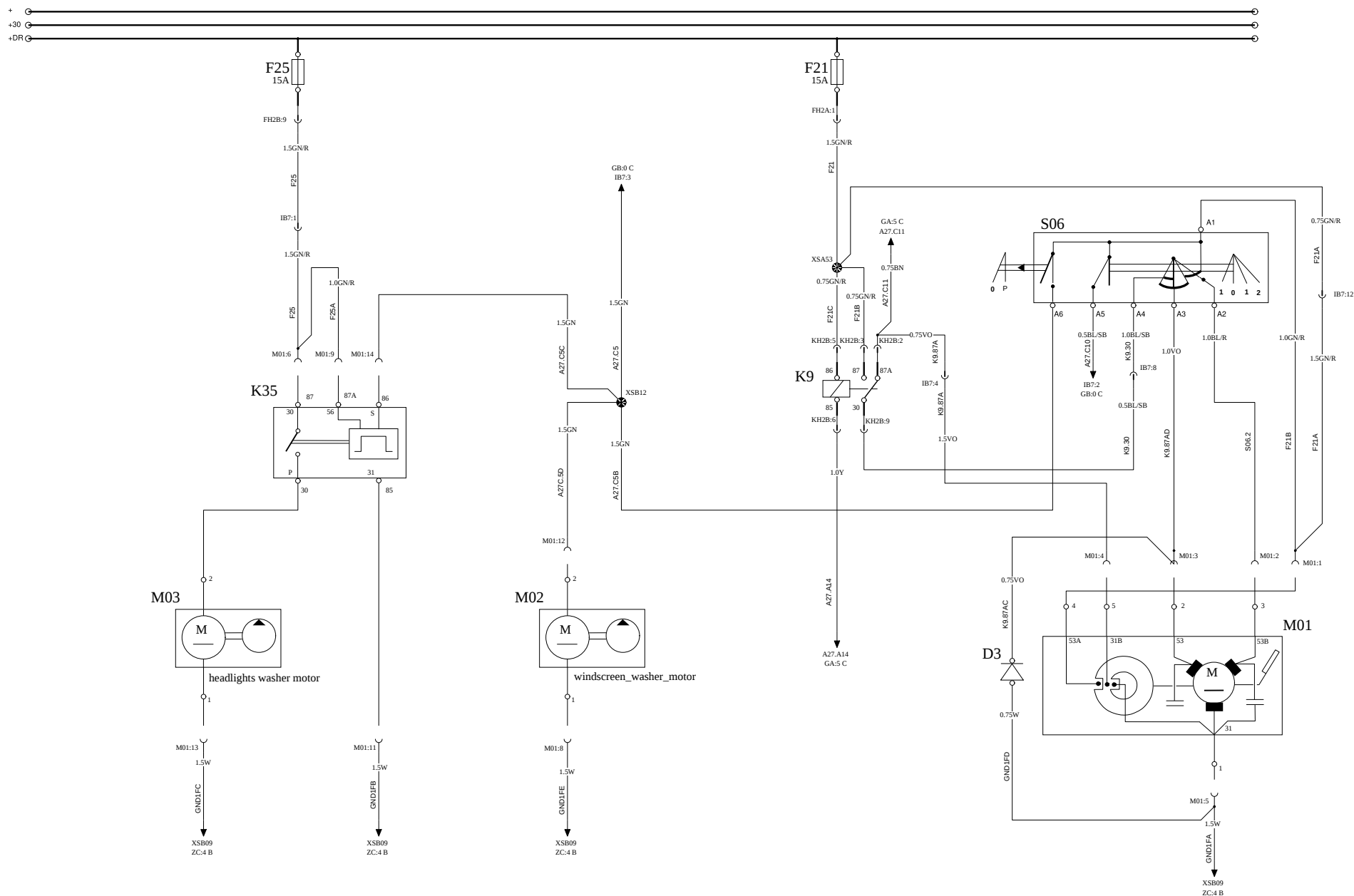
## WIRING DIAGRAM GE

FRONT LIGHT



## WIPER, WASHER

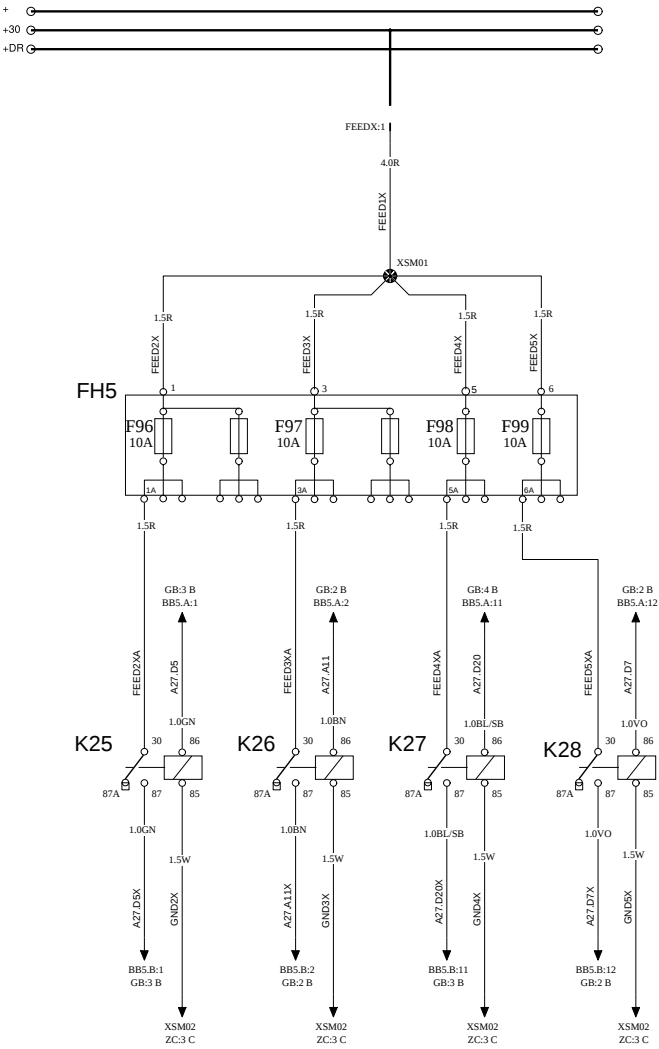
# WIRING DIAGRAM GM



LCM

XENON LIGHTS RELAY

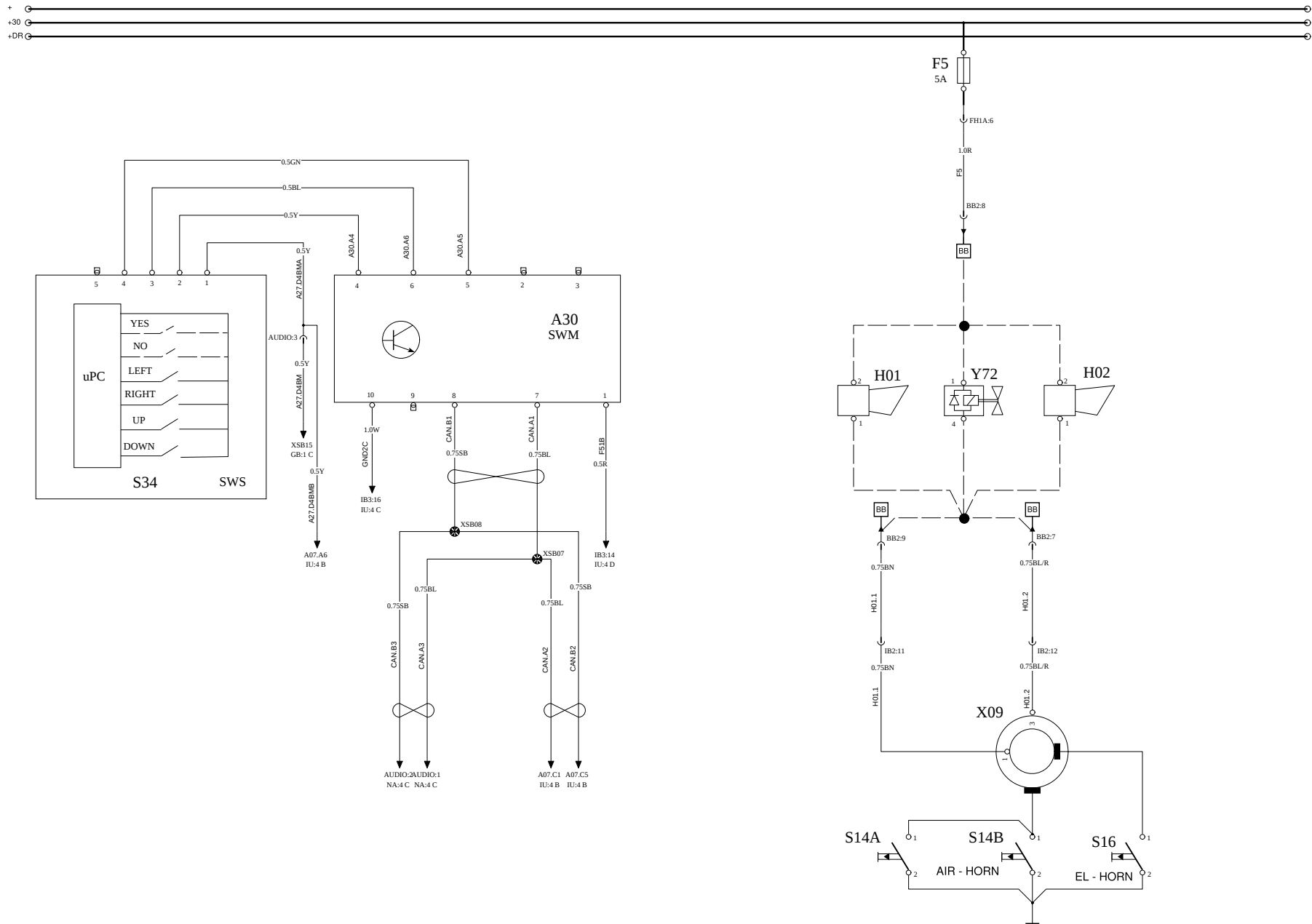
WIRING DIAGRAM GN



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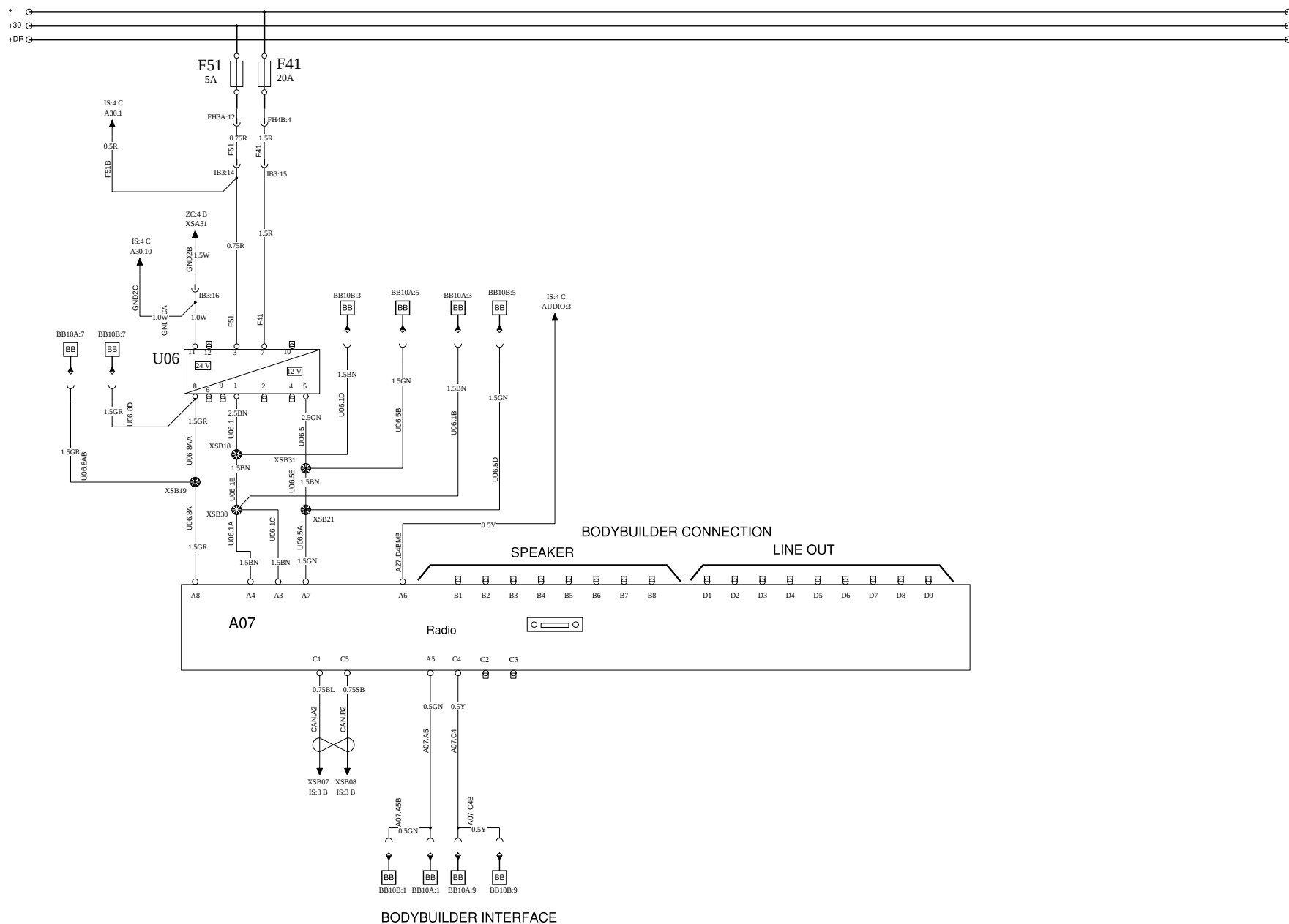
# HORN, SWM

# WIRING DIAGRAM IS



# AUDIO

# WIRING DIAGRAM IU



## WIRING DIAGRAM NA



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|-------------------|
| Document type     |
| PRODUCT SCHEMATIC |

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01(02)

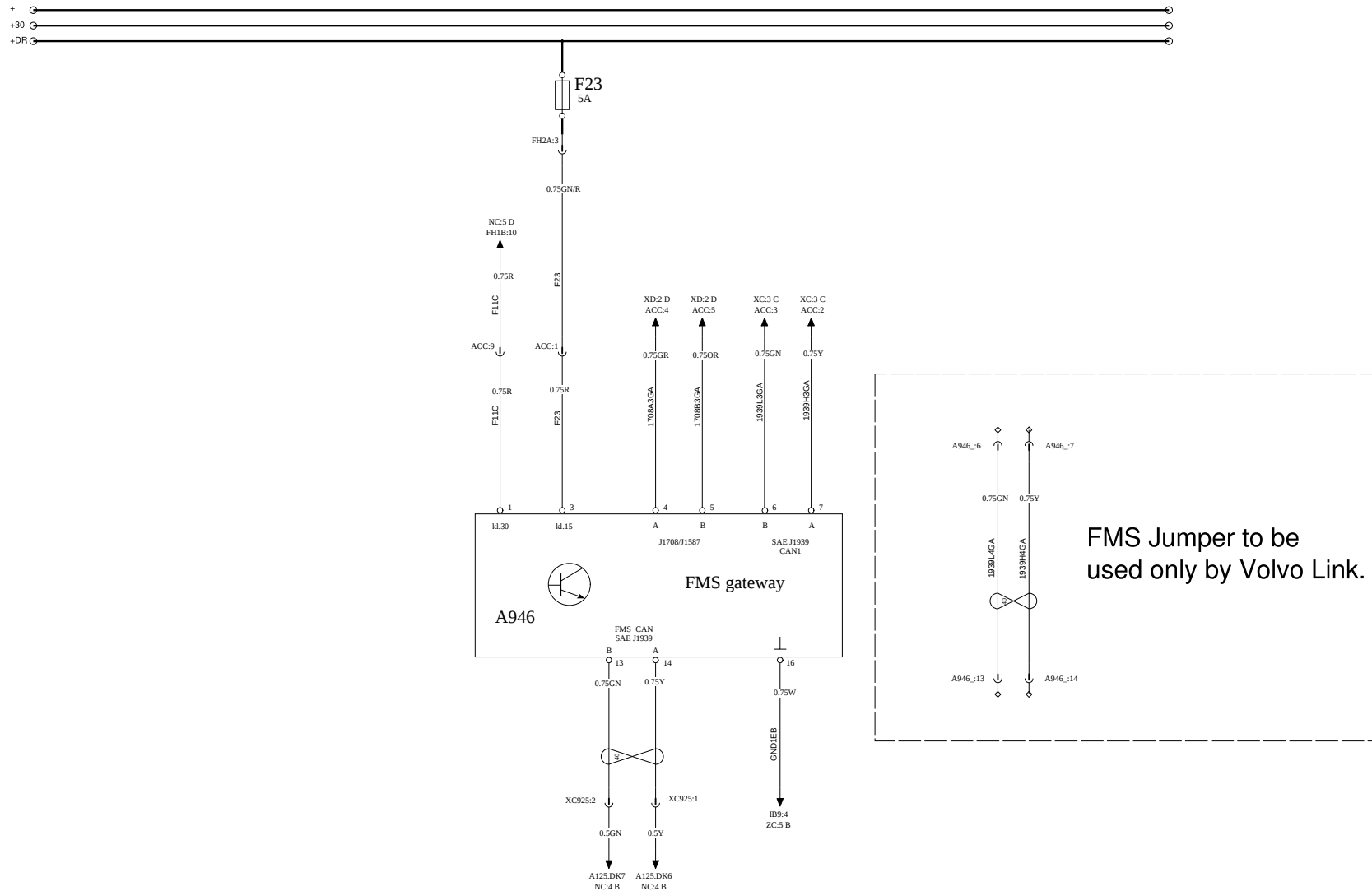
26(33)





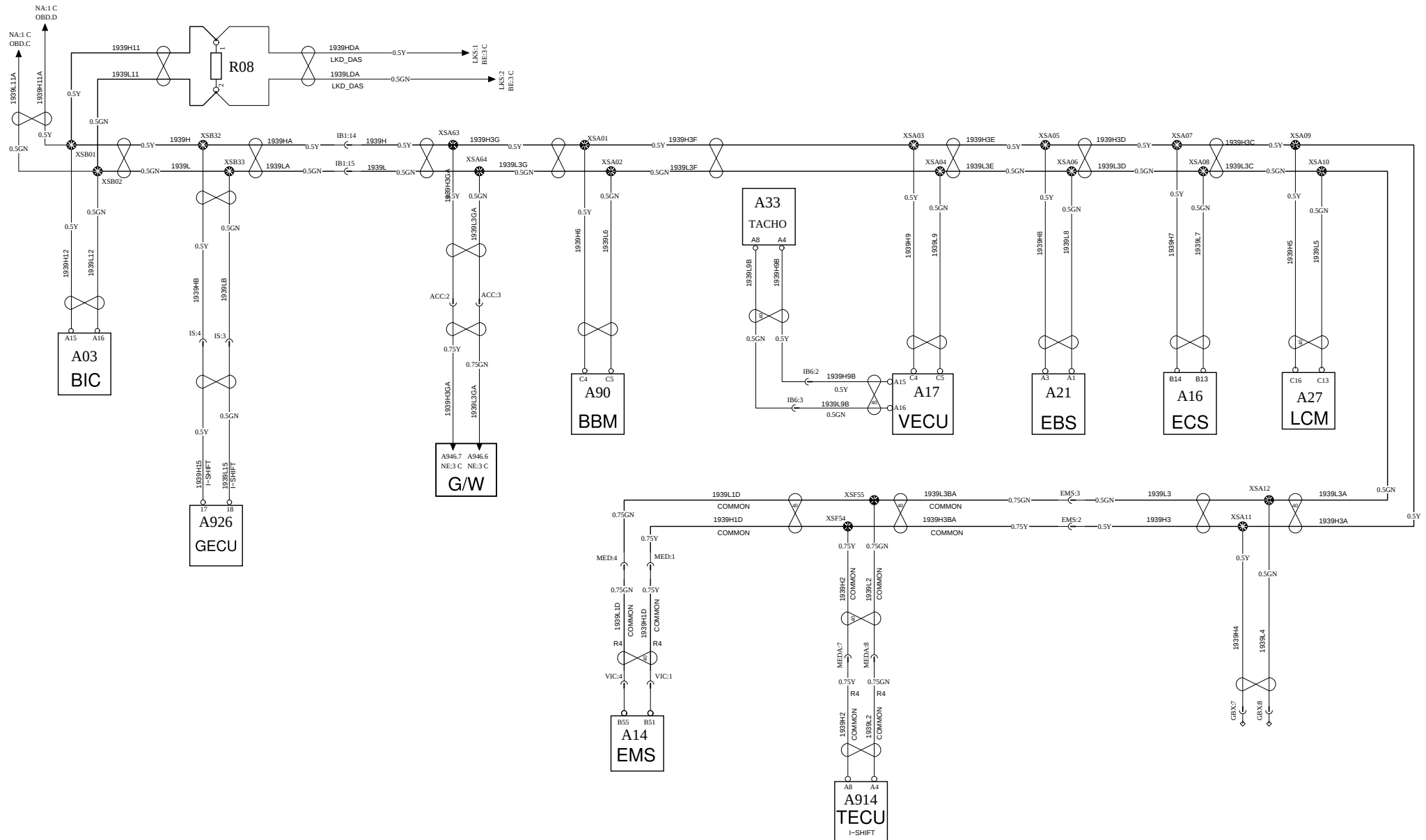
# FMS GATEWAY

# WIRING DIAGRAM NE



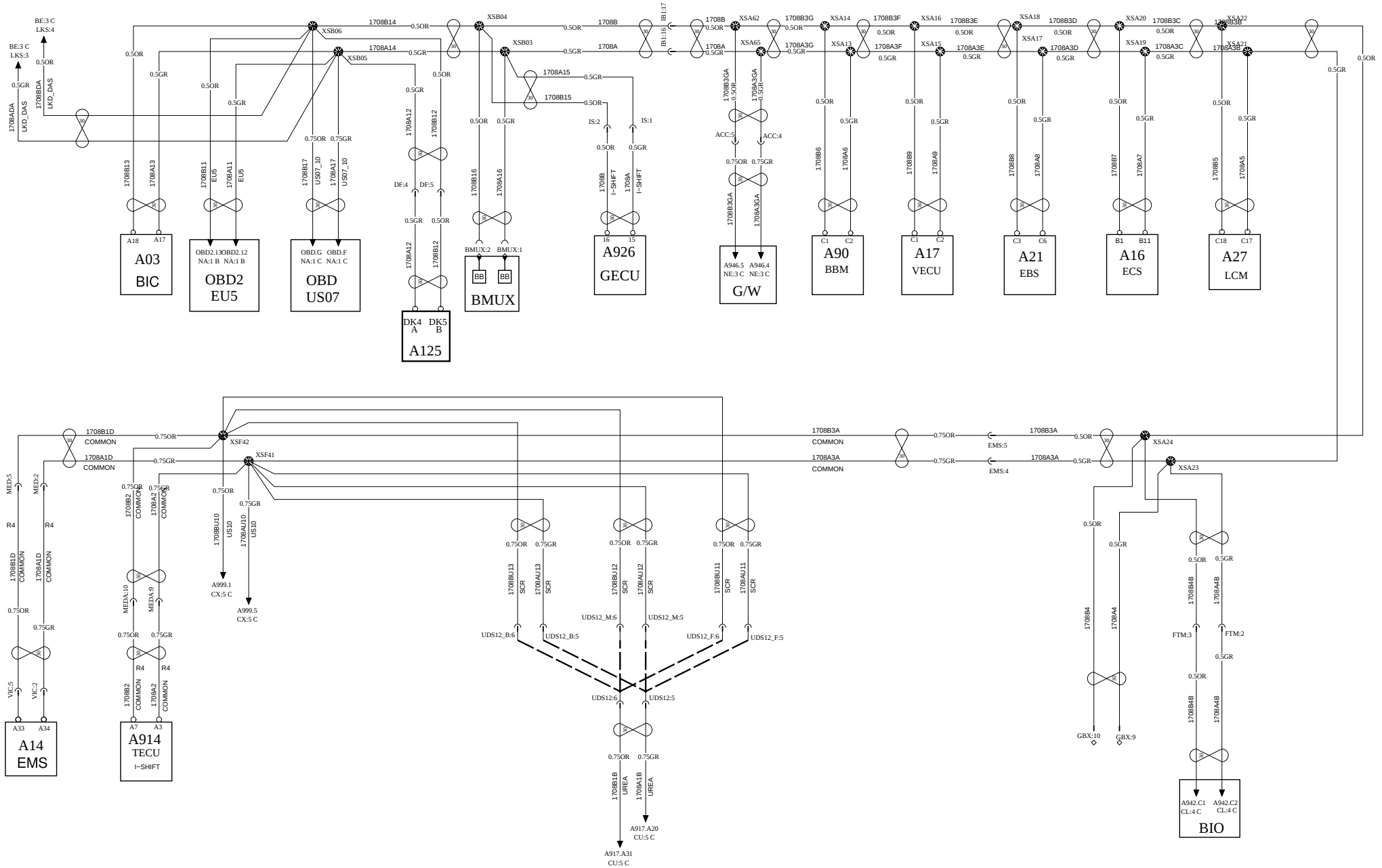
## CAN SAE 1939

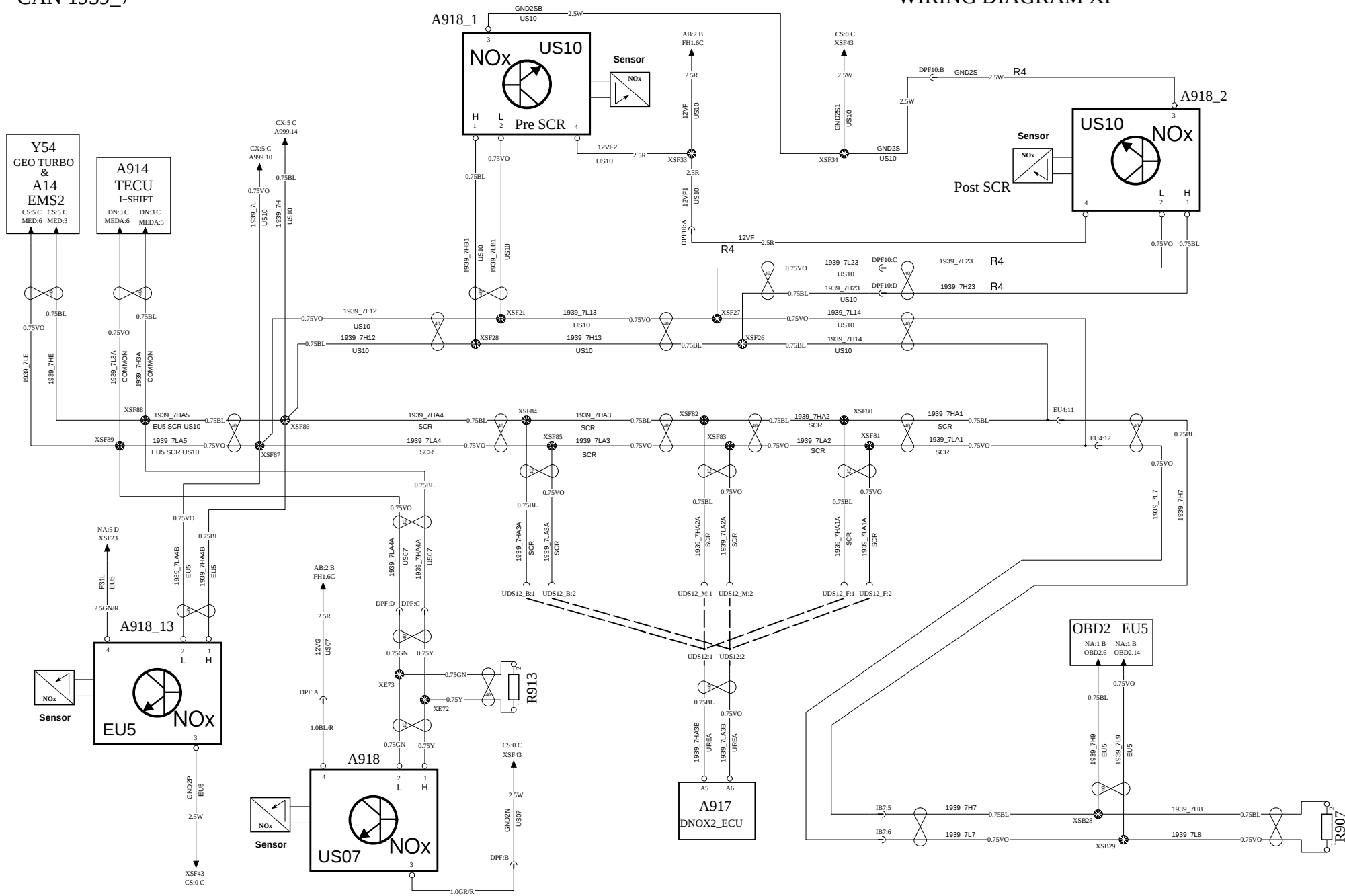
## WIRING DIAGRAM XC



## CAN SAE1587

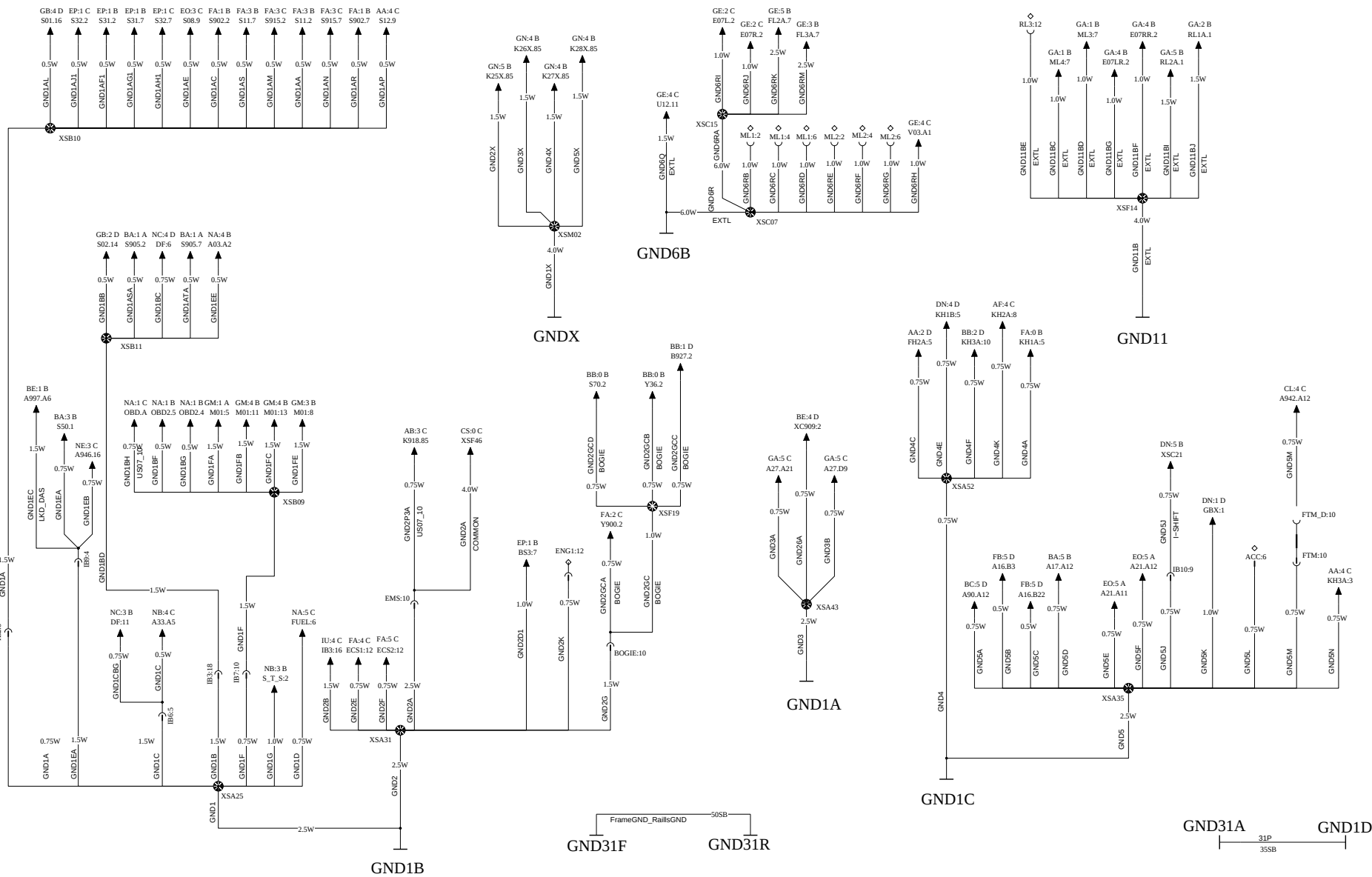
## WIRING DIAGRAM XD





## GROUND

## WIRING DIAGRAM ZC



## BILL OF MATERIAL/COMPONENT LIST

| Part Name | Description                                                      | Location                                                 | Part Type        |
|-----------|------------------------------------------------------------------|----------------------------------------------------------|------------------|
| +30:1     |                                                                  | {AB 3 D}                                                 | inline_connector |
| +B:1      |                                                                  | {AB 5 D}                                                 | inline_connector |
| 30UA:1    |                                                                  | {CU 1 B}                                                 | inline_connector |
| 30UB:1    |                                                                  | {CU 1 B}                                                 | inline_connector |
| A03       | Instrument cluster                                               | {NA 4 B}<br>{XC 5 C}<br>{XD 5 C}                         | componentSymbol  |
| A07       | Radio                                                            | {IU 4 B}                                                 | componentSymbol  |
| A14       | Control unit EMS                                                 | {XC 3 B}<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}                         | componentSymbol  |
| A19       | Control unit,GECU(gear selector ECU)                             | {DN 5 B}                                                 | componentSymbol  |
| A21       | EBS                                                              | {XC 1 C}<br>{EO 5 A}<br>{XD 1 C}<br>{EP 5 D}             | componentSymbol  |
| A26       | Control unite,ACC(Adaptive Cruise Control)                       | {BE 3 C}                                                 | componentSymbol  |
| A27       | LCM                                                              | {GA 5 C}<br>{GB 4 C}<br>{XD 1 D}                         | componentSymbol  |
| A30       | Control unite,SWM(Steering Wheel Module)                         | {IS 4 C}                                                 | componentSymbol  |
| A33       | TACHO                                                            | {NB 4 C}<br>{XC 2 C}                                     | componentSymbol  |
| A41       | Component group transmission.Contains B23,B06 and Y17.           | {DN 3 B}                                                 | componentSymbol  |
| A42       | Component group transmission.Contains B26, Y21,Y22, Y23 and Y26. | {DN 1 B}                                                 | componentSymbol  |
| A66       | Kamera LKS                                                       | {BE 5 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 3 C}<br>{AA 4 A}<br>{XD 2 C}<br>{BC 5 D} | componentSymbol  |

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| Part Name | Description                                    | Location                         | Part Type        |
|-----------|------------------------------------------------|----------------------------------|------------------|
| A124      |                                                | {AF 3 B}                         | componentSymbol  |
| A124.30B  |                                                | {AF 3 B}                         | componentSymbol  |
| A125      | Control unit, DYNAFLEET                        | {NC 4 B}<br>{XD 3 C}             | componentSymbol  |
| A914      | TECU                                           | {XC 2 A}<br>{DN 3 C}<br>{XD 5 B} | componentSymbol  |
| A917      | DNOX2_ECU                                      | {CU 5 C}<br>{XF 2 A}             | componentSymbol  |
| A918      | NOx-sensor                                     | {XF 4 A}                         | componentSymbol  |
| A918_1    | NOX-sensor                                     | {XF 3 D}                         | componentSymbol  |
| A918_2    | NOX-sensor                                     | {XF 1 D}                         | componentSymbol  |
| A918_13   | NOx-sensor                                     | {XF 4 B}                         | componentSymbol  |
| A926      | GearShift_ECU                                  | {XC 4 B}<br>{DN 5 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 |
| A997      |                                                | {BE 1 B}                         | componentSymbol  |
| A998      | DEF Pump                                       | {CX 4 D}                         | componentSymbol  |
| A999      | Aftertreat Ctr Mod.                            | {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 |
| ARTIC:5   |                                                | {BC 4 C}                         | inline_connector |
| ARTIC:6   |                                                | {BC 4 C}                         | inline_connector |
| ARTIC:10  |                                                | {BC 4 C}                         | inline_connector |
| AUDIO:1   |                                                | {NA 4 C}                         | inline_connector |
| AUDIO:2   |                                                | {NA 4 C}                         | inline_connector |
| AUDIO:3   |                                                | {IS 4 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  |
| 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  |

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| Part Name | Description                                                   | Location | Part Type       |
|-----------|---------------------------------------------------------------|----------|-----------------|
| 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 3 B} | componentSymbol |
| B30       | sensor chassis level rear axle RHS                            | {FB 2 B} | componentSymbol |
| B32       | Sensor,engine cooling fan speed                               | {CS 1 C} | componentSymbol |
| B32_10    |                                                               | {CS 1 C} | componentSymbol |
| B32_13    | Sensor Eng. cooling fan speed                                 | {CS 1 C} | 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 3 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 |
| B66       |                                                               | {CL 3 A} | componentSymbol |
| B69C      | Sensor,coolant temperature, retarder                          | {DN 3 B} | componentSymbol |
| B84       | Air humidity                                                  | {CS 2 C} | 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 |
| B922      | Sensor_temp_downstream_scr_t_DNOX2                            | {CL 4 B} | componentSymbol |
| B923      | Sensor_temp/level_adblue_tank_SCRT_DNOX2                      | {CU 2 B} | componentSymbol |
| B923_10   | temp/level DEF tank                                           | {CX 3 D} | componentSymbol |
| B927      | Sensor Hydr.oil press                                         | {BB 1 D} | 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 |
| B943      | sensor_wheel_speed_A/B_L                                      | {EP 3 B} | componentSymbol |
| B949      | Last trailer air brake pressure sensor (biartic)              | {CL 3 A} | componentSymbol |
| B973      | Fire Sensor, 150    C                                         | {BB 4 C} | componentSymbol |
| B974      | Fire sensor                                                   | {BB 4 C} | componentSymbol |
| B975      | Fire sensor                                                   | {BB 4 C} | componentSymbol |
| B977      | Sensor, brake pressure                                        | {NA 5 A} | componentSymbol |
| B978      | Sensor, brake pressure                                        | {NA 5 A} | componentSymbol |

|                                                                                                                     |                          |             |               |              |
|---------------------------------------------------------------------------------------------------------------------|--------------------------|-------------|---------------|--------------|
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|                                                                                                                     | <b>WIRING DIAGRAM</b>    |             |               |              |
|                                                                                                                     | Document Type            |             |               |              |
|                                                                                                                     | <b>PRODUCT SCHEMATIC</b> |             |               |              |
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| Part Name | Description                        | Location | Part Type        |
|-----------|------------------------------------|----------|------------------|
| B979      | Parking brake pressure             | {BB 3 B} | componentSymbol  |
| B980      | Auxilliary pressure                | {BB 3 B} | componentSymbol  |
| B985      | Fire sensor 4, D13                 | {BB 4 D} | componentSymbol  |
| B985_07   | Fire Sensor                        | {BB 4 D} | componentSymbol  |
| B986      | Fire sensor 5, D13                 | {BB 4 C} | componentSymbol  |
| B991      | Temp. cat upstream                 | {CS 2 A} | componentSymbol  |
| B991_10   | temp. DPF                          | {CX 2 C} | componentSymbol  |
| B992      | Temp. cat downstream               | {CS 2 A} | componentSymbol  |
| B992_10   | temp. DPF                          | {CX 2 C} | componentSymbol  |
| B993      | Temp. DPF                          | {CS 1 A} | componentSymbol  |
| B993_10   | temp. DPF                          | {CX 1 C} | componentSymbol  |
| B995      | DPF diff press.                    | {CS 1 A} | componentSymbol  |
| B995_10   | DPF delta press                    | {CX 3 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                            | {BC 2 A} | inline_connector |
| BB2:6     | D-CAN L                            | {BC 2 A} | inline_connector |
| BB2:7     | Horn(contacts steering wheelside)  | {IS 1 B} | inline_connector |
| BB2:8     | Horn supply                        | {IS 2 D} | inline_connector |
| BB2:9     | Horn (contacts steer.wheel centre) | {IS 2 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 |
| 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 |

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|-----------|------------------------------------------------------|----------|------------------|
| BB3:12    | +15 ignition(fuse F29)                               | {BB 3 D} | inline_connector |
| BB4:1     | Glass heating                                        | {BC 2 C} | inline_connector |
| BB4:2     | Host call                                            | {BC 2 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                                      | {GB 4 B} | inline_connector |
| BB5:6     | Additional main beam                                 | {GB 2 C} | inline_connector |
| BB5:7     | End-outline maker,side marker,position lamps.Left    | {GB 4 B} | inline_connector |
| BB5:8     | End-outline marker,side marker, position lamps.Right | {GB 1 B} | inline_connector |
| BB5:9     | Main beam 2. Left                                    | {GB 3 B} | inline_connector |
| BB5:10    | Main beam 2.Right                                    | {GB 2 B} | inline_connector |
| BB5:11    | Main beam 1.Left                                     | {GB 3 B} | inline_connector |
| BB5:12    | Main beam 1.Right                                    | {GB 2 B} | inline_connector |
| BB6:1     | Starter inhibitor, engine hatch                      | {BC 3 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 |

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| 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,sidemarkers lamps.Rear left  | {GA 1 C} | inline_connector |
| BB7:10    | End-outline marker,side marker lamps.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 2 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 D} | inline_connector |
| BB13:3    | AC compressor 3                                 | {CL 4 D} | 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 B} | inline_connector |
| BB13:7    | AC compressor 3                                 | {CL 2 B} | inline_connector |
| BBOX1A:1  |                                                 | {AA 1 C} | inline_connector |
| BBOX1A:2  |                                                 | {AA 1 C} | inline_connector |
| BBOX1A:3  |                                                 | {AA 0 C} | inline_connector |
| BBOX1B:1  |                                                 | {AA 1 B} | inline_connector |
| BBOX1B:2  |                                                 | {AA 1 B} | inline_connector |
| BBOX1B:3  |                                                 | {AA 0 B} | inline_connector |
| BBOX:1    |                                                 | {AA 4 A} | inline_connector |
| BBOX:2    |                                                 | {AB 4 C} | inline_connector |
| BBOX:3    |                                                 | {NB 4 D} | inline_connector |
| BFEED:1   |                                                 | {CU 5 D} | 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 D} | inline_connector |
| BOGIE:2   |                                                 | {FB 4 D} | inline_connector |
| BOGIE:3   |                                                 | {FA 1 B} | inline_connector |
| BOGIE:4   |                                                 | {FA 2 B} | inline_connector |

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| BOGIE:5   |             | {FA 2 B} | inline_connector |
| BOGIE:6   |             | {EP 4 C} | inline_connector |
| BOGIE:7   |             | {EP 4 C} | inline_connector |
| BOGIE:8   |             | {EP 4 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 |
| 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 D} | 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 D} | inline_connector |
| BS3:6     |             | {EP 1 D} | 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  |
| 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   |             | {XF 2 D} | inline_connector |
| DPF10:B   |             | {XF 2 D} | inline_connector |
| DPF10:C   |             | {XF 2 C} | inline_connector |
| DPF10:D   |             | {XF 2 C} | inline_connector |

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| DPF10:E     |                                | {CX 2 C} | inline_connector          |
| DPF10:F     |                                | {BB 4 D} | inline_connector          |
| DPF10:G     |                                | {BB 4 D} | inline_connector          |
| DPF10:J     |                                | {CX 3 C} | inline_connector          |
| DPF10:K     |                                | {CX 3 C} | inline_connector          |
| DPF10:L     |                                | {CX 2 B} | inline_connector          |
| DPF10:M     |                                | {CX 2 B} | inline_connector          |
| DPF:A       |                                | {XF 4 B} | inline_connector          |
| DPF:B       |                                | {XF 3 A} | inline_connector          |
| DPF:C       |                                | {XF 4 B} | inline_connector          |
| DPF:D       |                                | {XF 4 B} | inline_connector          |
| DPF:E       |                                | {CS 1 B} | inline_connector          |
| DPF:F       |                                | {CS 1 B} | inline_connector          |
| DPF:G       |                                | {CS 2 B} | inline_connector          |
| DPF:H       |                                | {CS 1 B} | inline_connector          |
| DPF:J       |                                | {CS 1 B} | inline_connector          |
| DPF:K       |                                | {CS 1 B} | inline_connector          |
| E07L        | Fog light left                 | {GE 2 C} | componentSymbol           |
| E07LR       | Fog light left rear            | {GA 4 B} | componentSymbol           |
| E07R        | Fog light right                | {GE 2 C} | 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 1 A} | global_terminal_connector |
| earth23_94  |                                | {GA 4 B} | global_terminal_connector |
| earth38_72  |                                | {GA 4 B} | global_terminal_connector |
| ECS1:1      |                                | {FA 4 B} | inline_connector          |

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| 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 D} | inline_connector |
| ECS1:7    |             | {FB 2 C} | inline_connector |
| ECS1:8    |             | {FB 5 C} | inline_connector |
| ECS1:9    |             | {FB 5 C} | inline_connector |
| ECS1:10   |             | {FB 2 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 D} | inline_connector |
| ECS2:5    |             | {FB 4 D} | inline_connector |
| ECS2:6    |             | {FB 2 D} | inline_connector |
| ECS2:7    |             | {FB 3 C} | inline_connector |
| ECS2:8    |             | {FB 5 D} | inline_connector |
| ECS2:9    |             | {FB 4 D} | 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 |
| ENG1:9    |             | {AF 1 C} | inline_connector |
| ENG1:10   |             | {NA 0 C} | inline_connector |
| ENG1:11   |             | {NA 5 C} | inline_connector |
| ENG1:12   |             | {ZC 3 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 |

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|-----------|---------------------------------------------------------|----------|-----------------|
| 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 2 D} | componentSymbol |
| F7        | Gearbox ECU I-shift, 10A                                | {DN 4 D} | componentSymbol |
| F8        | Gear selector ,I-Shift,5A                               | {DN 4 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 2 D} | componentSymbol |
| F25       | Washer motor, 15A                                       | {GM 4 D} | componentSymbol |
| F26       | ECS,5A                                                  | {FA 0 D} | componentSymbol |
| F28       | Retarder, 10A                                           | {DN 5 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 |
| 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 waterseparator, 5A                  | {BB 0 D} | componentSymbol |
| F54       | Engine/Luggage hatch,5A                                 | {GA 3 D} | componentSymbol |
| F55       | Engine brake valve, Preheat relay, Fan speed clutch,10A | {BA 4 D} | componentSymbol |
| F56       | Engine brake, 10A                                       | {BA 4 D} | componentSymbol |

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| F57       | Key switch,5A                | {AA 4 D} | componentSymbol  |
| F61       | Light, luggage room,10A      | {GA 3 D} | componentSymbol  |
| F63       |                              | {CL 1 D} | 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  |
| 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  |
| FEED:1    |                              | {BA 5 D} | inline_connector |
| FEEDX:1   |                              | {GN 4 D} | inline_connector |
| FH1       | FuseHolder 12V               | {AB 2 B} | componentSymbol  |
| FH1A:1    |                              | {DN 4 C} | inline_connector |
| FH1A:2    |                              | {DN 4 C} | inline_connector |
| FH1A:3    |                              | {DN 4 D} | inline_connector |
| FH1A:6    |                              | {IS 2 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 |
| FH2A:6    |                              | {NA 2 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 5 D} | inline_connector |
| FH2B:5    |                              | {AA 2 D} | inline_connector |

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| 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: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  |
| FL2:11    |                         | {GB 5 D} | inline_connector |
| FL2A      | Front light, L          | {GE 5 B} | componentSymbol  |
| FL3:11    |                         | {GB 5 D} | inline_connector |
| FL3A      | Front light, R          | {GE 3 B} | componentSymbol  |
| FTM:2     |                         | {XD 0 B} | inline_connector |
| FTM:3     |                         | {XD 0 B} | inline_connector |
| FTM:4     |                         | {BC 2 C} | inline_connector |
| FTM:5     |                         | {BC 2 C} | inline_connector |
| FTM:6     |                         | {BC 2 B} | inline_connector |
| FTM:7     |                         | {BC 2 B} | inline_connector |
| FTM:9     |                         | {AA 2 D} | inline_connector |
| FTM:10    |                         | {ZC 1 B} | inline_connector |
| FTM_D:1   |                         | {CL 3 D} | inline_connector |
| FTM_D:4   |                         | {BC 2 C} | inline_connector |
| FTM_D:5   |                         | {BC 2 C} | inline_connector |

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| FTM_D:7   |                   | {BC 2 B} | inline_connector |
| FTM_D:10  |                   | {ZC 1 B} | inline_connector |
| FTM_J:4   |                   | {BC 2 C} | inline_connector |
| FTM_J:5   |                   | {BC 2 C} | inline_connector |
| FTM_J:6   |                   | {BC 2 B} | inline_connector |
| FTM_J:7   |                   | {BC 2 B} | 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 D} | inline_connector |
| G01       | Battery           | {AB 5 B} | componentSymbol  |
| G01.B     |                   | {AC 3 B} | componentSymbol  |
| G01B      | Battery           | {AB 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  |
| GBX:1     |                   | {DN 1 D} | inline_connector |
| GBX:2     |                   | {DN 3 D} | inline_connector |
| GBX:7     |                   | {XC 0 B} | inline_connector |
| GBX:8     |                   | {XC 0 B} | 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  |
| GND1UA:1  |                   | {CU 2 A} | inline_connector |
| GND1UB:1  |                   | {CU 2 A} | inline_connector |
| GND2A     |                   | {AF 2 A} | componentSymbol  |
| GND2B     |                   | {AF 2 A} | componentSymbol  |

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| GND6      |                | {GB 5 B} | componentSymbol  |
| GND6B     |                | {ZC 3 C} | componentSymbol  |
| GND11     |                | {ZC 1 C} | componentSymbol  |
| GND31A    |                | {ZC 1 A} | componentSymbol  |
| GND31B    |                | {AB 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 3 C} | componentSymbol  |
| H01       | Air,Operated   | {IS 2 C} | componentSymbol  |
| H02       | Diaphragm horn | {IS 1 C} | componentSymbol  |
| IB1:1     |                | {NA 2 D} | inline_connector |
| IB1:2     |                | {NA 2 B} | inline_connector |
| 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 |
| IB1:12    |                | {NA 4 C} | inline_connector |
| IB1:13    |                | {NA 4 C} | inline_connector |
| IB1:14    |                | {XC 4 D} | inline_connector |
| IB1:15    |                | {XC 4 D} | inline_connector |
| IB1:16    |                | {XD 2 D} | inline_connector |
| IB1:17    |                | {XD 2 D} | inline_connector |
| IB1:18    |                | {NA 2 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 3 B} | inline_connector |
| IB2:5     |                | {NA 4 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 2 B} | inline_connector |
| IB2:12    |                | {IS 1 B} | inline_connector |
| IB2:13    |                | {EP 2 C} | inline_connector |
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| 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 |
| 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     |             | {GB 4 B} | 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 |
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| IB6:1     |             | {NB 4 D} | inline_connector |
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| 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 2 A} | inline_connector |
| IB7:6     |             | {XF 2 A} | 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 |
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| IB9:1     |             | {BA 3 B} | 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 5 C} | inline_connector |
| IB10:2    |                              | {GA 2 C} | inline_connector |
| IB10:3    |                              | {BB 4 B} | inline_connector |
| IB10:8    |                              | {DN 4 C} | inline_connector |
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| IB10:10   |                              | {DN 5 C} | inline_connector |
| IB10_I:1  |                              | {DN 5 C} | inline_connector |
| IB10_I:8  |                              | {DN 4 C} | inline_connector |
| IB10_I:10 |                              | {DN 5 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 4 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 D} | 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  |
| K902      |                              | {CU 3 B} | componentSymbol  |
| K903      |                              | {CU 3 B} | componentSymbol  |
| K908      |                              | {CU 4 B} | componentSymbol  |
| K909      |                              | {CU 2 B} | componentSymbol  |
| K911      | Relay, DRL Light             | {GE 4 D} | componentSymbol  |
| K917      | Relay 12V I-shift            | {DN 3 D} | componentSymbol  |
| K918      | Relay 12V EMS2               | {AB 3 C} | componentSymbol  |
| K925      | Relay, Voltage guard         | {AA 1 C} | componentSymbol  |
| K997      | Relay DACU - Vibr.Chair      | {BE 2 B} | componentSymbol  |
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| KH1A:4    |             | {CL 2 C} | inline_connector |
| KH1A:5    |             | {FA 0 B} | inline_connector |
| KH1A:7    |             | {CL 2 C} | inline_connector |
| KH1A:10   |             | {CL 2 C} | inline_connector |
| KH1A:11   |             | {CL 2 C} | inline_connector |
| KH1B:1    |             | {DN 4 D} | inline_connector |
| KH1B:2    |             | {DN 4 D} | inline_connector |
| KH1B:3    |             | {DN 4 D} | inline_connector |
| KH1B:5    |             | {DN 4 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 |
| 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 |
| LKS:1     |             | {BE 3 C} | inline_connector |
| LKS:2     |             | {BE 3 C} | inline_connector |

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| LKS:3     |                         | {BE 3 C} | inline_connector |
| LKS:4     |                         | {BE 3 C} | inline_connector |
| LKS:5     |                         | {BE 3 C} | inline_connector |
| LKS:6     |                         | {BE 4 C} | inline_connector |
| LKS:7     |                         | {BE 5 D} | inline_connector |
| LKS:8     |                         | {BE 2 B} | inline_connector |
| LT:5      |                         | {CL 3 B} | inline_connector |
| LT:6      |                         | {CL 3 B} | inline_connector |
| LT:7      |                         | {CL 3 B} | 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} | inline_connector |
| MED:3     |                         | {CS 5 C} | inline_connector |
| MED:4     |                         | {XC 3 B} | inline_connector |
| MED:5     |                         | {XD 5 B} | 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 D} | inline_connector |
| MED:15    |                         | {CS 5 C} | inline_connector |
| MED:16    |                         | {BB 4 B} | inline_connector |
| MED:17    |                         | {AF 1 C} | inline_connector |
| MED:18    |                         | {CS 3 C} | inline_connector |
| MED:19    |                         | {CS 2 C} | inline_connector |
| MED:20    |                         | {CS 1 C} | inline_connector |
| MED:21    |                         | {CS 3 C} | inline_connector |
| MED:22    |                         | {CS 2 C} | inline_connector |
| MED:24    |                         | {CS 2 B} | inline_connector |
| MED:25    |                         | {CS 4 C} | inline_connector |

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|-----------|-------------|----------|------------------|
| MED:26    |             | {CS 3 C} | inline_connector |
| MED:27    |             | {CS 0 C} | inline_connector |
| MED:28    |             | {CS 4 C} | inline_connector |
| MED:29    |             | {CS 3 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 3 B} | inline_connector |
| MED:35    |             | {AF 4 B} | inline_connector |
| MED:36    |             | {CS 3 B} | inline_connector |
| MED:37    |             | {CS 3 C} | inline_connector |
| MED:38    |             | {CS 2 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    |             | {DN 3 C} | inline_connector |
| MEDA:6    |             | {DN 3 C} | 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   |             | {DN 3 C} | inline_connector |
| MEDA:12   |             | {DN 1 C} | inline_connector |
| ML1:1     |             | {GB 4 A} | inline_connector |
| ML1:2     |             | {ZC 3 D} | inline_connector |
| ML1:3     |             | {GE 5 B} | inline_connector |
| ML1:4     |             | {ZC 2 D} | inline_connector |
| ML1:5     |             | {GE 5 B} | inline_connector |
| 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 |

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|-----------|------------------------------|----------|------------------|
| 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 |
| OBD       |                              | {NA 1 C} | componentSymbol  |
| OBD2      |                              | {NA 1 B} | 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  |
| R37       | Terminator 1939_6            | {BE 4 C} | componentSymbol  |
| R904      | Resistor_DBUS                | {CL 3 D} | componentSymbol  |
| R905      | Heated_Hose_Suction_Line     | {CU 4 B} | componentSymbol  |
| R905_US   | suction_line                 | {CX 4 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 4 B} | componentSymbol  |
| R906_US   | Pressure_line                | {CX 3 A} | componentSymbol  |
| R906A:1   |                              | {CU 4 B} | inline_connector |
| R906A:2   |                              | {CU 4 B} | inline_connector |
| R906B:1   |                              | {CU 4 B} | inline_connector |
| R906B:2   |                              | {CU 3 B} | inline_connector |
| R906C:1   |                              | {CU 3 B} | inline_connector |
| R906C:2   |                              | {CU 4 B} | inline_connector |
| R907      |                              | {XF 0 A} | 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 |
| R911      |                              | {CL 4 B} | componentSymbol  |

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| Part Name | Description                                    | Location             | Part Type        |
|-----------|------------------------------------------------|----------------------|------------------|
| R913      | CAN2 termination US07                          | {XF 3 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 3 C}             | inline_connector |
| 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 D}             | 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 2 A}             | componentSymbol  |
| S14B      | Switch, push button, Air horn                  | {IS 1 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 1 A}             | componentSymbol  |
| S24       | stalk_switch_retarder                          | {BA 1 D}             | componentSymbol  |

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| Part Name      | Description                                                            | Location | Part Type                 |
|----------------|------------------------------------------------------------------------|----------|---------------------------|
| S31            | Switch, TCS ( Traction Control System )                                | {EP 1 B} | componentSymbol           |
| S32            | Brake hold                                                             | {EP 1 C} | componentSymbol           |
| S34            | Switch unit, steering wheel push buttons                               | {IS 5 C} | componentSymbol           |
| S40            | Switch, battery main switch                                            | {AA 5 C} | 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 C} | 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           |
| S202           | Switch DACU                                                            | {BE 5 C} | componentSymbol           |
| S901           | eng_stop_rear                                                          | {AA 1 B} | componentSymbol           |
| S902           | switch leveling                                                        | {FA 1 B} | componentSymbol           |
| 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_enable_rear                                                  | {AA 1 B} | componentSymbol           |
| S915           | Switch,kneeling                                                        | {FA 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          |
| SP_F:1         |                                                                        | {CL 1 D} | inline_connector          |
| SP_F:2         |                                                                        | {CL 0 D} | inline_connector          |
| SP_F:3         |                                                                        | {CL 0 D} | inline_connector          |
| SP_F:4         |                                                                        | {CL 0 D} | inline_connector          |
| SP_RR:1        |                                                                        | {CL 1 C} | inline_connector          |
| SP_RR:2        |                                                                        | {CL 0 C} | inline_connector          |
| SP_RR:3        |                                                                        | {CL 0 C} | inline_connector          |
| SP_RR:4        |                                                                        | {CL 0 C} | inline_connector          |
| splice180_2692 |                                                                        | {CS 1 A} | physical_splice_connector |
| sym211_54      |                                                                        | {BC 1 C} | componentSymbol           |
| sym211_67      |                                                                        | {BA 5 B} | componentSymbol           |
| sym212_54      |                                                                        | {BC 1 C} | componentSymbol           |
| sym213_54      |                                                                        | {BC 2 C} | componentSymbol           |
| sym214_54      |                                                                        | {BC 2 A} | componentSymbol           |
| sym214_67      |                                                                        | {BA 4 A} | componentSymbol           |
| sym215_54      |                                                                        | {BC 2 A} | componentSymbol           |
| sym215_67      |                                                                        | {BA 4 B} | componentSymbol           |
| sym216_54      |                                                                        | {BC 2 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           |

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| sym249_54   |             | {BB 2 C} | 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 D} | componentSymbol |
| sym267_155  |             | {CL 4 D} | 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 |
| 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 2 C} | componentSymbol |
| sym309_100  |             | {BC 1 C} | componentSymbol |
| sym311_112  |             | {AA 5 D} | componentSymbol |
| sym312_97   |             | {NA 3 B} | componentSymbol |
| sym313_97   |             | {NA 3 B} | componentSymbol |
| sym315_94   |             | {BC 2 C} | componentSymbol |
| sym316_100  |             | {BB 1 D} | componentSymbol |
| sym316_103  |             | {IS 2 B} | componentSymbol |
| sym317_97   |             | {NA 2 A} | componentSymbol |
| sym317_103  |             | {IS 1 B} | componentSymbol |
| sym318_100  |             | {IU 3 A} | componentSymbol |
| sym318_103  |             | {IS 2 D} | componentSymbol |
| sym319_100  |             | {IU 4 A} | componentSymbol |
| sym320_100  |             | {IU 4 C} | componentSymbol |
| sym320_103  |             | {IU 4 A} | componentSymbol |
| sym321_100  |             | {IU 3 C} | componentSymbol |
| sym321_103  |             | {IU 3 A} | componentSymbol |
| sym322_100  |             | {IU 5 C} | componentSymbol |
| sym322_103  |             | {IU 3 C} | componentSymbol |

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| sym324_103 |                                     | {IU 4 C} | componentSymbol  |
| sym326_103 |                                     | {IU 5 C} | componentSymbol  |
| sym344_163 |                                     | {XD 3 C} | componentSymbol  |
| sym345_163 |                                     | {XD 3 C} | componentSymbol  |
| sym366_553 |                                     | {AF 5 D} | componentSymbol  |
| sym414_10  |                                     | {CL 2 B} | componentSymbol  |
| sym415_10  |                                     | {CL 3 B} | componentSymbol  |
| sym534_114 |                                     | {CL 2 B} | componentSymbol  |
| T900       |                                     | {AC 3 B} | componentSymbol  |
| TRAIL2:5   |                                     | {CL 3 B} | inline_connector |
| TRAIL2:6   |                                     | {CL 3 B} | inline_connector |
| TRAIL2:7   |                                     | {CL 3 B} | inline_connector |
| 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 4 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 |
| 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 C} | inline_connector |
| UDS12_B:8  |                                     | {CU 3 D} | inline_connector |
| UDS12_B:9  |                                     | {CU 2 D} | inline_connector |
| UDS12_B:11 |                                     | {CU 5 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 C} | inline_connector |

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| 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 4 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 C} | 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 C} | componentSymbol  |
| V04        | Diod, Light         | {GE 4 C} | componentSymbol  |
| VBC159     | Main switch I-start | {AC 3 C} | componentSymbol  |
| VIC:1      |                     | {XC 3 B} | inline_connector |
| VIC:2      |                     | {XD 5 B} | inline_connector |
| VIC:3      |                     | {CS 5 B} | inline_connector |
| VIC:4      |                     | {XC 3 B} | inline_connector |
| VIC:5      |                     | {XD 5 B} | inline_connector |
| VIC:6      |                     | {CS 5 B} | inline_connector |
| VIC:7      |                     | {CS 4 B} | inline_connector |
| VIC:8      |                     | {CS 4 B} | 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 B} | inline_connector |
| VIC:14     |                     | {BB 4 C} | inline_connector |
| VIC:15     |                     | {CS 5 B} | inline_connector |
| VIC:16     |                     | {BB 4 B} | inline_connector |
| VIC:17     |                     | {AF 1 B} | inline_connector |
| VIC:18     |                     | {CS 3 B} | inline_connector |
| VIC:19     |                     | {CS 2 B} | inline_connector |
| VIC:20     |                     | {CS 1 B} | inline_connector |
| VIC:21     |                     | {CS 3 B} | inline_connector |
| VIC:22     |                     | {CS 2 B} | inline_connector |
| VIC:24     |                     | {CS 2 B} | inline_connector |
| VIC:25     |                     | {CS 4 B} | inline_connector |
| VIC:26     |                     | {CS 3 B} | inline_connector |
| VIC:27     |                     | {CS 0 B} | inline_connector |
| VIC:28     |                     | {CS 4 B} | inline_connector |
| VIC:29     |                     | {CS 3 B} | inline_connector |
| VIC:30     |                     | {CS 4 B} | inline_connector |
| VIC:31     |                     | {CS 0 B} | inline_connector |

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| VIC:32      |                                            | {CS 1 B}             | inline_connector |
| VIC:33      |                                            | {CS 1 B}             | inline_connector |
| VIC:34      |                                            | {CS 3 B}             | inline_connector |
| VIC:35      |                                            | {AF 3 B}             | inline_connector |
| VIC:36      |                                            | {CS 3 B}             | inline_connector |
| VIC:37      |                                            | {CS 3 B}             | inline_connector |
| VIC:38      |                                            | {CS 2 B}             | inline_connector |
| VIC:39      |                                            | {CS 0 B}             | inline_connector |
| X09         | Slip contact/Horne                         | {IS 1 B}             | componentSymbol  |
| X901        | Connector Battery +                        | {AB 1 A}             | componentSymbol  |
| X903        | VPDU Front with main relay and main switch | {AB 5 C}             | componentSymbol  |
| X904        | VPDU Rear with preheat relay               | {AB 1 D}<br>{AB 2 C} | componentSymbol  |
| X906        | EXTERNAL CHARGER OUTLET                    | {AB 5 B}             | componentSymbol  |
| 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 |
| XC908:4     |                                            | {BA 4 A}             | inline_connector |
| XC908:5     |                                            | {BE 1 B}             | inline_connector |
| XC908:6     |                                            | {BE 1 B}             | inline_connector |
| XC909:1     |                                            | {BE 3 D}             | inline_connector |
| XC909:2     |                                            | {BE 4 D}             | inline_connector |
| XC909:5     |                                            | {BE 1 C}             | inline_connector |
| XC909:6     |                                            | {BE 2 B}             | 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 5 C}             | inline_connector |
| XC927_1/2:2 |                                            | {GE 3 C}             | inline_connector |
| XC927_1:1   |                                            | {GE 5 D}             | inline_connector |
| XC927_1:2   |                                            | {GE 3 D}             | inline_connector |
| XC927_2:1   |                                            | {GE 5 D}             | inline_connector |

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| XC927_2:2 |                | {GE 3 D} | inline_connector          |
| XE72      |                | {XF 4 B} | physical_splice_connector |
| XE73      |                | {XF 4 B} | physical_splice_connector |
| XP004R.1  | Alternator G03 | {AF 2 B} | componentSymbol           |
| XSA01     |                | {XC 3 D} | physical_splice_connector |
| XSA02     |                | {XC 3 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 3 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 |
| 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 5 D} | physical_splice_connector |
| XSA59     |                | {BA 5 B} | physical_splice_connector |
| XSA60     |                | {NA 4 B} | physical_splice_connector |

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| 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     |             | {BC 2 C} | physical_splice_connector |
| XSA69     |             | {BC 2 C} | 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     |             | {IS 3 B} | physical_splice_connector |
| XSB08     |             | {IS 3 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 1 A} | physical_splice_connector |
| XSB29     |             | {XF 1 A} | physical_splice_connector |
| 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 2 C} | physical_splice_connector |
| XSB36     |             | {NA 4 B} | physical_splice_connector |
| XSB40     |             | {NA 1 C} | physical_splice_connector |
| XSC02     |             | {GE 3 C} | physical_splice_connector |
| XSC04     |             | {GE 5 C} | physical_splice_connector |
| XSC05     |             | {GE 4 B} | physical_splice_connector |
| XSC06     |             | {GE 2 C} | physical_splice_connector |
| XSC07     |             | {ZC 3 C} | physical_splice_connector |
| XSC15     |             | {ZC 3 D} | physical_splice_connector |

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| XSC16     |             | {GB 5 C} | physical_splice_connector |
| XSC21     |             | {DN 5 B} | physical_splice_connector |
| XSC95     |             | {CL 3 D} | physical_splice_connector |
| XSC96     |             | {CL 3 D} | physical_splice_connector |
| XSC97     |             | {CL 2 C} | physical_splice_connector |
| XSC98     |             | {CL 3 C} | physical_splice_connector |
| XSC99     |             | {CL 3 C} | 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 |
| XSF14     |             | {ZC 1 C} | physical_splice_connector |
| XSF15     |             | {CX 3 C} | physical_splice_connector |
| XSF16     |             | {CX 3 C} | physical_splice_connector |
| XSF17     |             | {CX 5 C} | physical_splice_connector |
| XSF18     |             | {CX 1 B} | physical_splice_connector |
| XSF19     |             | {ZC 3 B} | physical_splice_connector |
| XSF21     |             | {XF 3 C} | physical_splice_connector |
| XSF22     |             | {CU 4 D} | physical_splice_connector |
| XSF23     |             | {NA 5 D} | physical_splice_connector |
| XSF24     |             | {CX 3 B} | physical_splice_connector |
| XSF25     |             | {CX 4 B} | physical_splice_connector |
| XSF26     |             | {XF 2 C} | physical_splice_connector |
| XSF27     |             | {XF 2 C} | physical_splice_connector |
| XSF28     |             | {XF 3 C} | physical_splice_connector |
| XSF29     |             | {FB 4 C} | physical_splice_connector |
| XSF32     |             | {FB 5 B} | physical_splice_connector |
| XSF33     |             | {XF 2 D} | physical_splice_connector |
| XSF34     |             | {XF 2 D} | physical_splice_connector |
| XSF35     |             | {CX 2 D} | physical_splice_connector |
| XSF37     |             | {CX 2 C} | physical_splice_connector |
| XSF39     |             | {CX 4 B} | physical_splice_connector |
| XSF41     |             | {XD 4 C} | physical_splice_connector |
| XSF42     |             | {XD 4 C} | physical_splice_connector |
| XSF43     |             | {CS 0 C} | physical_splice_connector |
| XSF44     |             | {CS 2 D} | physical_splice_connector |
| XSF45     |             | {CS 2 D} | physical_splice_connector |
| XSF46     |             | {CS 0 C} | physical_splice_connector |
| XSF54     |             | {XC 2 B} | physical_splice_connector |
| XSF55     |             | {XC 2 B} | physical_splice_connector |
| XSF64     |             | {CL 3 B} | physical_splice_connector |
| XSF71     |             | {CU 1 B} | physical_splice_connector |
| XSF72     |             | {CU 5 A} | physical_splice_connector |
| XSF73     |             | {CU 5 A} | physical_splice_connector |
| XSF76     |             | {CU 5 C} | physical_splice_connector |

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| 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 |
| XSF87     |             | {XF 4 C} | physical_splice_connector |
| XSF88     |             | {XF 5 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 |
| XSF98     |             | {CS 3 C} | physical_splice_connector |
| XSF102    |             | {CU 2 D} | physical_splice_connector |
| XSF103    |             | {CU 2 D} | physical_splice_connector |

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