



**LR3**

# Electrical Circuit Diagrams

Publication Part No. LRL 18 38 53 501

Published by Land Rover

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**COLOUR CODES****DRAADKLEURCODES****CODICI COLORI DEI CAVI****CODES DES COULEURS DES FILS****CODIGOS DE COLORES DE LOS CABLES****KABELFARBCODES****CÓDIGOS DAS CORES DOS FIOS**

| CODE | COLOUR       | CODE | KLEUR       | CODE | COULEUR     | CODE | FARBE       | CODICE | COLORE           | CODIGO | COLOR          | CÓDIGO | COR          |
|------|--------------|------|-------------|------|-------------|------|-------------|--------|------------------|--------|----------------|--------|--------------|
| B    | BLACK        | B    | ZWART       | B    | NOIR        | B    | SCHWARZ     | B      | NERO             | B      | NEGRO          | B      | PRETO        |
| G    | GREEN        | G    | GROEN       | G    | VERT        | G    | GRÜN        | G      | VERDE            | G      | VERDE          | G      | VERDE        |
| K    | PINK         | K    | ROZE        | K    | ROSE        | K    | ROSA        | K      | ROSA             | K      | ROSA           | K      | ROSA         |
| LG   | LIGHT GREEN  | LG   | LICHTGROEN  | LG   | VERT CLAIR  | LG   | HELLGRÜN    | LG     | VERDE CHIARO     | LG     | VERDE CLARO    | LG     | VERDE CLARO  |
| N    | BROWN        | N    | BRUIN       | N    | BRUN        | N    | BRAUN       | N      | MARRONE          | N      | MARRON         | N      | CASTANHO     |
| O    | ORANGE       | O    | ORANJE      | O    | ORANGE      | O    | ORANGE      | O      | ARANCIONE        | O      | NARANJA        | O      | LARANJA      |
| P    | PURPLE       | P    | PAARS       | P    | VIOLET      | P    | LILA        | P      | PORPORA          | P      | PURPURA        | P      | ROXO         |
| R    | RED          | R    | ROOD        | R    | ROUGE       | R    | ROT         | R      | ROSSO            | R      | ROJO           | R      | VERMELHO     |
| S    | SLATE (grey) | S    | LEIGRIJS    | S    | GRIS        | S    | GRAU        | S      | ARDESIA (grigio) | S      | PIZARRO (gris) | S      | CINZENTO     |
| T    | TRANSPARENT  | T    | TRANSPARANT | T    | TRANSPARENT | T    | TRANSPARENT | T      | TRASPARENTE      | T      | TRANSPARENTE   | T      | TRANSPARENTE |
| U    | BLUE         | U    | BLAUW       | U    | BLEU        | U    | BLAU        | U      | BLU              | U      | AZUL           | U      | AZUL         |
| W    | WHITE        | W    | WIT         | W    | BLANC       | W    | WEISS       | W      | BIANCO           | W      | BLANCO         | W      | BRANCO       |
| Y    | YELLOW       | Y    | GEEL        | Y    | JAUNE       | Y    | GELB        | Y      | GIALLO           | Y      | AMARILLO       | Y      | AMARELO      |

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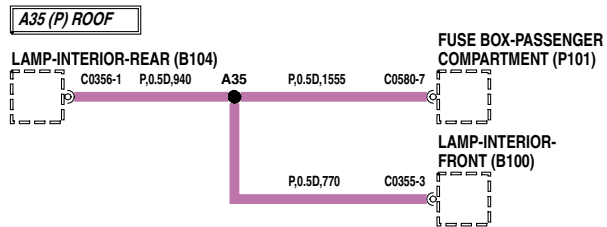
# HOW TO USE THE CIRCUIT DIAGRAMS

All of the information in this publication is intended for use in conjunction with the Electrical Library, which can be found on RAVE.

The circuit diagrams are presented with Power and Earth distribution first, followed by individual circuits for each electrical system on the vehicle.

## Power Distribution

The Power Distribution diagram shows the connections from the battery to the engine, passenger, and where applicable, rear fuse box. It also shows the internal circuitry of the fuse boxes.



M86 5963

The fuse box details are followed by independent functionally specific circuits and then a splices and centre taps section outlining the way in which internal harness splices and centre taps distribute power in the harnesses. This information should be used during diagnosis of electrical faults to check for symptoms in associated circuits and narrow down the search area.

## Earth Distribution

The earth distribution section comprises a number of Headers and Splices circuits. These are used in a similar manner to those in Power Distribution; to narrow the search area by checking for fault symptoms in associated circuits.

## Splices and centre taps

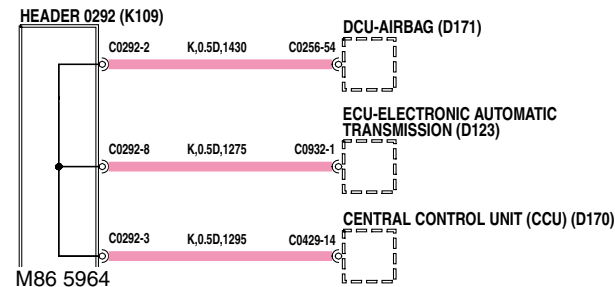
Header and splice tables present the joint(s) and wiring up to the first component. Splices are identified by a number with an alphabetical prefix and the wire colour.

The splice information shown on individual system circuits is not complete. Always refer to the splices circuit for complete information on each splice.

## Wire length (Power & Earth Distribution only)

The length of the wire is shown in millimetres. This can be used to locate internal harness splices; look for the shortest wire between the joint and connector. For example, it can be seen that C0580-7 is 1555mm from joint A35.

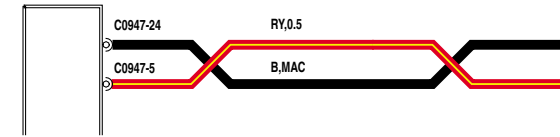
## Connectors



M86 5964

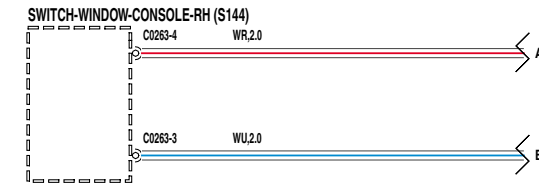
Header joints are identified by their corresponding connector number with a numbered suffix to indicate the pin-out detail of the wire, i.e. C0292-1 identifies connector 292, pin number 1. Wire insulation colour is identified in the normal way. Where wires have a predominant colour with a secondary colour tracer, the main colour is identified first, i.e. LGS - Light Green with a Slate tracer.

## Line Types



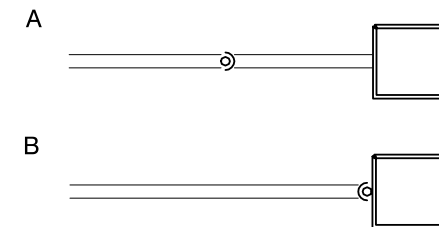
M86 5967

This denotes the wires are a twisted pair.



M86 5968

These page break symbols indicate the circuit continues on later pages.



86M4230A

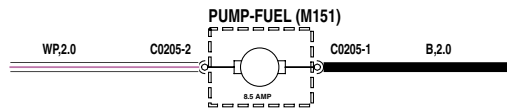
The cup and ball symbol indicates the male and female halves of connector.

A. Plug on lead (Flylead) wired directly to the component.

B. Connector plugs directly into component.

# HOW TO USE THE CIRCUIT DIAGRAMS

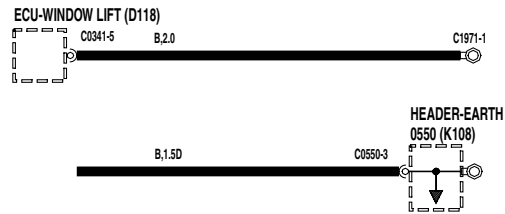
## Components



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The name or description of the component is shown. A dotted outline indicates that the component is not shown in its entirety.

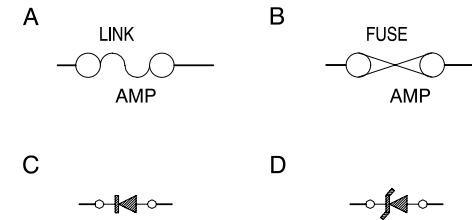
## Earth points



M86 5966

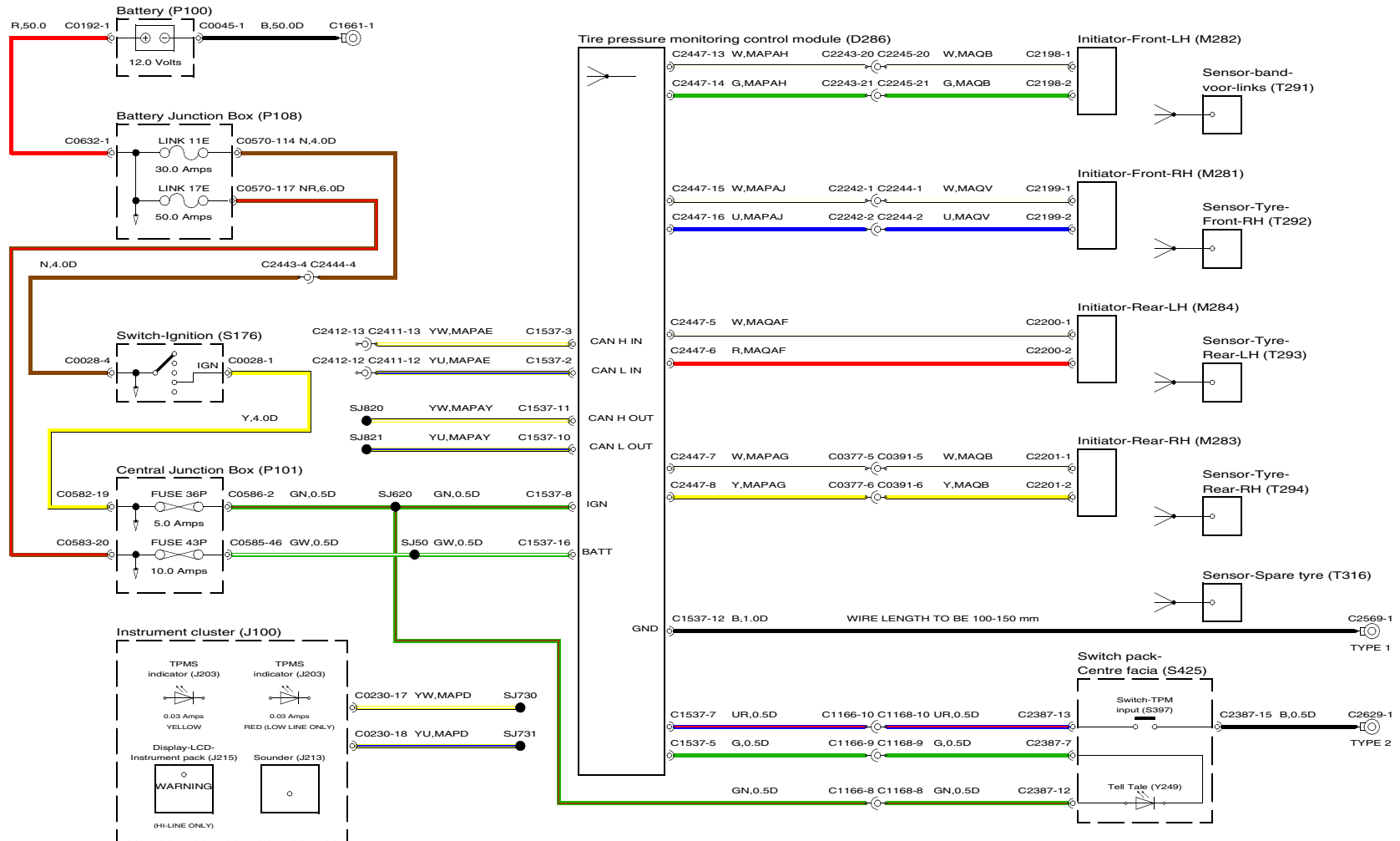
Earth points are identified with an eyelet symbol and a connector number, except where components are grounded through their fixings, when only the eyelet is shown.

## Fuses and Diodes

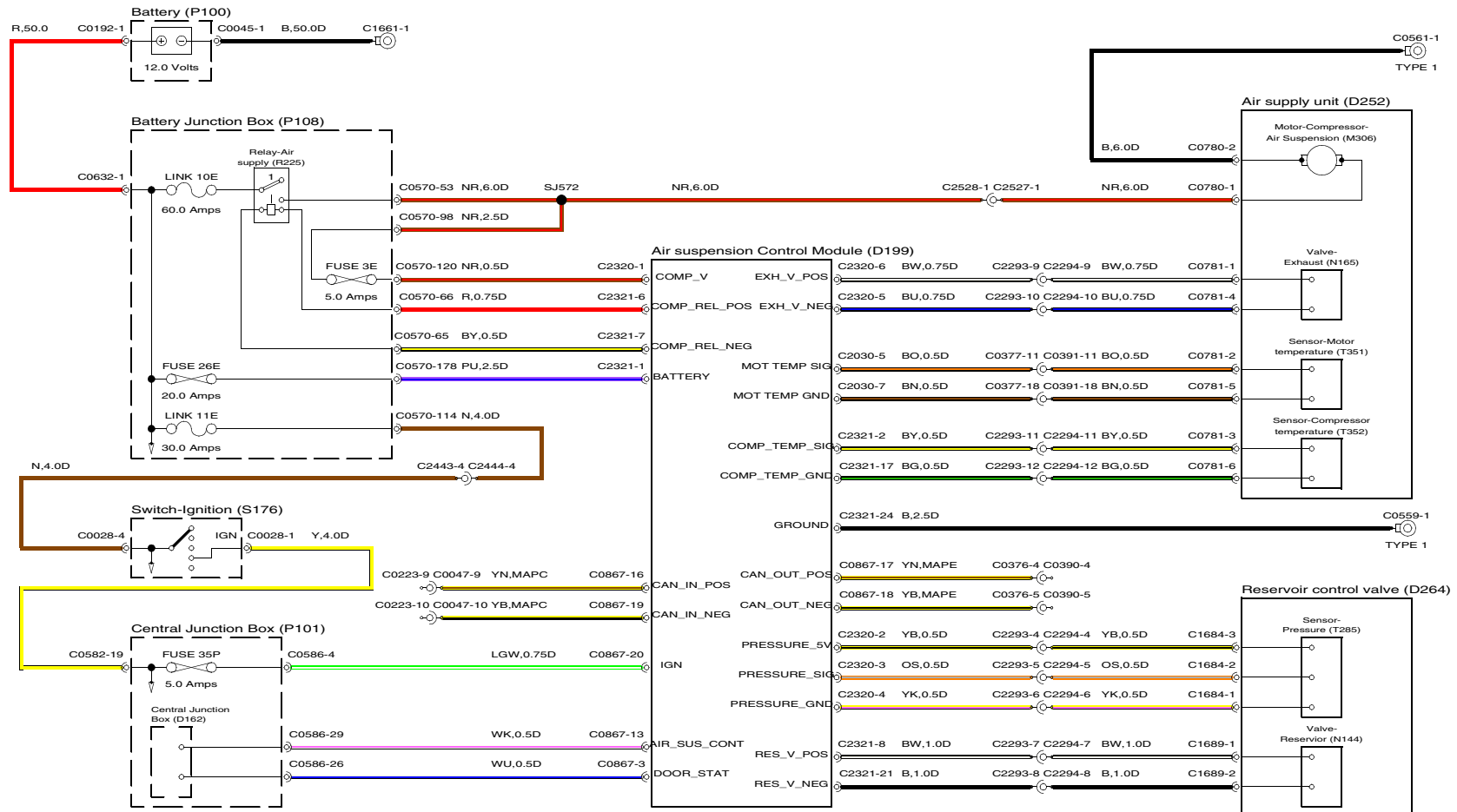


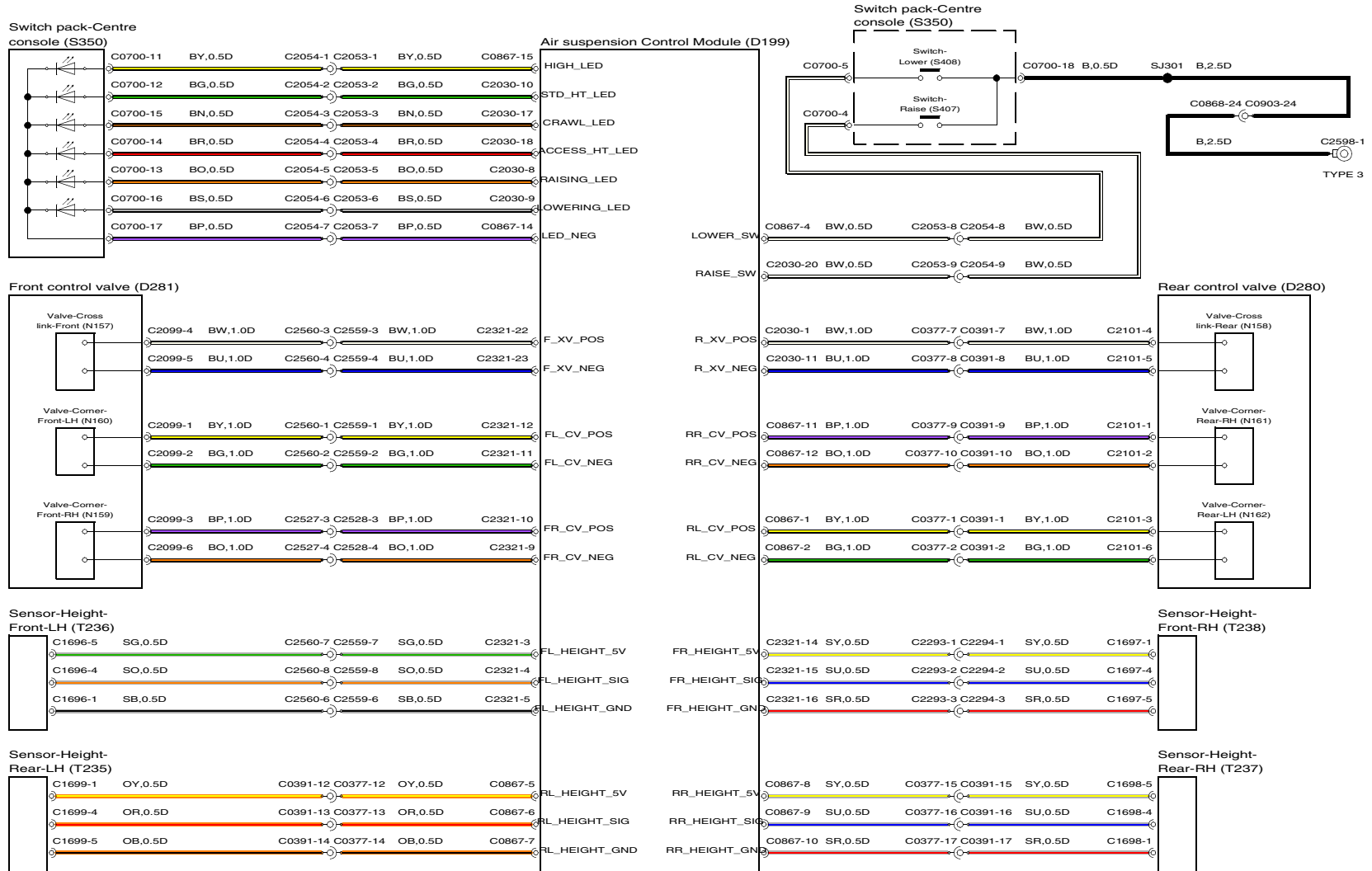
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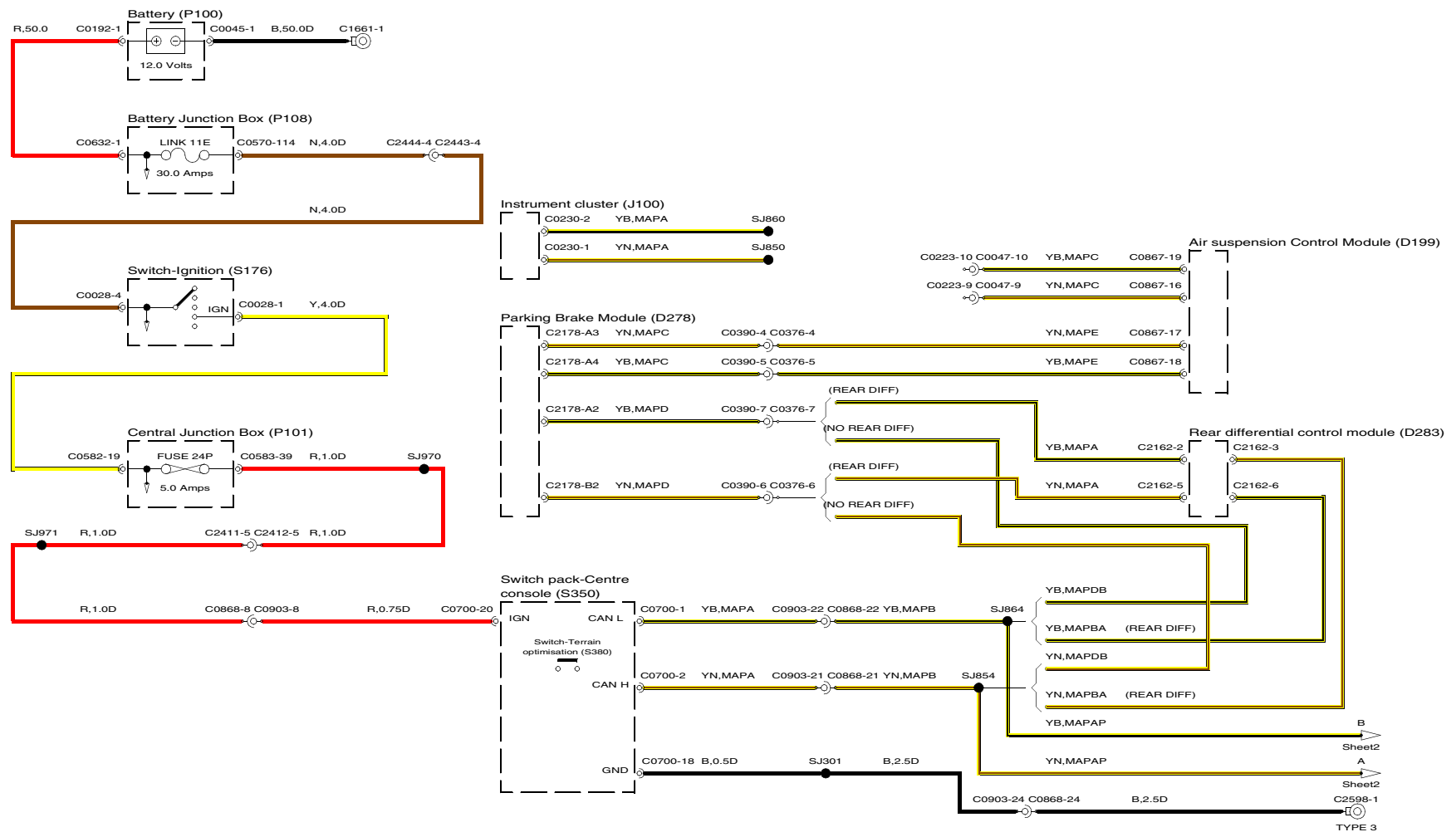
Fusible links (A) and current rated fuses (B) are identified as shown. The direction of the arrow in a Diode symbol (C) indicates the direction of current flow. The Zener diode (D) - prevents current flow until a precise voltage is reached.



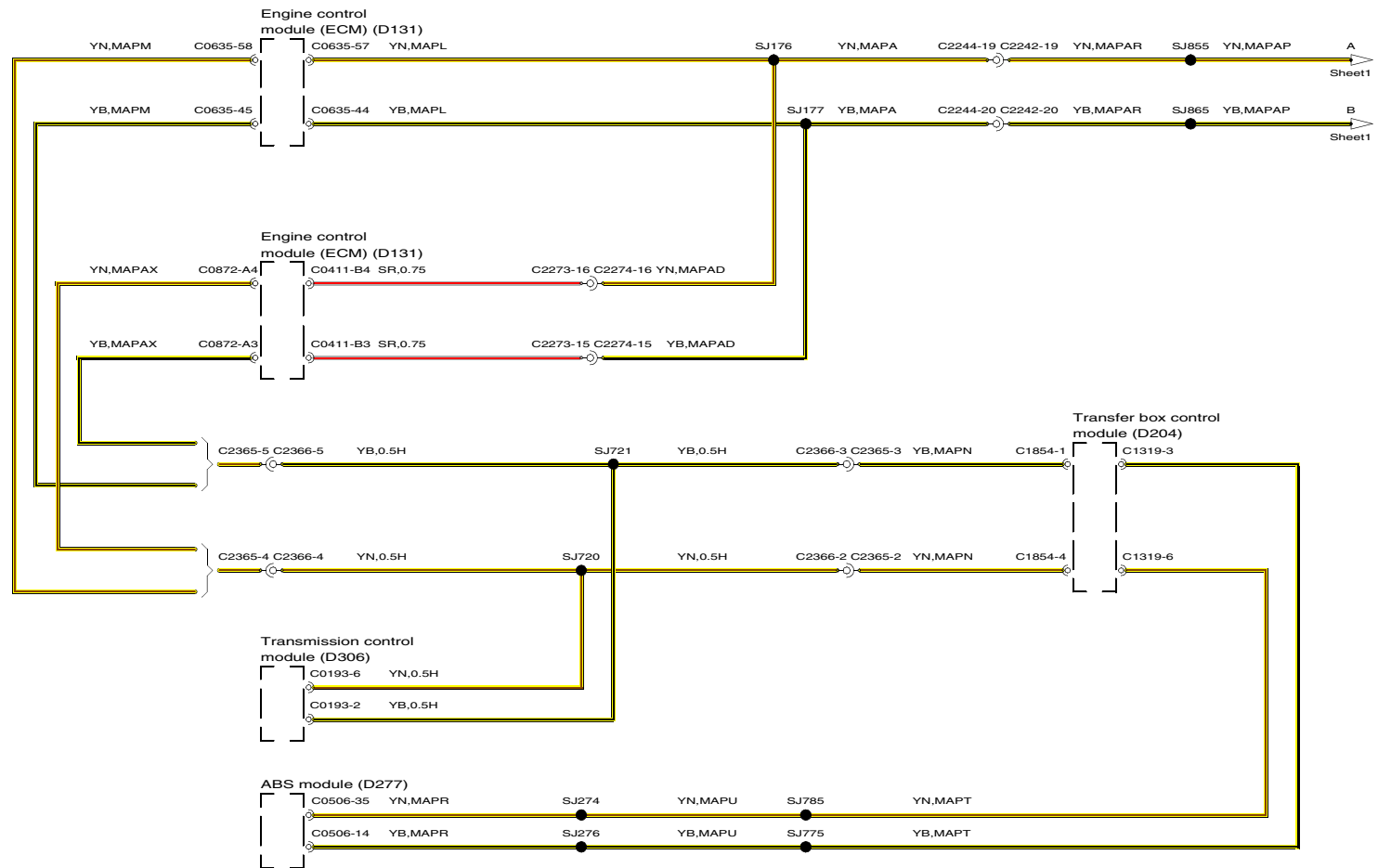


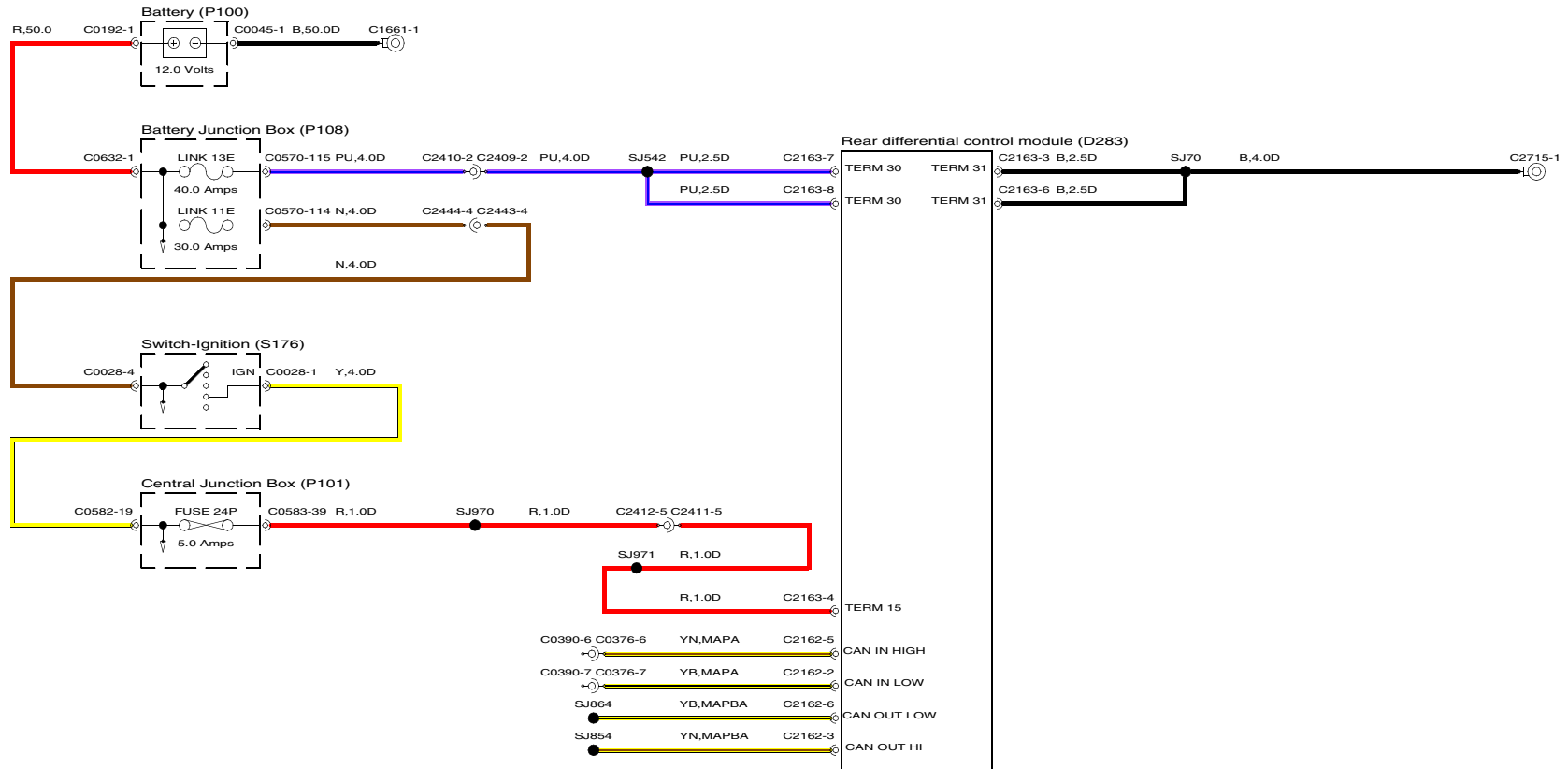






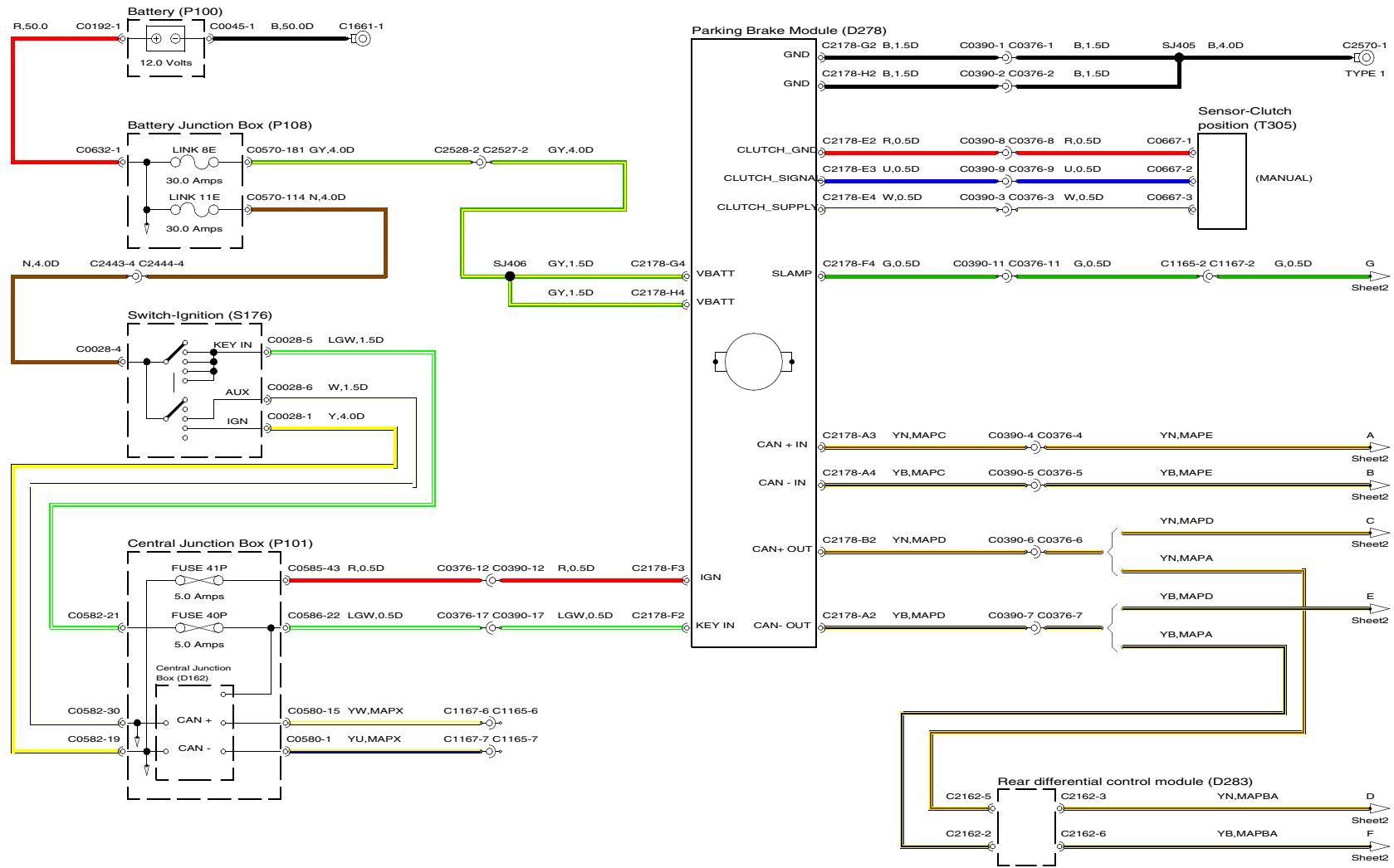




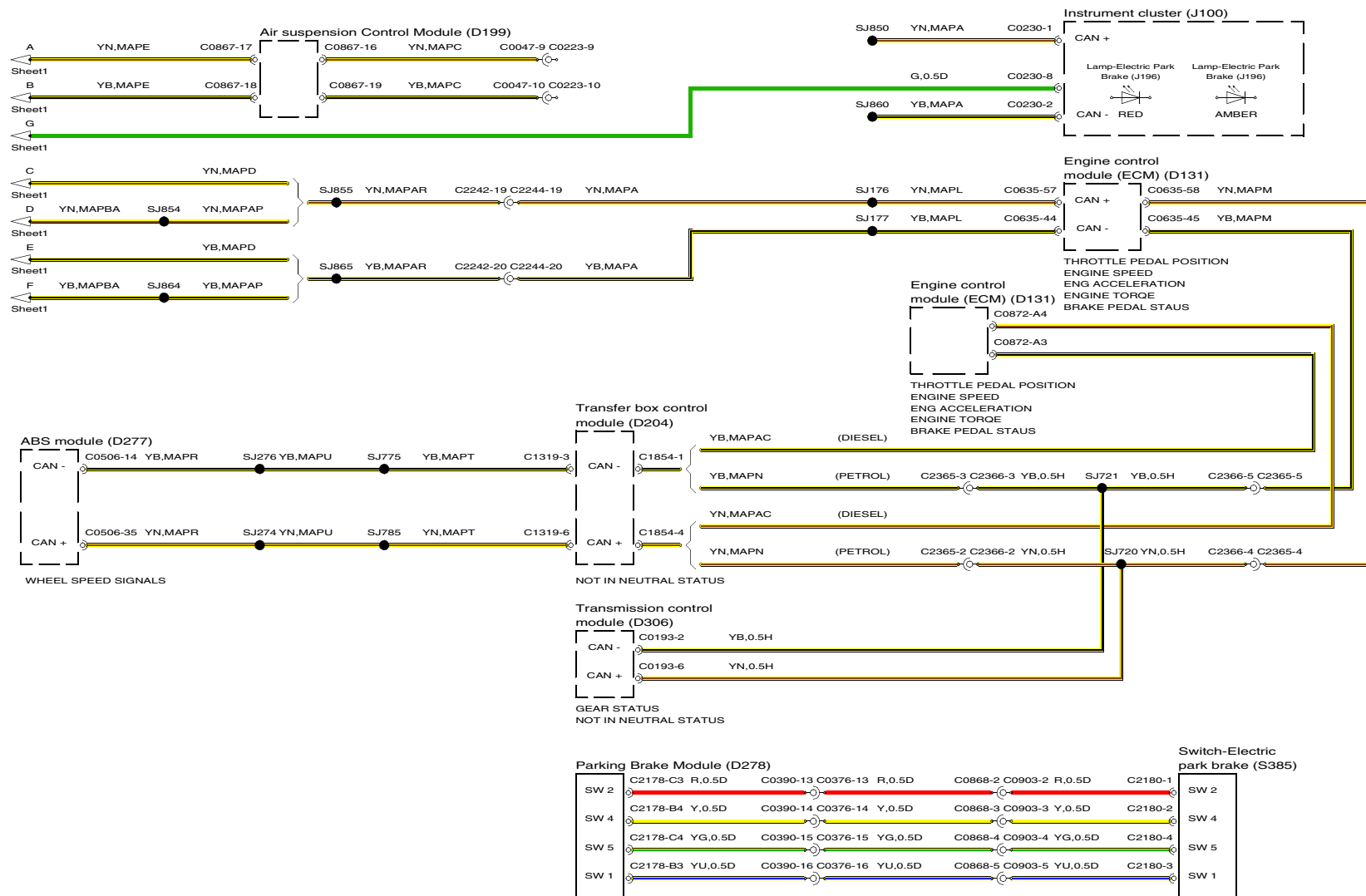


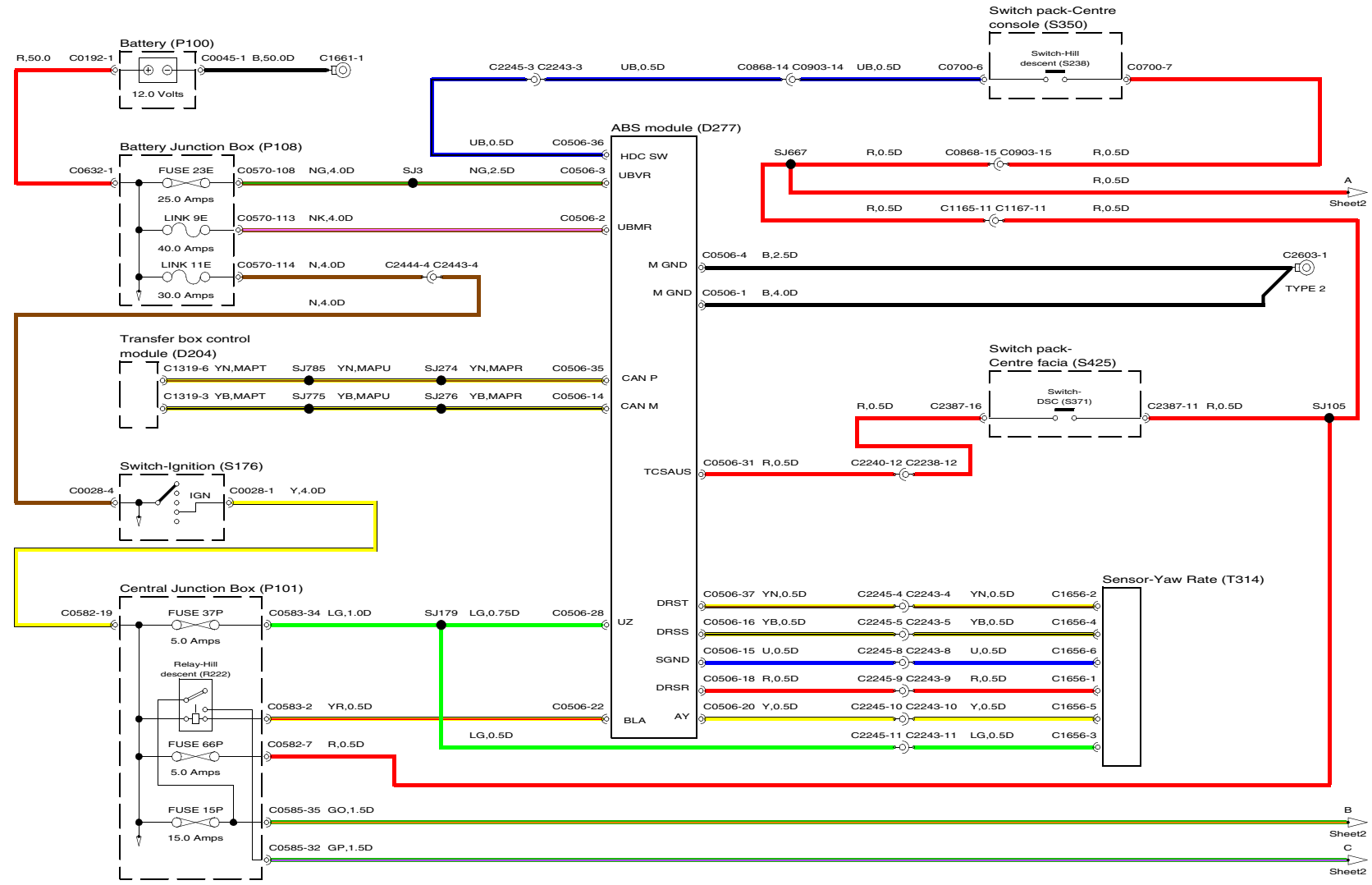


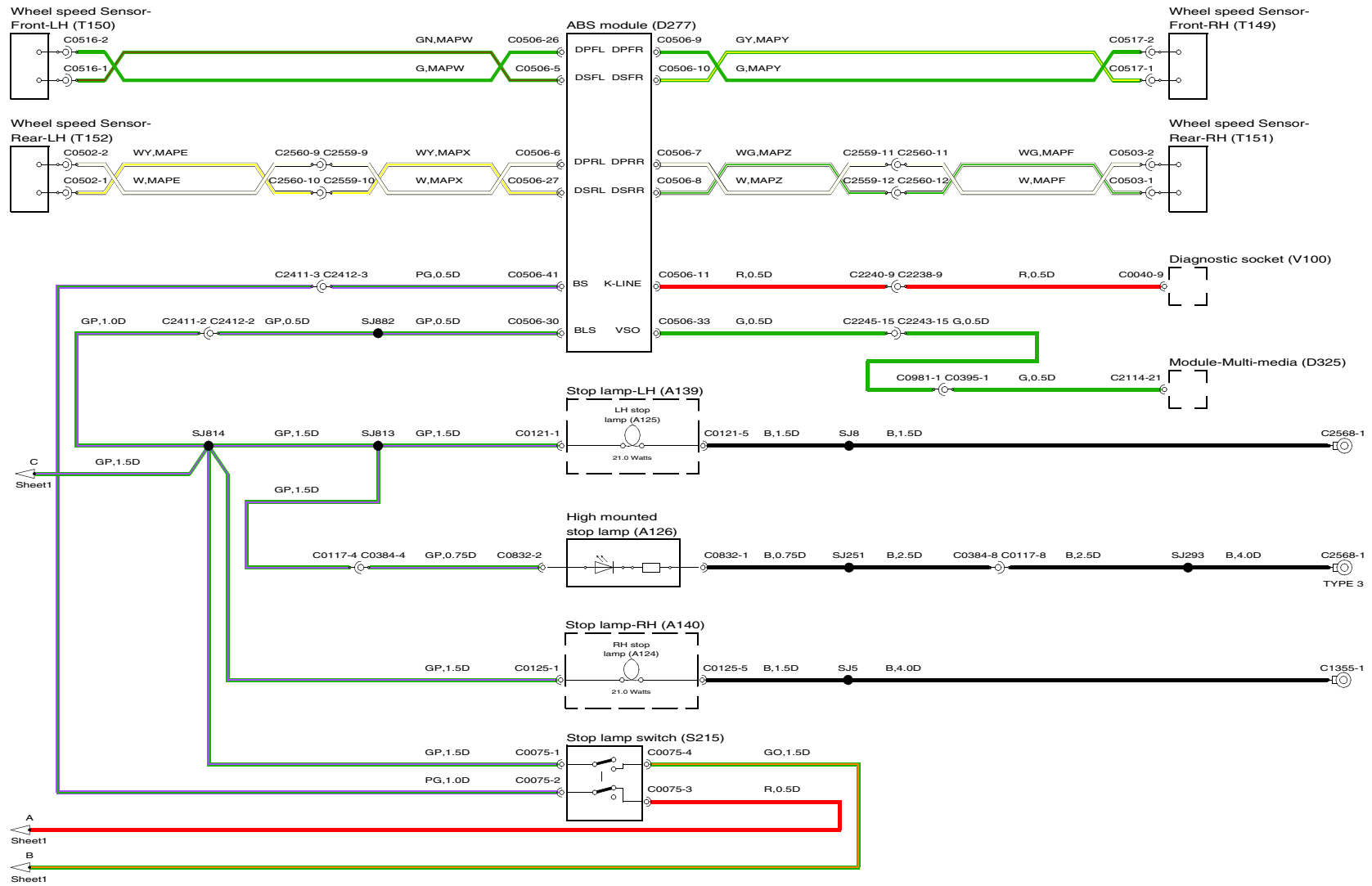
# 206 PARKING BRAKE AND ACTUATION

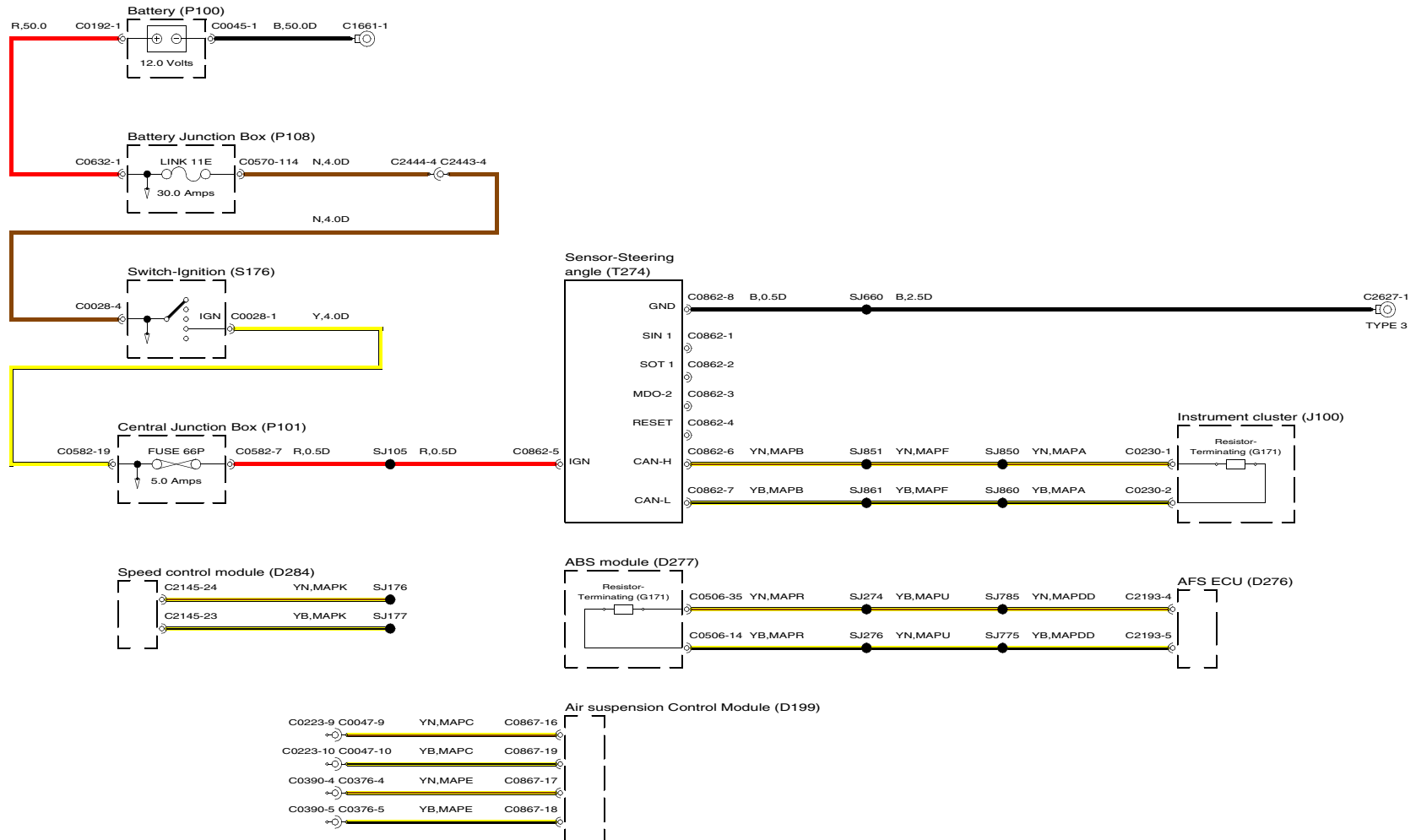


# 206 PARKING BRAKE AND ACTUATION



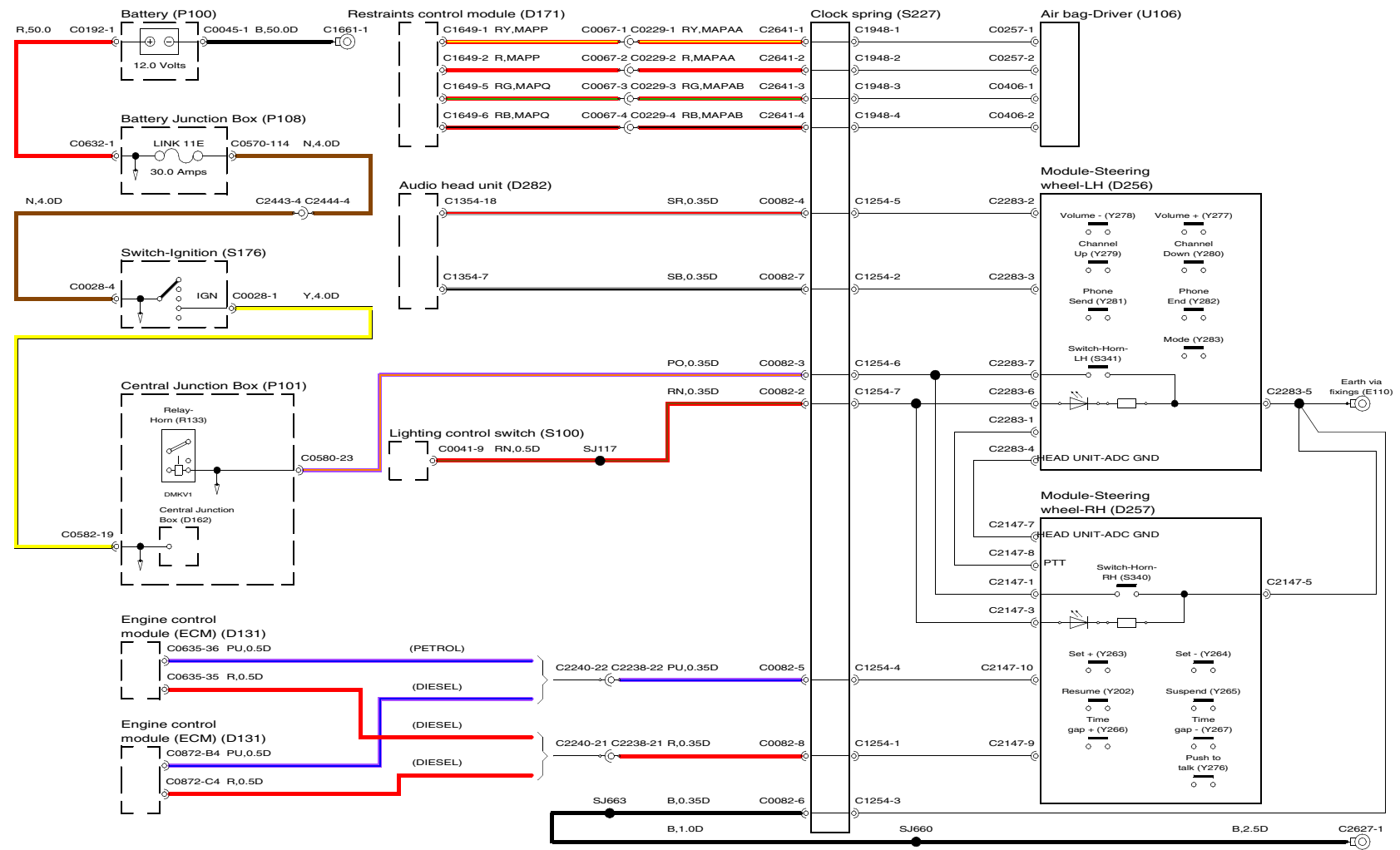




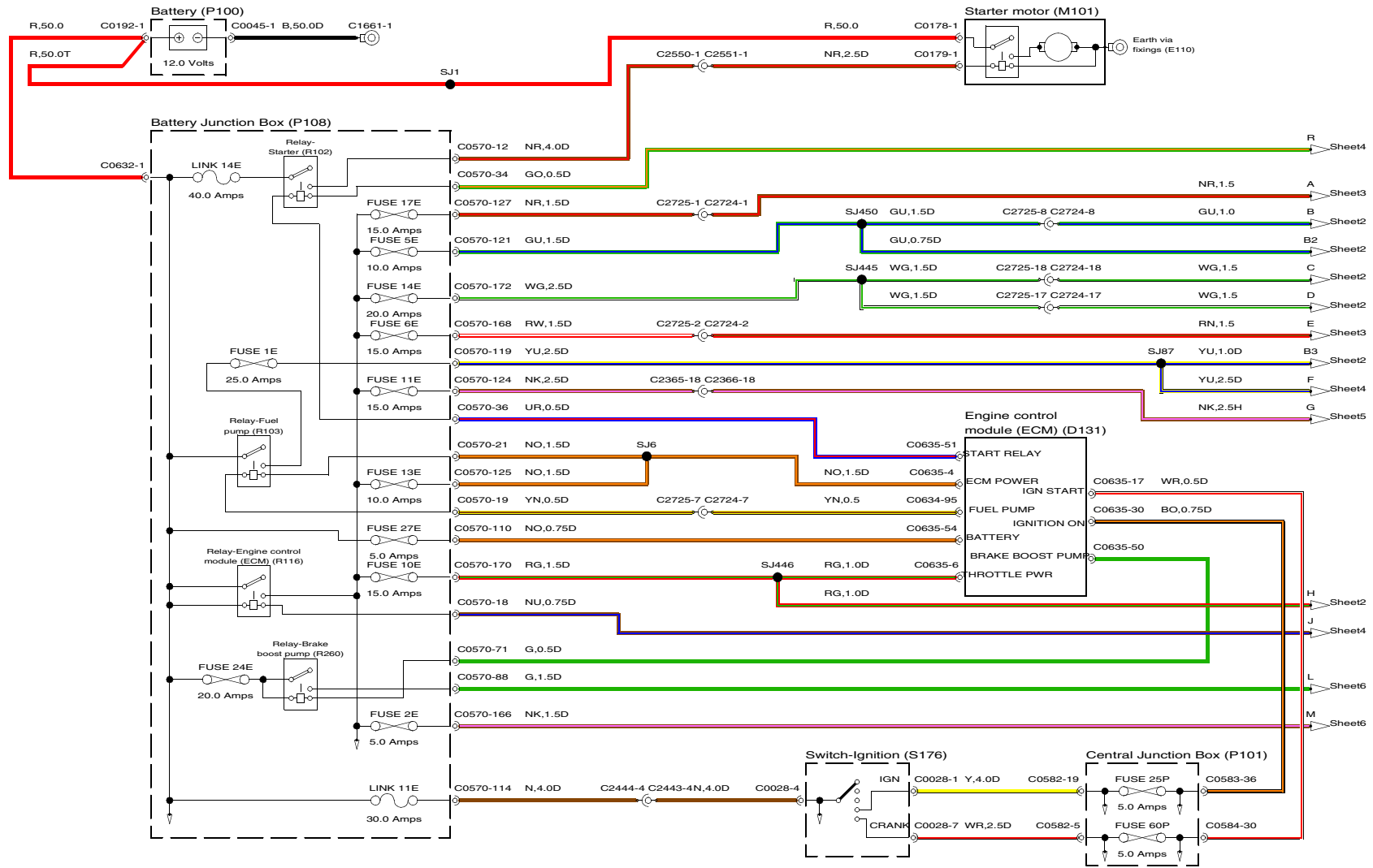


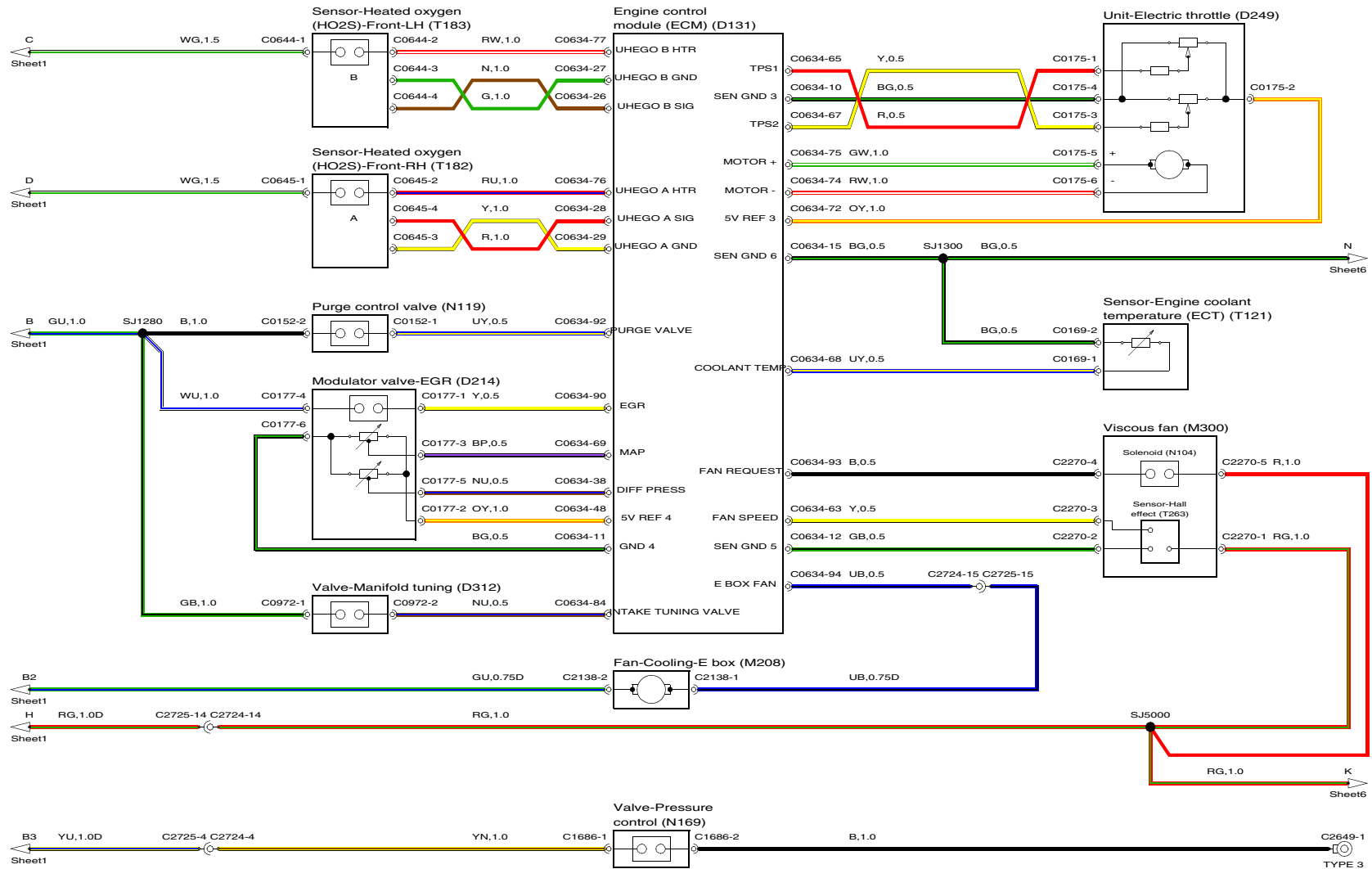


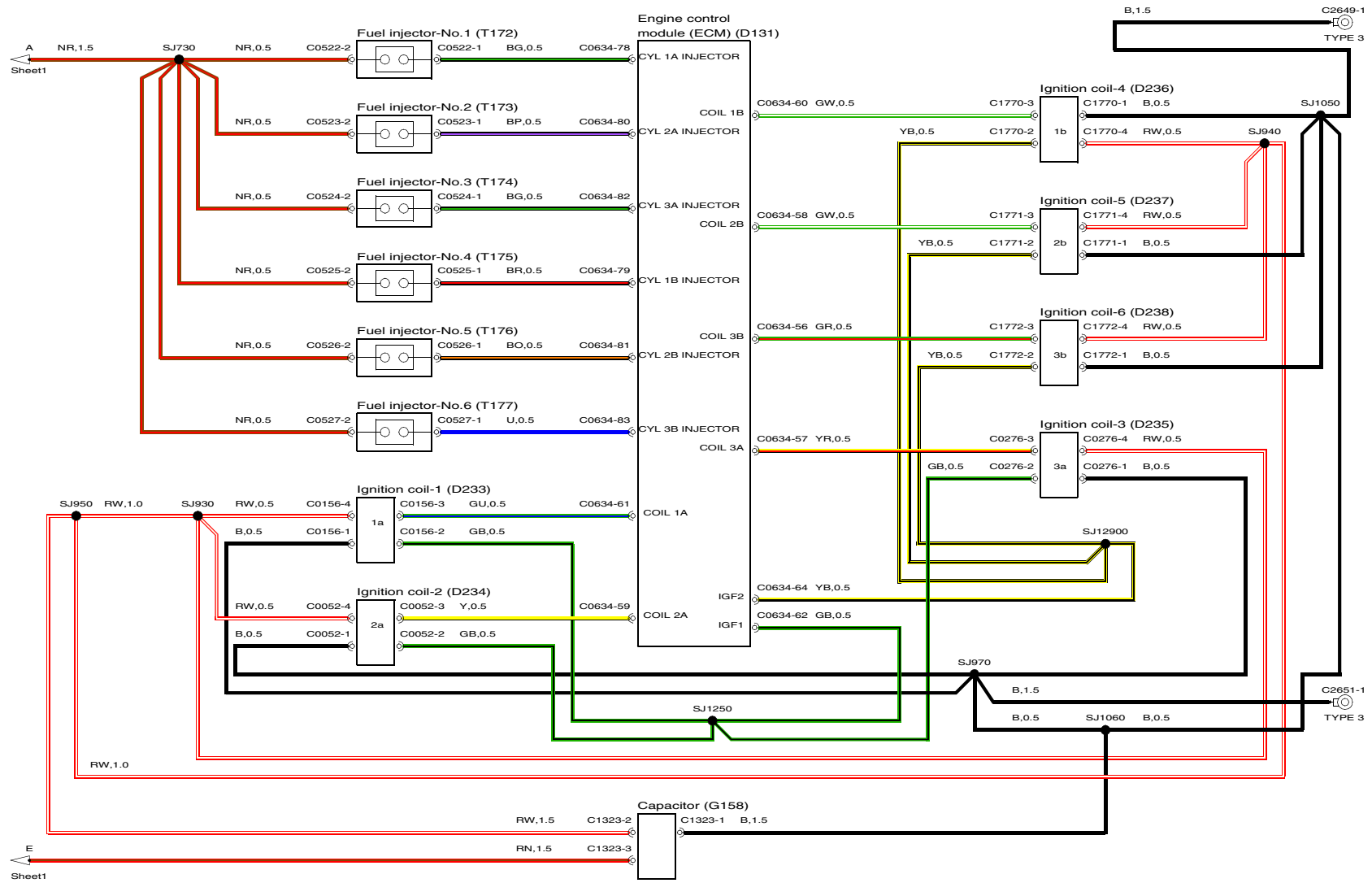


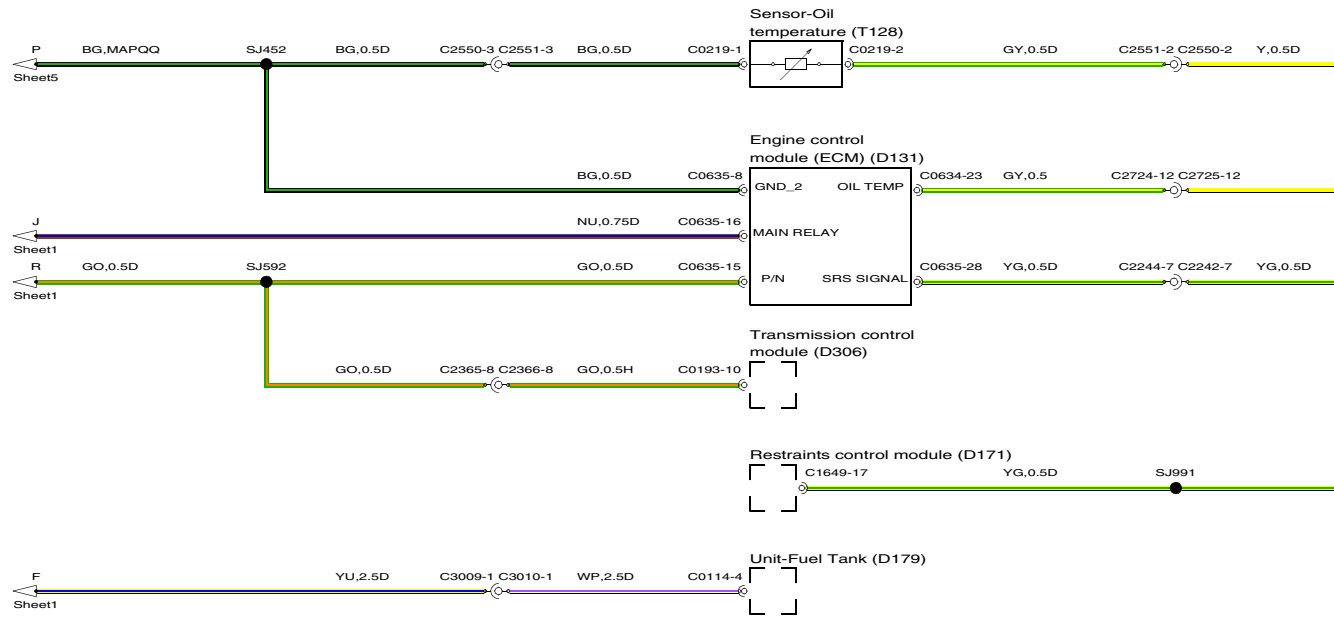


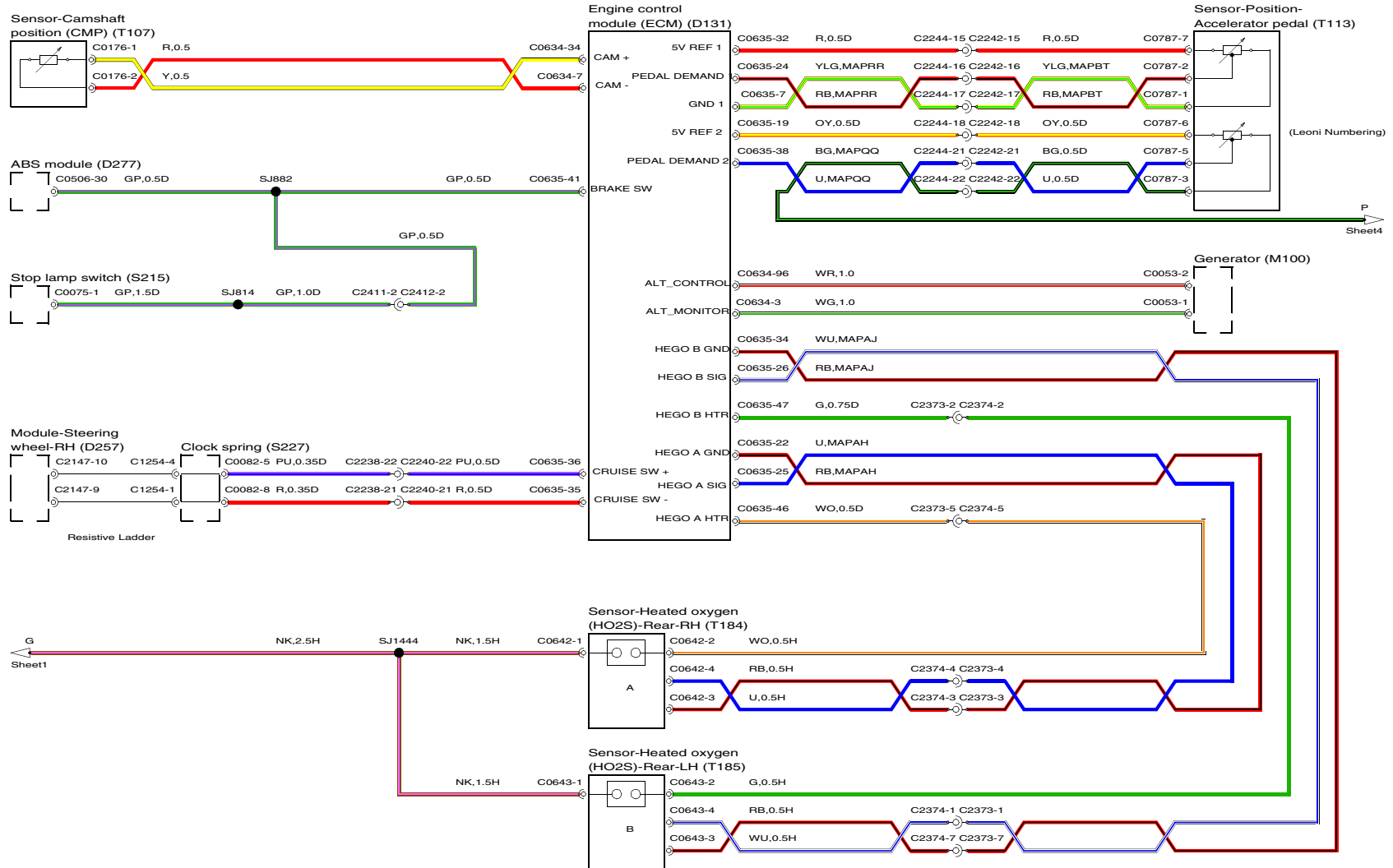




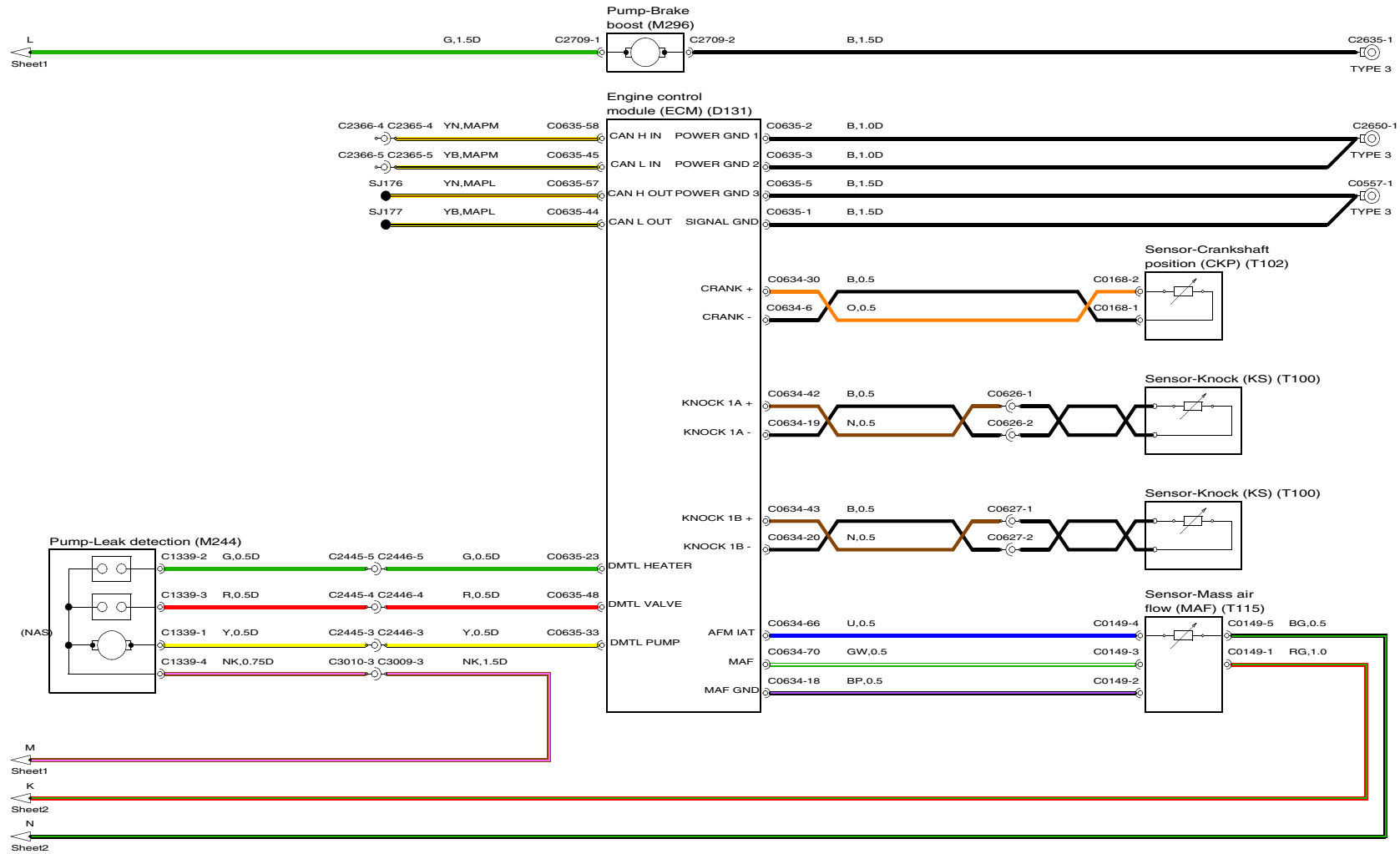


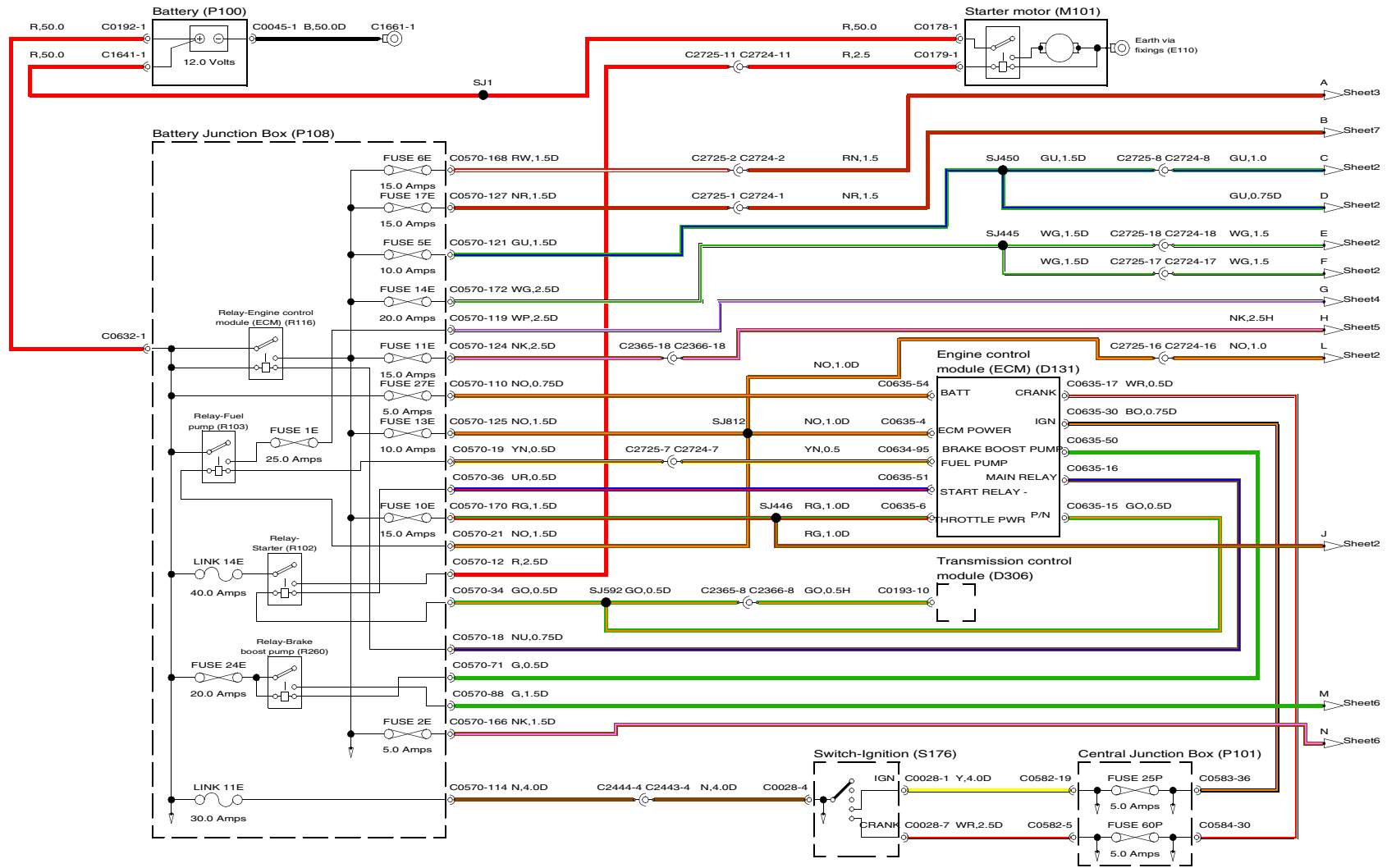


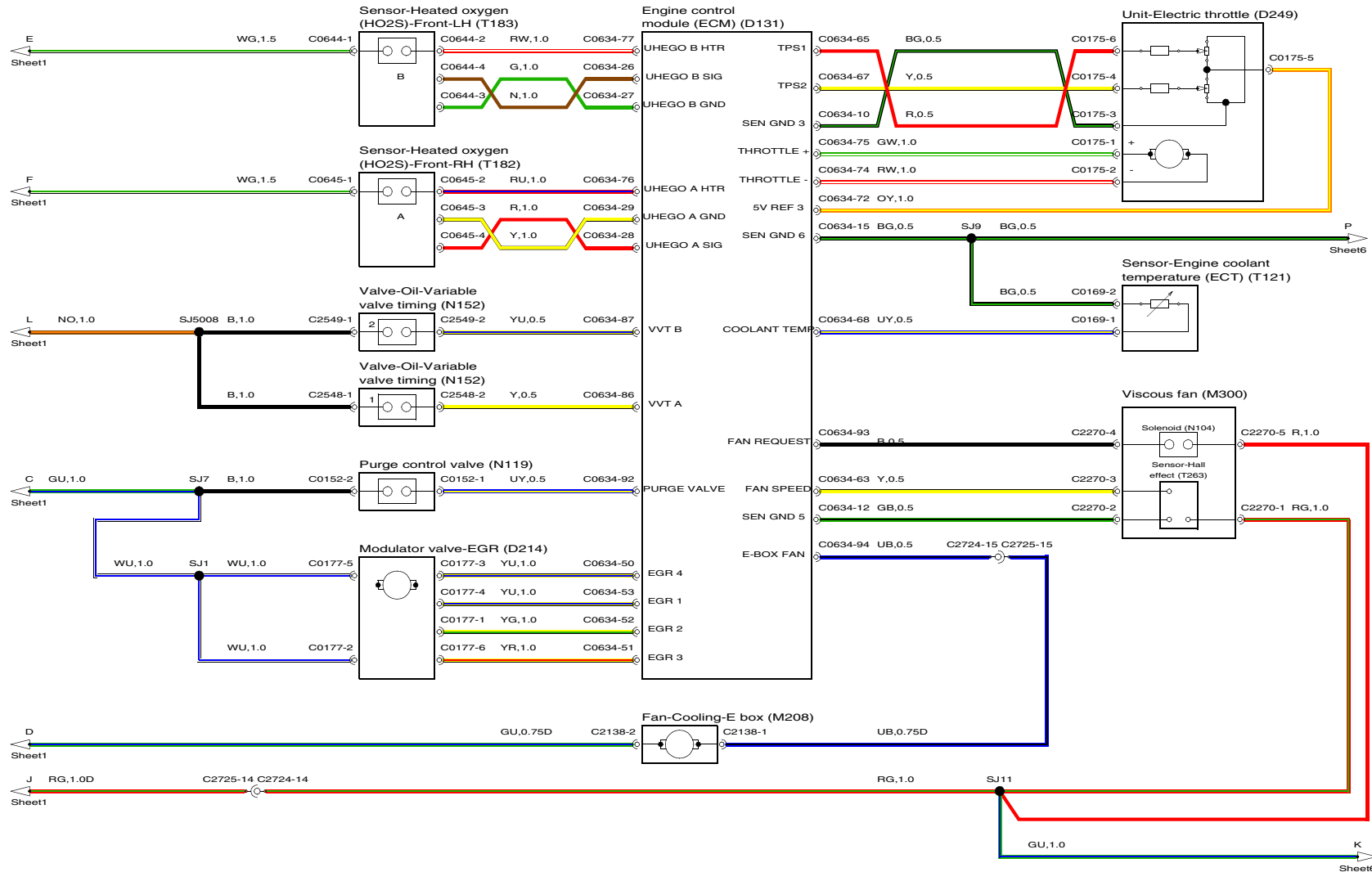


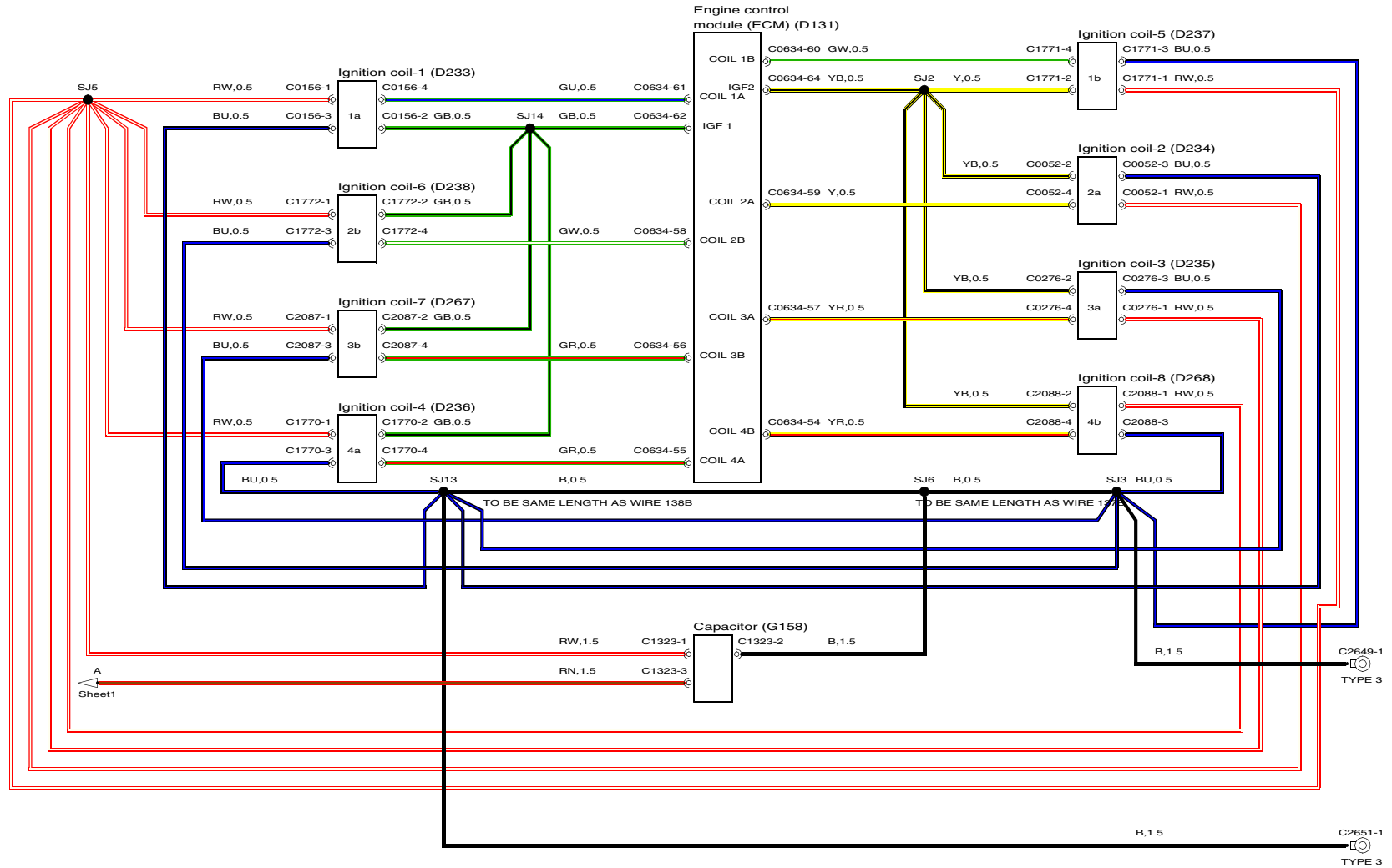


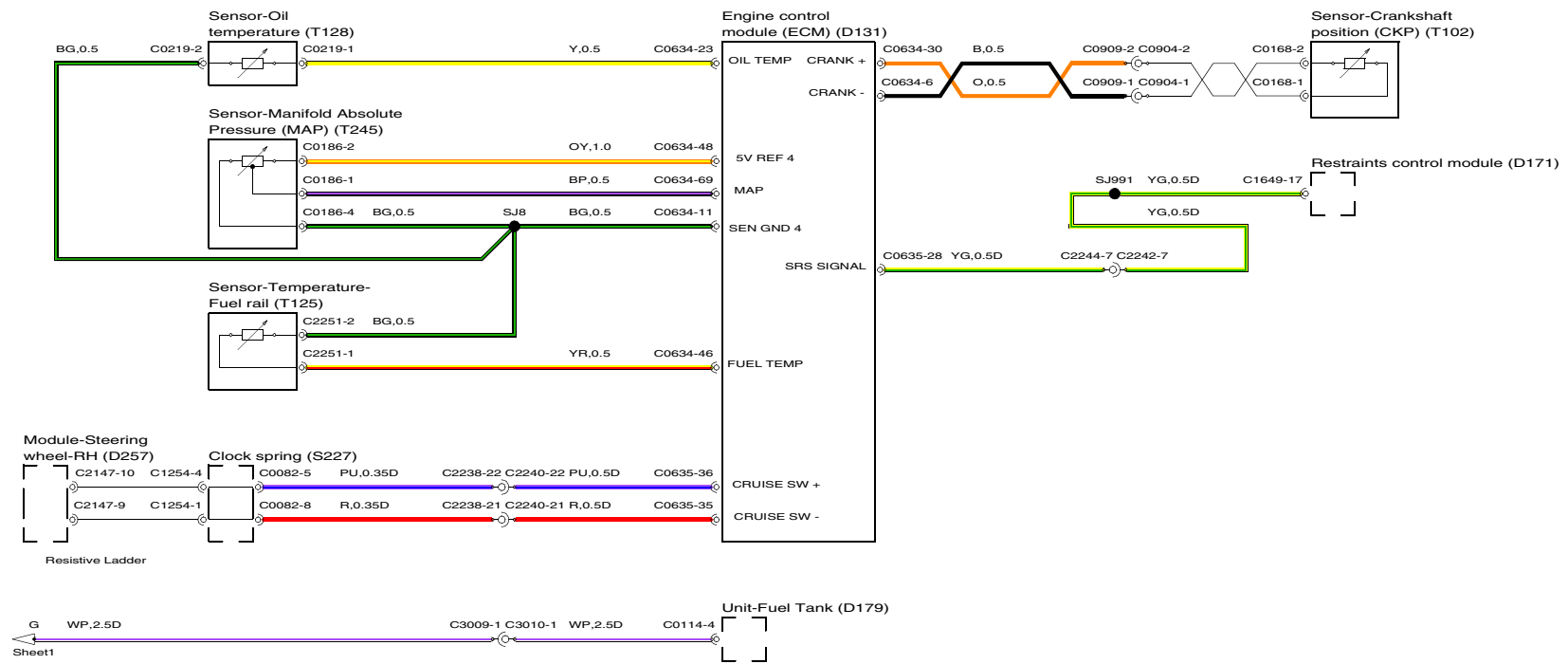


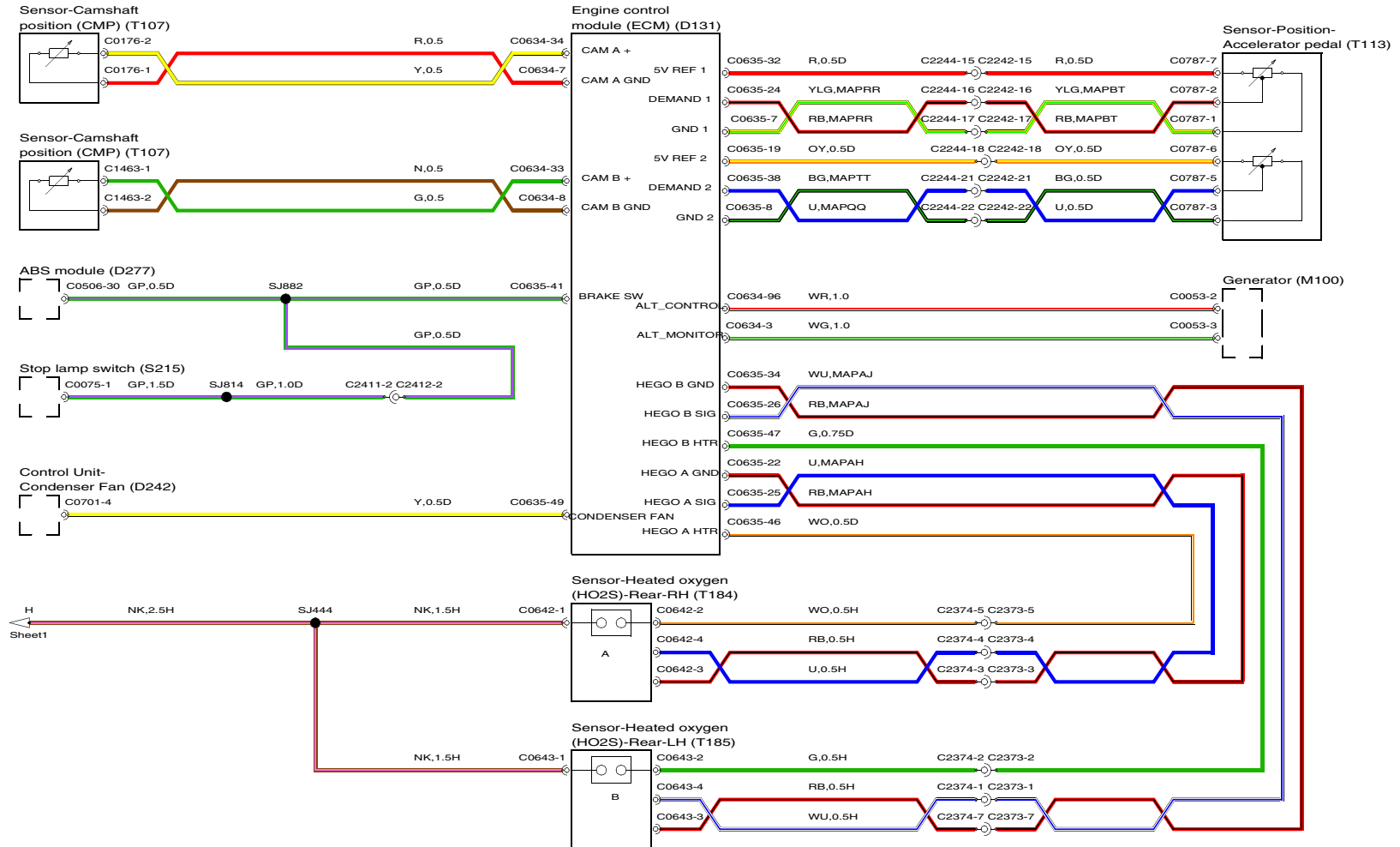


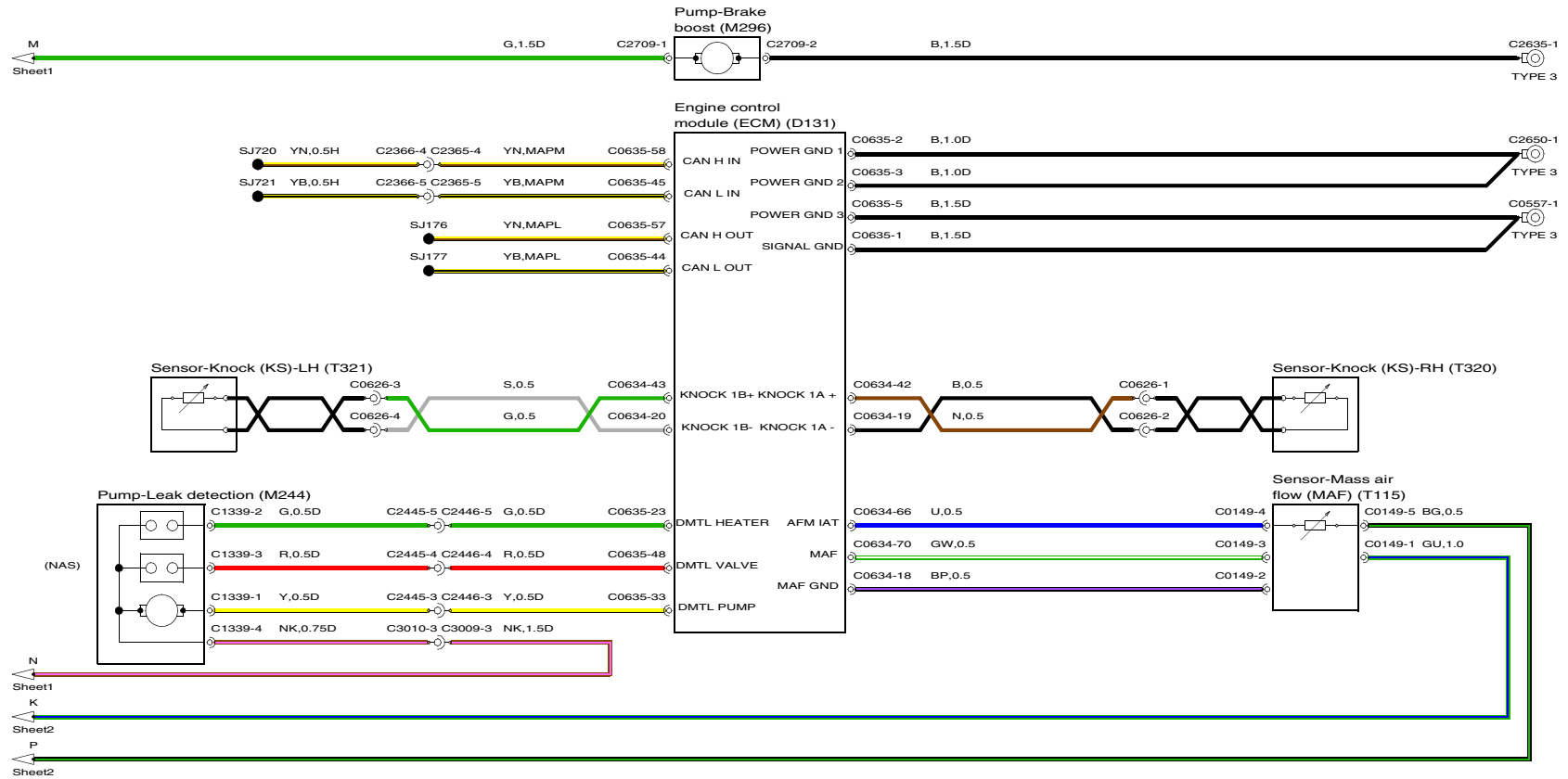


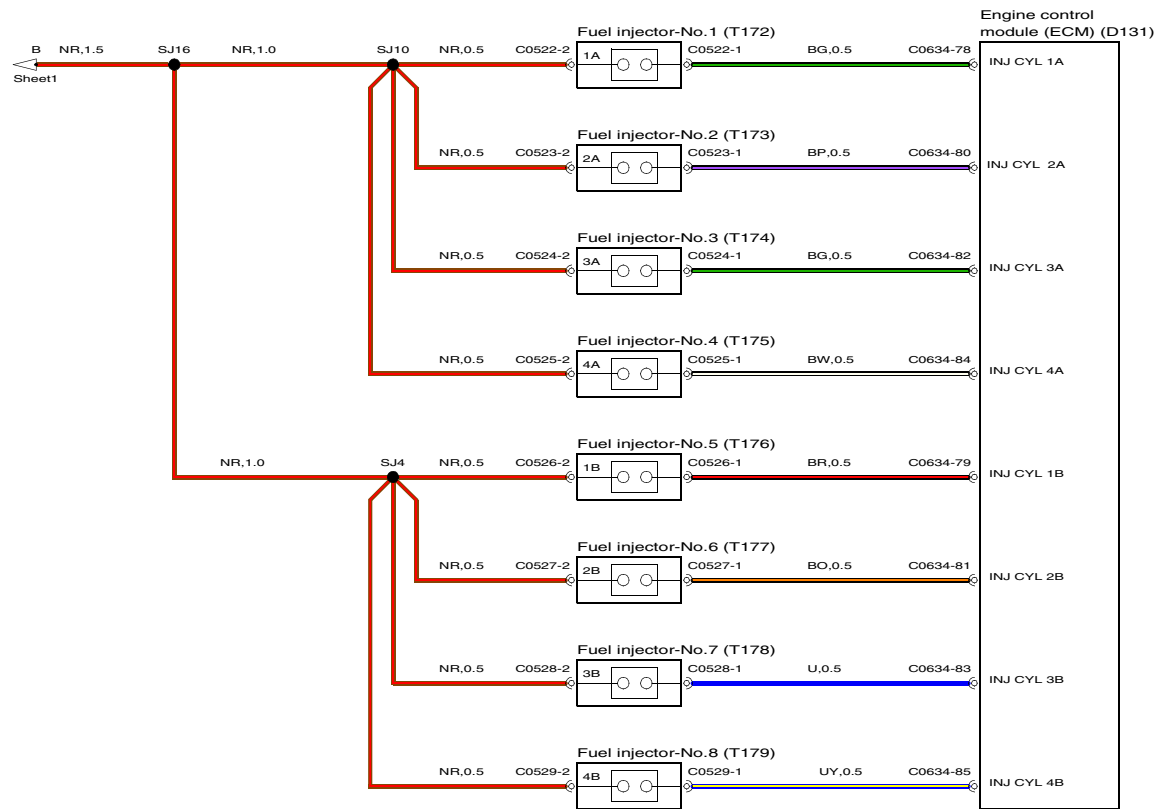








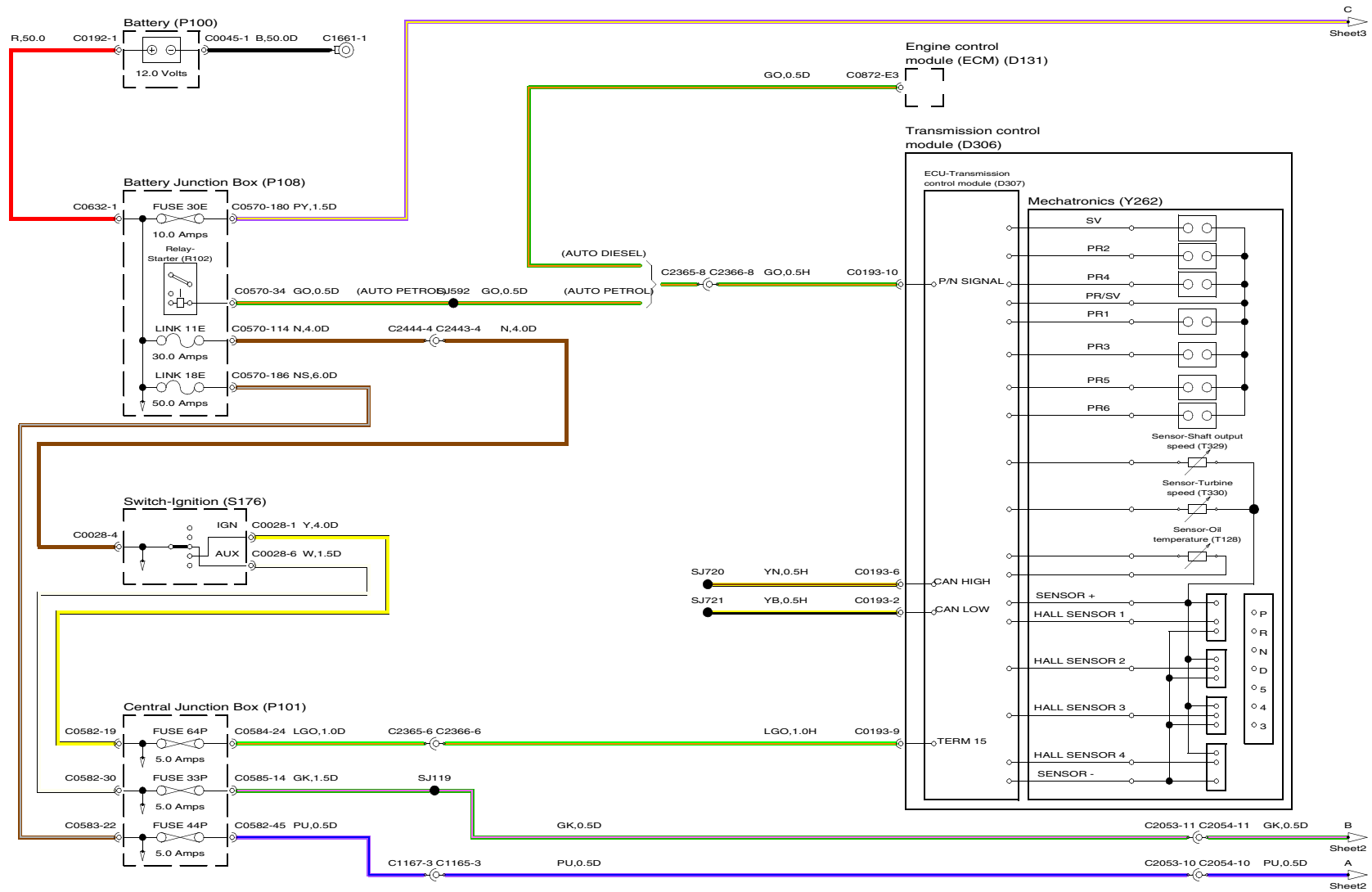


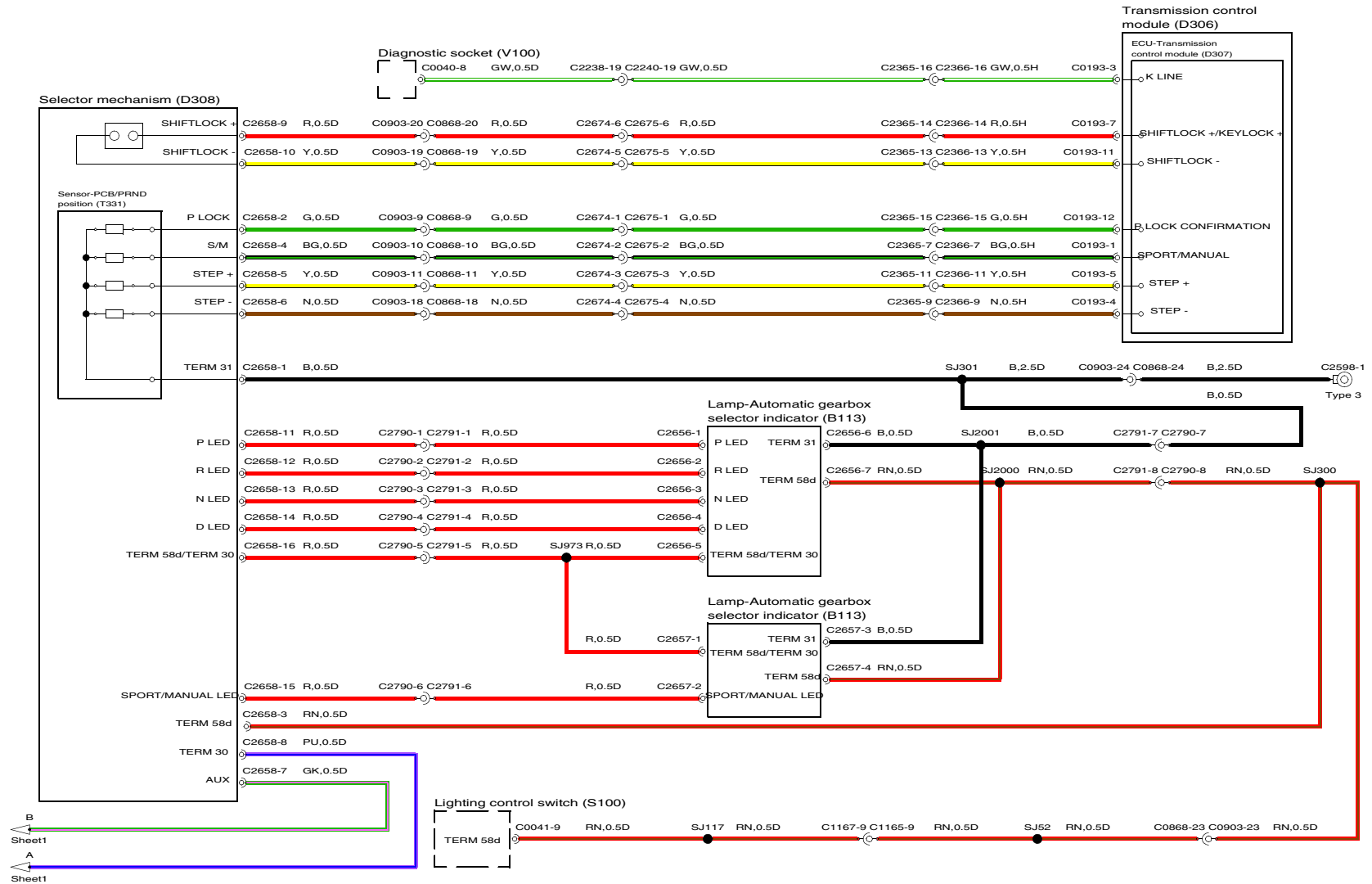




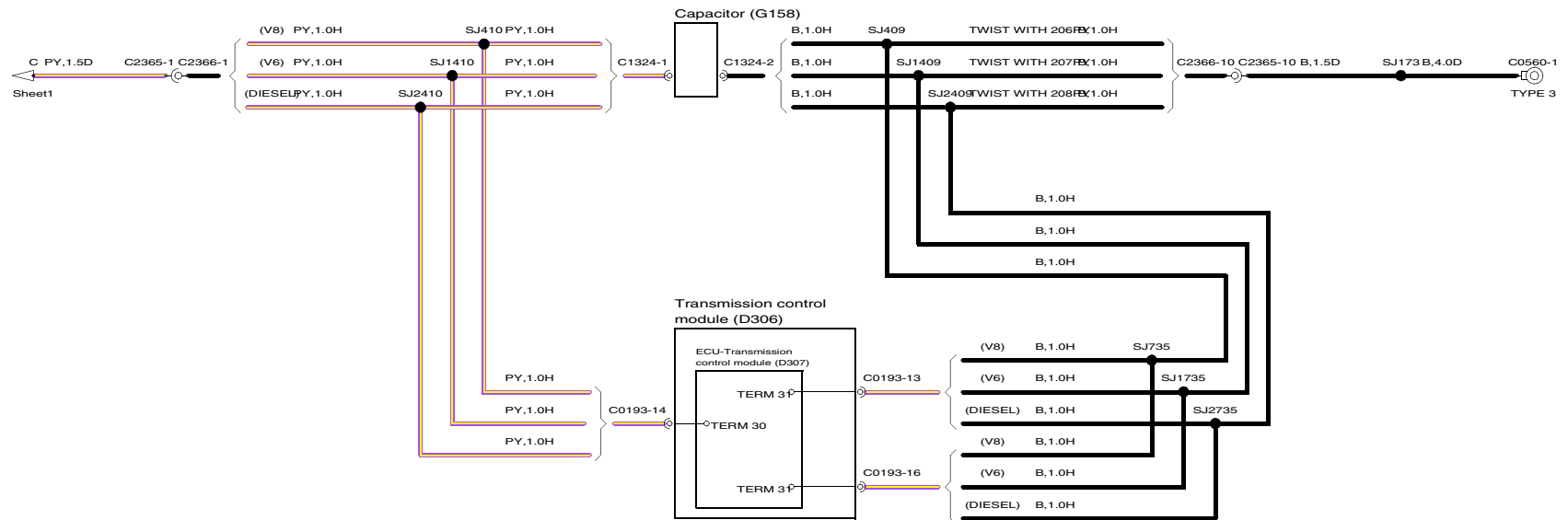


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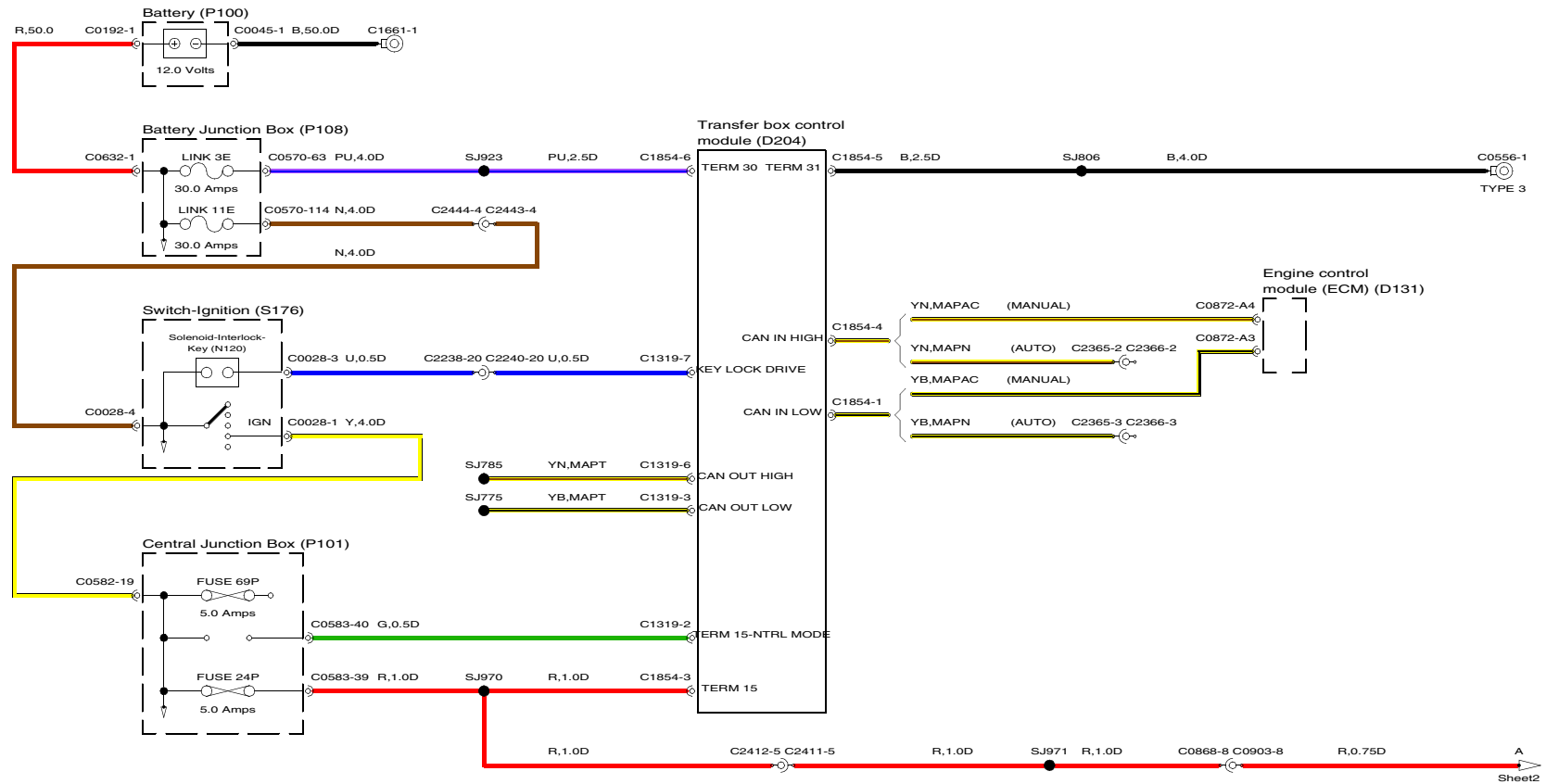


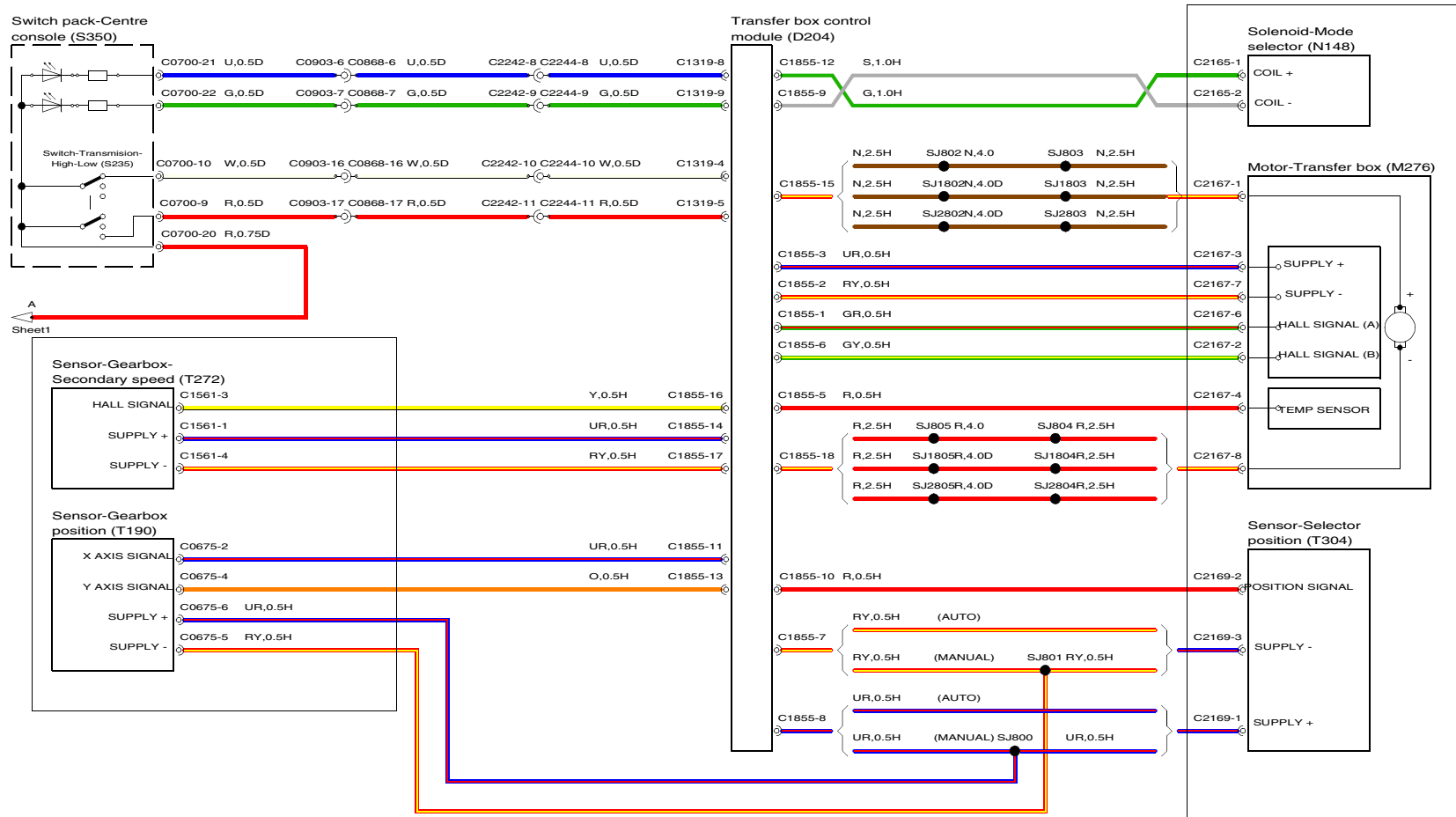


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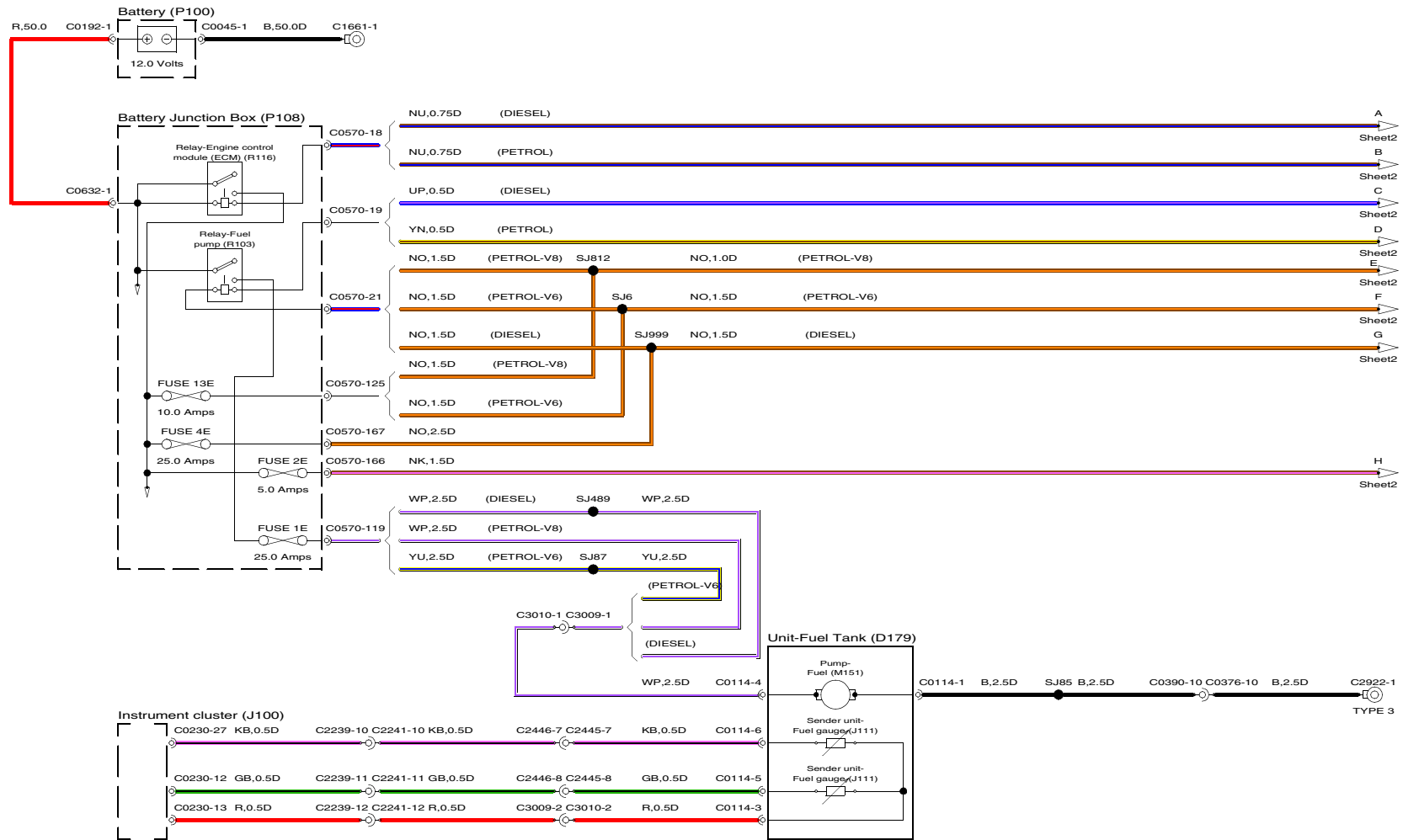




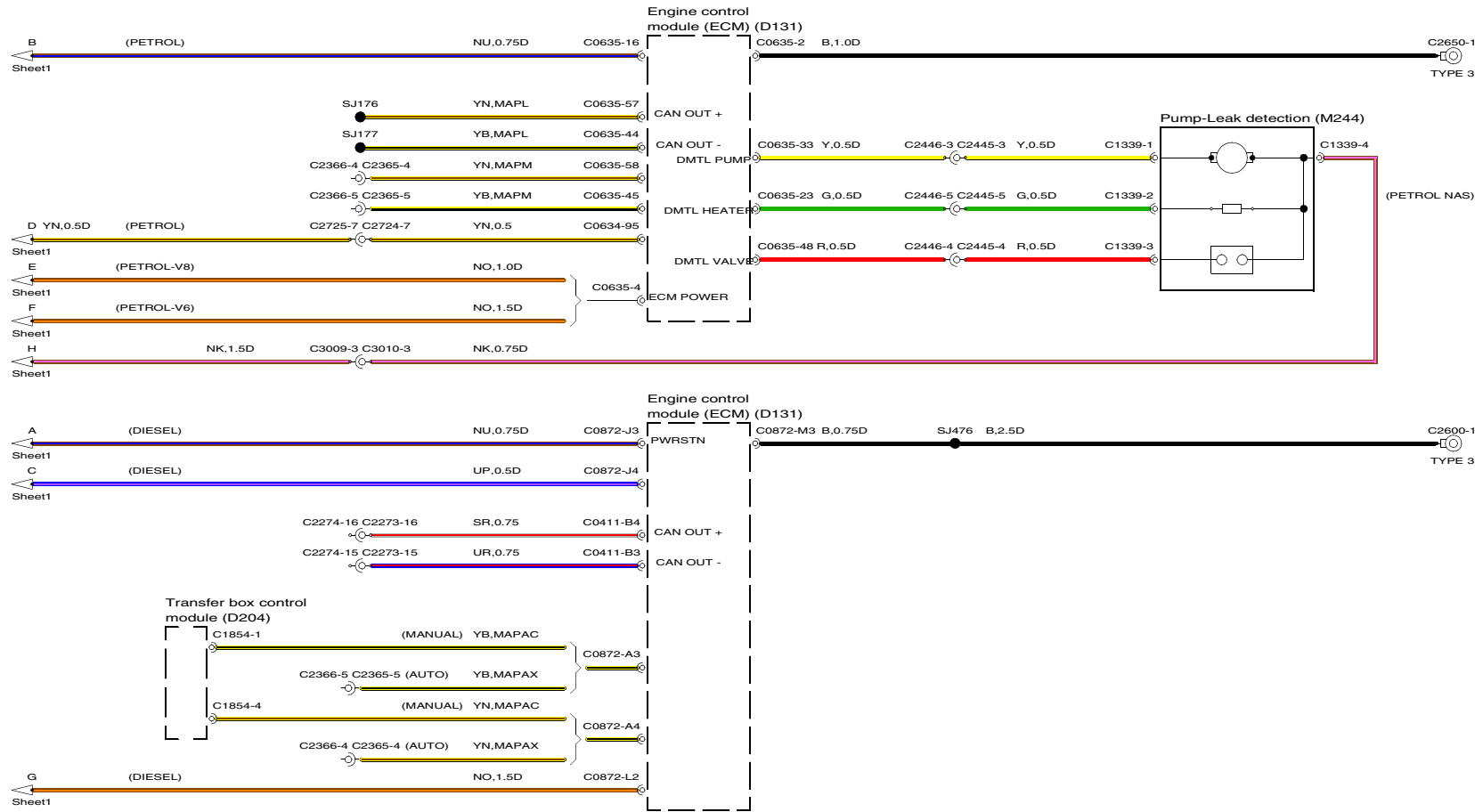


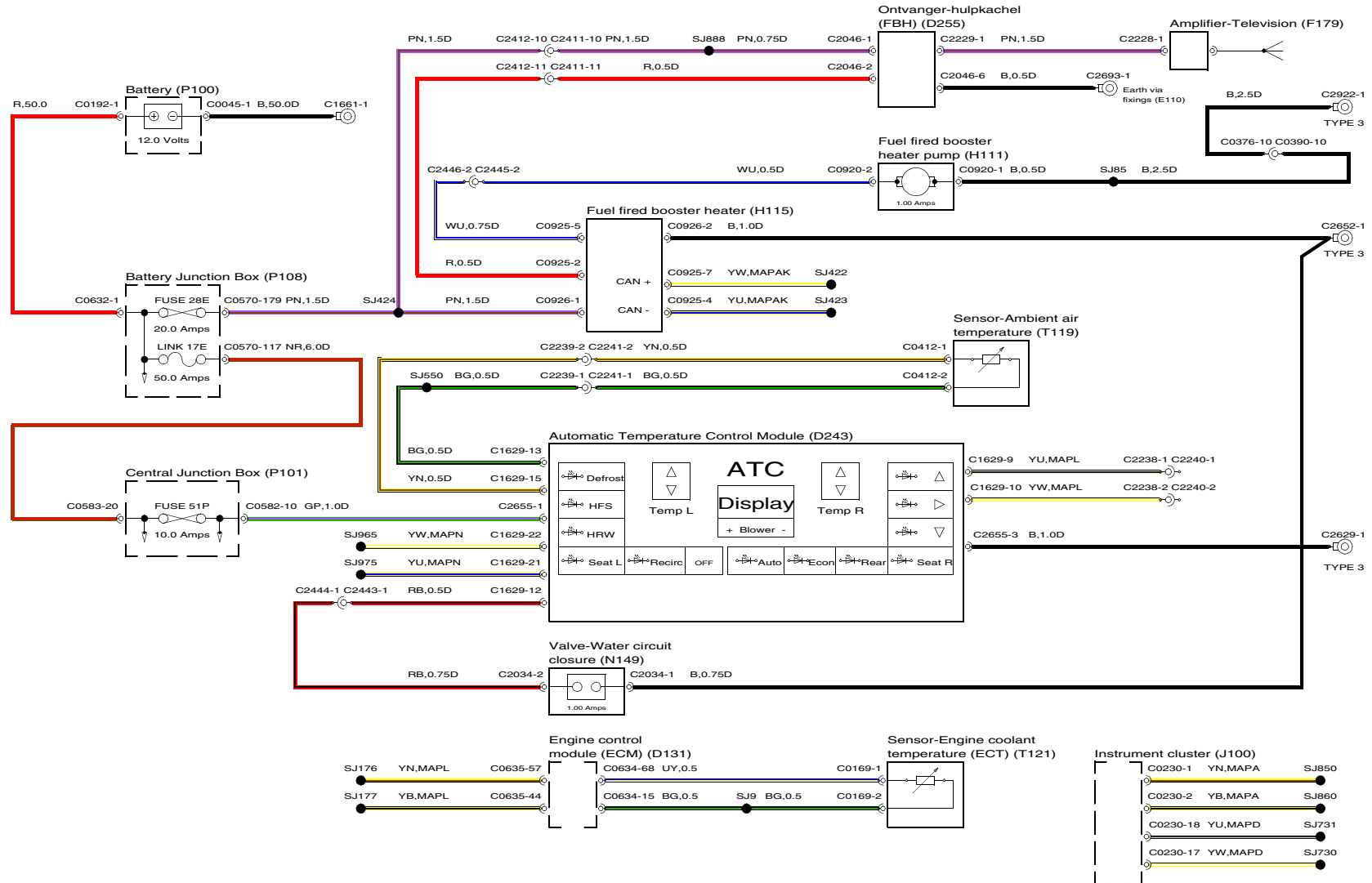


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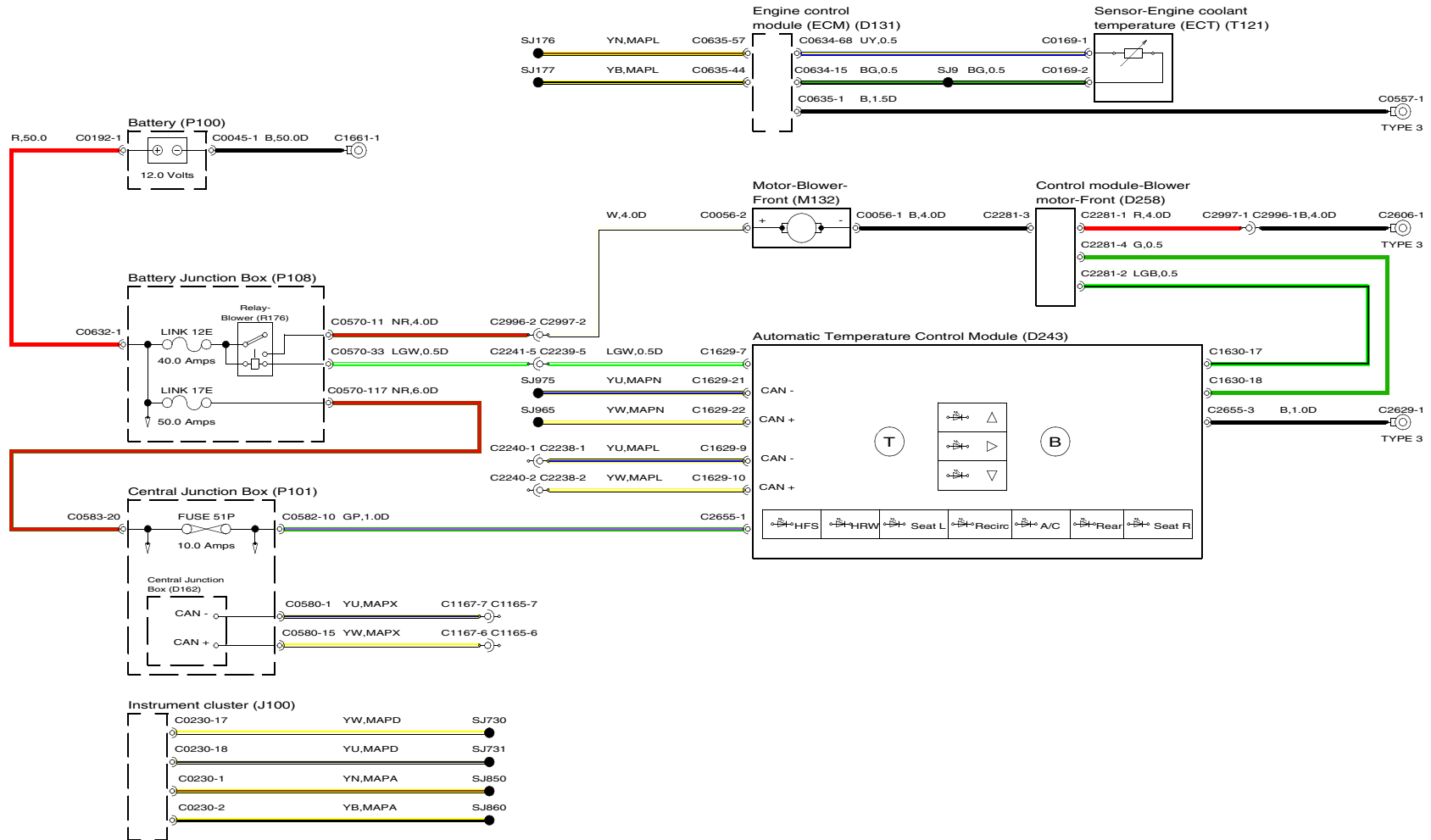


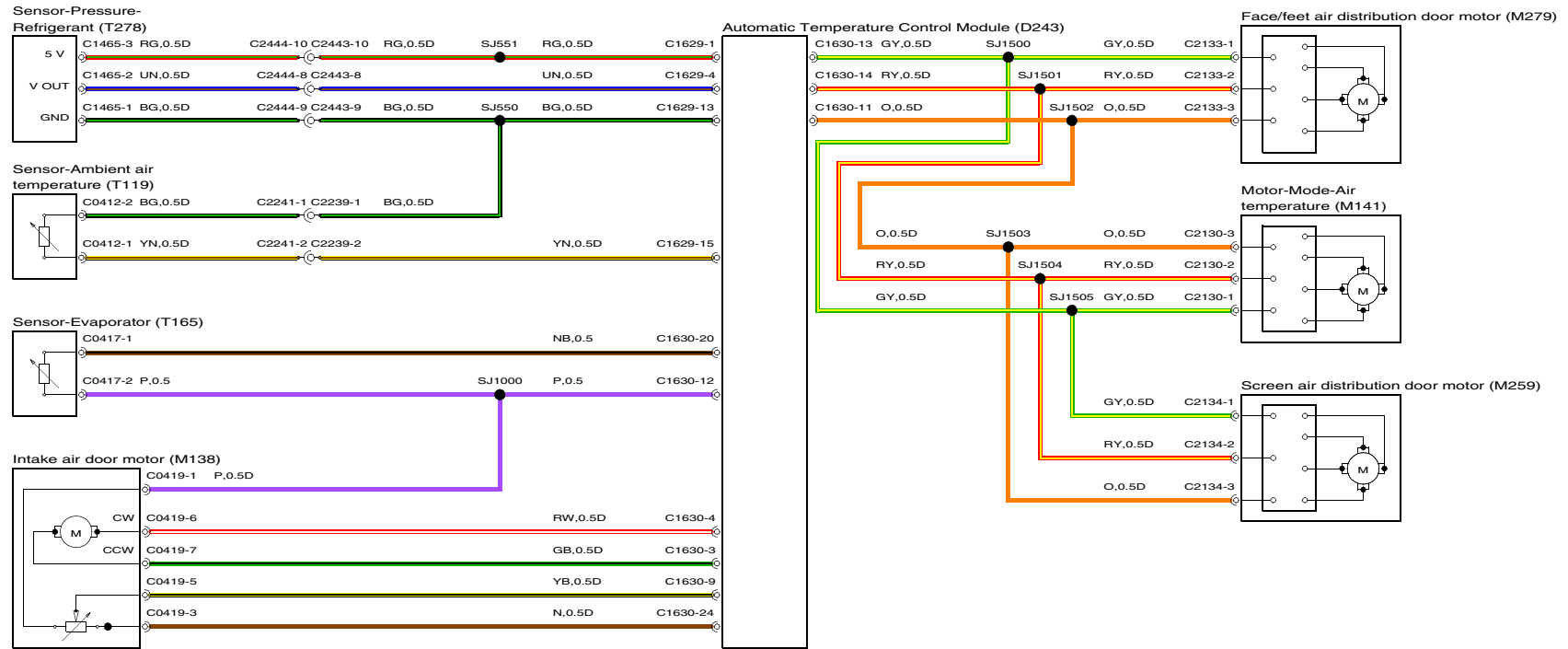


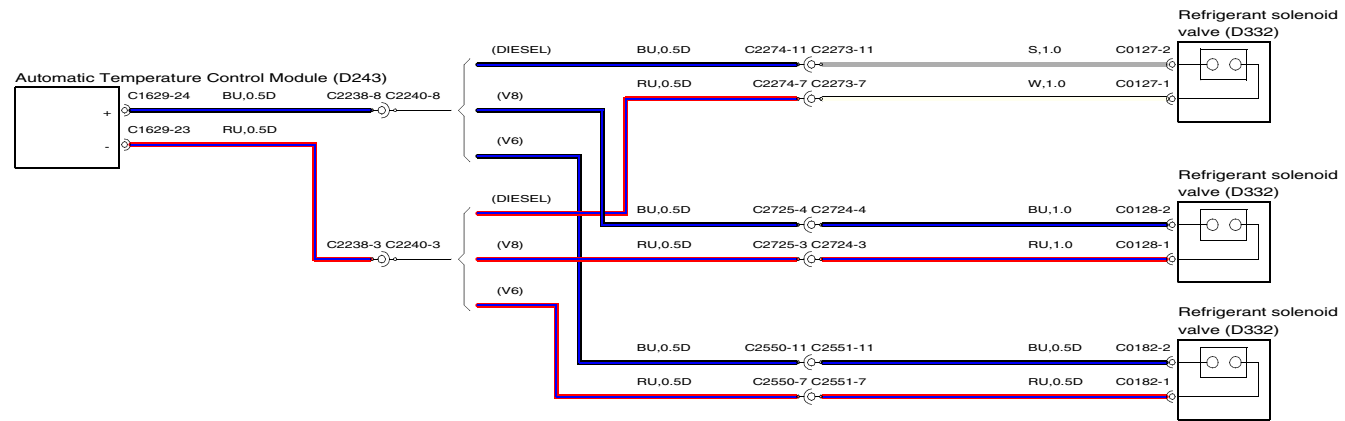




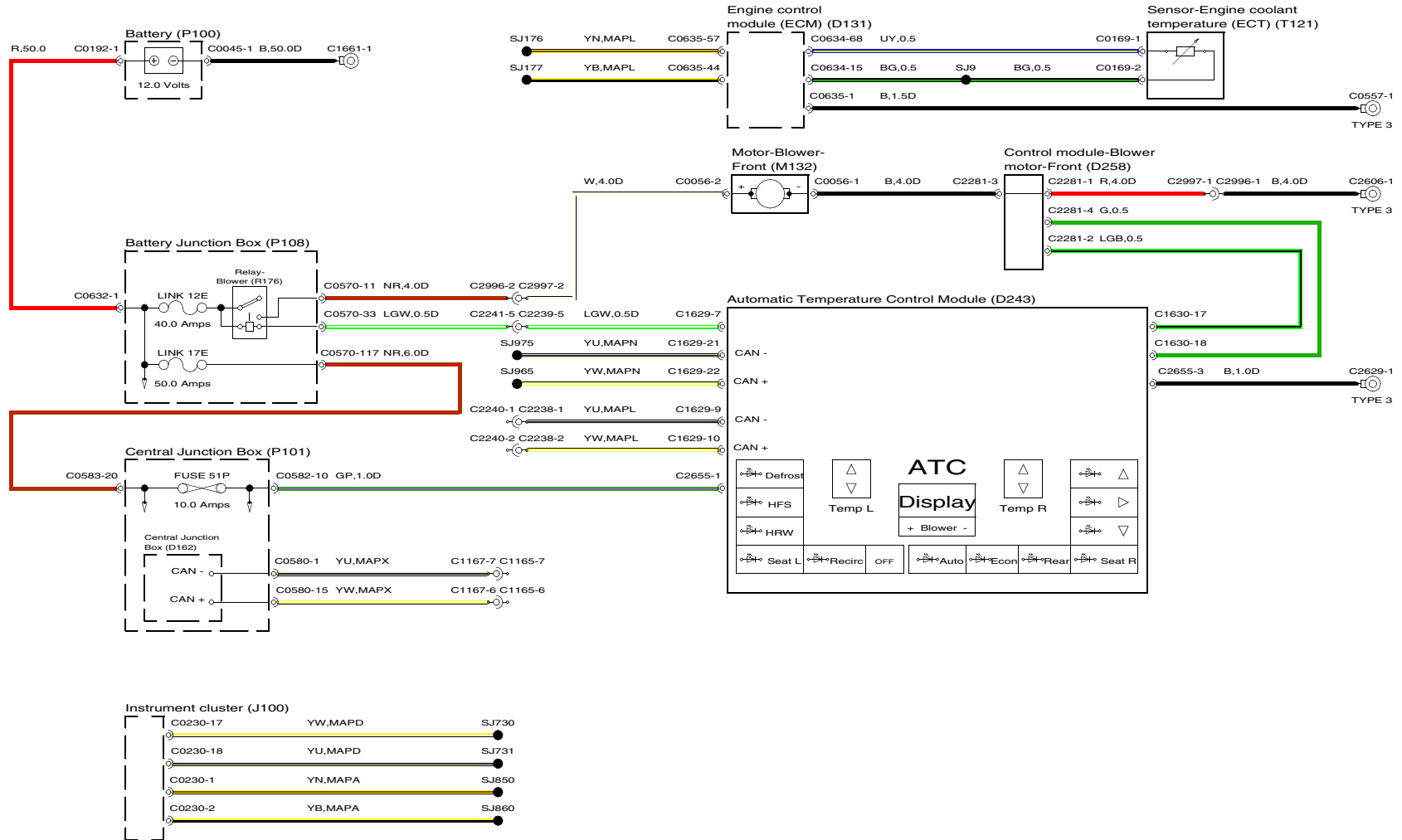




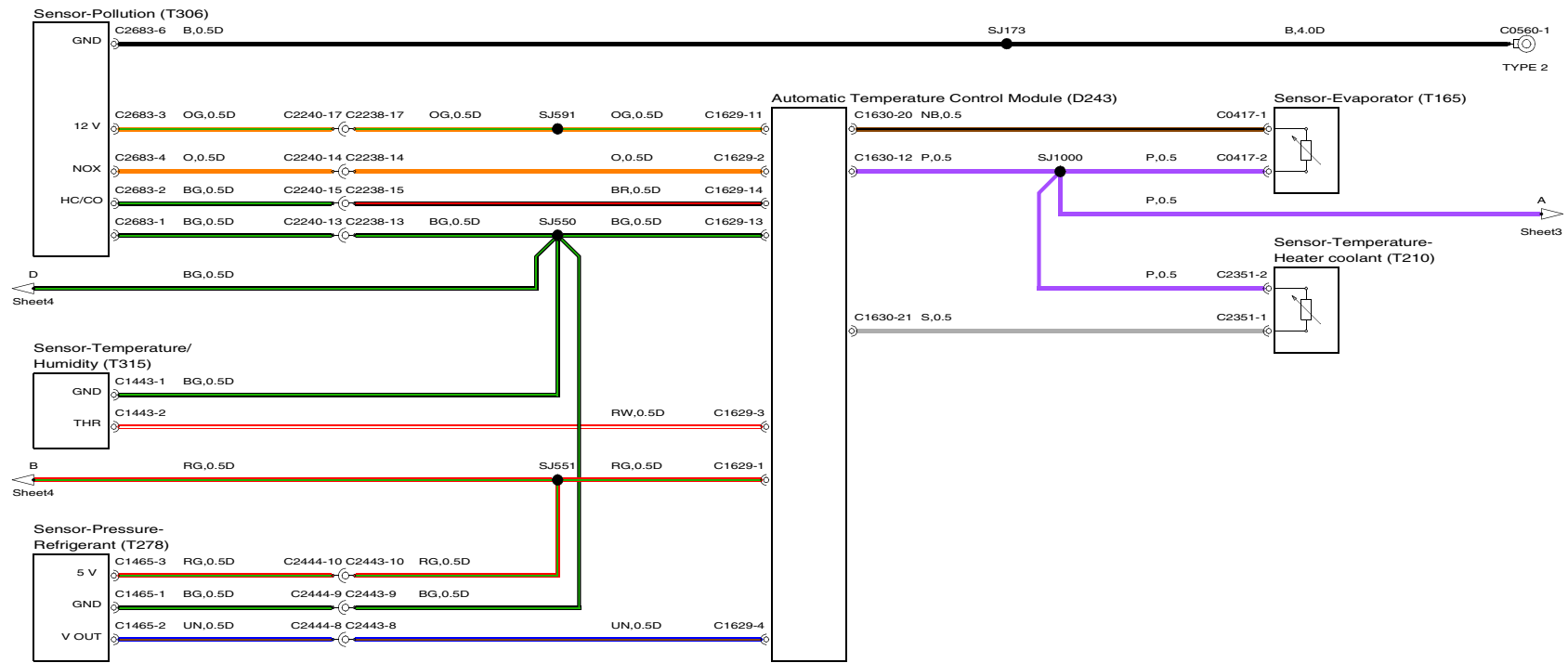


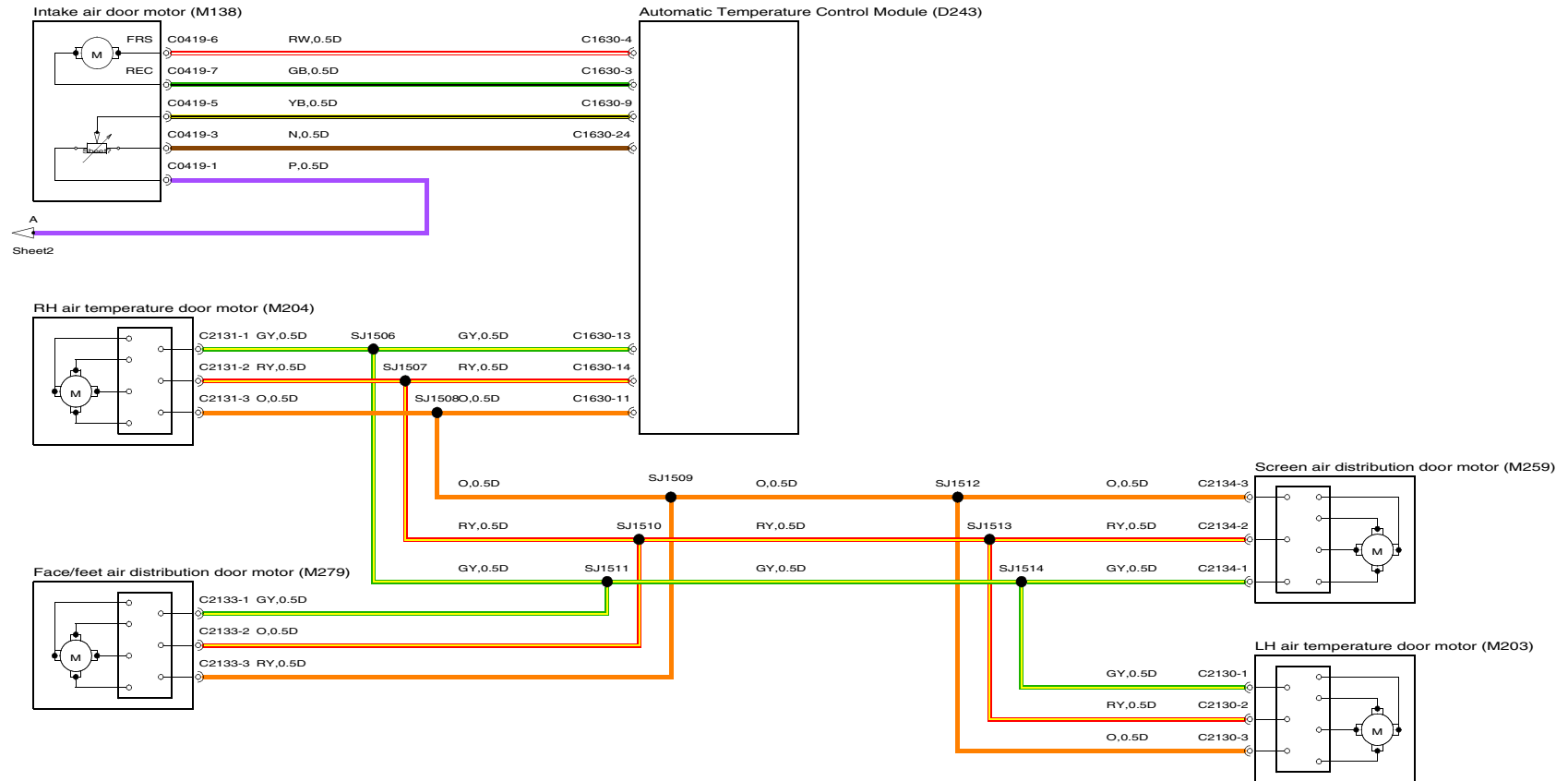


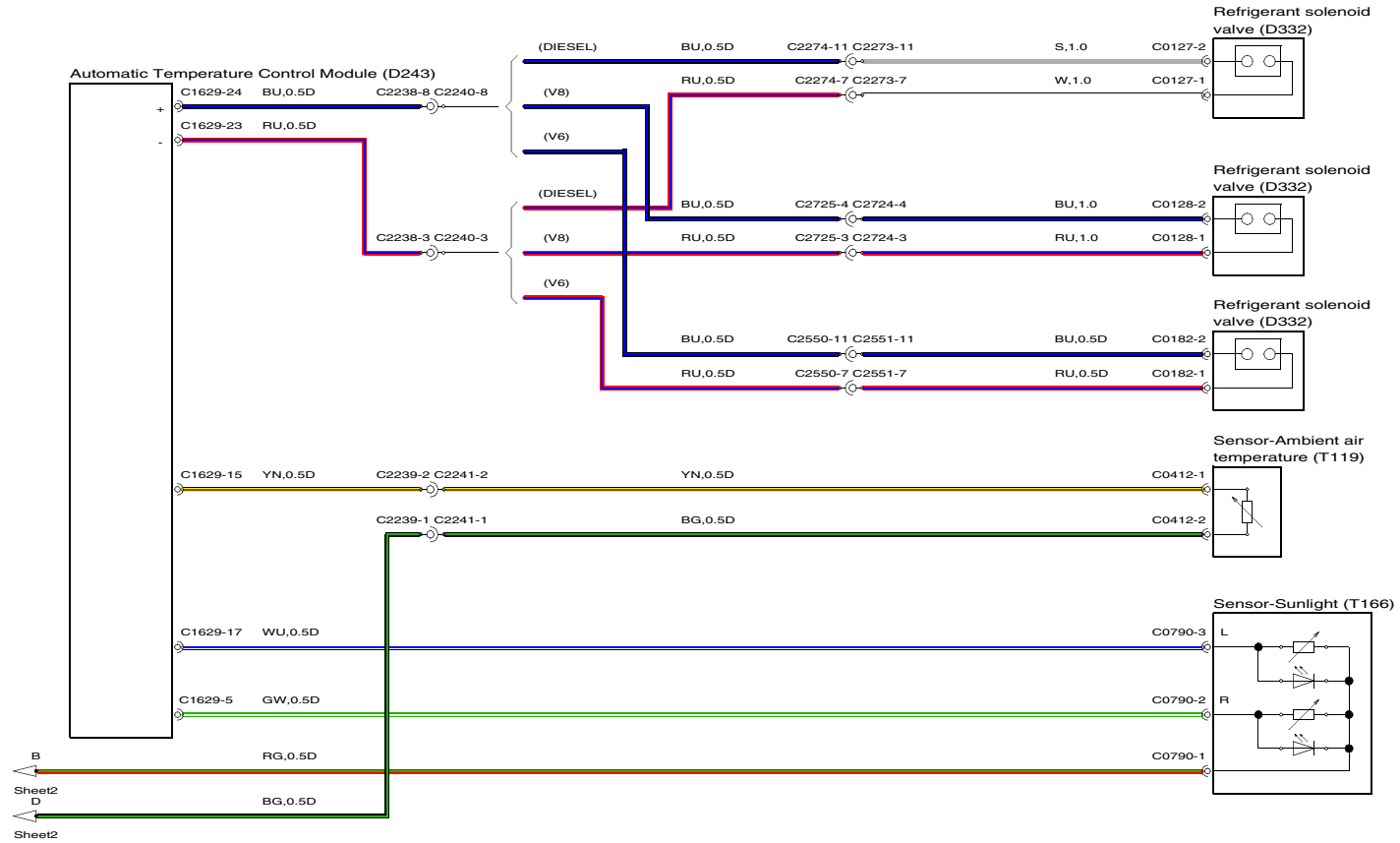


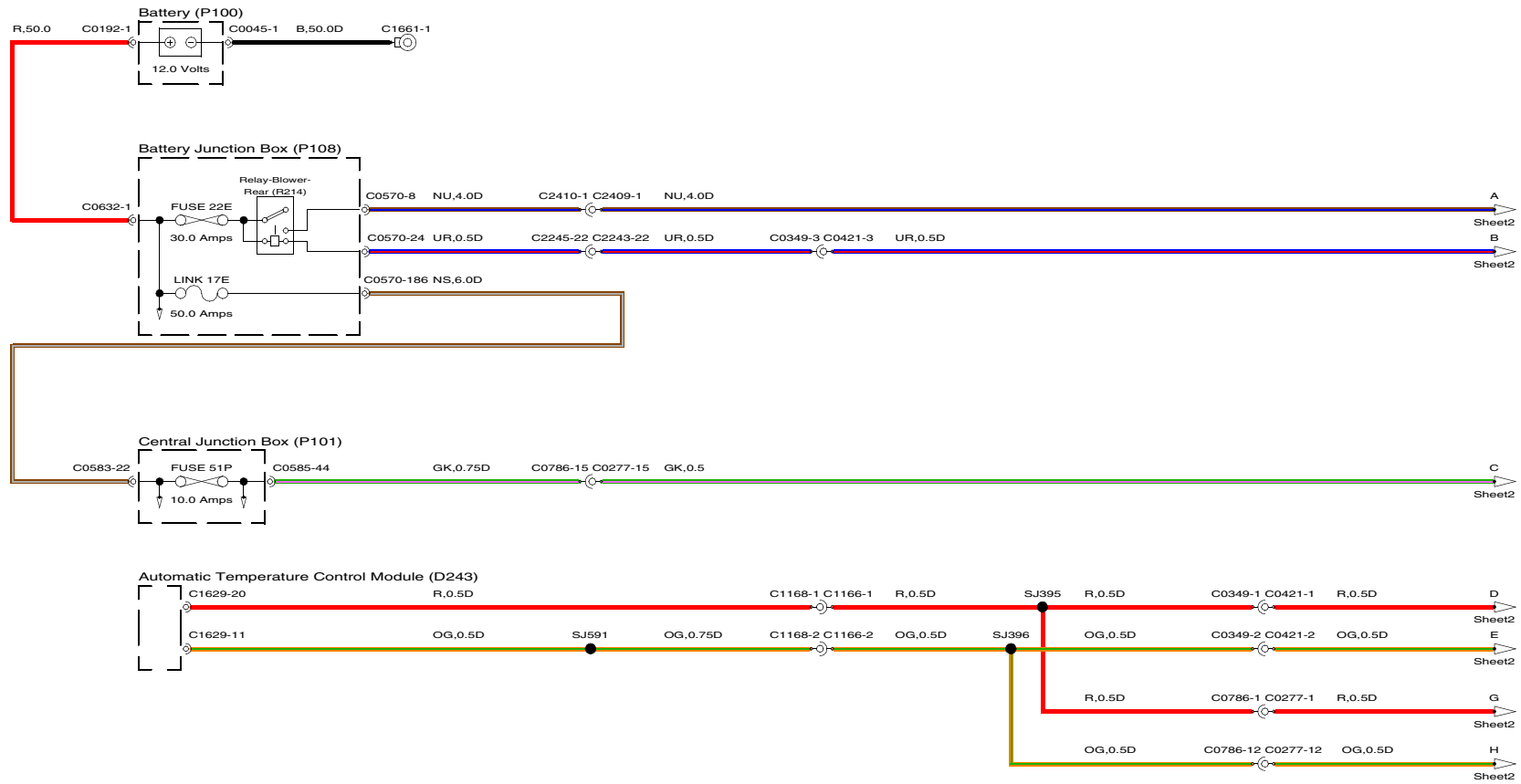


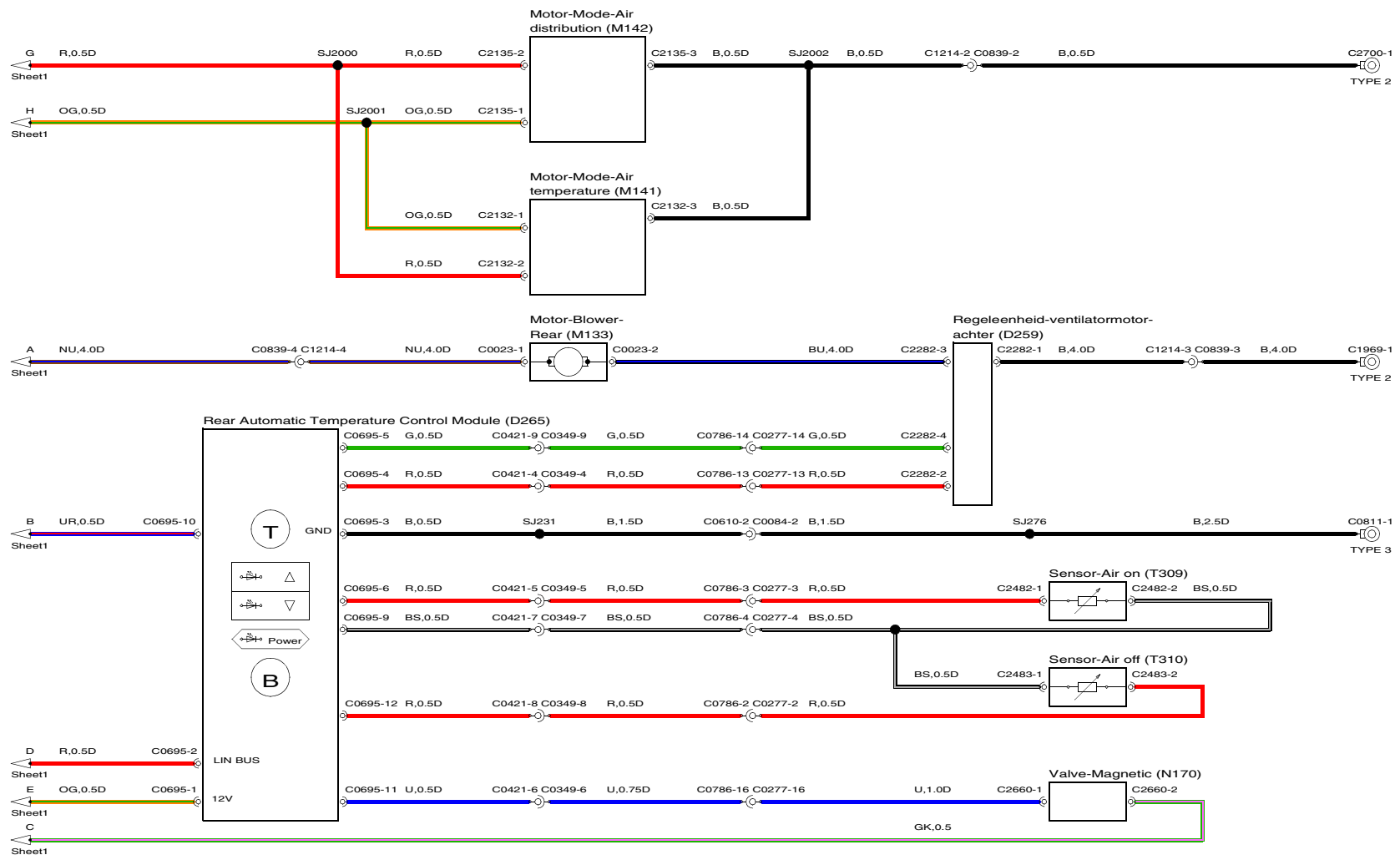


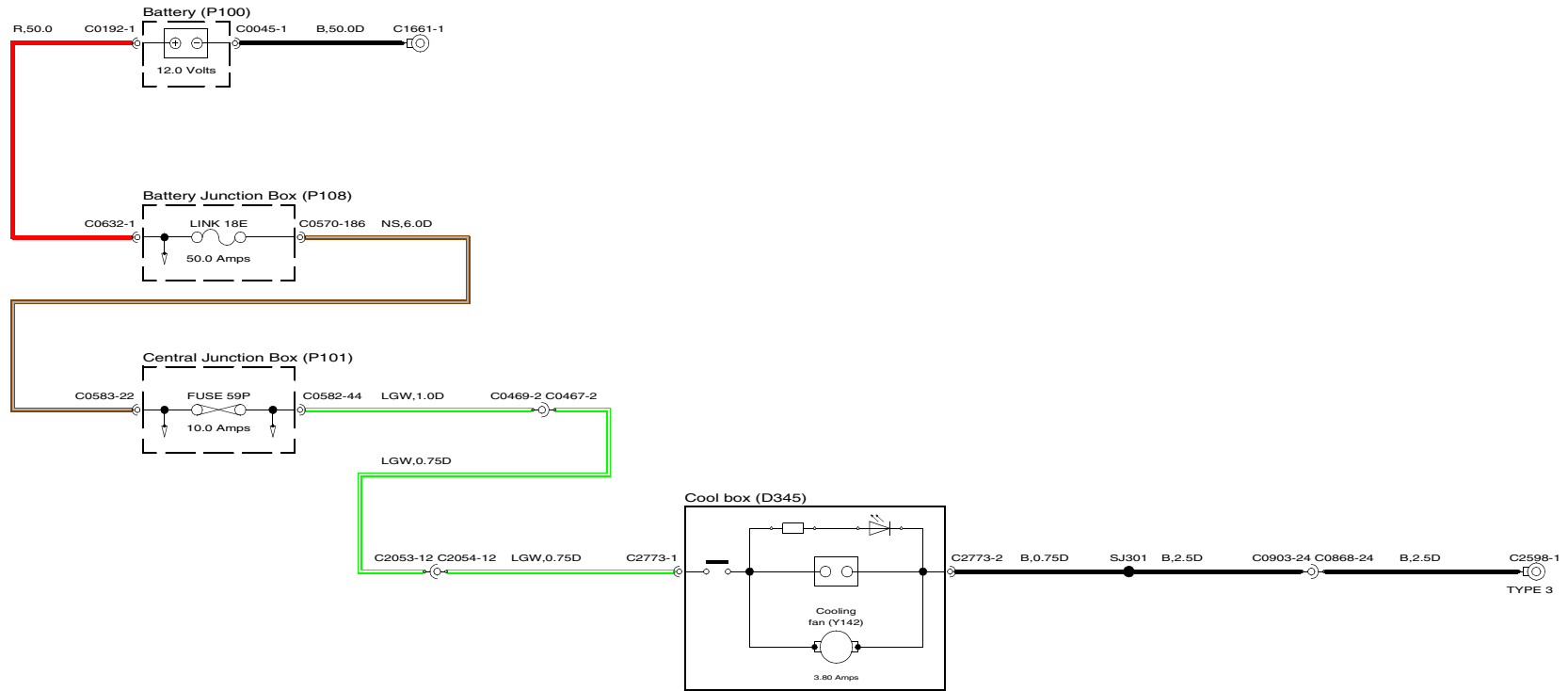




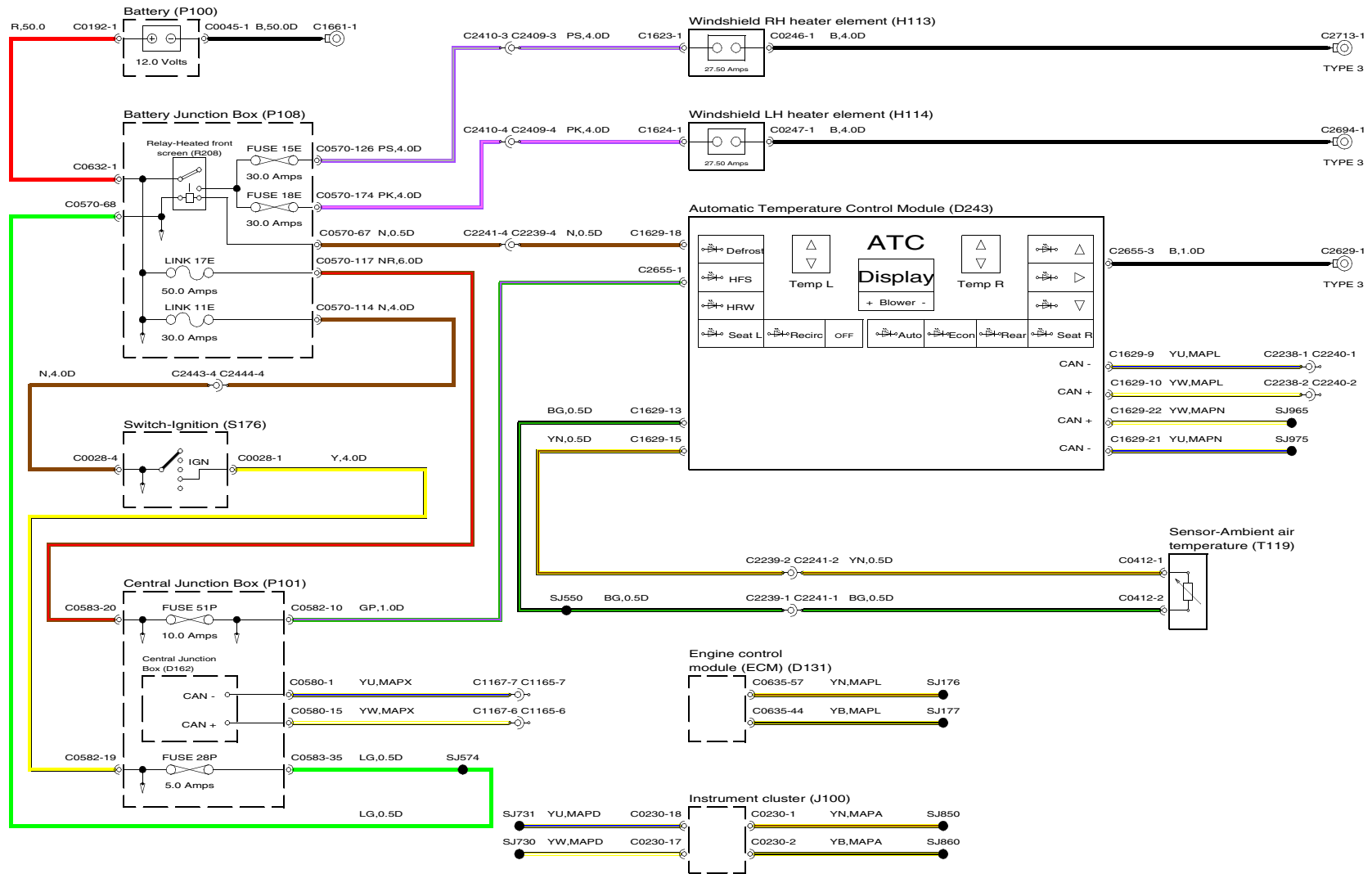






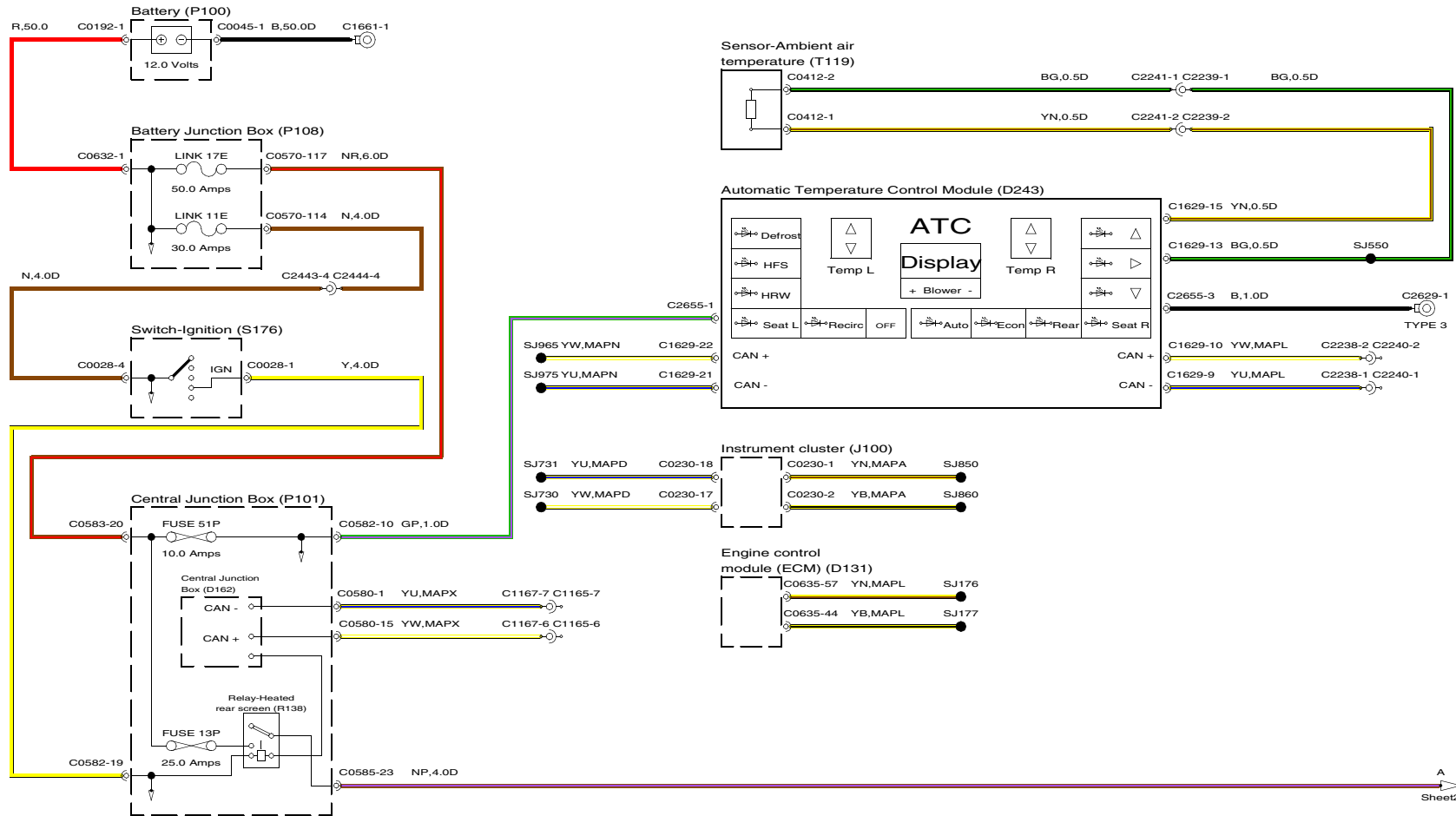






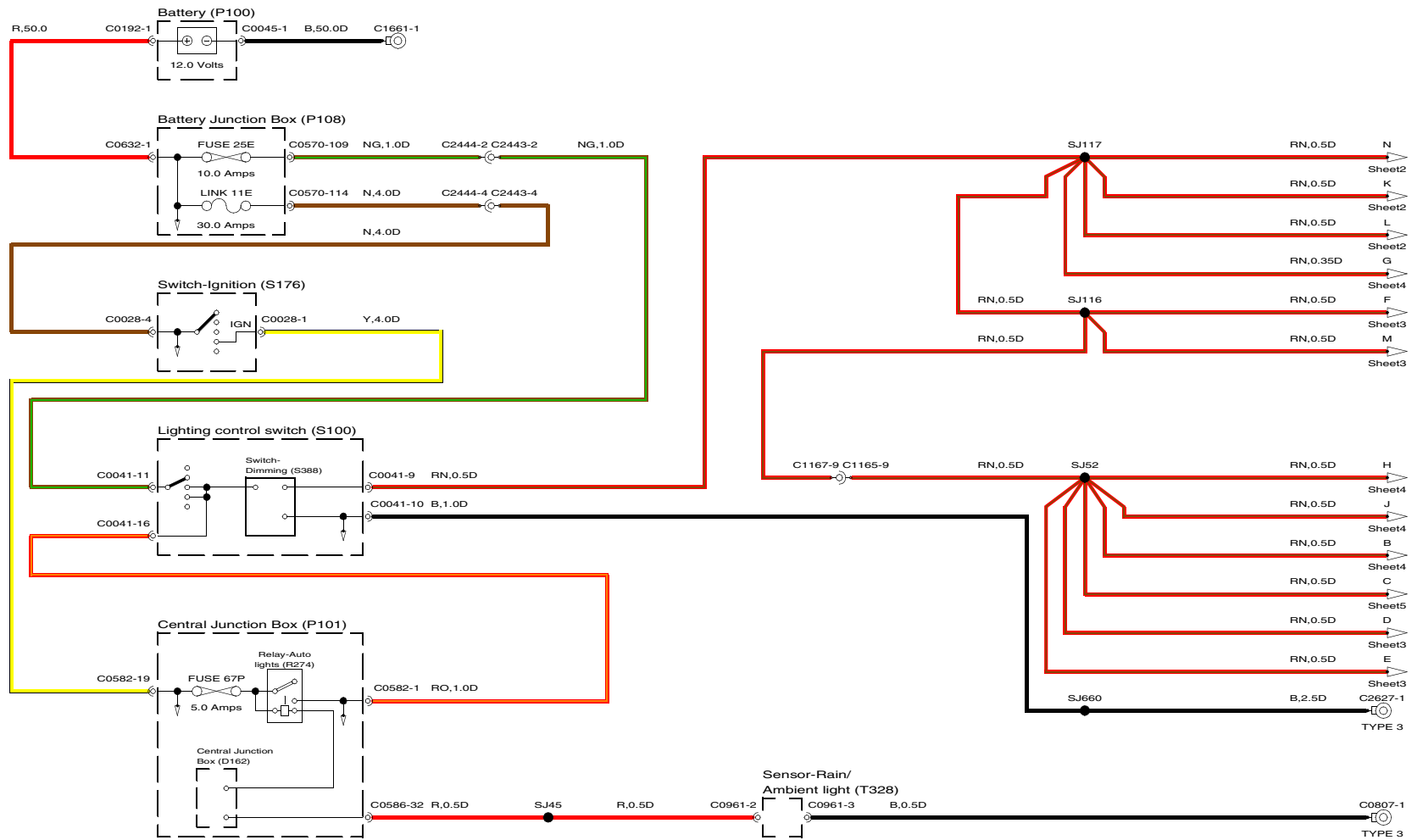




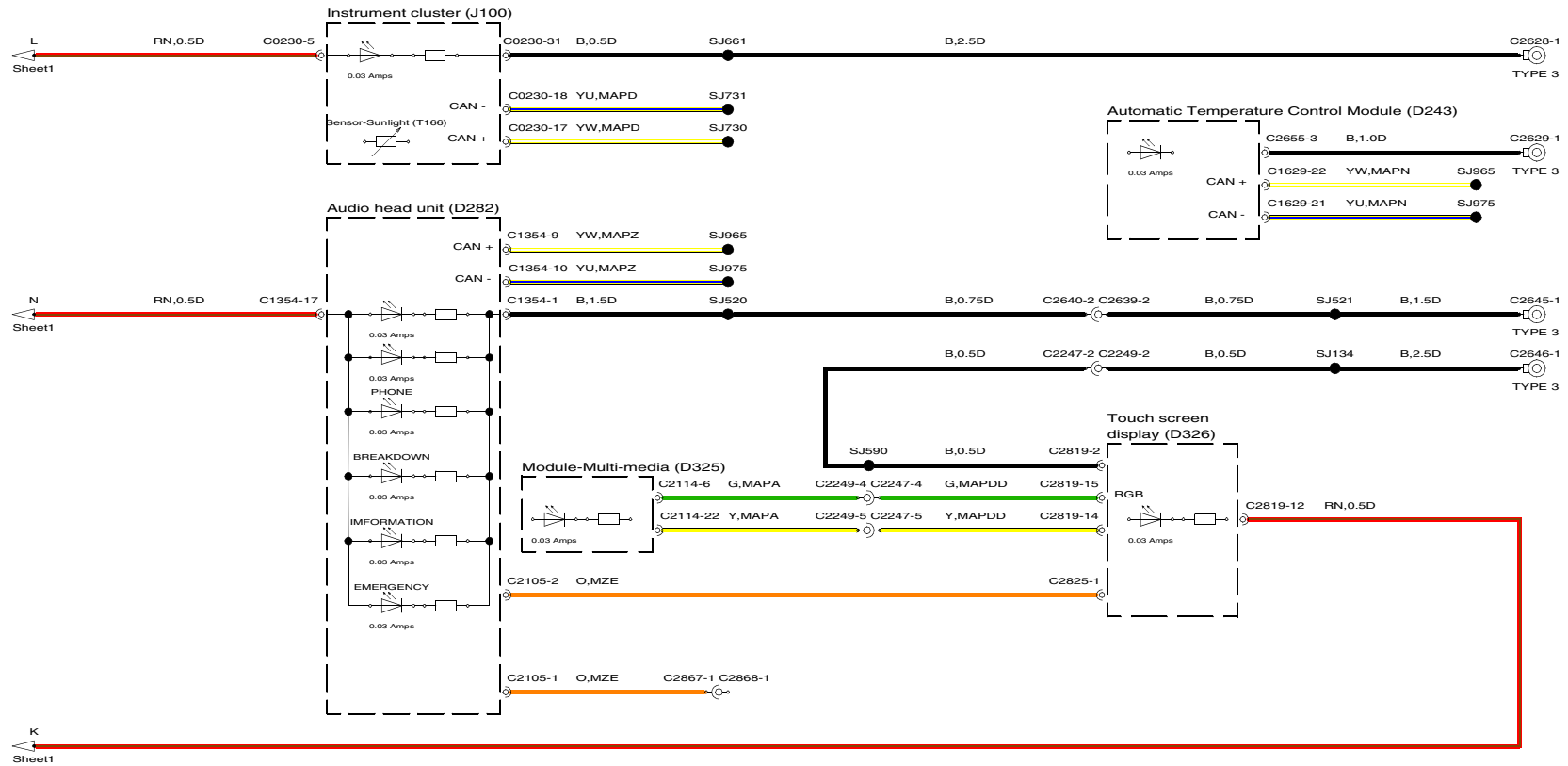




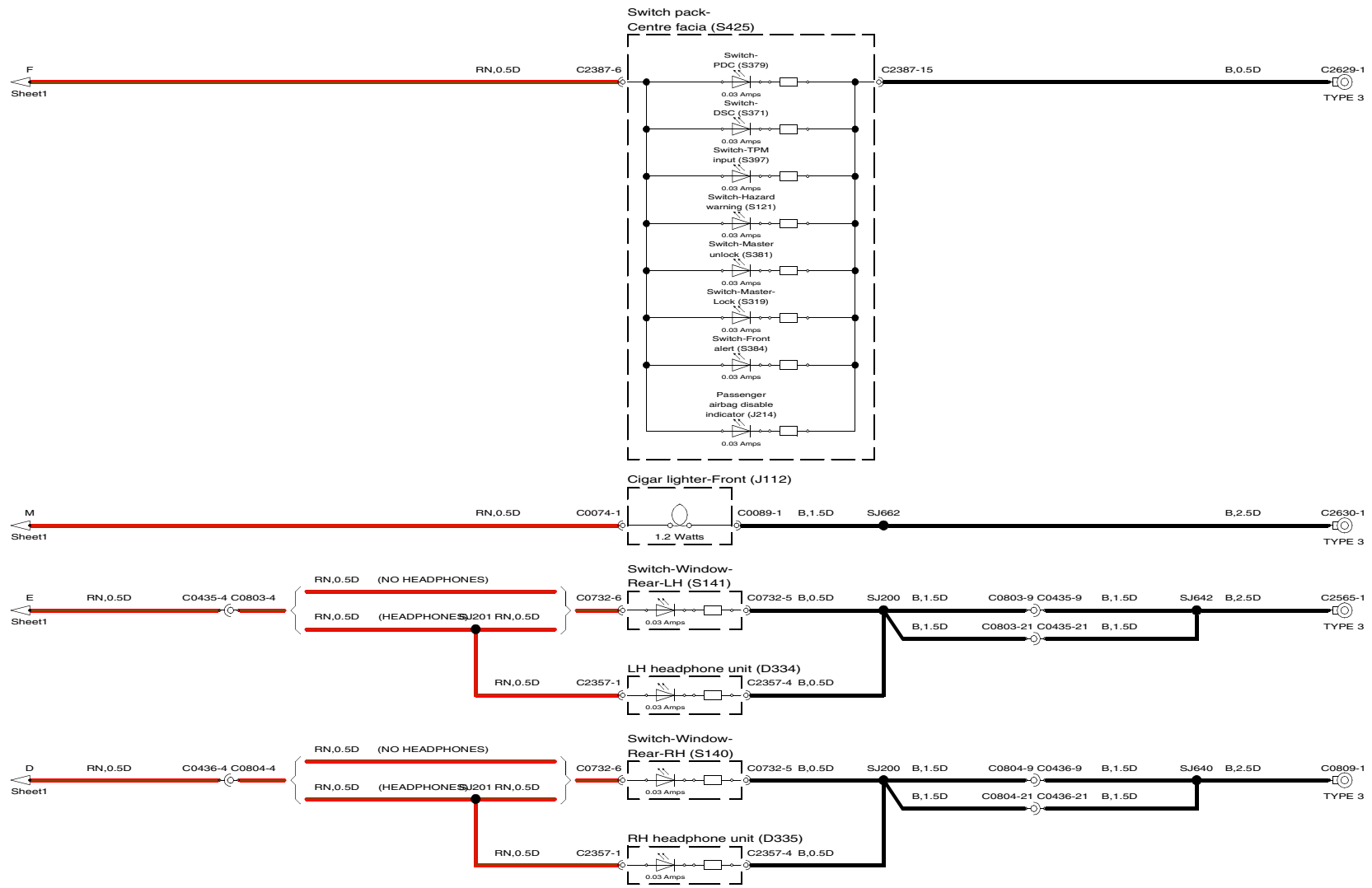
# 413 INSTRUMENT CLUSTER AND PANEL ILLUMINATION



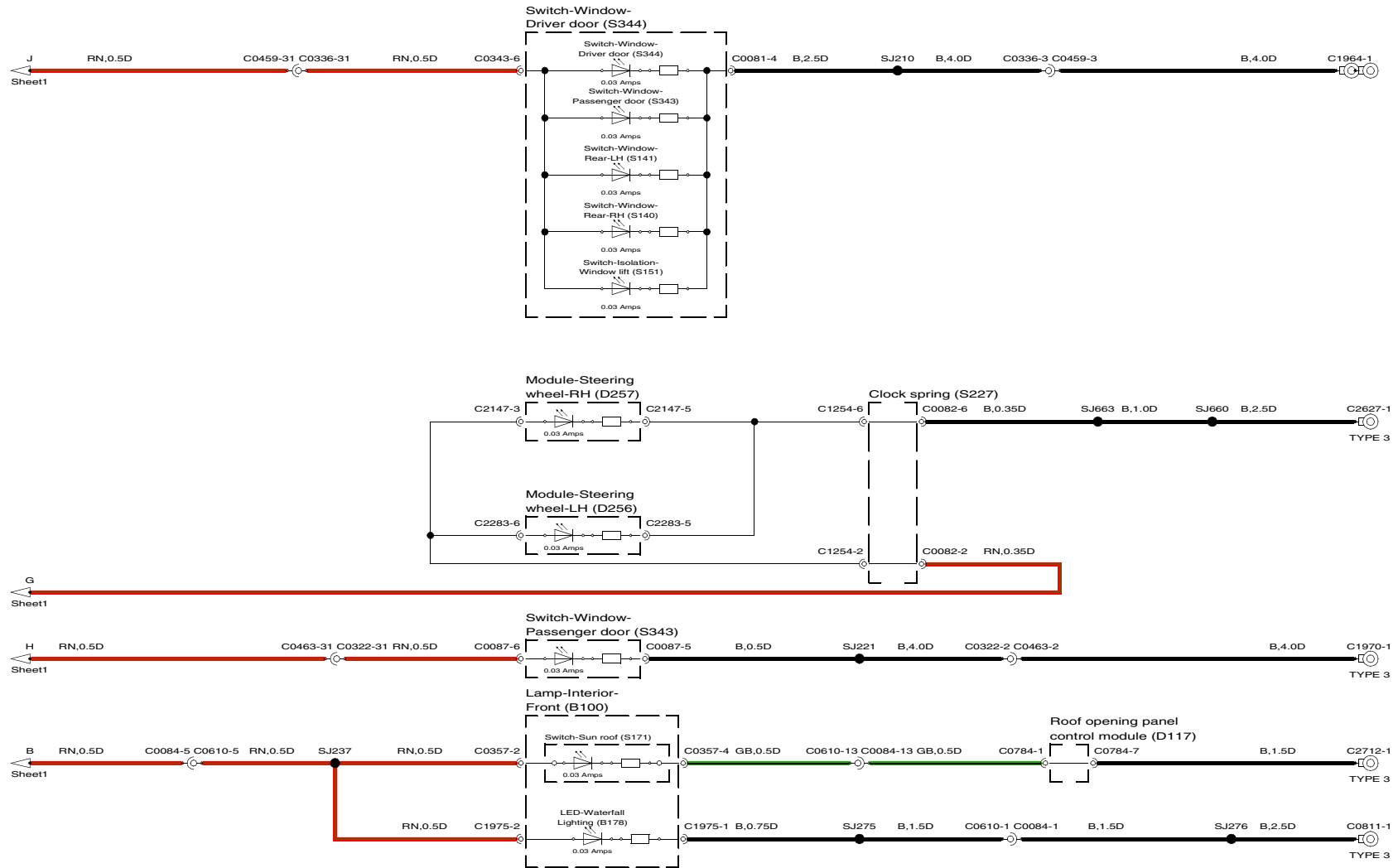
# 413 INSTRUMENT CLUSTER AND PANEL ILLUMINATION



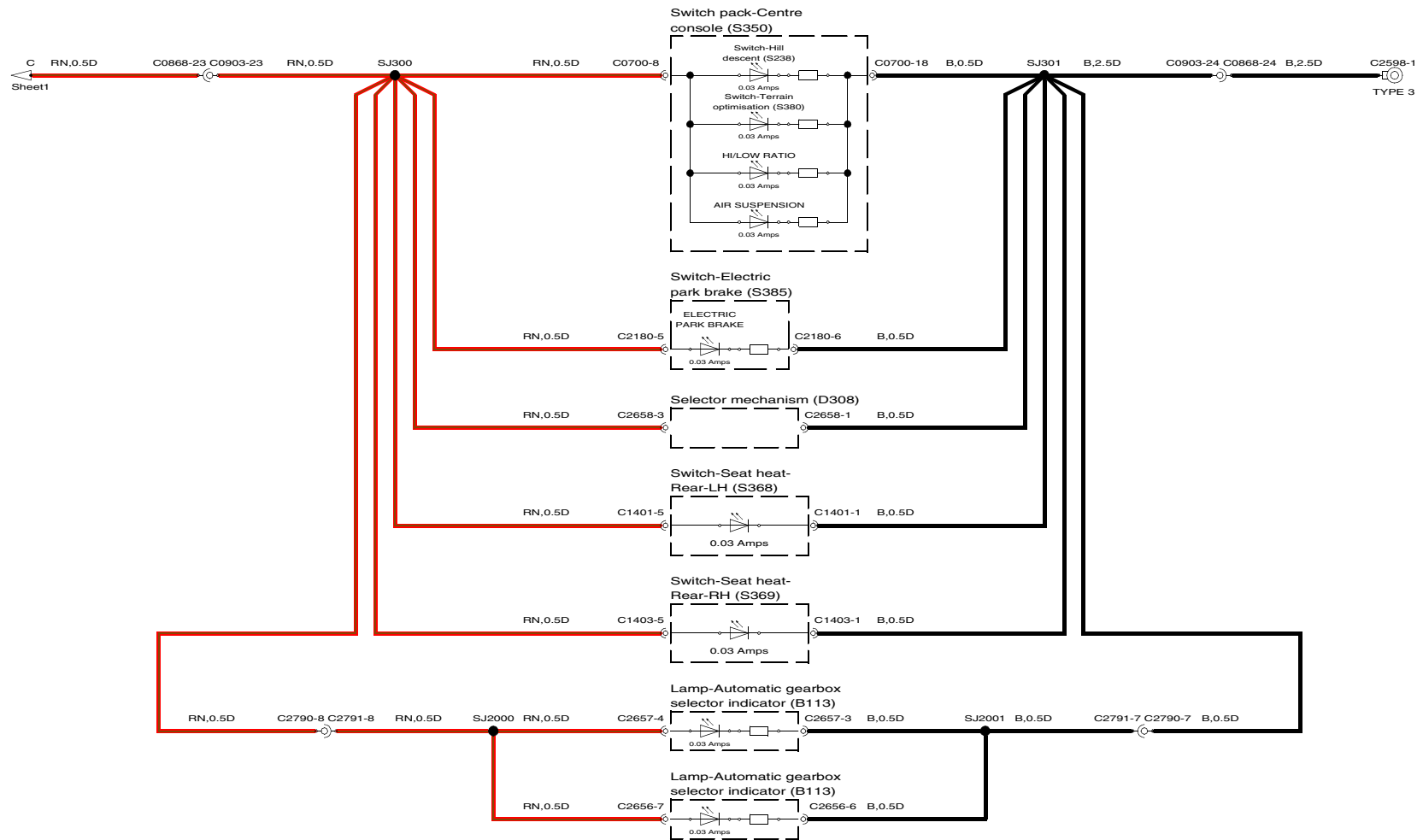
# 413 INSTRUMENT CLUSTER AND PANEL ILLUMINATION



# 413 INSTRUMENT CLUSTER AND PANEL ILLUMINATION



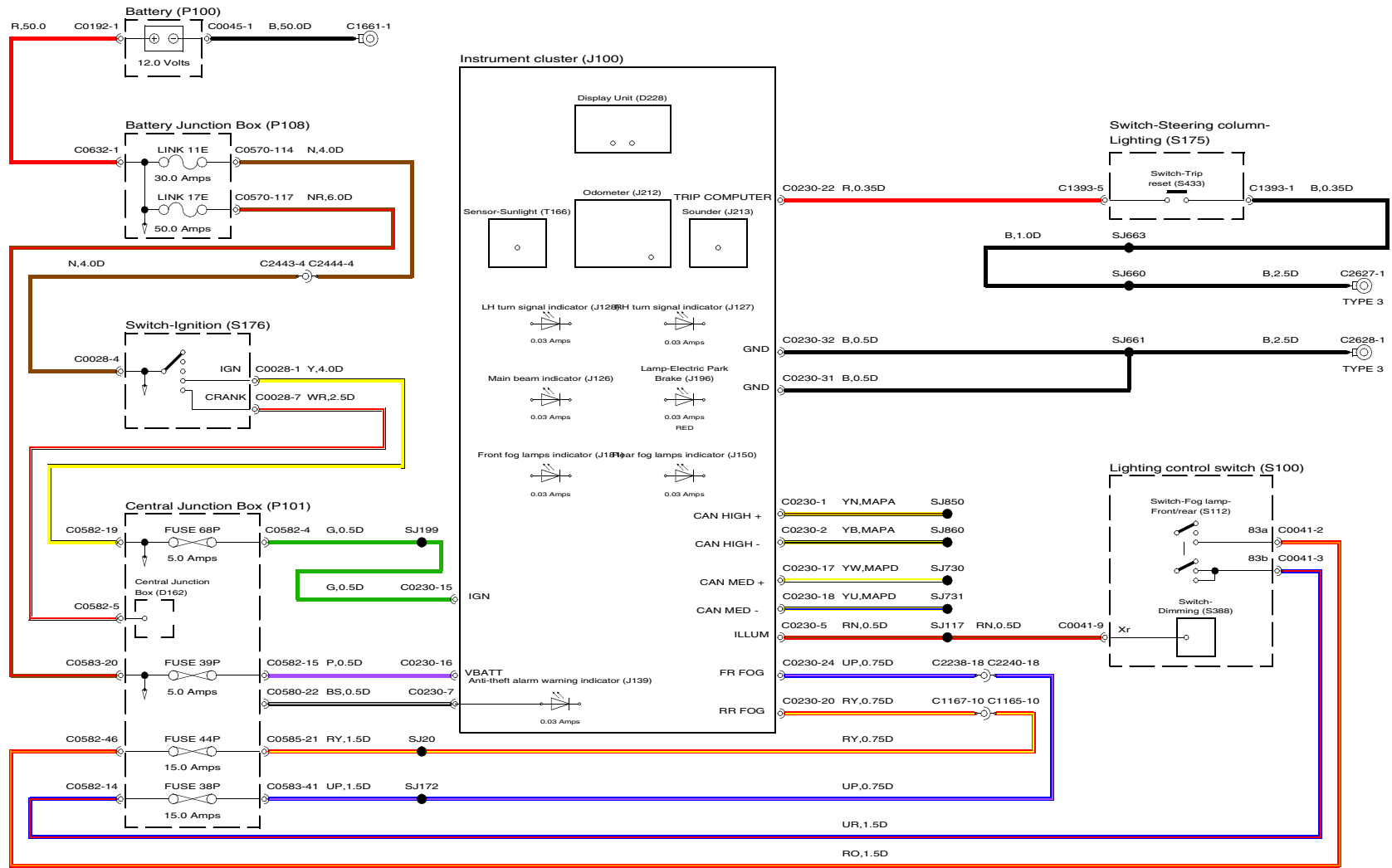
# 413 INSTRUMENT CLUSTER AND PANEL ILLUMINATION

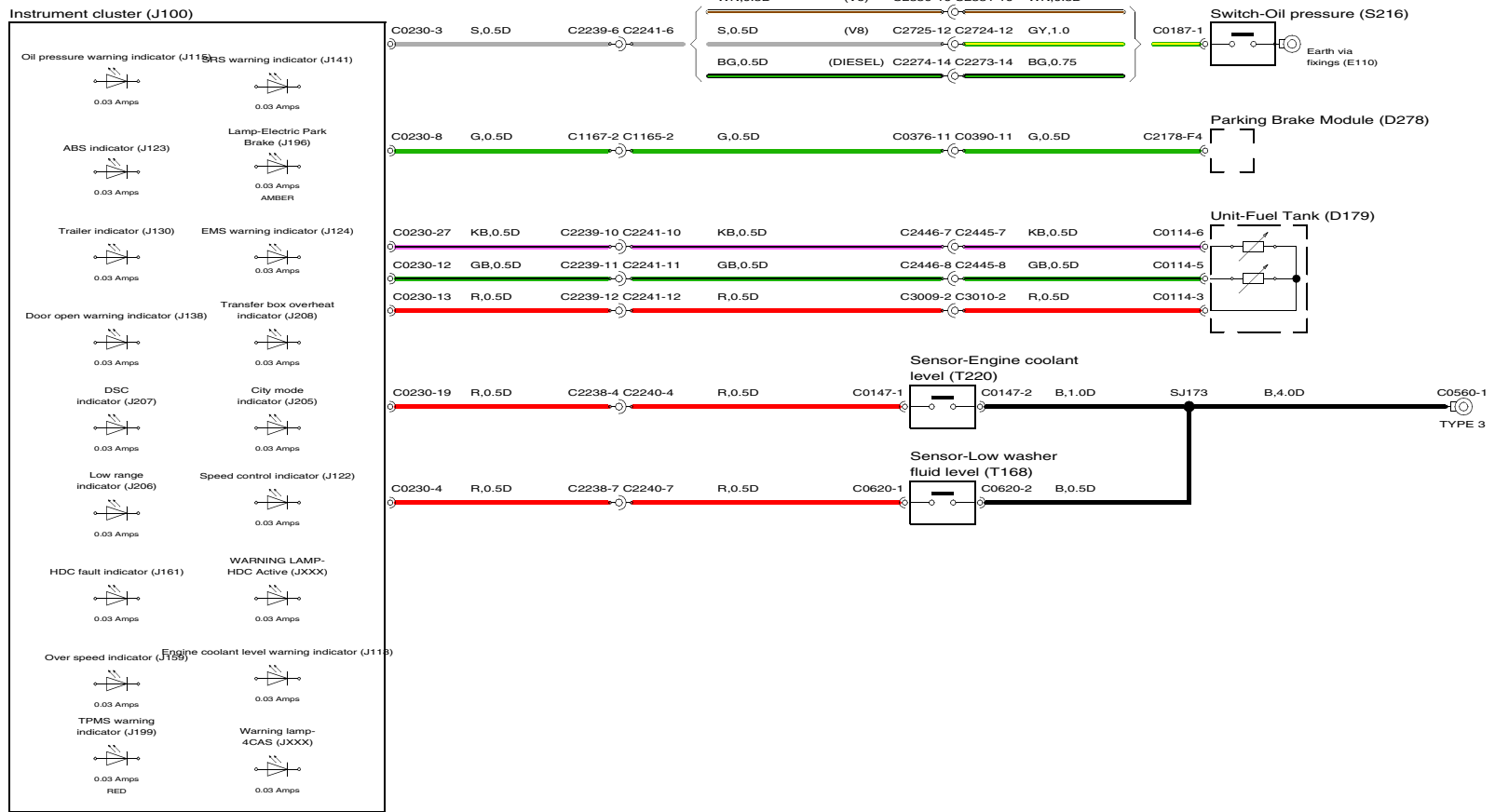




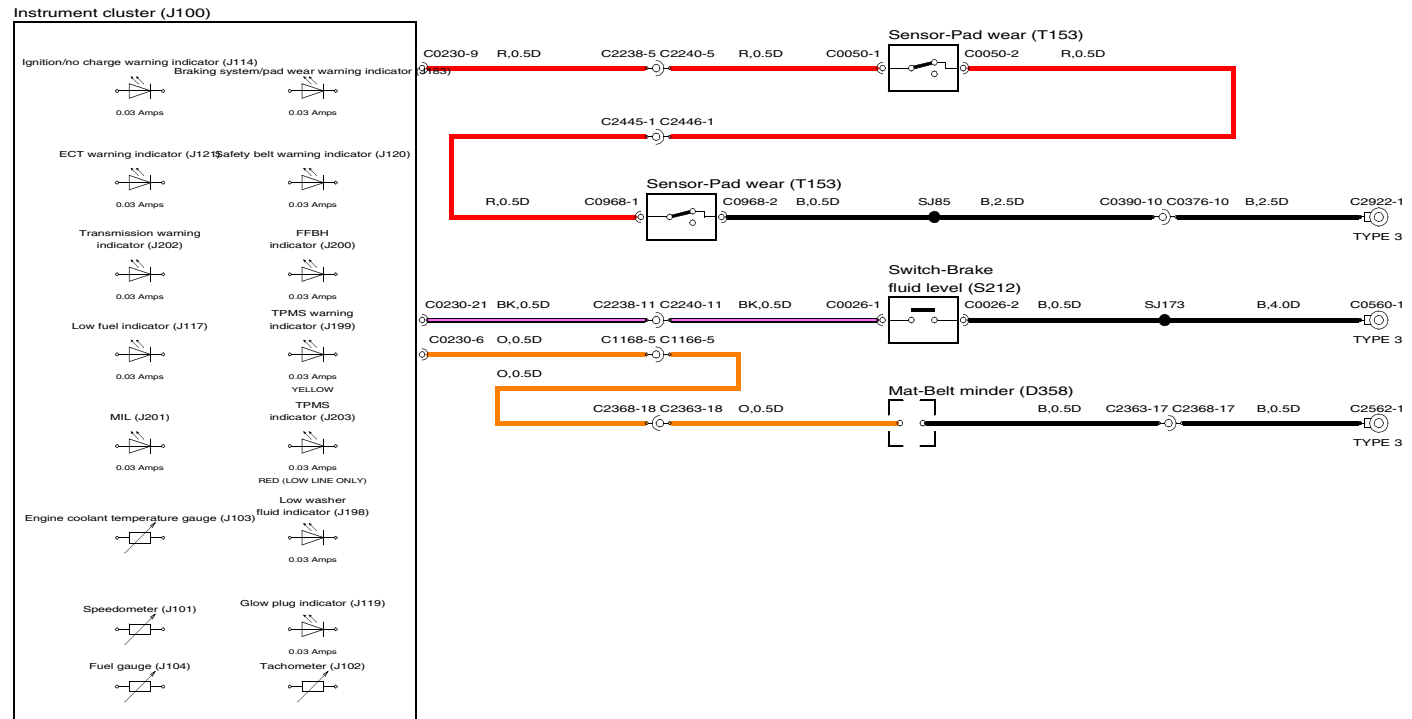


# 413 INSTRUMENT CLUSTER



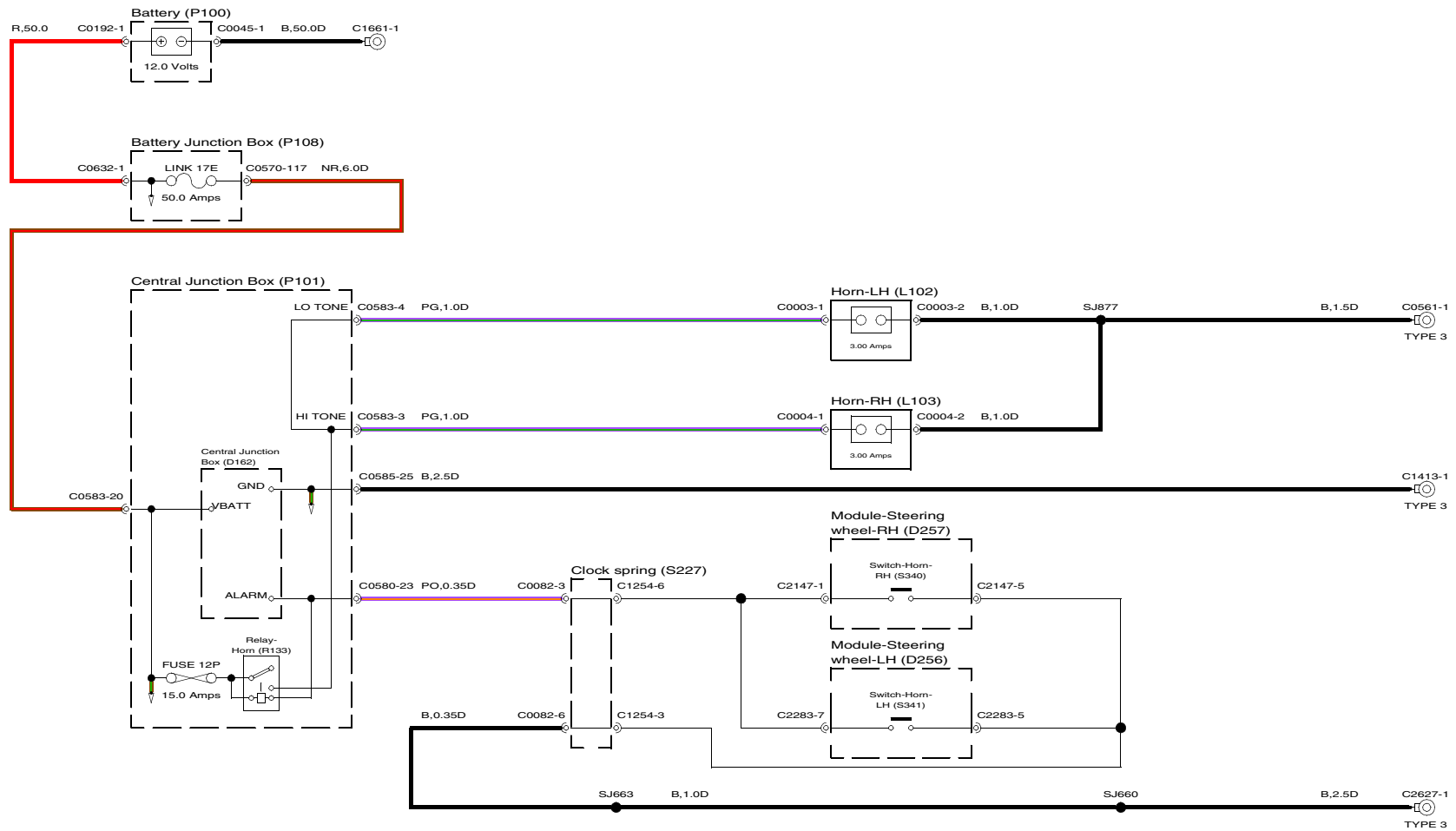


# 413 INSTRUMENT CLUSTER

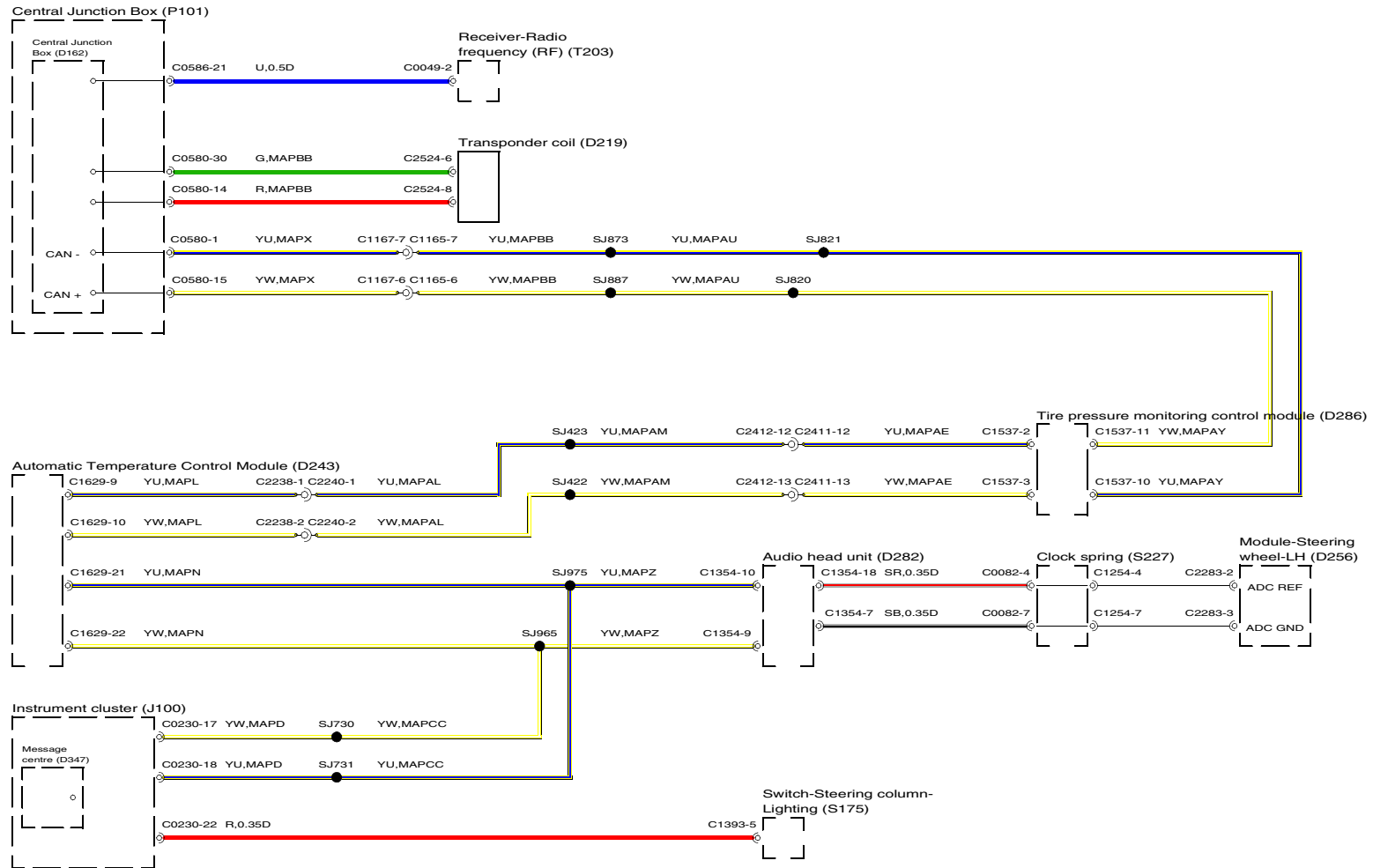




# 413 HORN



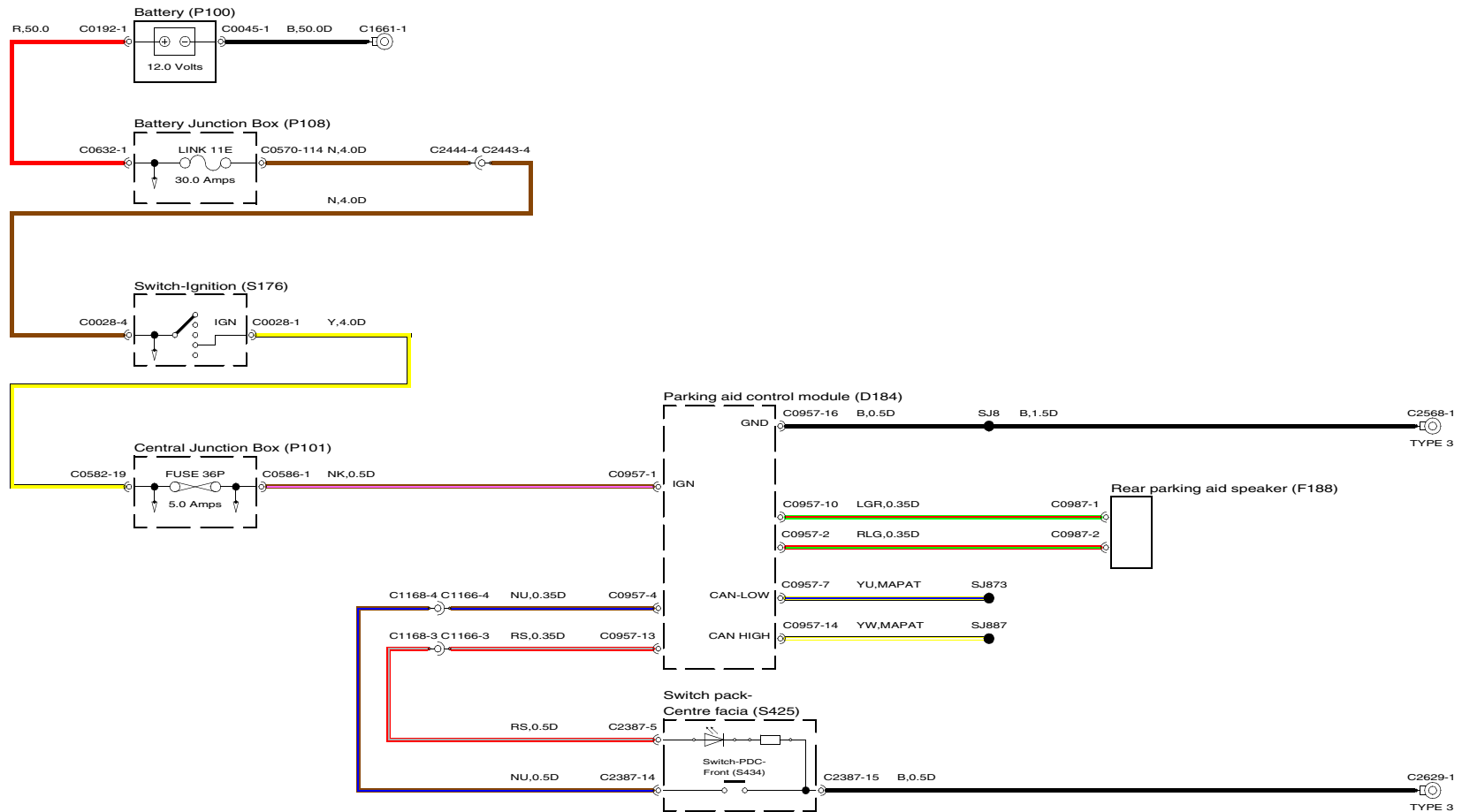


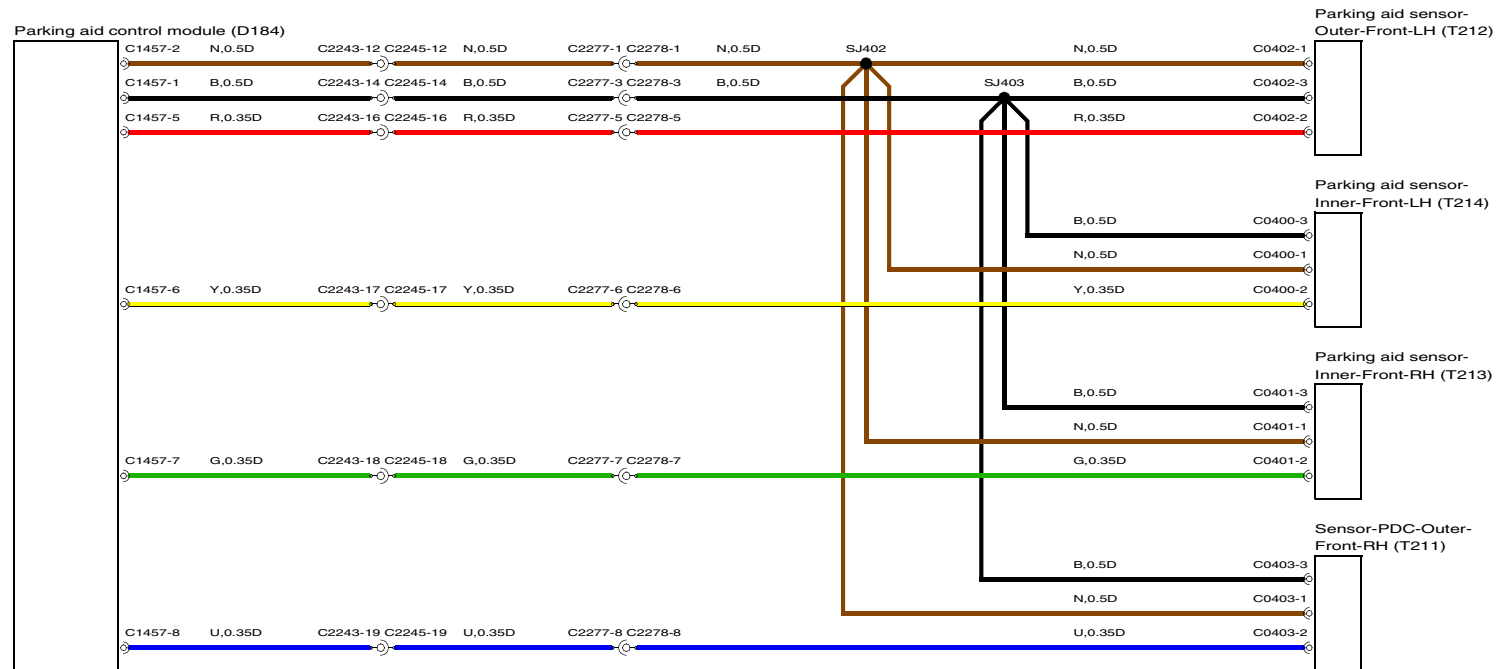




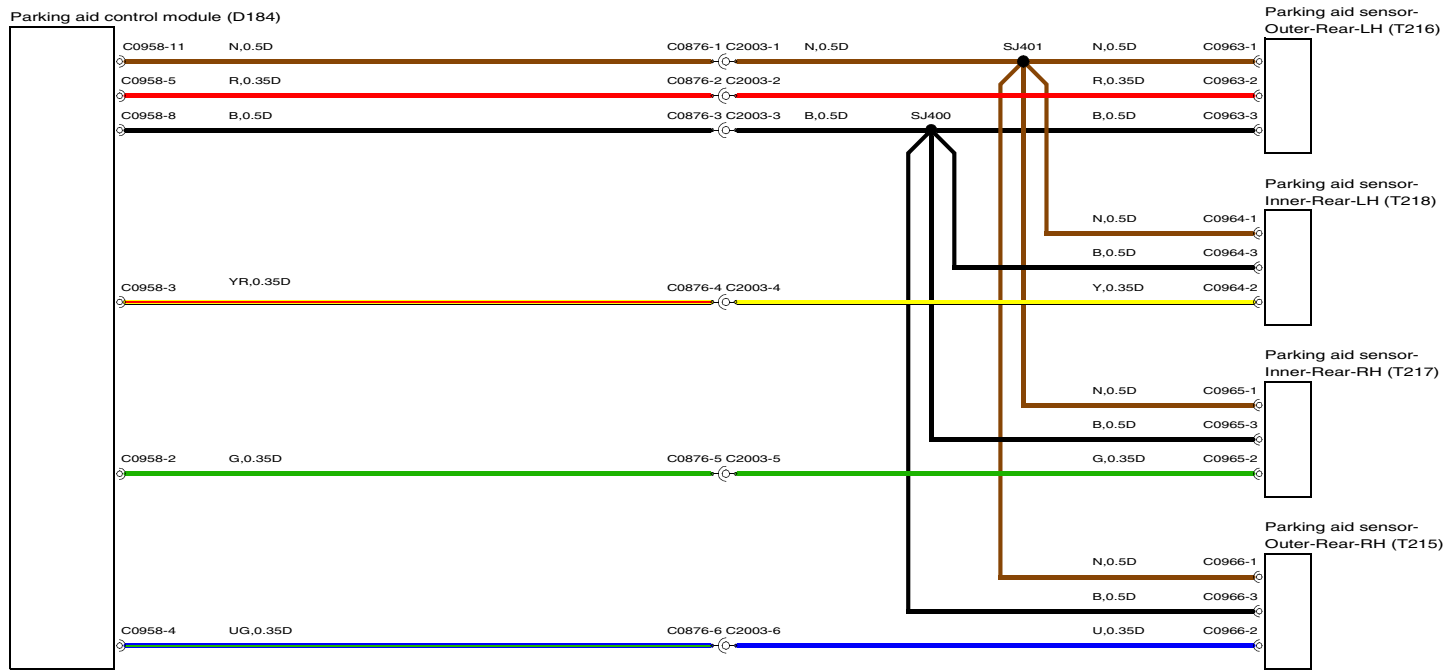


# 413 PARKING AID

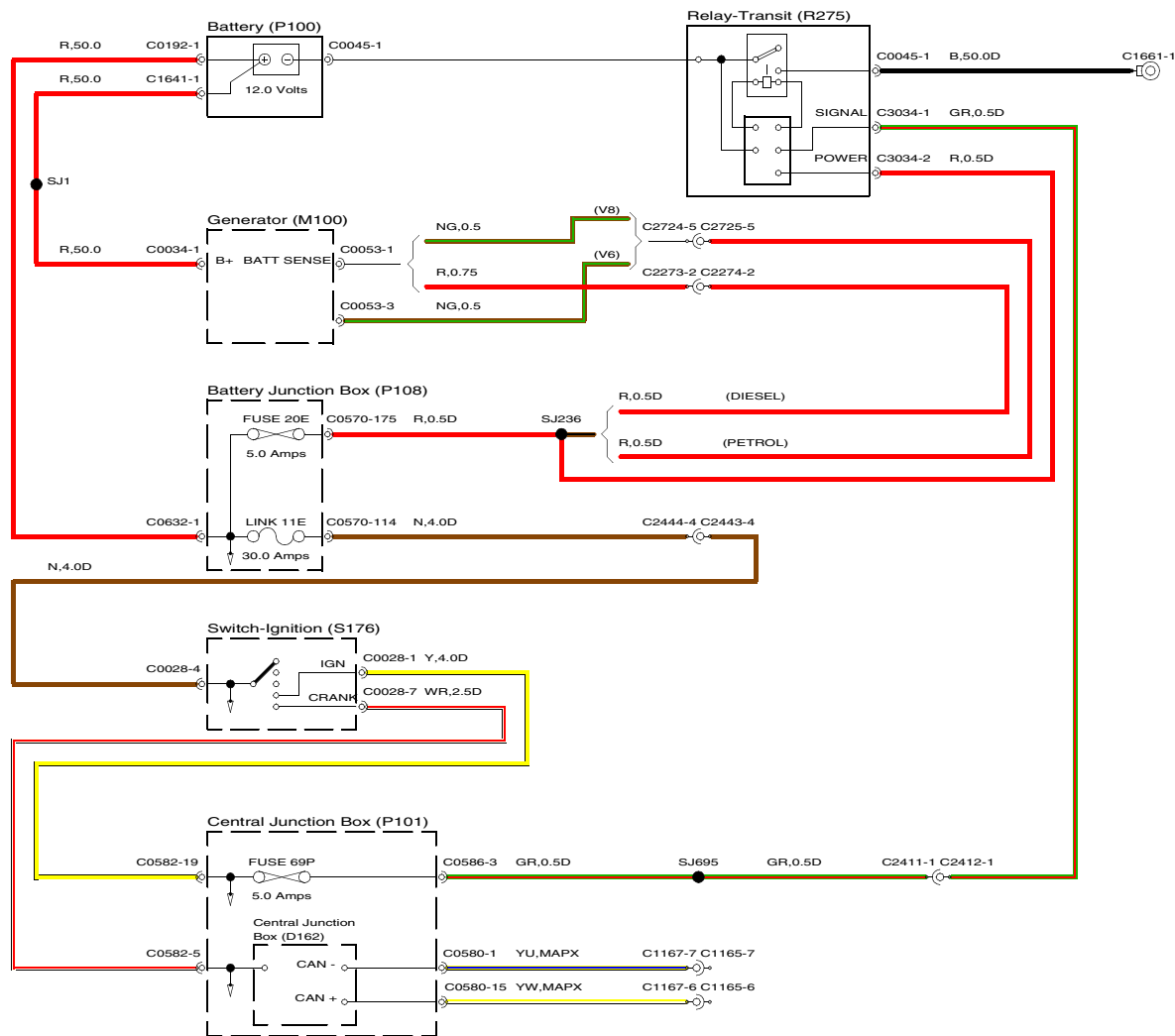




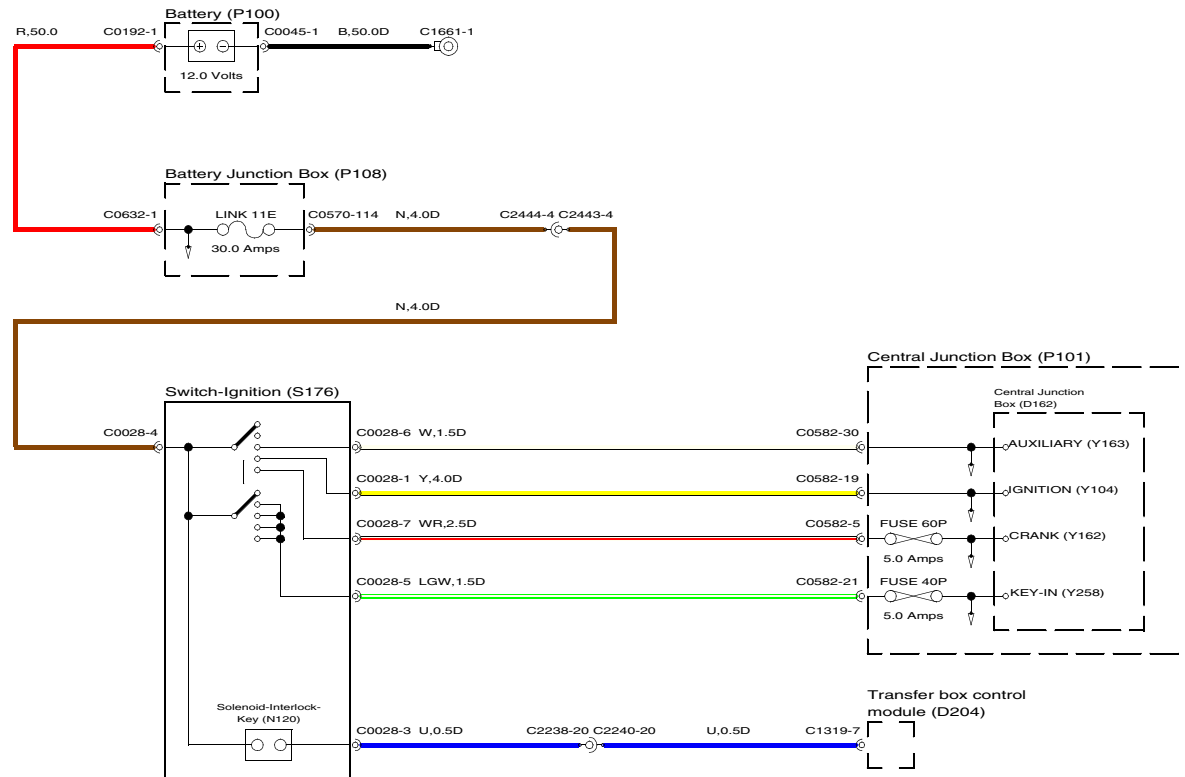
# 413 PARKING AID





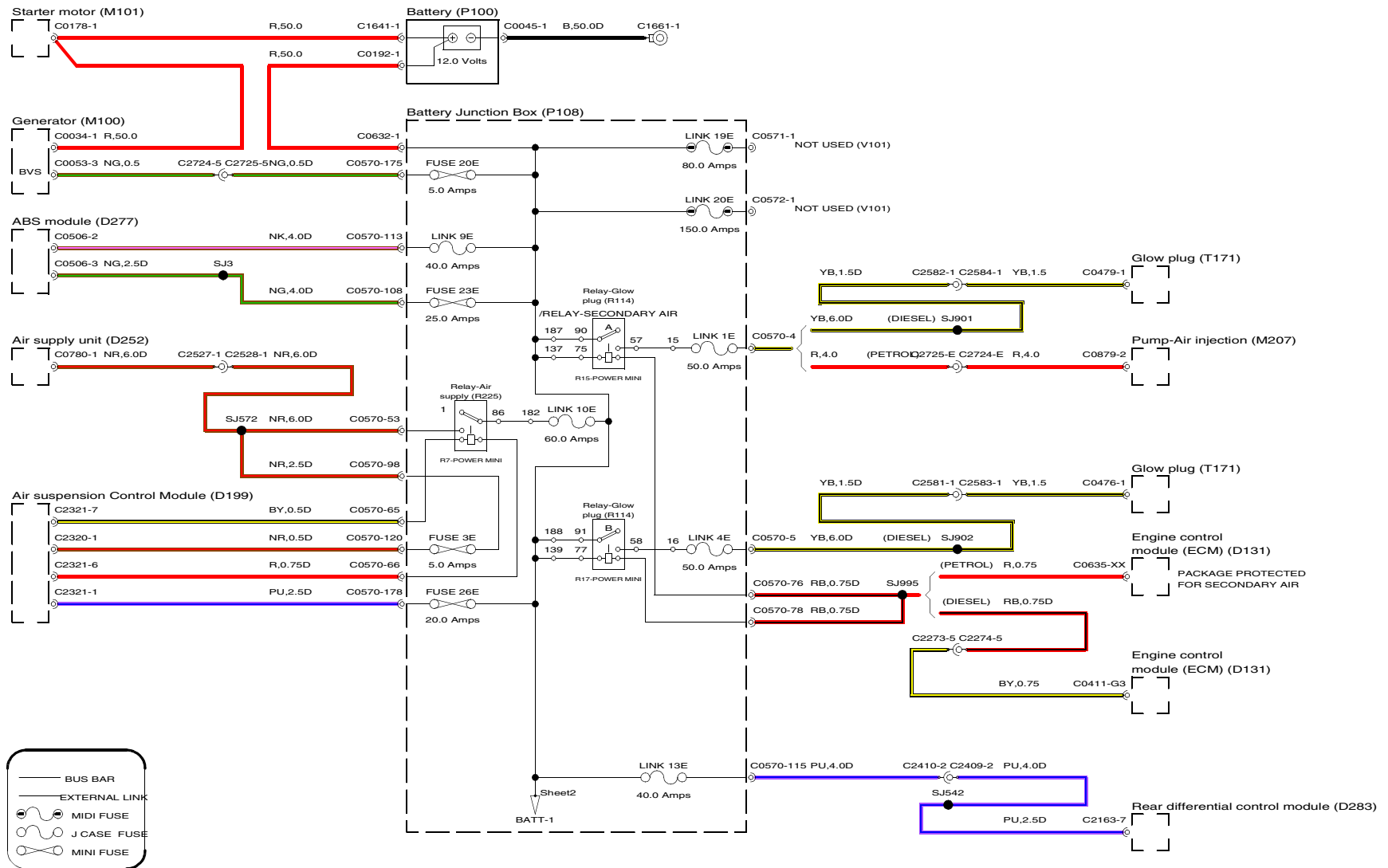


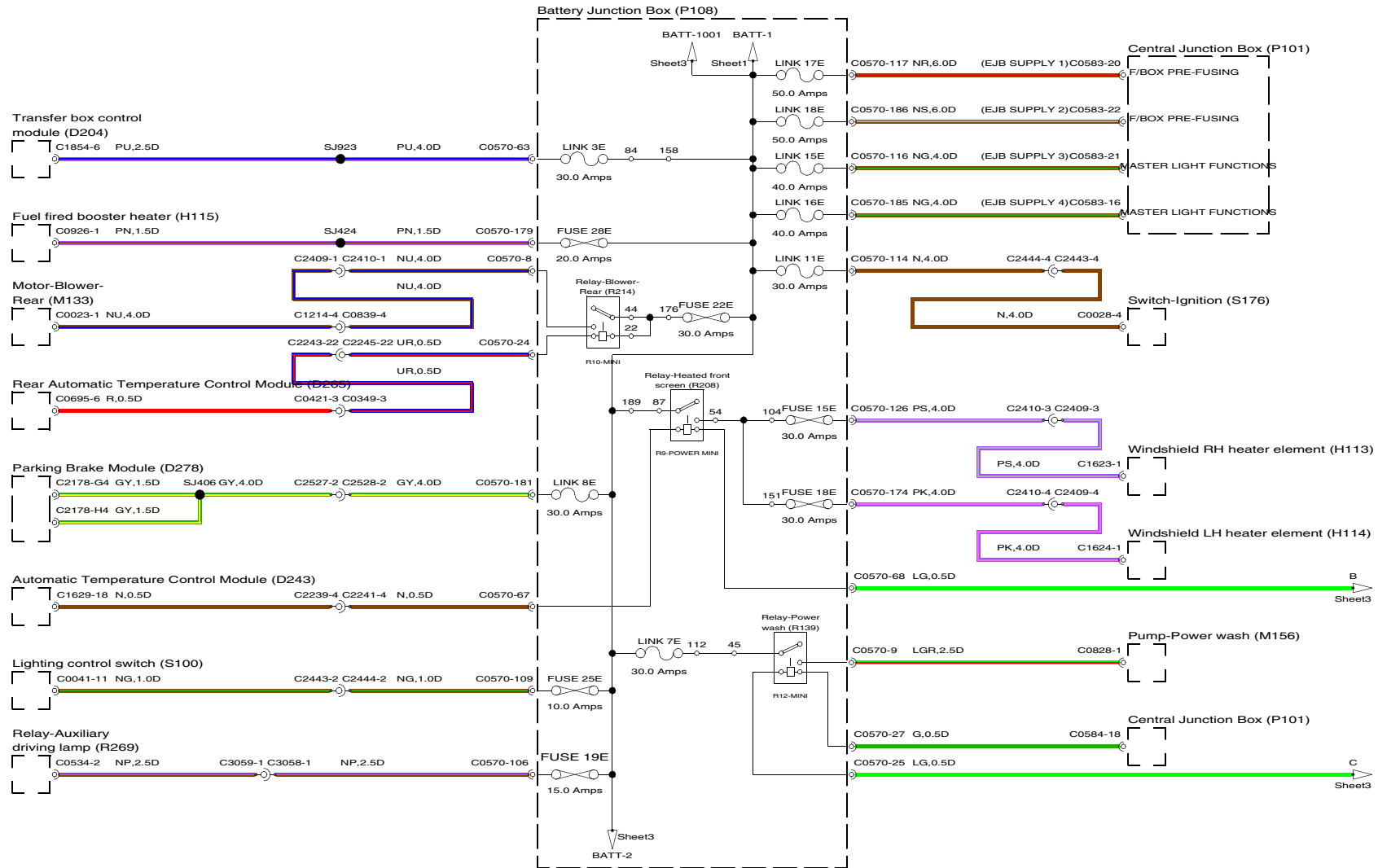


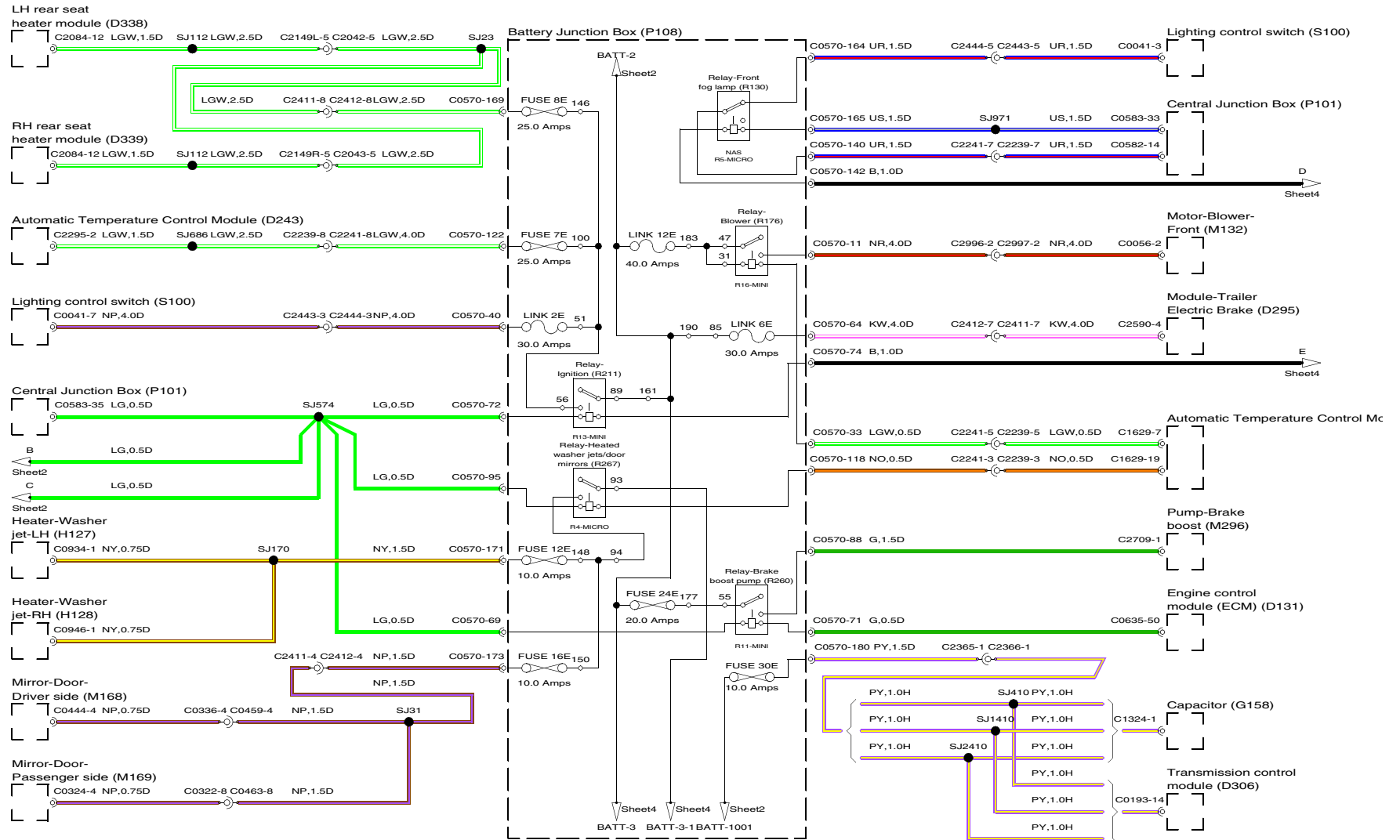


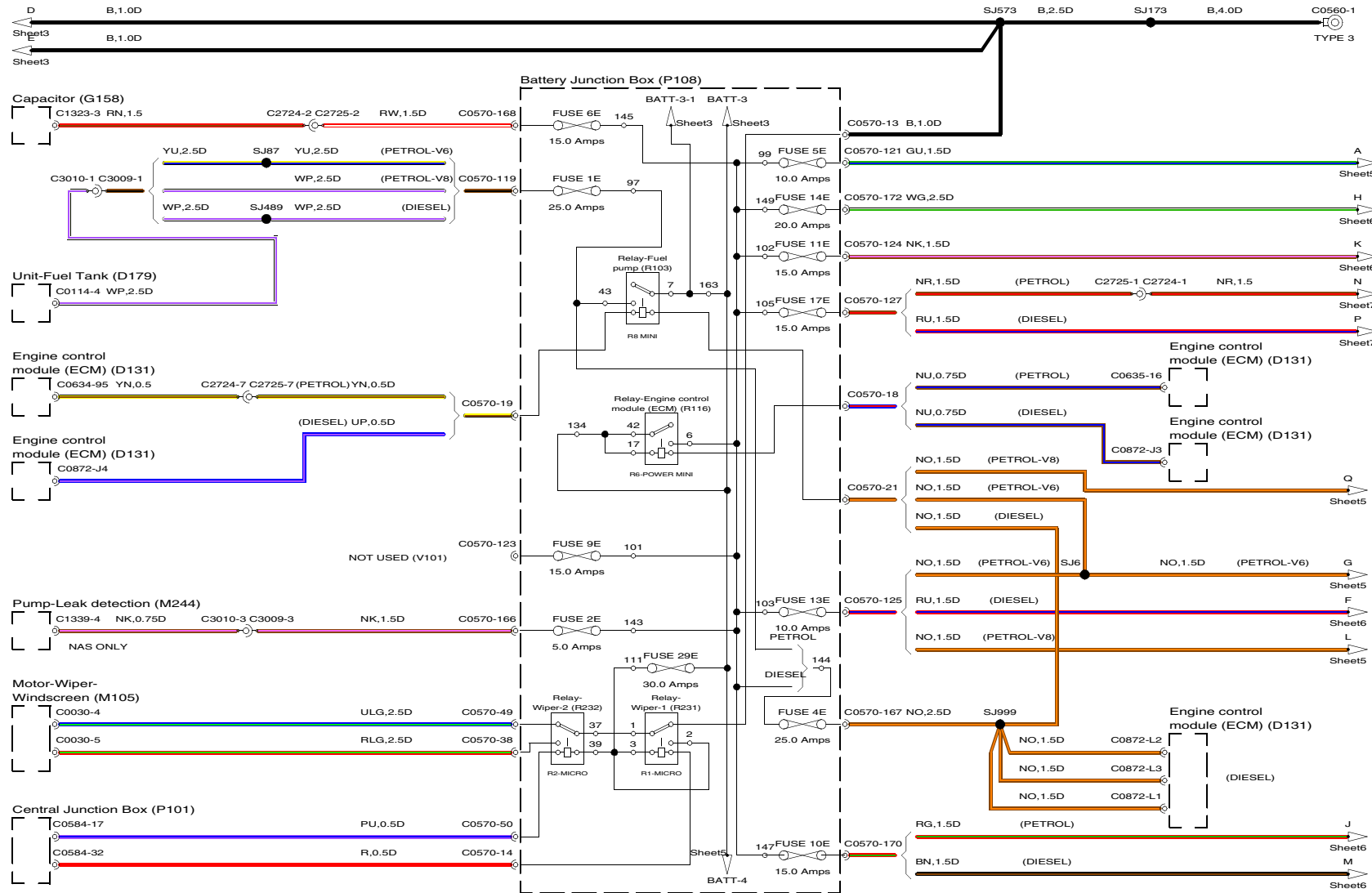


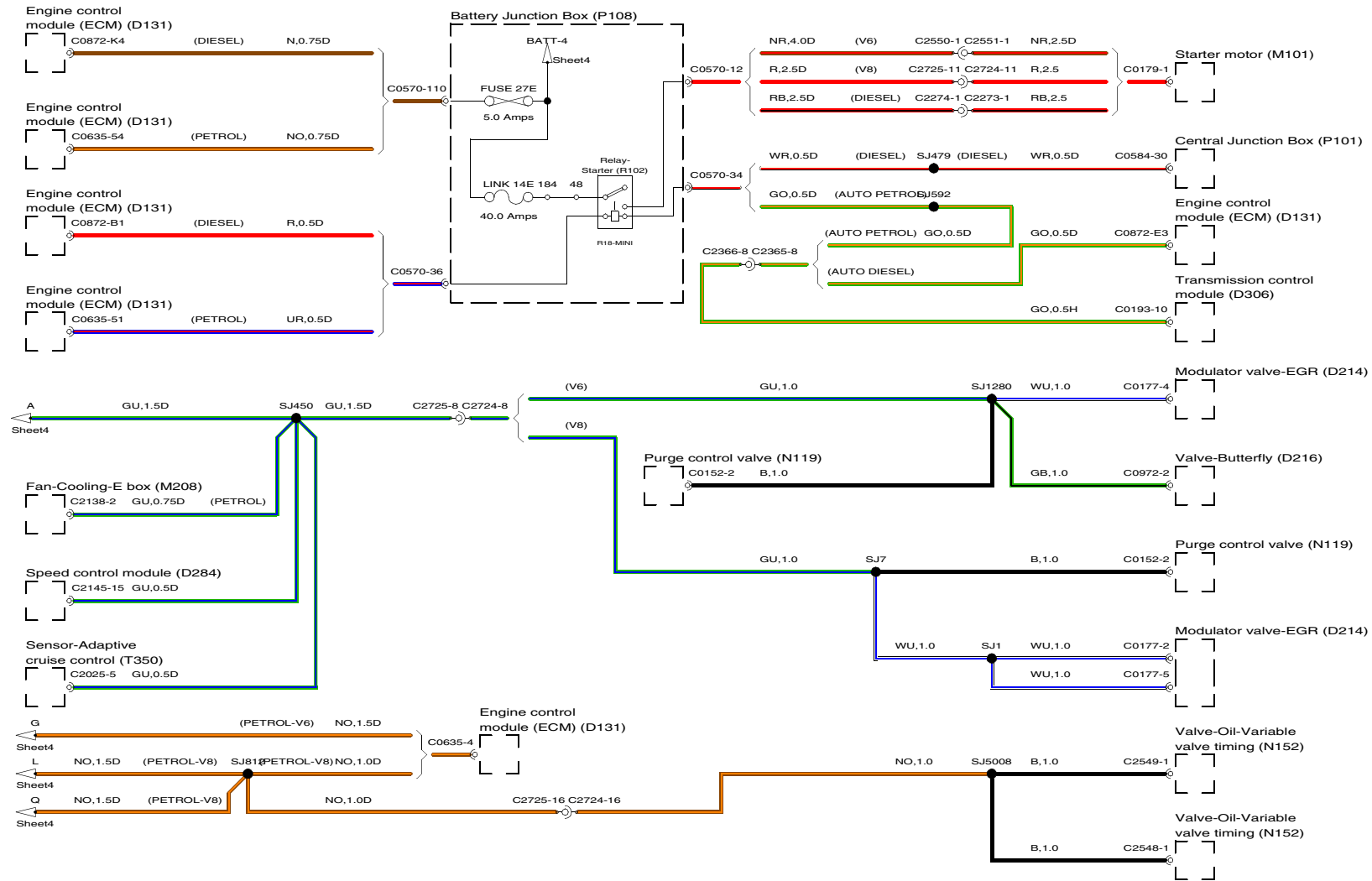


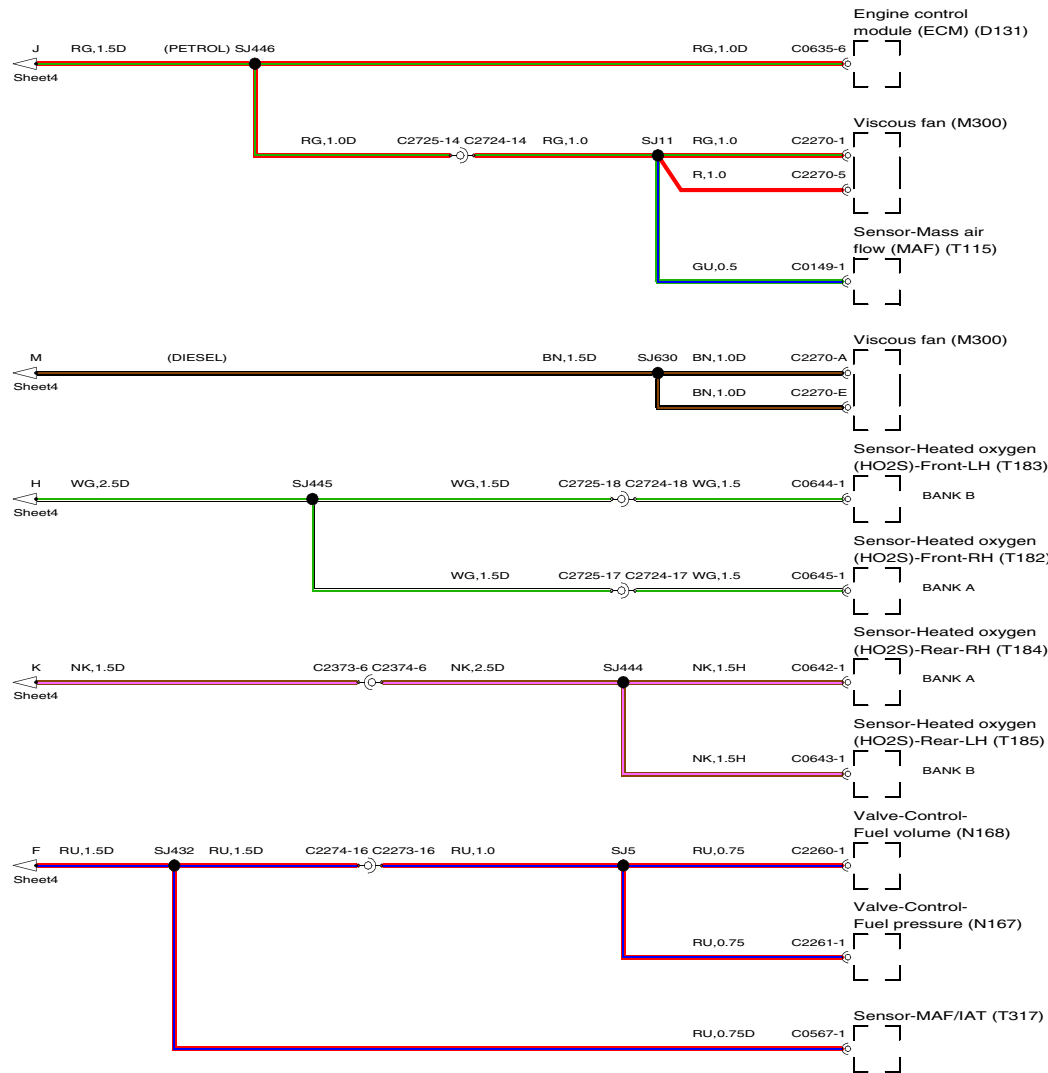


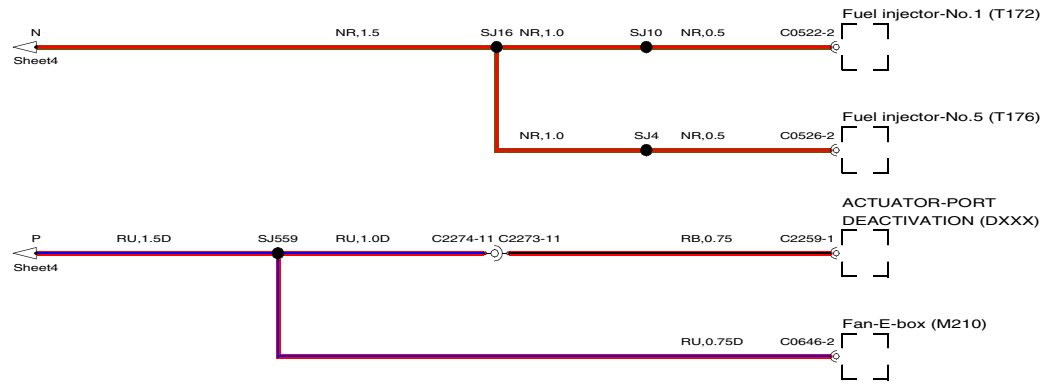






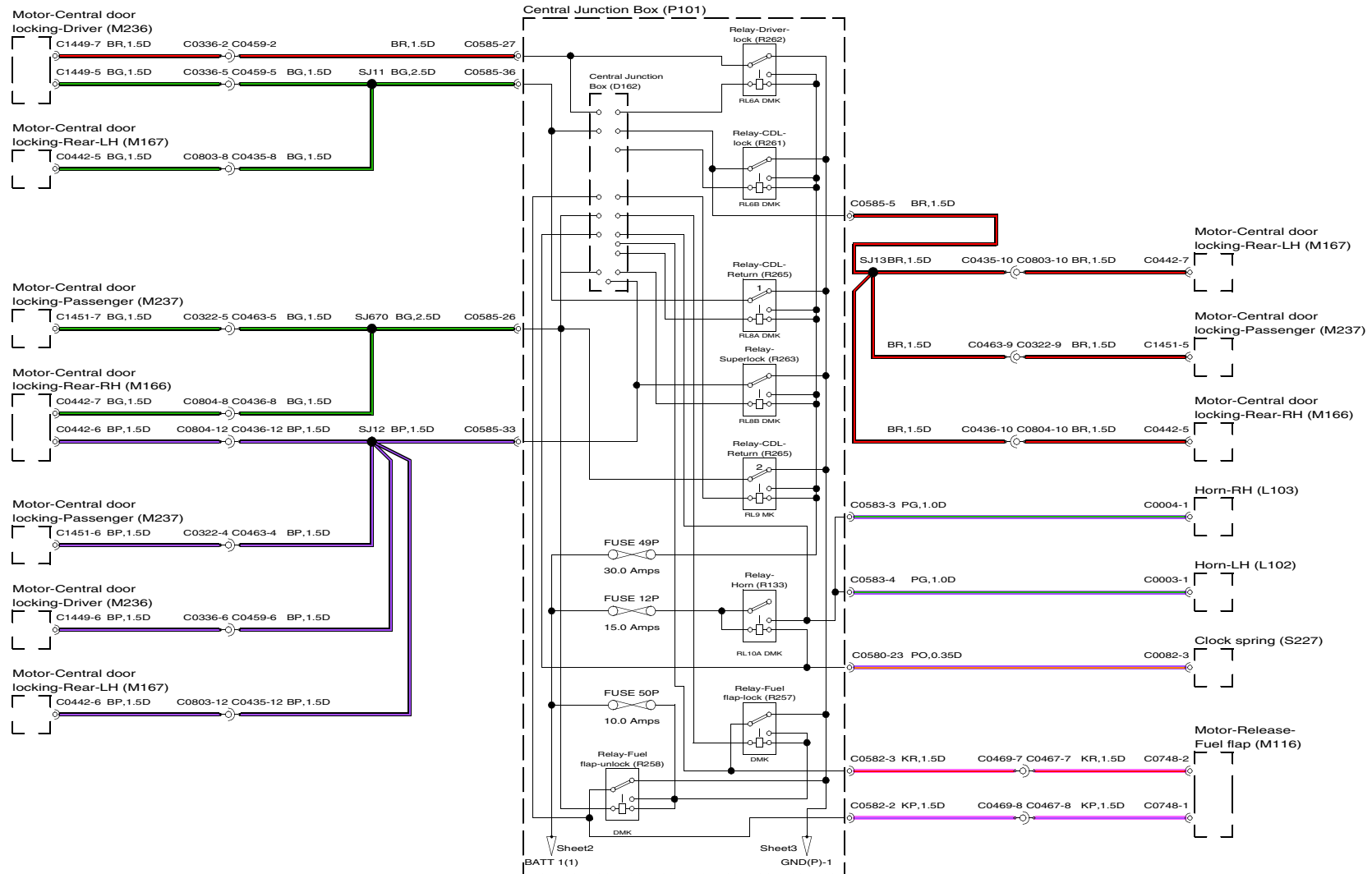


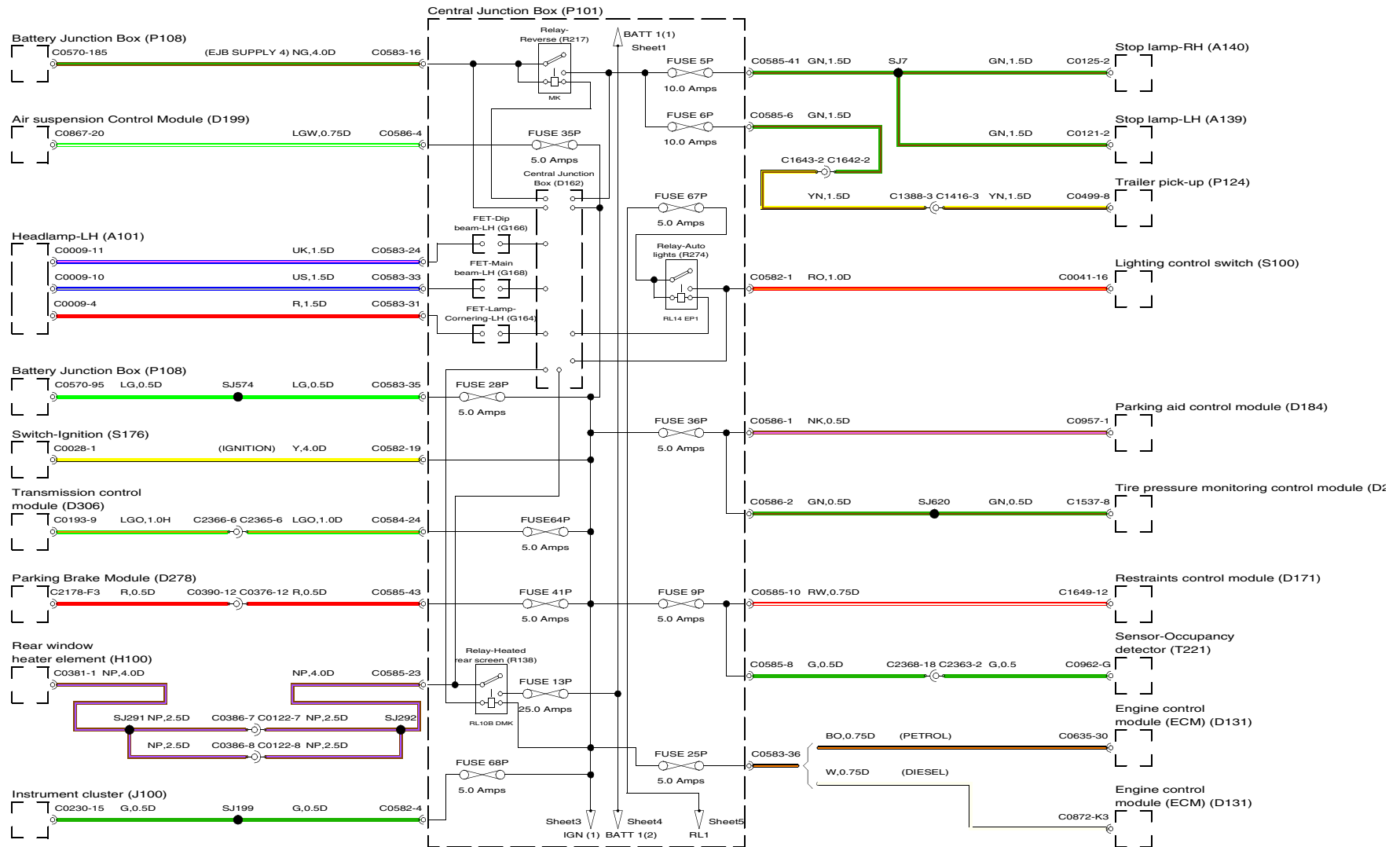


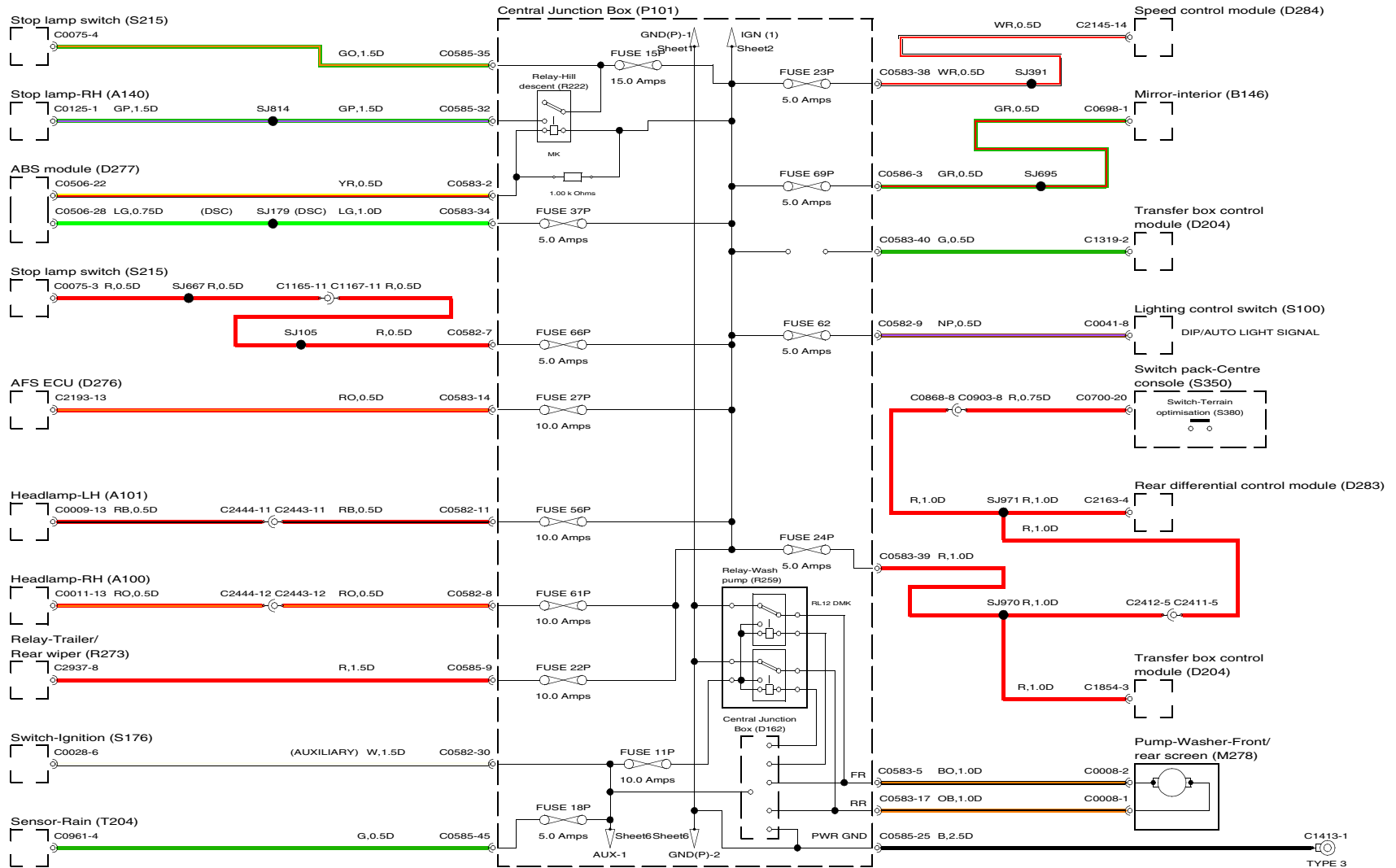


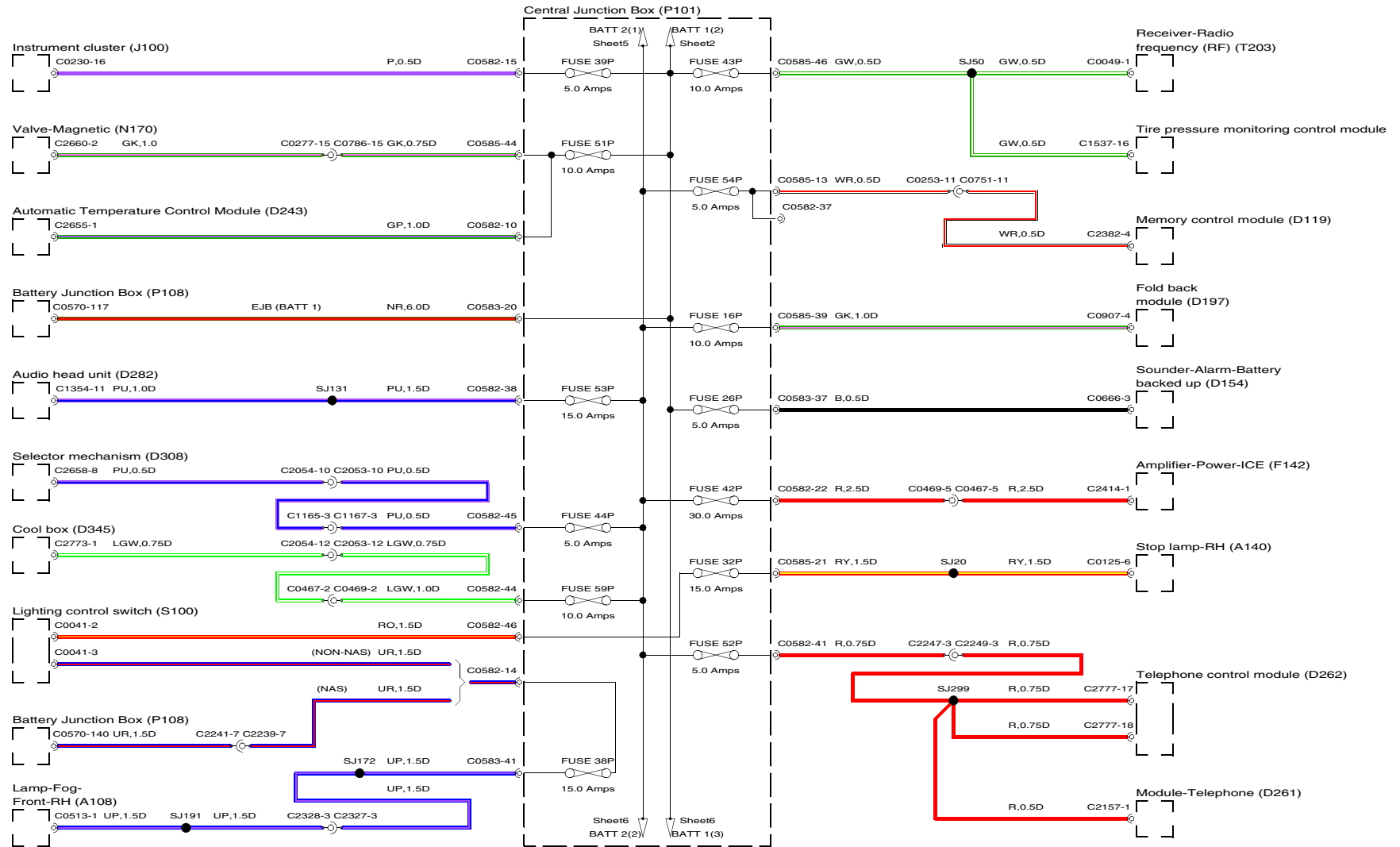


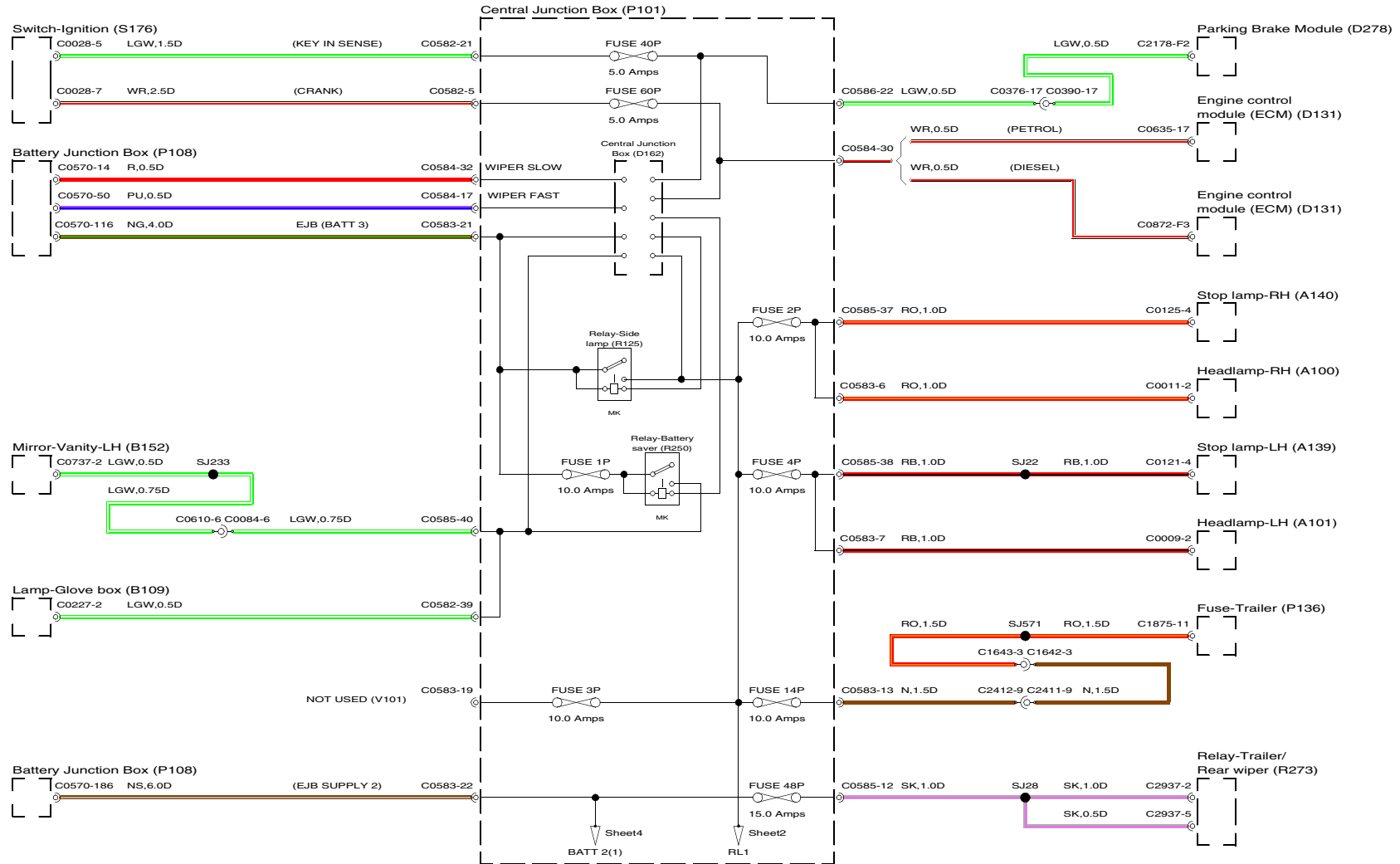


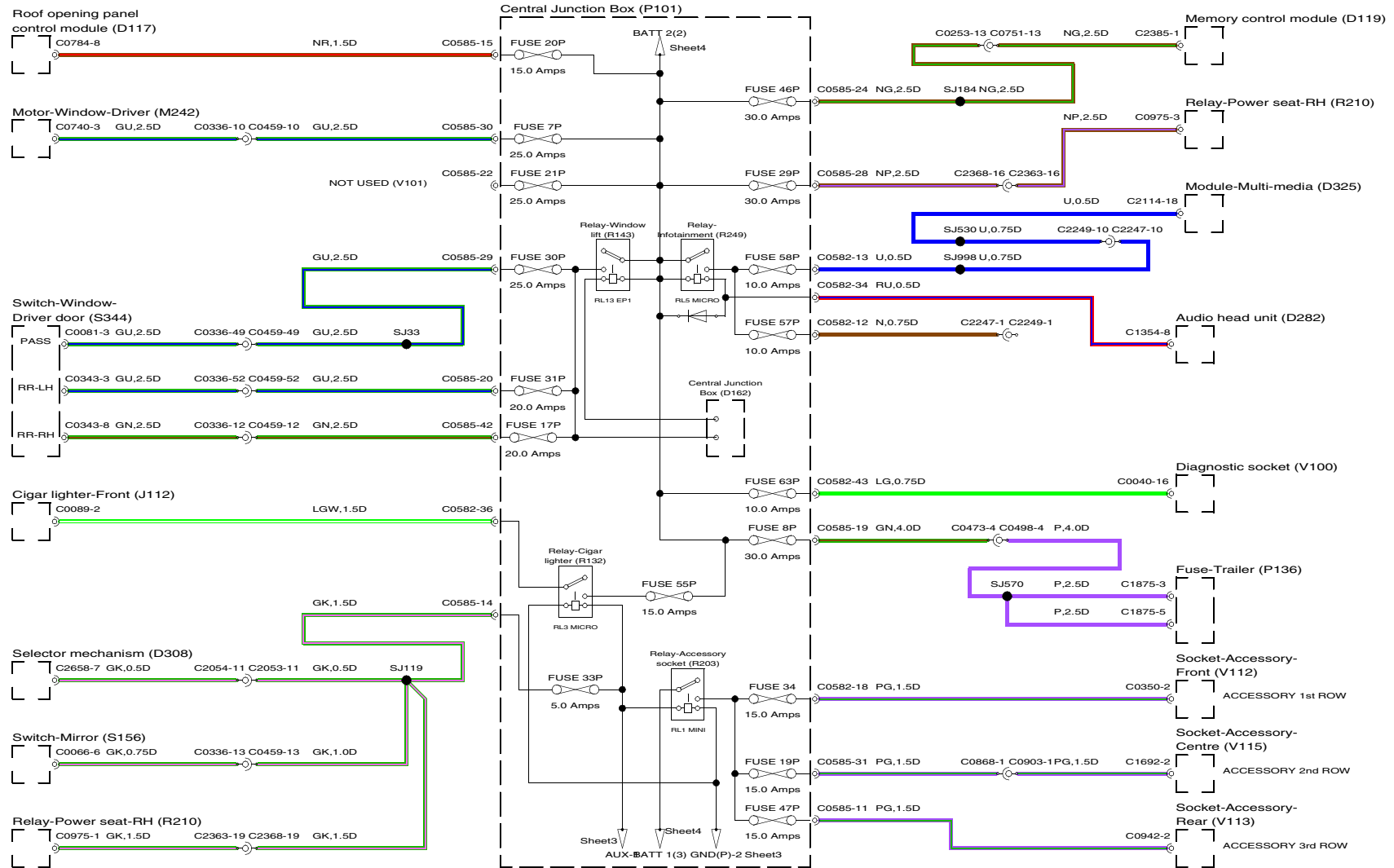


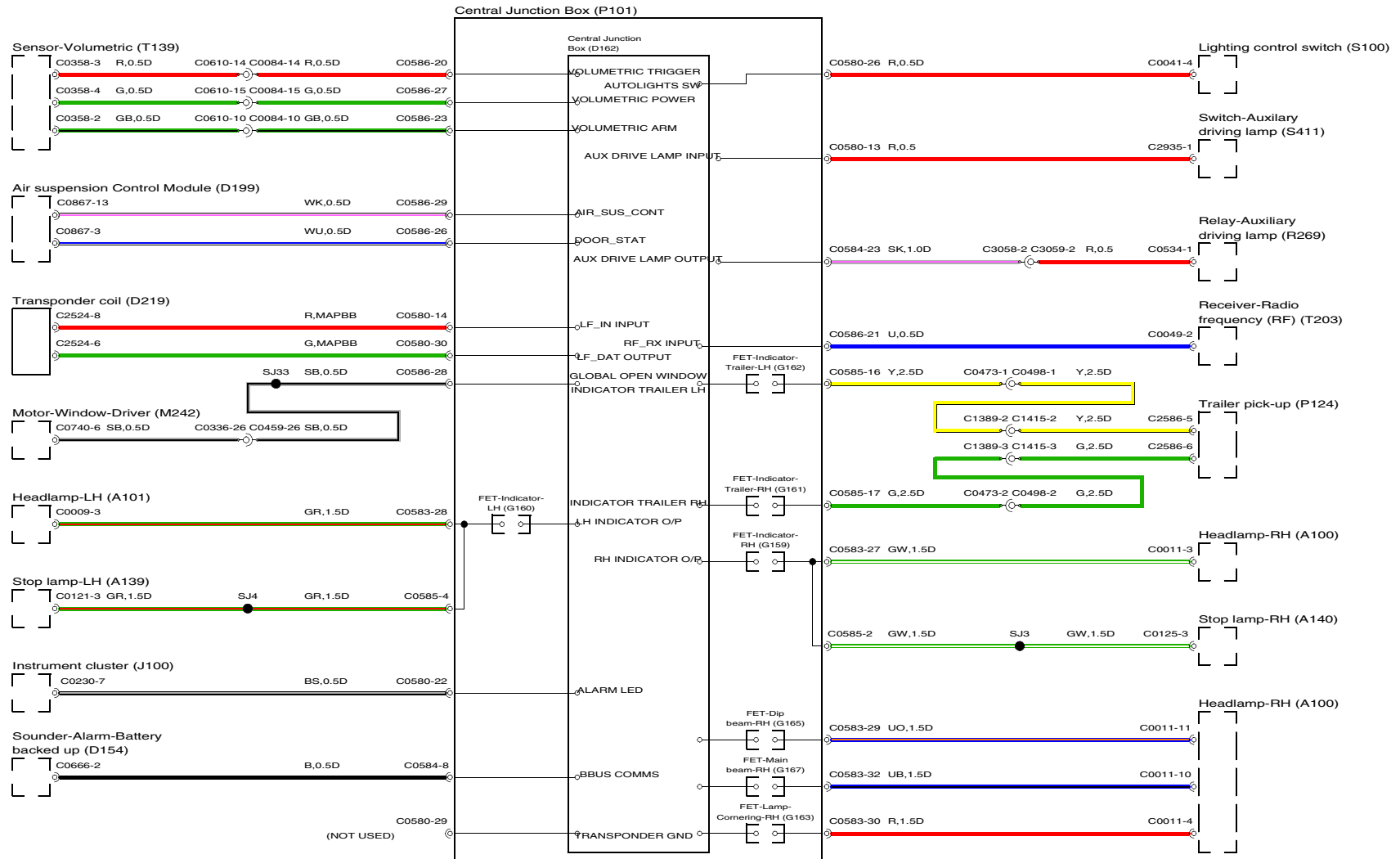




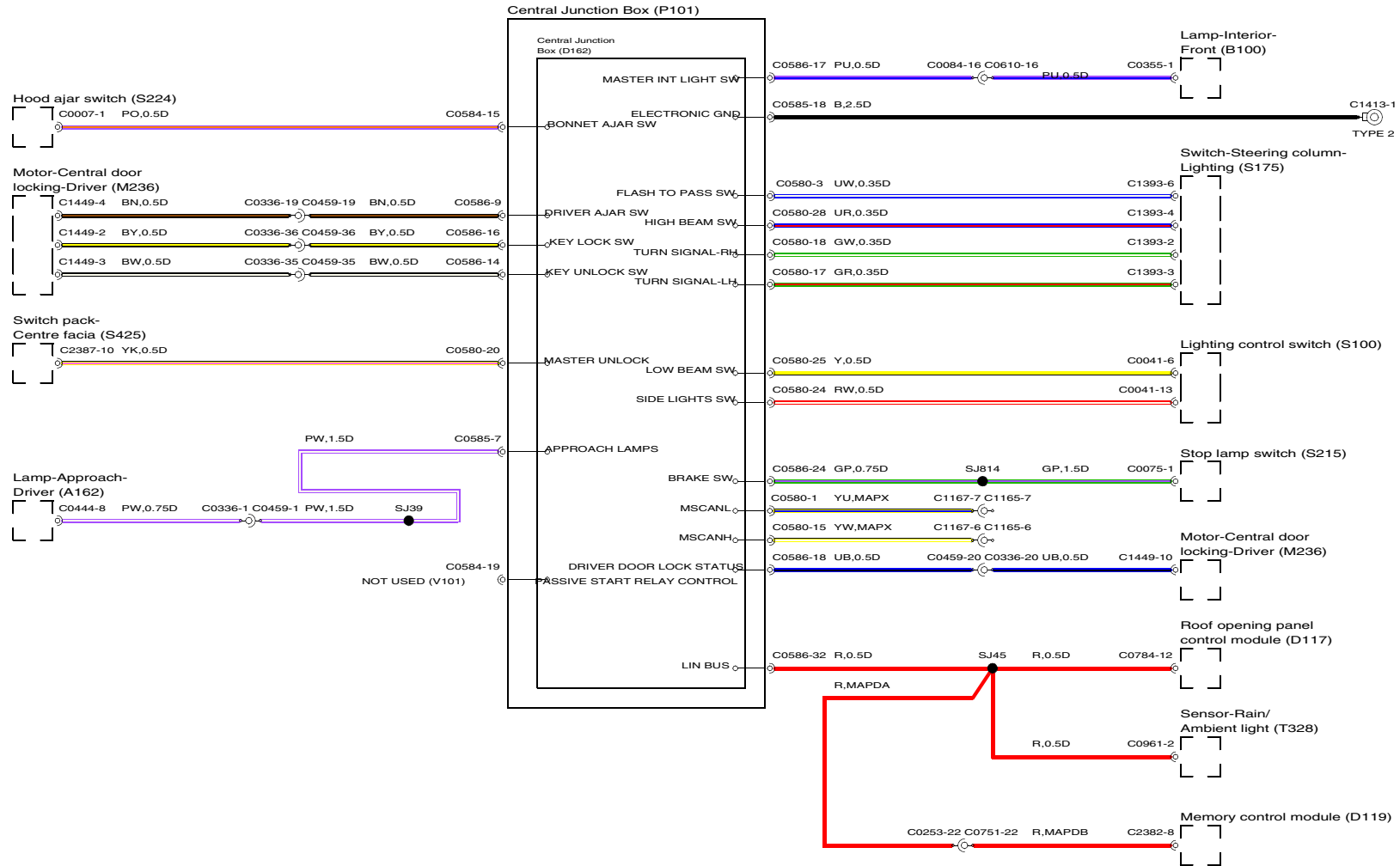


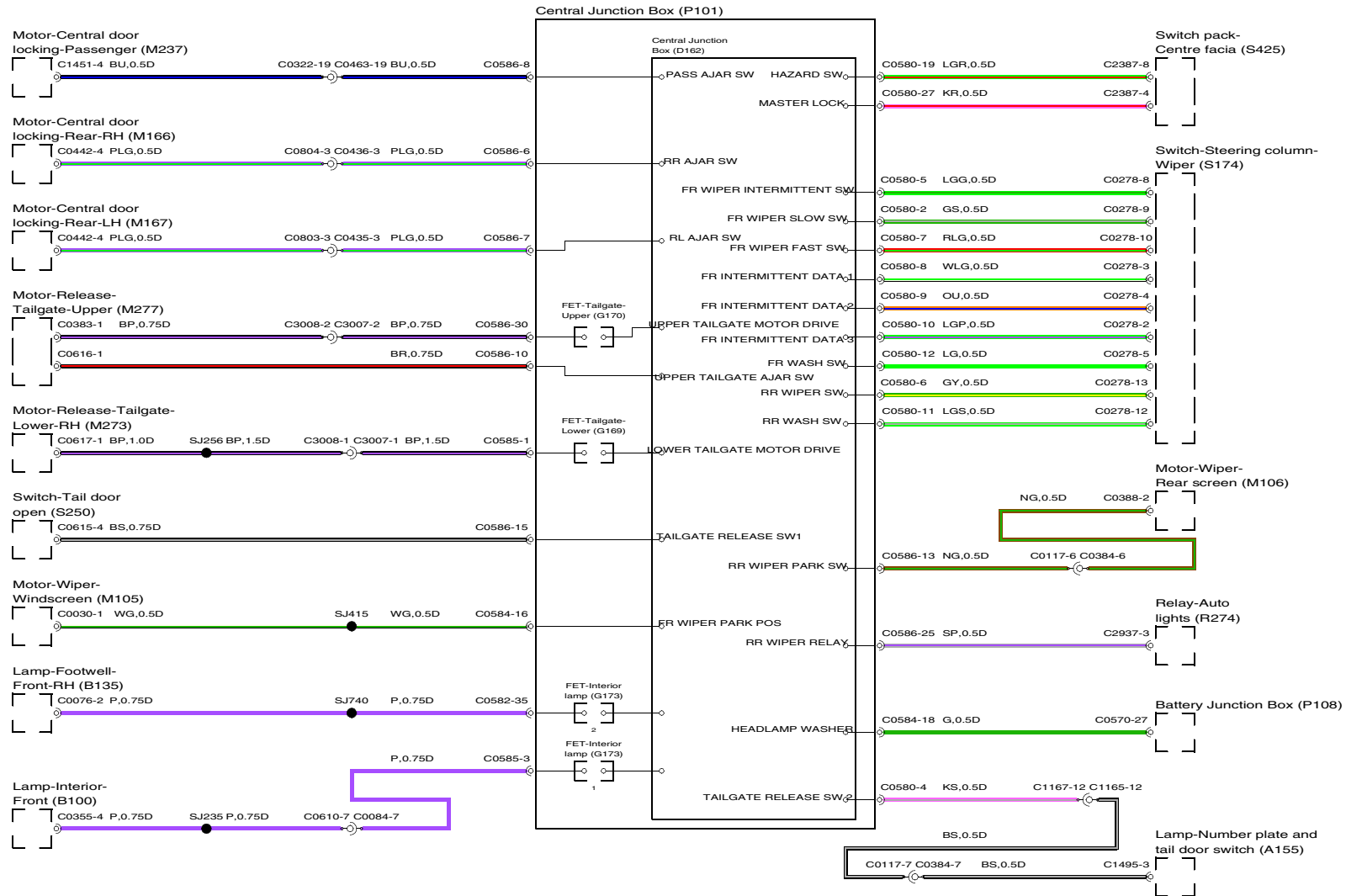




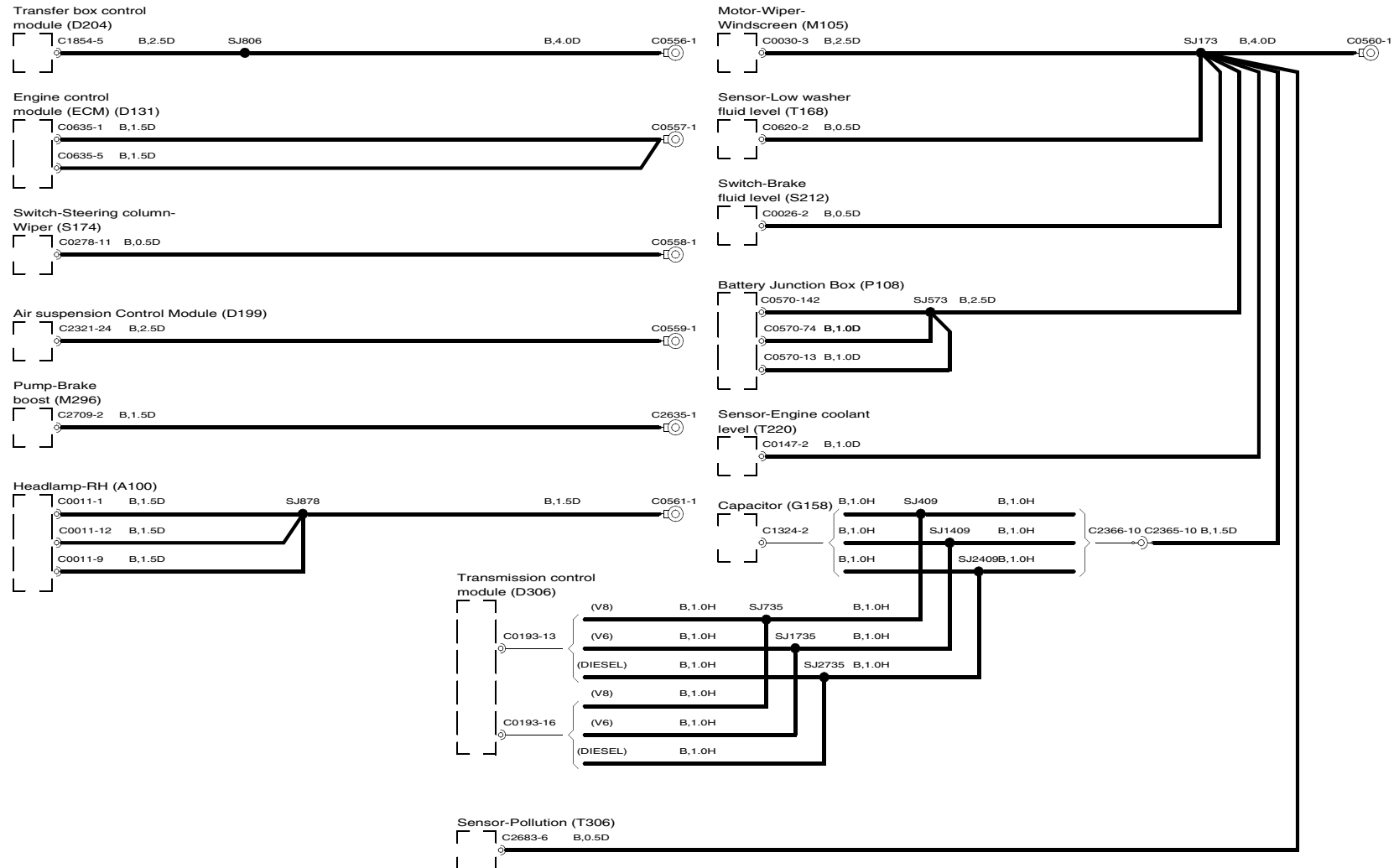


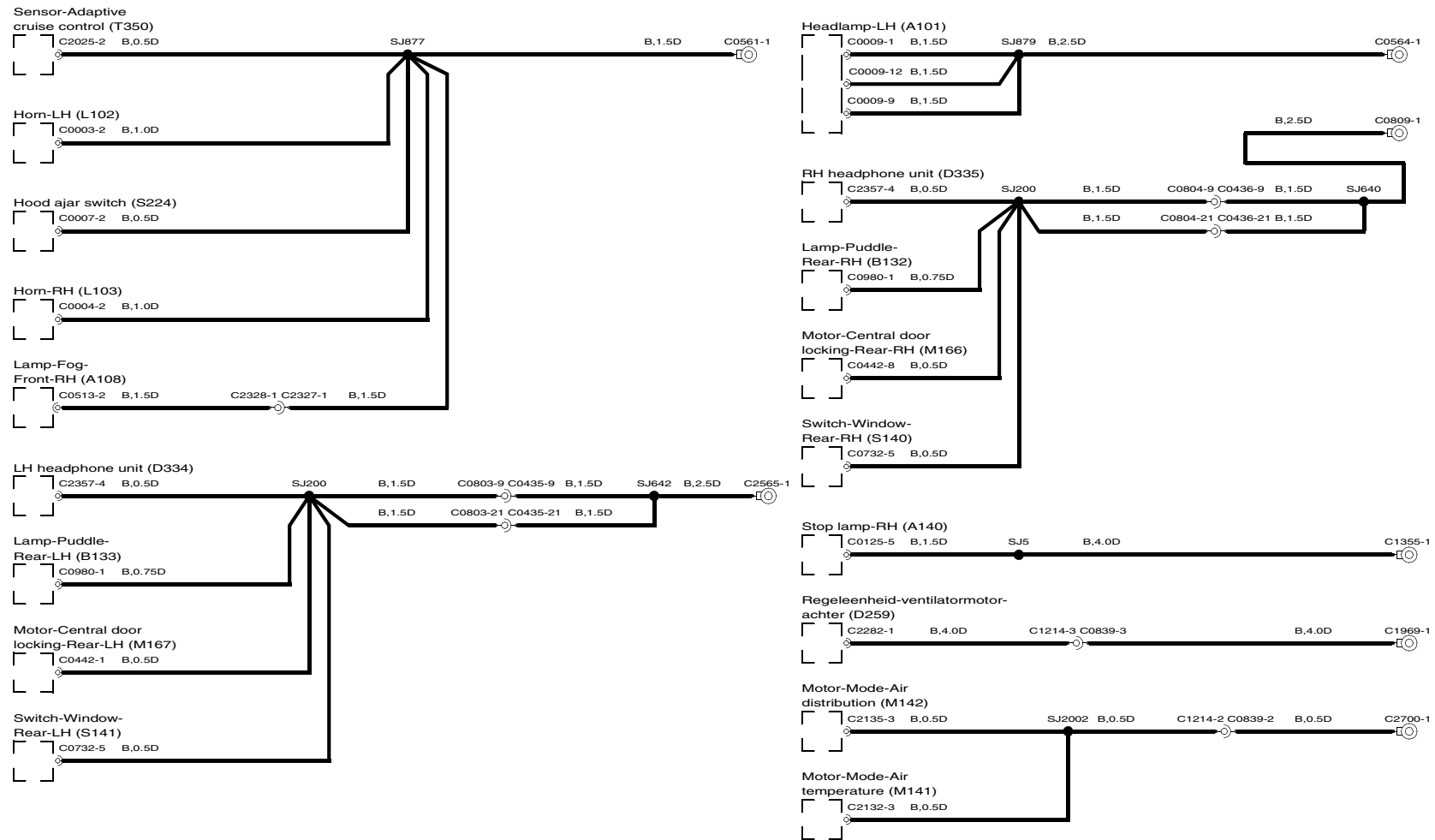


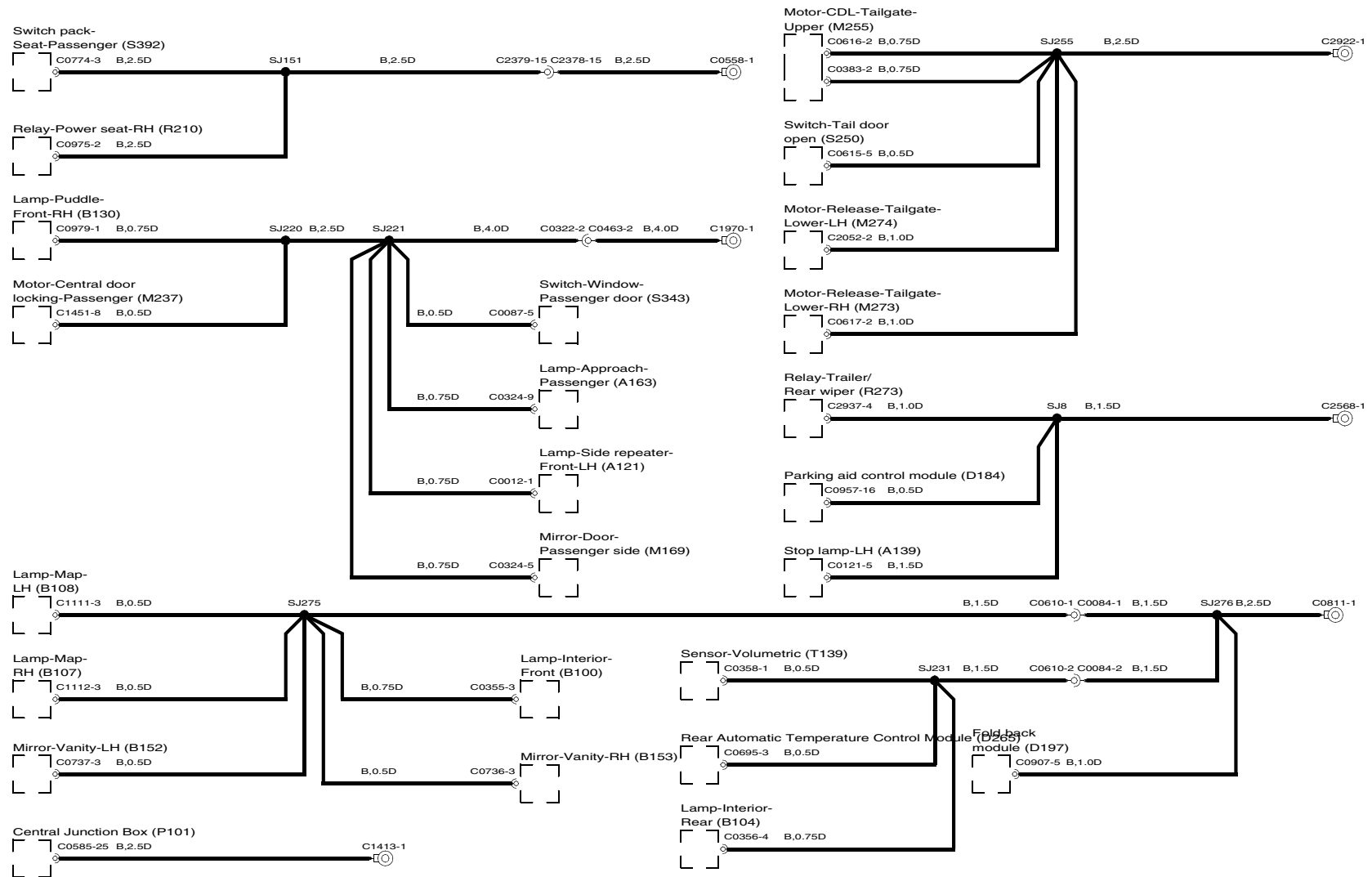


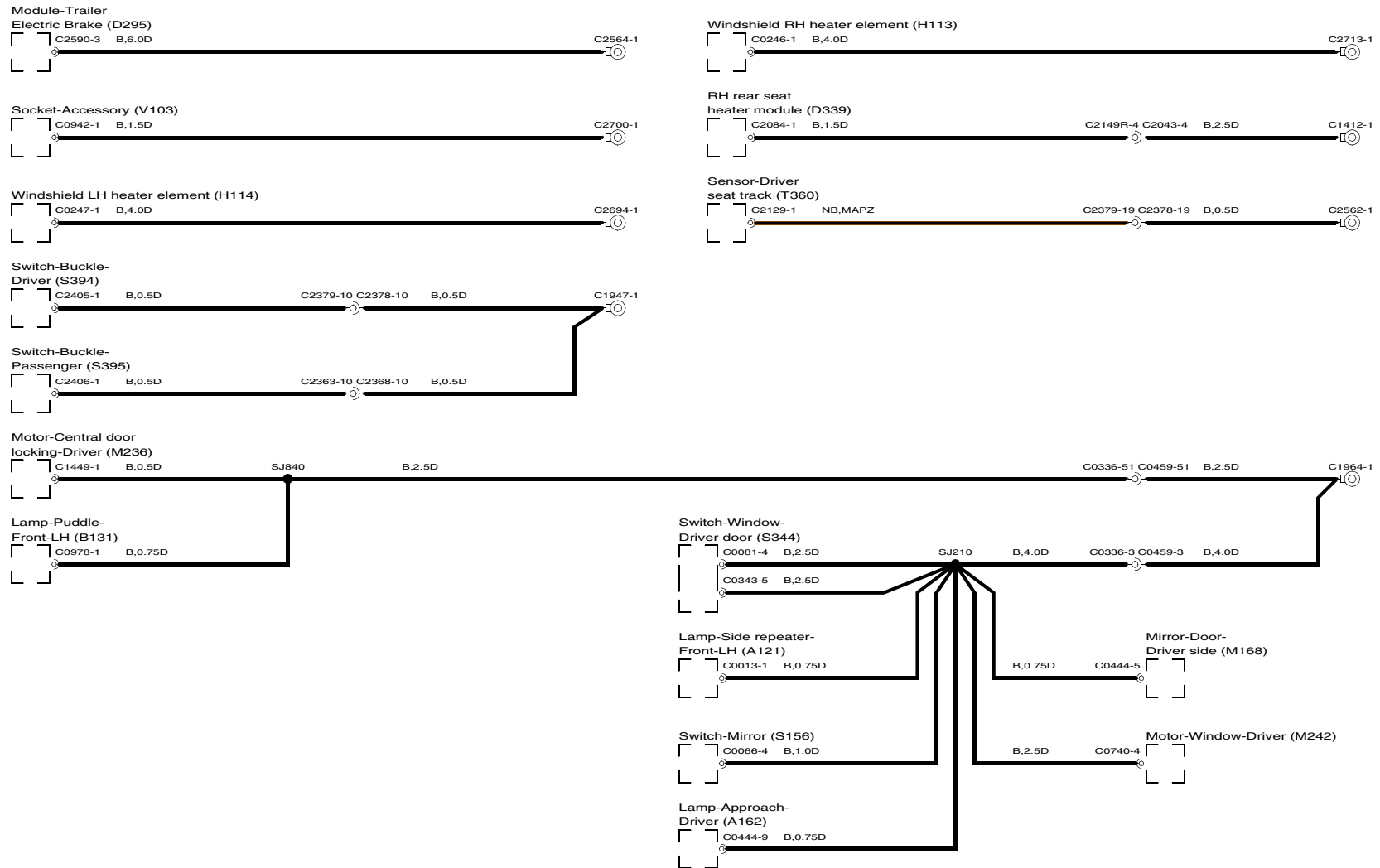


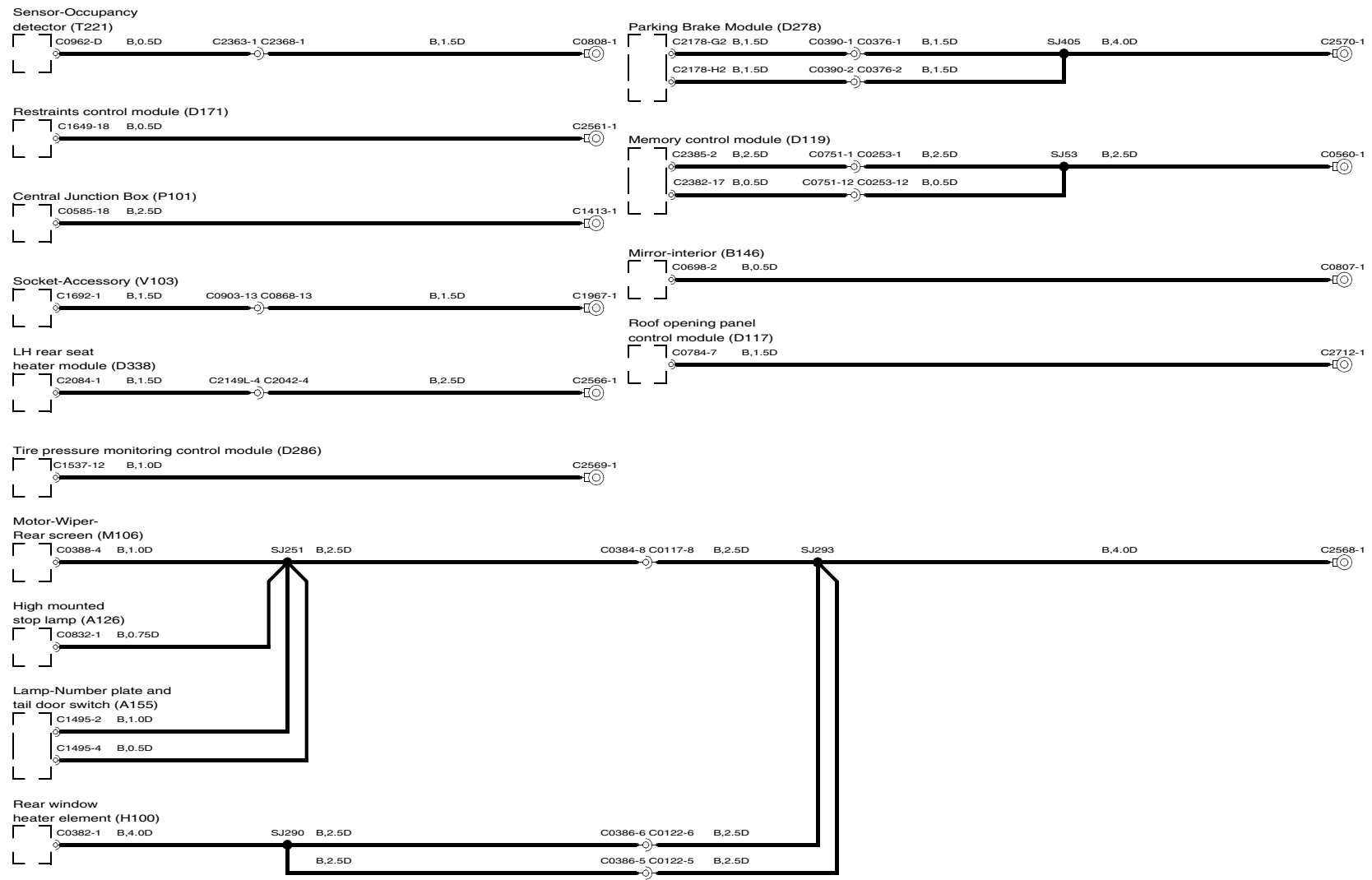




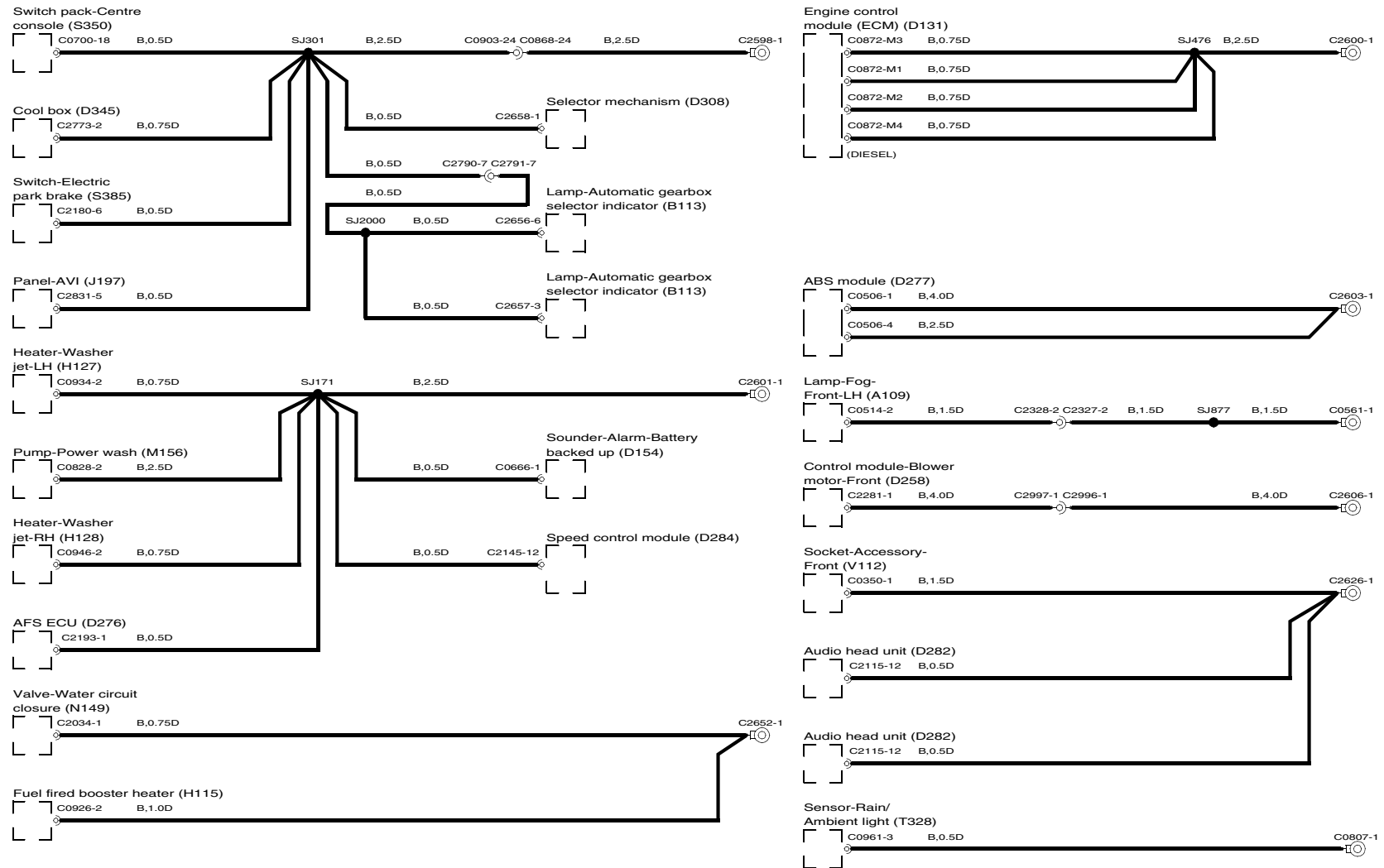


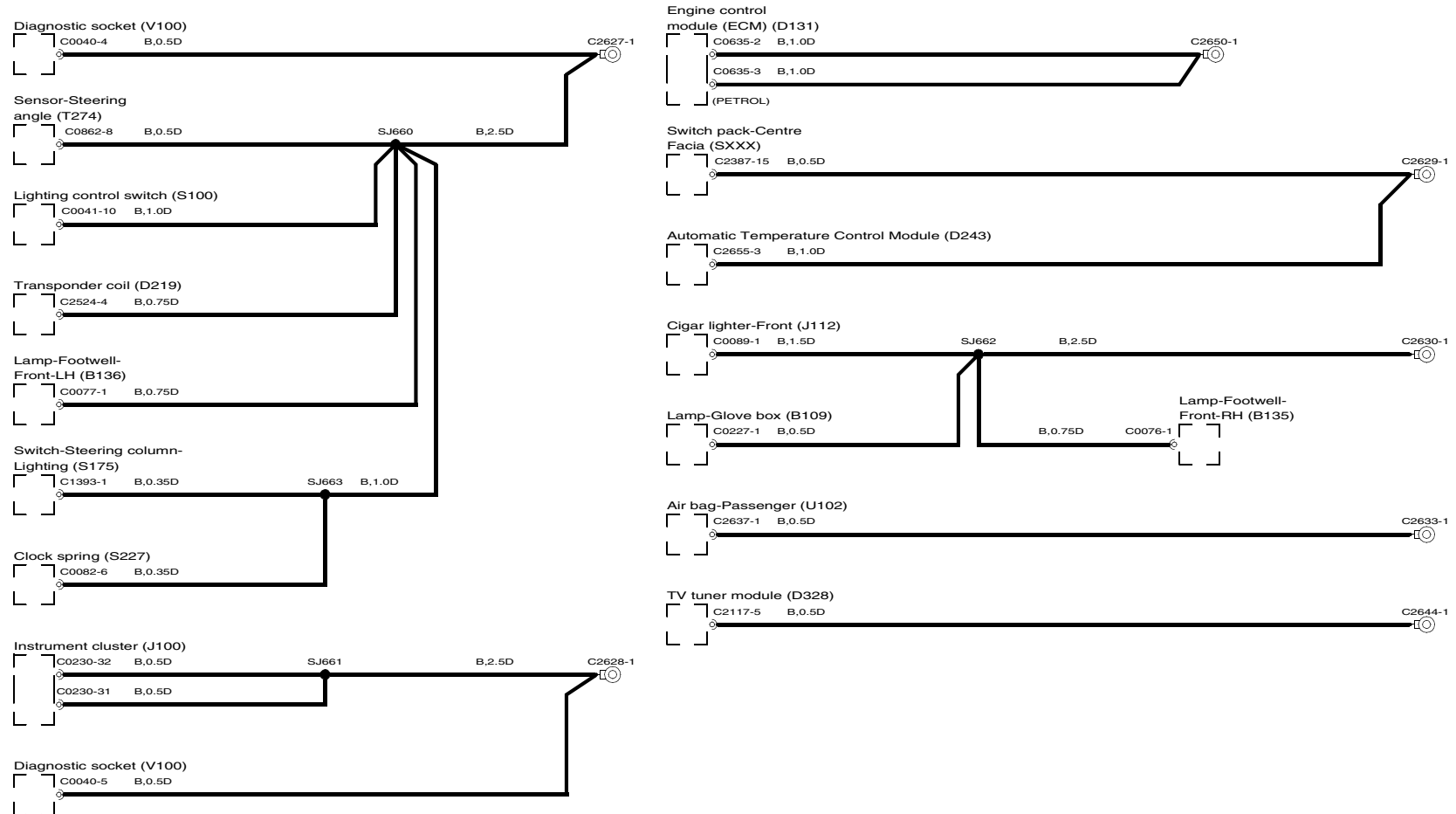


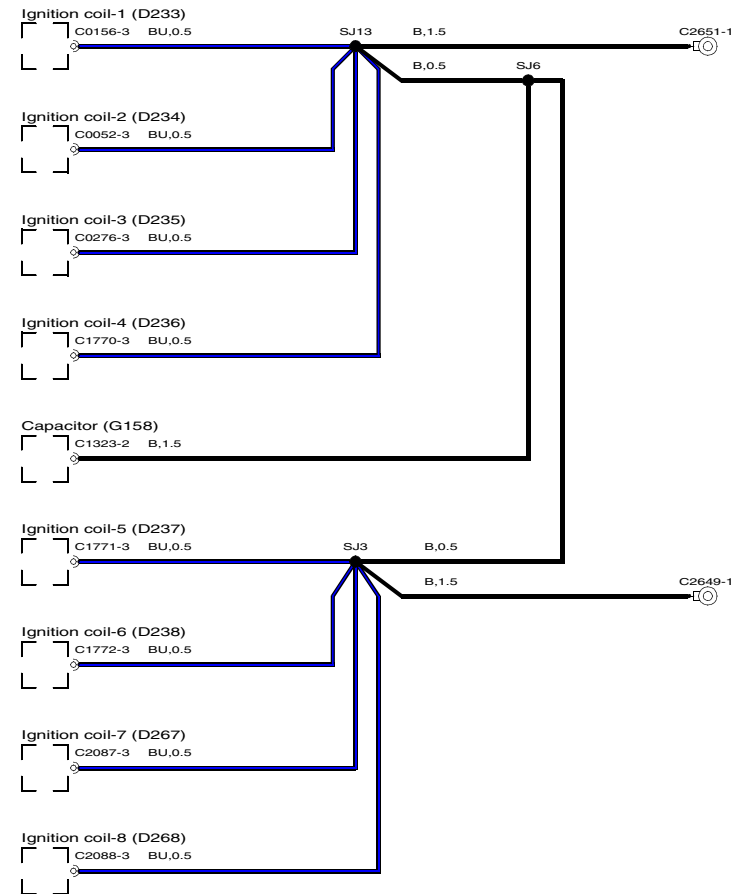
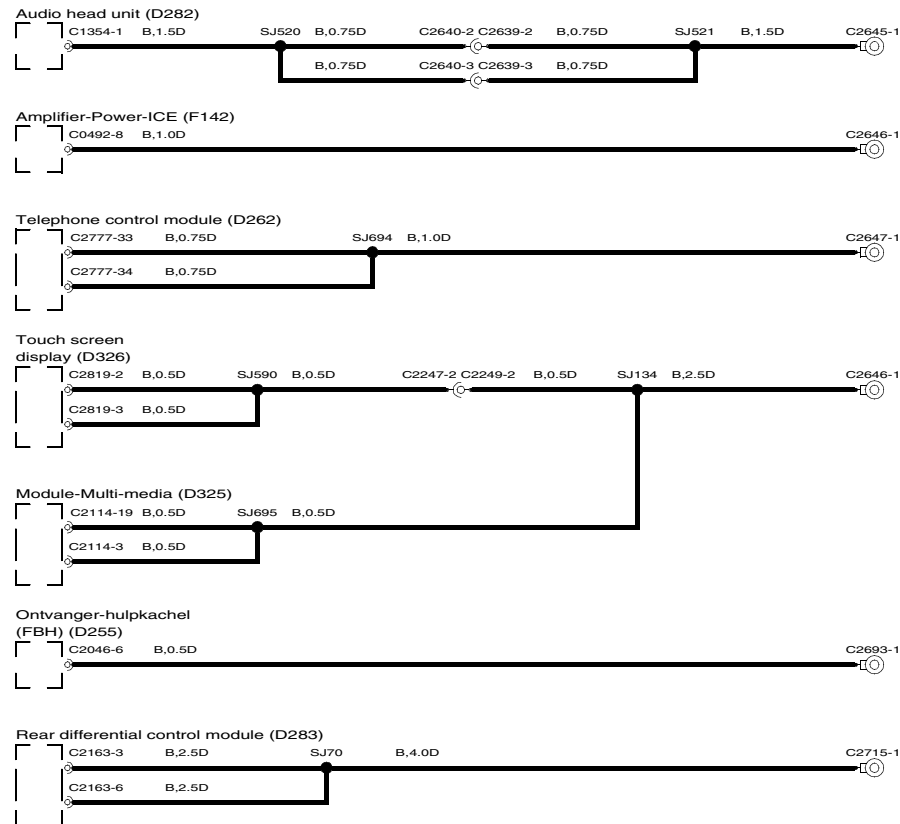


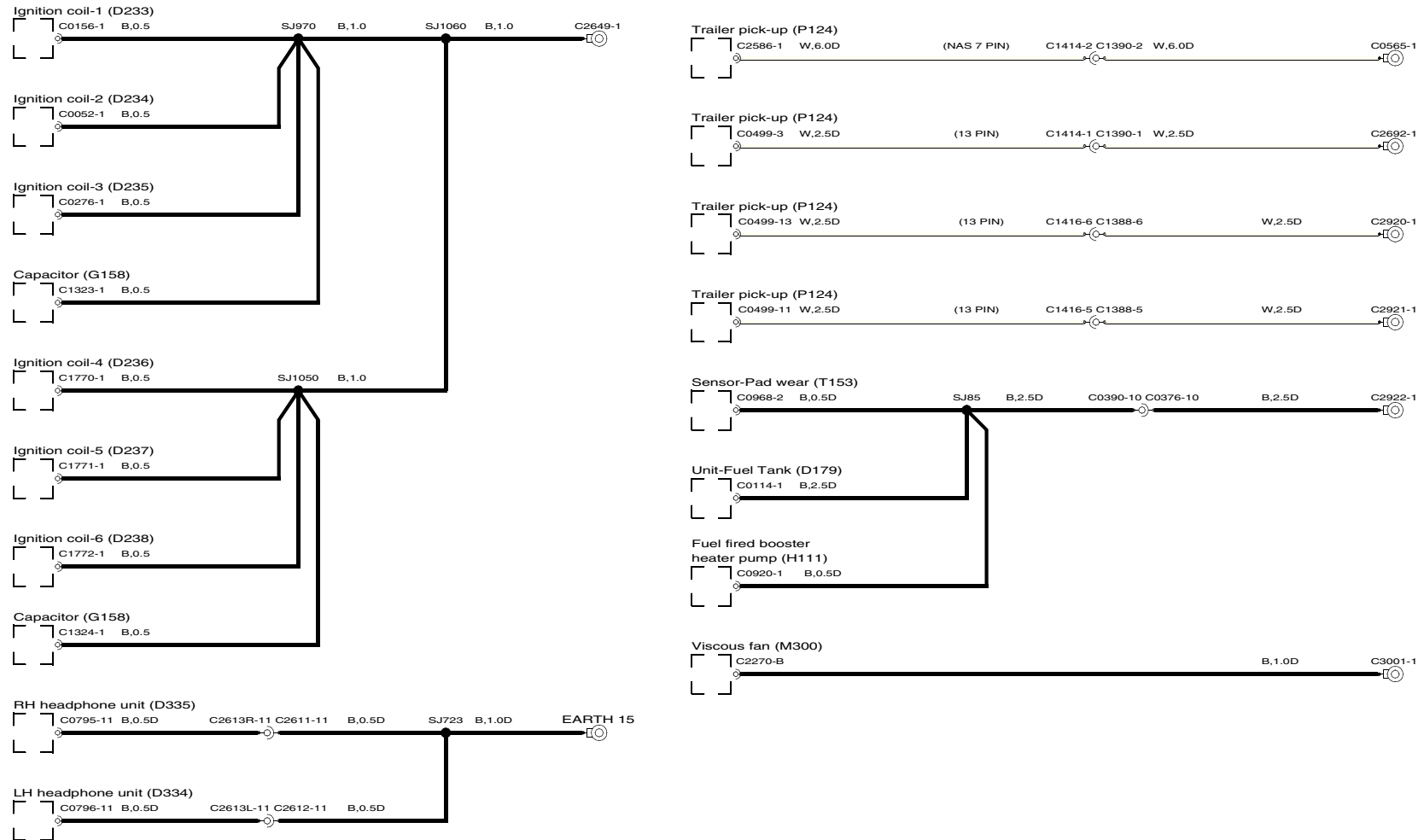




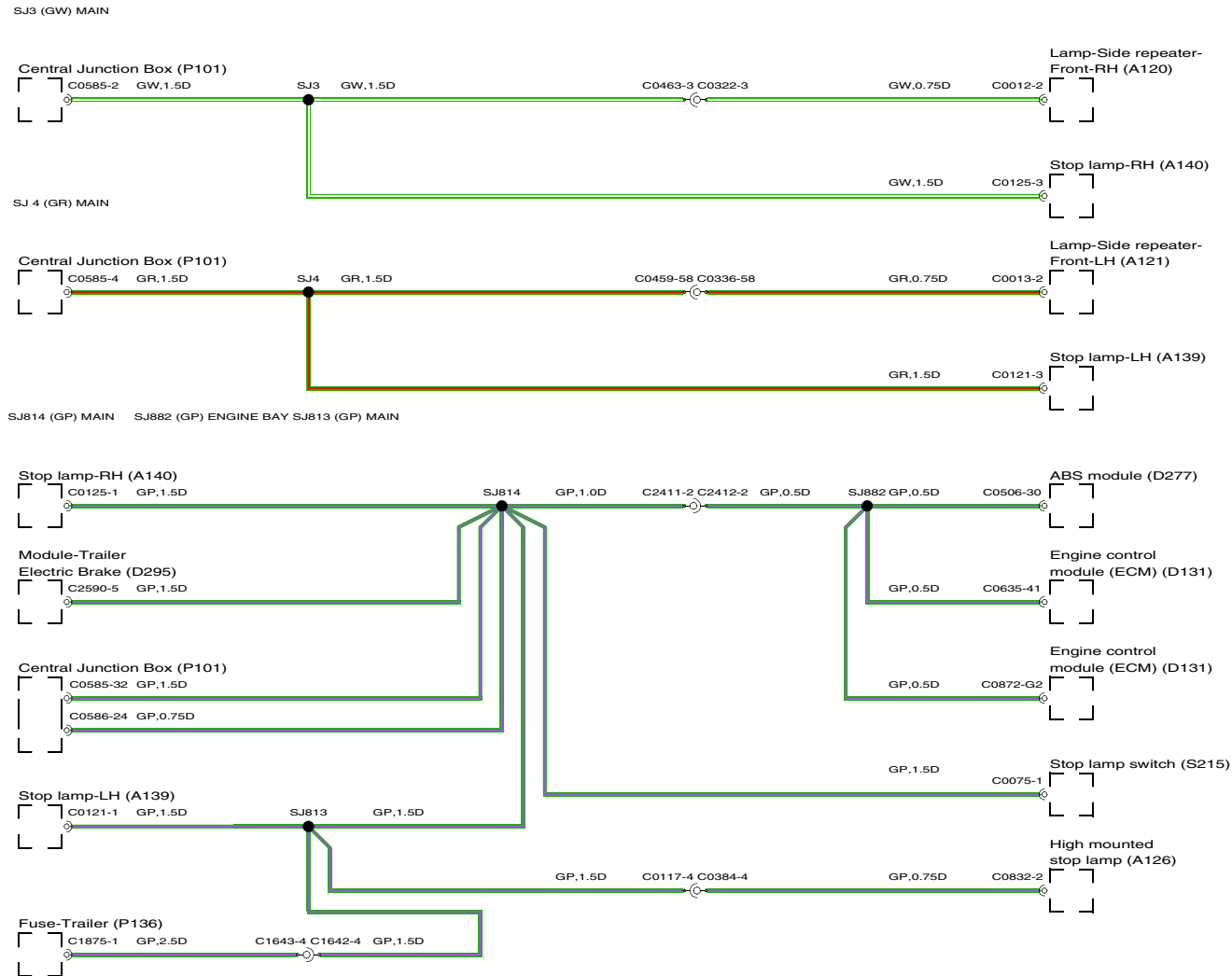




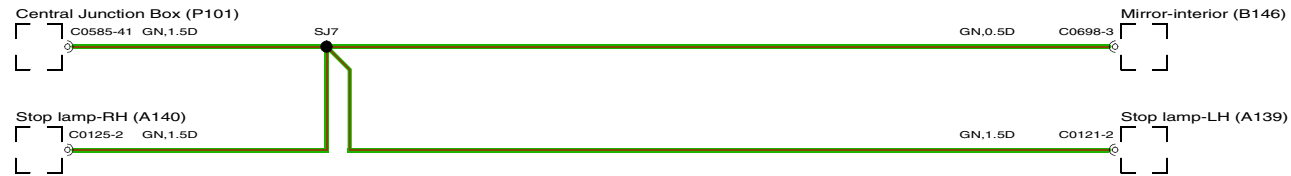




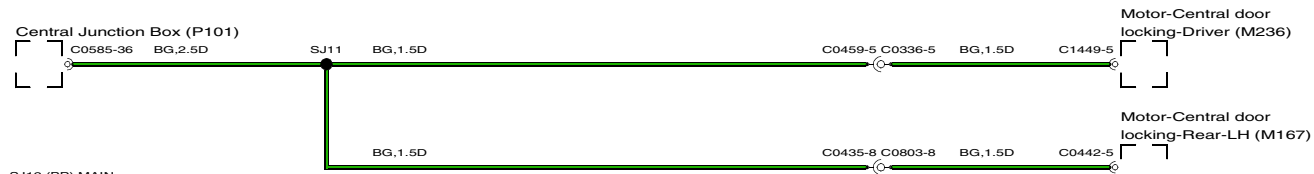




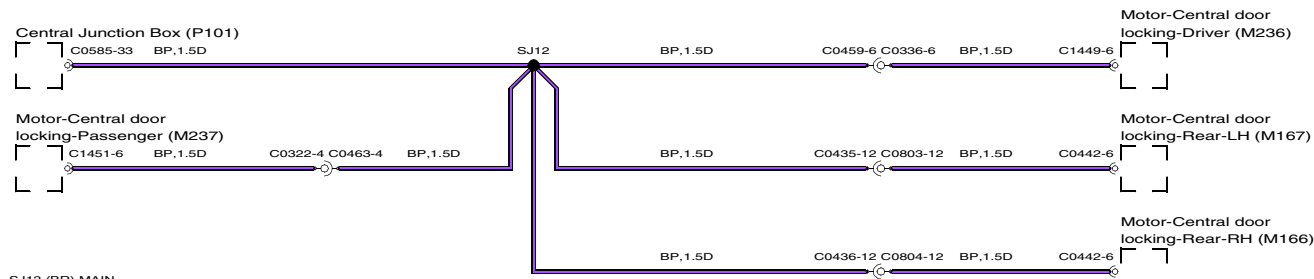
SJ7 (GN) MAIN



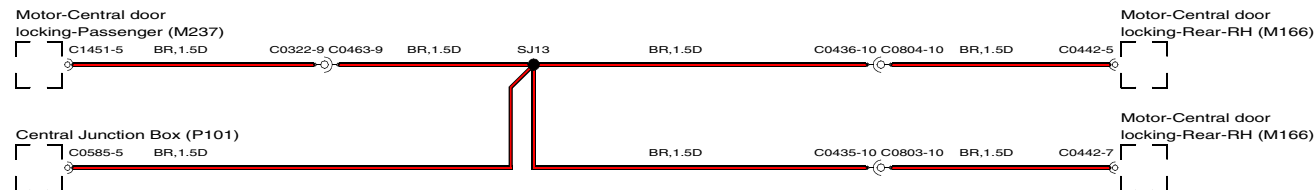
SJ11 (BG) MAIN

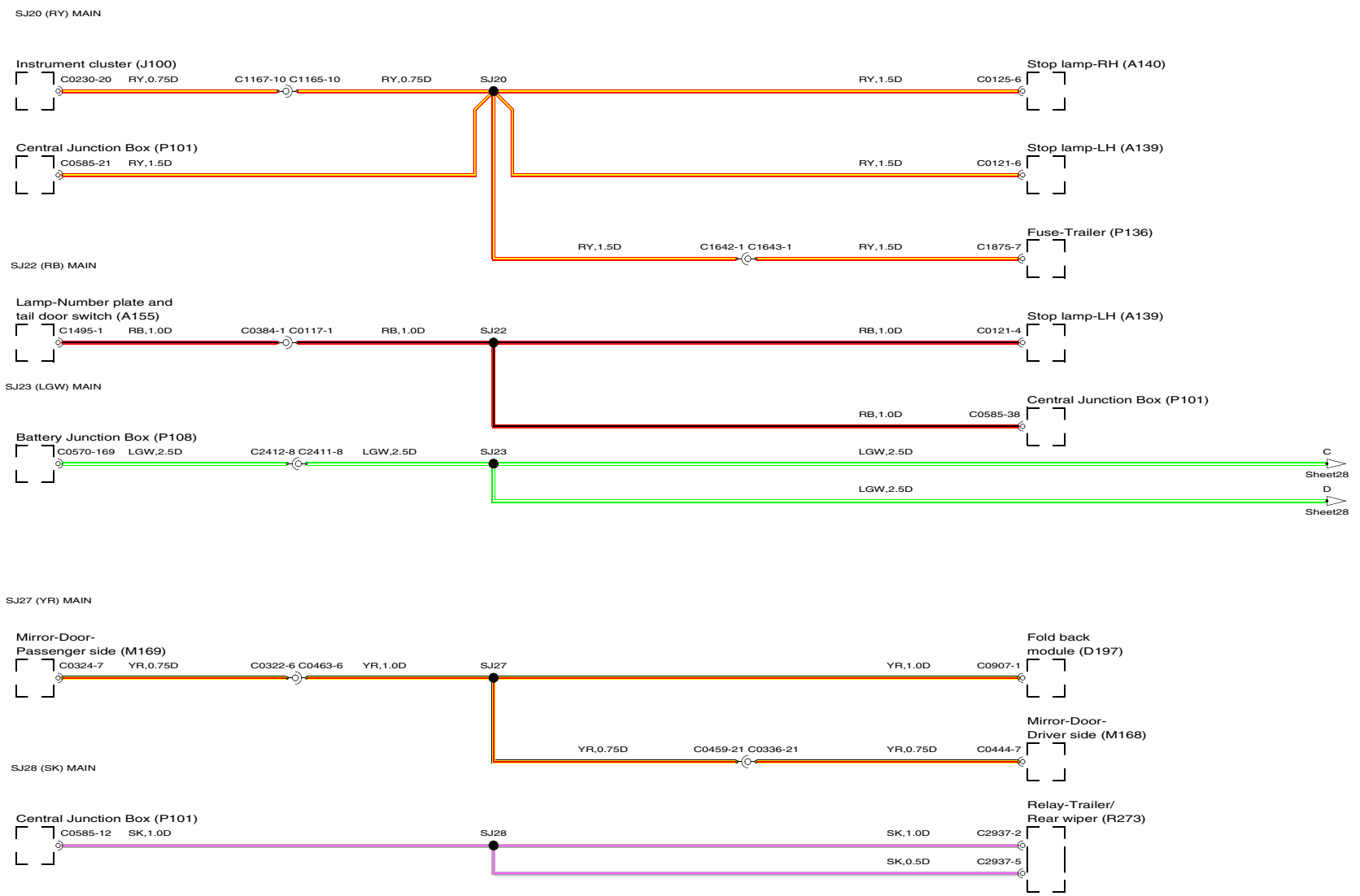


SJ12 (BP) MAIN

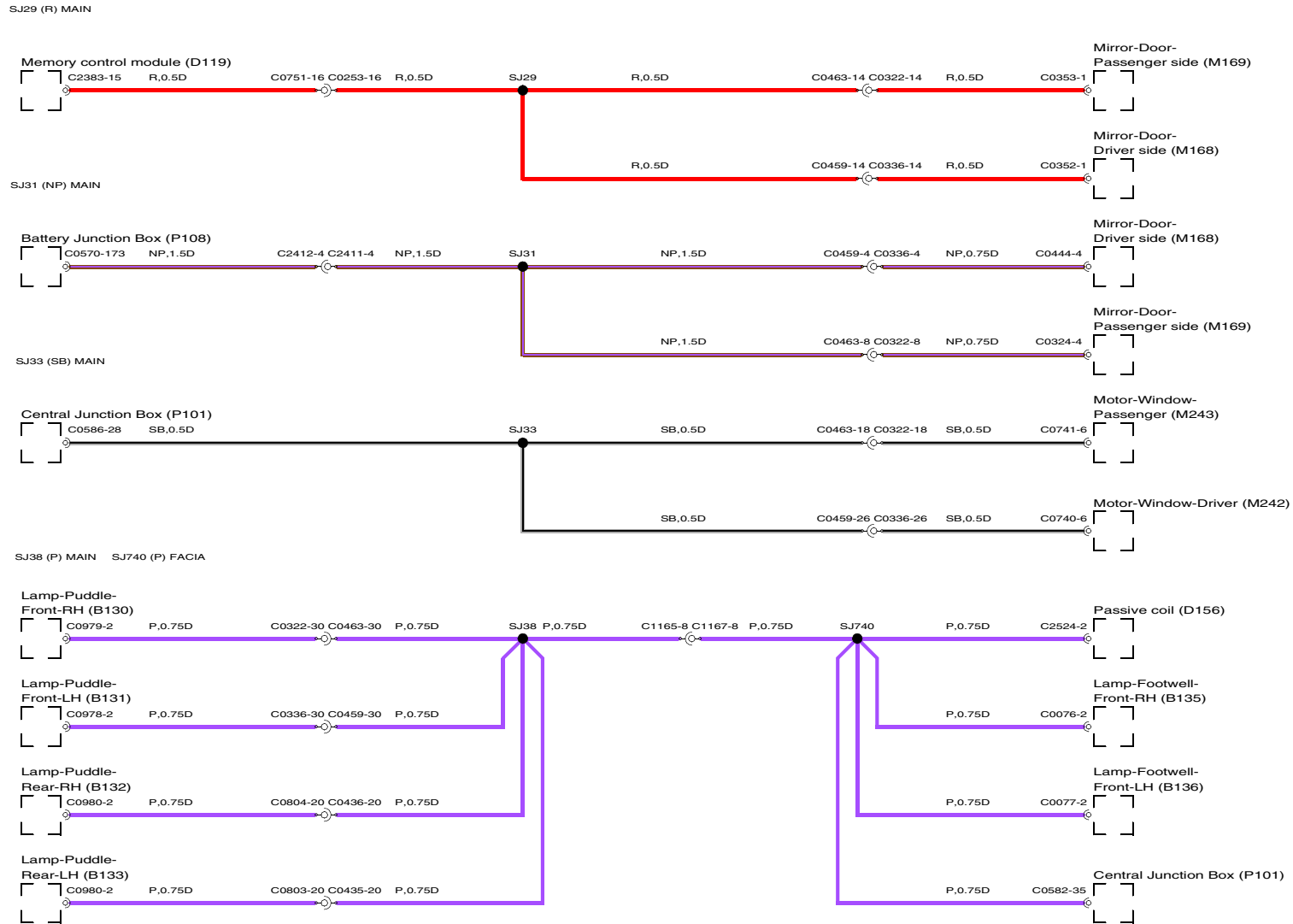


SJ13 (BR) MAIN

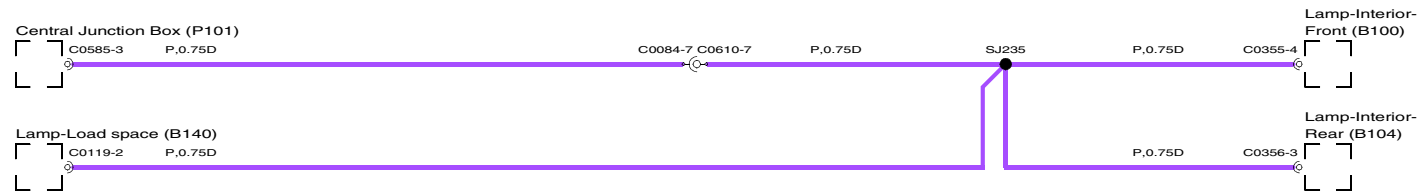








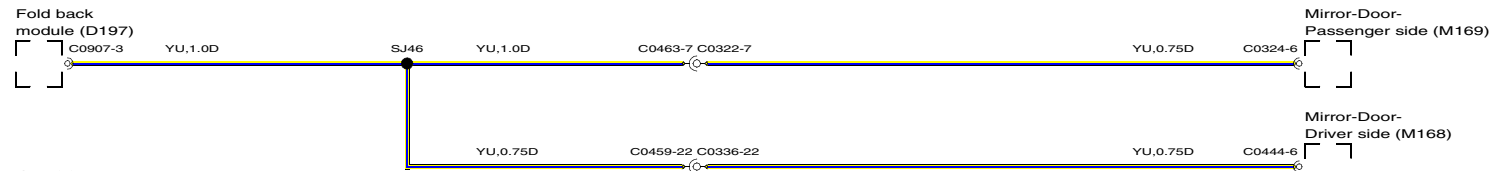
SJ235 (P) ROOF



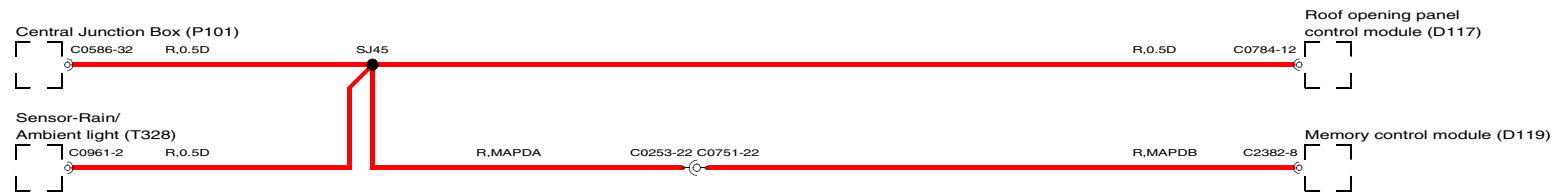
SJ39 (PW) MAIN



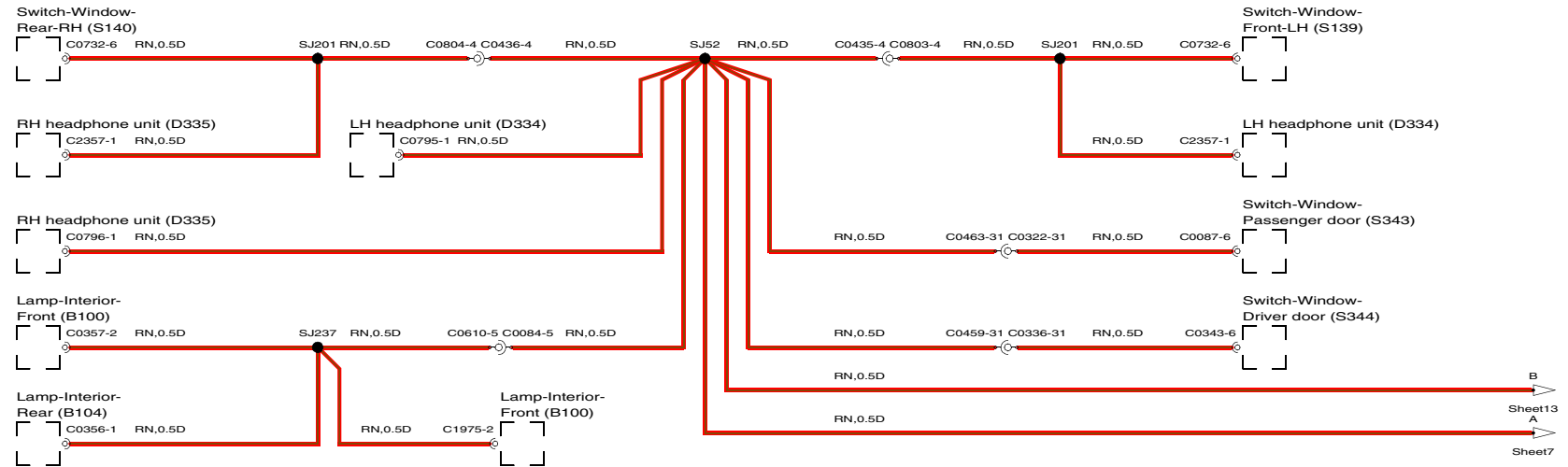
SJ46 (Y) MAIN



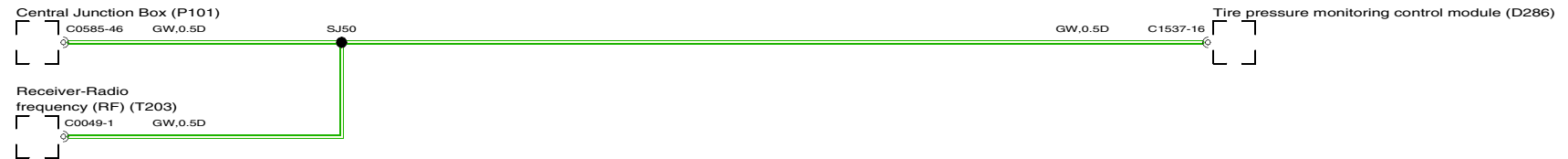
SJ45 (R) MAIN

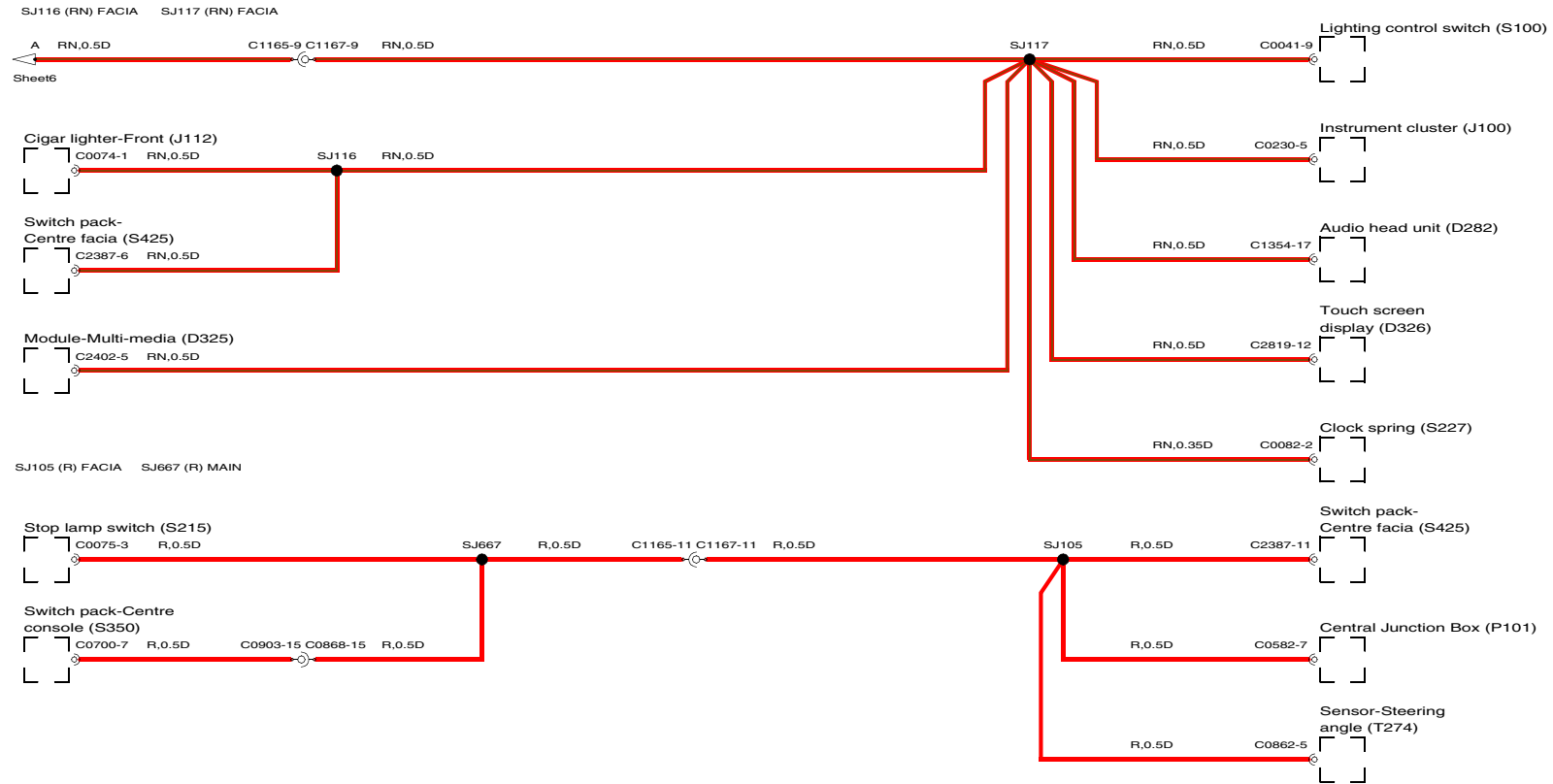


SJ52 (RN) MAINS  
 SJ201 (RN) REAR DOOR-RHS  
 SJ237 (RN) REAR DOOR-LH  
 SJ201 (RN) REAR DOOR-LH

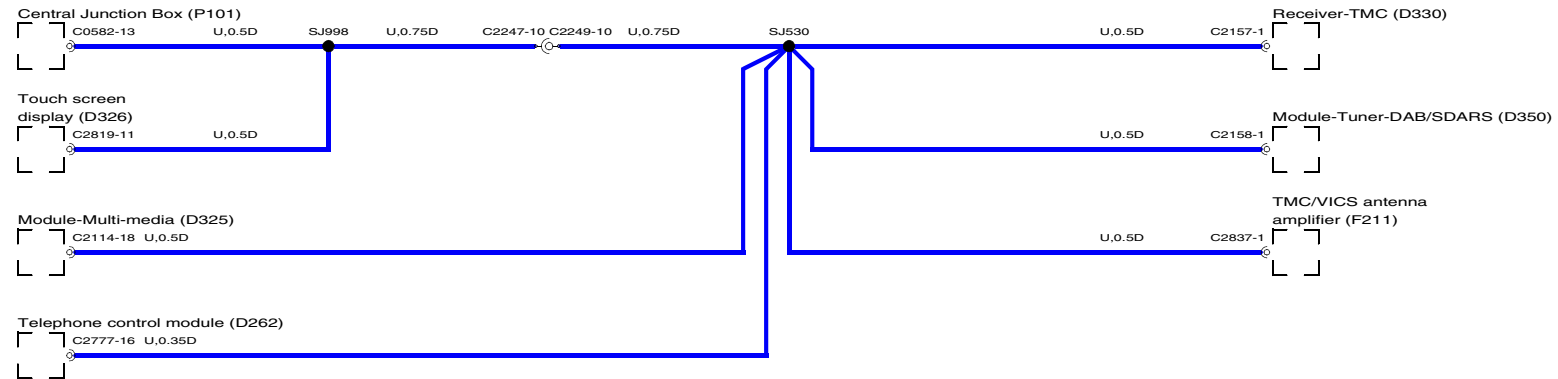


SJ50 (GW) MAIN

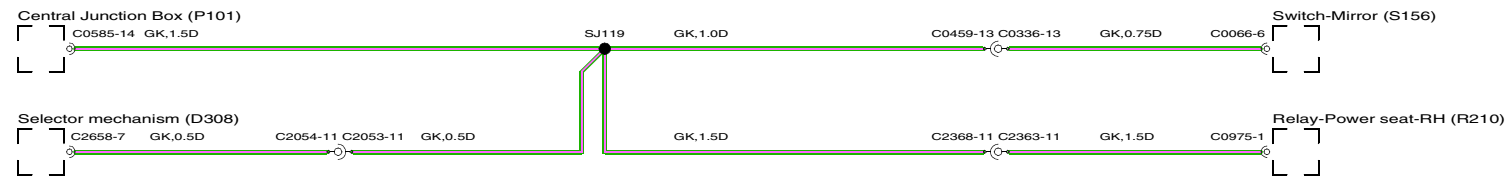




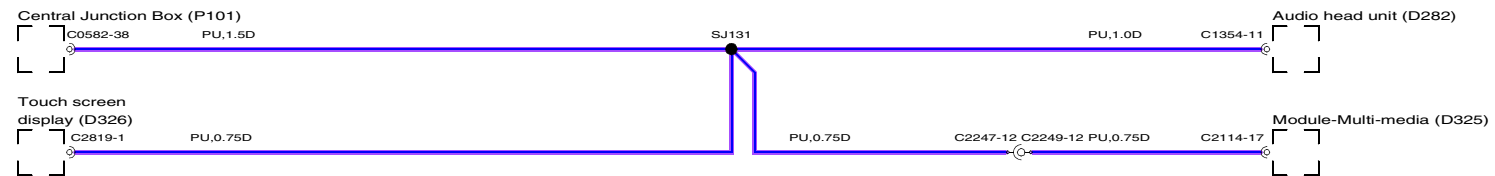
SJ530 (U) ICE SJ998 (U) FACIA

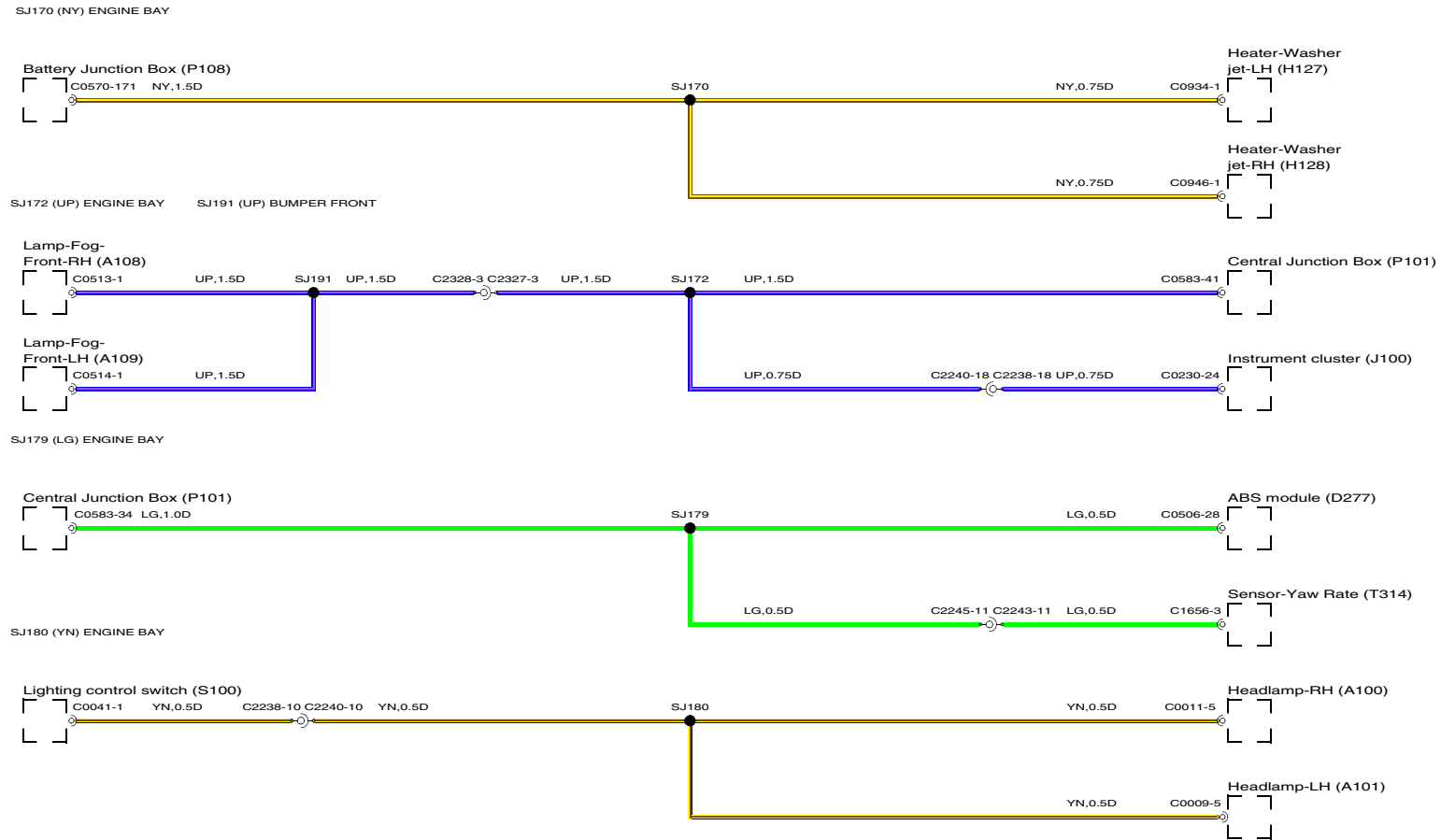


SJ119 (GK) MAIN

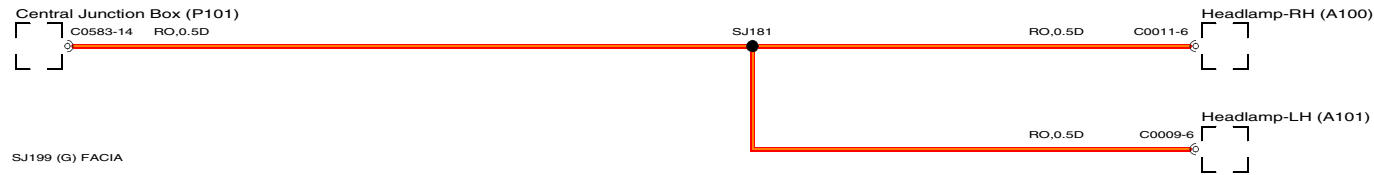


SJ131 (PU) FACIA

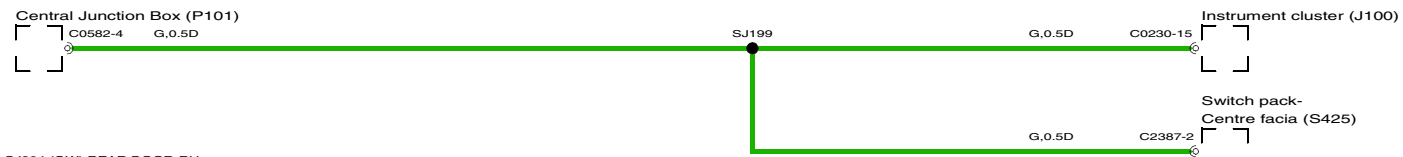




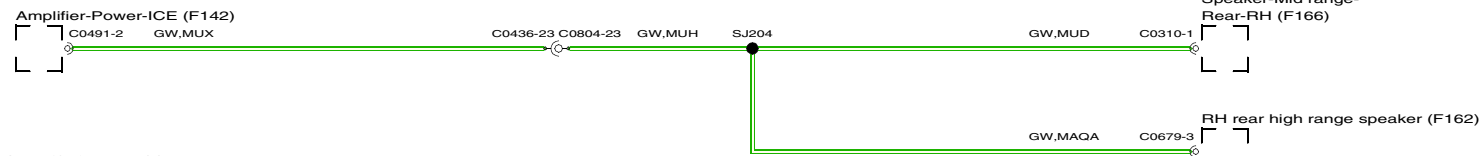
SJ181 (RO) M.F.E.



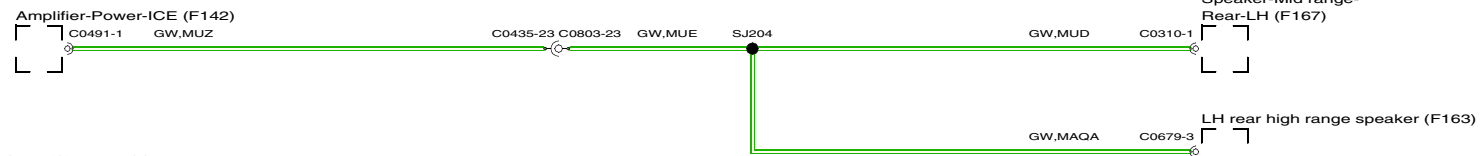
SJ199 (G) FACIA



SJ204 (GW) REAR DOOR-RH

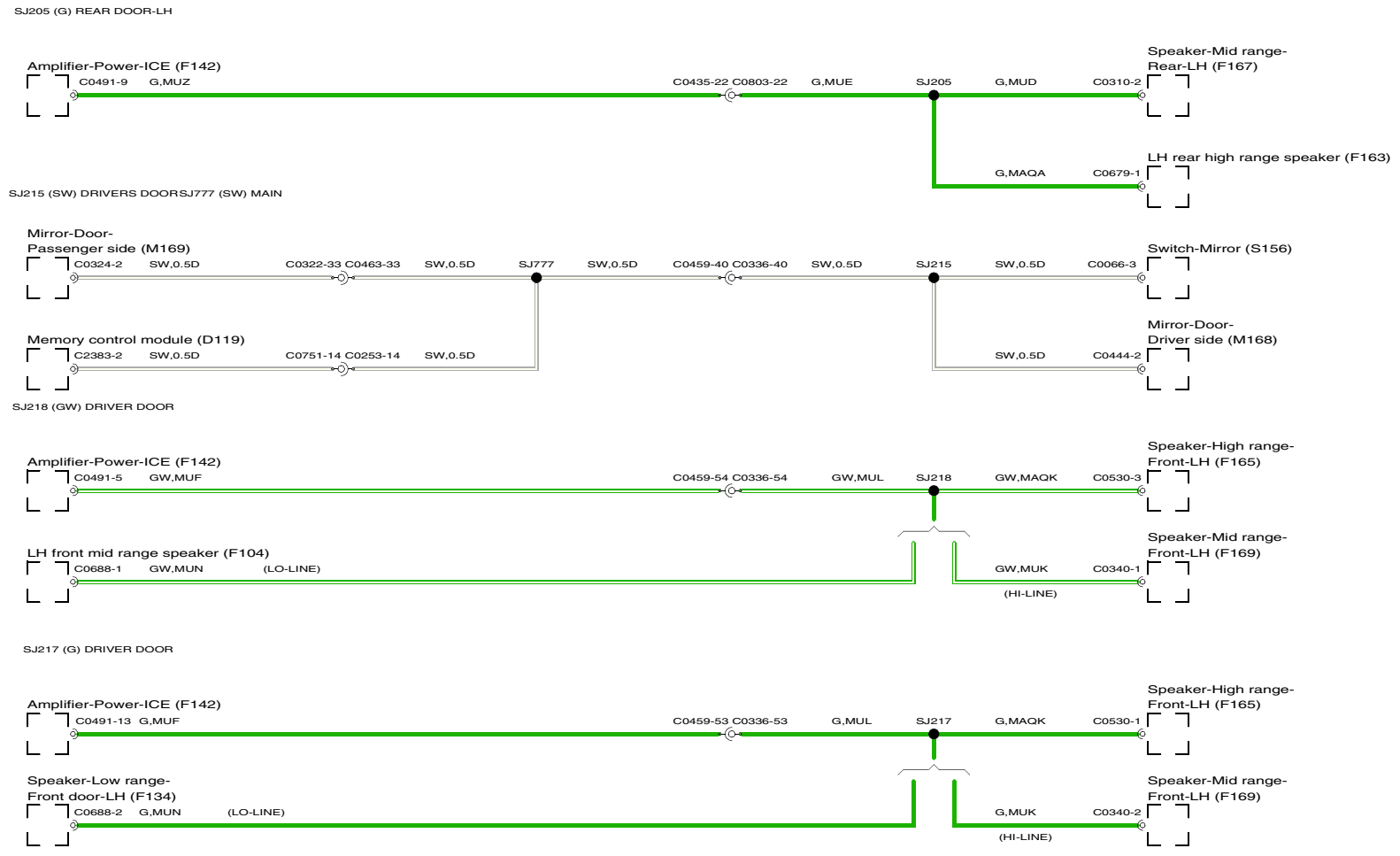


SJ204 (GW) REAR DOOR-LH



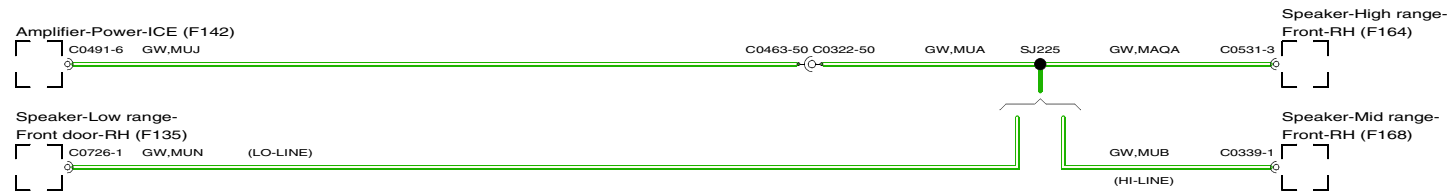
SJ205 (G) REAR DOOR-RH



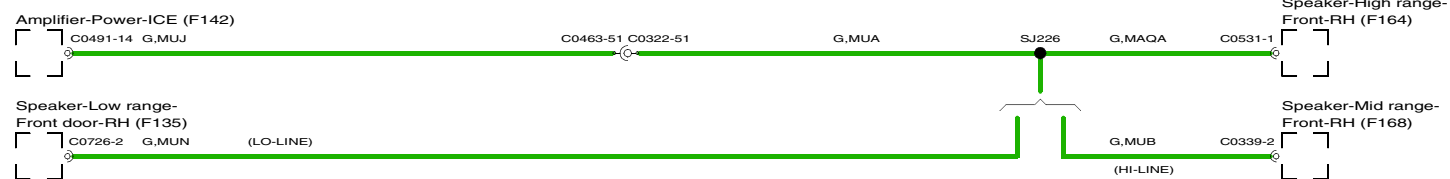




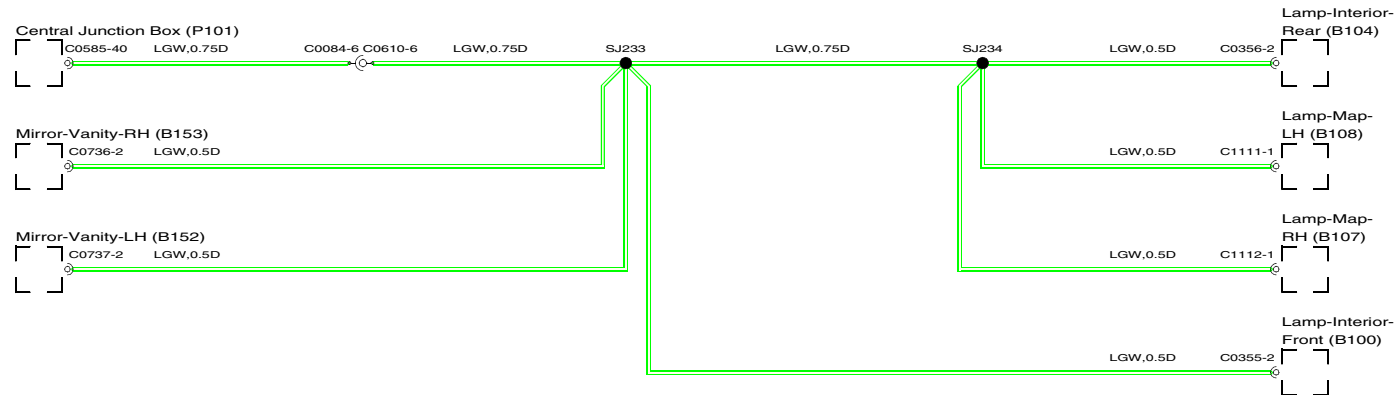
SJ225 (GW) PASSENGER DOOR



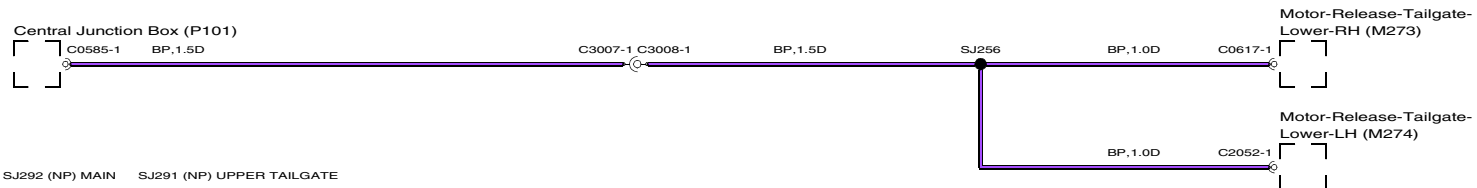
SJ226 (G) PASSENGER DOOR



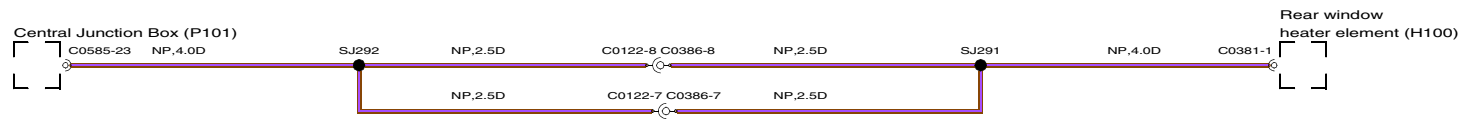
SJ233 (LGW) ROOF SJ234 (LGW) ROOF



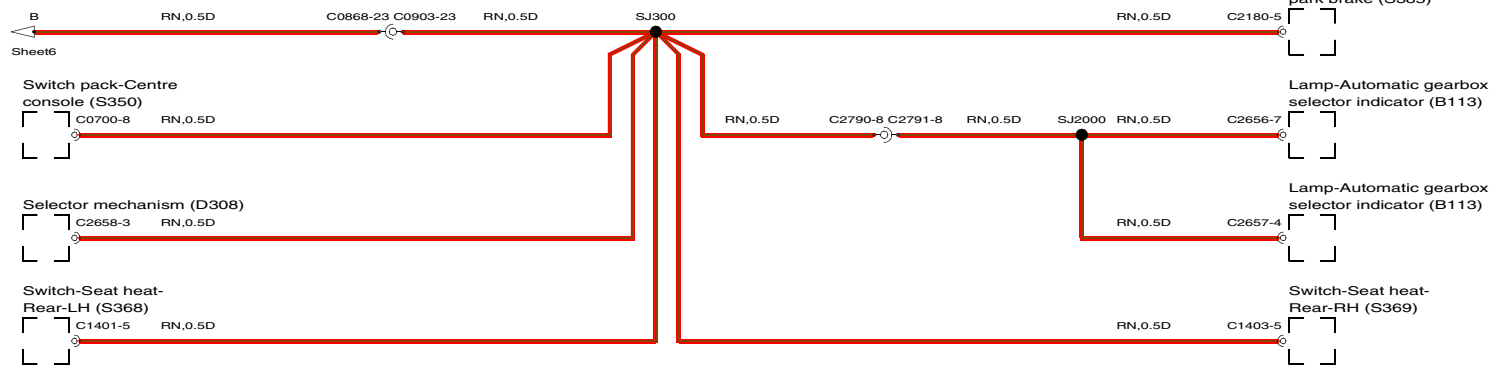
SJ256 (KP) MAIN

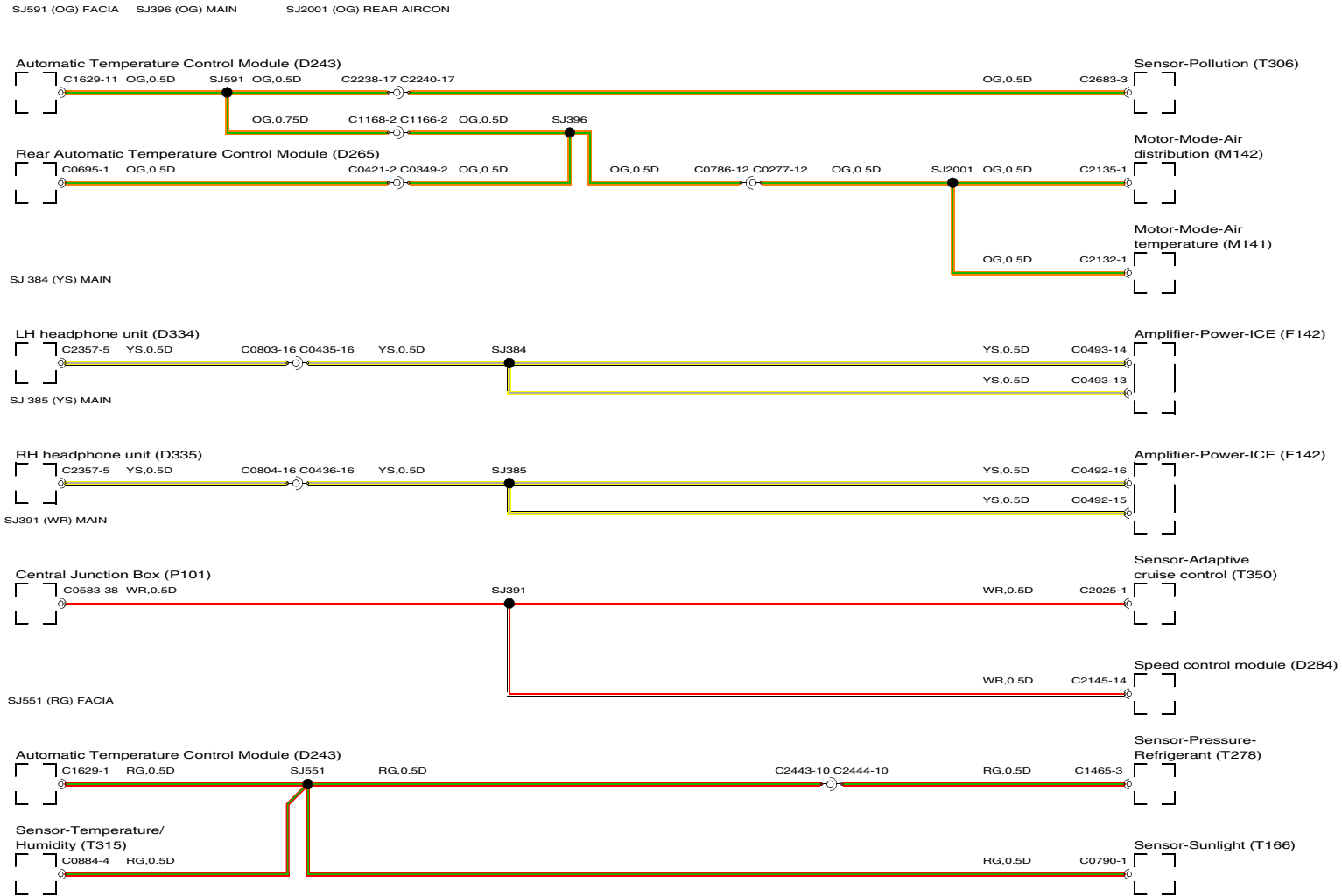


SJ292 (NP) MAIN SJ291 (NP) UPPER TAILGATE

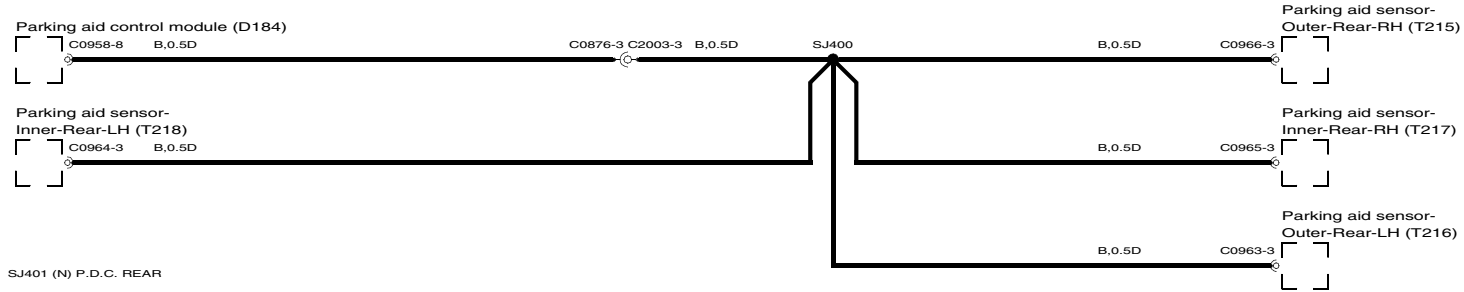


SJ300 (RN) CONSOLE SJ2000 (RN) CONSOLE LINK

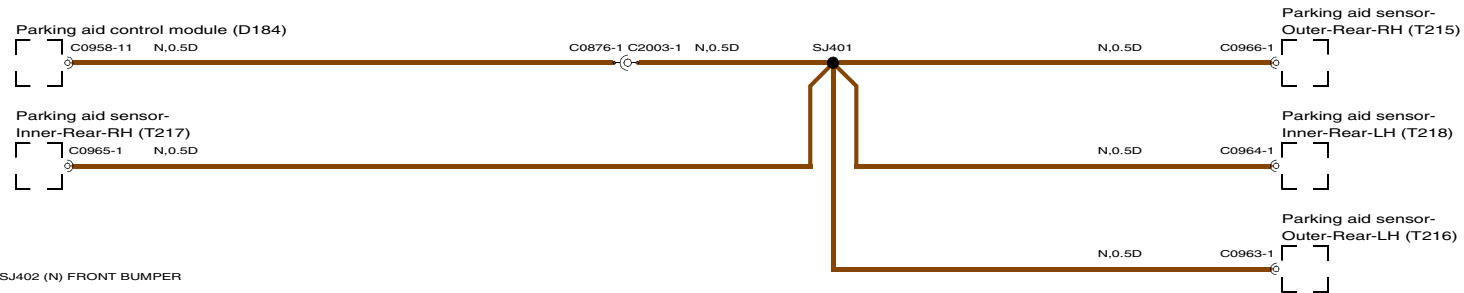




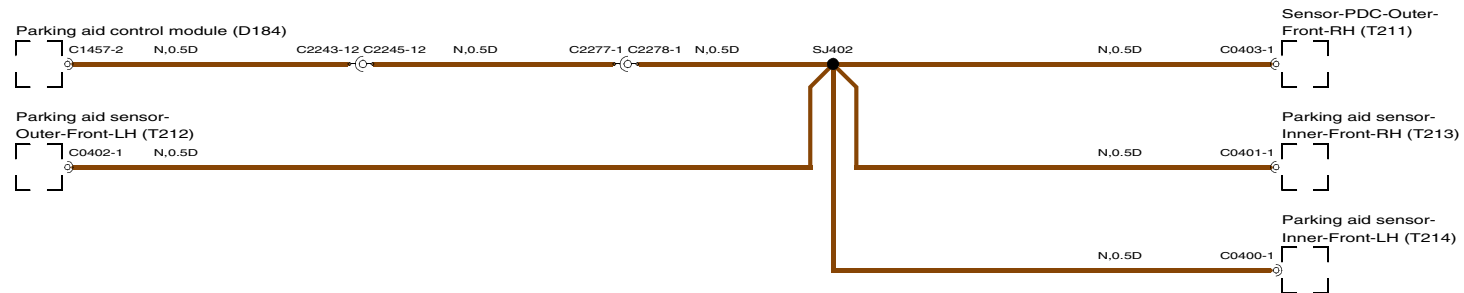
SJ400 (B) P.D.C. REAR



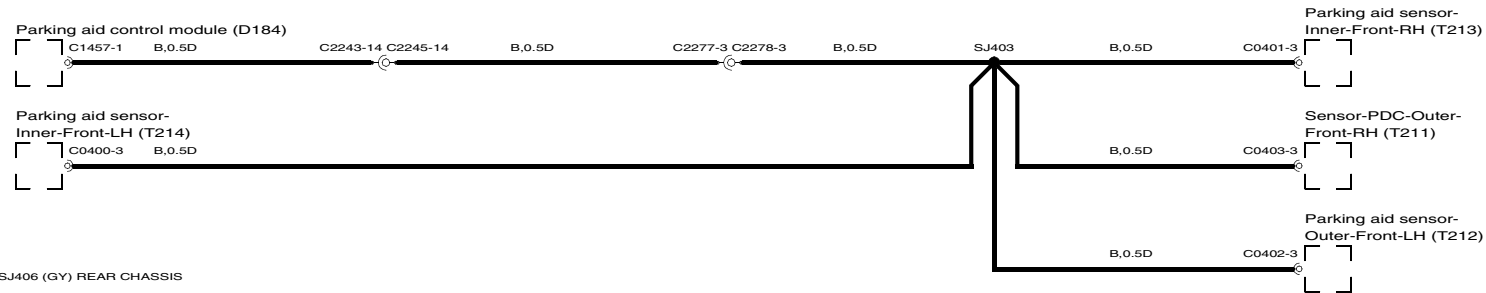
SJ401 (N) P.D.C. REAR



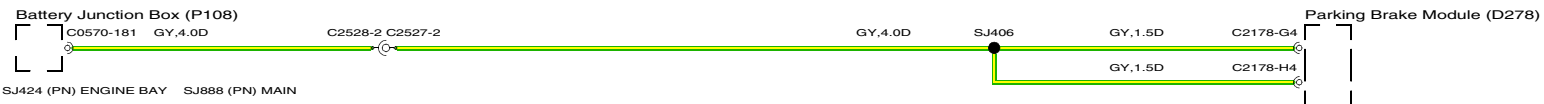
SJ402 (N) FRONT BUMPER



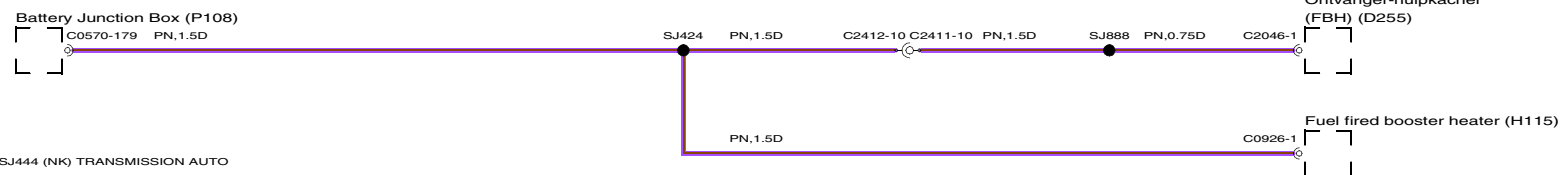
SJ403 (B) FRONT BUMPER



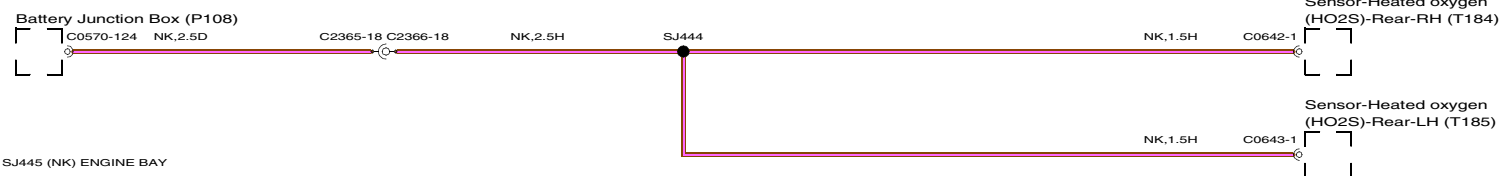
SJ406 (GY) REAR CHASSIS



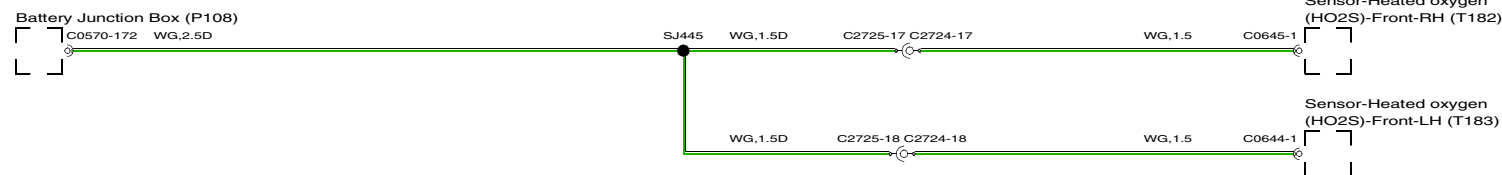
SJ424 (PN) ENGINE BAY SJ888 (PN) MAIN



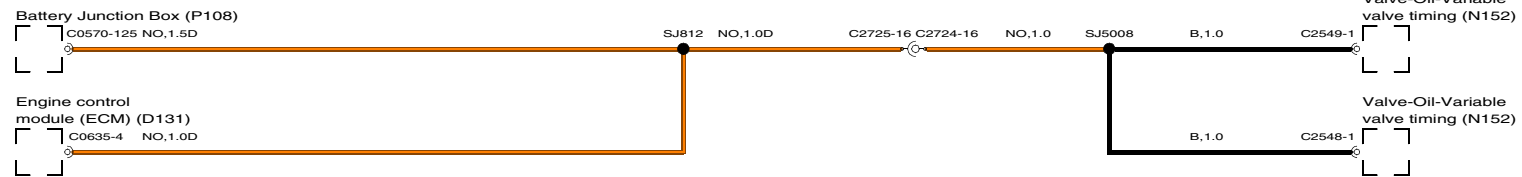
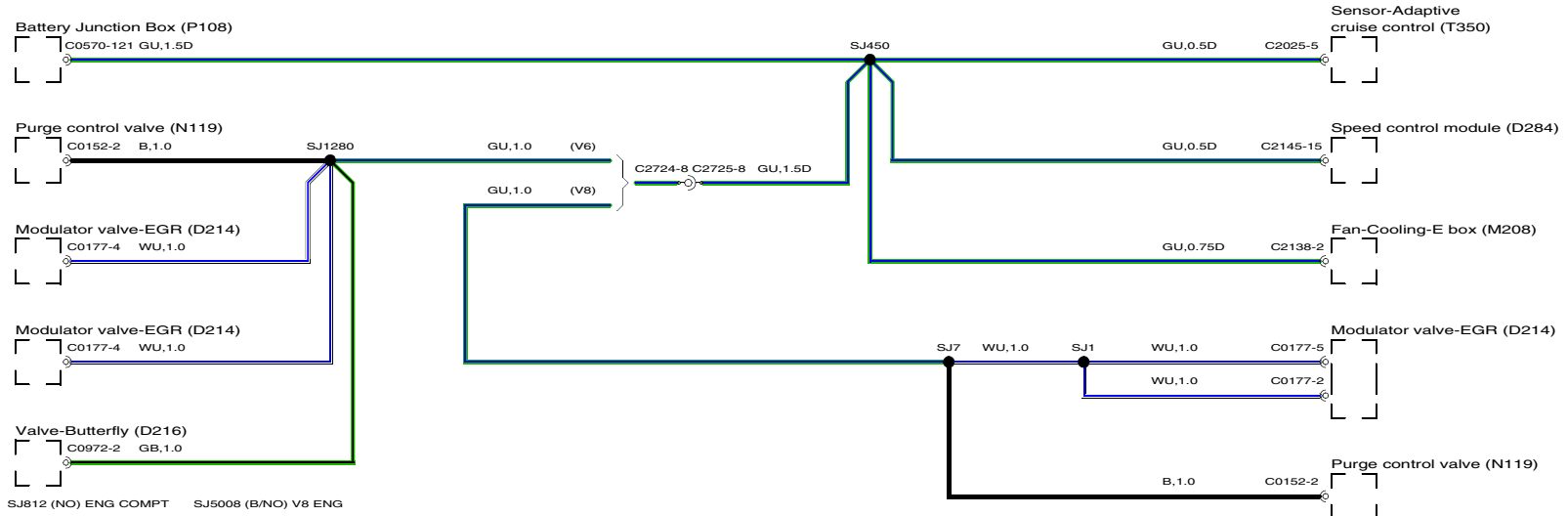
SJ444 (NK) TRANSMISSION AUTO



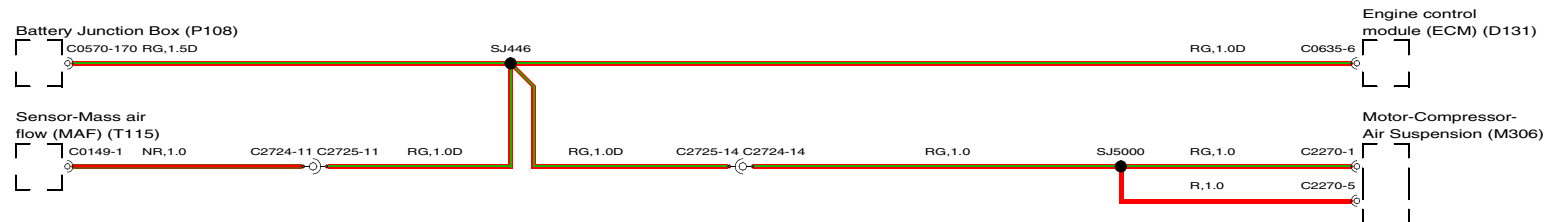
SJ445 (NK) ENGINE BAY



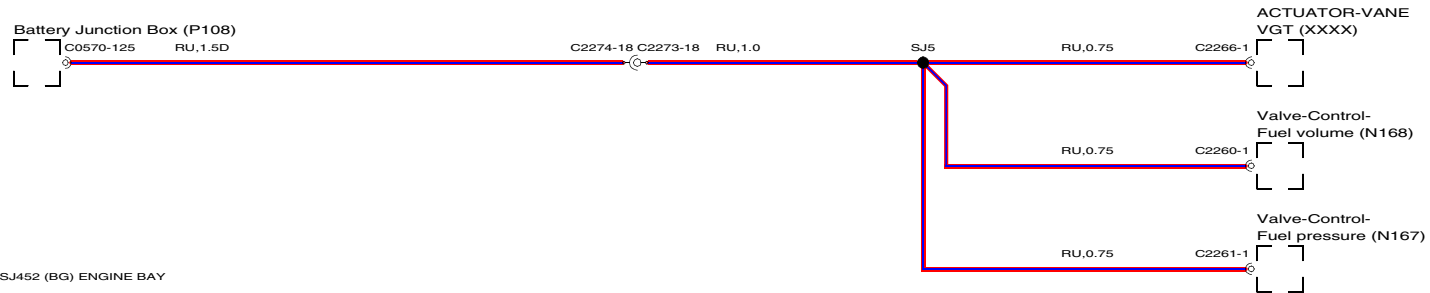
SJ450 (NK) ENGINE BAY SJ1280 (NK) V6 PETROL SJ7 (B) ENGINE-V8 SJ1 (WU) ENGINE-V8



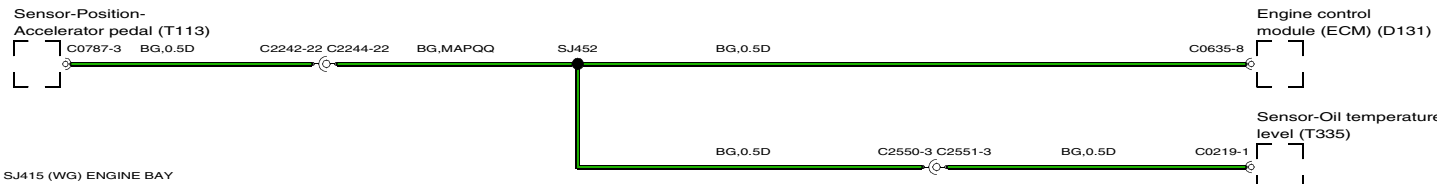
SJ446 (RG) ENGINE BAY SJ5000 (RG) PETROL V6



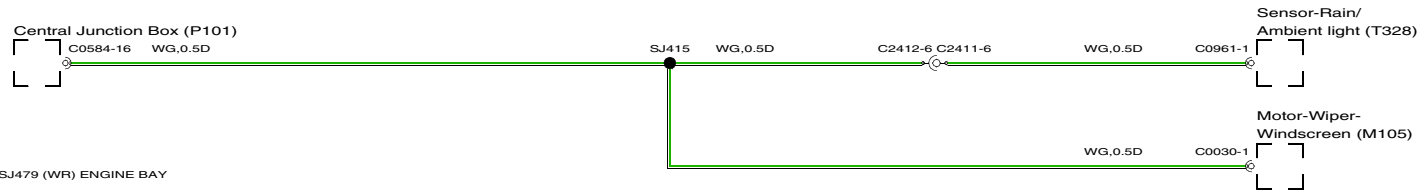
SJ5 (RU) ENGINE



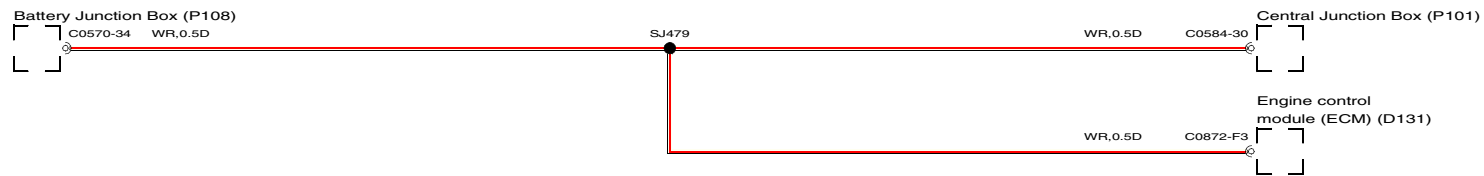
SJ452 (BG) ENGINE BAY



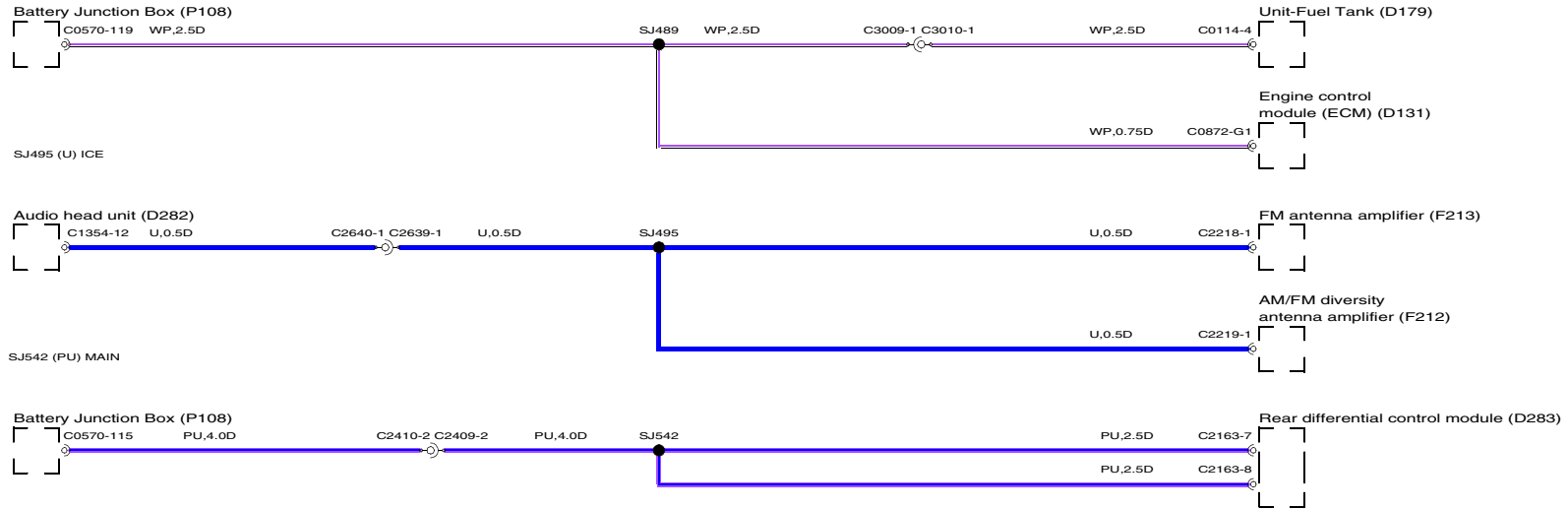
SJ415 (WG) ENGINE BAY



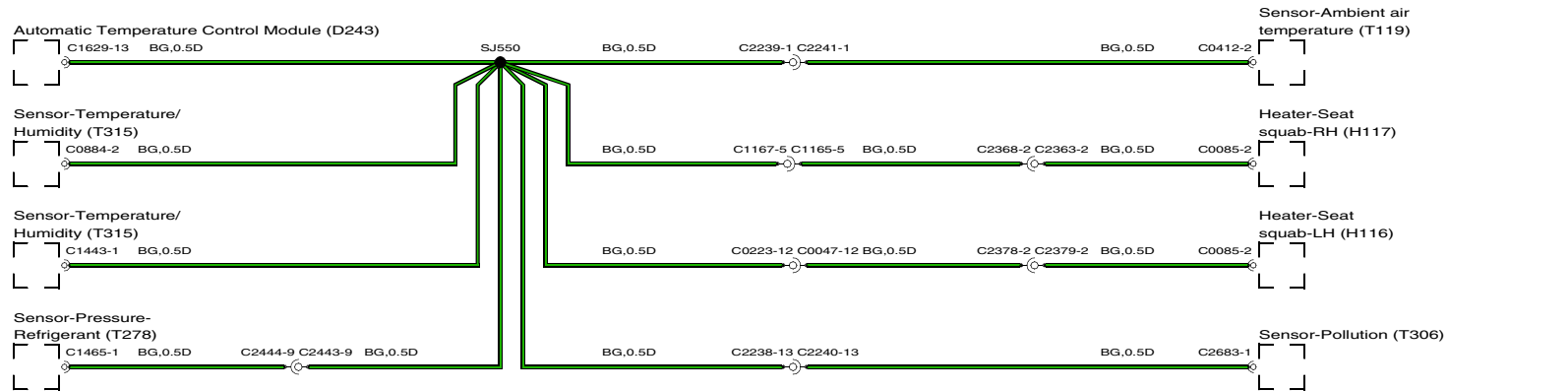
SJ479 (WR) ENGINE BAY



SJ489 (WP) ENGINE BAY

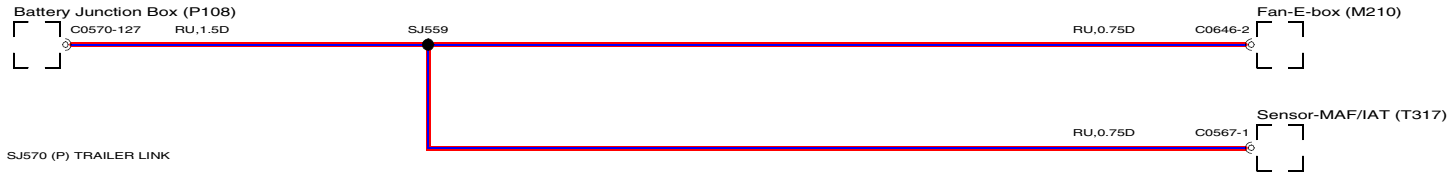


SJ550 (BG) FACIA





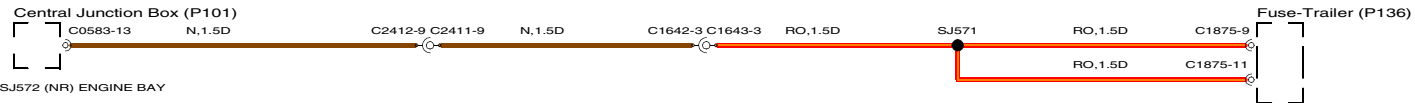
SJ559 (RU) ENGINE BAY



SJ570 (P) TRAILER LINK



SJ571 (RO) TRAILER LINK



SJ572 (NR) ENGINE BAY

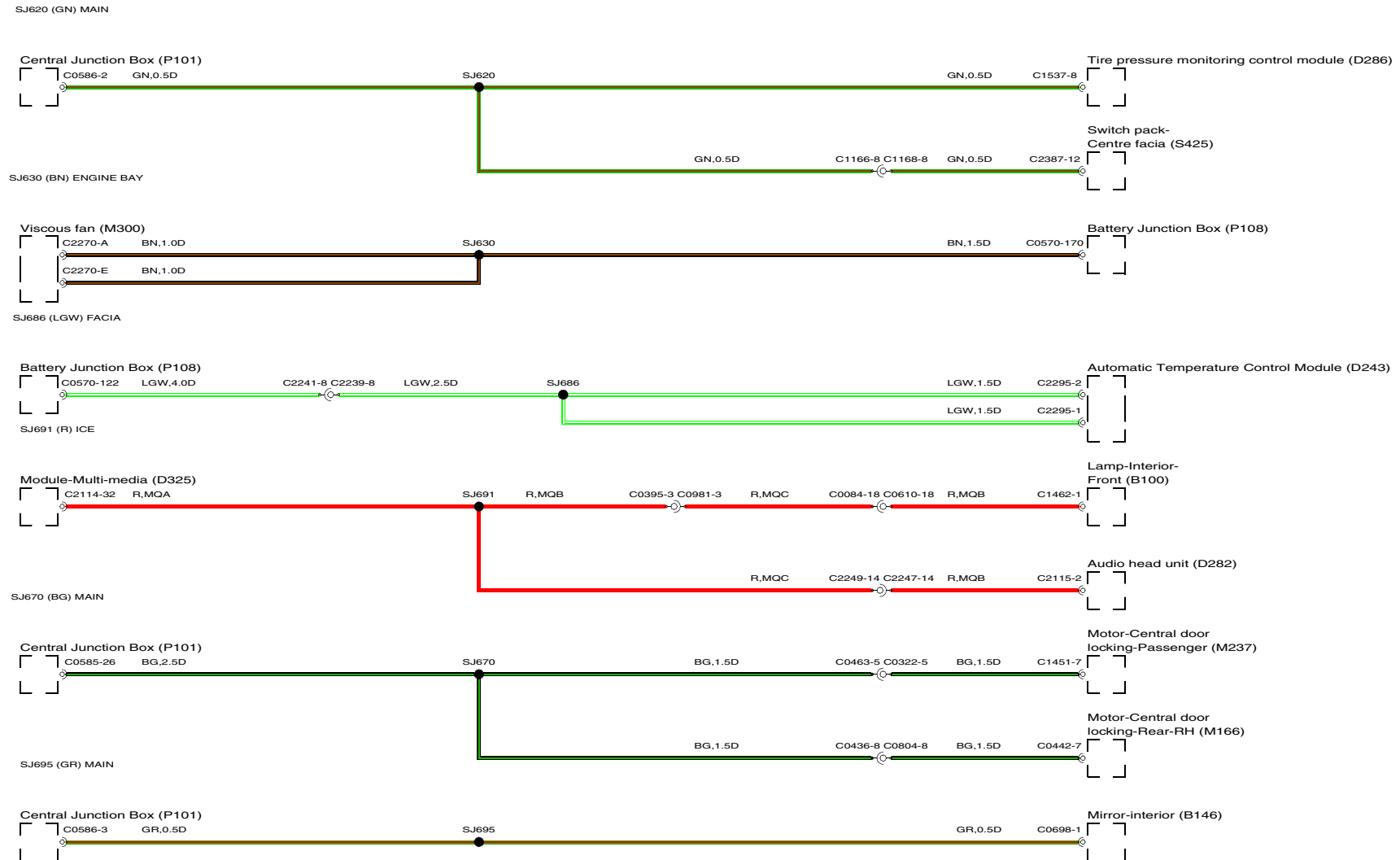


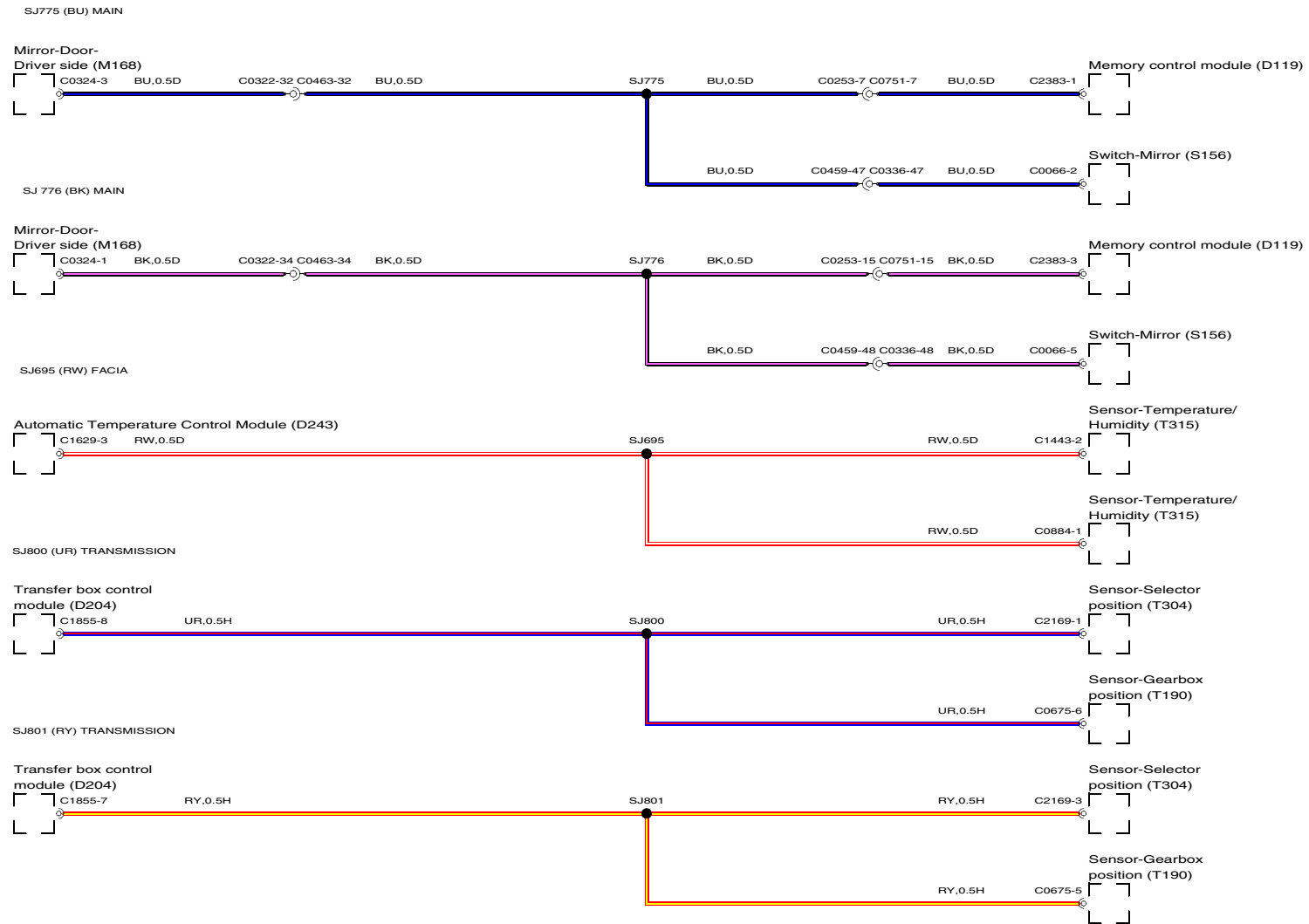
SJ574 (LG) ENGINE BAY

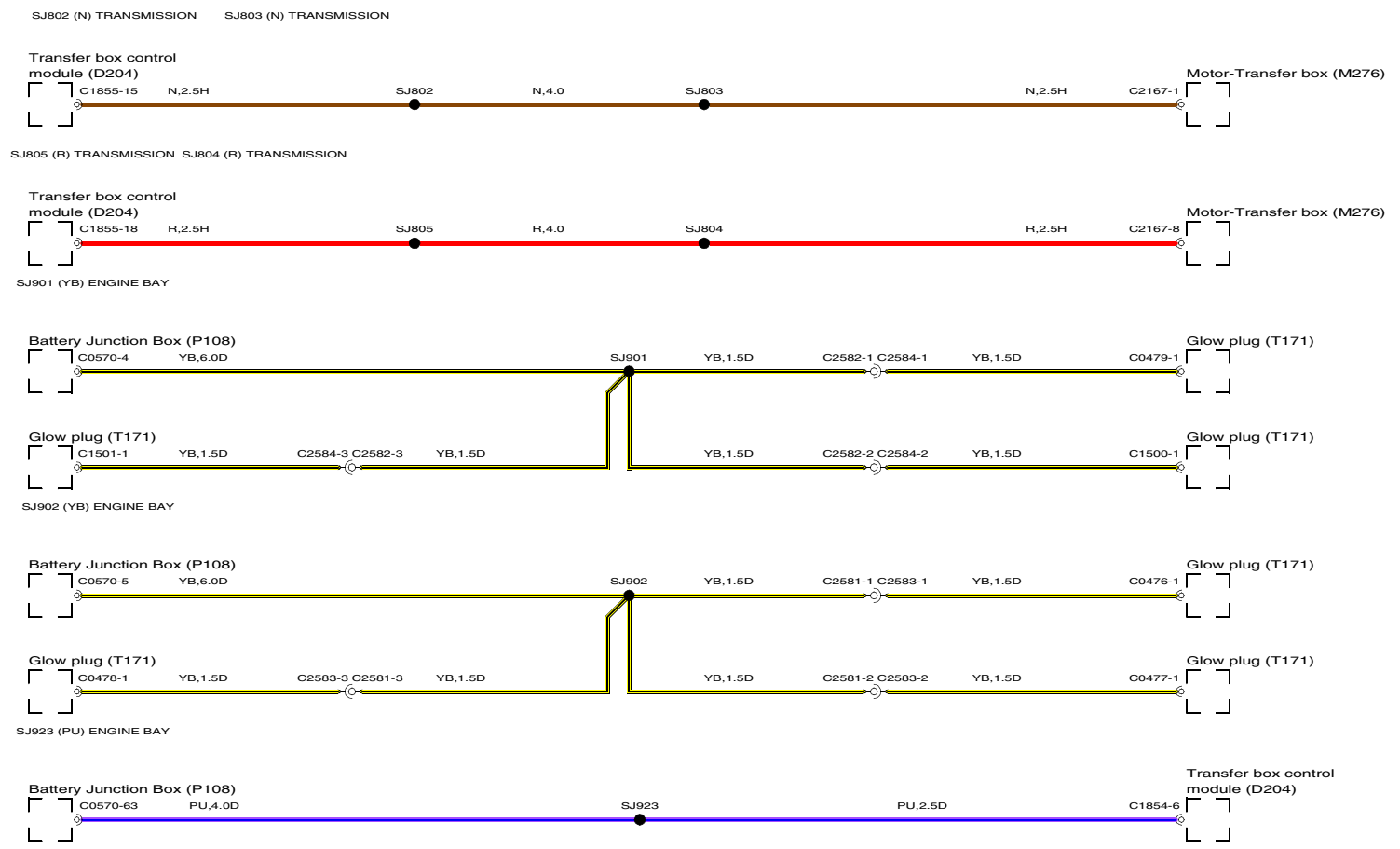


SJ592 (GO) ENGINE BAY

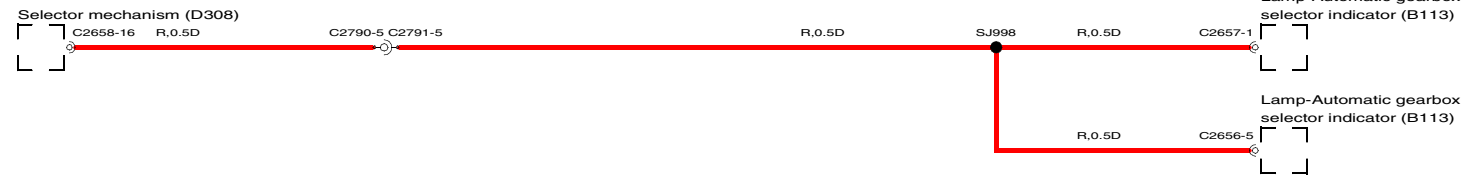
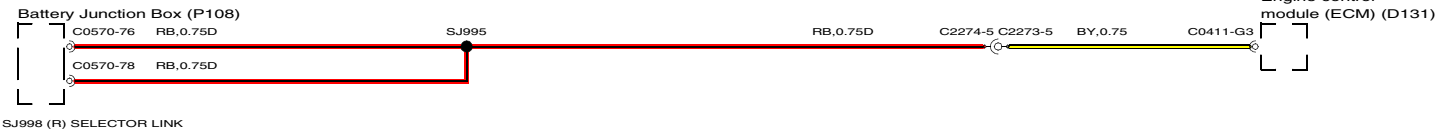
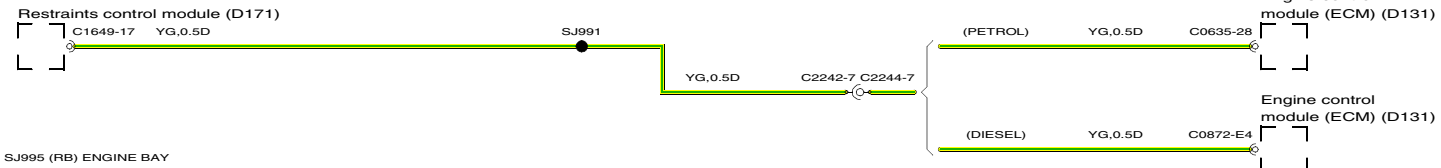
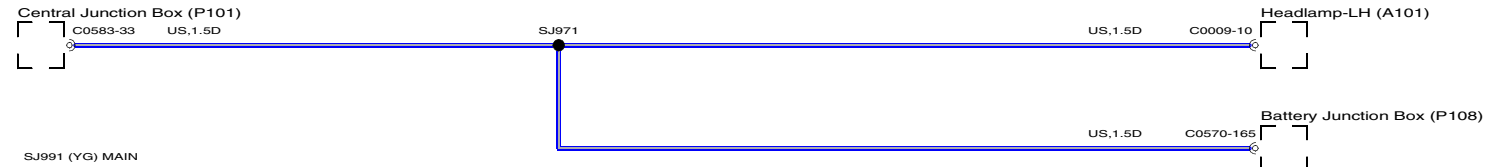
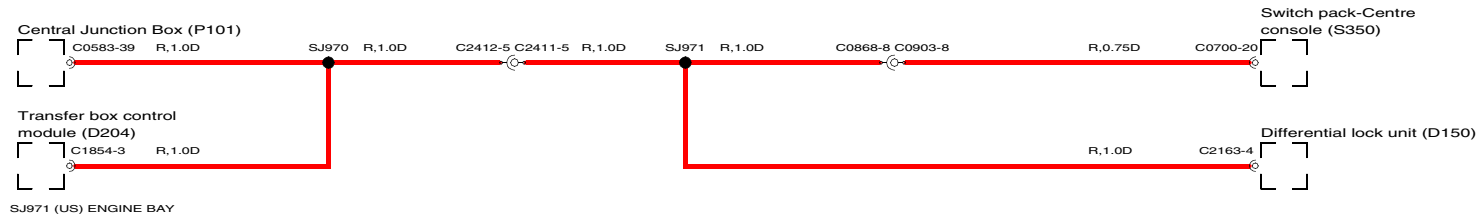




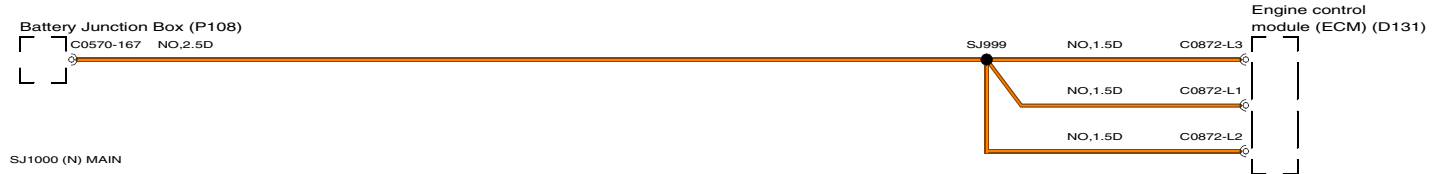




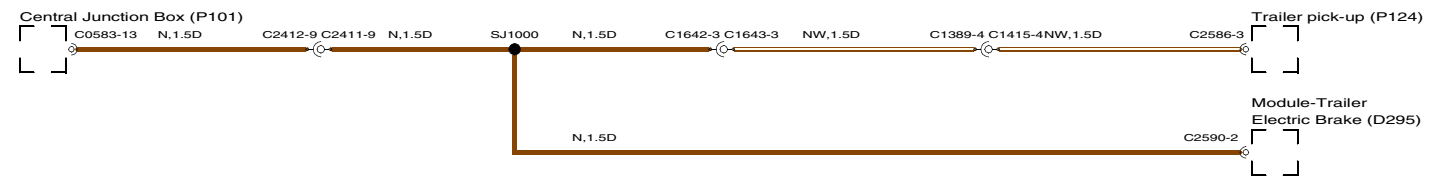
SJ970 (R) ENGINE BAY SJ971 (R) MAIN



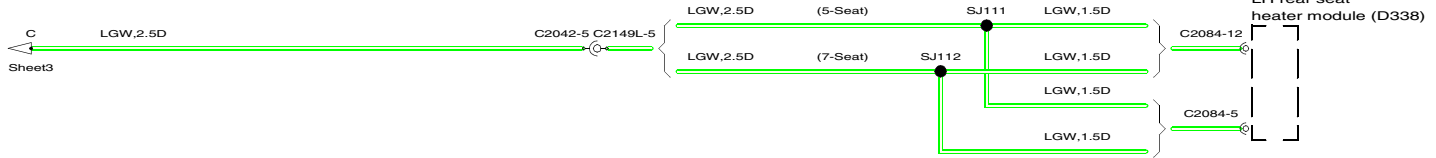
SJ999 (NO) ENGINE BAY



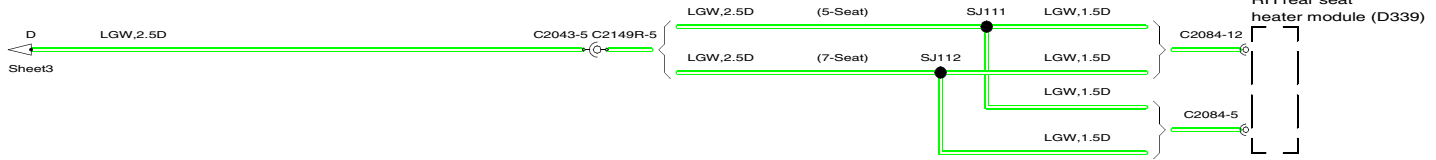
SJ1000 (N) MAIN



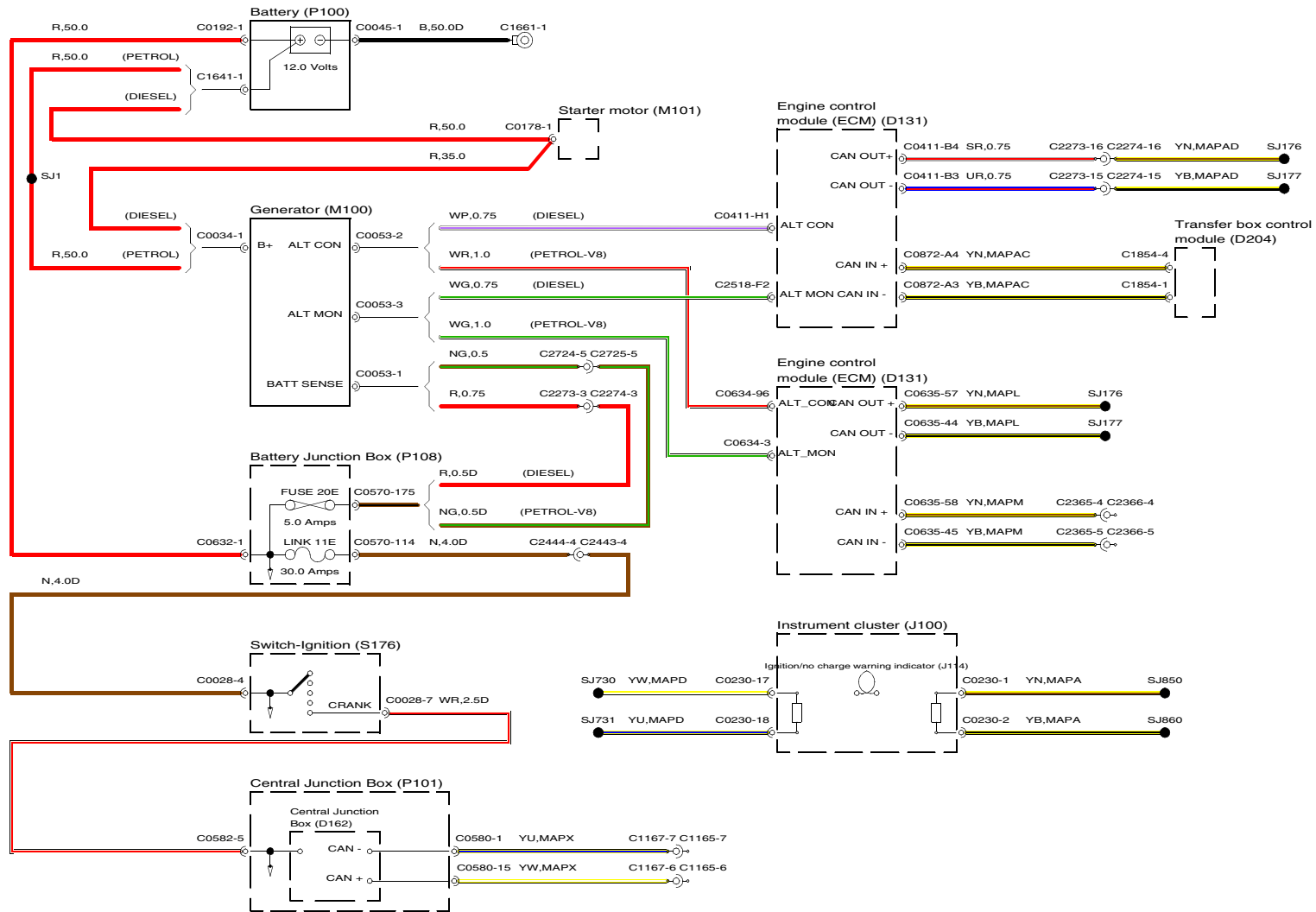
SJ112 (LGW) REAR SEAT LH SJ111 (LGW) REAR SEAT LH



SJ112 (LGW) REAR SEAT RH SJ111 (LGW) REAR SEAT RH

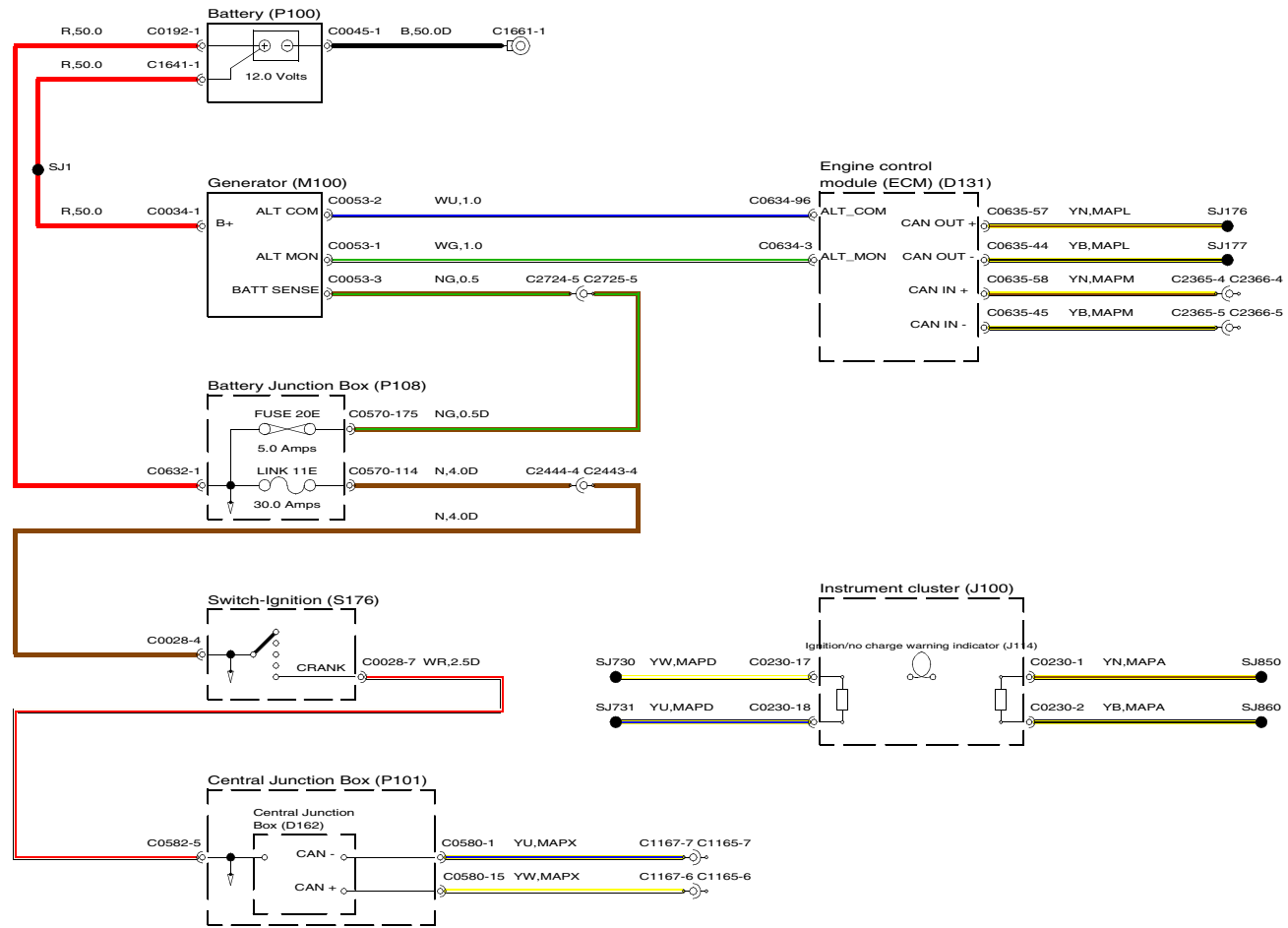




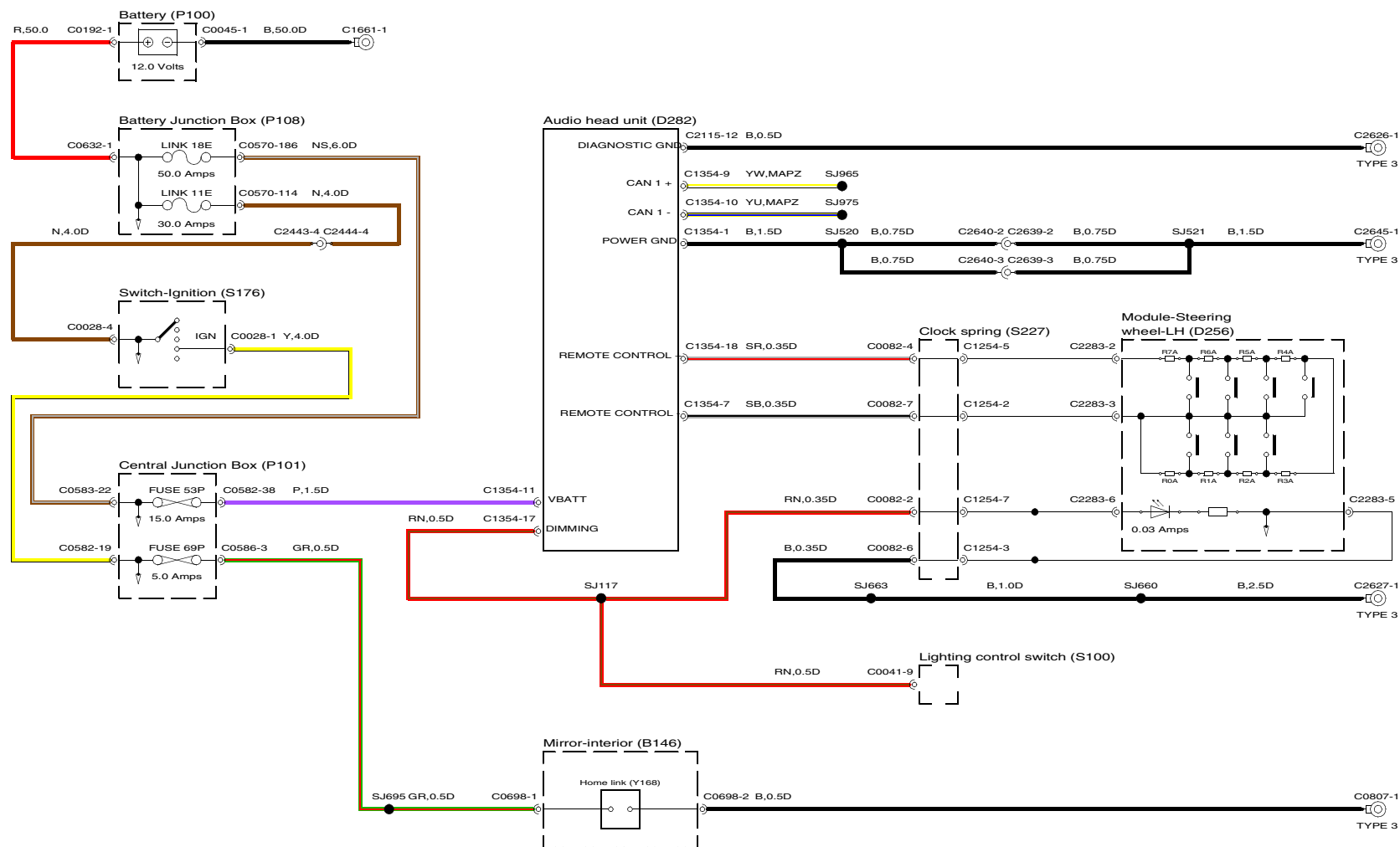


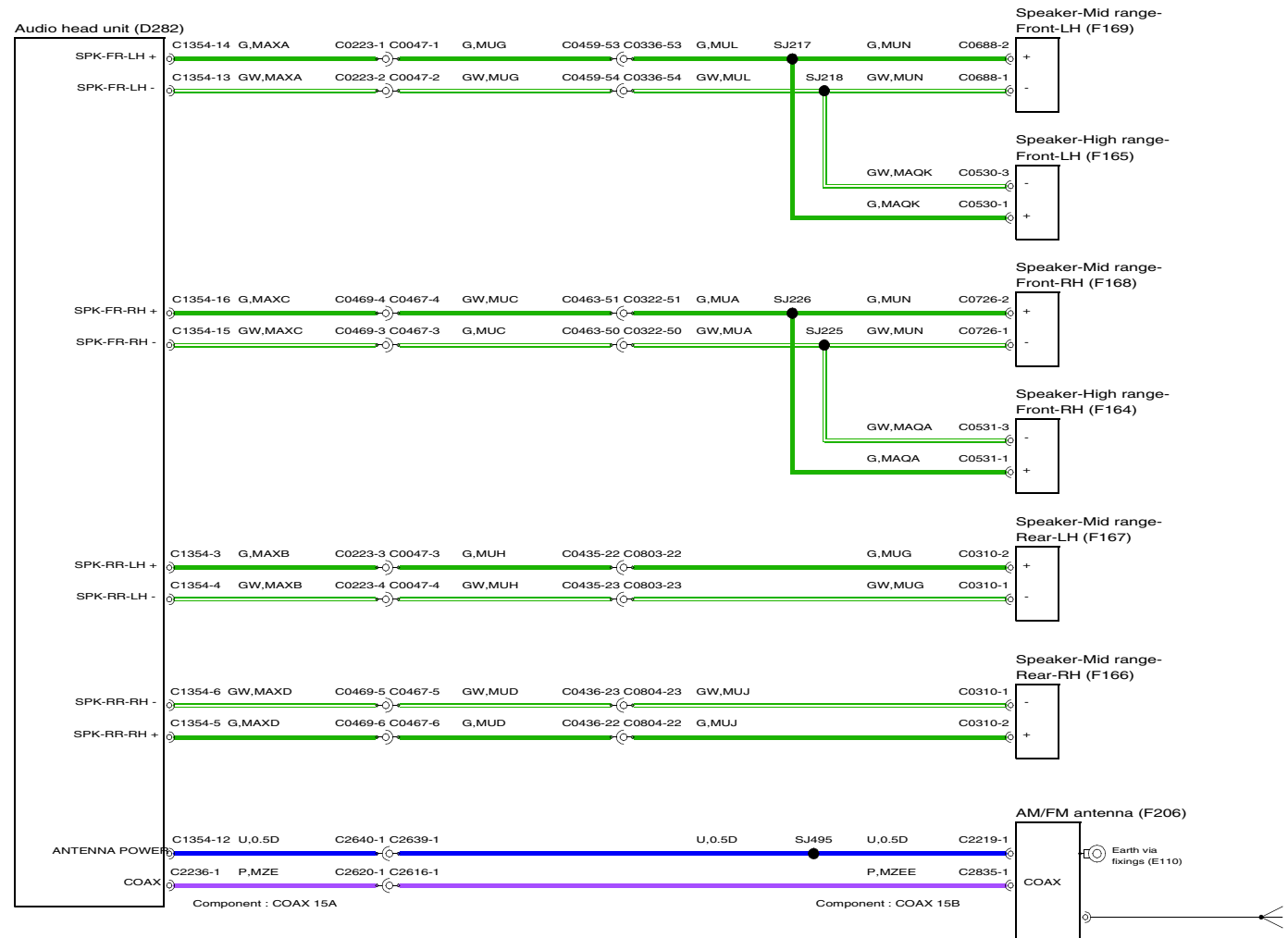


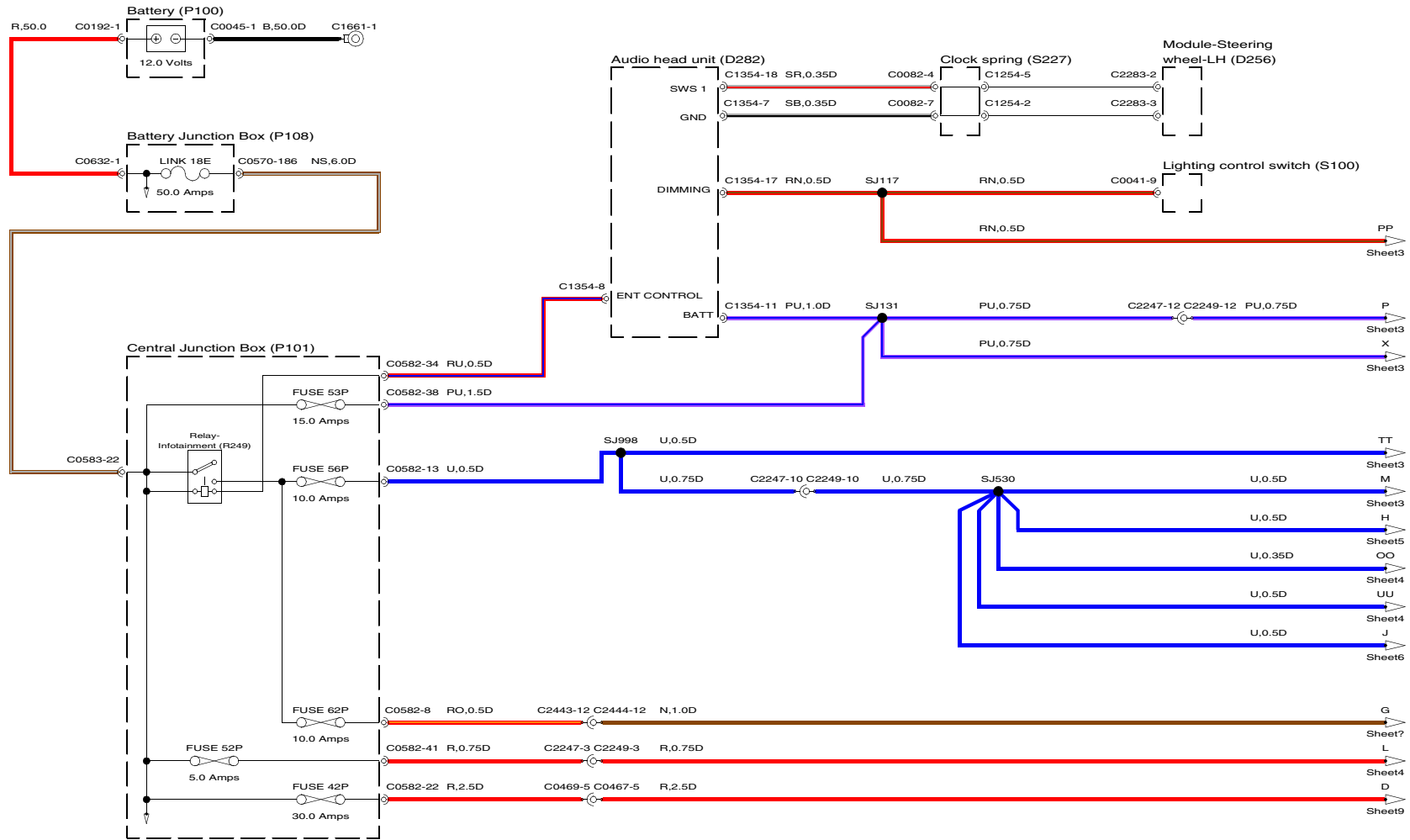


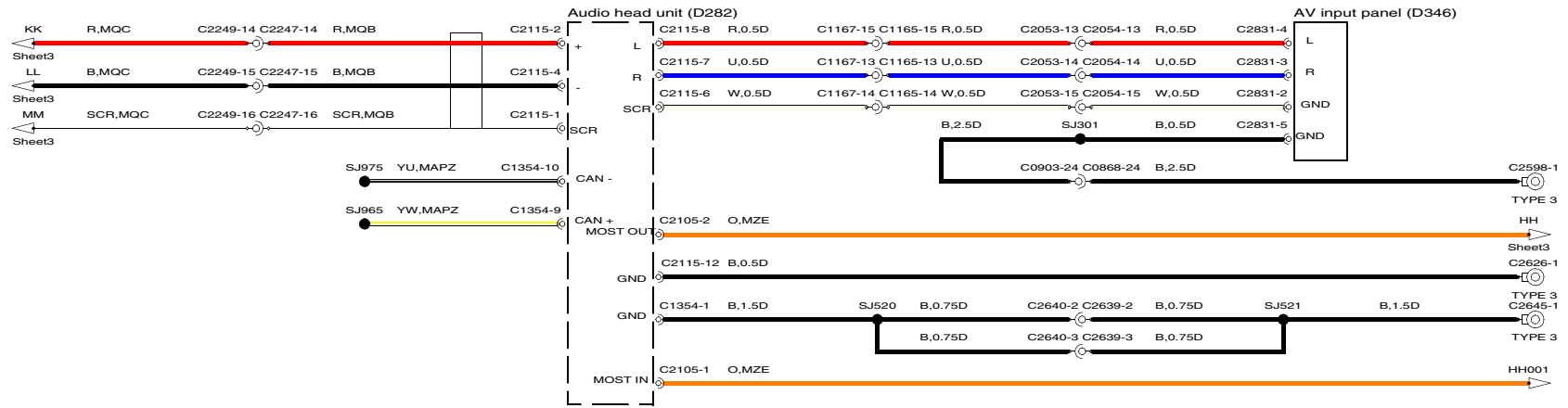


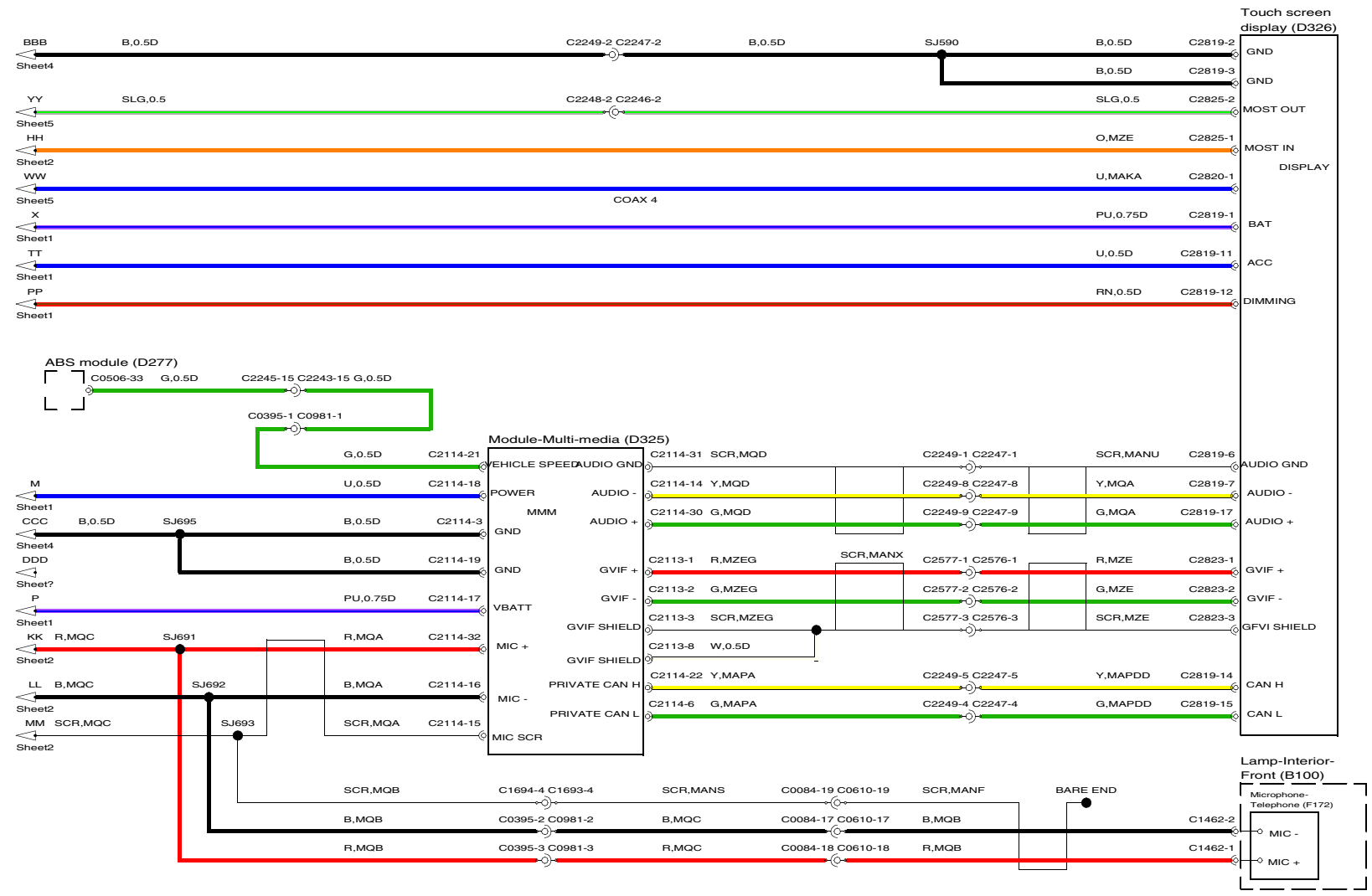




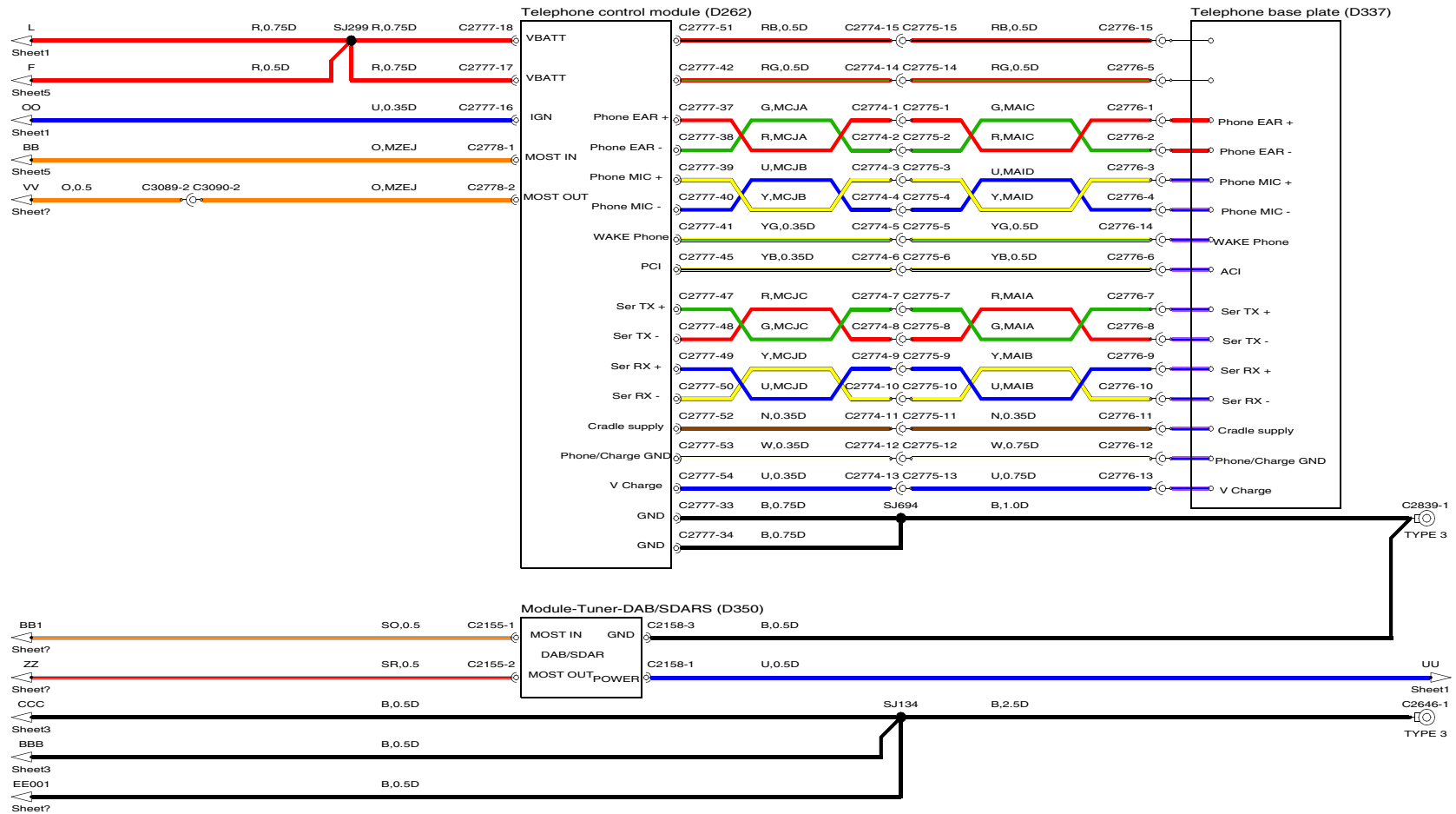


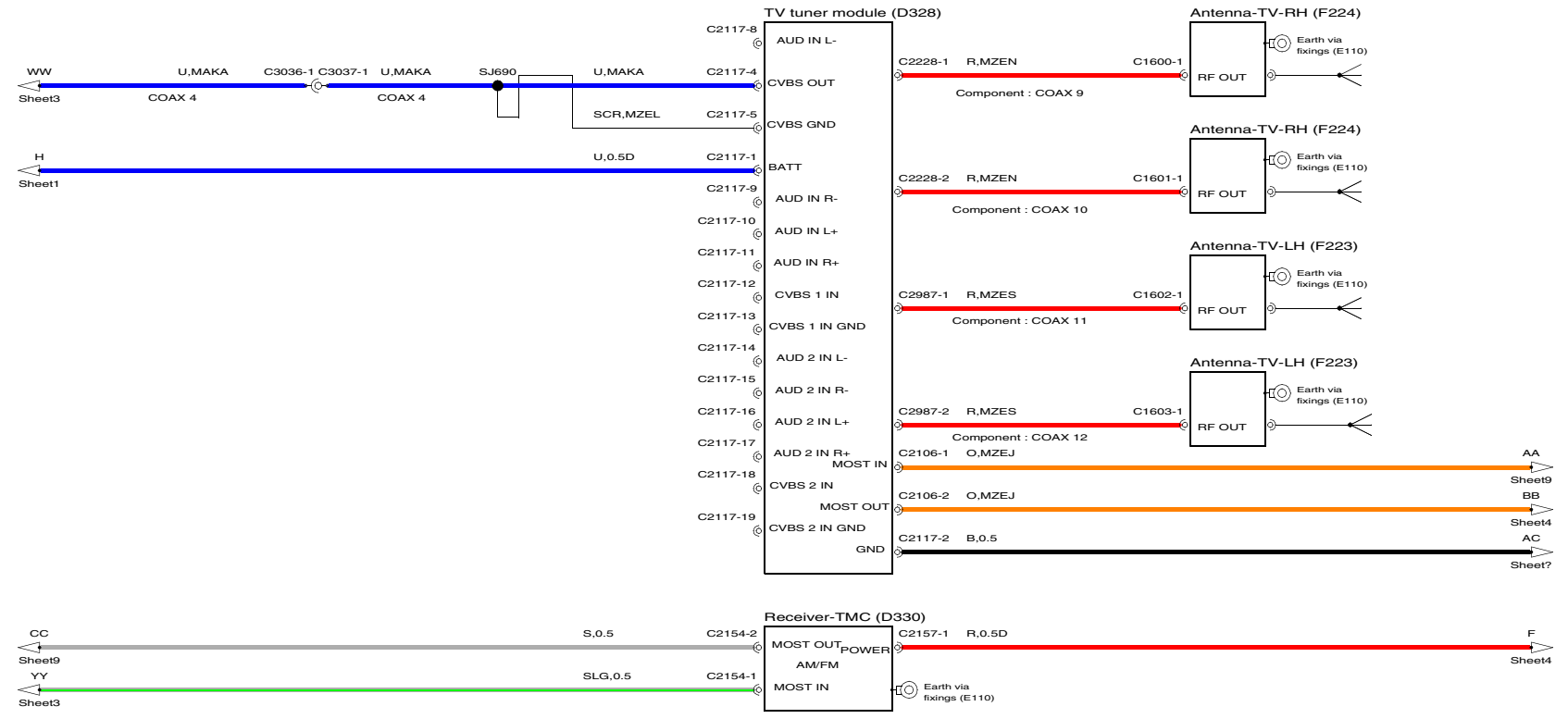


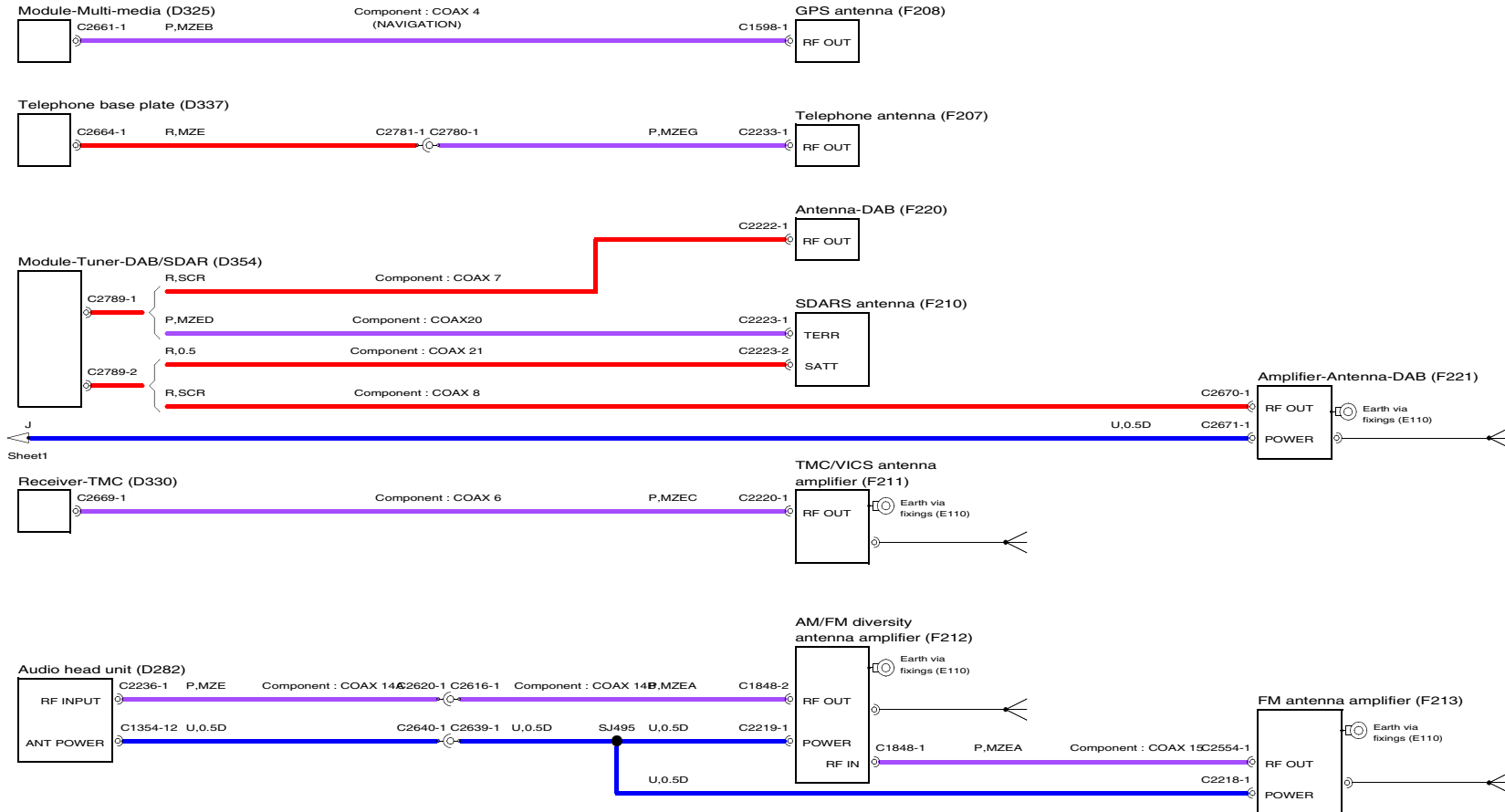


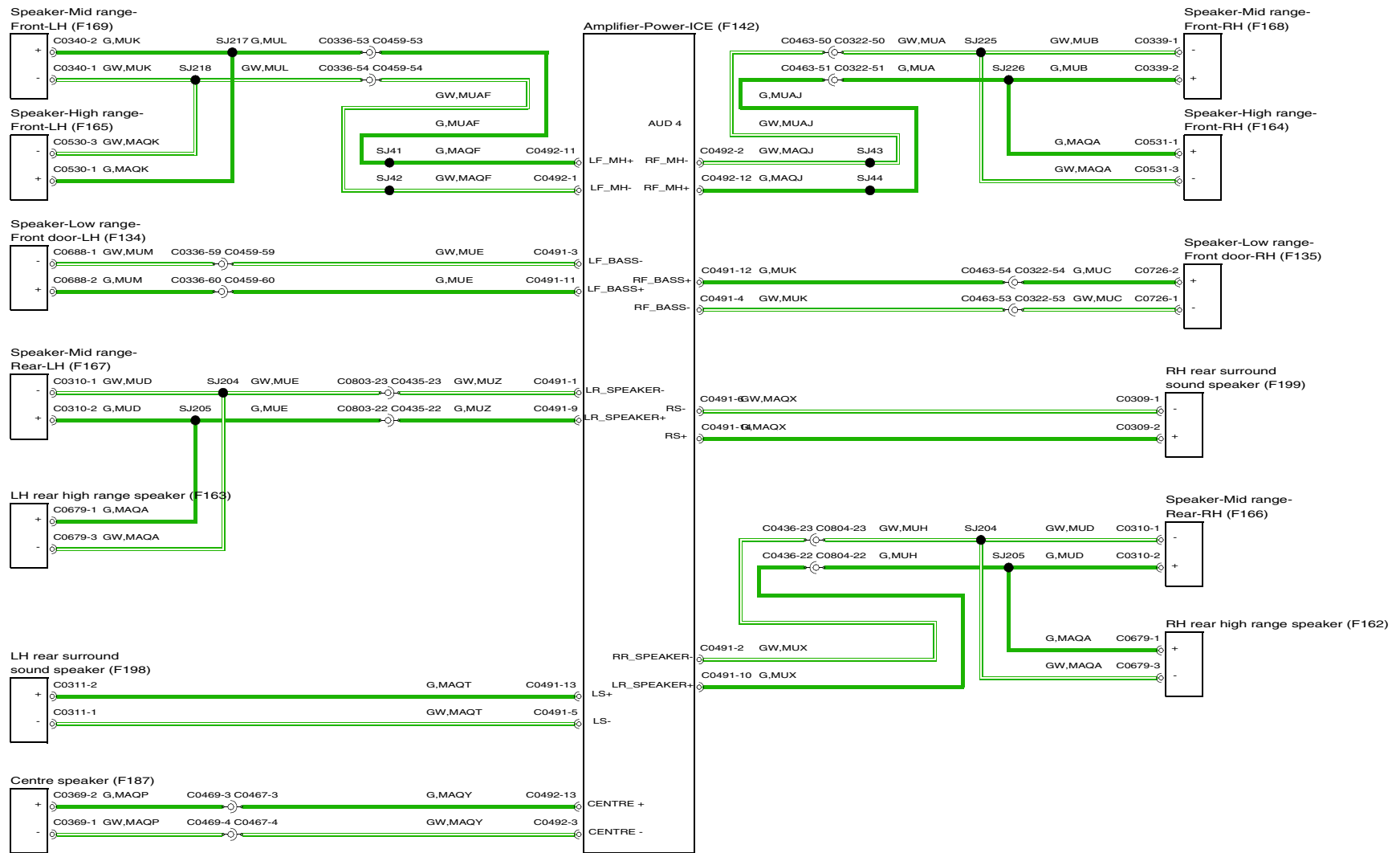


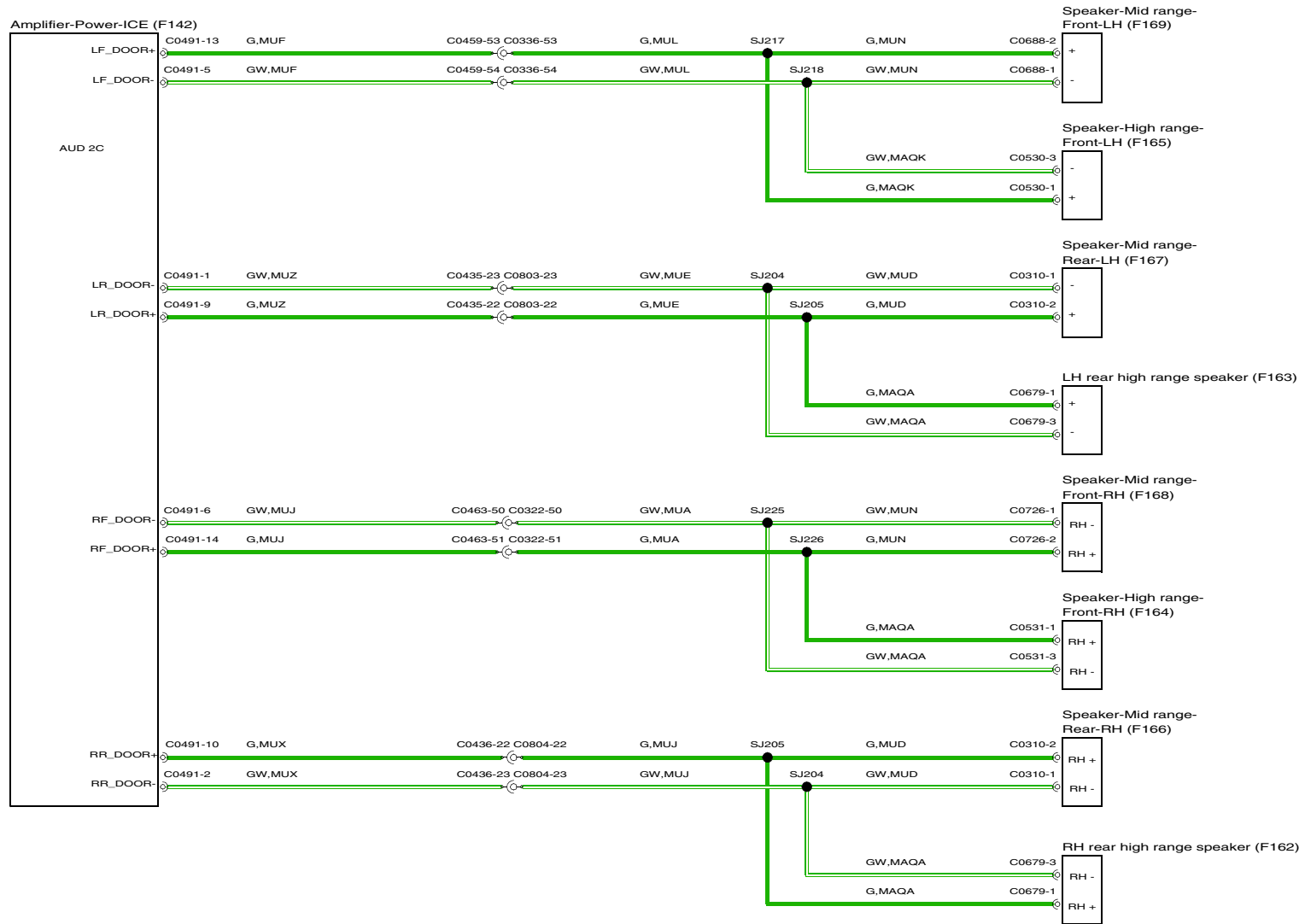


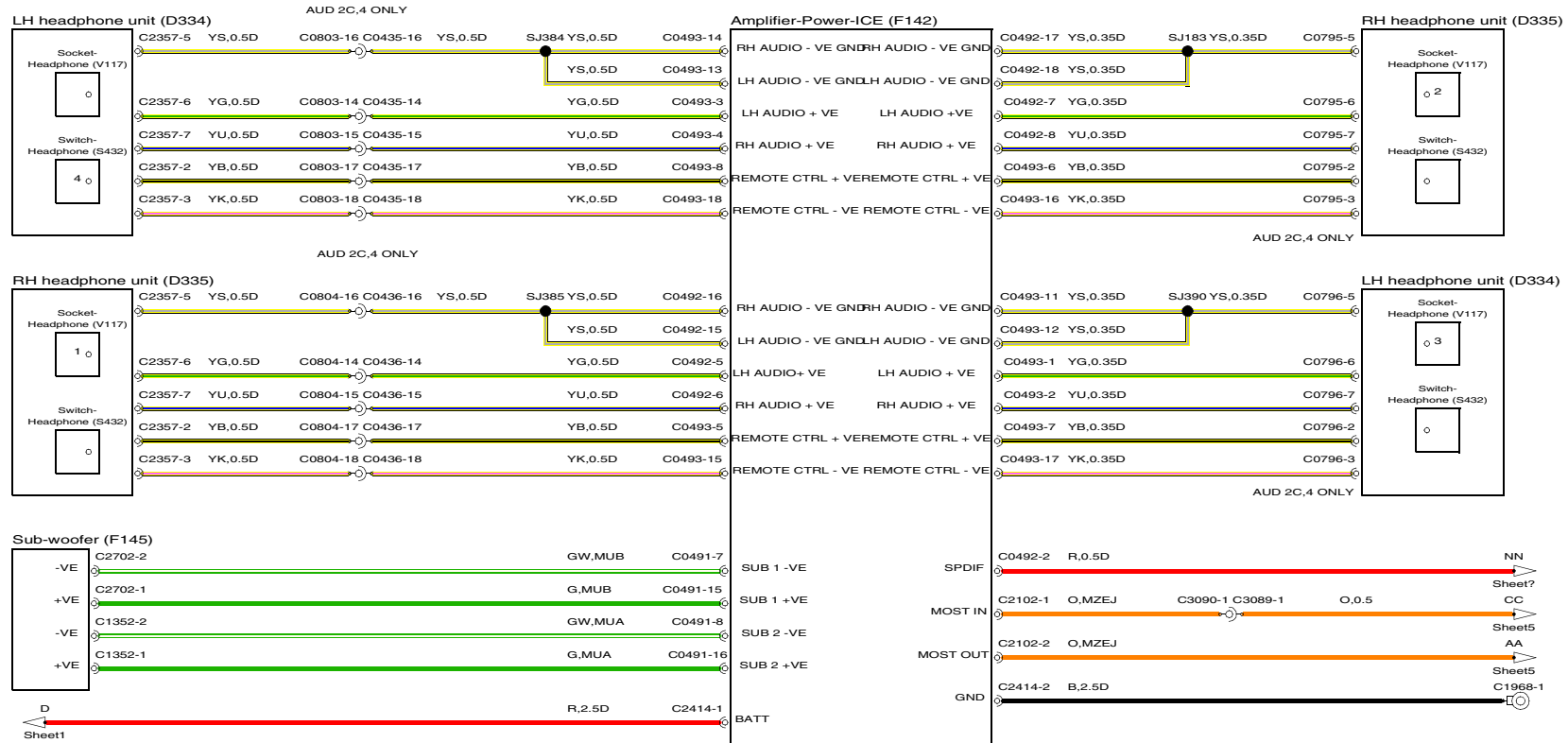




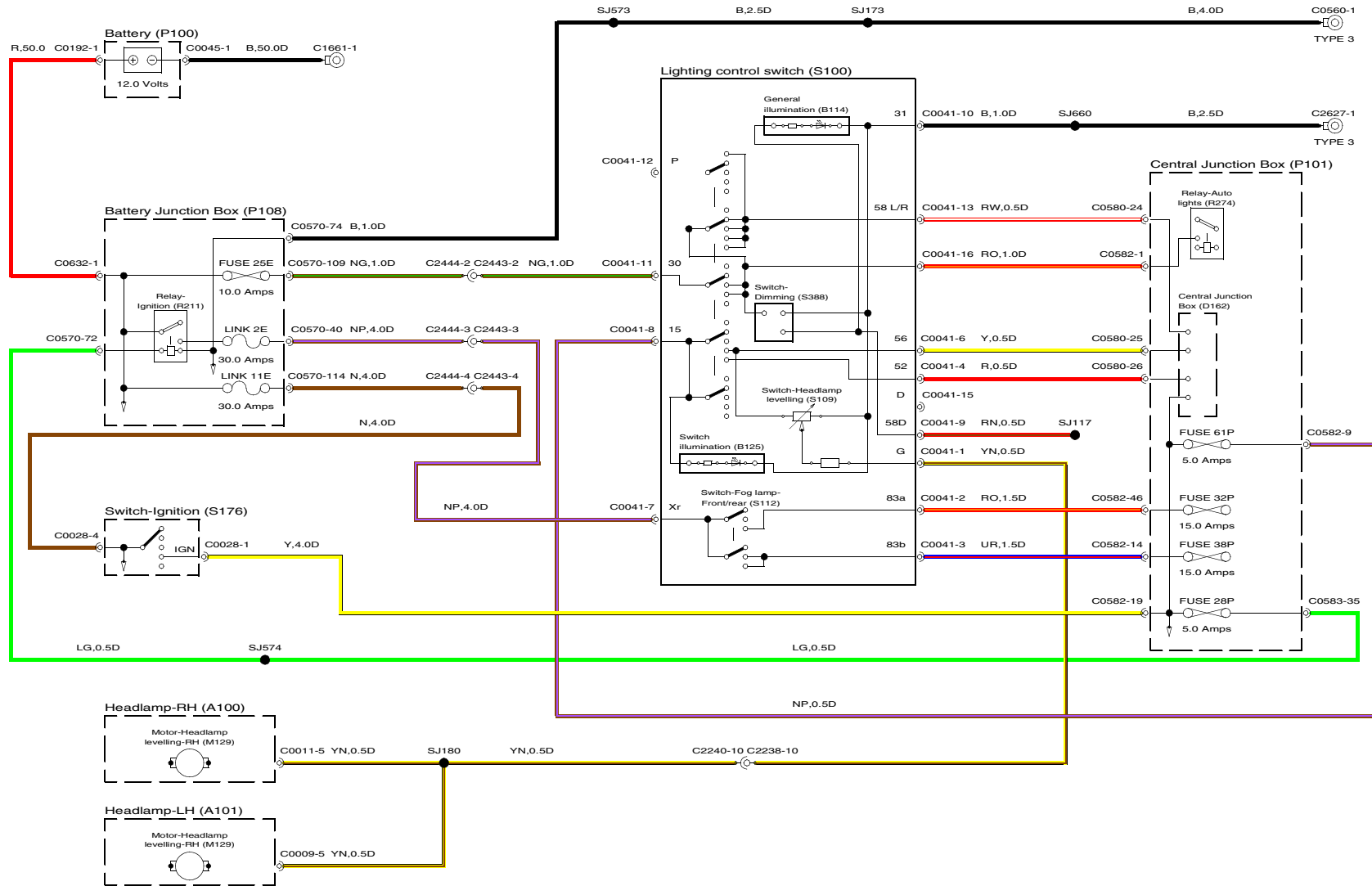






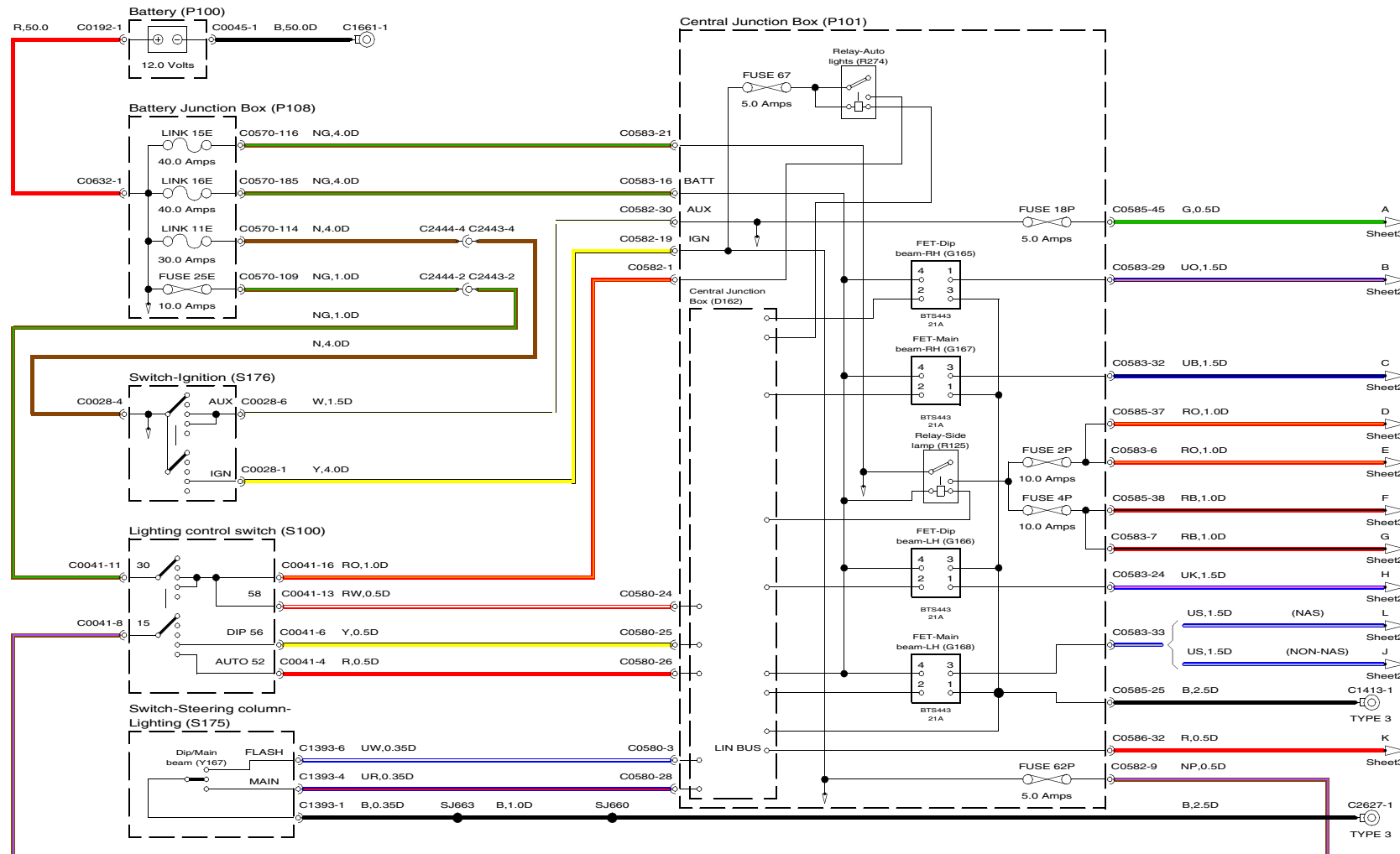


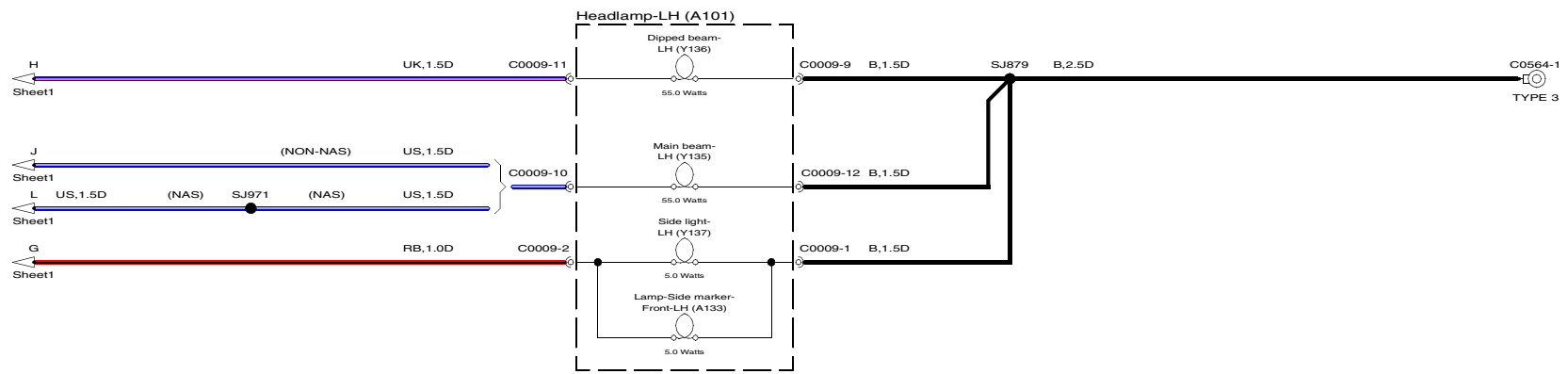
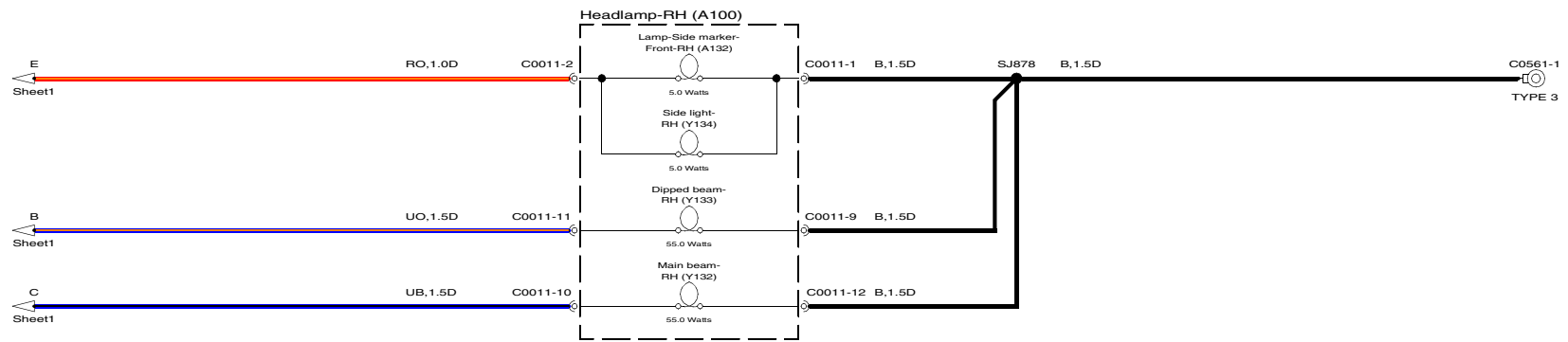


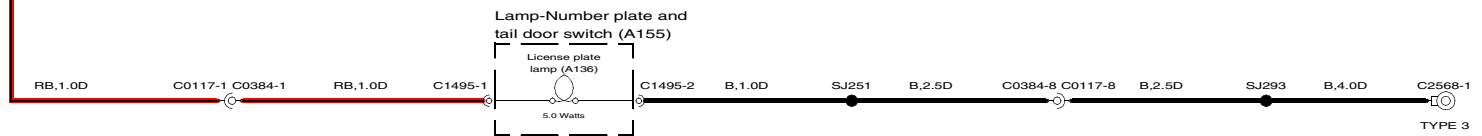
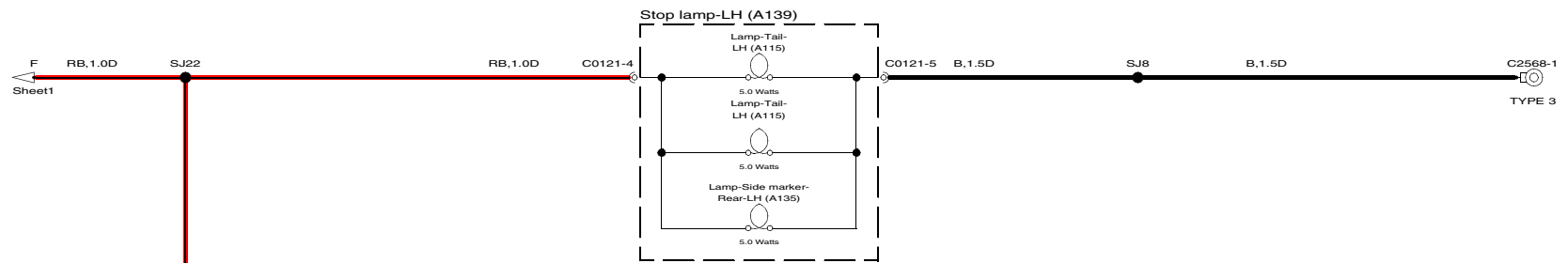
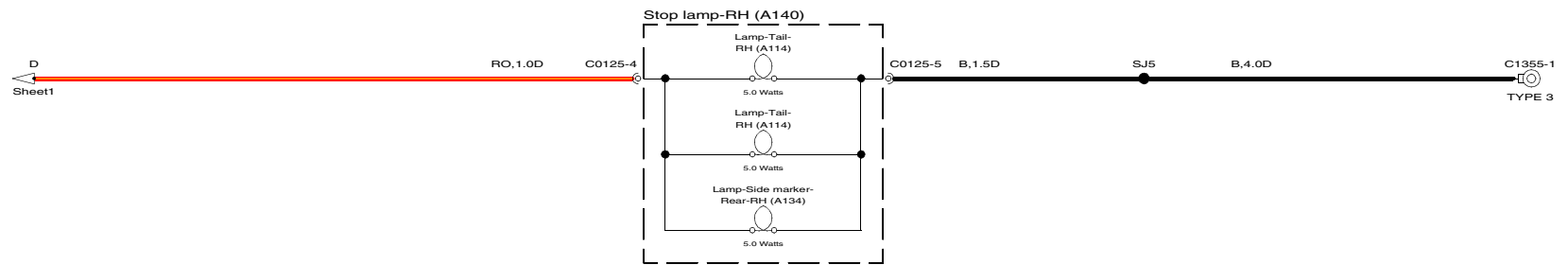
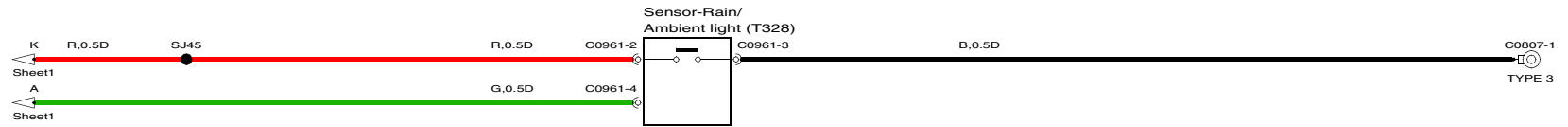




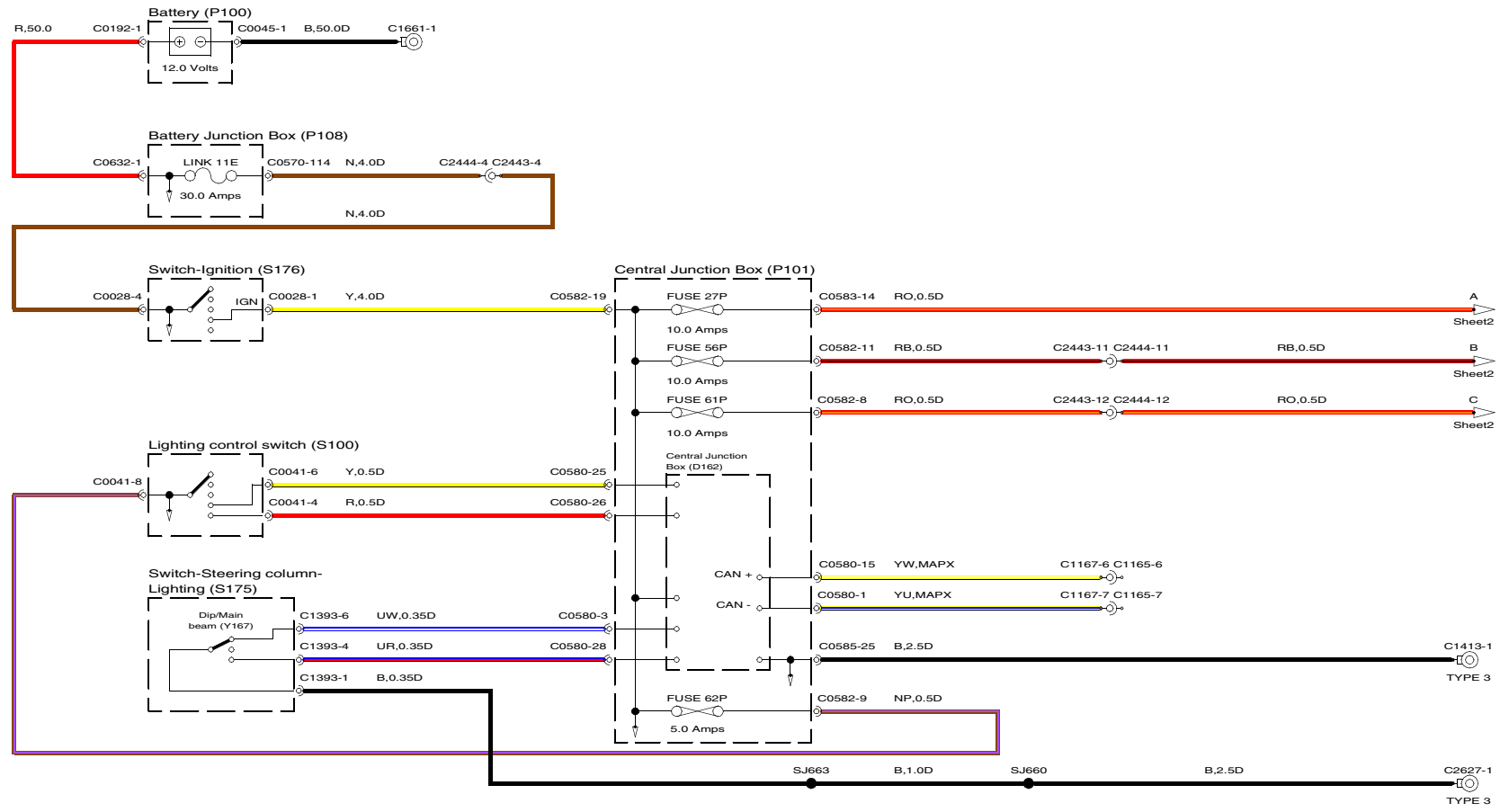


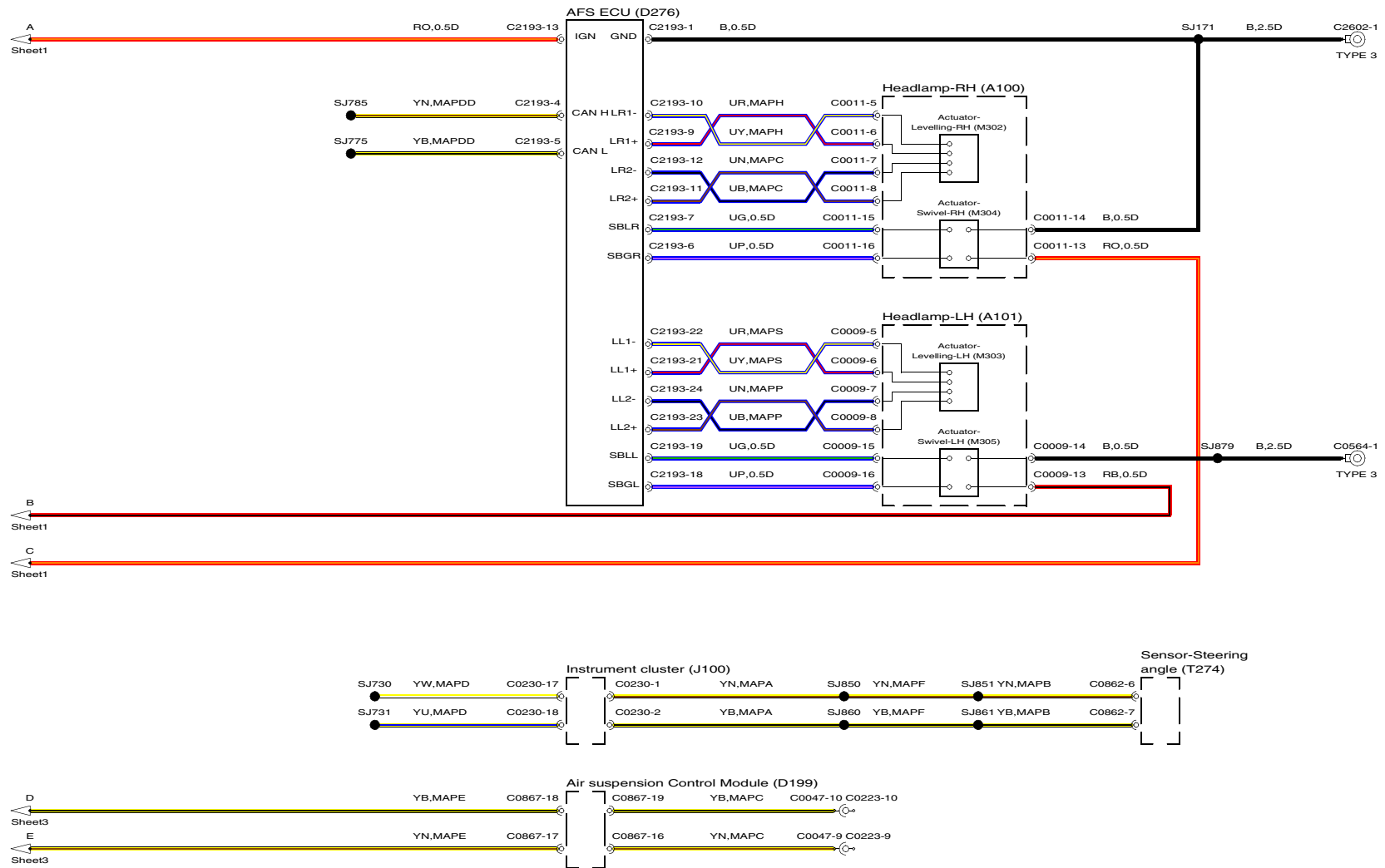


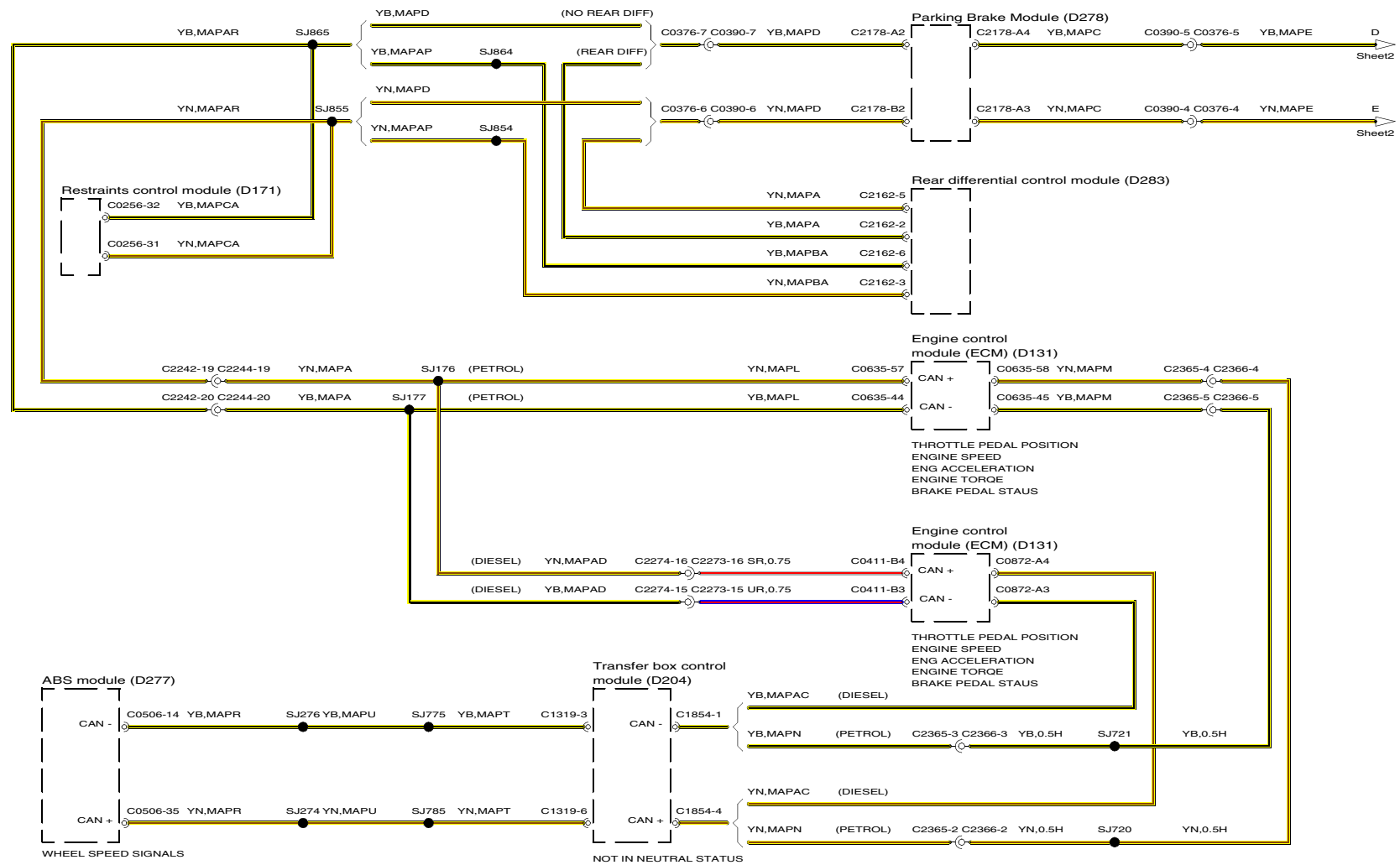






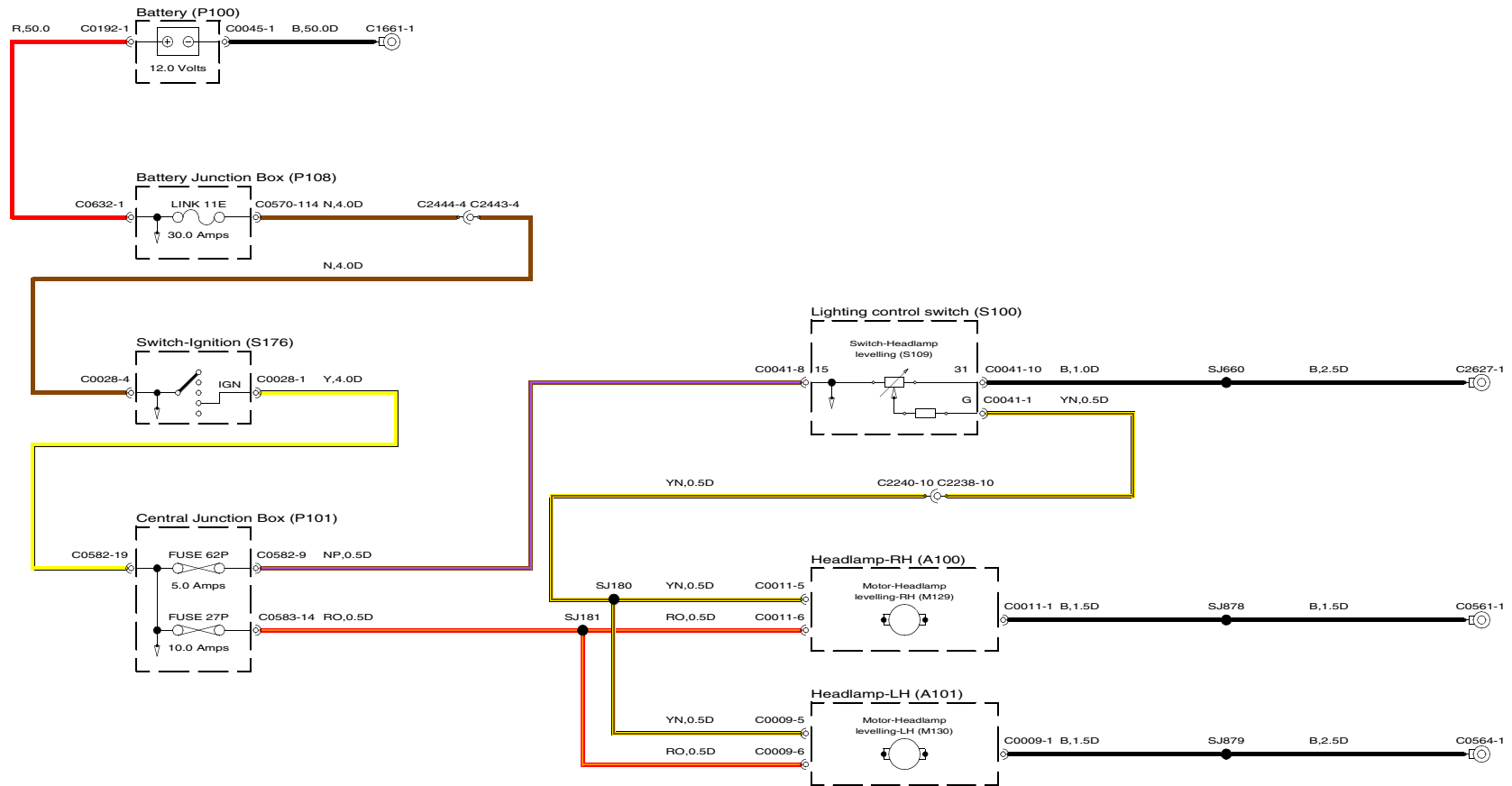




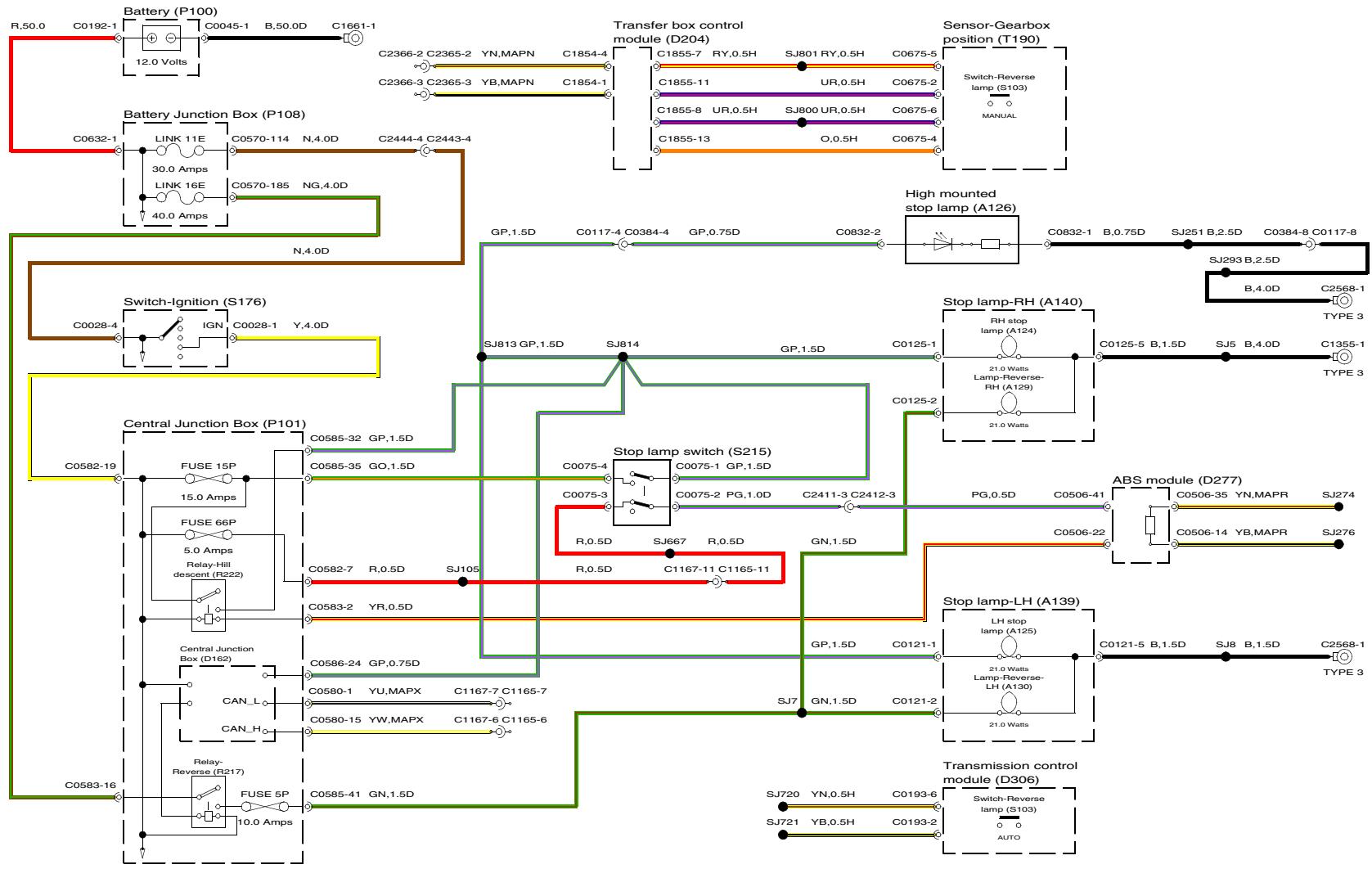




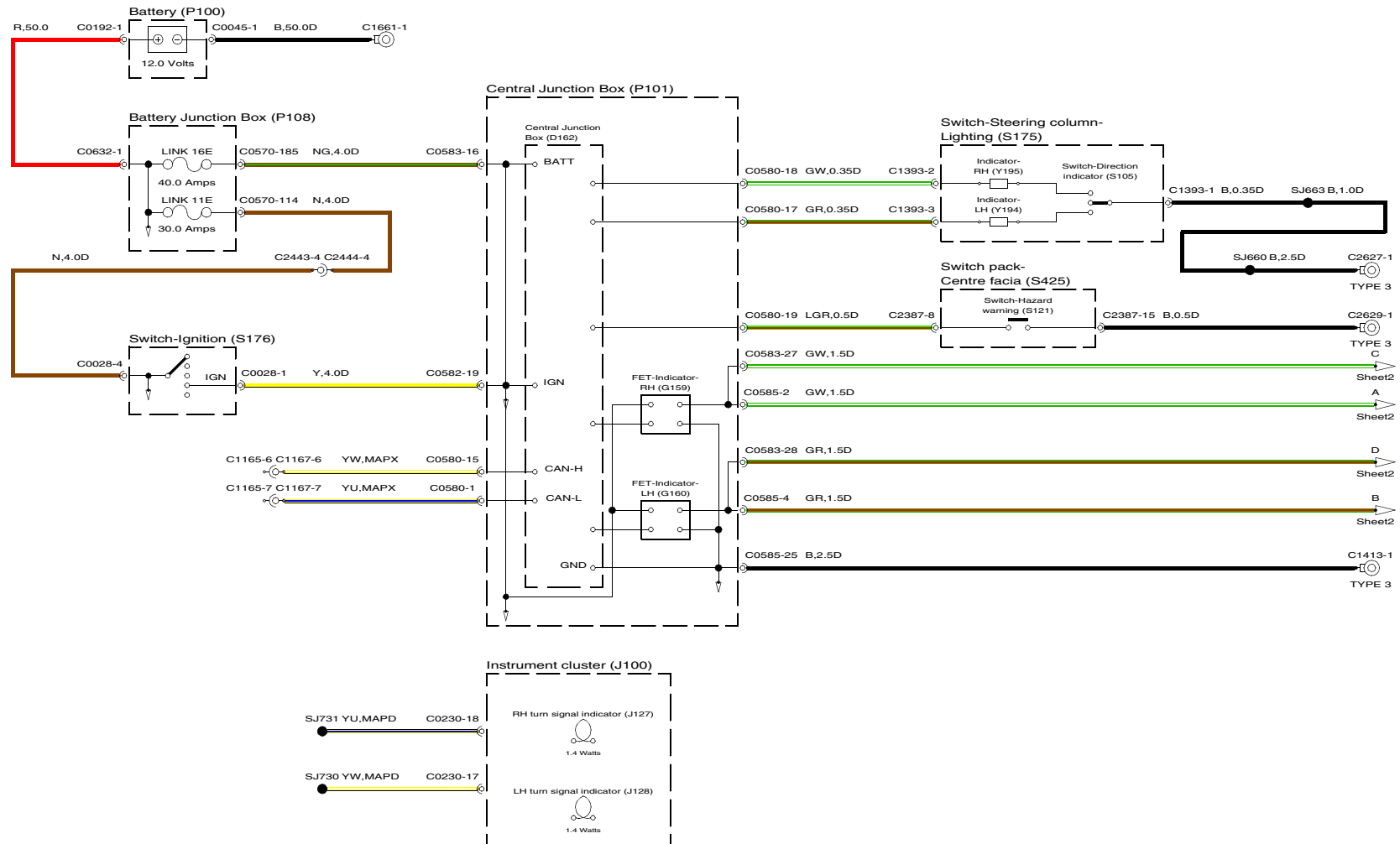


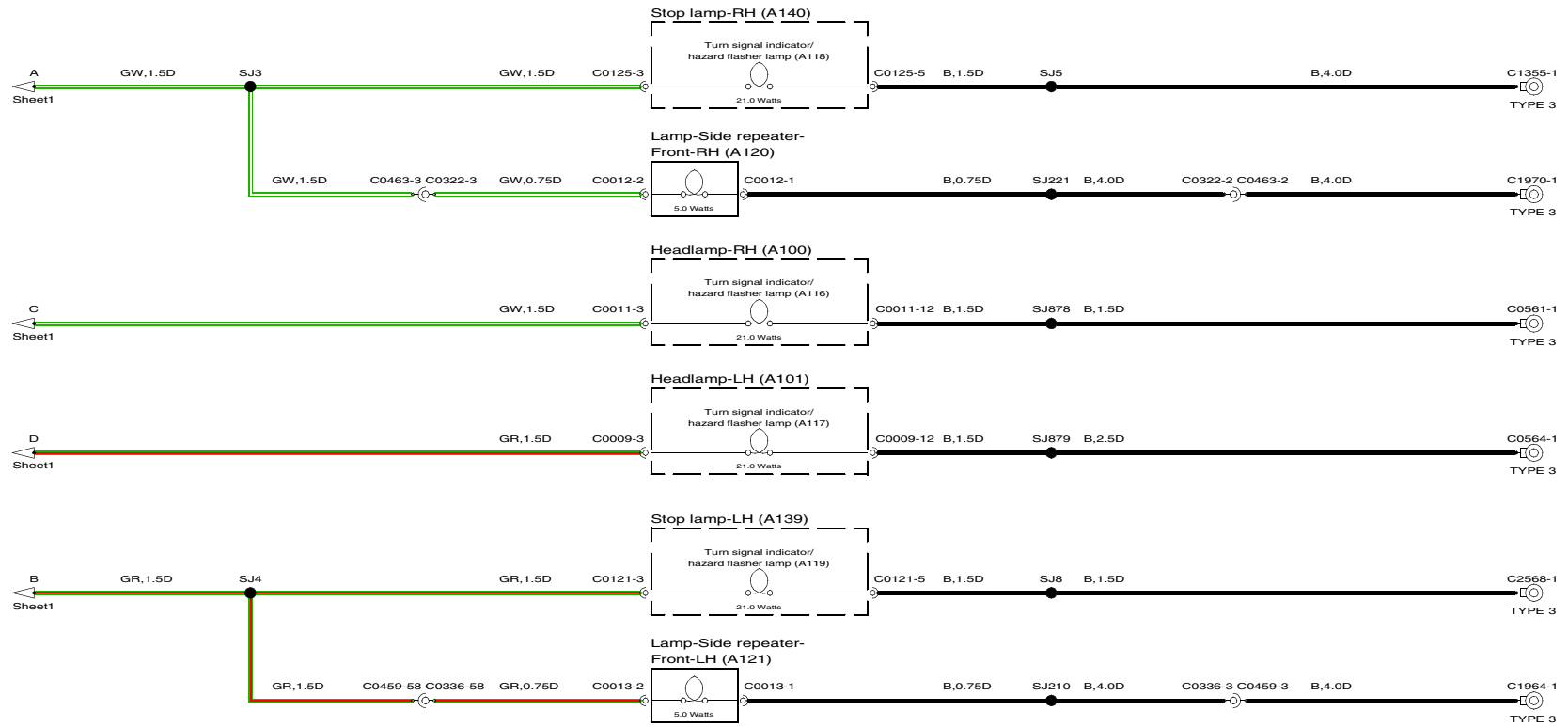


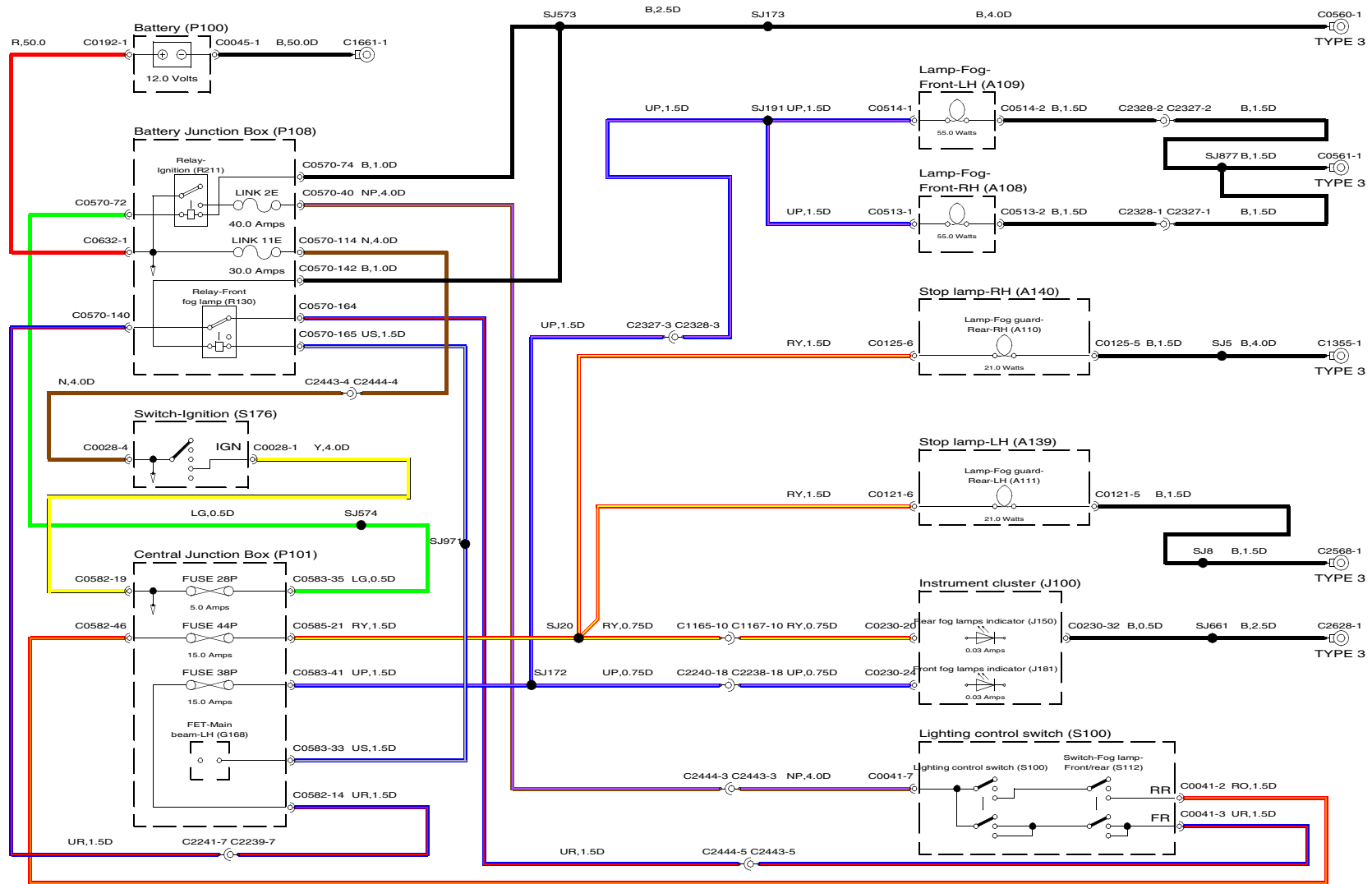






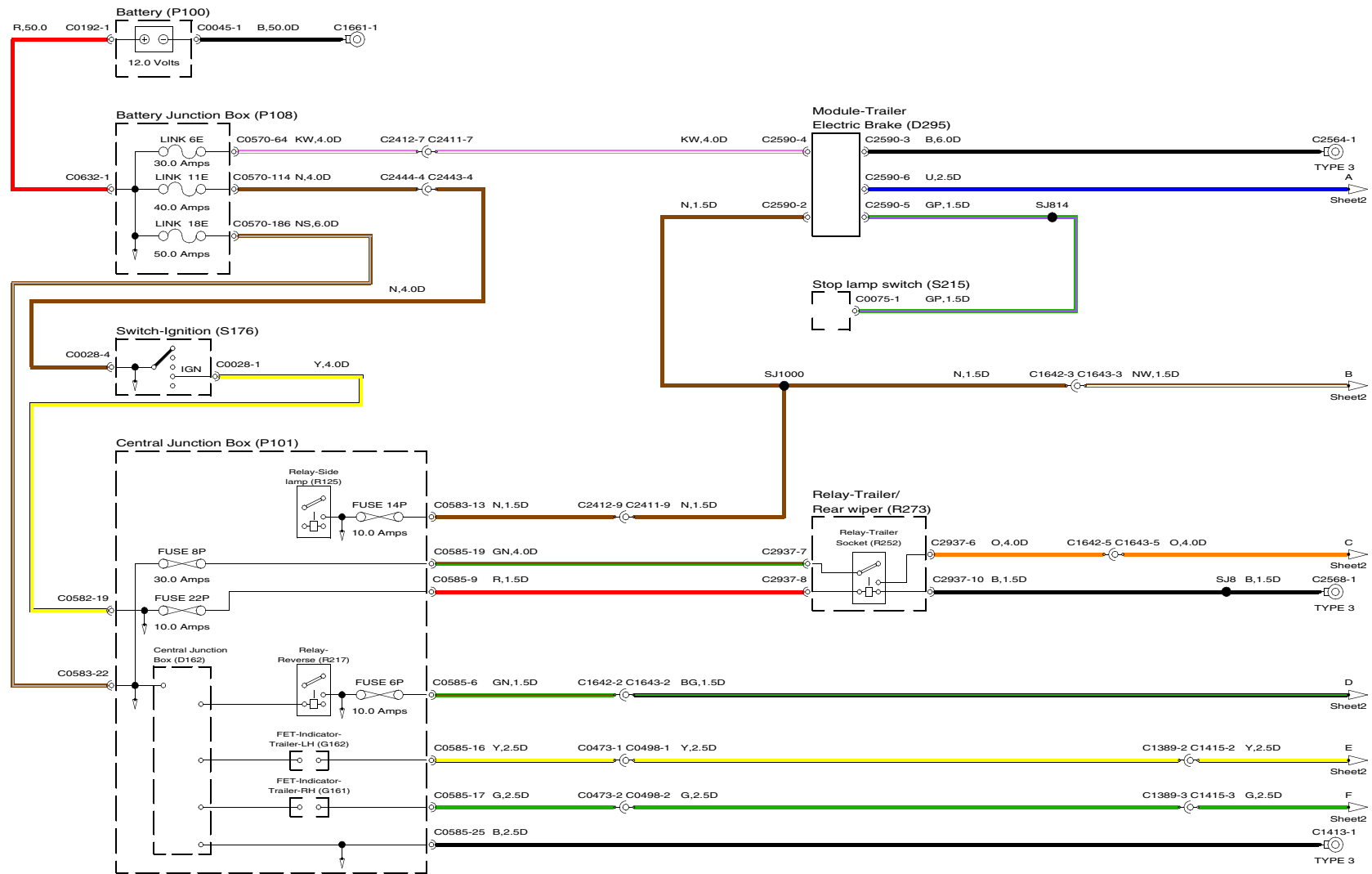


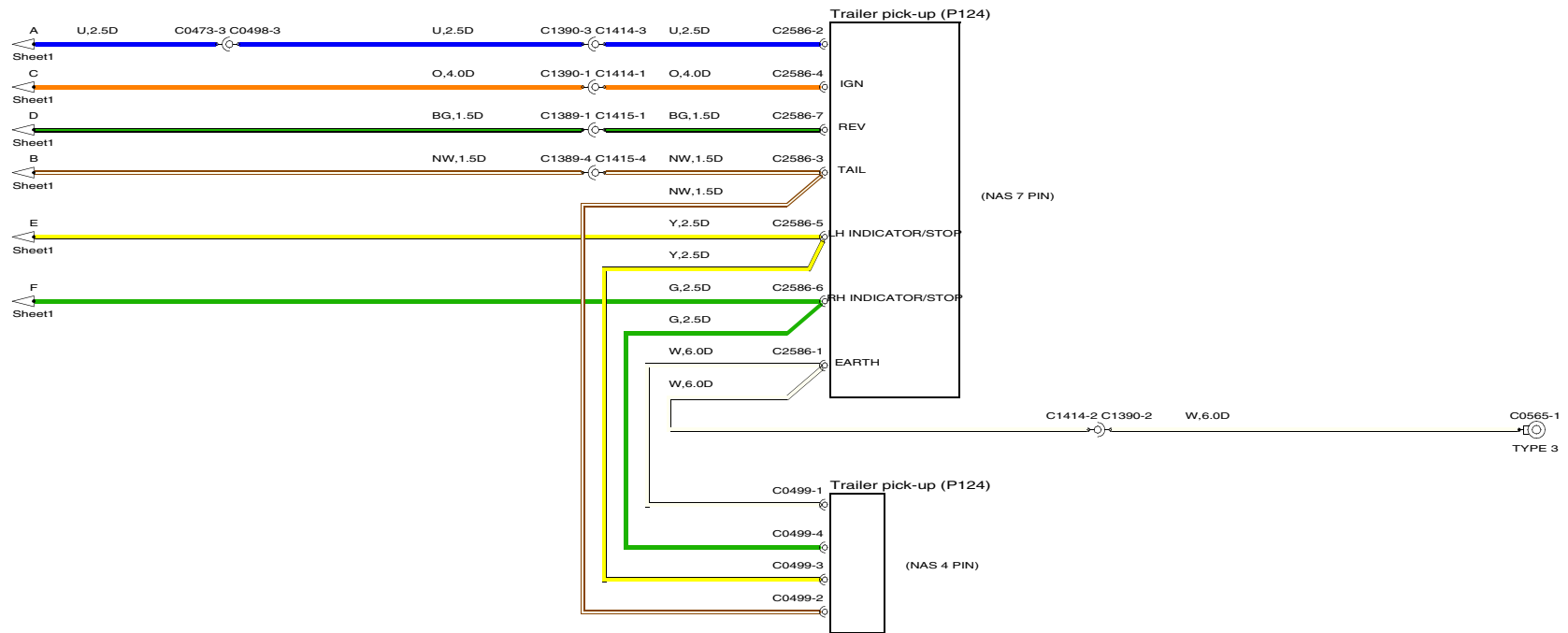




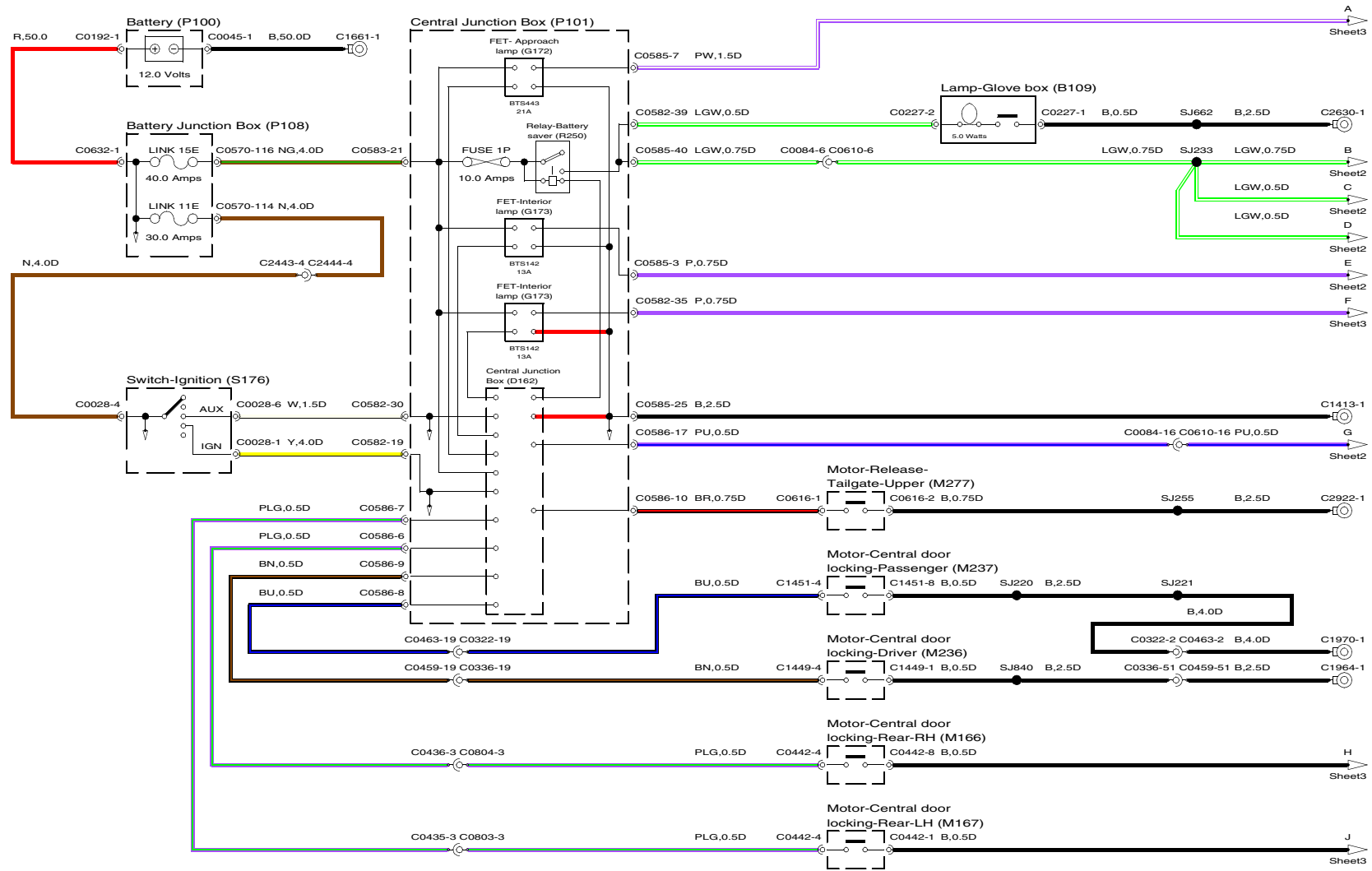


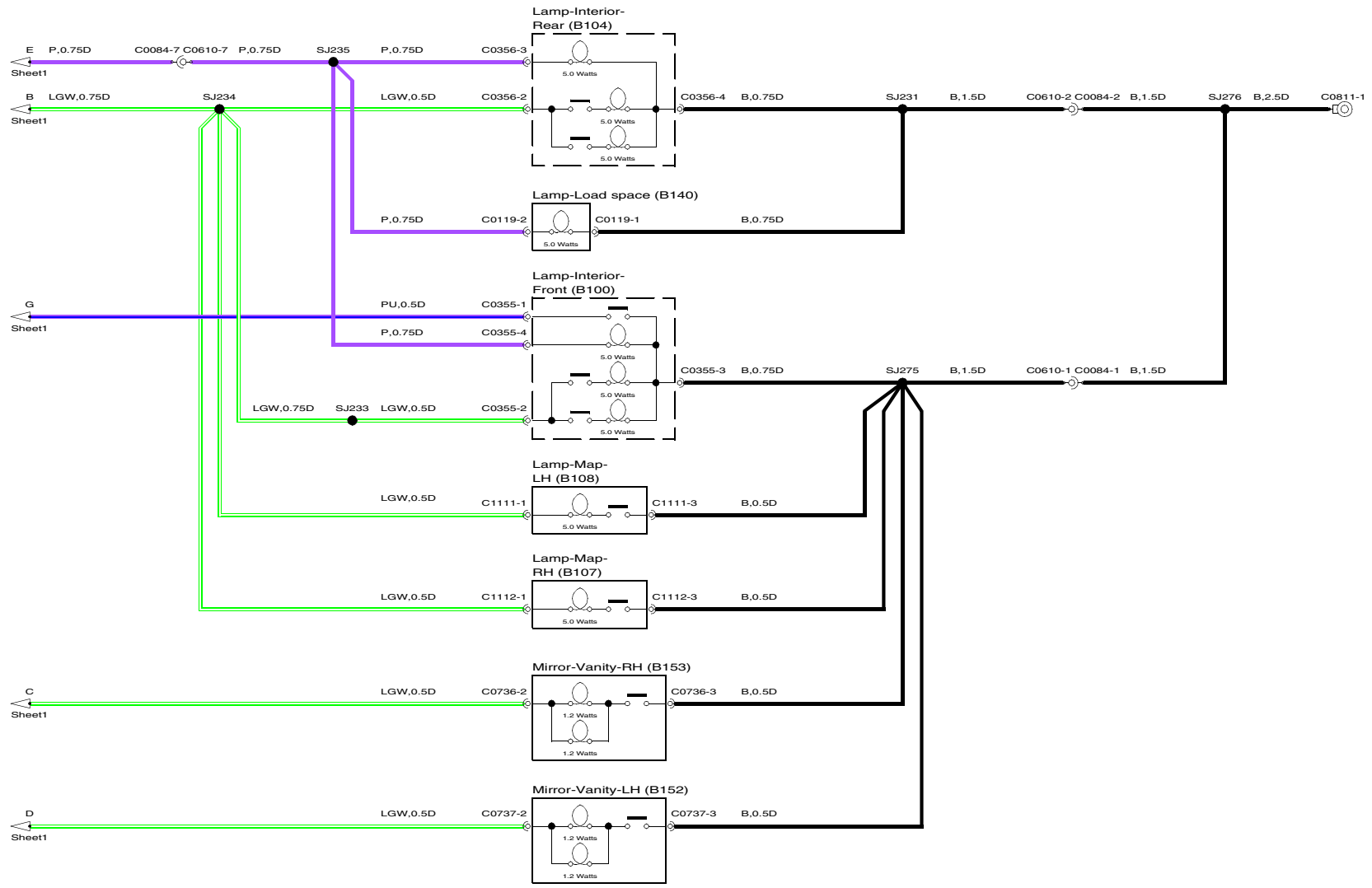




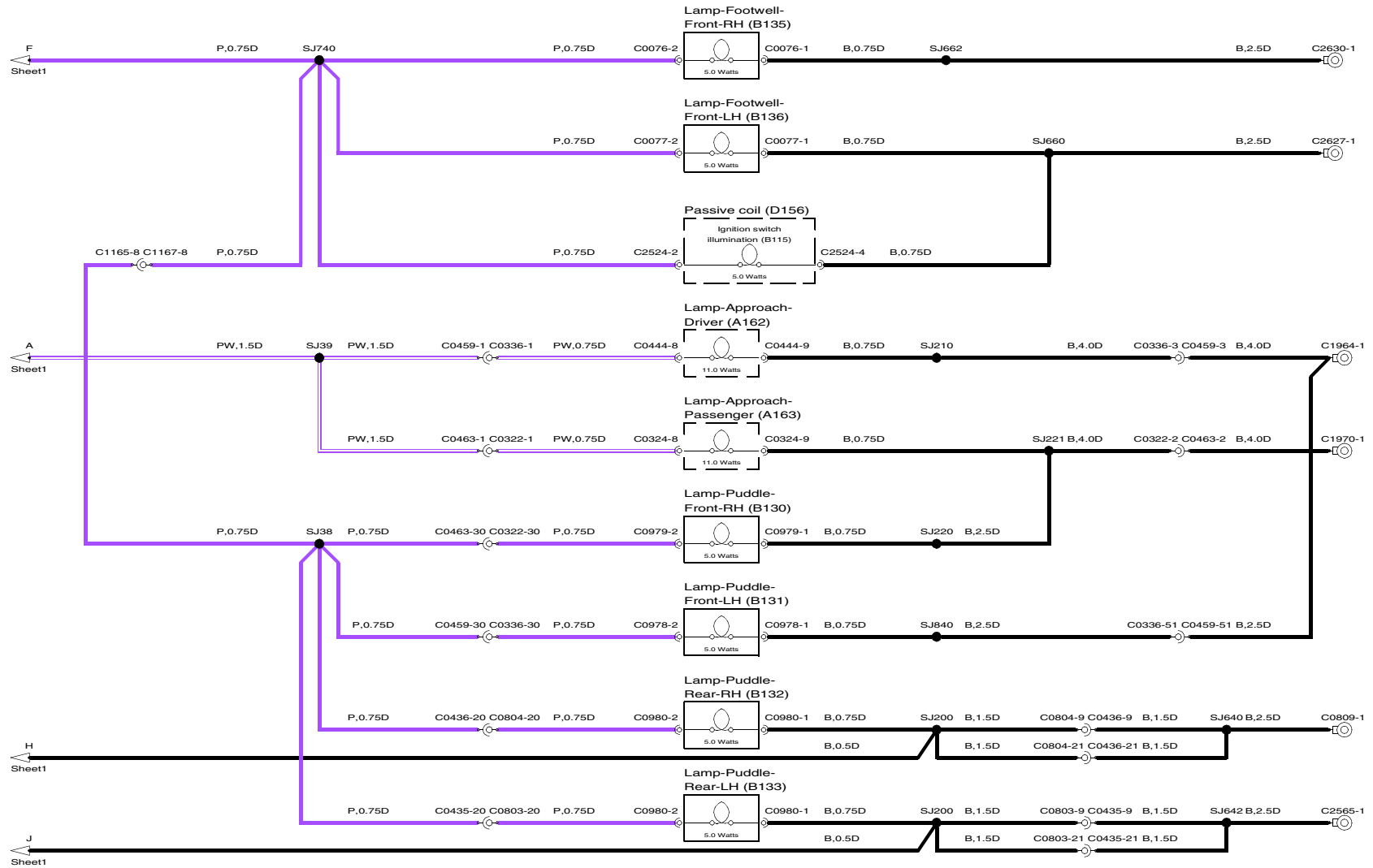


# 417 INTERIOR LIGHTING

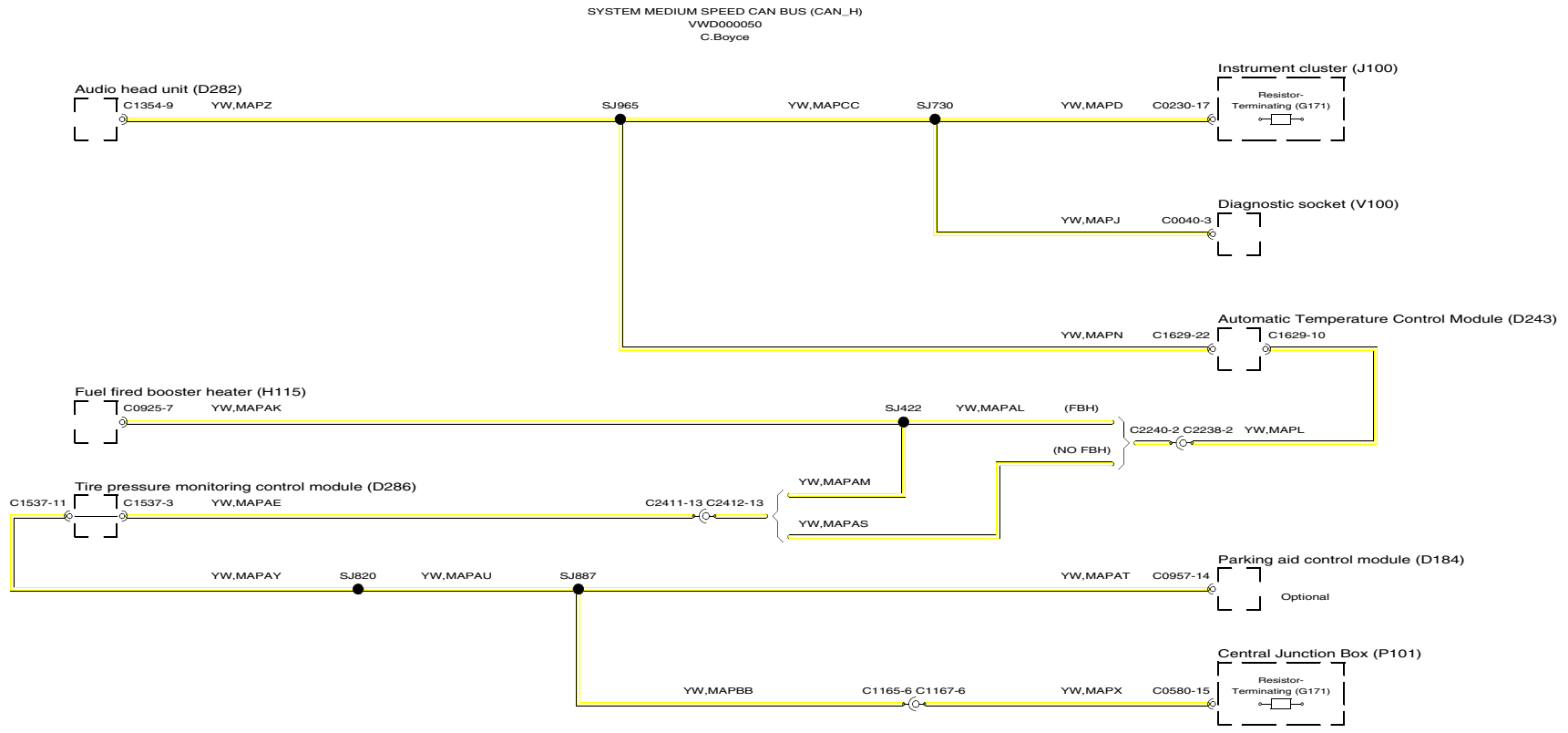




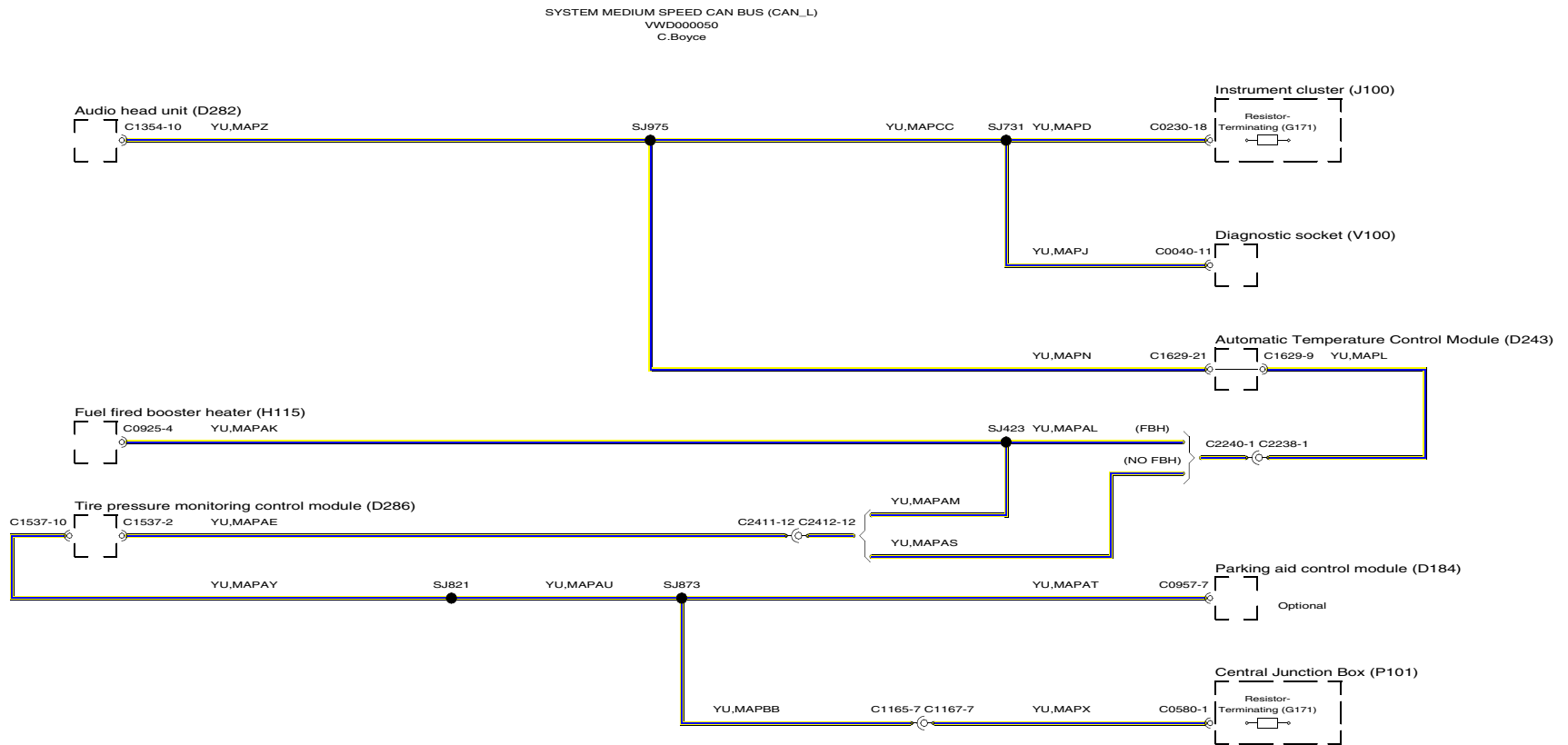
# 417 INTERIOR LIGHTING

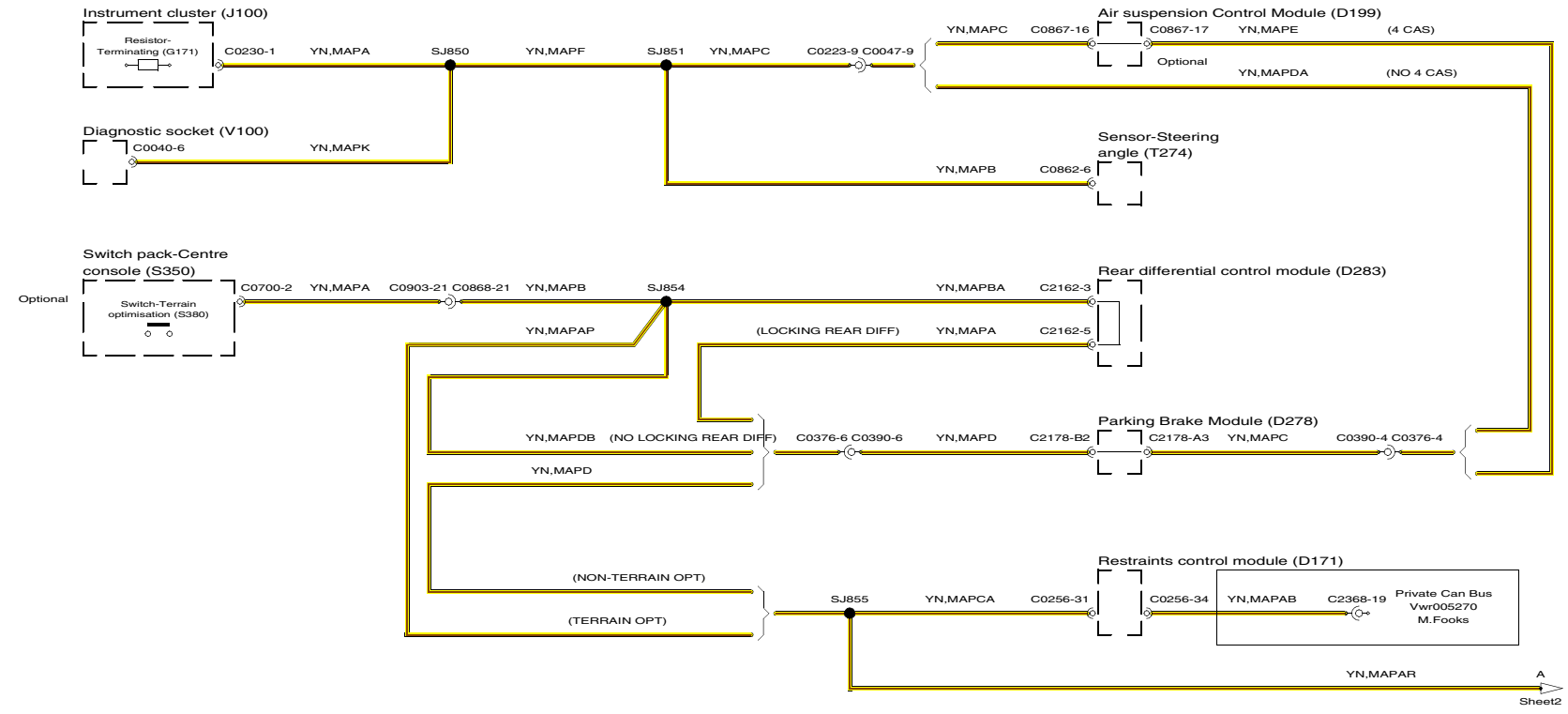




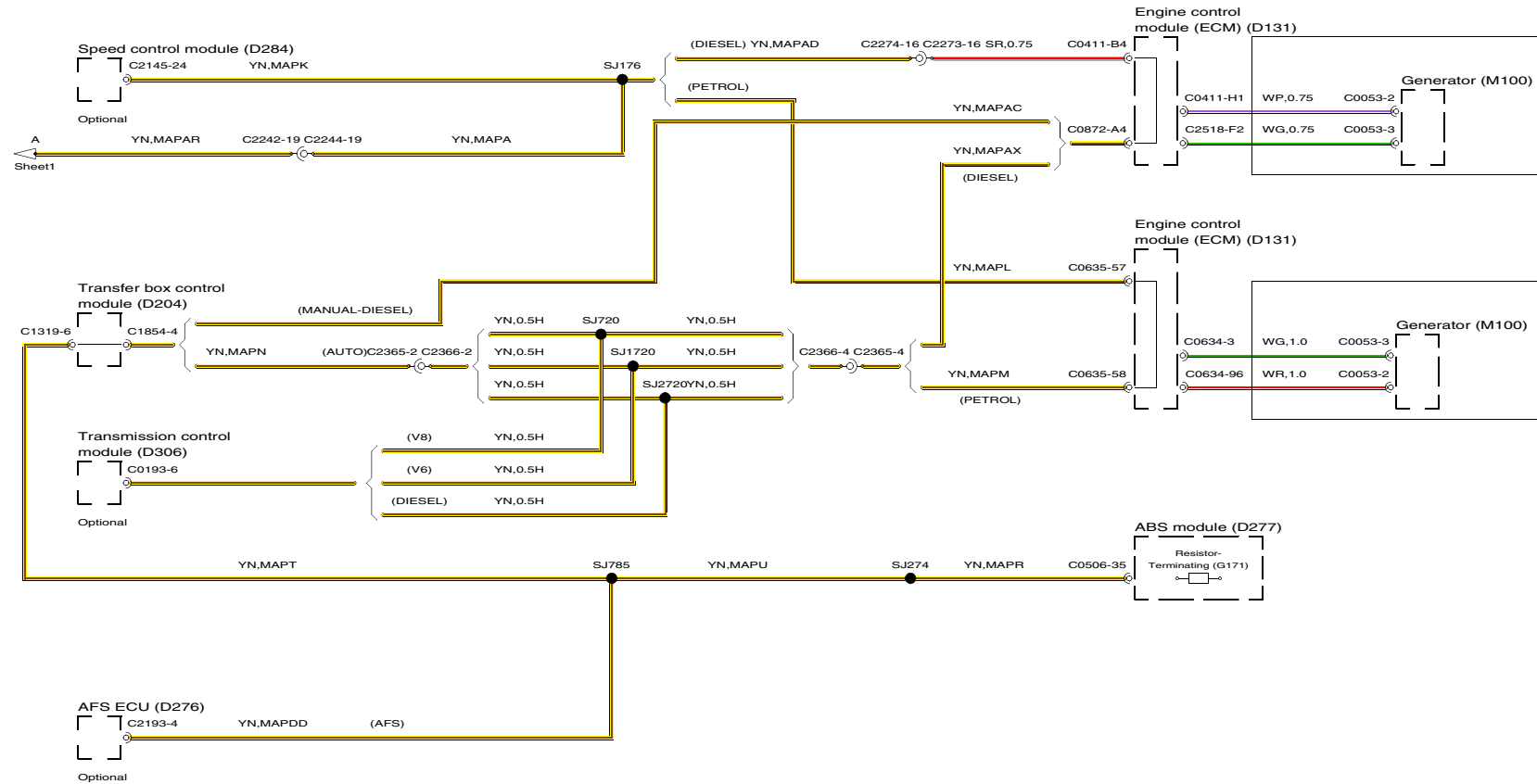




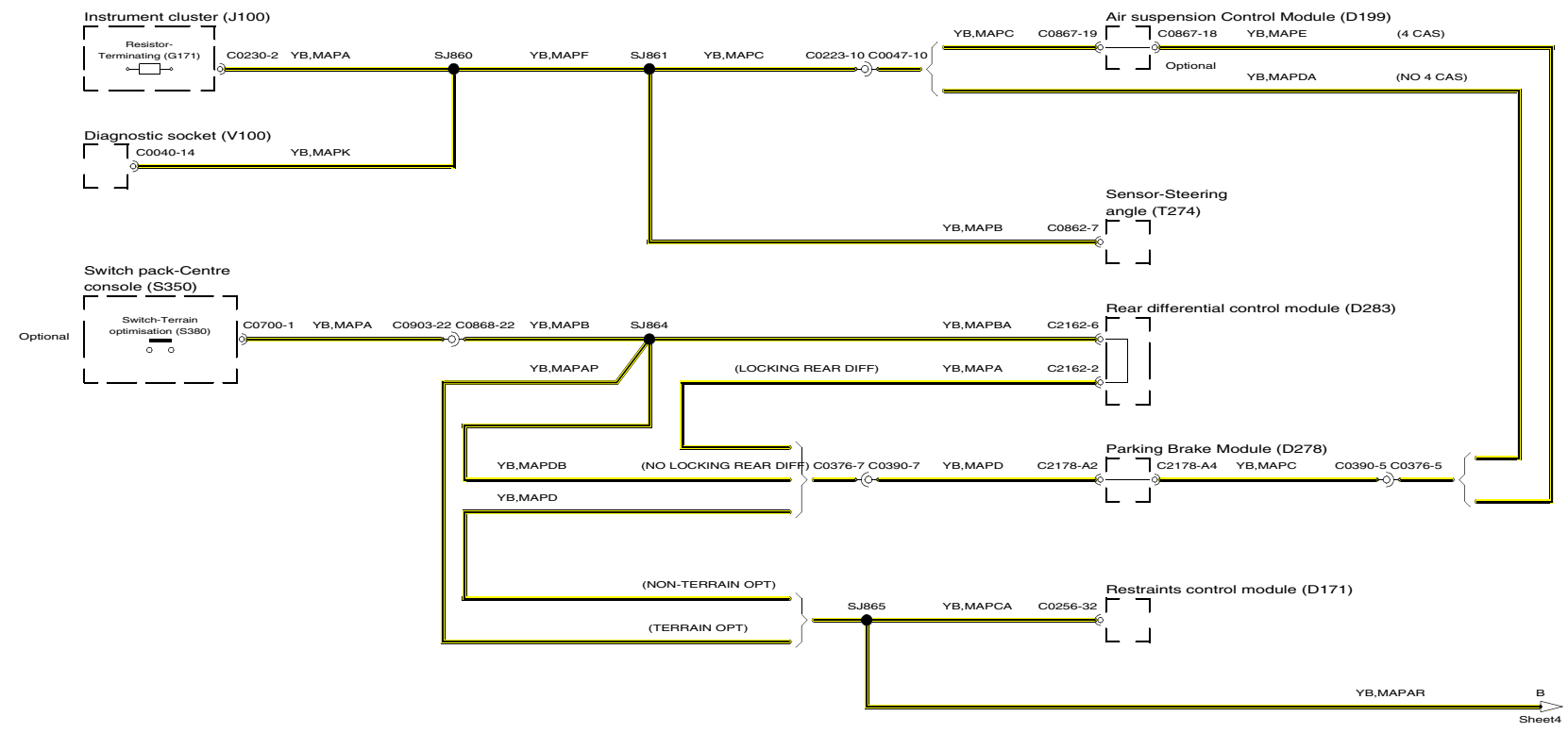




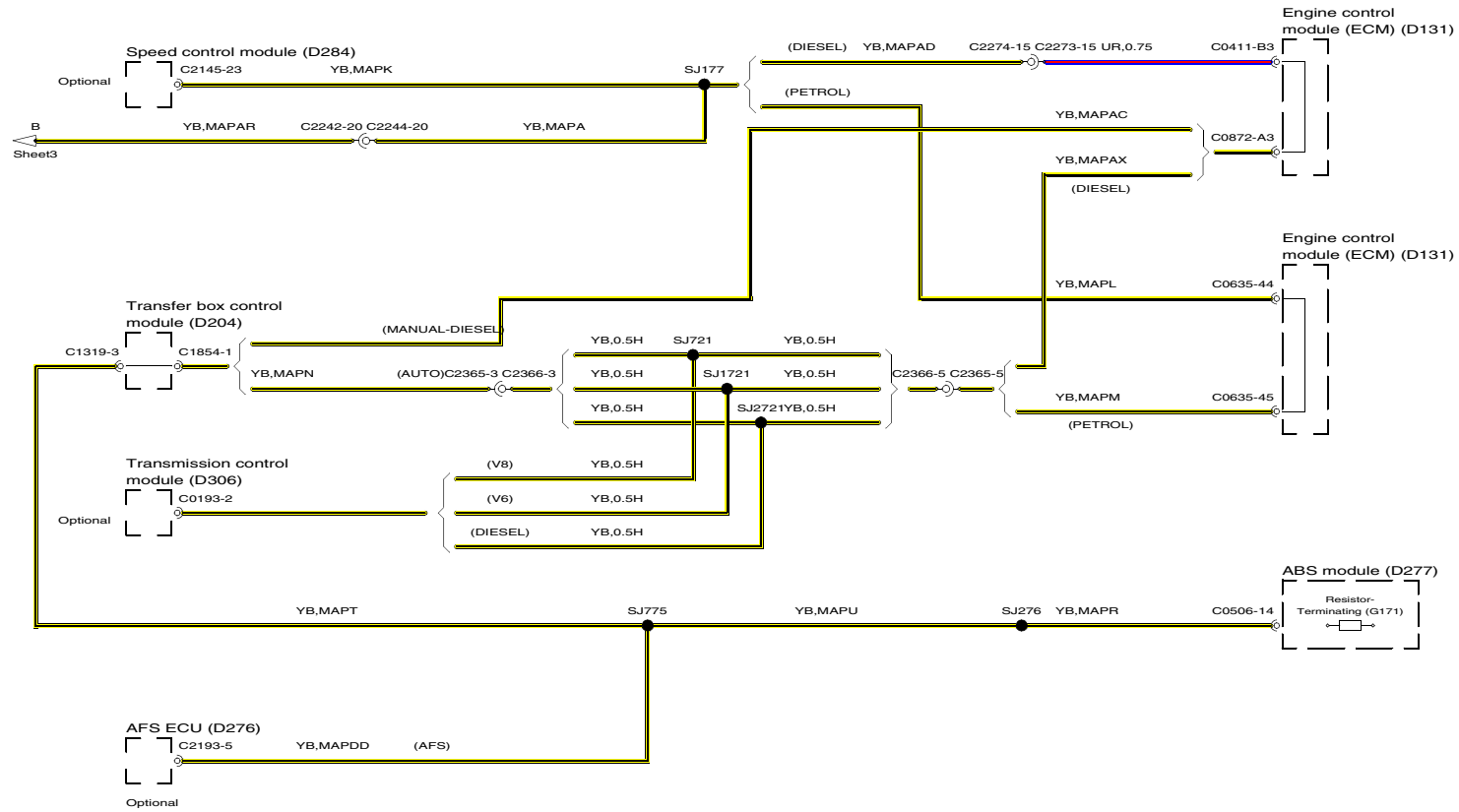
CAN\_H



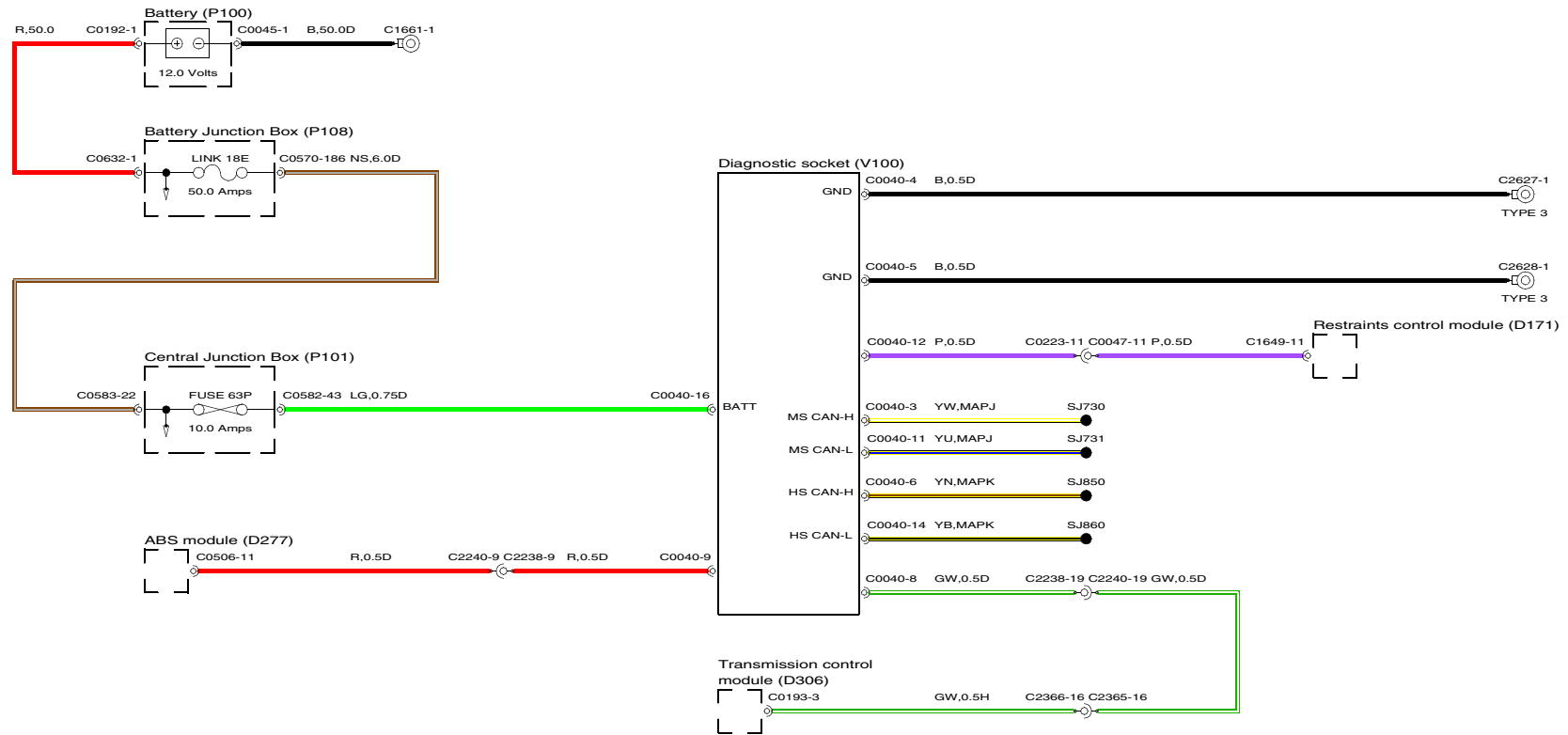
CAN\_H



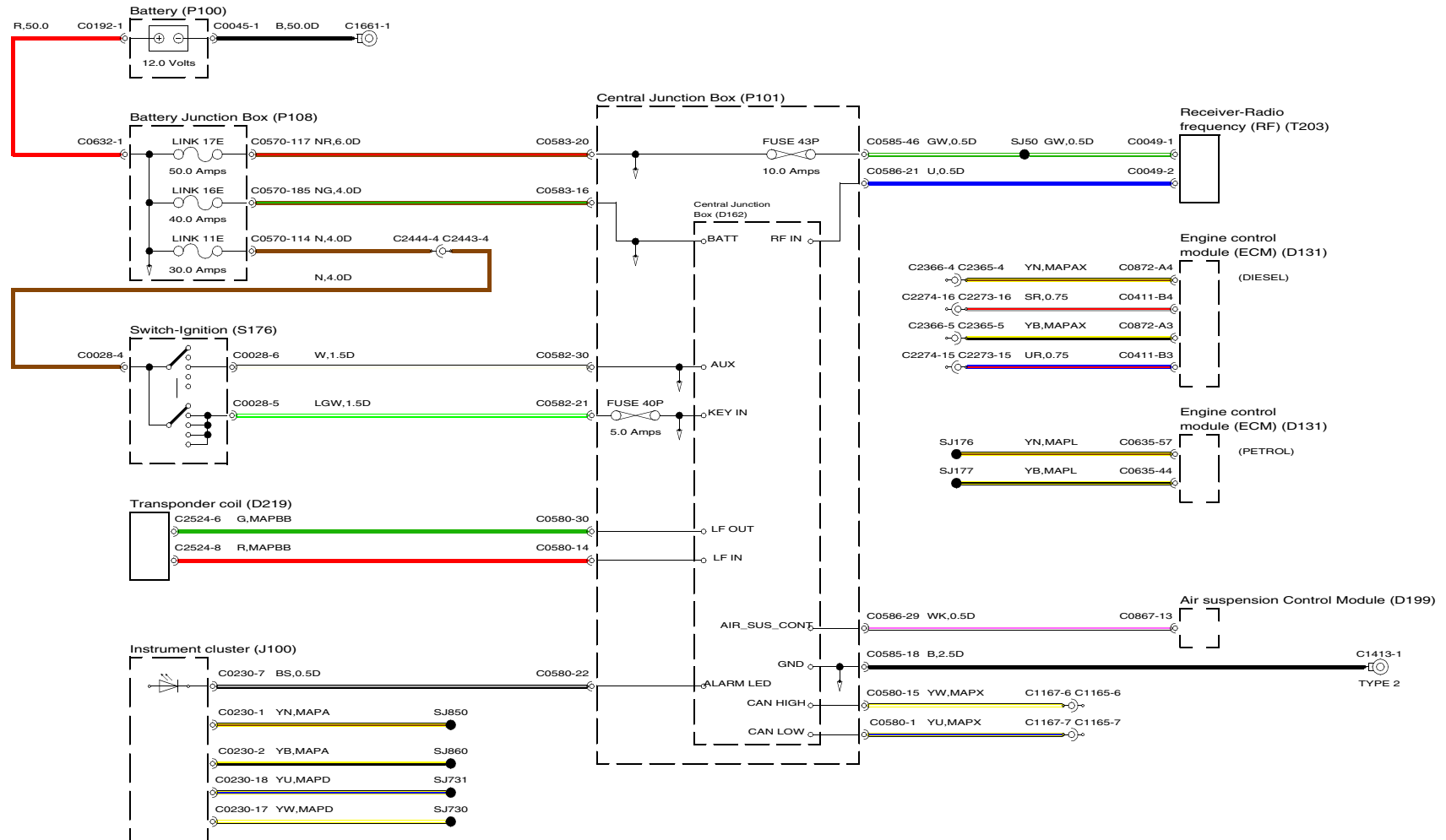
CAN\_L



CAN\_L

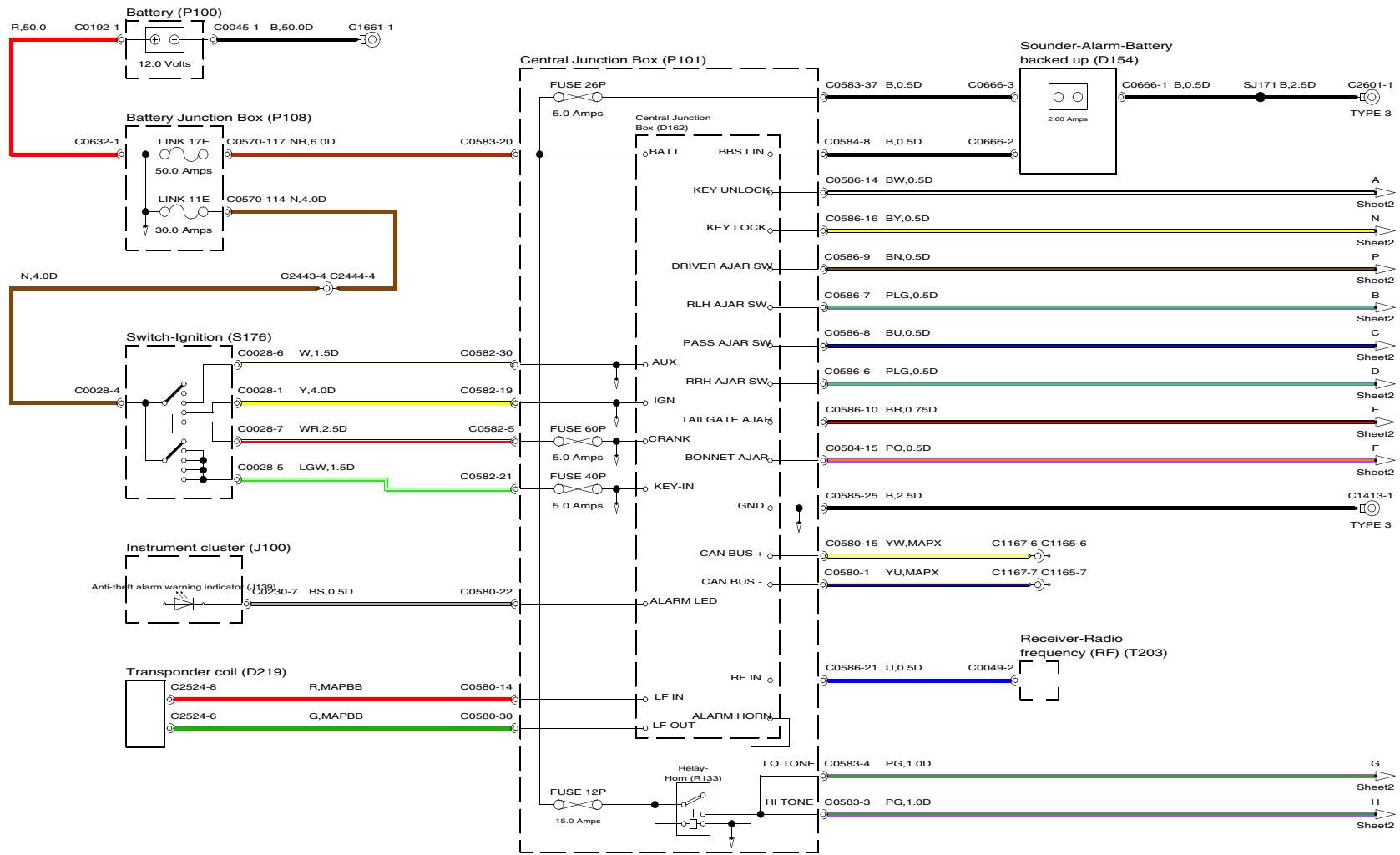


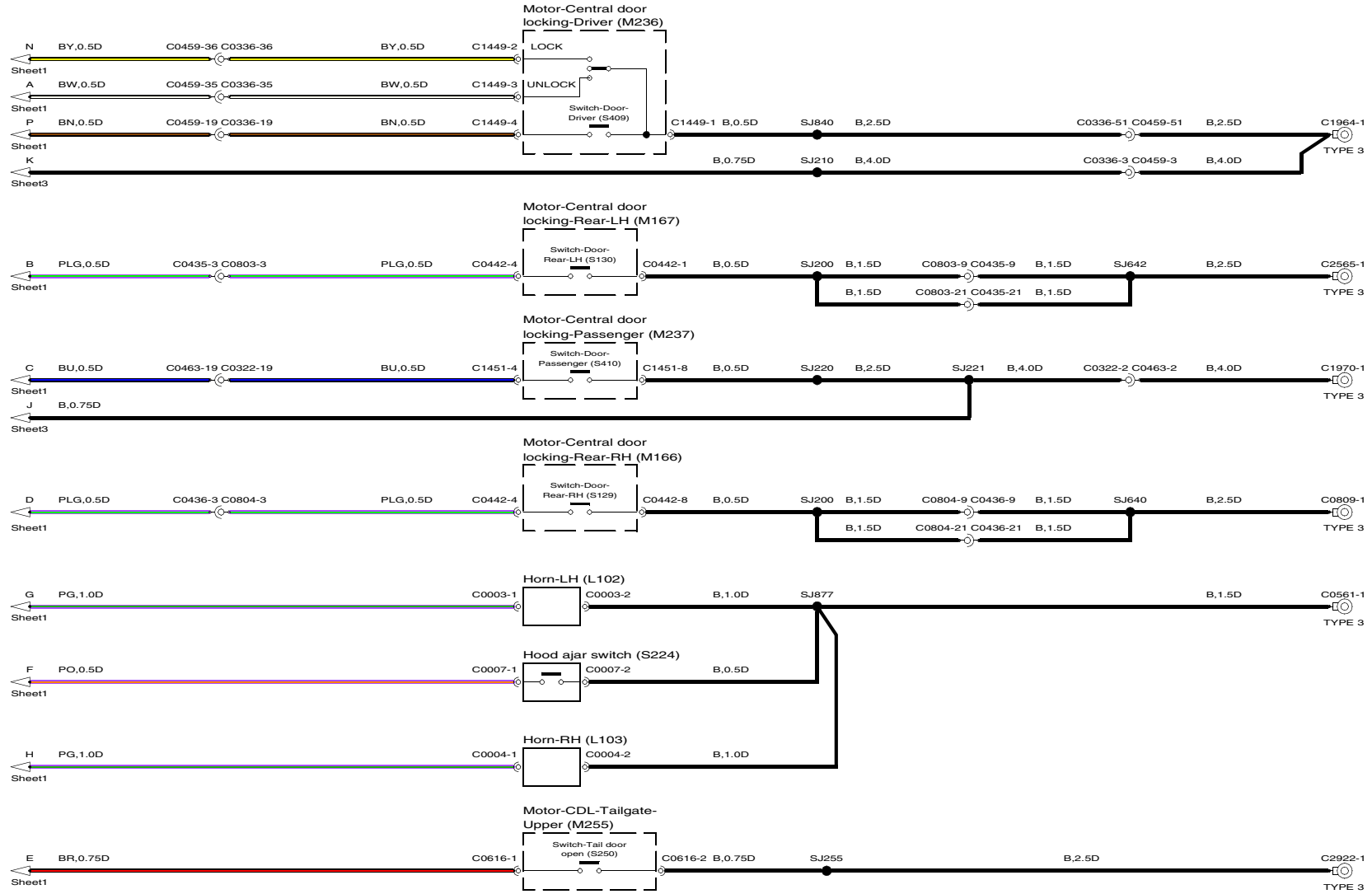


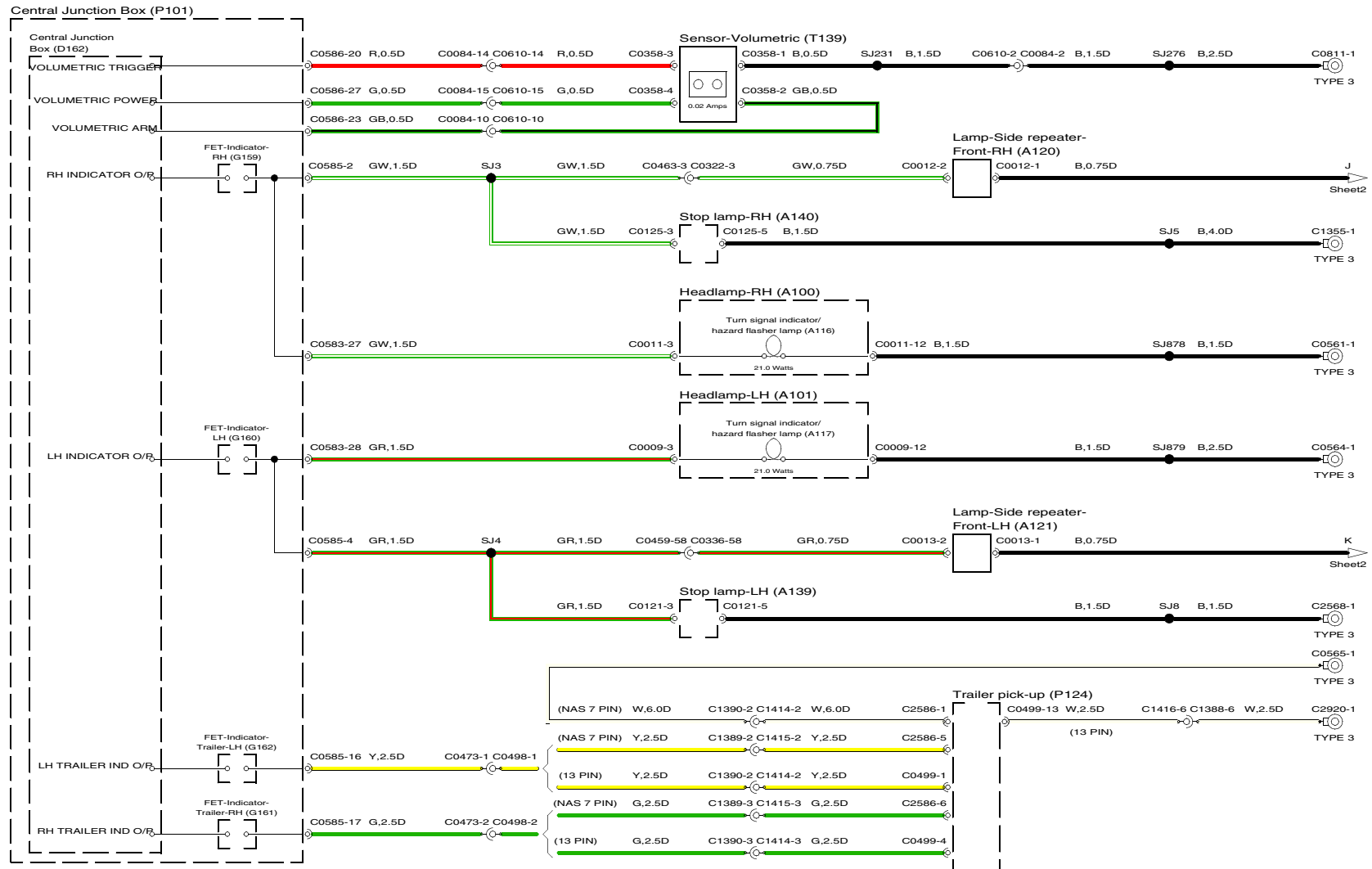






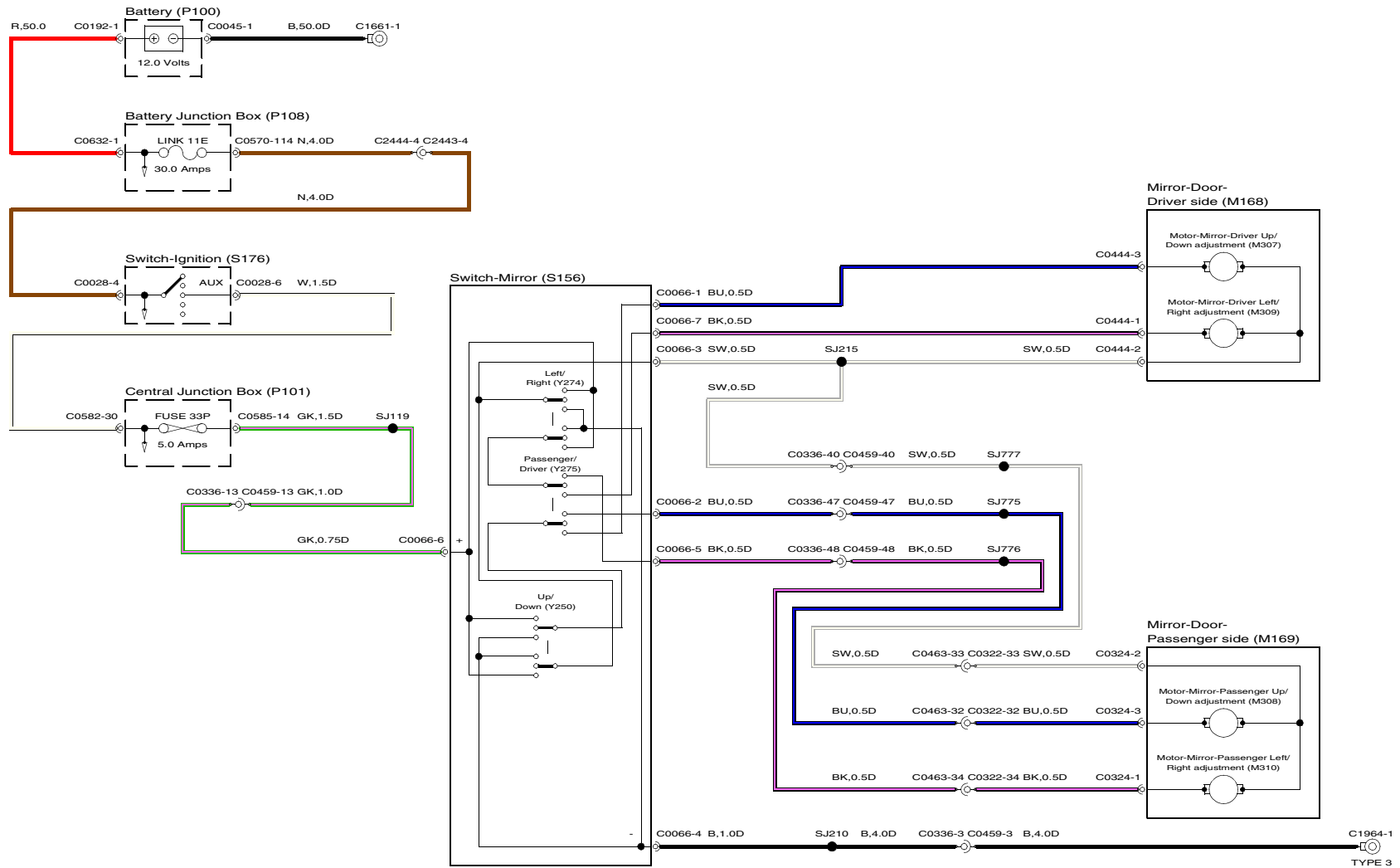




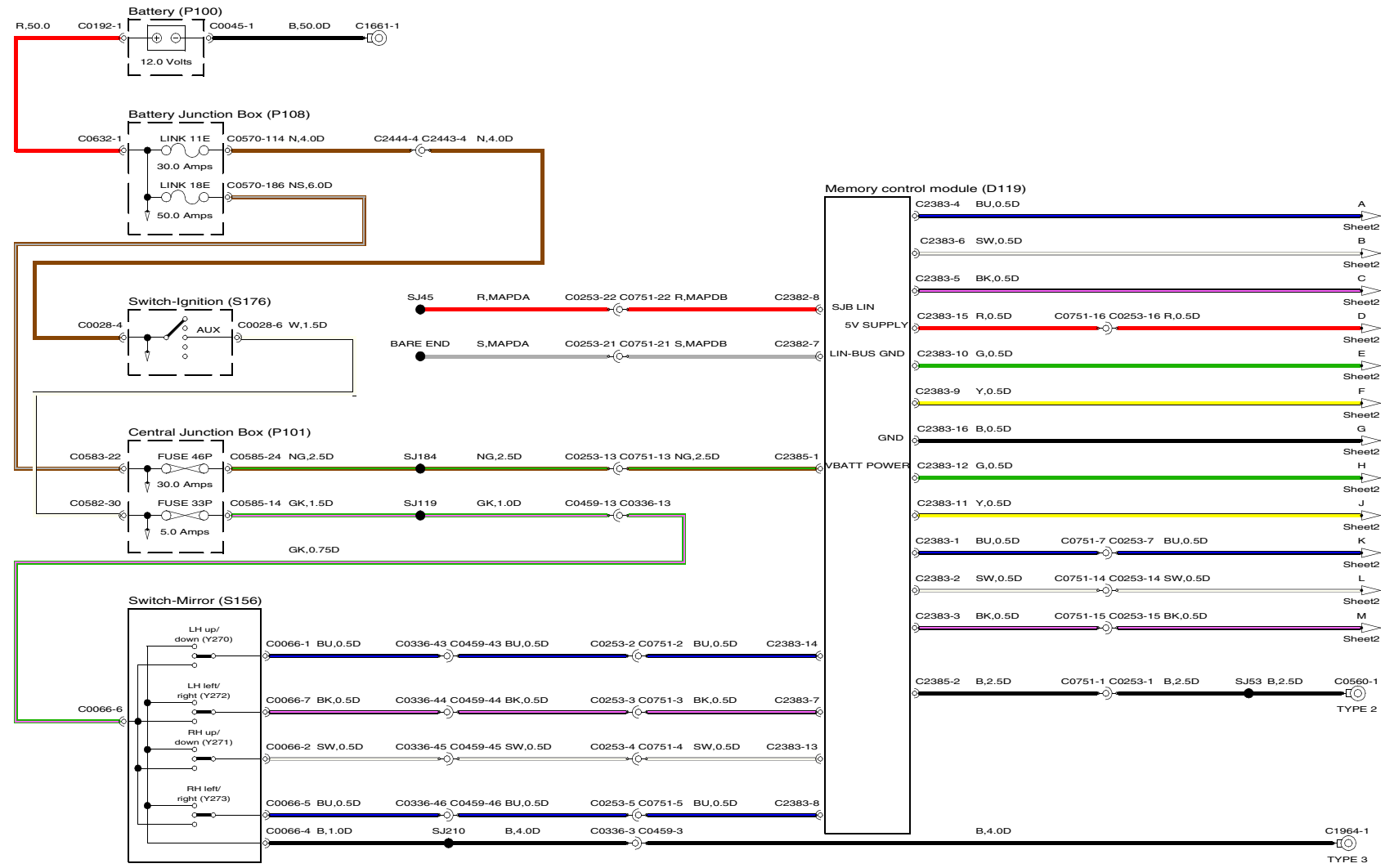




# 501 REAR VIEW MIRRORS

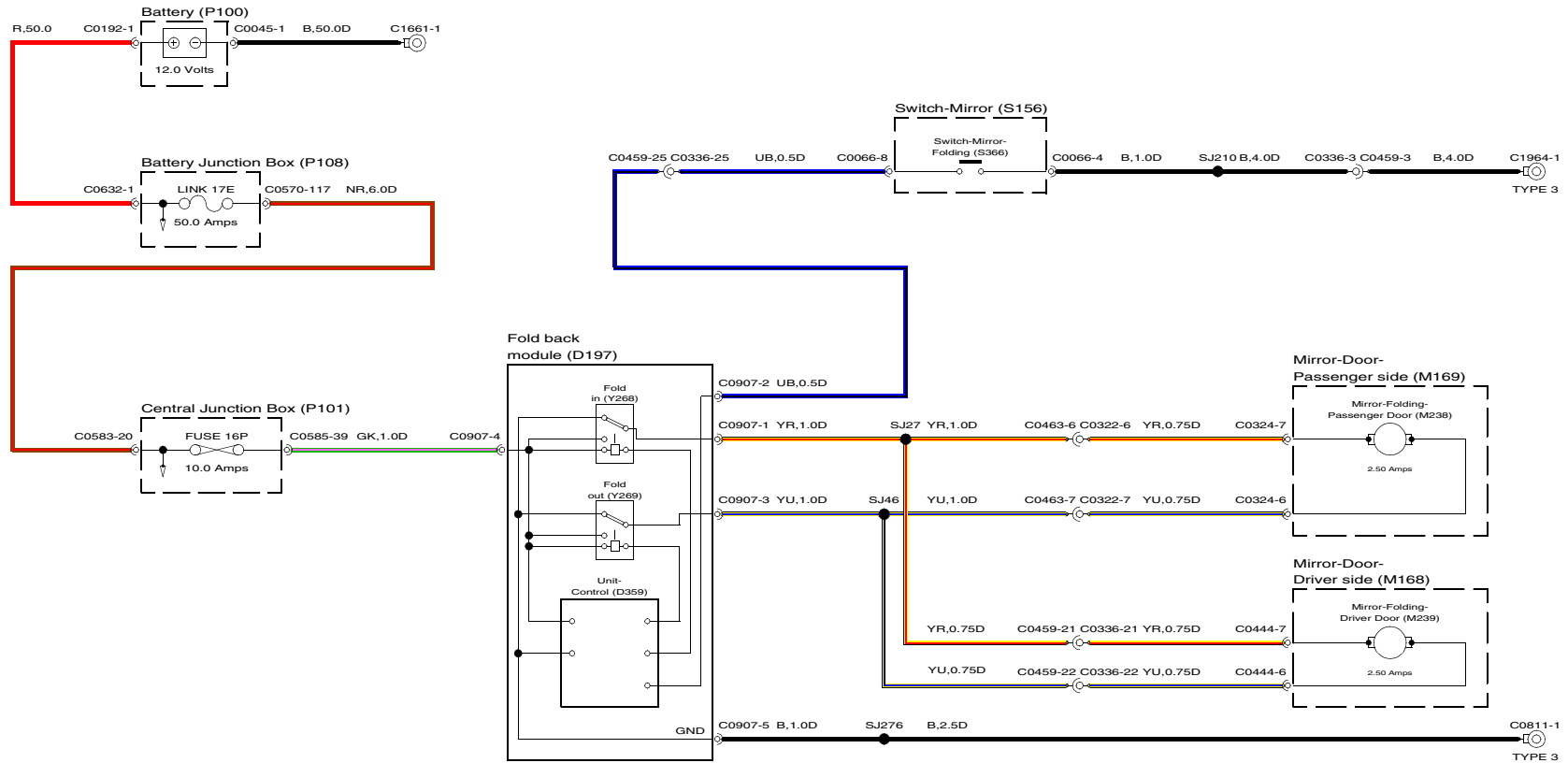




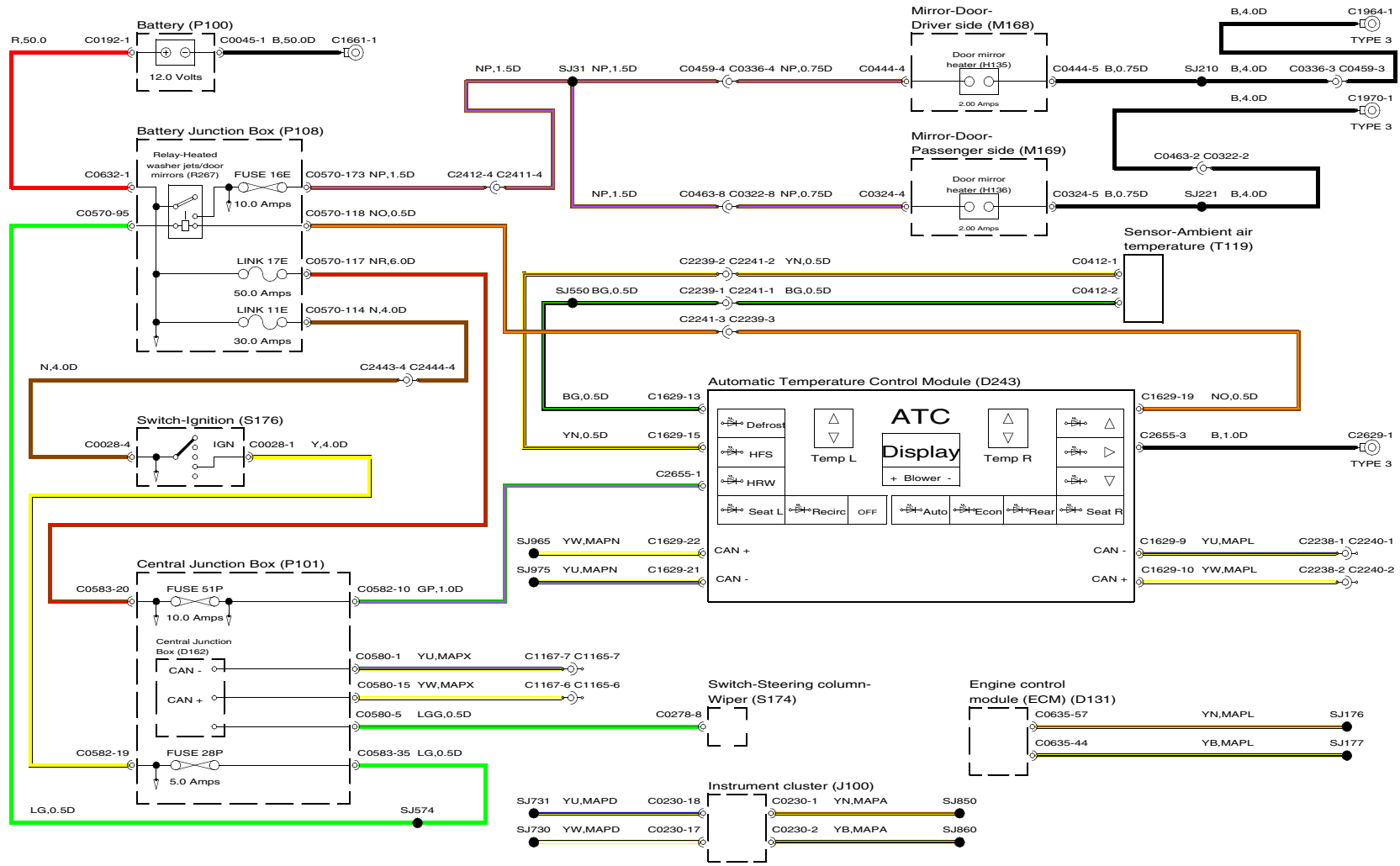




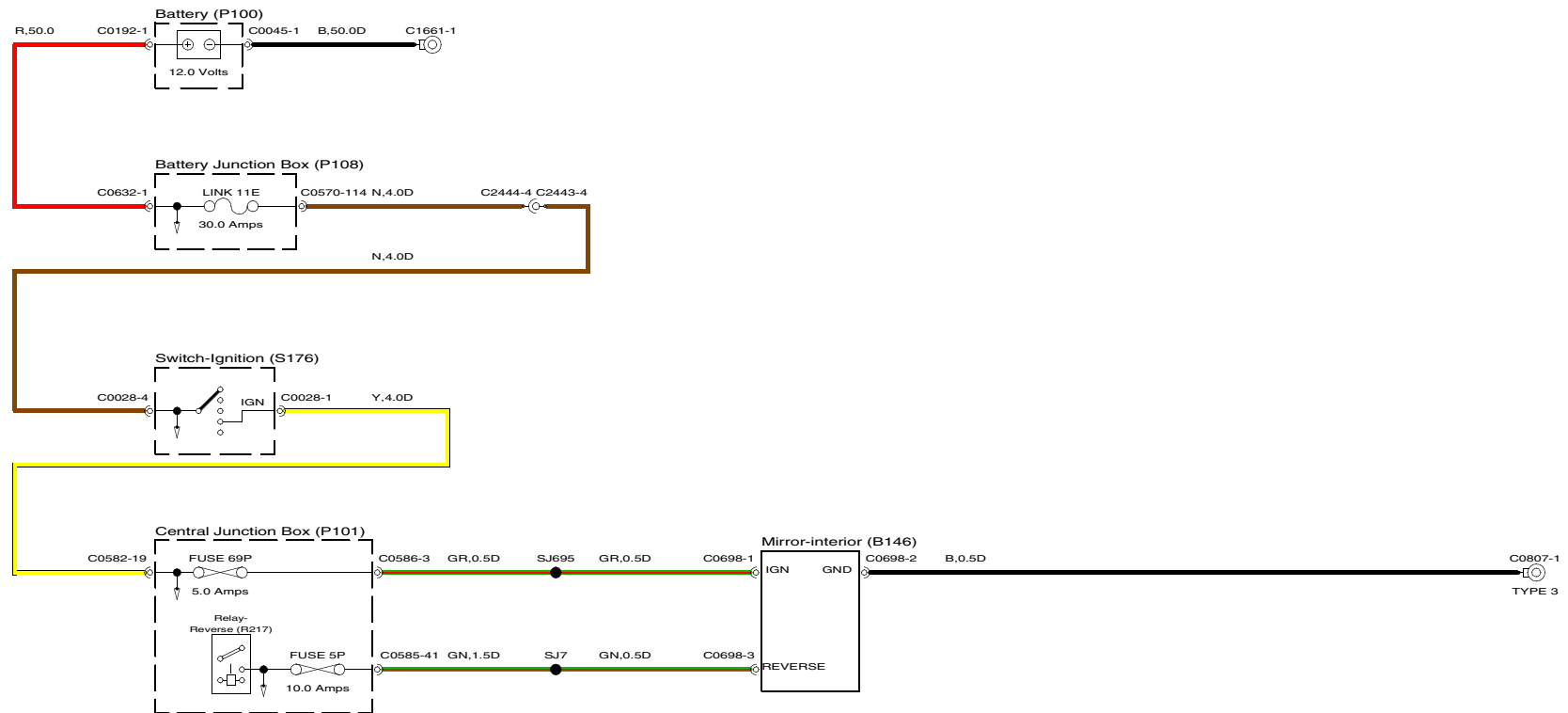




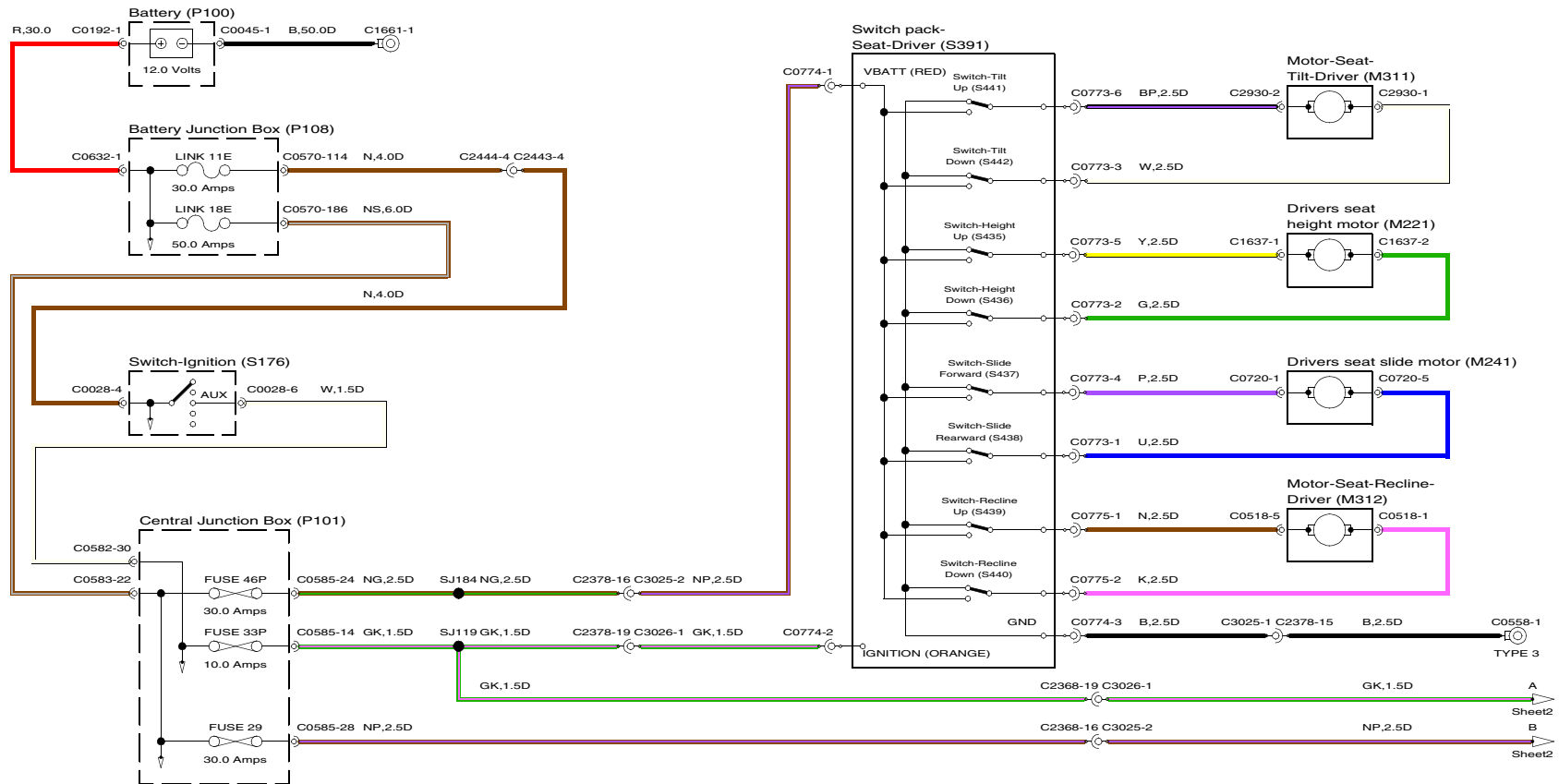




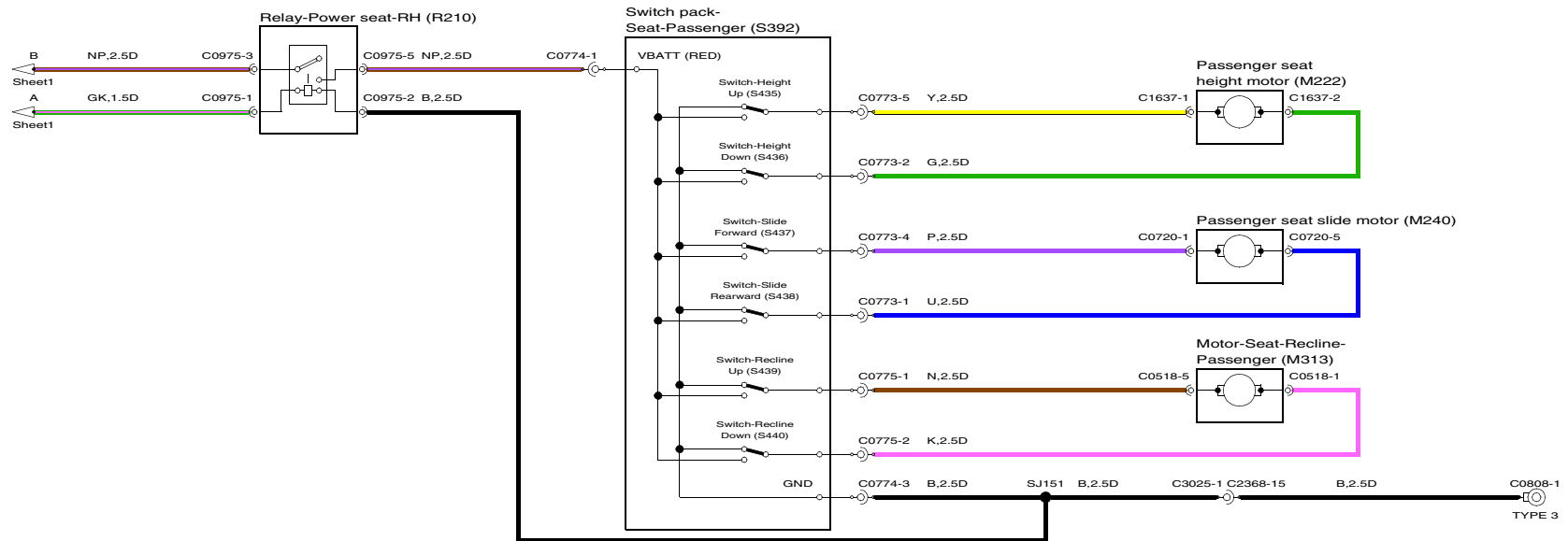


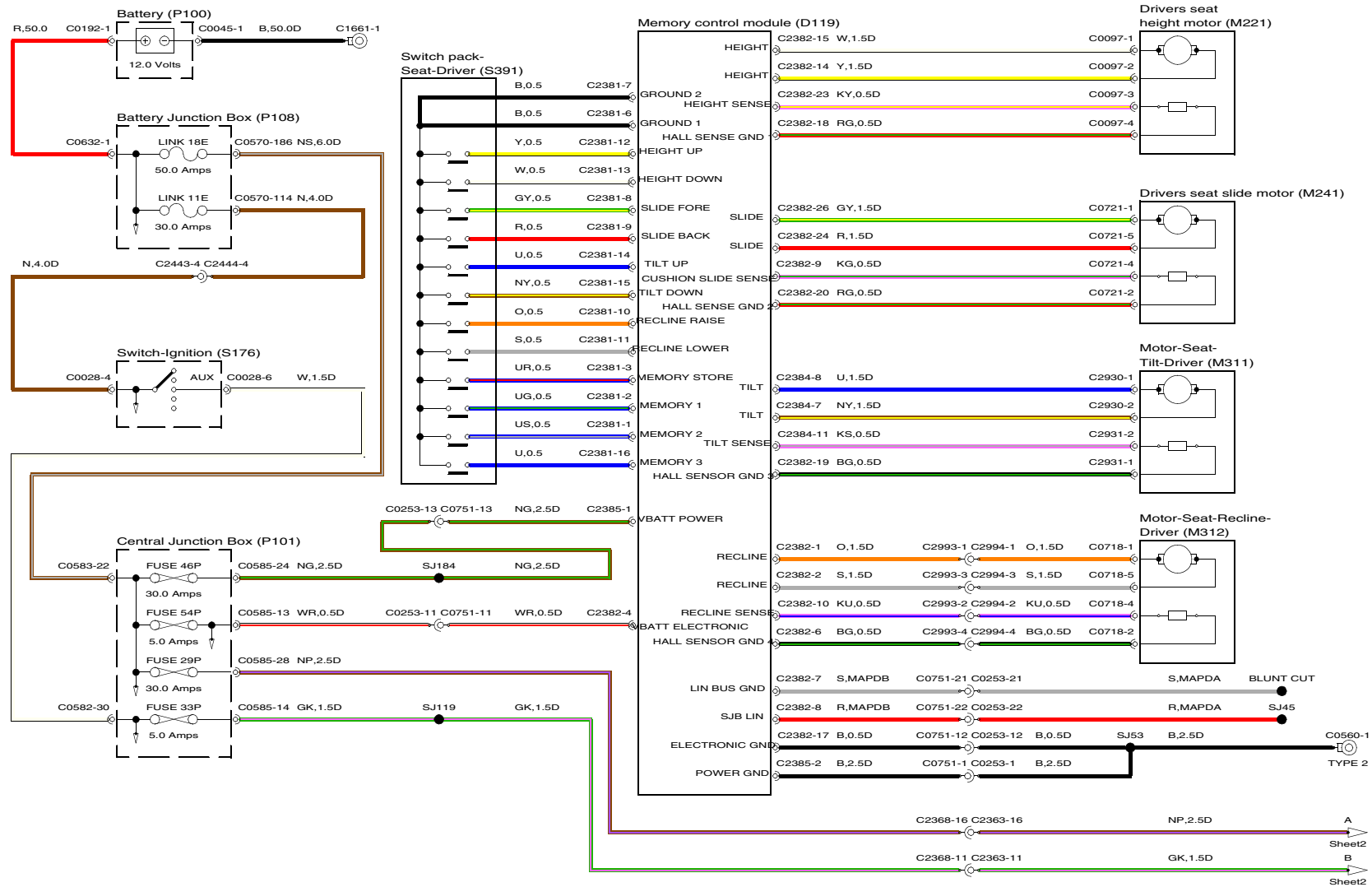


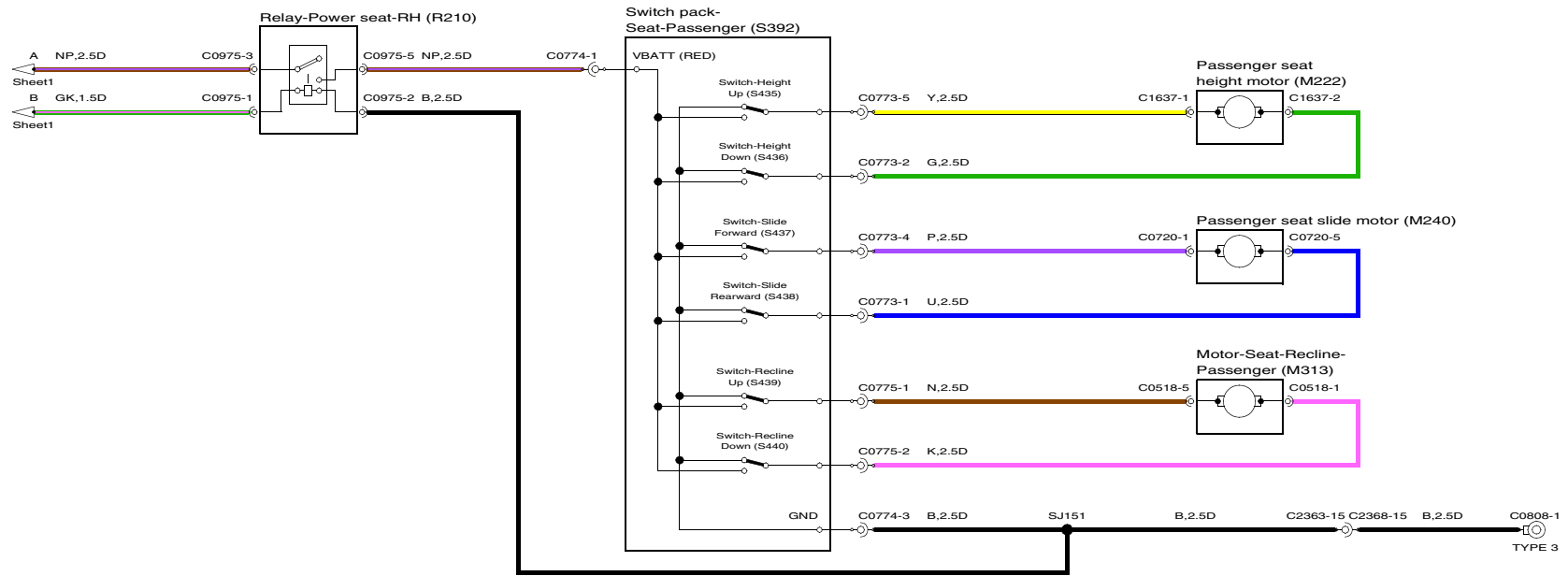


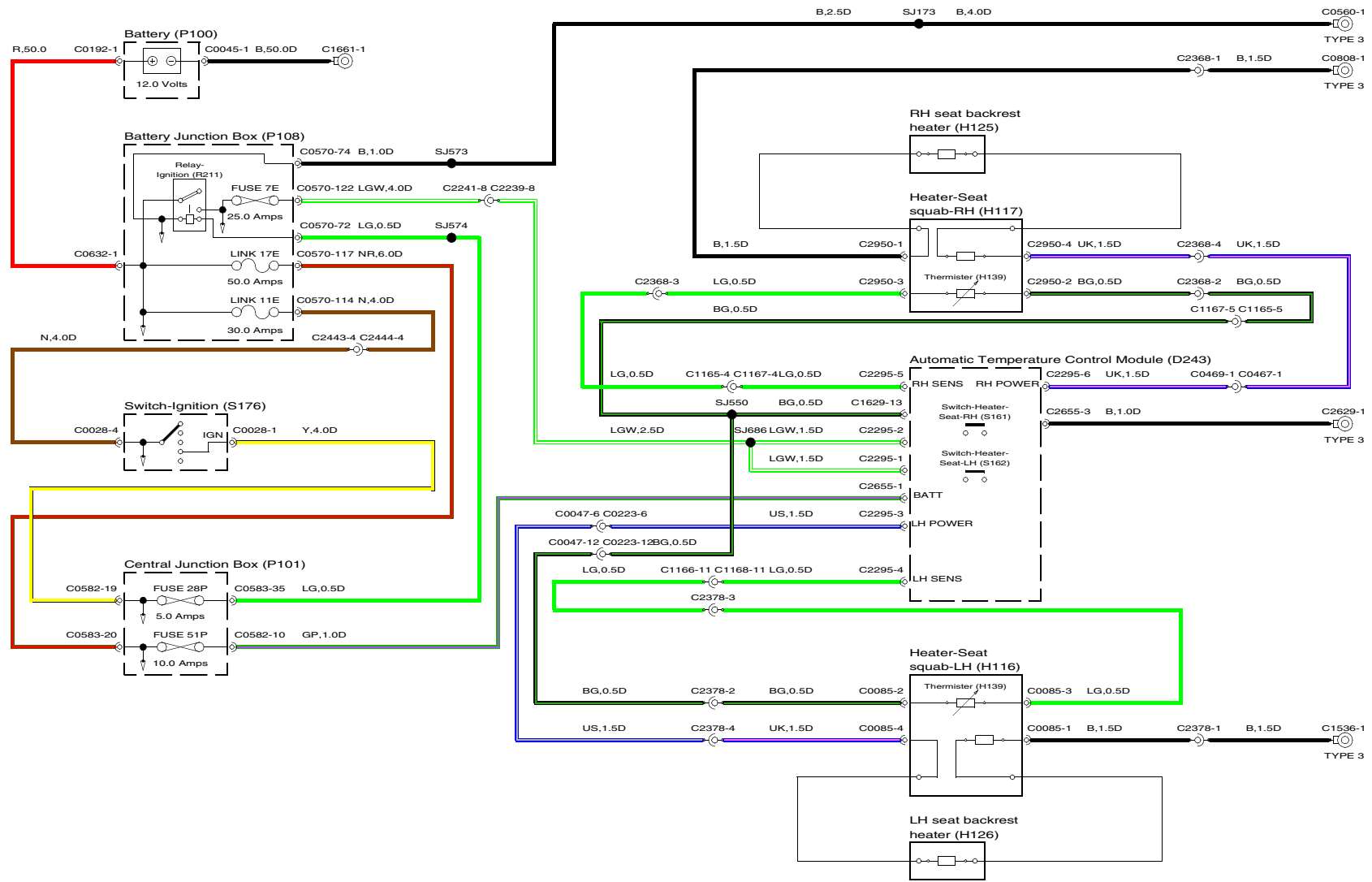




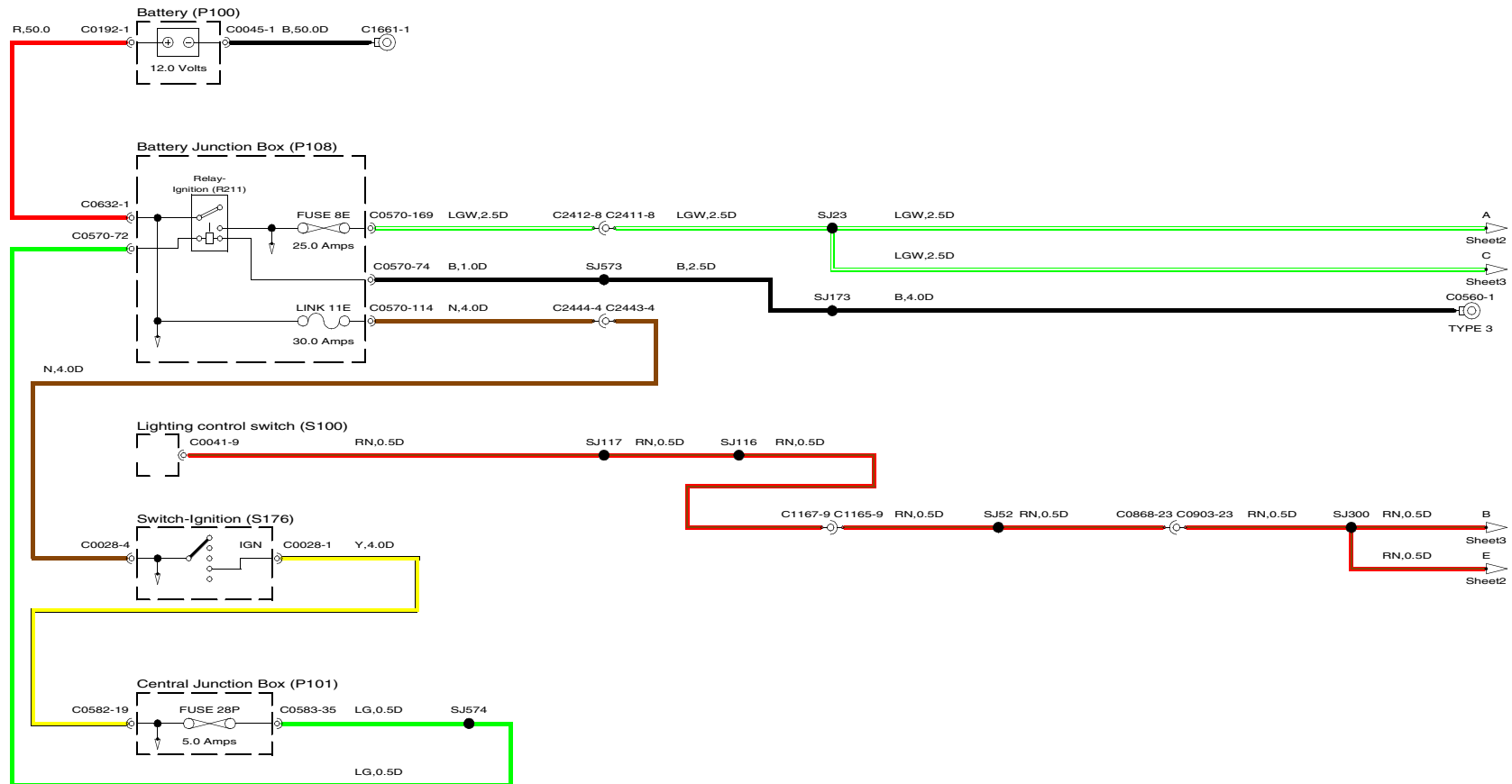


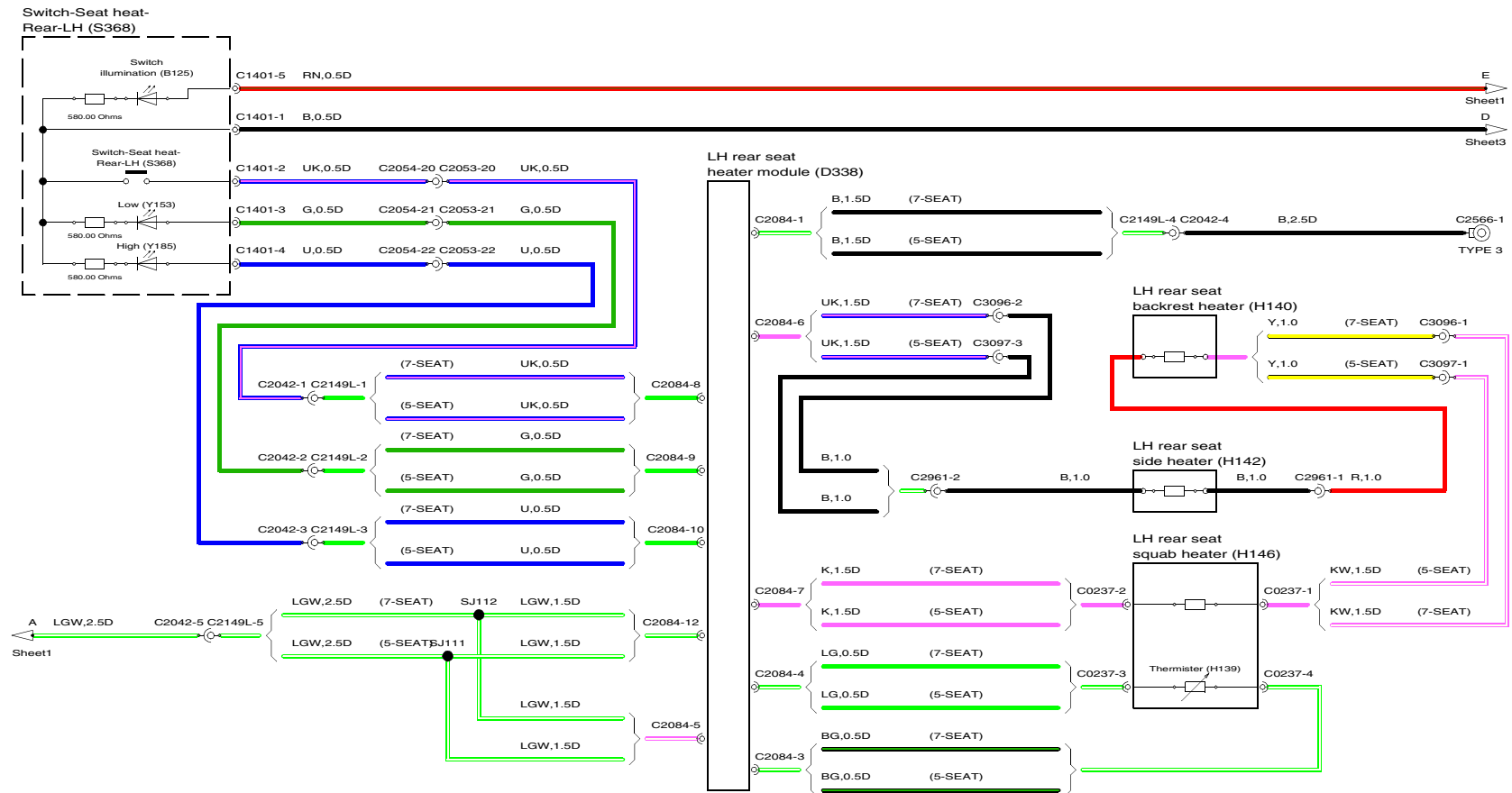


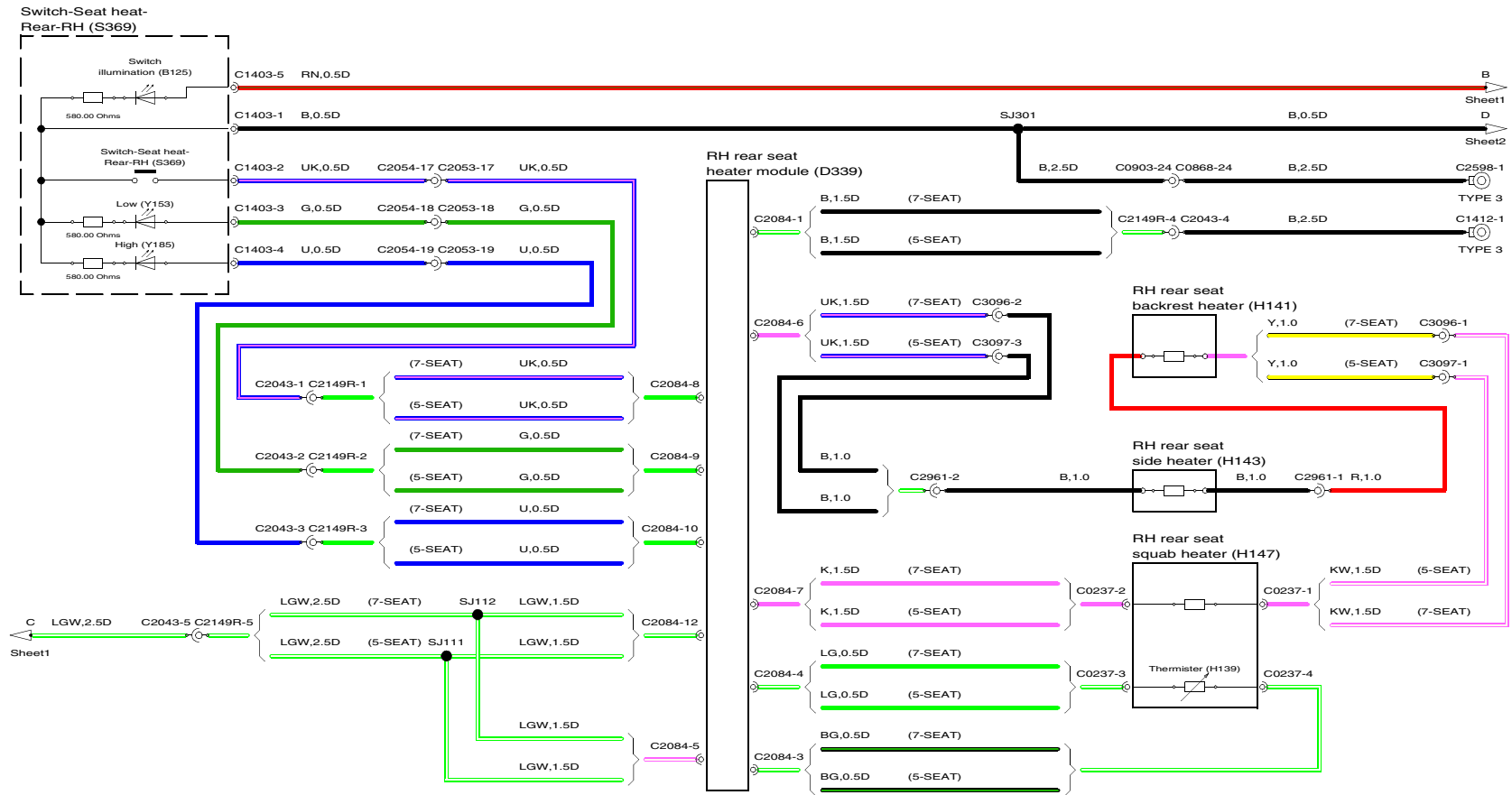






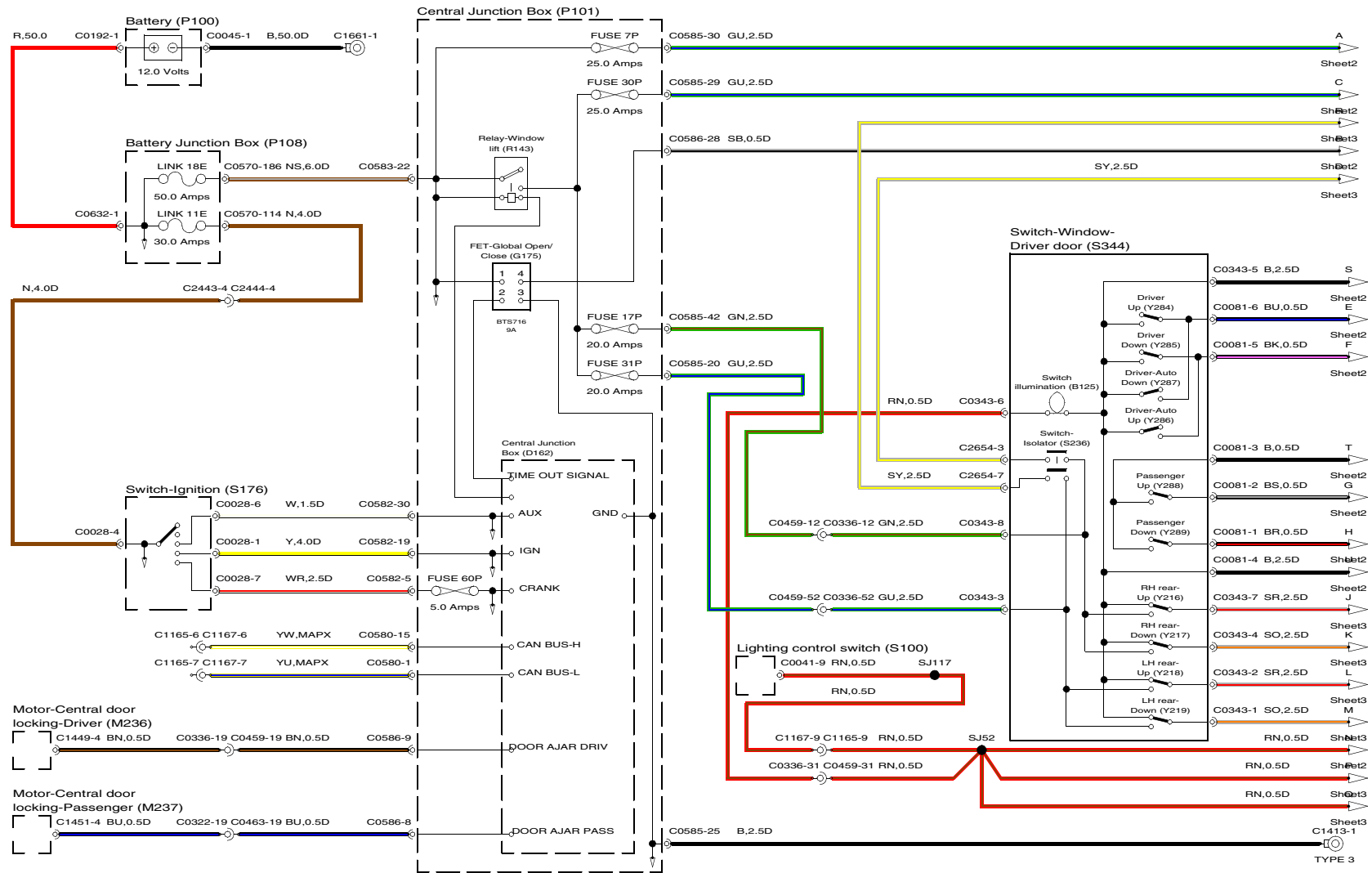


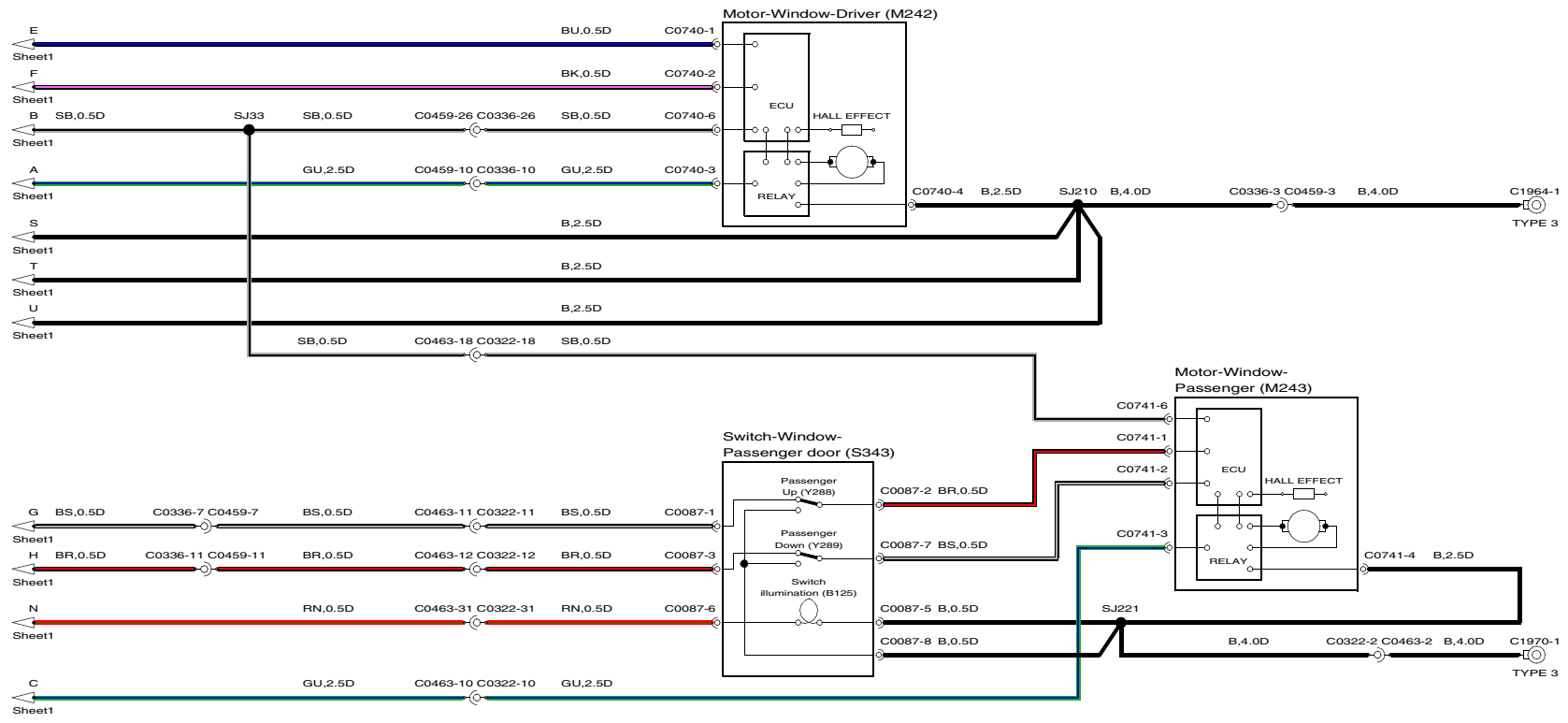


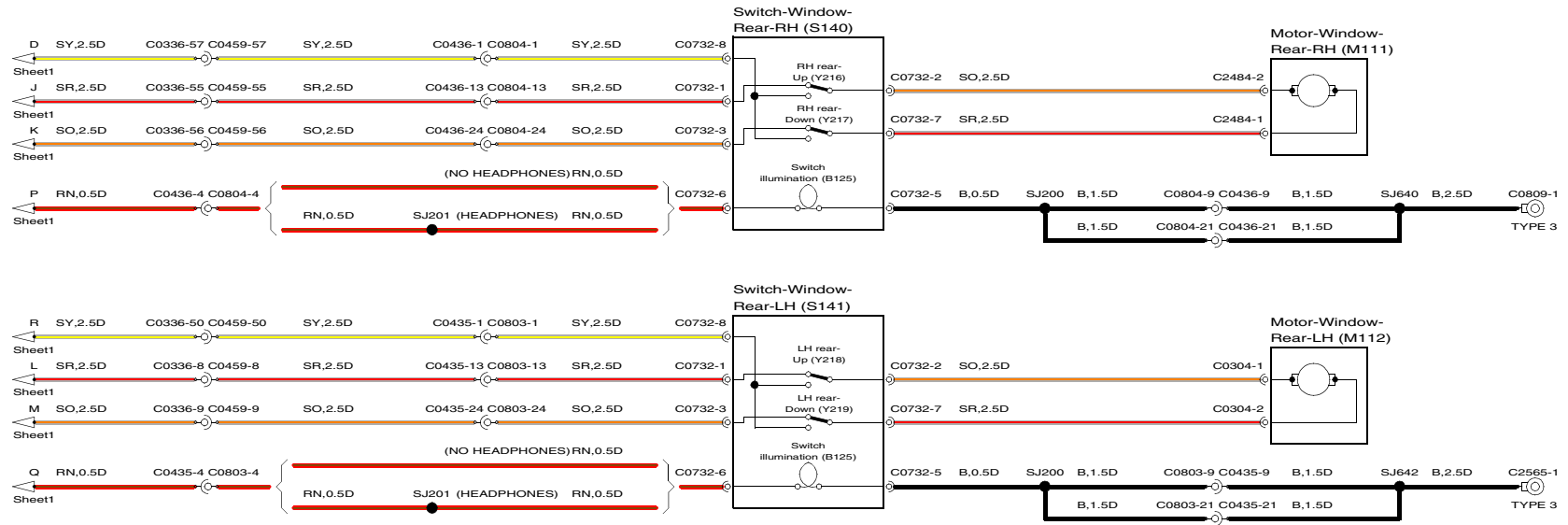




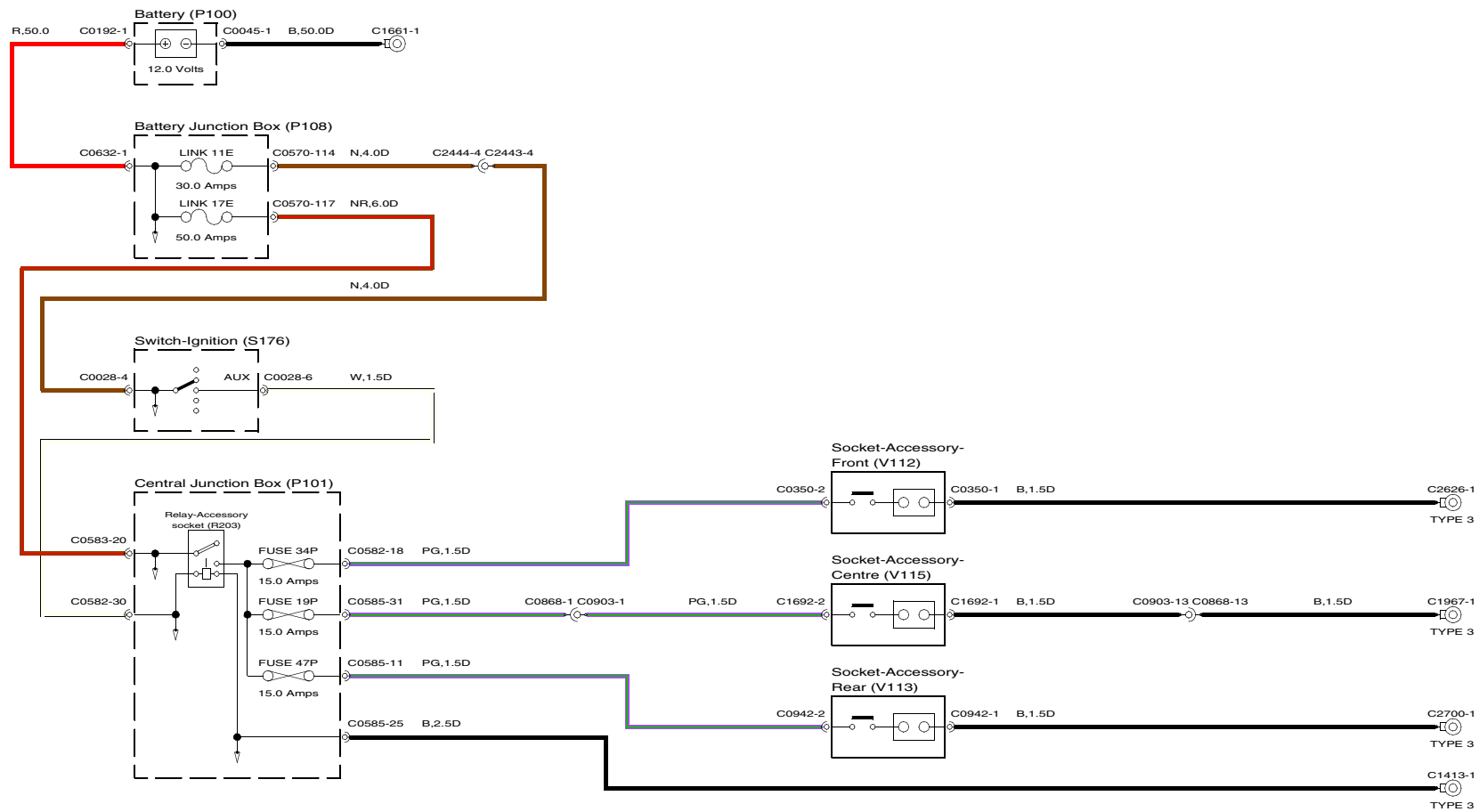




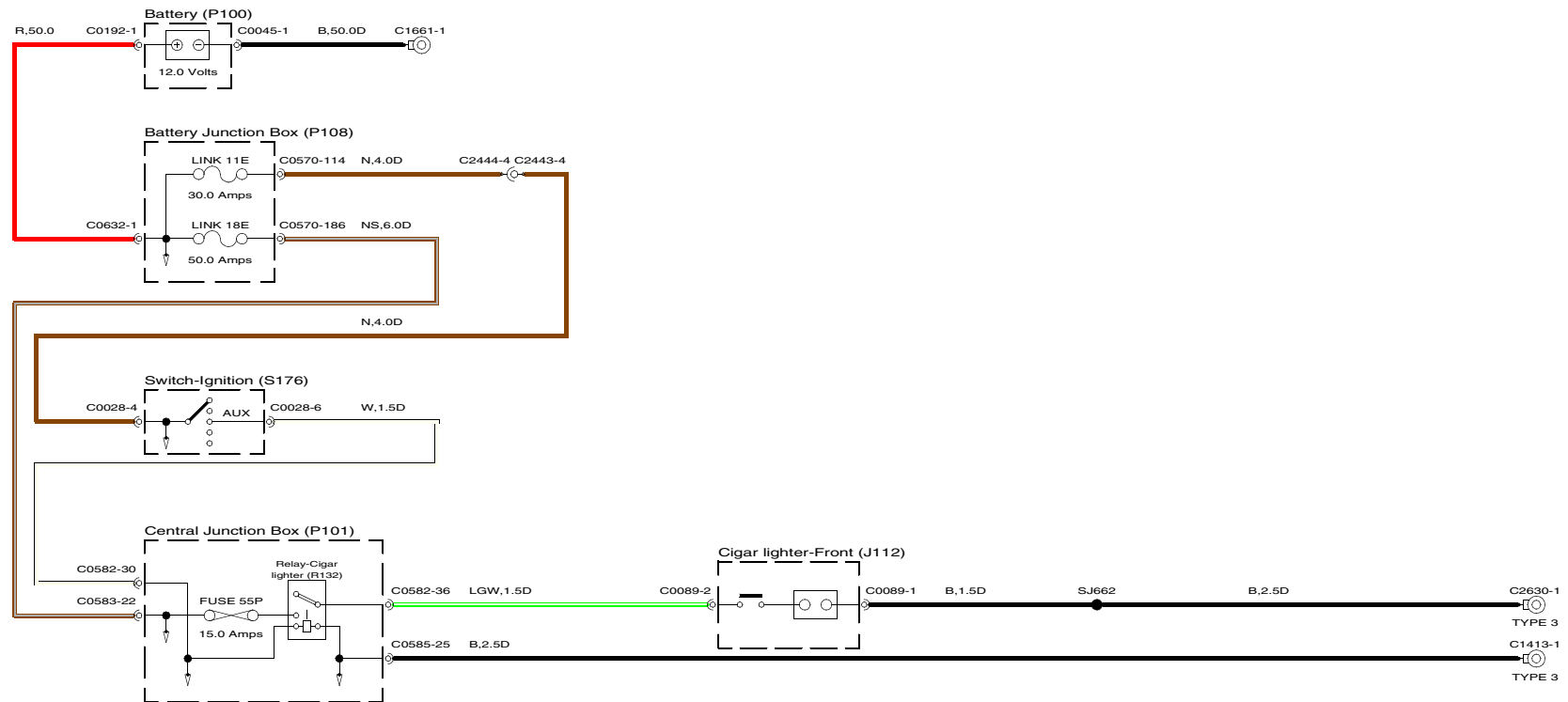






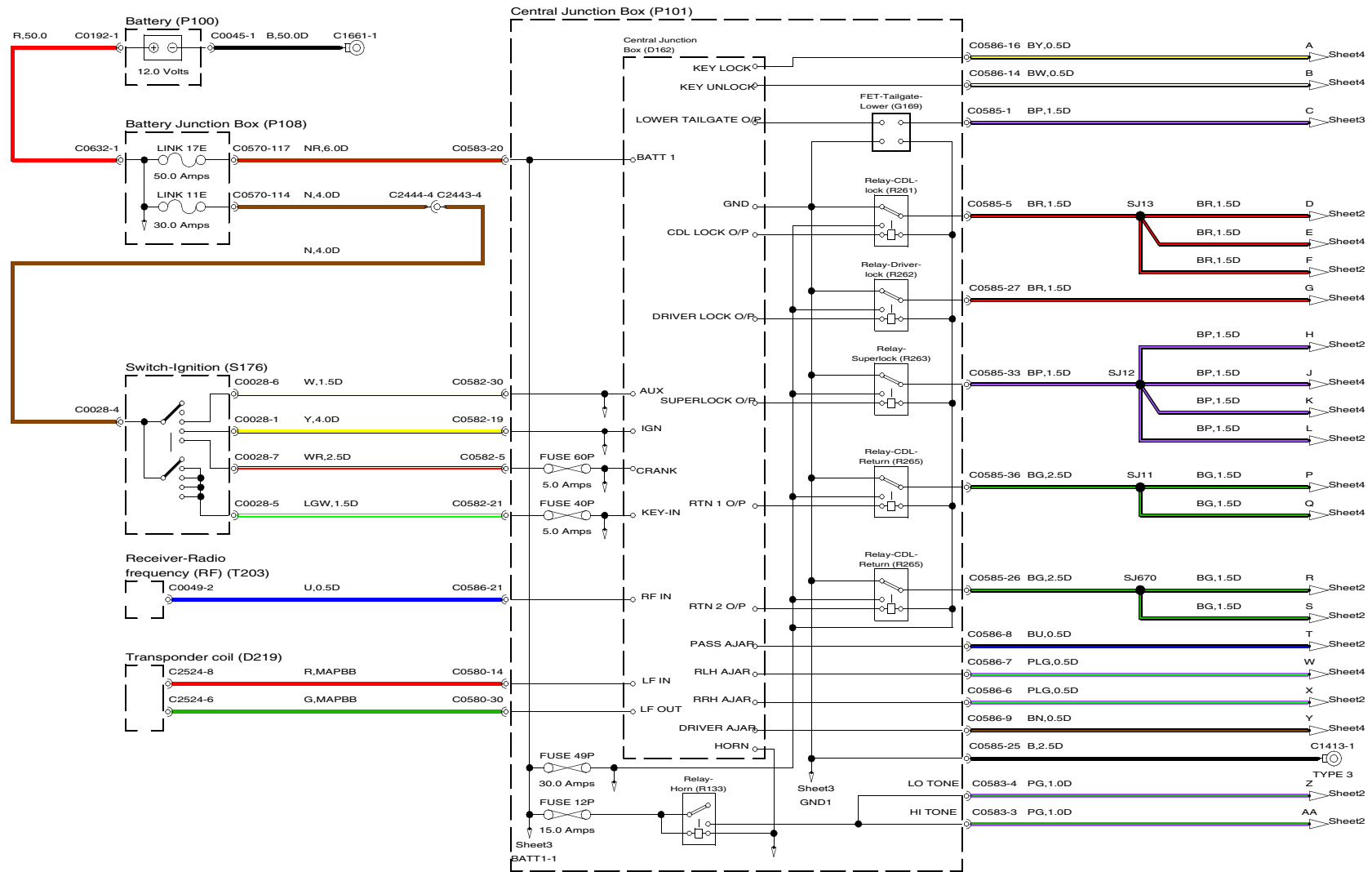


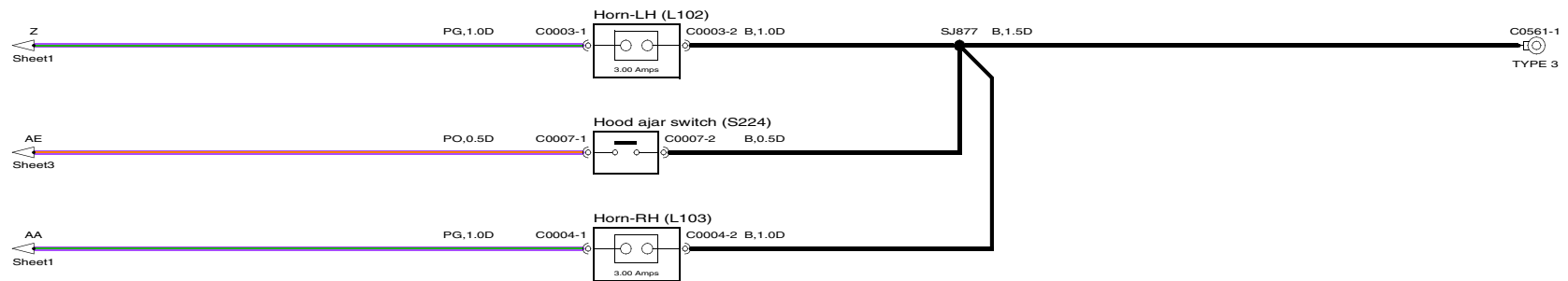
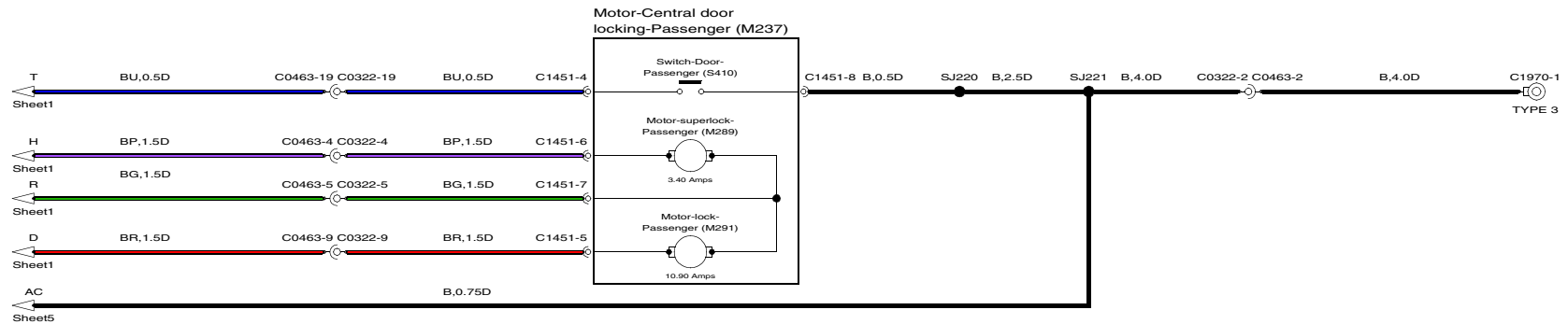
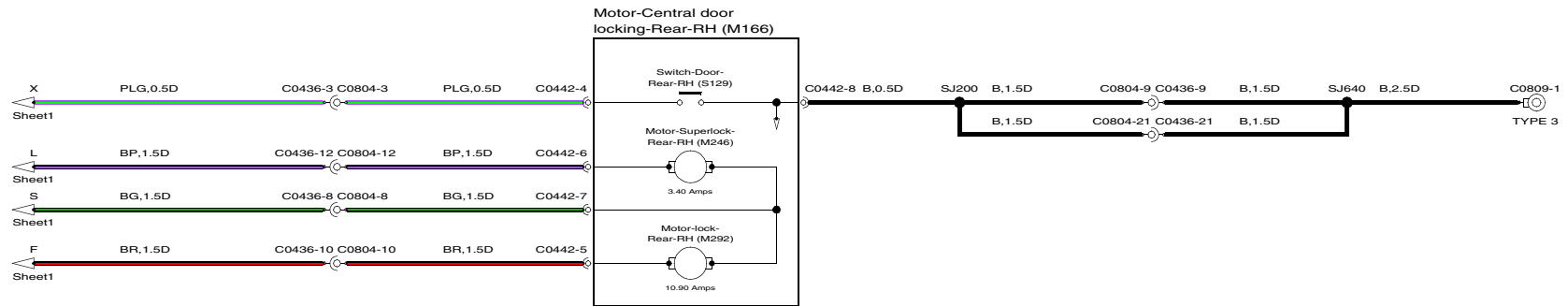


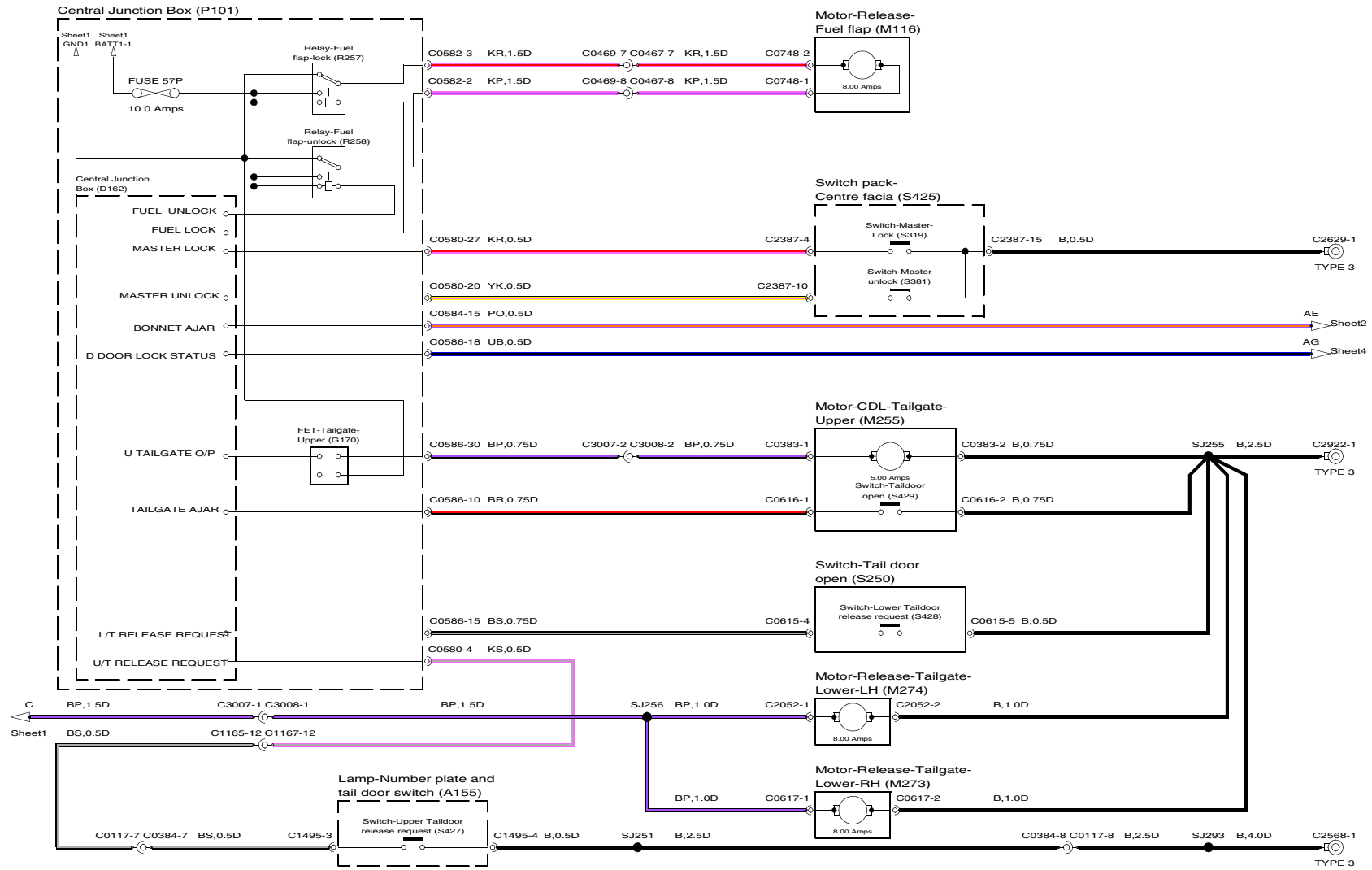


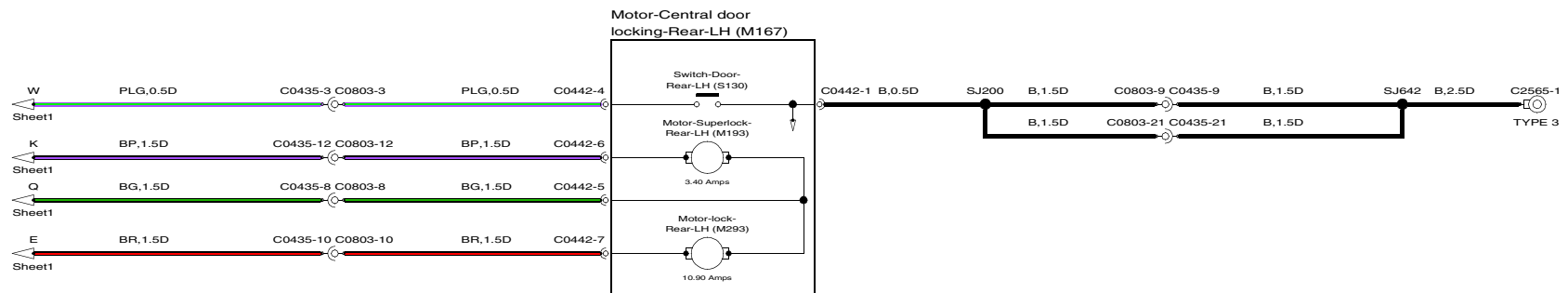
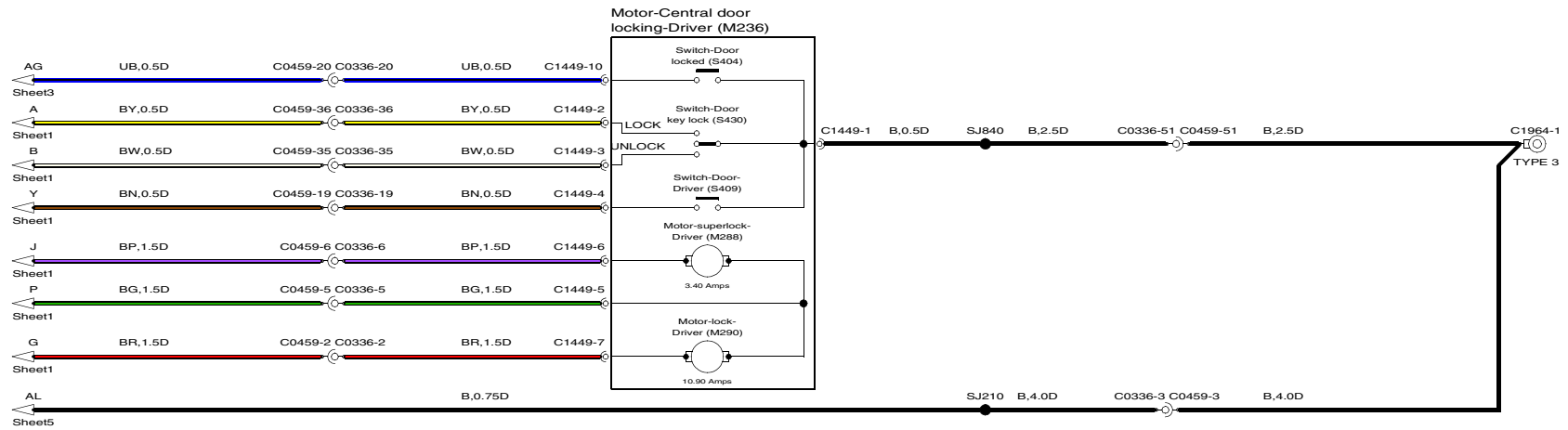


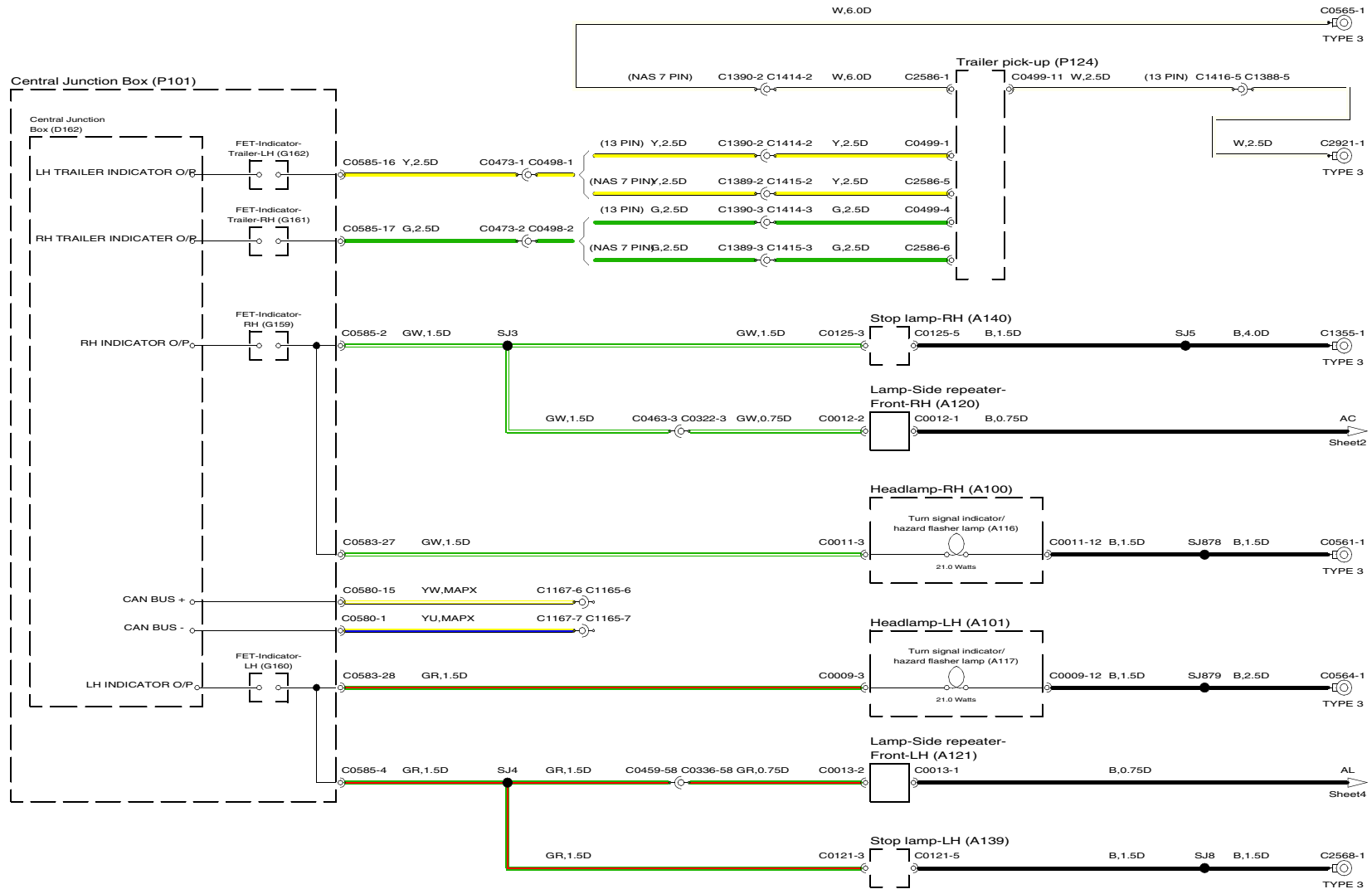




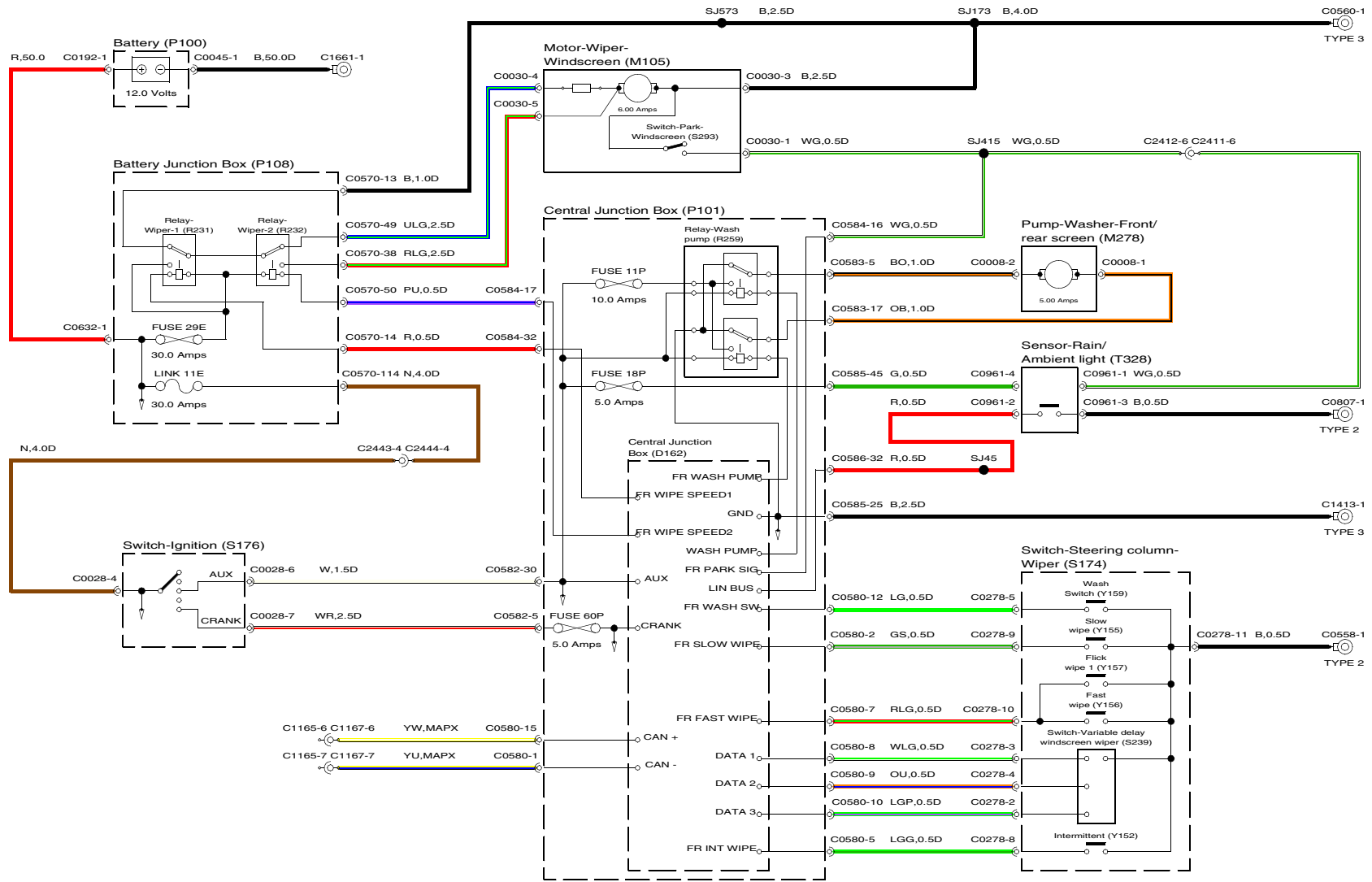






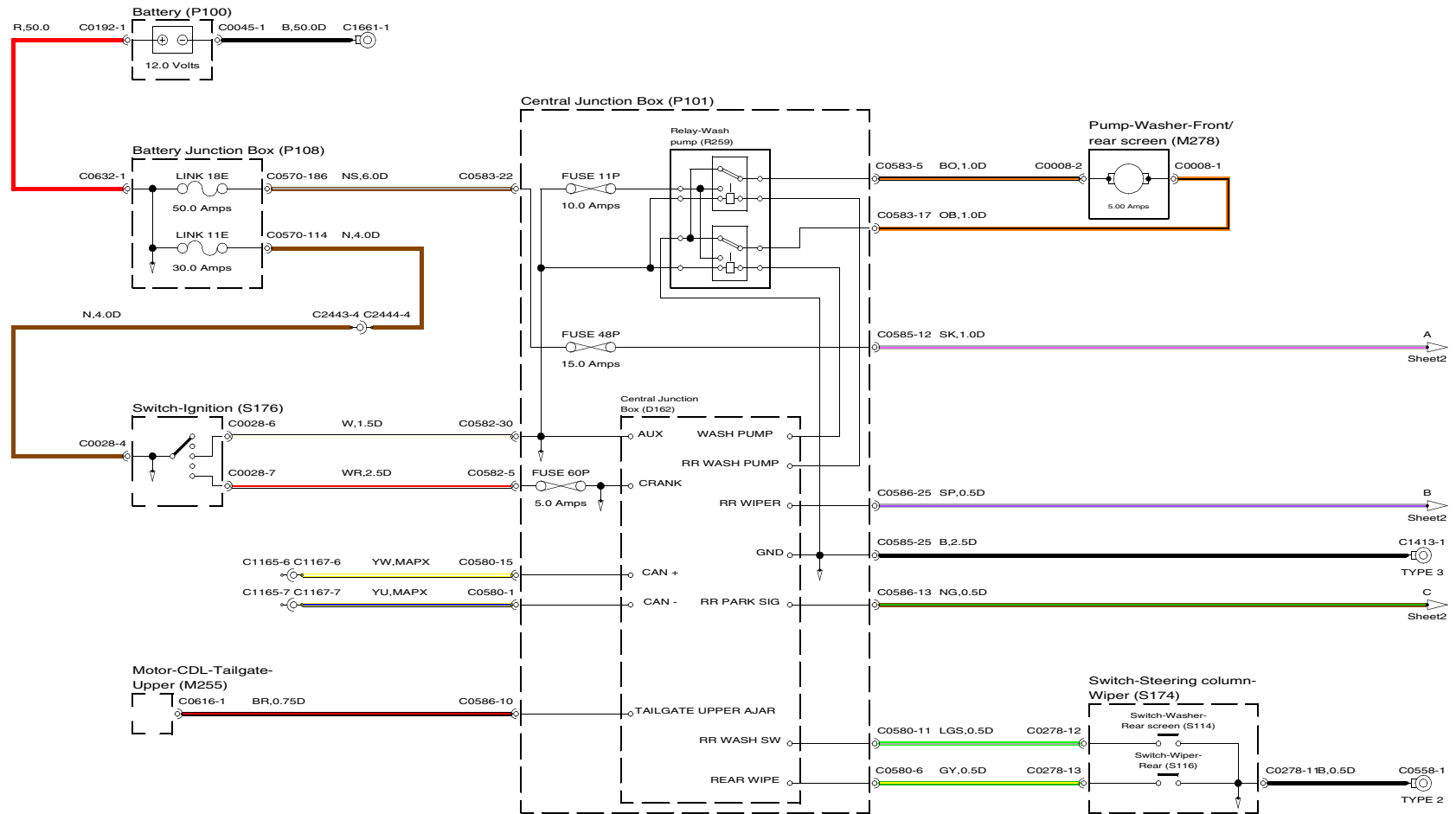


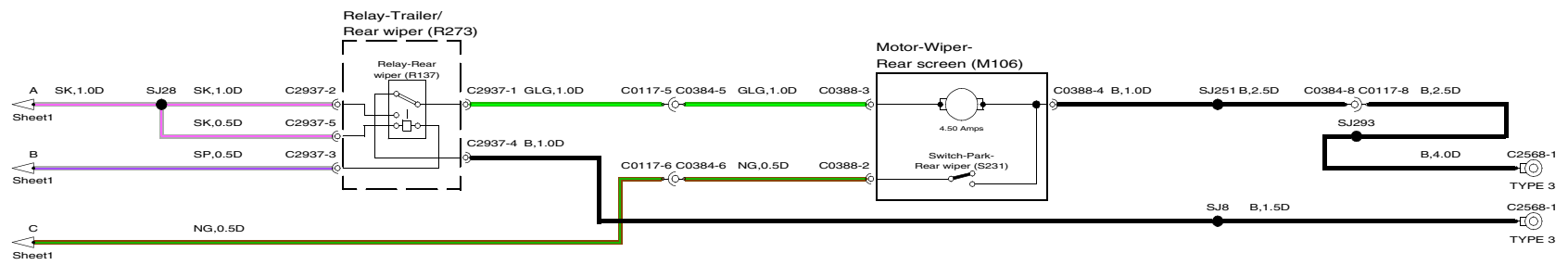


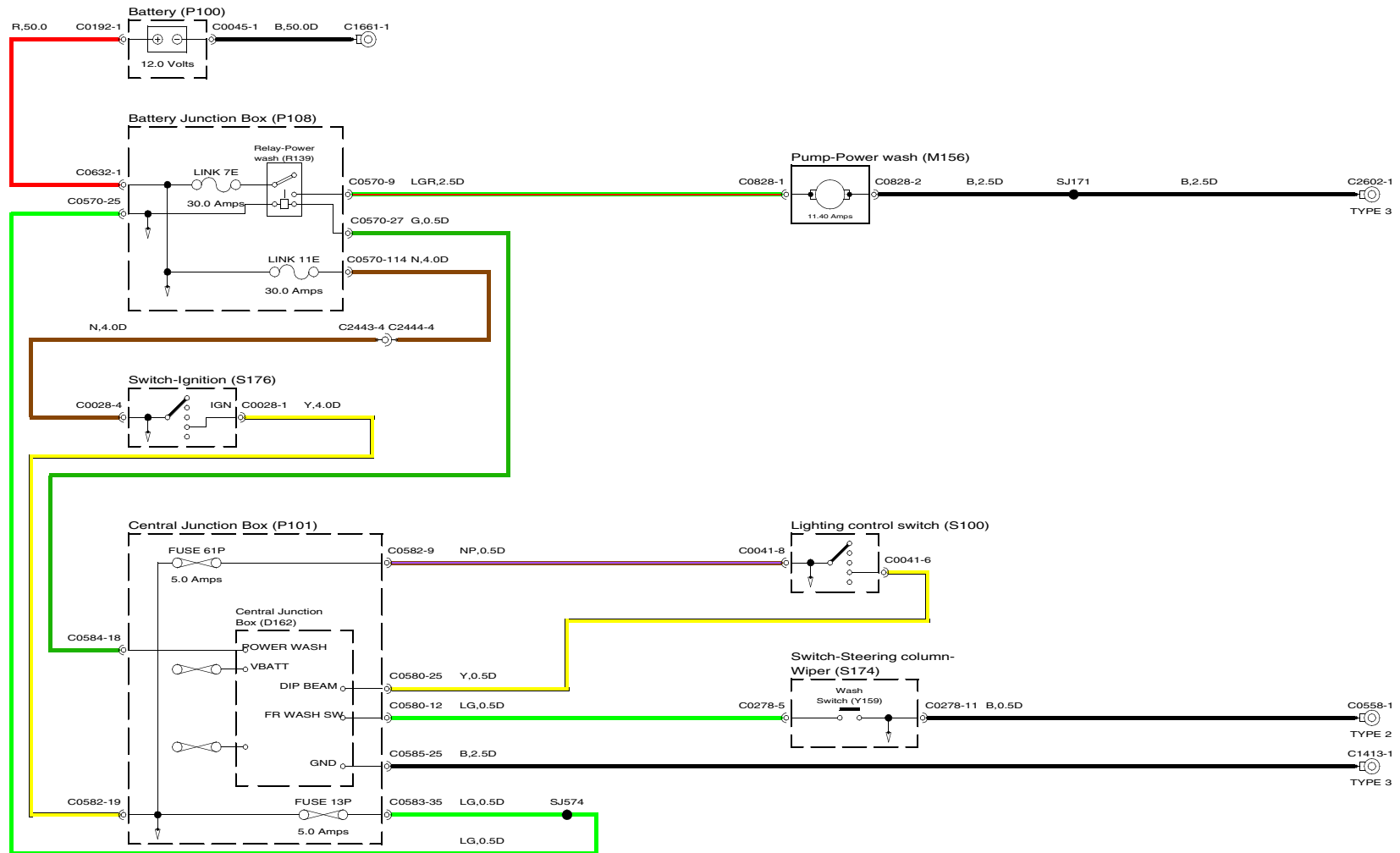




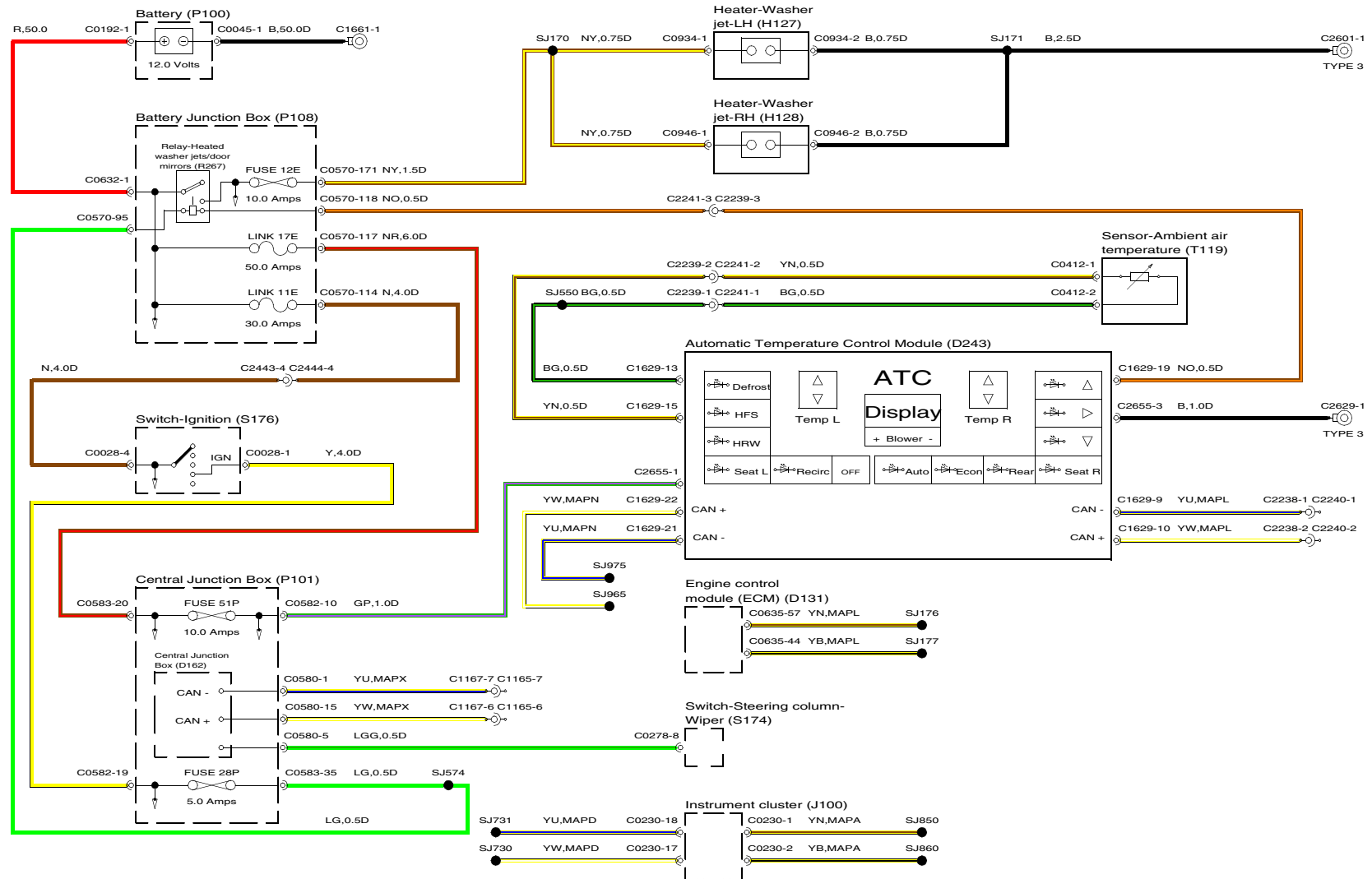






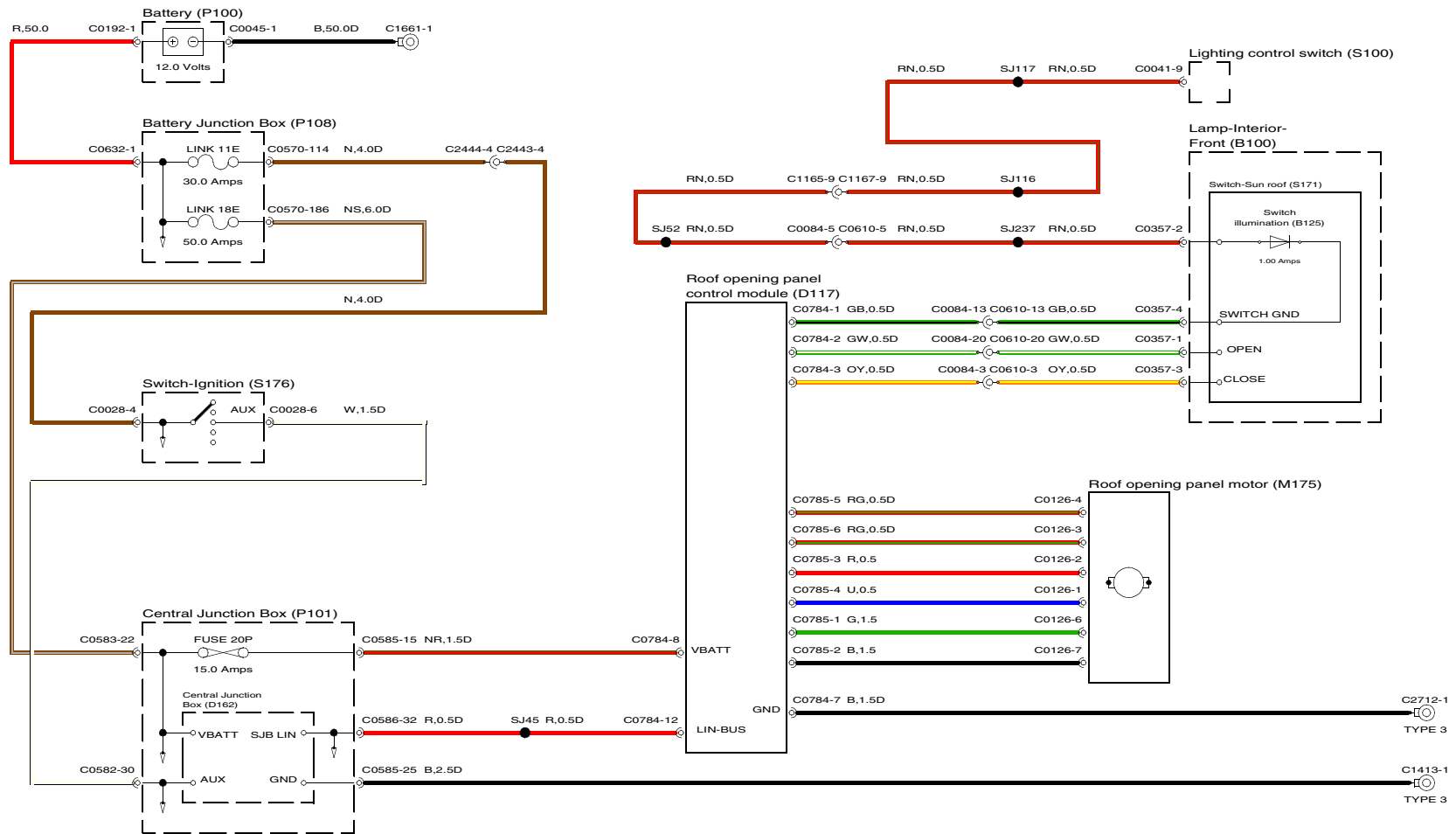








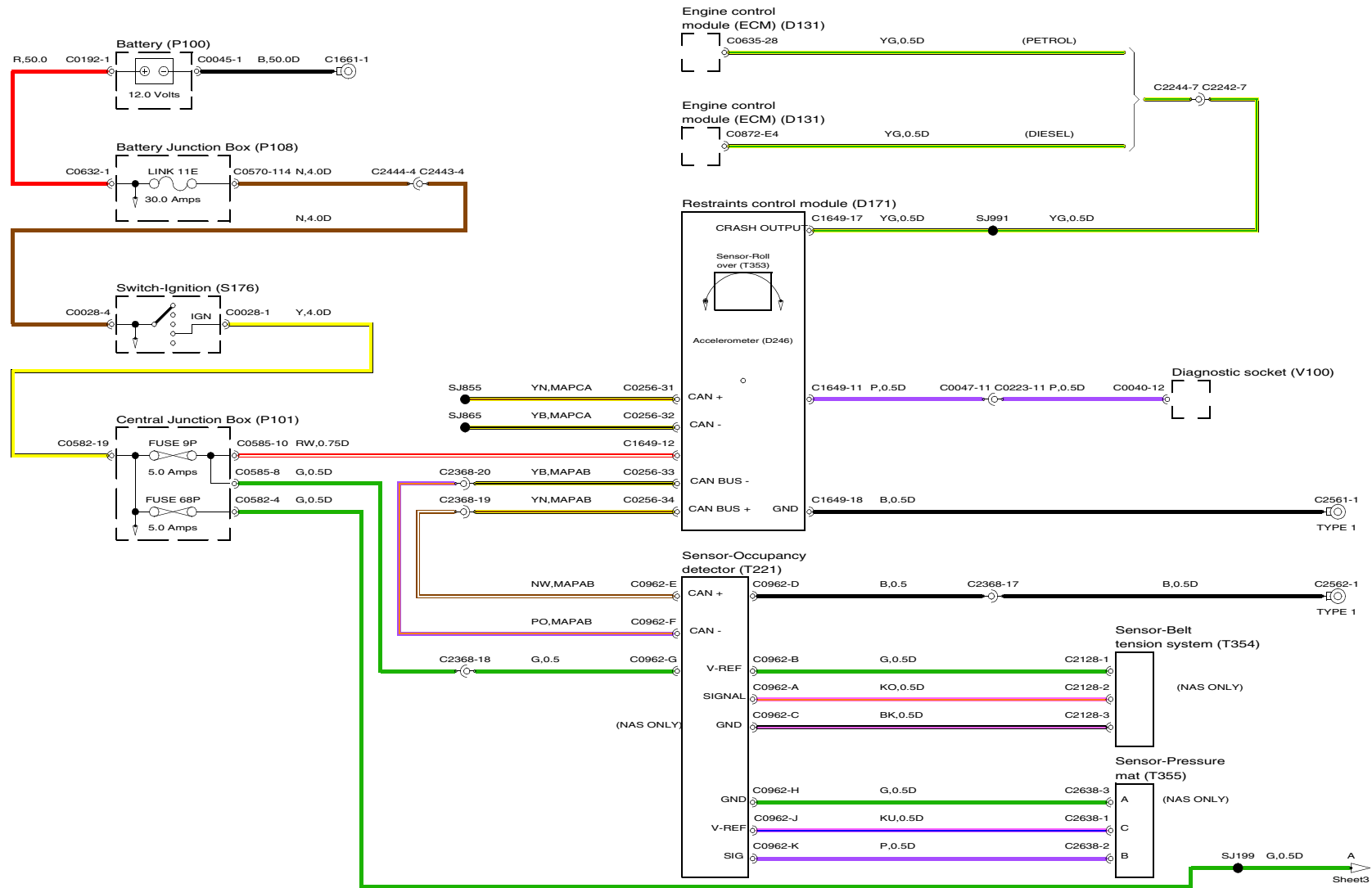
# 501 ROOF OPENING PANEL

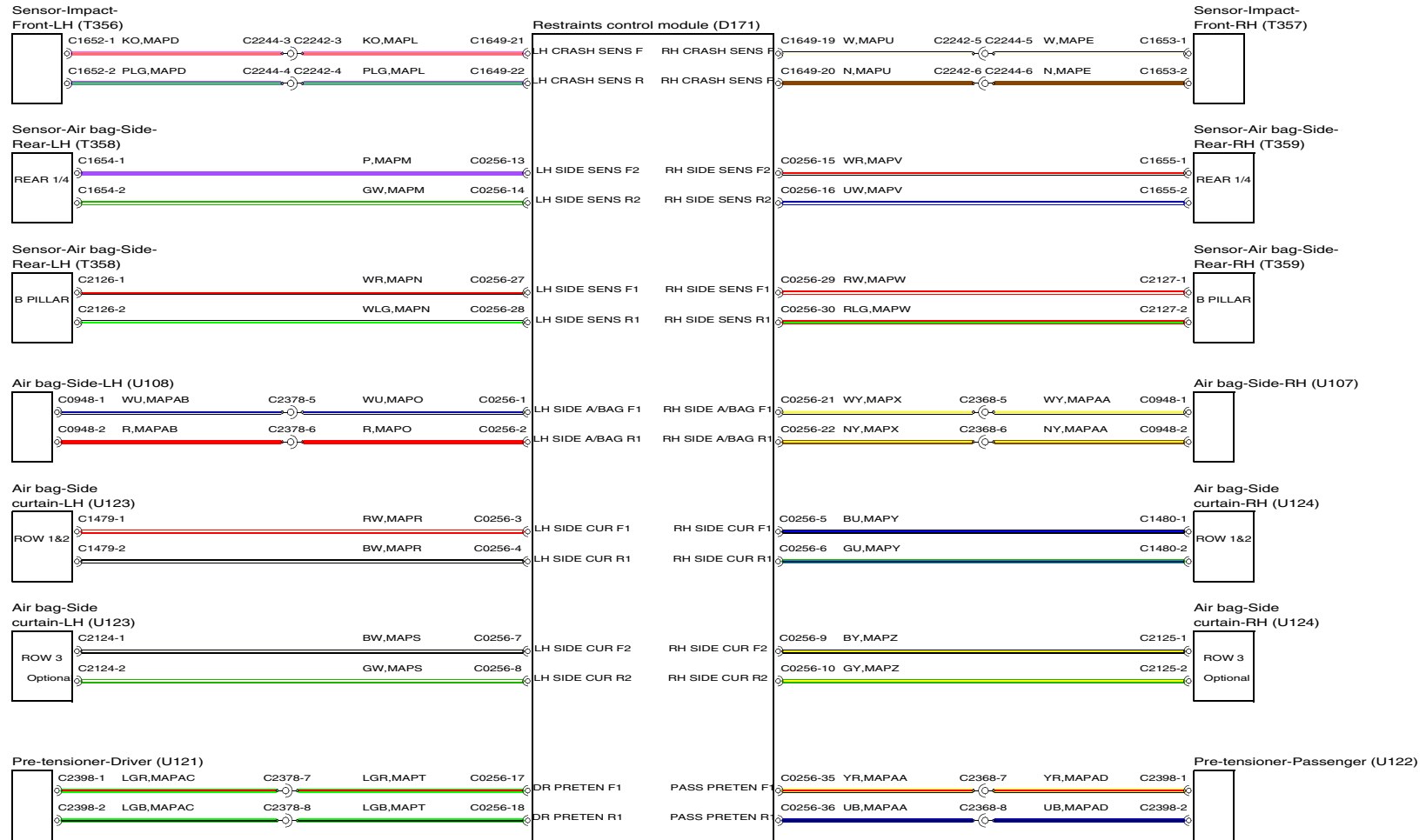






# 501 SUPPLEMENTAL RESTRAINT SYSTEM





# 501 SUPPLEMENTAL RESTRAINT SYSTEM

