



RANGE ROVER

Electrical Circuit Diagrams



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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	G	PRETO
G	GREEN	G	GROEN	G	VERT	G	GRÜN	G	VERDE	G	VERDE	K	VERDE
K	PINK	K	ROZE	K	ROSE	K	ROSA	K	ROSA	K	ROSA	LG	ROSA
LG	LIGHT GREEN	LG	LICHTGROEN	LG	VERT CLAIR	LG	HELLGRÜN	LG	VERDE CHIARO	LG	VERDE CLARO	N	VERDE CLARO
N	BROWN	N	BRUIN	N	BRUN	N	BRAUN	N	MARRONE	N	MARRON	O	CASTANHO
O	ORANGE	O	ORANJE	O	ORANGE	O	ORANGE	O	ARANCIONE	O	NARANJA	P	LARANJA
P	PURPLE	P	PAARS	P	VIOLET	P	LILA	P	PORPORA	P	PURPURA	R	ROXO
R	RED	R	ROOD	R	ROUGE	R	ROT	R	ROSSO	R	ROJO	S	VERMELHO
S	SLATE (grey)	S	LEIGRIJS	S	GRIS	S	GRAU	S	ARDESIA (grigio)	S	PIZARRO (gris)	U	CINZENTO
U	BLUE	U	BLAUW	U	BLEU	U	BLAU	U	BLU	U	AZUL	W	AZUL
W	WHITE	W	WIT	W	BLANC	W	WEISS	W	BIANCO	W	BLANCO	Y	BRANCO
Y	YELLOW	Y	GEEL	Y	JAUNE	Y	GELB	Y	GIALLO	Y	AMARILLO	Y	AMARELO

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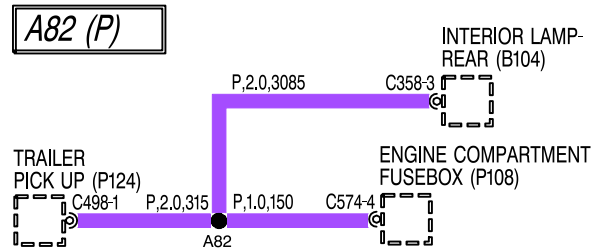
HOW TO USE THE CIRCUIT DIAGRAMS

All of the information in this folder is intended for use with the Electrical Reference Library booklet.

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

Power Distribution

The Power Distribution diagram shows the connections from the battery to the engine and passenger compartment fuseboxes. It also shows the internal circuitry of the fuseboxes.



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 ground distribution section comprises a number of Headers and Splices tables. 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

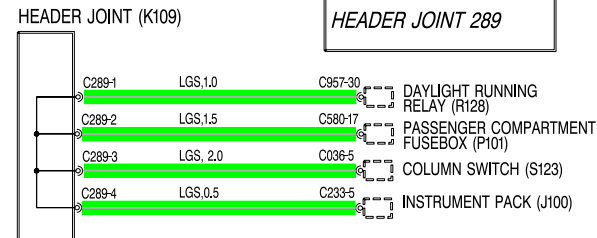
Header and splice tables present the joint(s) and wiring up to the first component. Splices are identified by a number with an alphabetical prefix and the wire colour.

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 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 C574-4 is 150mm from joint A82.

Connectors

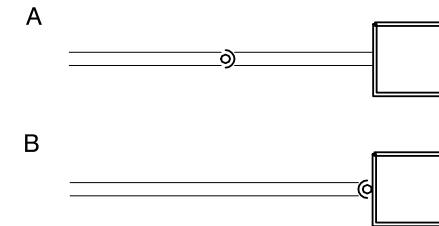


Header joints are identified by their corresponding connector number with a numbered suffix to indicate the pin-out detail of the wire, i.e. C289-1 identifies connector 289, pin number 1. Wire insulation colour is identified in the normal way. Where wires have a predominant colour with a secondary colour stripe, the main colour is identified first, i.e. LGS - Light Green with a Slate stripe.

Line Types



This means the wire connects to another circuit.



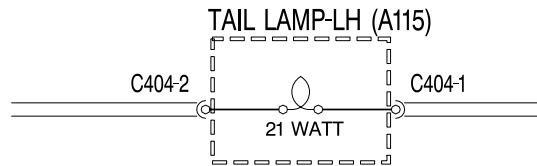
The cup and ball symbol indicates the male and female halves of connector.

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

B. Connector plugs directly into component.

HOW TO USE THE CIRCUIT DIAGRAMS

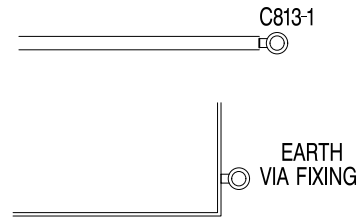
Components



86M4231A

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

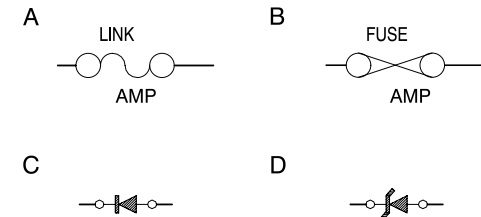
Earth points



86M4232A

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



86M4234A

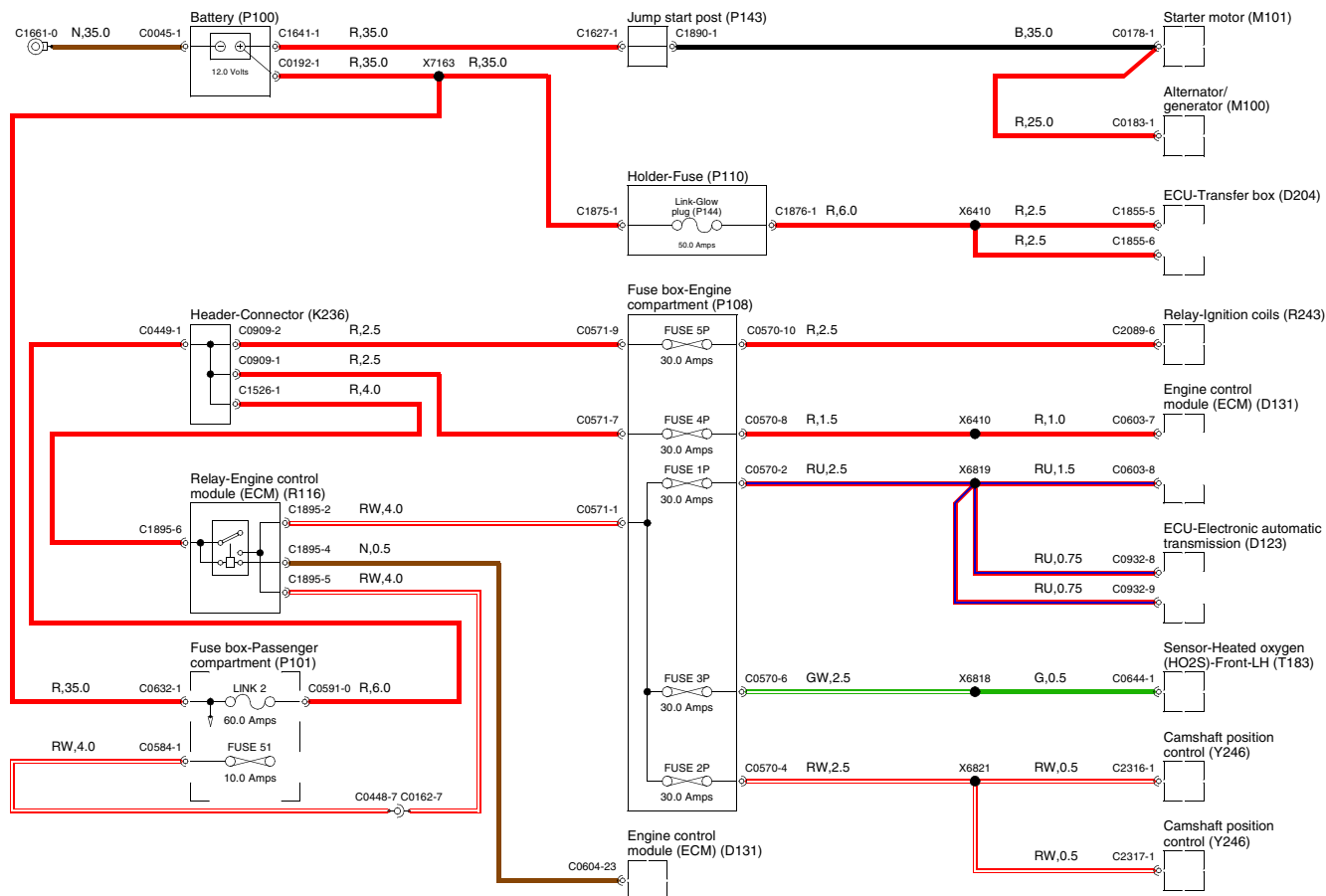
Fusible links (A) and current rated fuses (B) are identified as shown.

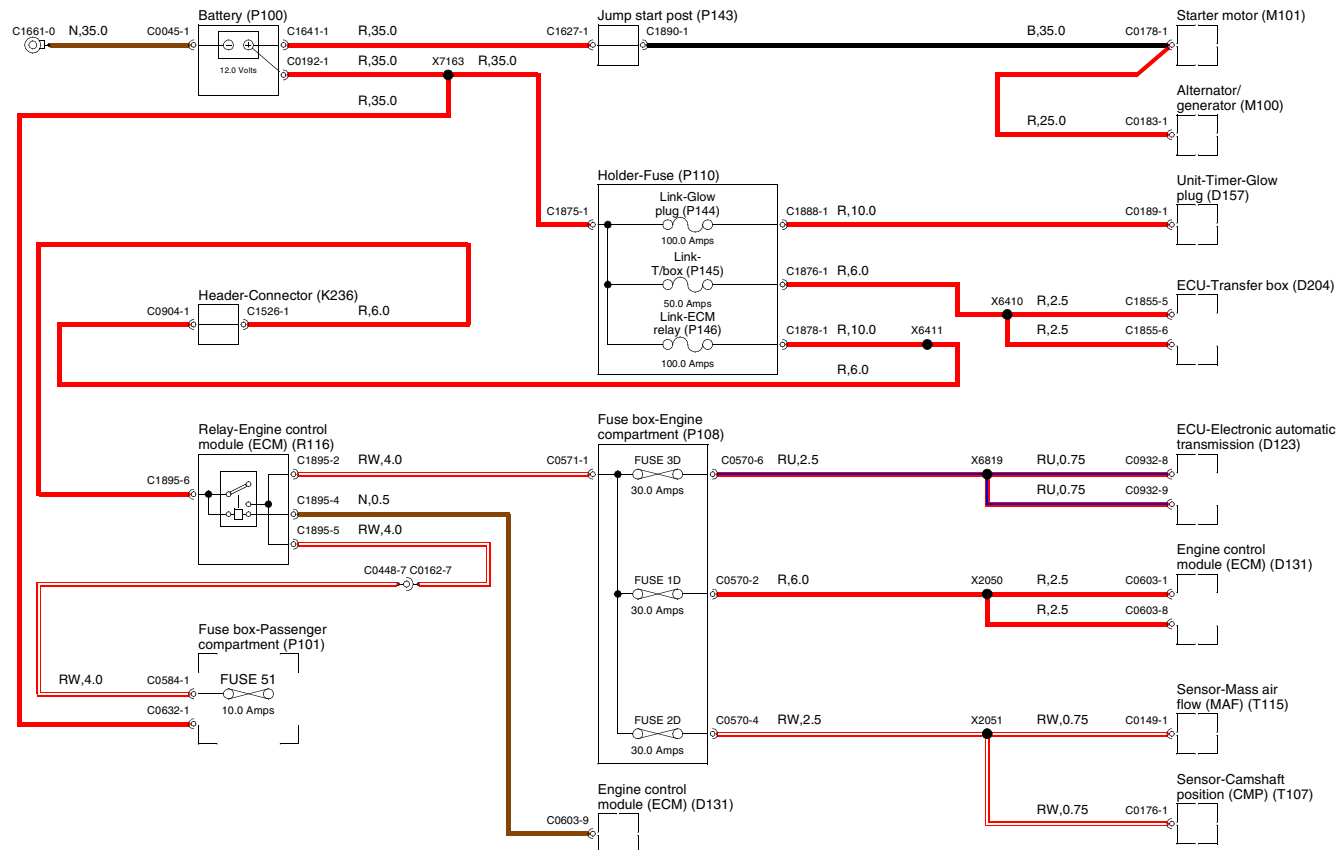
The direction of the arrow in a Diode symbol (C) indicates the direction of current flow. The Zener diode (D) - prevents current flow until a precise voltage is reached.

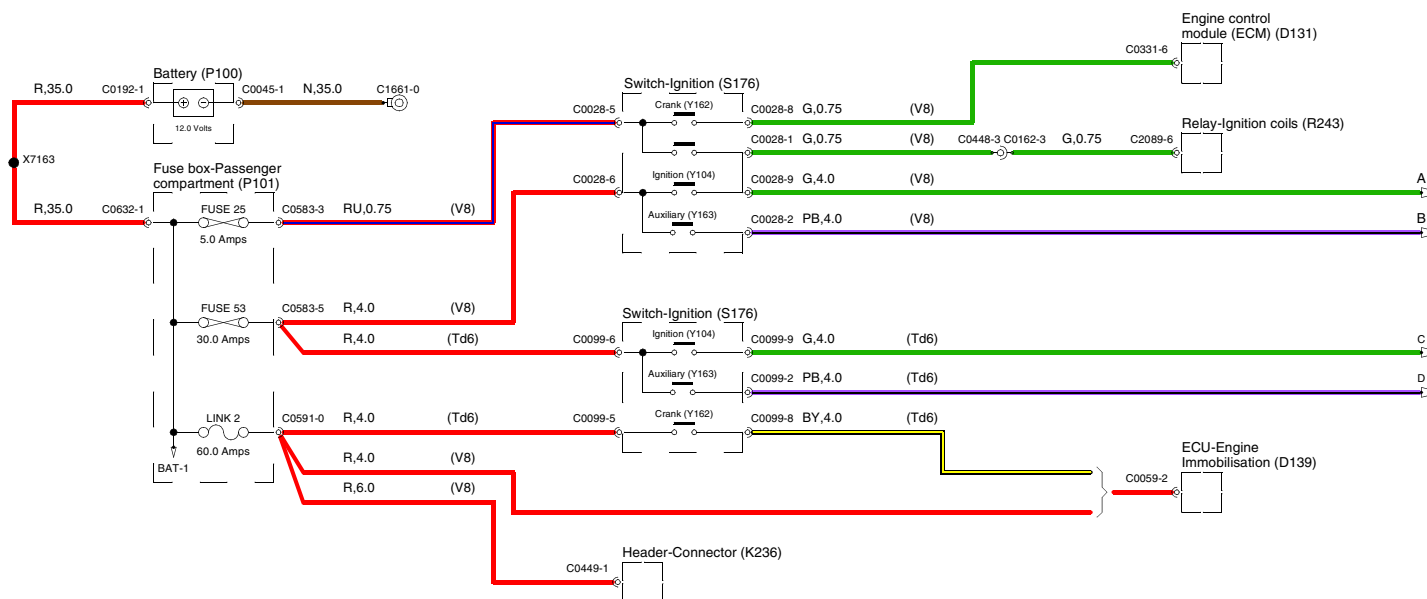
HOW TO USE THE CIRCUIT DIAGRAMS

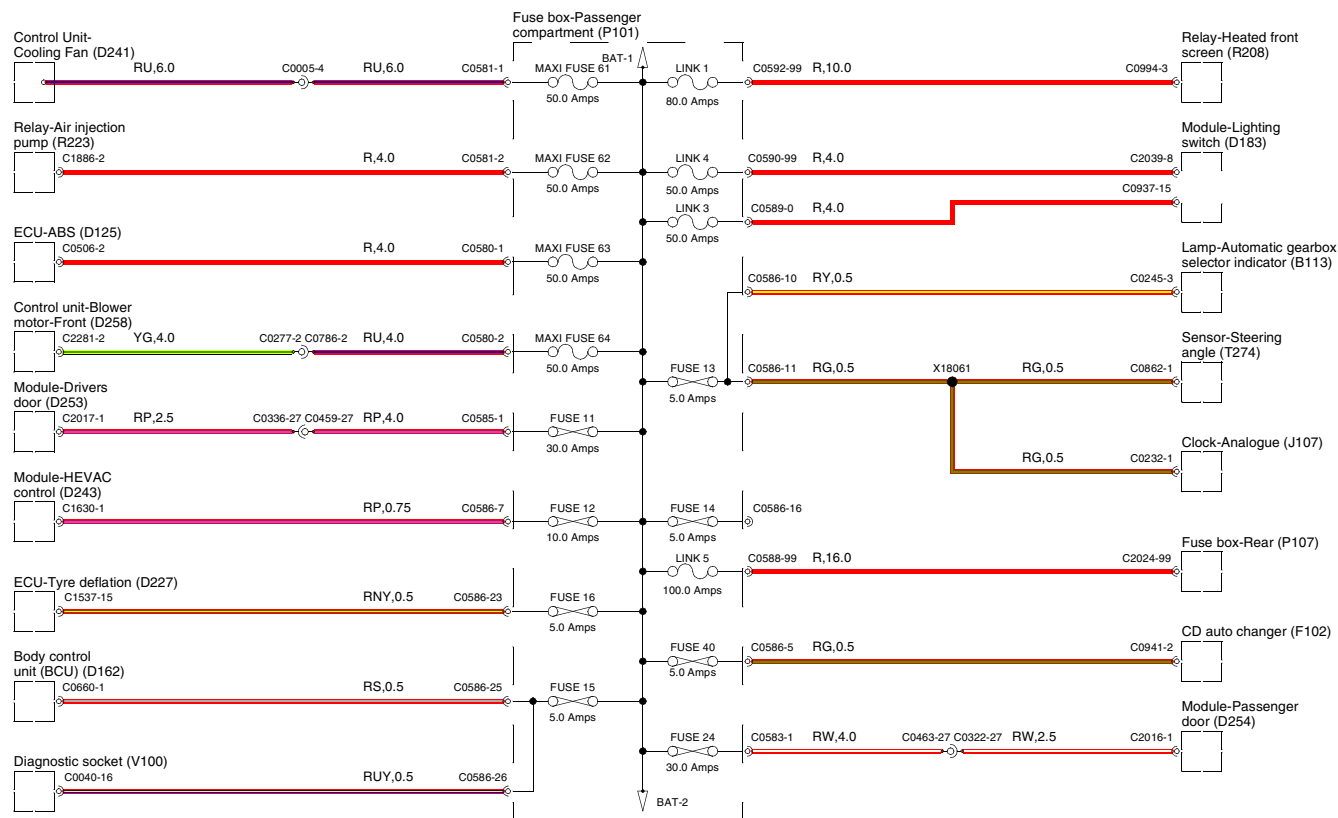
1 POWER DISTRIBUTION

Engine Compartment Fuse Box



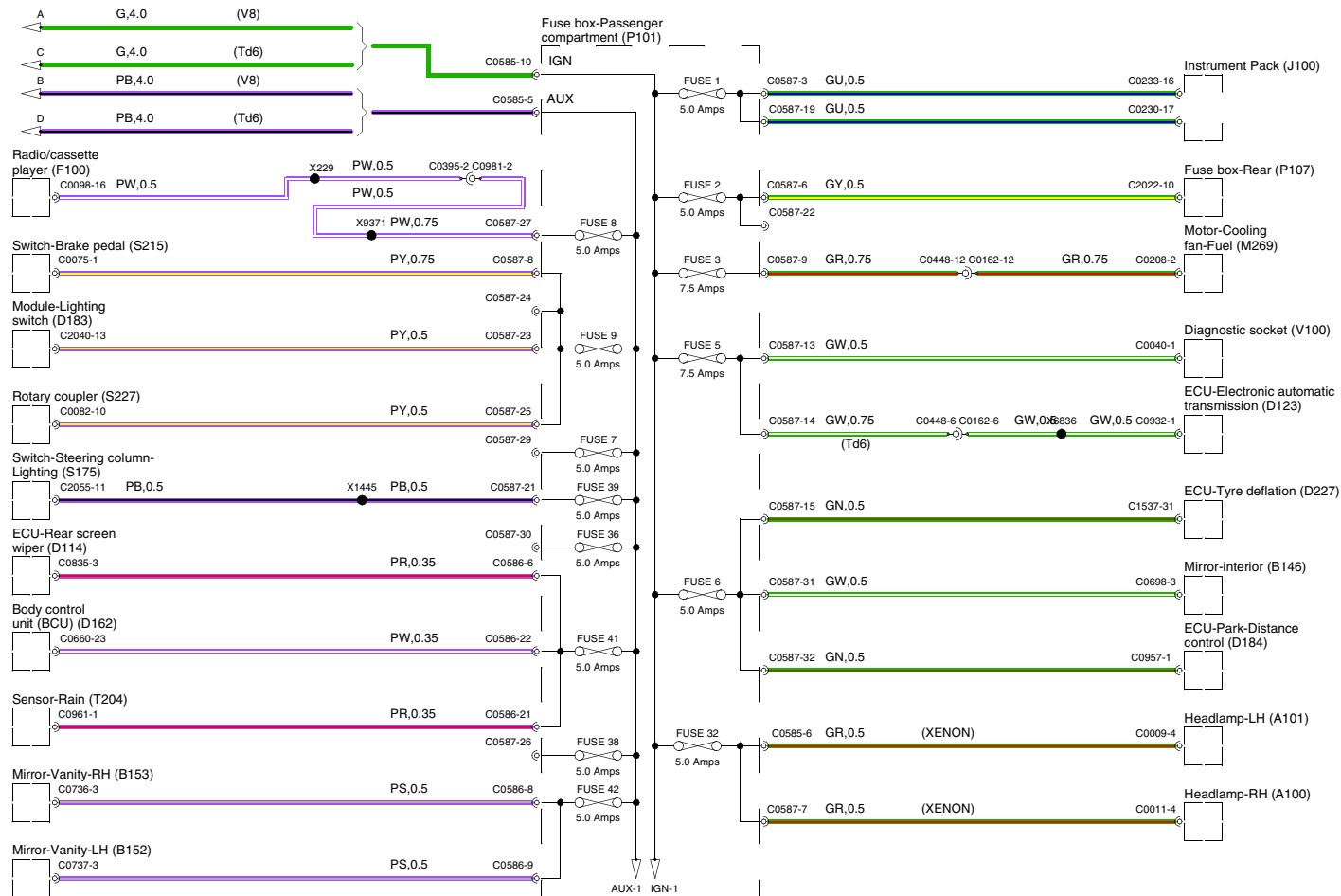


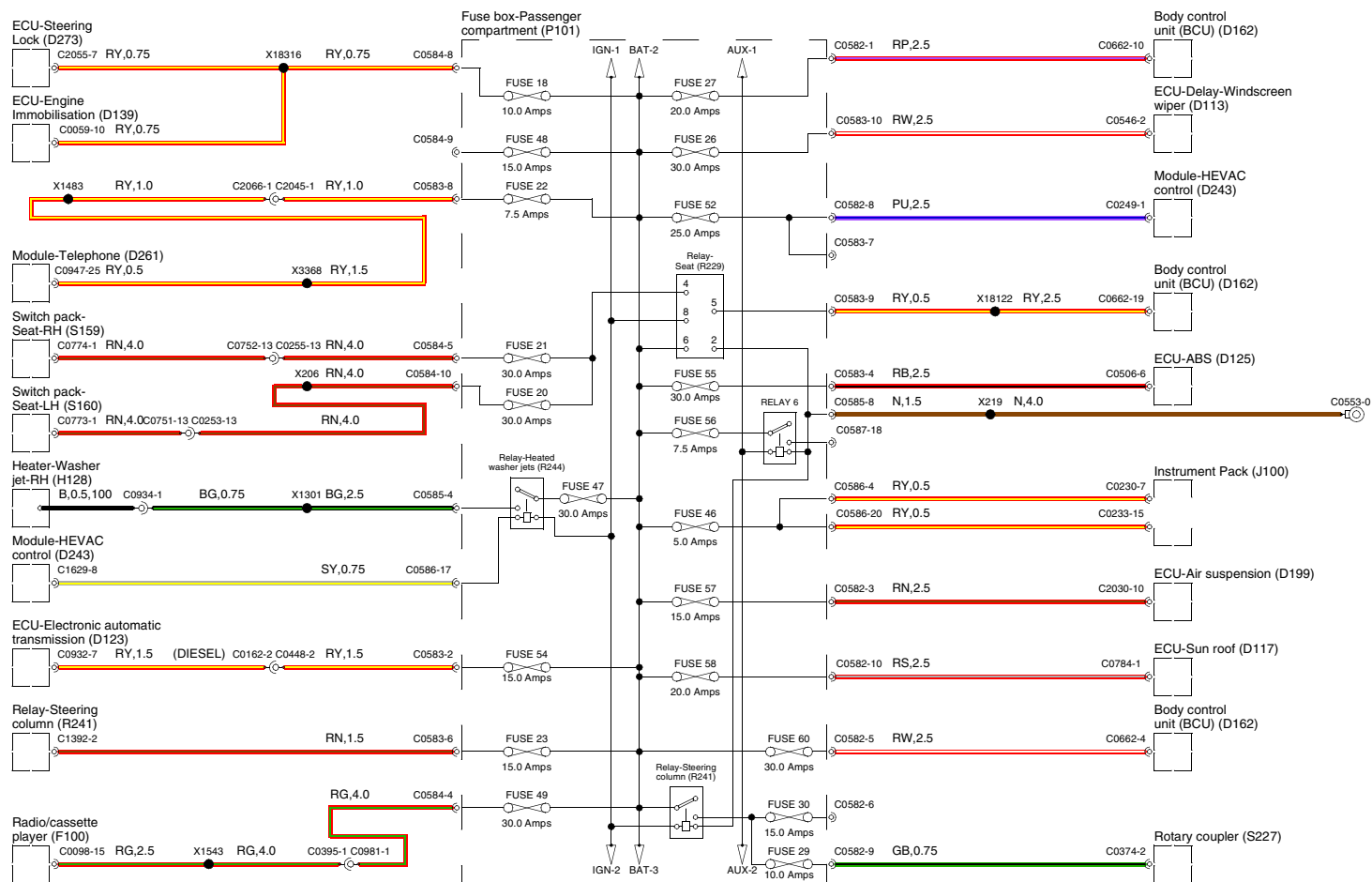


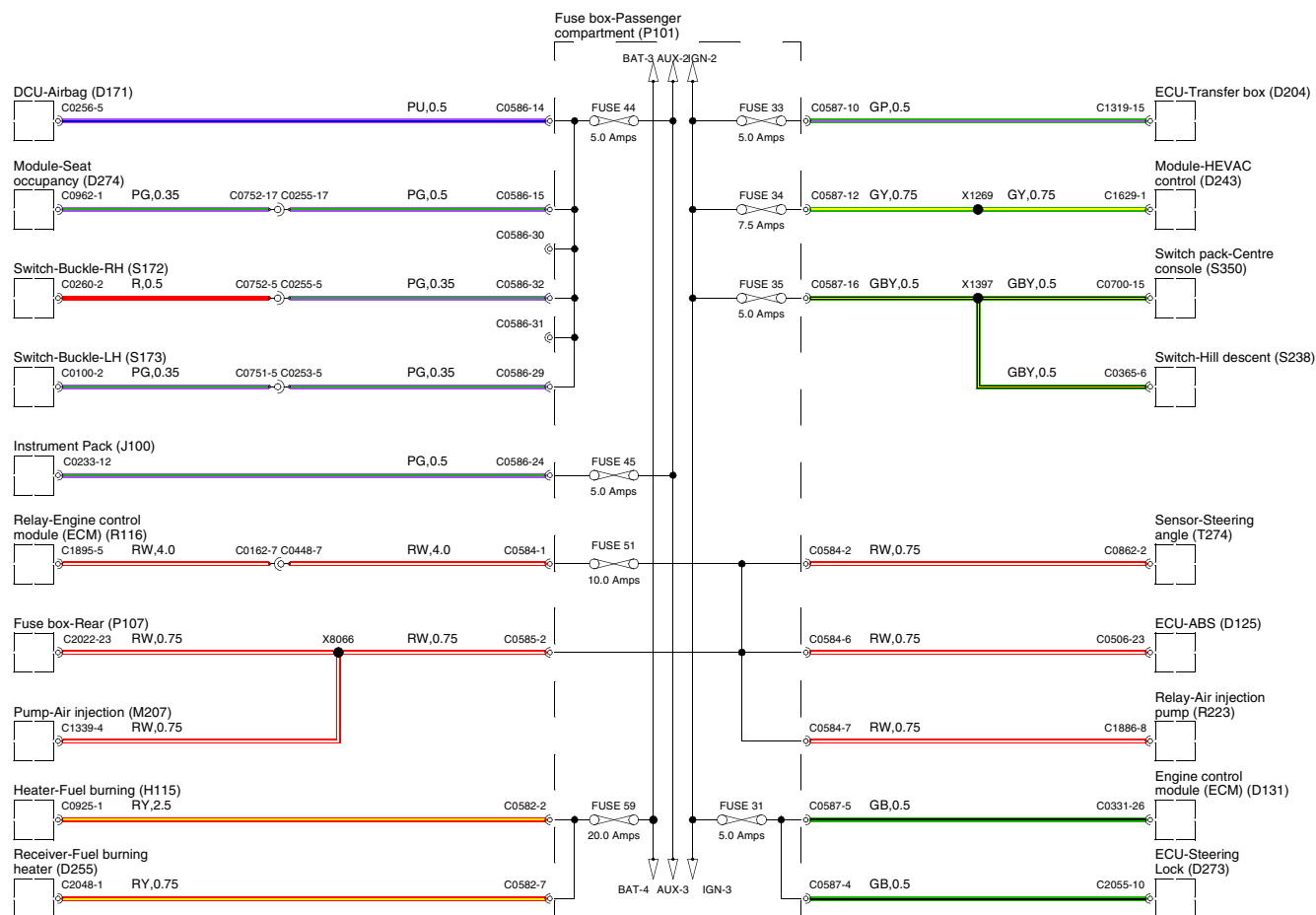


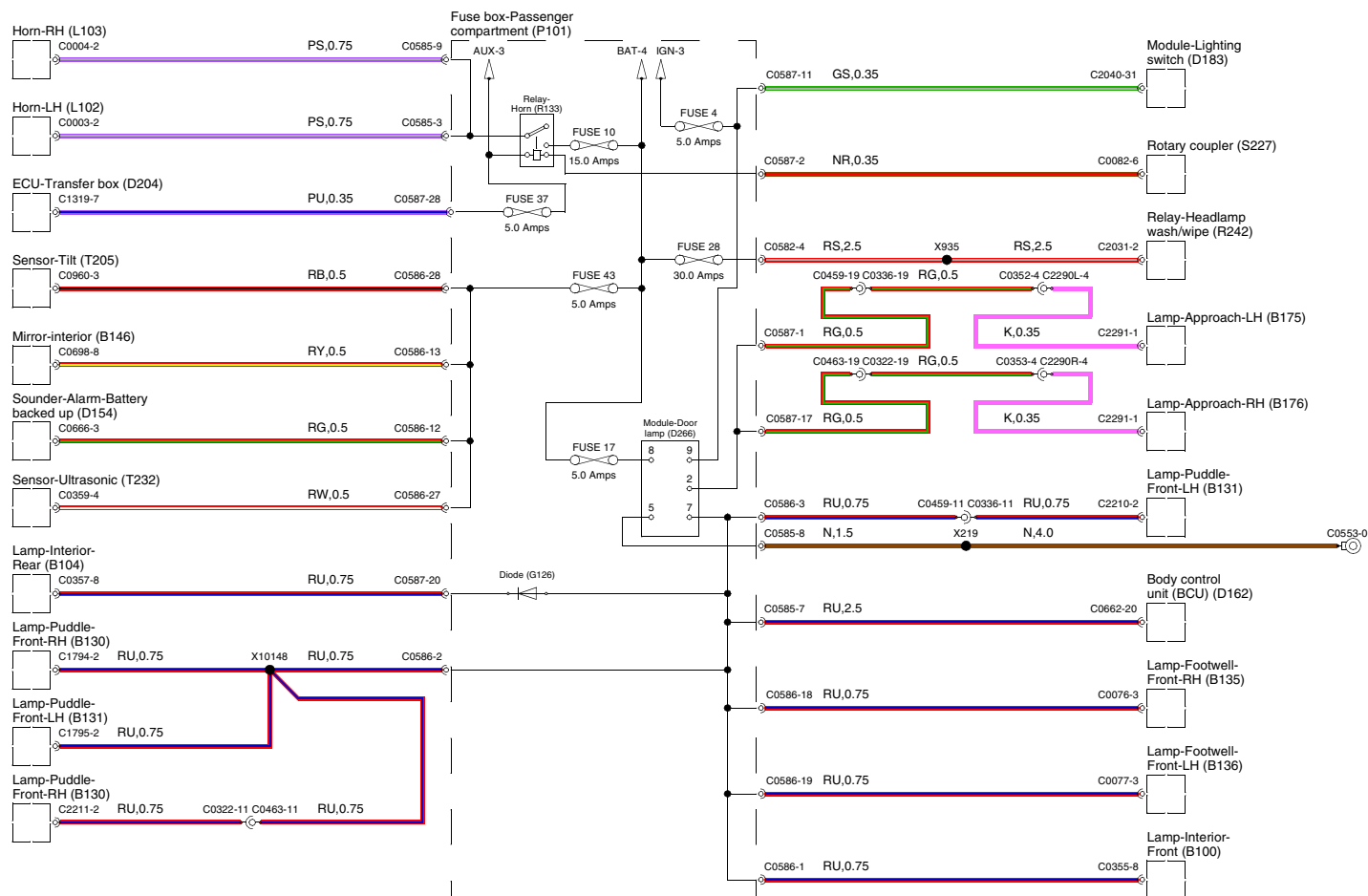
1 POWER DISTRIBUTION Passenger Compartment Fuse Box

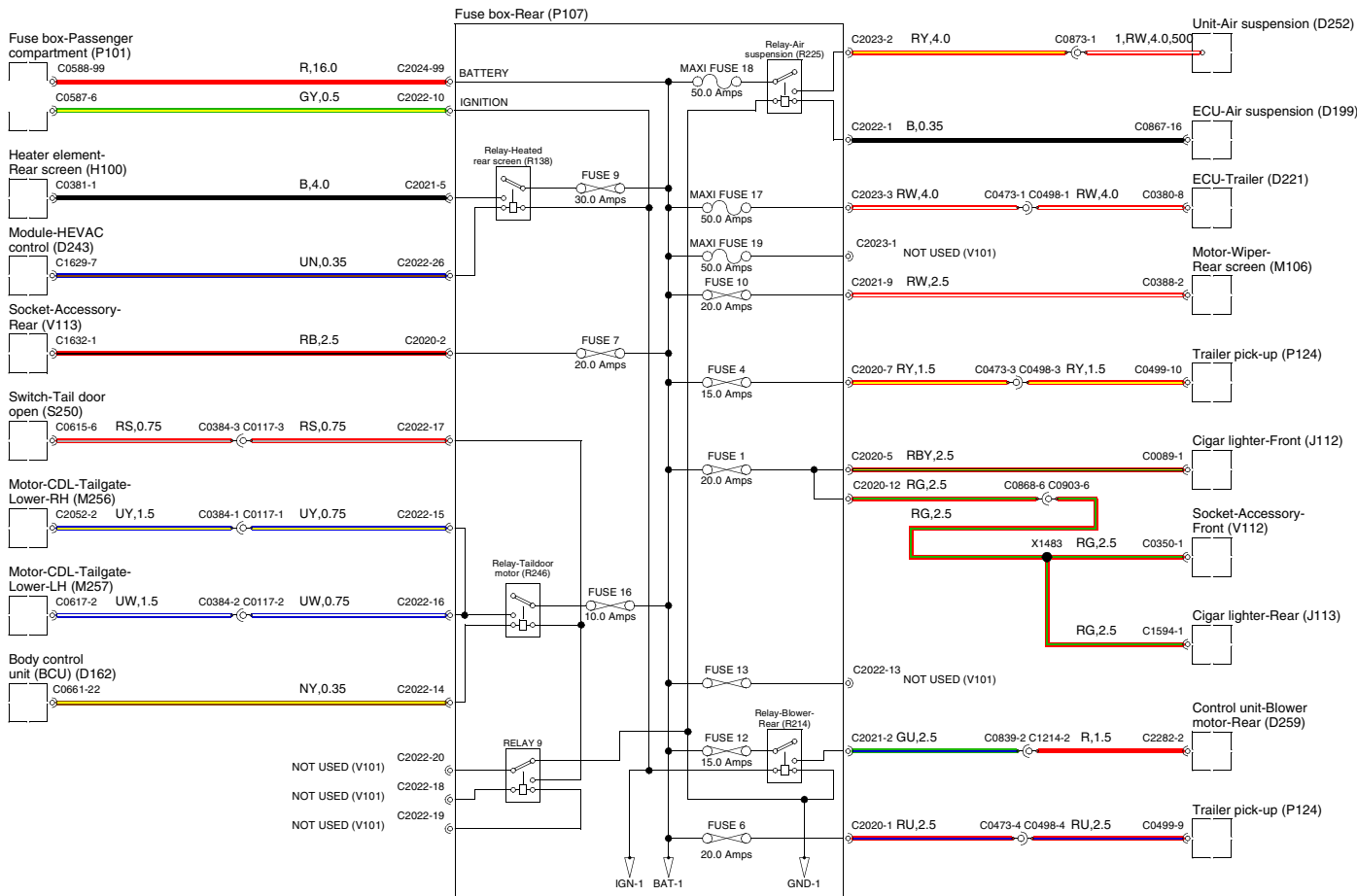
1 POWER DISTRIBUTION Passenger Compartment Fuse Box

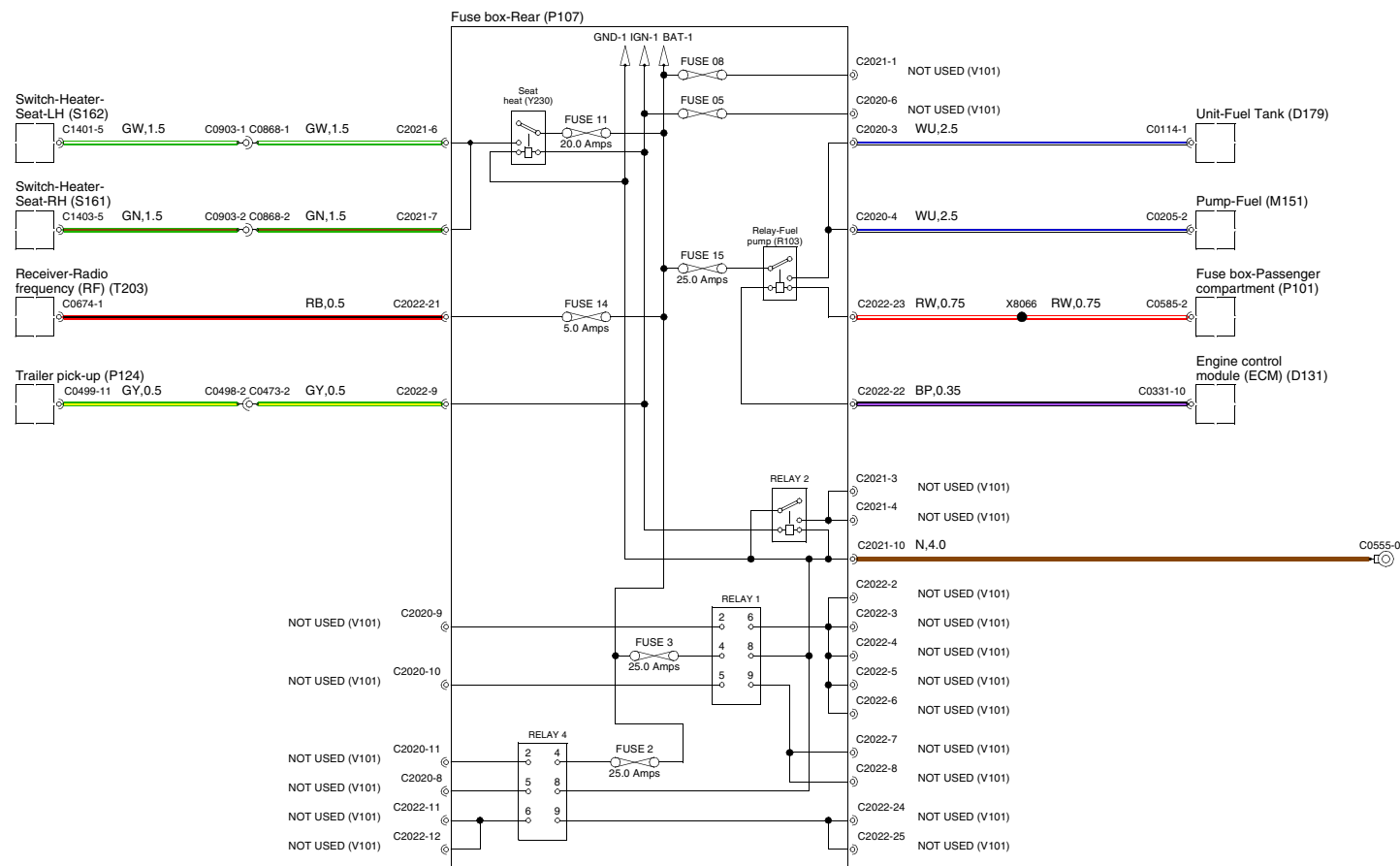




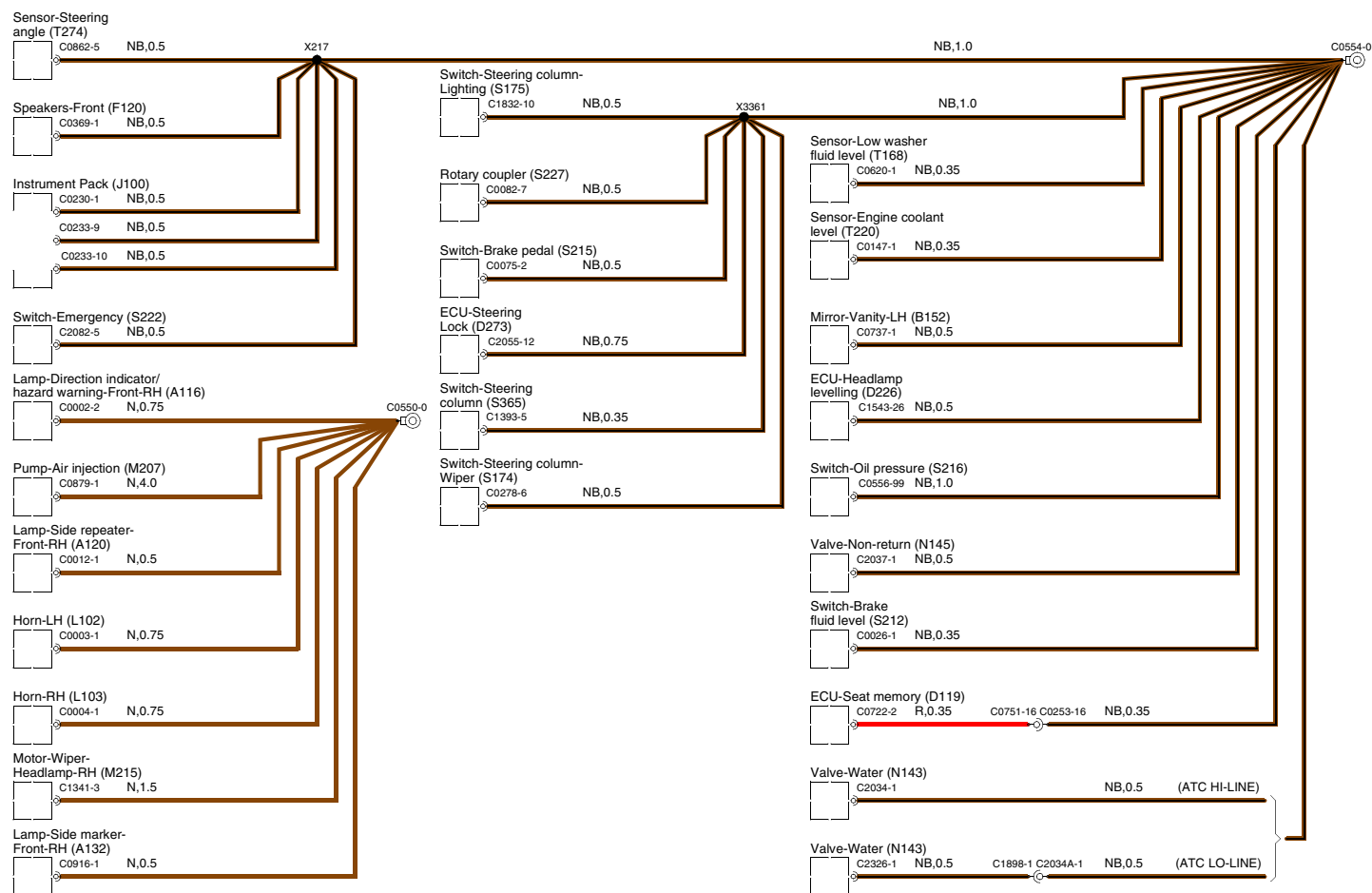




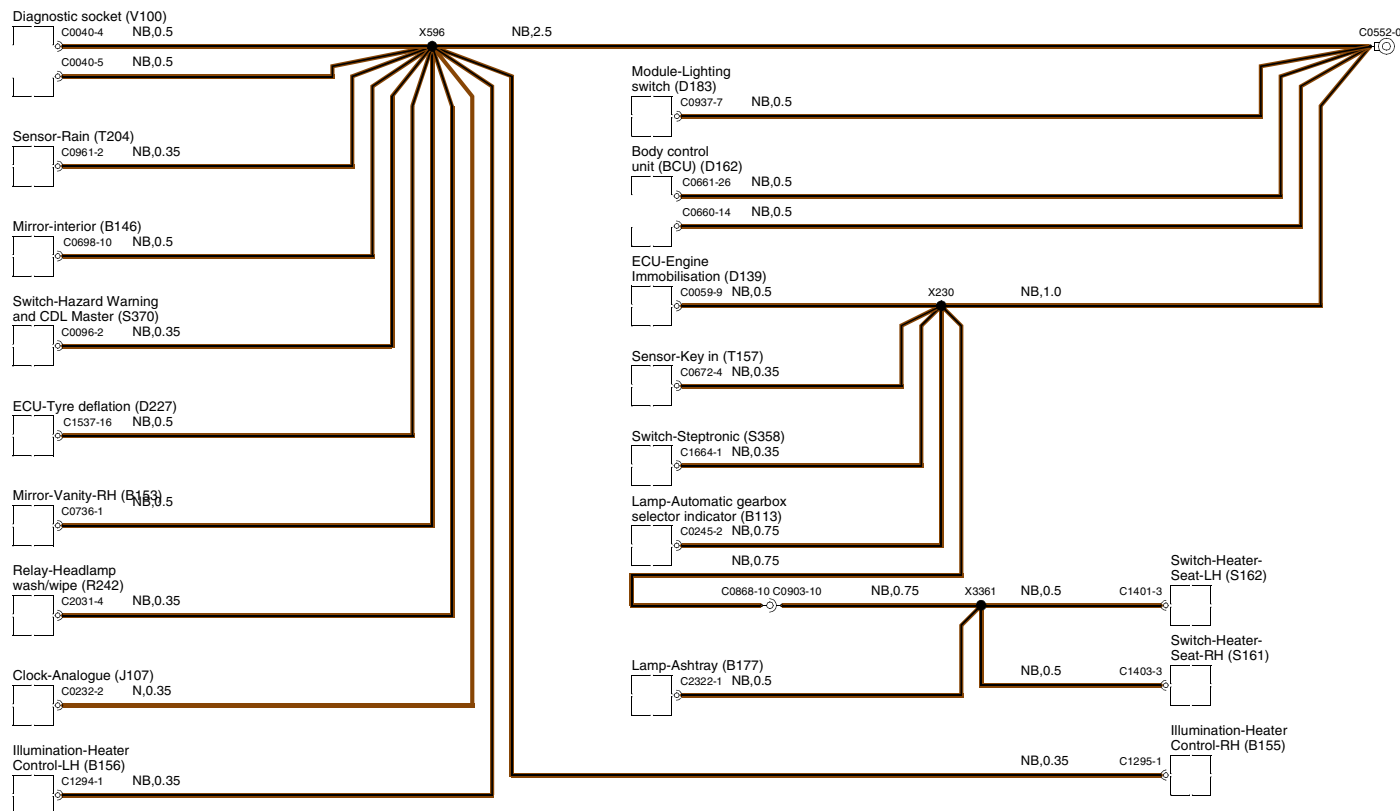




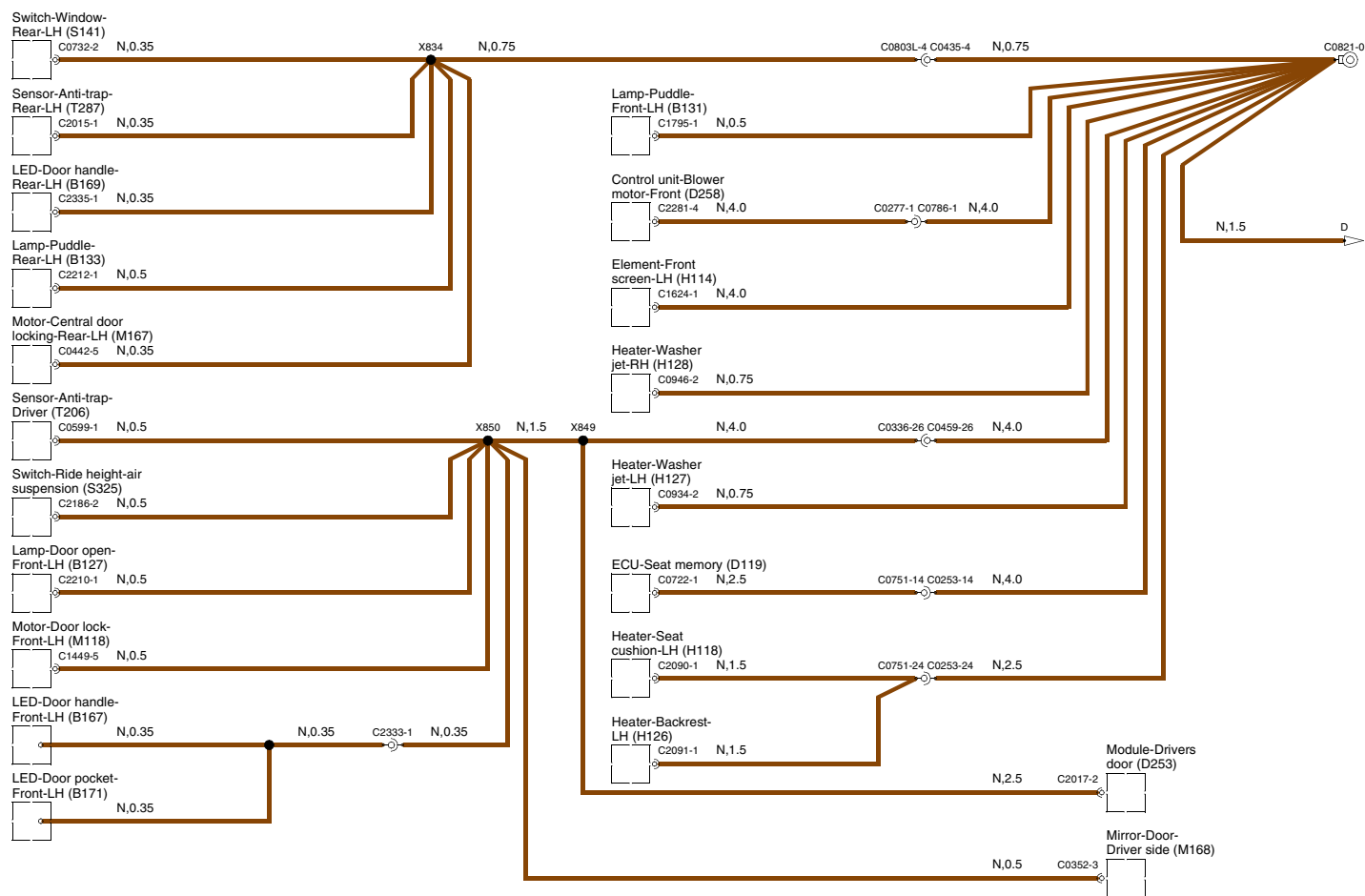
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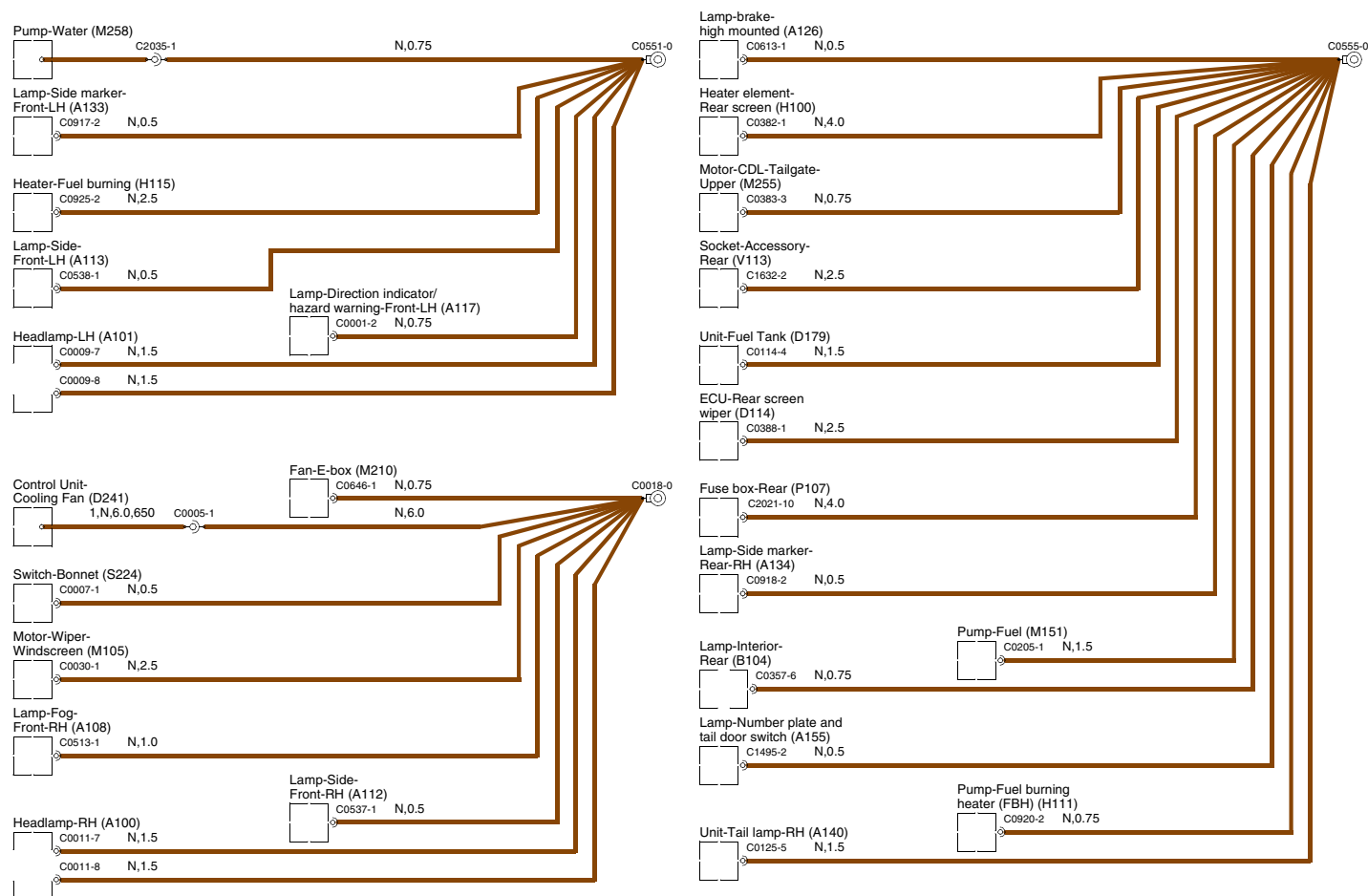
2 EARTH DISTRIBUTION



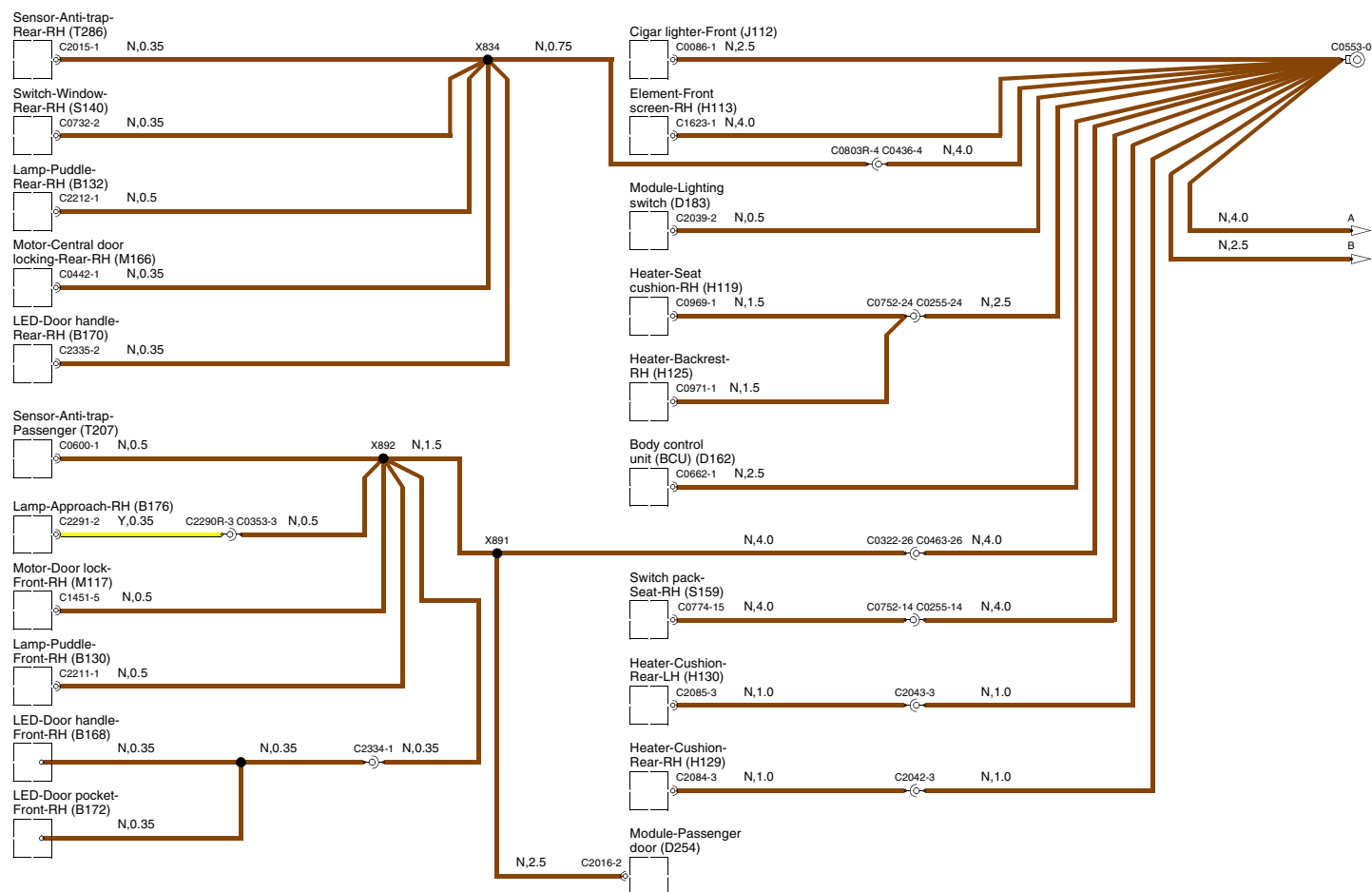
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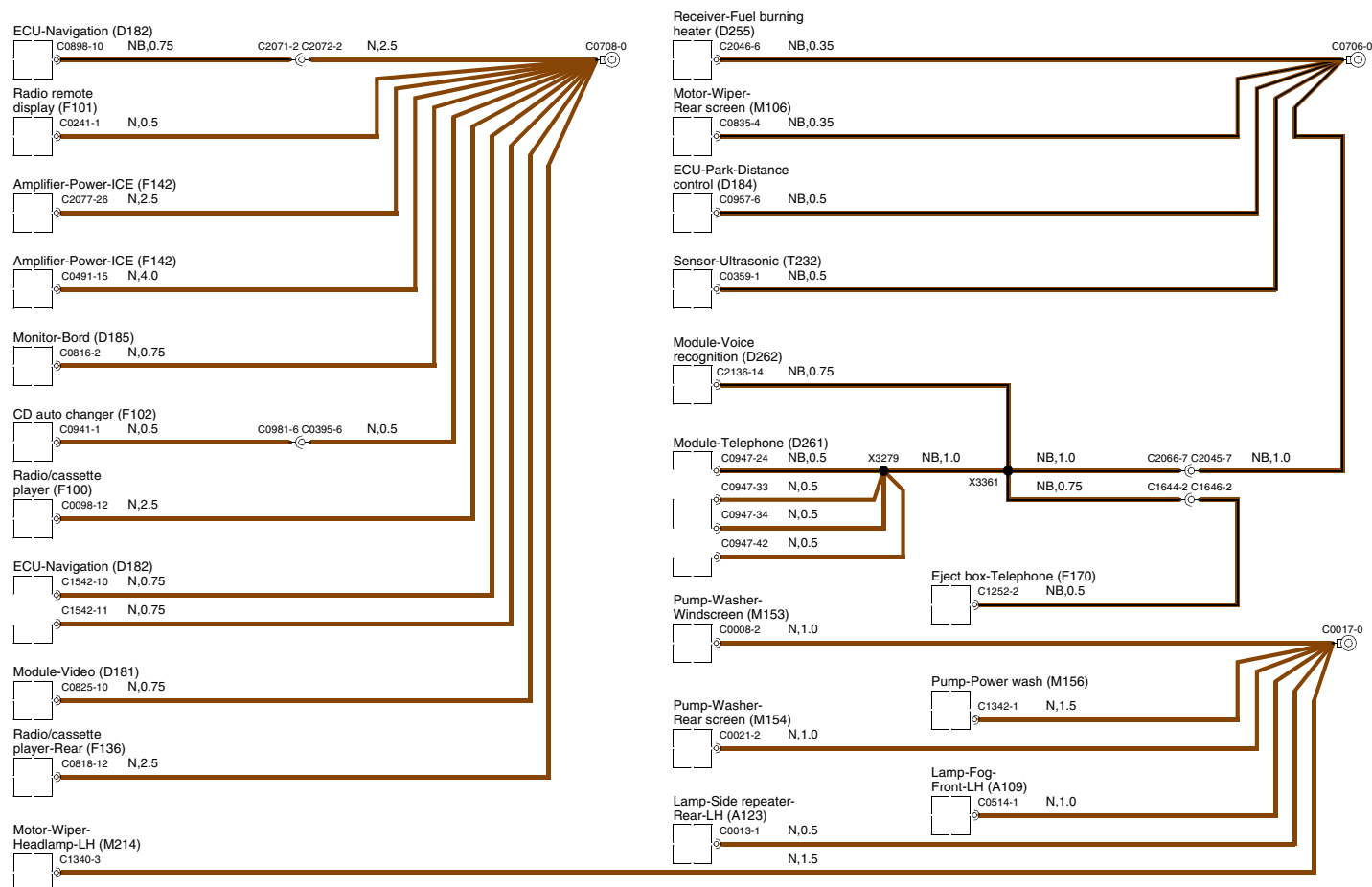


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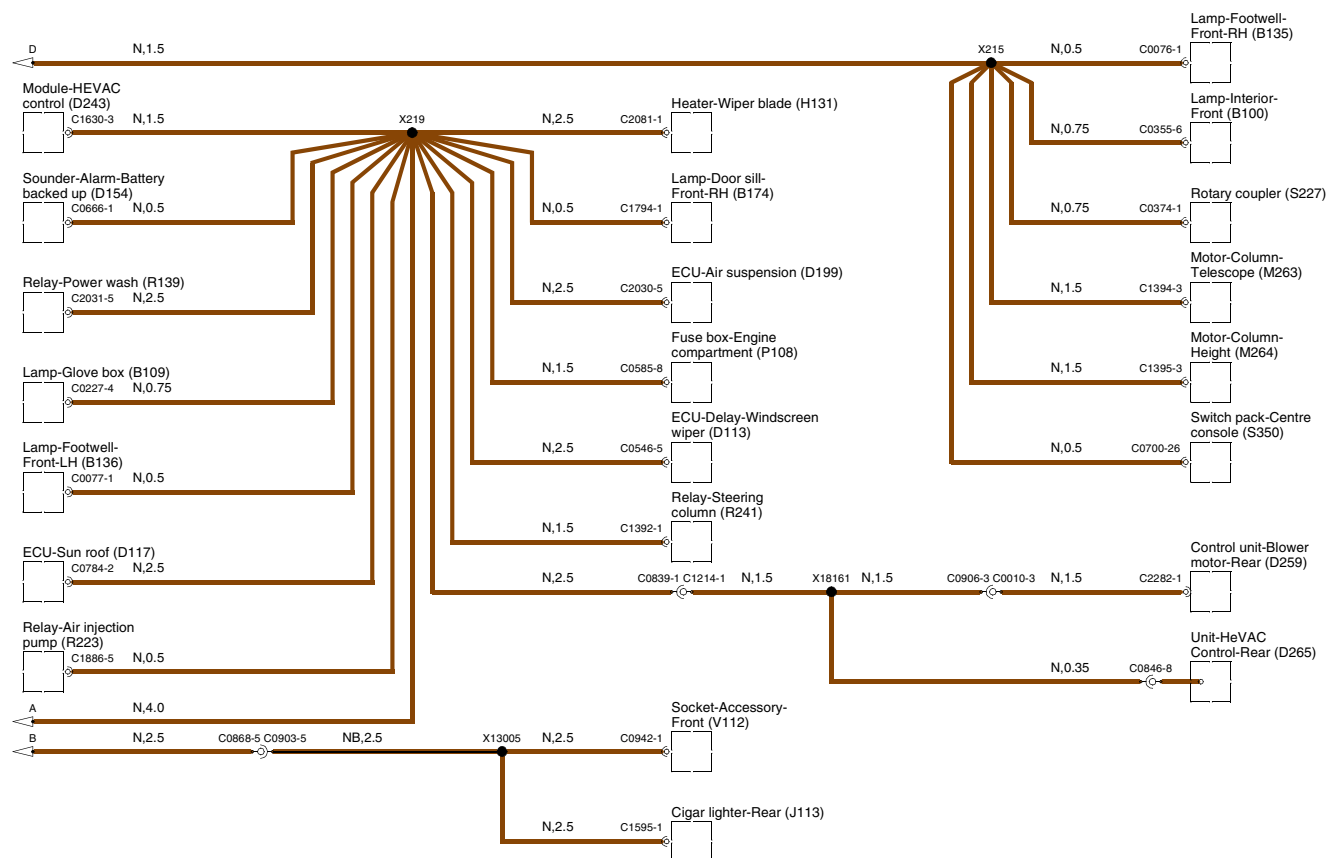


2 EARTH DISTRIBUTION

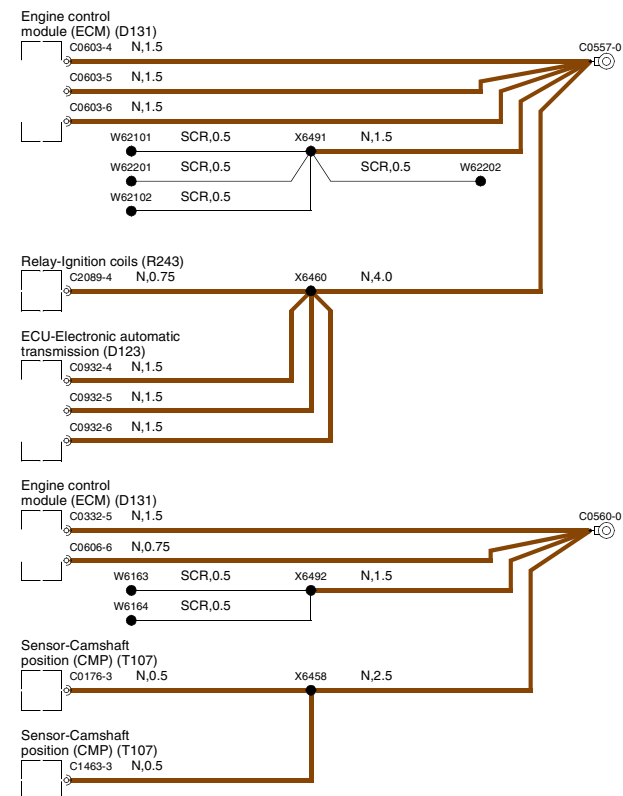
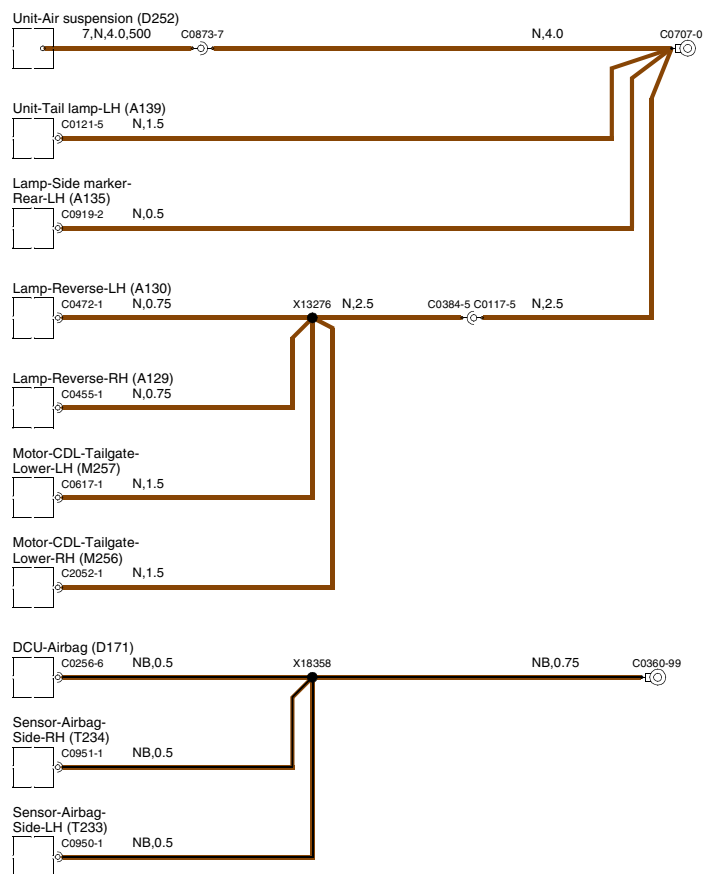




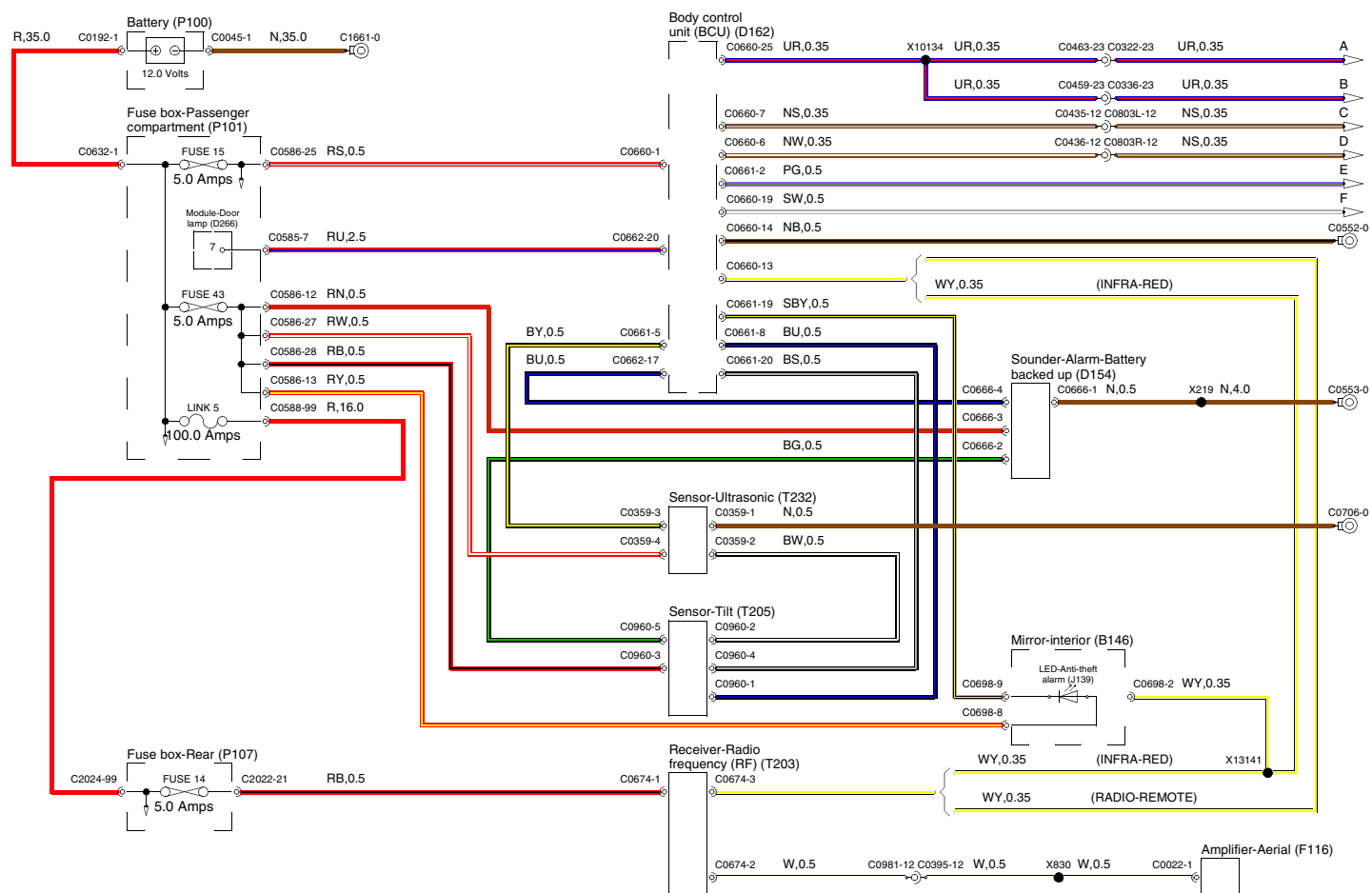
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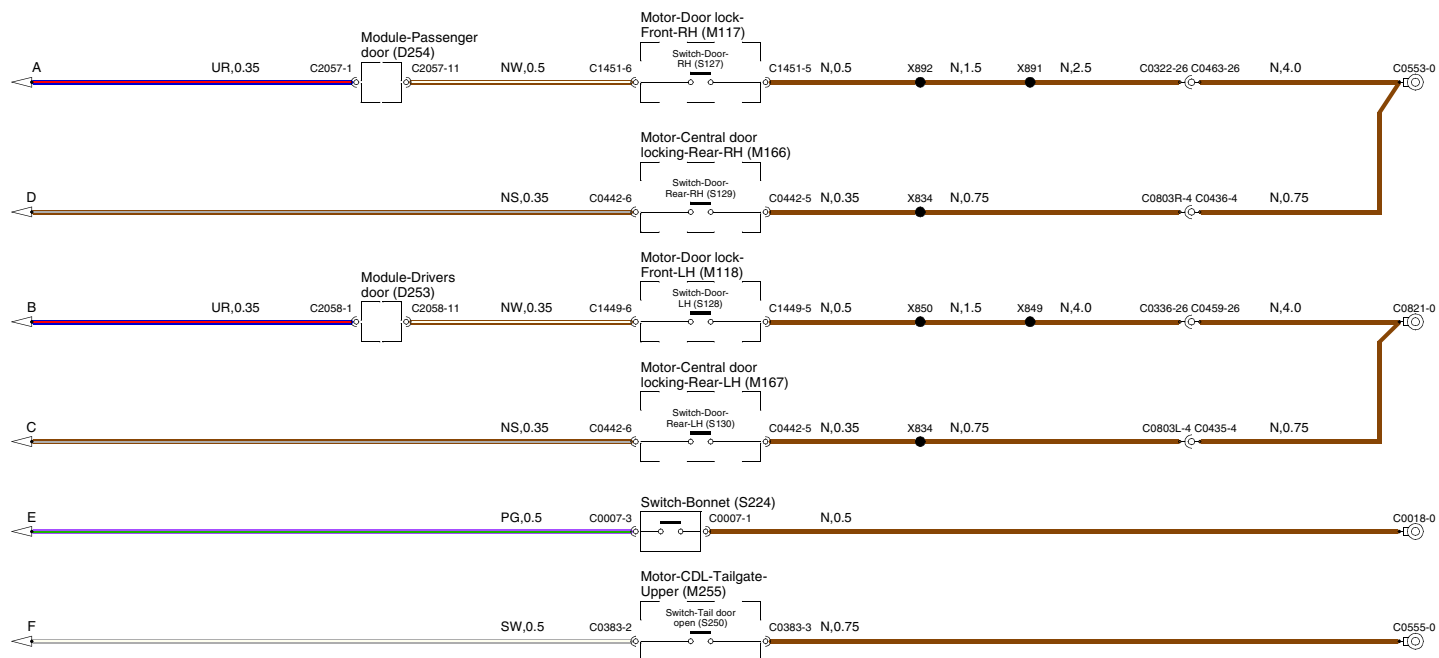
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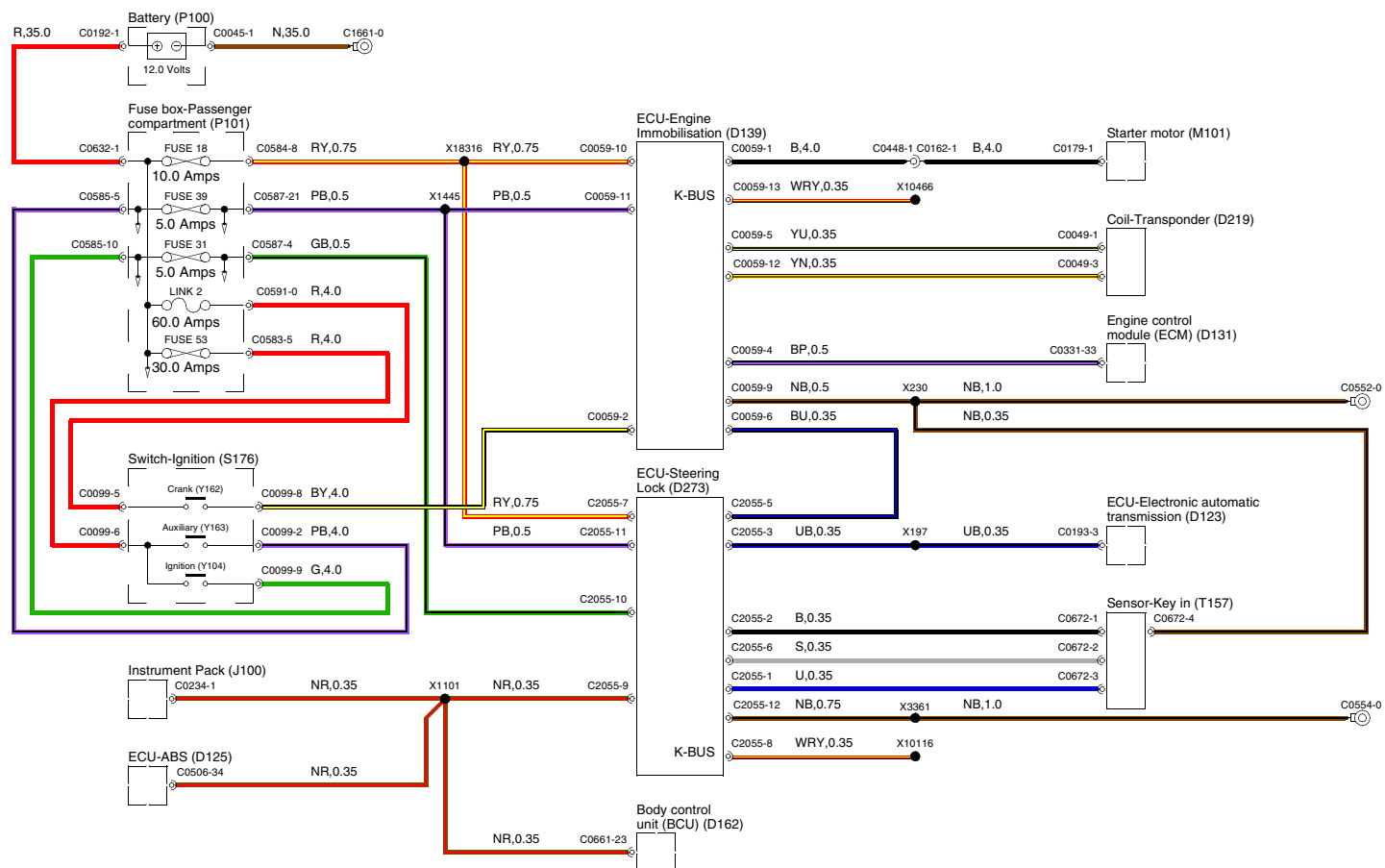


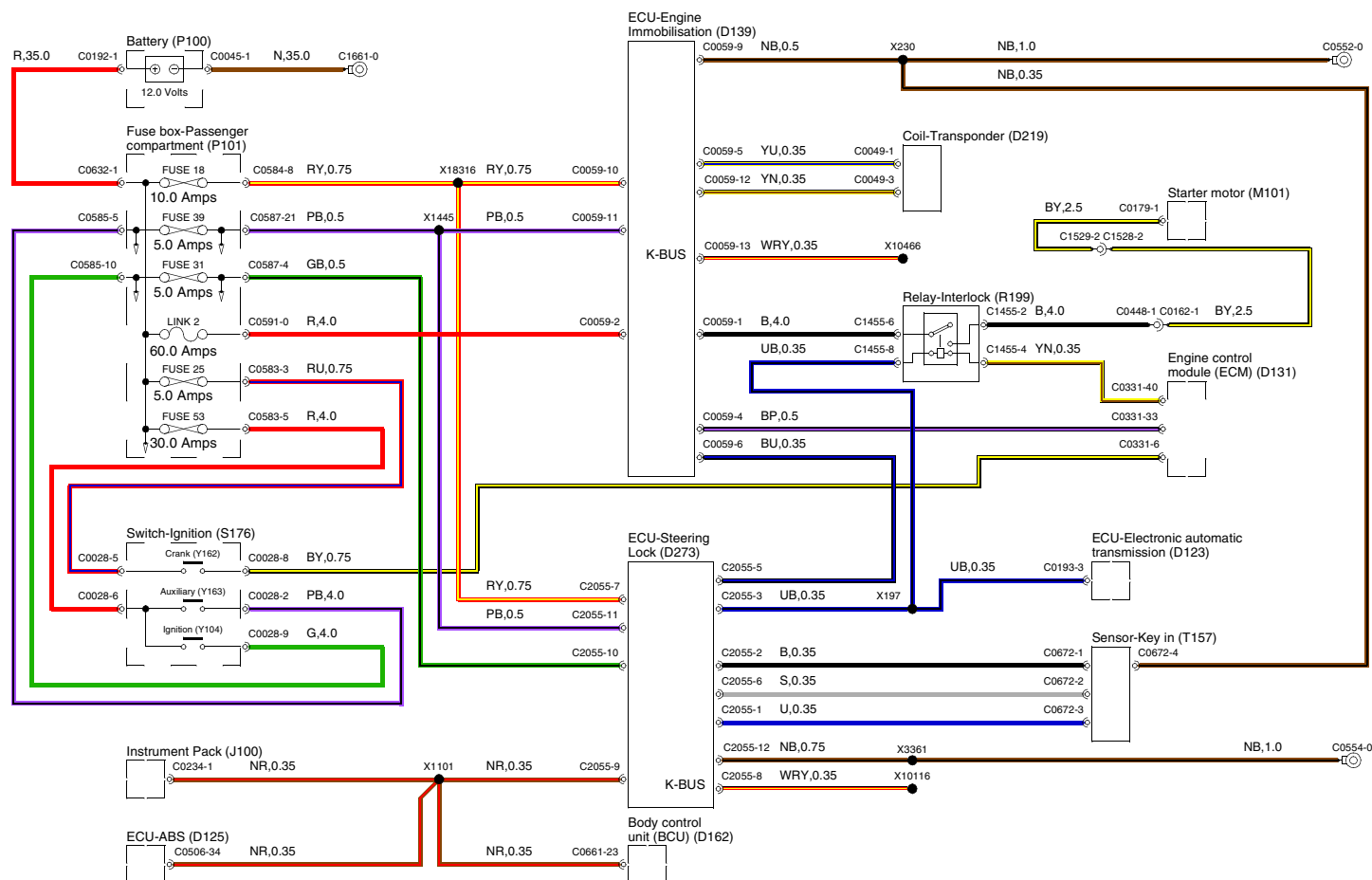
3 ANTI-THEFT ALARM



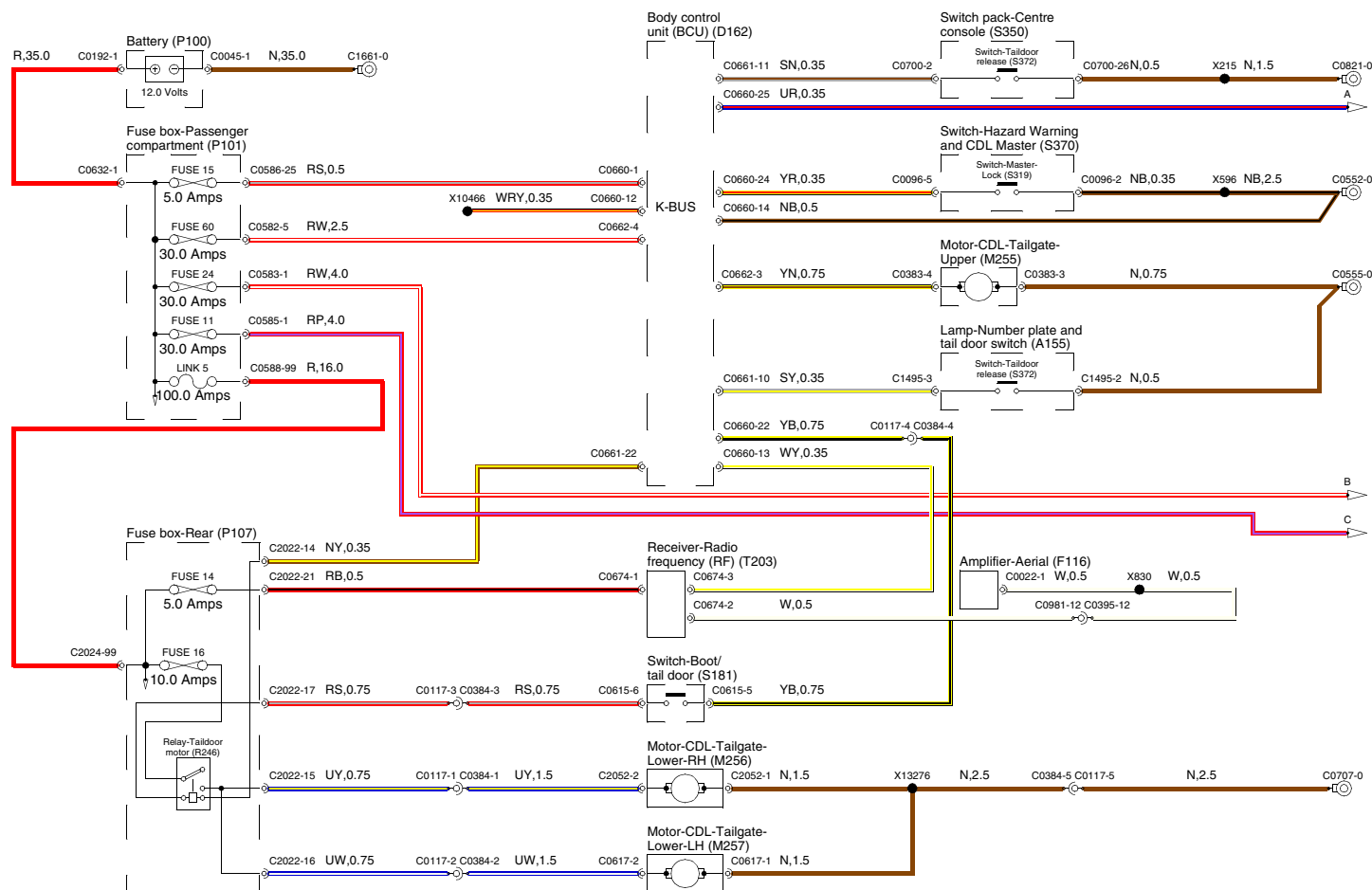
3 ANTI-THEFT ALARM



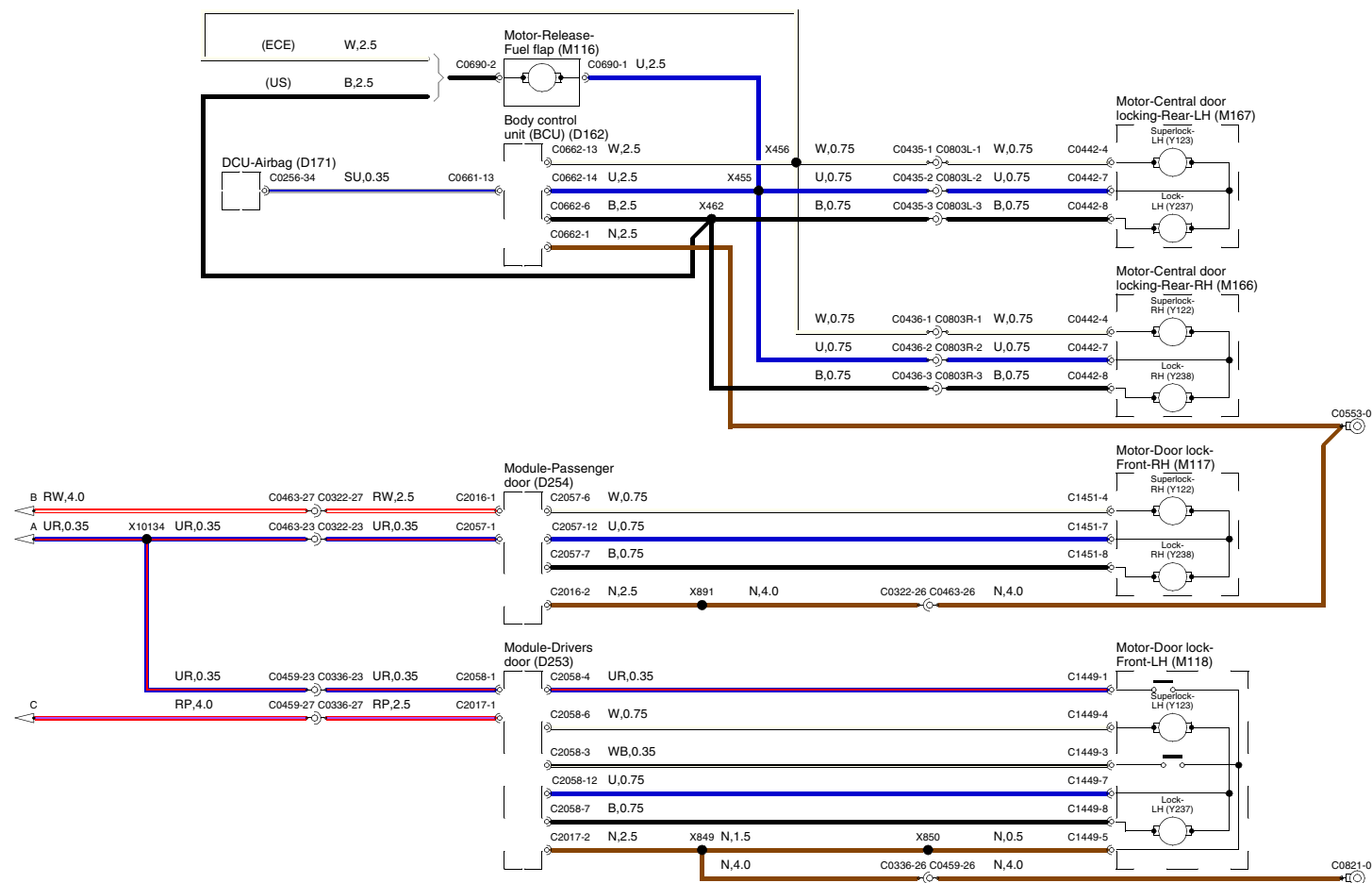


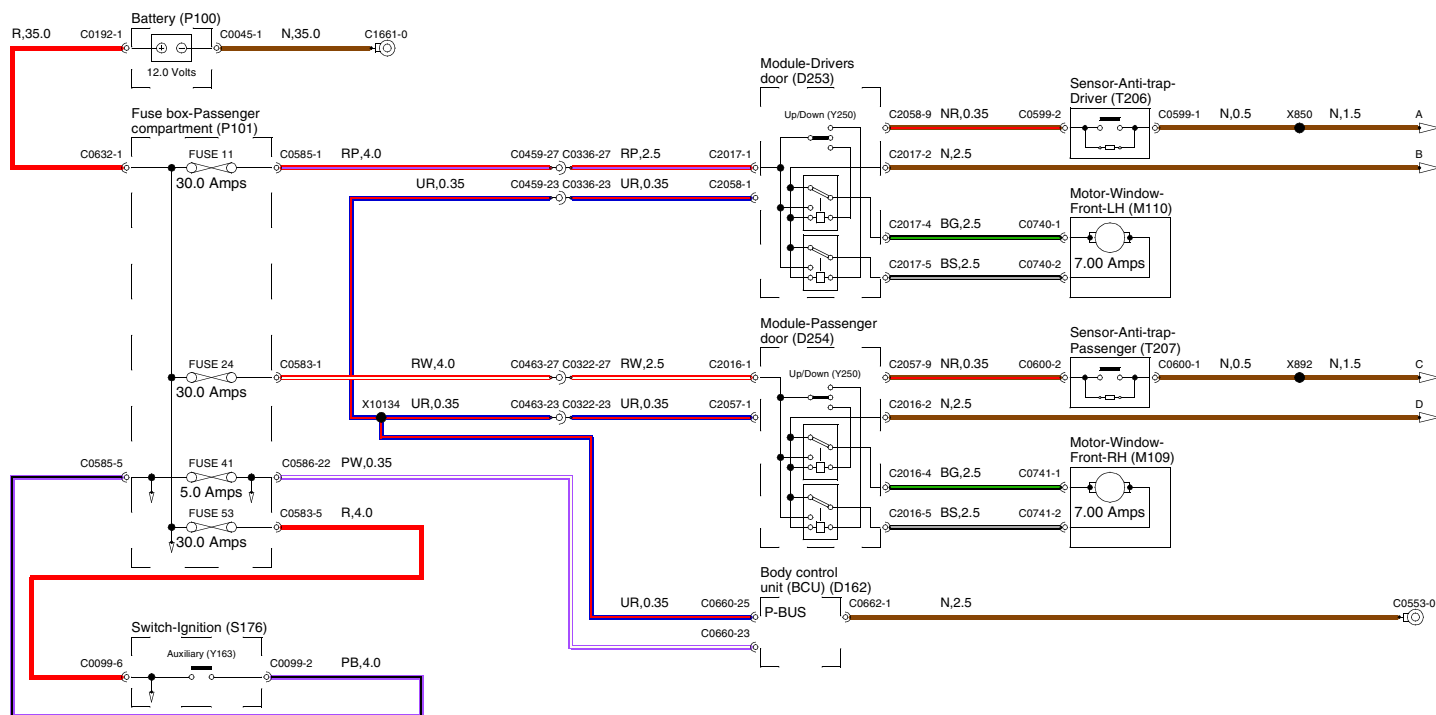


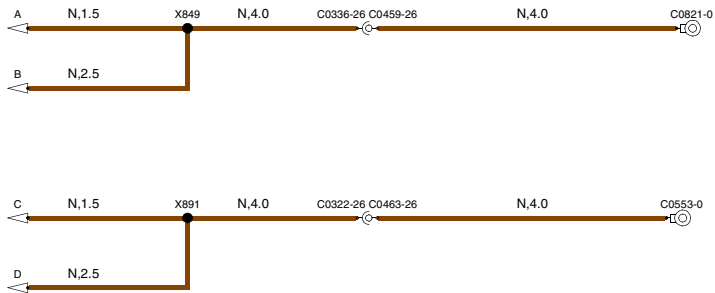
4 CENTRAL DOOR LOCKING

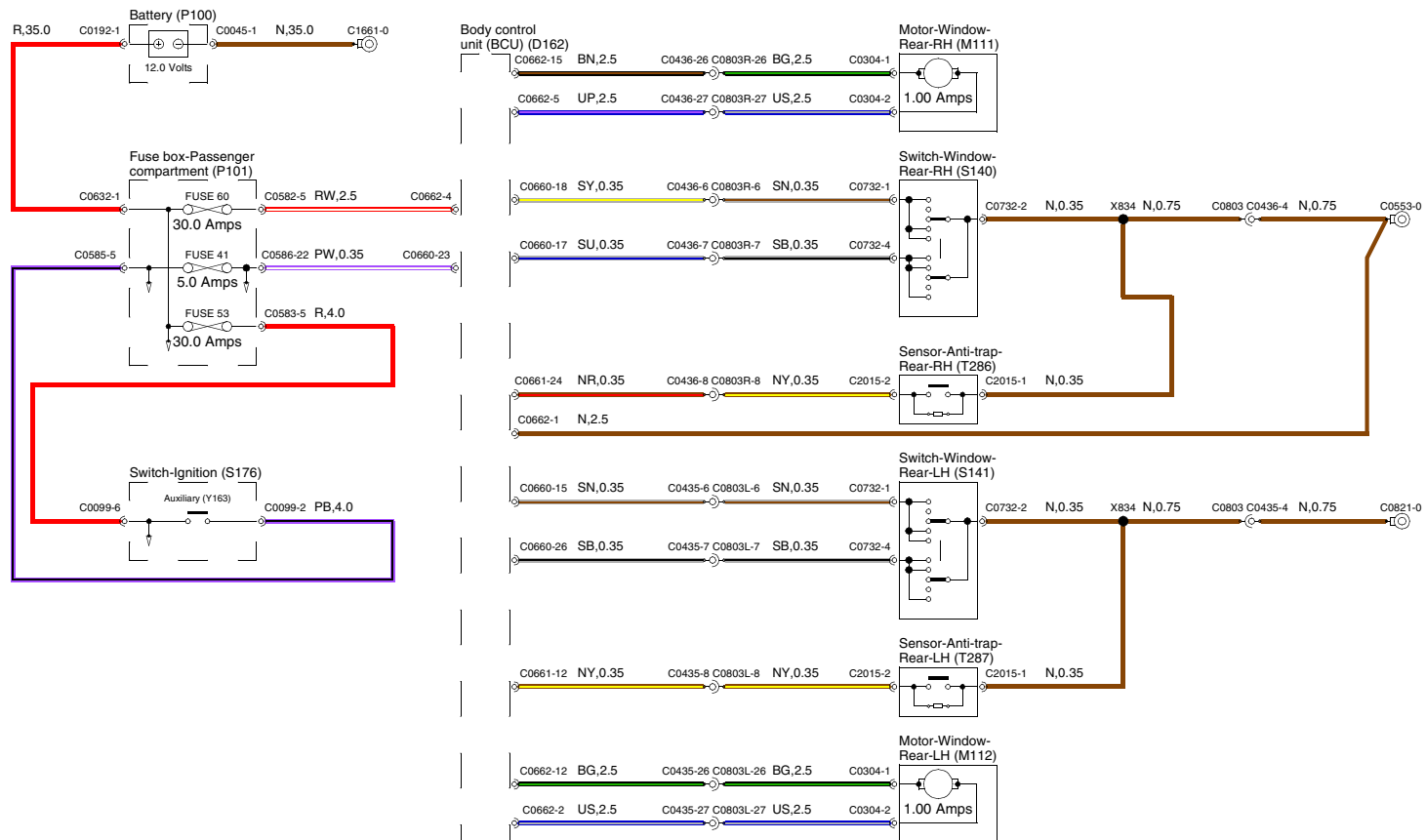


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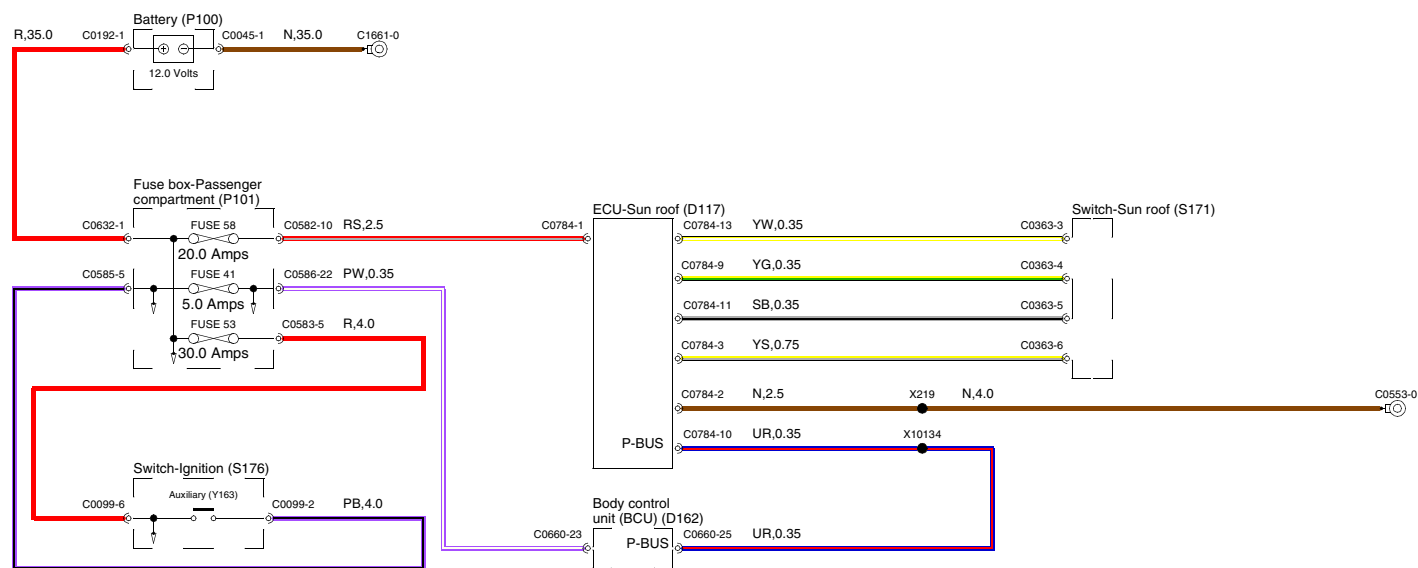




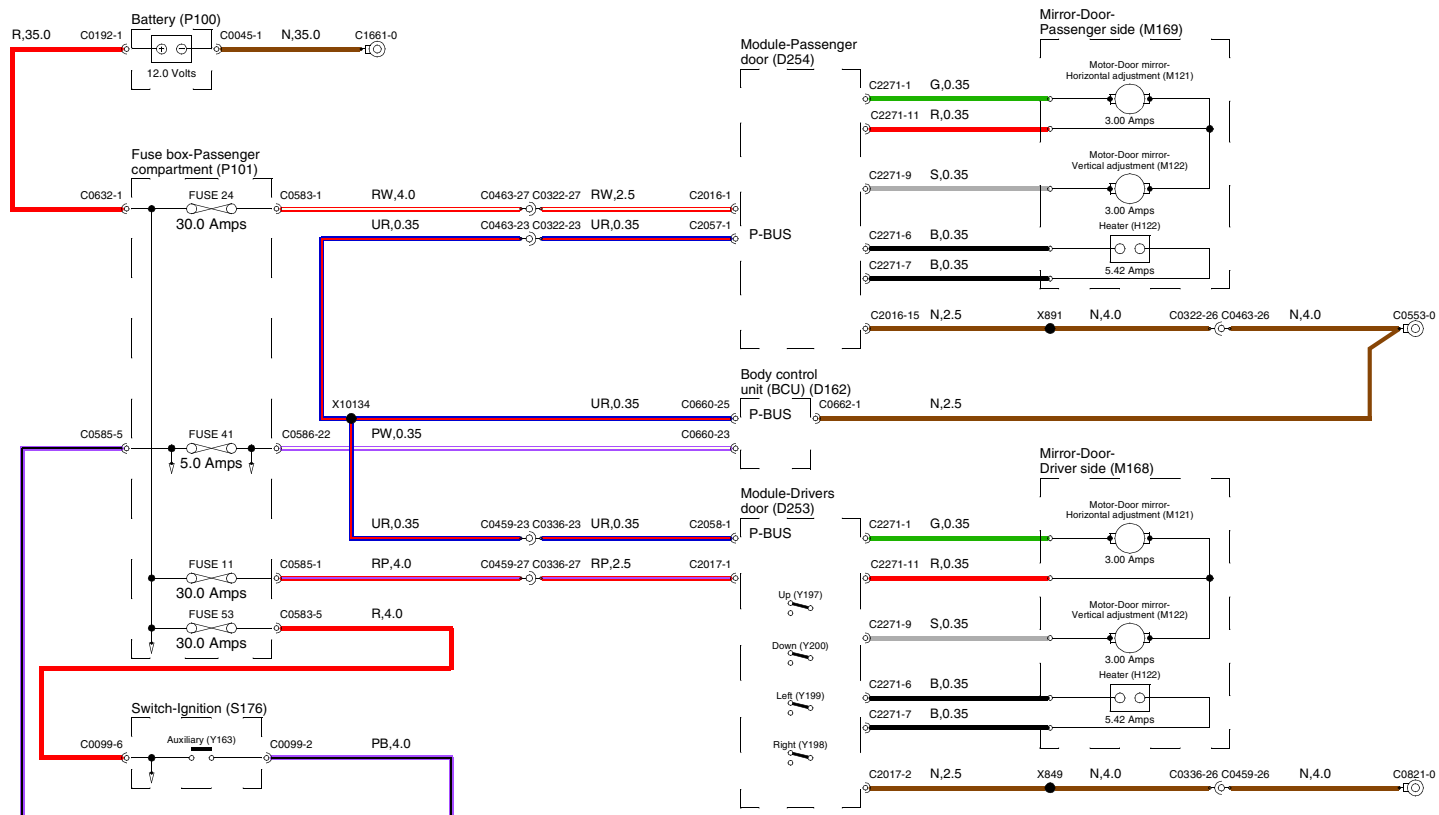


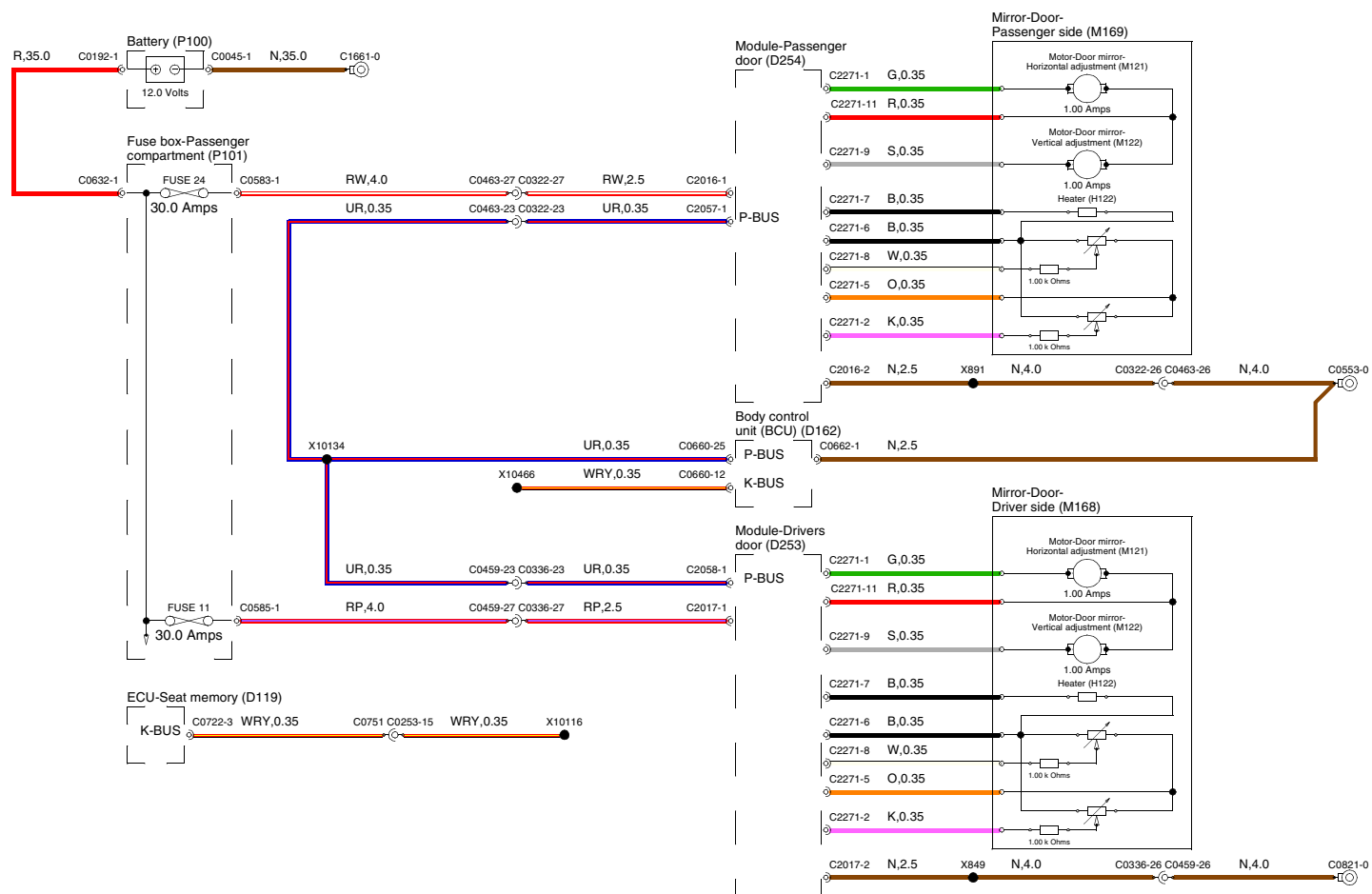


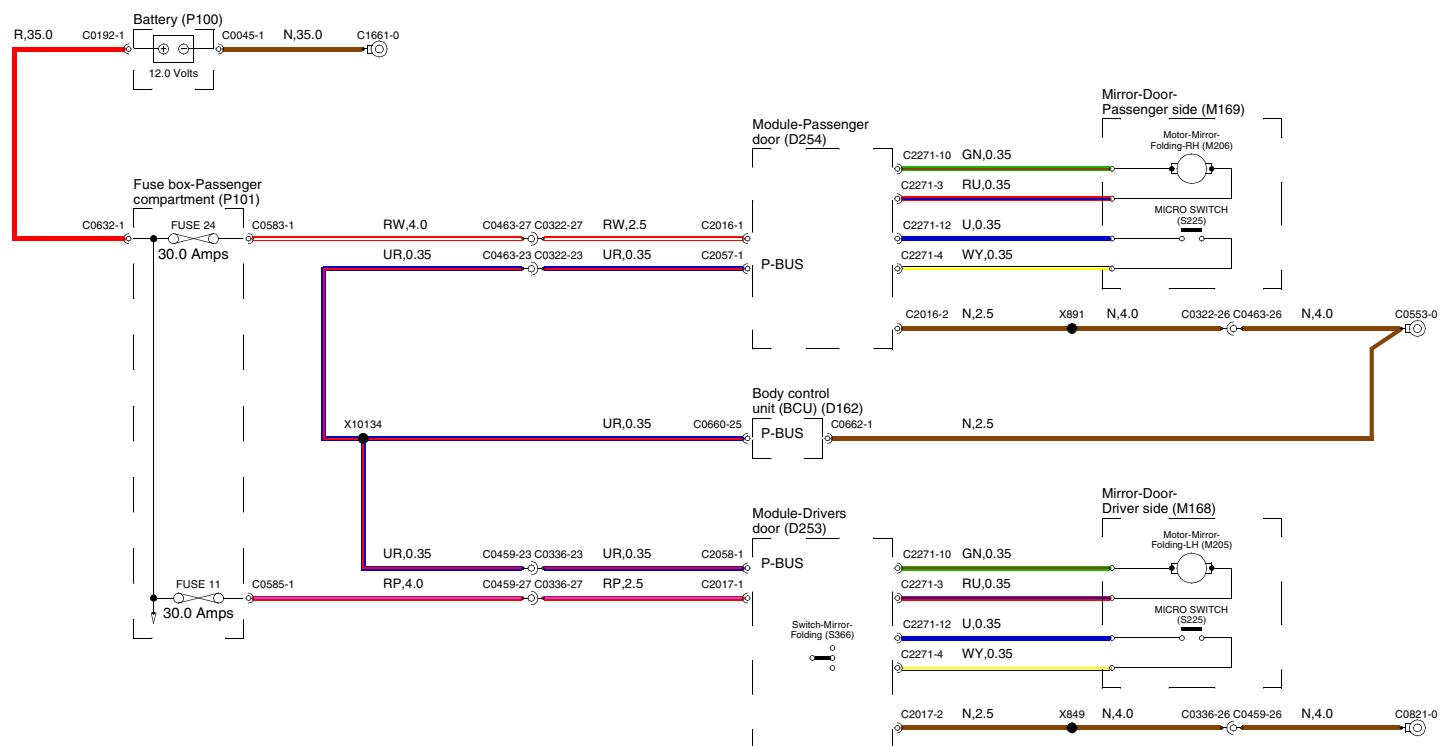
6 SUNROOF



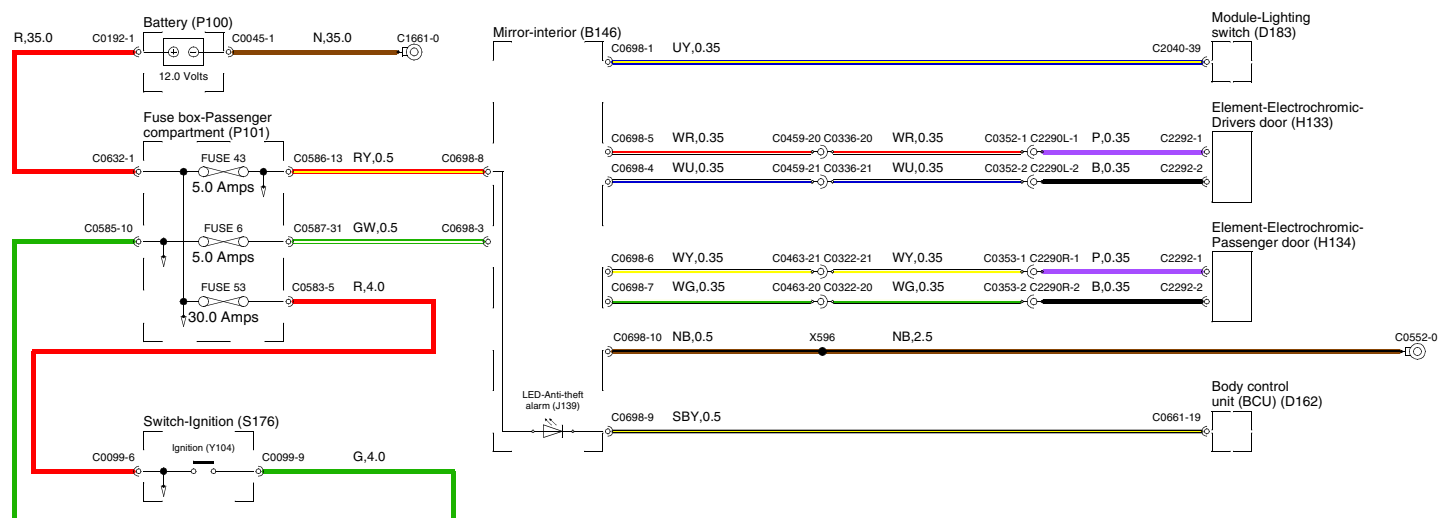
7 DOOR MIRRORS

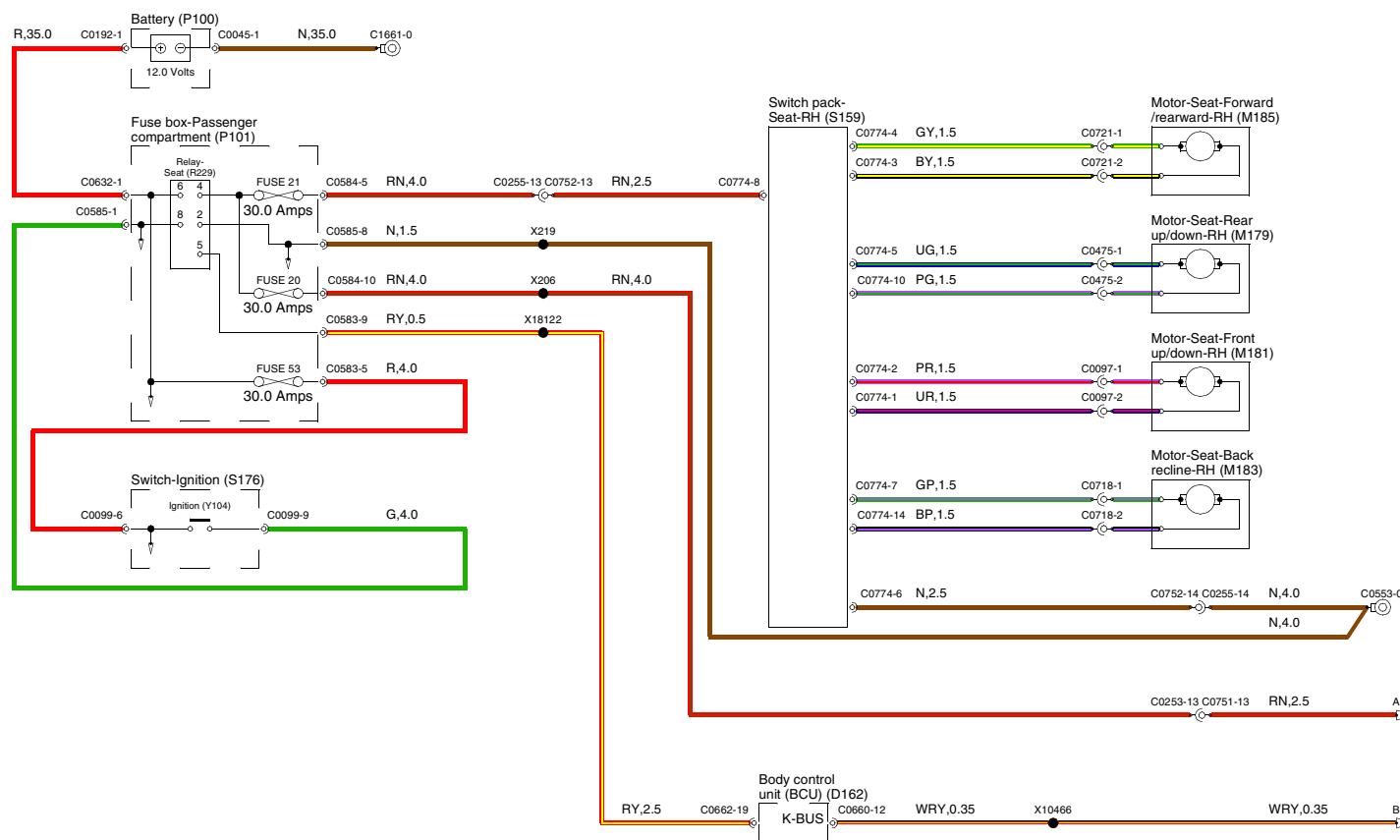


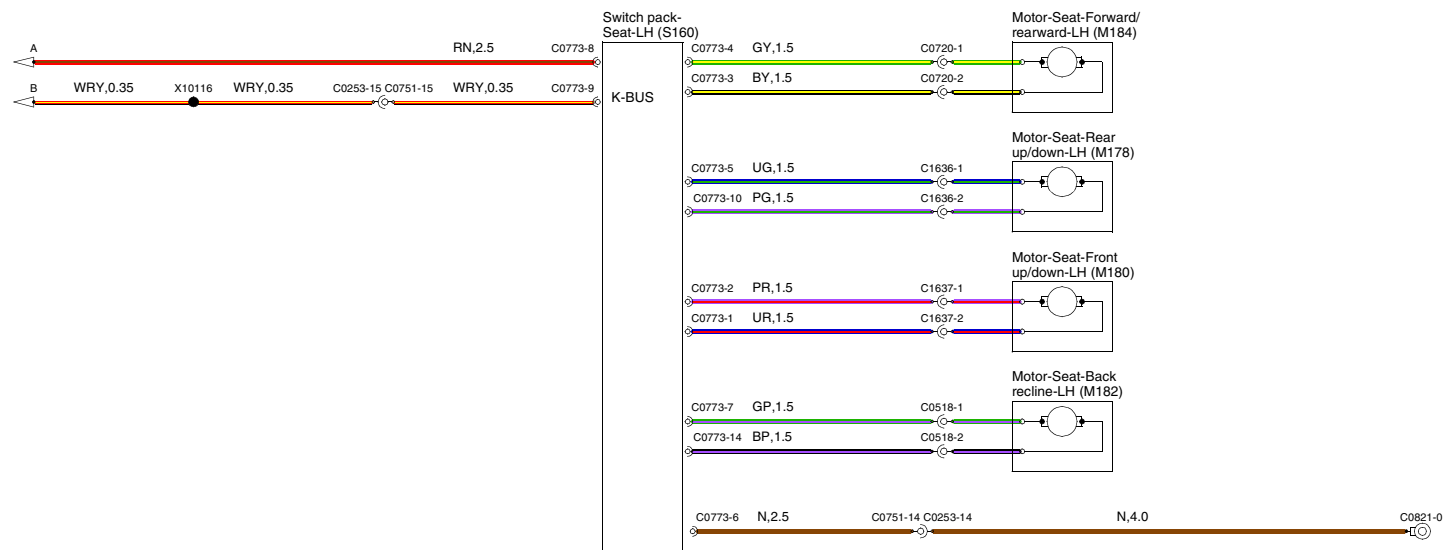


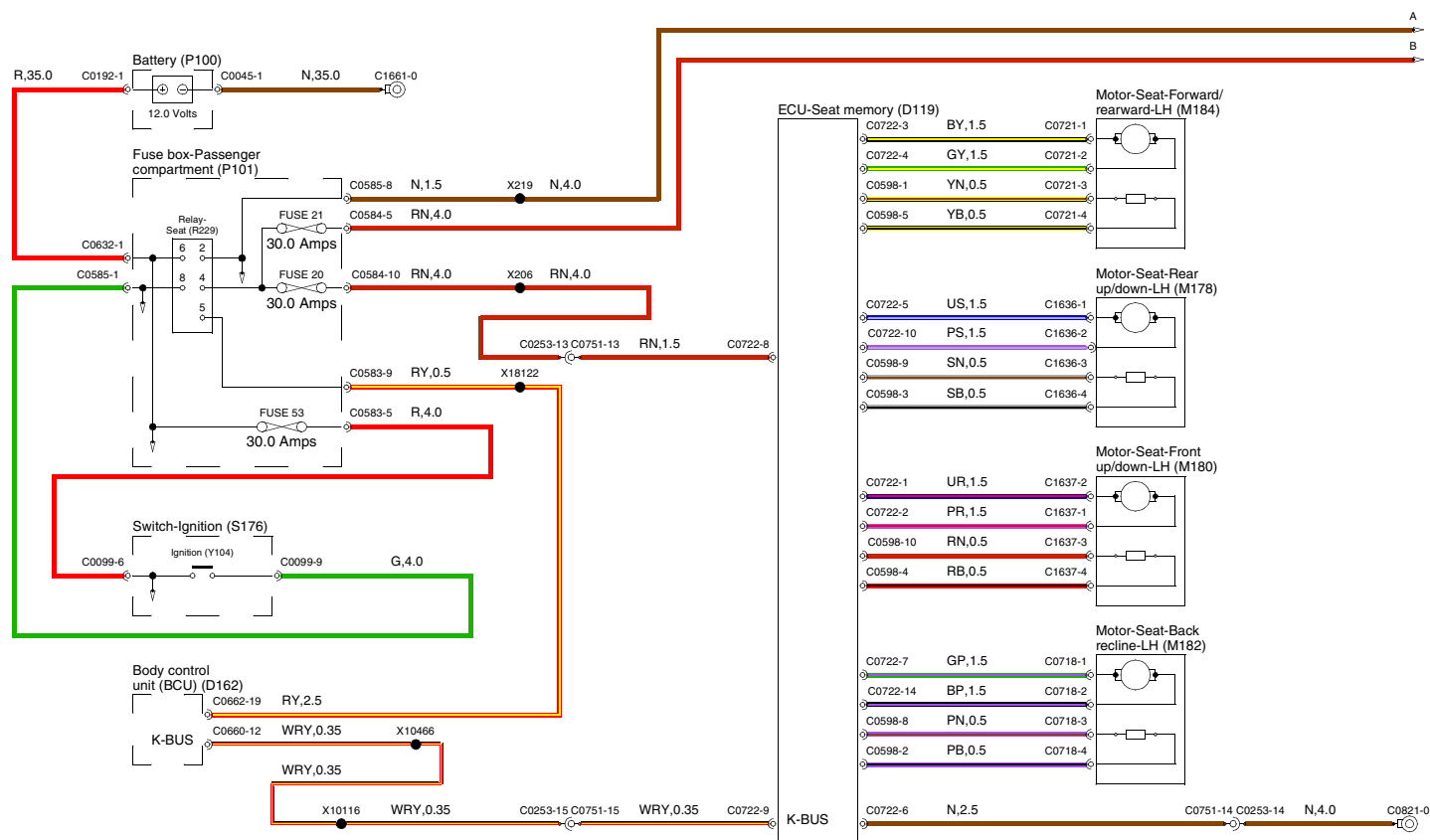


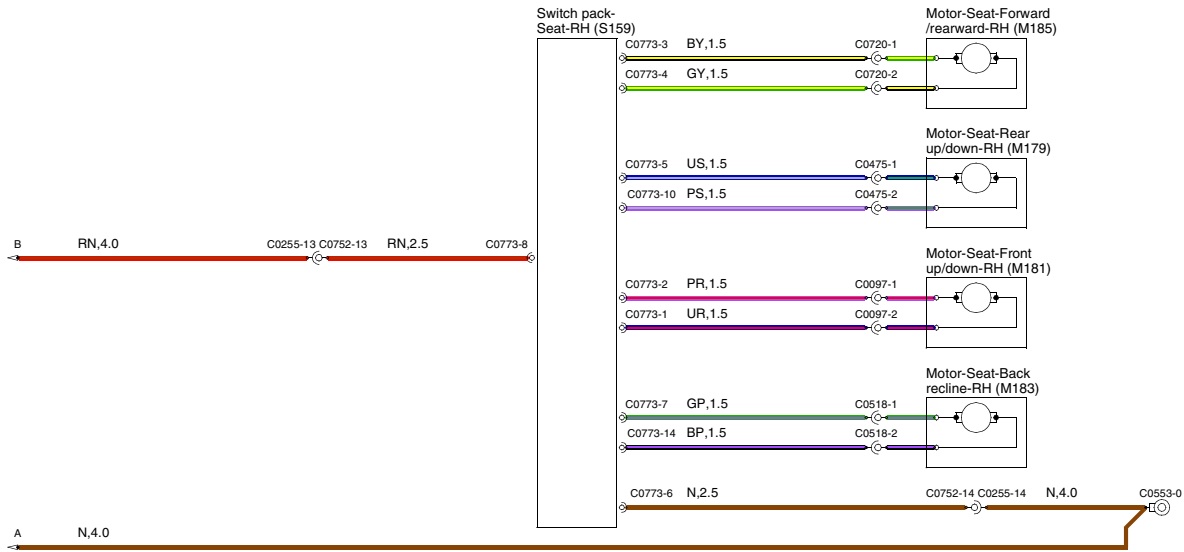
7 INTERIOR MIRROR

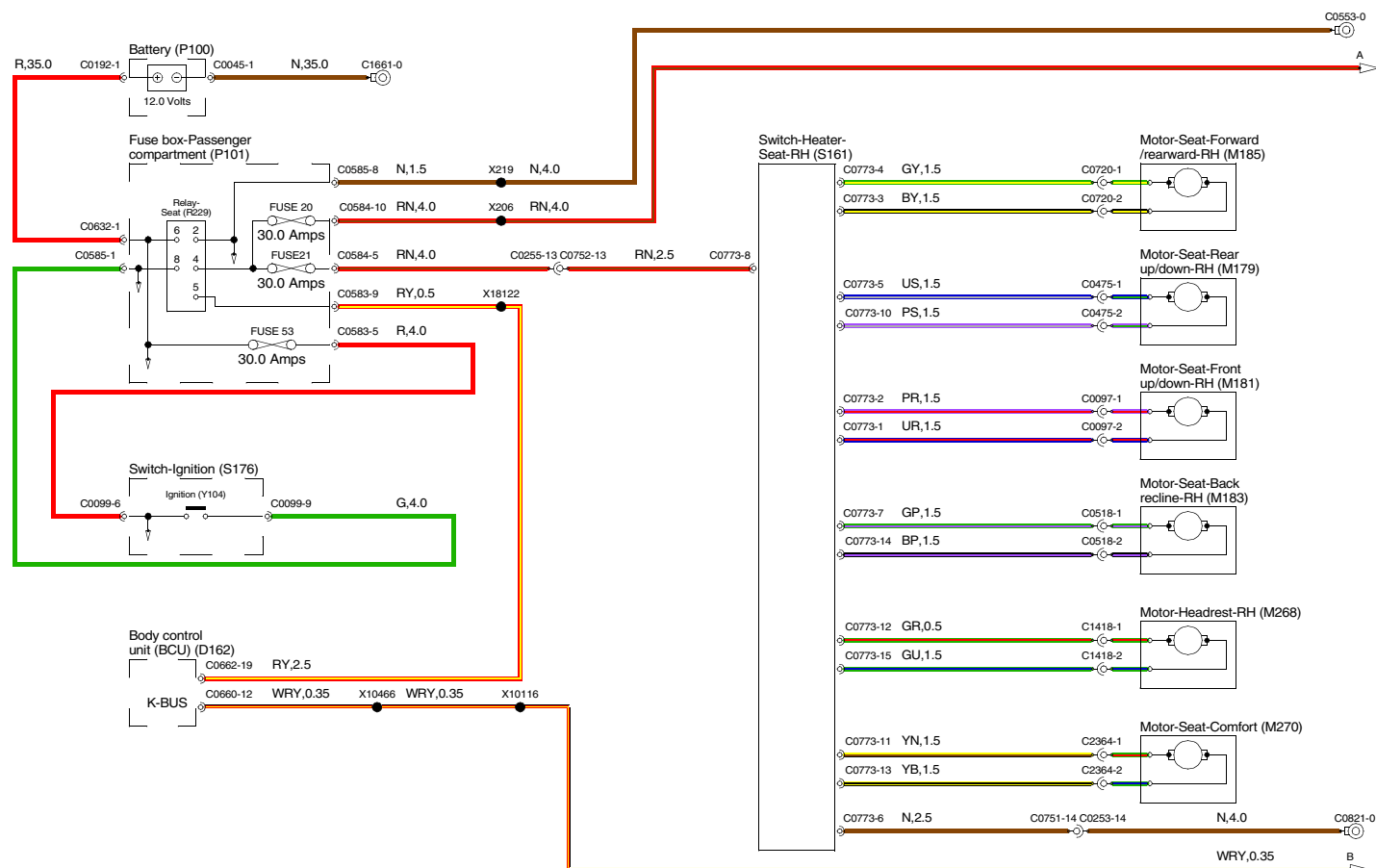


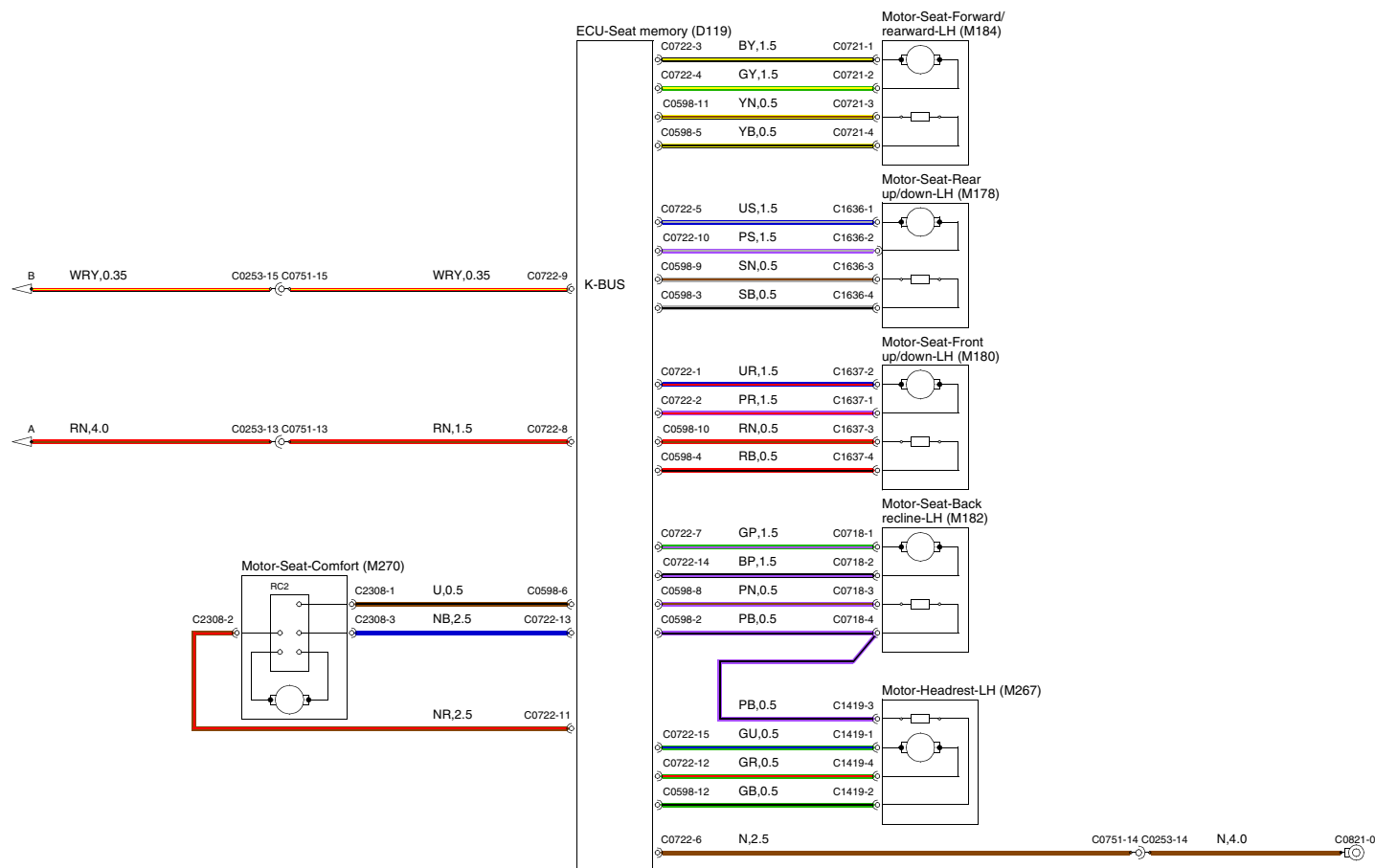


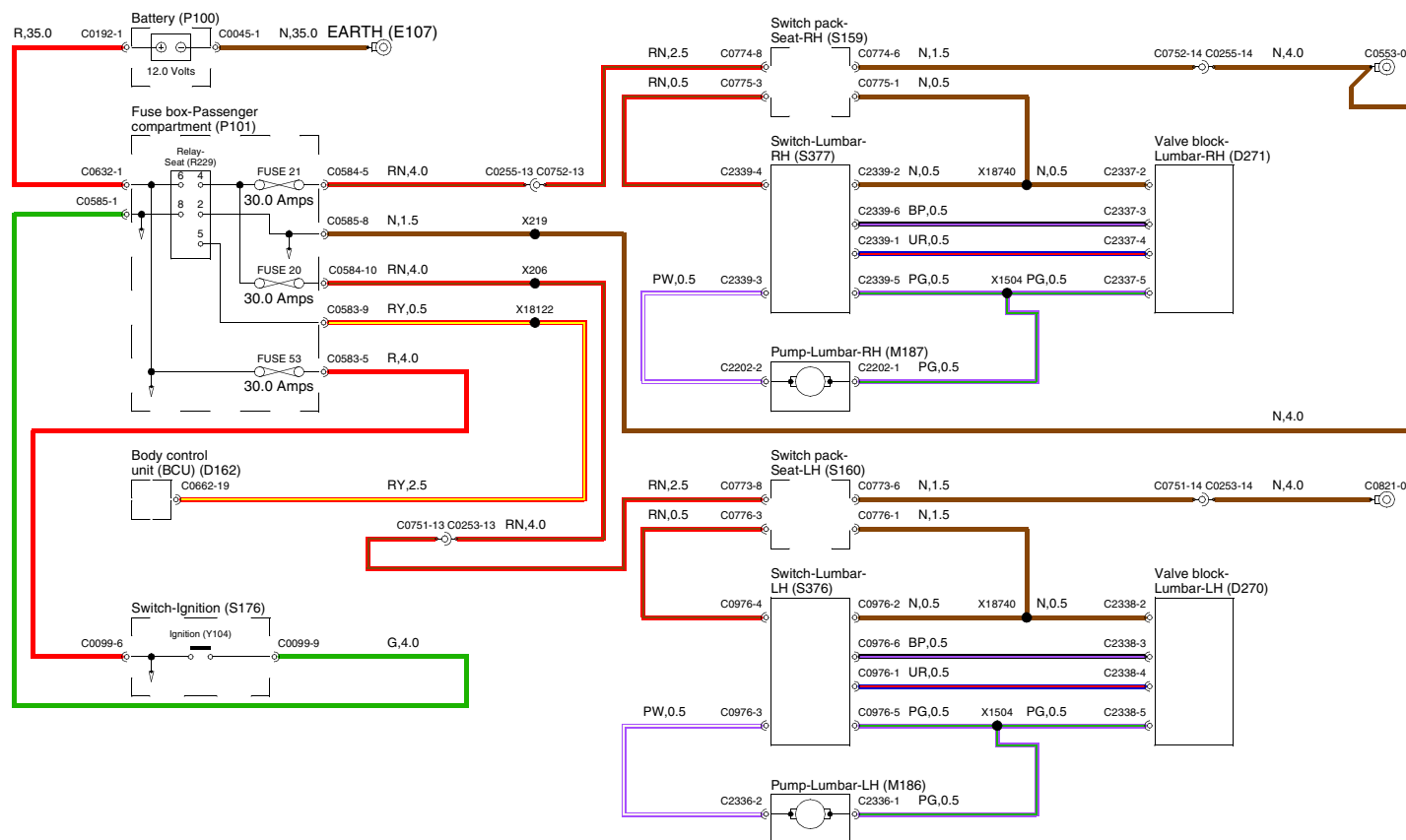


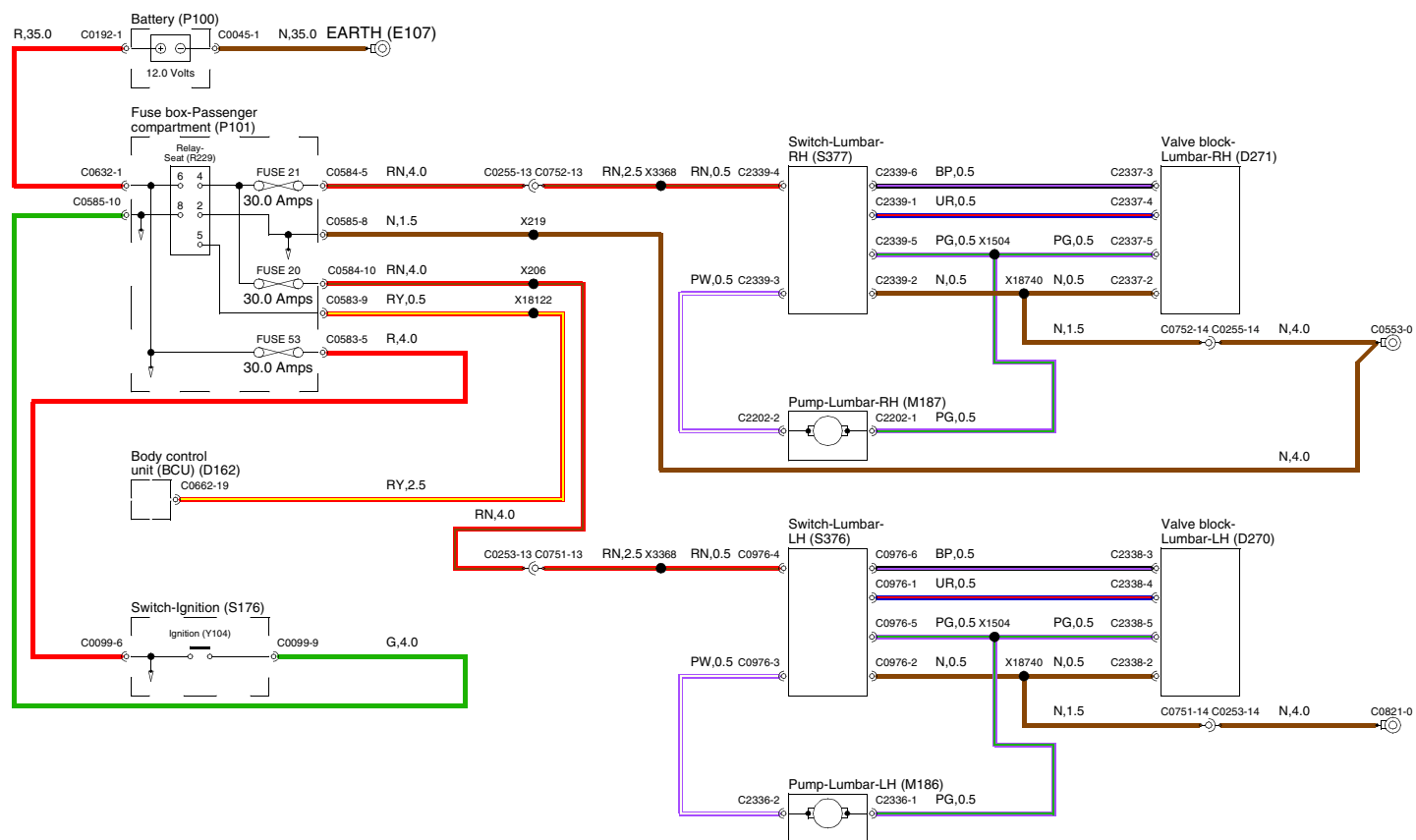


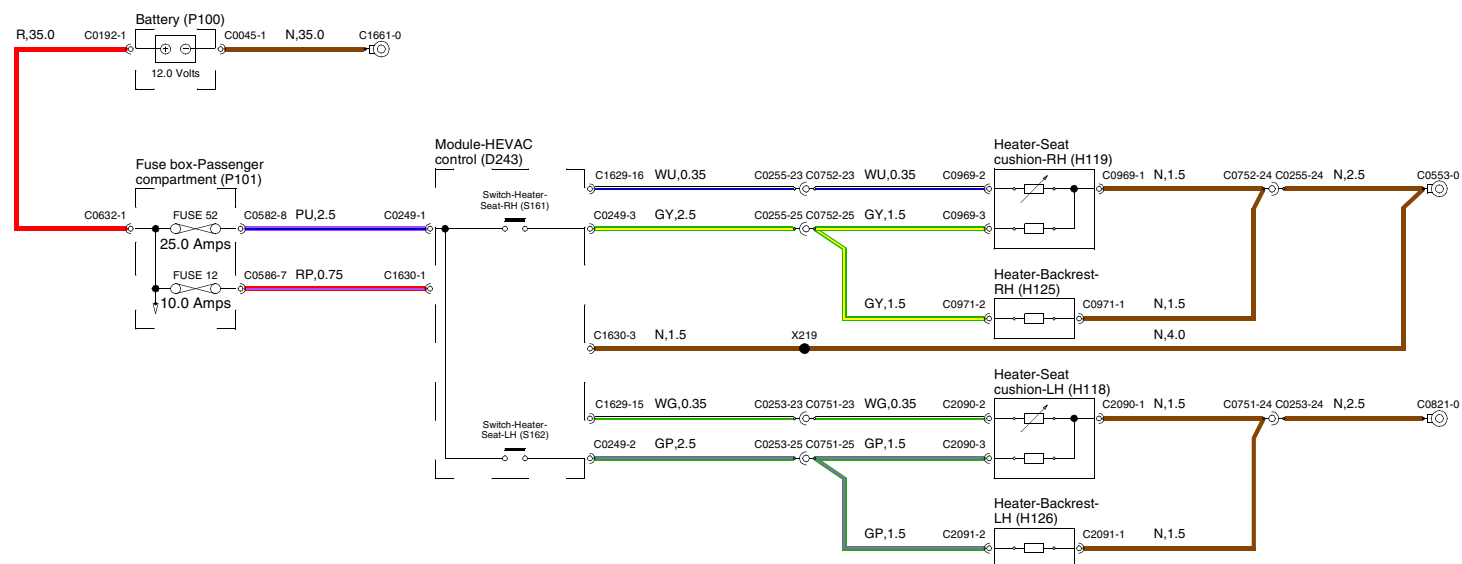


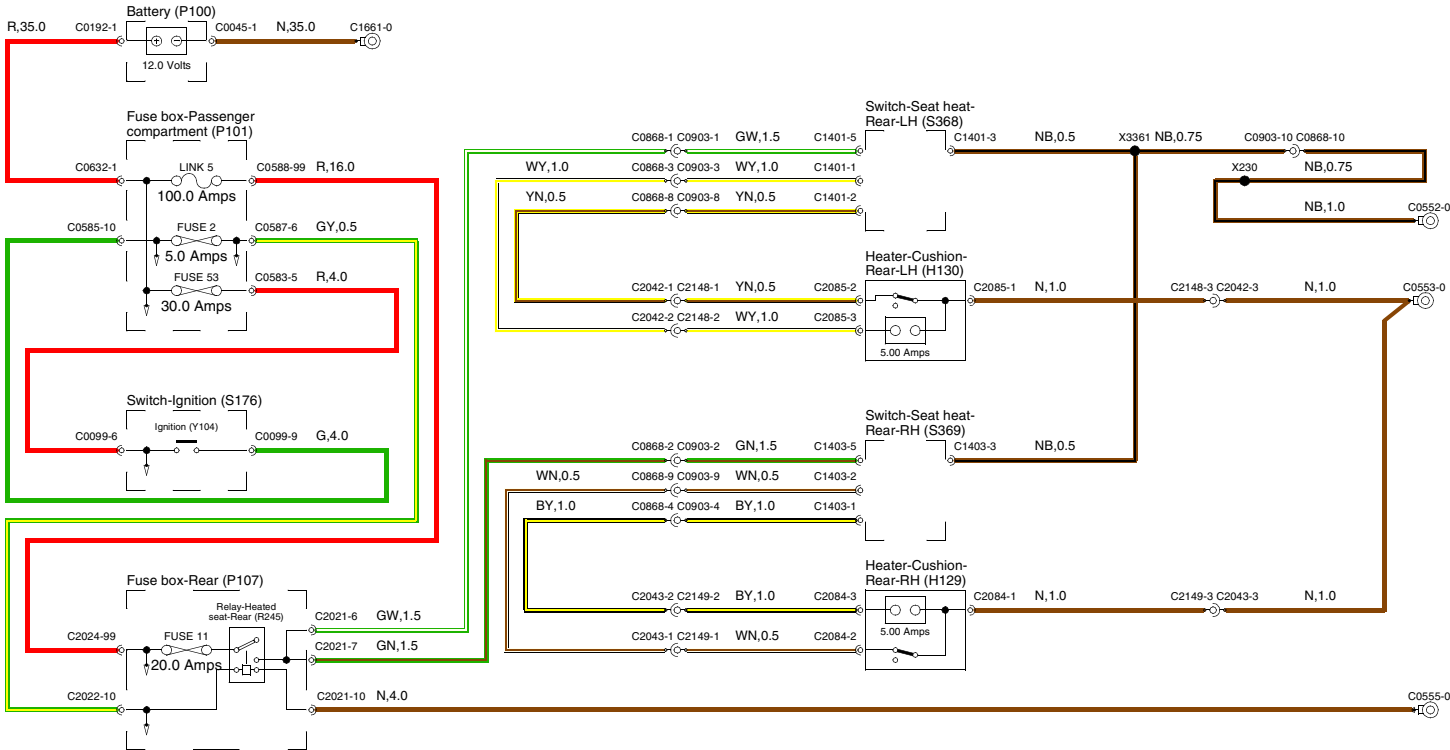


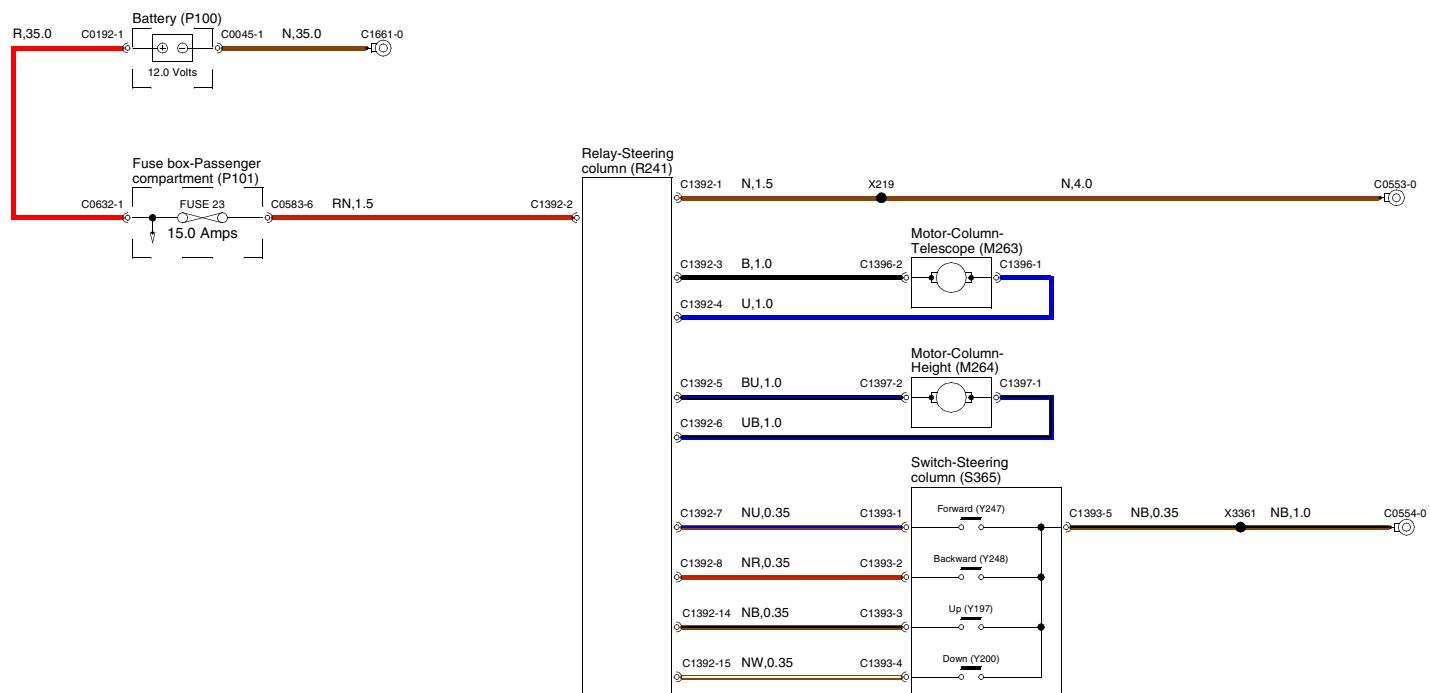


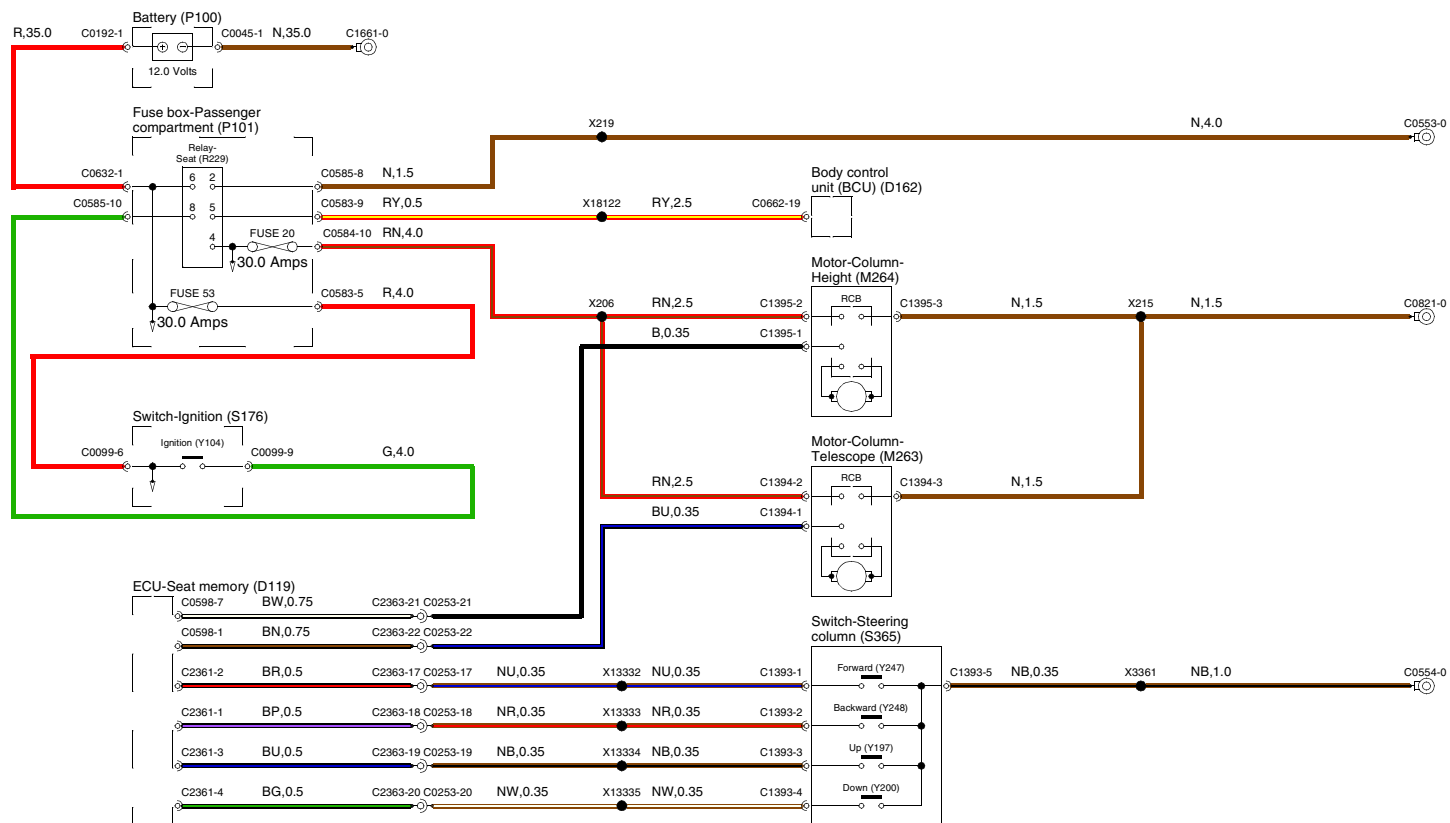


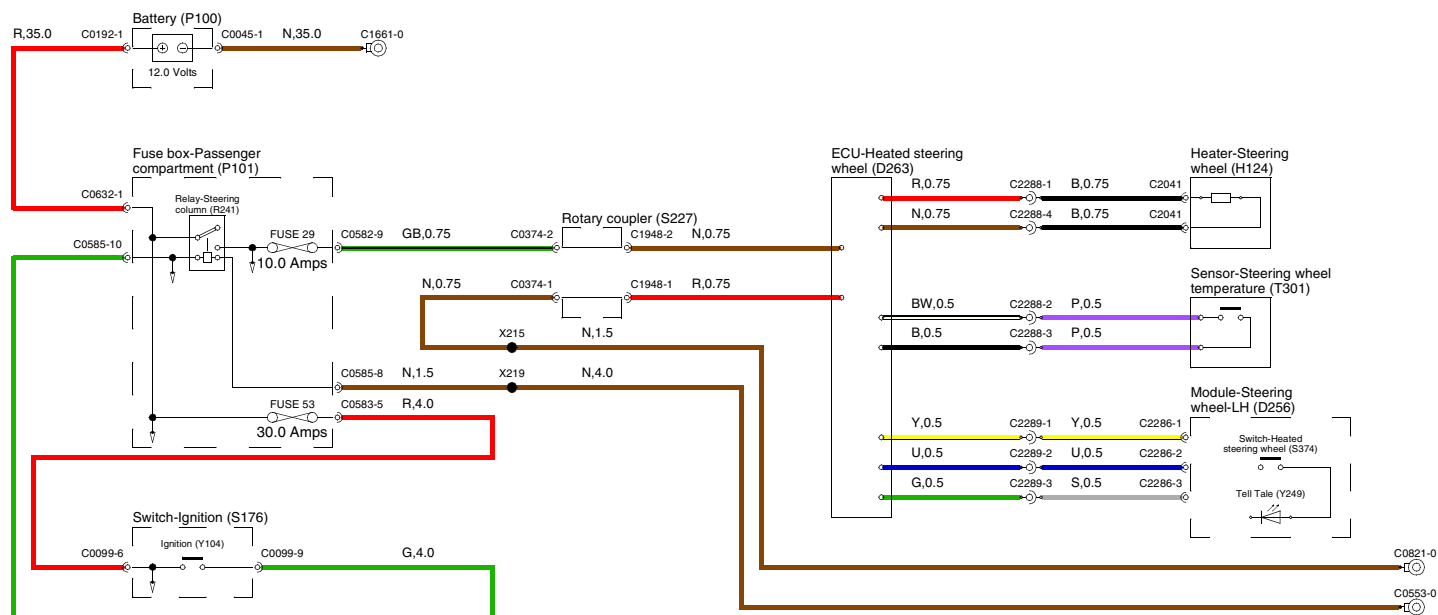




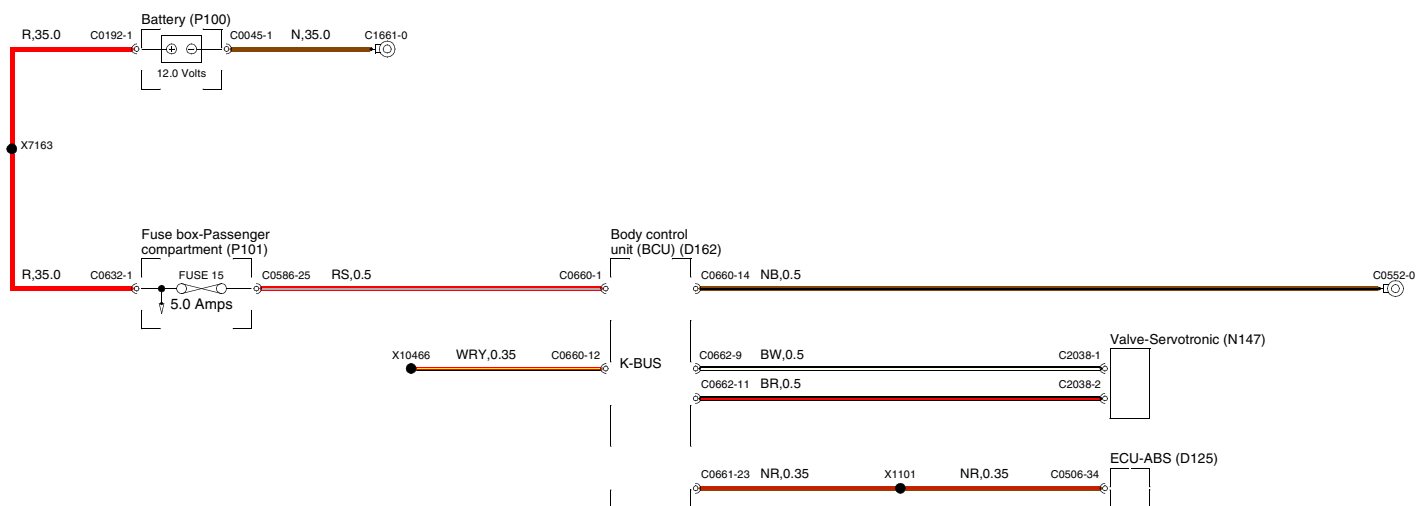




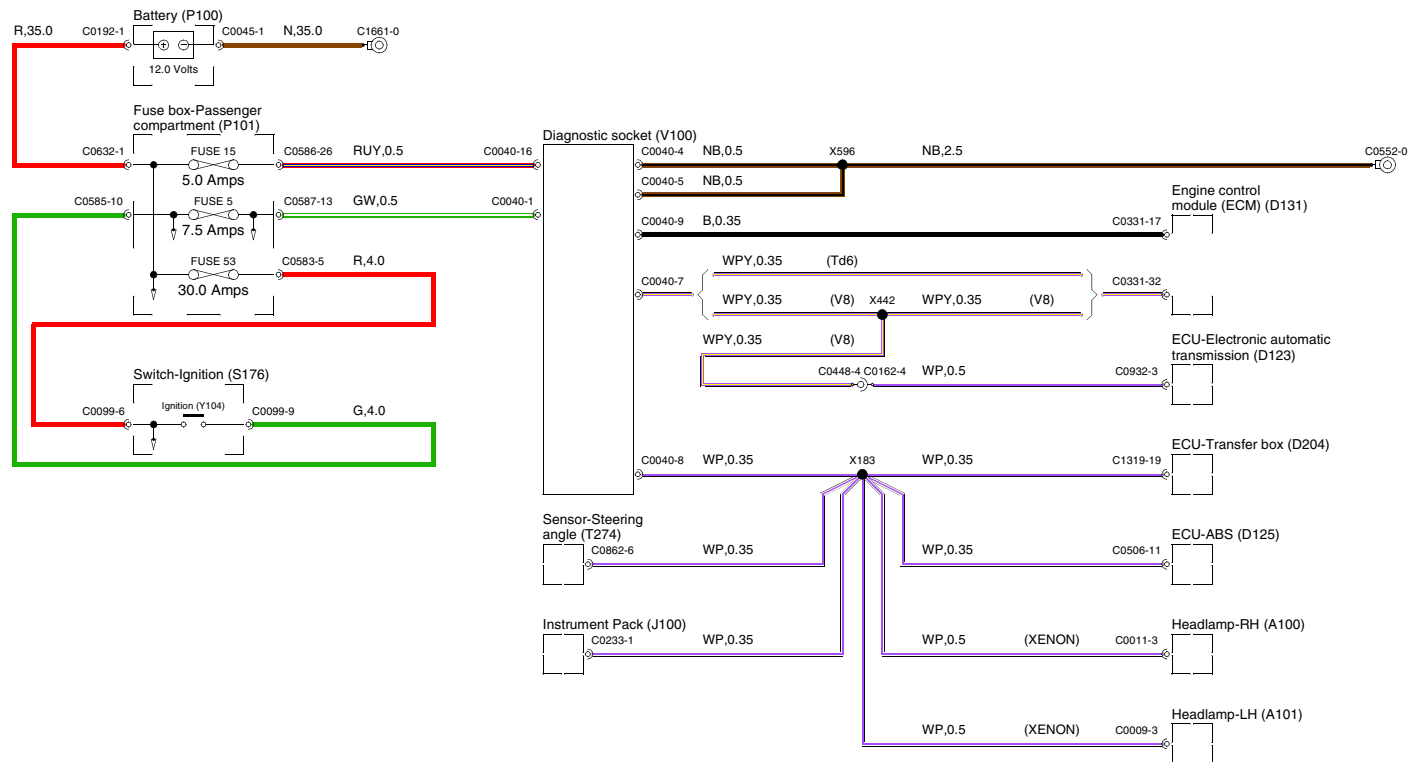




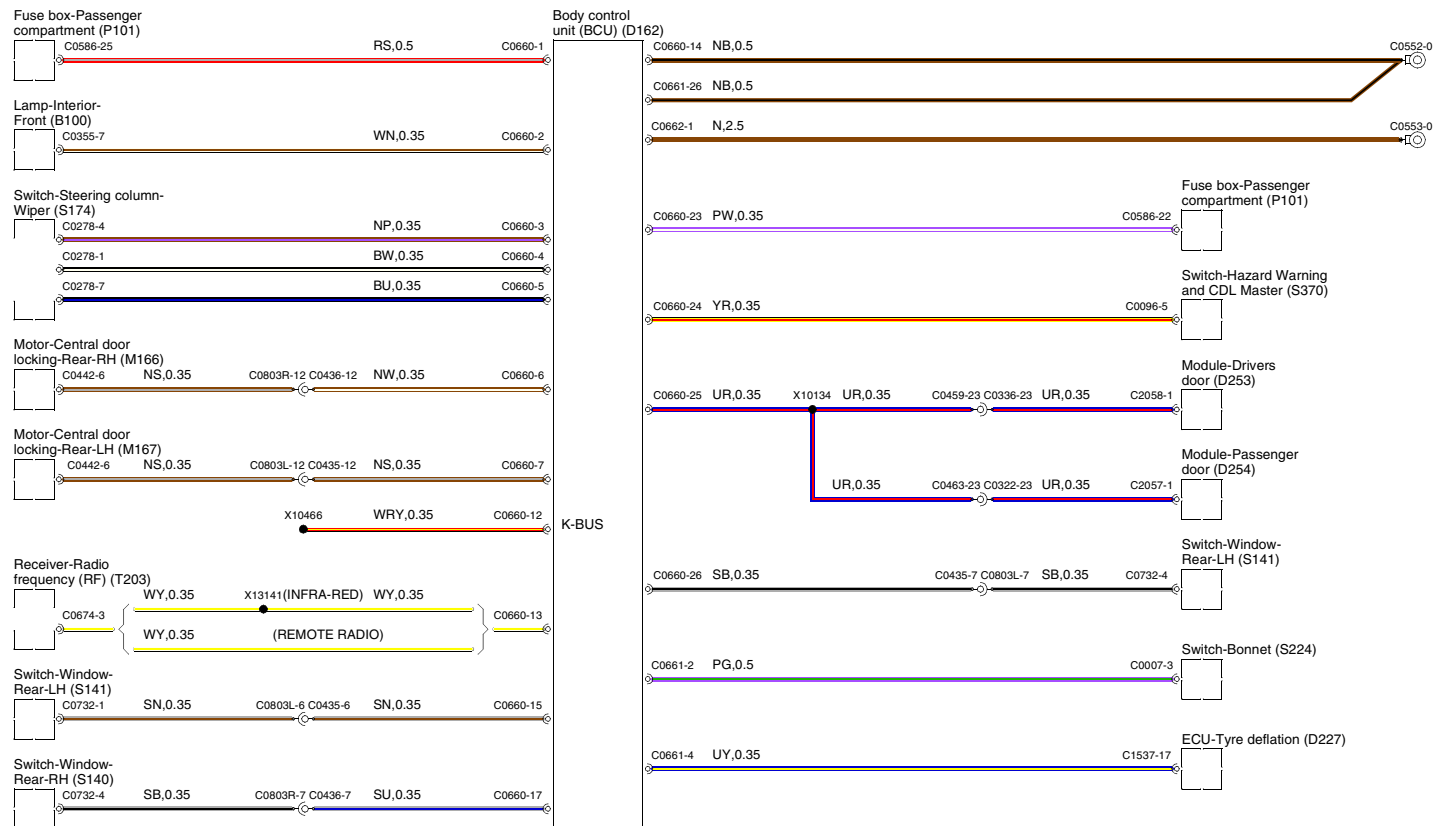
9 STEERING



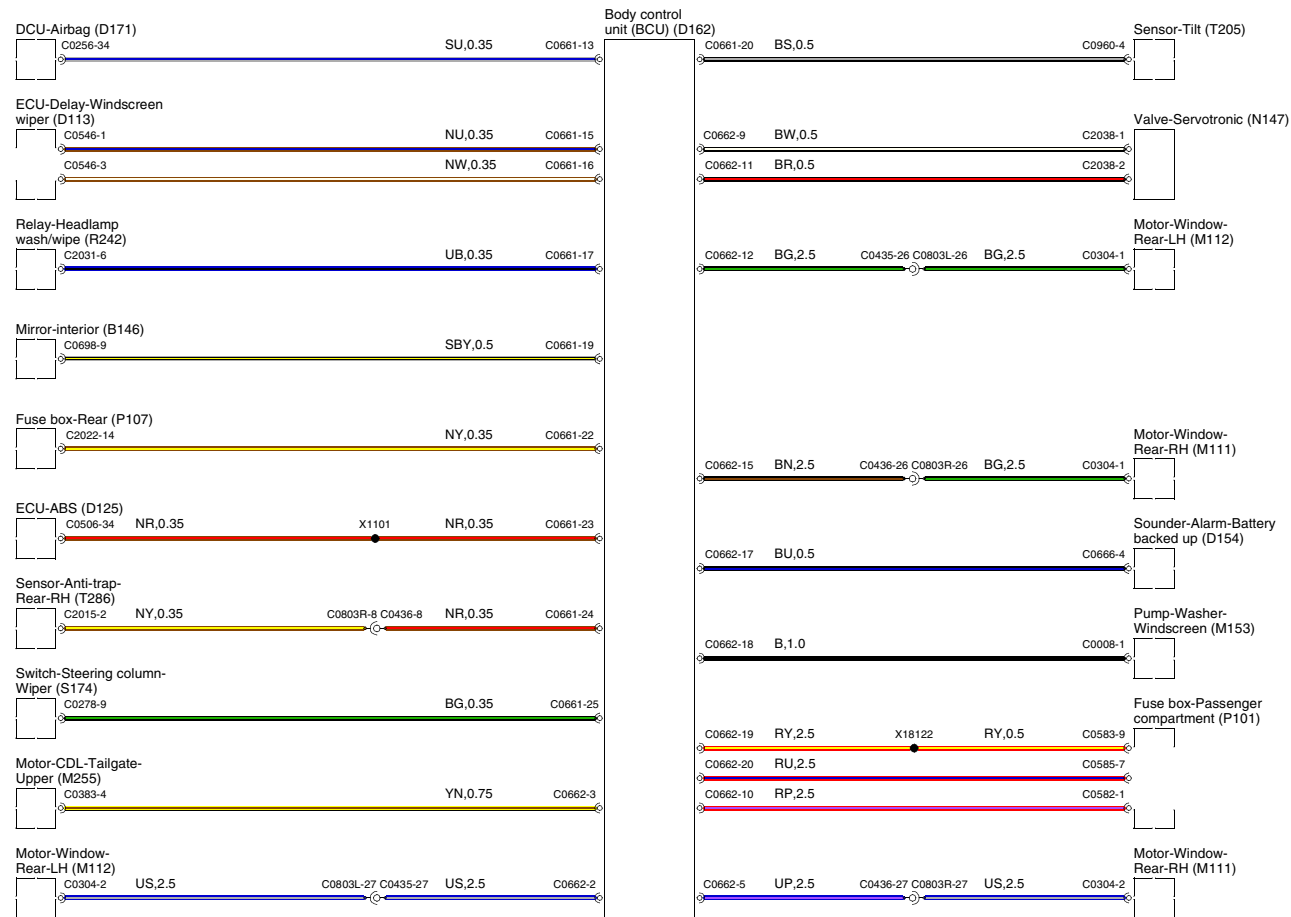
10 DIAGNOSTIC SOCKET



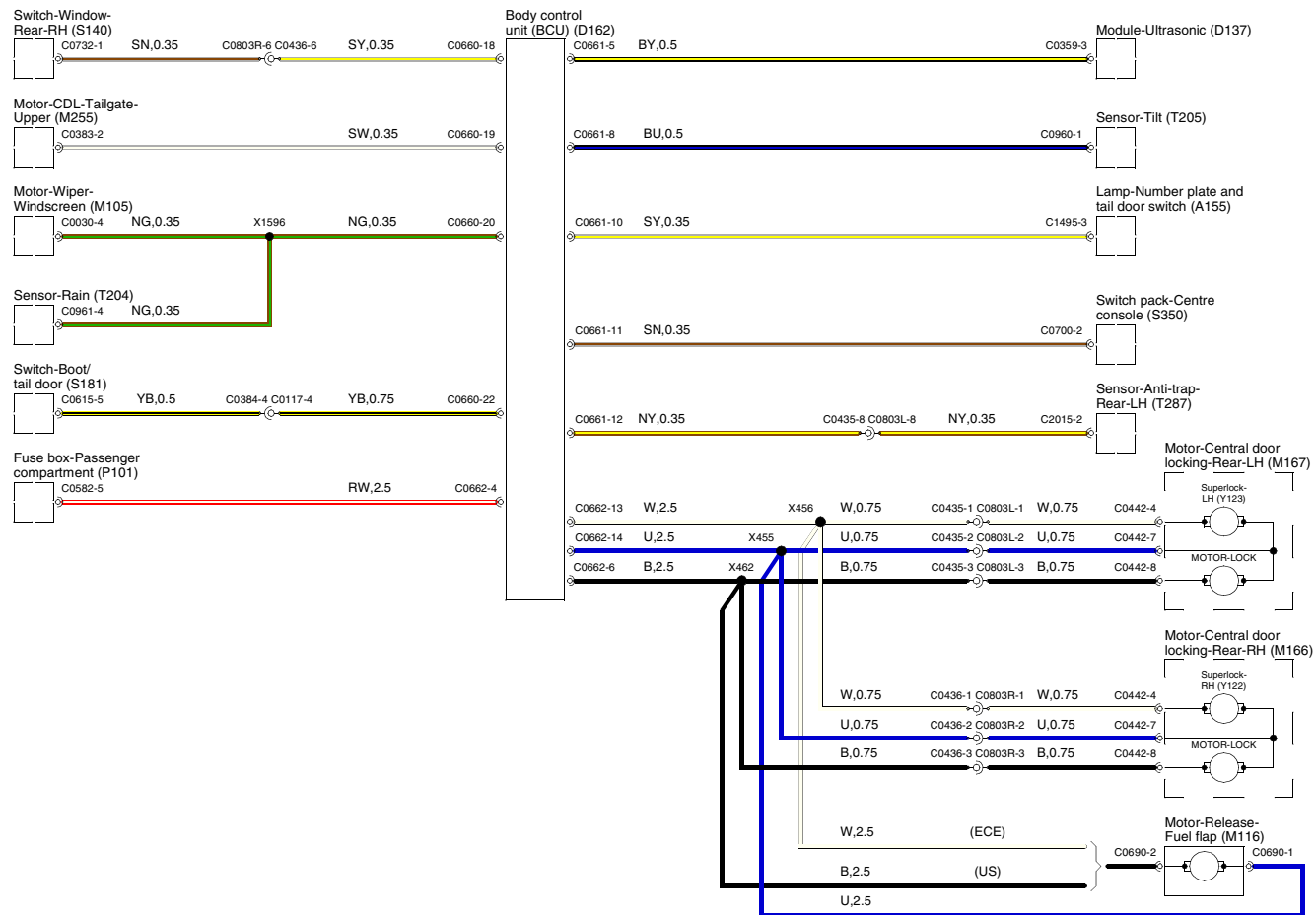
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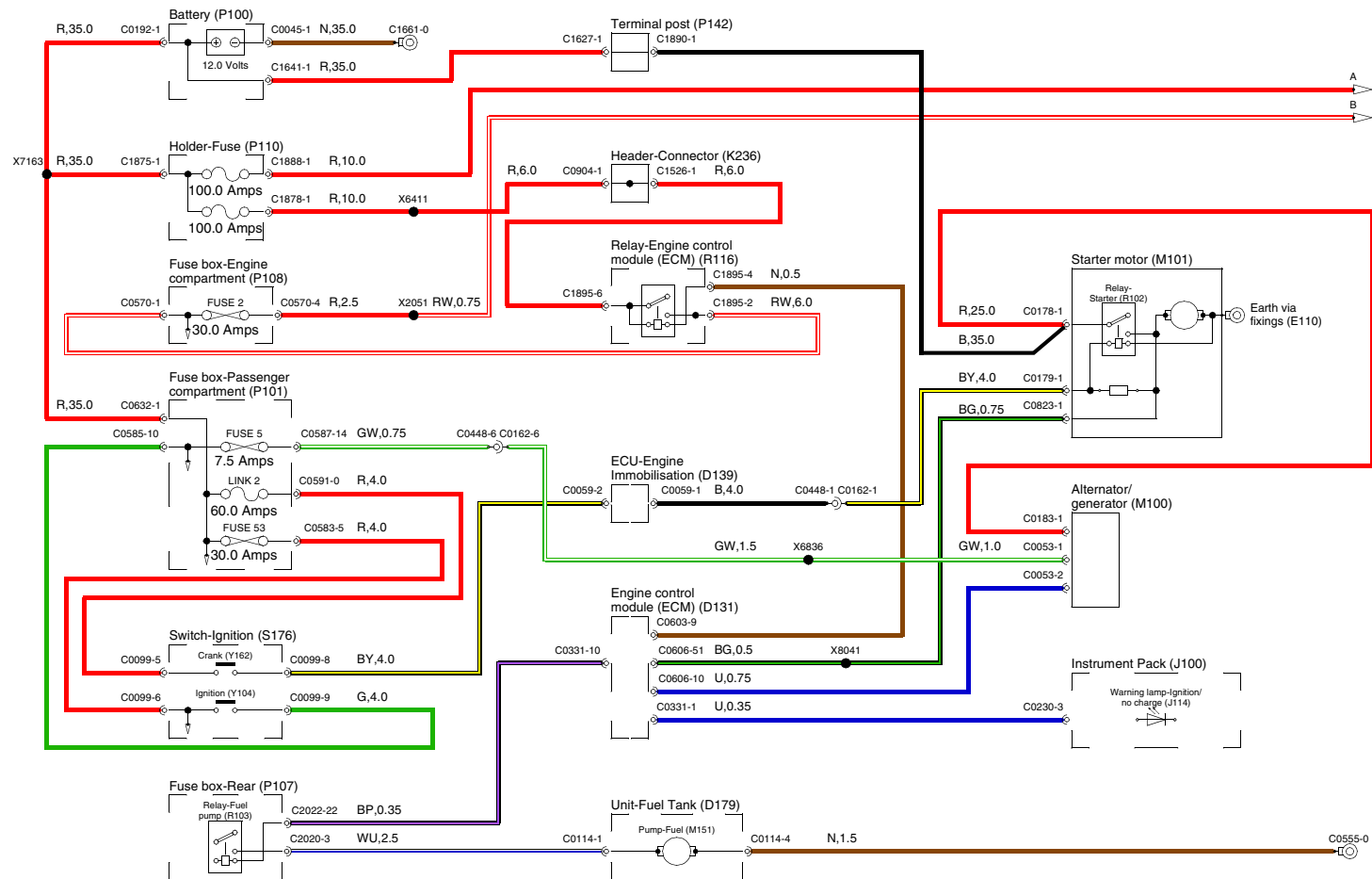


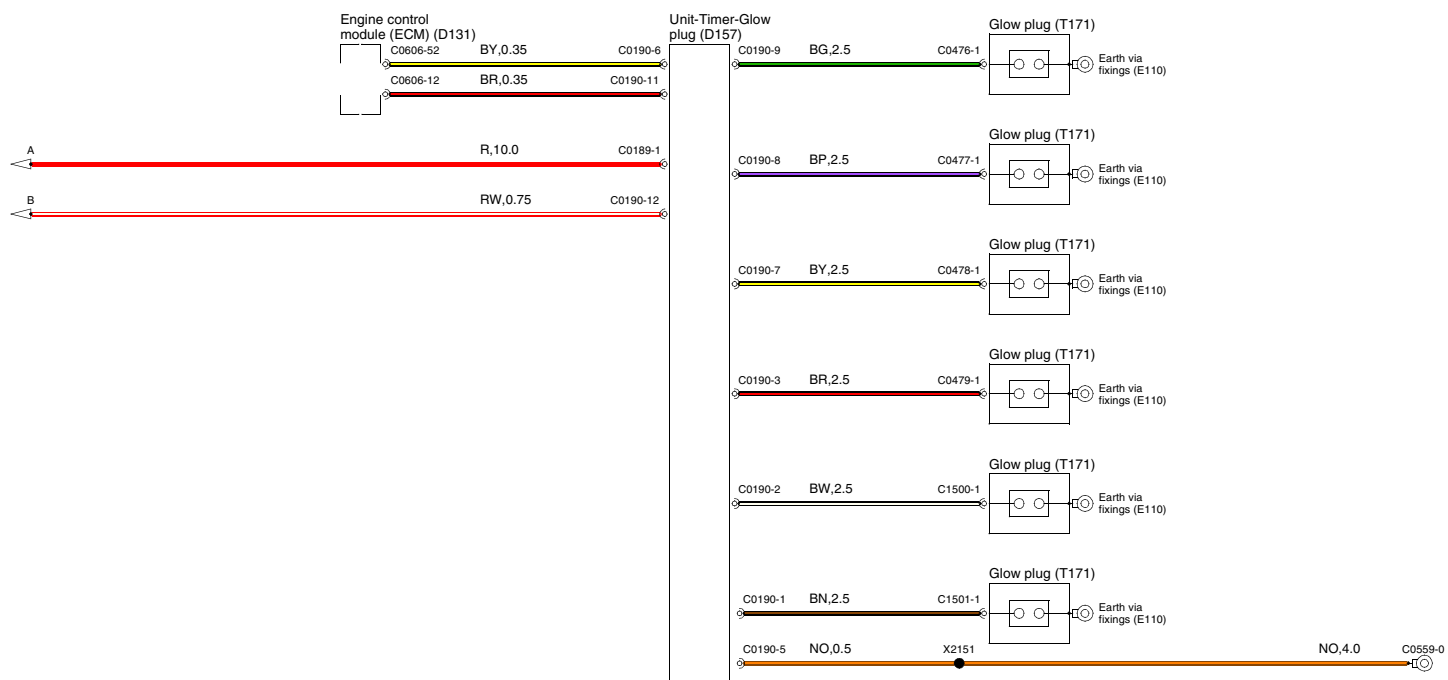
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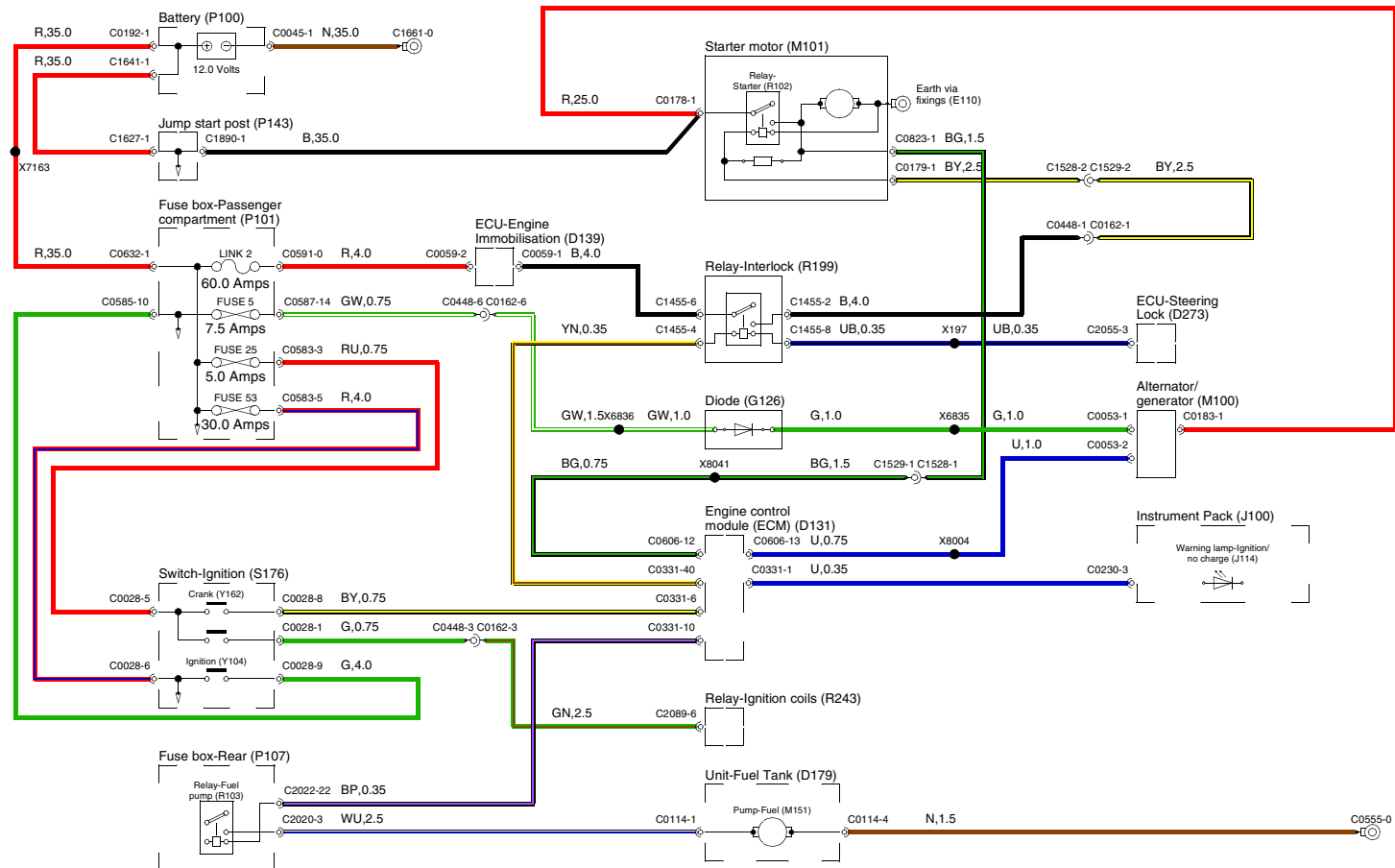


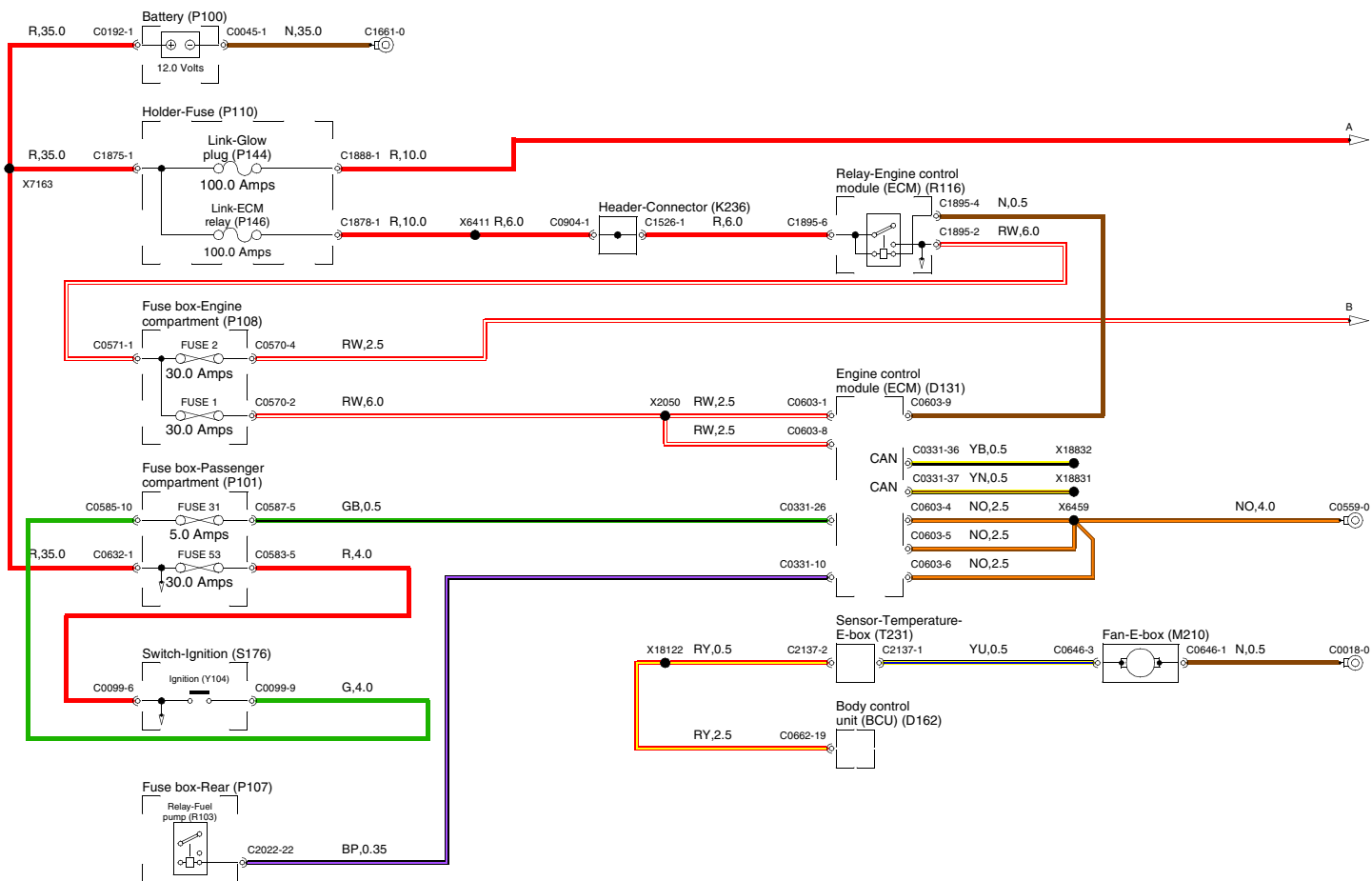
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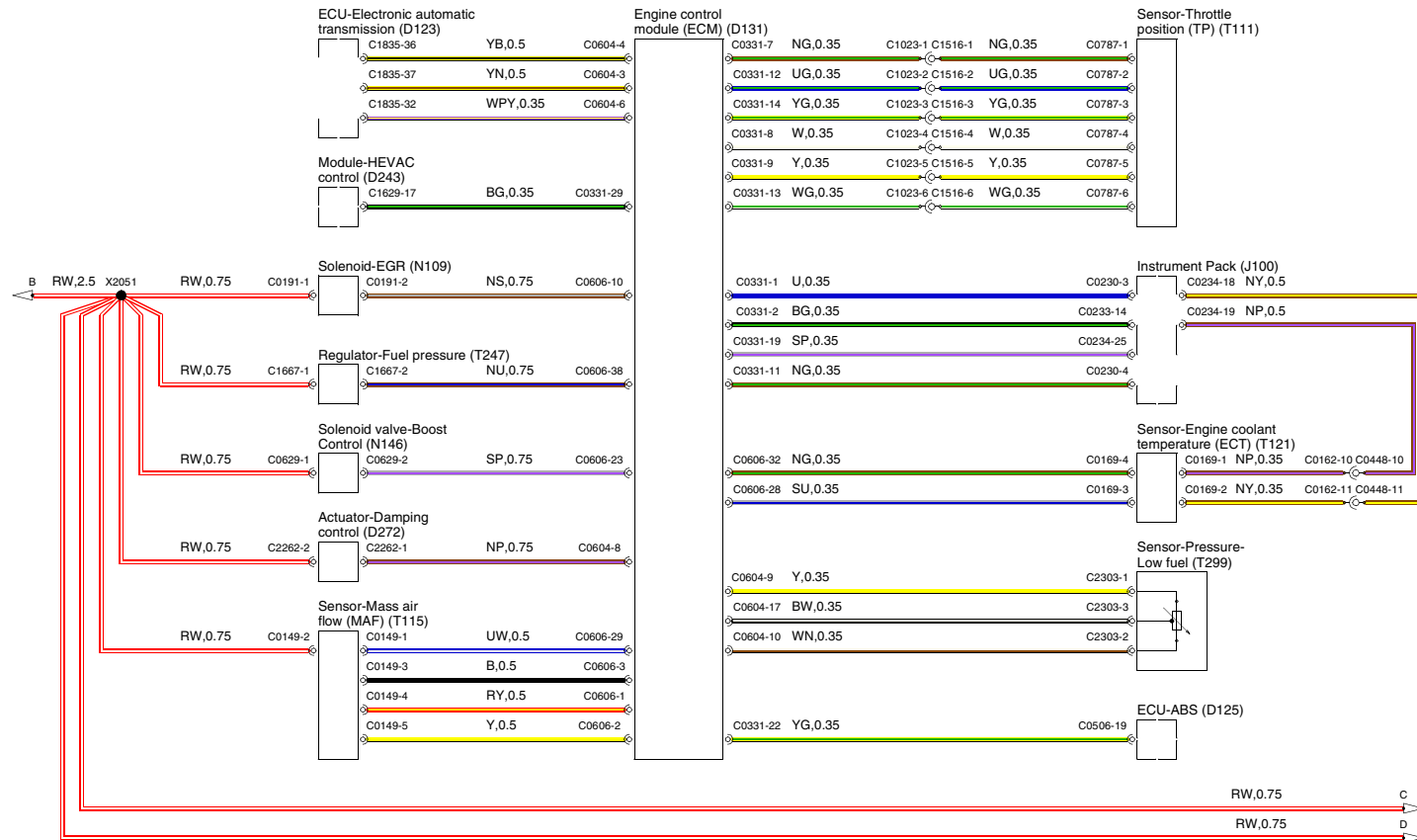


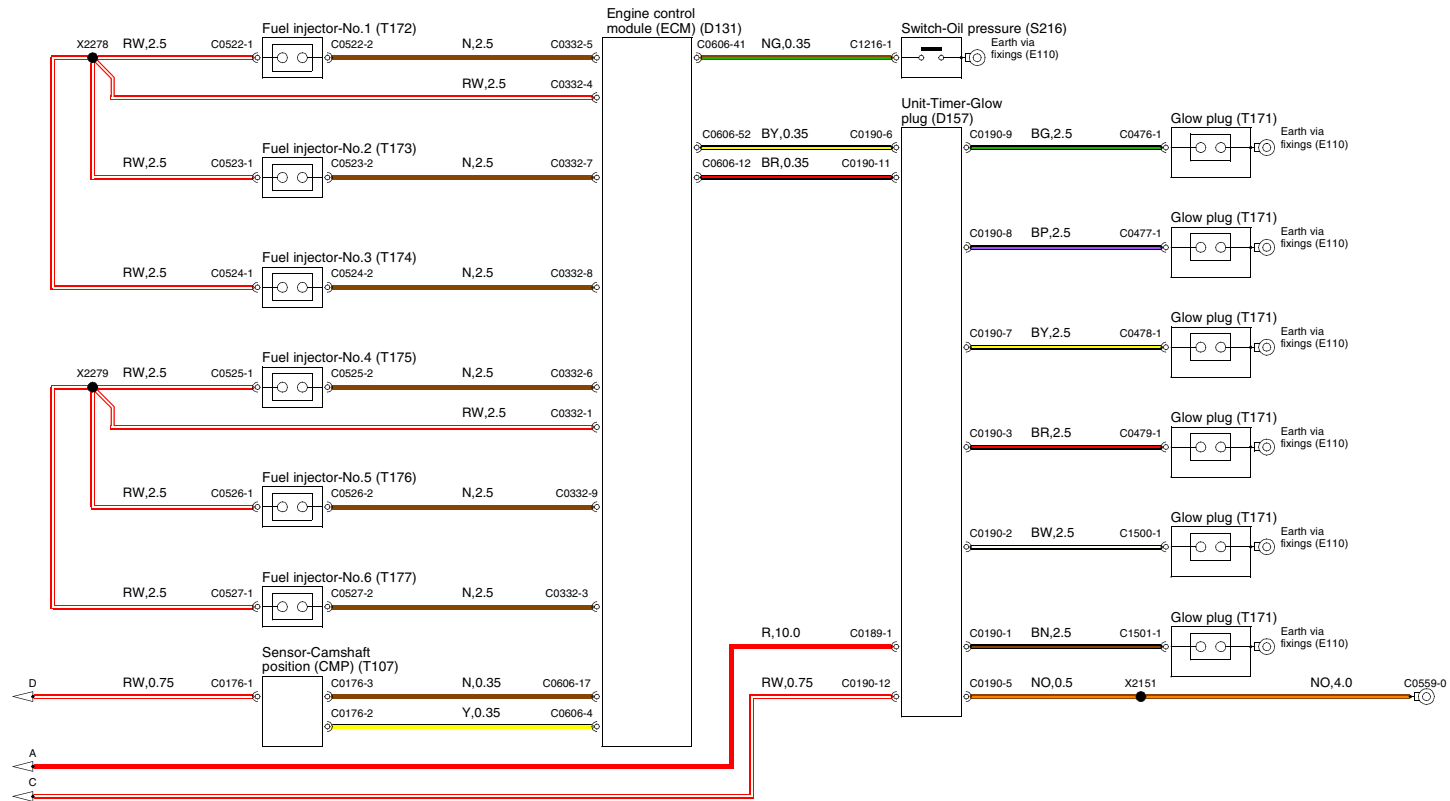


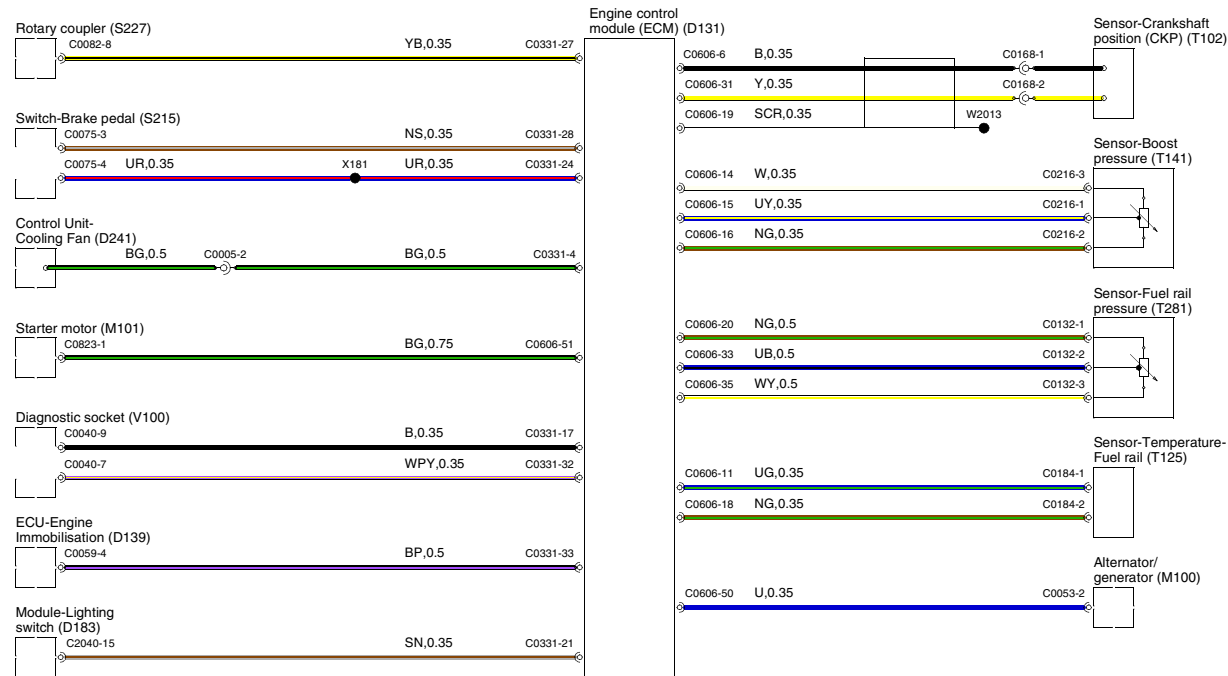


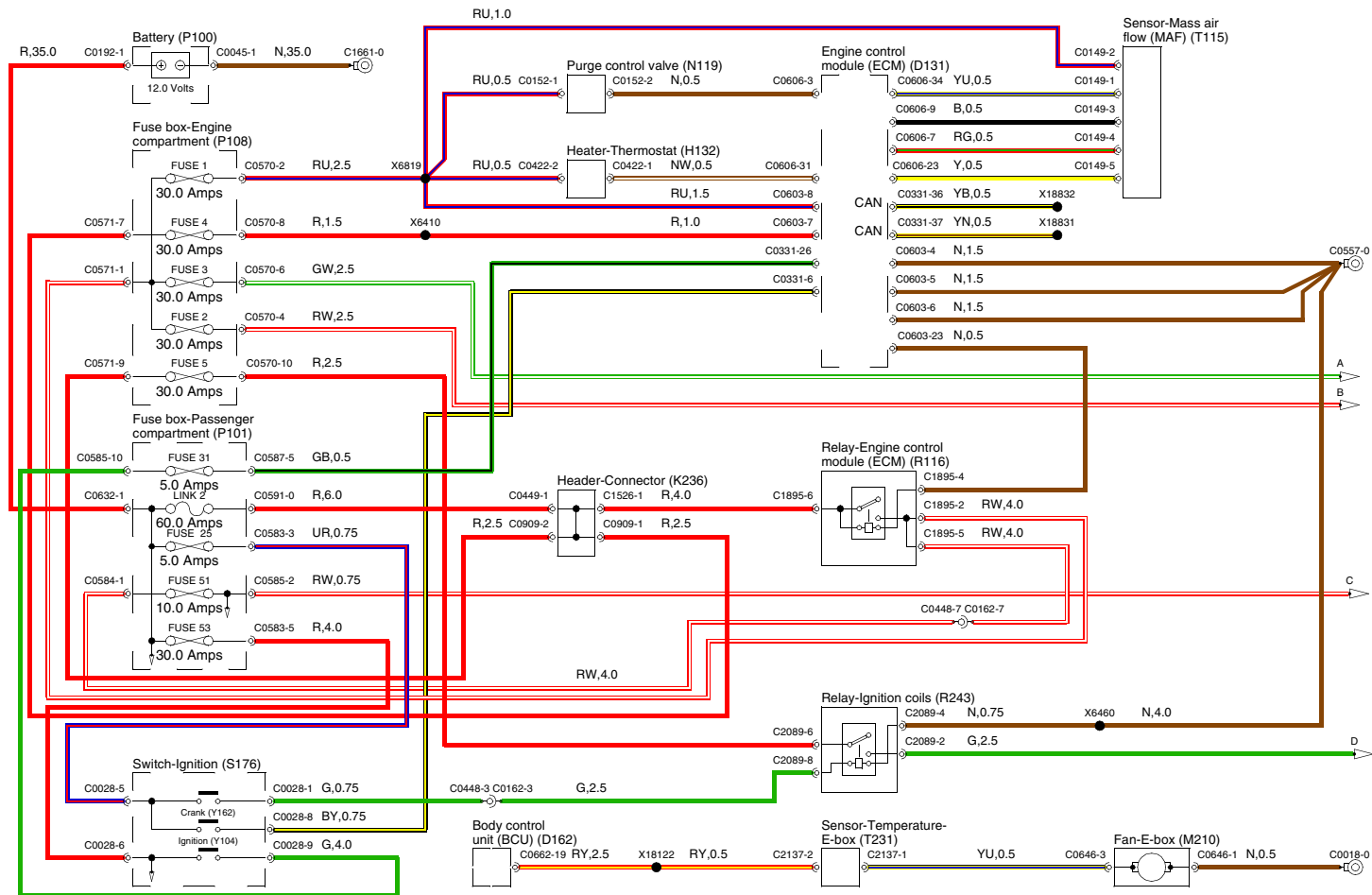


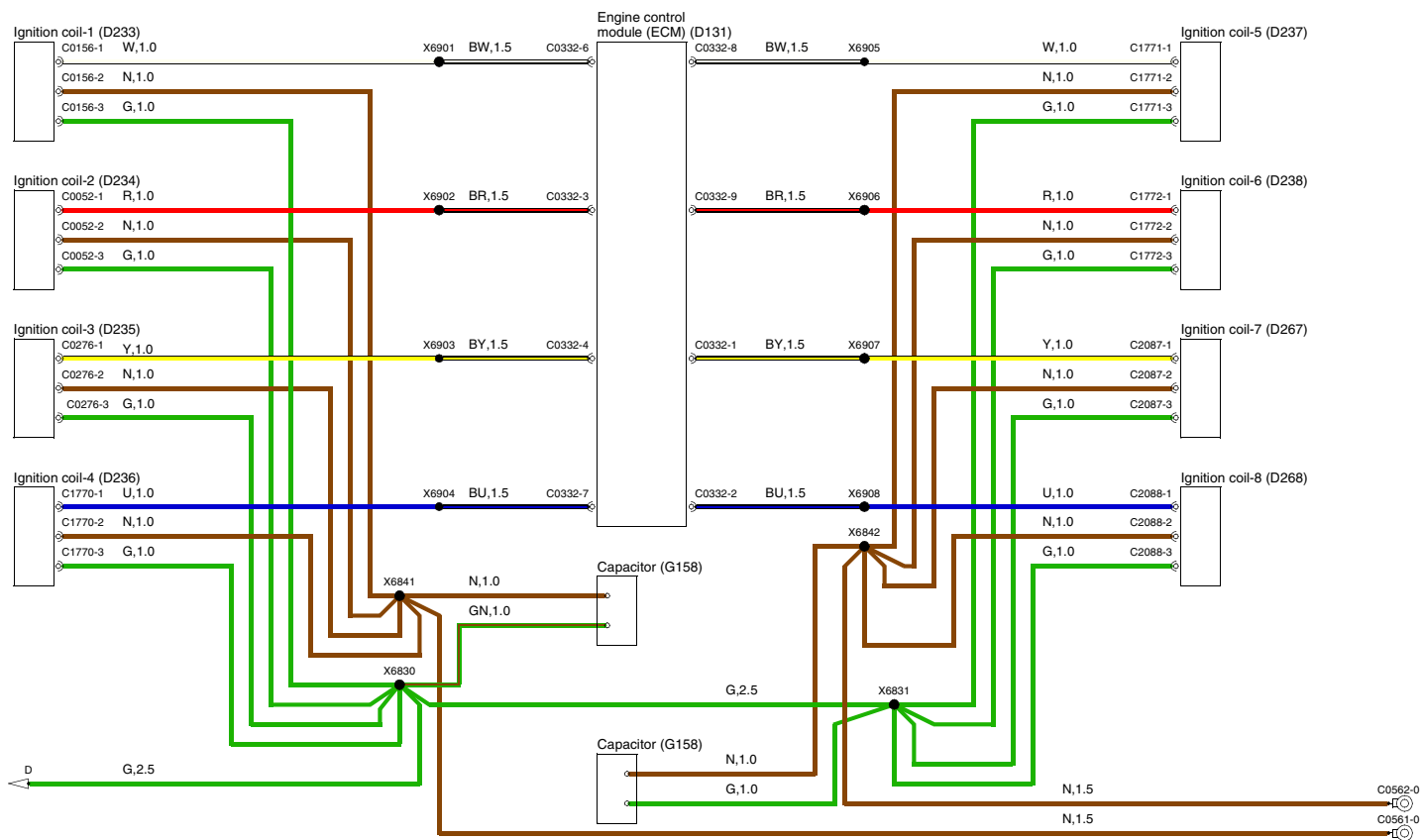


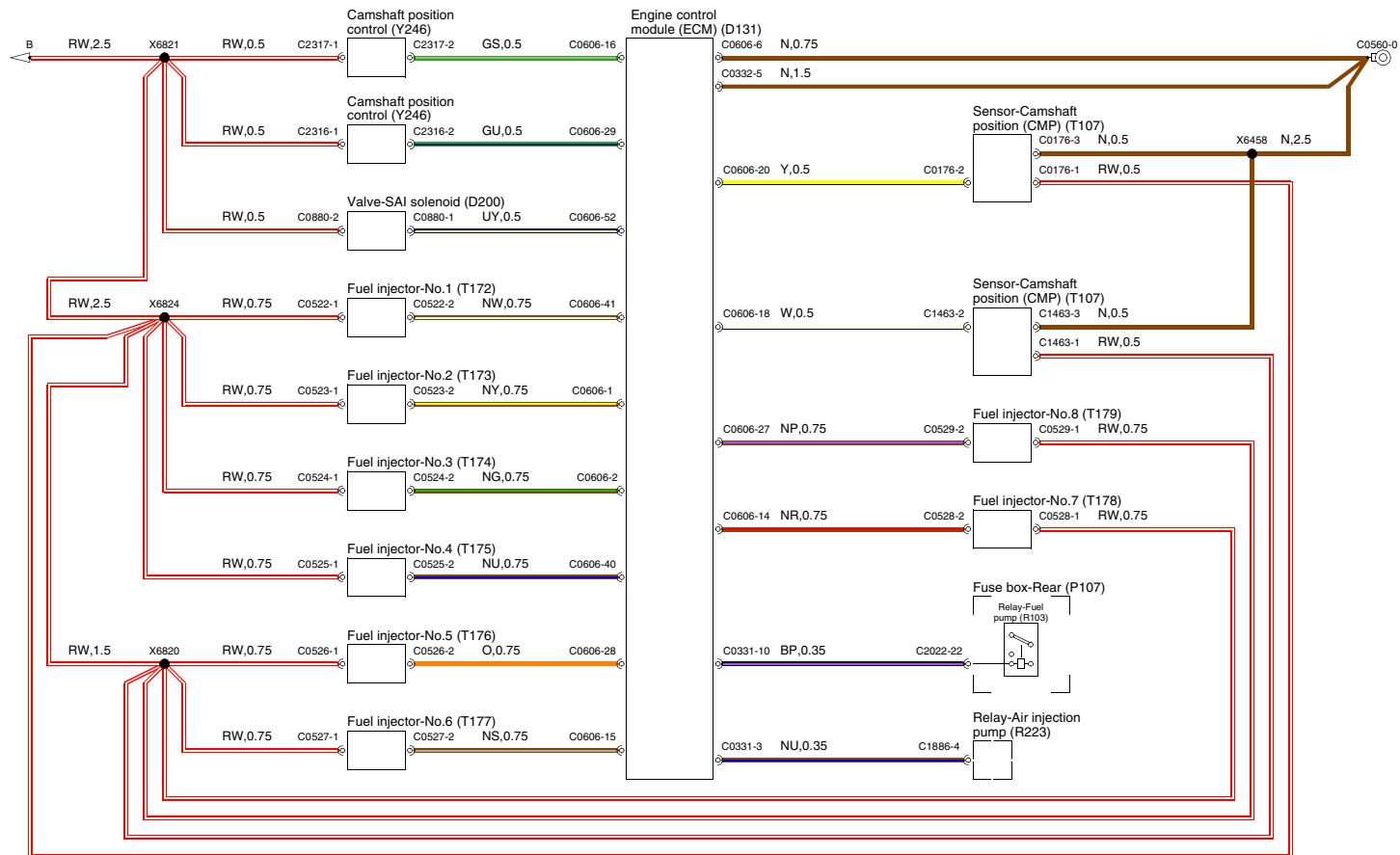


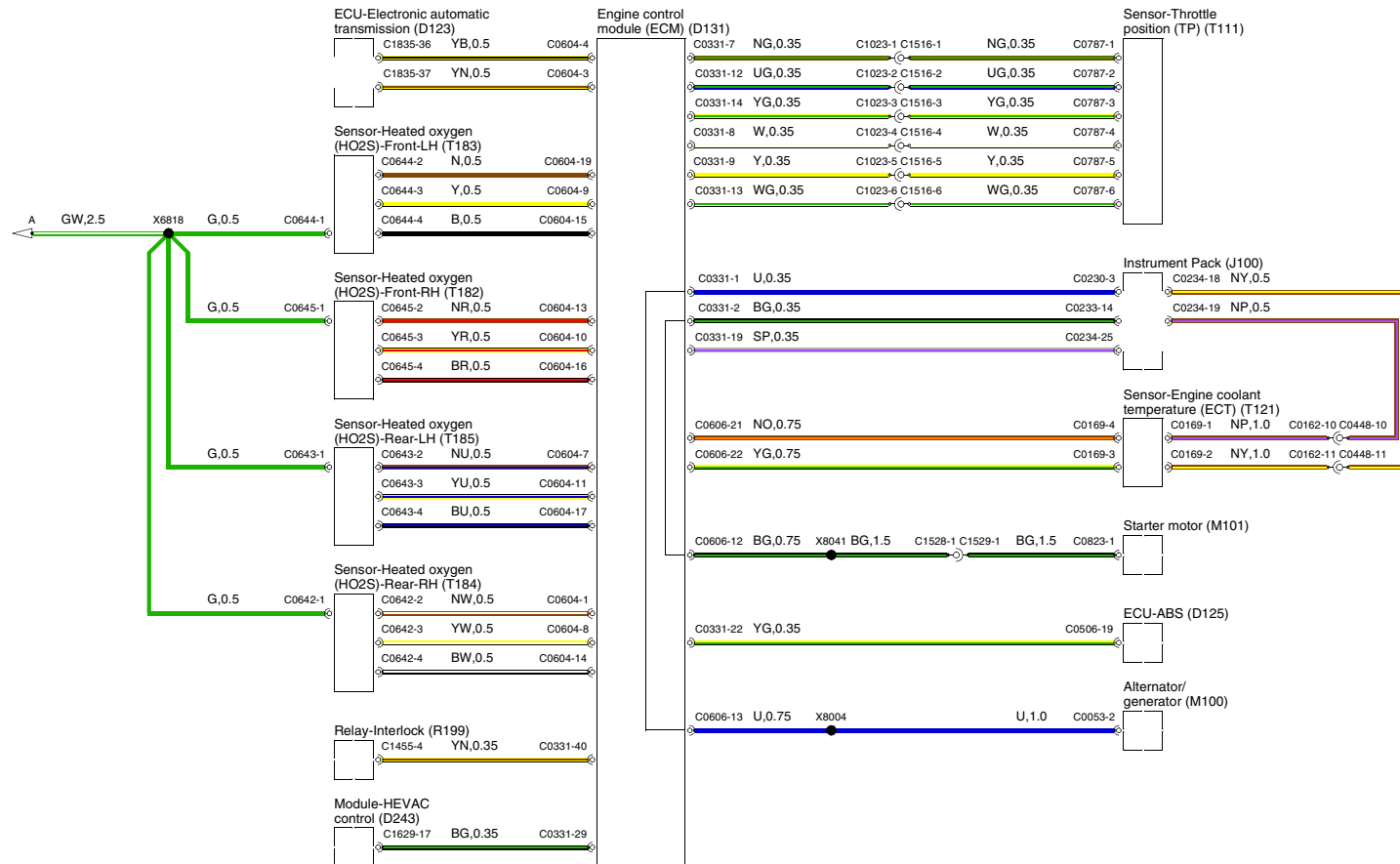


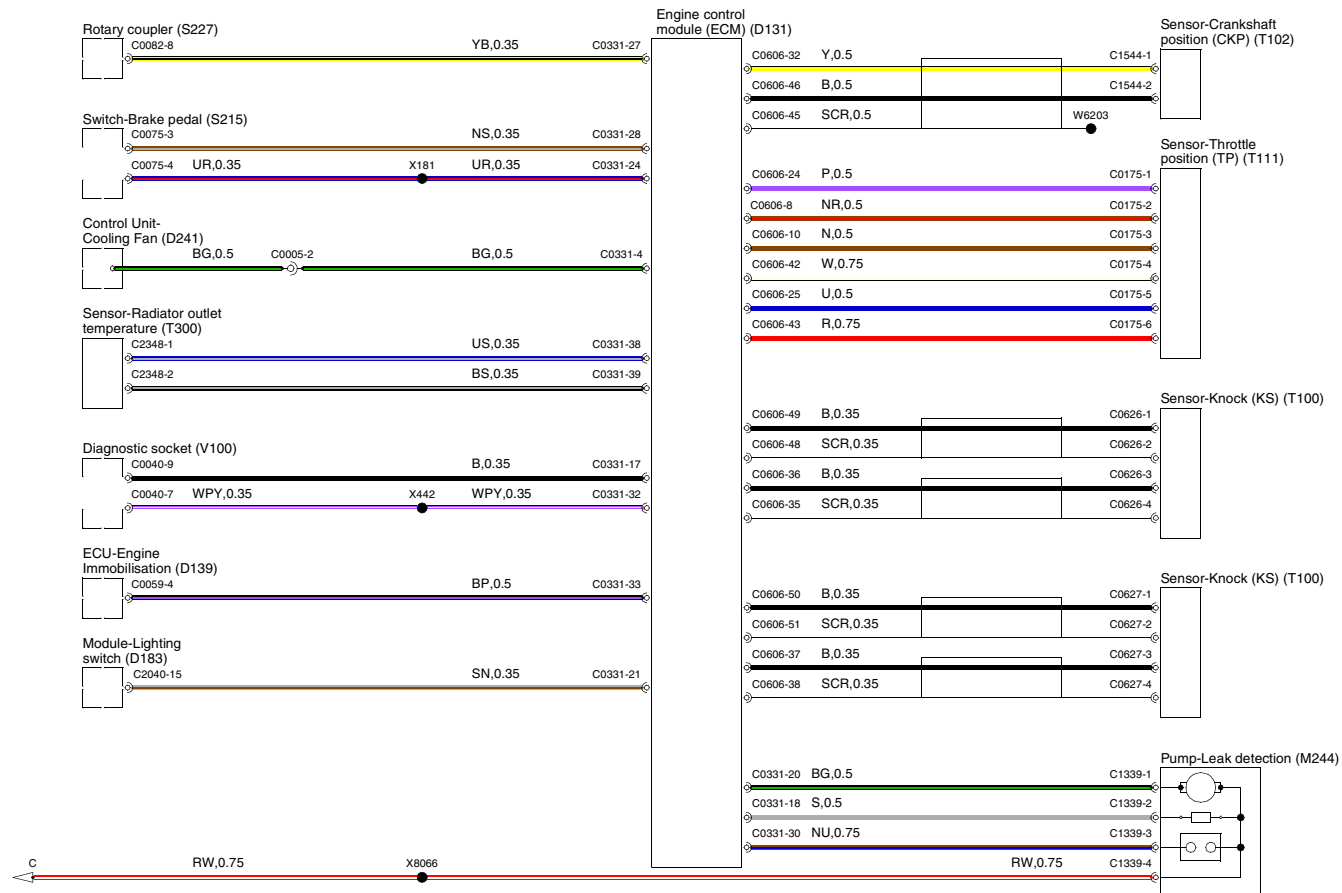




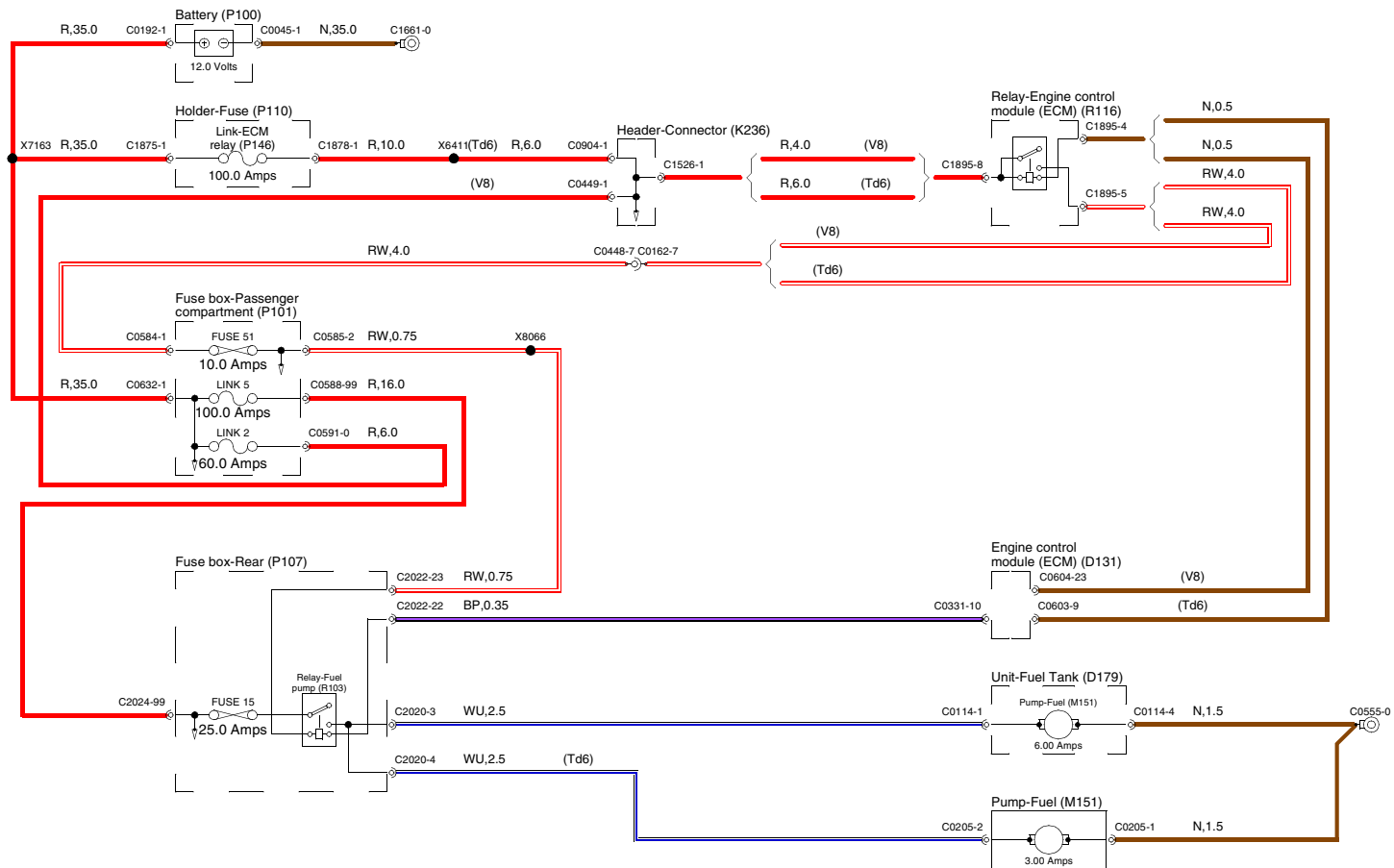




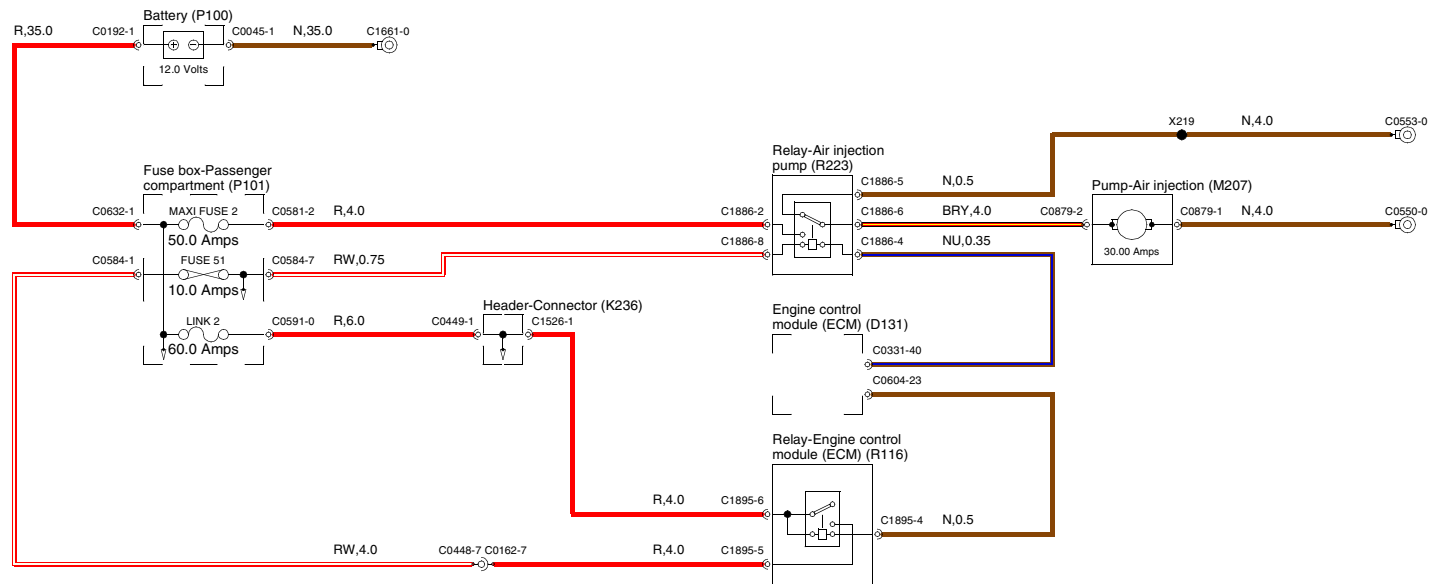




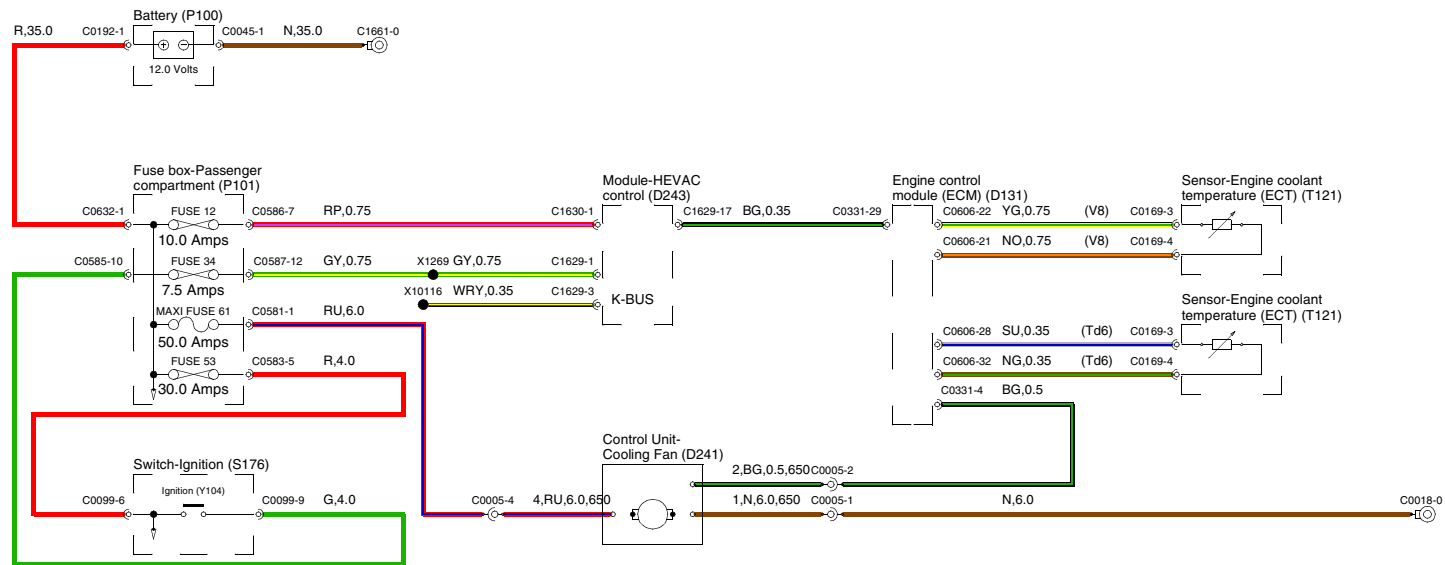
20 FUEL PUMP

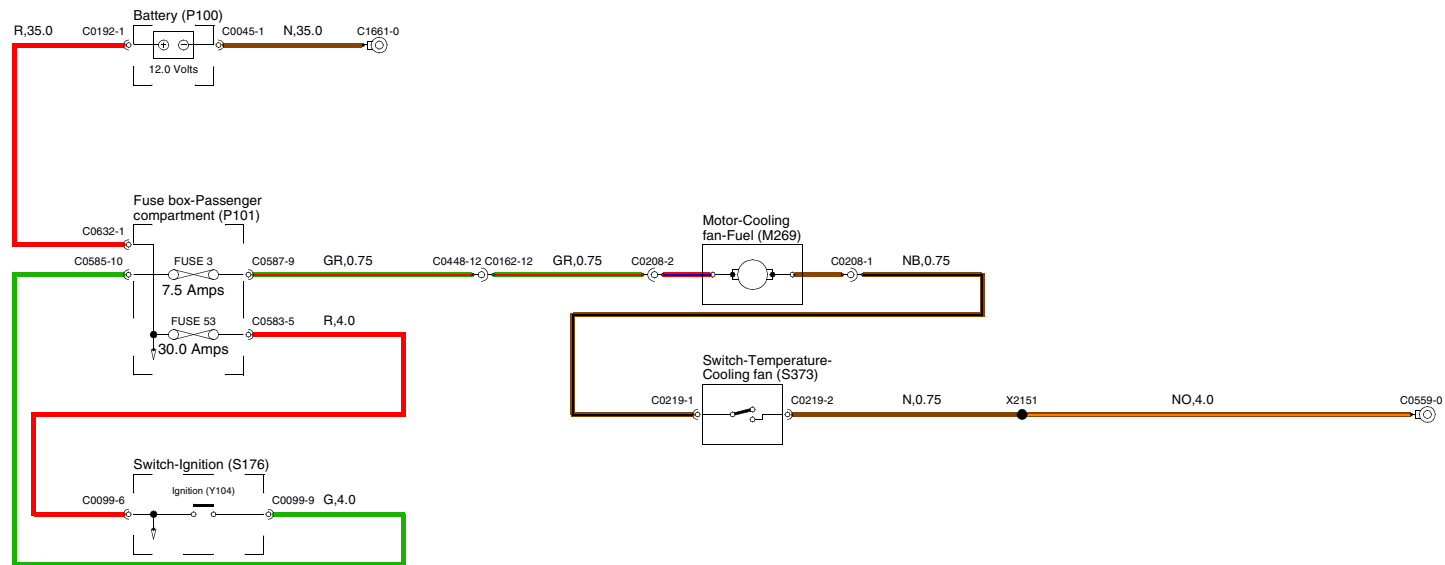


20 SECONDARY AIR INJECTION

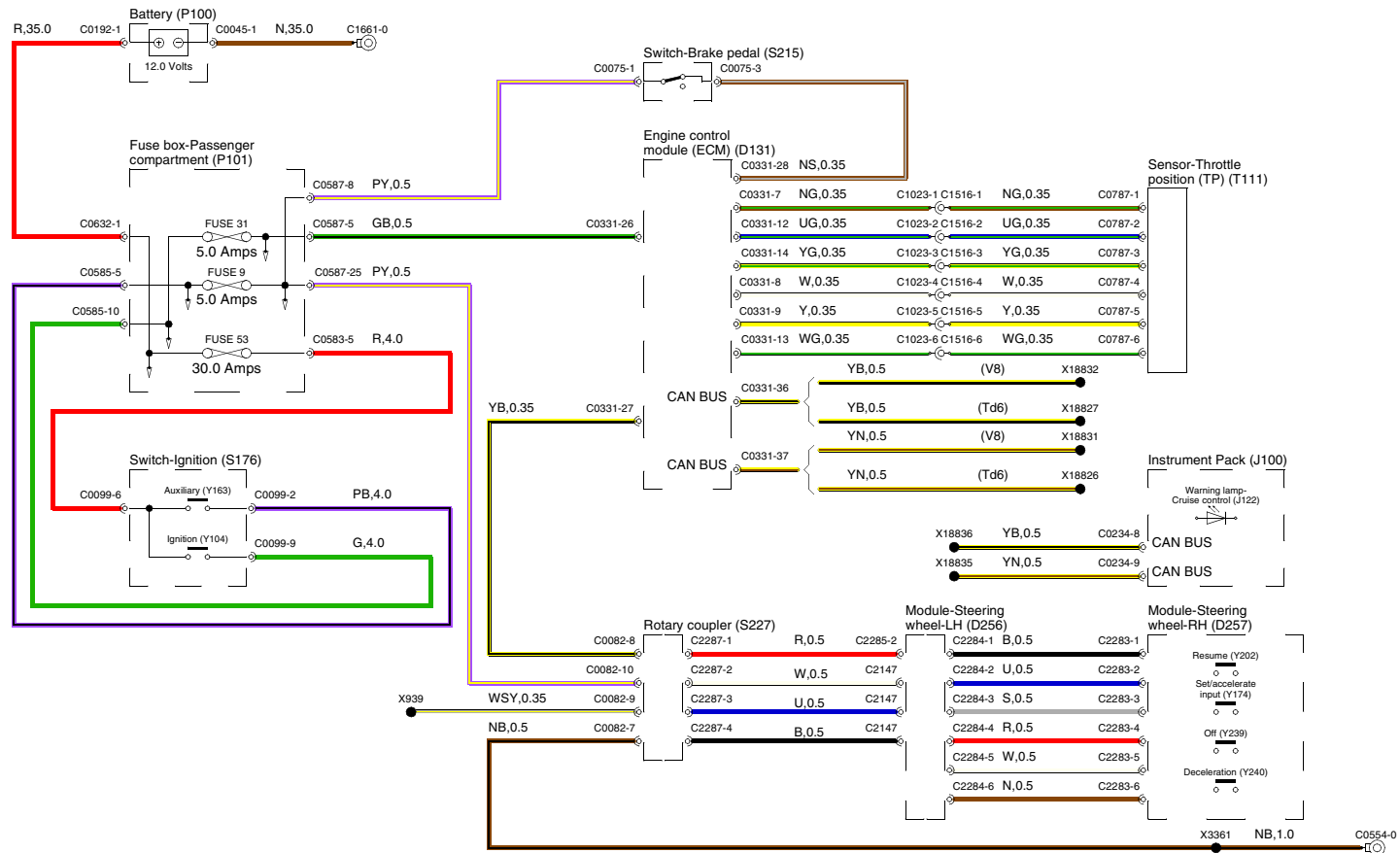


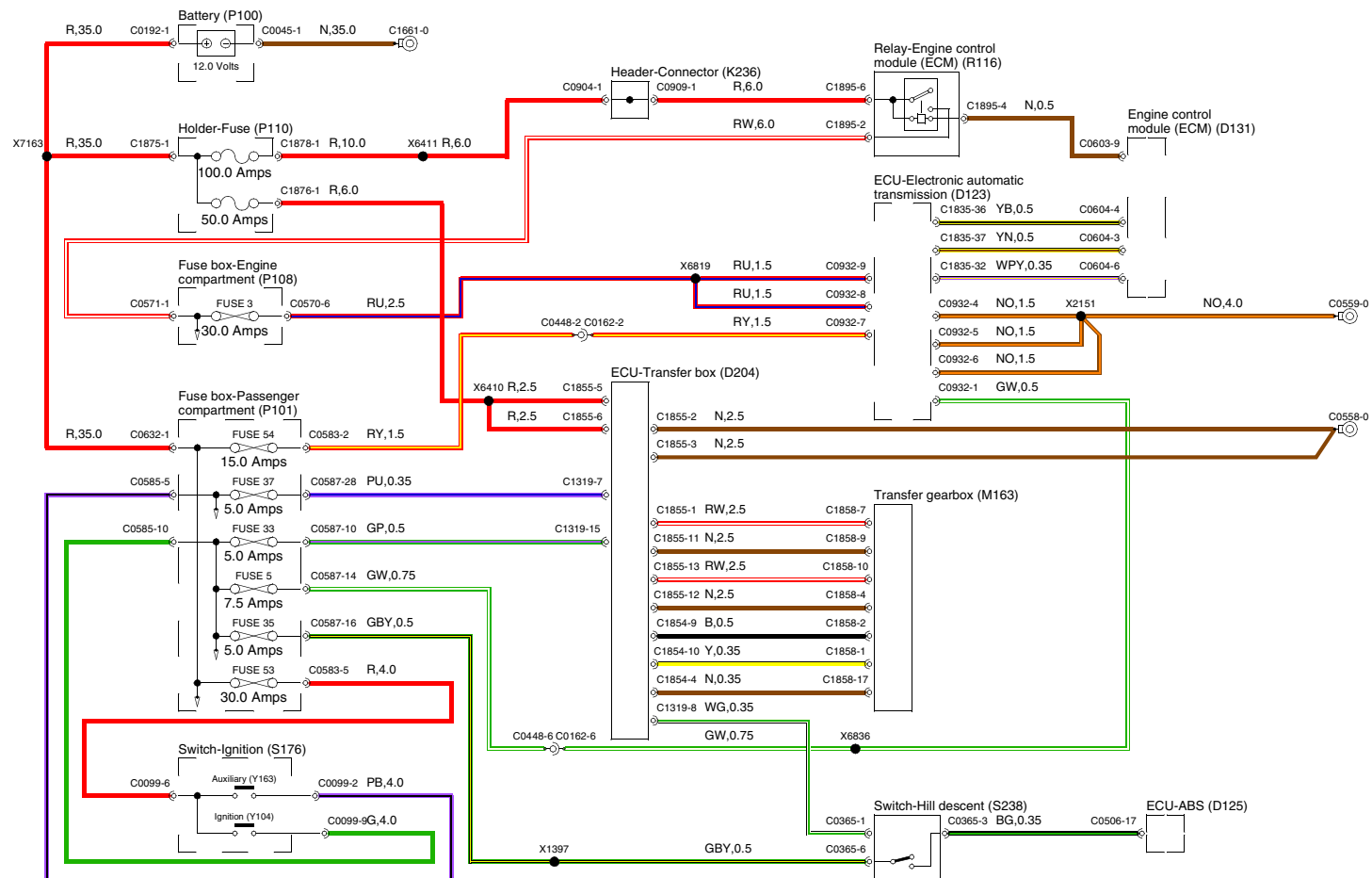
22 COOLING FANS

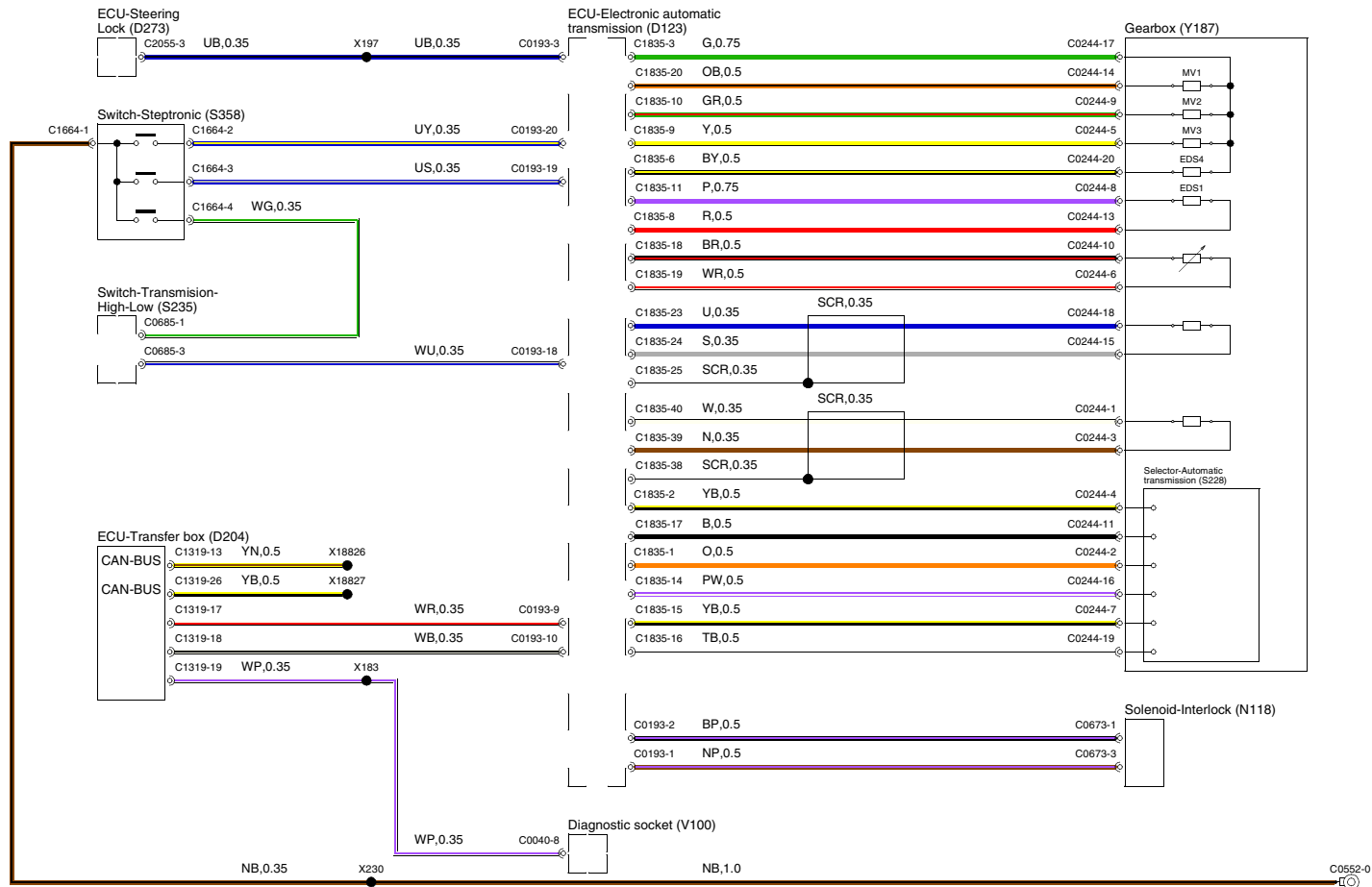


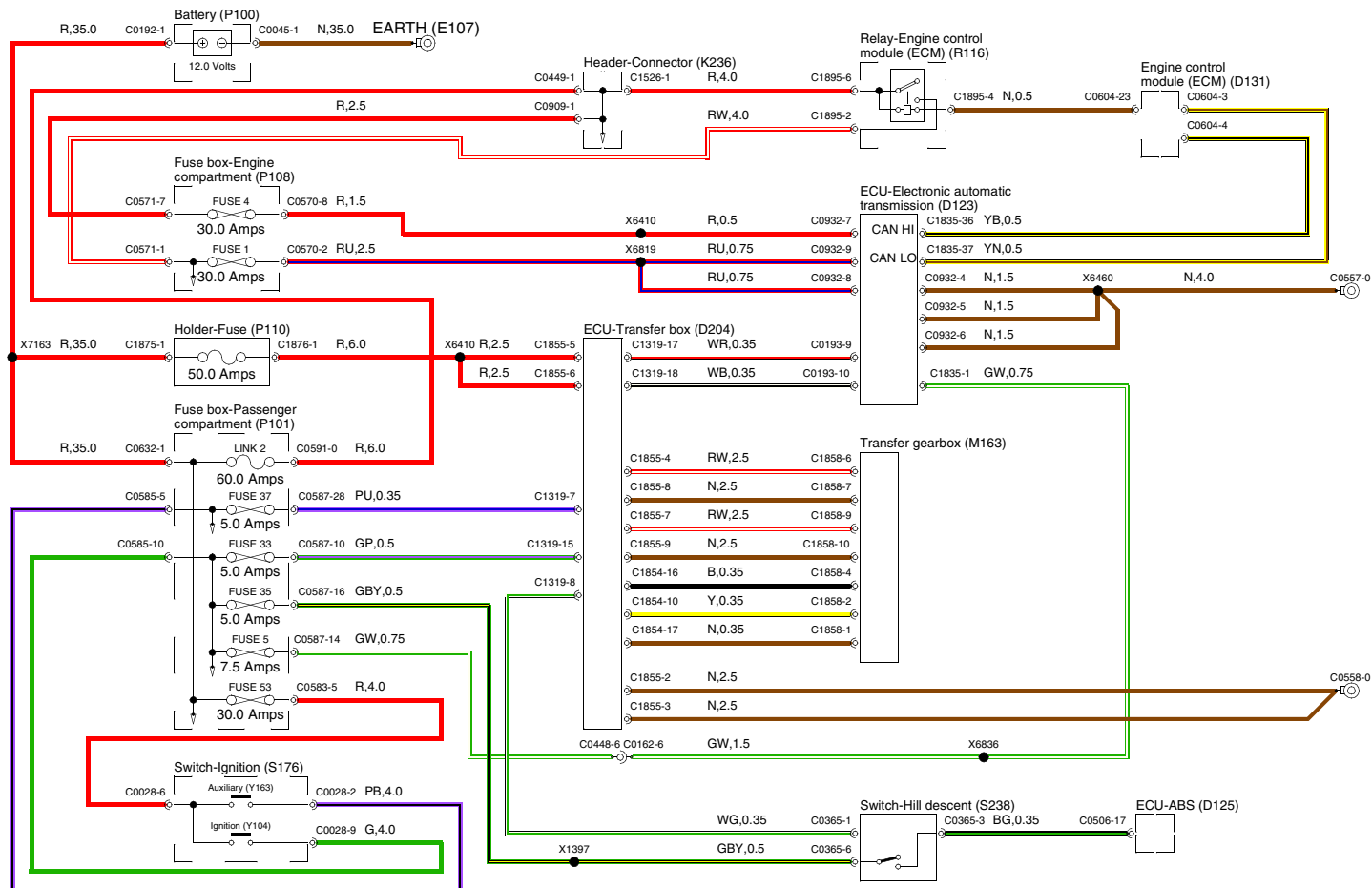


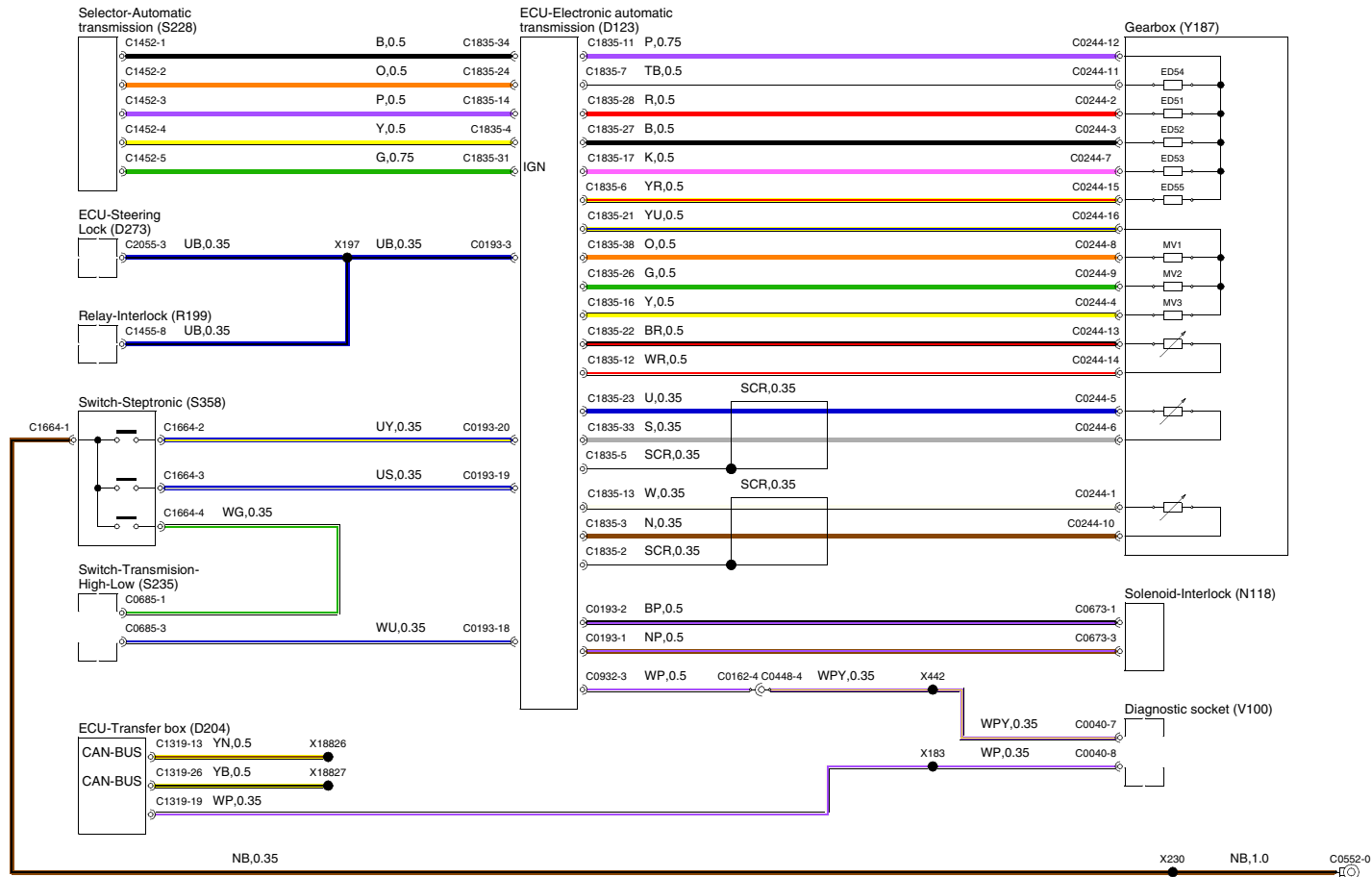
31 CRUISE CONTROL



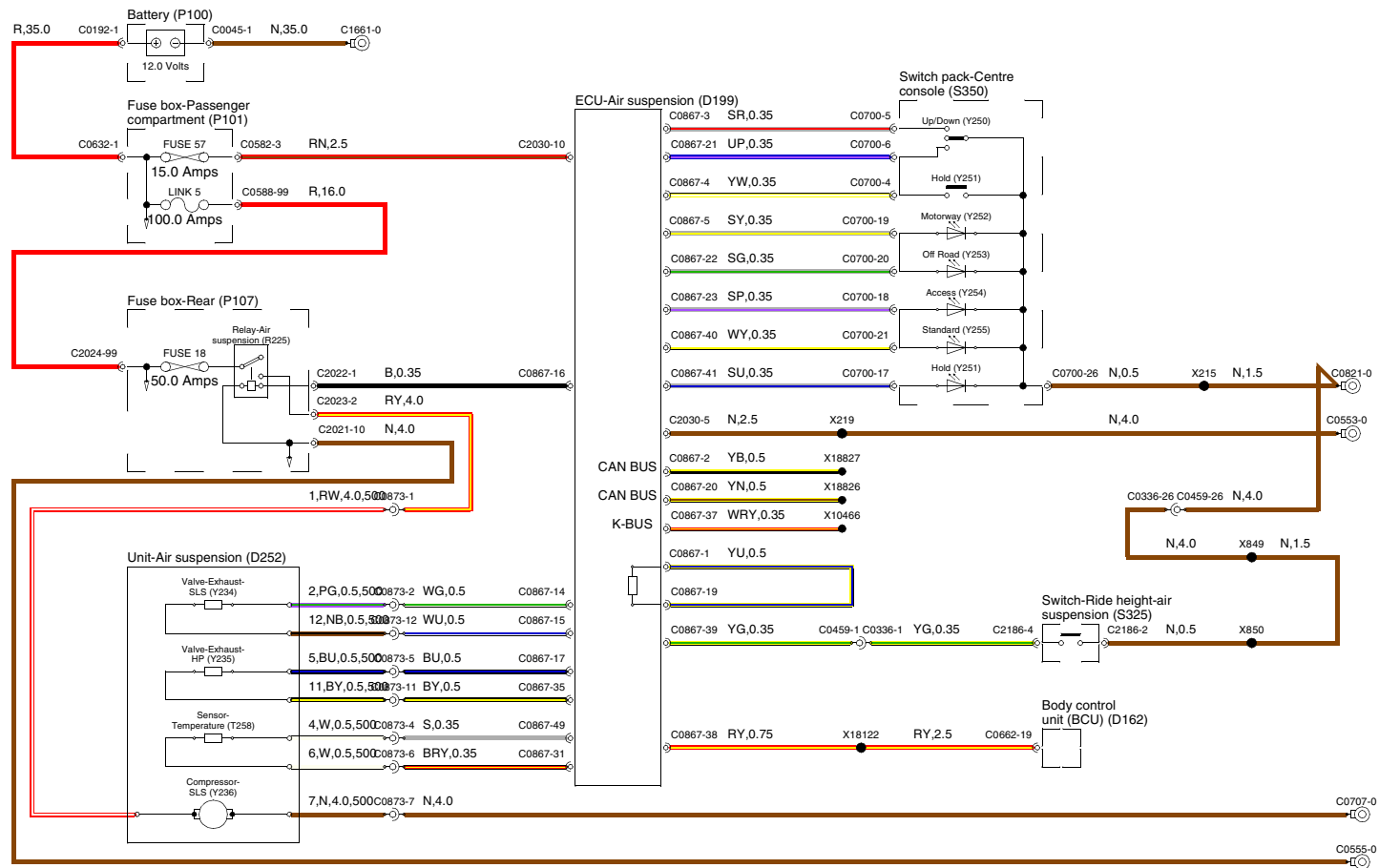


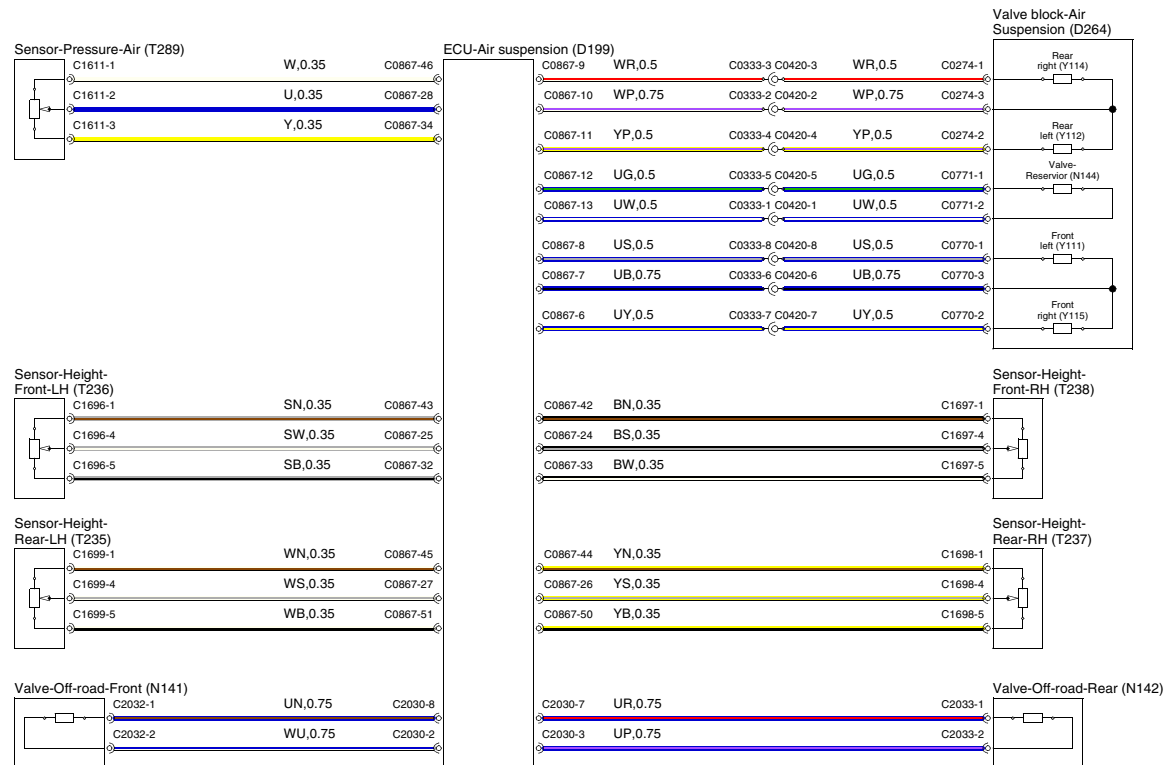




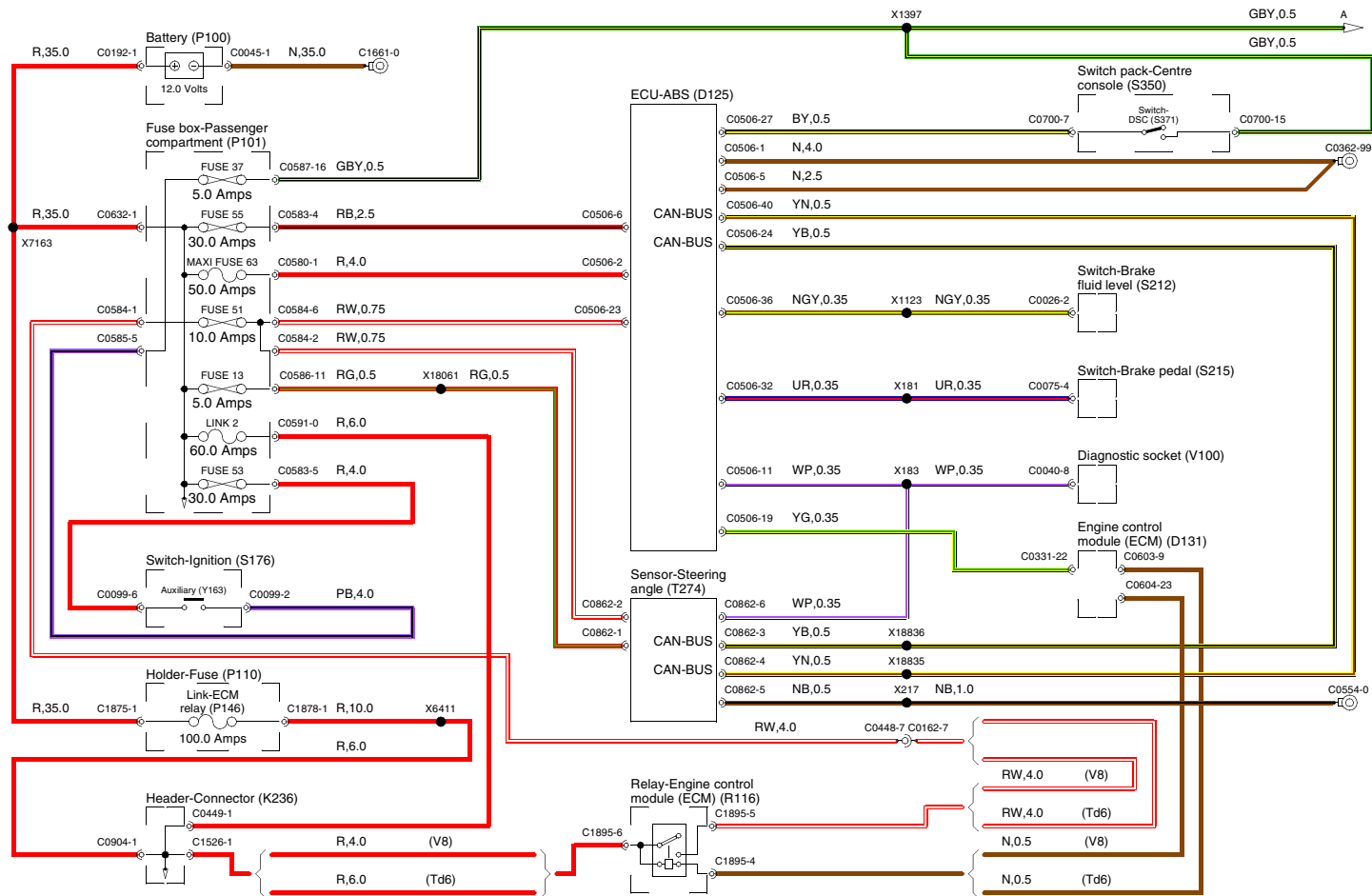


34 AIR SUSPENSION

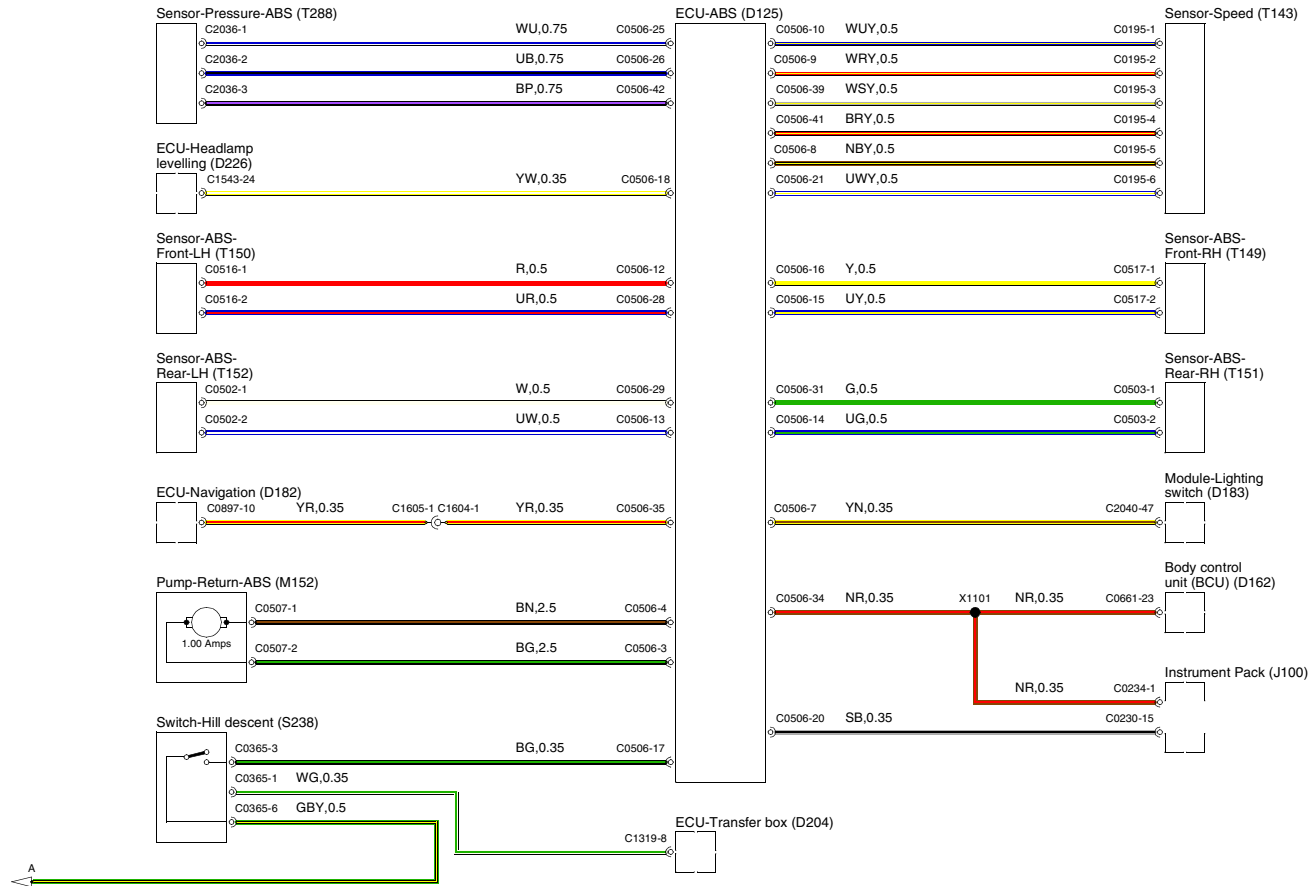


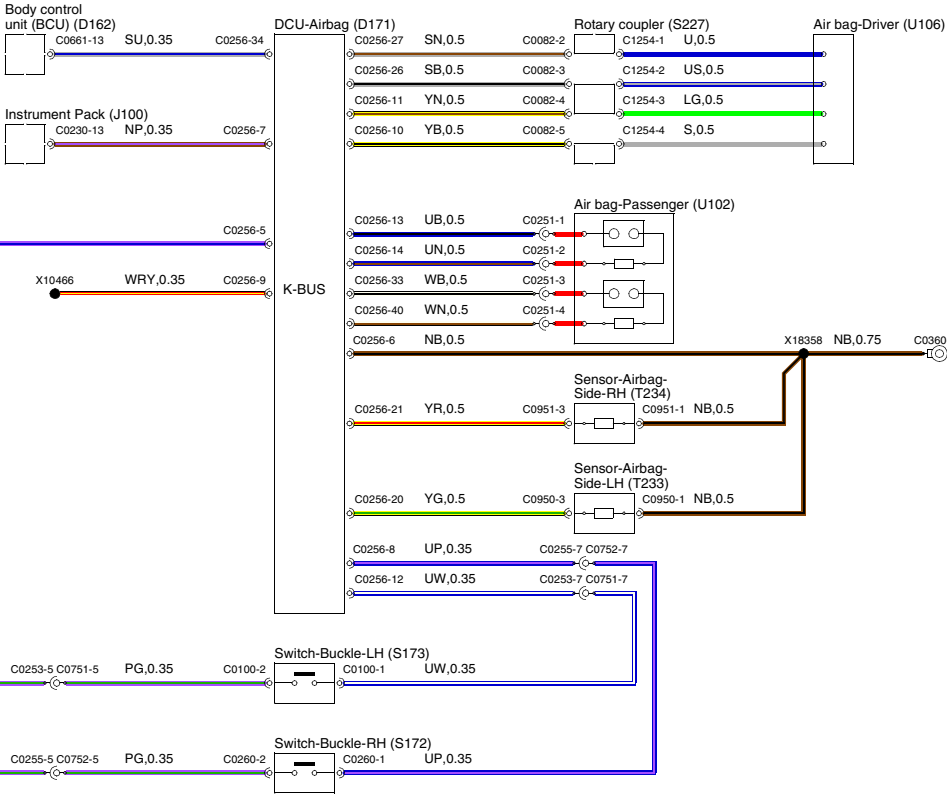


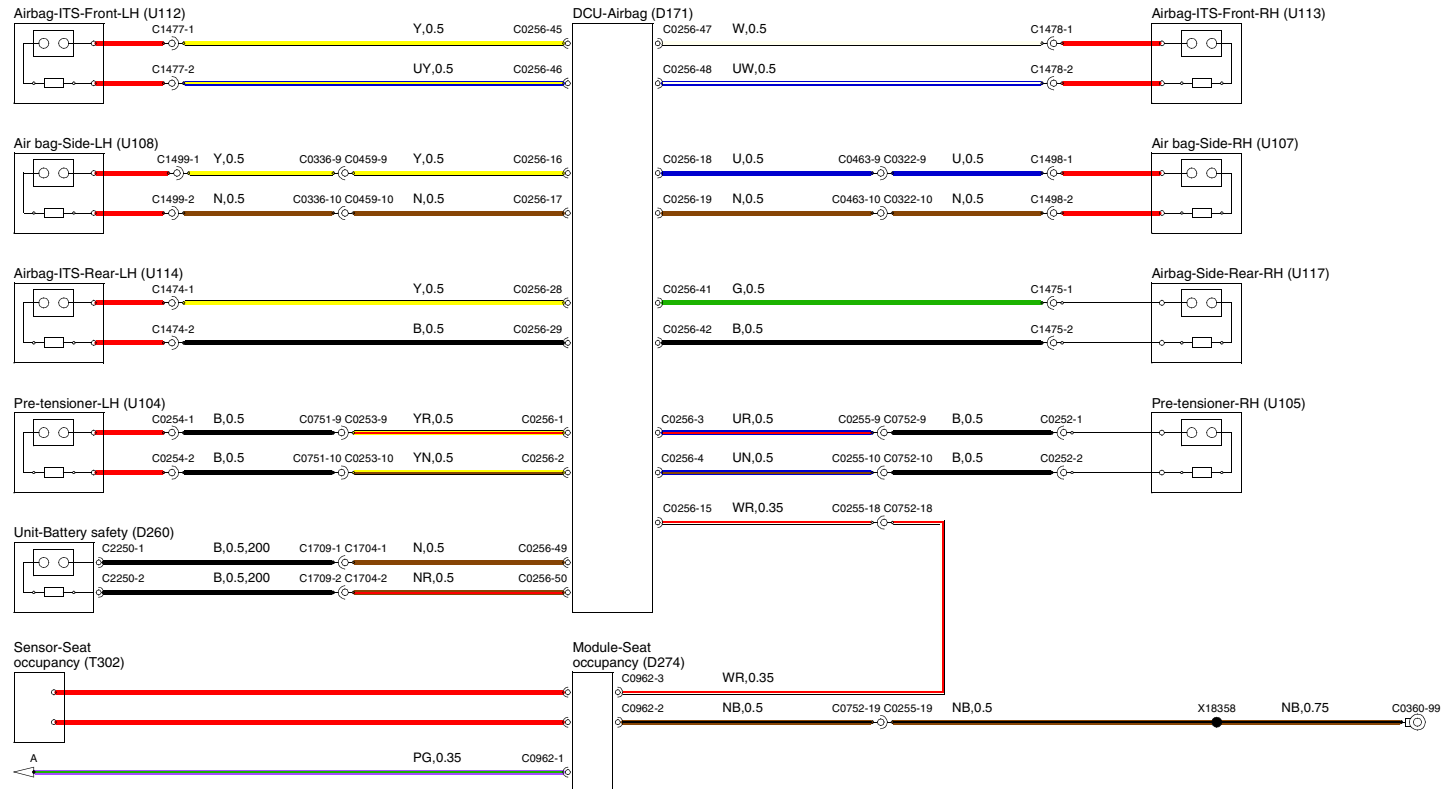
35 ANTI-LOCK BRAKING SYSTEM (ABS)

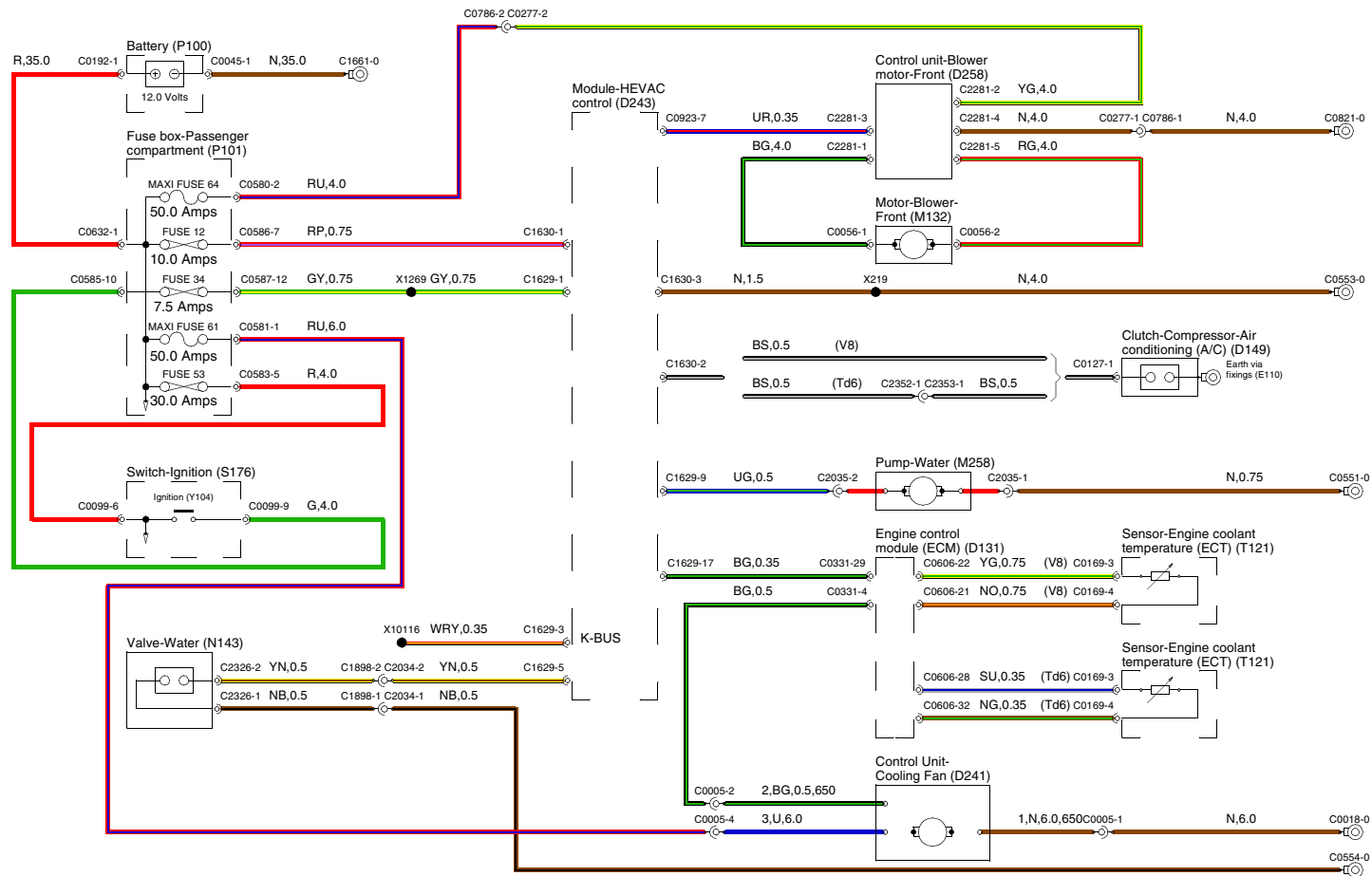


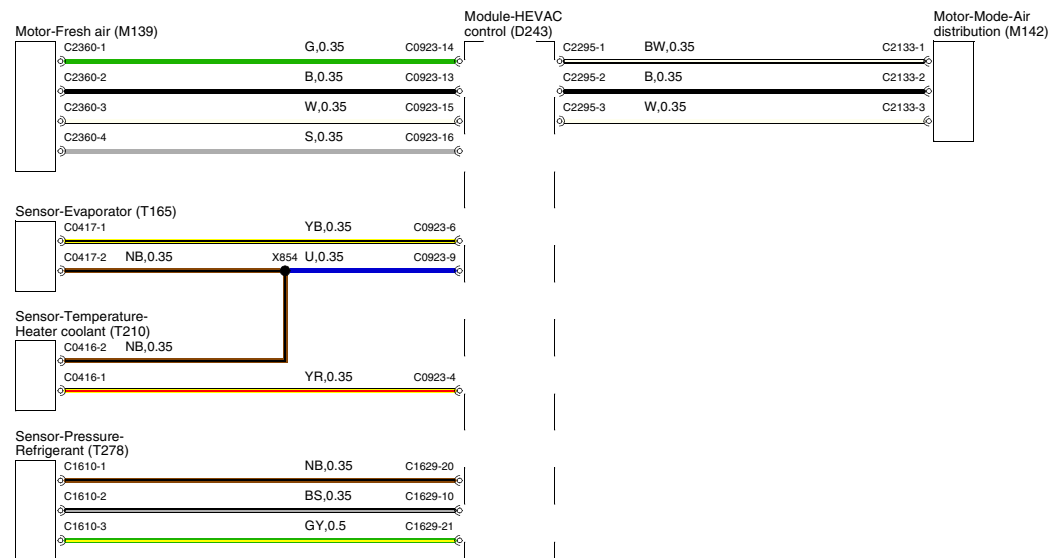
35 ANTI-LOCK BRAKING SYSTEM (ABS)

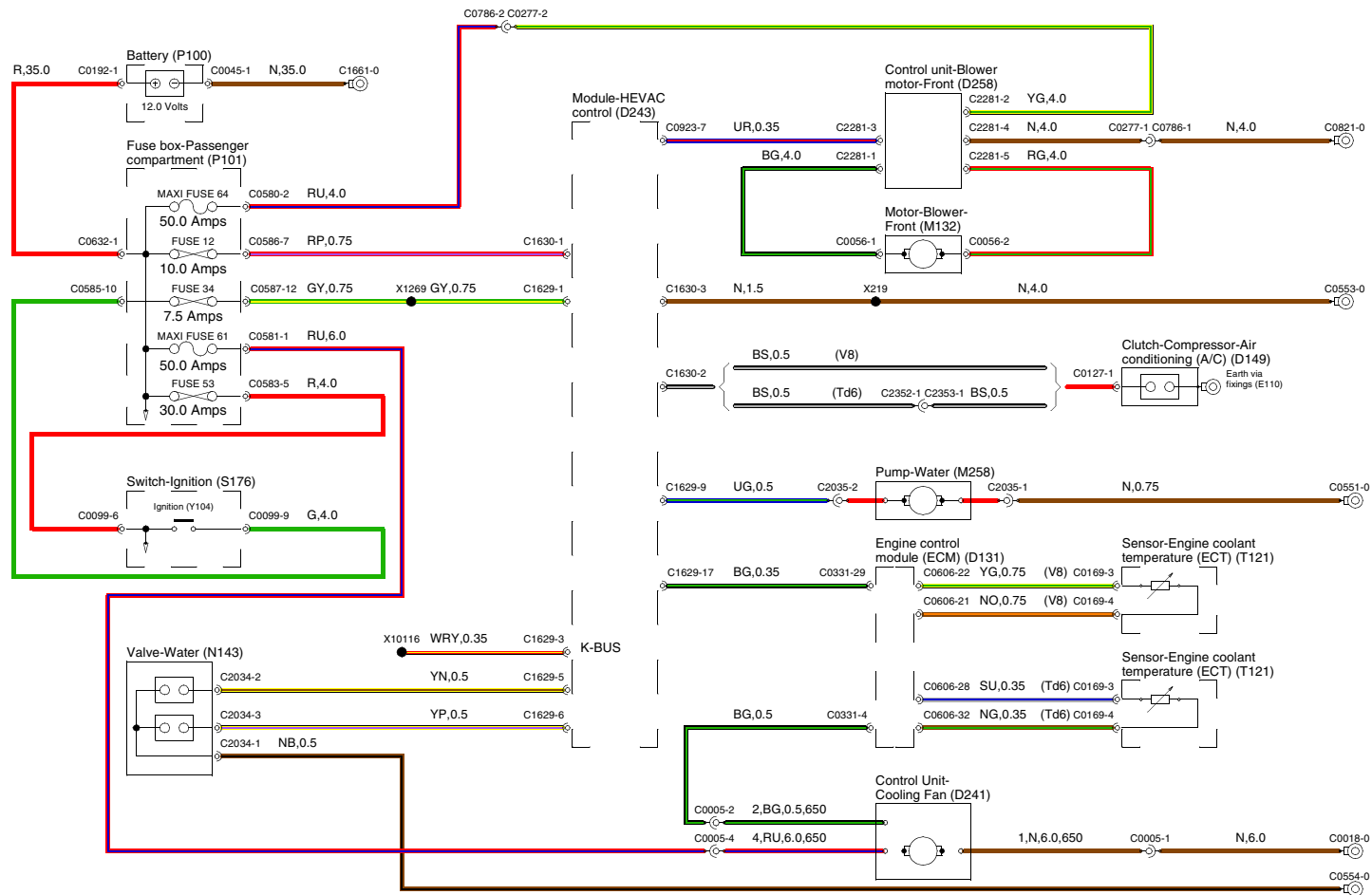


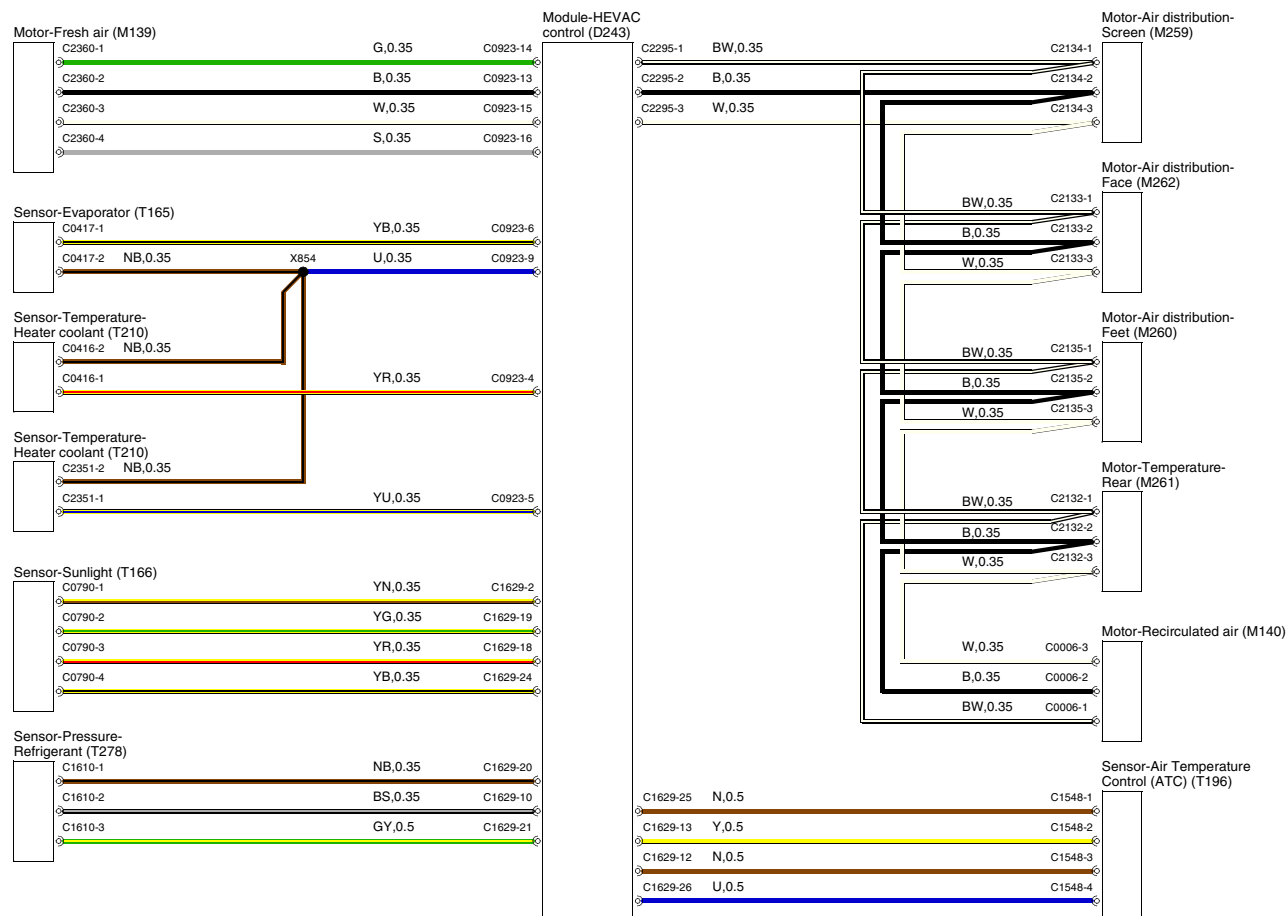


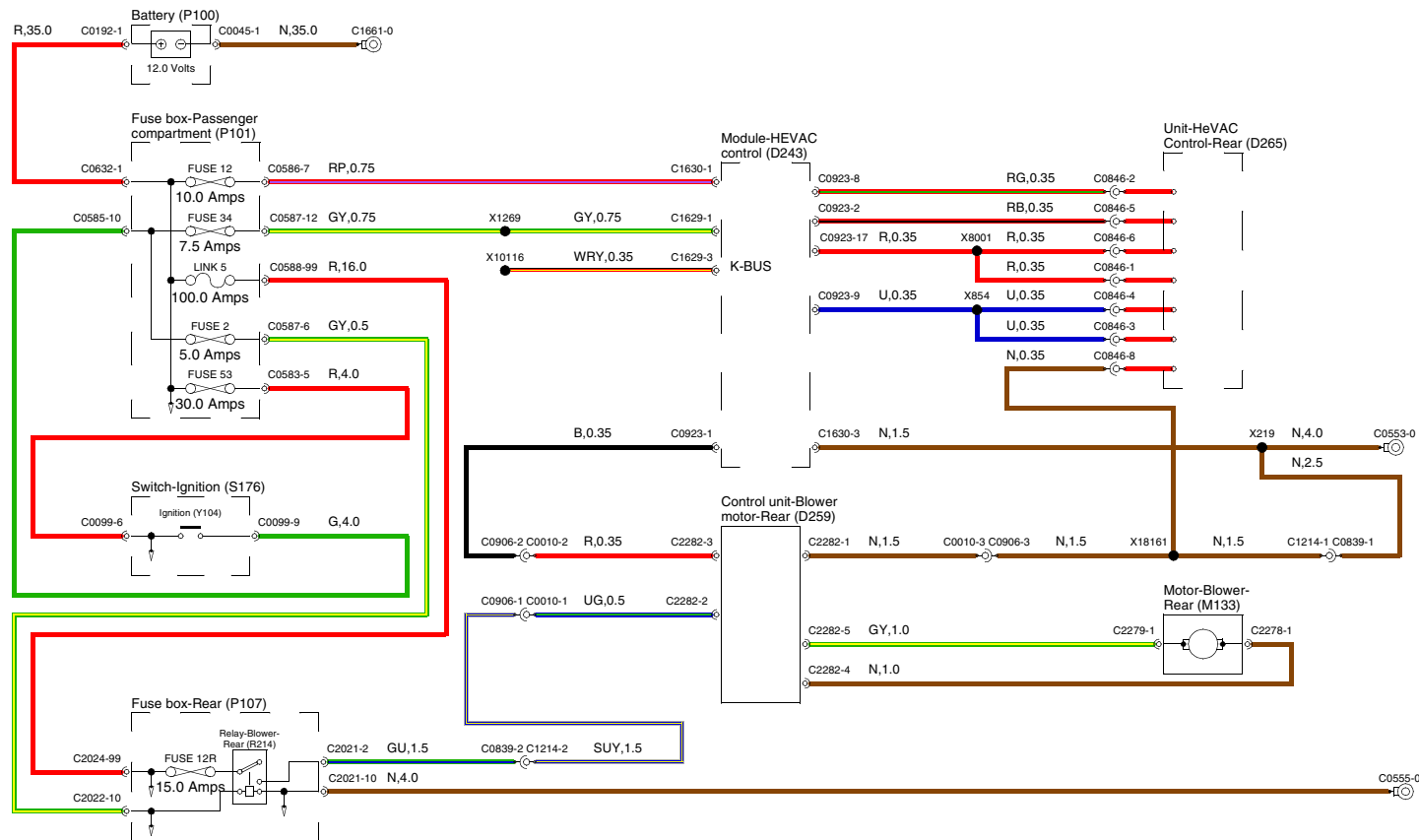


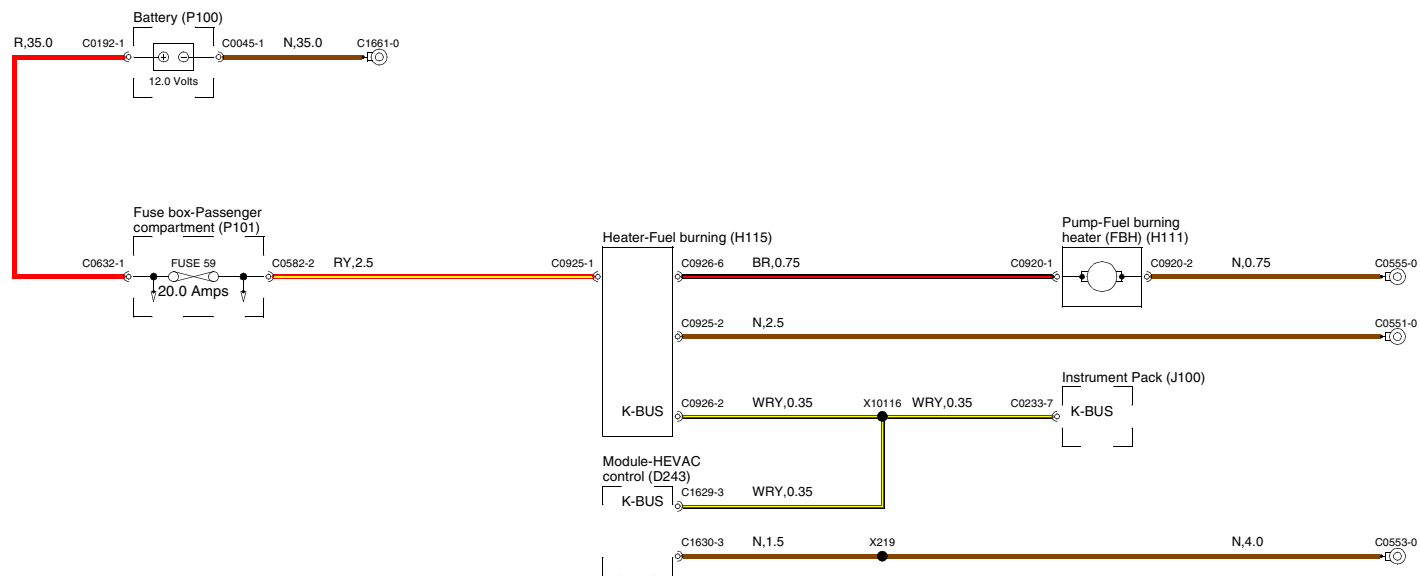


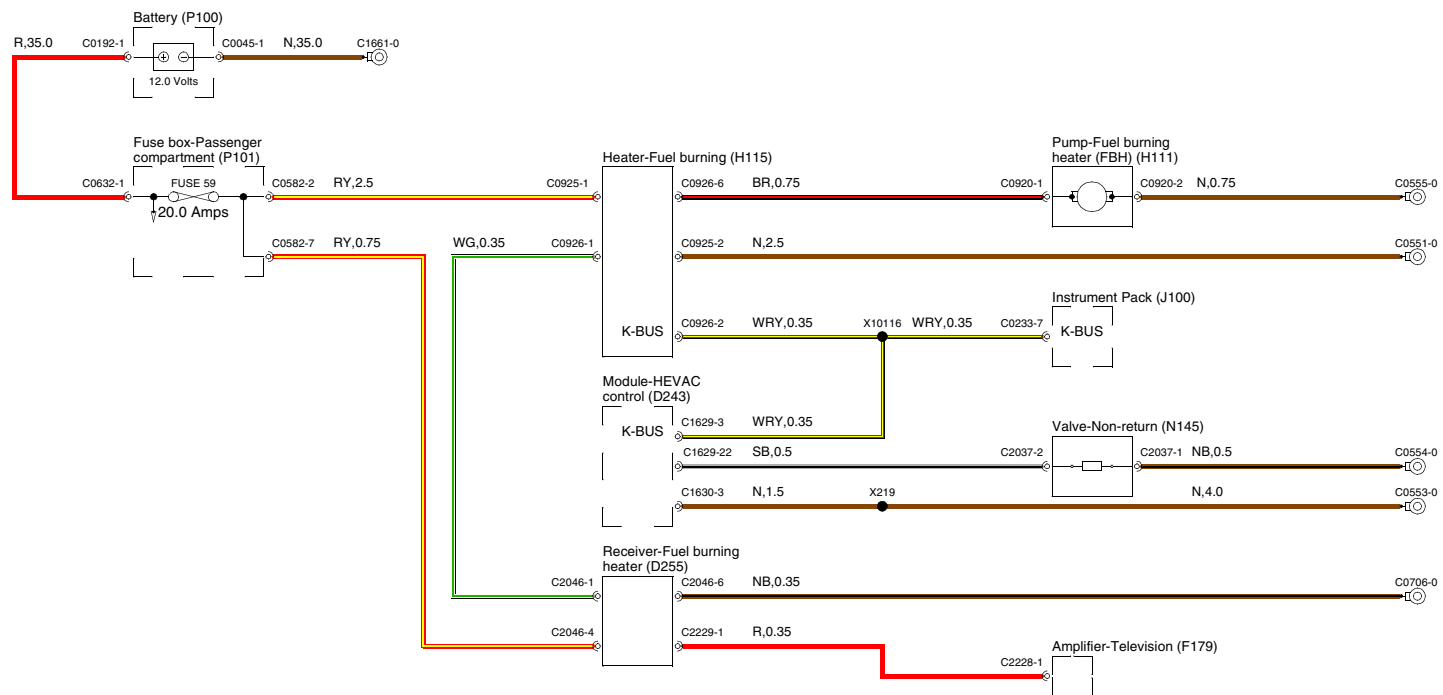




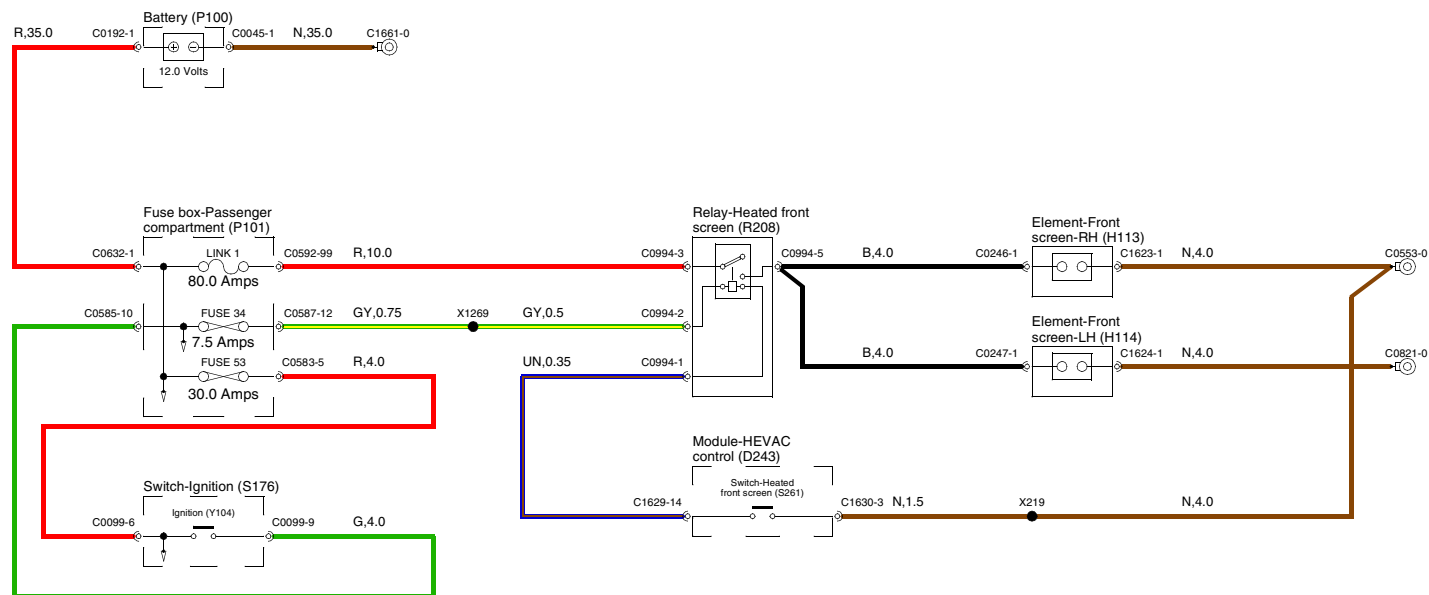




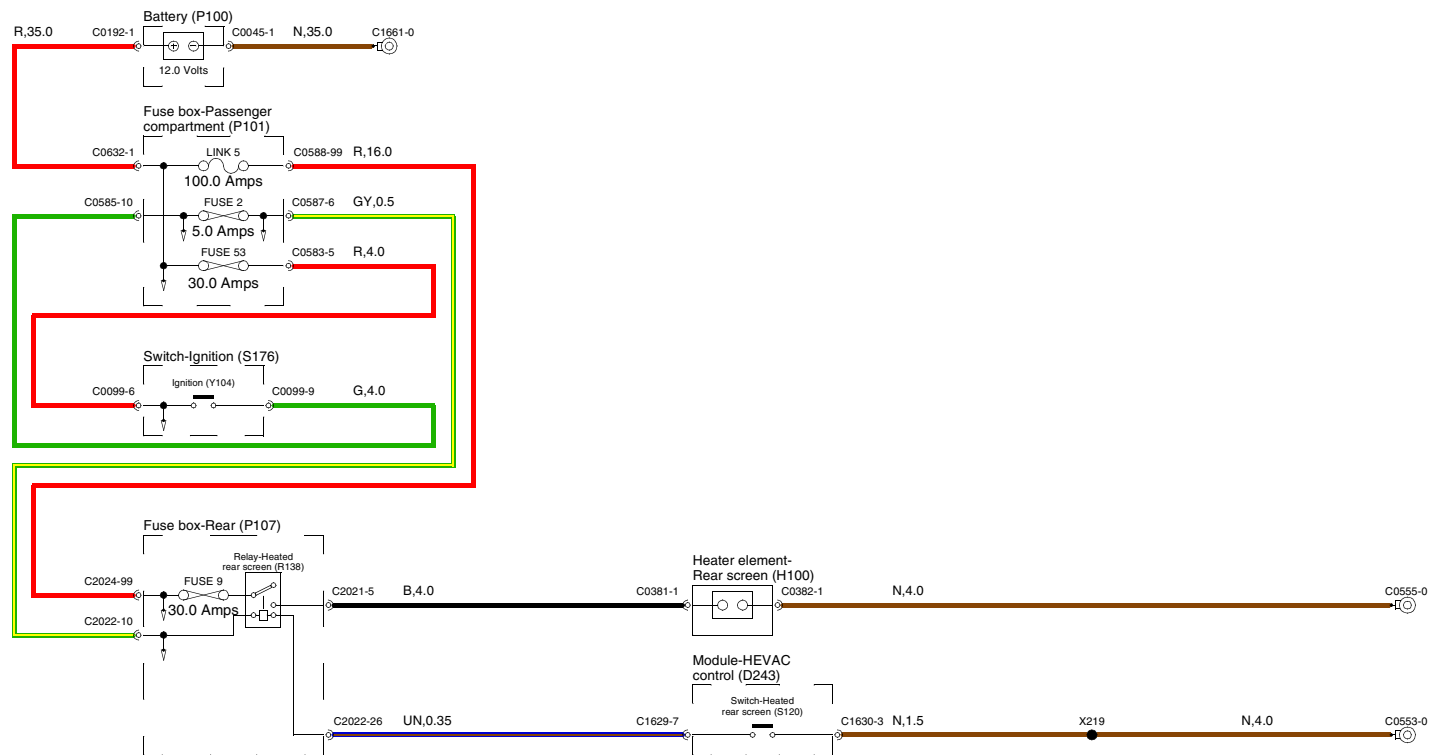


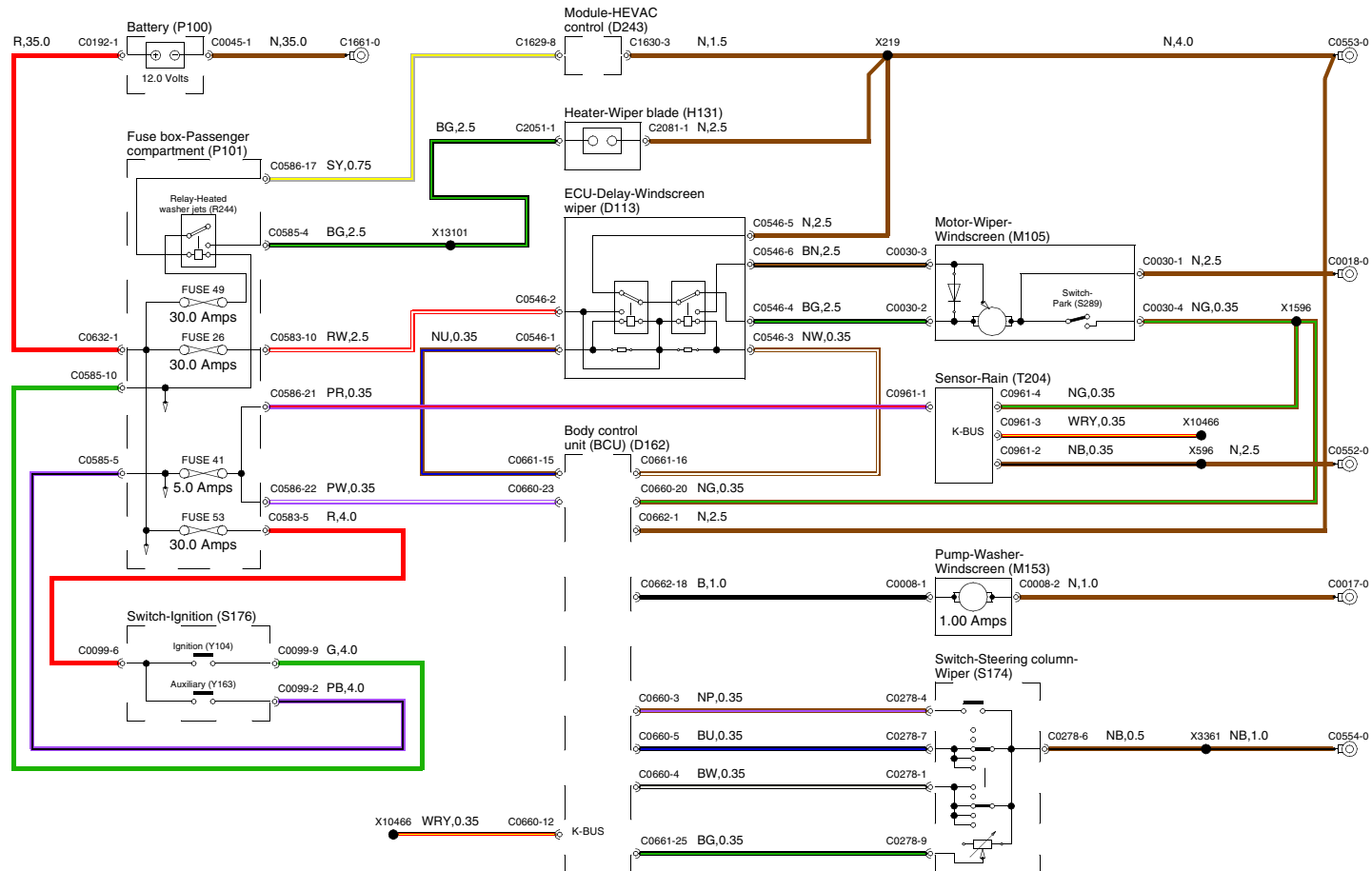


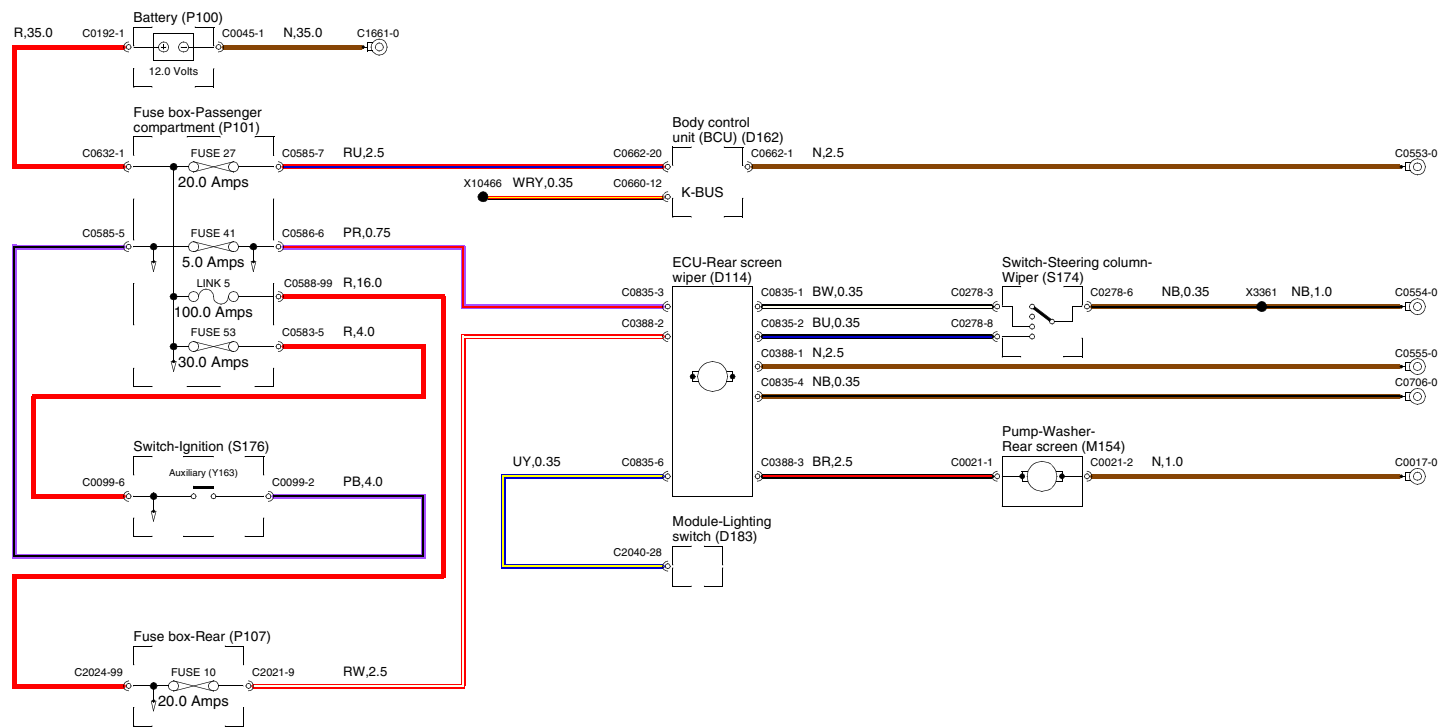
40 HEATED FRONT SCREEN

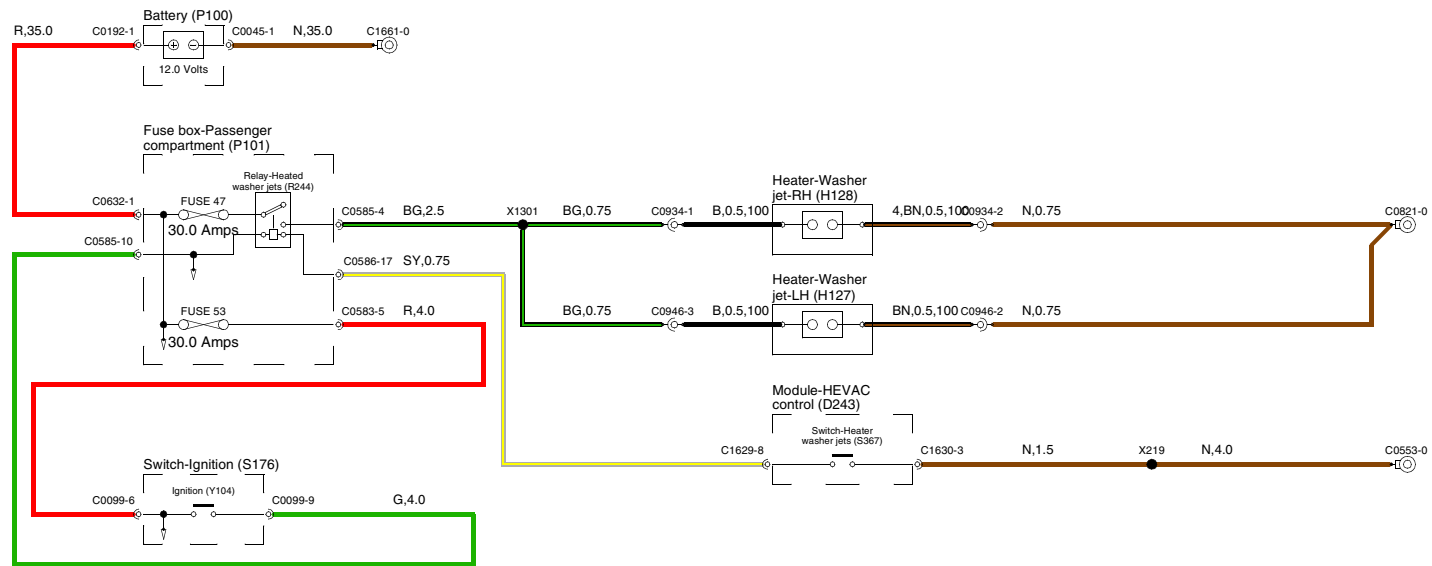


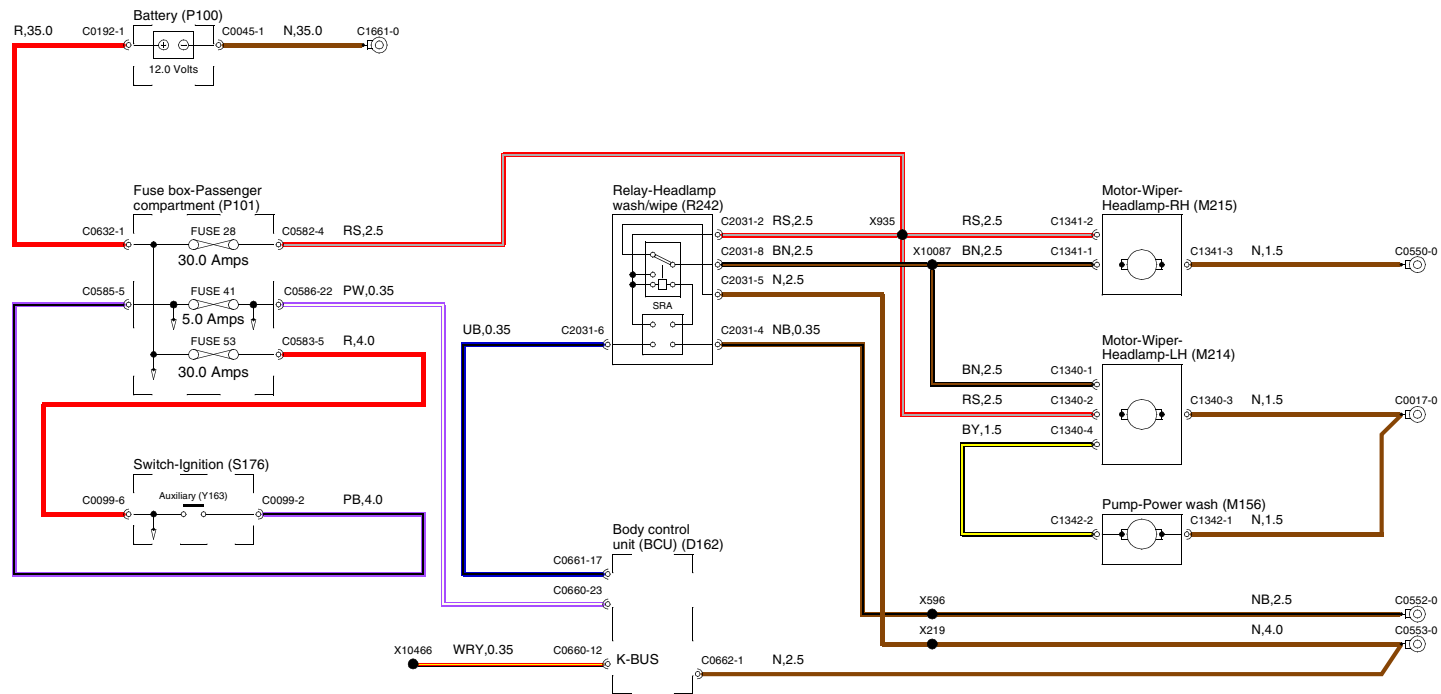
40 HEATED REAR SCREEN

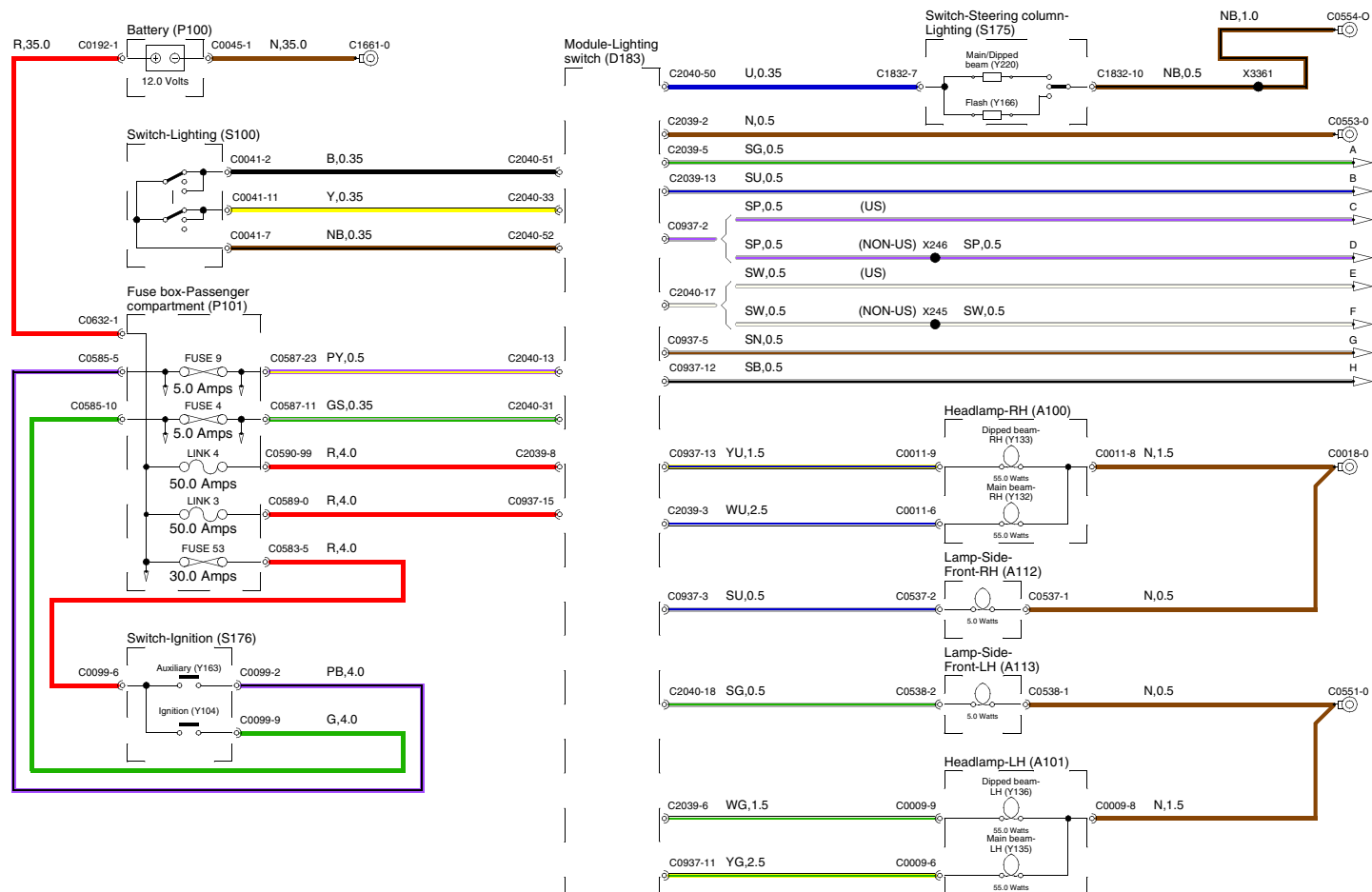


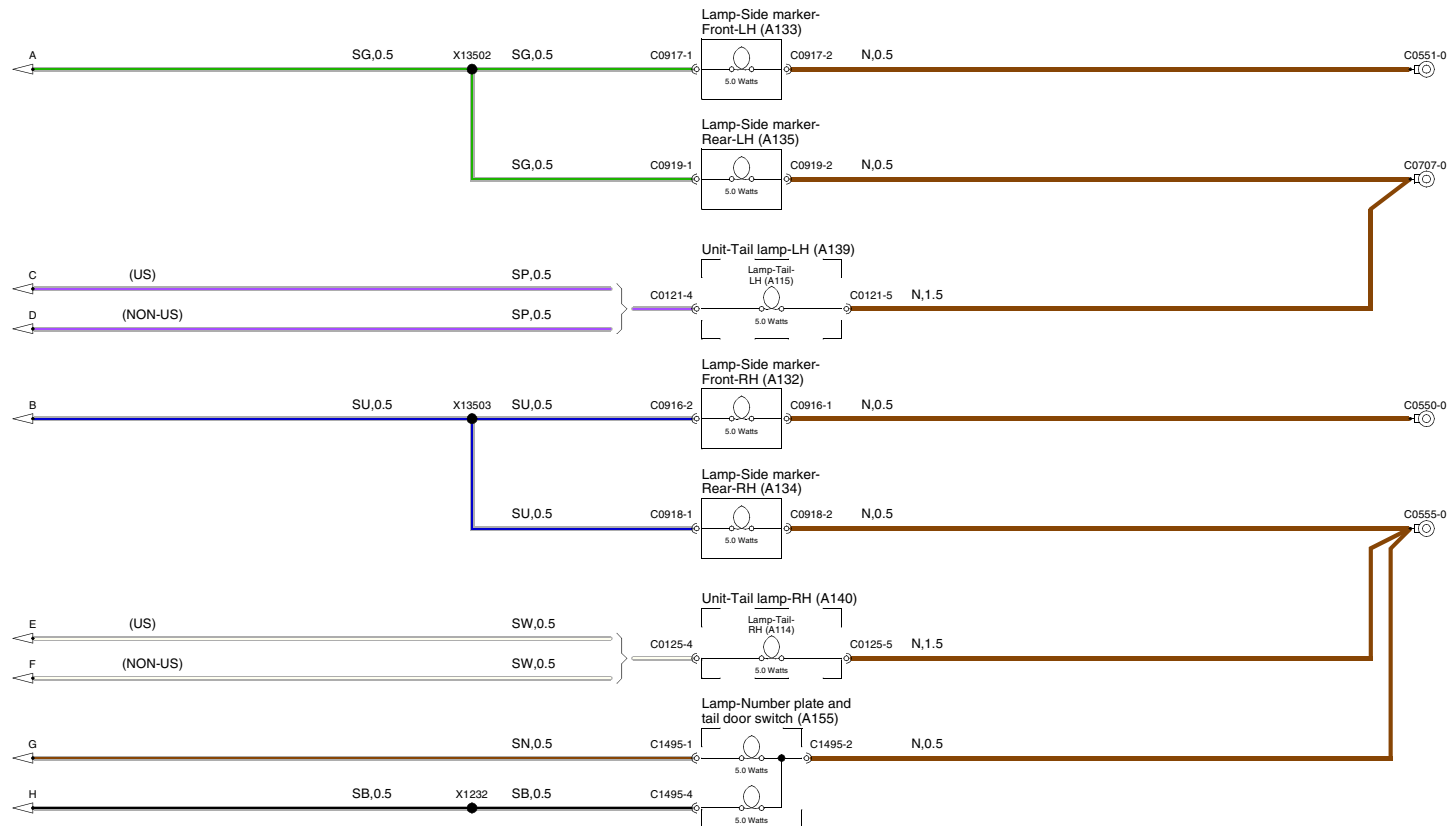


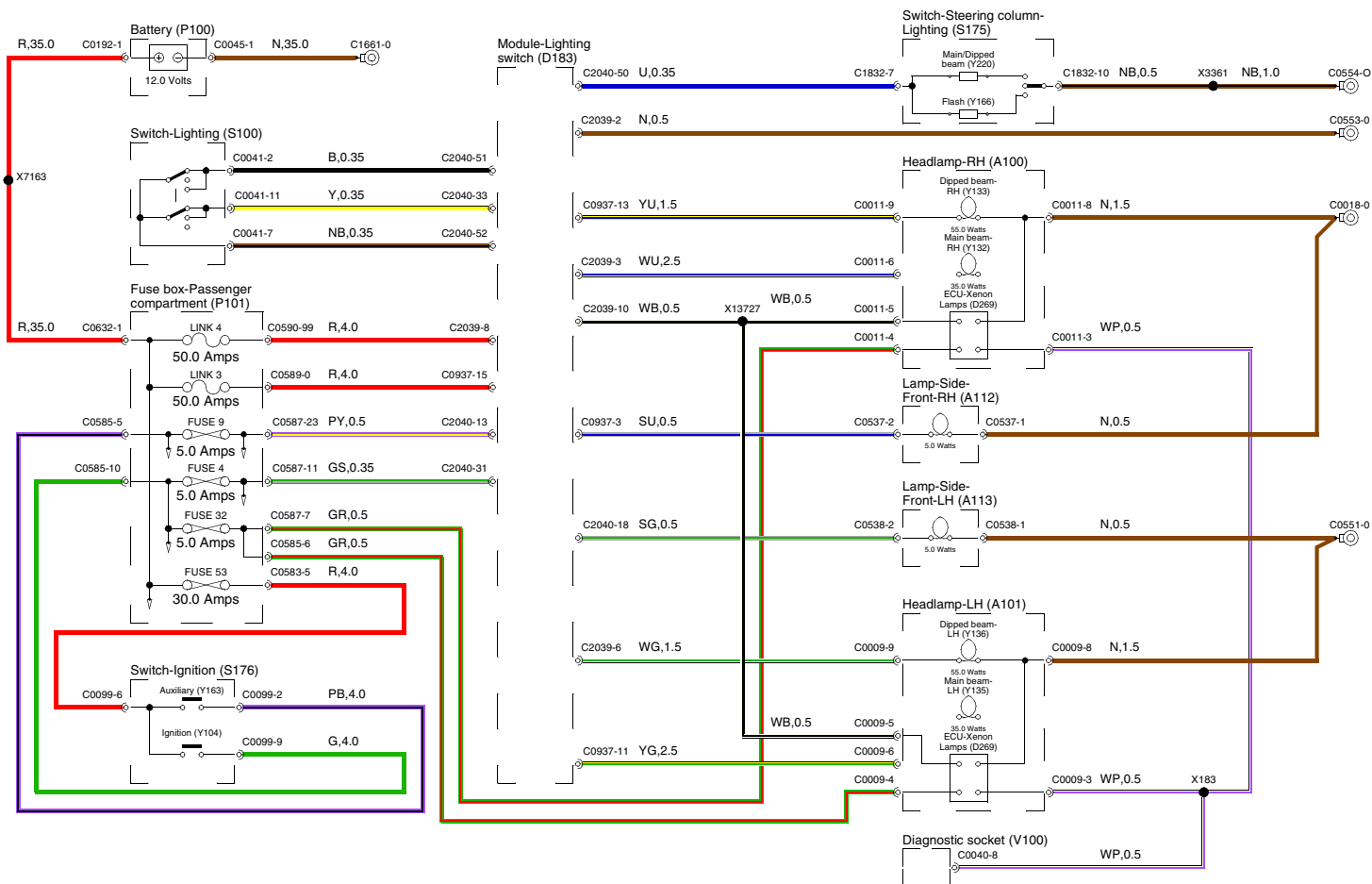


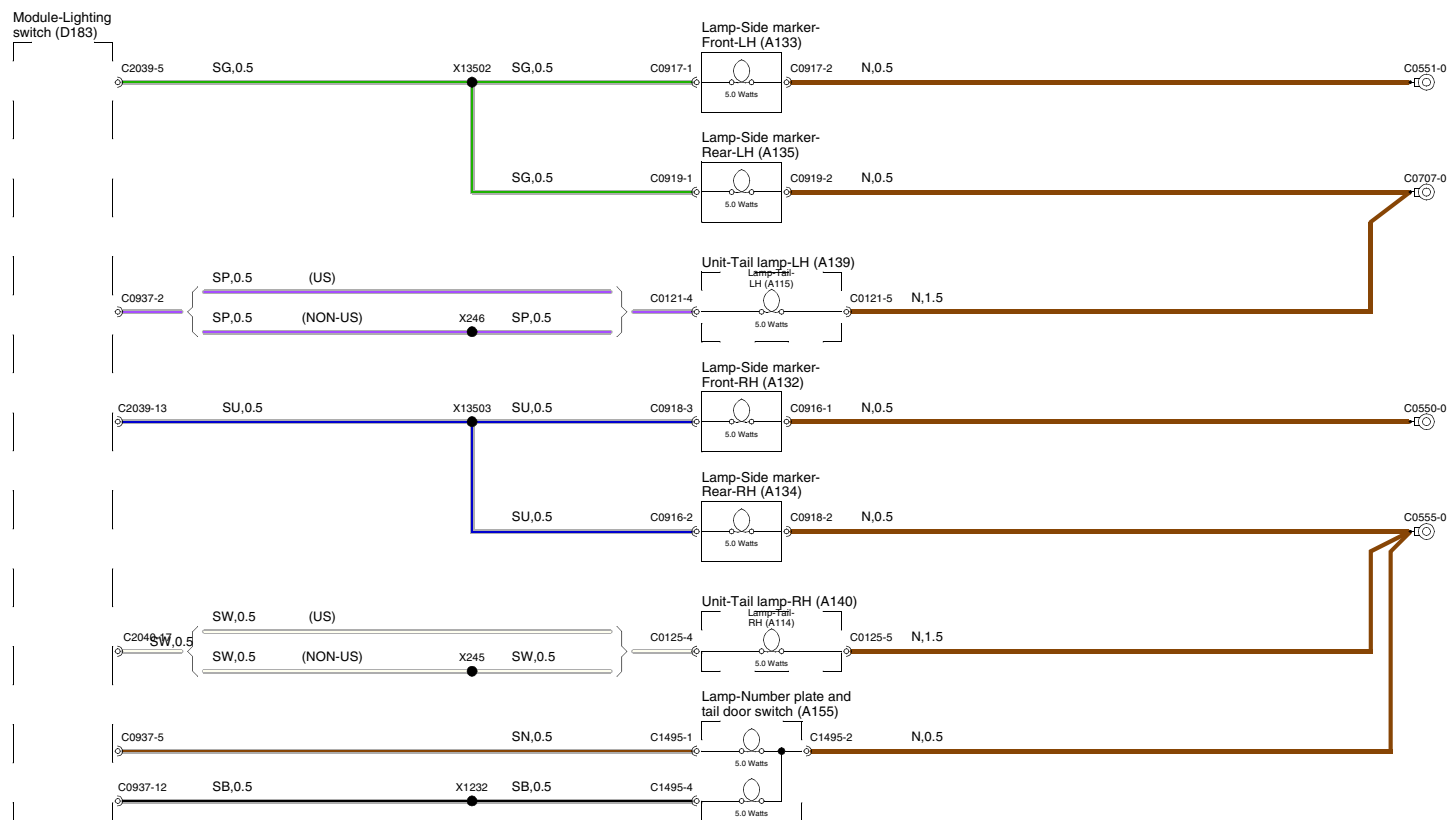


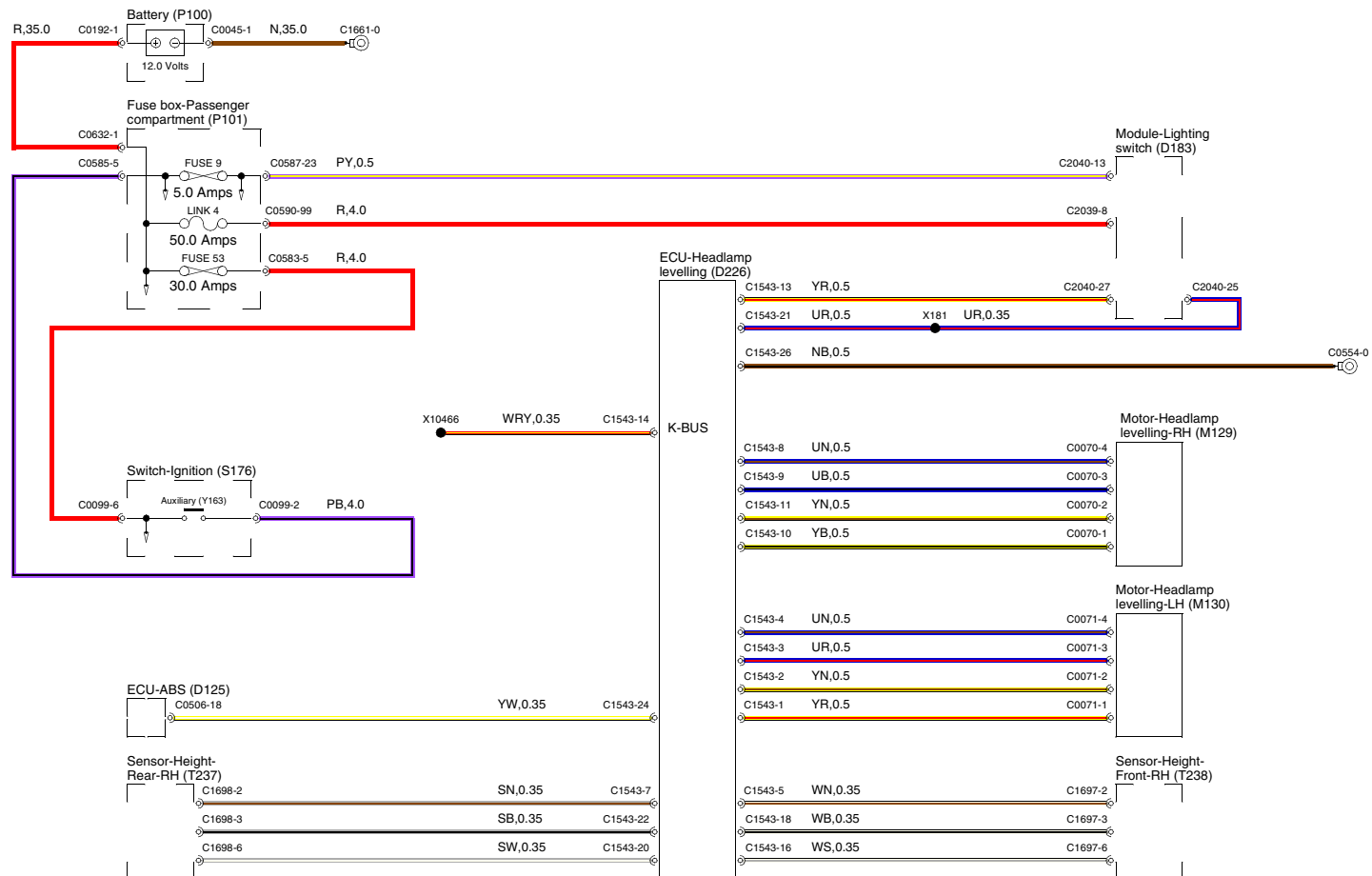


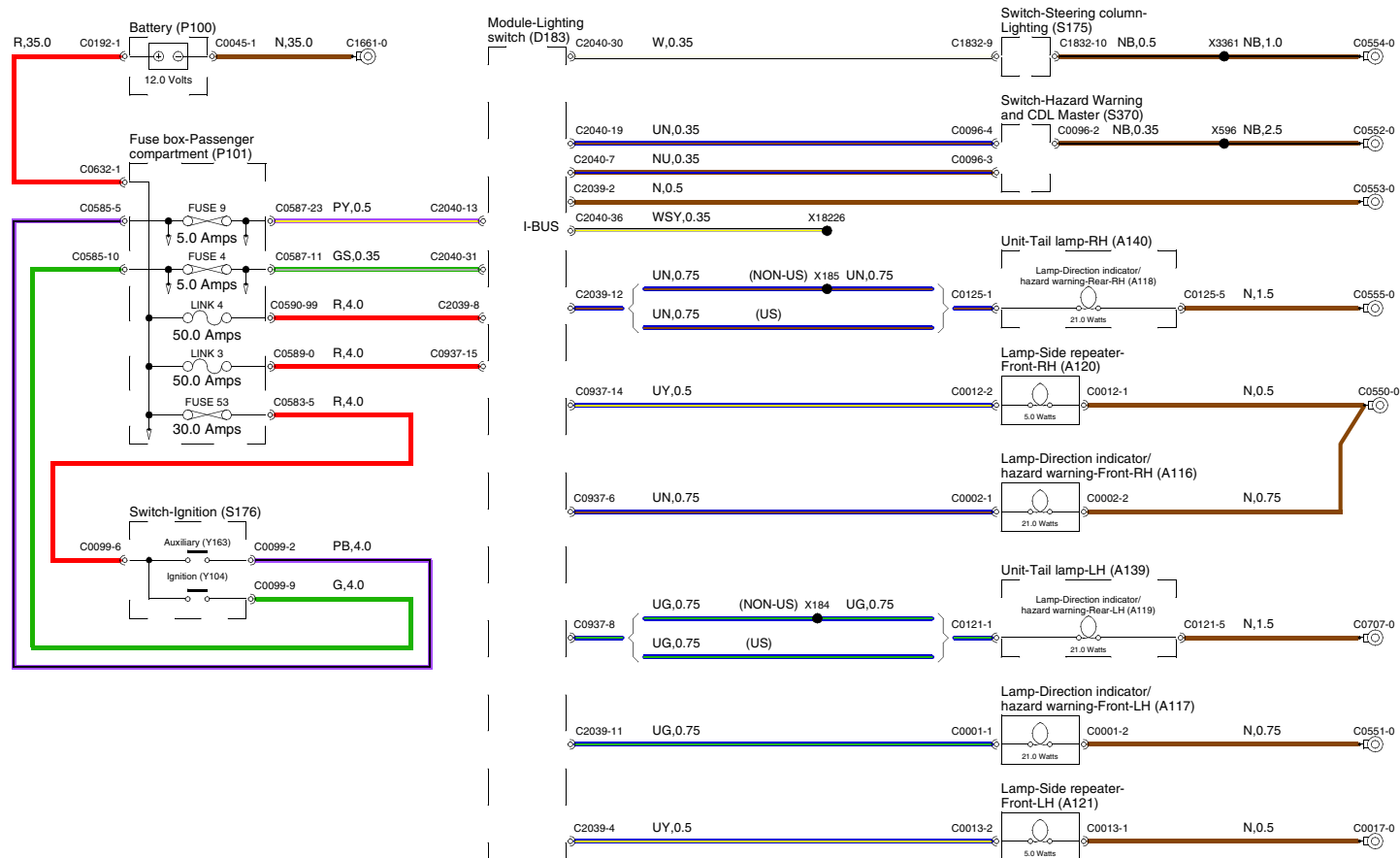


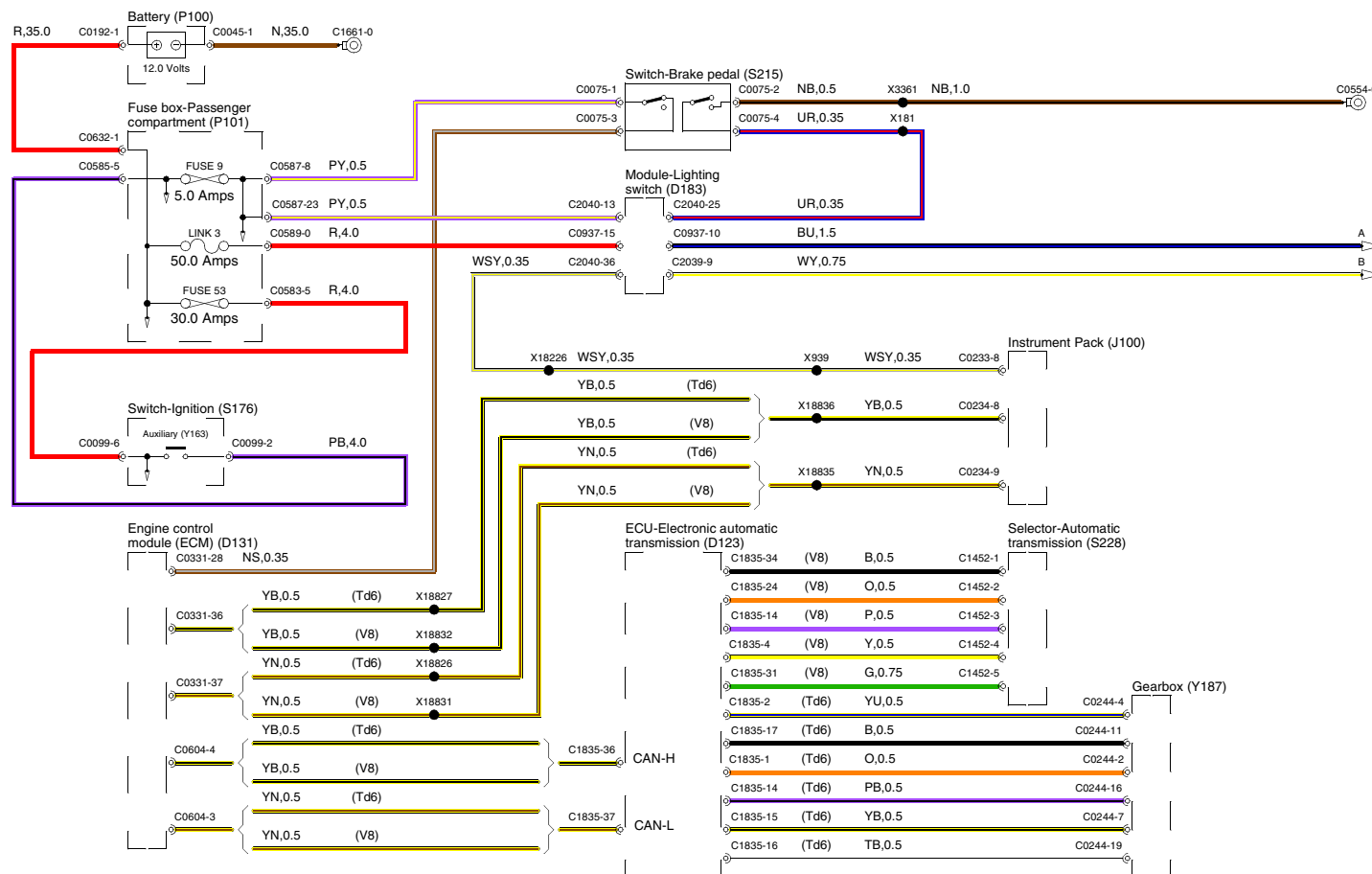


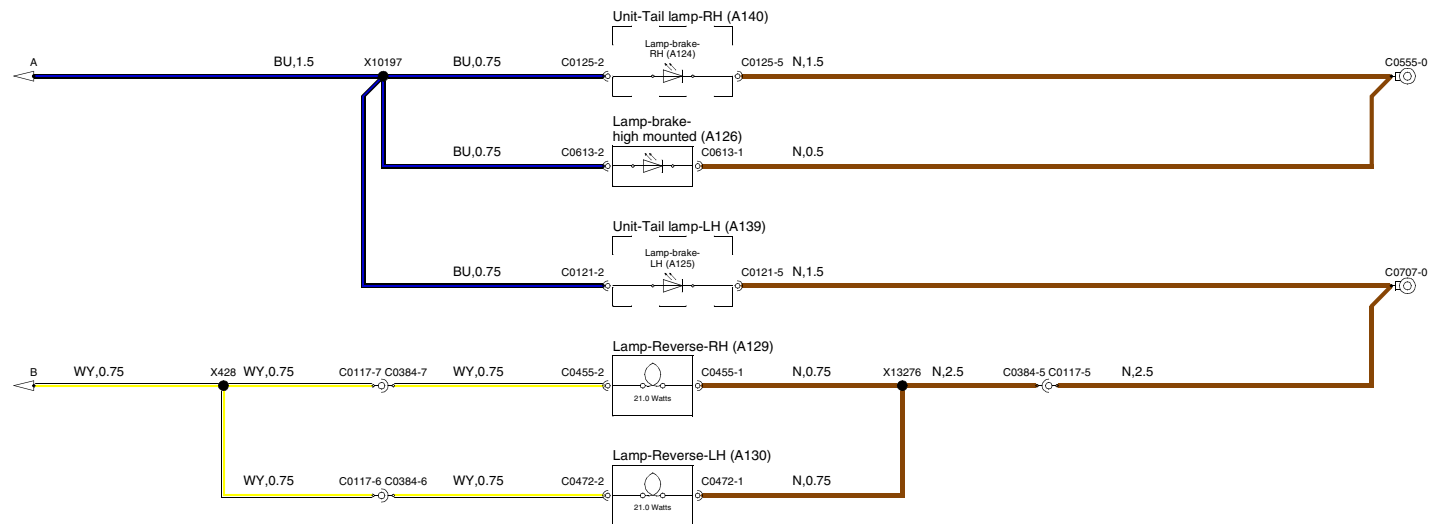


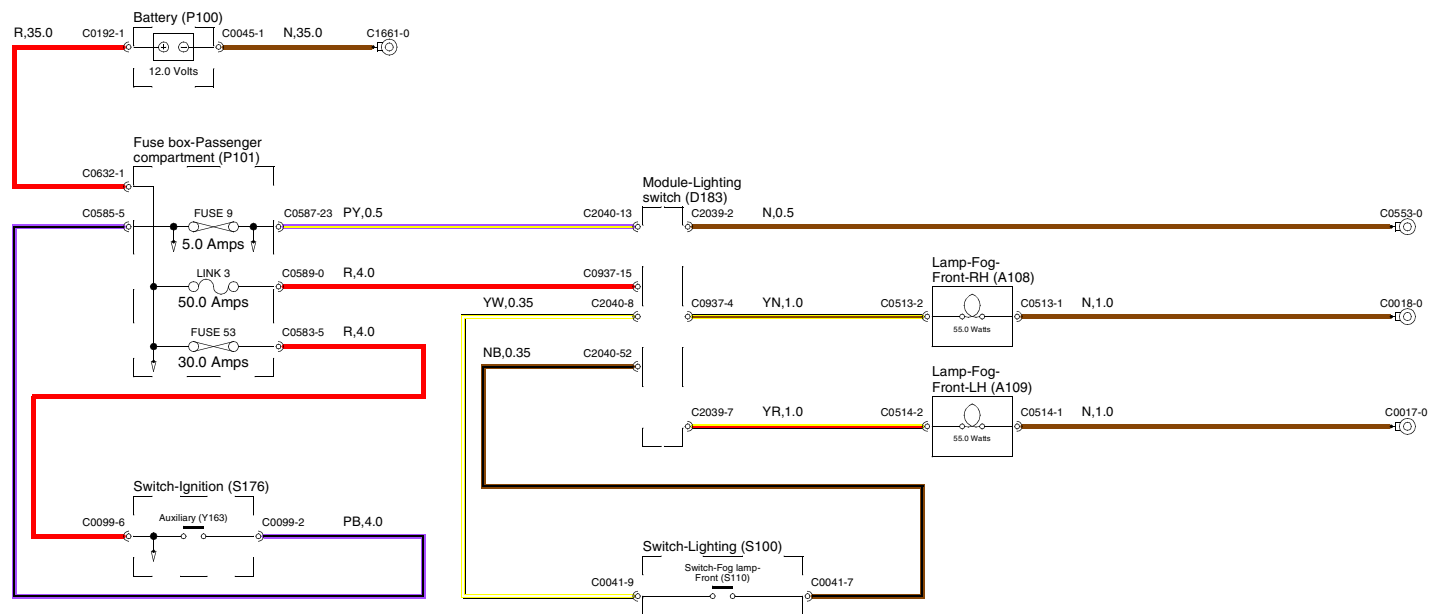


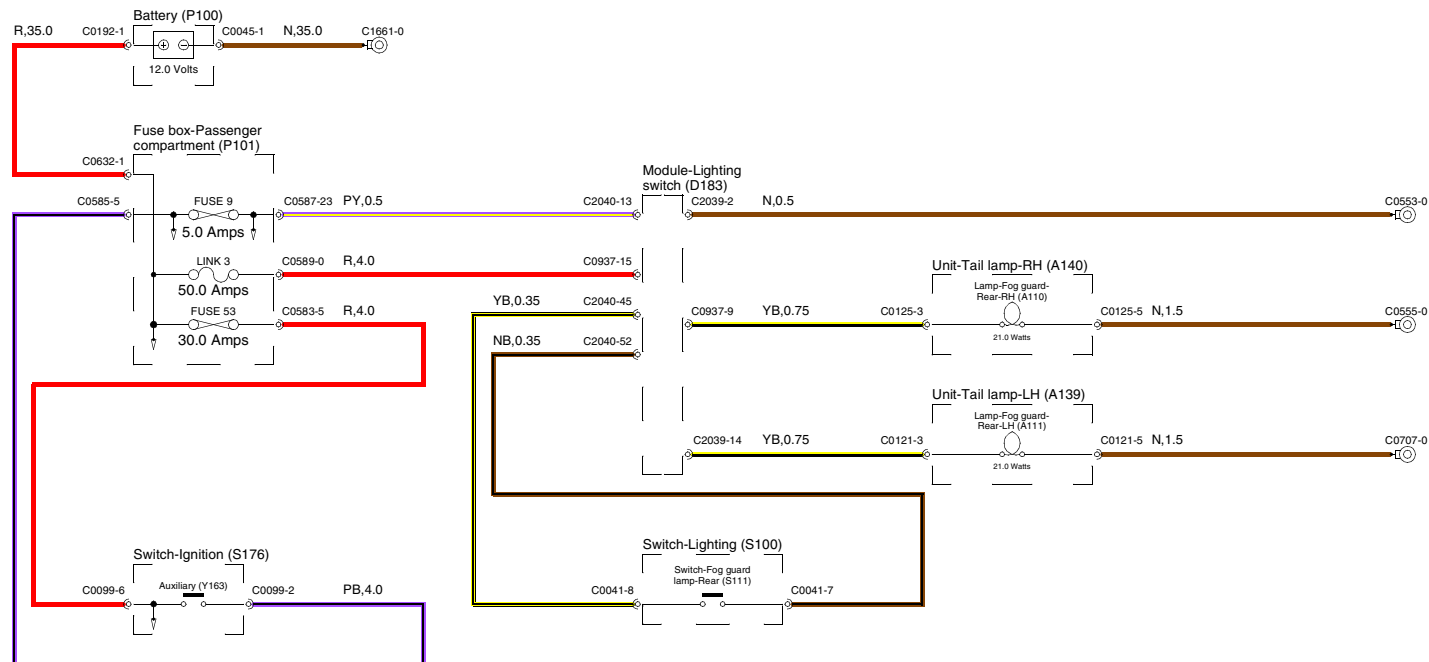




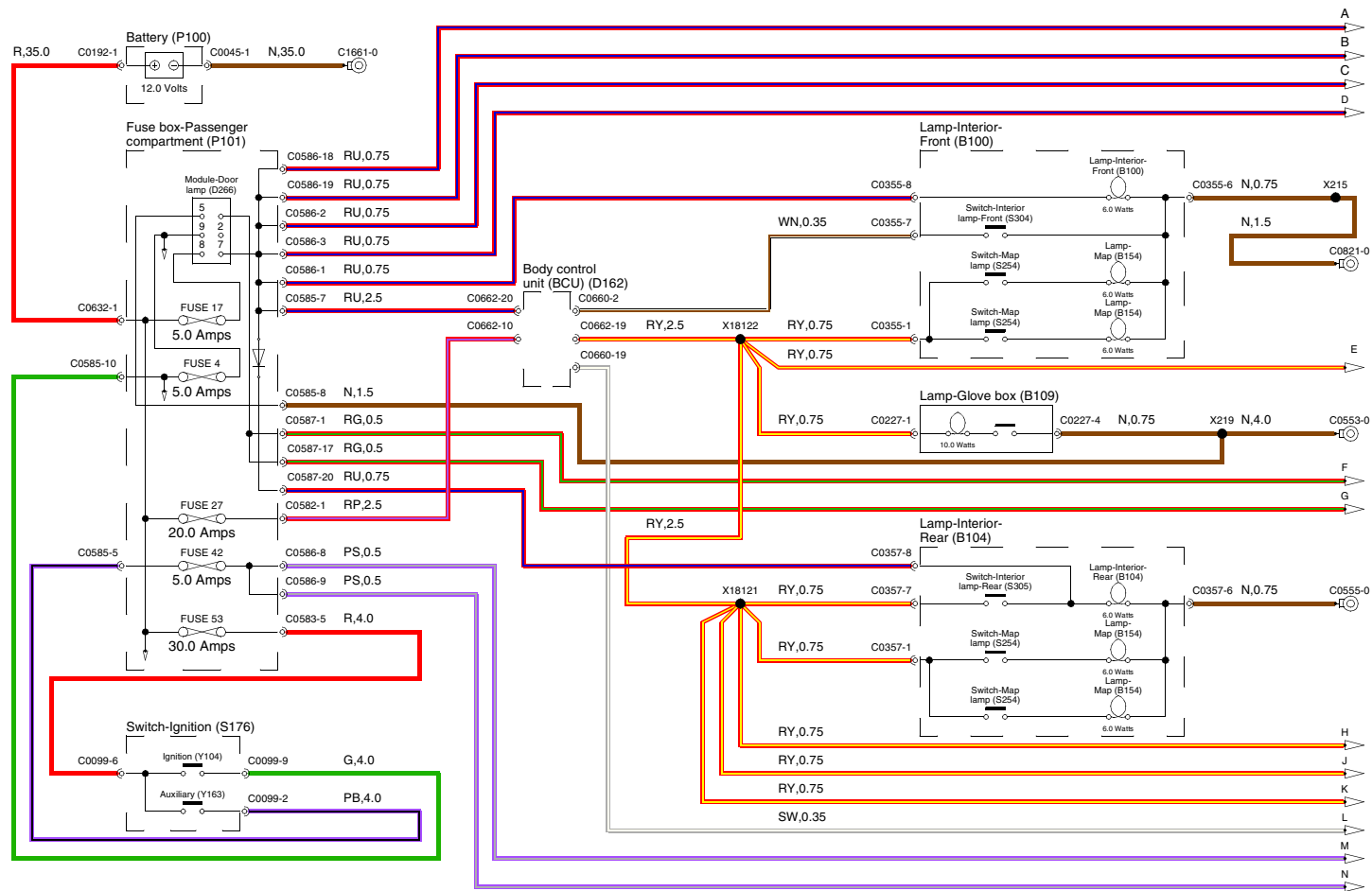


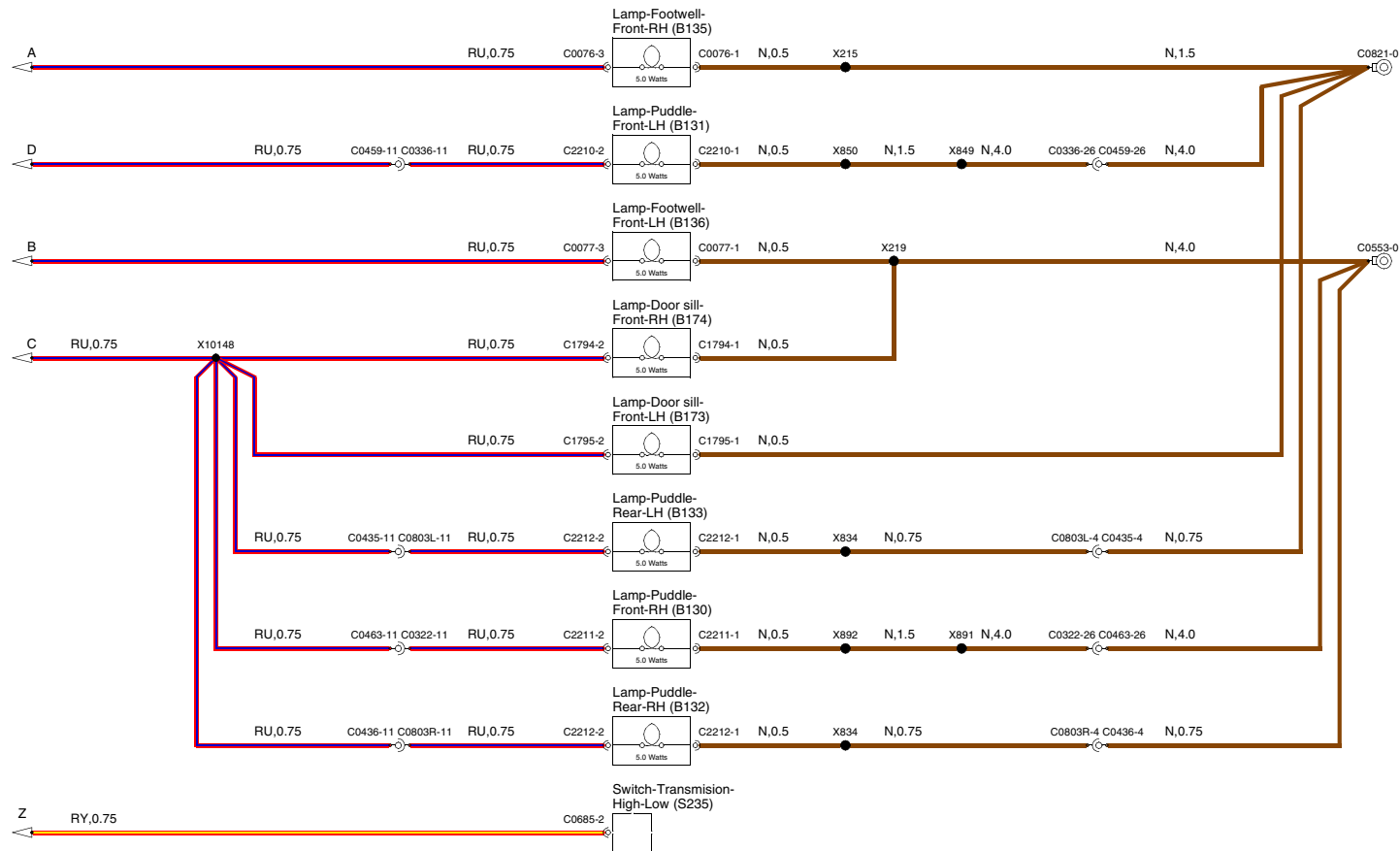




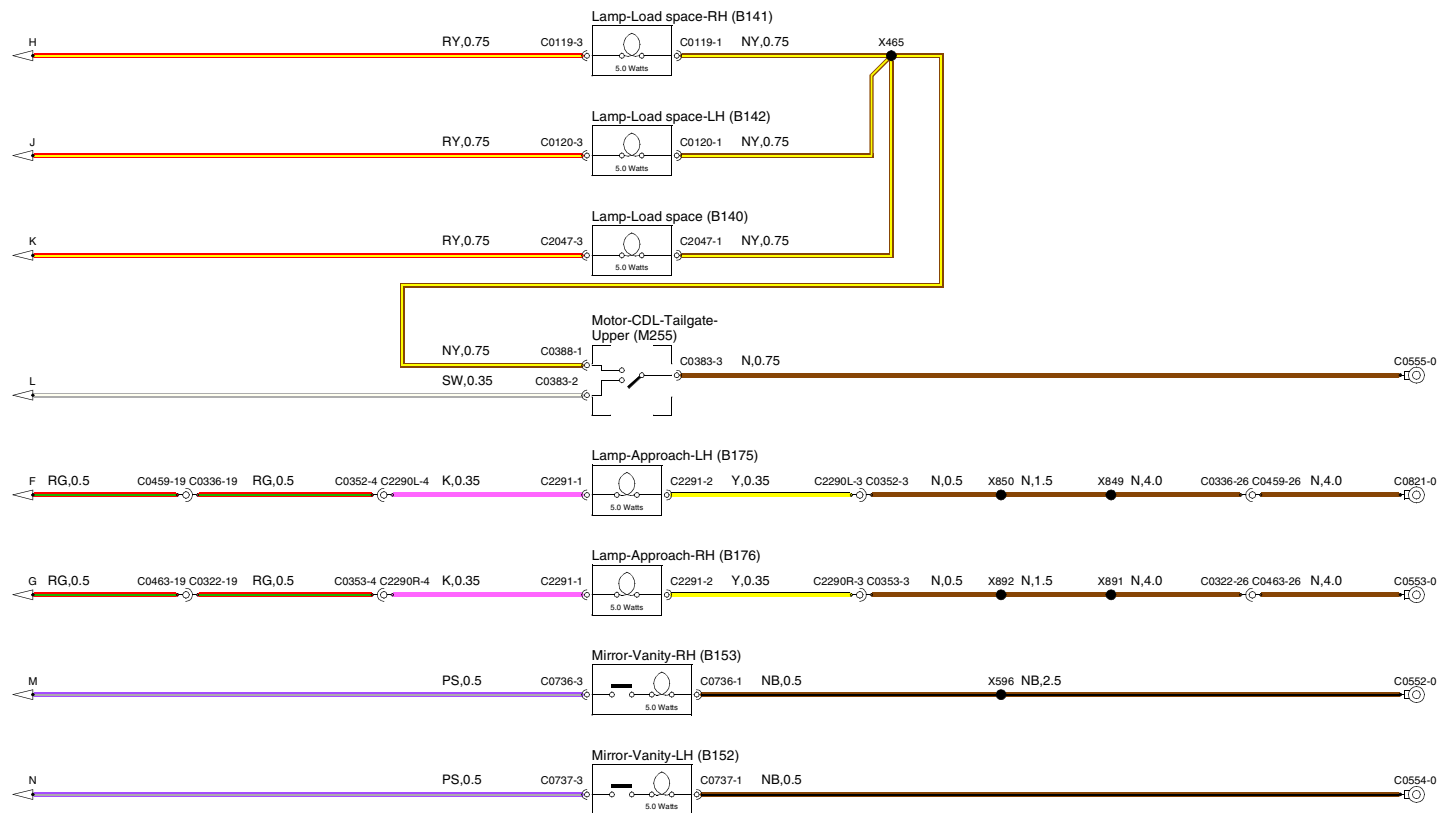


44 INTERIOR LAMPS

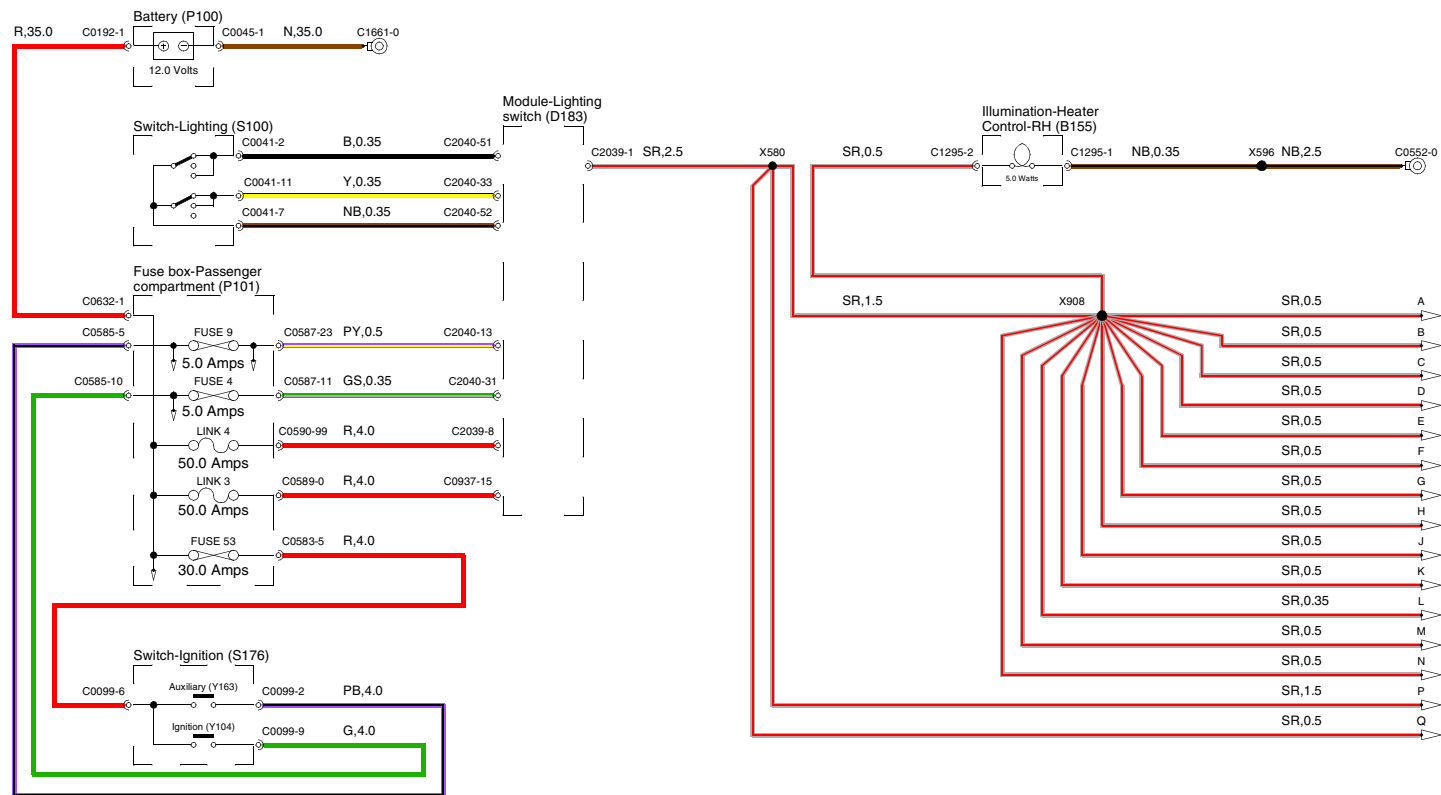


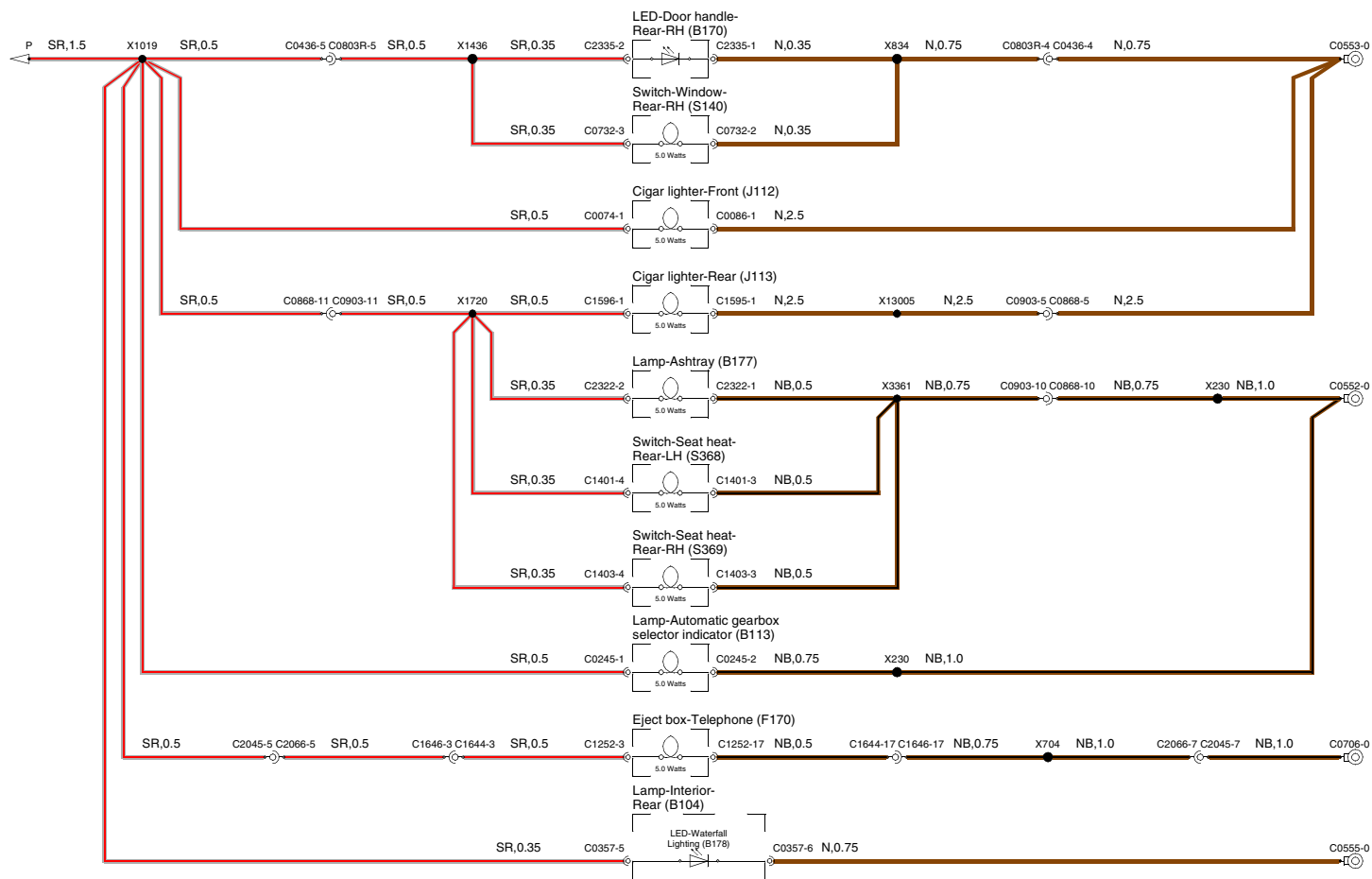


44 INTERIOR LAMPS

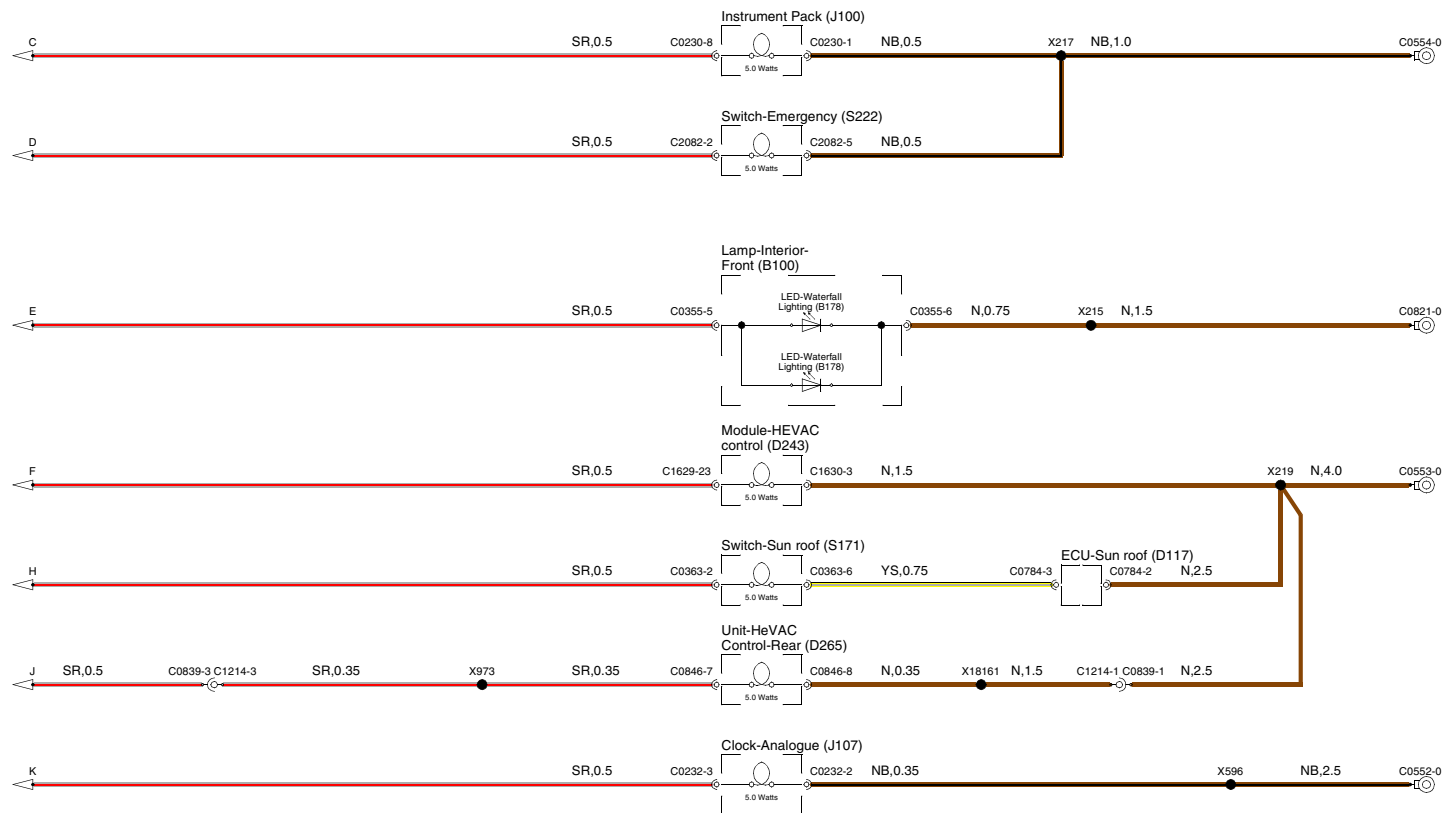


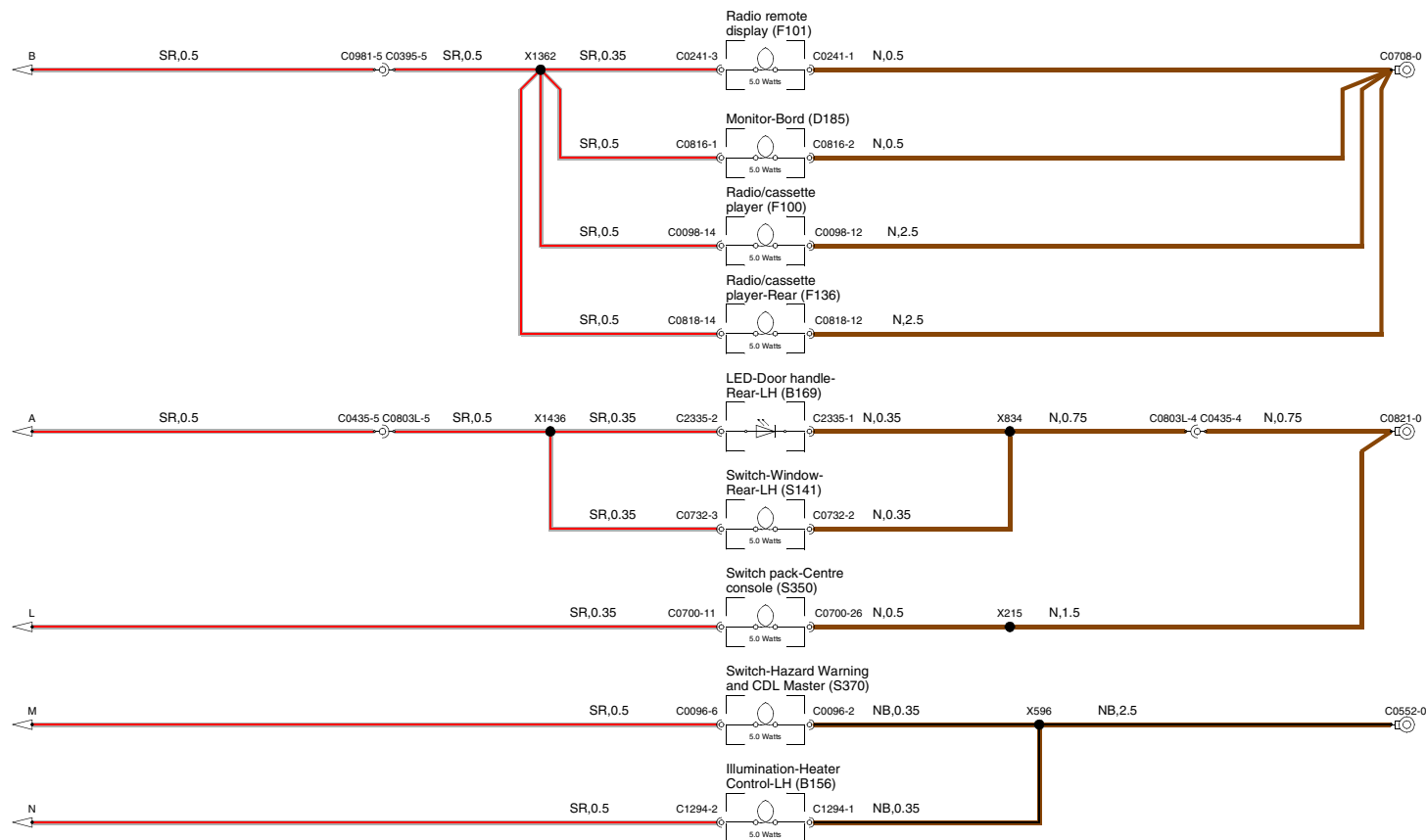
46 INTERIOR ILLUMINATION



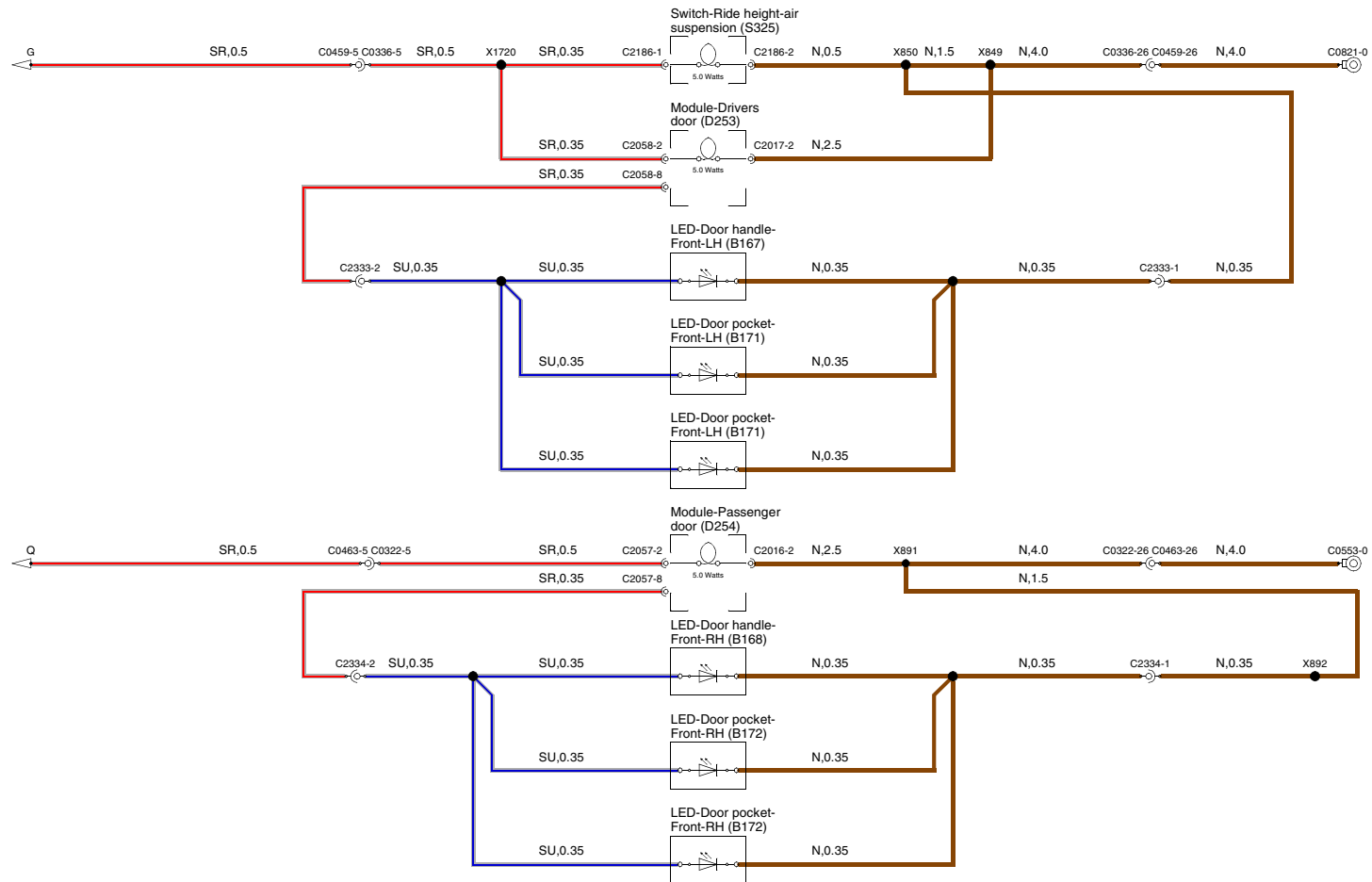


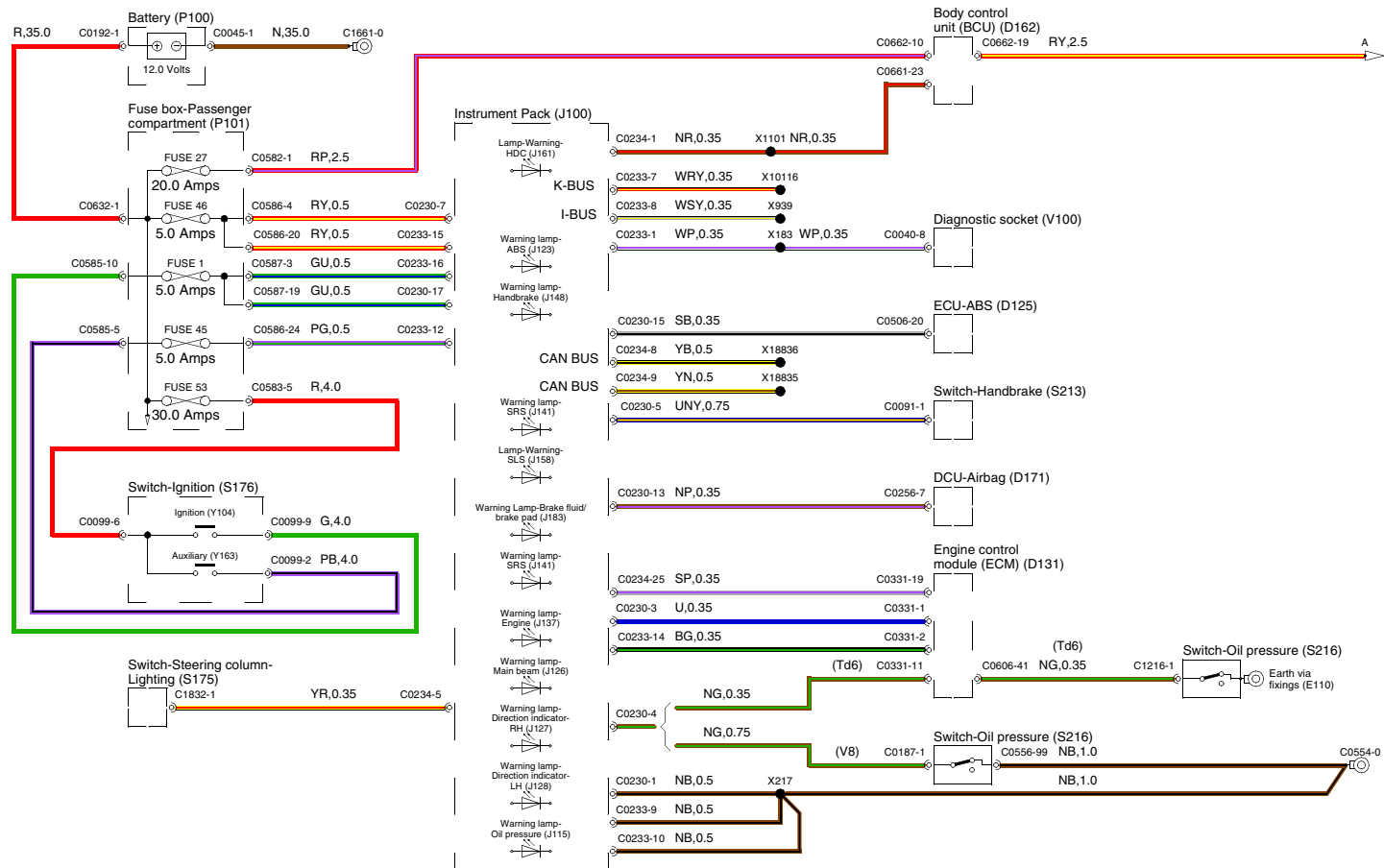
46 INTERIOR ILLUMINATION

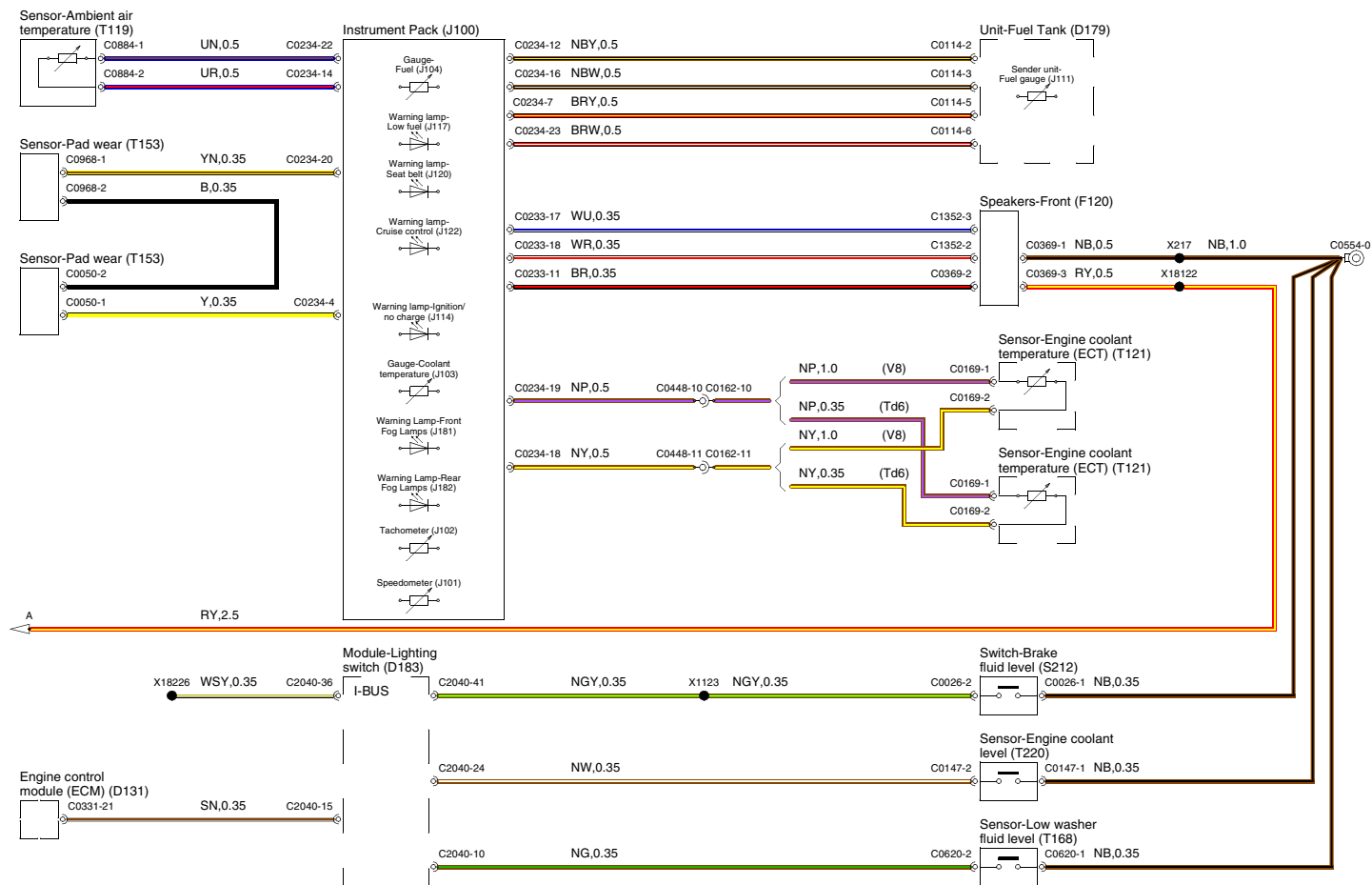


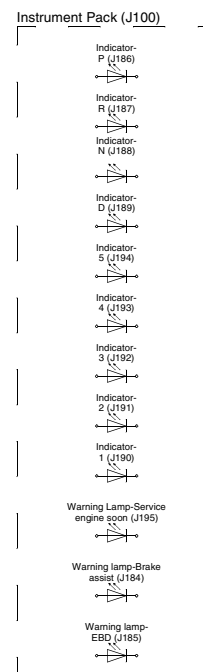


46 INTERIOR ILLUMINATION

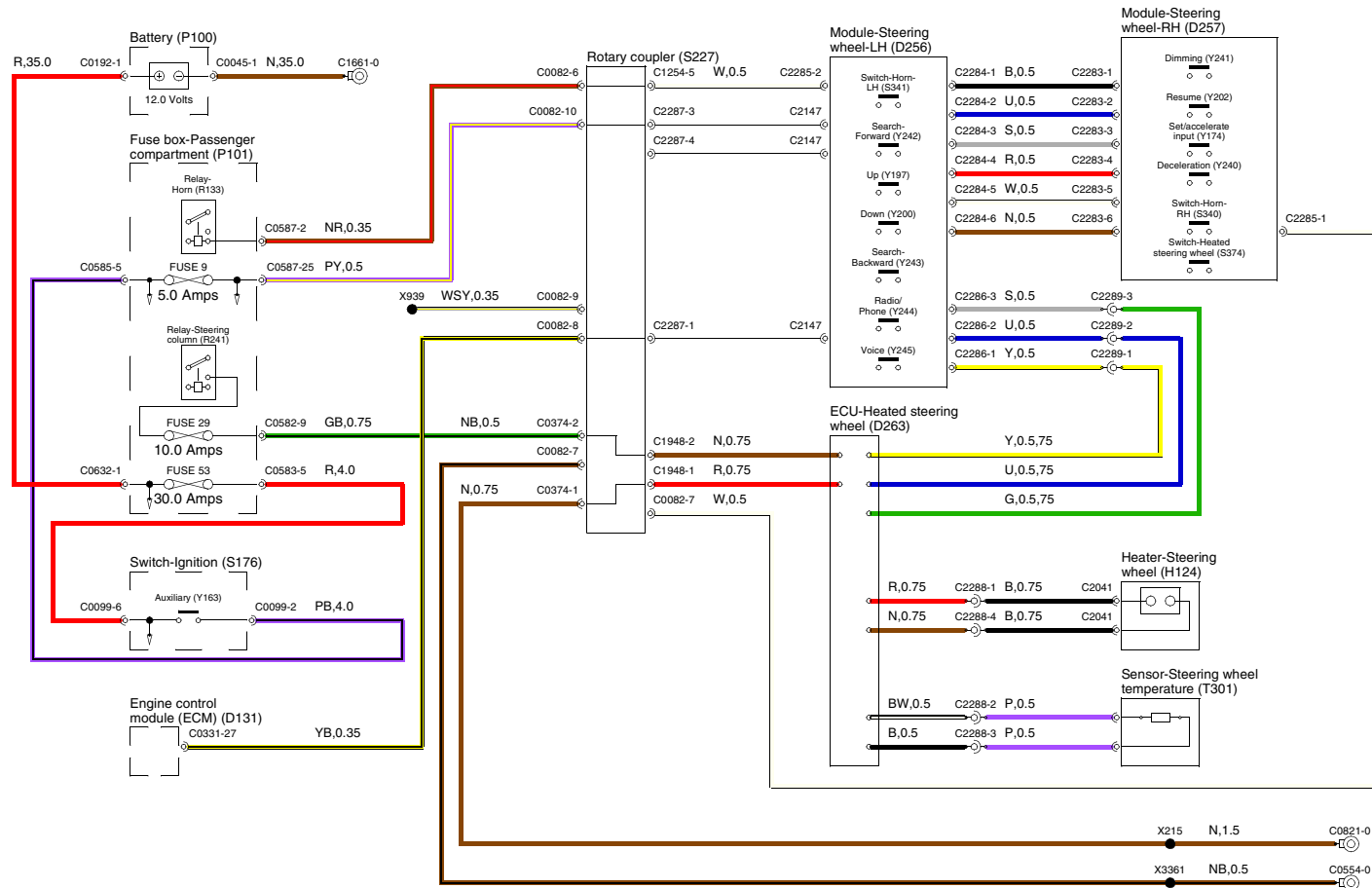


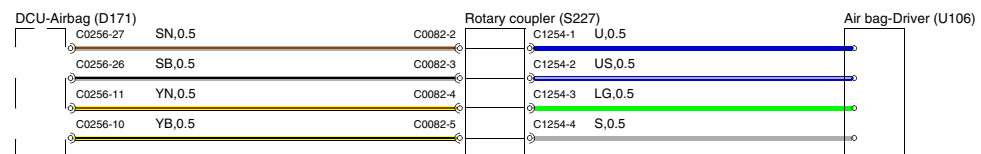




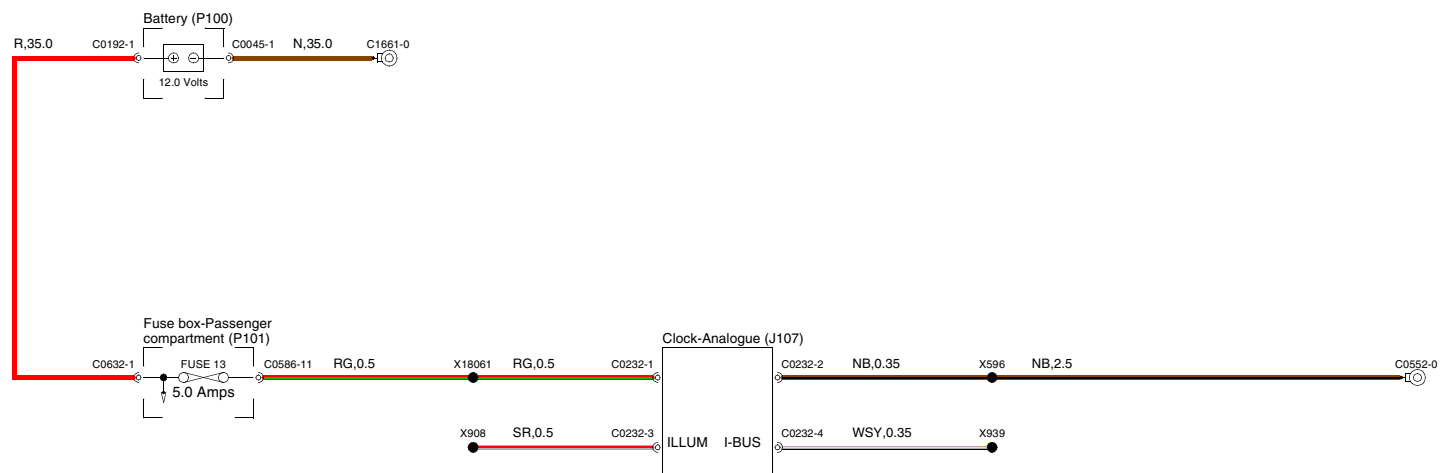


47 ROTARY COUPLER

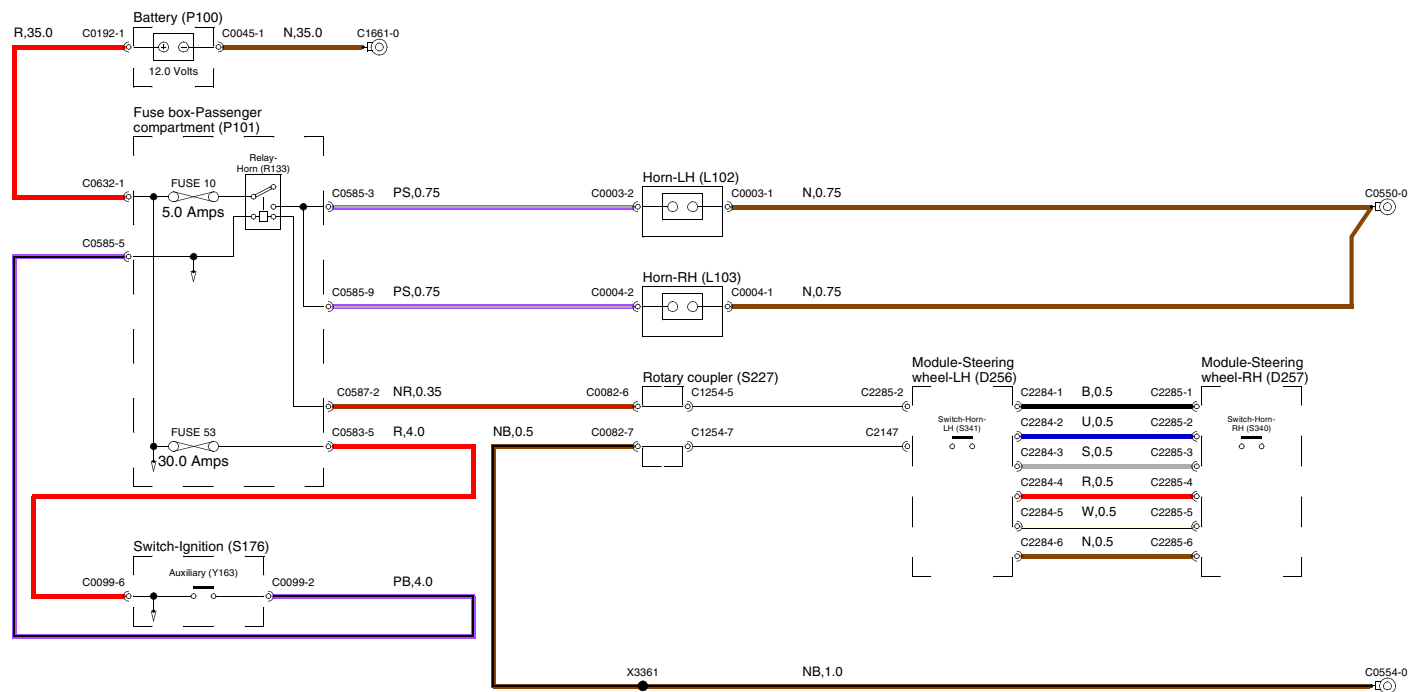




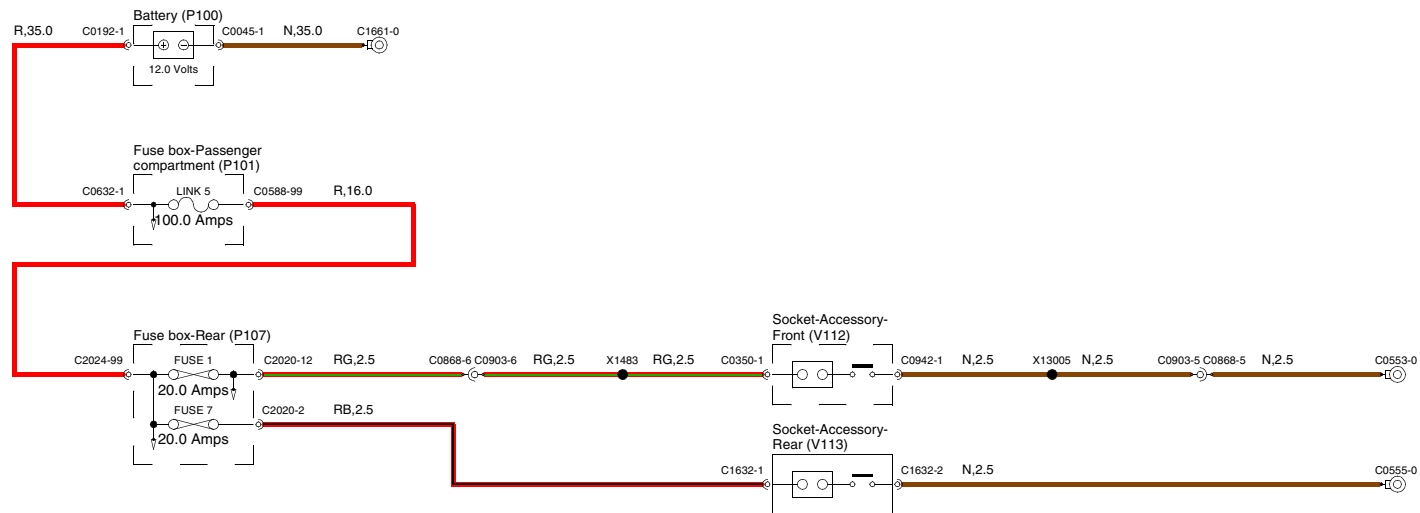
48 CLOCK



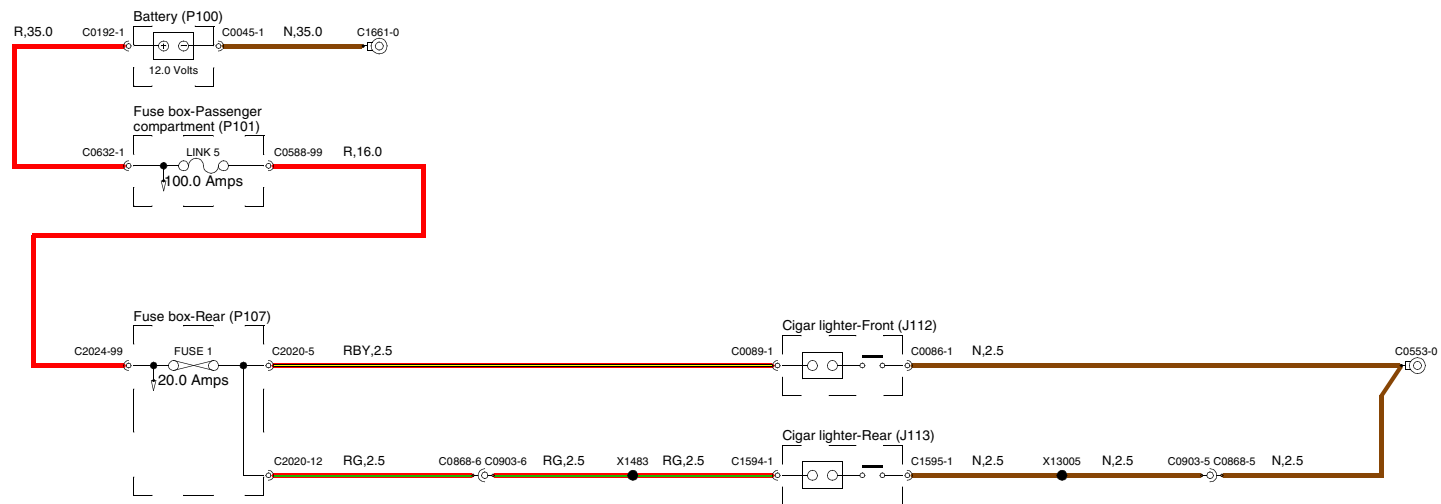
48 HORN (S)

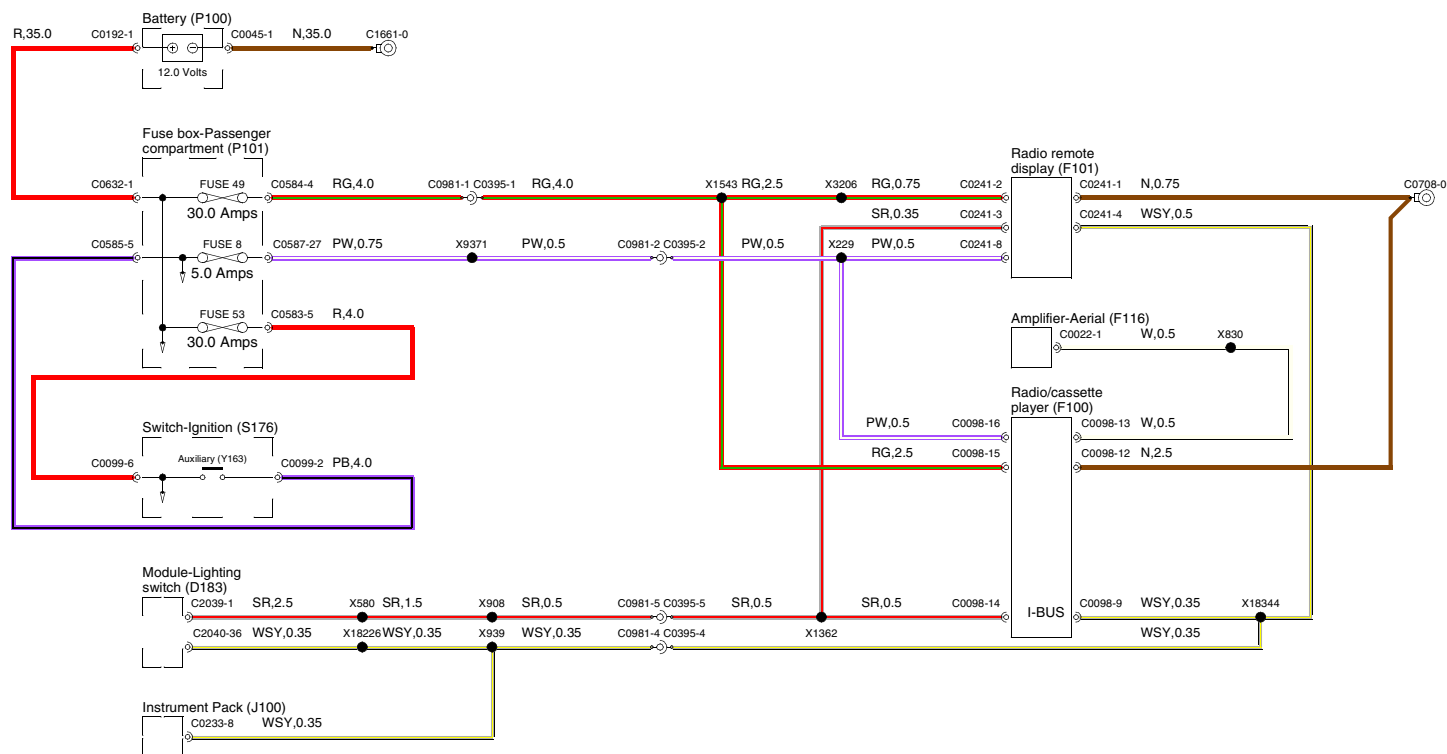


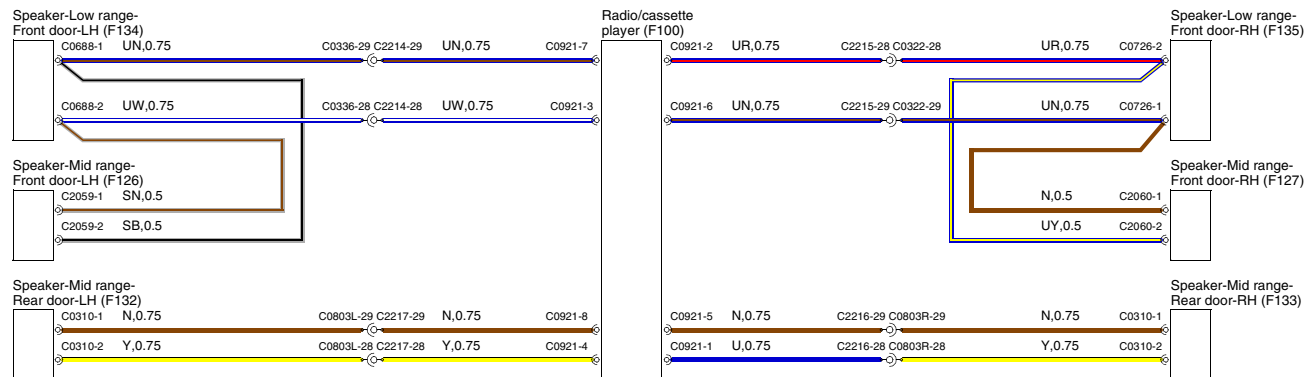
49 ACCESSORY SOCKET

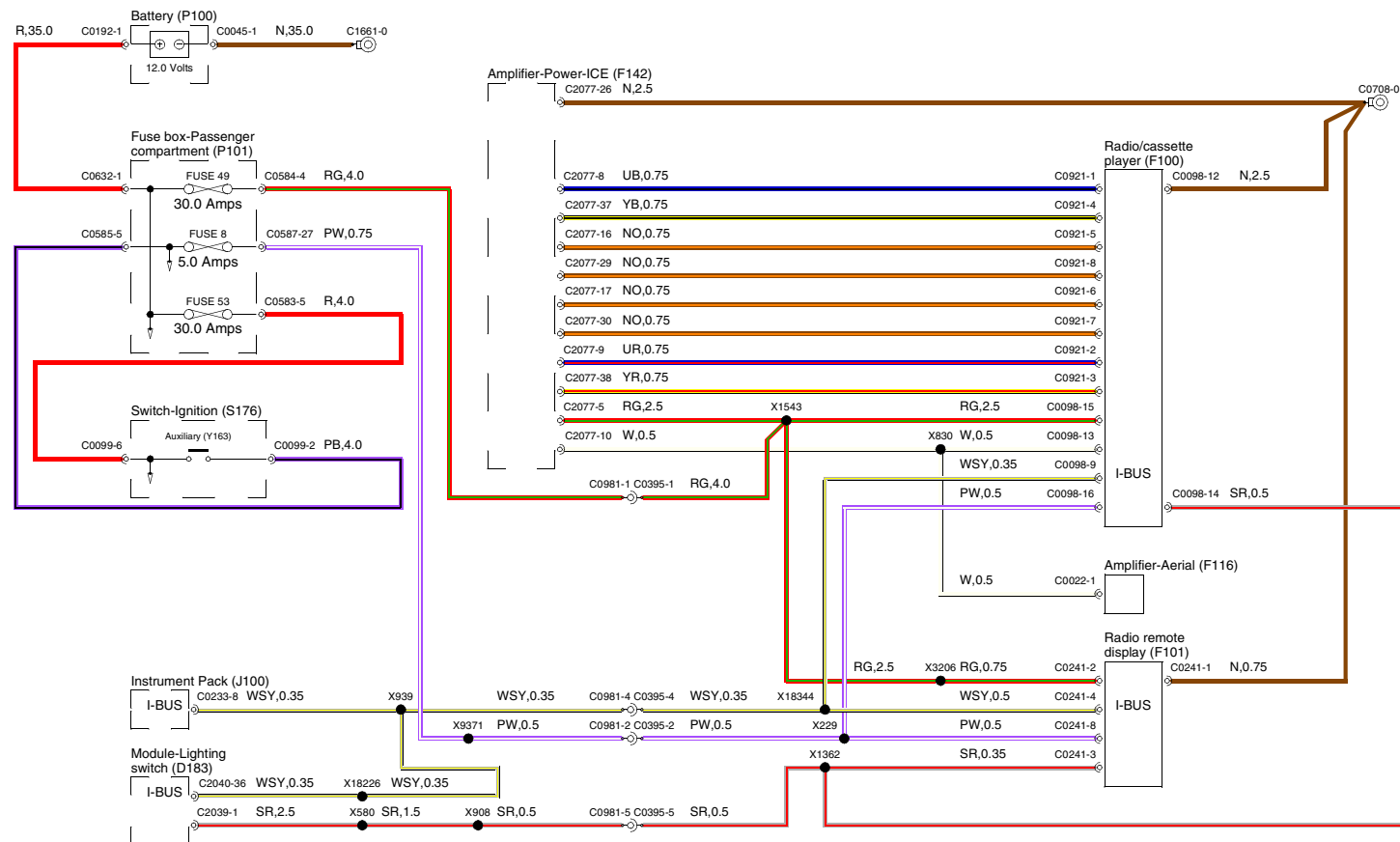


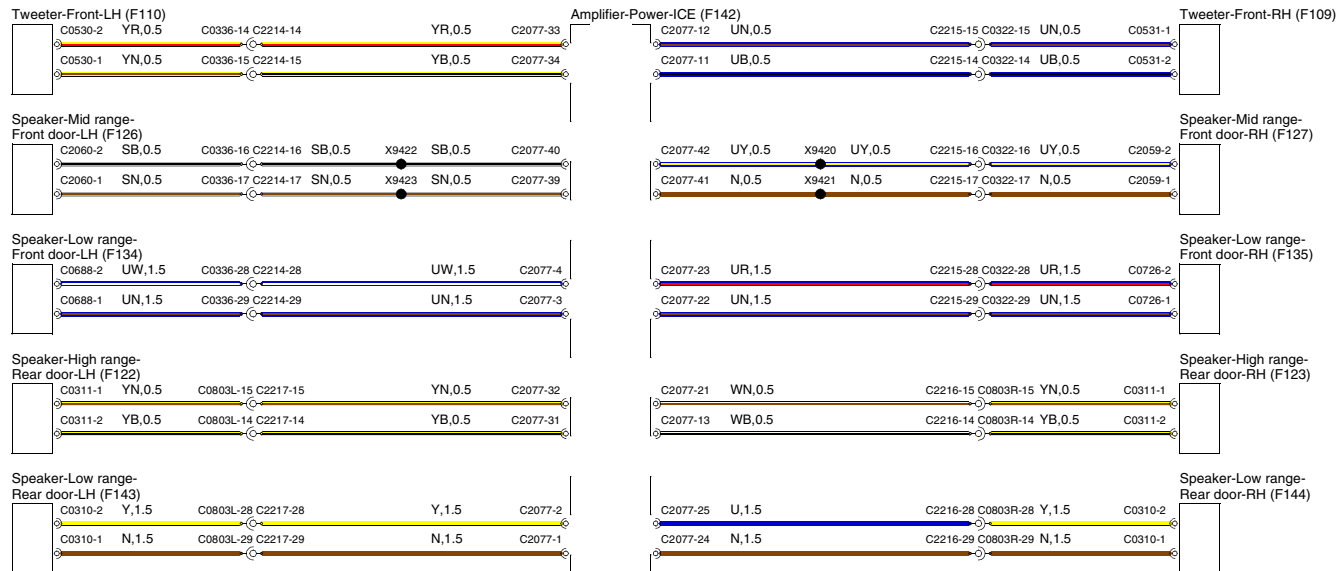
49 CIGAR LIGHTER

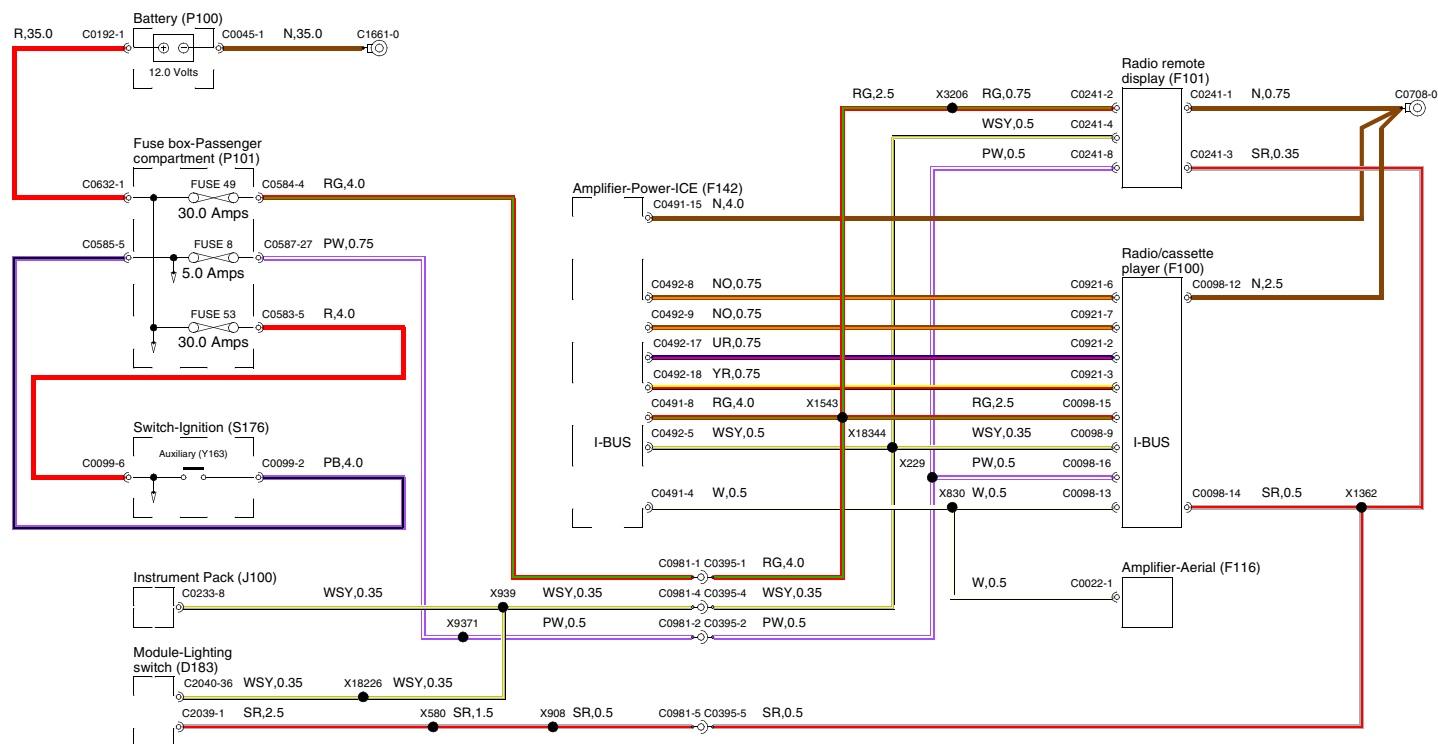


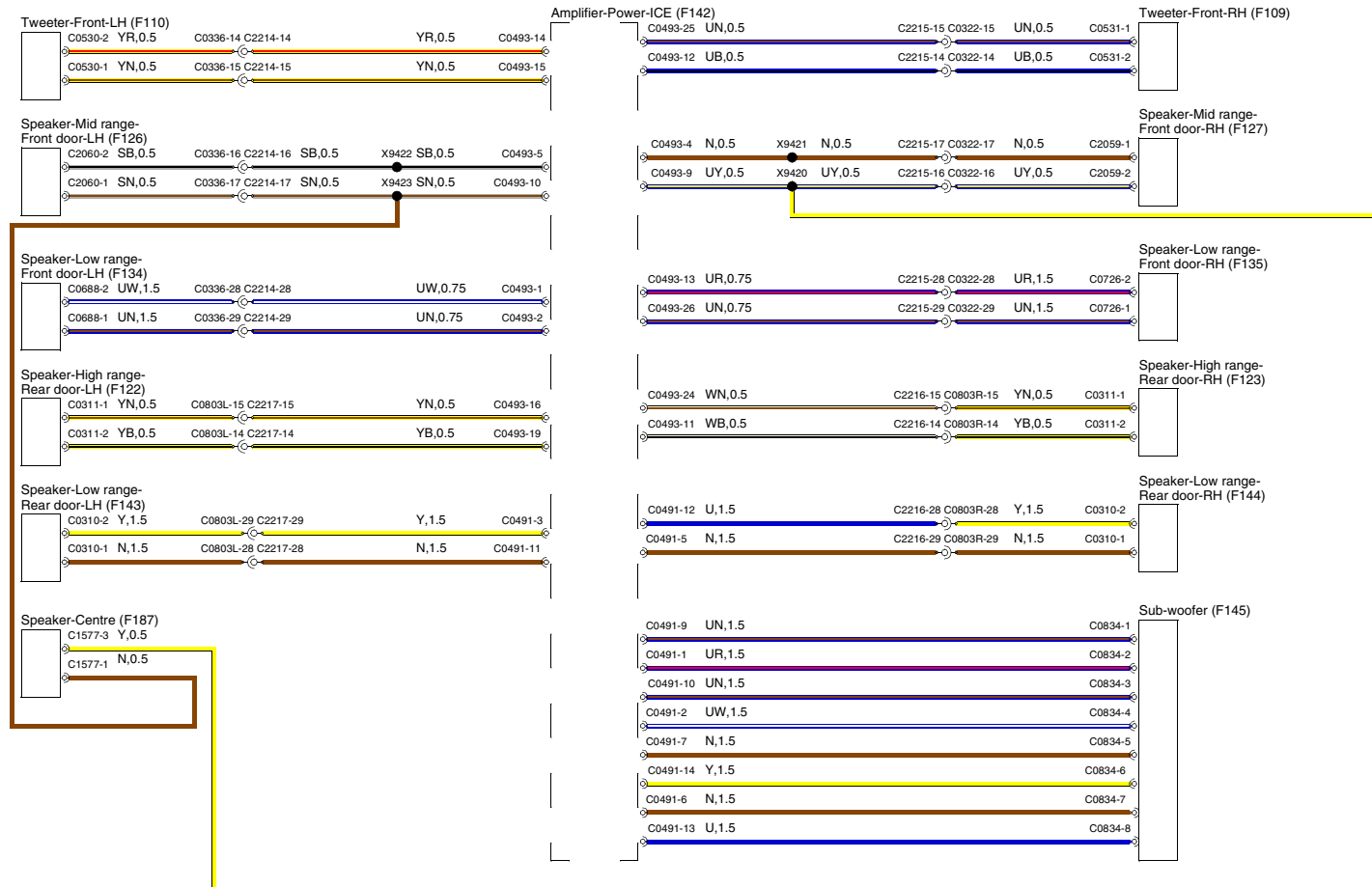


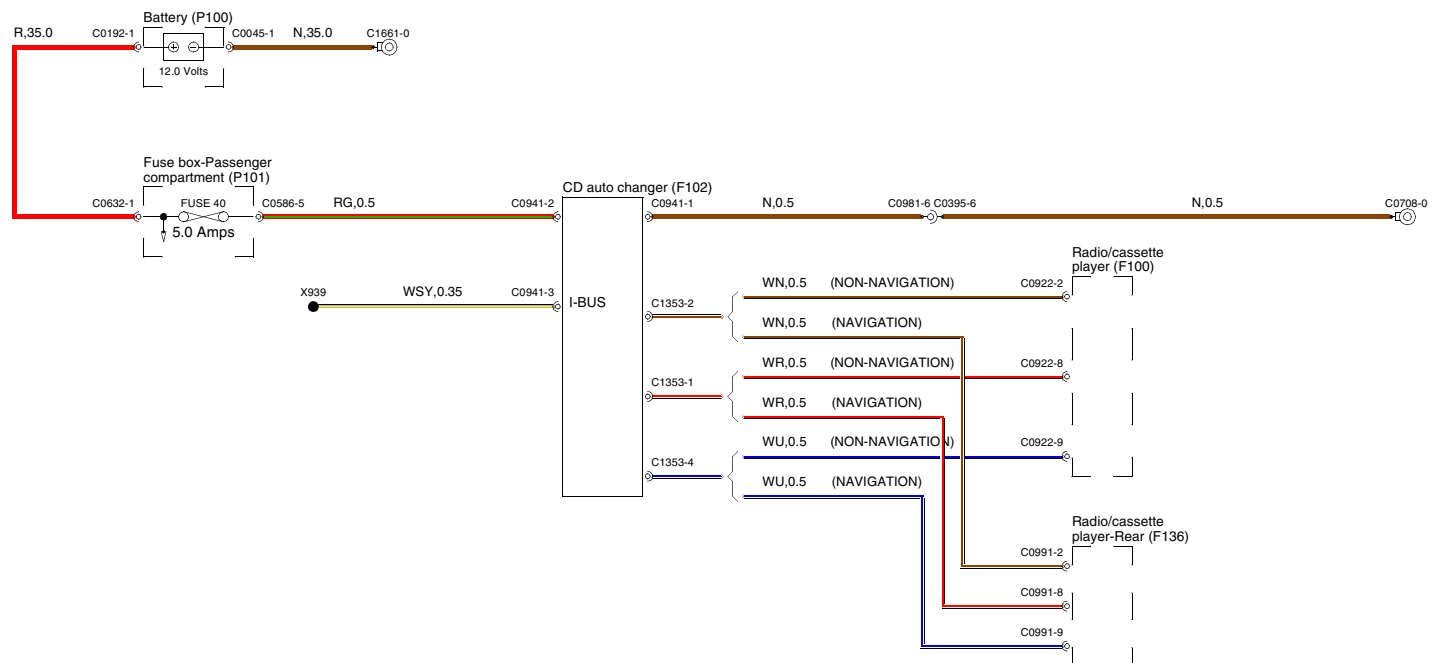


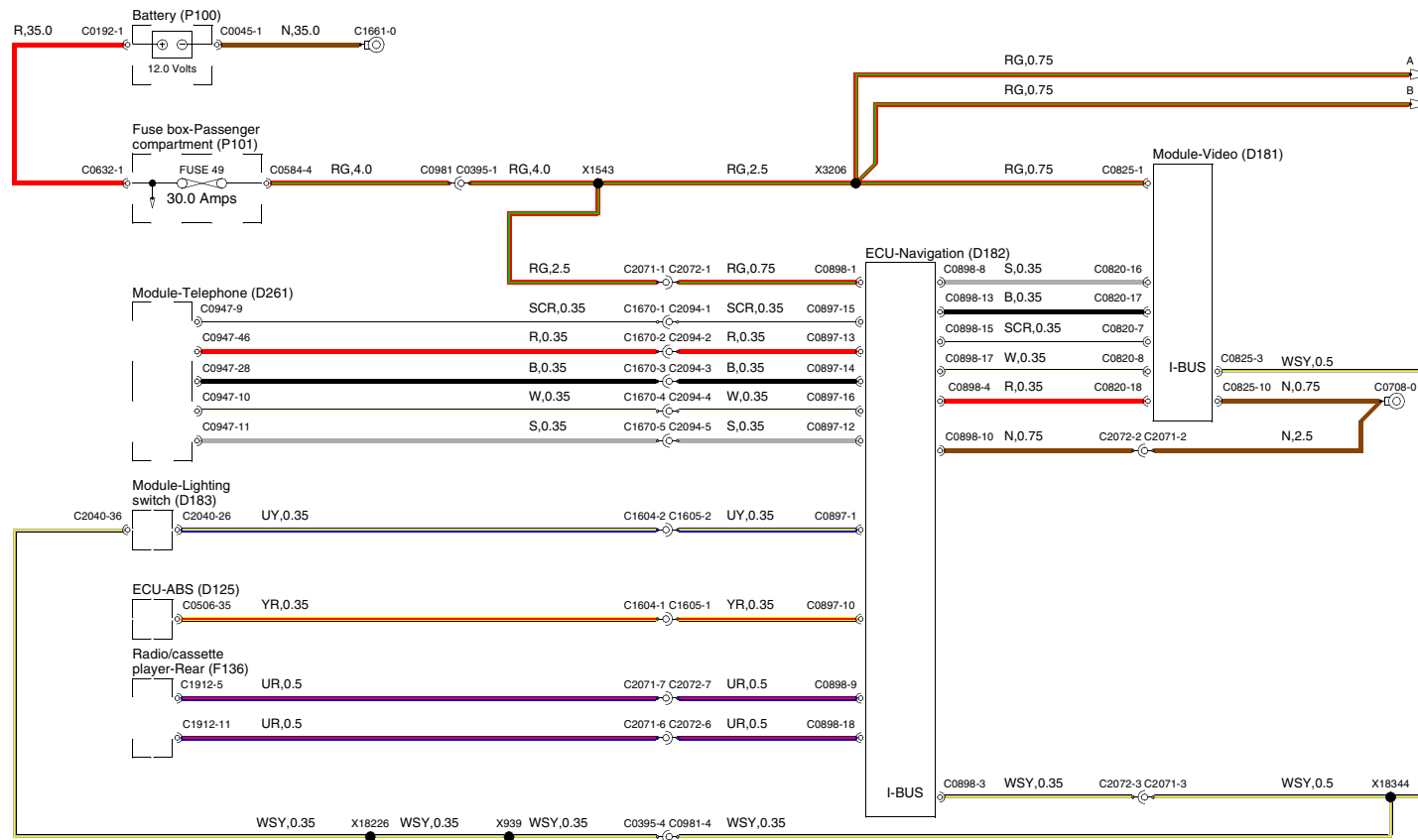


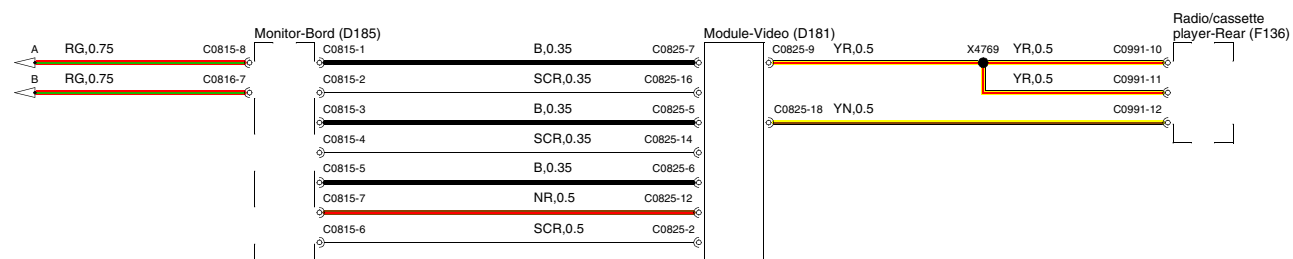


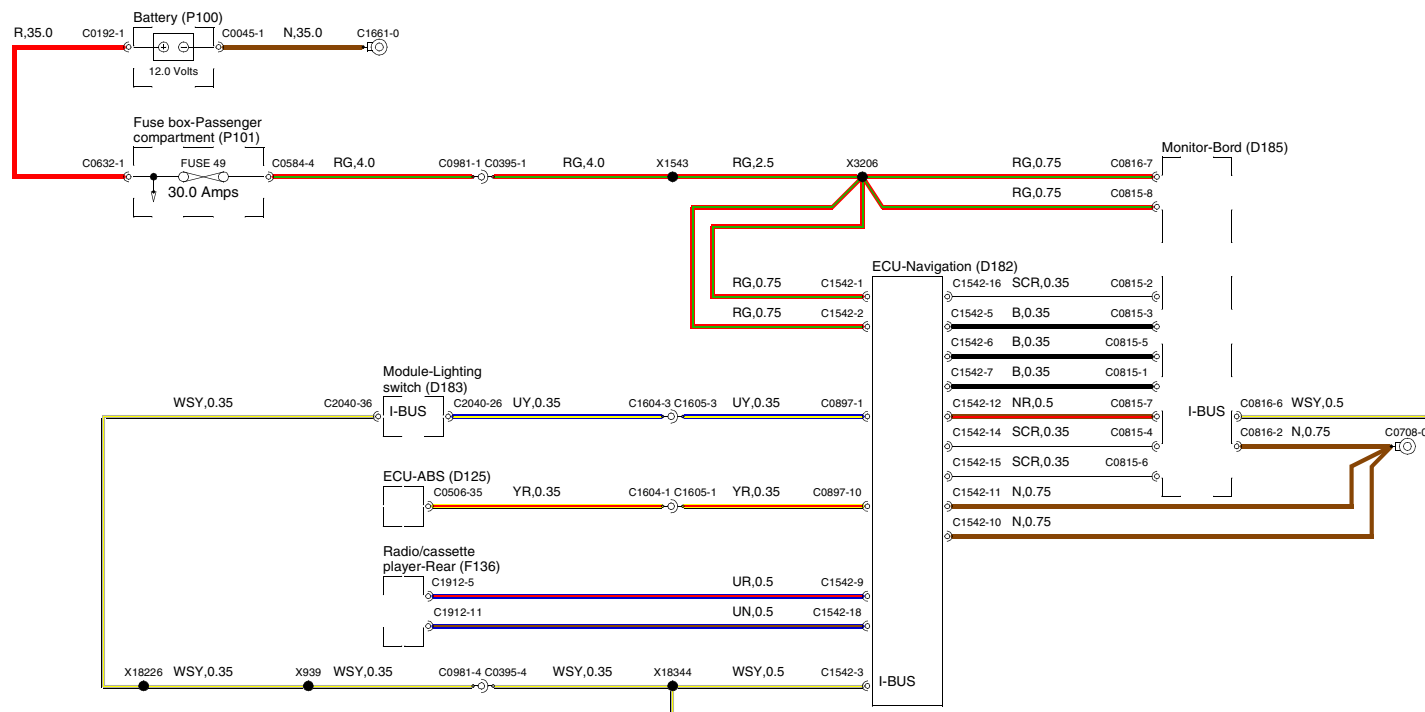


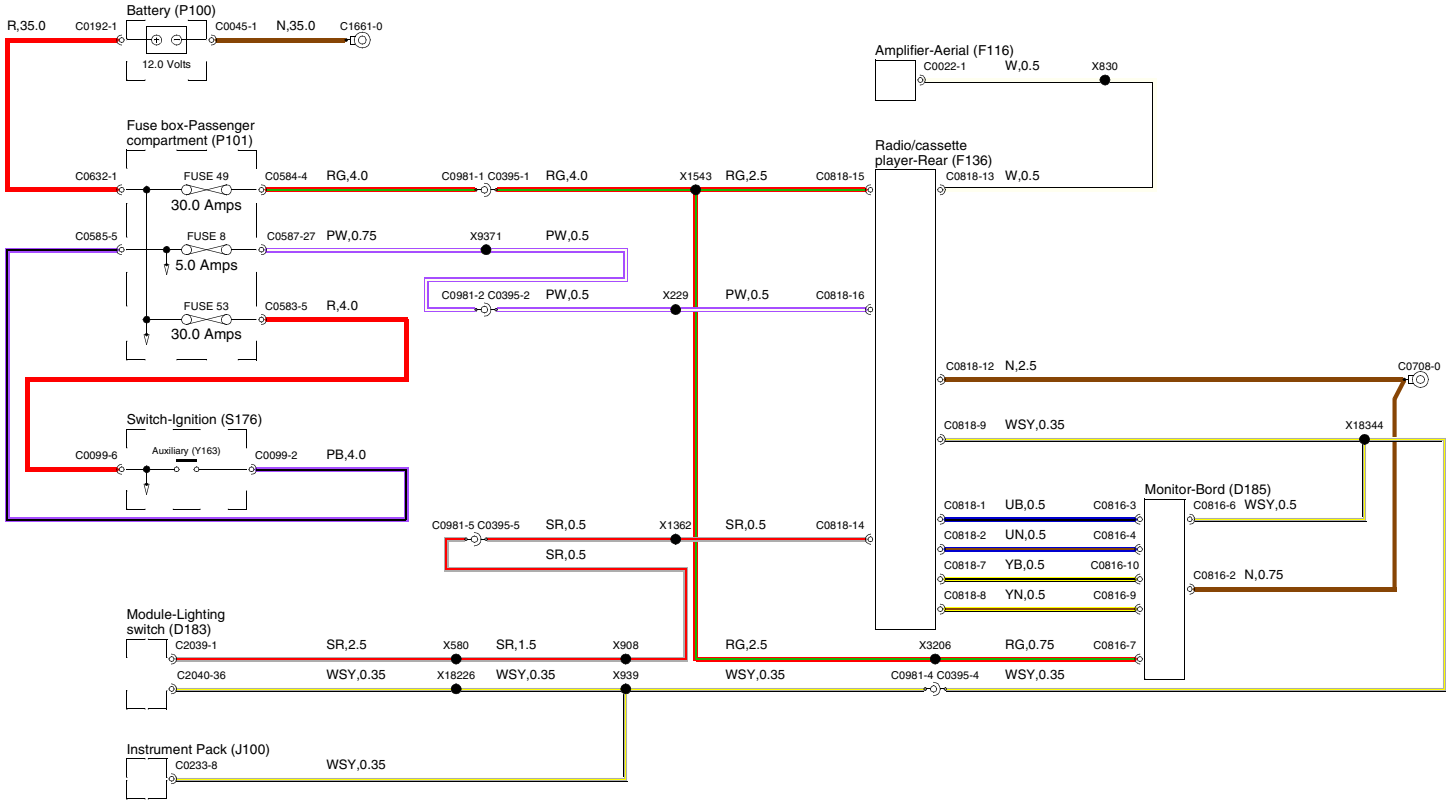


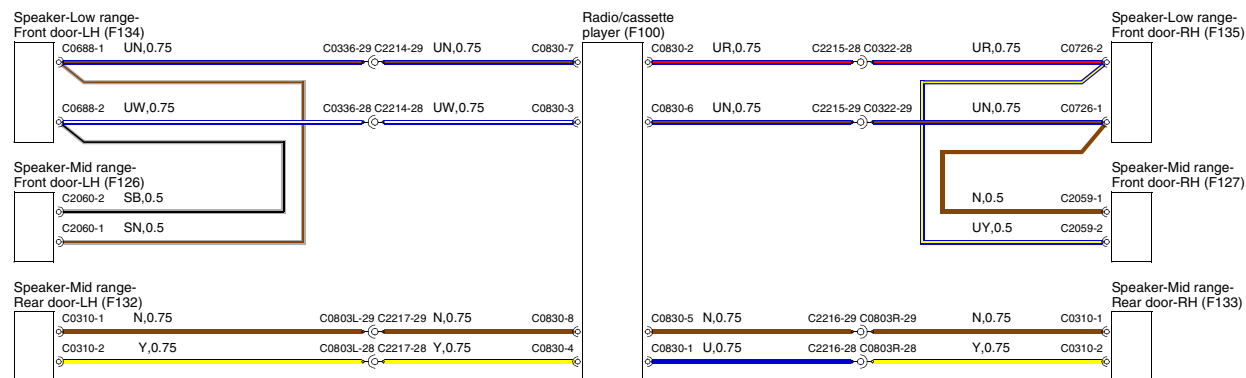


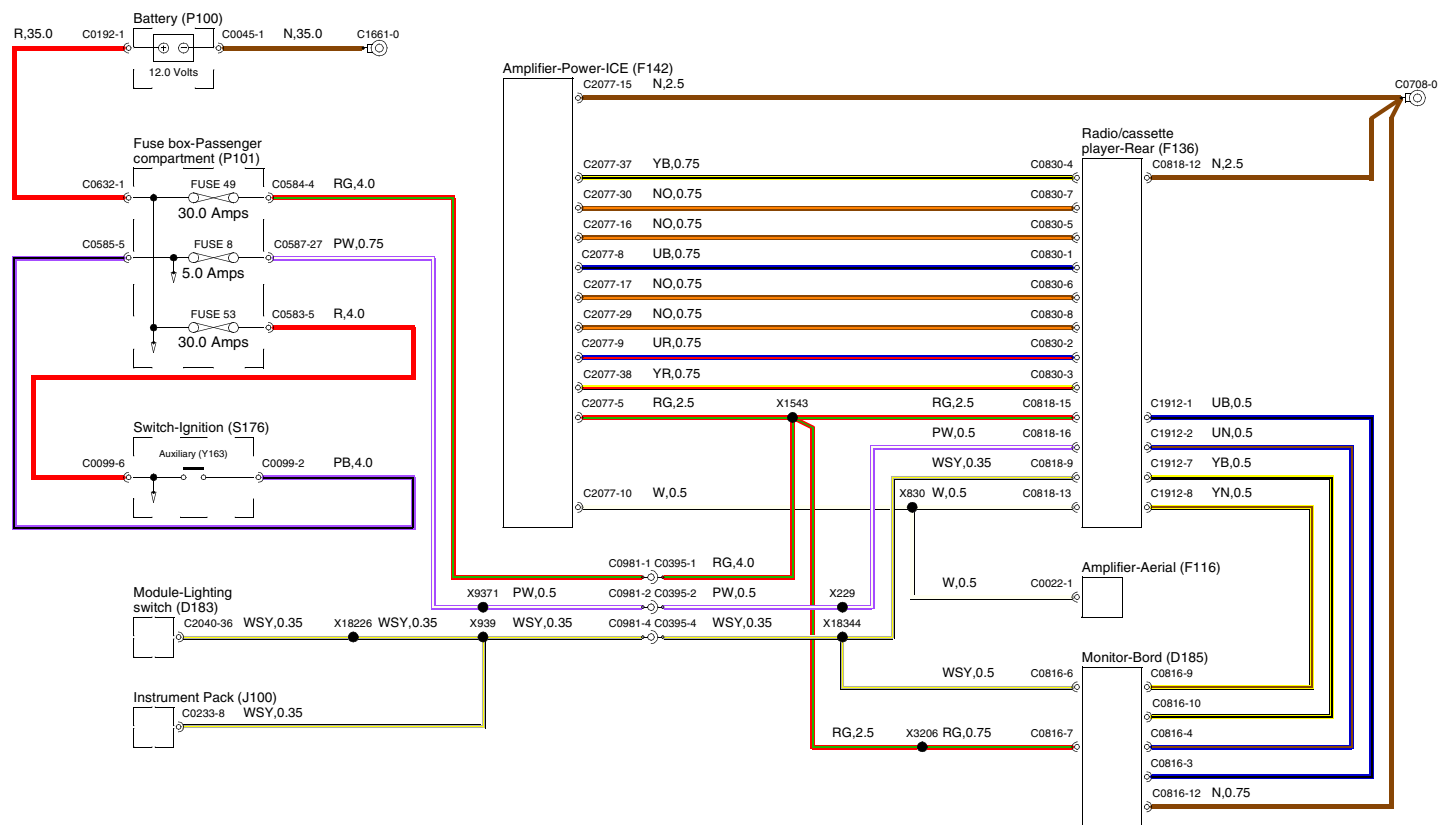


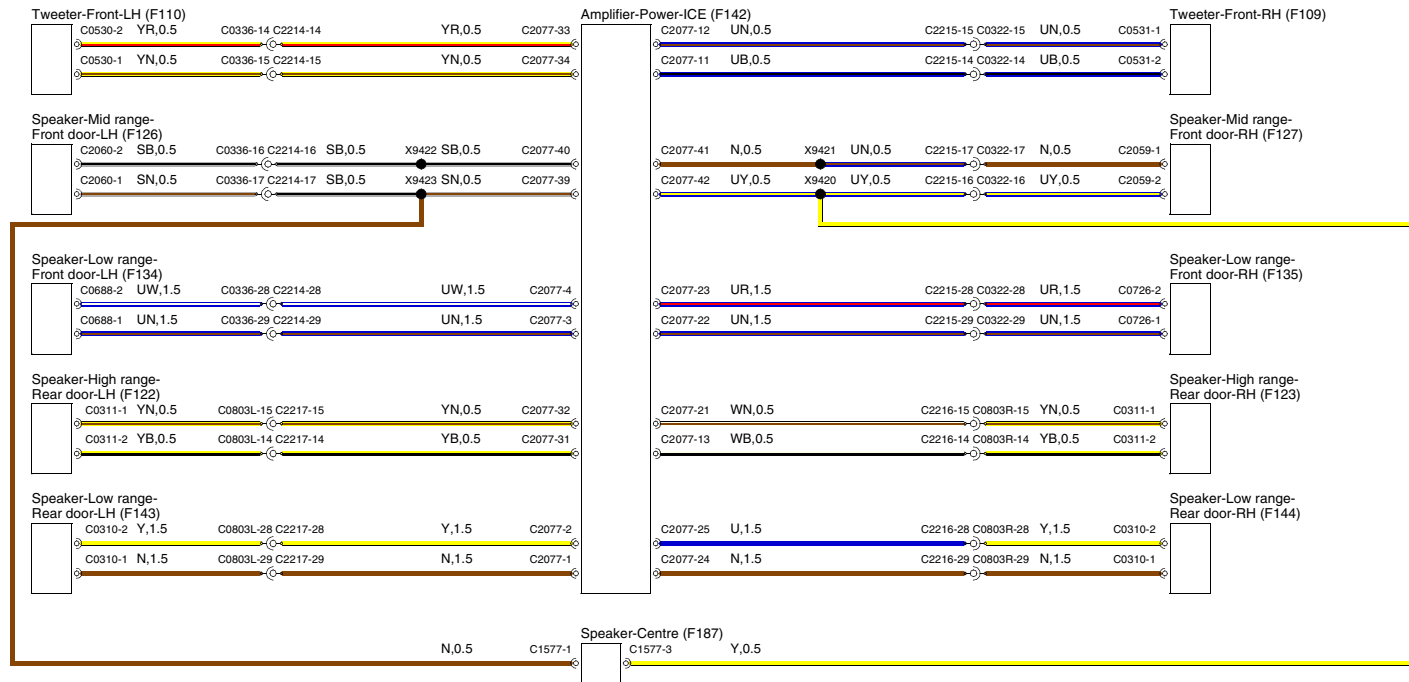


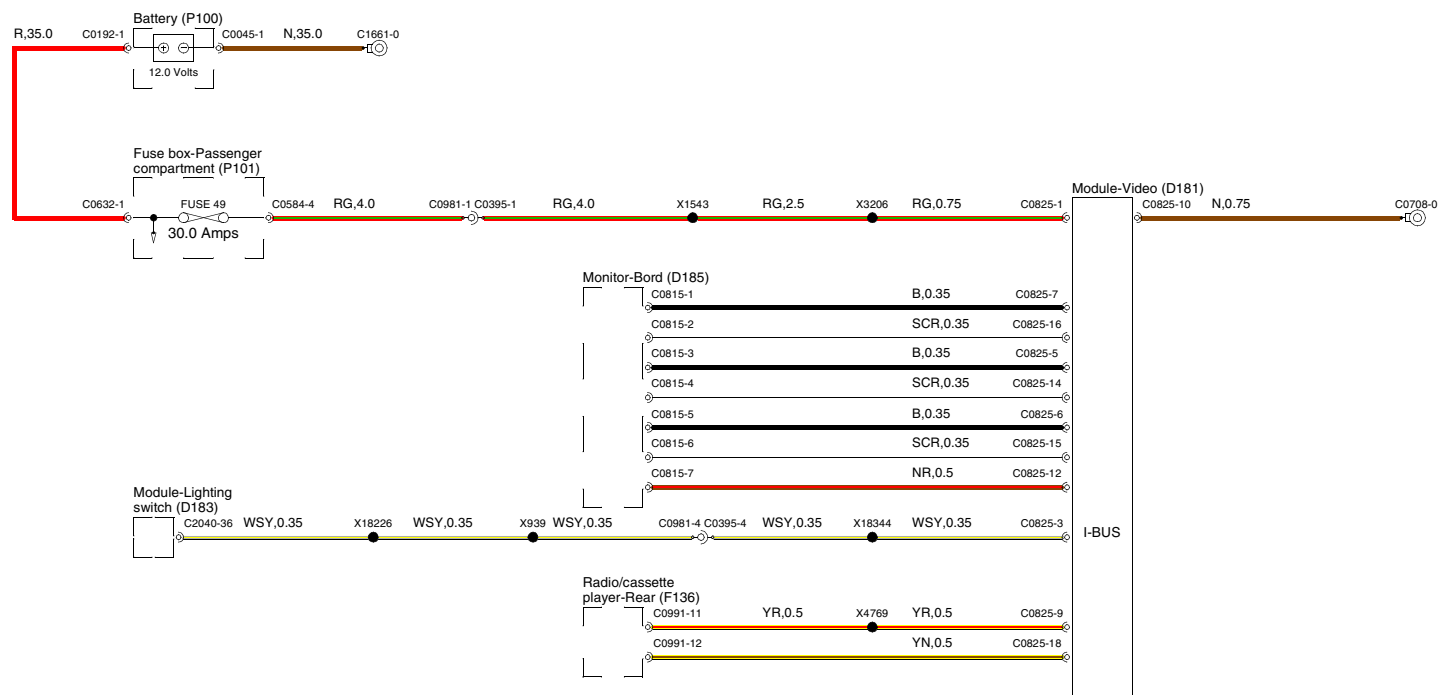


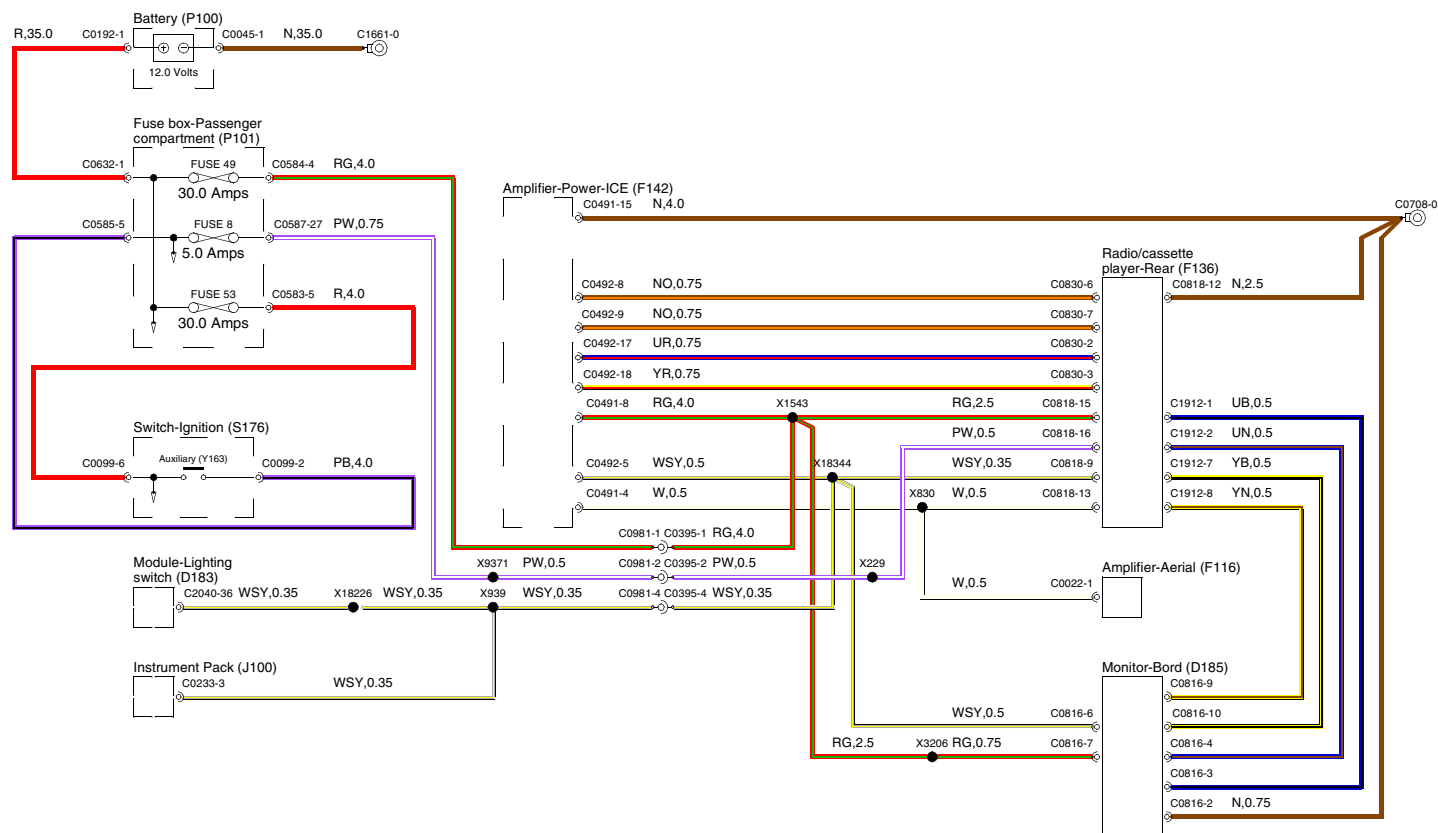


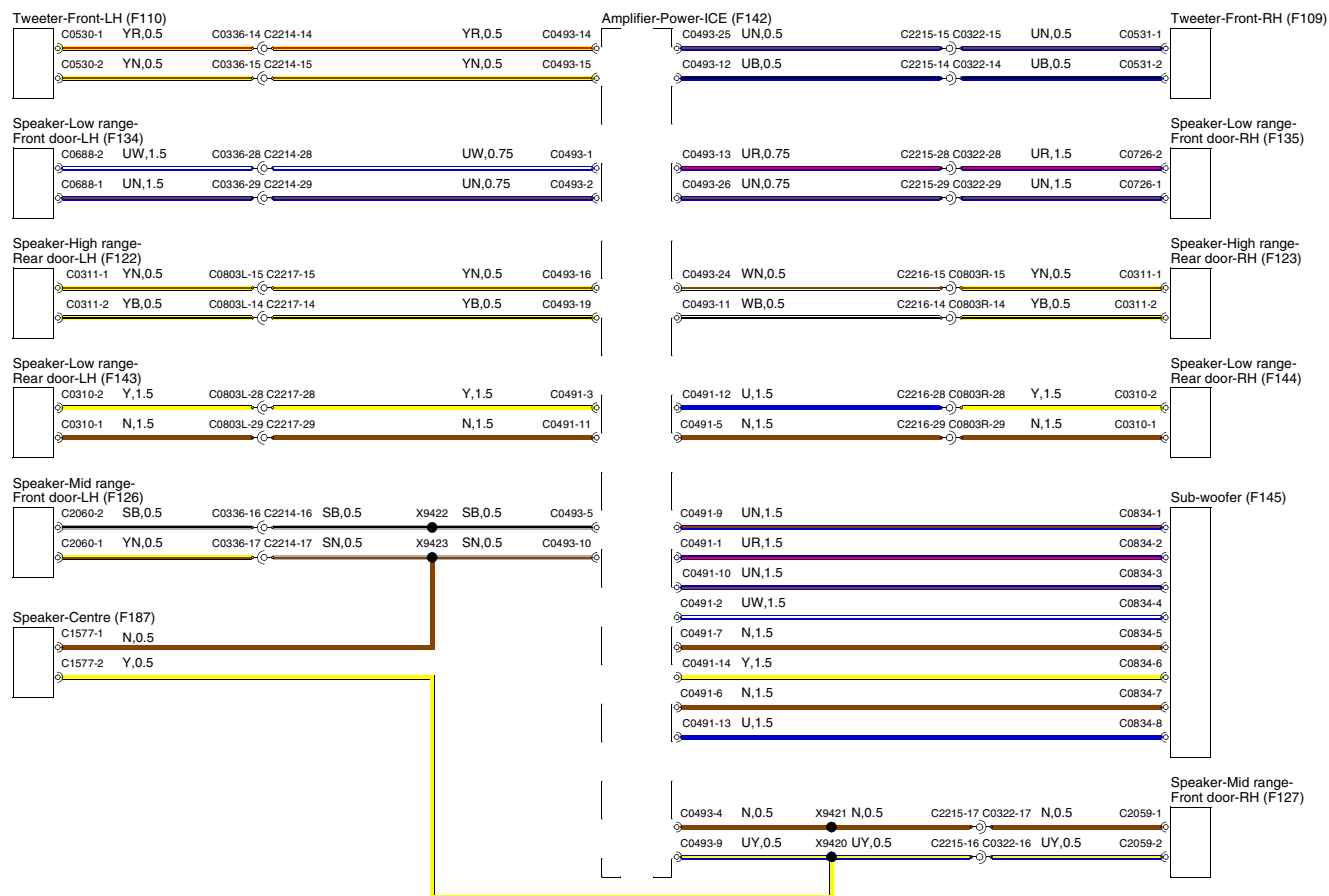


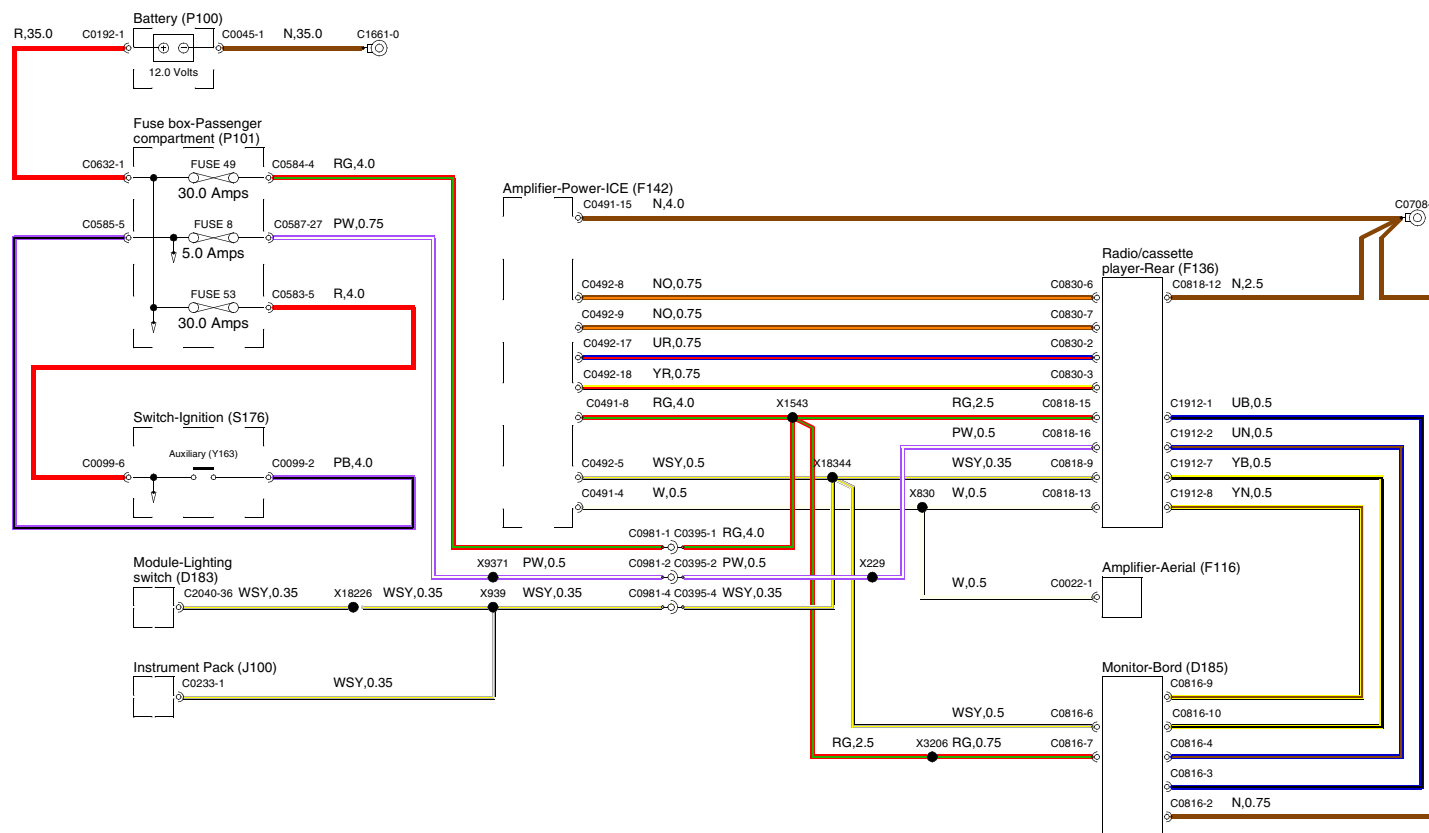


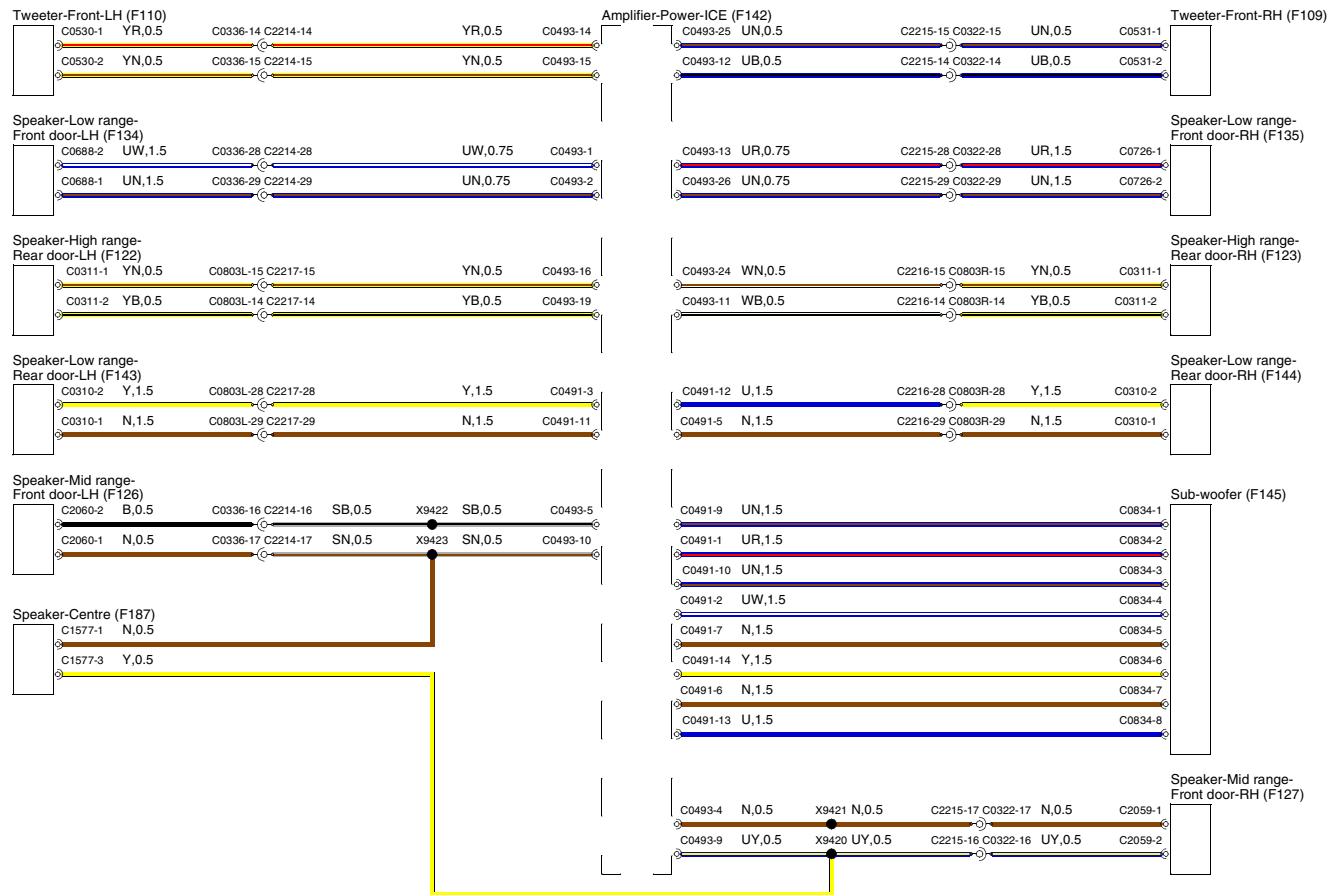




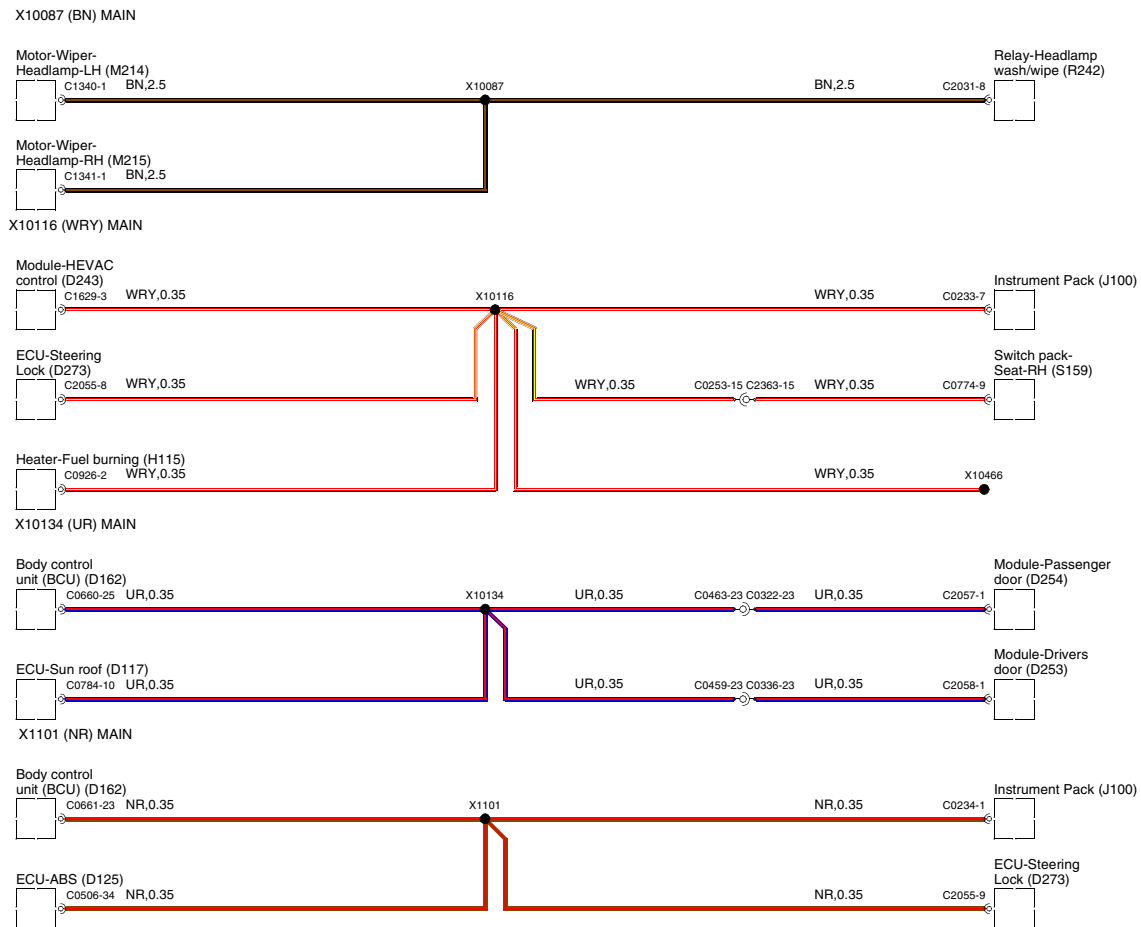




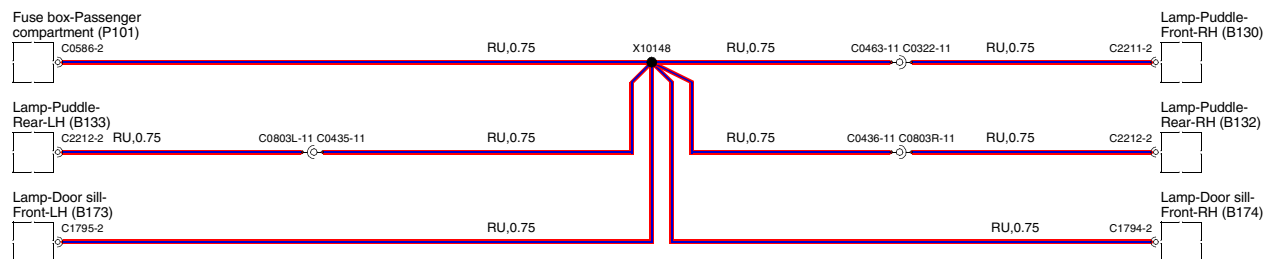




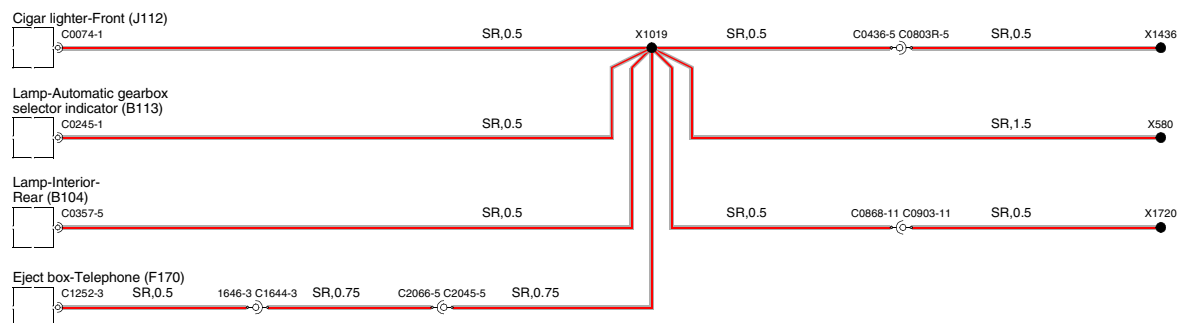
65 SPLICES AND CENTRE TAPS



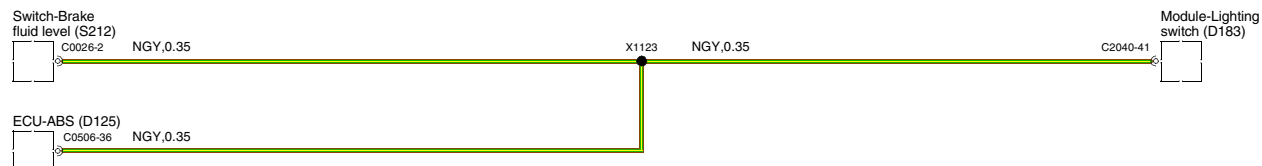
X10148 (RU) MAIN



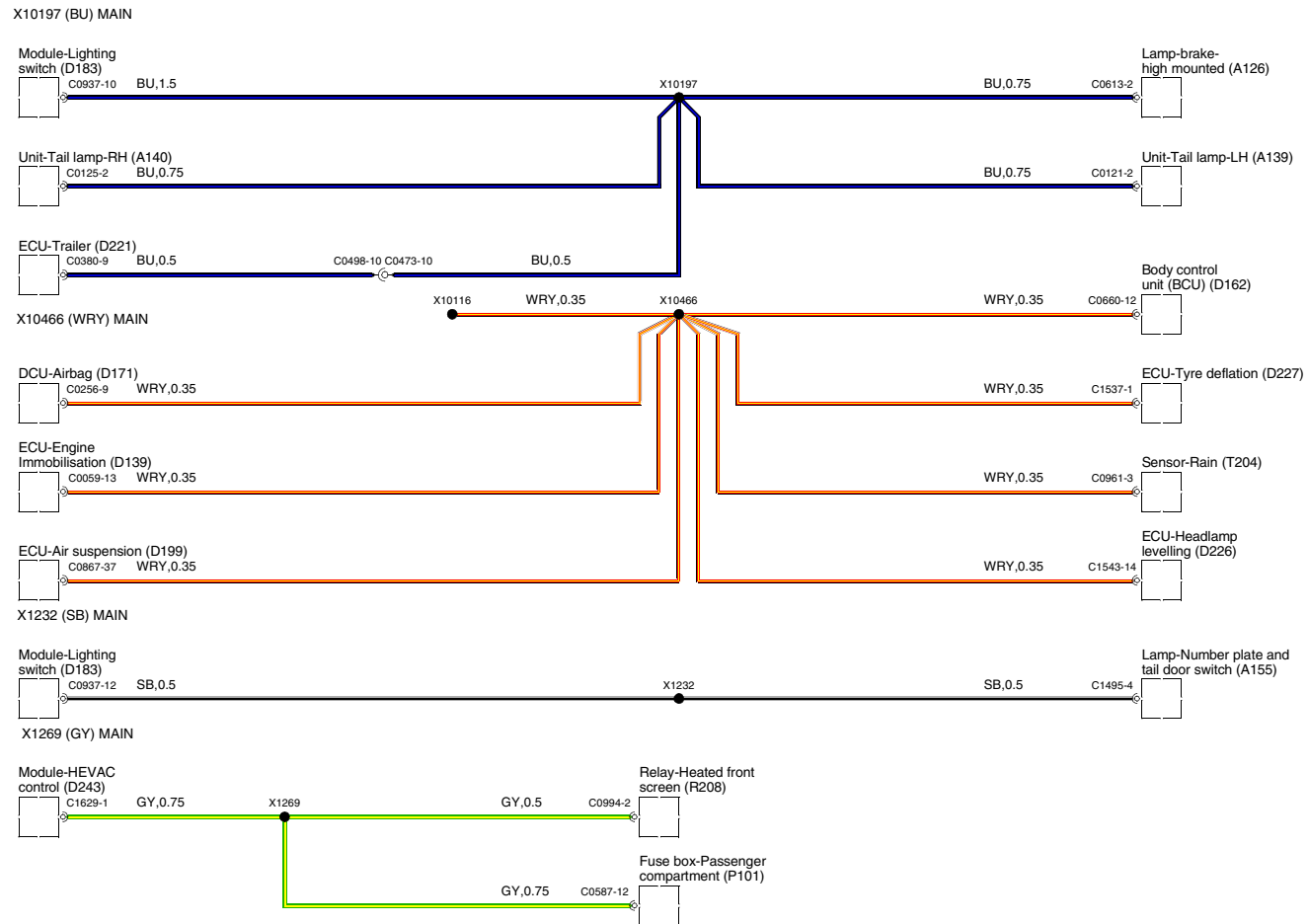
X1019 (SR) MAIN



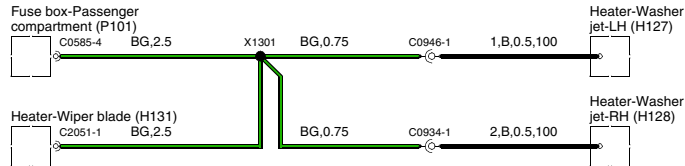
X1123 (NGY) MAIN



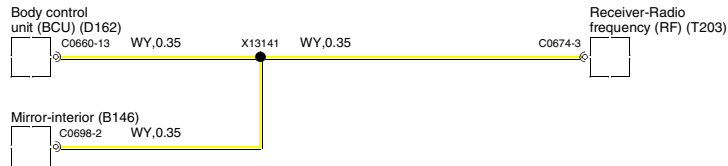
65 SPLICES AND CENTRE TAPS



X1301 (BG) MAIN



X13141 (WY) MAIN



X13332 (NU) MAIN



X13333 (NR) MAIN



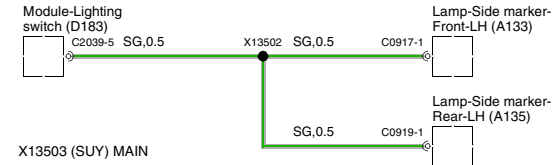
X13334 (NB) MAIN



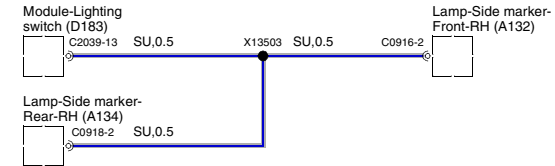
X13335 (NW) MAIN



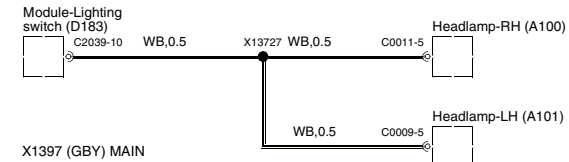
X13502 (SG) MAIN



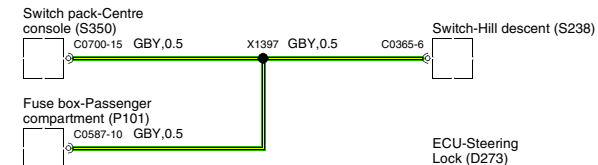
X13503 (SUY) MAIN



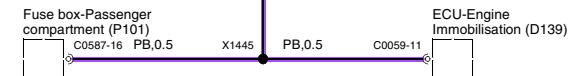
X13727 (WB) MAIN



X1397 (GBY) MAIN

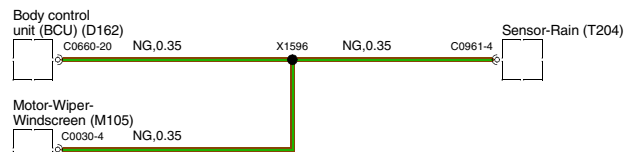


X1445 (PB) MAIN

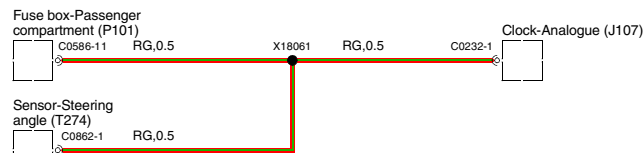


65 SPLICES AND CENTRE TAPS

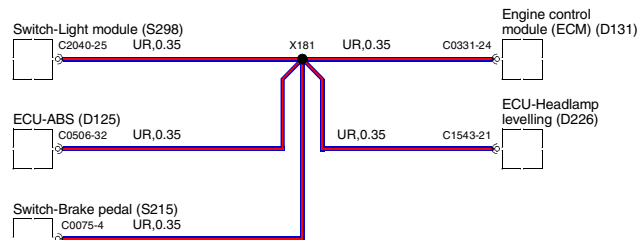
X1596 (NG) MAIN



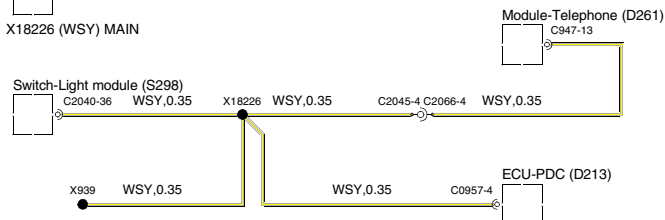
X18061 (RG) MAIN



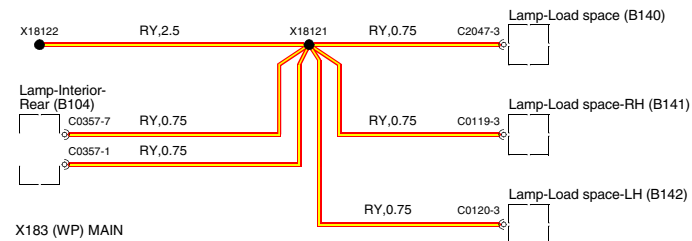
X181 (UR) MAIN



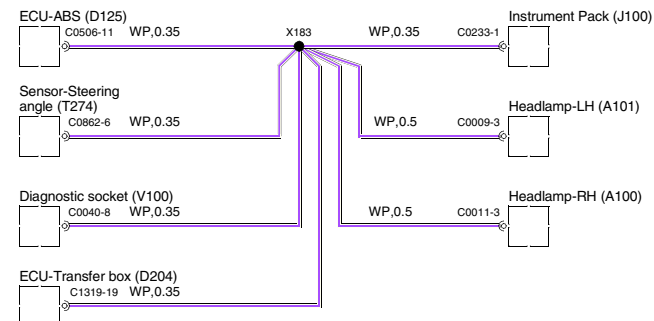
X18226 (WSY) MAIN



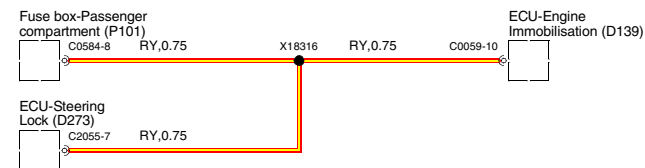
X18121 (RY) MAIN

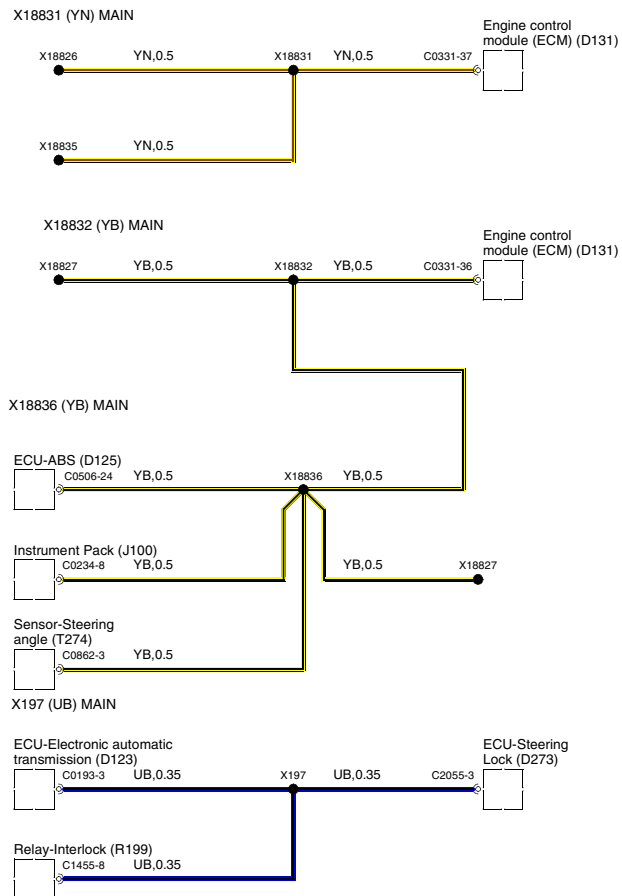


X183 (WP) MAIN



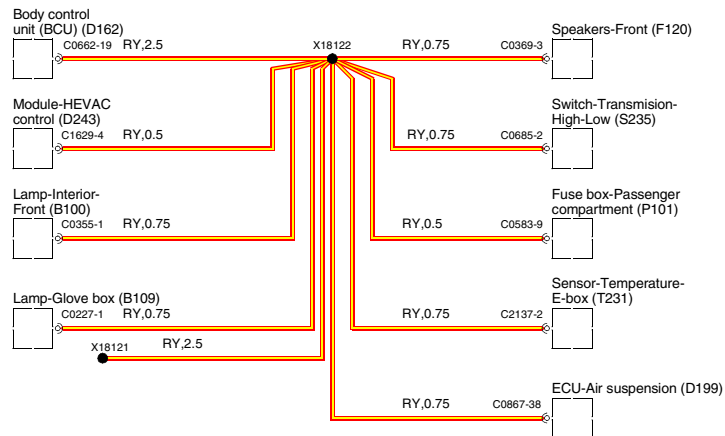
X18316 (RY) MAIN



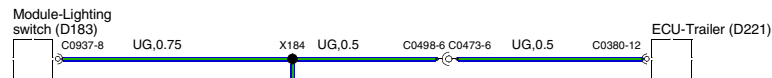


65 SPLICES AND CENTRE TAPS

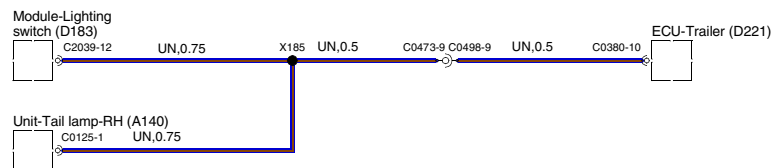
X18122 (RY) MAIN



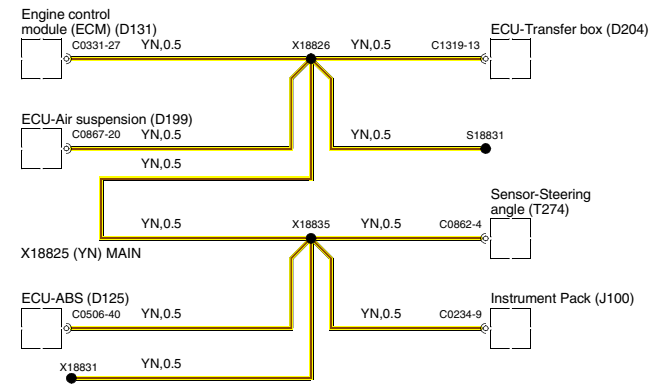
X184 (UG) MAIN



X185 (UN) MAIN



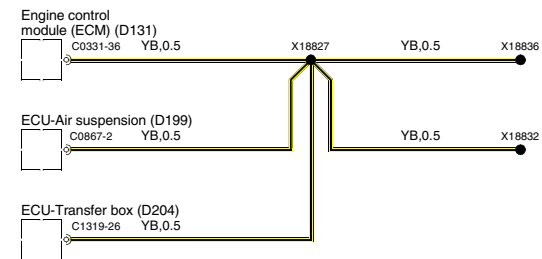
X18826 (YN) MAIN



X18825 (YN) MAIN

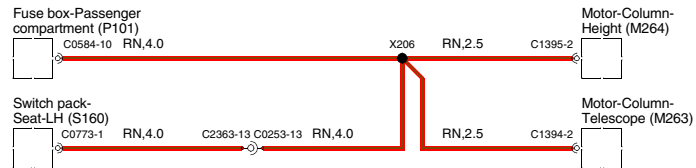


X18827 (YB) MAIN

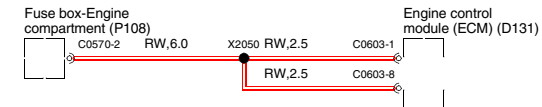


65 SPLICES AND CENTRE TAPS

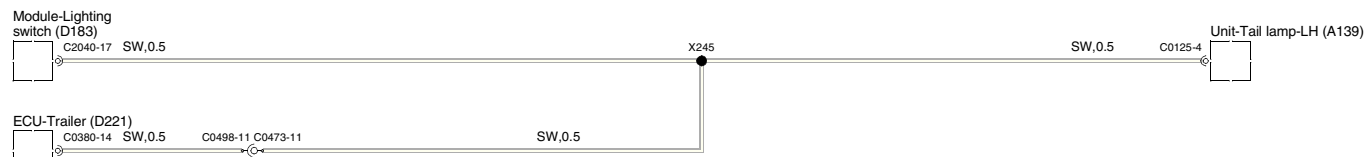
X206 (RN) MAIN



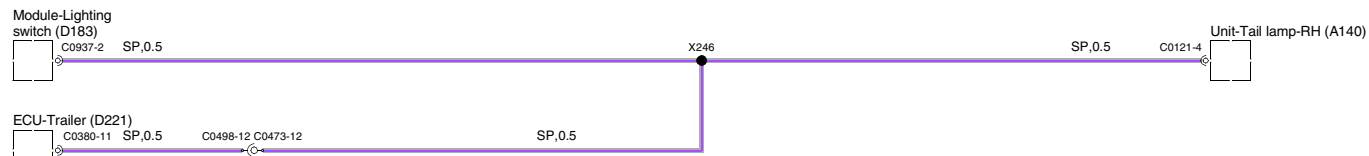
X2050 (R) Td6 ENG



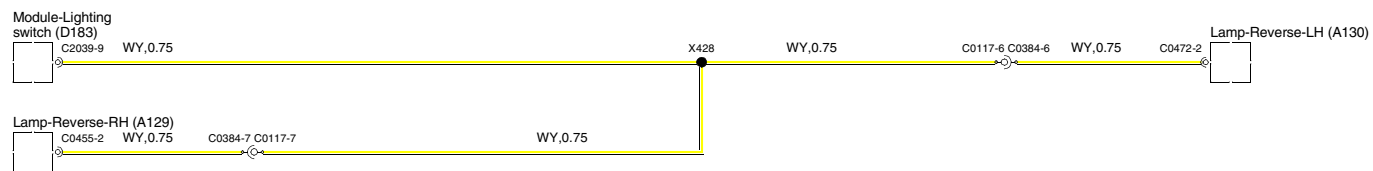
X245 (SW) MAIN



X246 (SP) MAIN

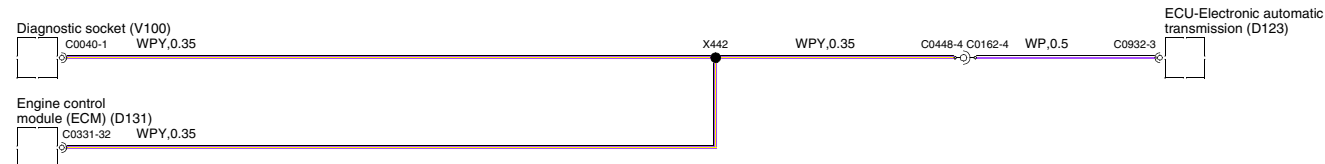


X428 (WY) MAIN

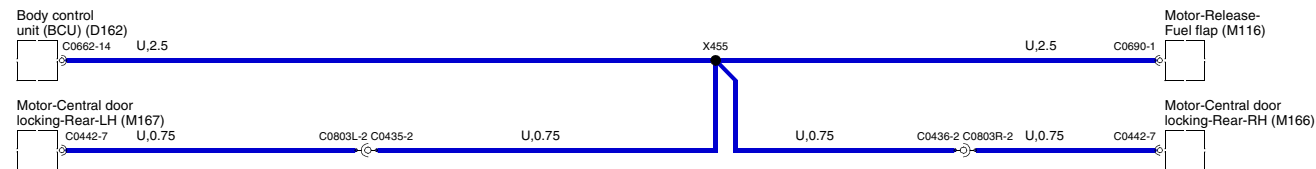


65 SPLICES AND CENTRE TAPS

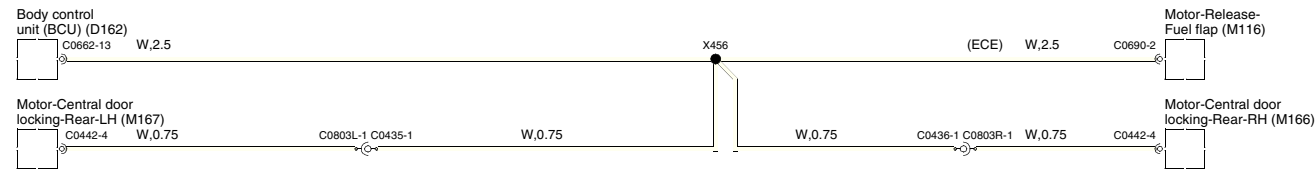
X442 (WPY) MAIN



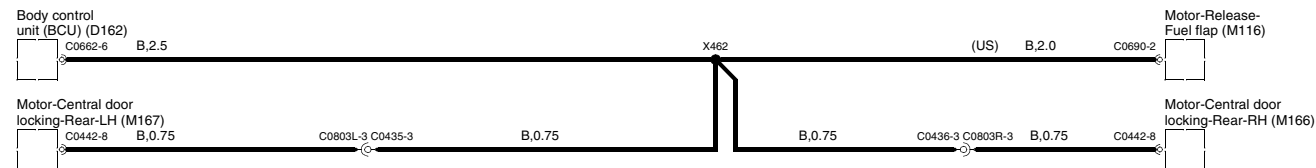
X455 (U) MAIN



X456 (W) MAIN



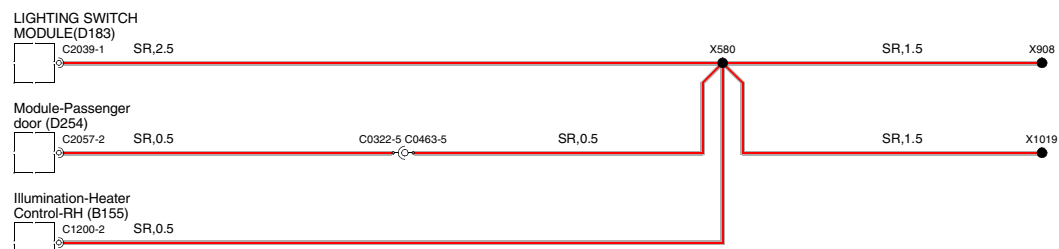
X462 (B) MAIN



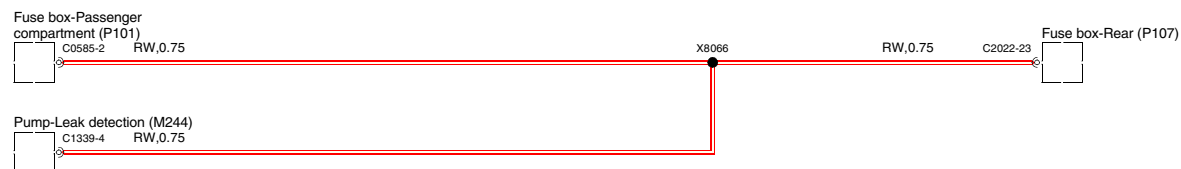
X465 (NY) MAIN



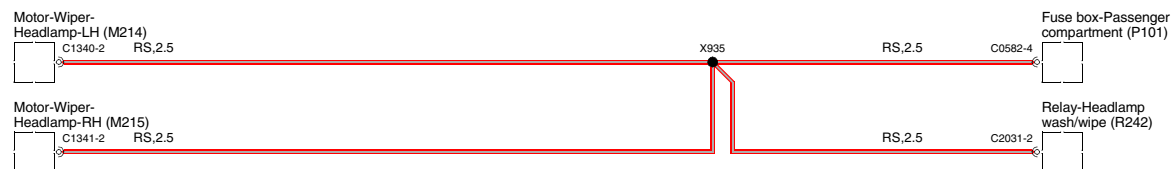
X580 (SR) MAIN



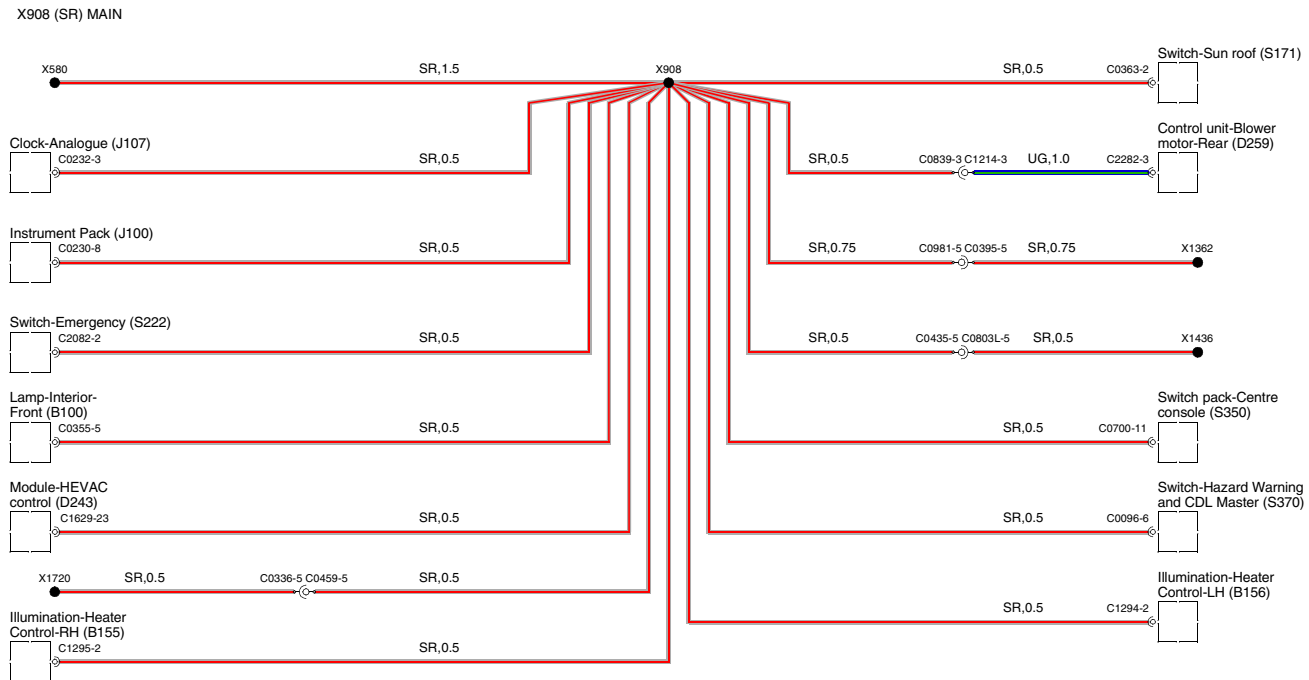
X8066 (RW) MAIN



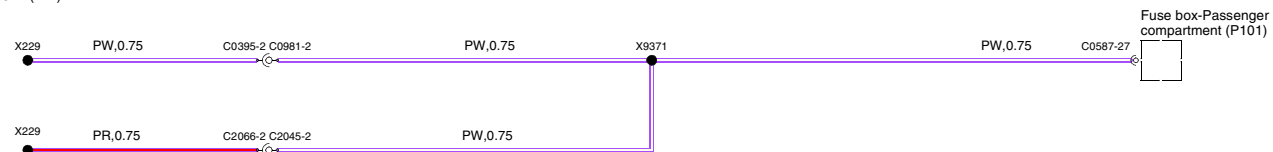
X935 (RS) MAIN



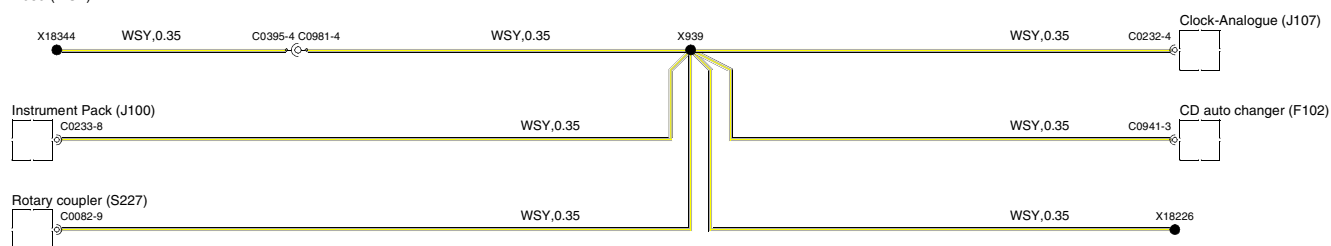
65 SPLICES AND CENTRE TAPS



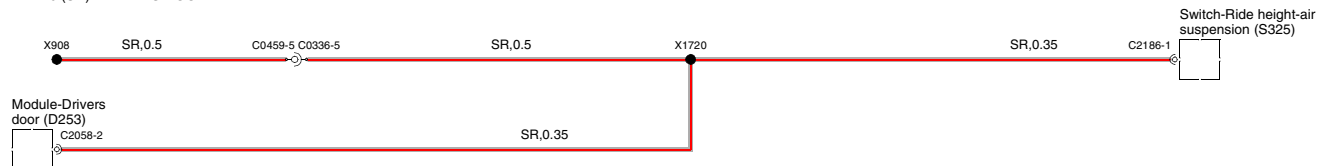
X9371 (PW) MAIN



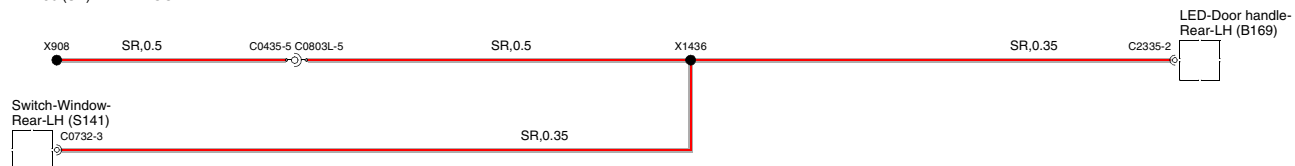
X939 (WSY) MAIN



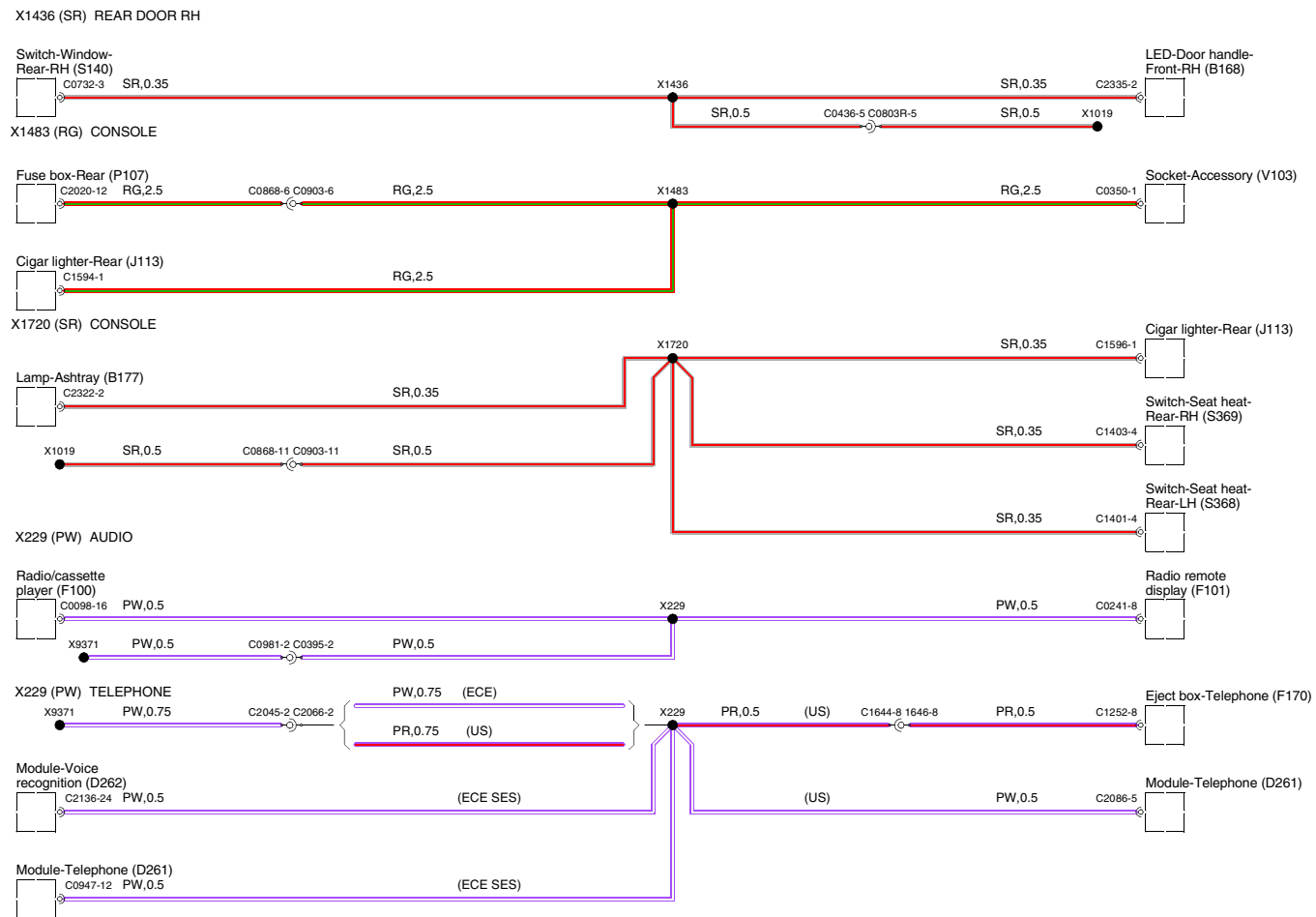
X1720 (SR) DRIVERS DOOR



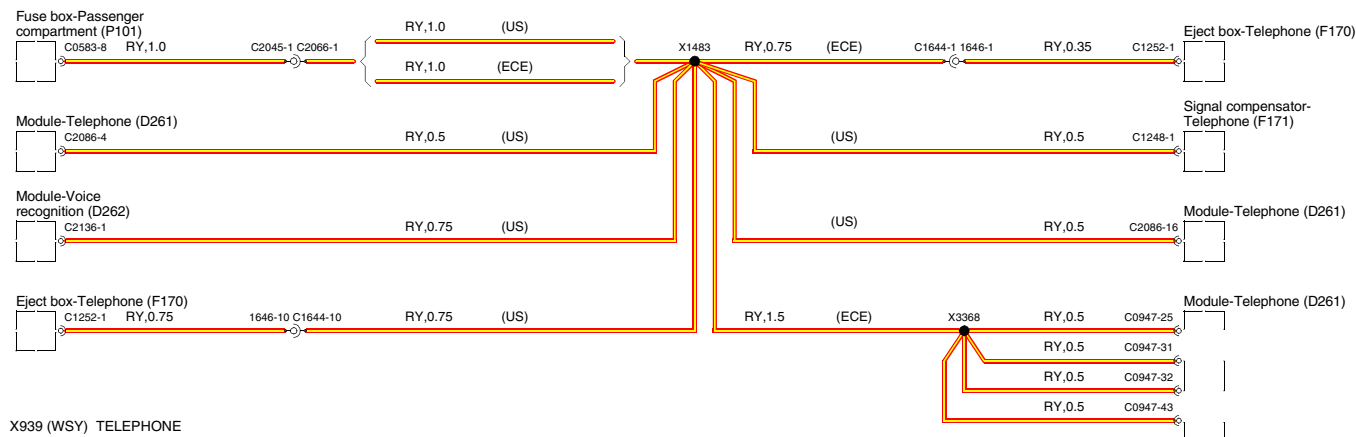
X1436 (SR) REAR DOOR LH



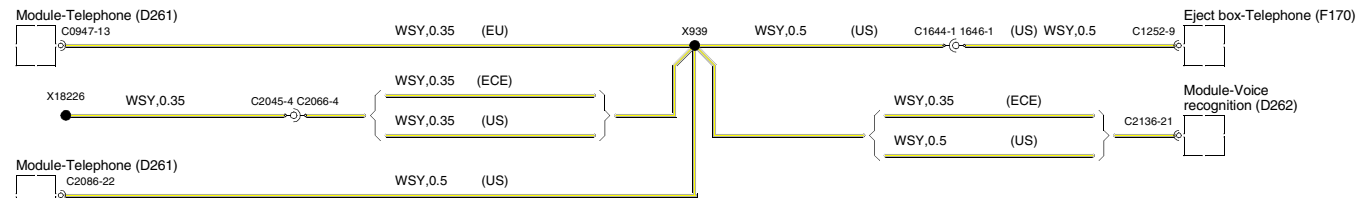
65 SPLICES AND CENTRE TAPS



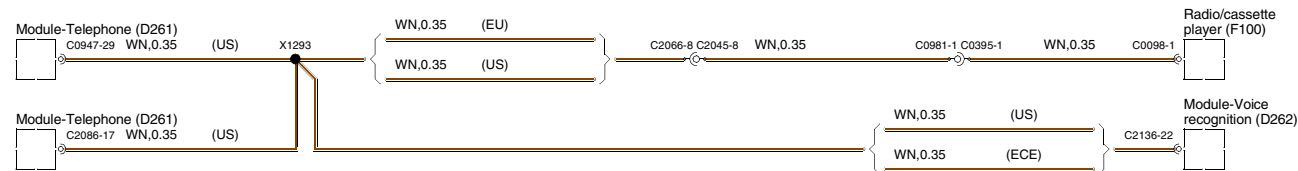
X1483 (RY) TELEPHONE X3368 (RY) TELEPHONE



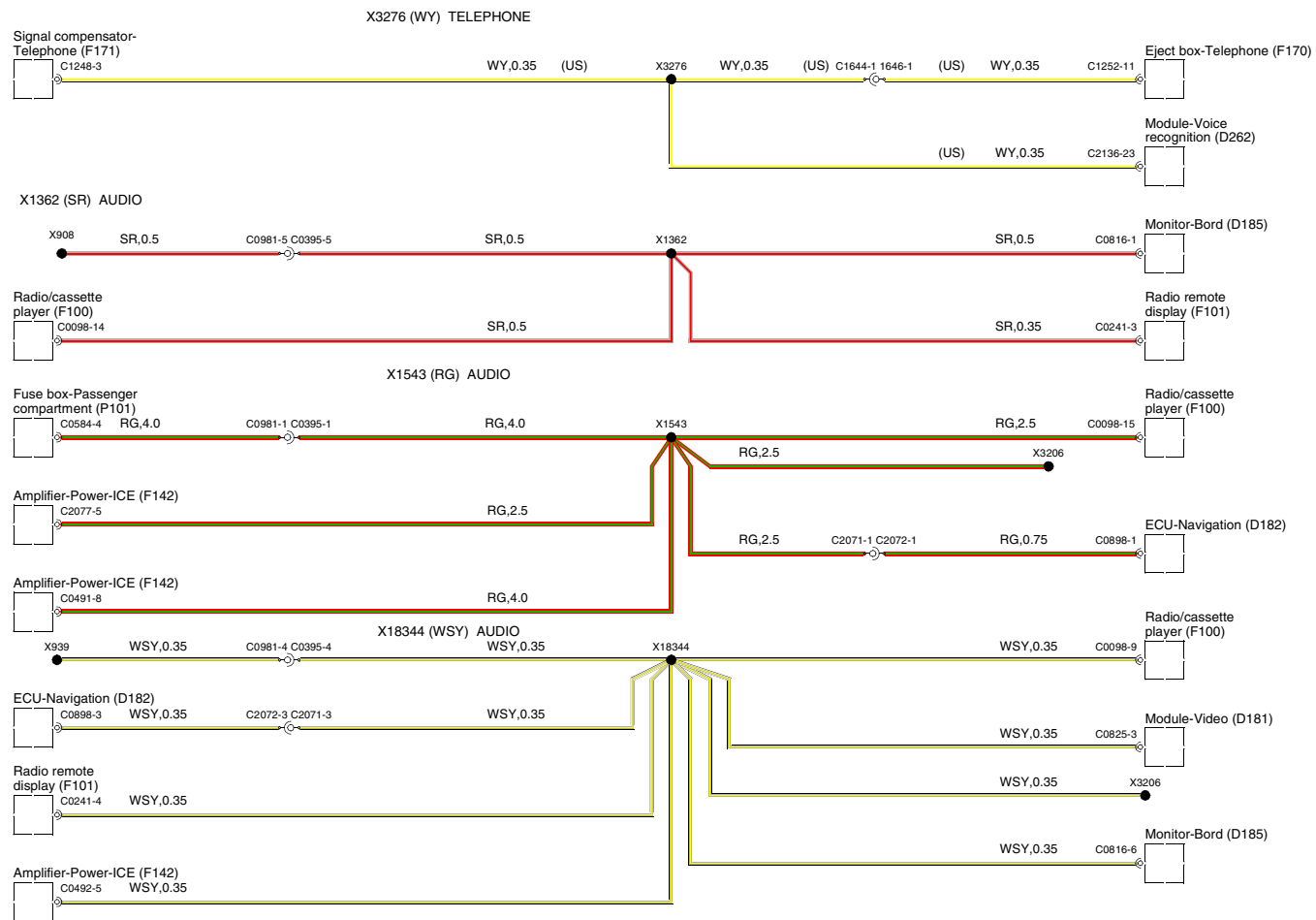
X939 (WSY) TELEPHONE

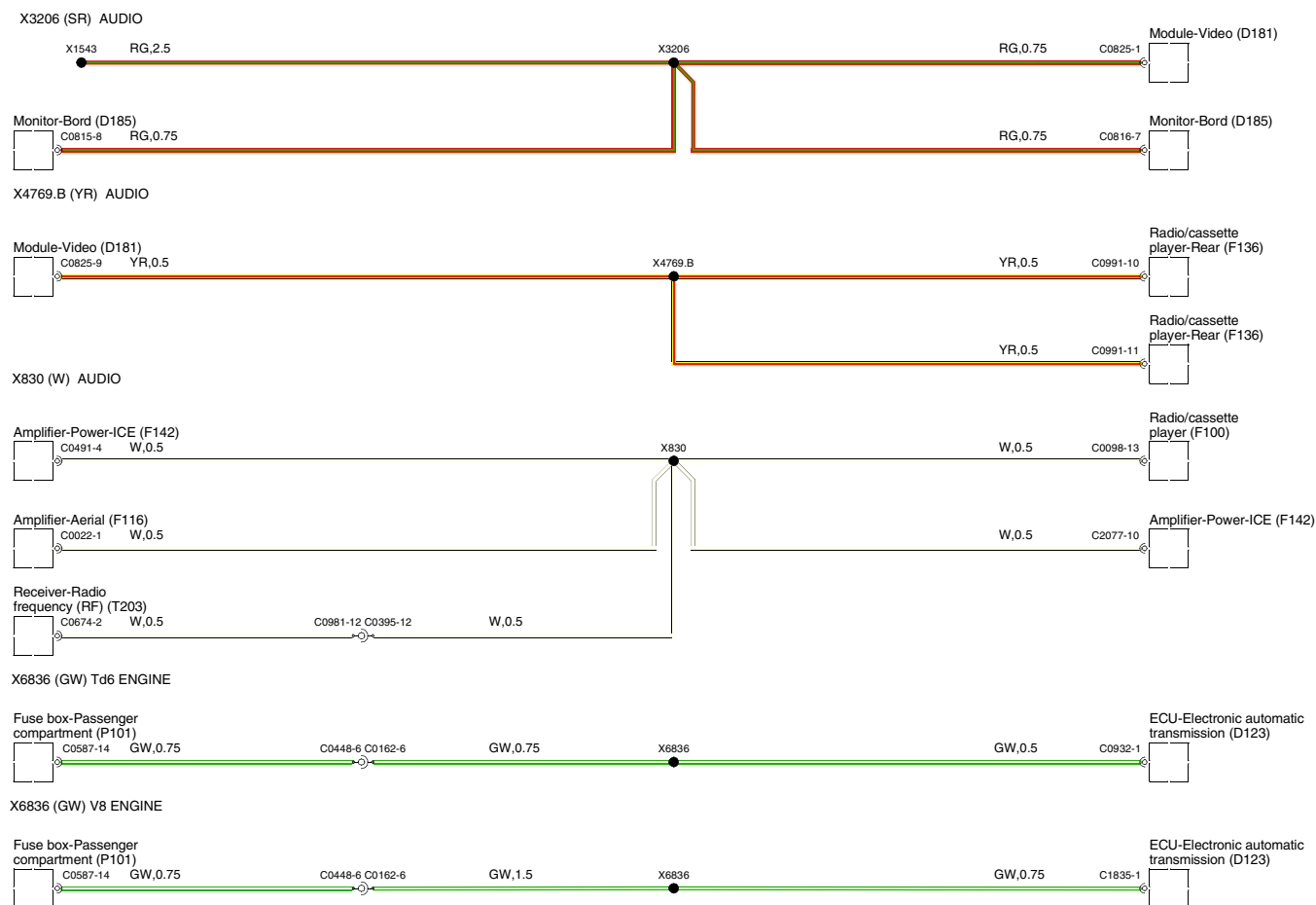


X1293 (WN) TELEPHONE

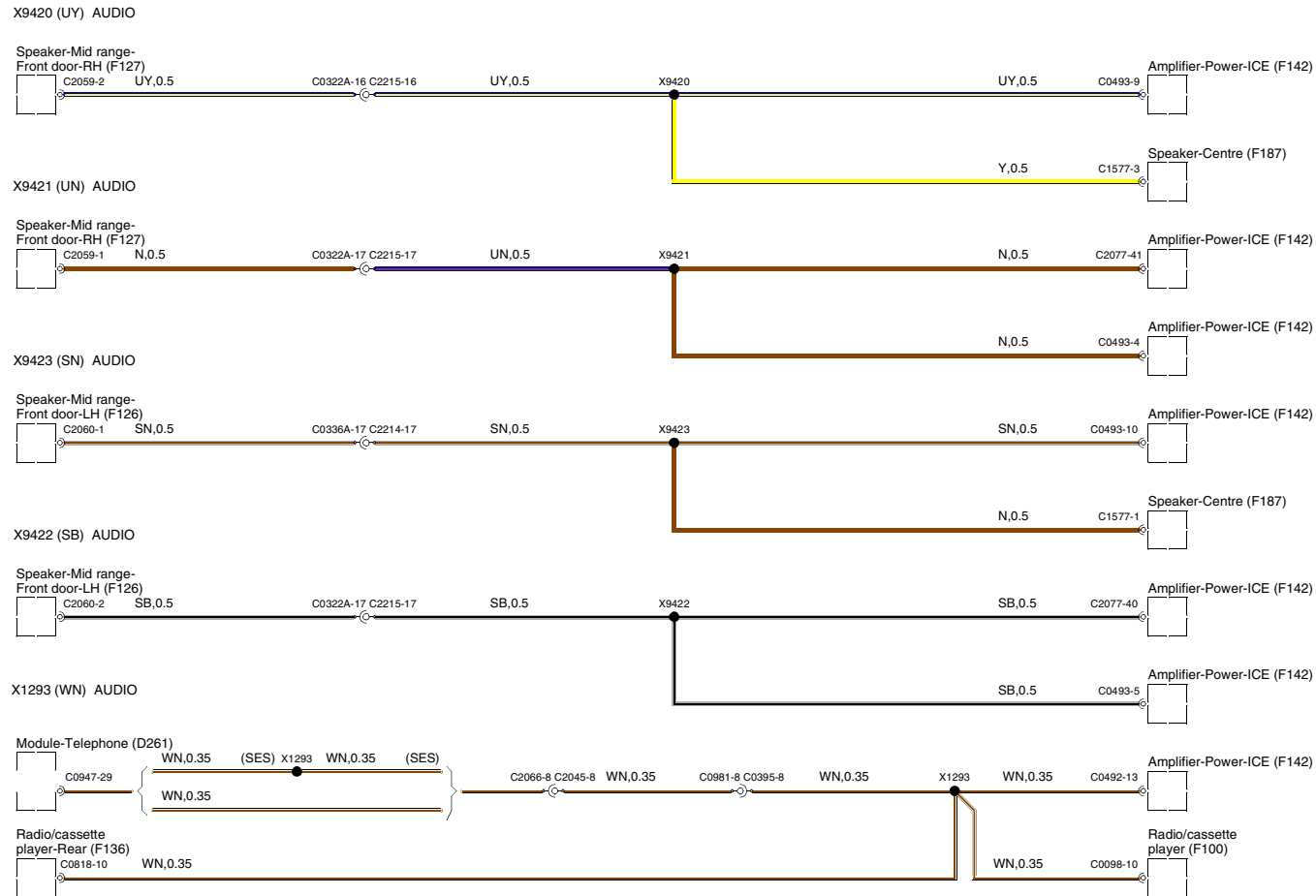


65 SPLICES AND CENTRE TAPS

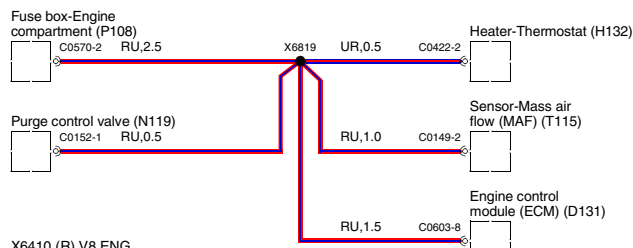




65 SPLICES AND CENTRE TAPS



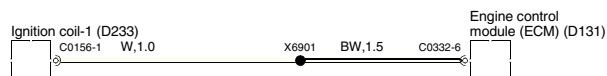
X6819 (RU) V8 ENG



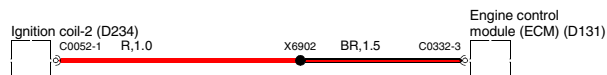
X6410 (R) V8 ENG



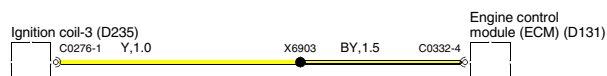
X6901 (W/BW) V8 ENG



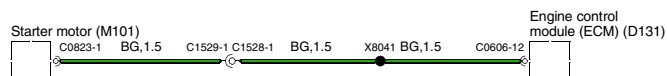
X6902 (R/BR) V8 ENG



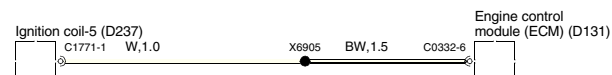
X6903 (Y/BY) V8 ENG



X8041 (BG) V8 ENG



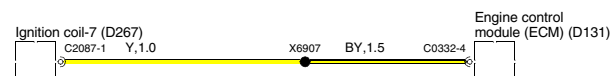
X6905 (W/BW) V8 ENG



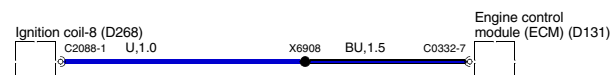
X6906 (R/BR) V8 ENG



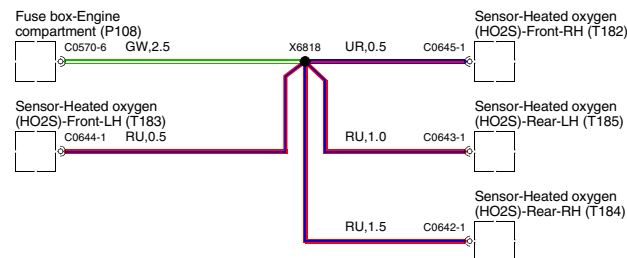
X6907 (Y/BY) V8 ENG



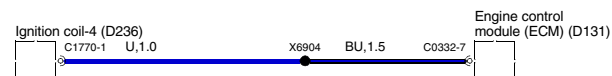
X6908 (U/BU) V8 ENG



X6818 (GW) V8 ENG

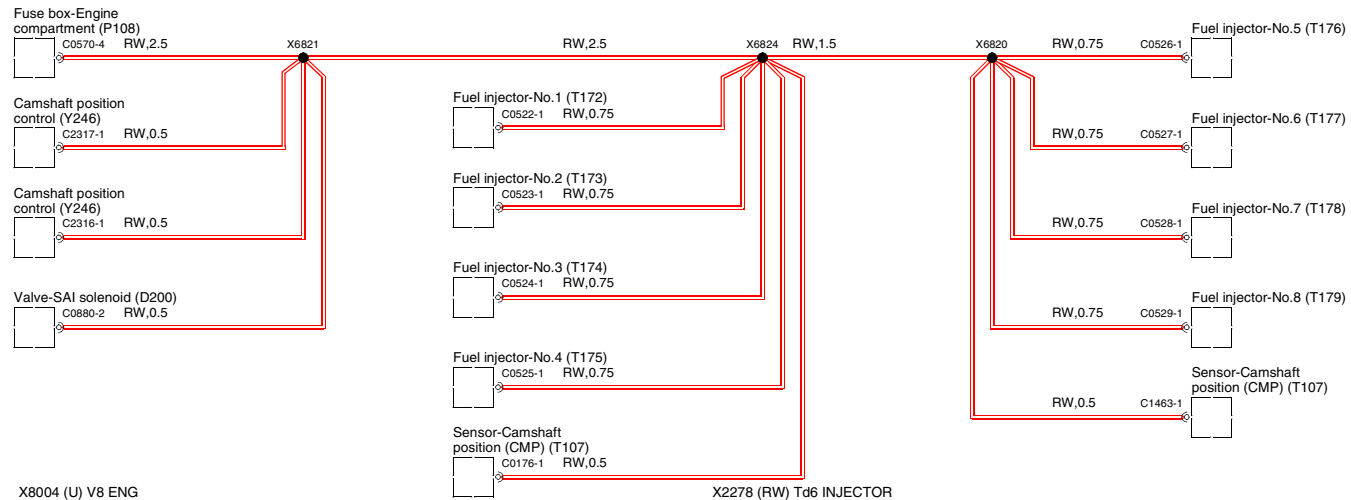


X6904 (U/BU) V8 ENG

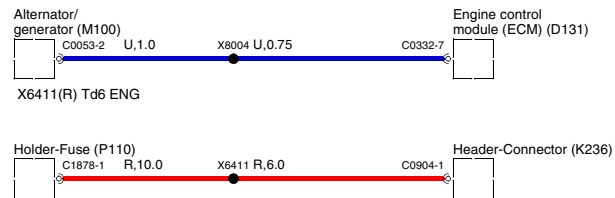


65 SPLICES AND CENTRE TAPS

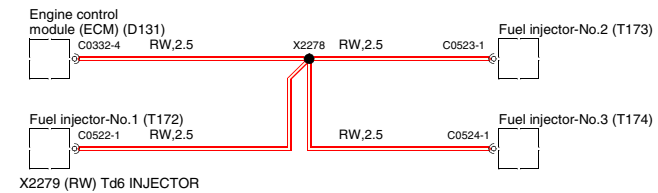
X6821 (RW) V8 ENG X6824 (RW) V8 ENG X6820 (RW) V8 ENG



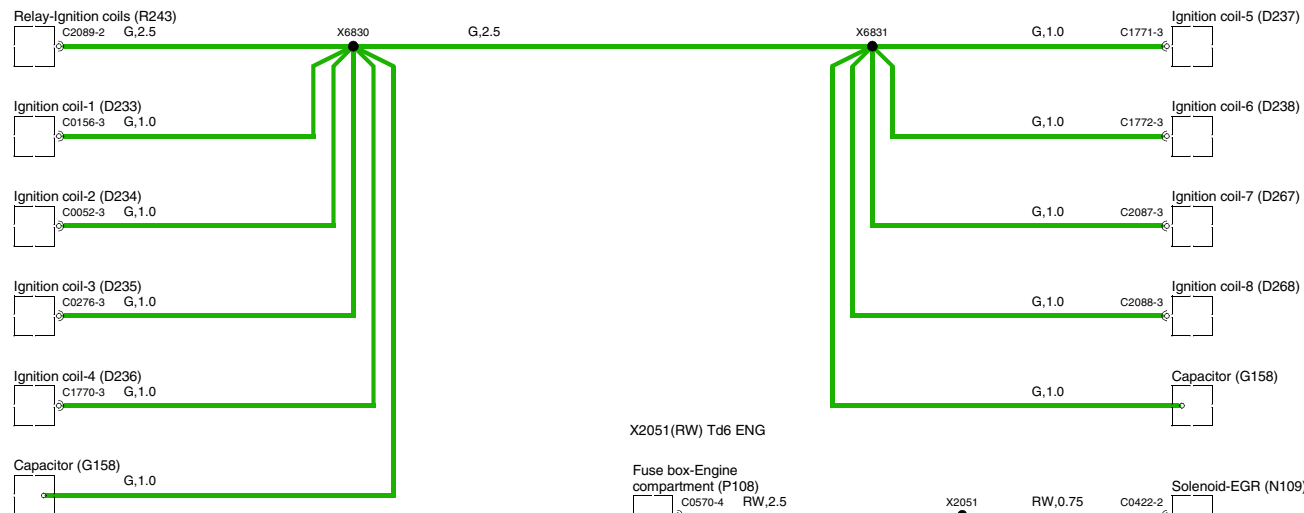
X8004 (U) V8 ENG



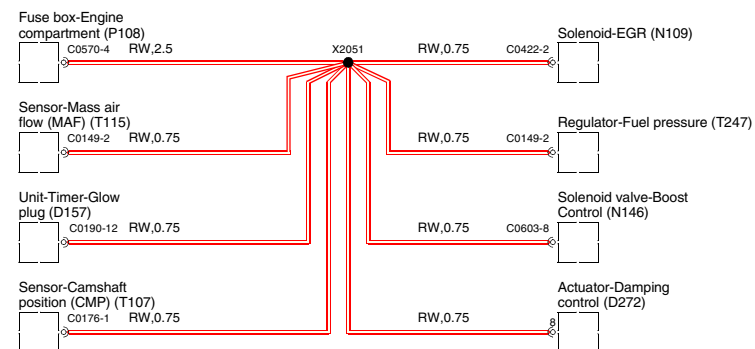
X2278 (RW) Td6 INJECTOR

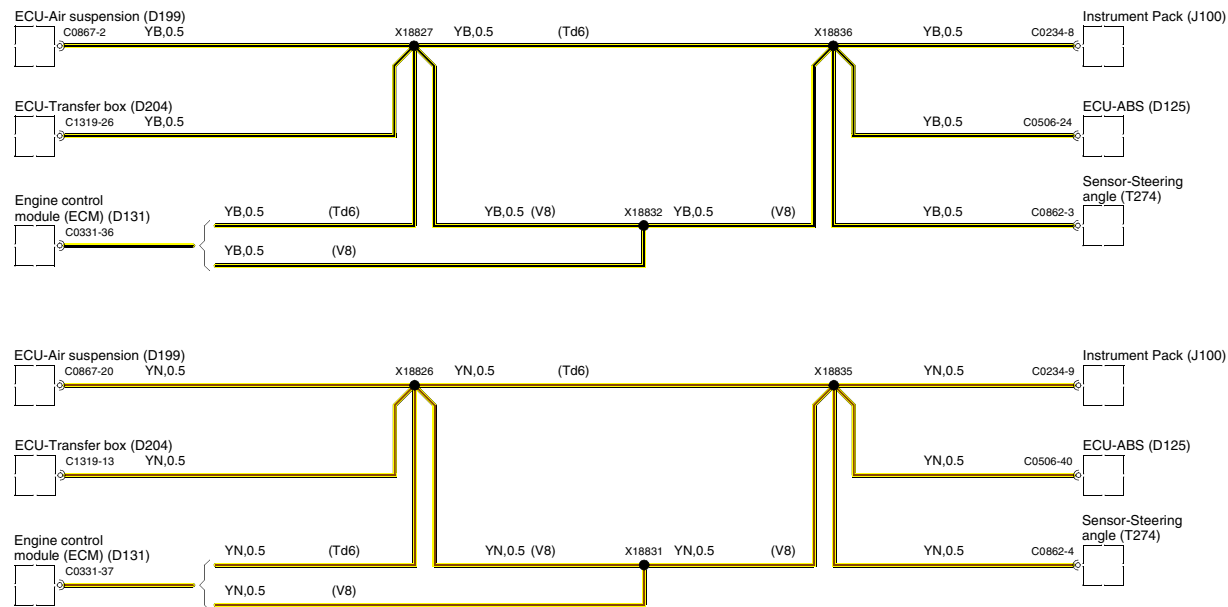


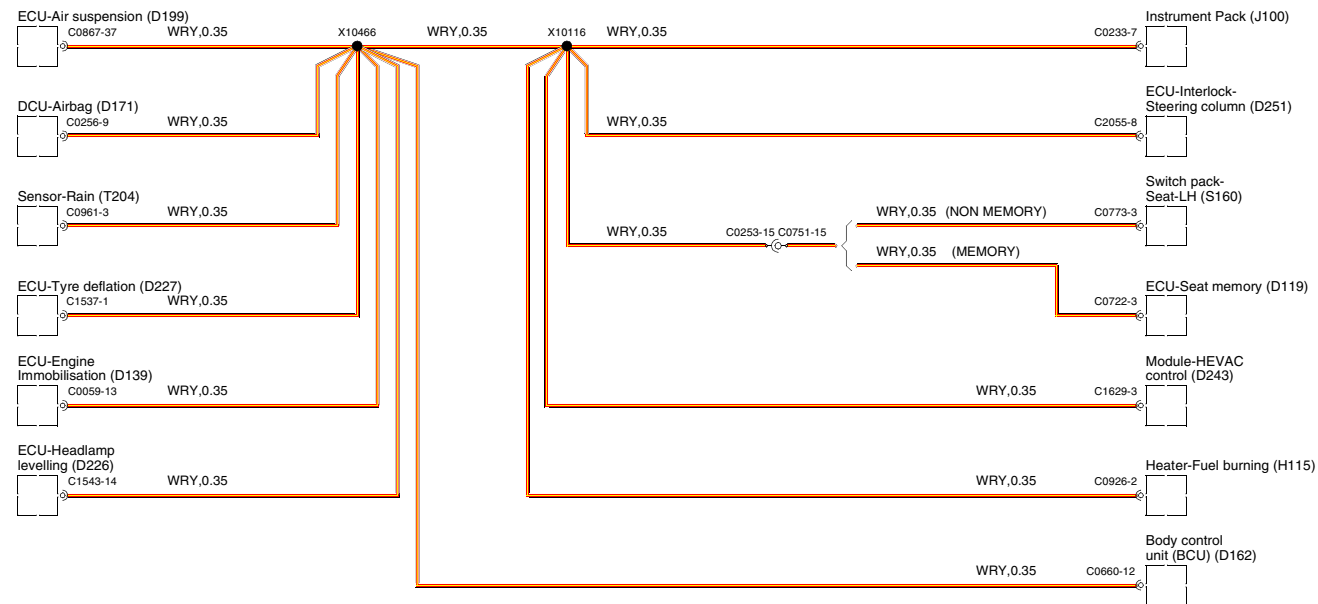
X6830 (G) V8 ENG X6831 (G) V8 ENG

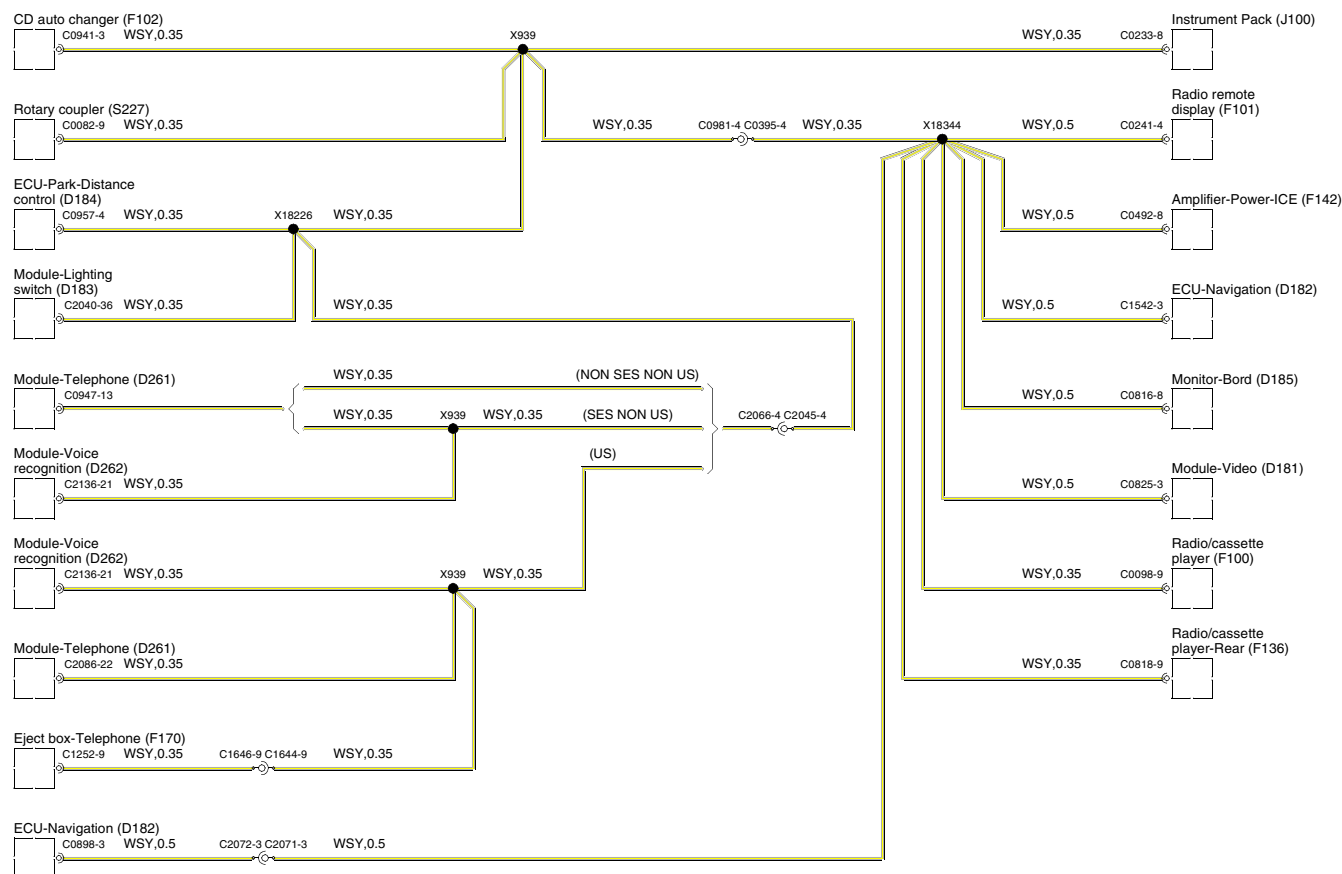


X2051(RW) Td6 ENG

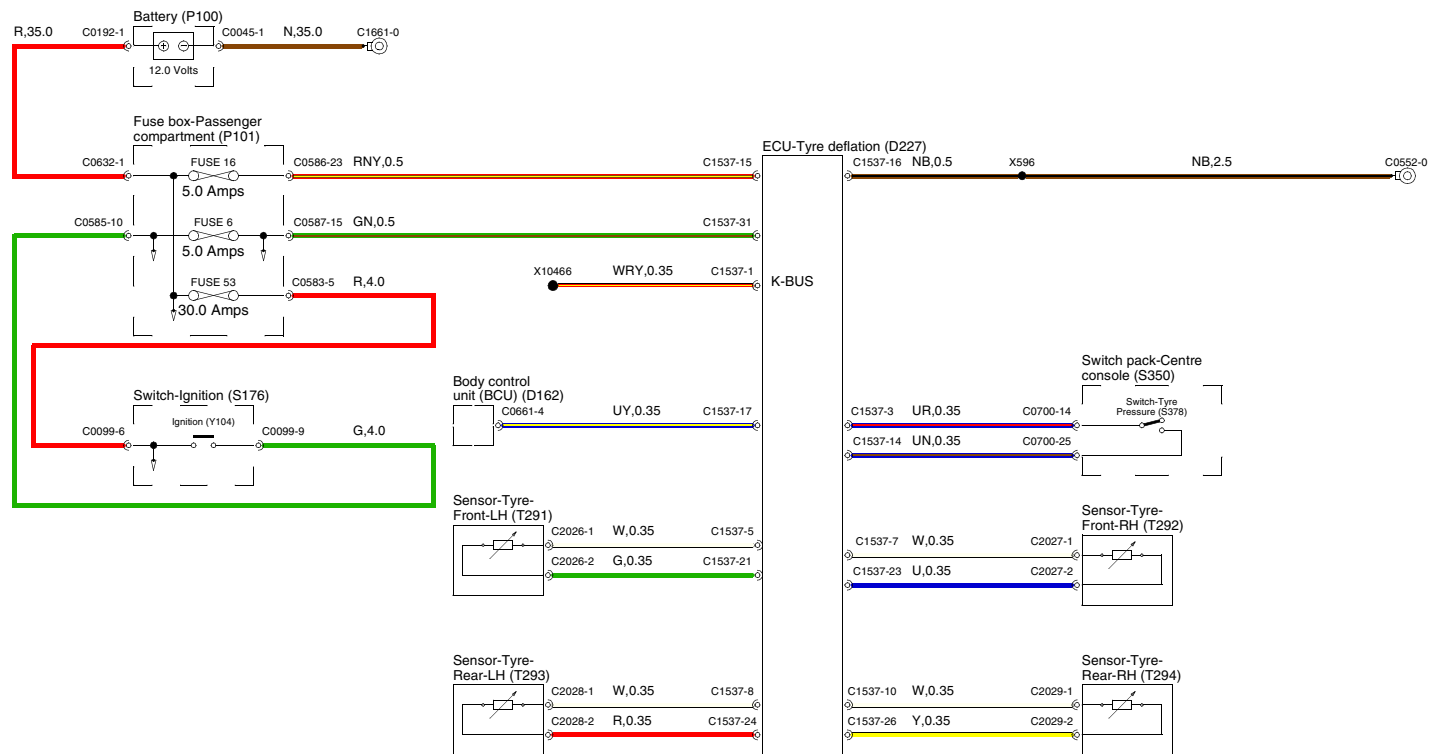








73 TYRE PRESSURE MONITORING



75 PARK DISTANCE CONTROL (PDC)

