



Range Rover
Electrical Circuit Diagrams

VIN: 100000 - 180215

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

CONTENTS

1 POWER DISTRIBUTION	8	9 STEERING WHEEL	66	36 SUPPLEMENTARY RESTRAINT SYSTEM (SRS)	112
Engine Compartment Fuse Box - Td6	8	Adjustable	66		
Engine Compartment Fuse Box - V8	10	Adjustable - Memory	68	38 AIR TEMPERATURE CONTROL (ATC)	114
Passenger Compartment Fuse Box	12	Heated	70	Low-Line	114
Rear Fuse Box	18			High Line	116
2 EARTH DISTRIBUTION	20	9 STEERING	72	Rear	118
3 ANTI-THEFT ALARM	30	10 DIAGNOSTIC SOCKET	74	39 FUEL BURNING HEATER	120
3 ENGINE IMMOBILISATION	32	11 BODY CONTROL UNIT	76	Td6	120
Td6	32	15 CHARGING AND STARTING	80	V8	122
V8	34	Td6	80	40 HEATED FRONT SCREEN	124
4 CENTRAL DOOR LOCKING	36	V8	82	40 HEATED REAR SCREEN	126
5 WINDOWS	38	20 ENGINE MANAGEMENT SYSTEM	84	42 WIPERS AND WASHERS	128
Front	38	Td6	84	Front	128
Rear	40	V8	88	Rear	130
6 SUNROOF	42	20 FUEL PUMP	94	Heated	132
7 DOOR MIRRORS	44	20 SECONDARY AIR INJECTION	96	Headlamps	134
Memory	46	22 COOLING FANS	98	43 EXTERIOR LAMPS	136
Folding	48	Fuel System - Td6	100	Head, side and tail lamps	136
7 INTERIOR MIRROR	50	31 CRUISE CONTROL	102	Head, side and tail lamps - Xenon	138
8 SEATS	52	32 ELECTRONIC AUTOMATIC TRANSMISSION	104	Headlamp levelling - Automatic	140
Front	52	GM5	104	Direction indicator lamps\hazard warning	142
Memory	54	ZF	106	Brake and reverse lamps	144
Memory - Contour	56	34 AIR SUSPENSION	108	Fog lamps - Front	146
Lumbar Support - Electric	58	35 ANTI-LOCK BRAKING SYSTEM (ABS)	110	Fog lamps - Rear	148
Lumbar Support - Manual	60			44 INTERIOR LAMPS	150
Heated - Front	62			46 INTERIOR ILLUMINATION	154
Heated - Rear	64				

CONTENTS

47 INSTRUMENTS	160	55 NAVIGATION SYSTEMS	188	73 TYRE PRESSURE MONITORING	226
47 ROTARY COUPLER	164	Europe	188	75 PARK DISTANCE CONTROL (PDC)	228
48 CLOCK	166	57 TELEVISION	190	76 TELECOMMUNICATION SYSTEMS	230
48 HORN (S)	168	Amplifier	192	Europe	230
49 ACCESSORY SOCKET	170	Digital Signal Processor	194	Voice Recognition	232
49 CIGAR LIGHTER	172	57 VIDEO MODULE	196	80 TRAILER SOCKET	234
Australia	174	60 HEADER JOINTS	198		
50 AUDIO SYSTEMS	176	65 SPLICES AND CENTRE TAPS	202		
Amplifier	178	70 COMMUNICATION DATA BUSES	222		
Digital Signal Processor	180	CAN Bus	222		
Logic 7	182	K Bus, I Bus	224		
CD Player	186				

CONTENTS

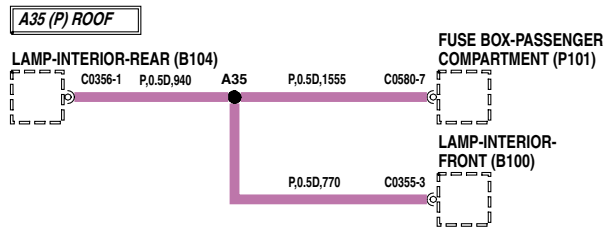
HOW TO USE THE CIRCUIT DIAGRAMS

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

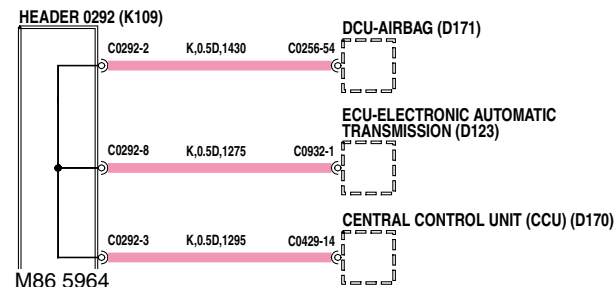
Header and splice tables present the joint(s) and wiring up to the first component. Splices are identified by a number with an alphabetical prefix and the wire colour.

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.

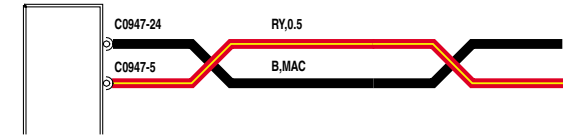
Connectors



M86 5964

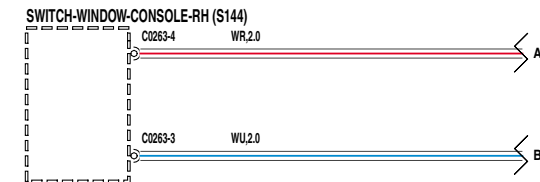
Header joints are identified by their corresponding connector number with a numbered suffix to indicate the pin-out detail of the wire, i.e. C0292-1 identifies connector 292, pin number 1. Wire insulation colour is identified in the normal way. Where wires have a predominant colour with a secondary colour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

Line Types



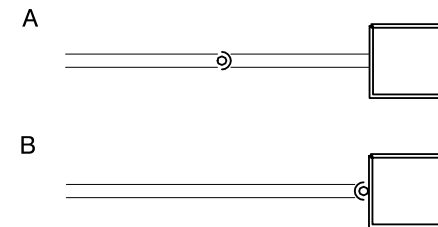
M86 5967

This denotes the wires are a twisted pair.



M86 5968

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



86M4230A

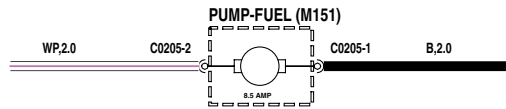
The cup and ball symbol indicates the male and female halves of connector.

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

B. Connector plugs directly into component.

HOW TO USE THE CIRCUIT DIAGRAMS

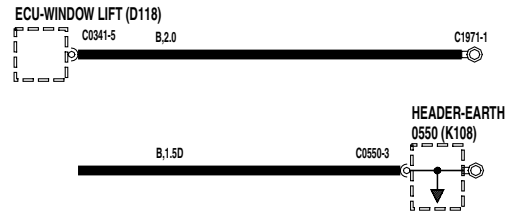
Components



M86 5965

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

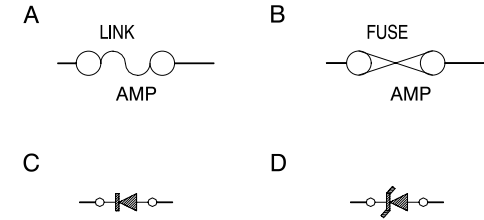
Earth points



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



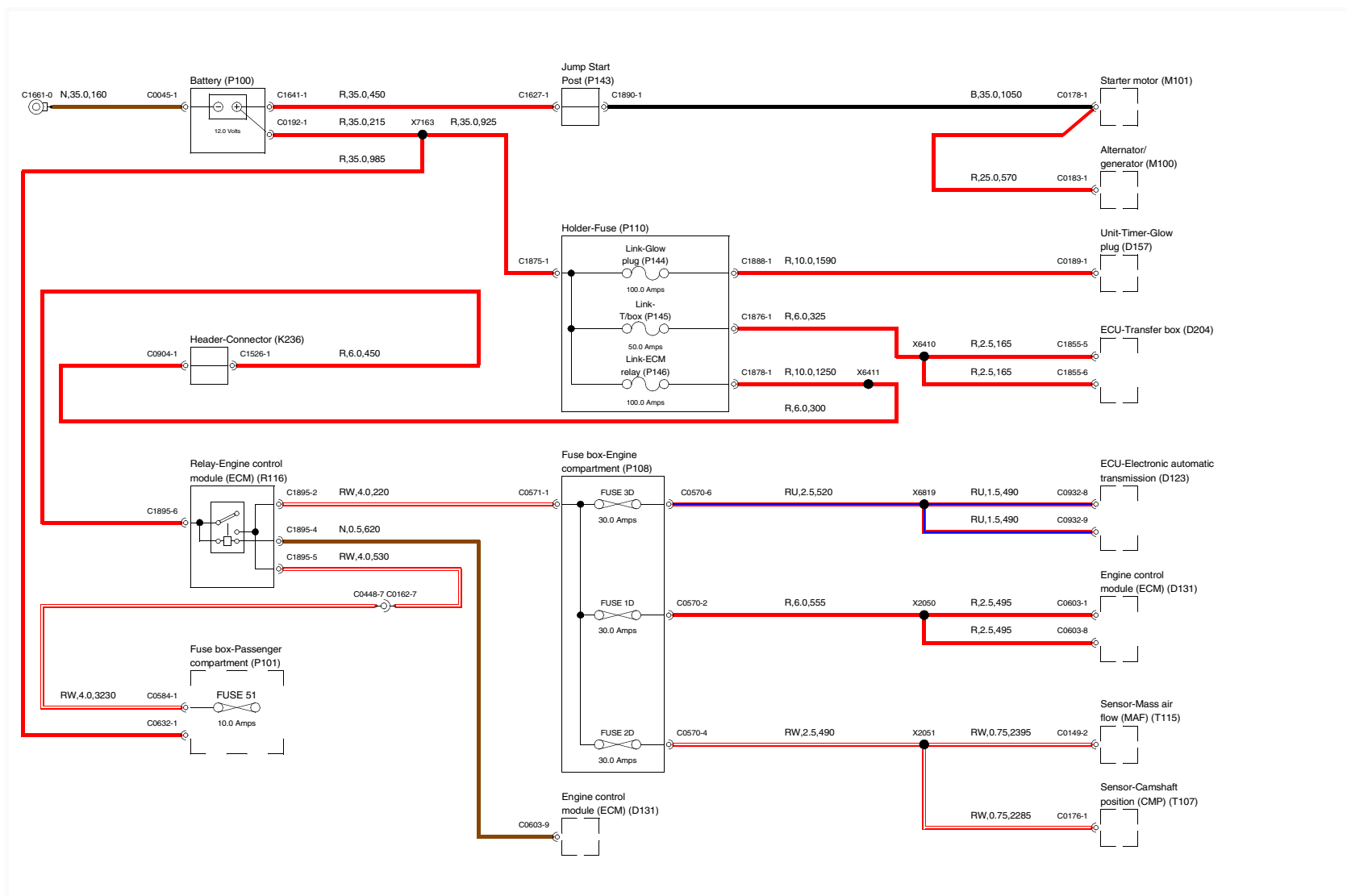
86M4234A

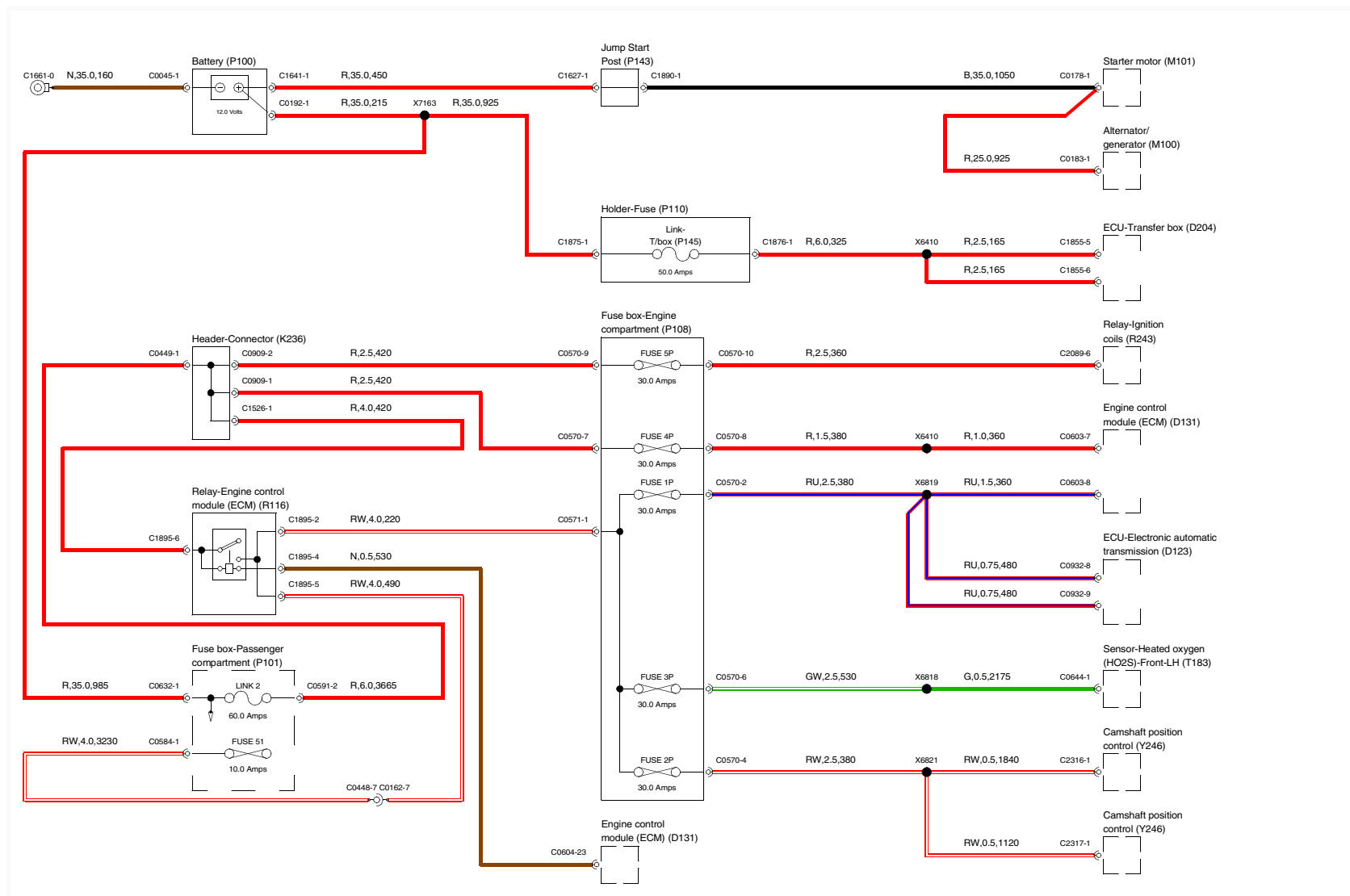
Fusible links (A) and current rated fuses (B) are identified as shown.

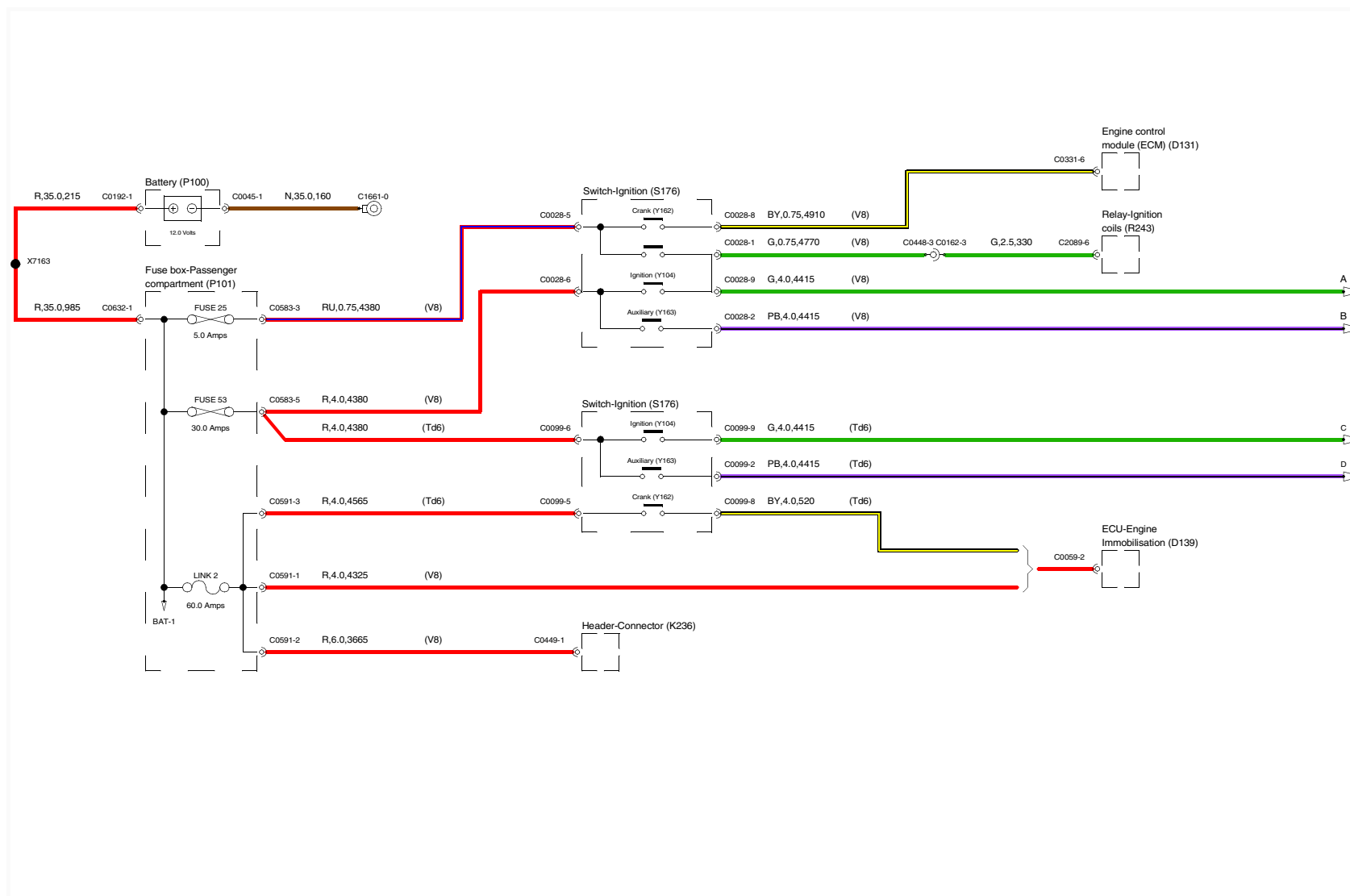
The direction of the arrow in a Diode symbol (C) indicates the direction of current flow. The Zener diode (D) - prevents current flow until a precise voltage is reached.

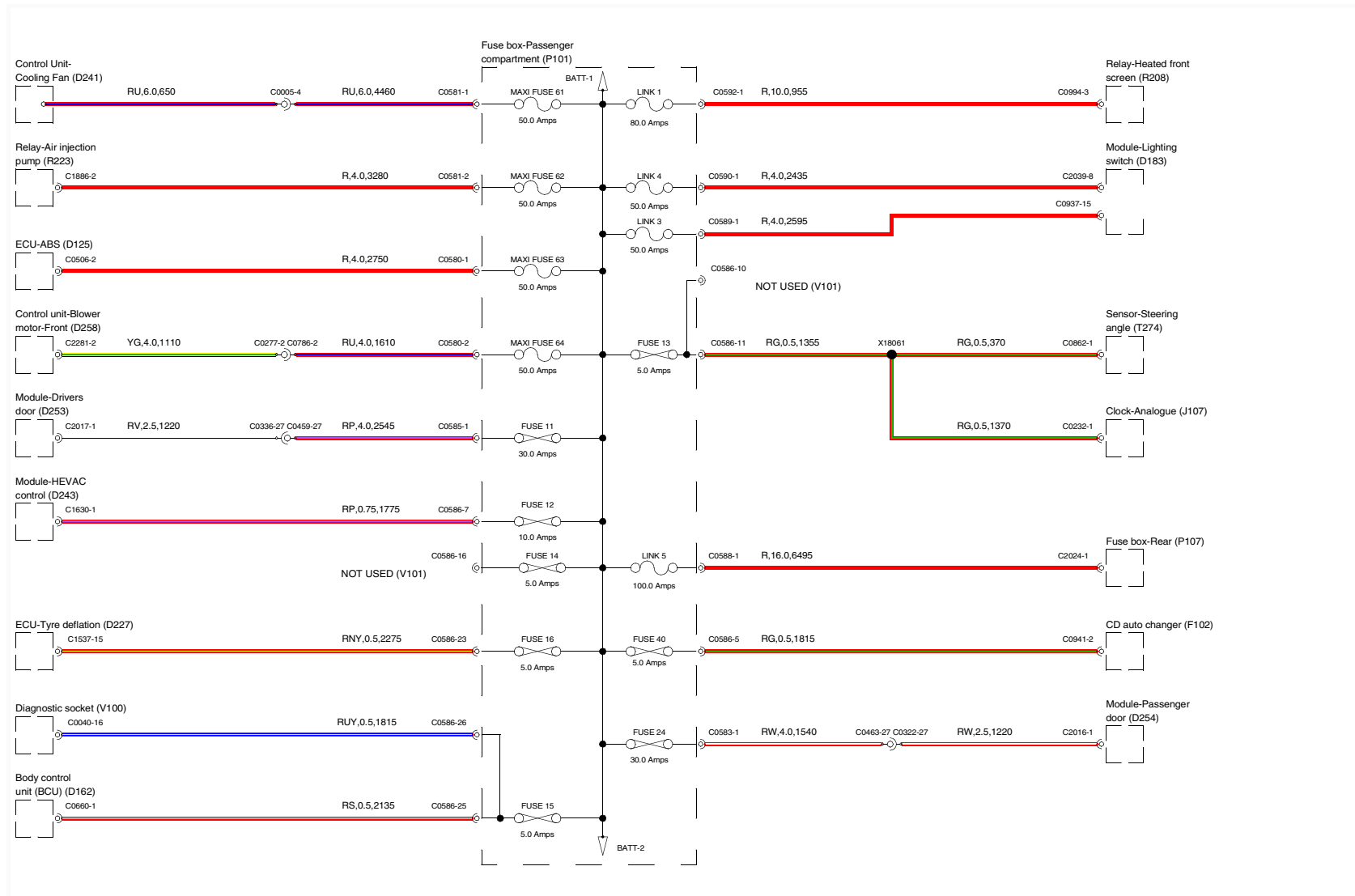
1 POWER DISTRIBUTION

Engine Compartment Fuse Box - Td6



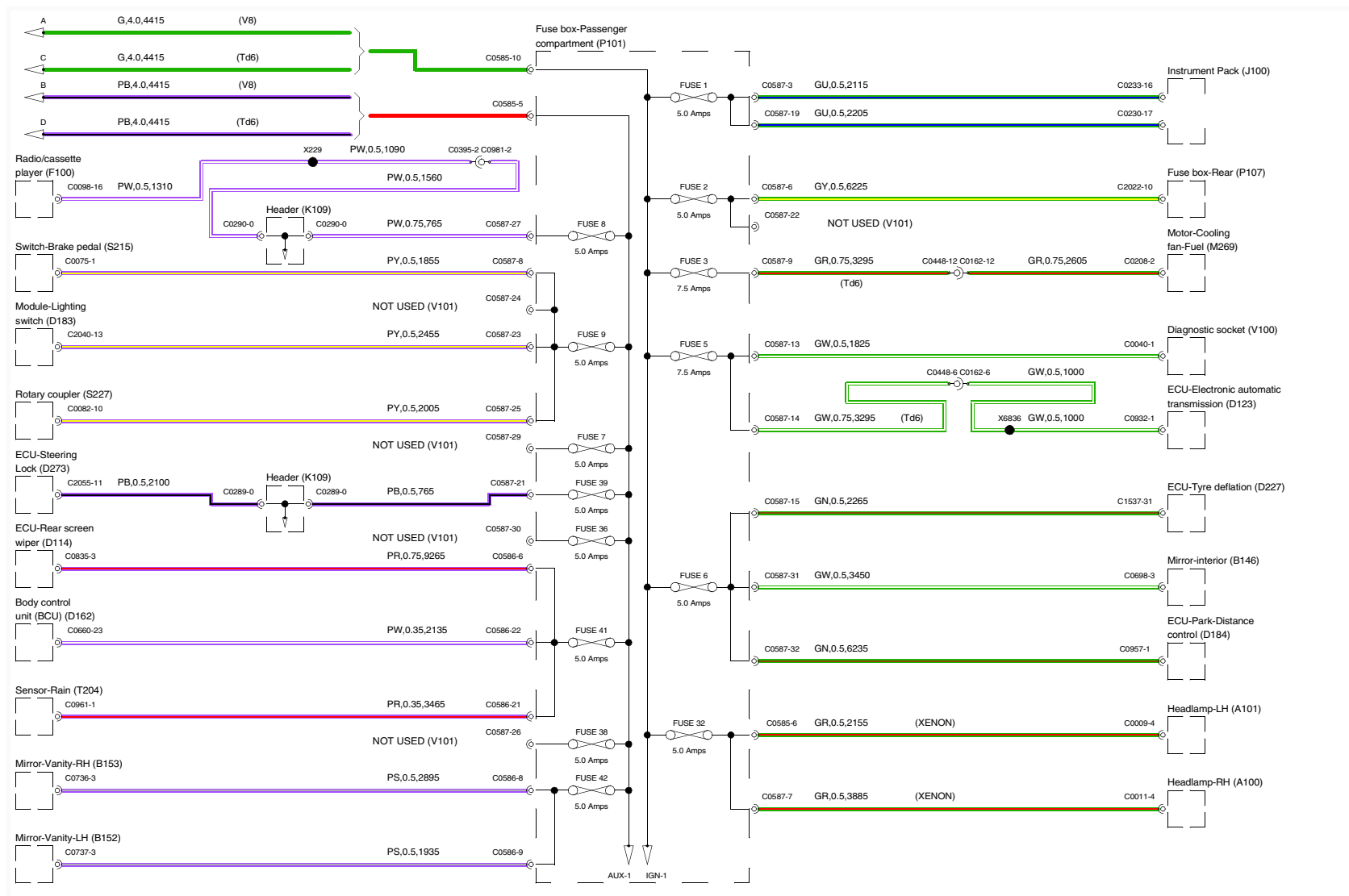


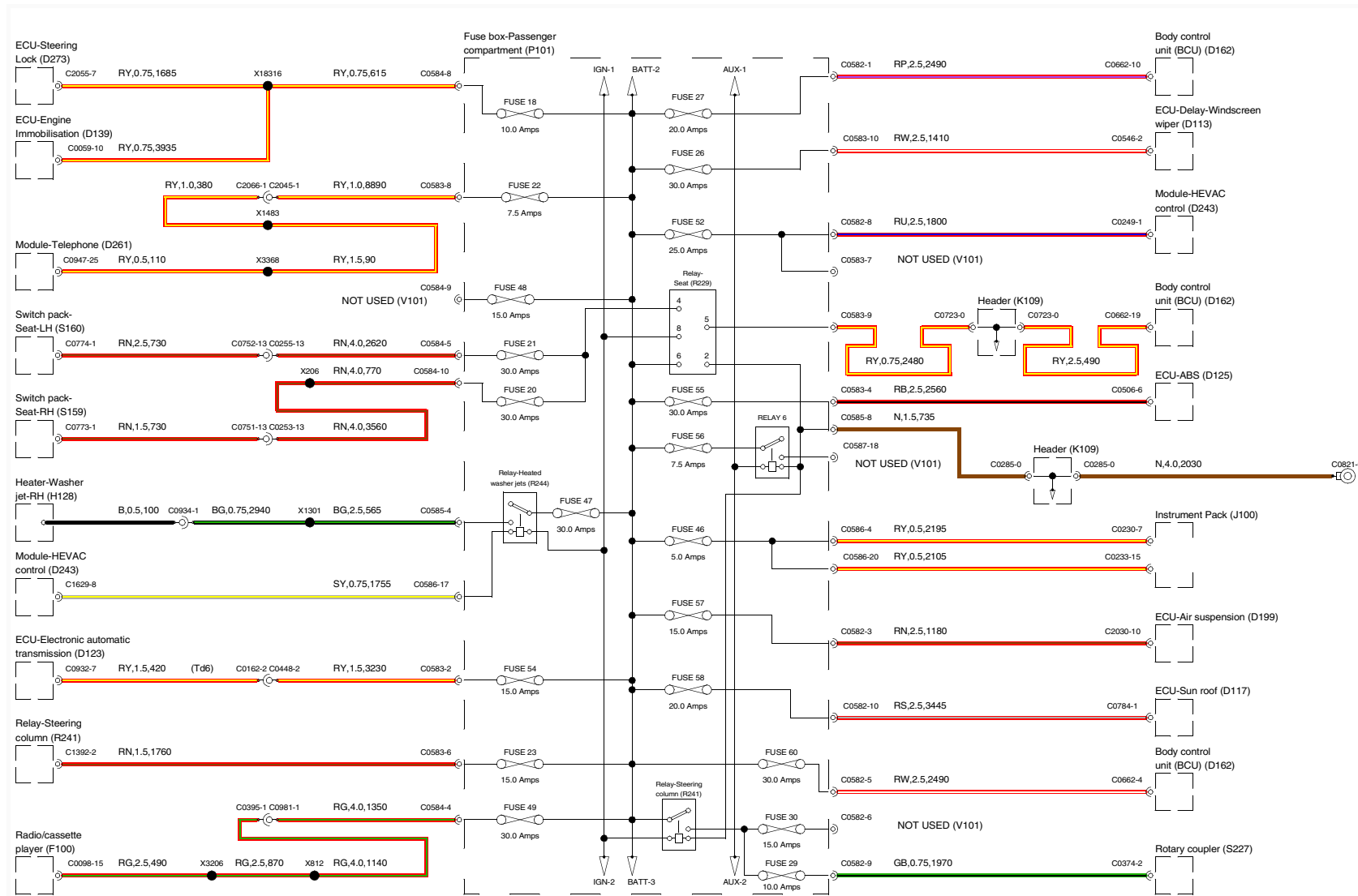


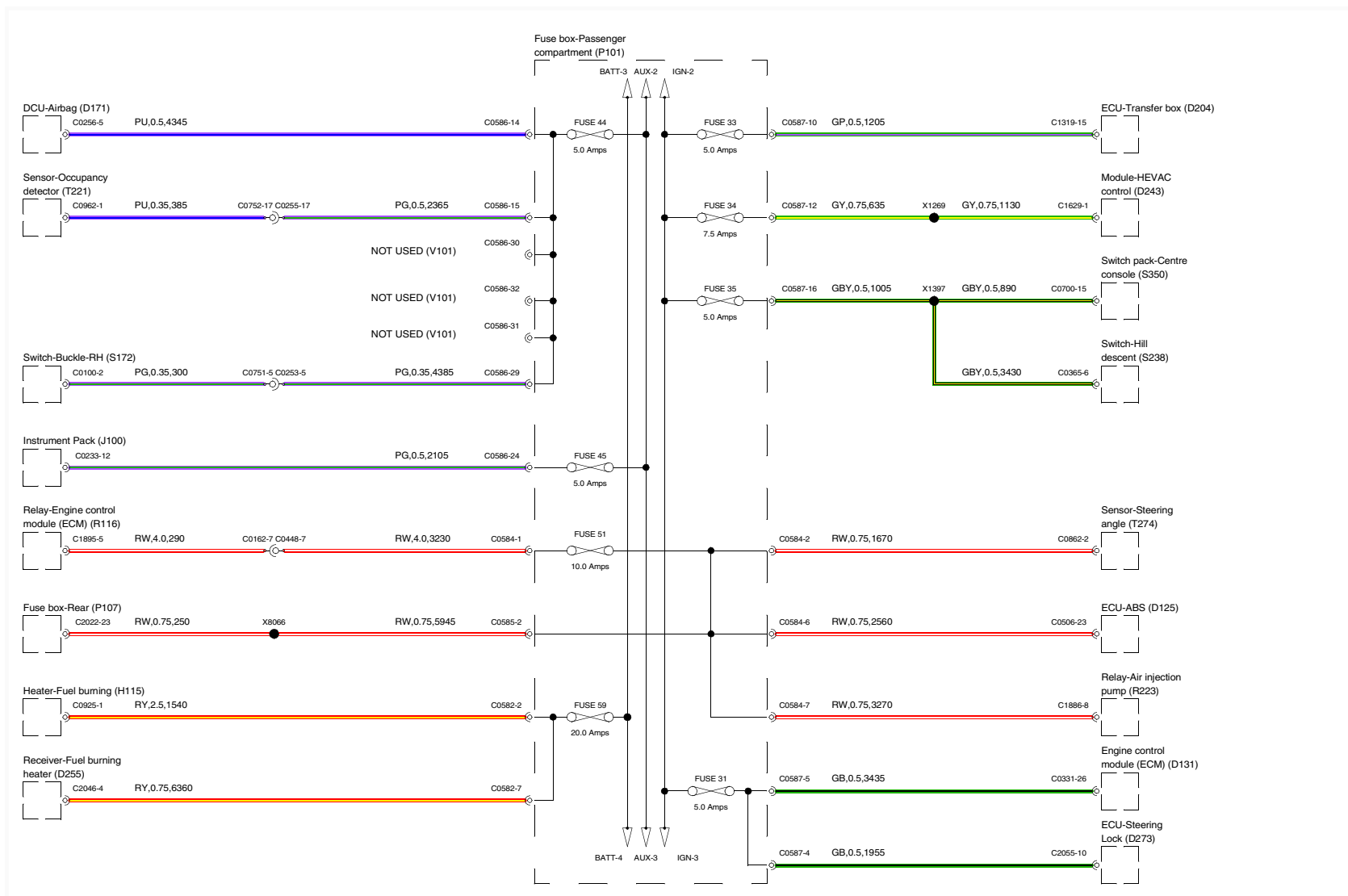


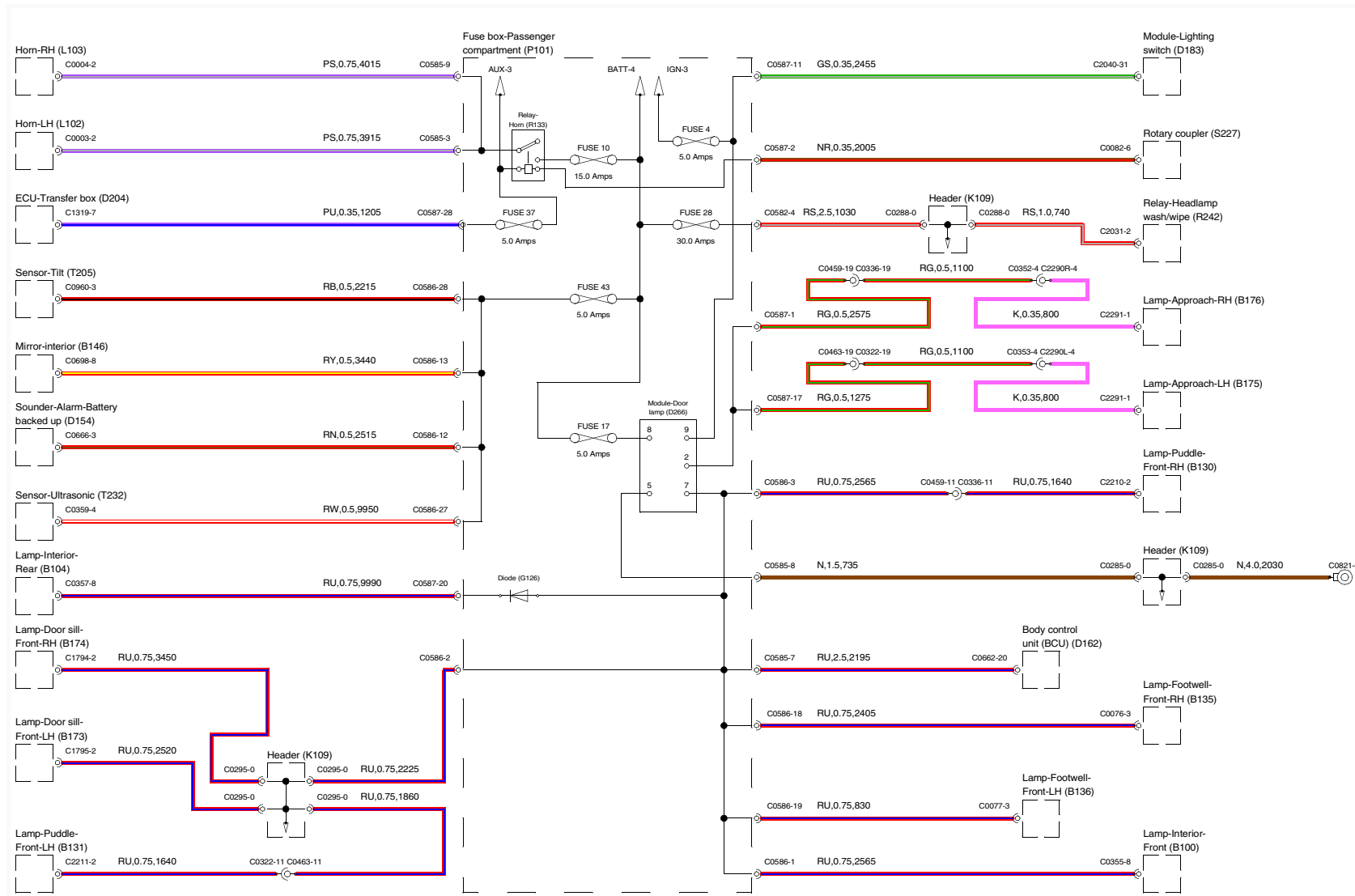
1 POWER DISTRIBUTION

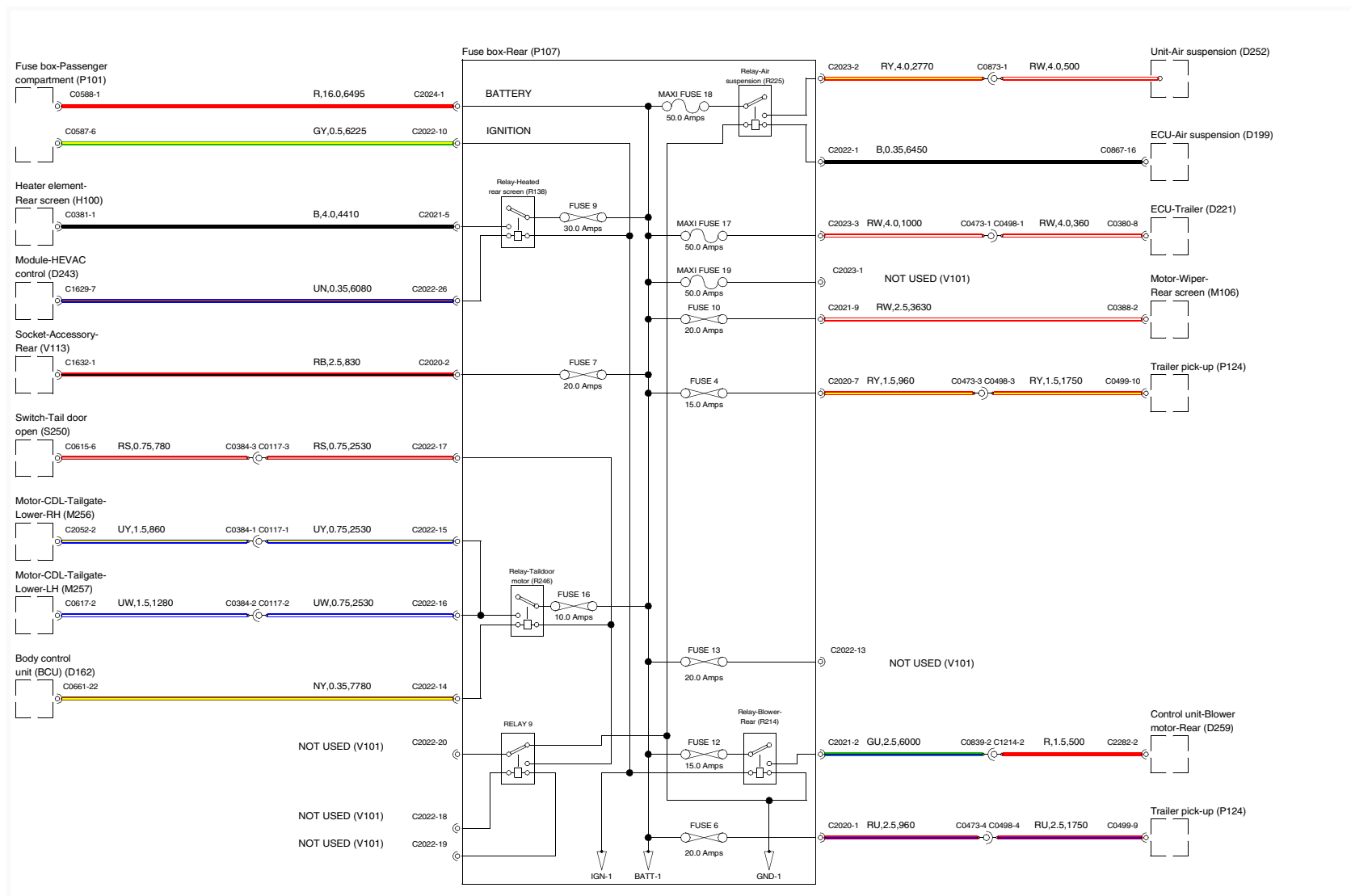
Passenger Compartment Fuse Box

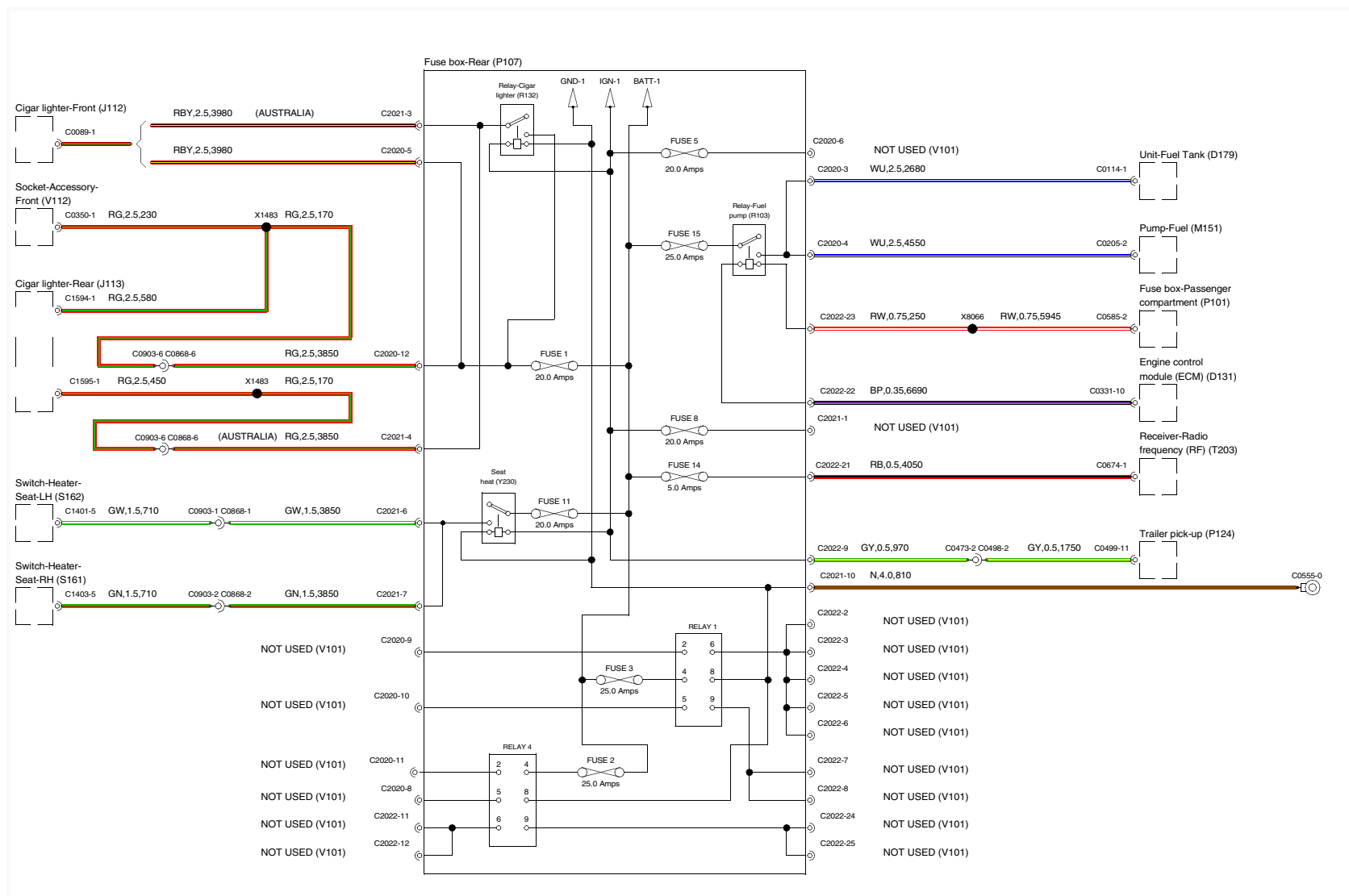




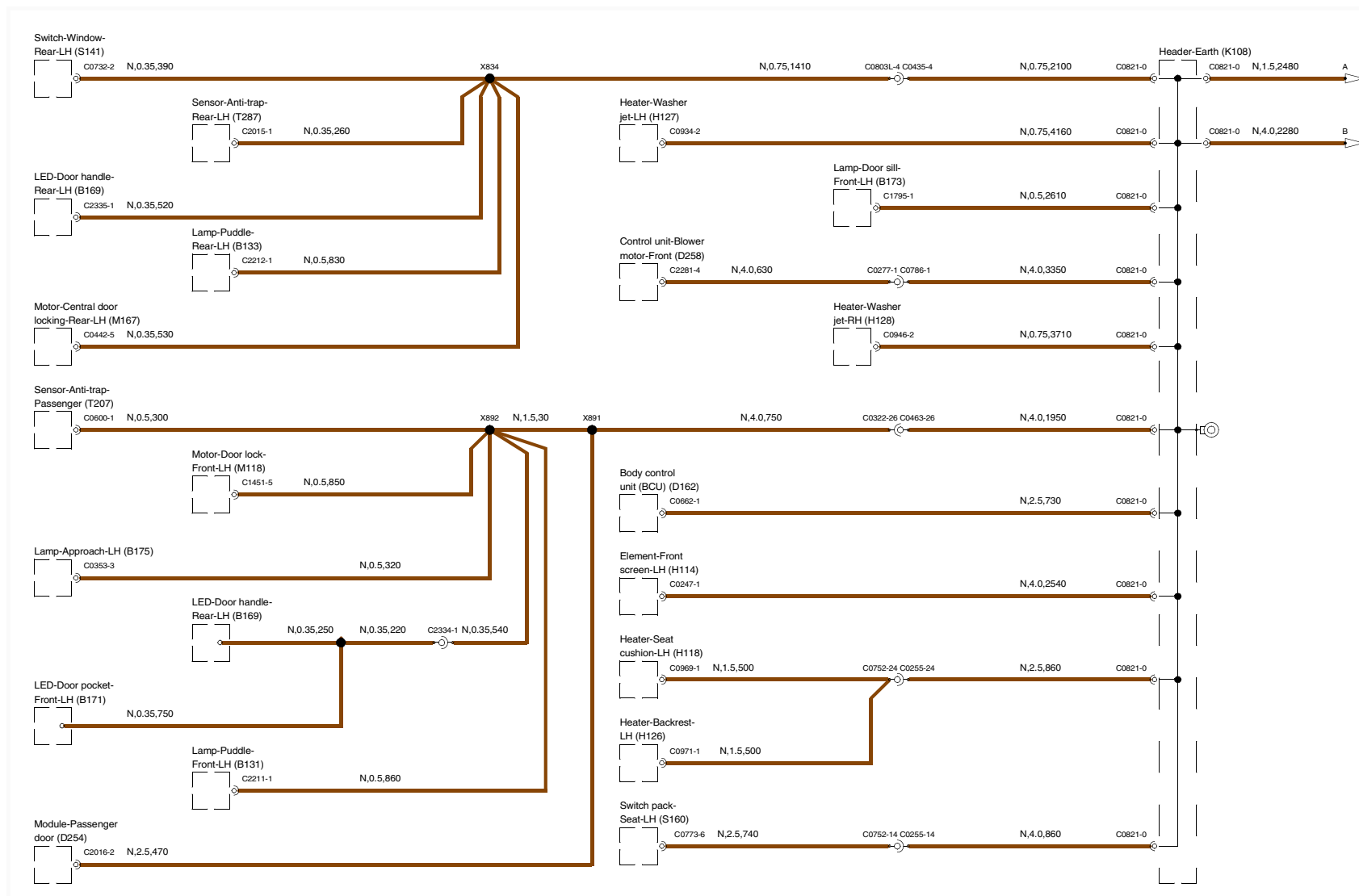


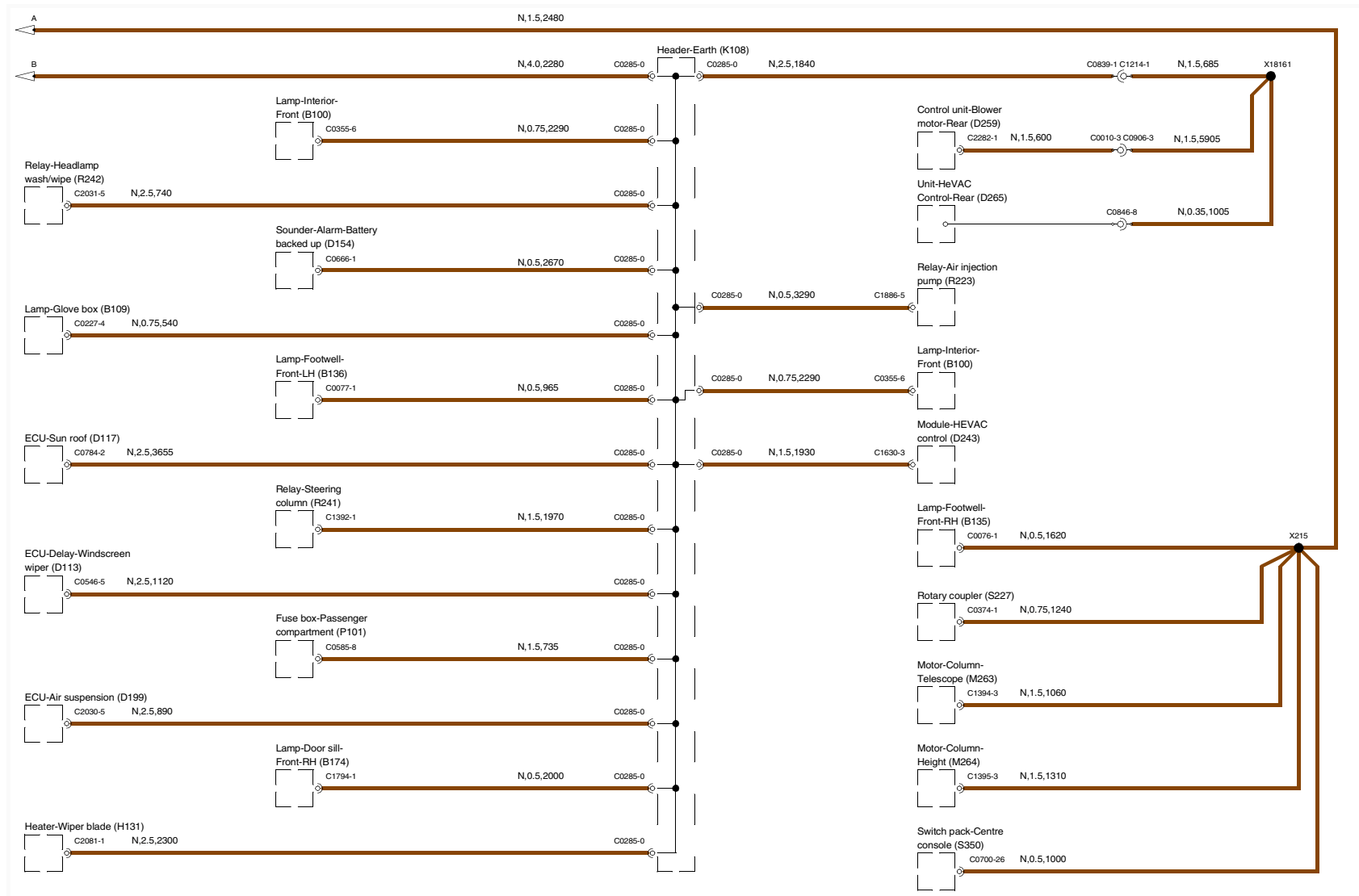




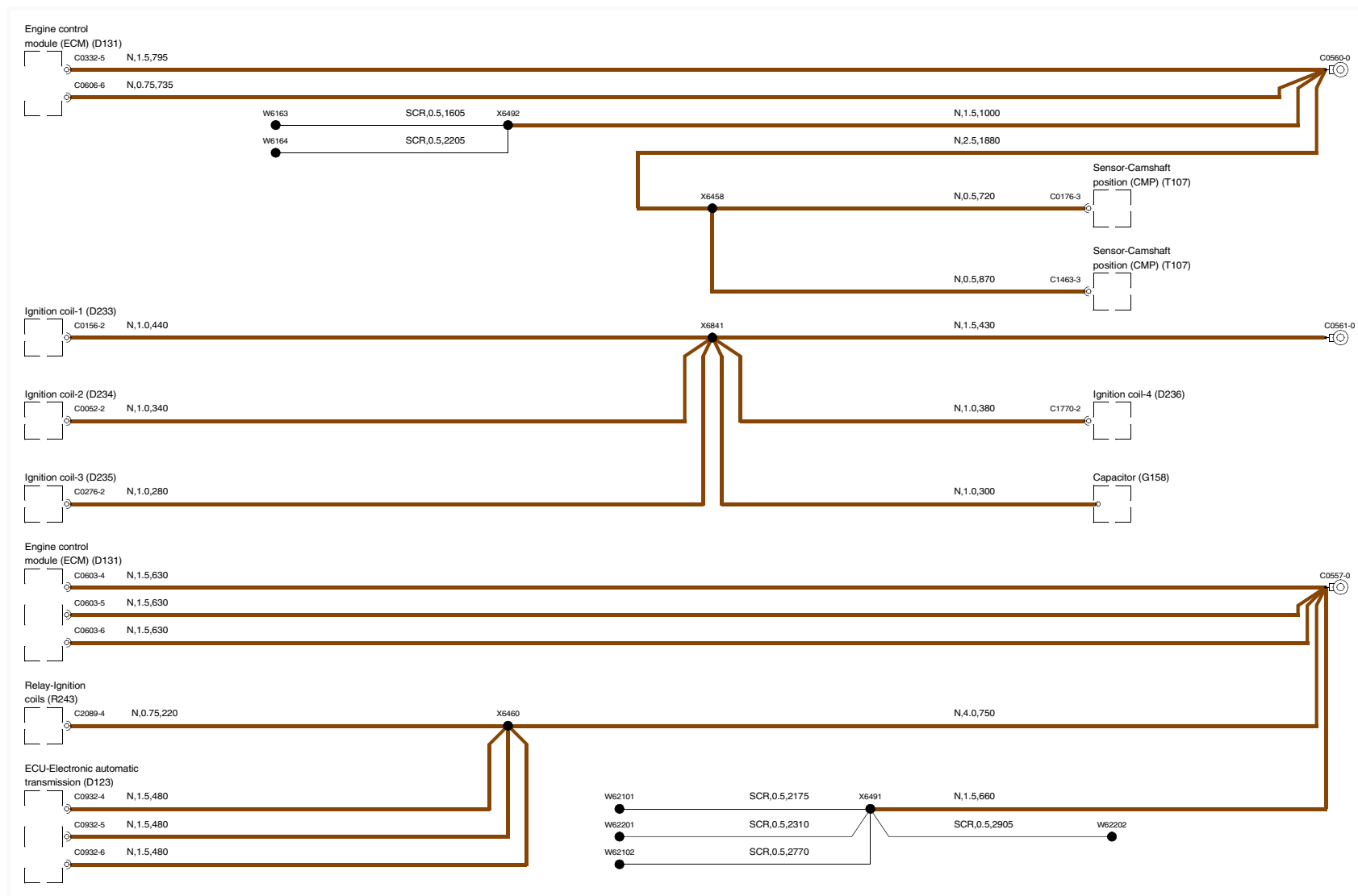


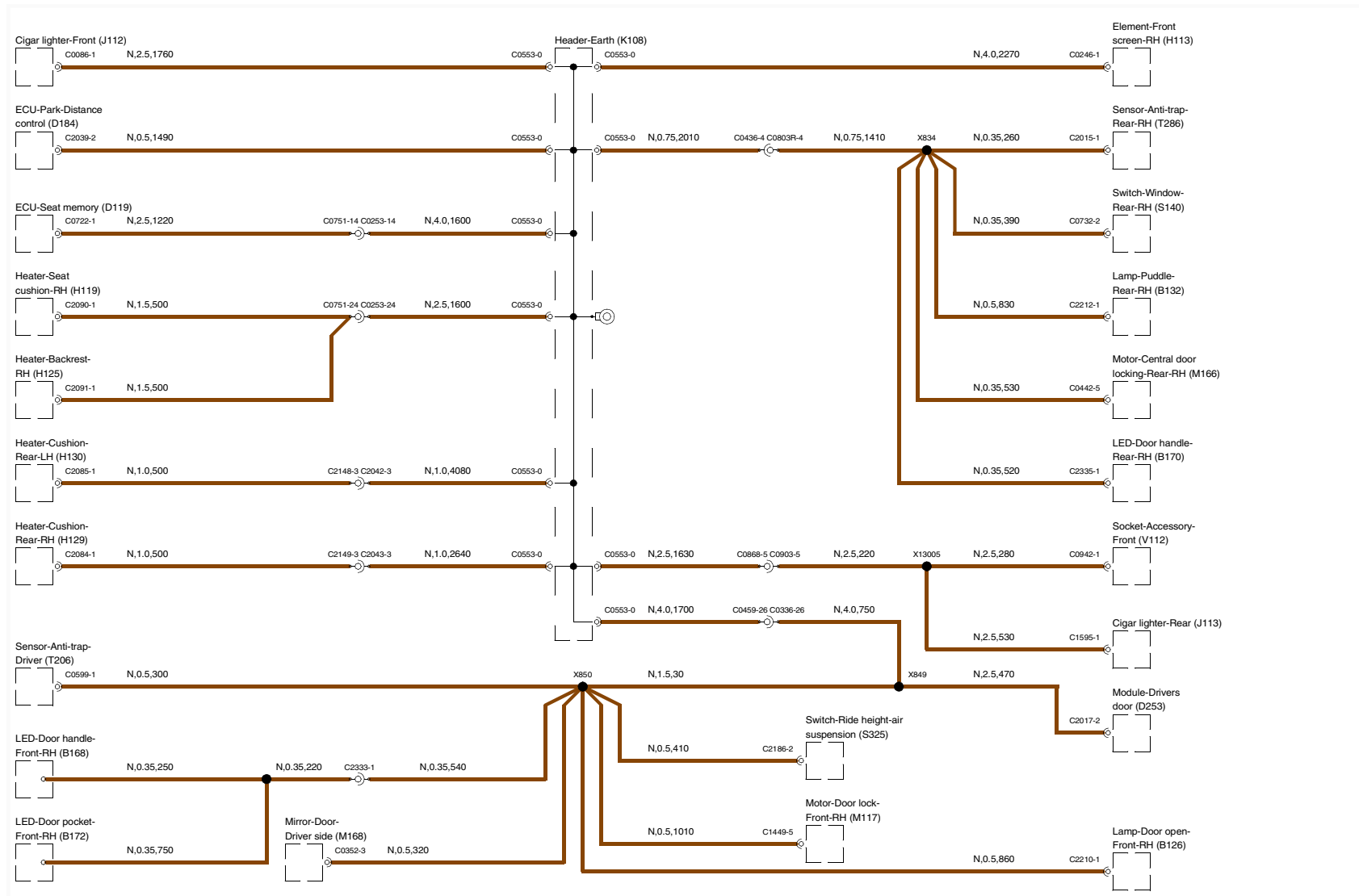
2 EARTH DISTRIBUTION



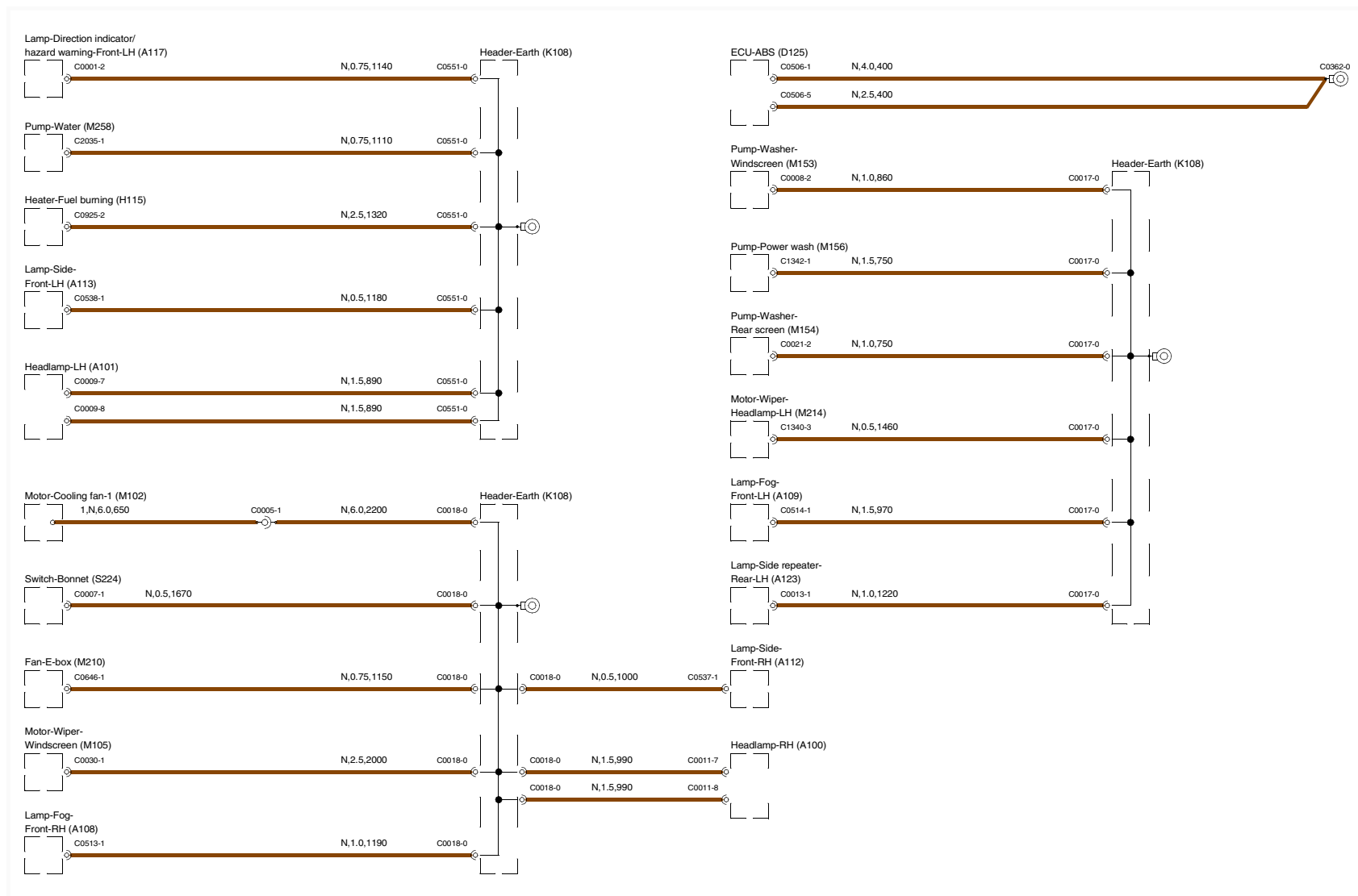


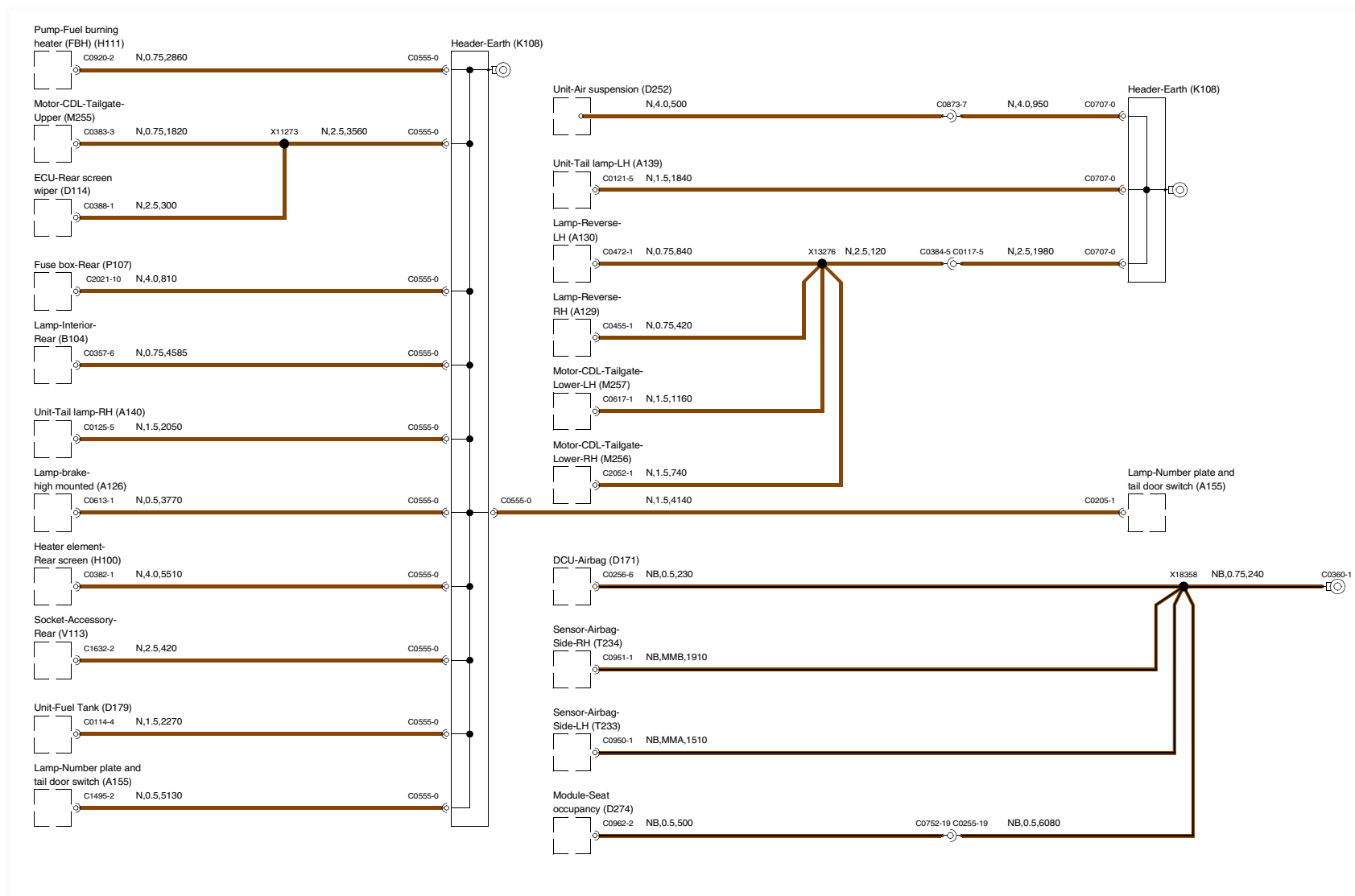
2 EARTH DISTRIBUTION



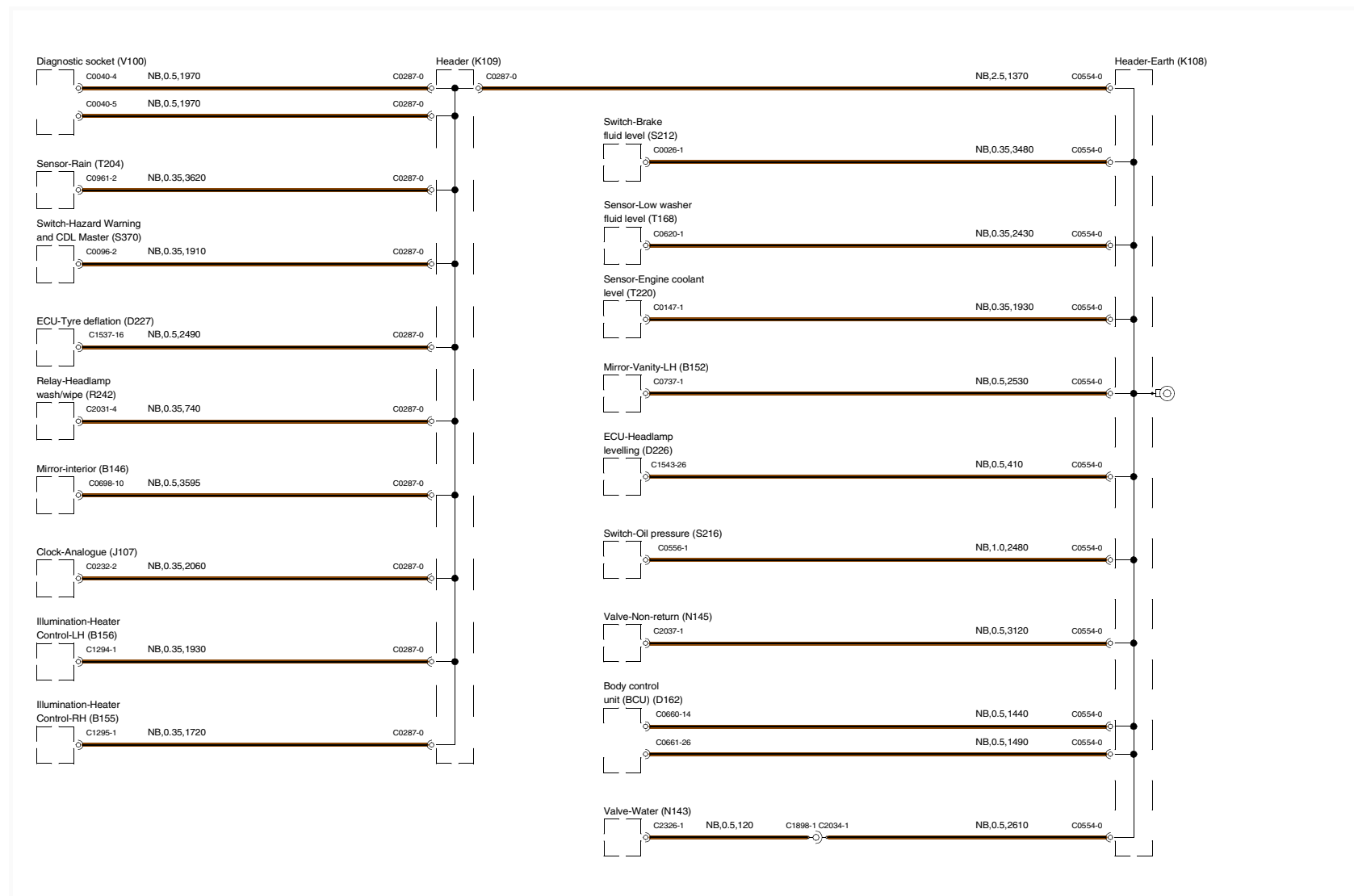


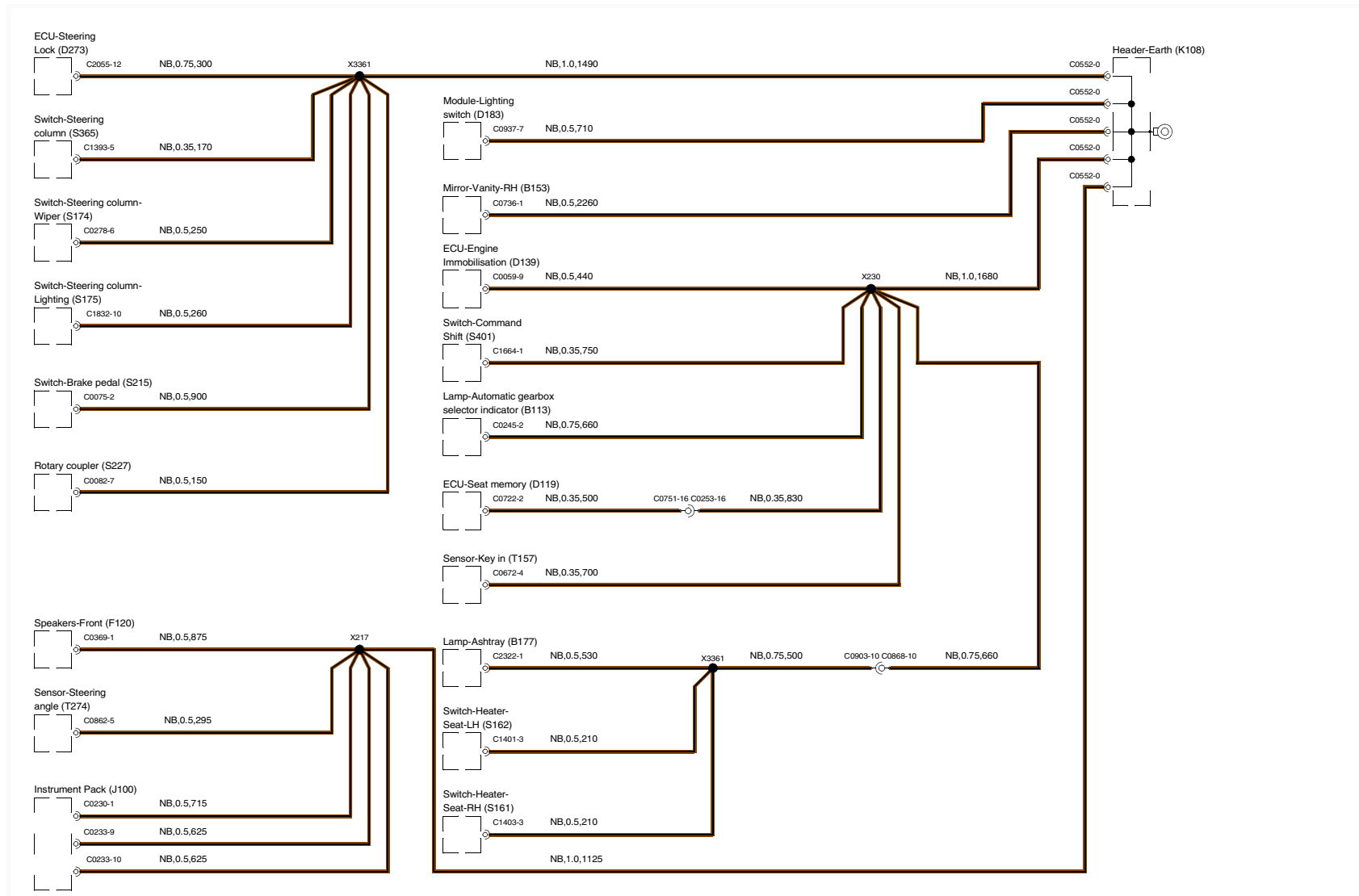
2 EARTH DISTRIBUTION



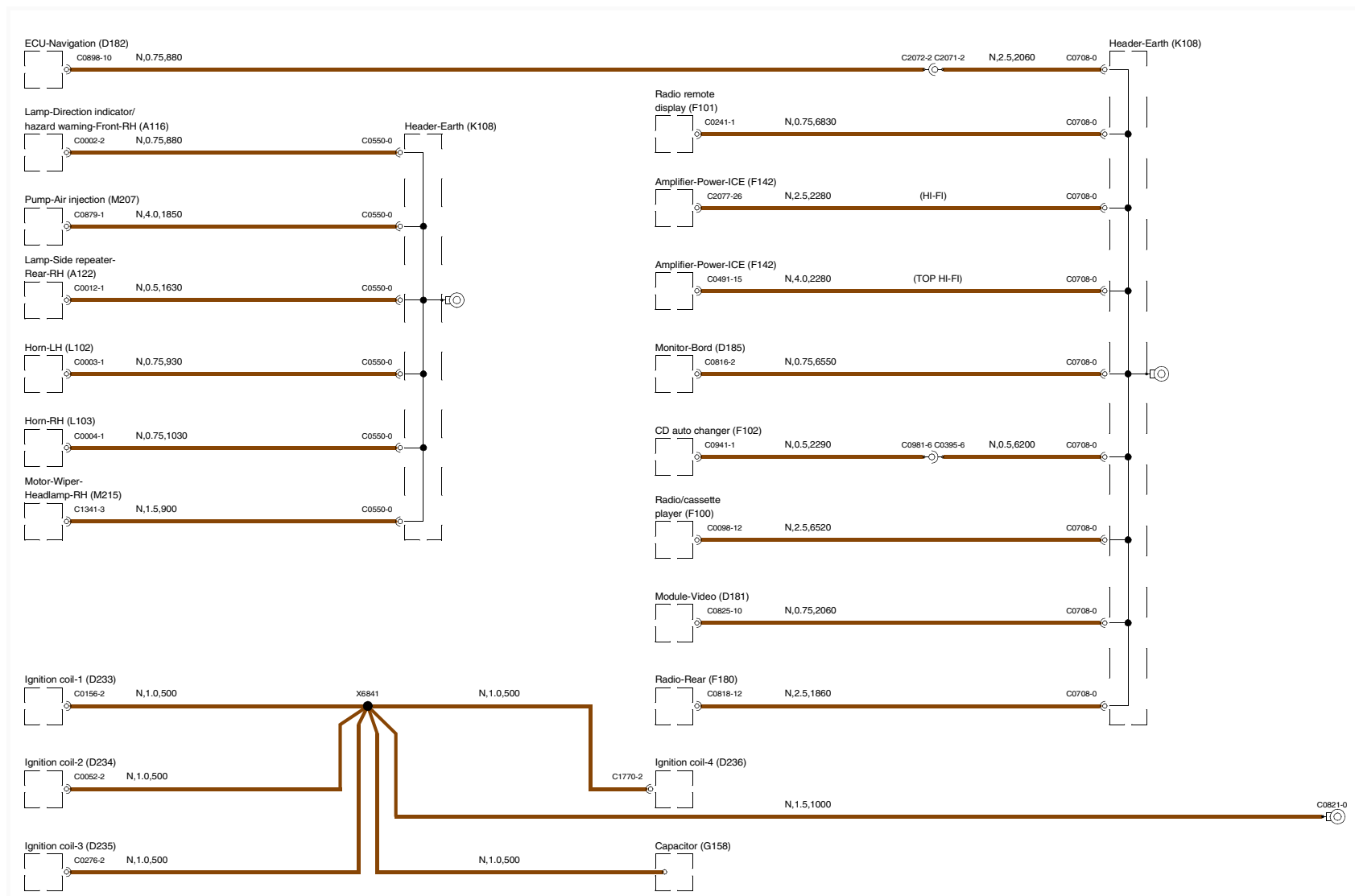


2 EARTH DISTRIBUTION

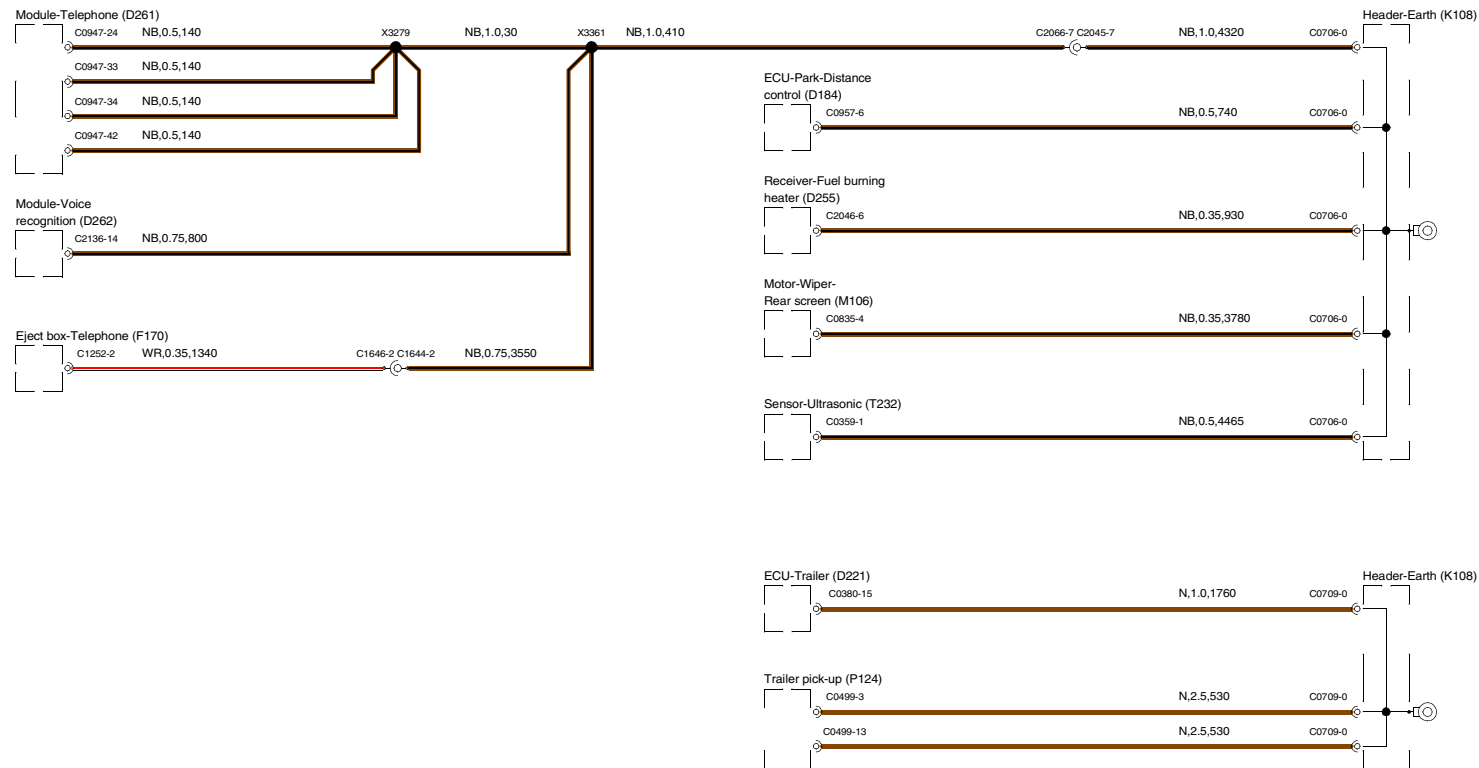




2 EARTH DISTRIBUTION



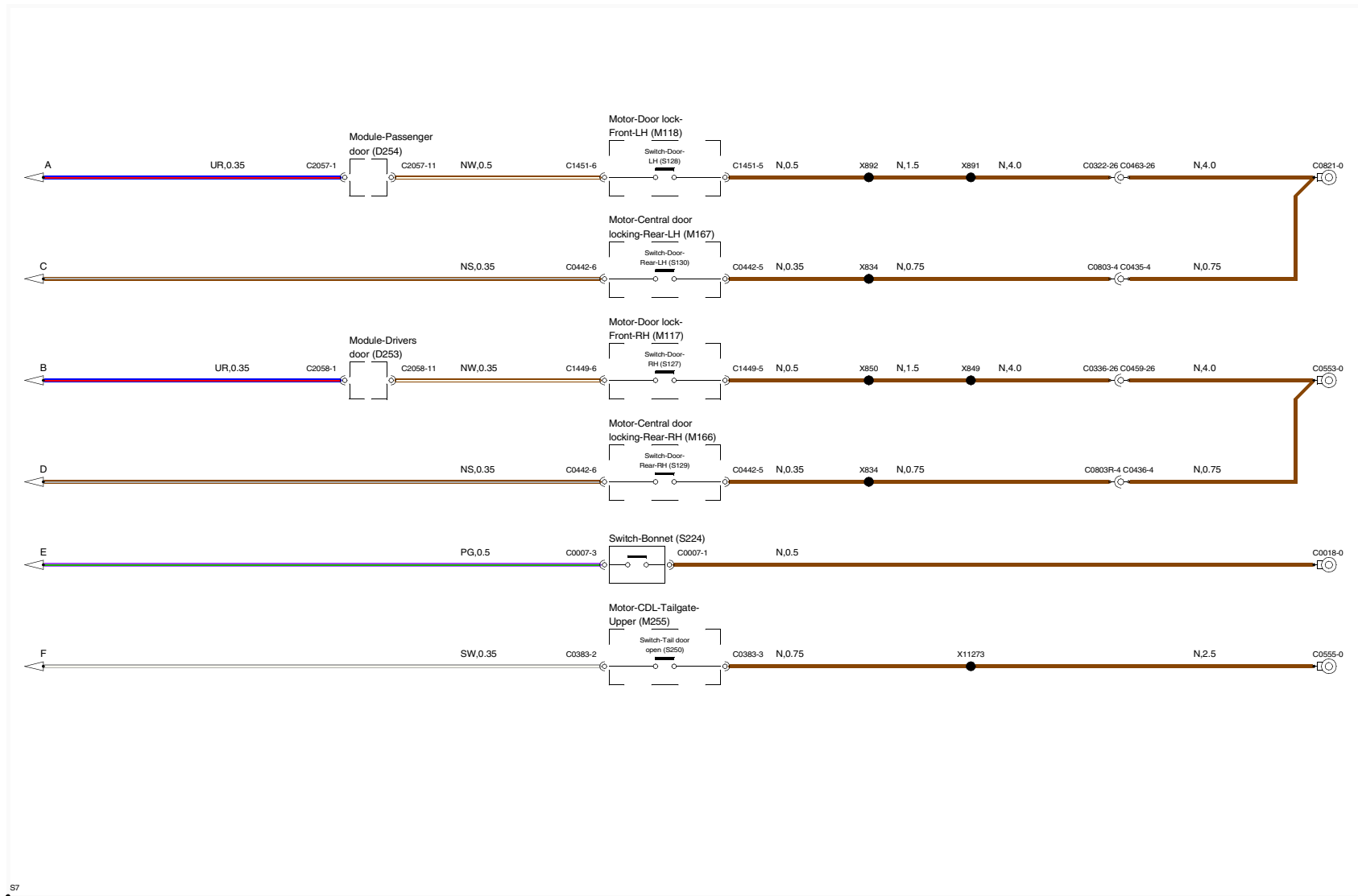
2 EARTH DISTRIBUTION

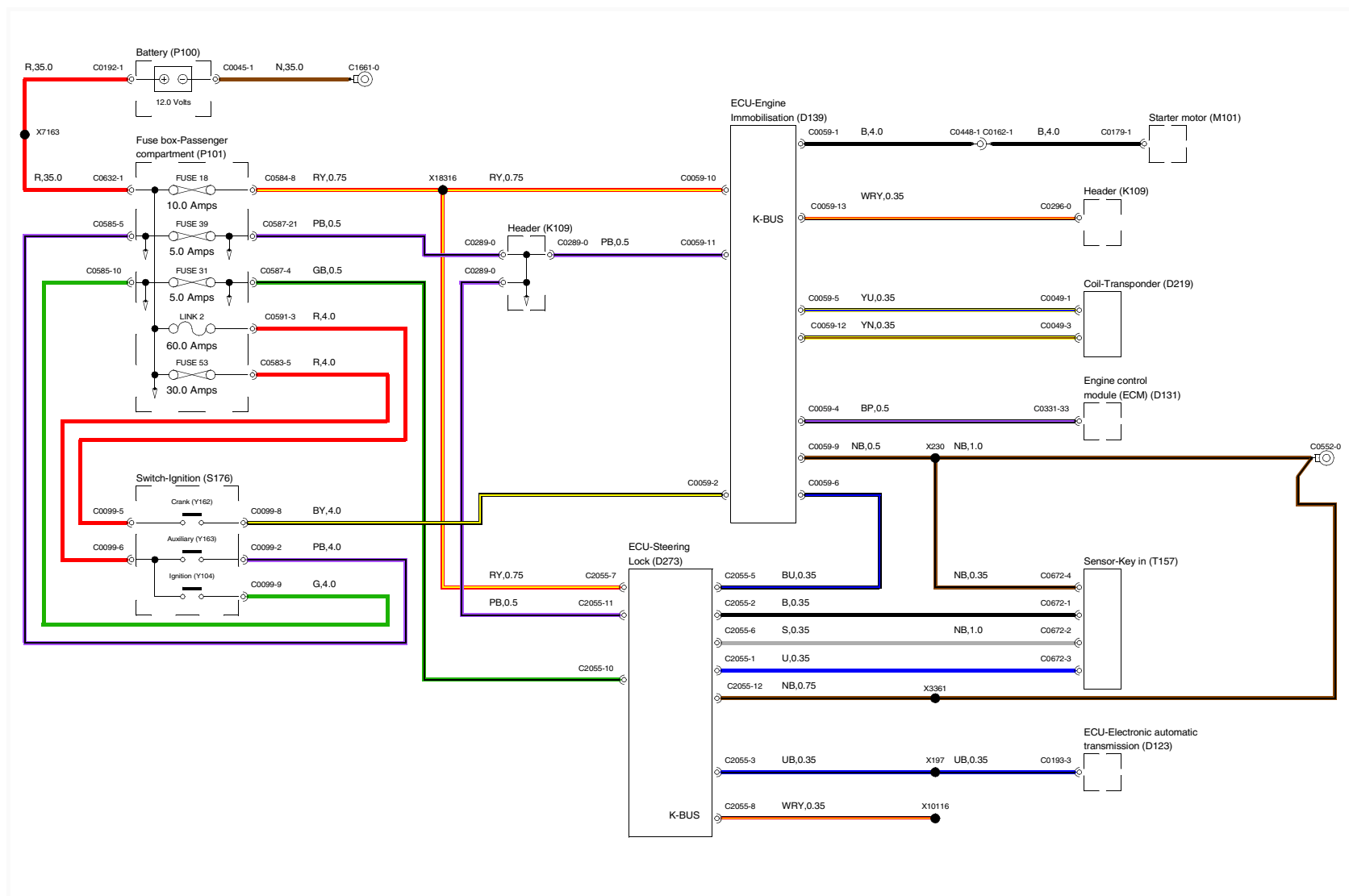


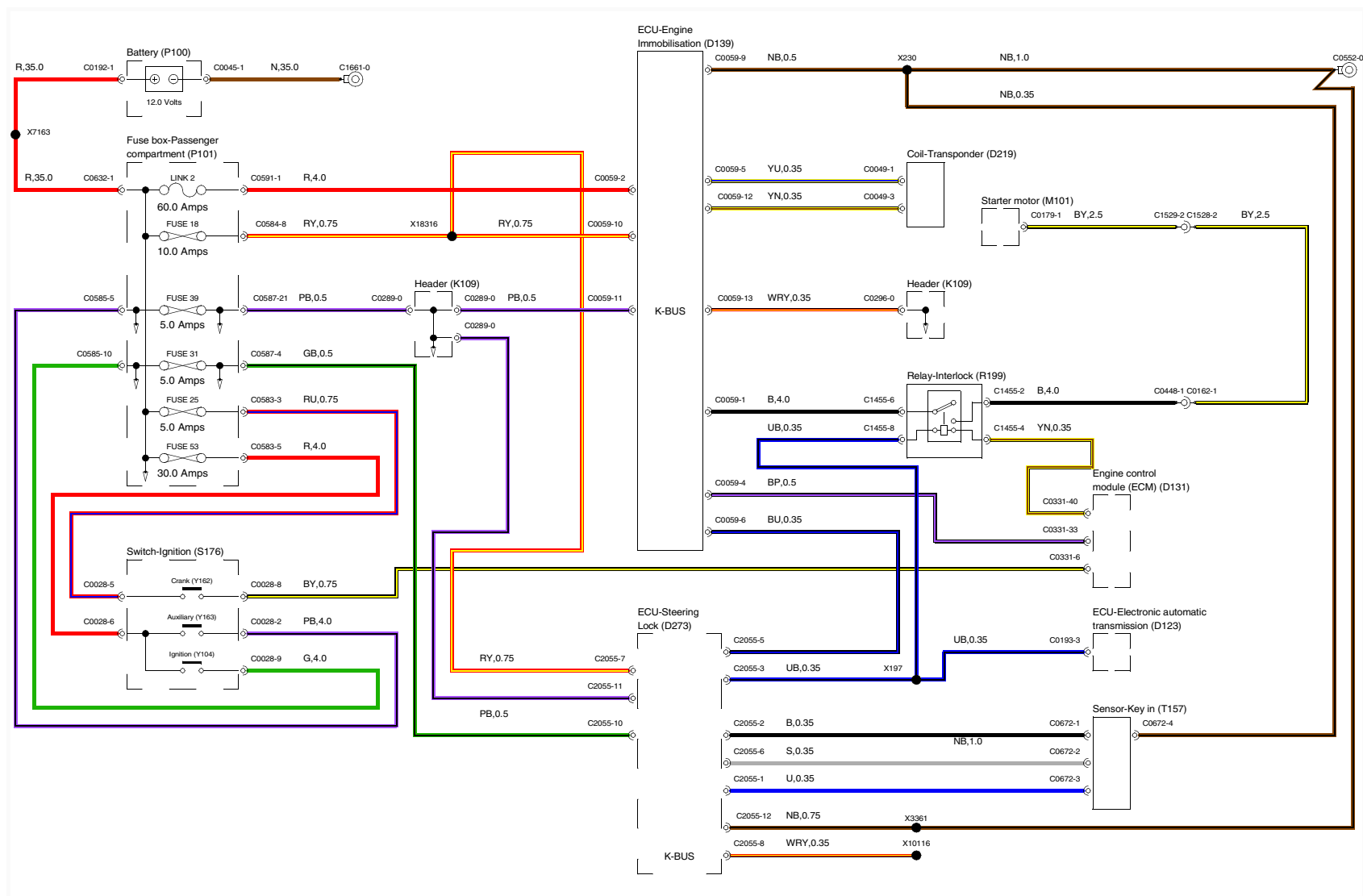
דפוס דפוס / תחילת



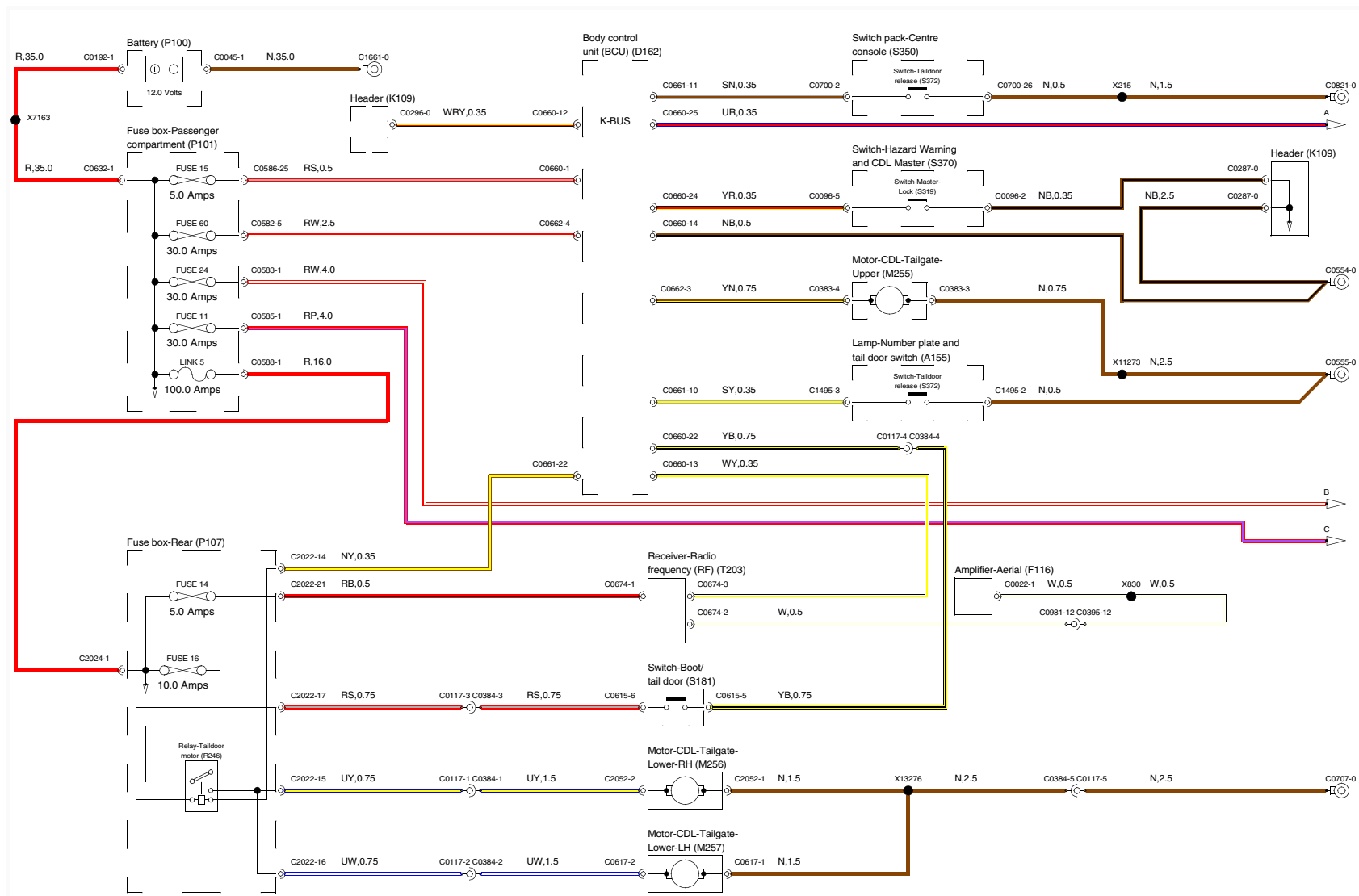
3 ANTI-THEFT ALARM



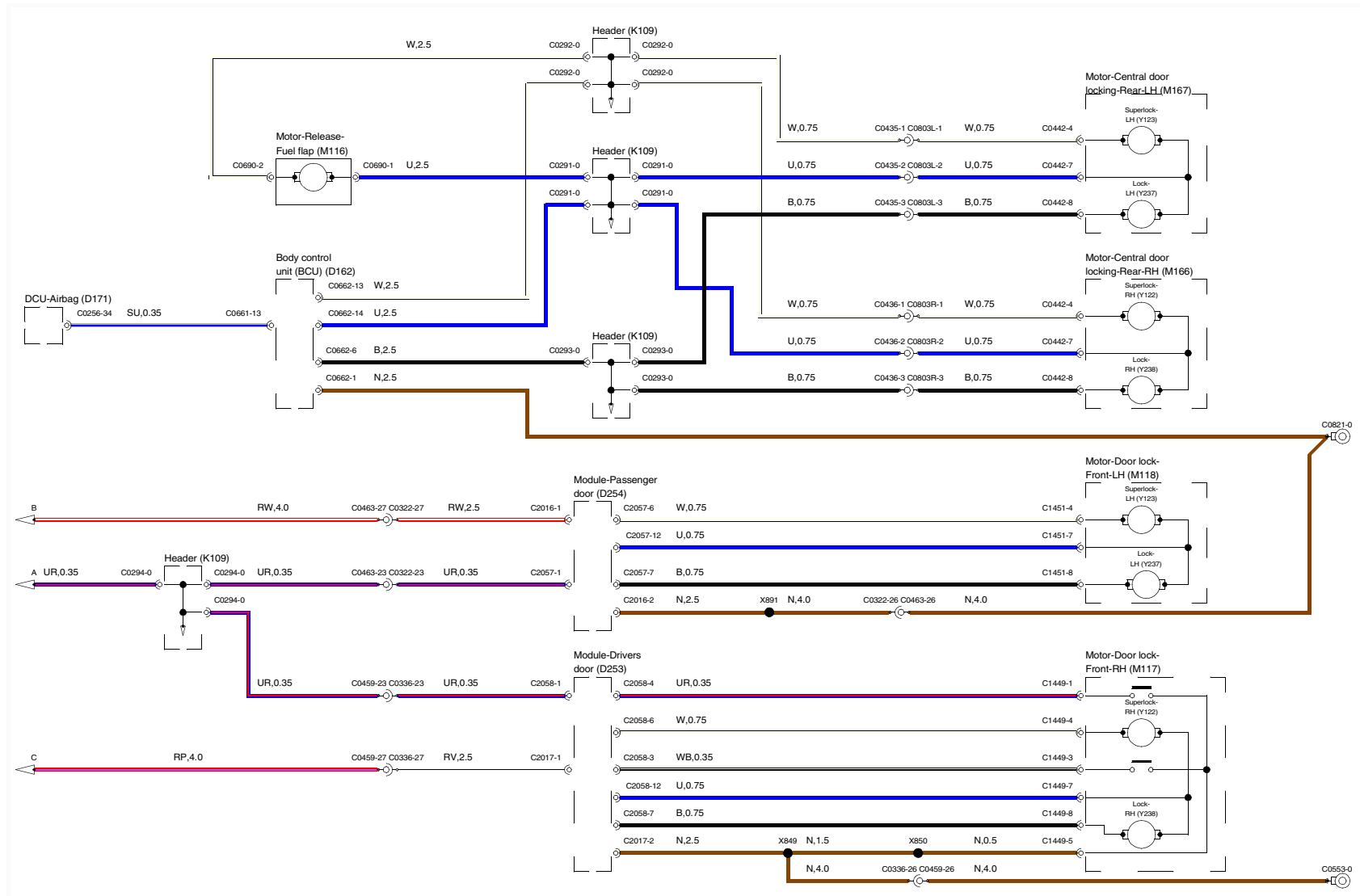


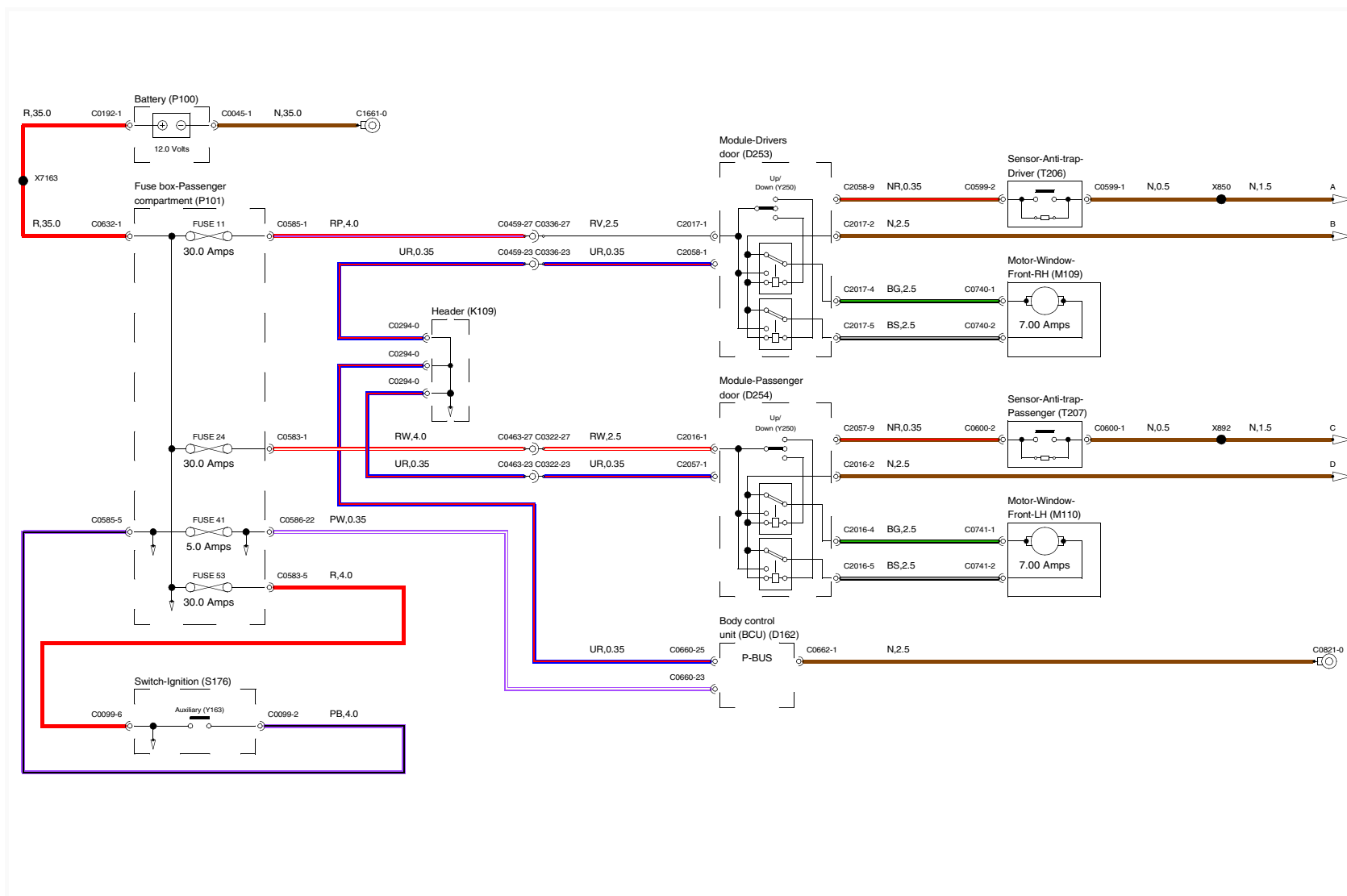


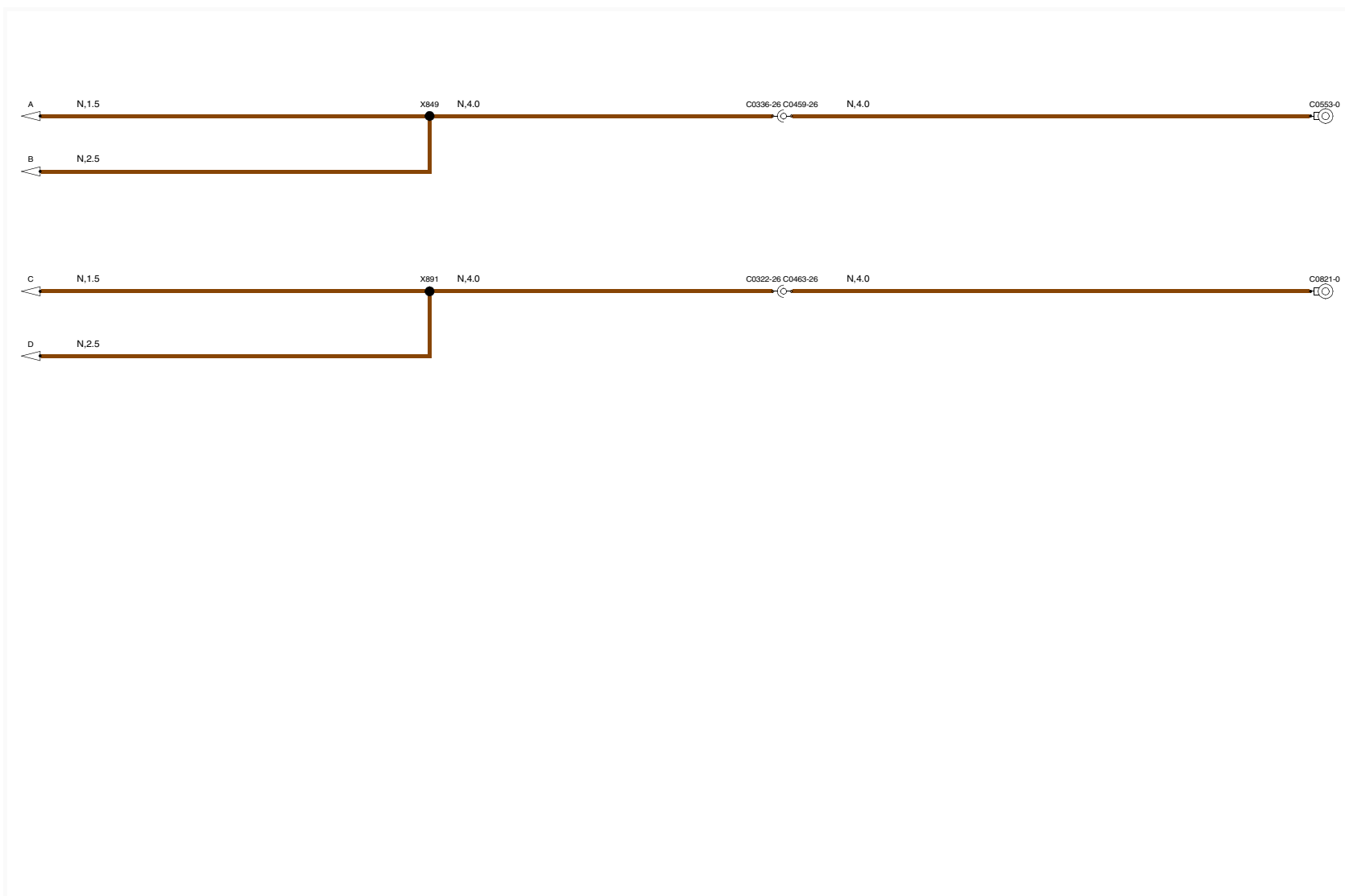
4 CENTRAL DOOR LOCKING

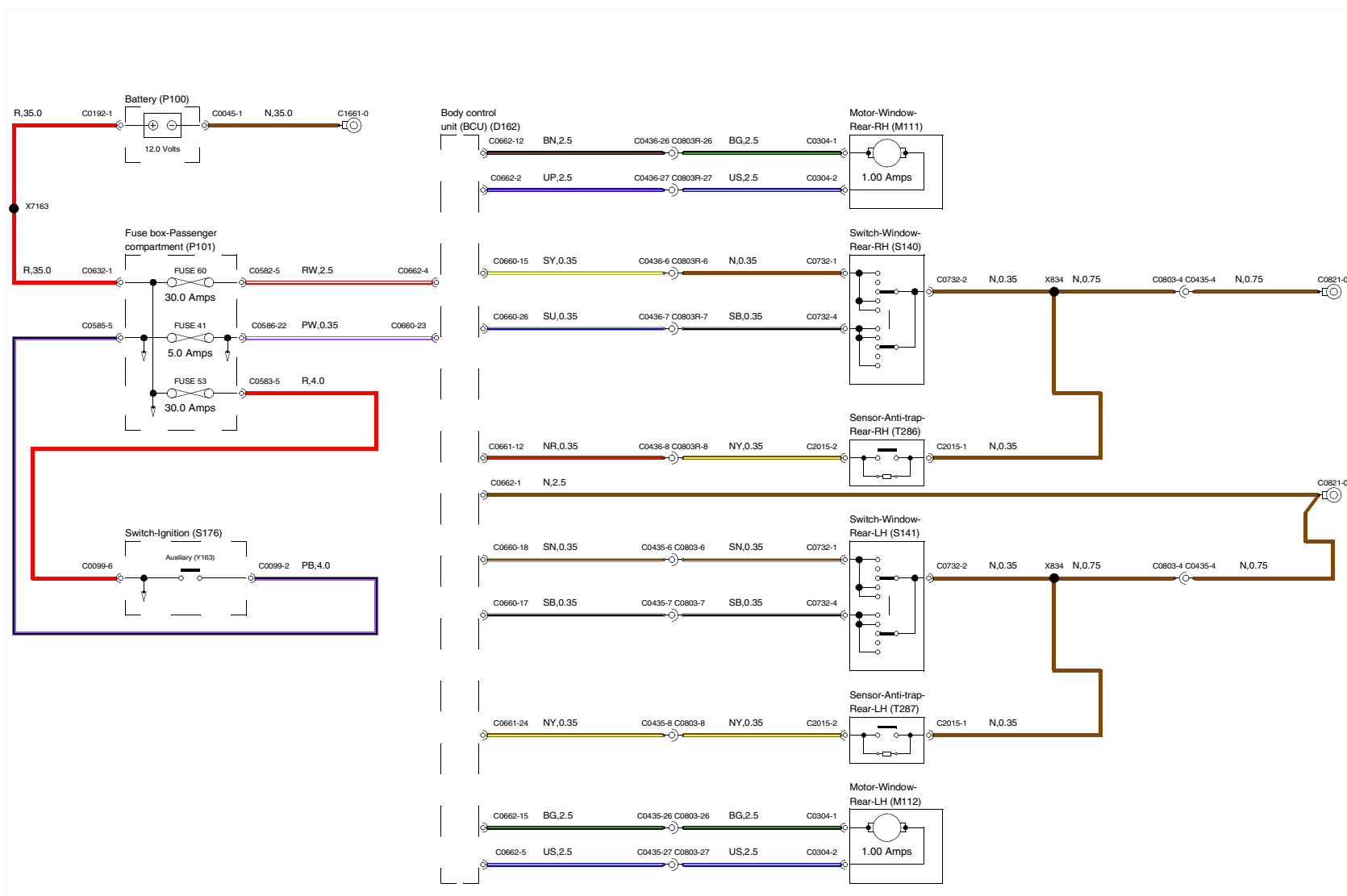


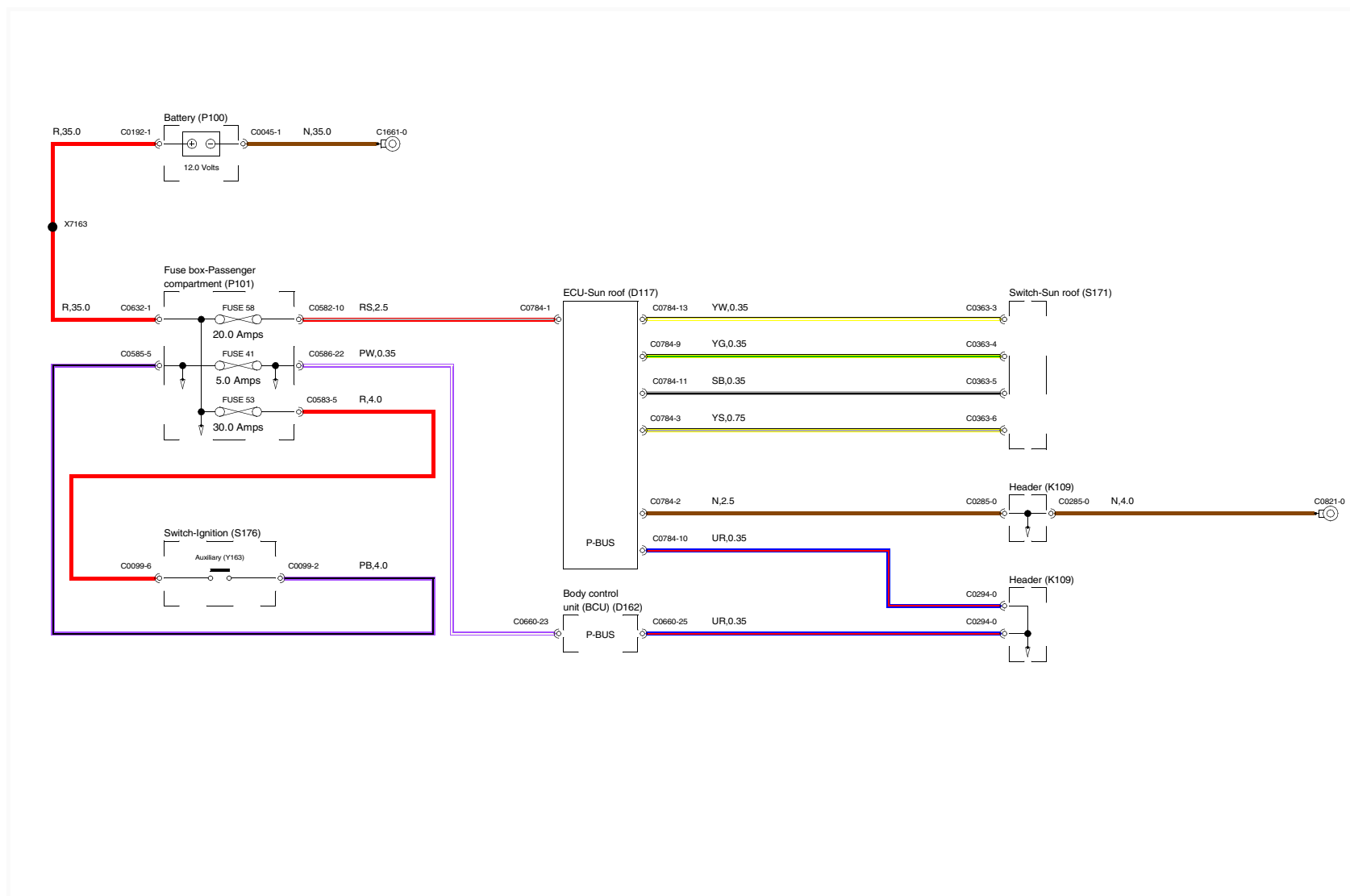
4 CENTRAL DOOR LOCKING



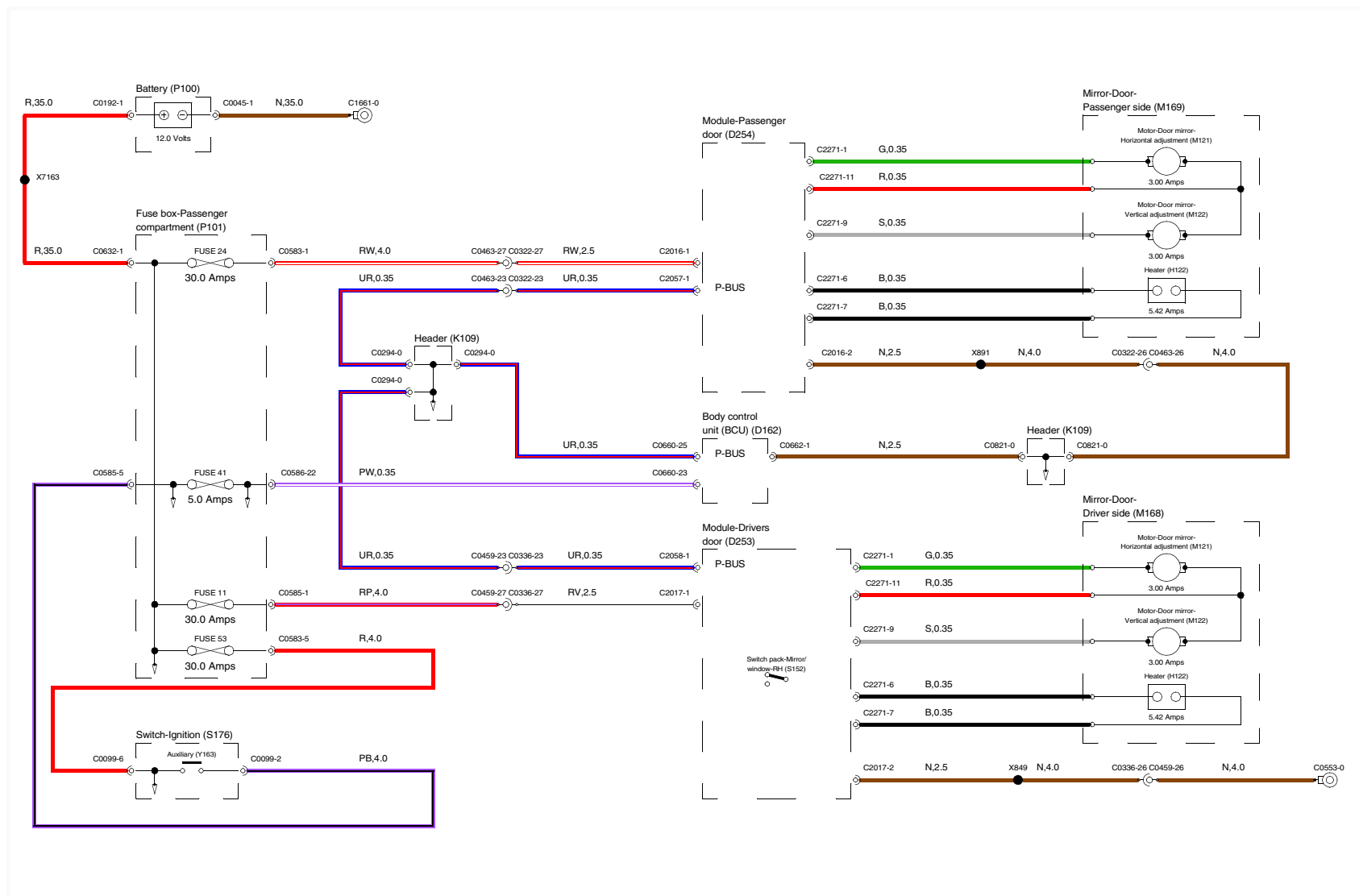


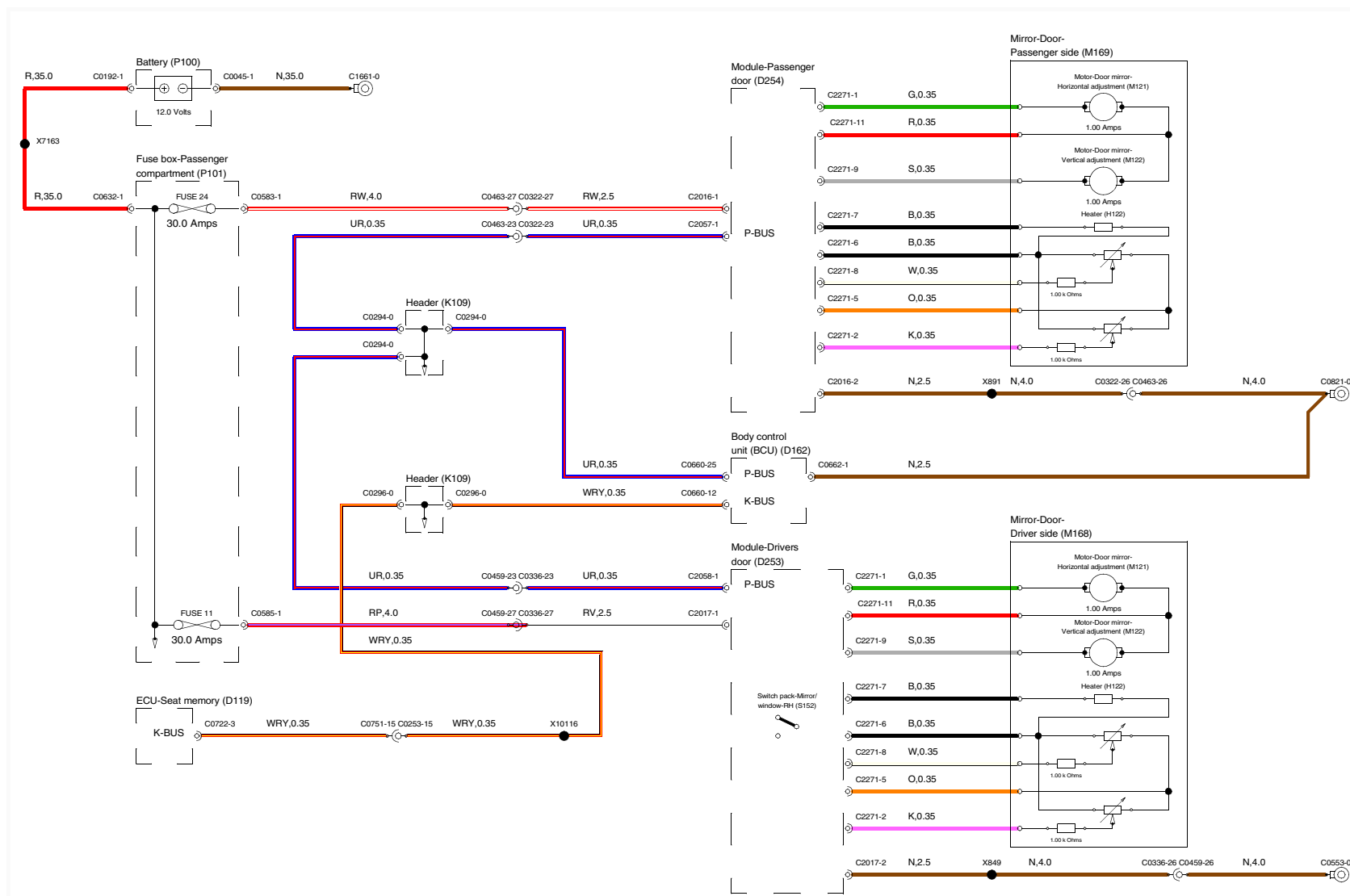


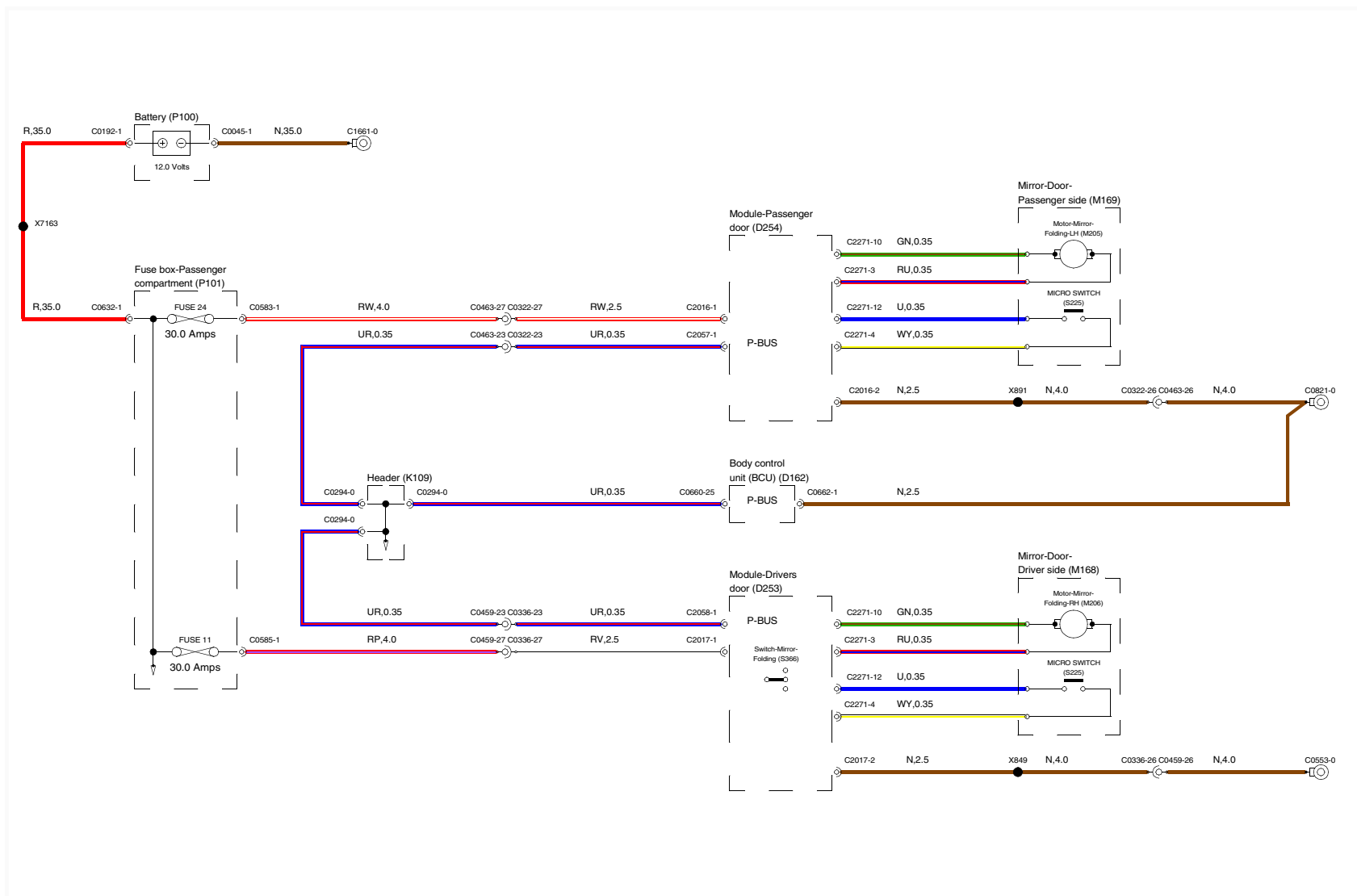




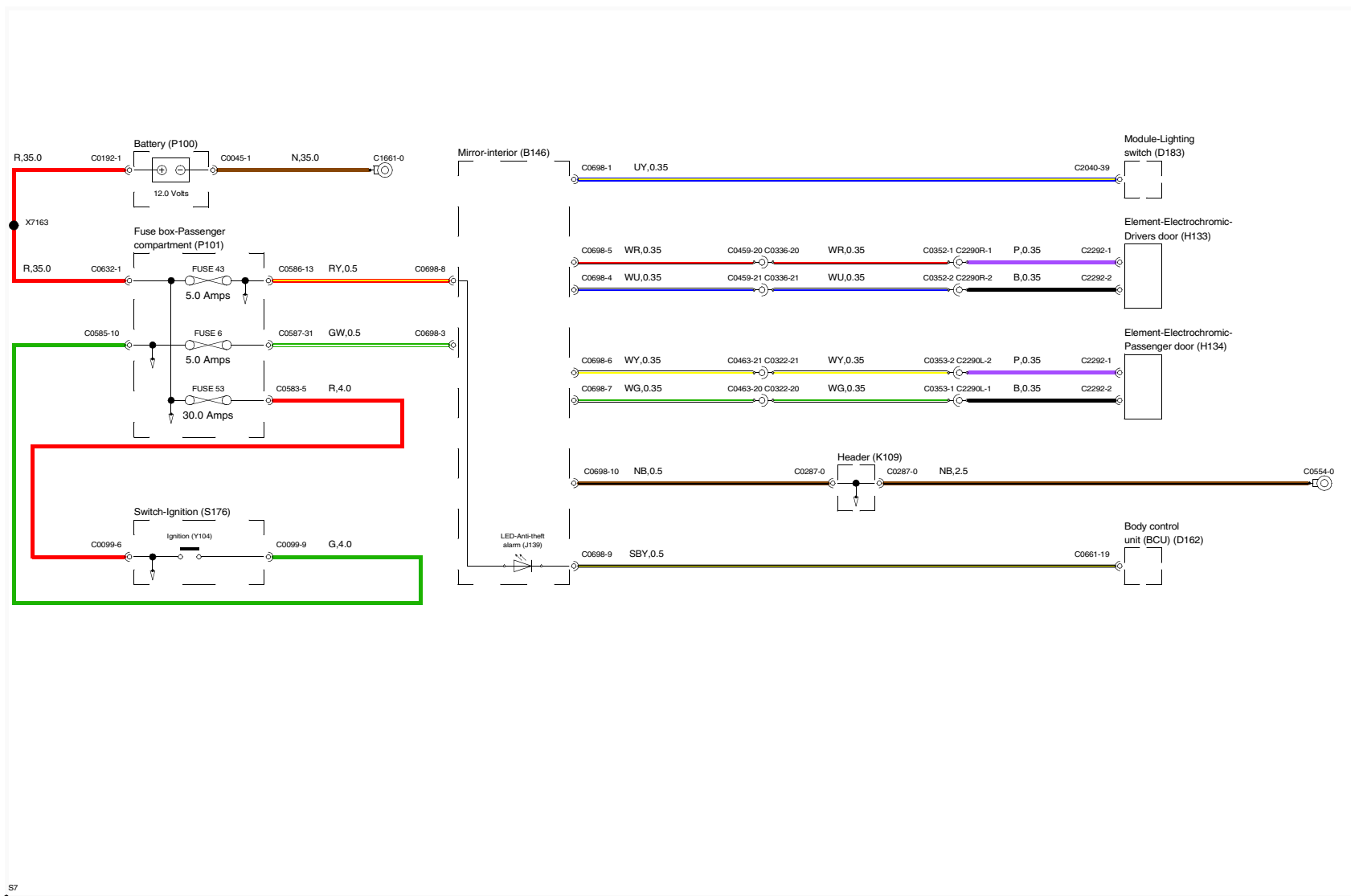
7 DOOR MIRRORS

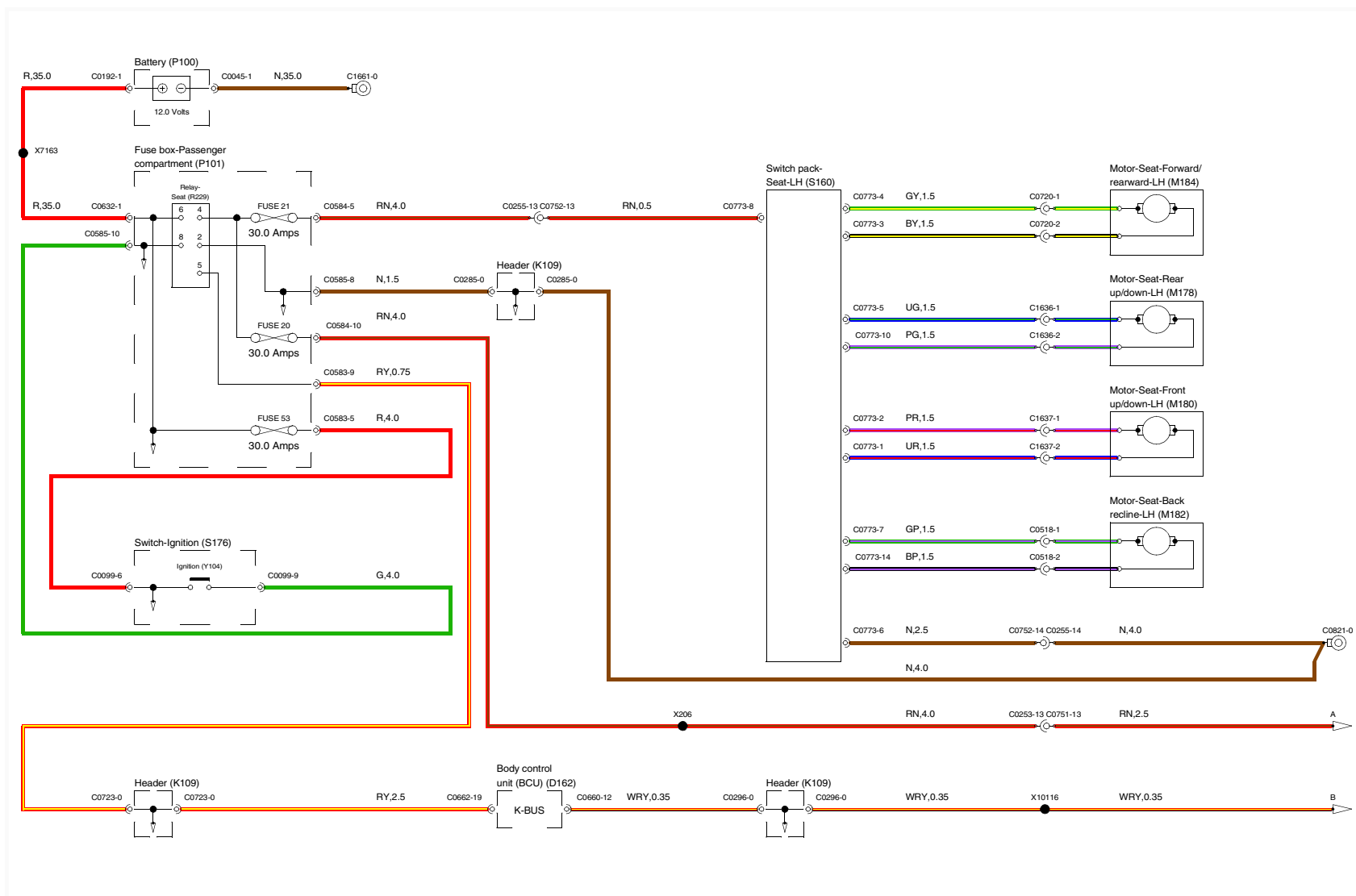




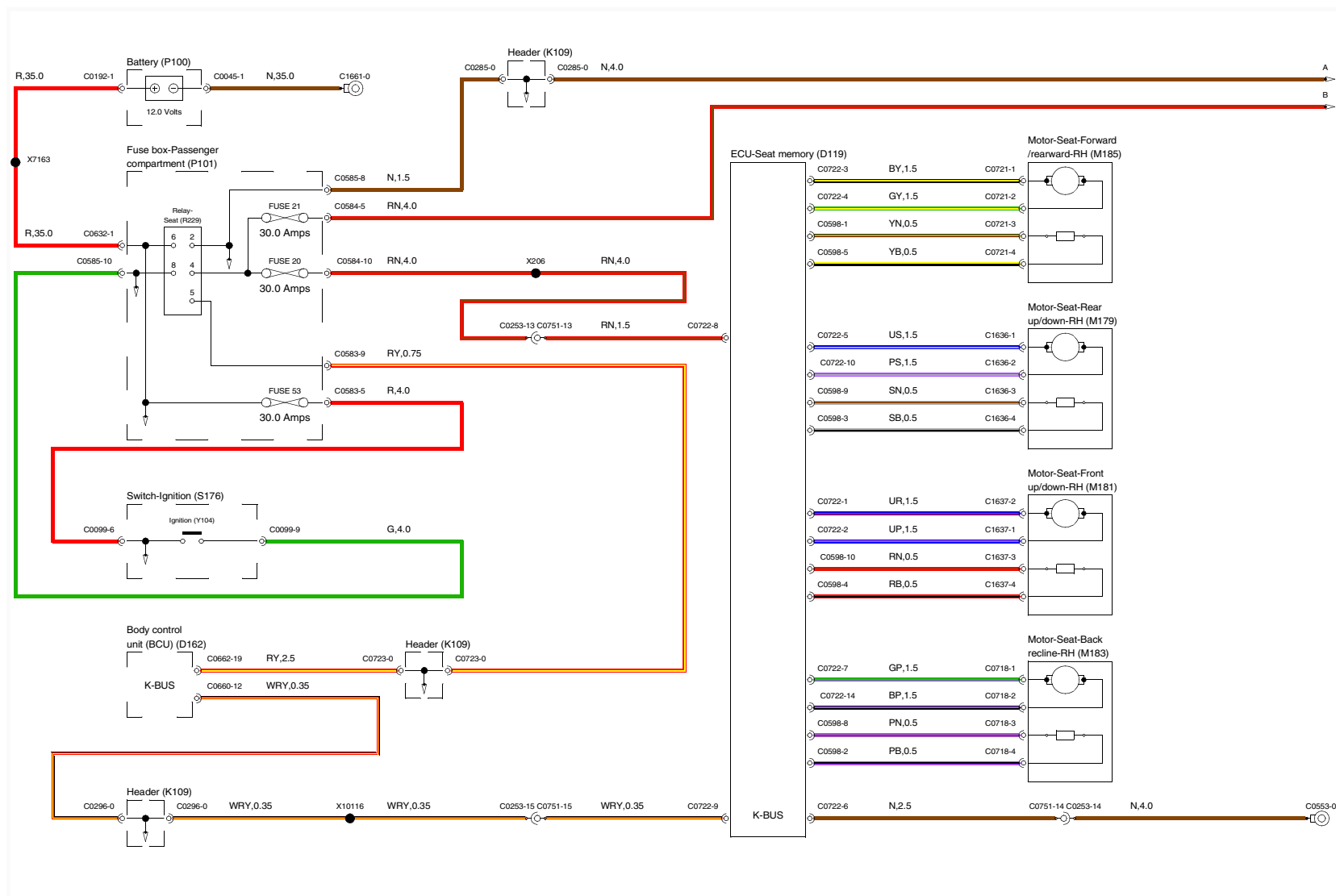


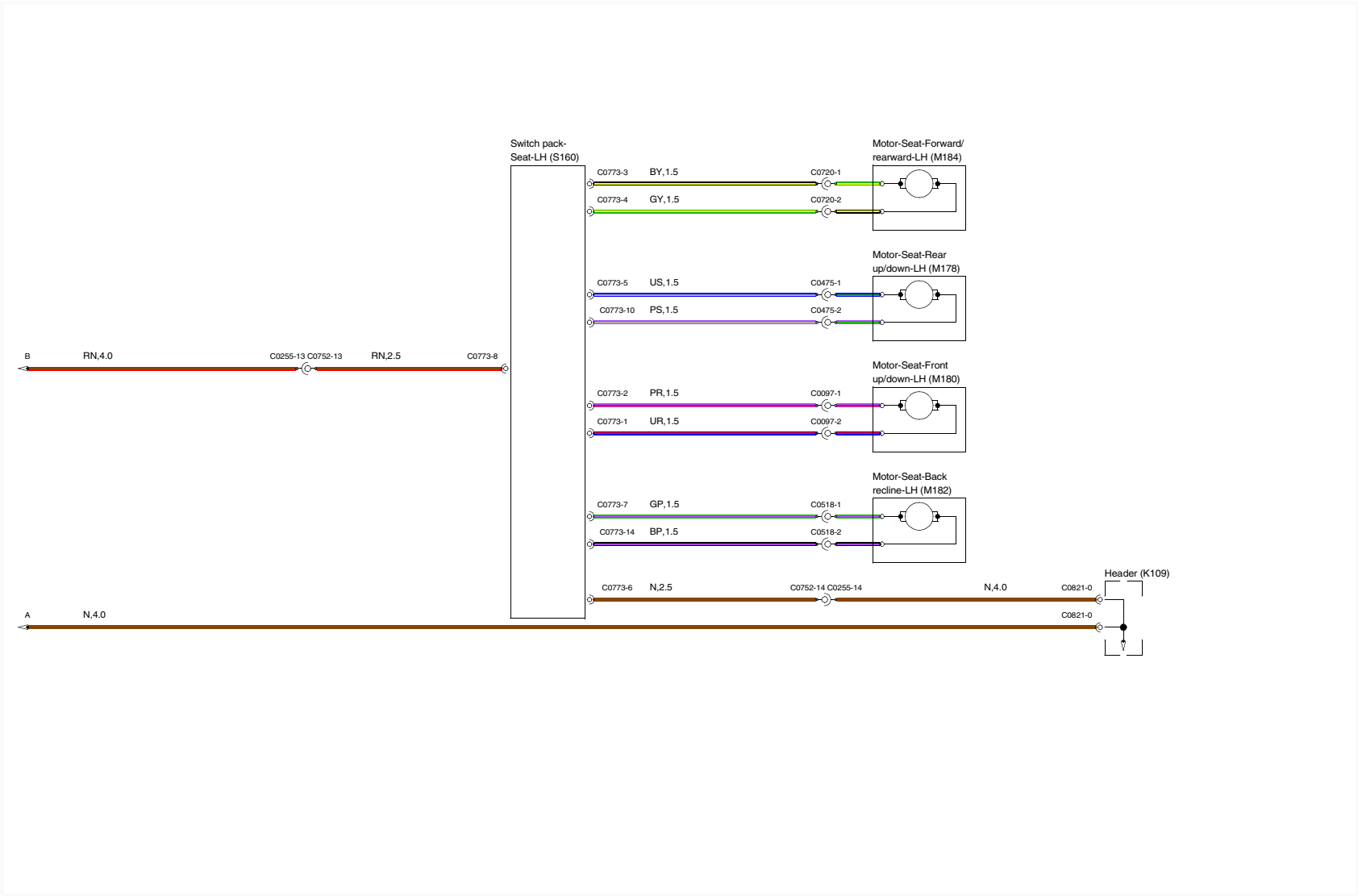
7 INTERIOR MIRROR

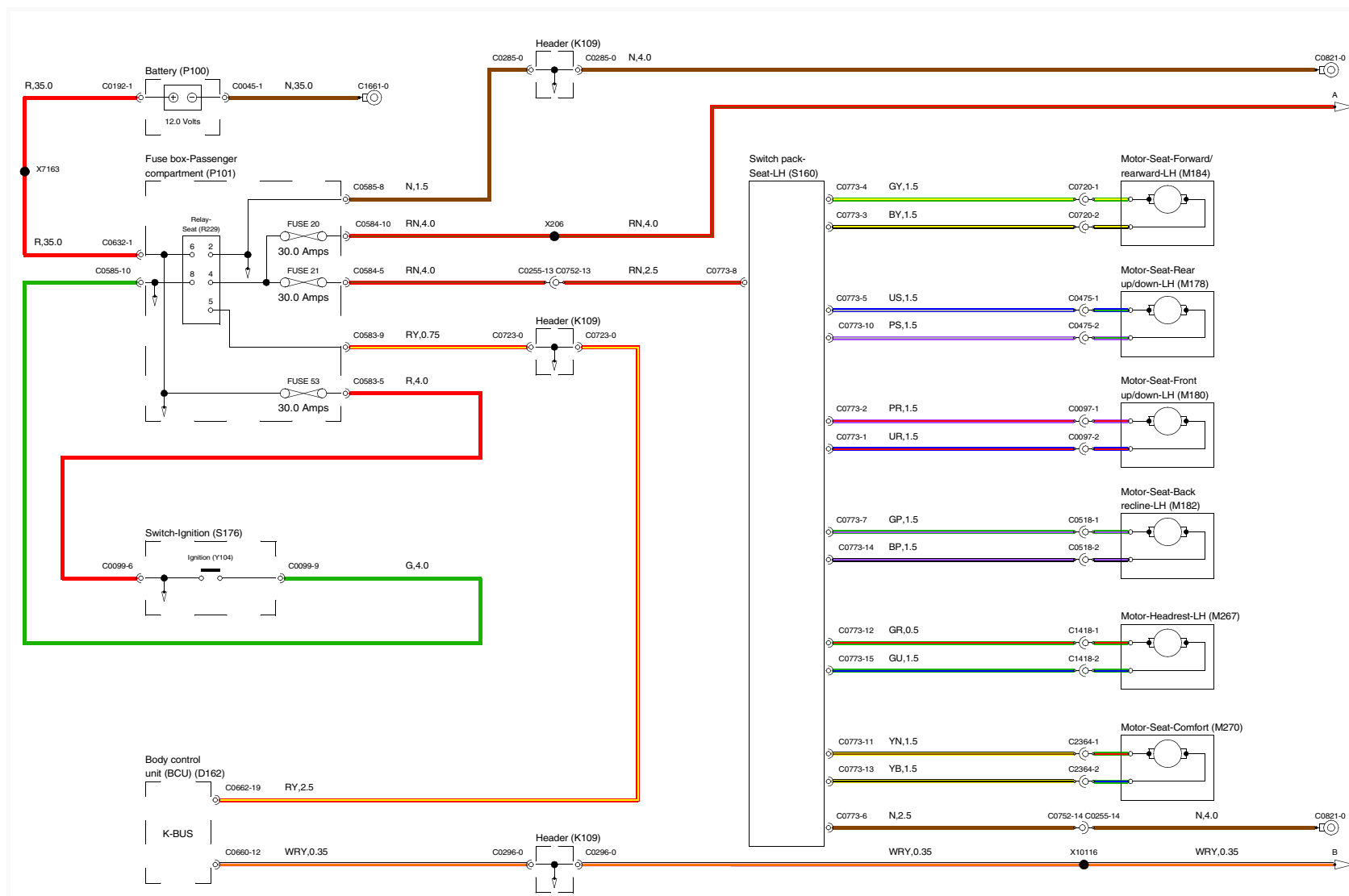


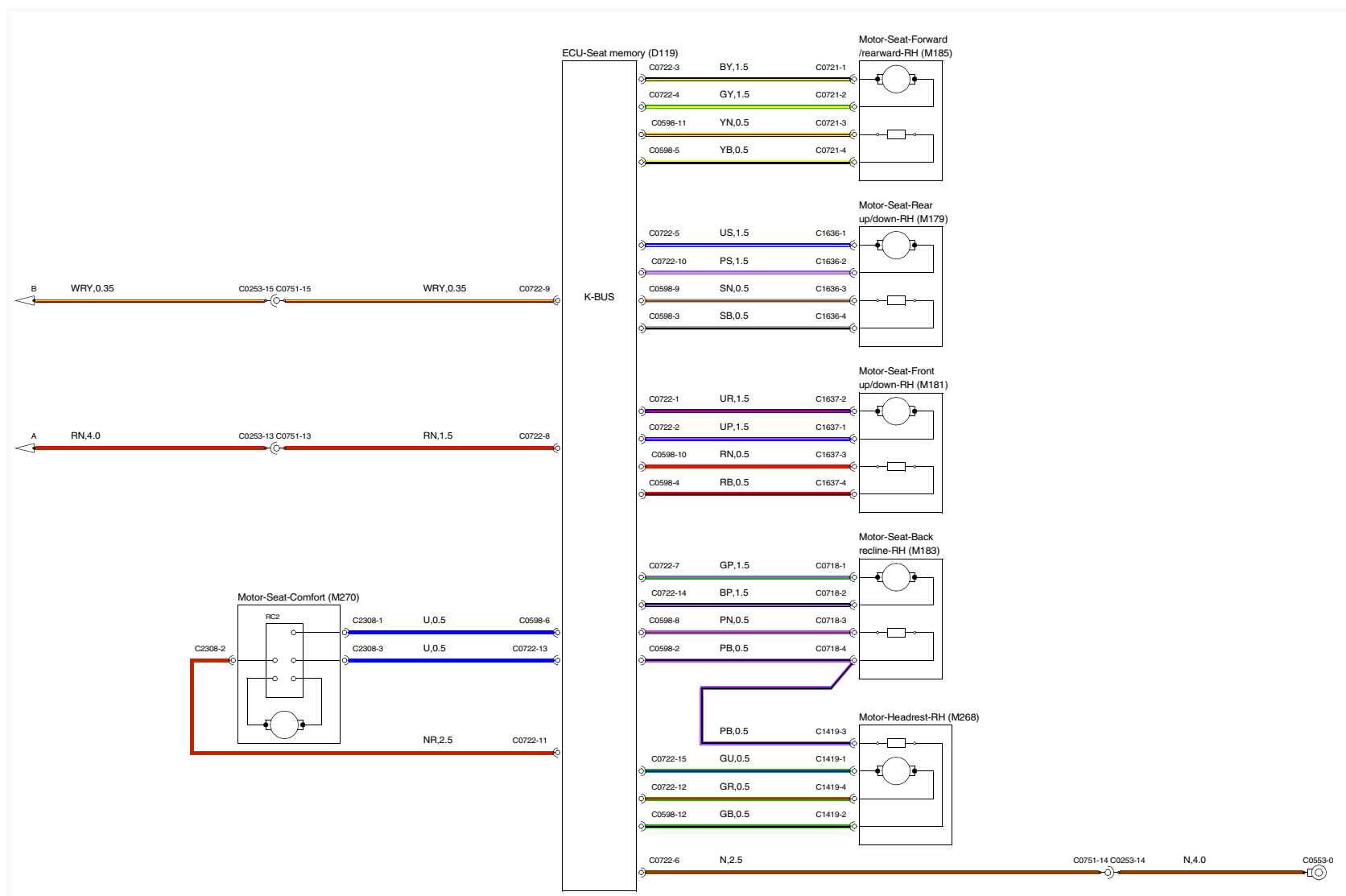


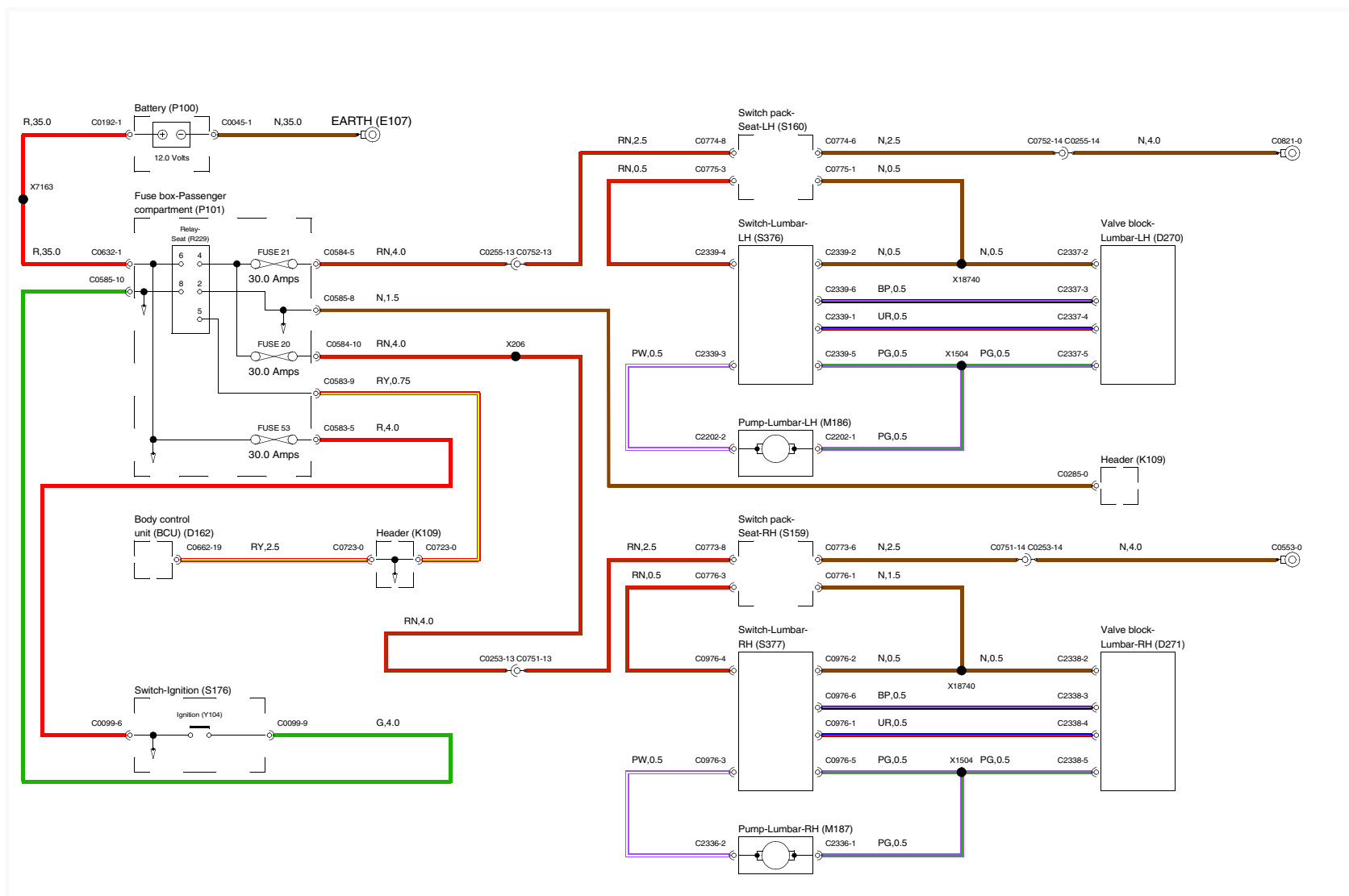


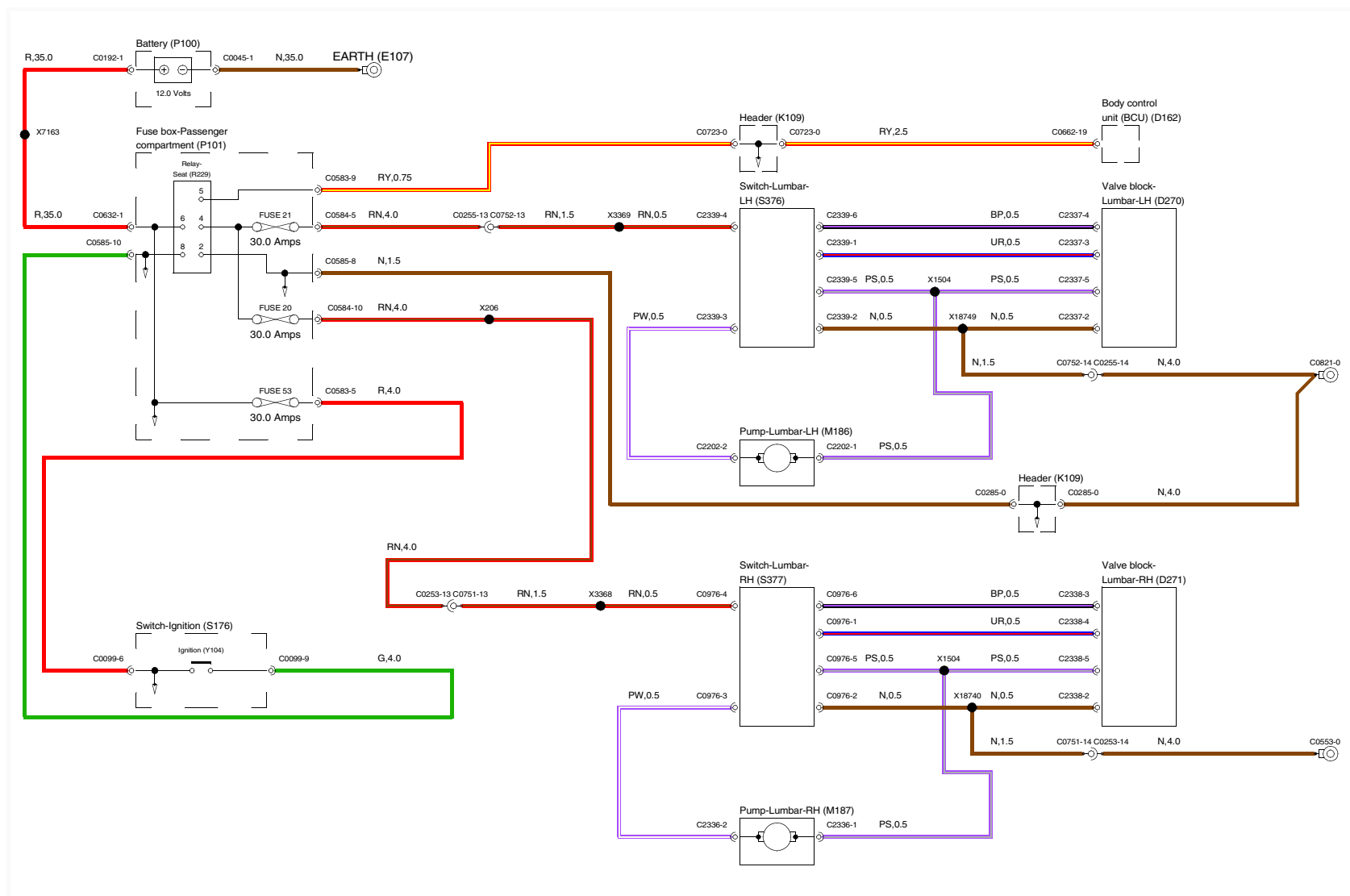


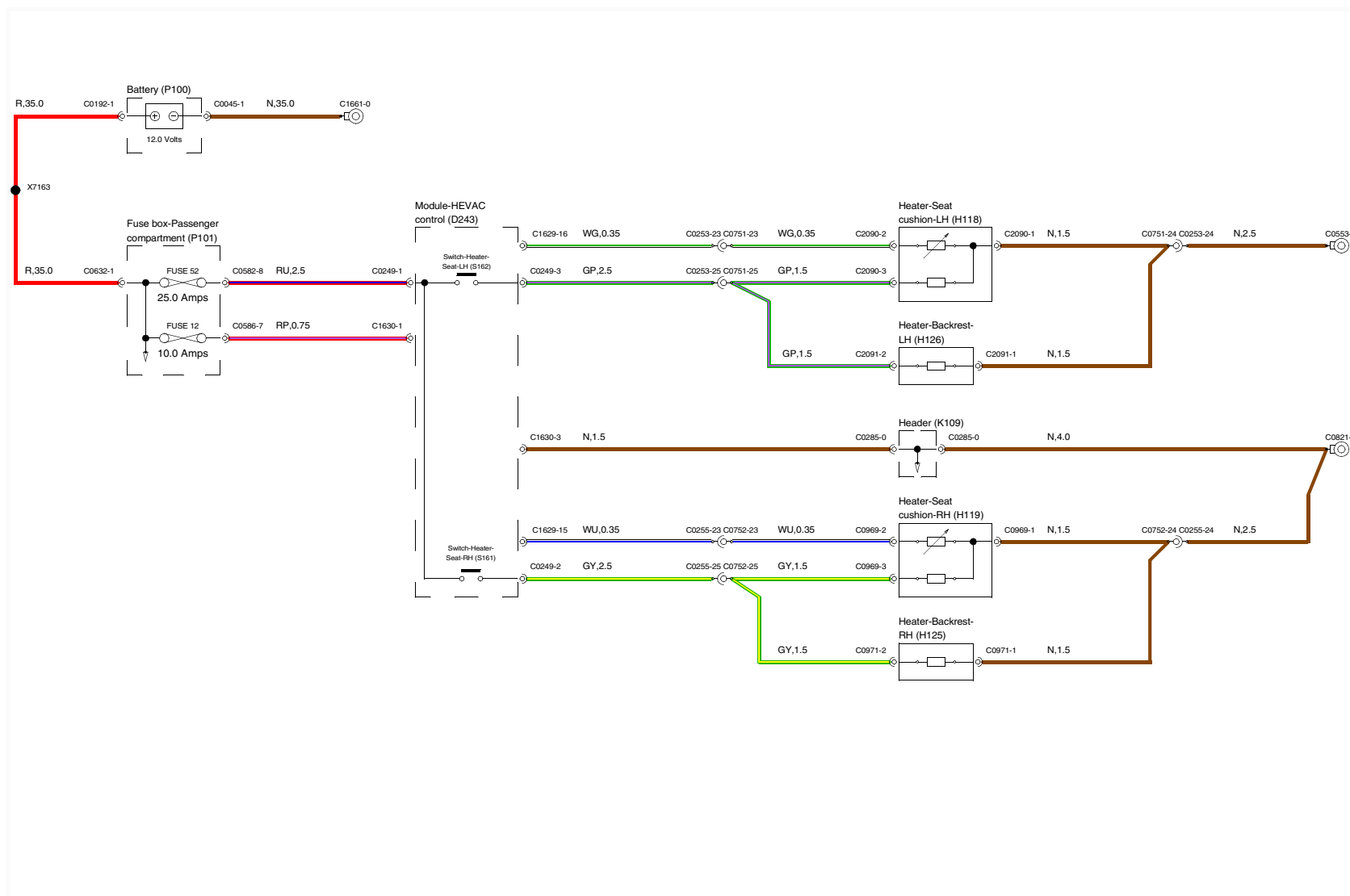


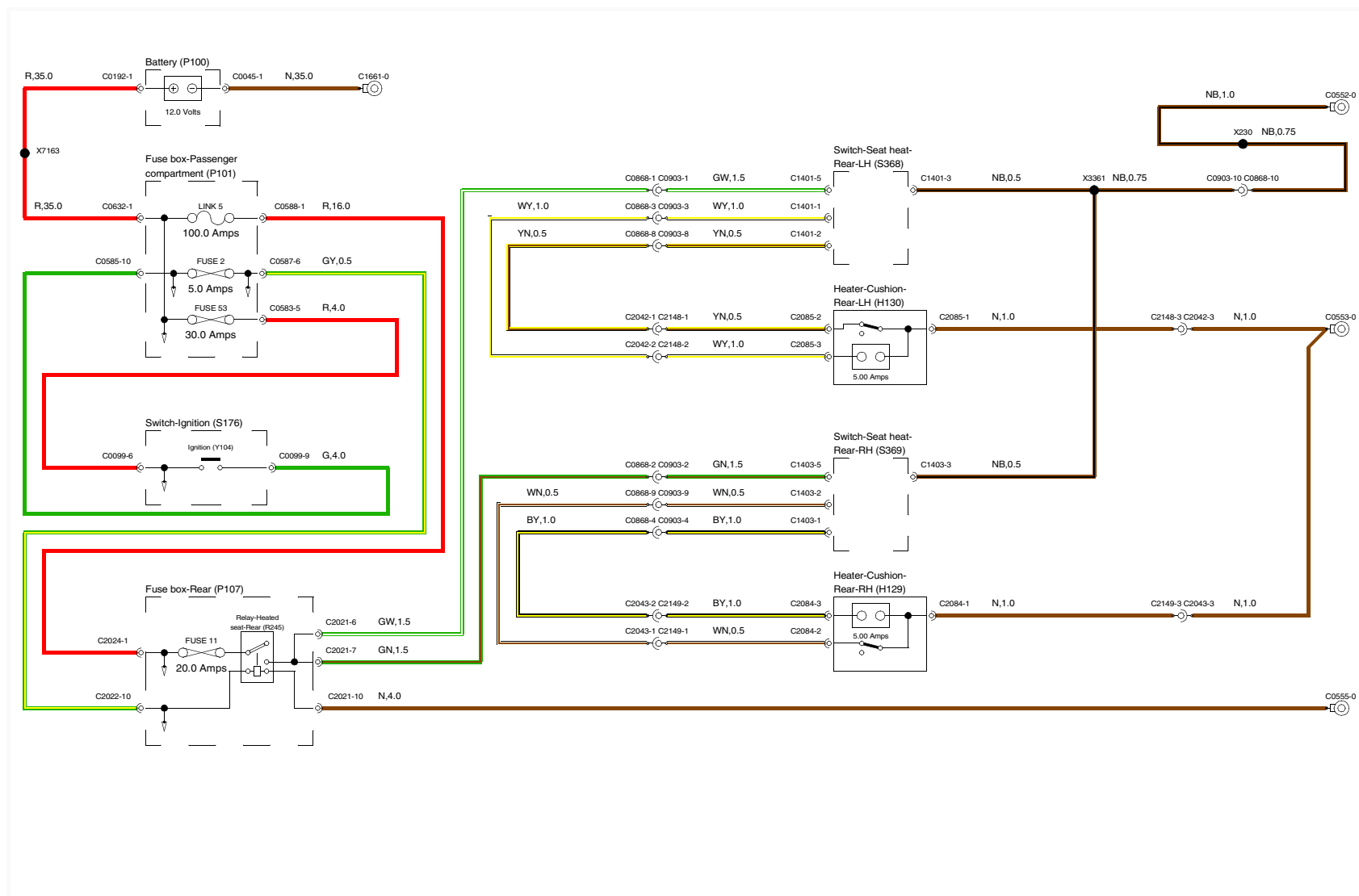


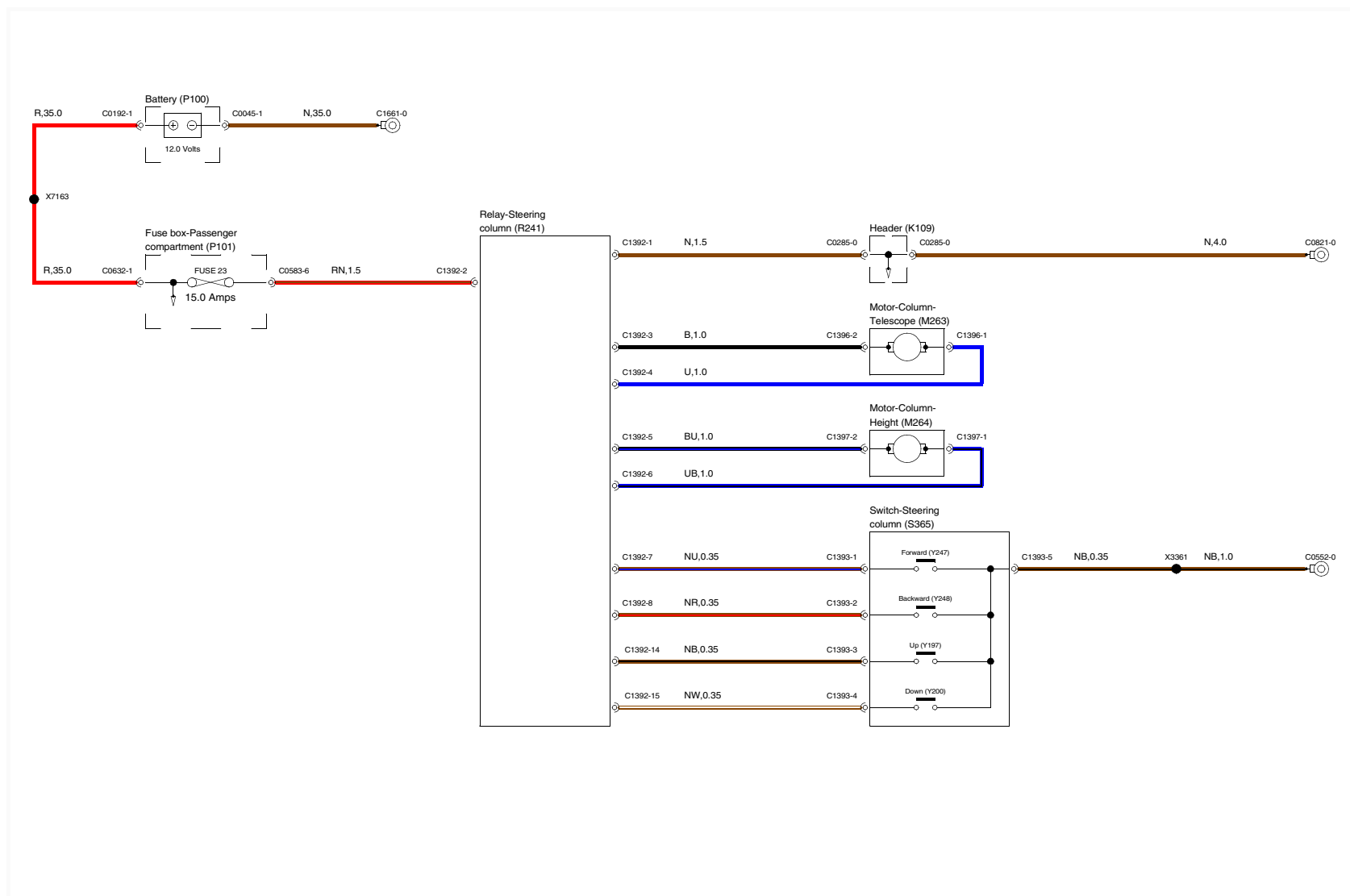


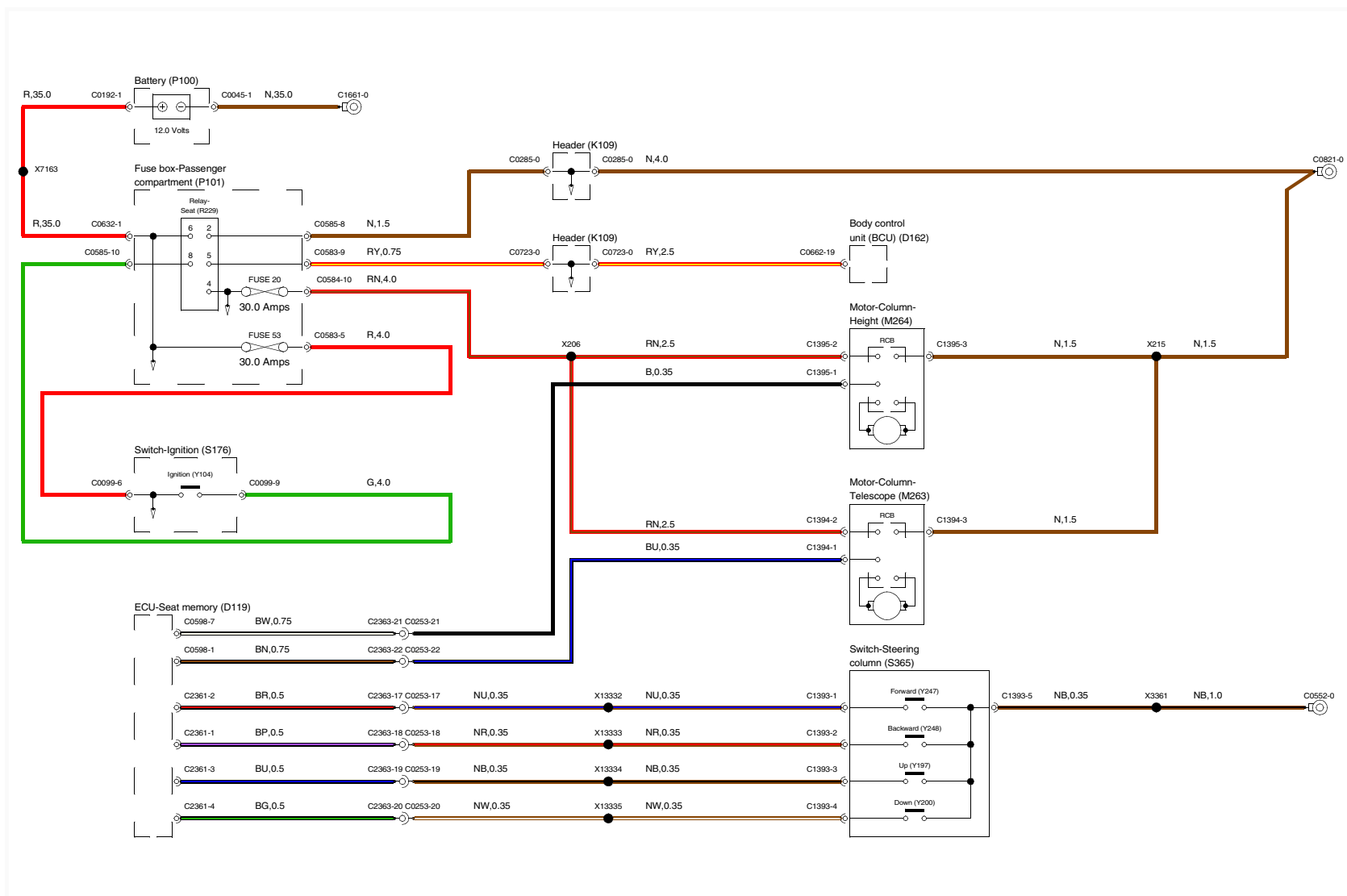


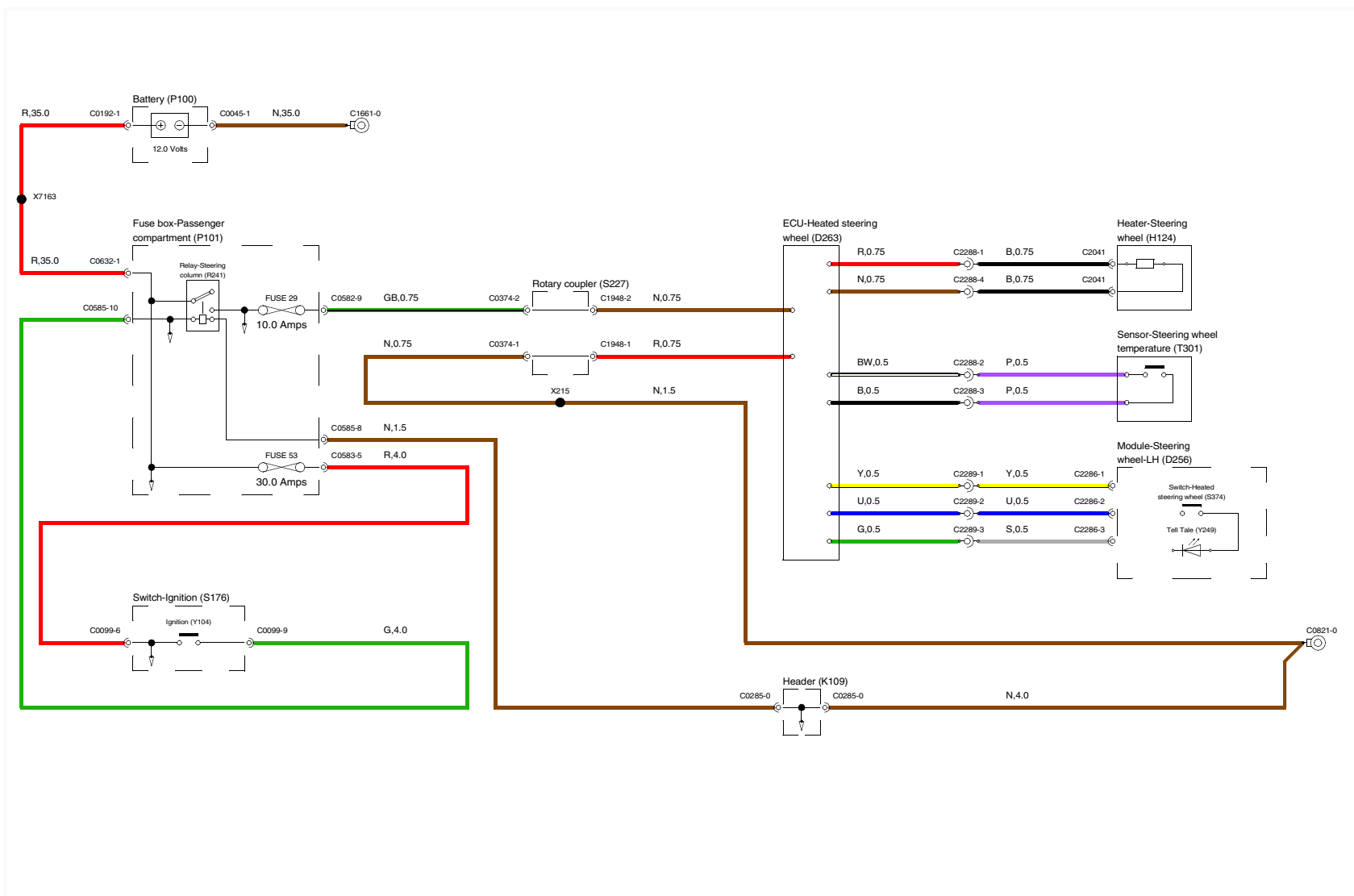




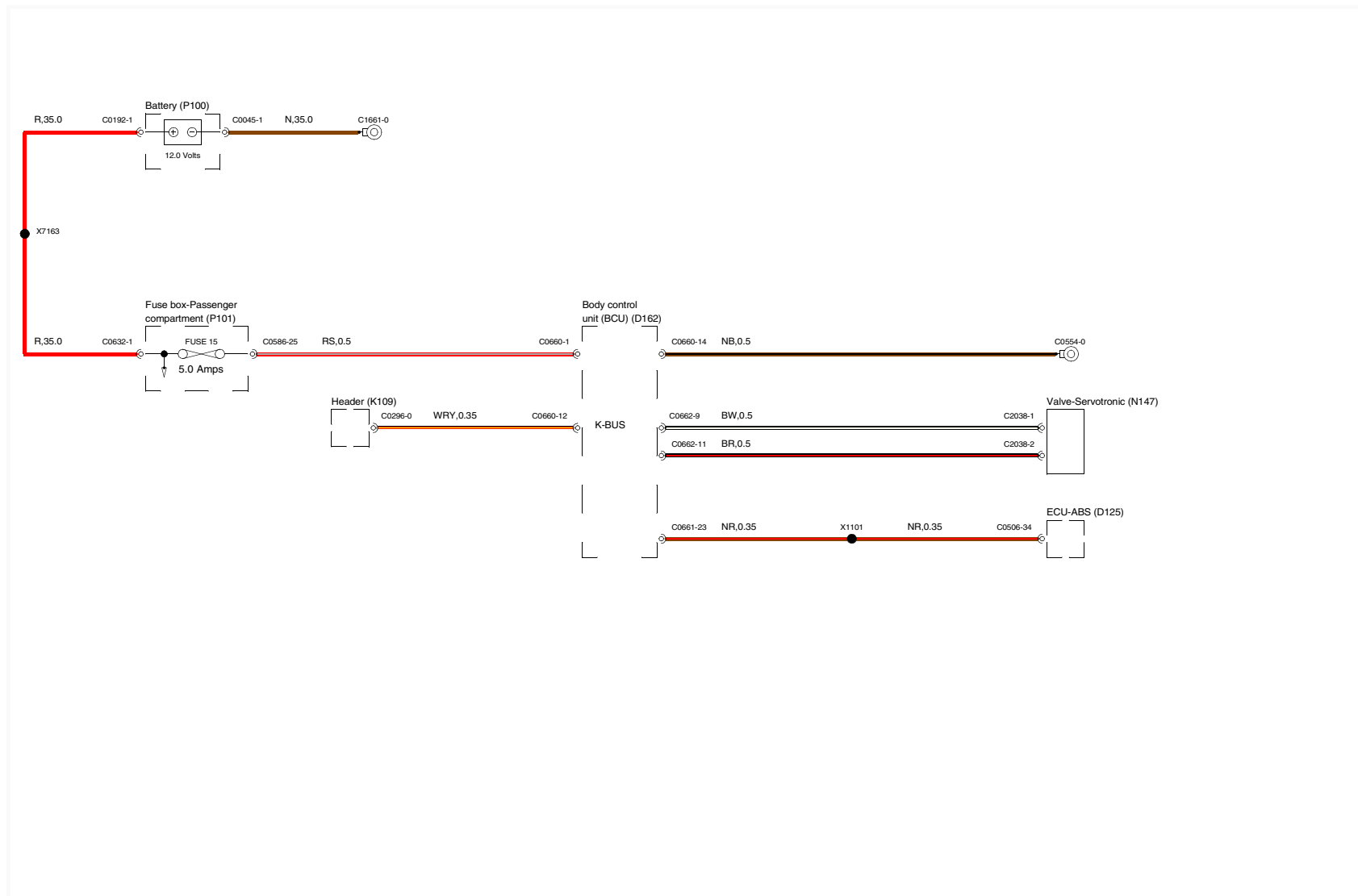




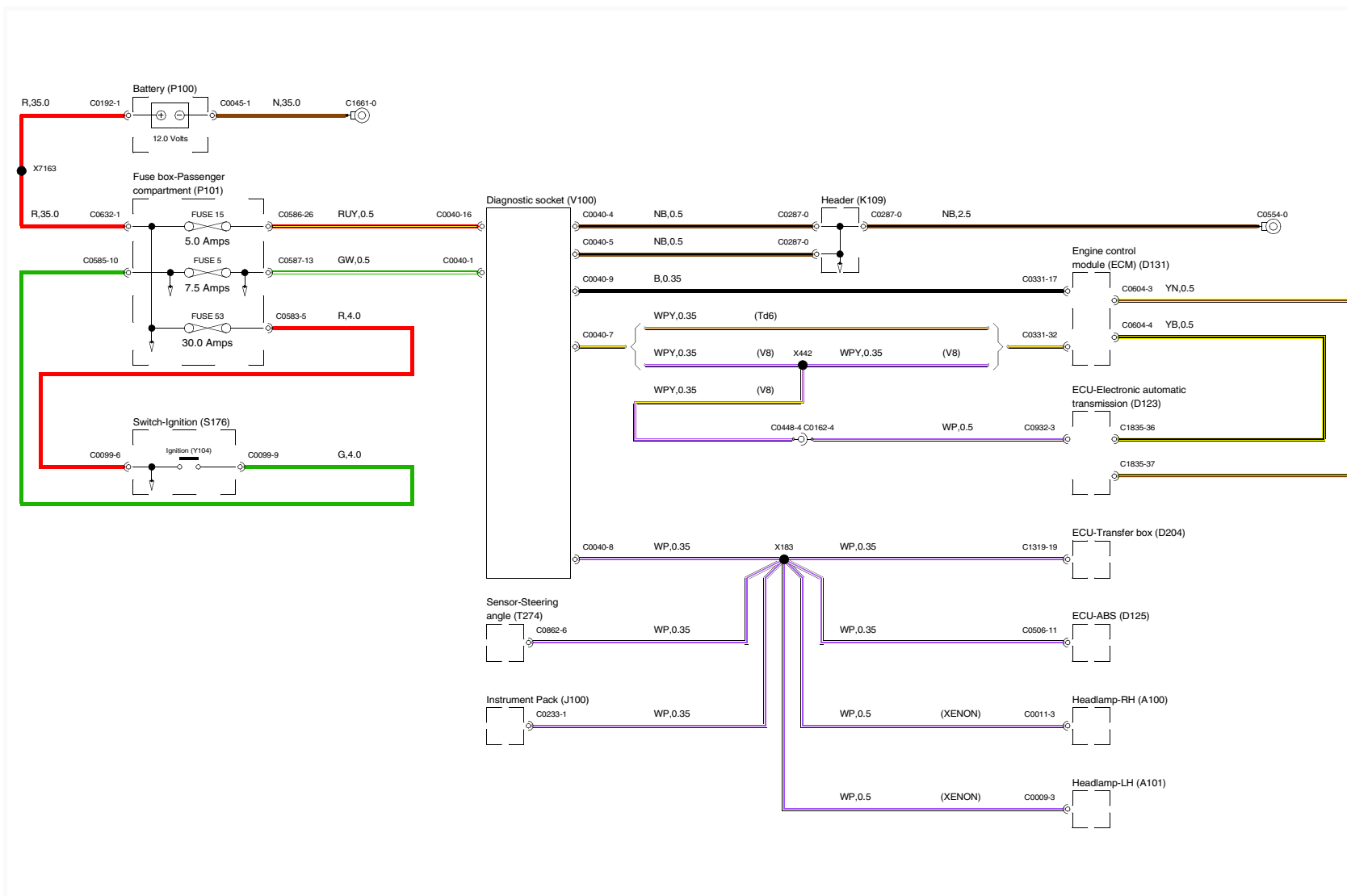




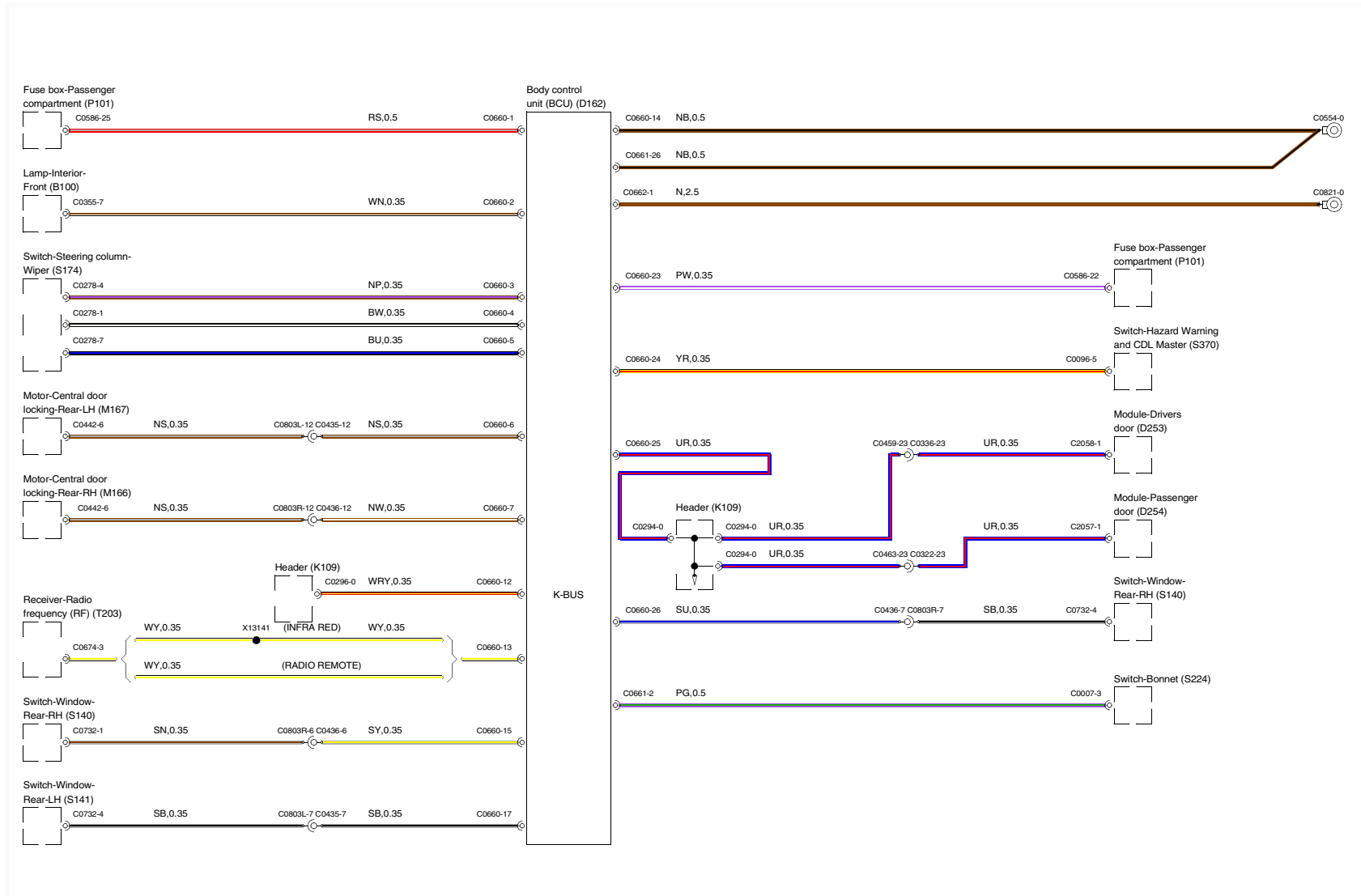
9 STEERING

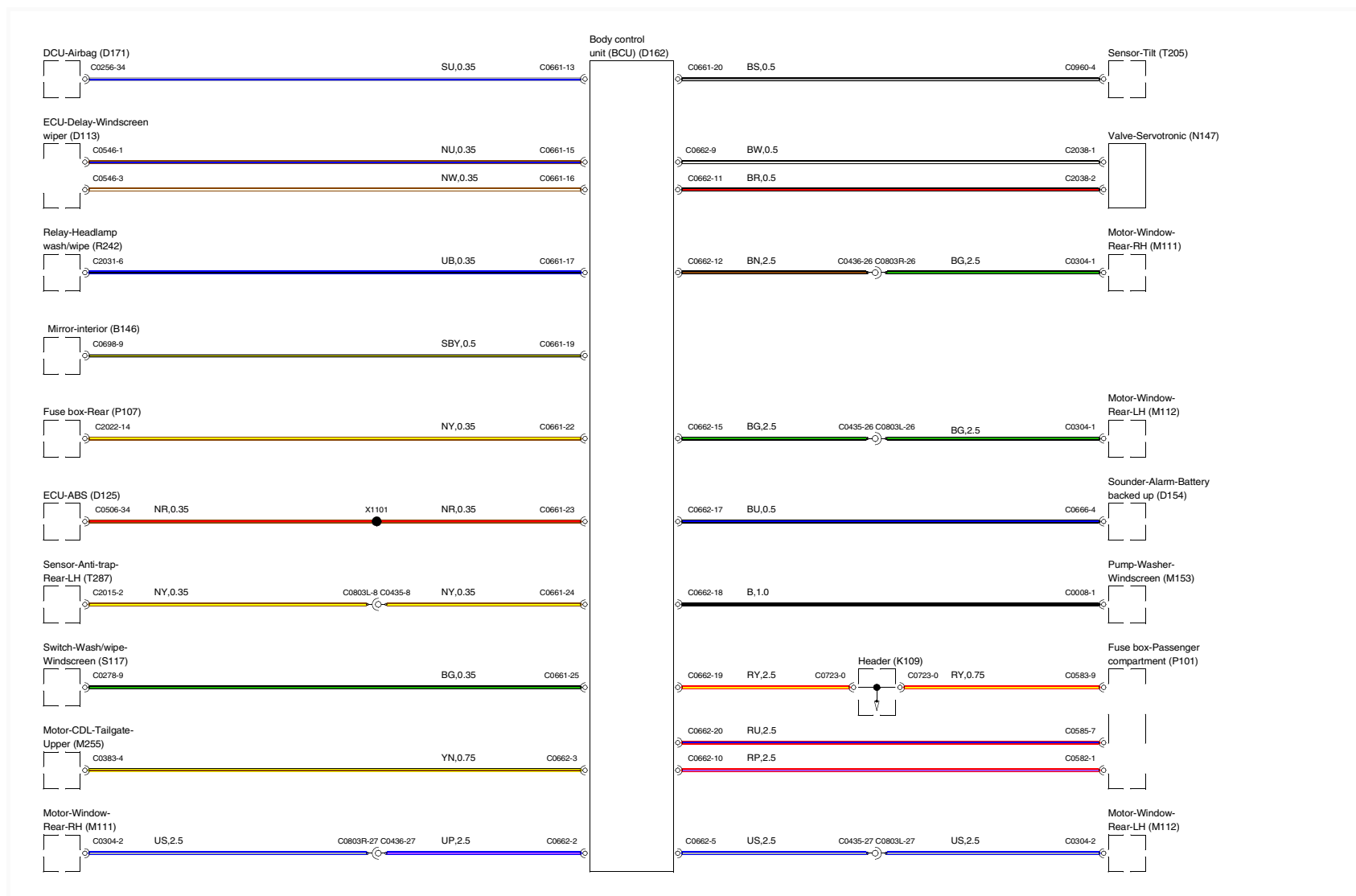


10 DIAGNOSTIC SOCKET

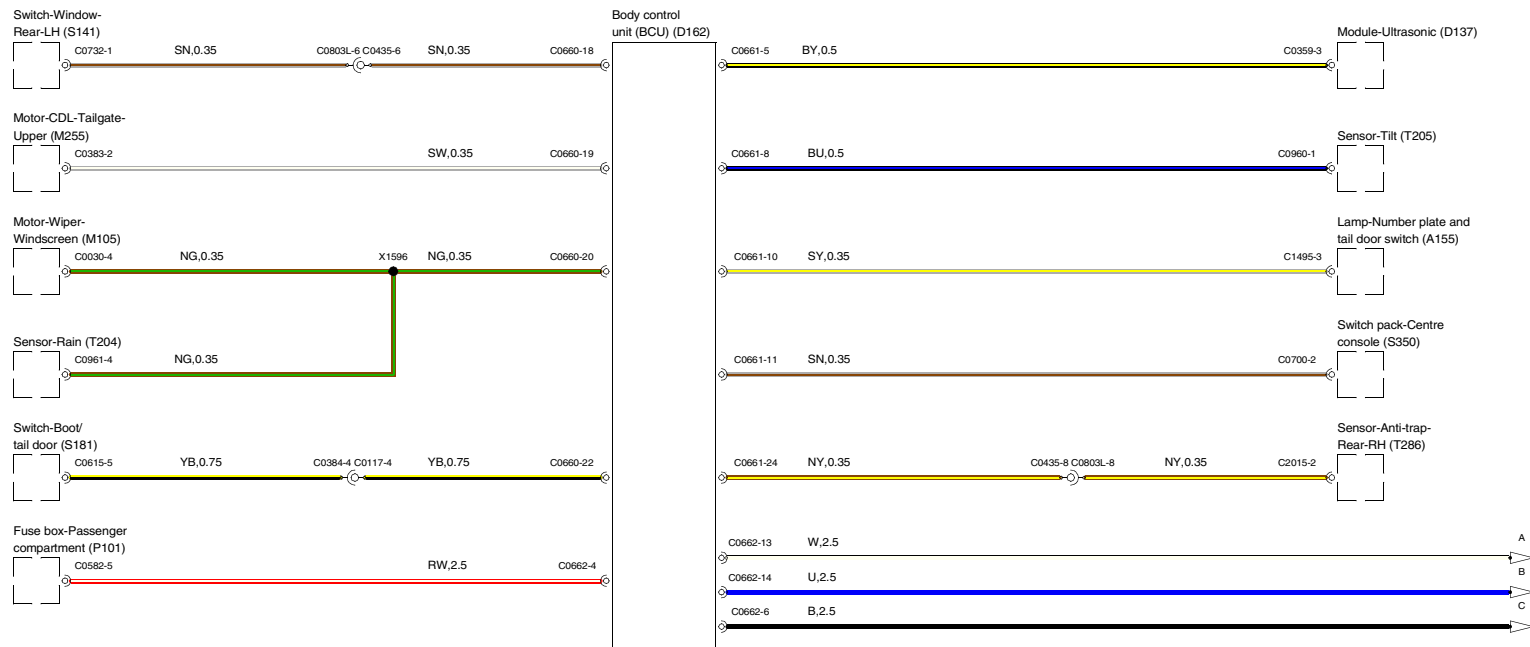


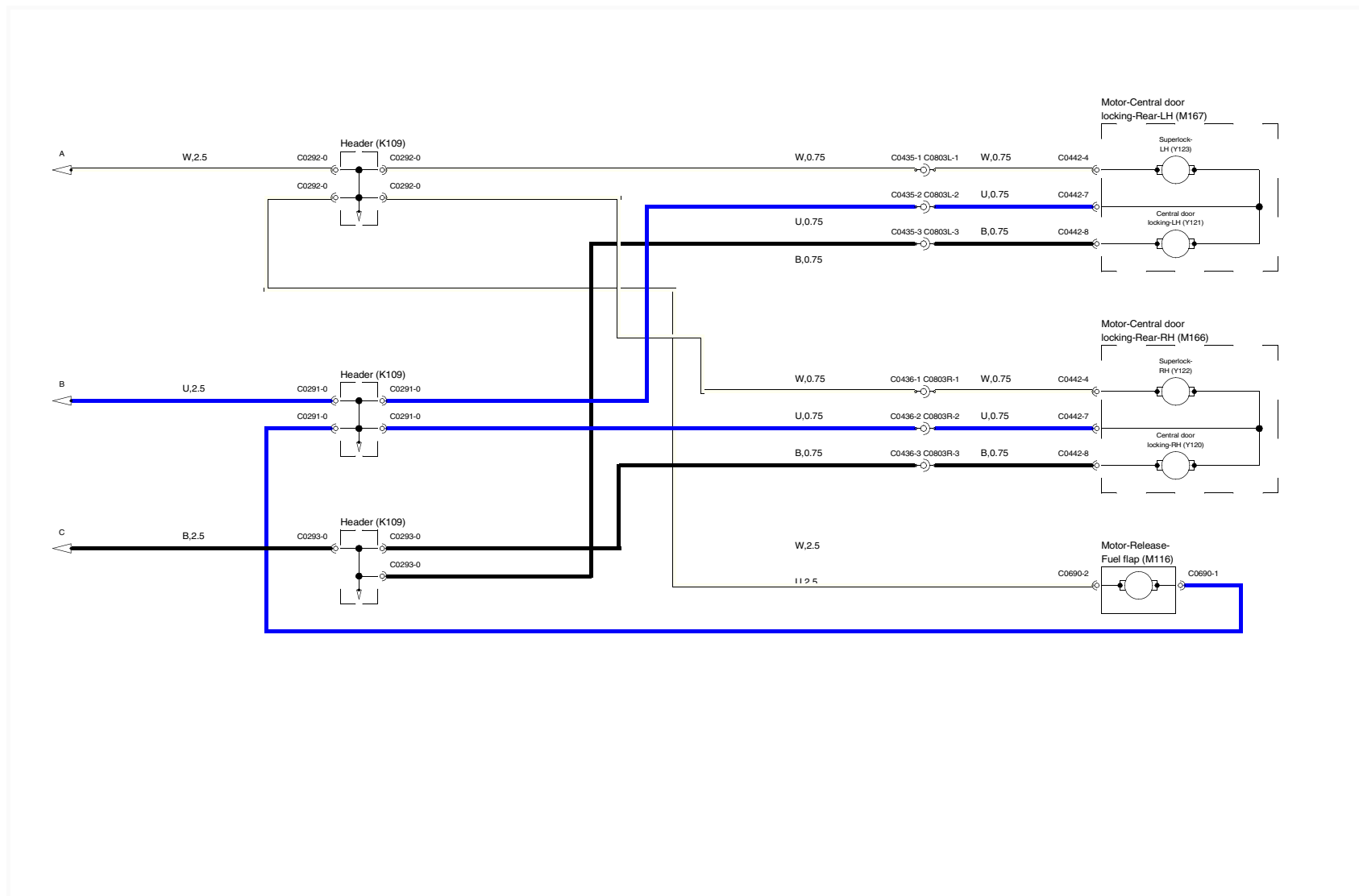
11 BODY CONTROL UNIT

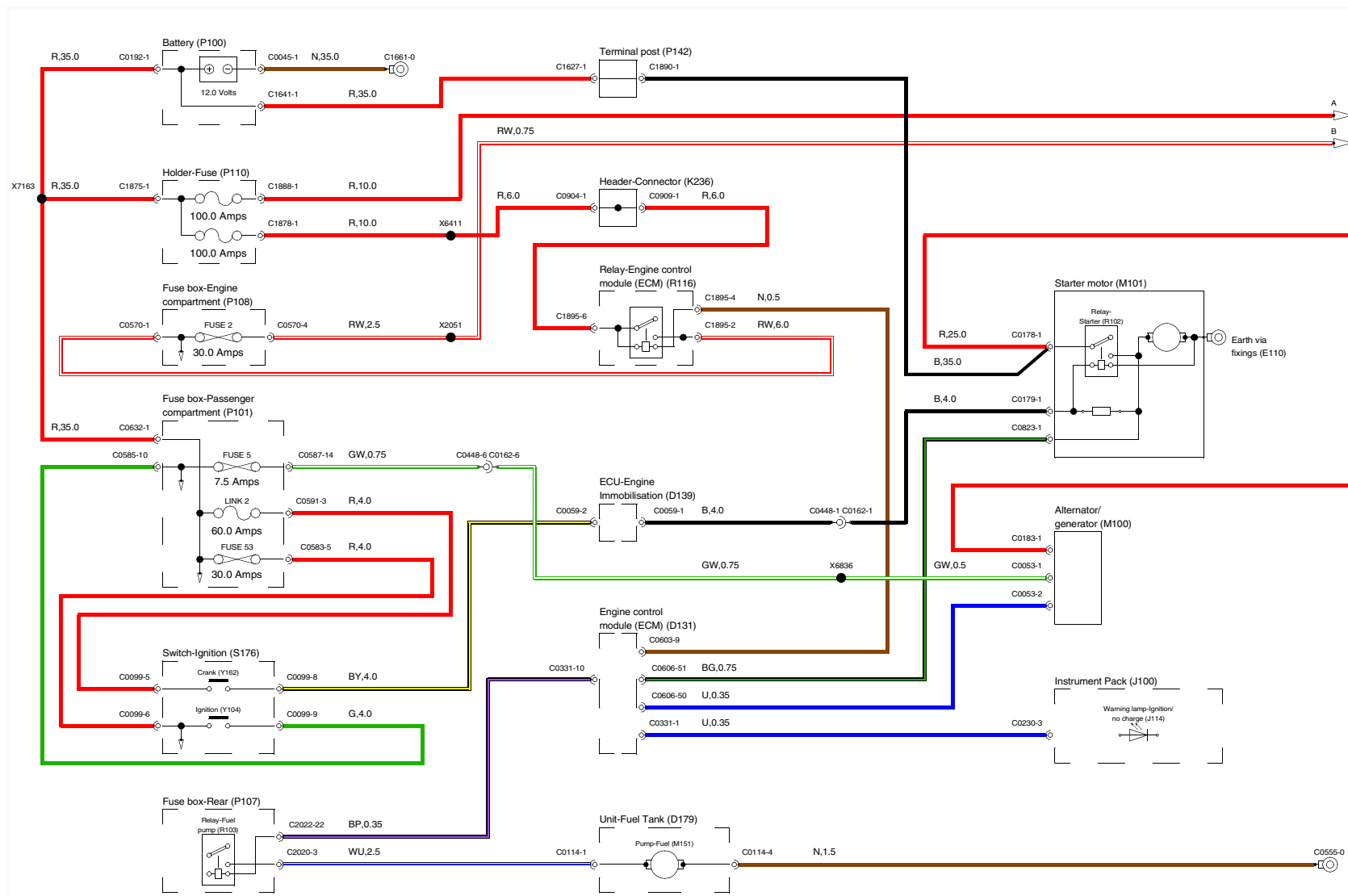


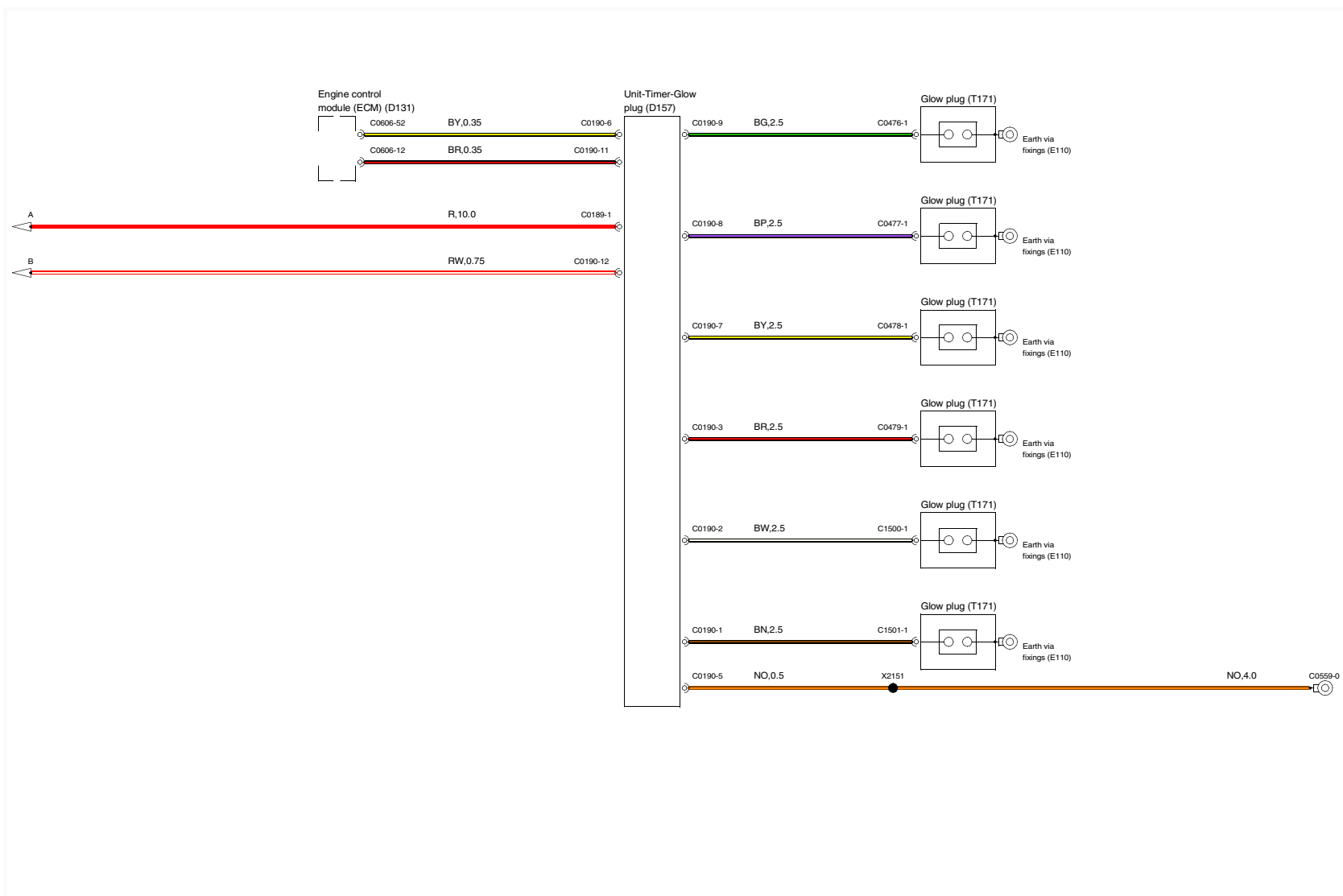


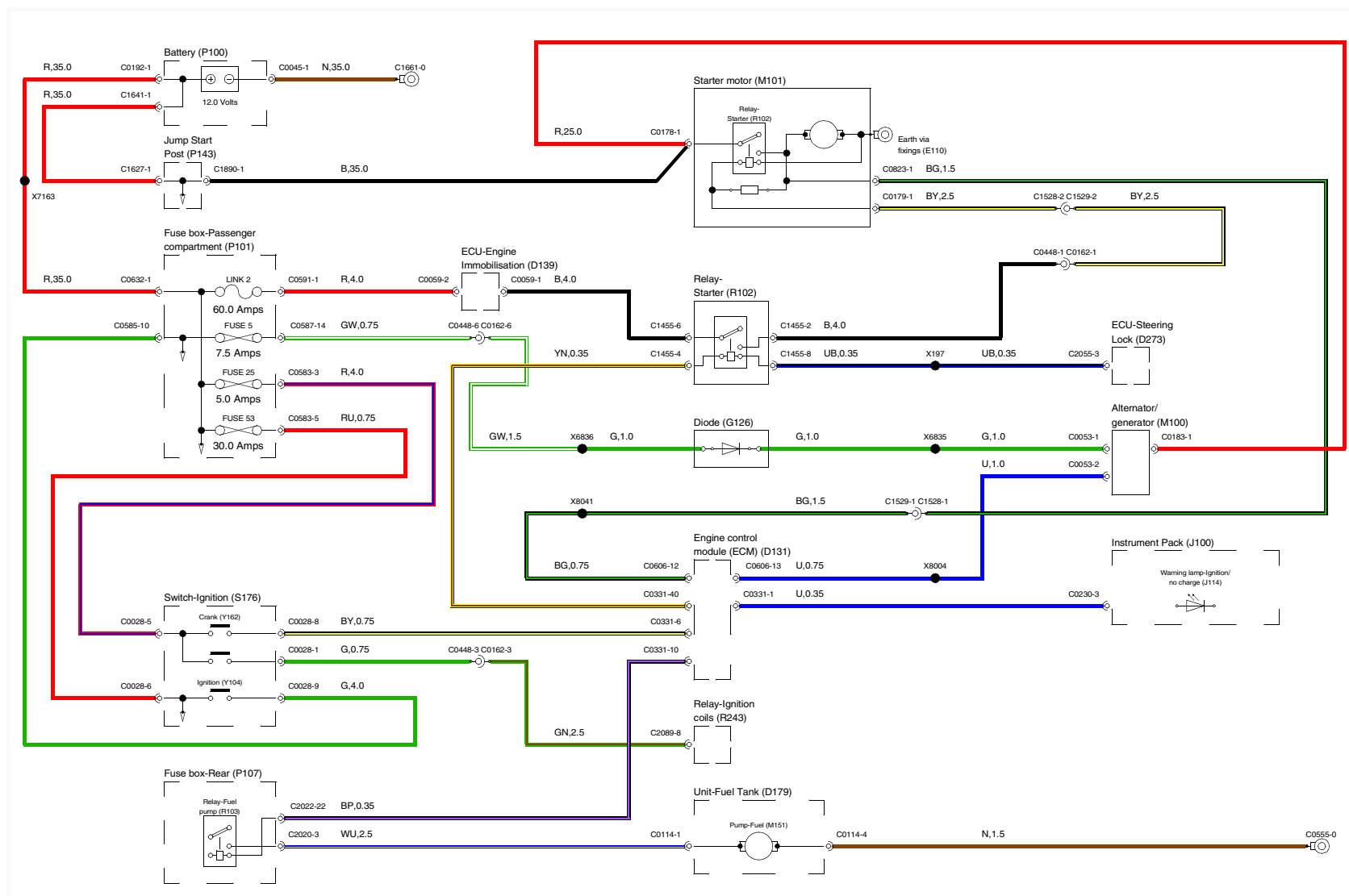
11 BODY CONTROL UNIT

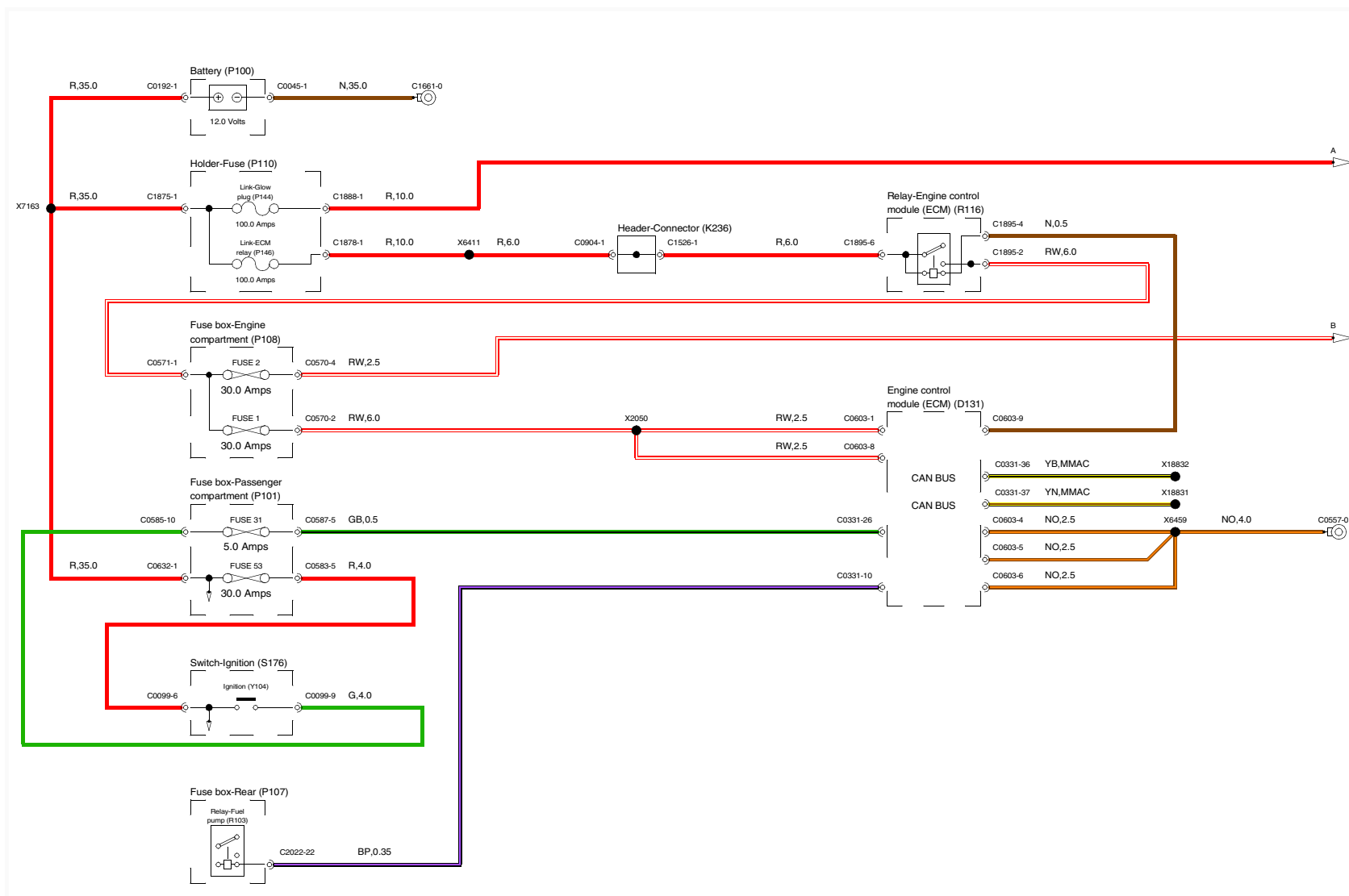


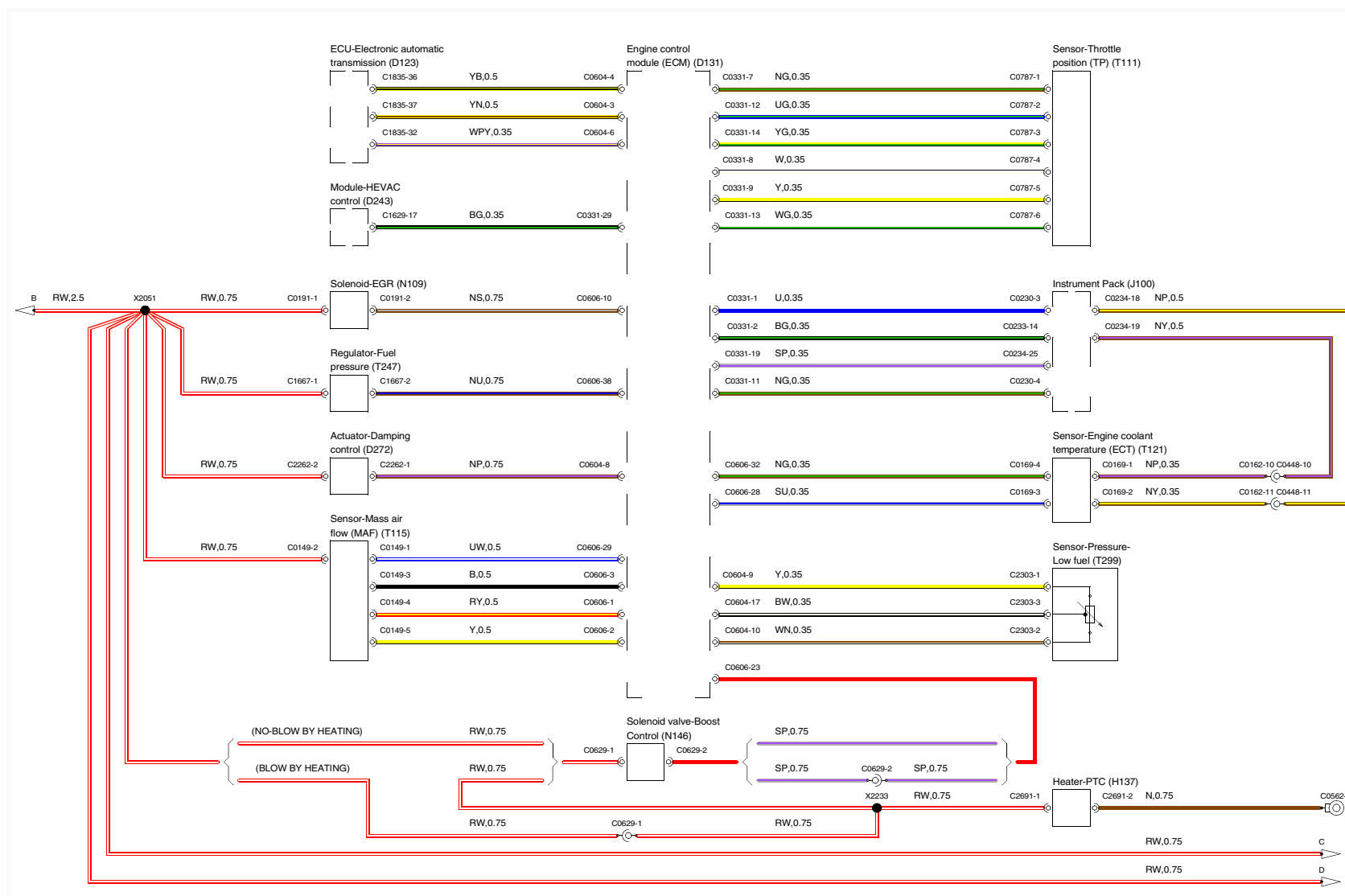


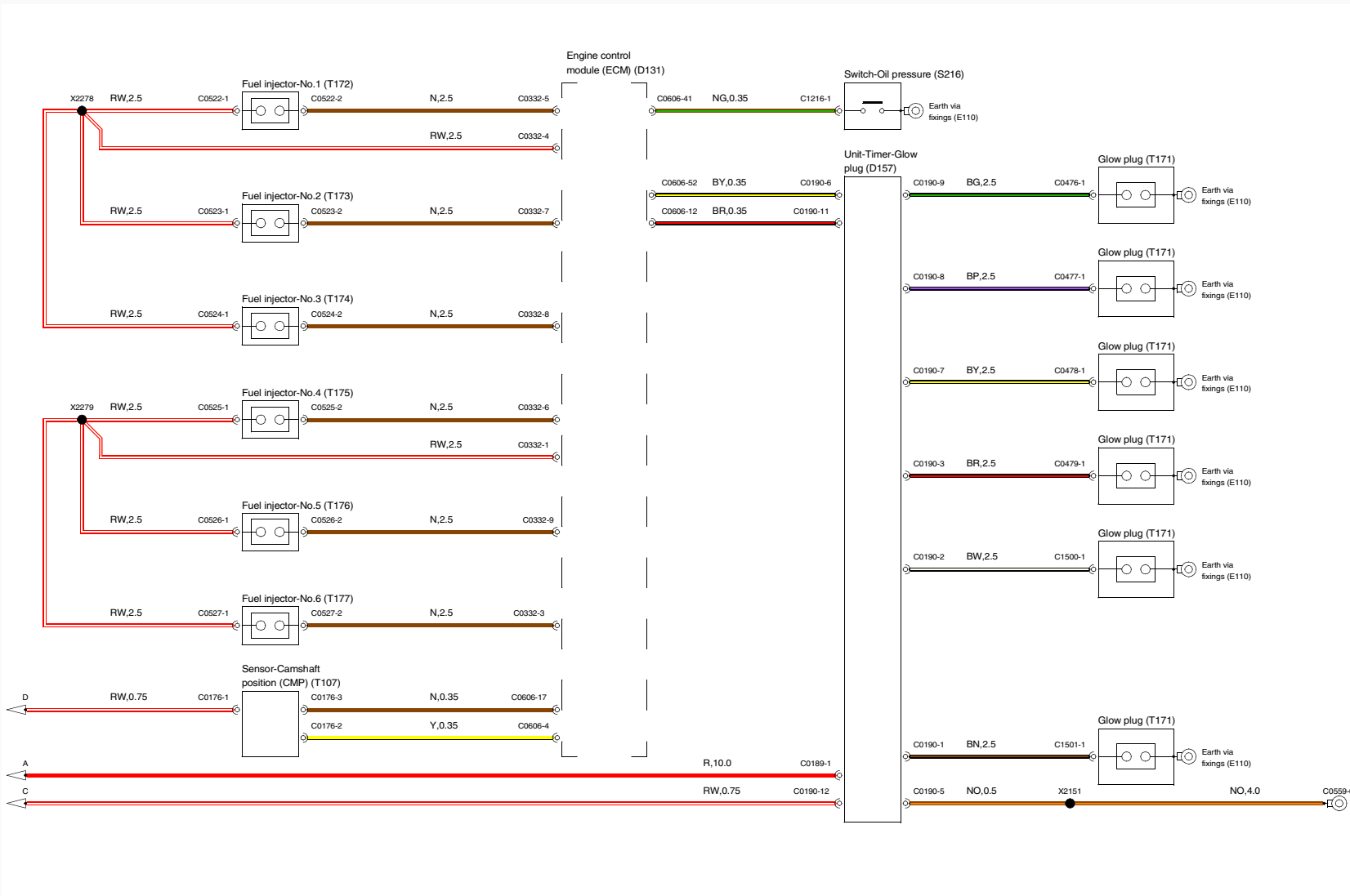


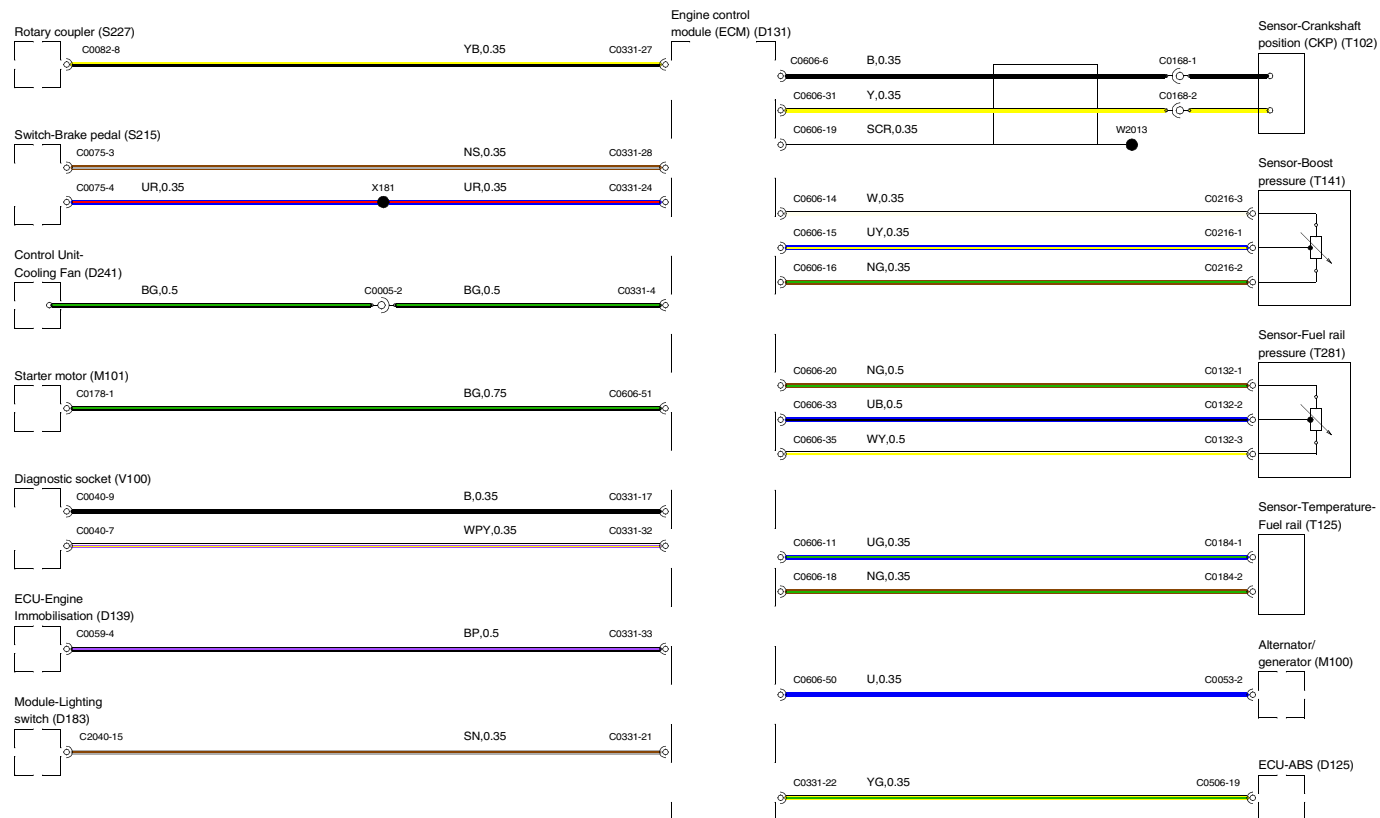


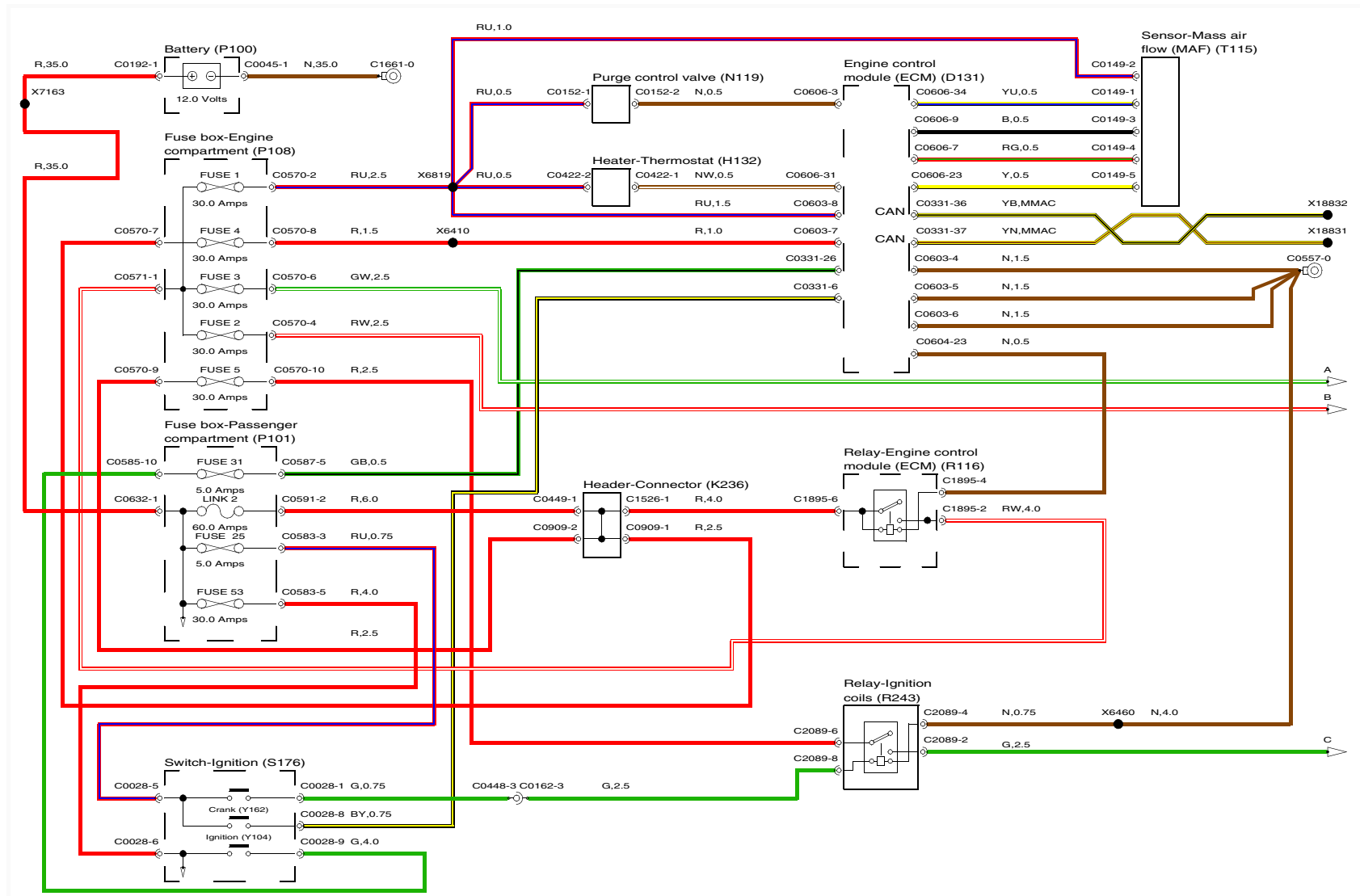


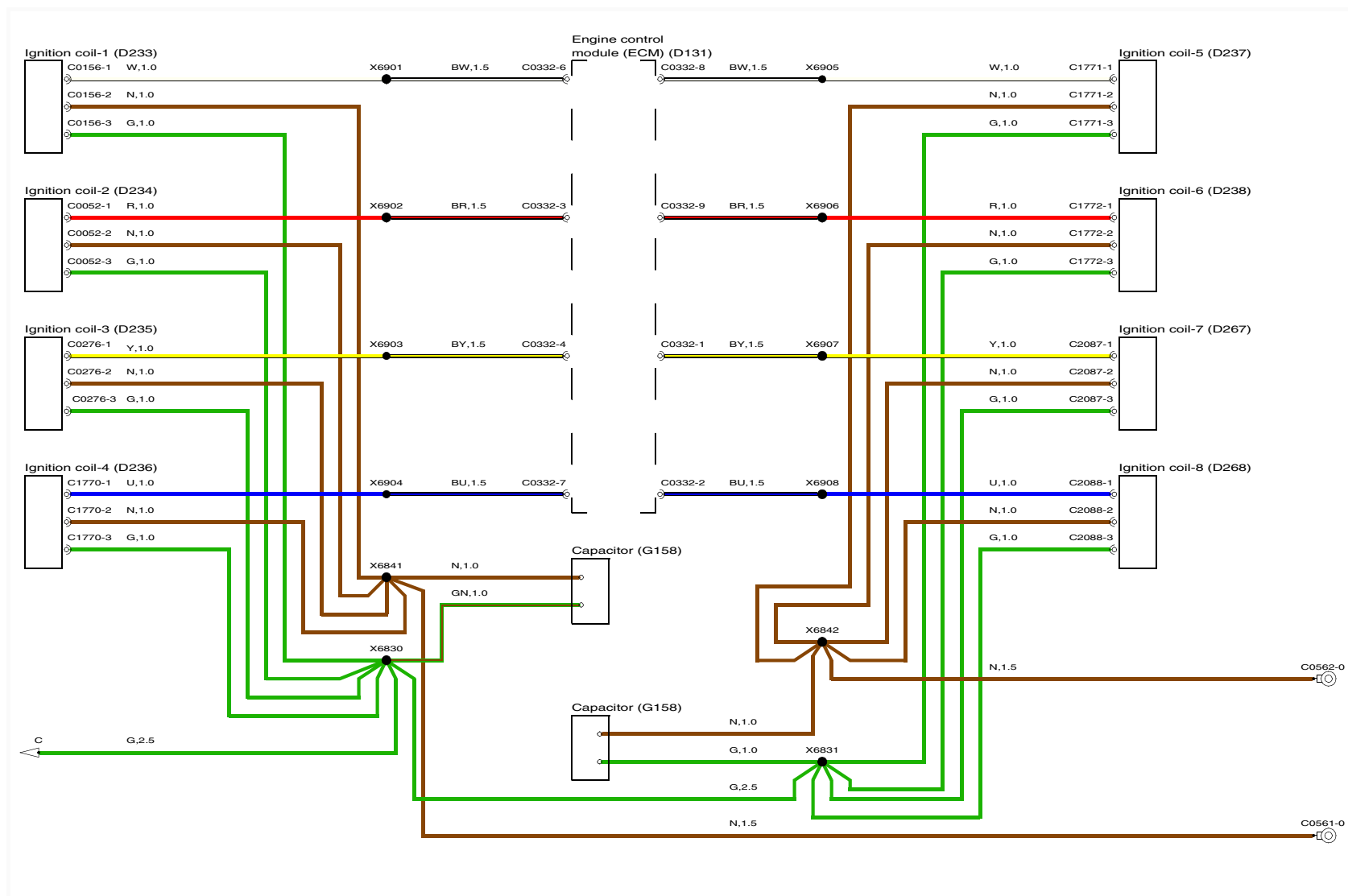


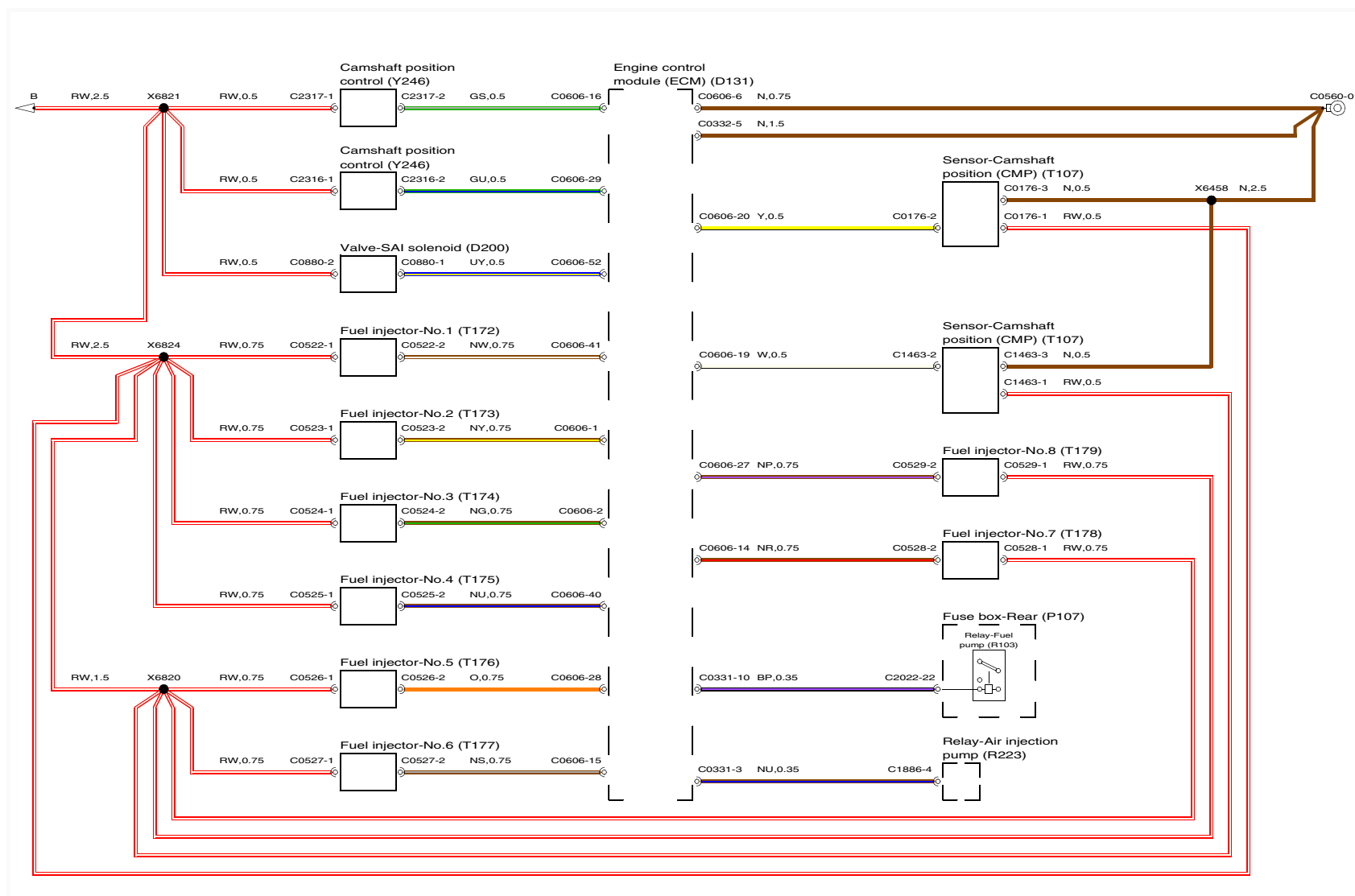


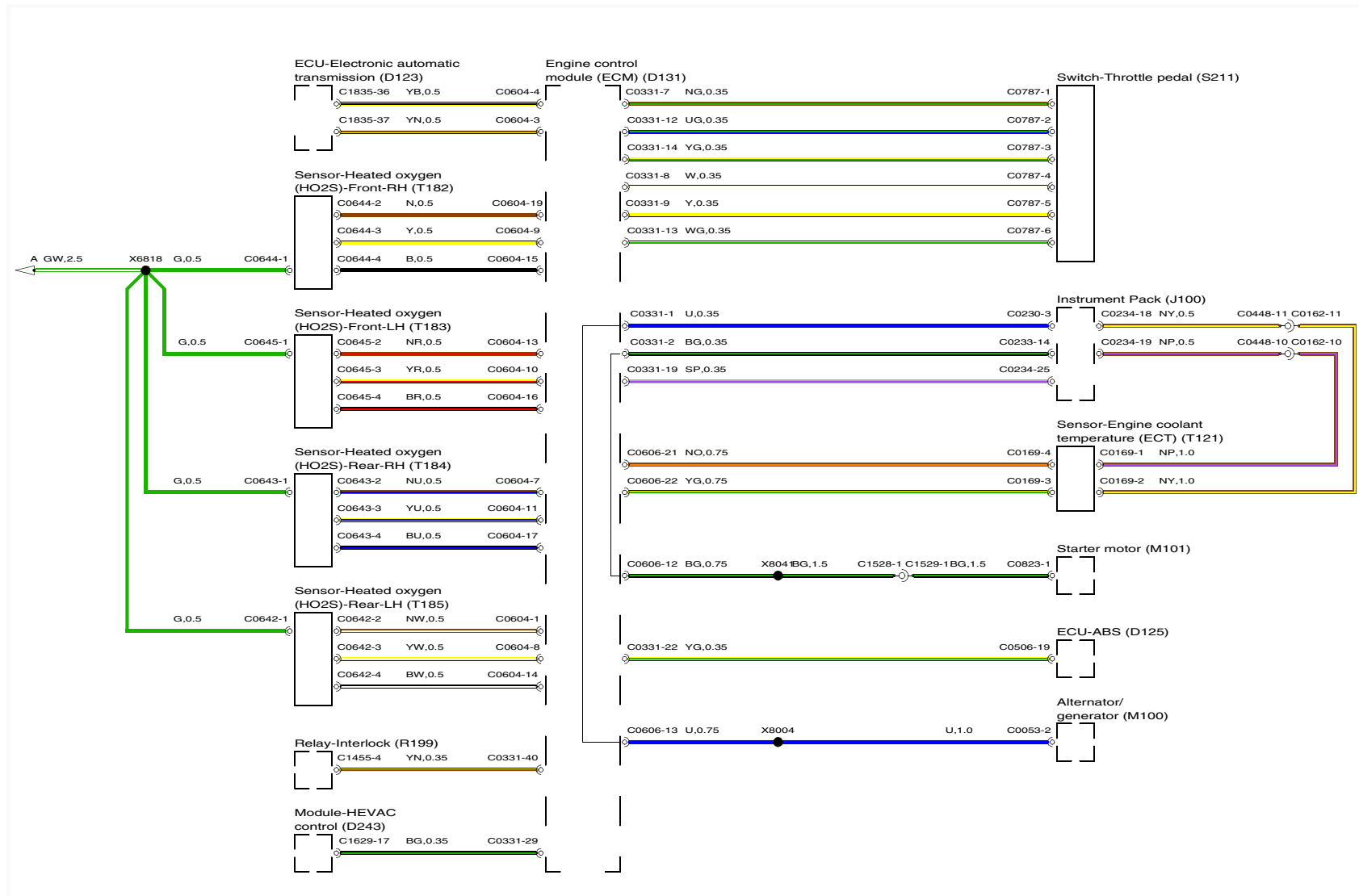


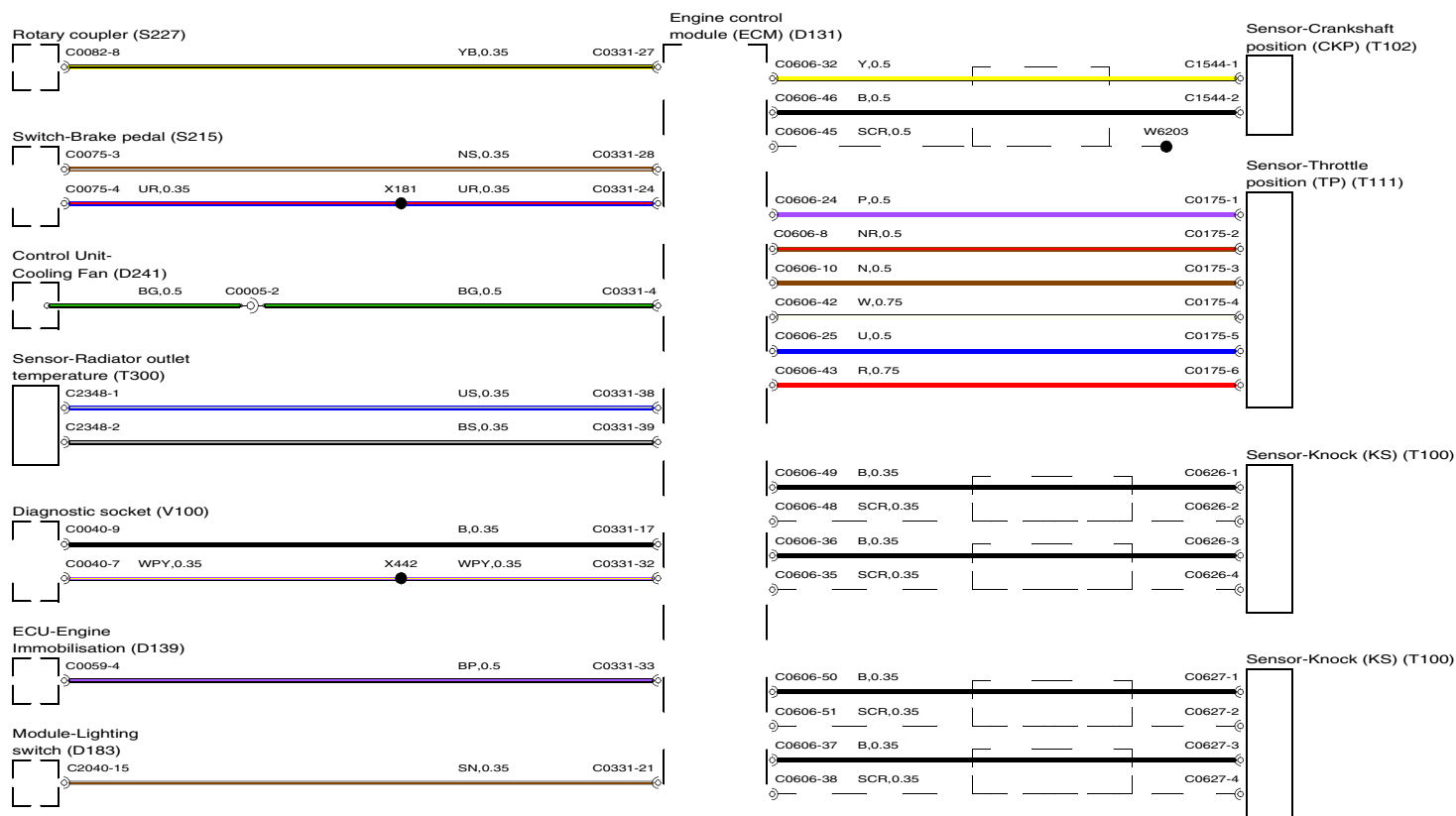




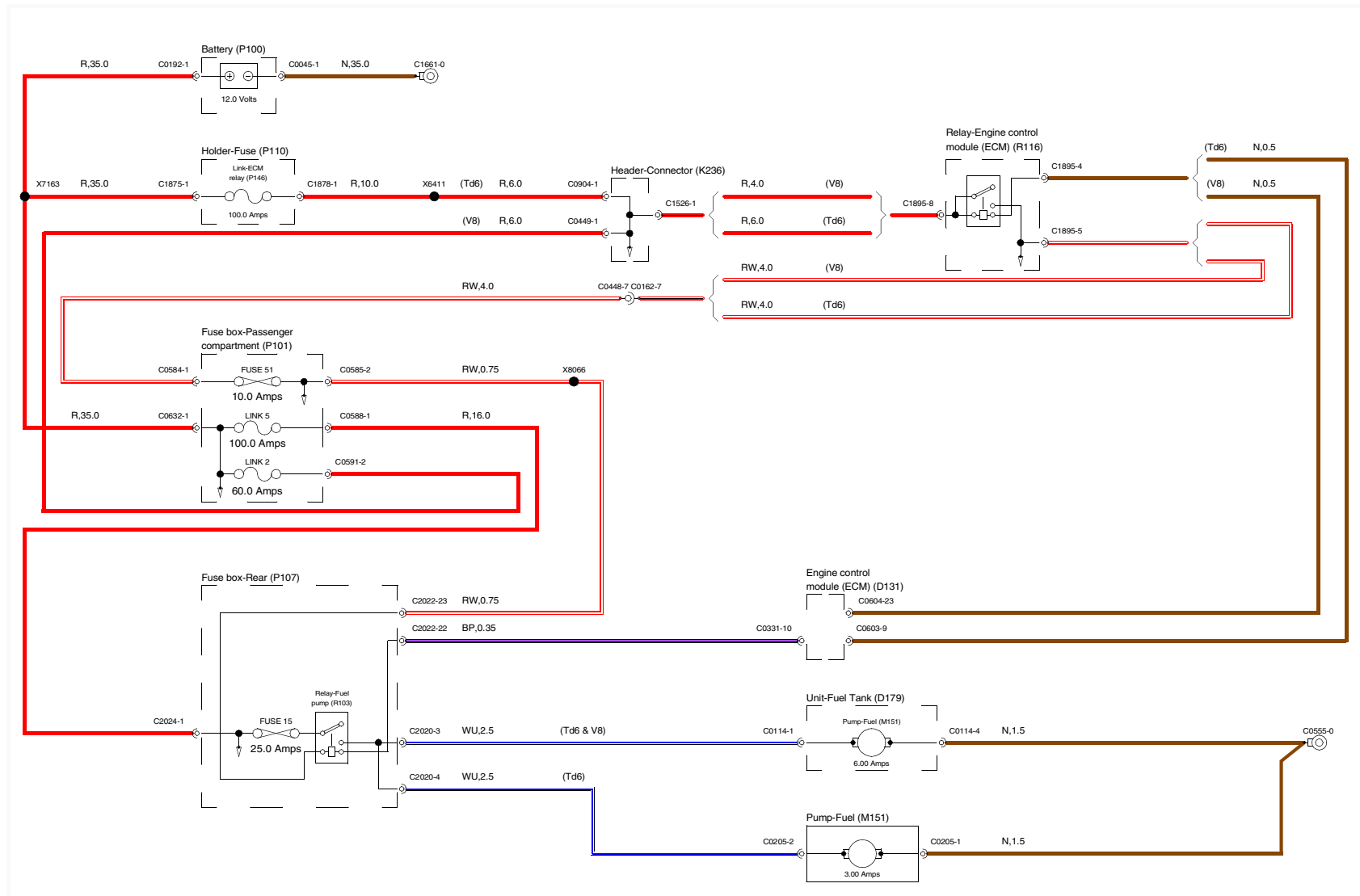




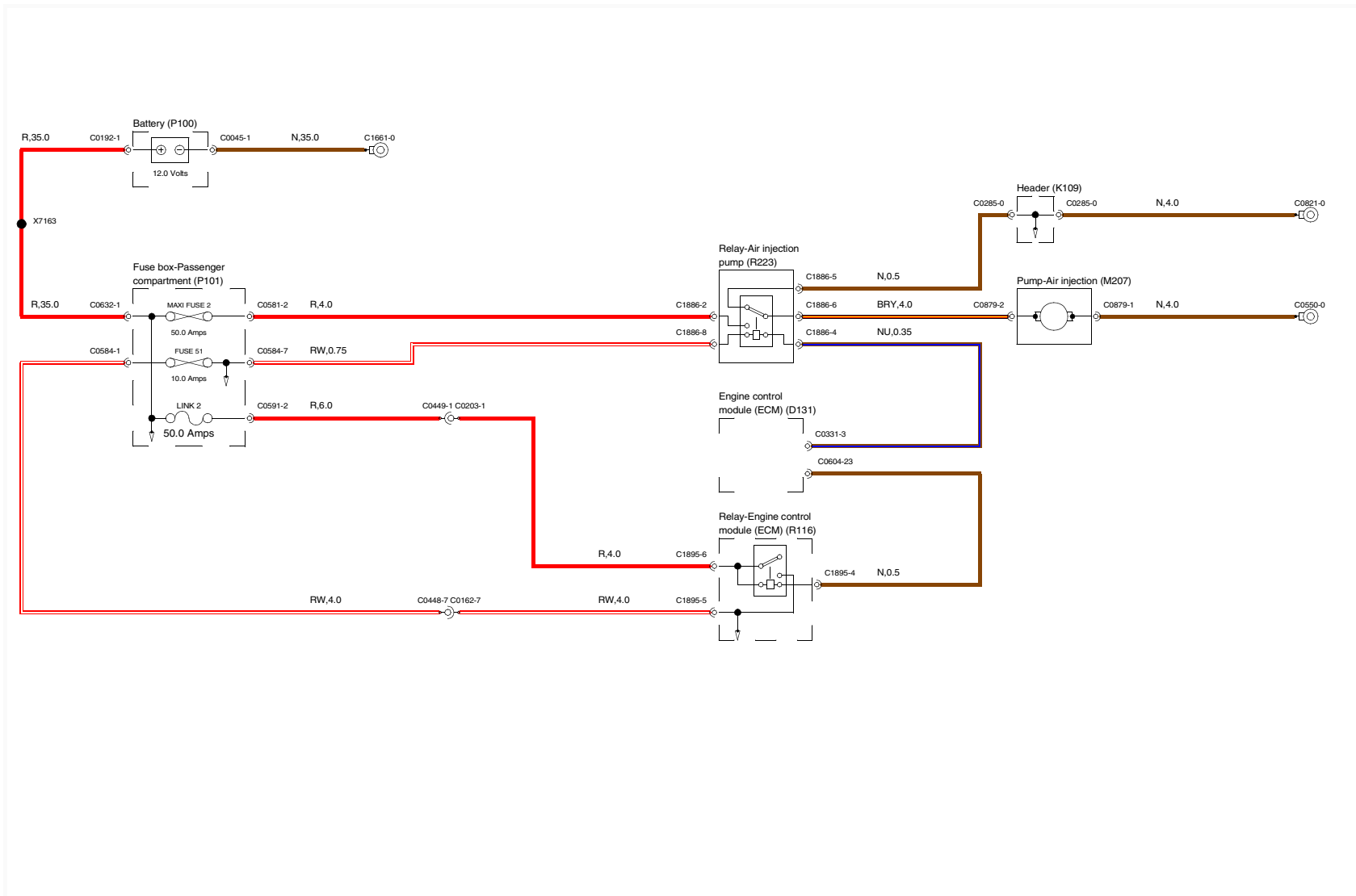


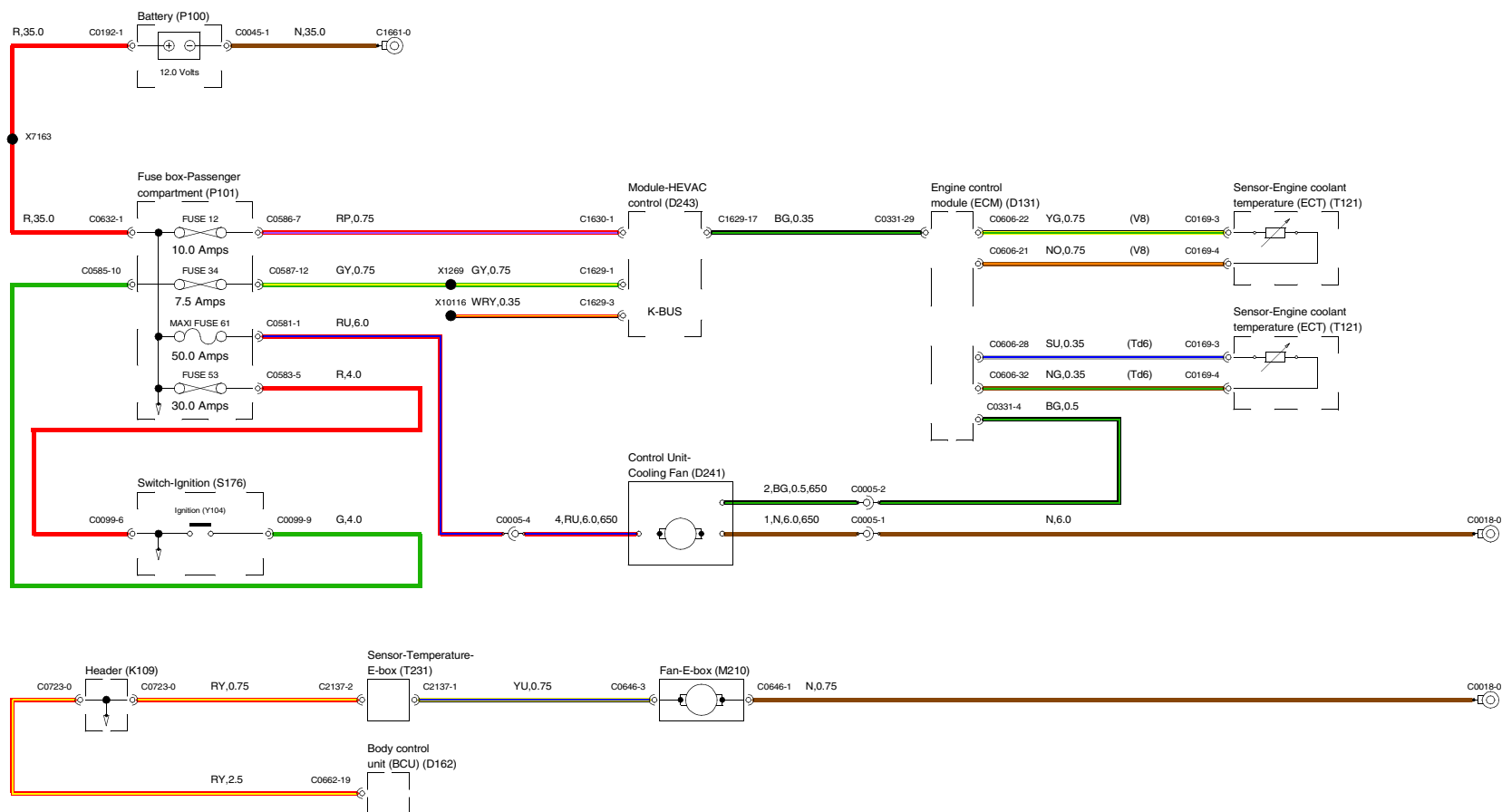


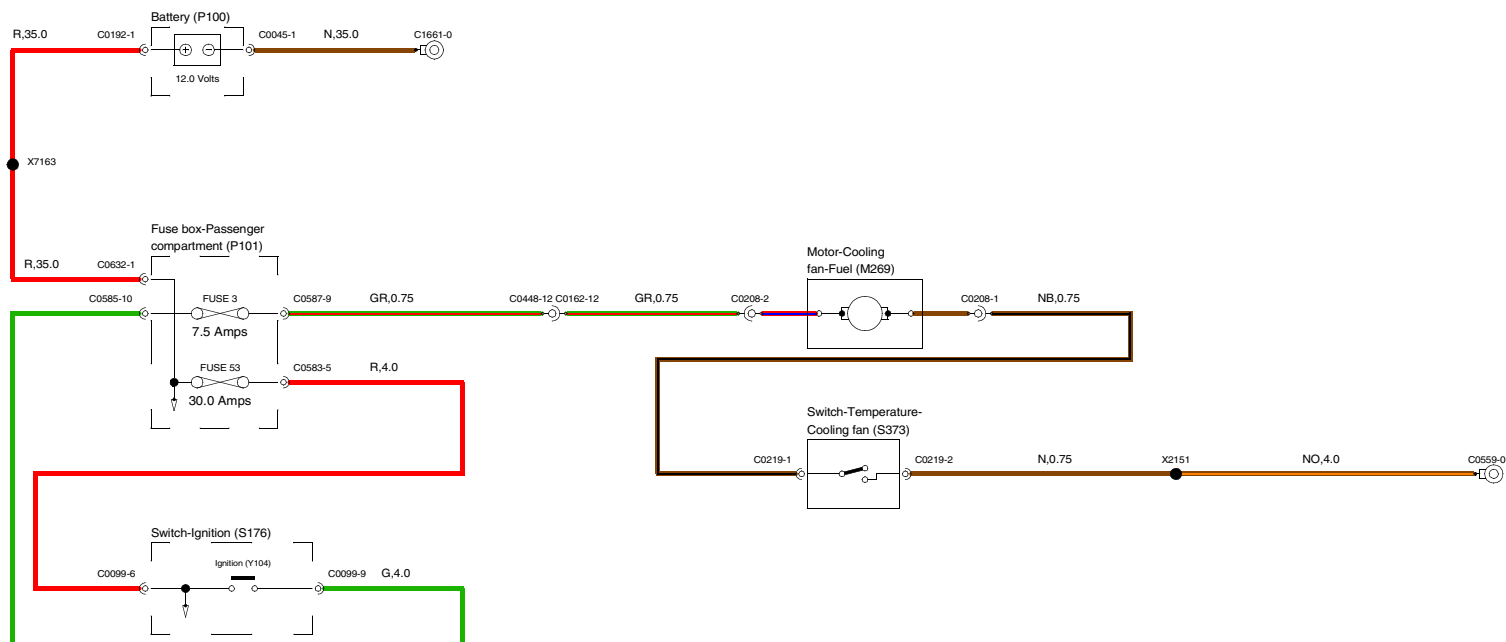
20 FUEL PUMP



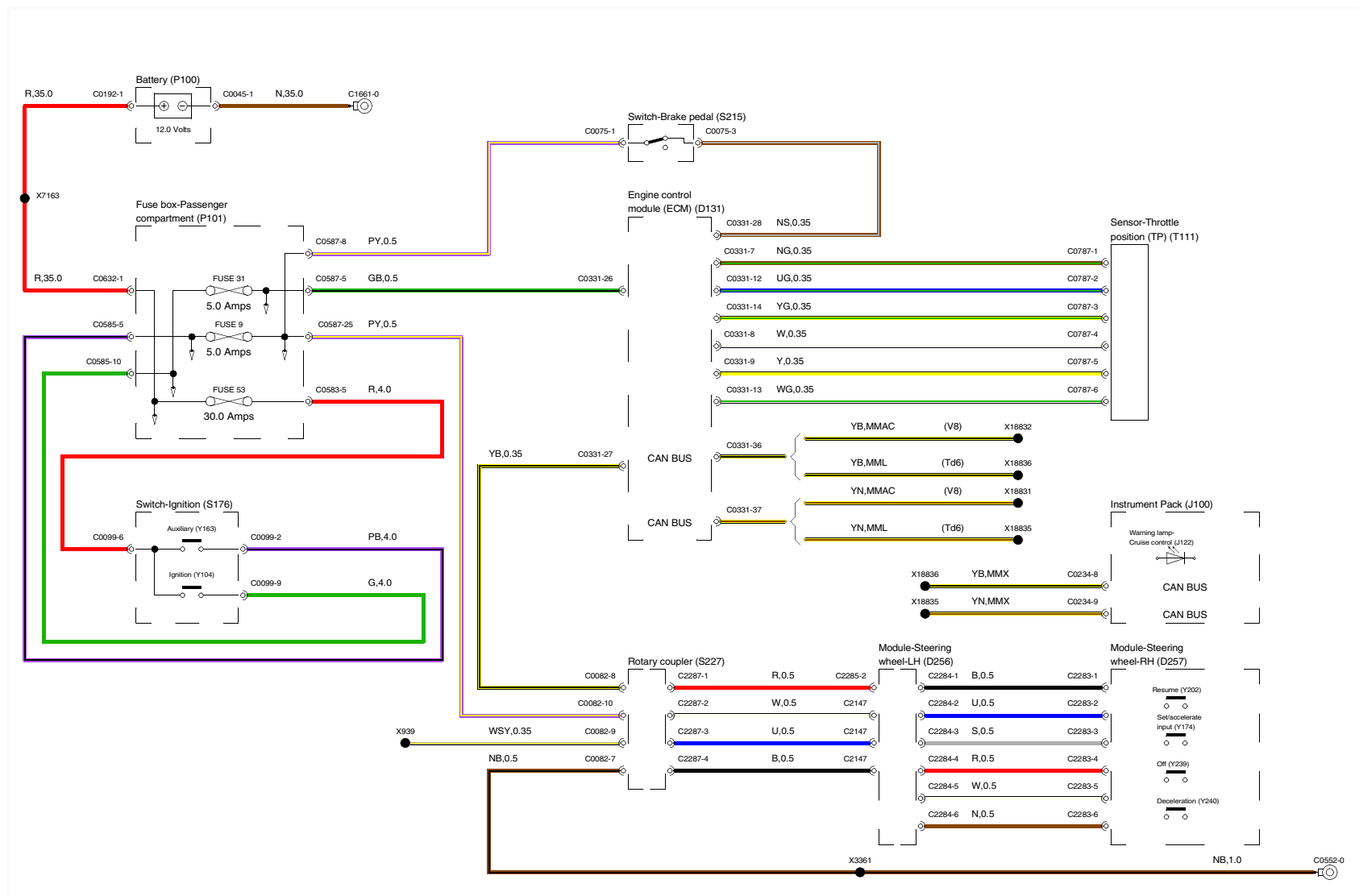
20 SECONDARY AIR INJECTION

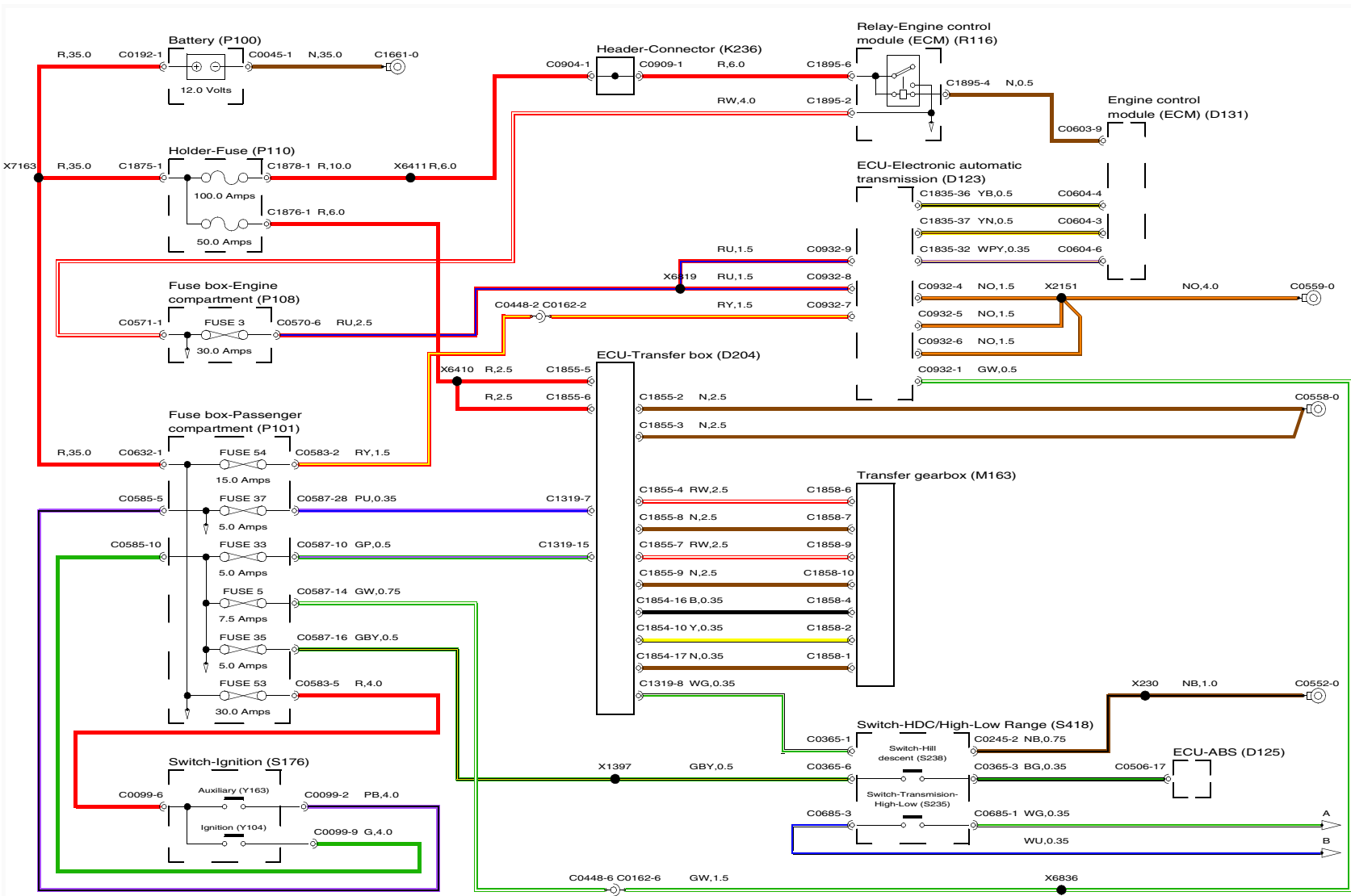


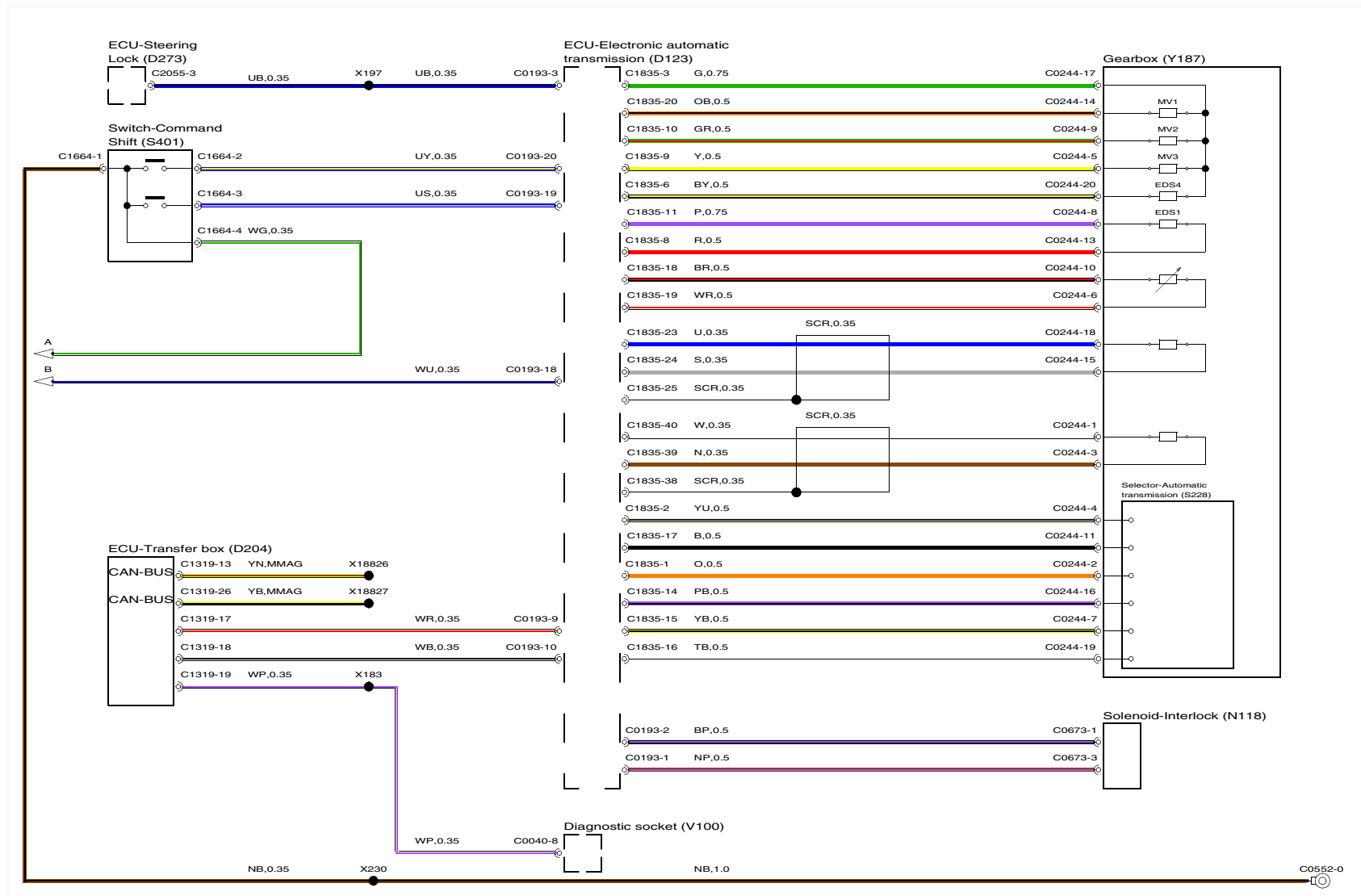


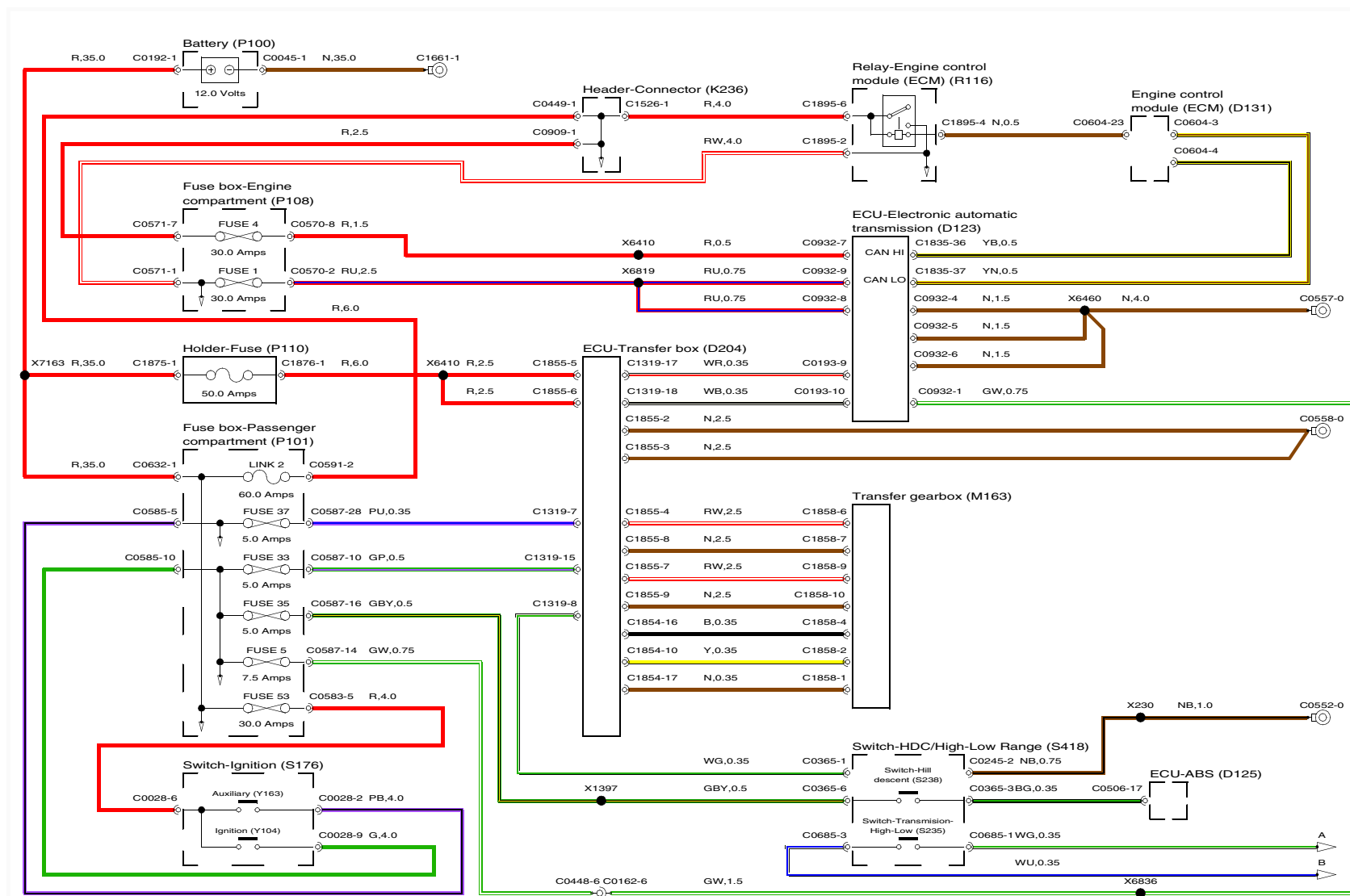


31 CRUISE CONTROL

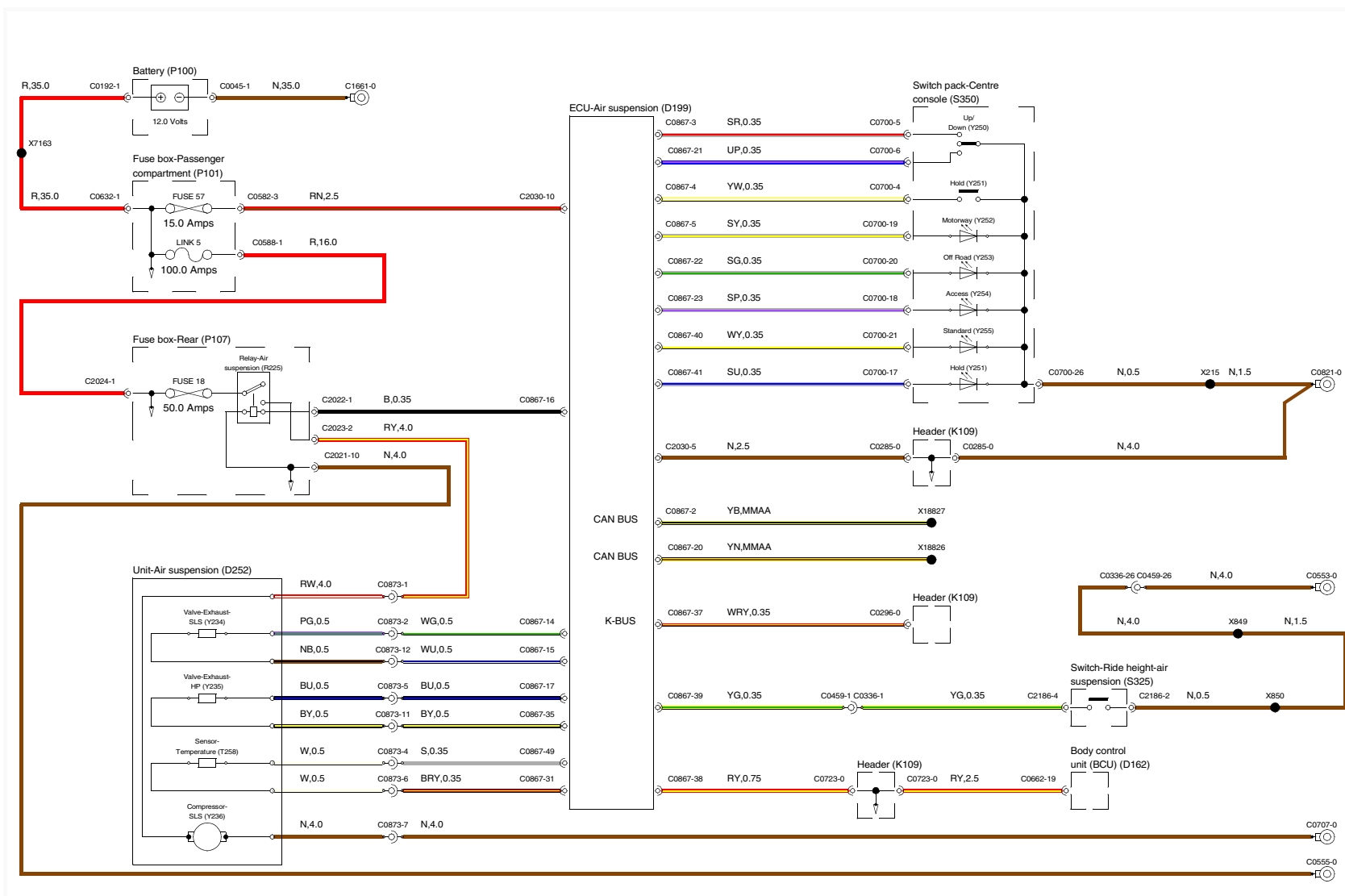


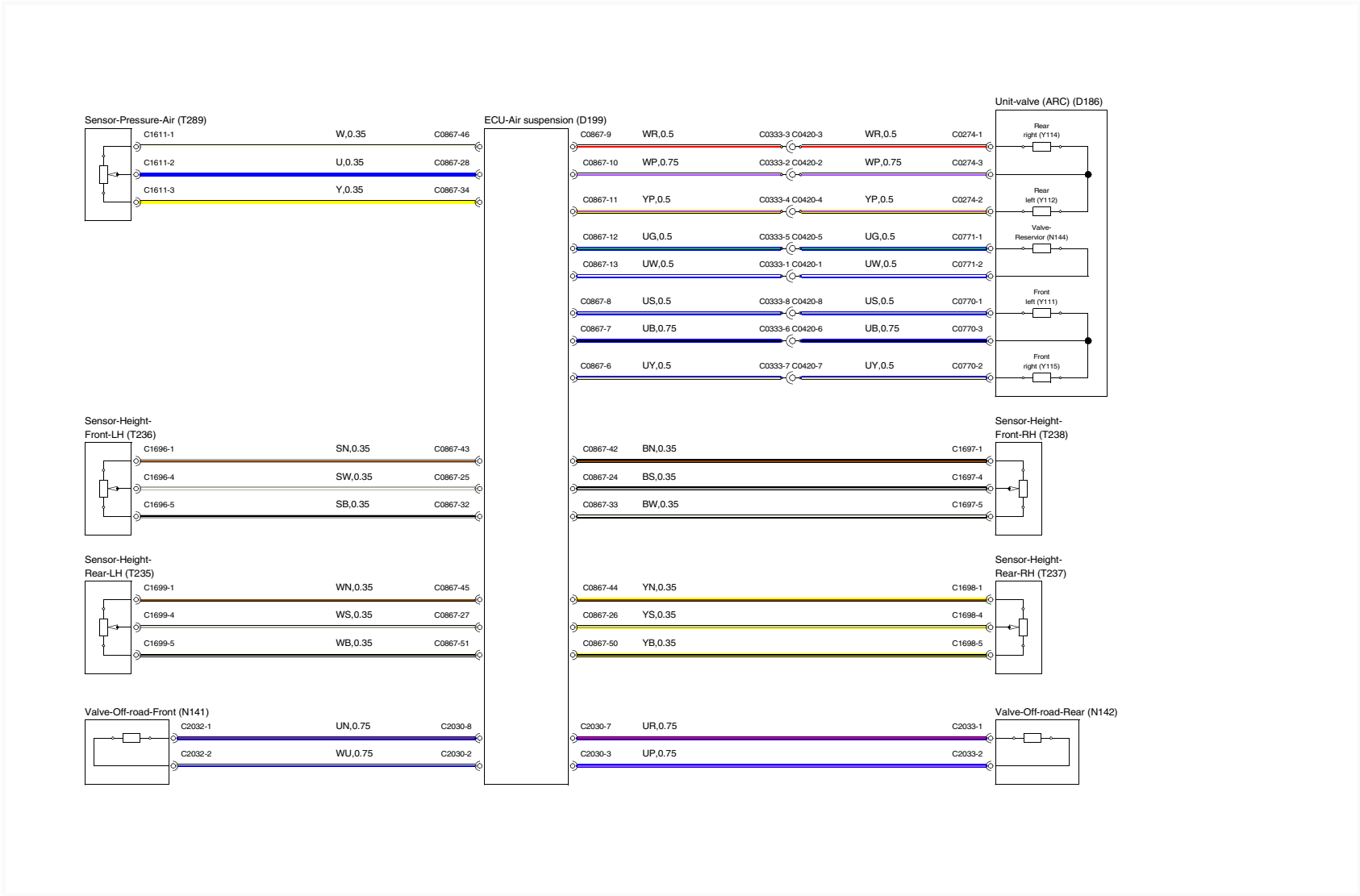




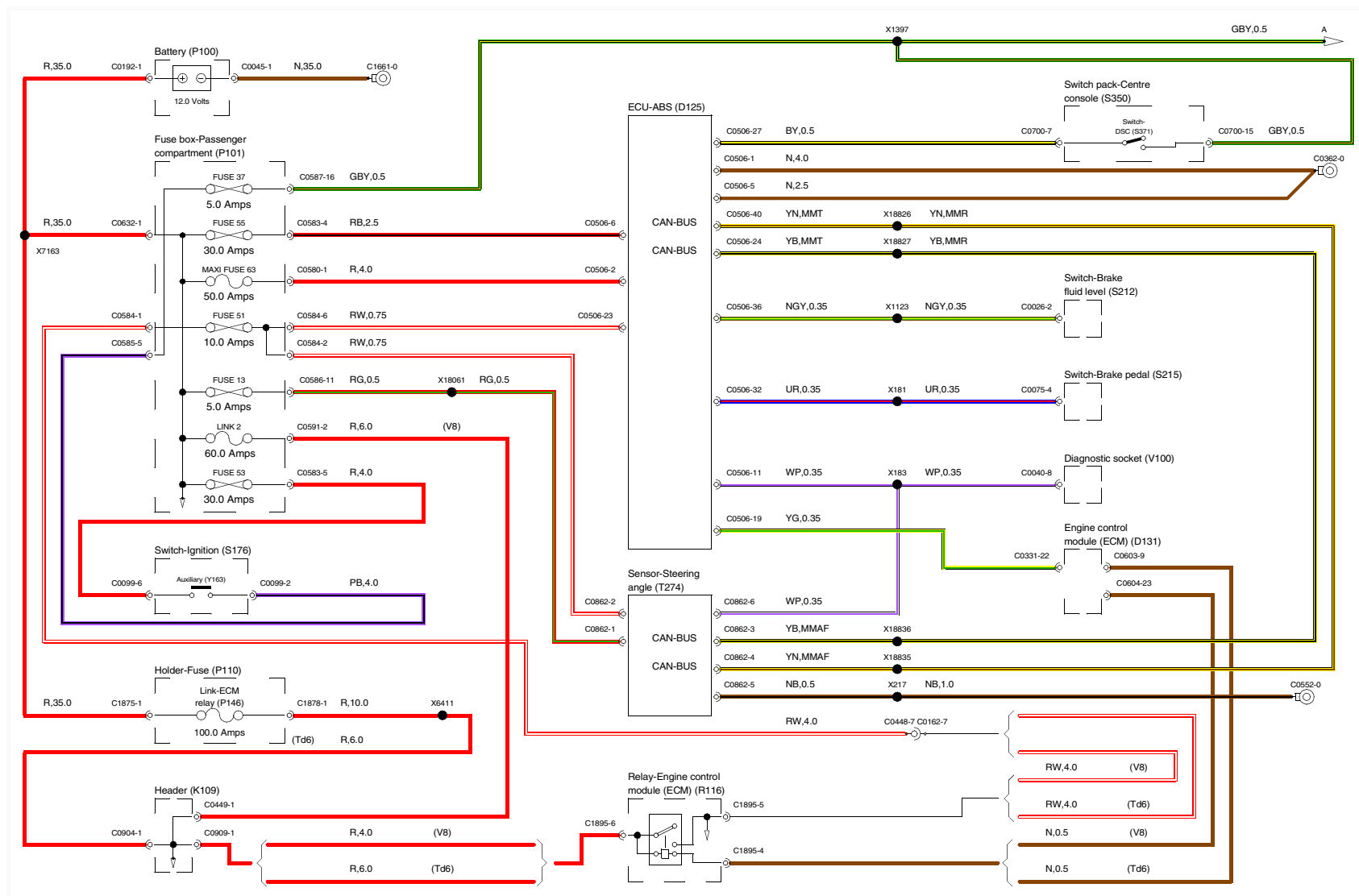


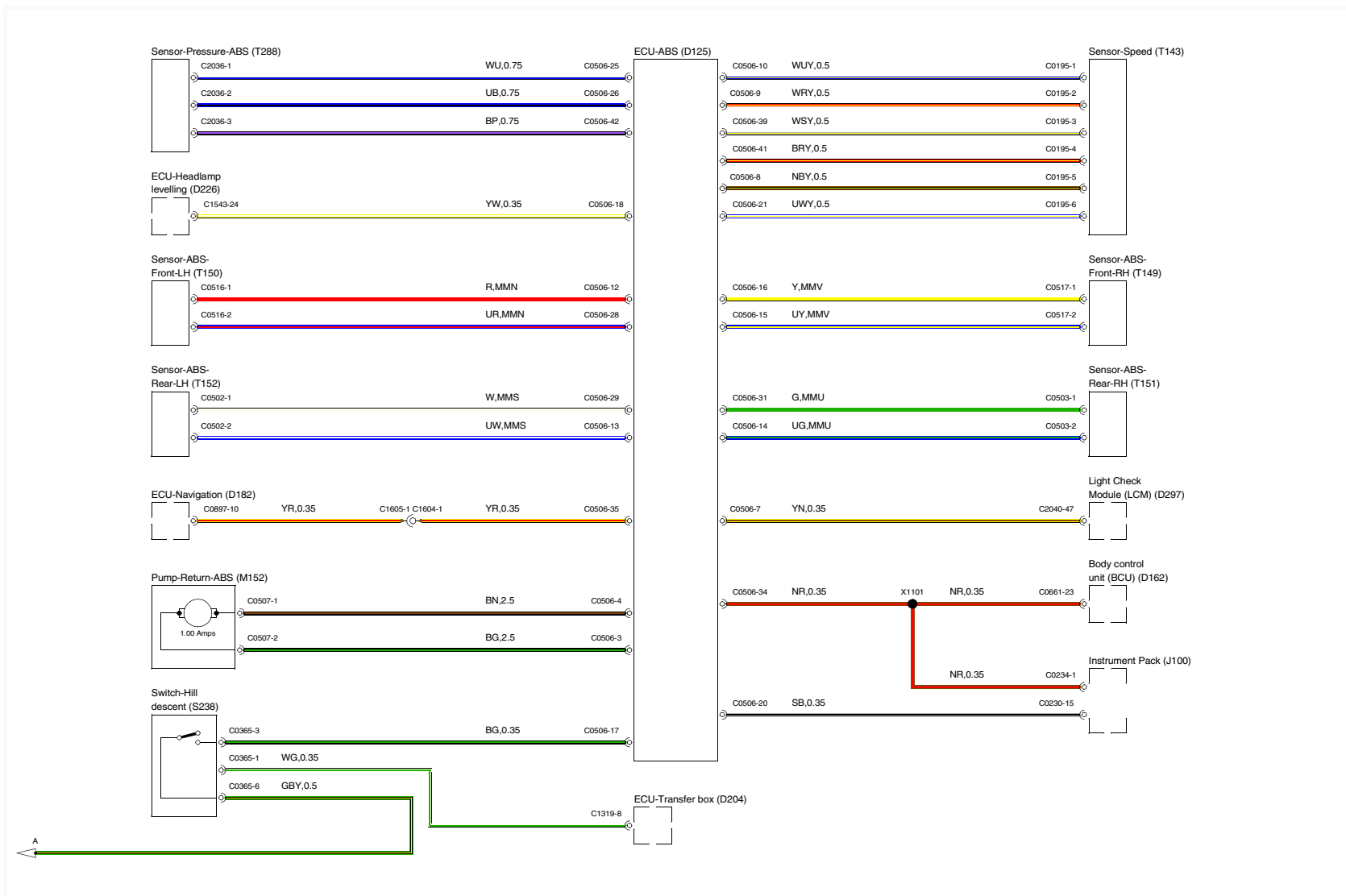




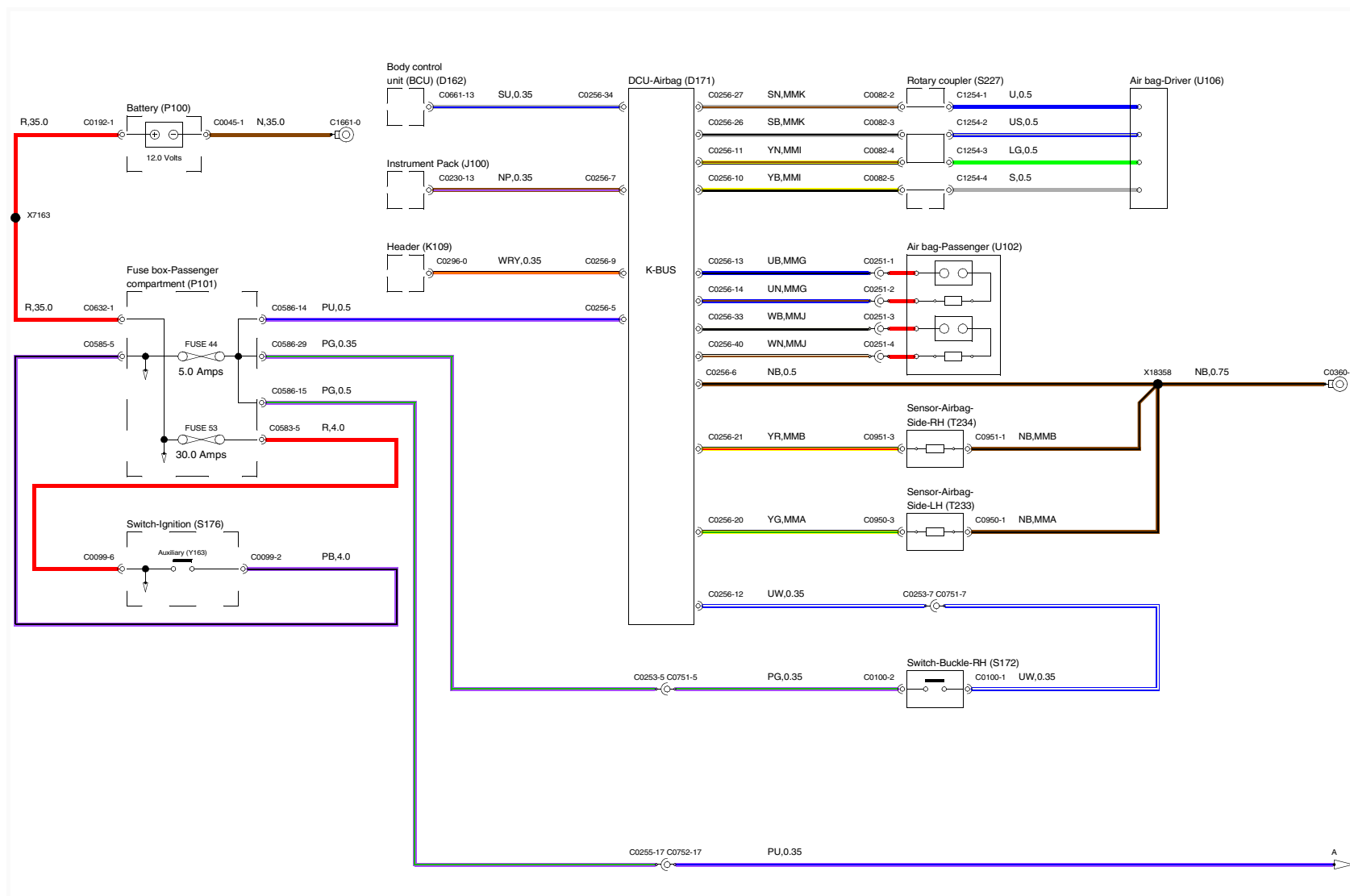


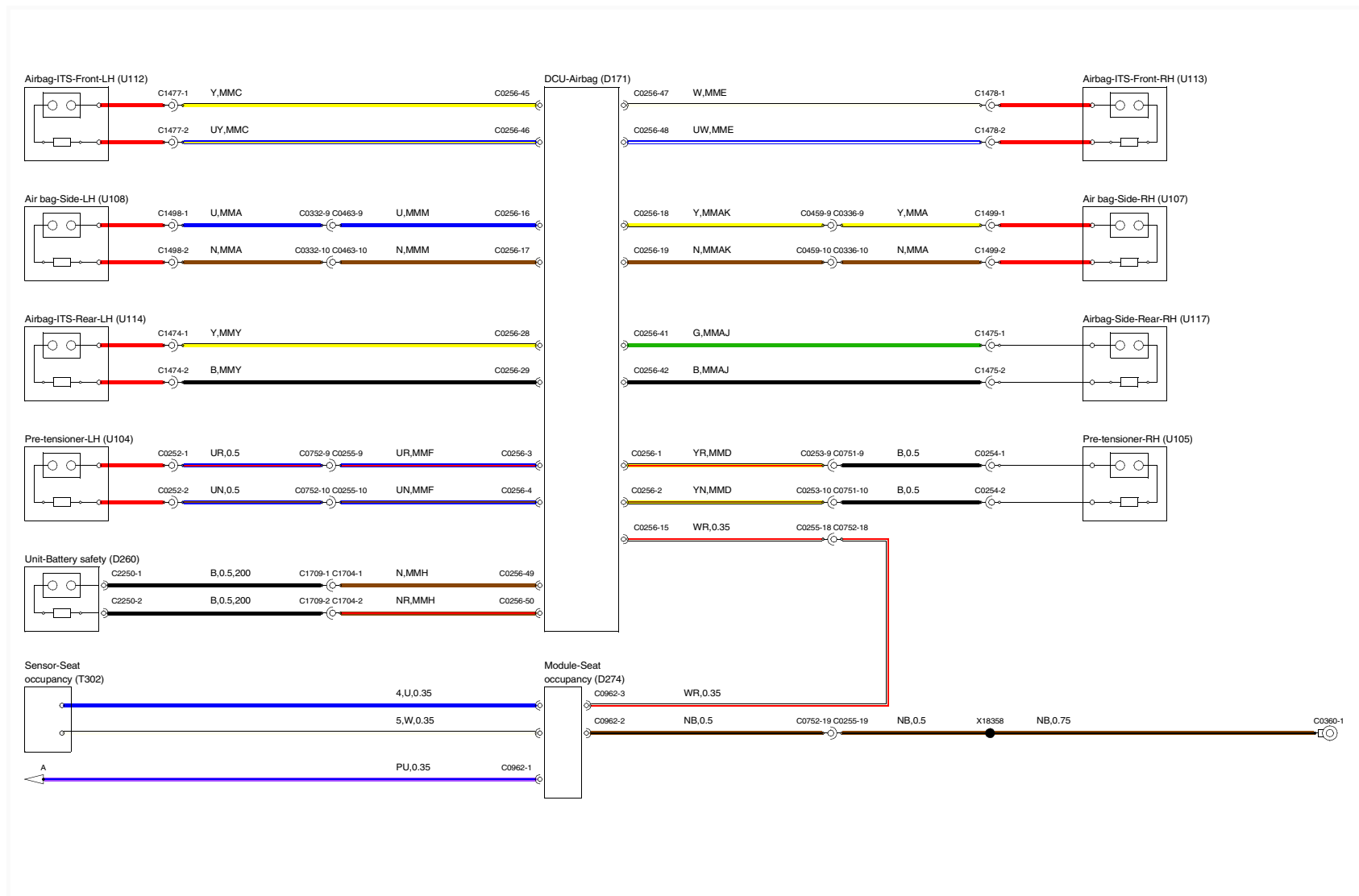
35 ANTI-LOCK BRAKING SYSTEM (ABS)

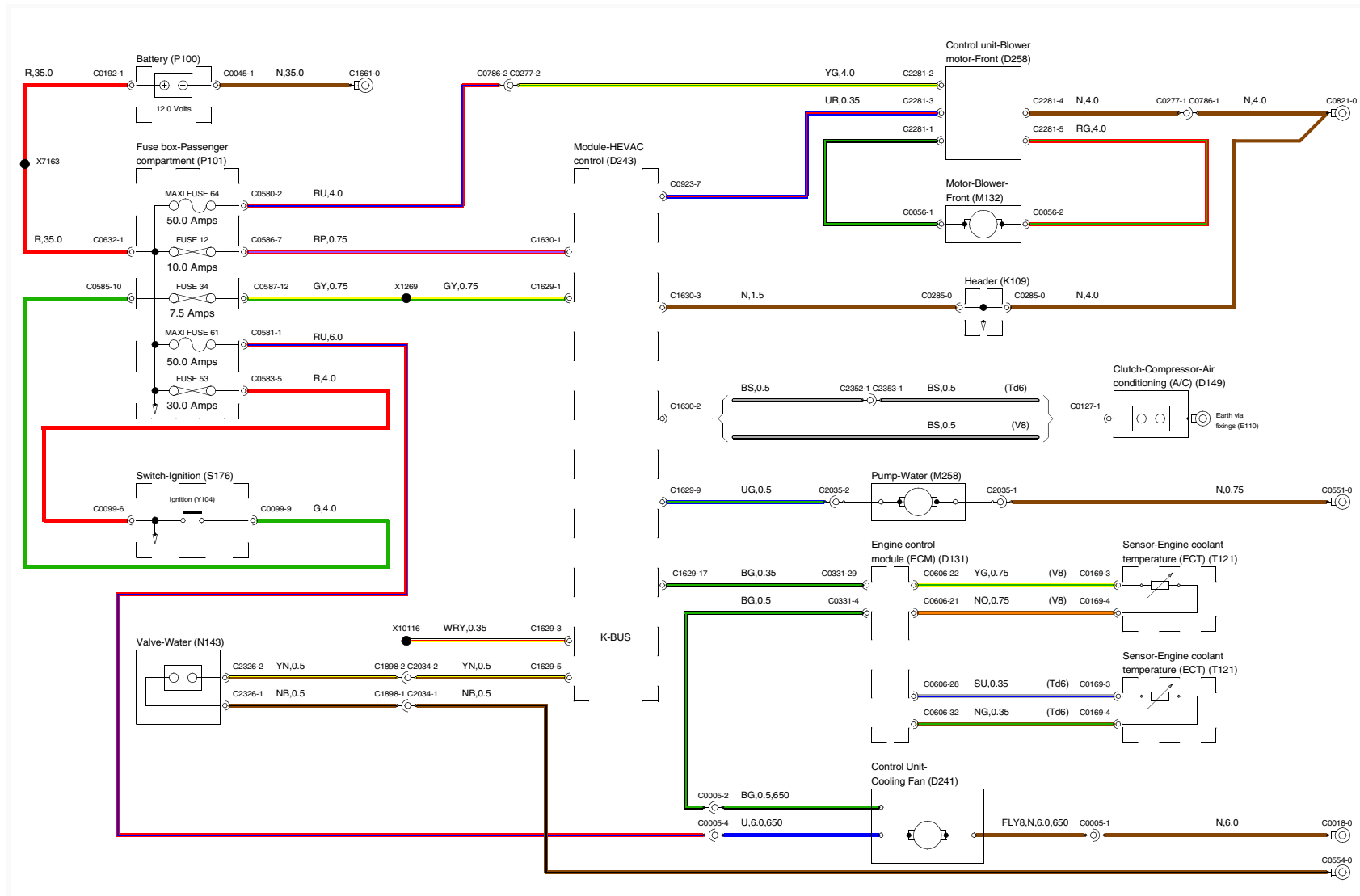


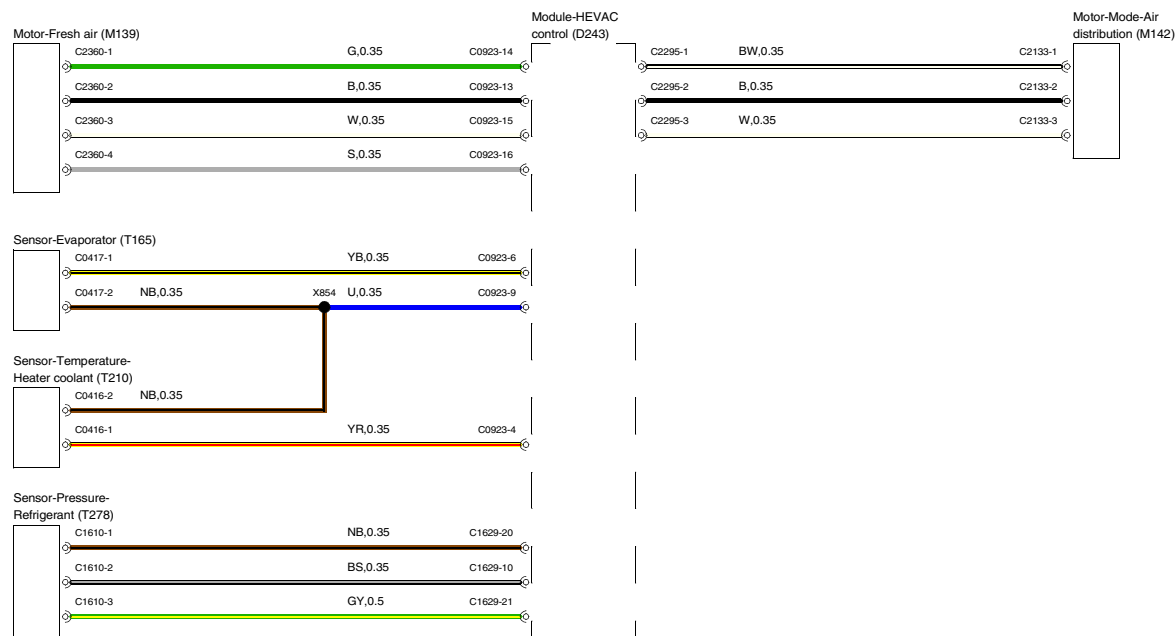


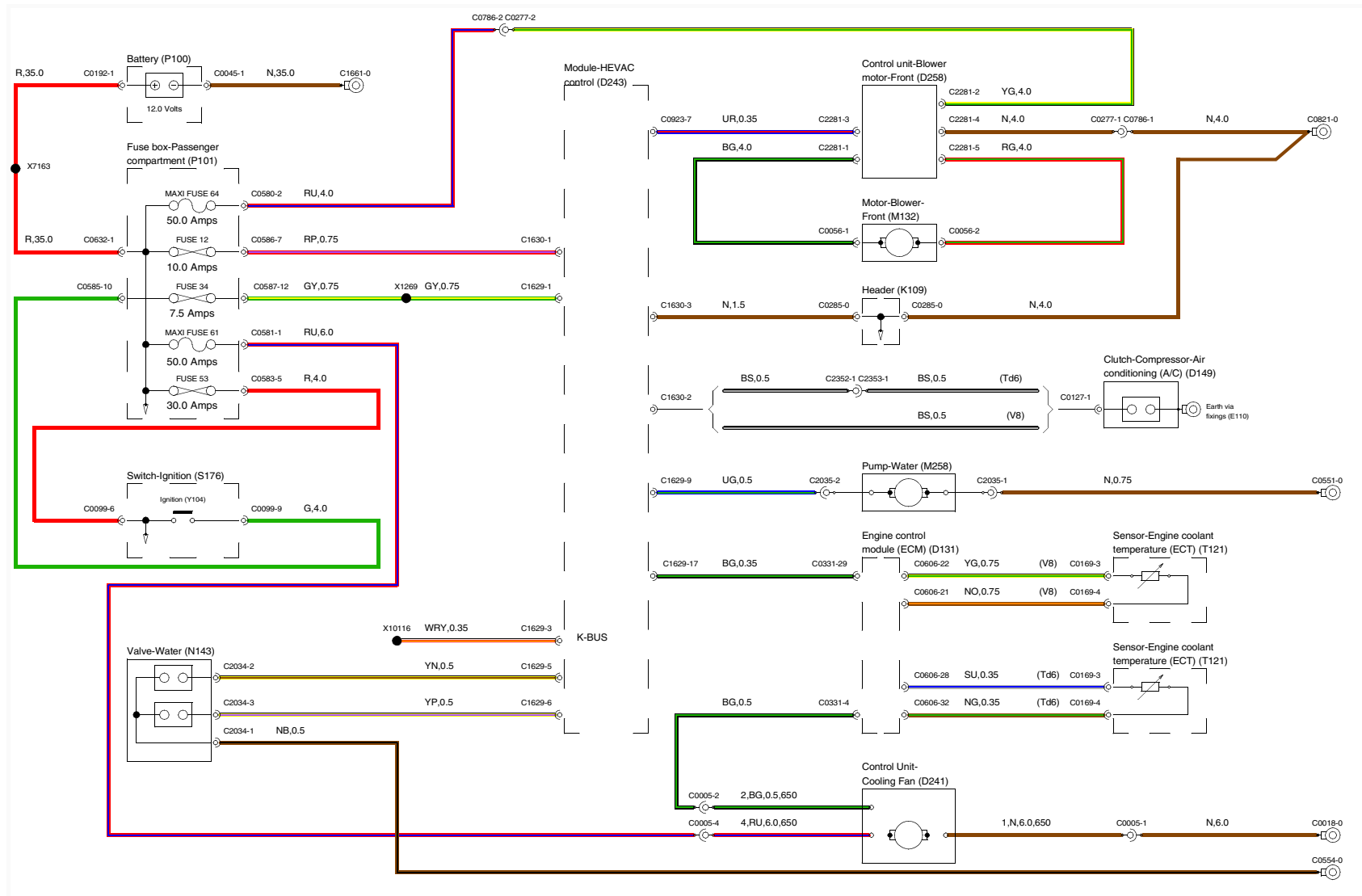
36 SUPPLEMENTARY RESTRAINT SYSTEM (SRS)

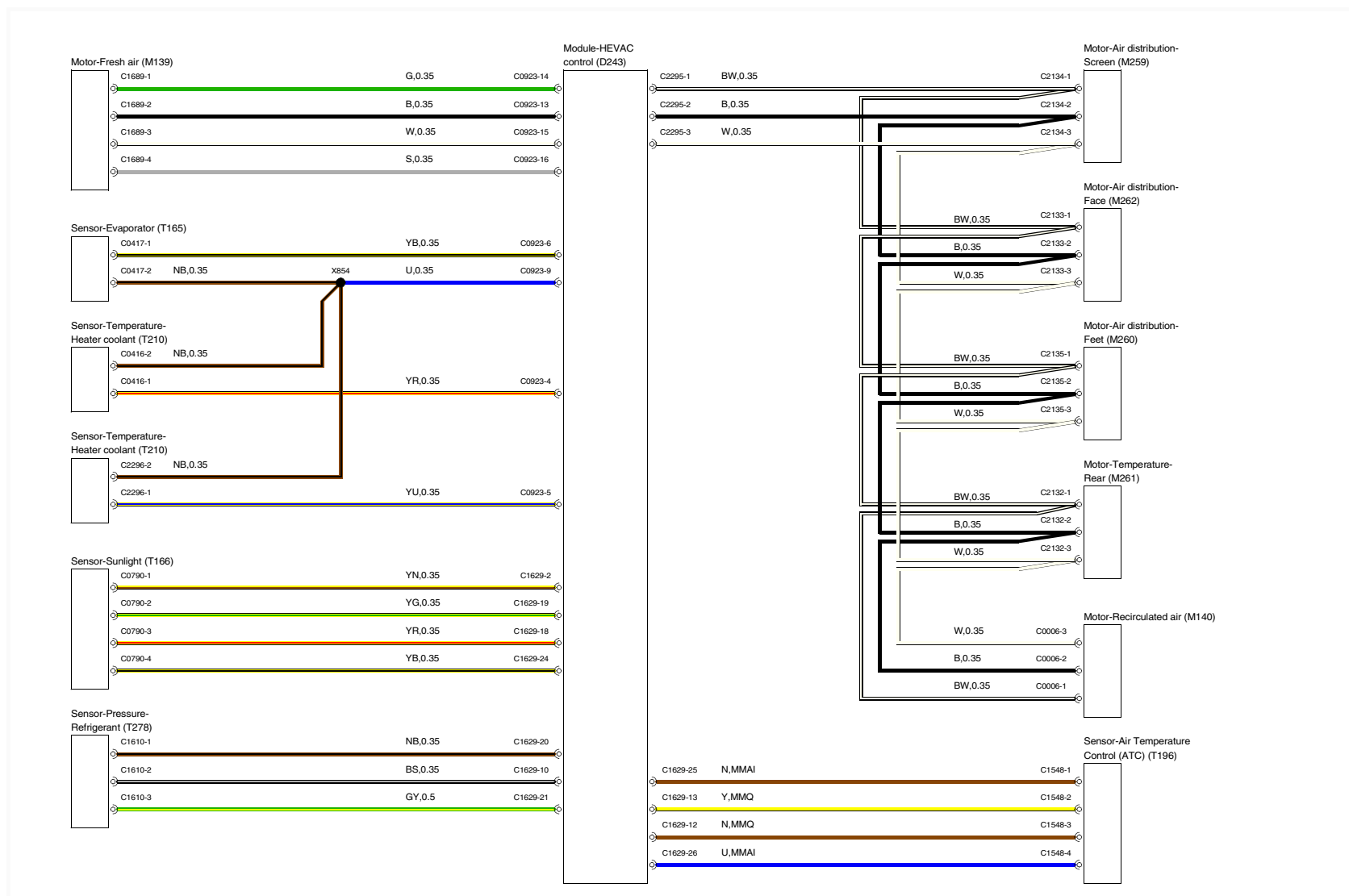


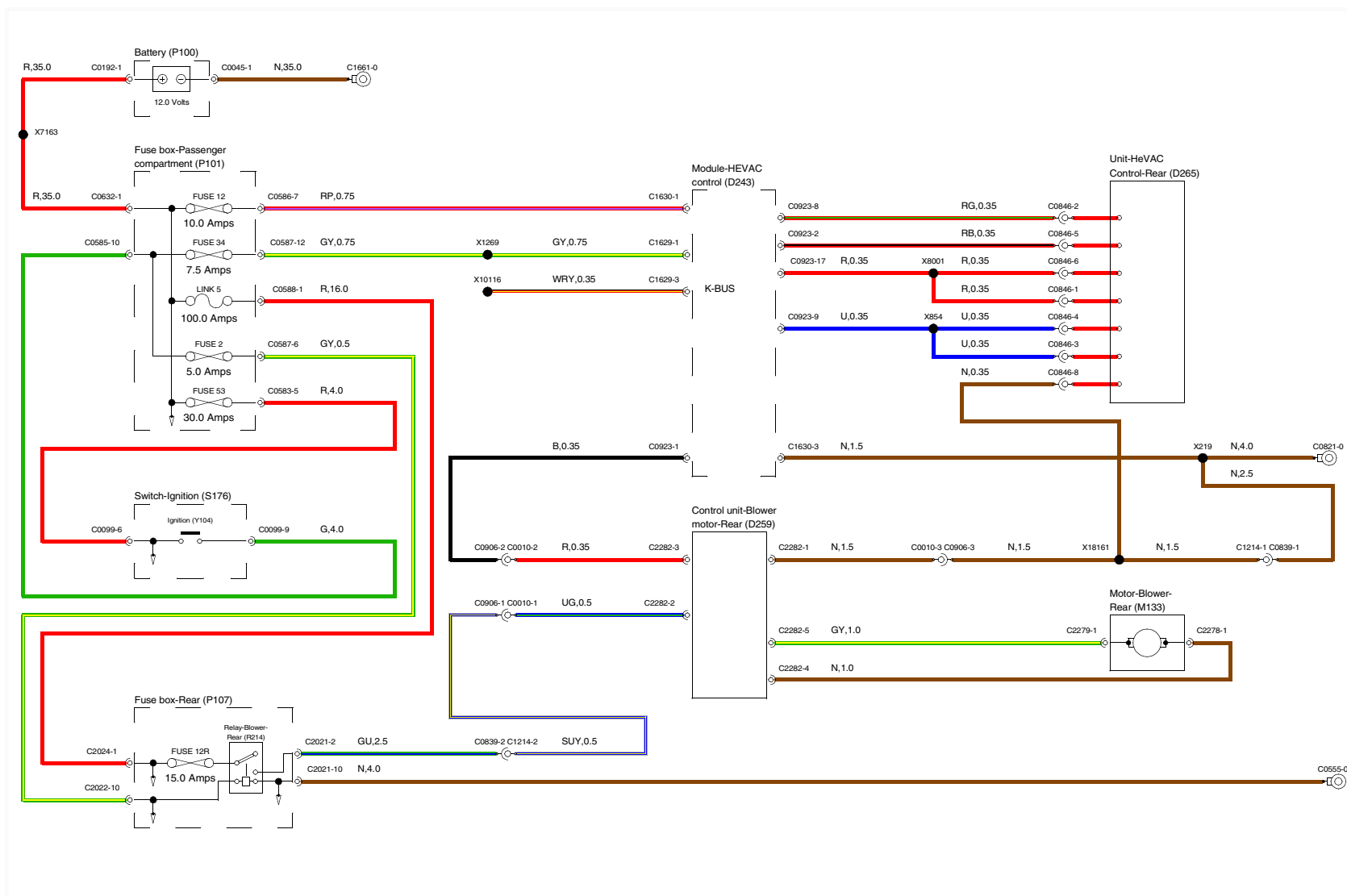


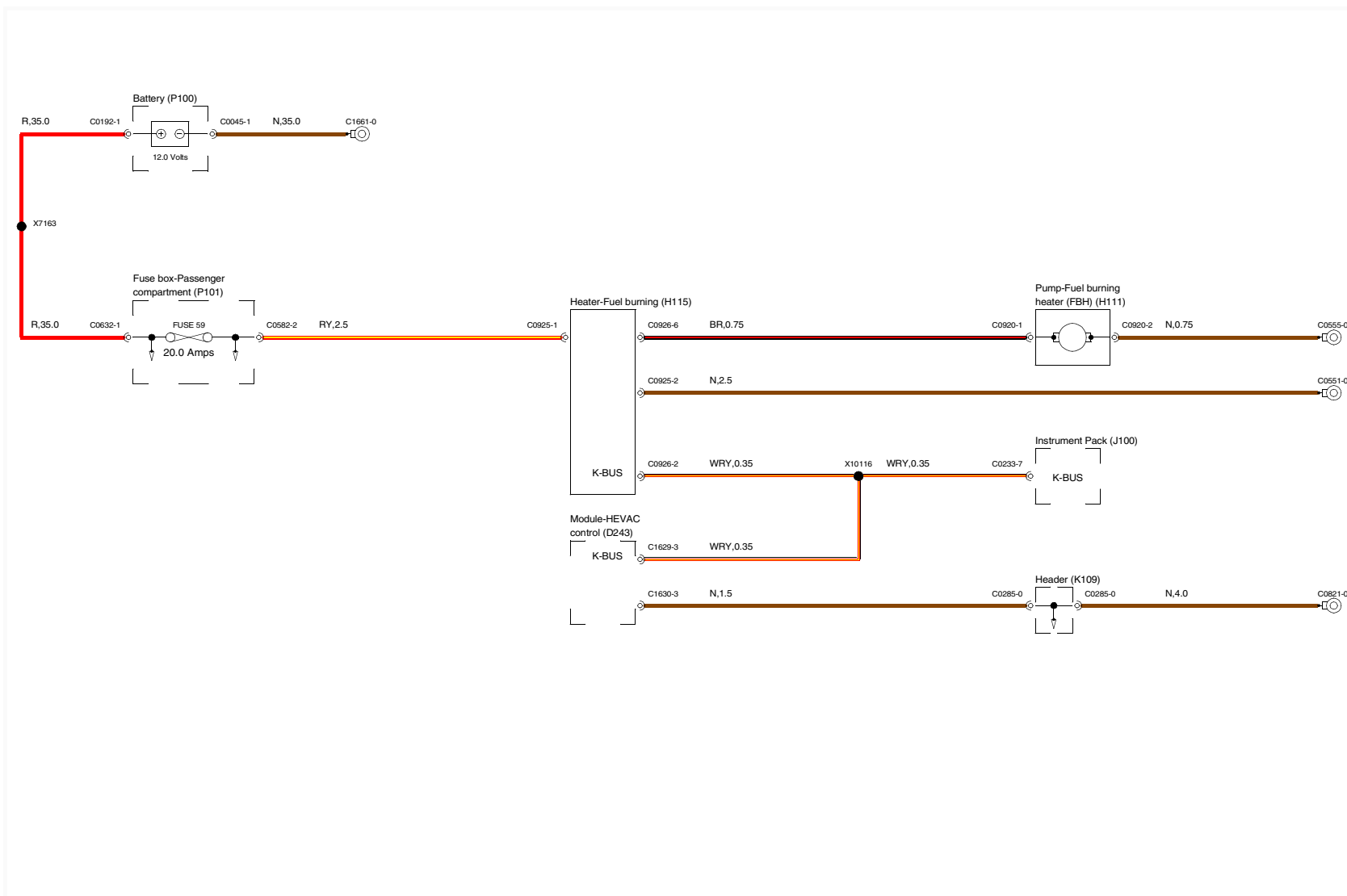


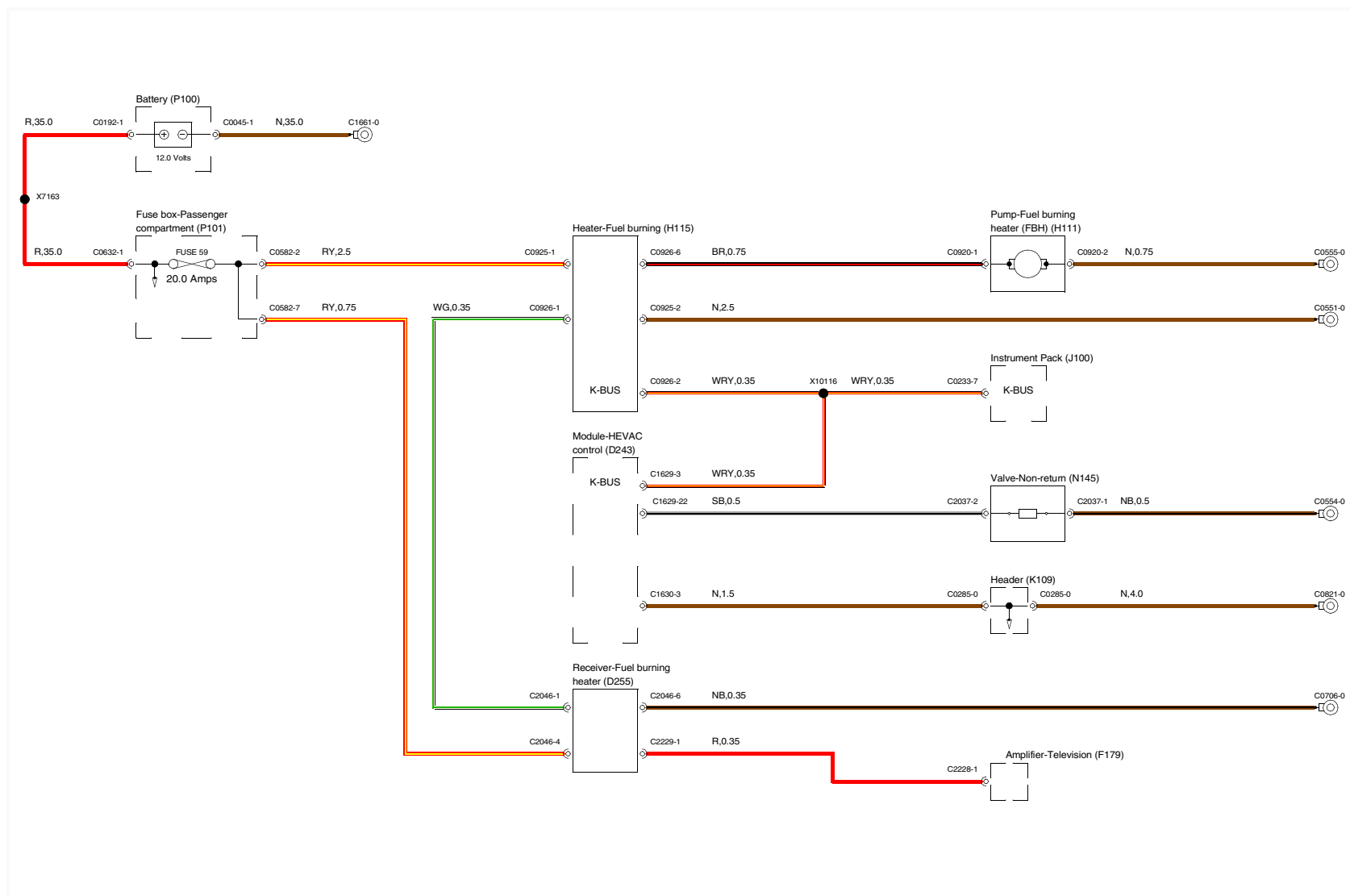




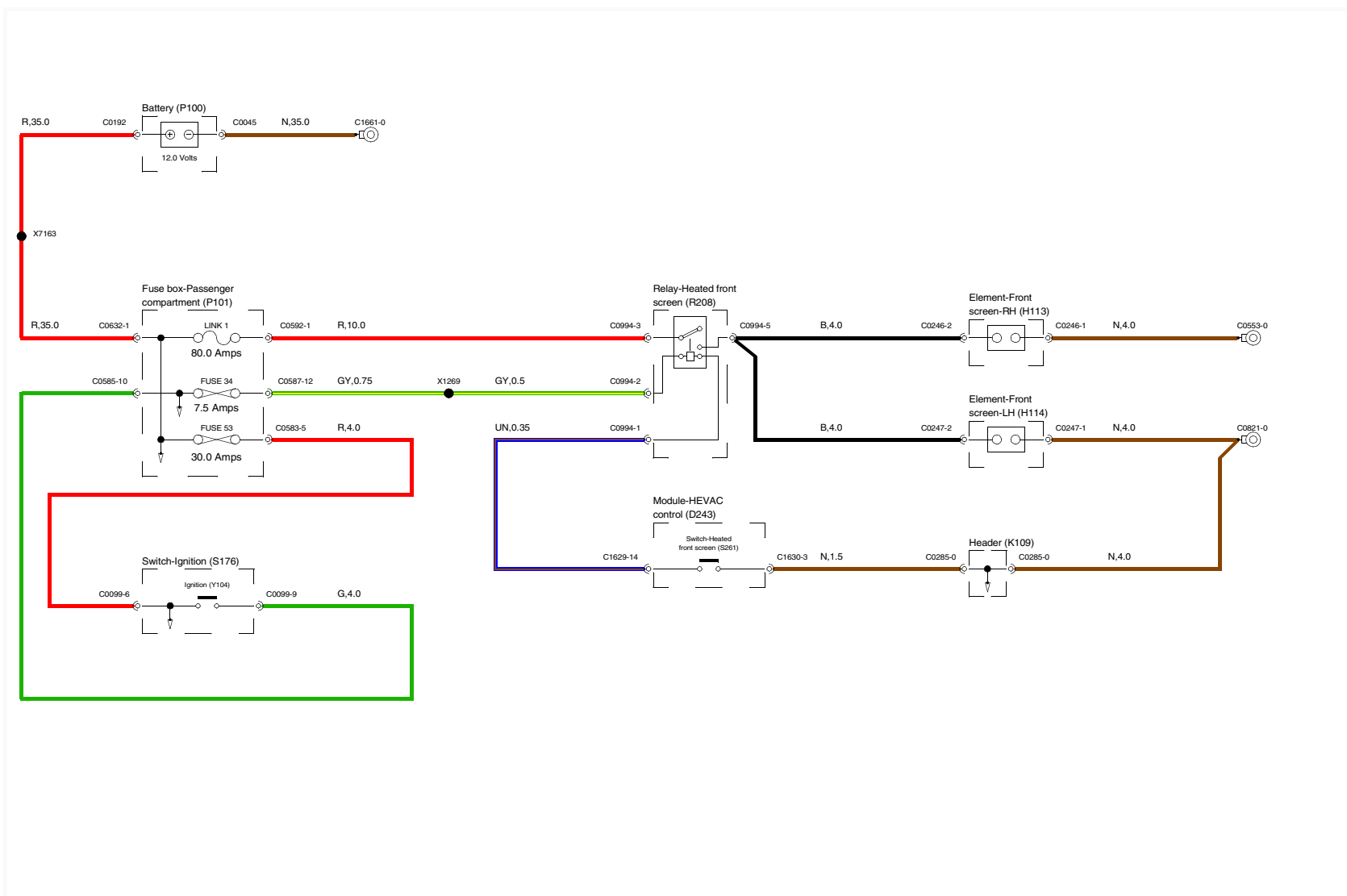




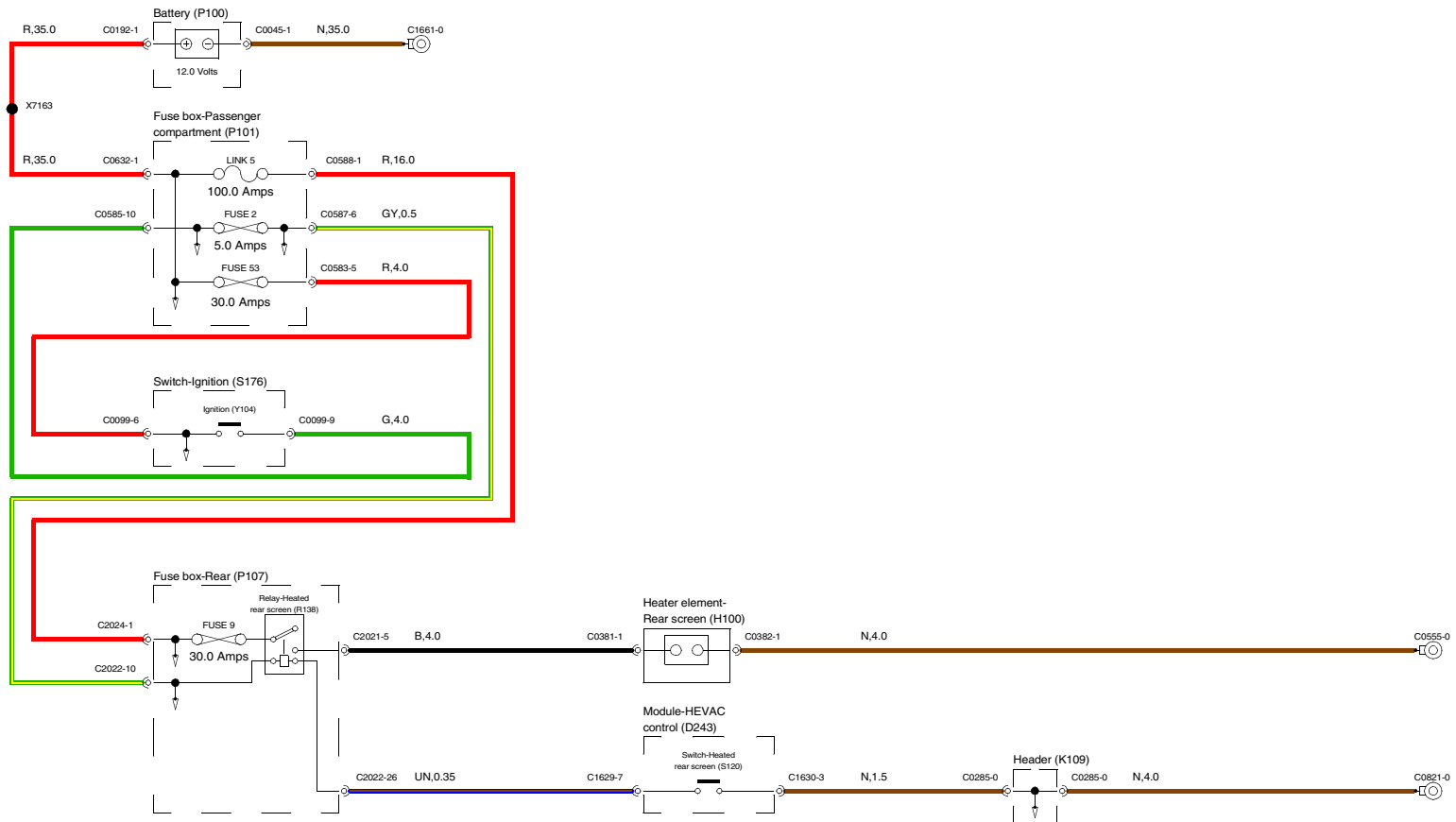


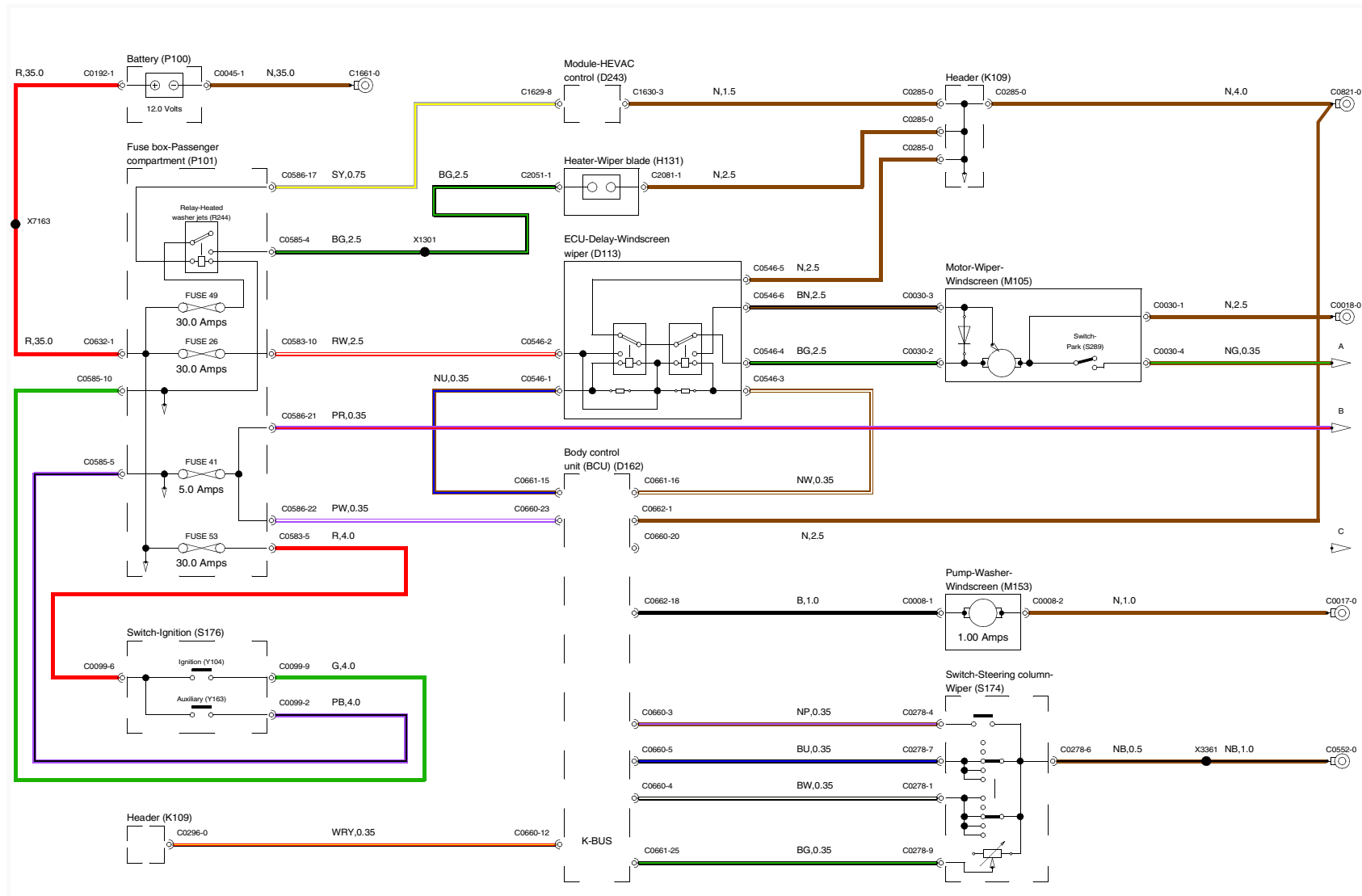


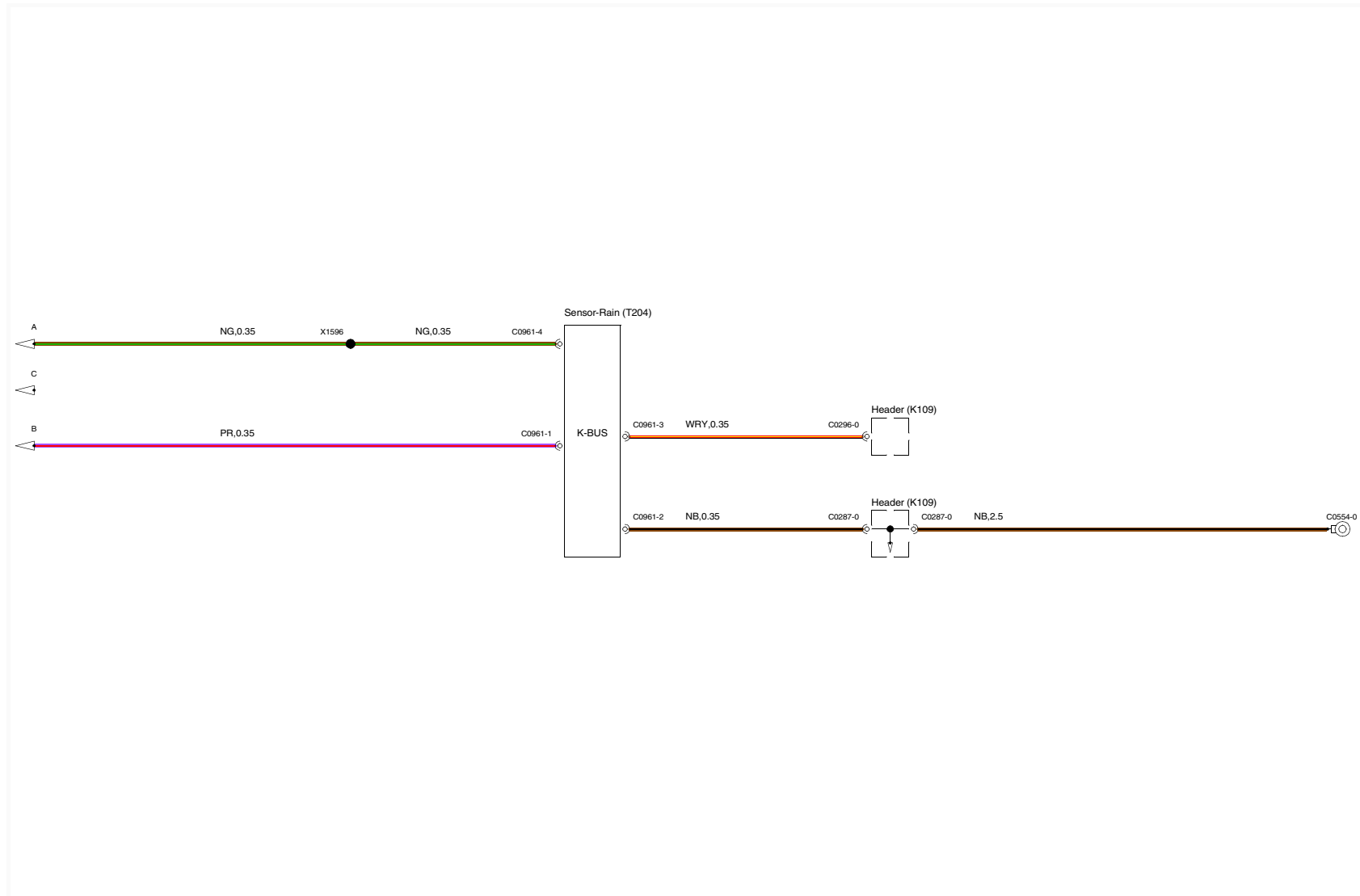
40 HEATED FRONT SCREEN

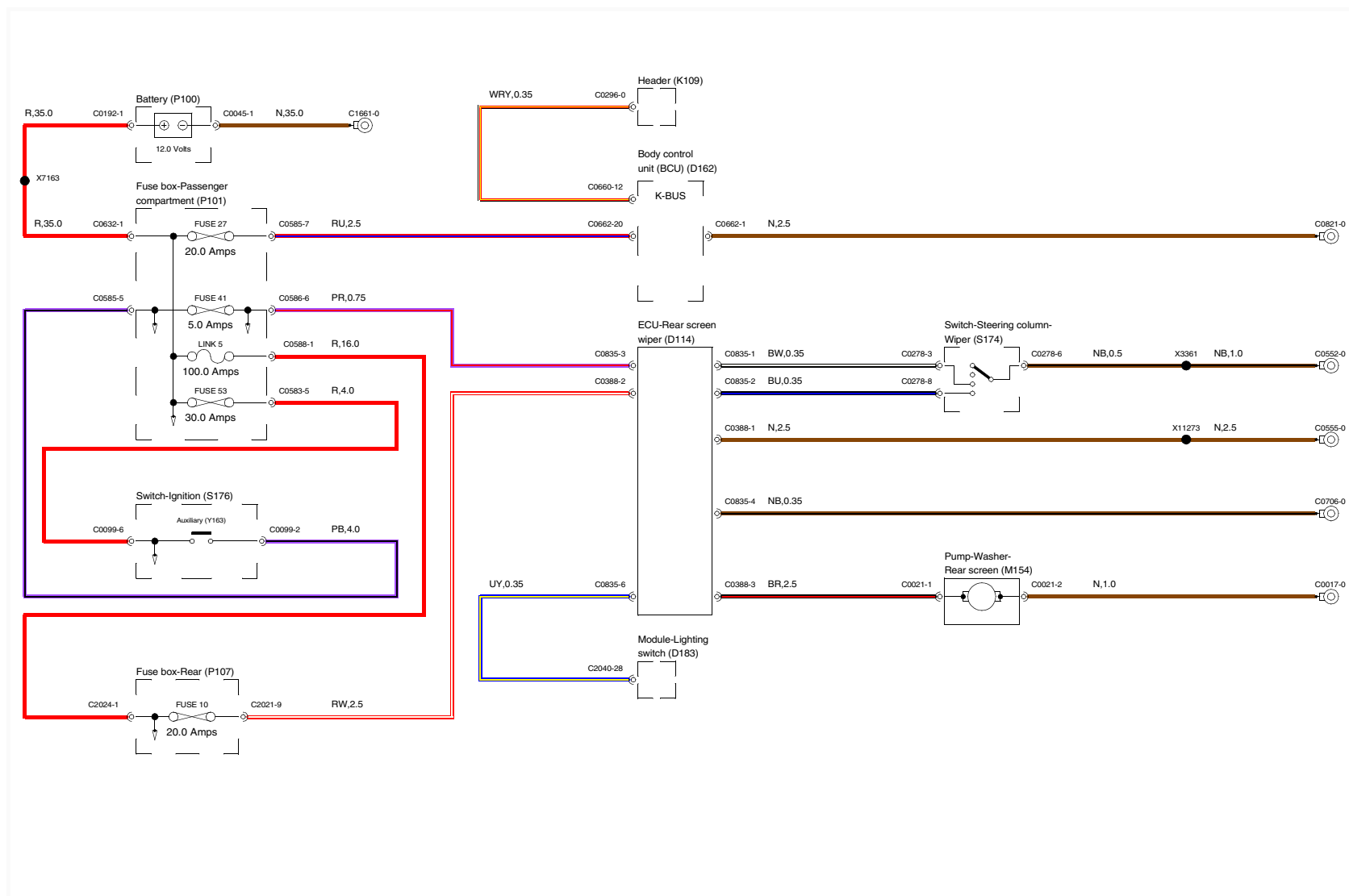


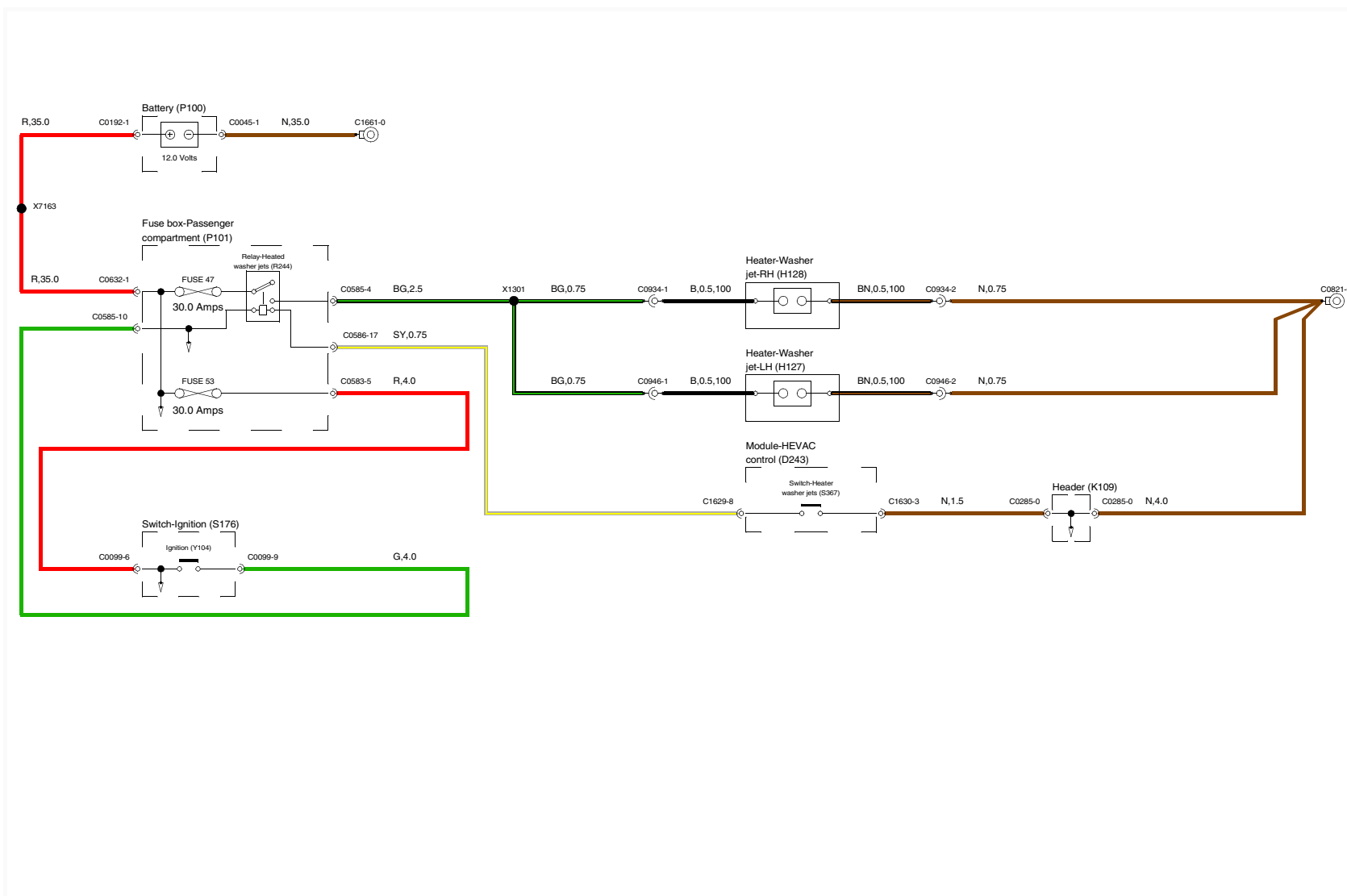
40 HEATED REAR SCREEN

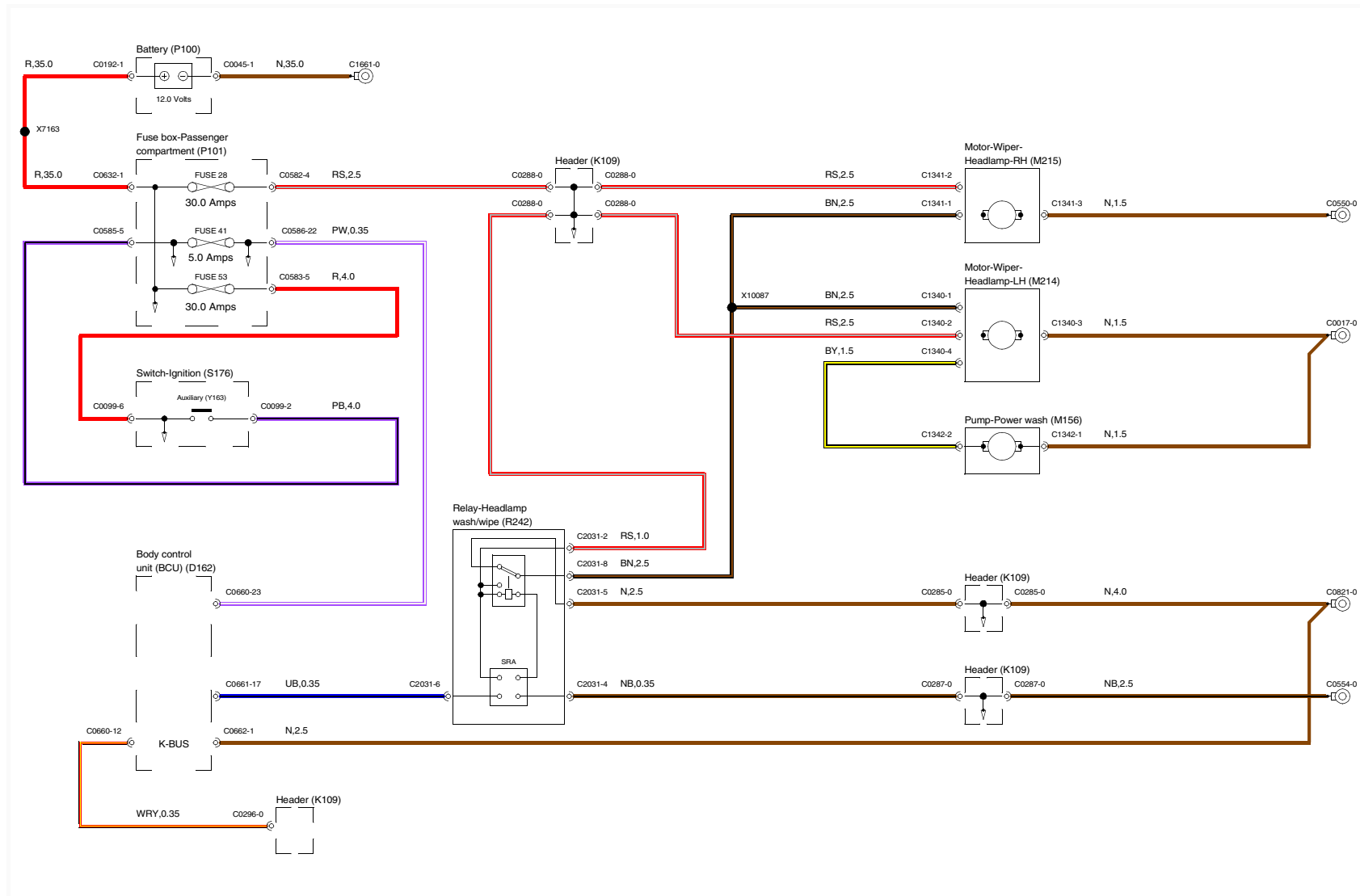


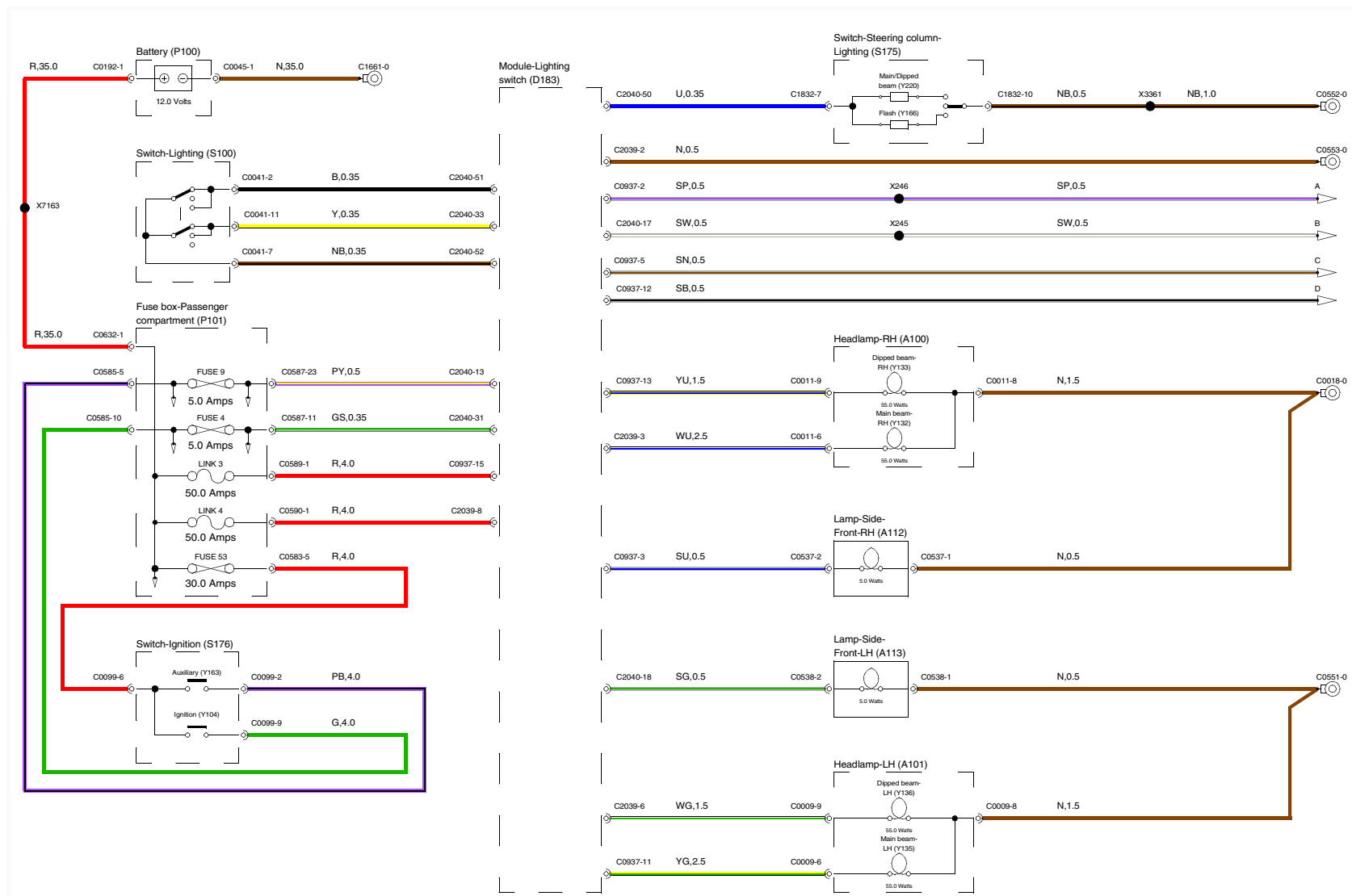


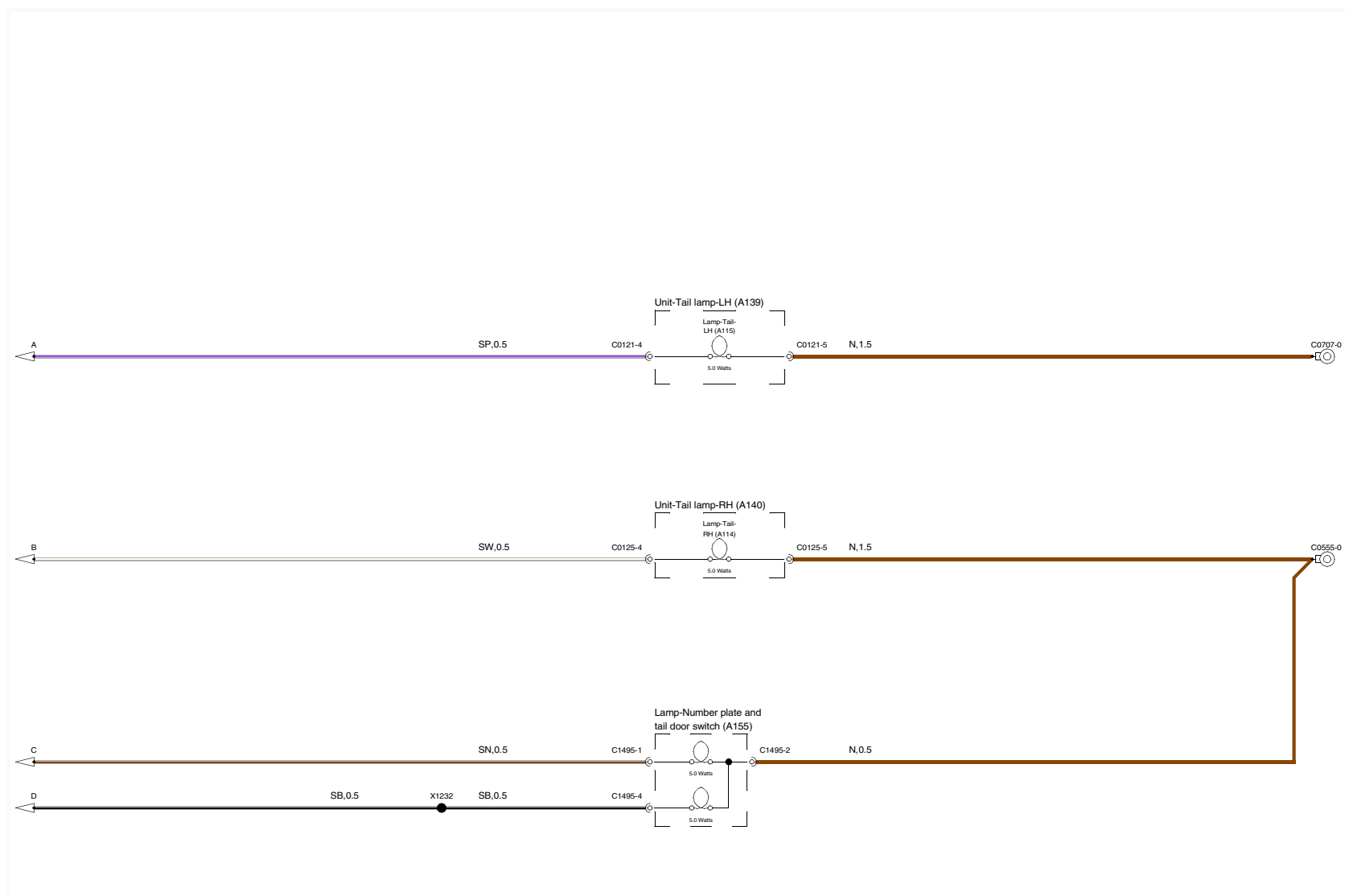


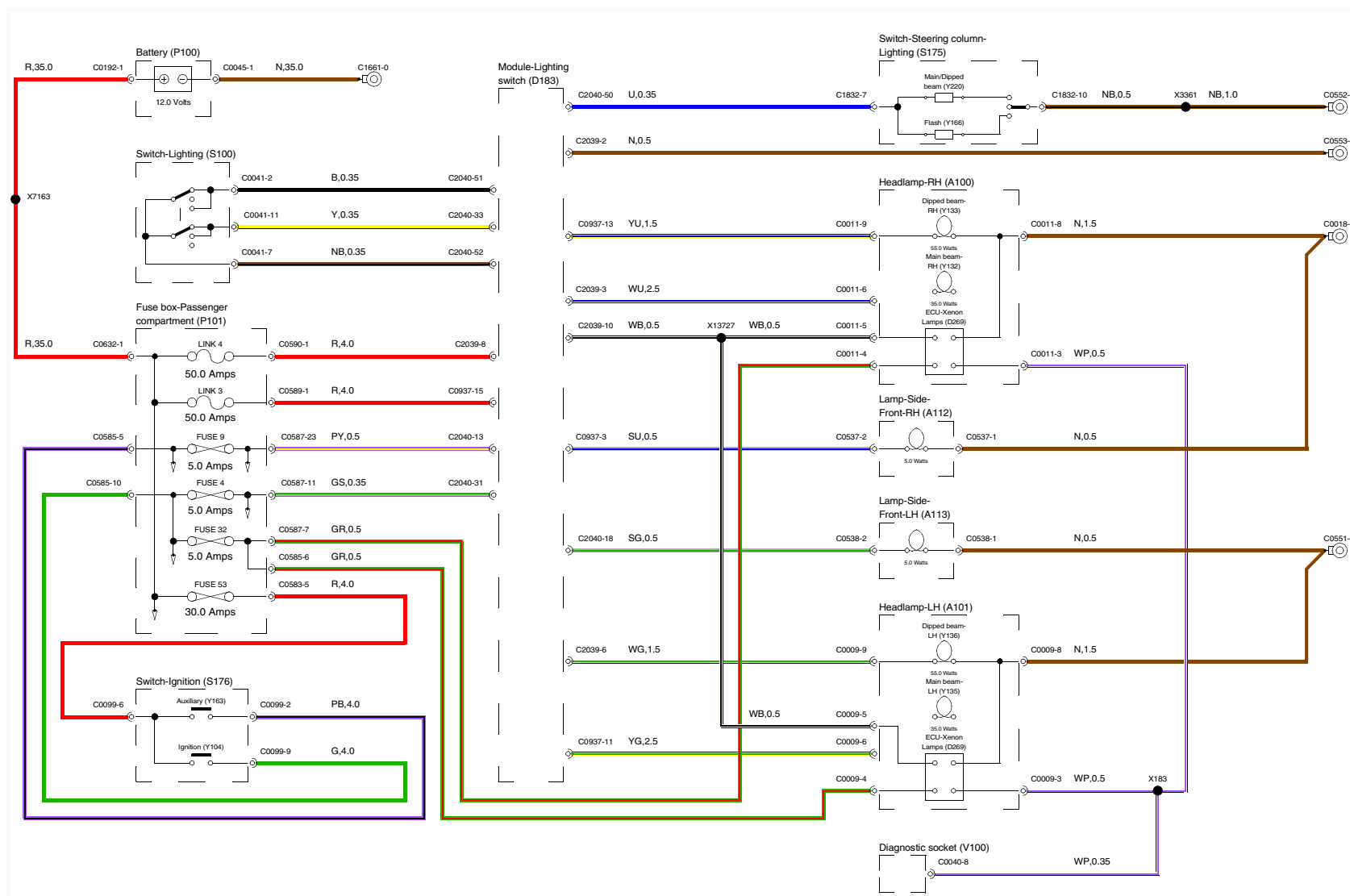


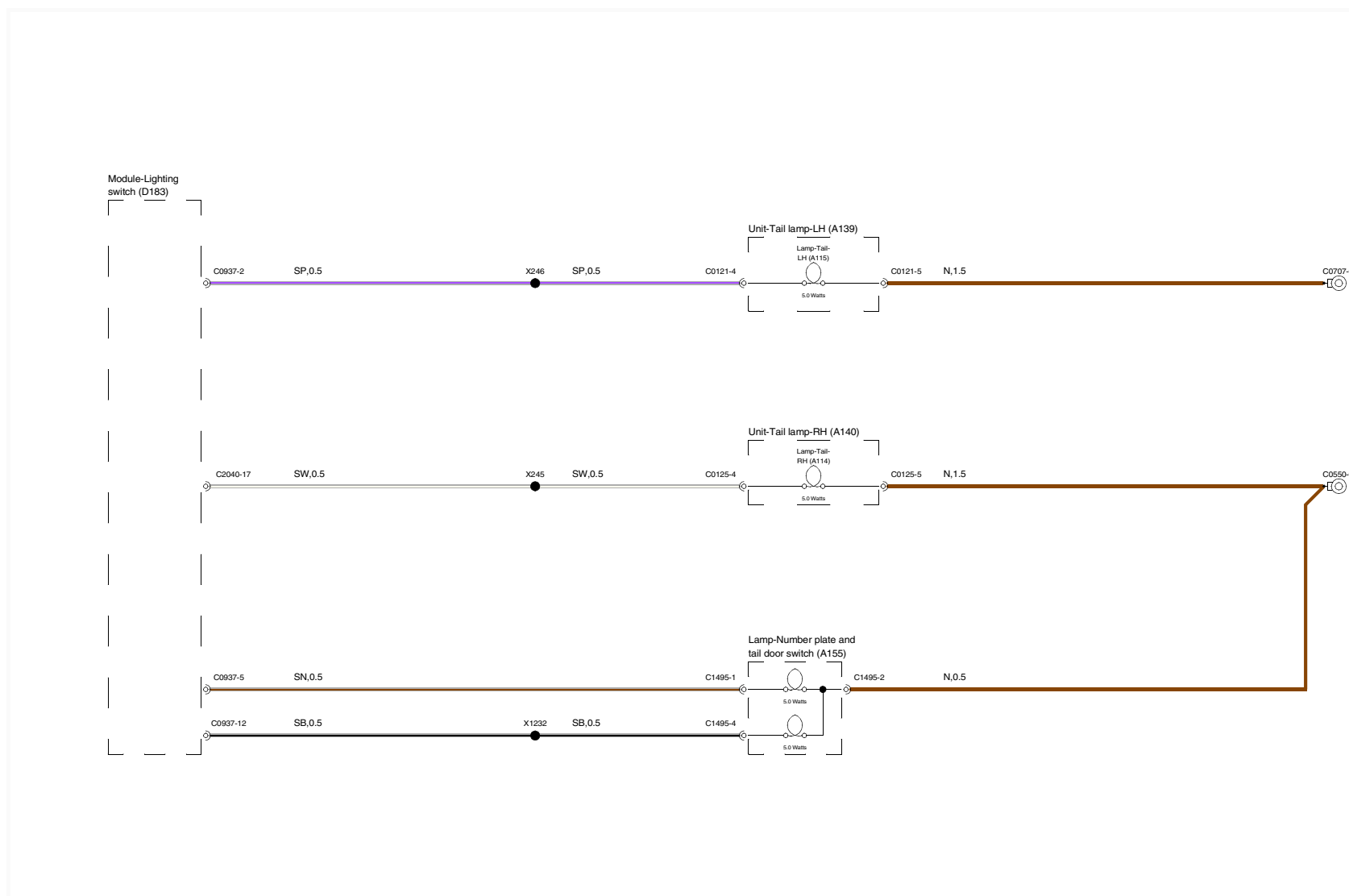


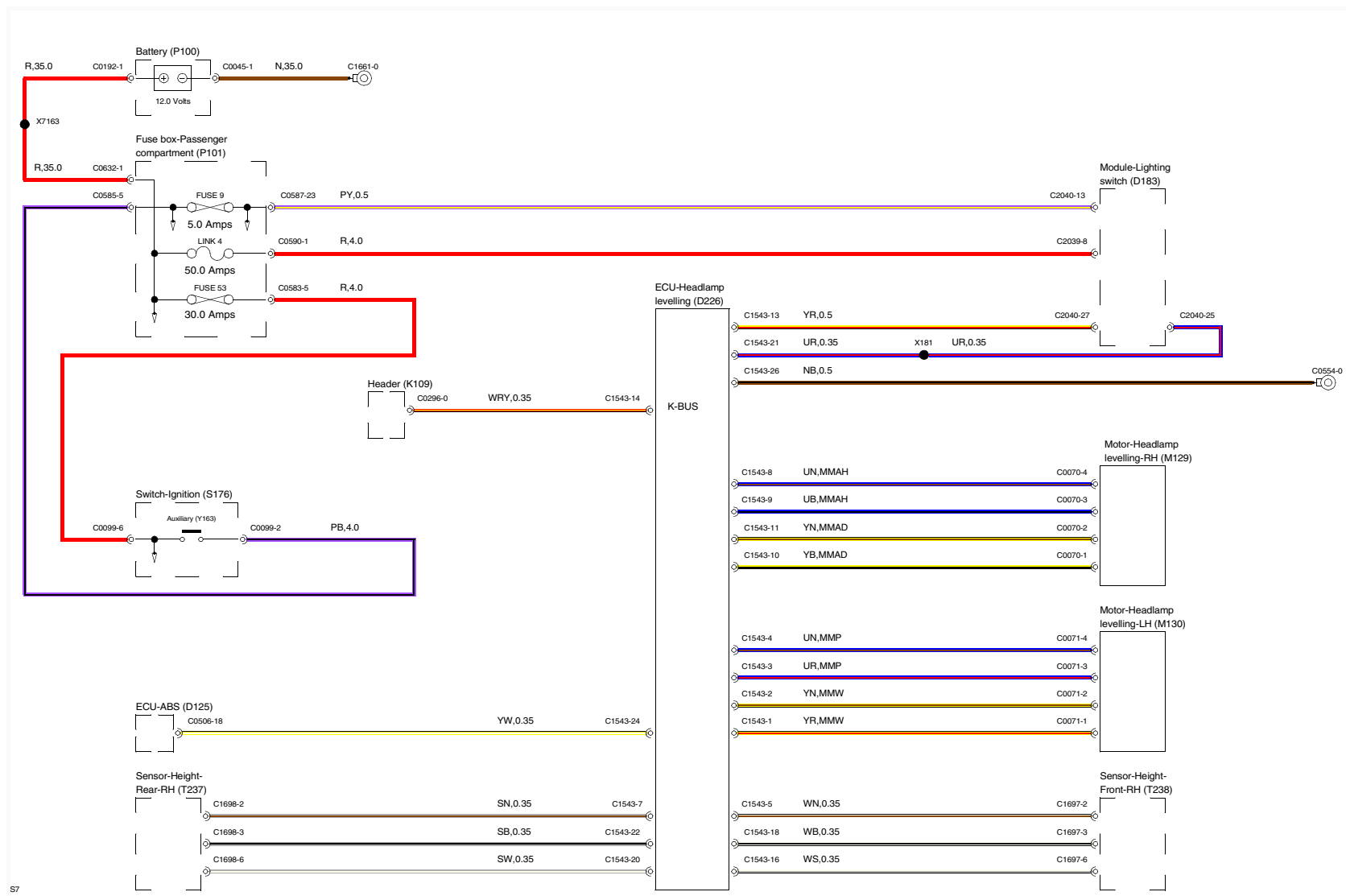


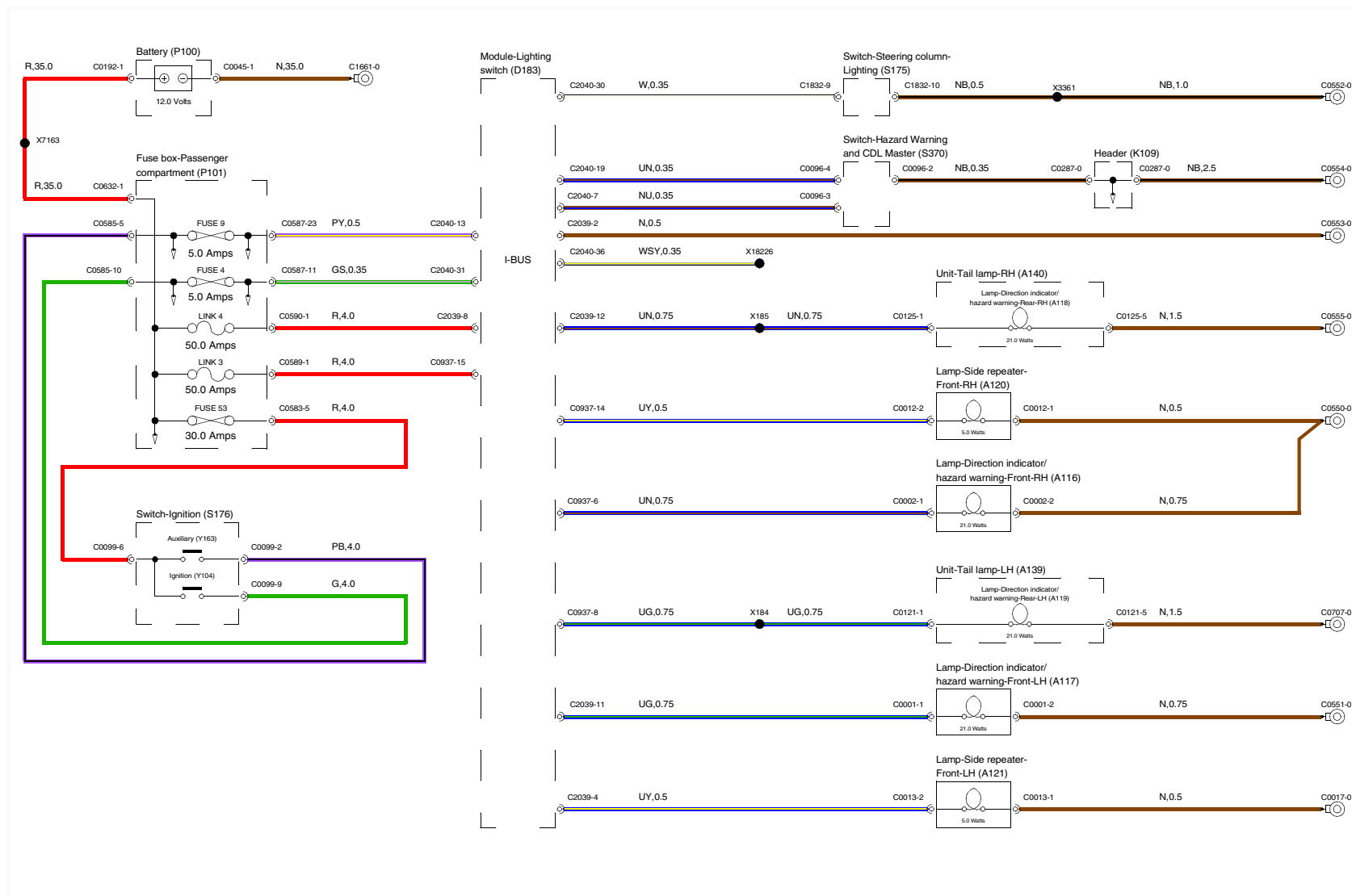


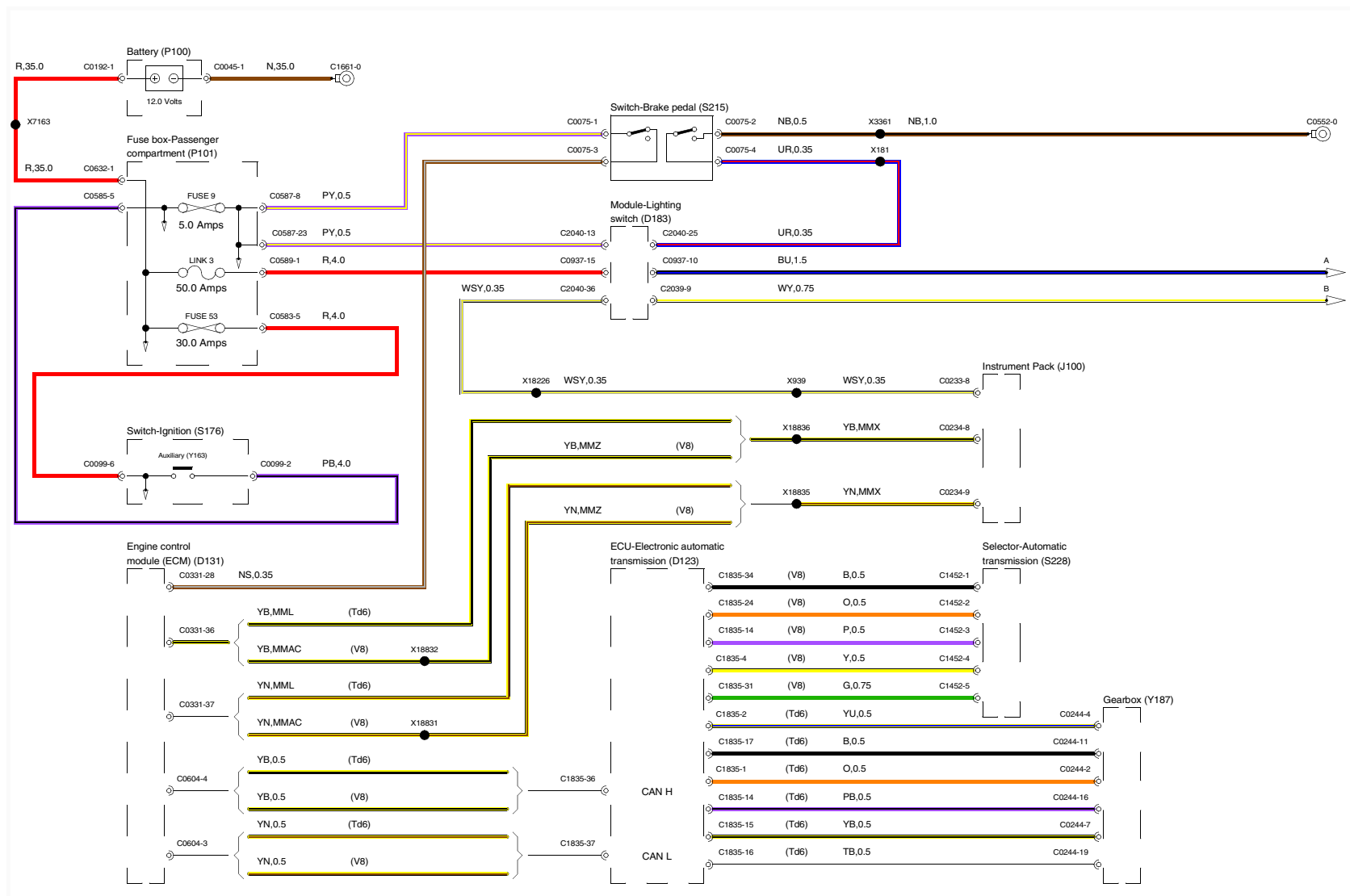


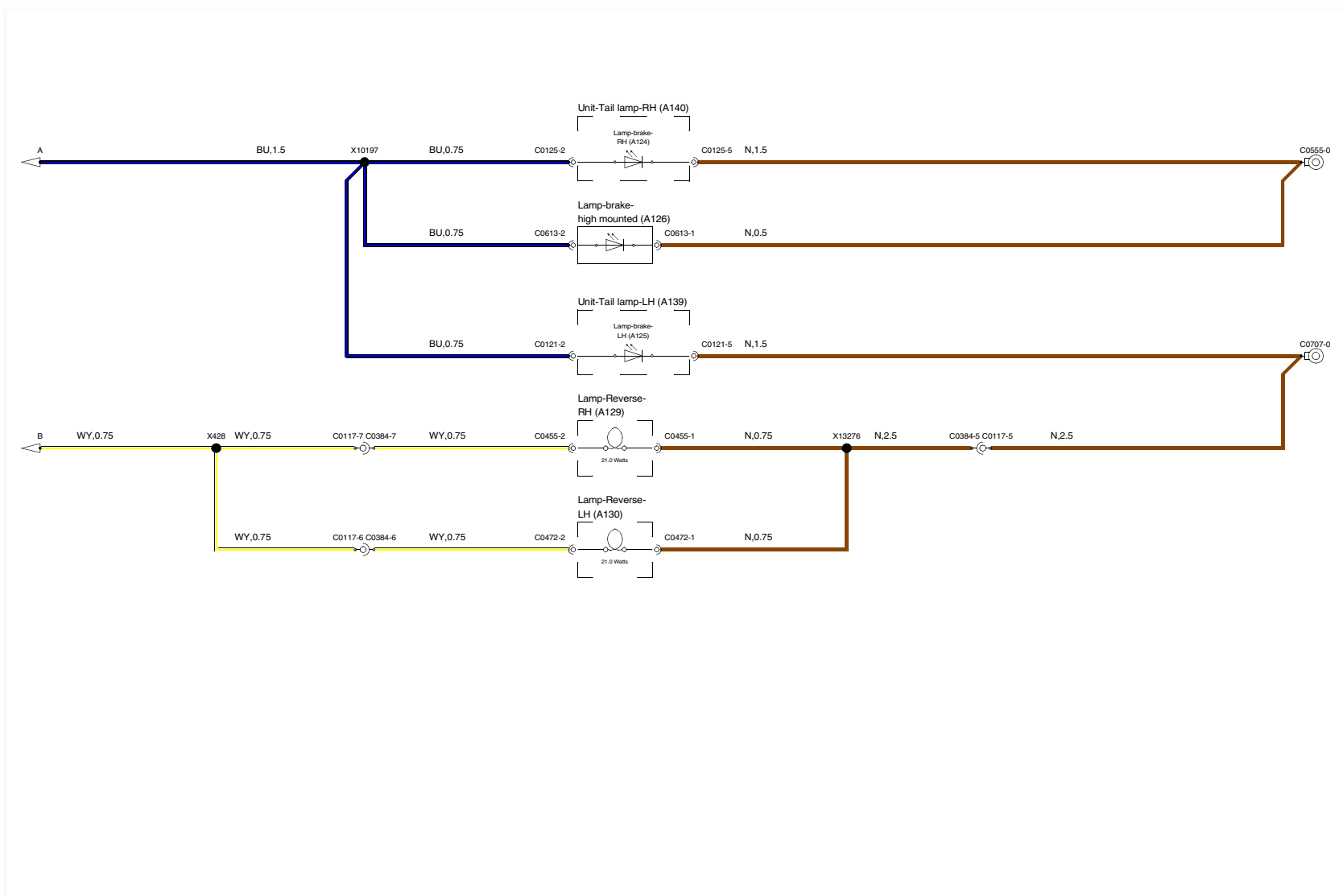


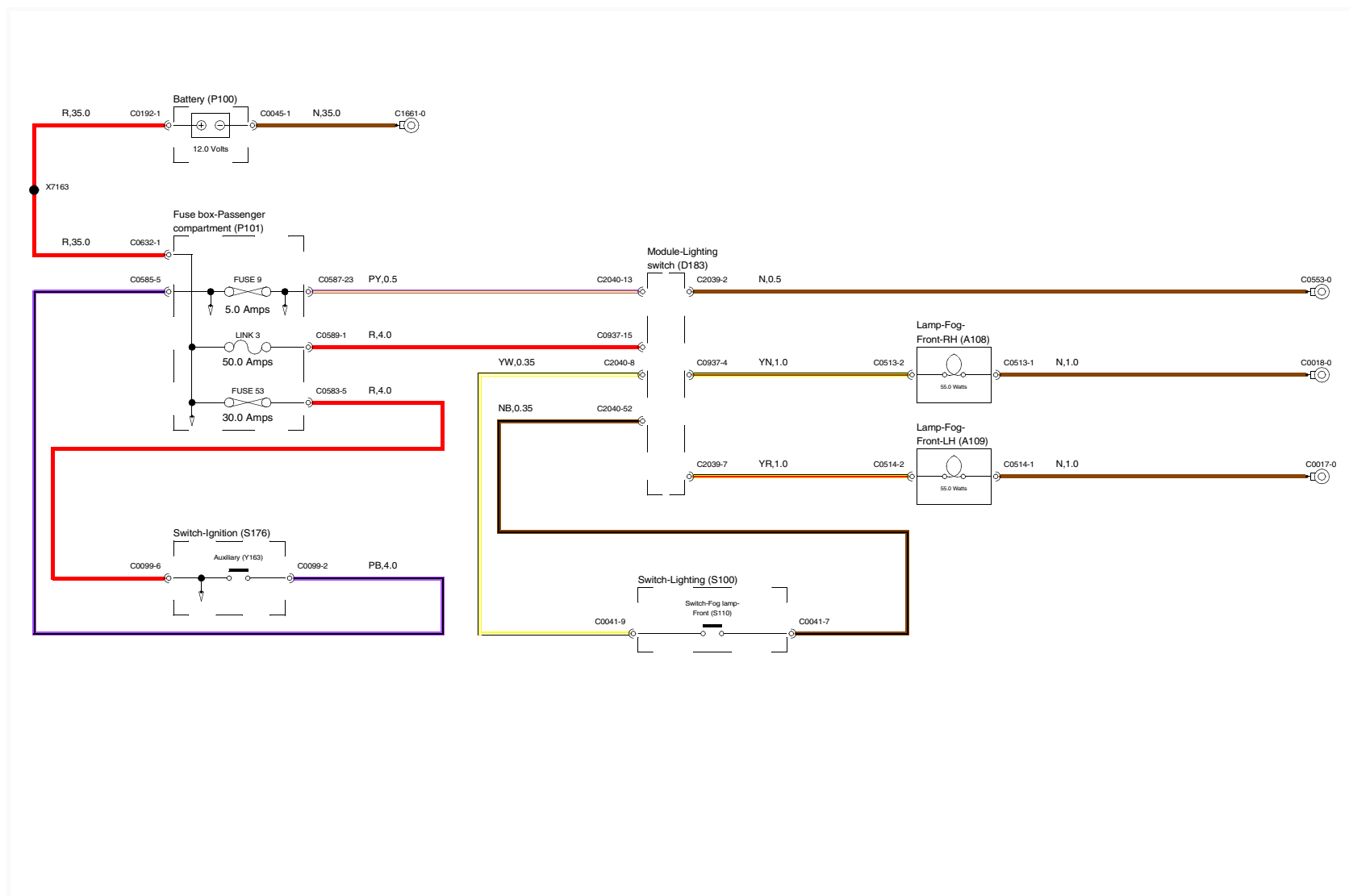


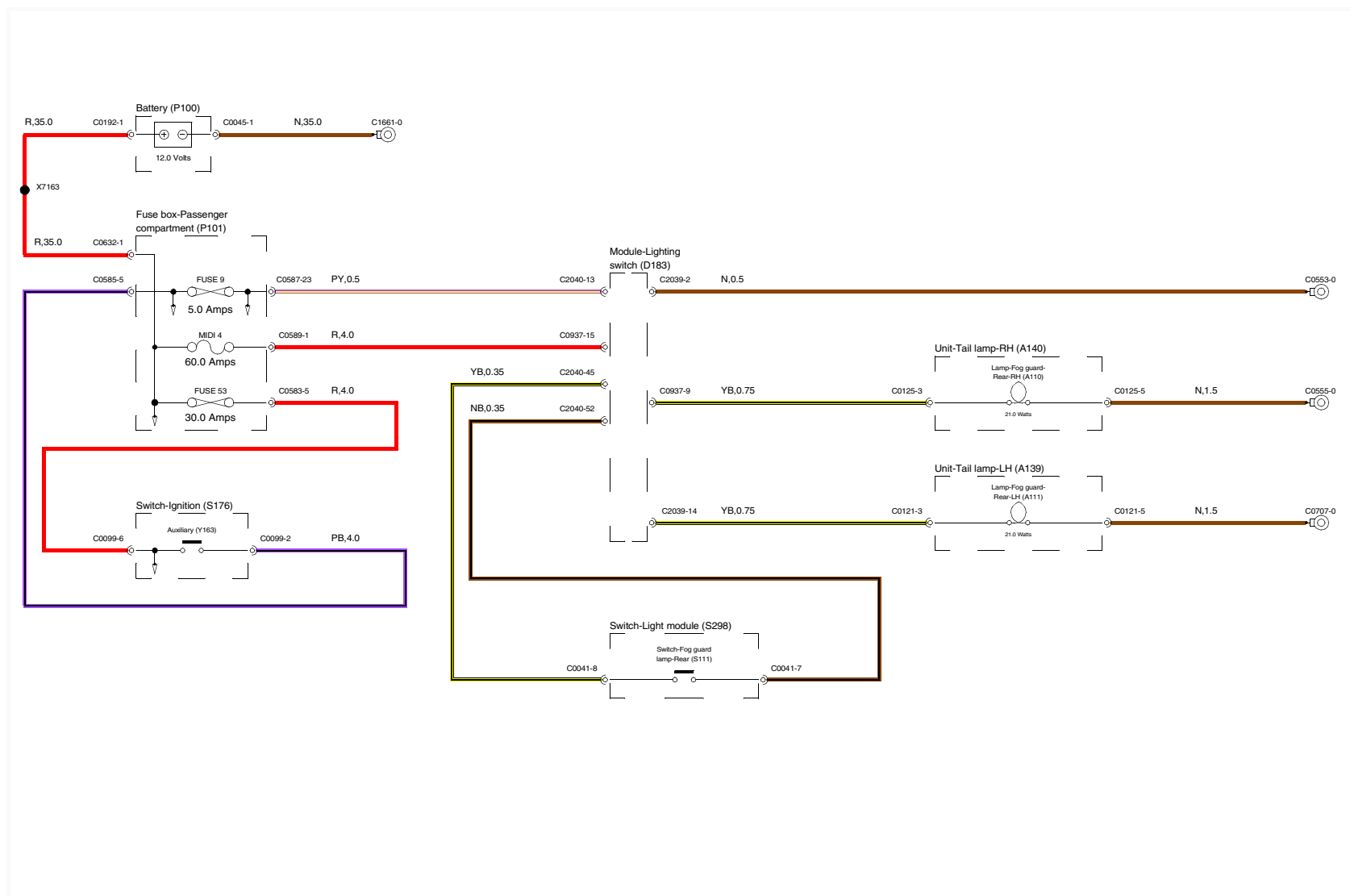




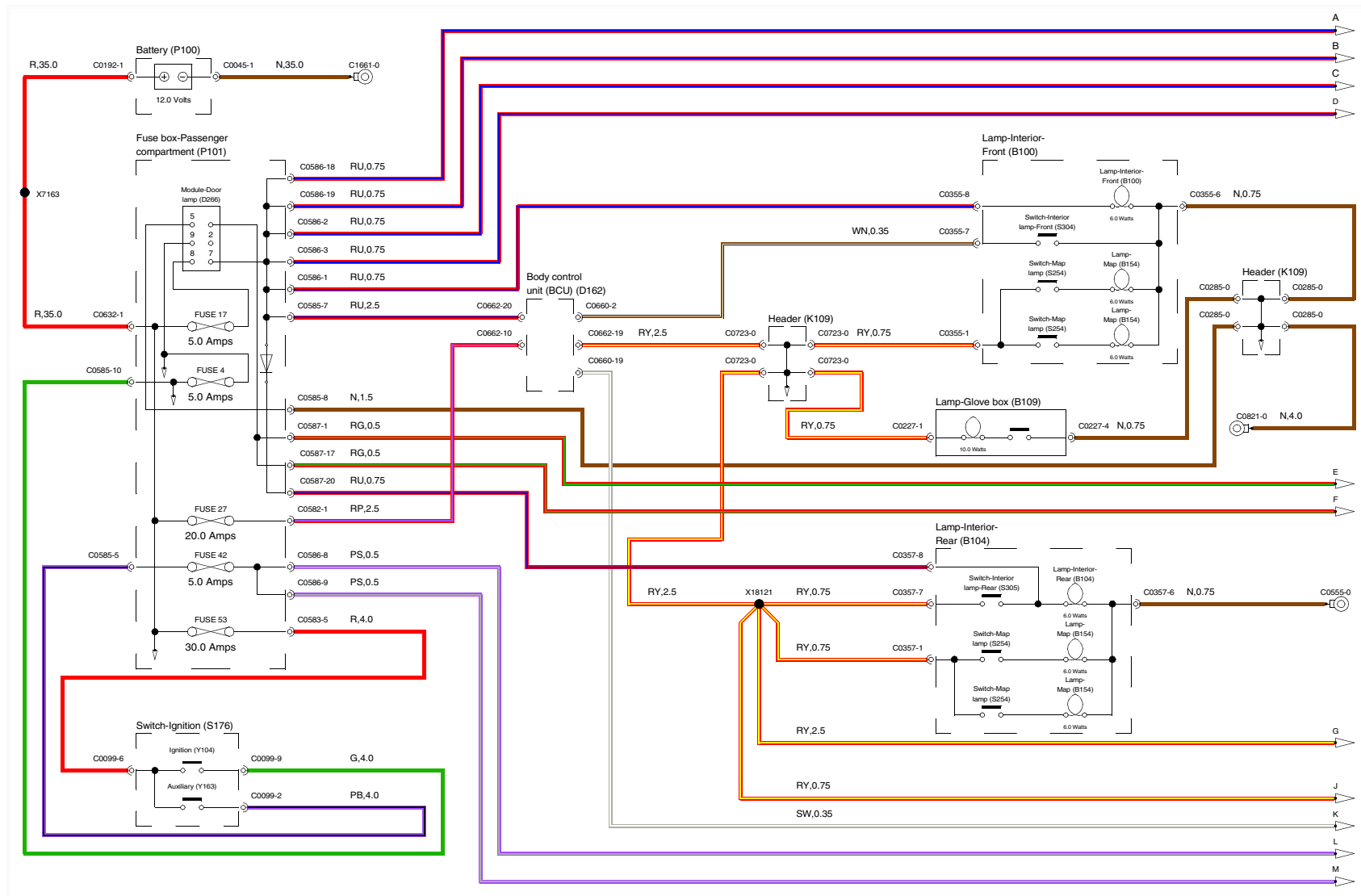


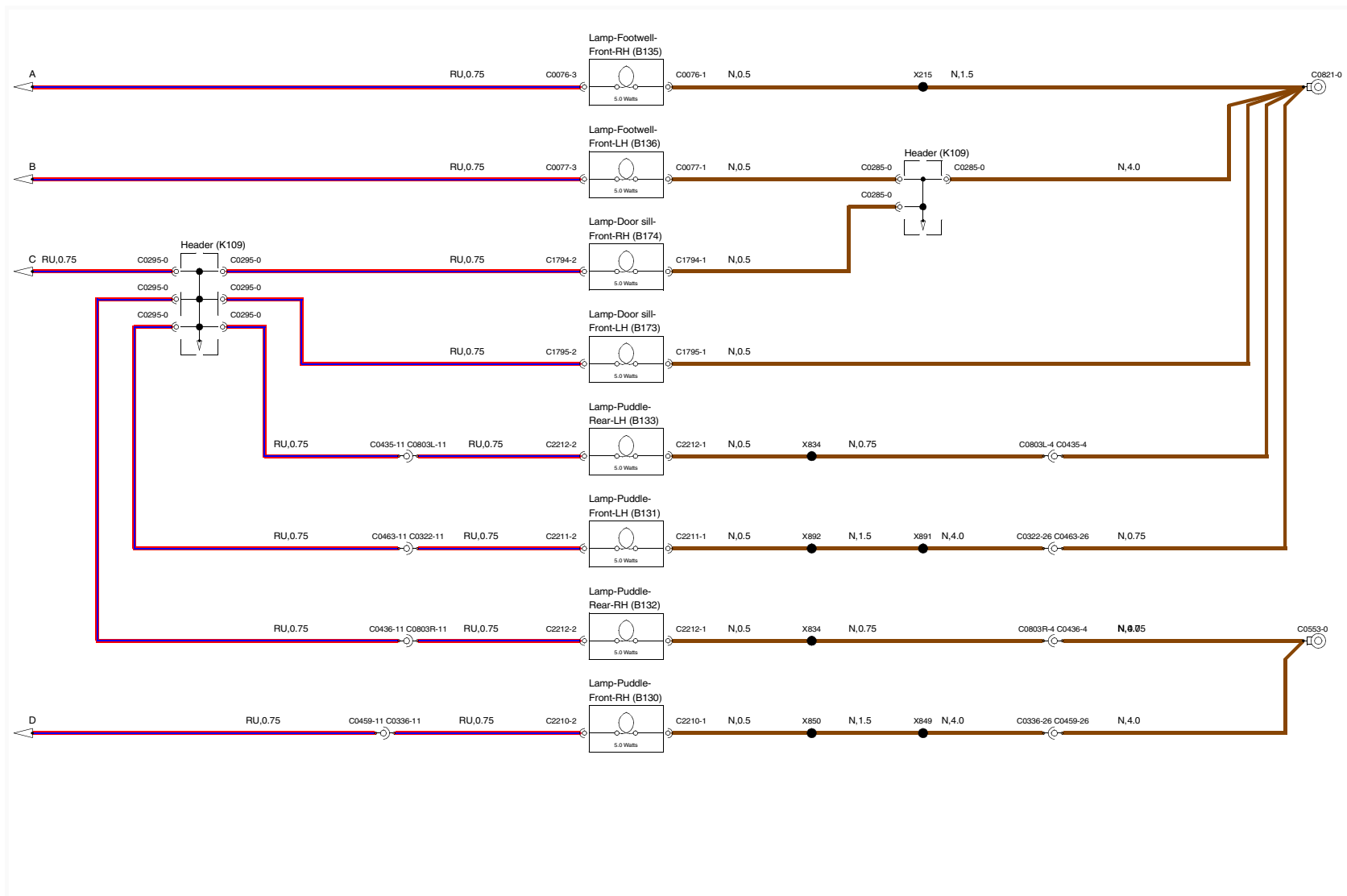




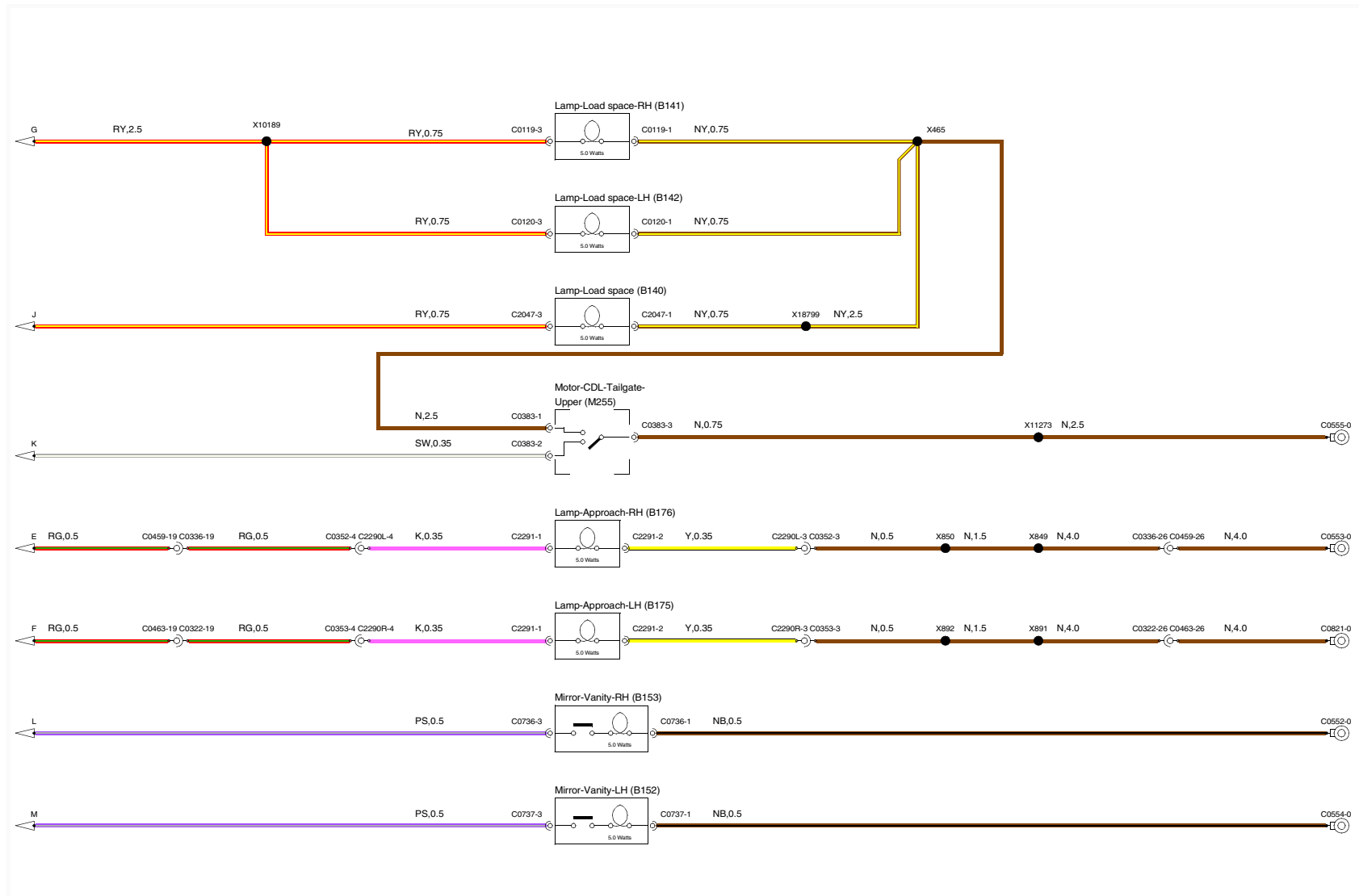


44 INTERIOR LAMPS

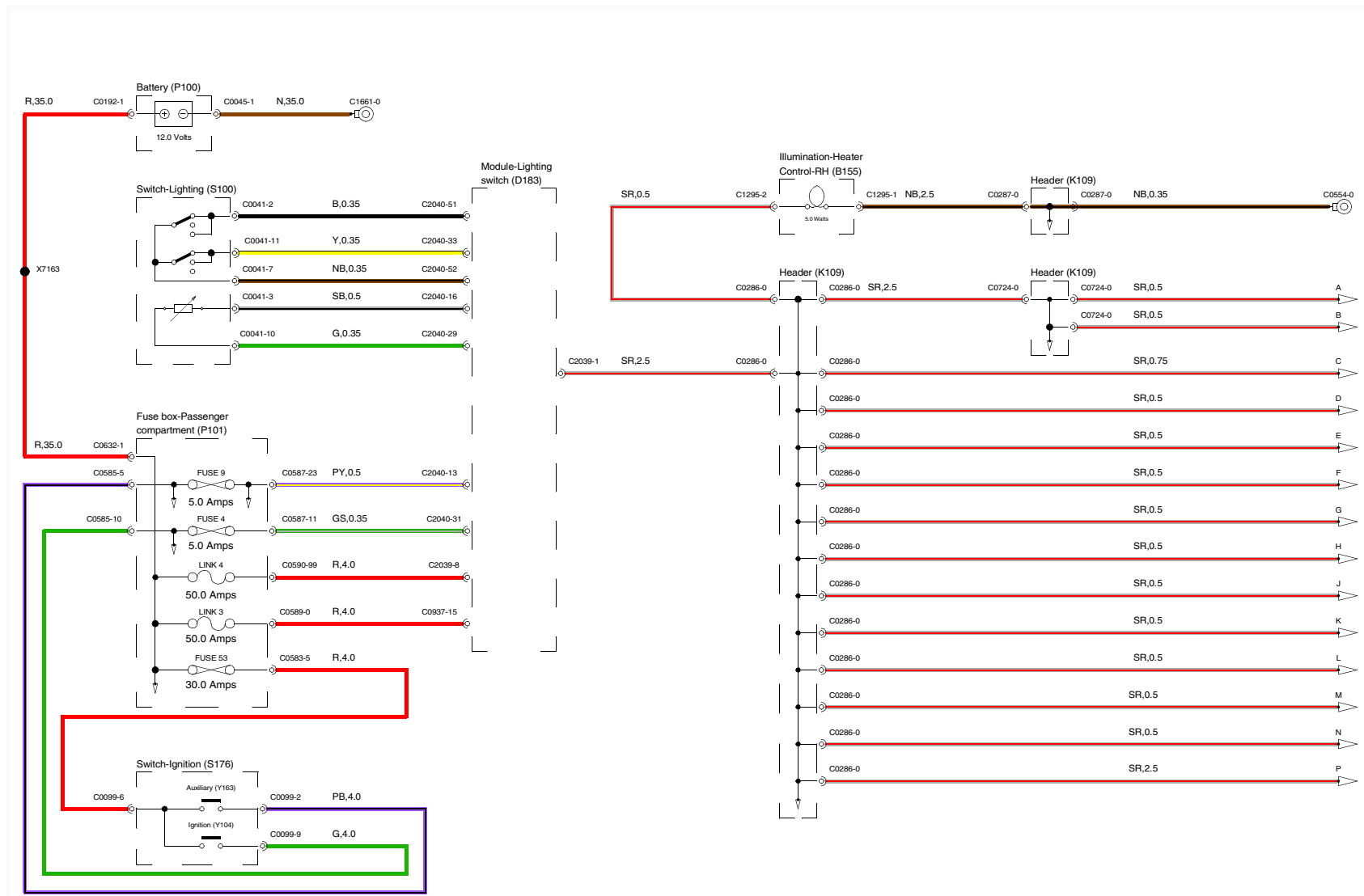


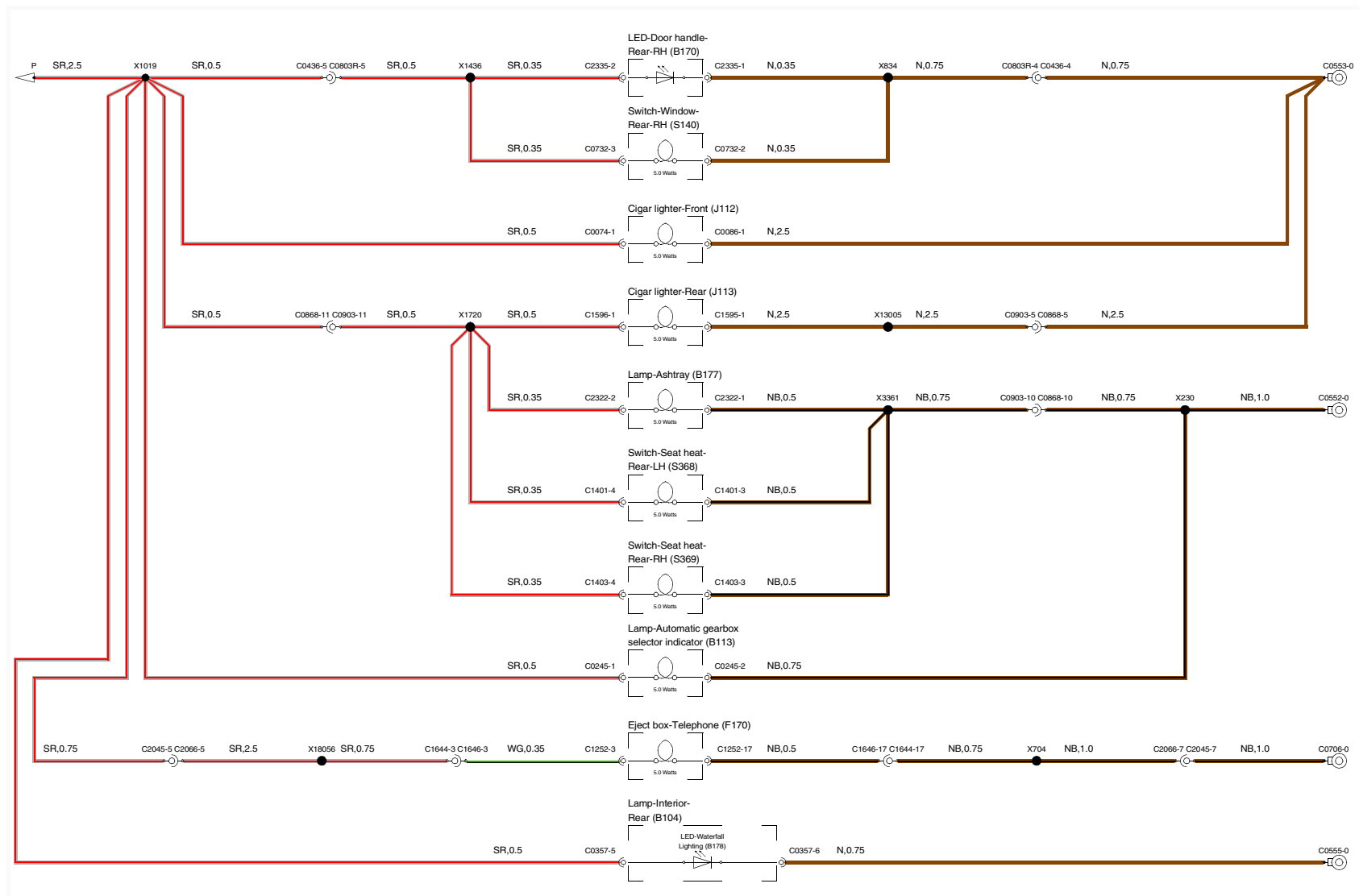


44 INTERIOR LAMPS

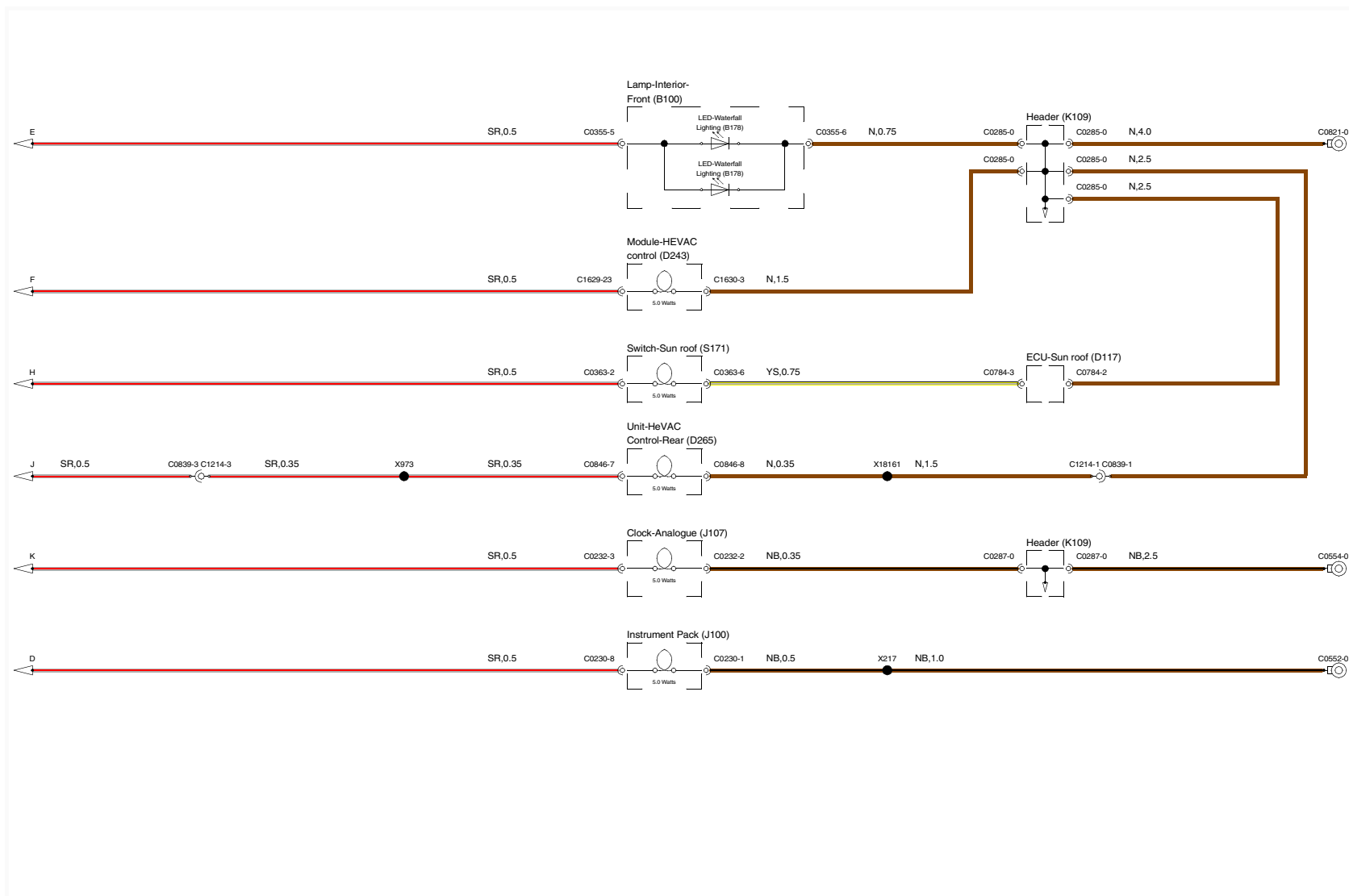


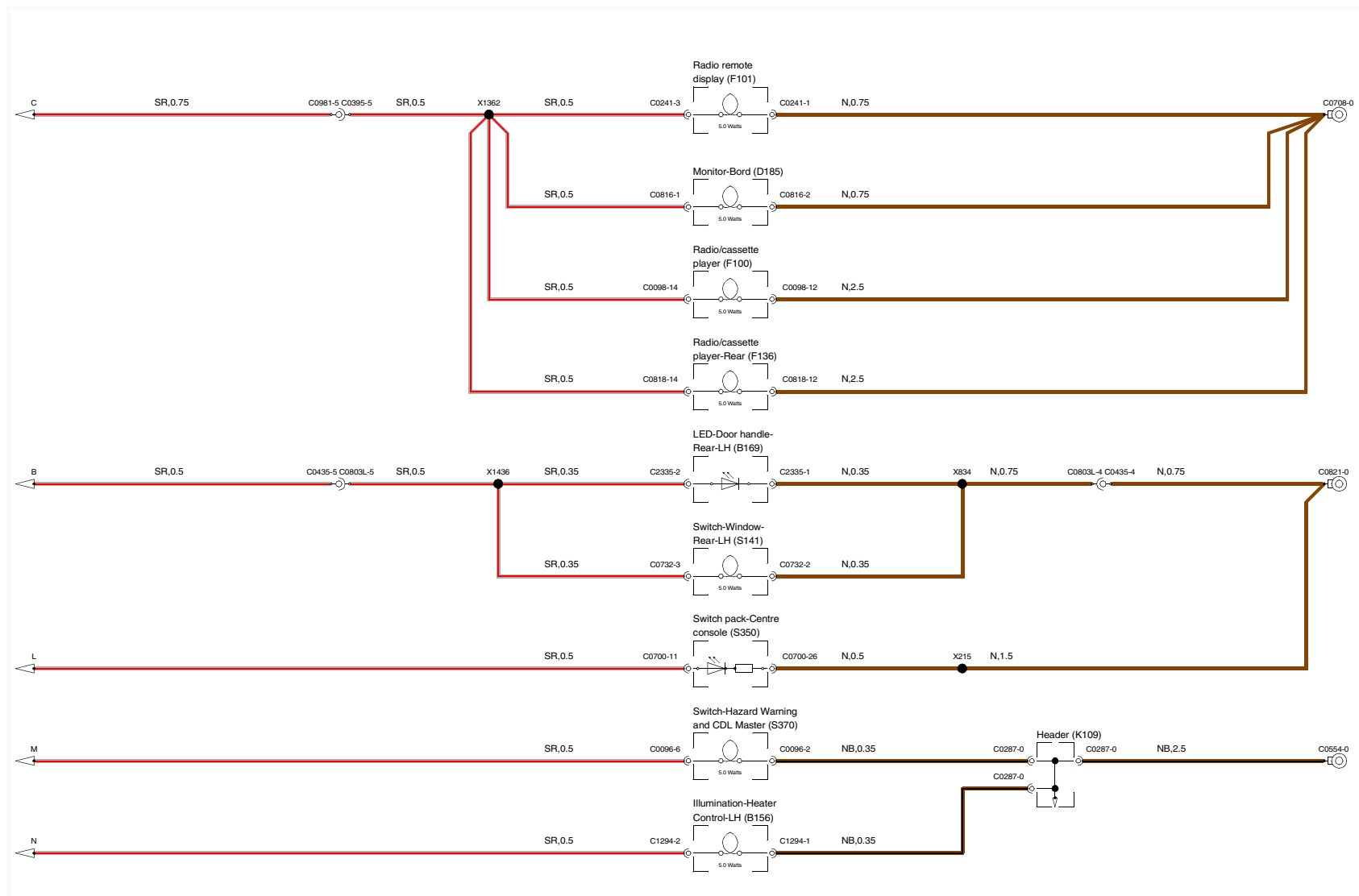
46 INTERIOR ILLUMINATION



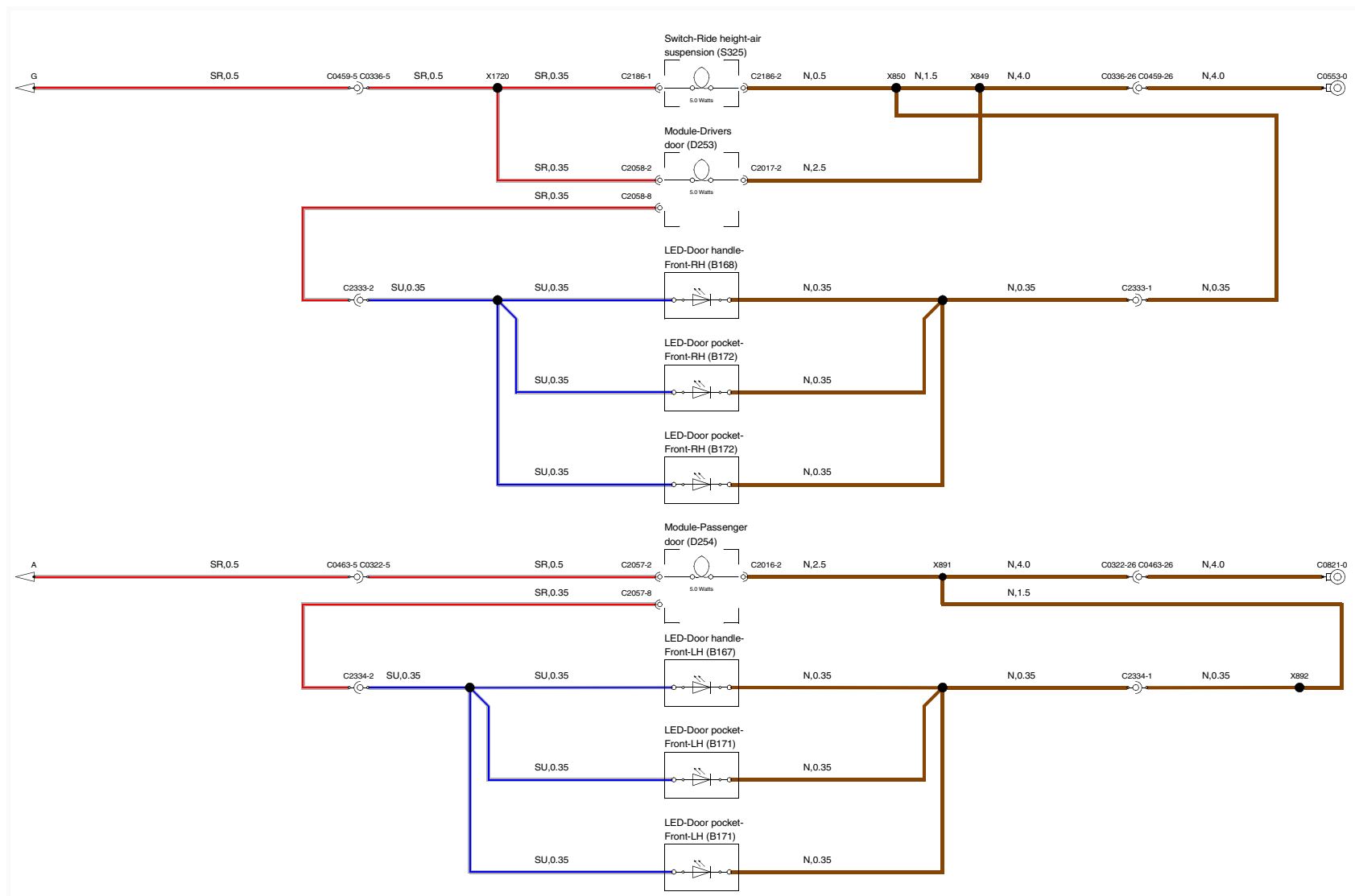


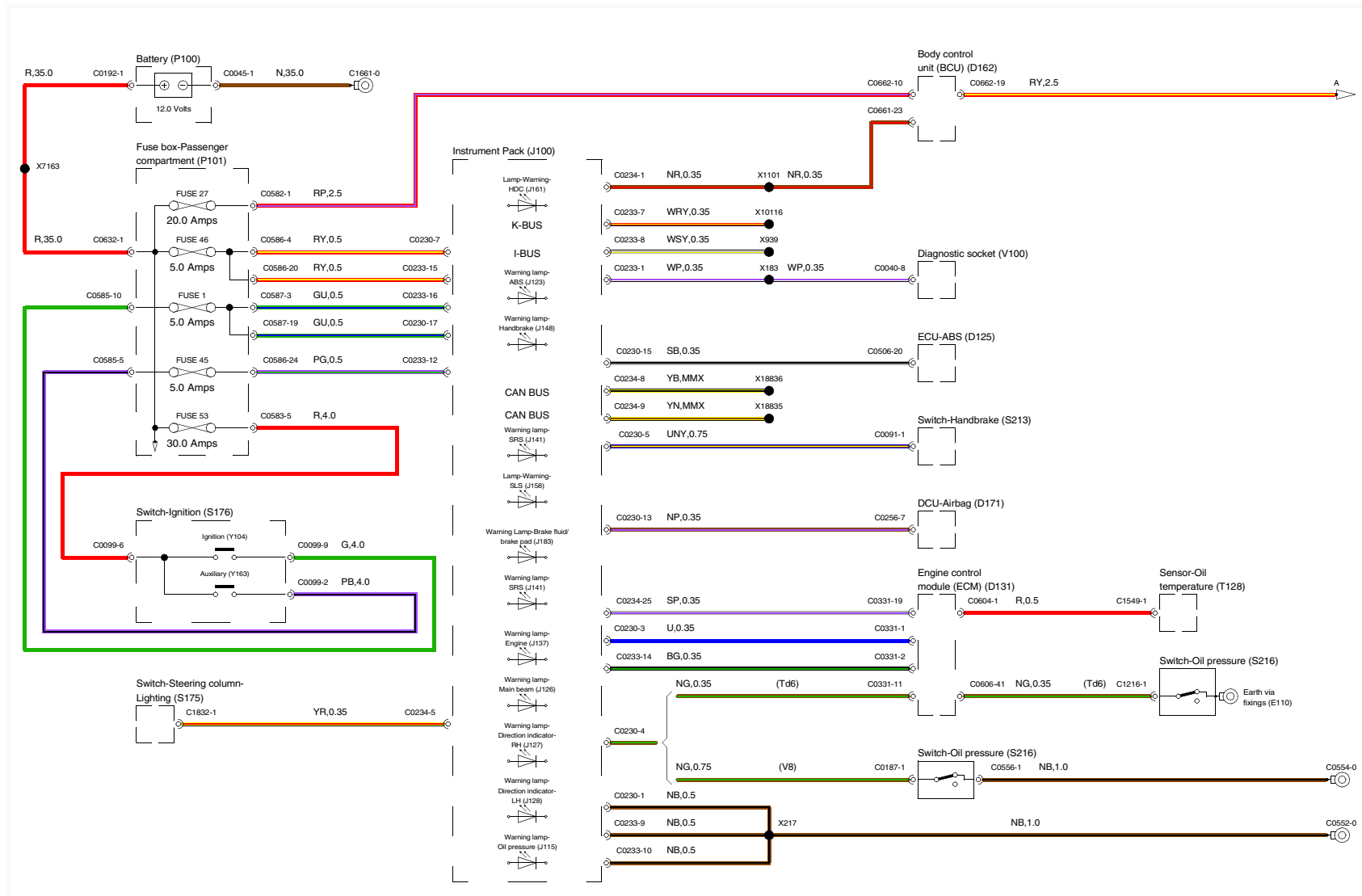
46 INTERIOR ILLUMINATION

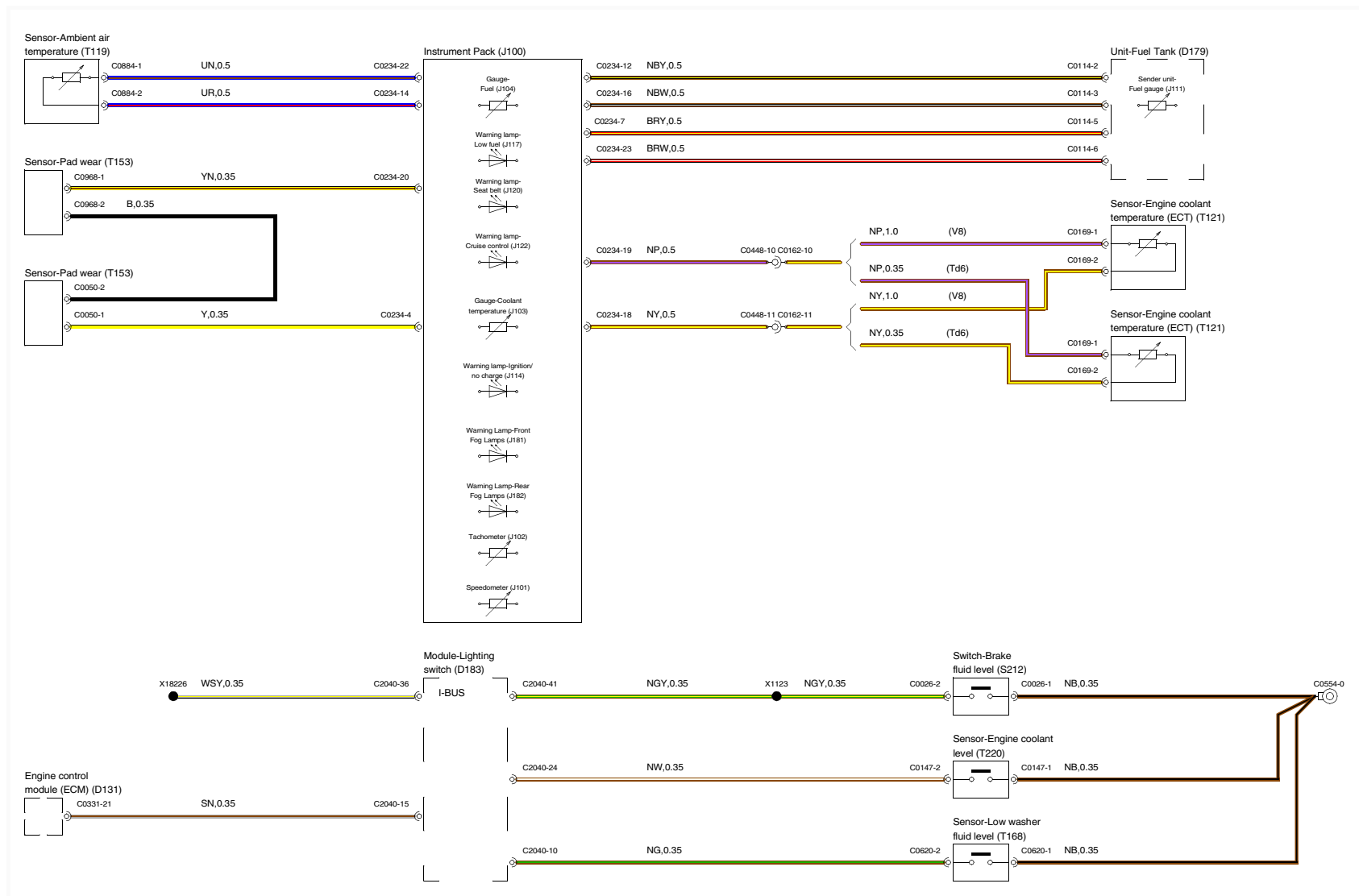


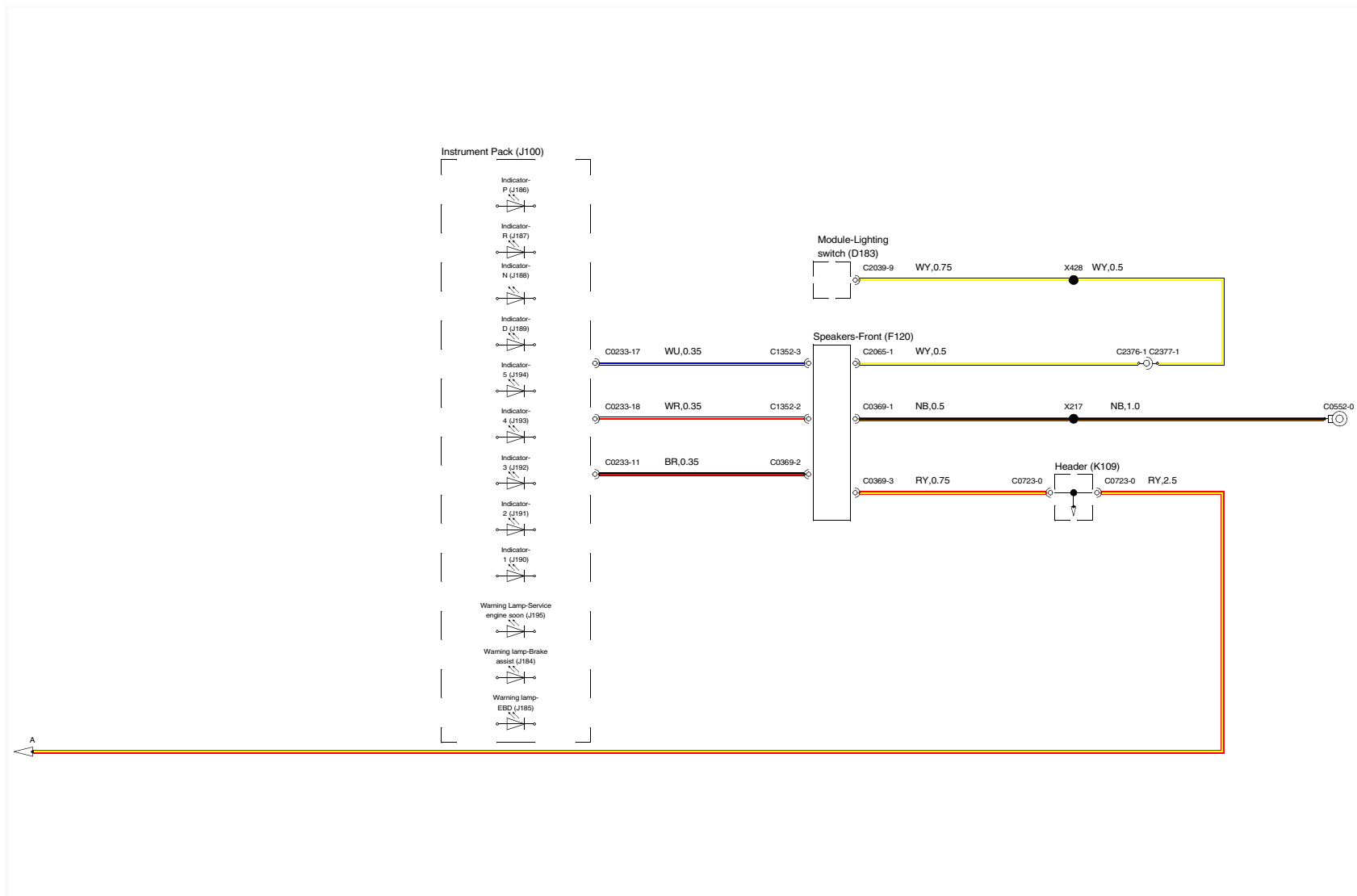


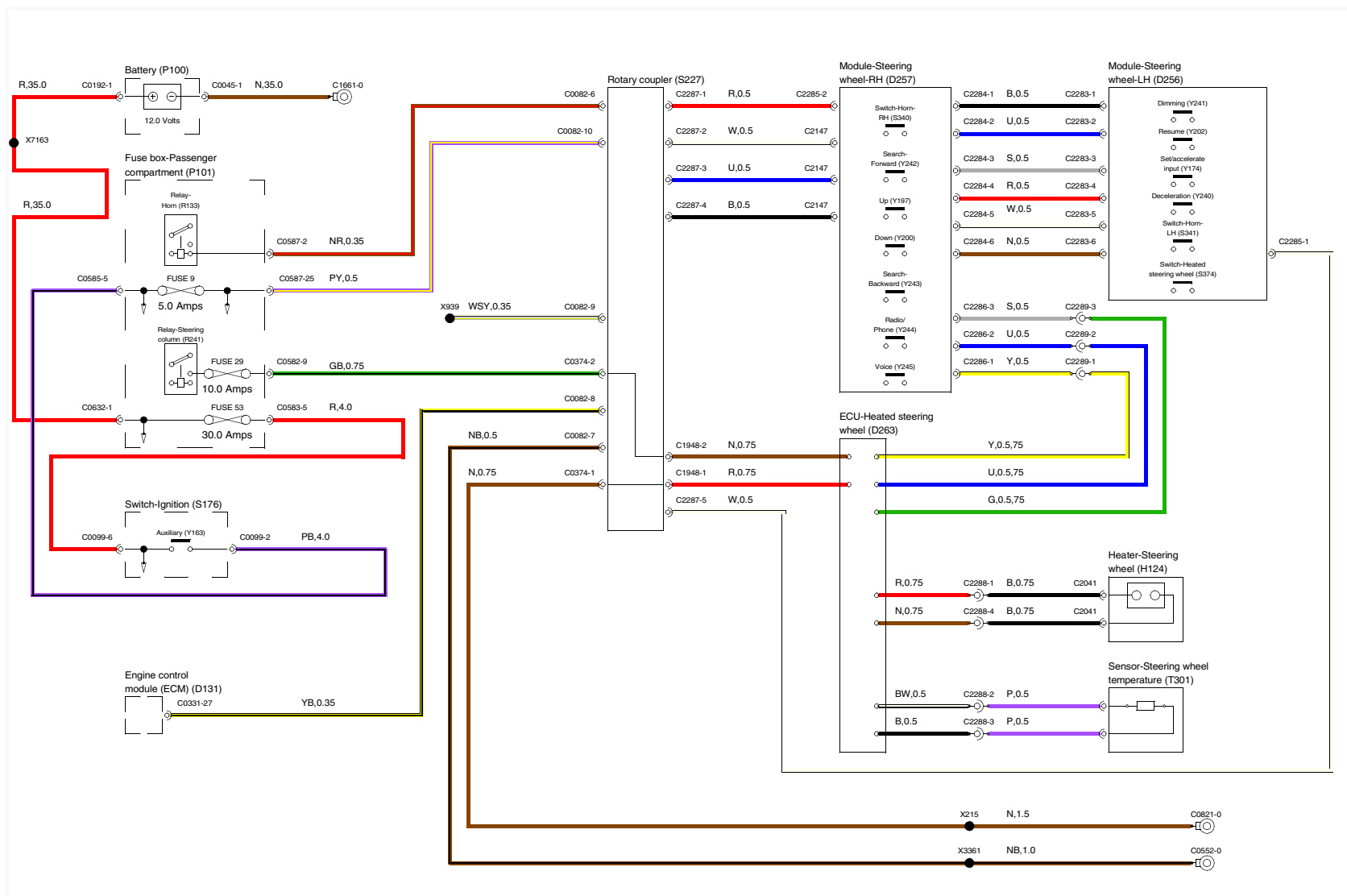
46 INTERIOR ILLUMINATION

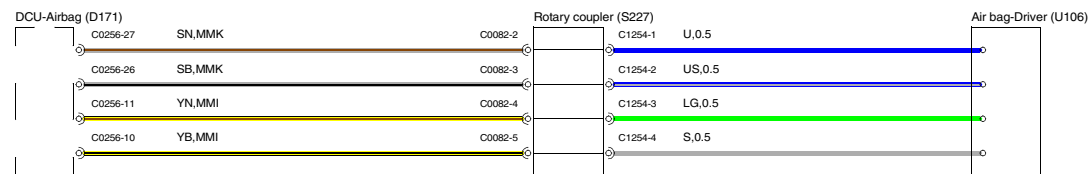


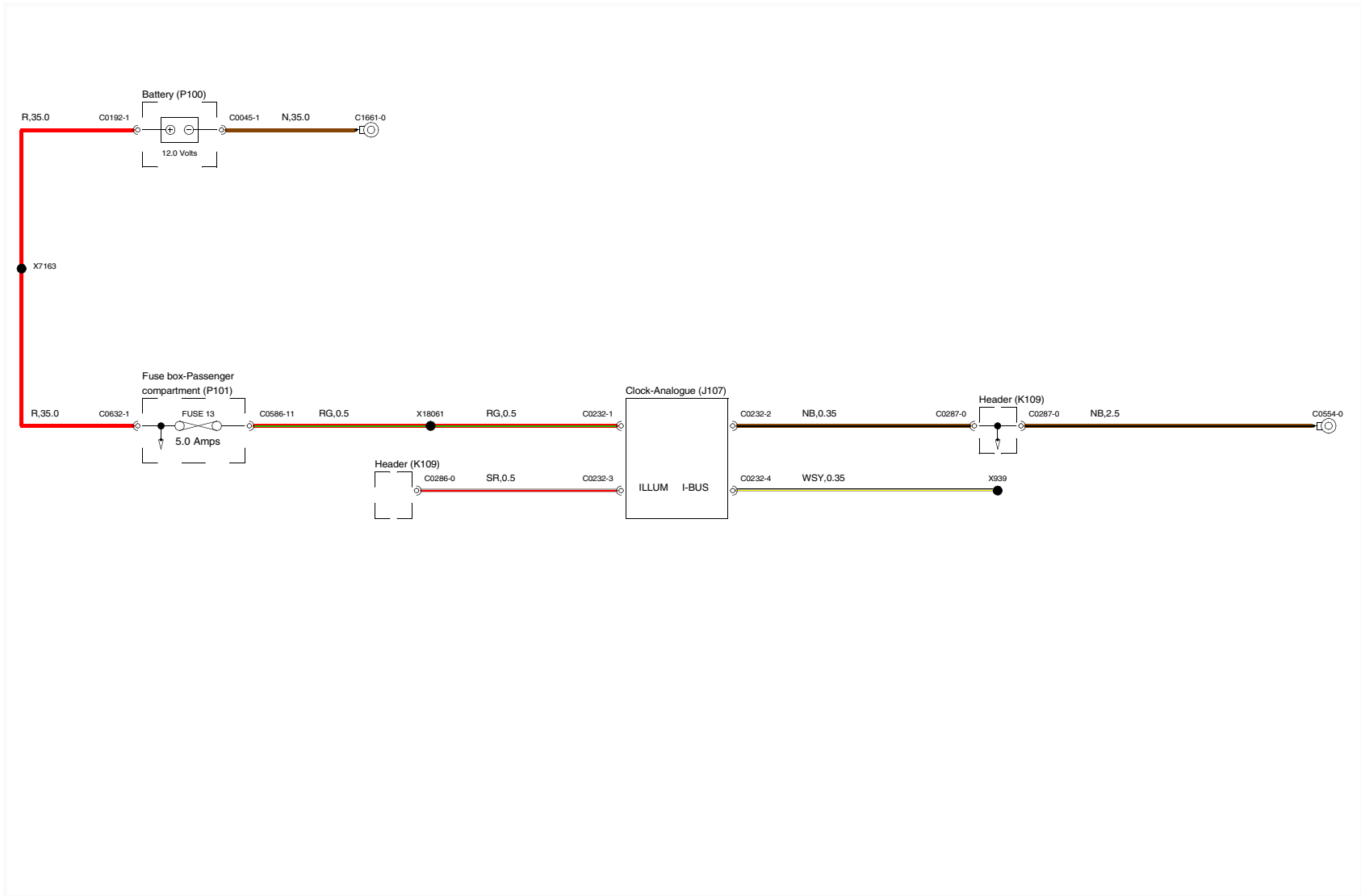






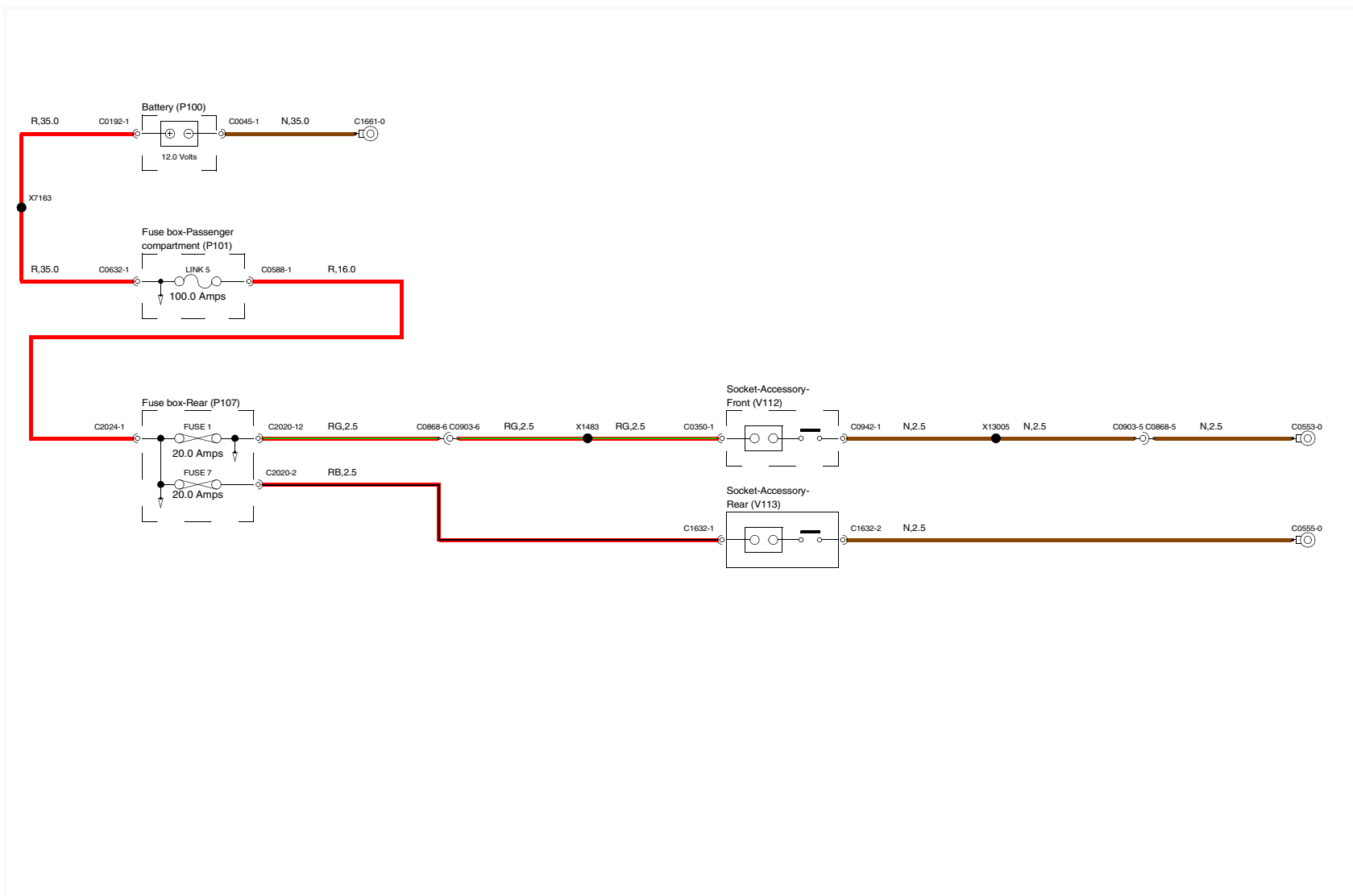




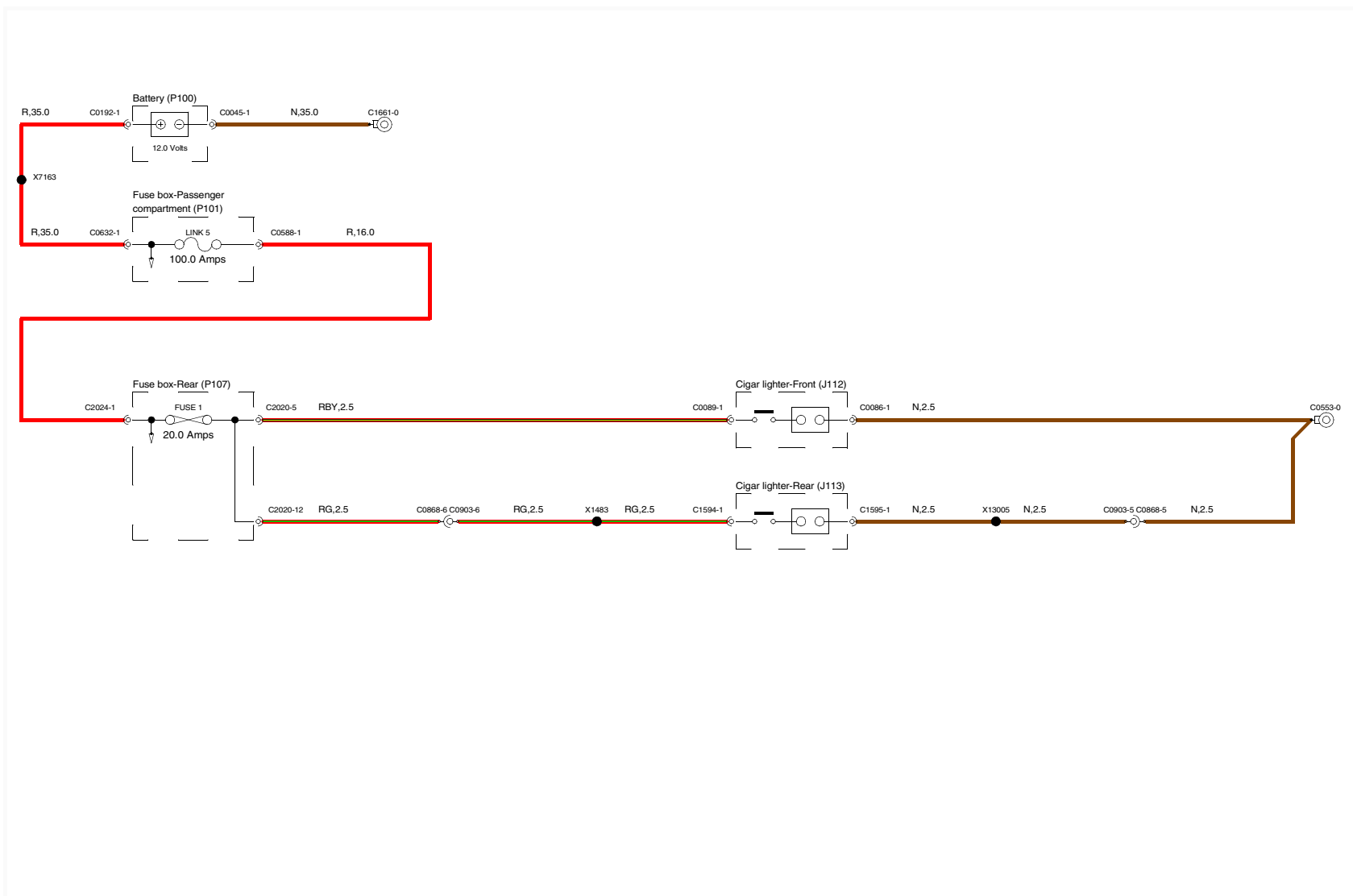


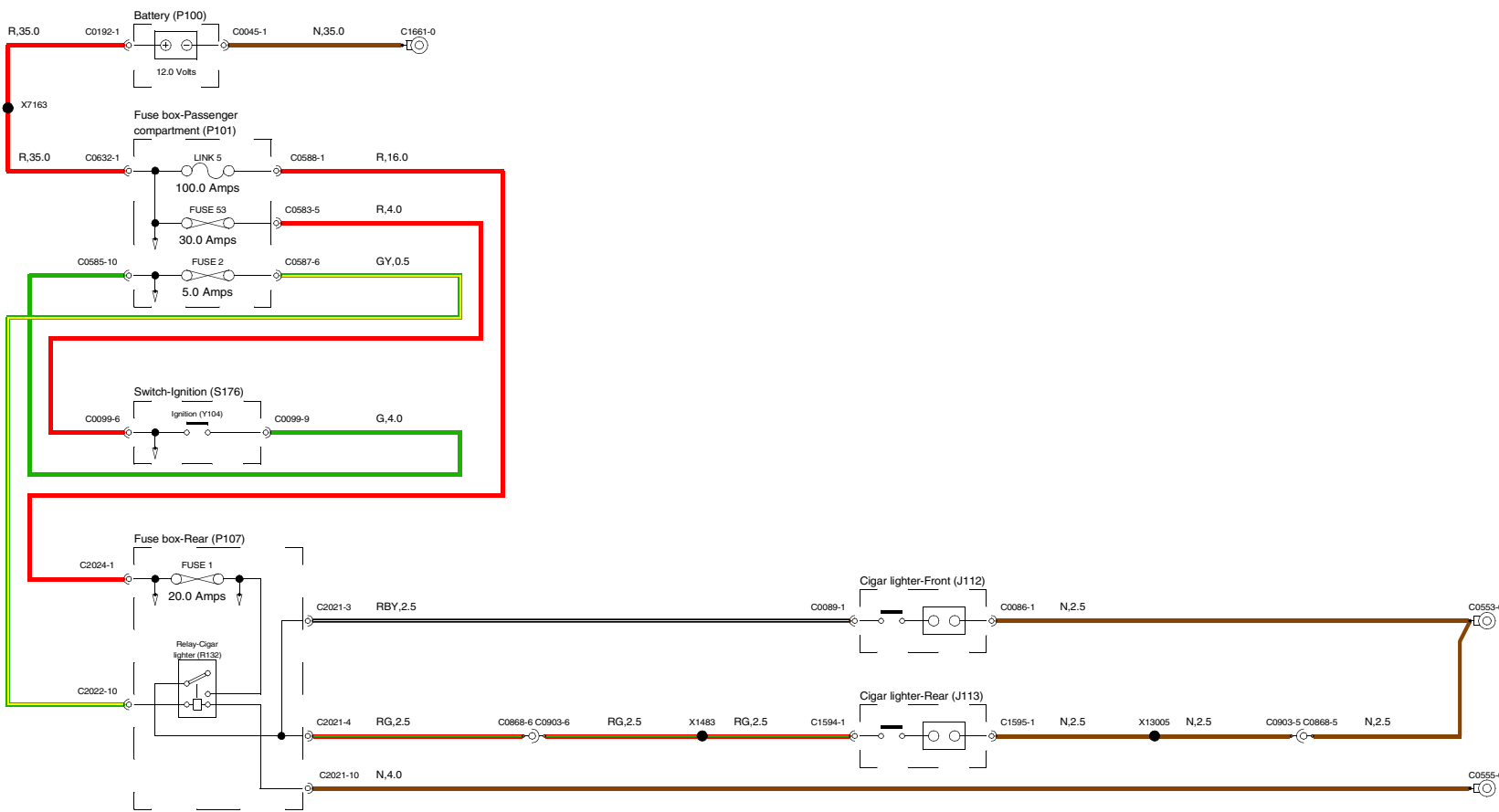


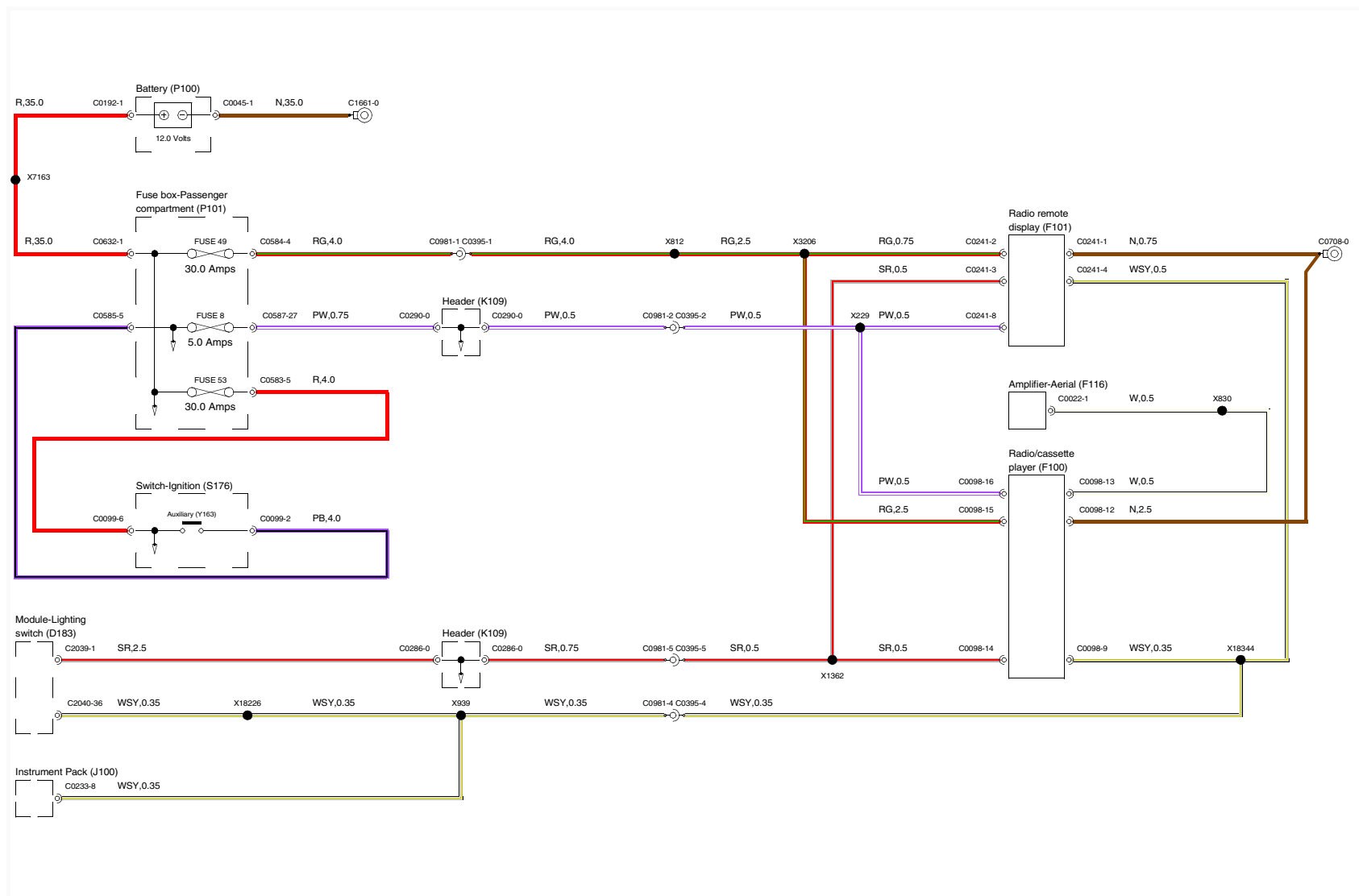
49 ACCESSORY SOCKET

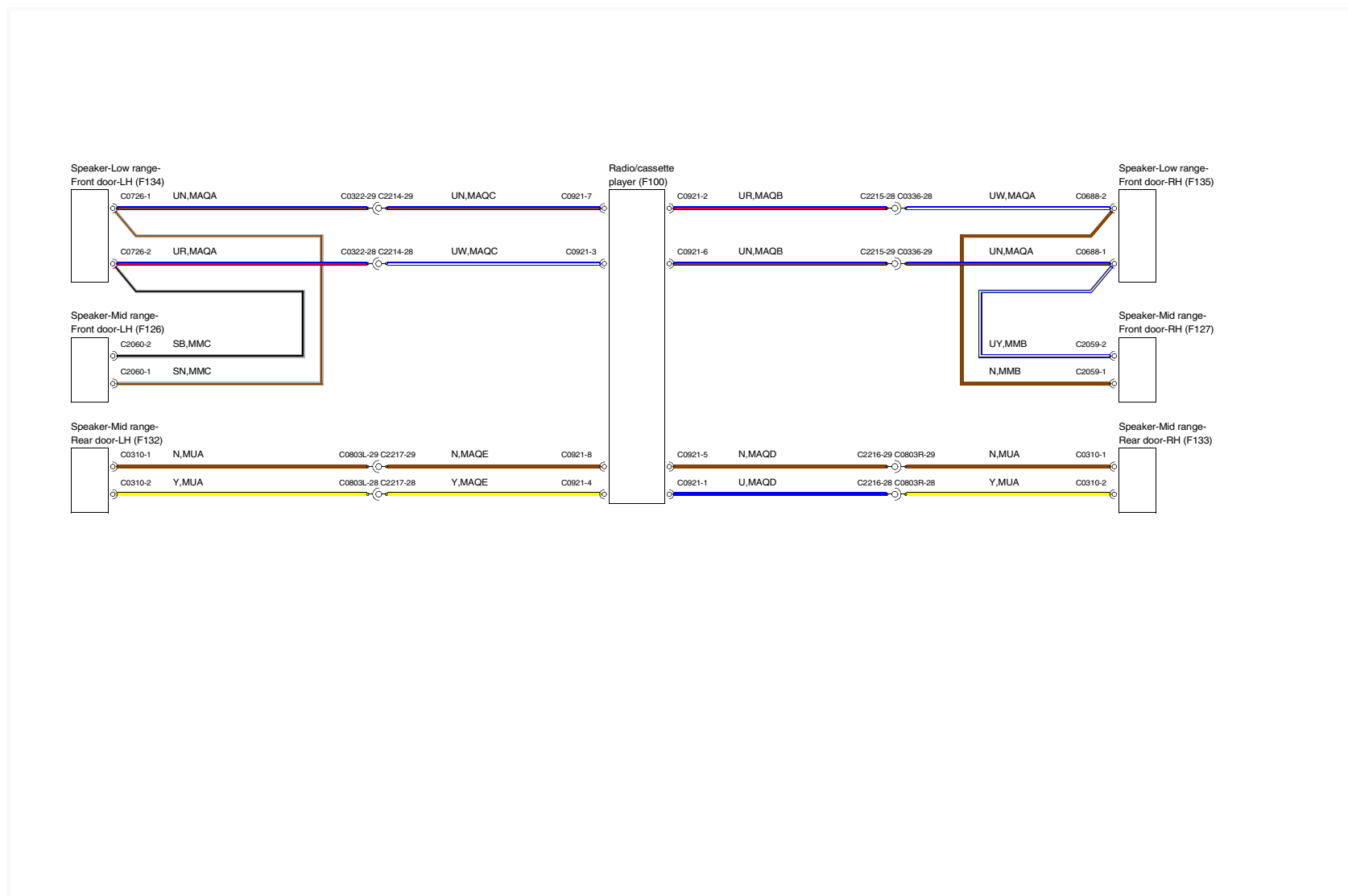


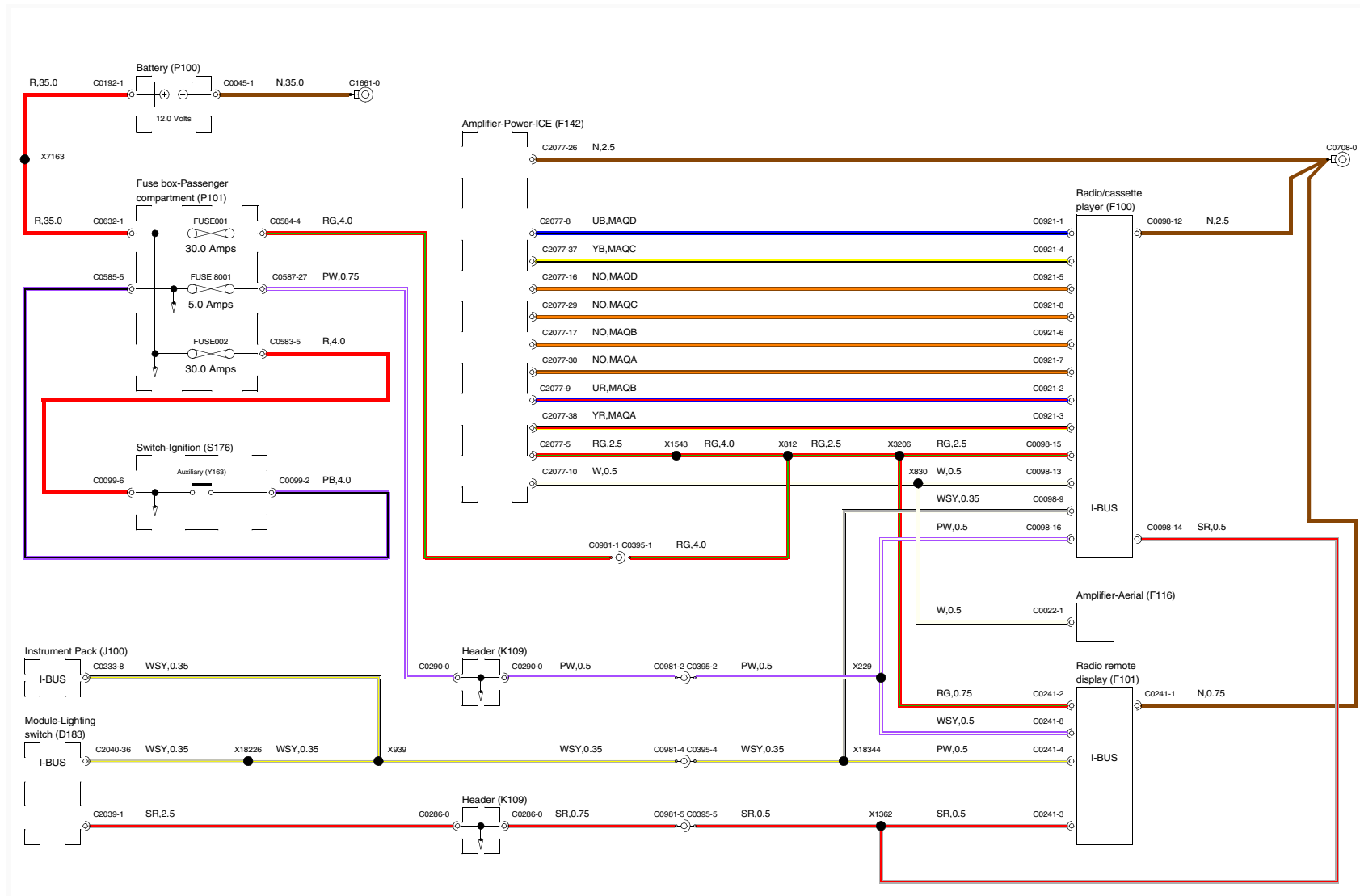
49 CIGAR LIGHTER

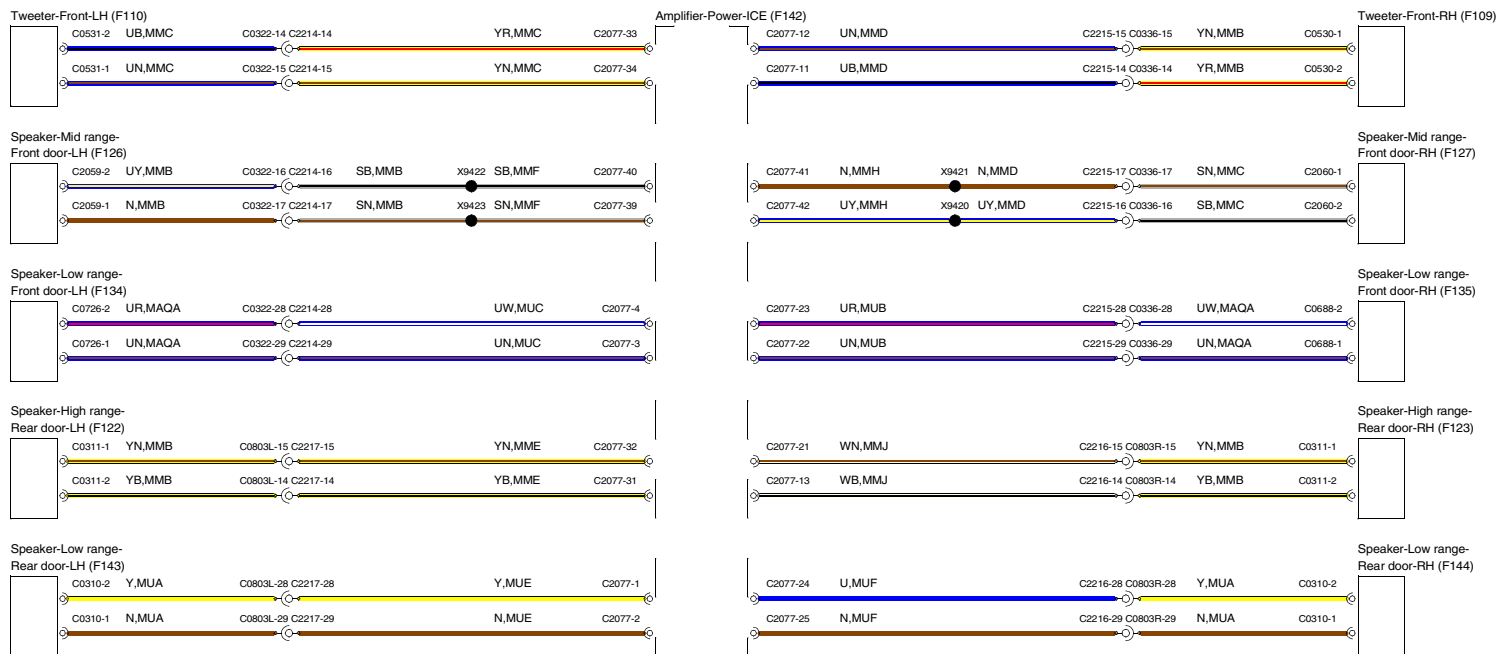


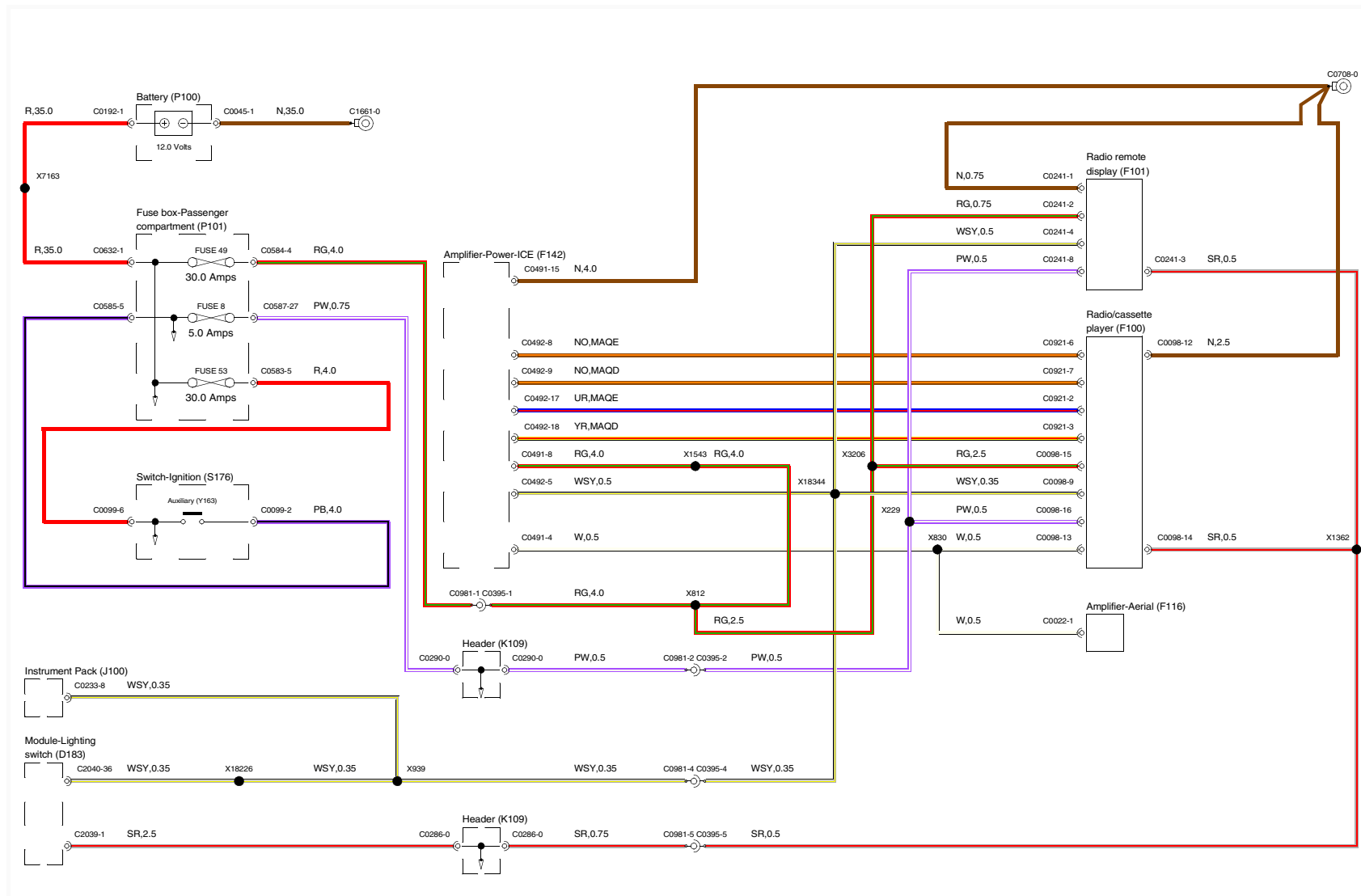




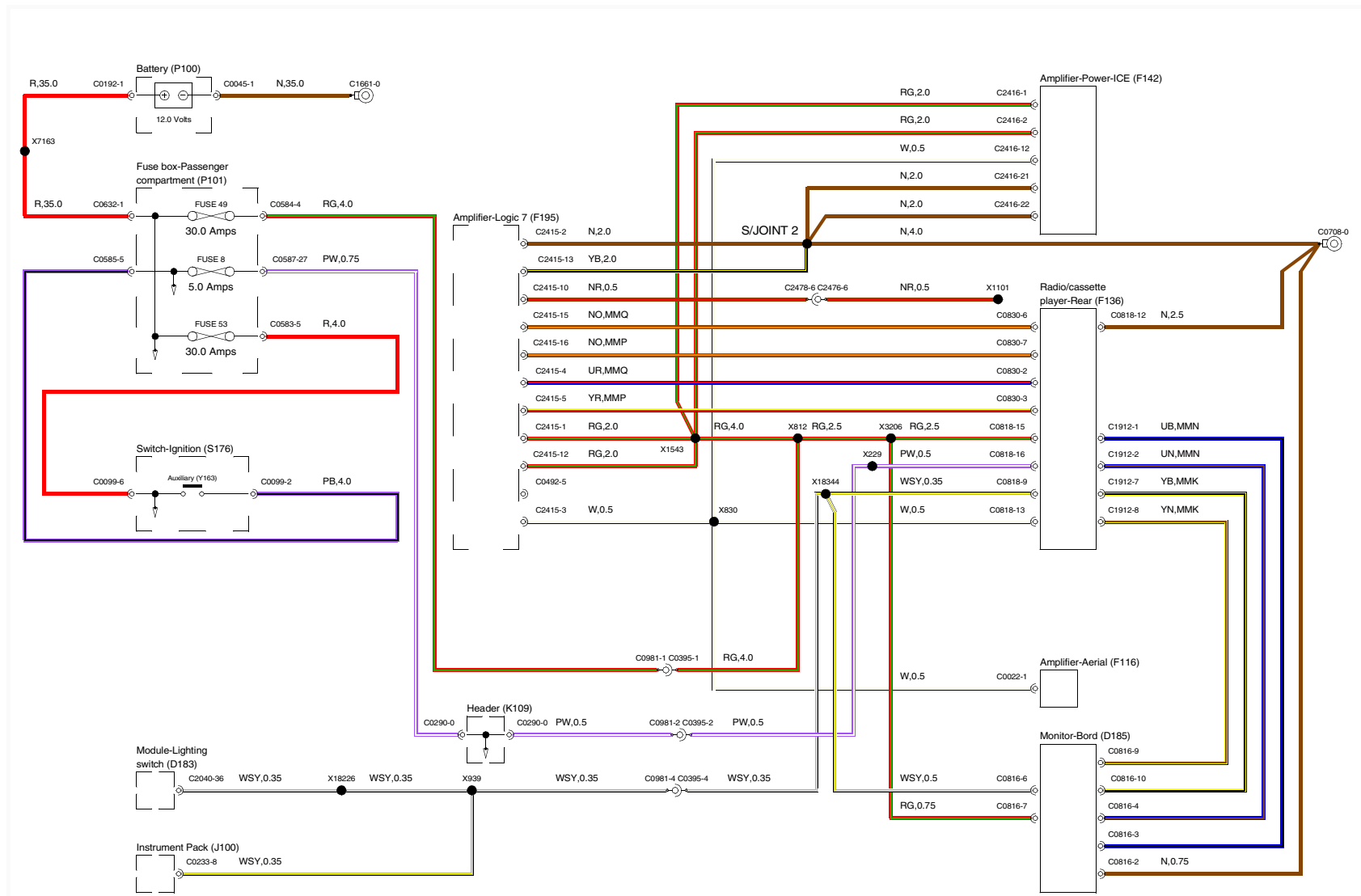


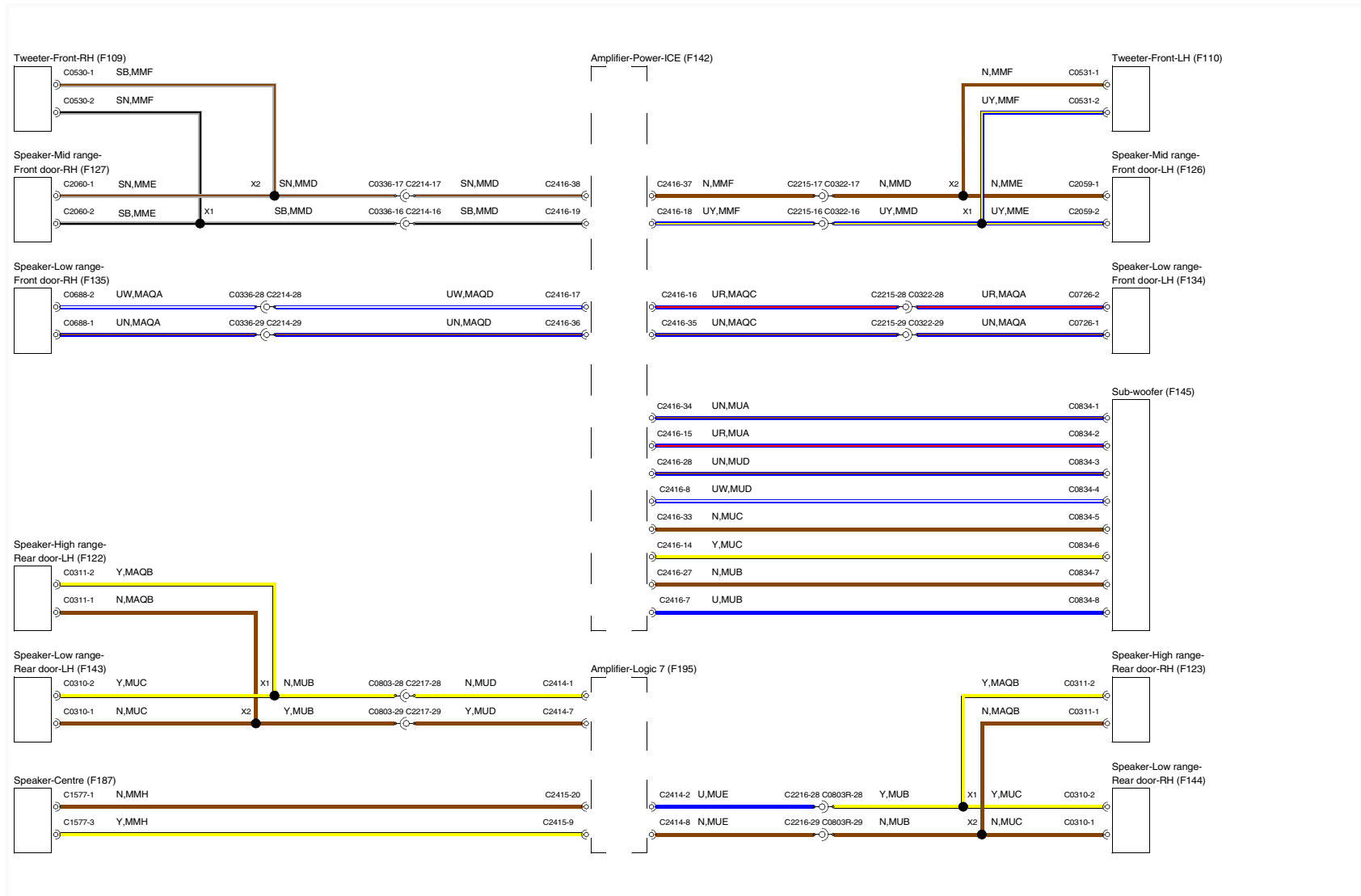


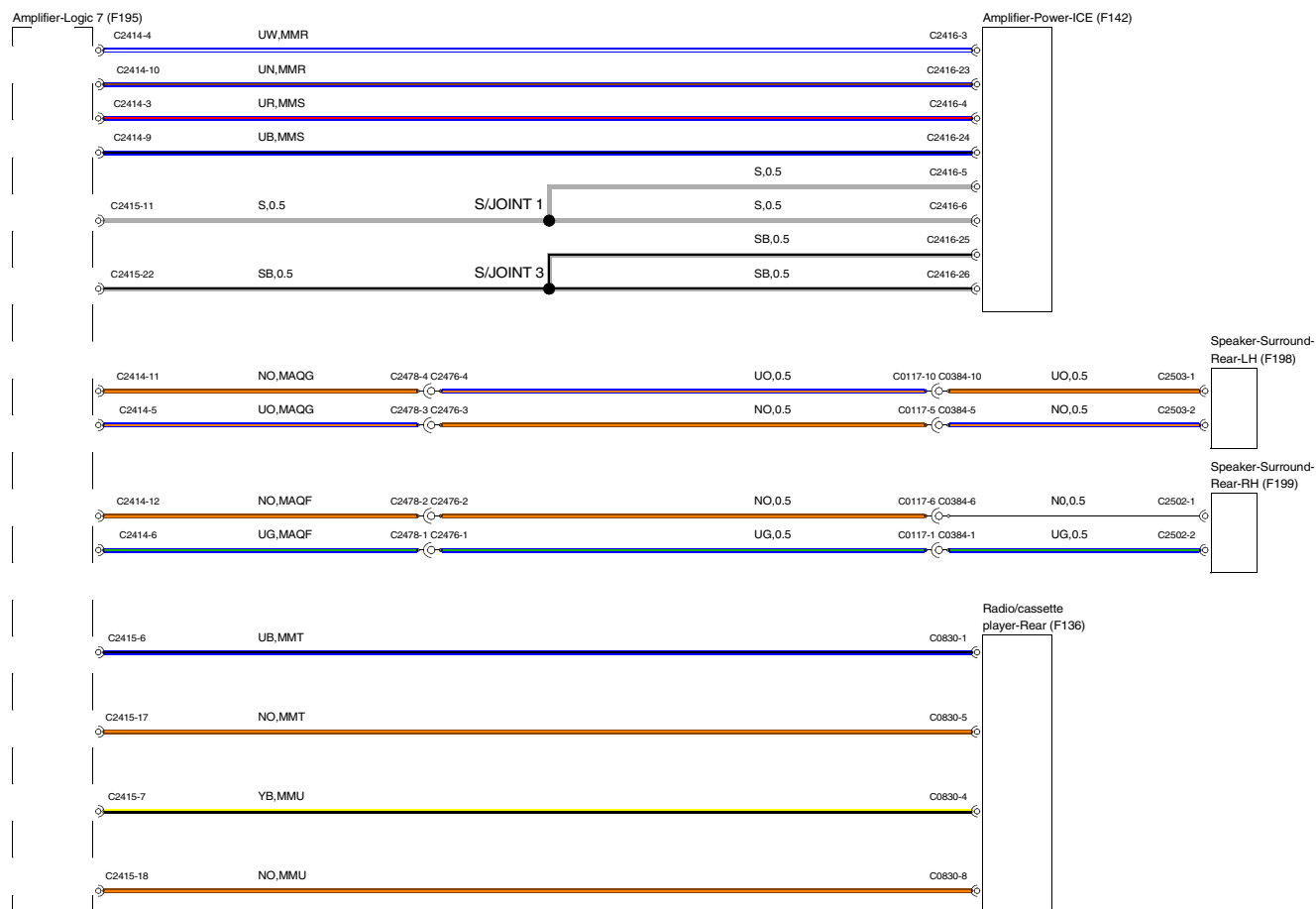


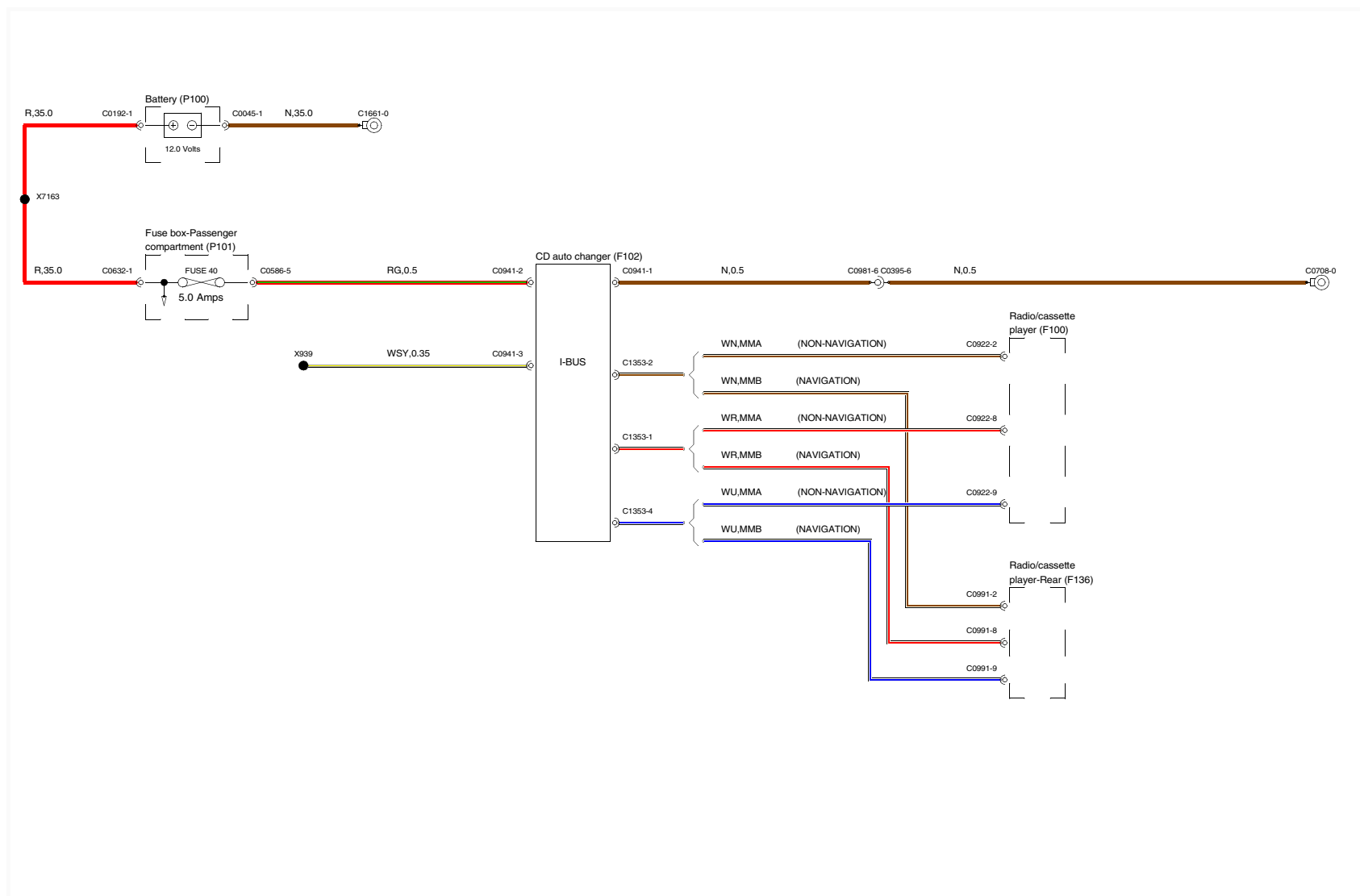


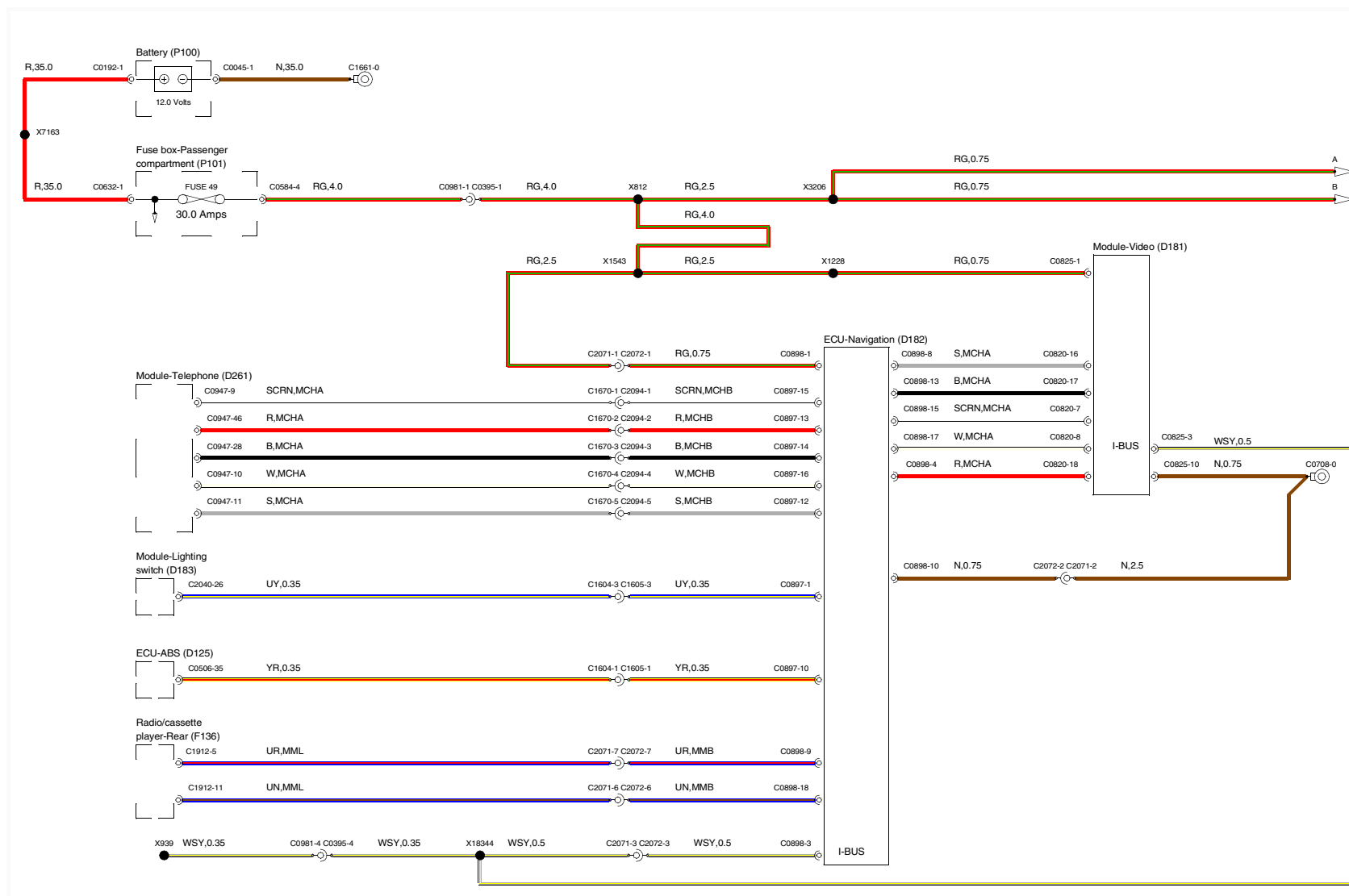


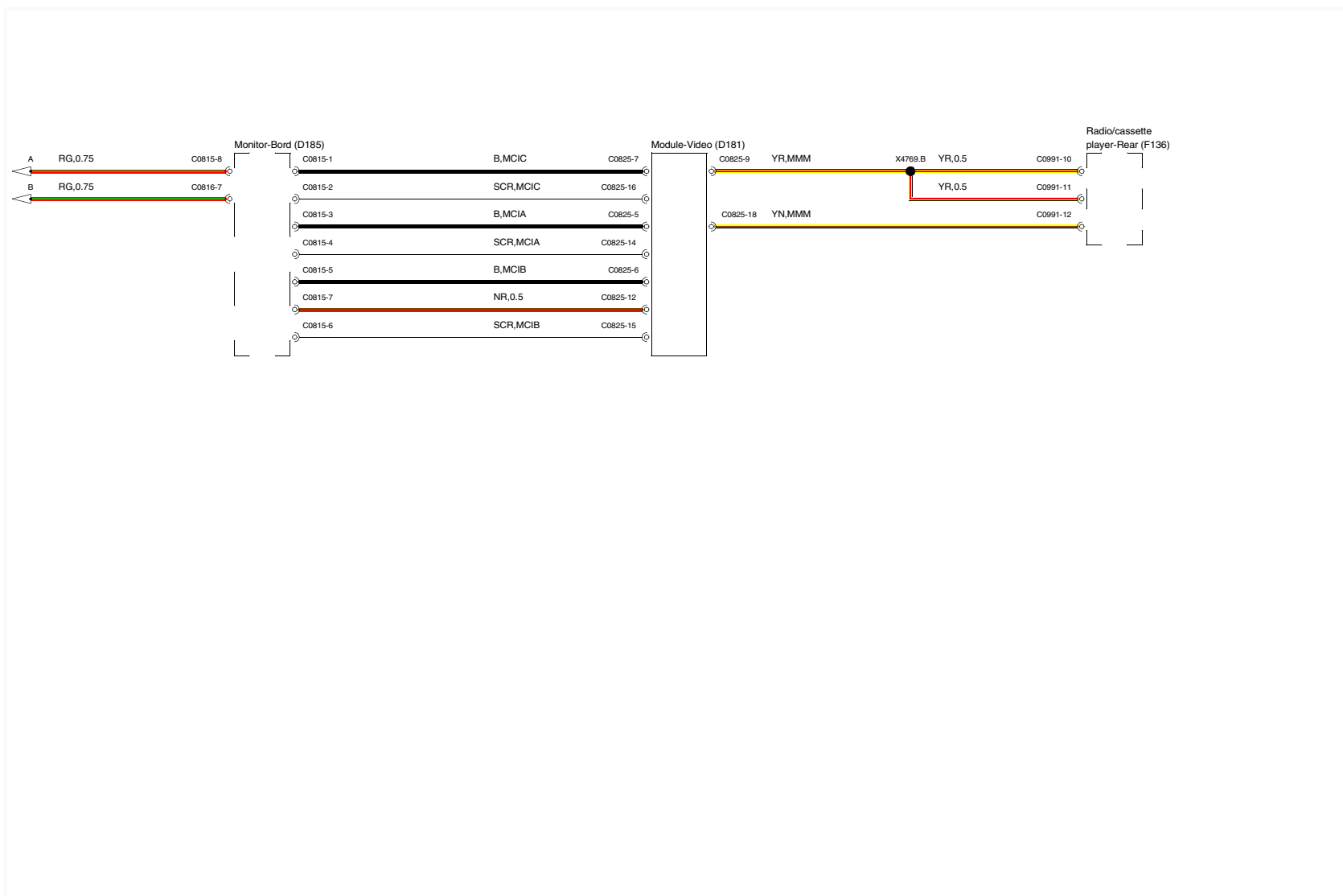


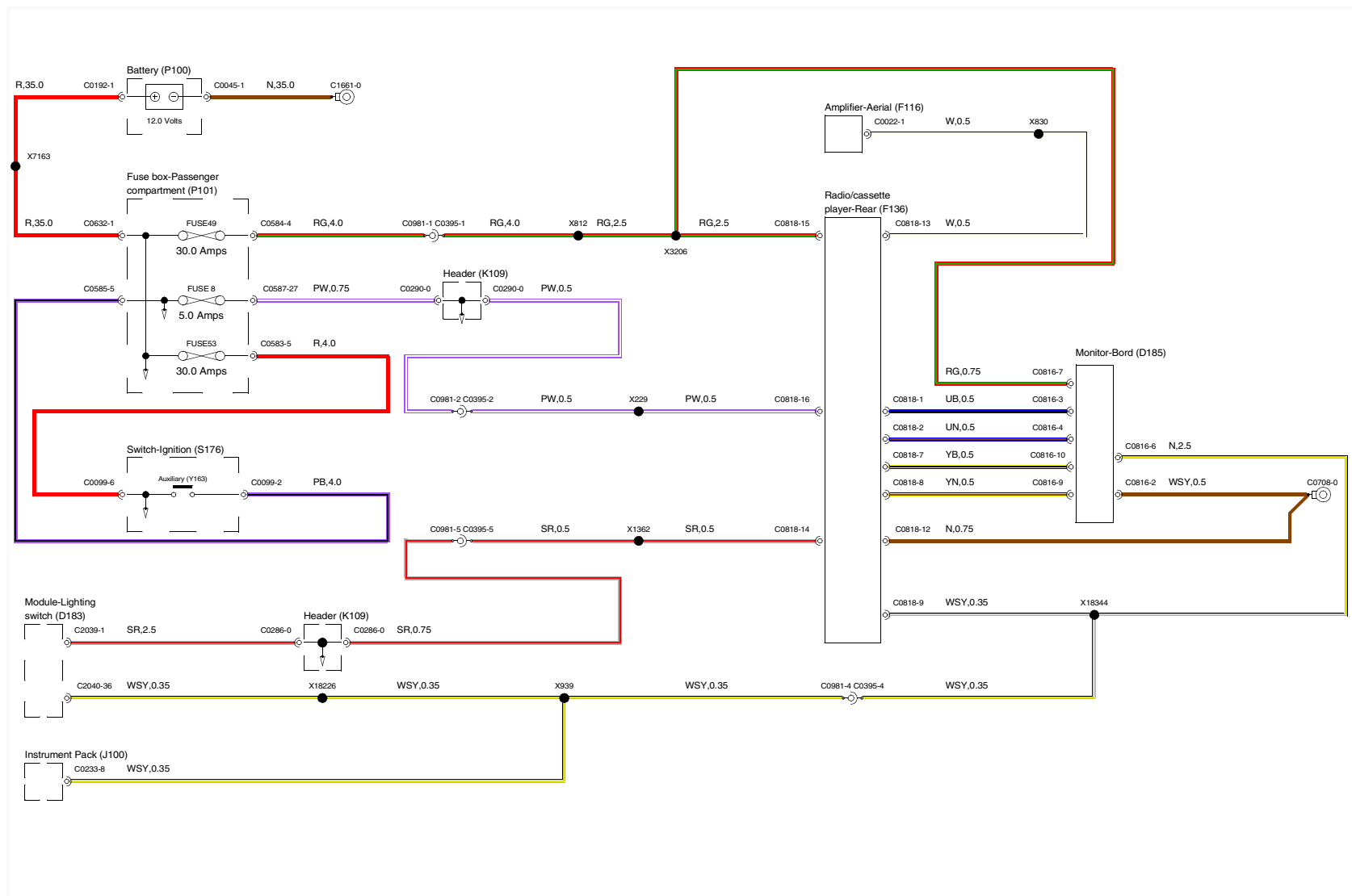


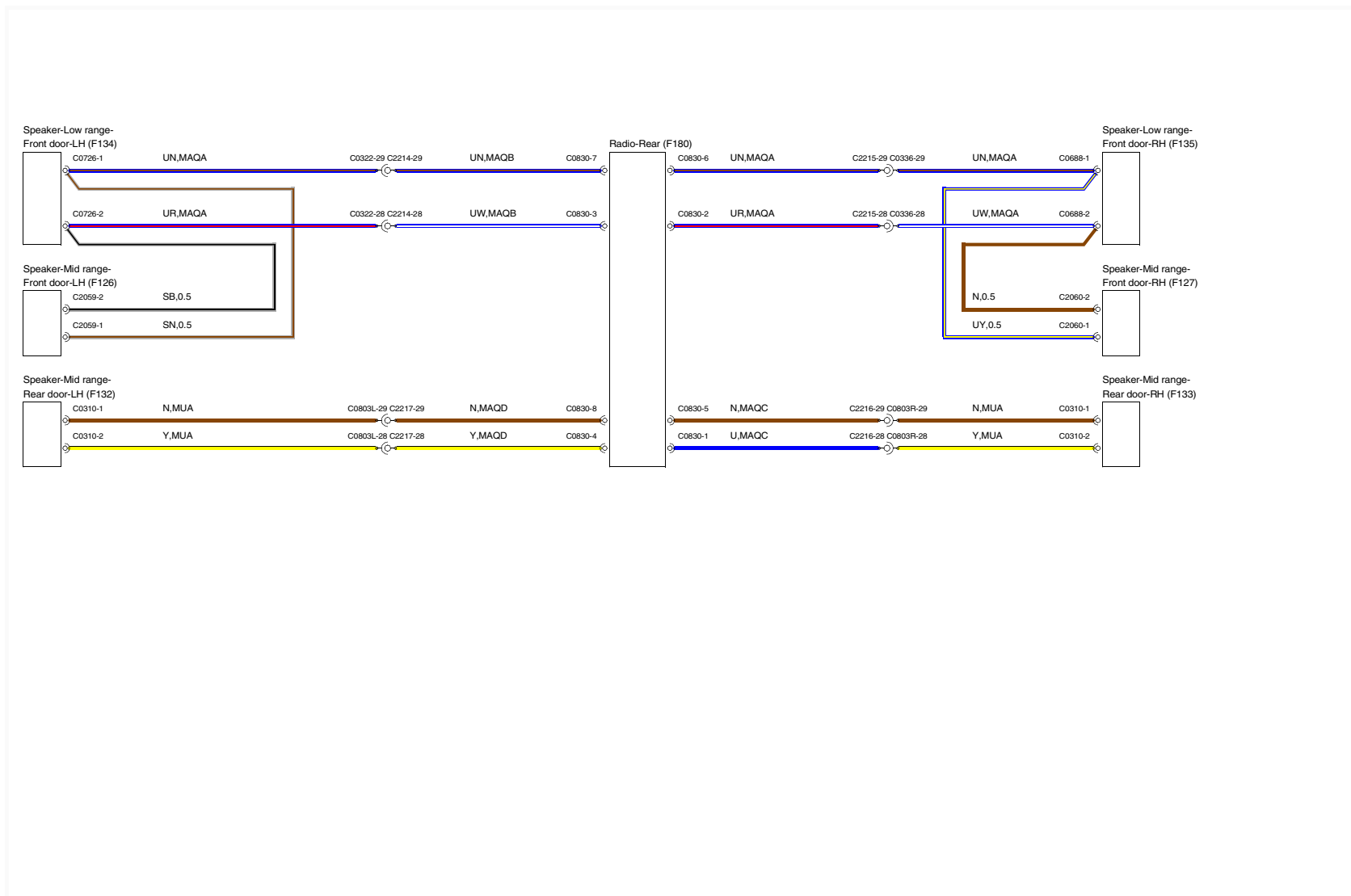


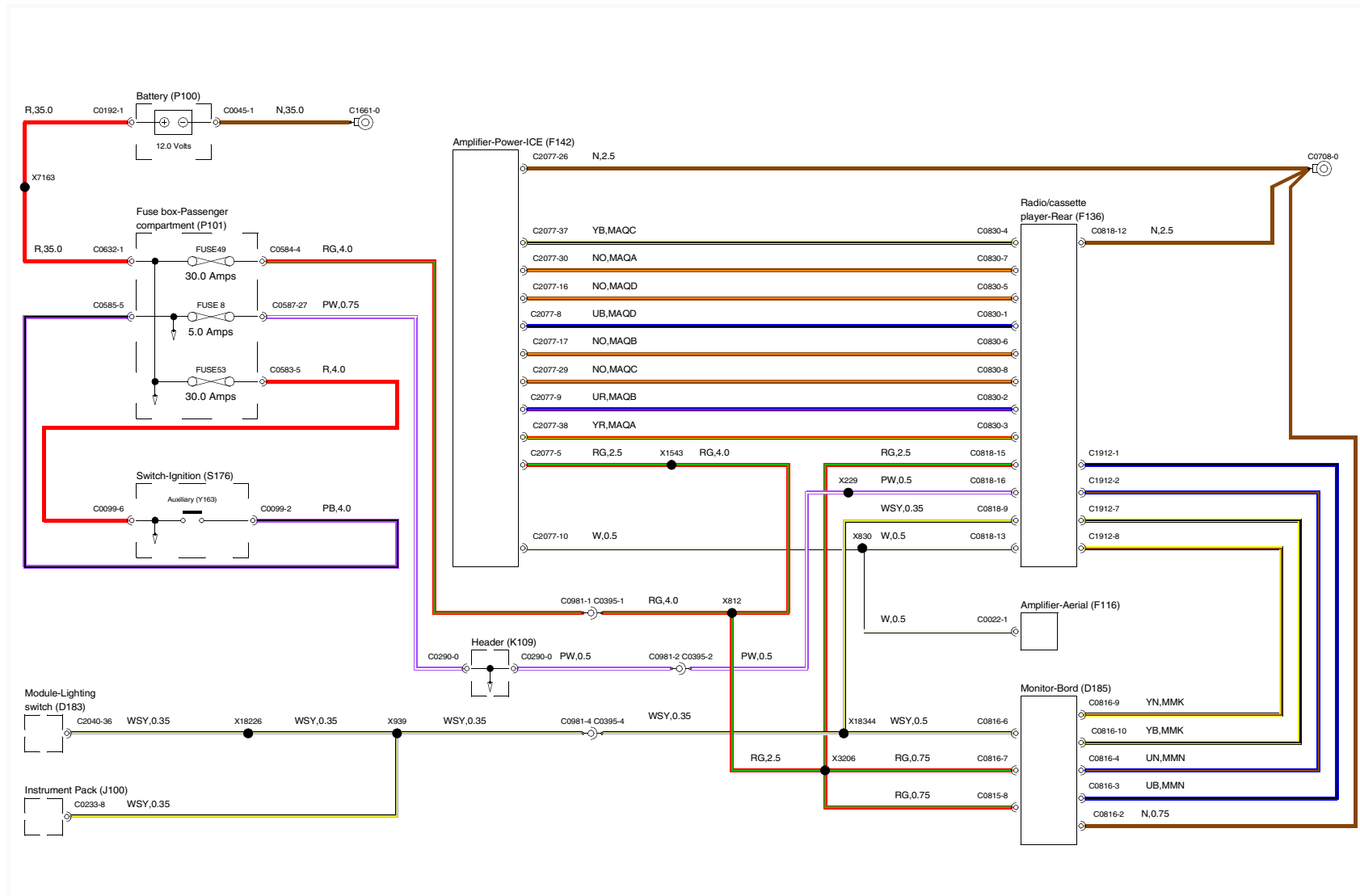


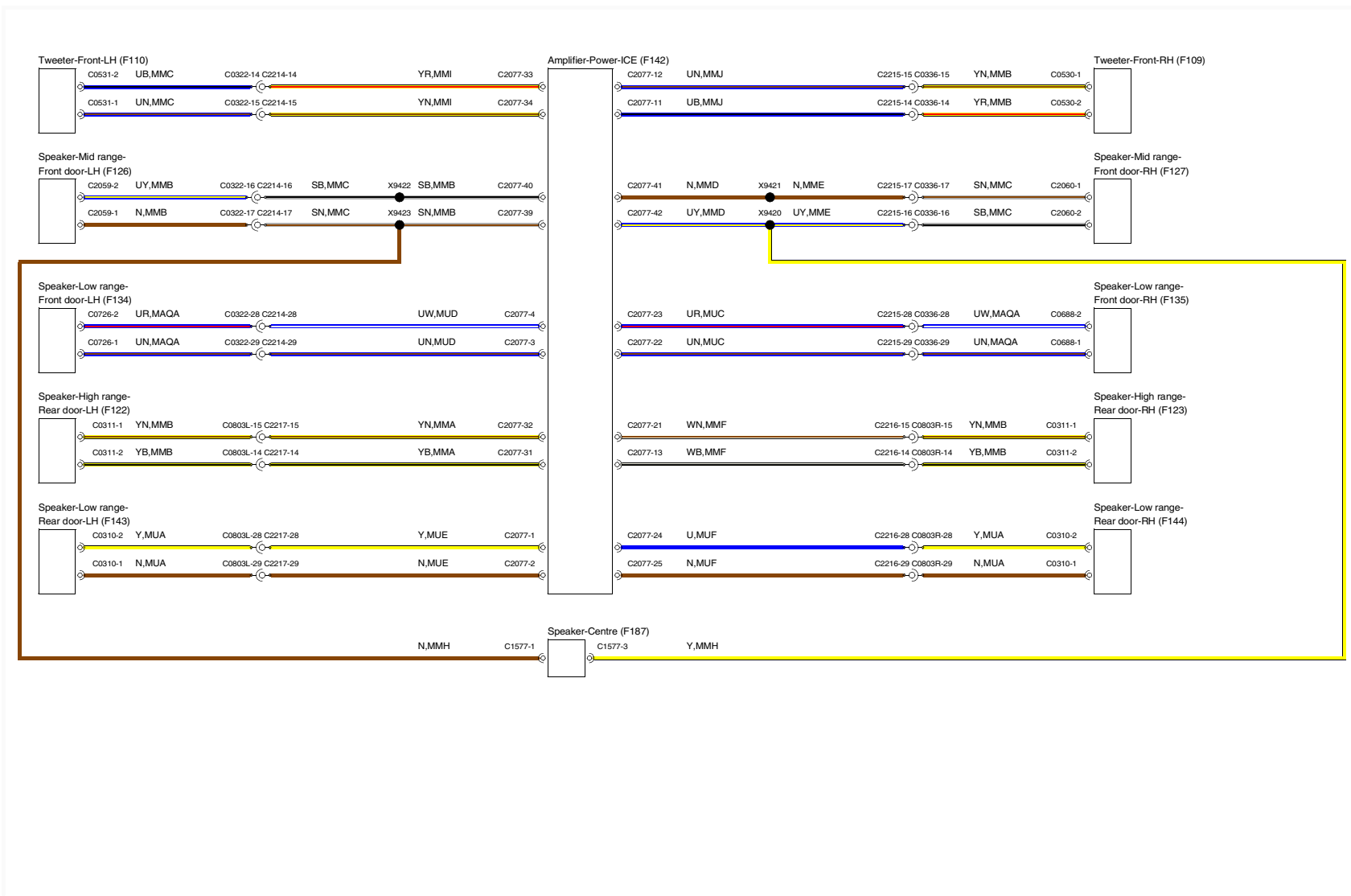


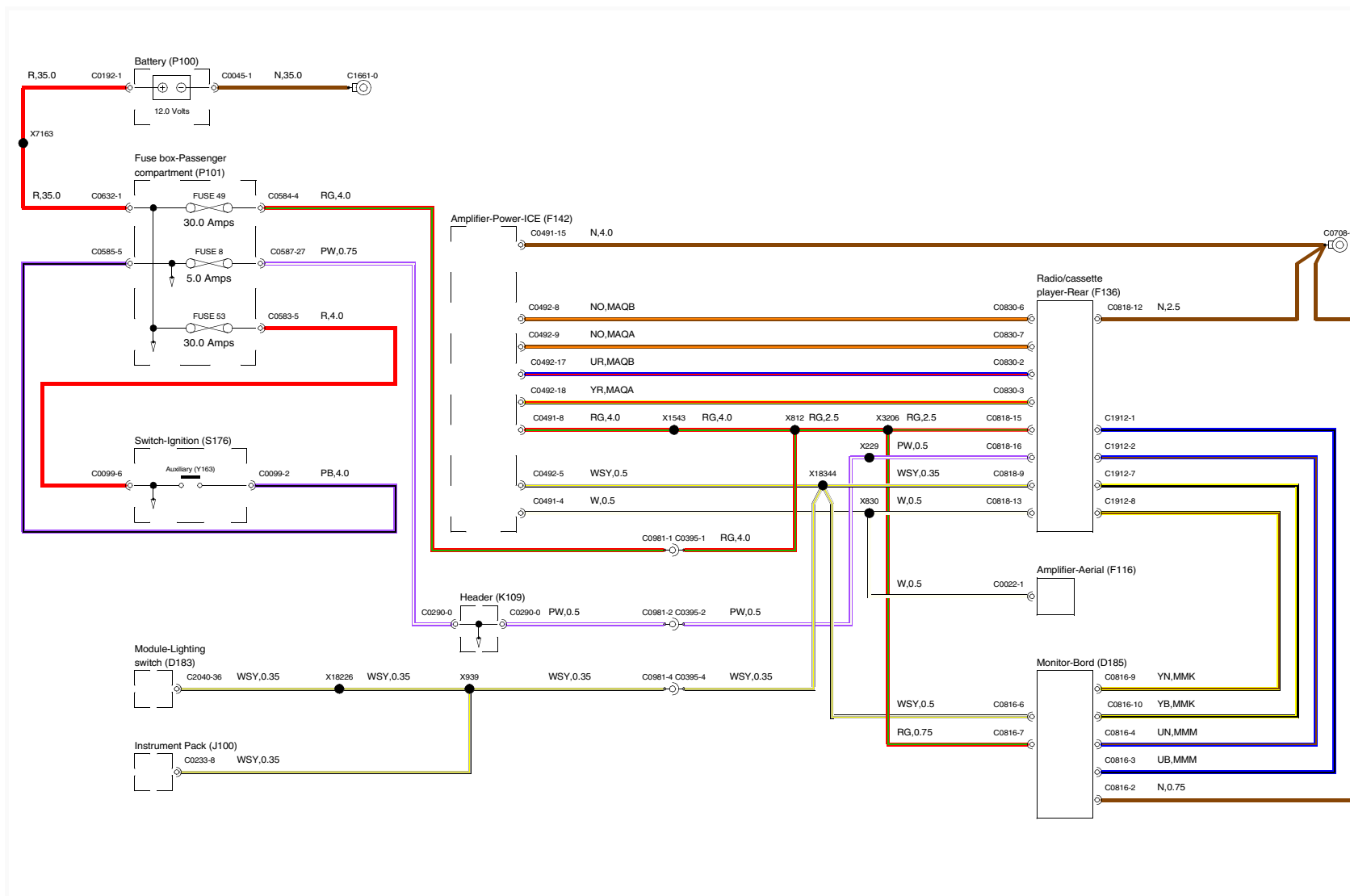


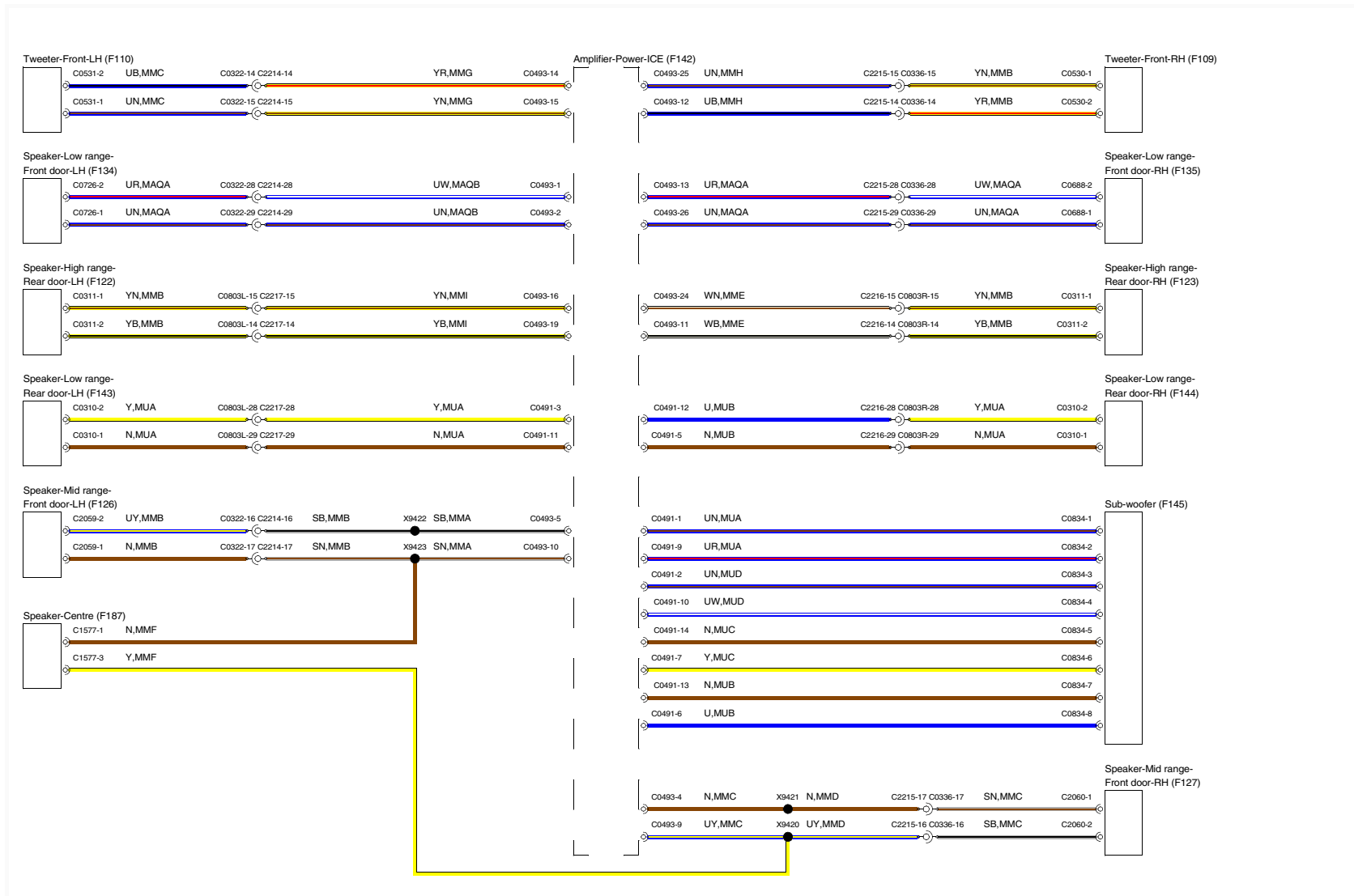




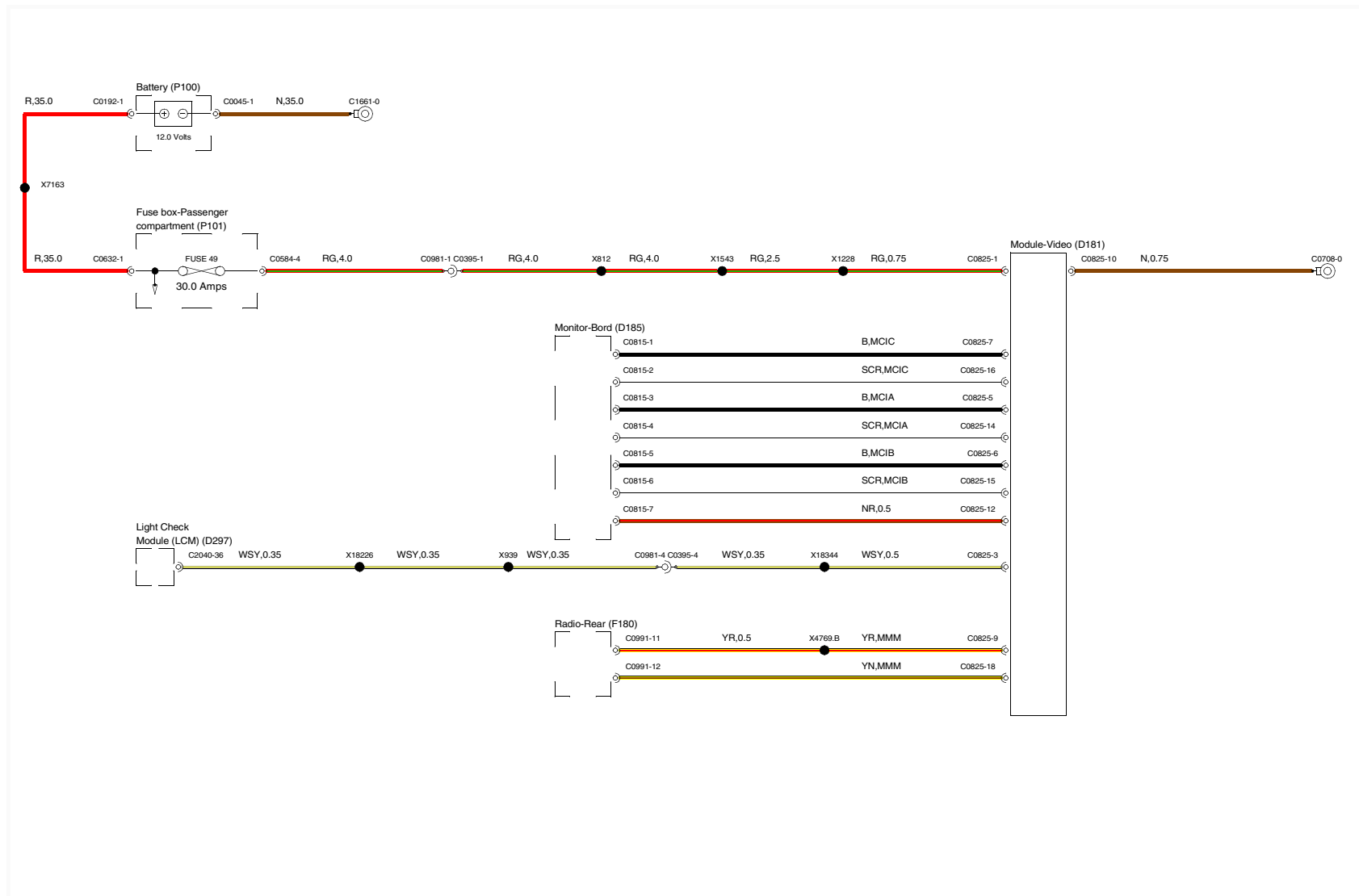




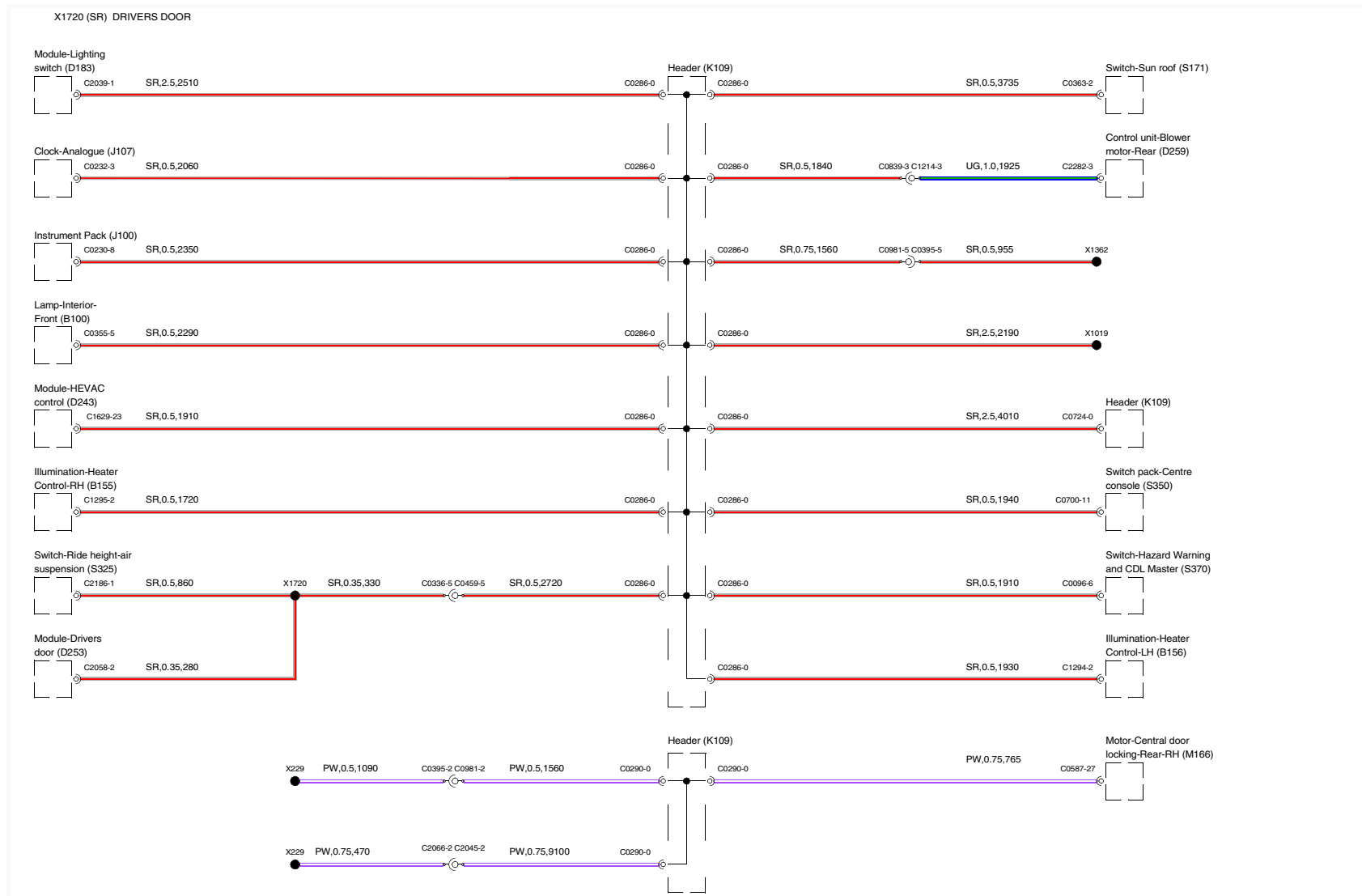


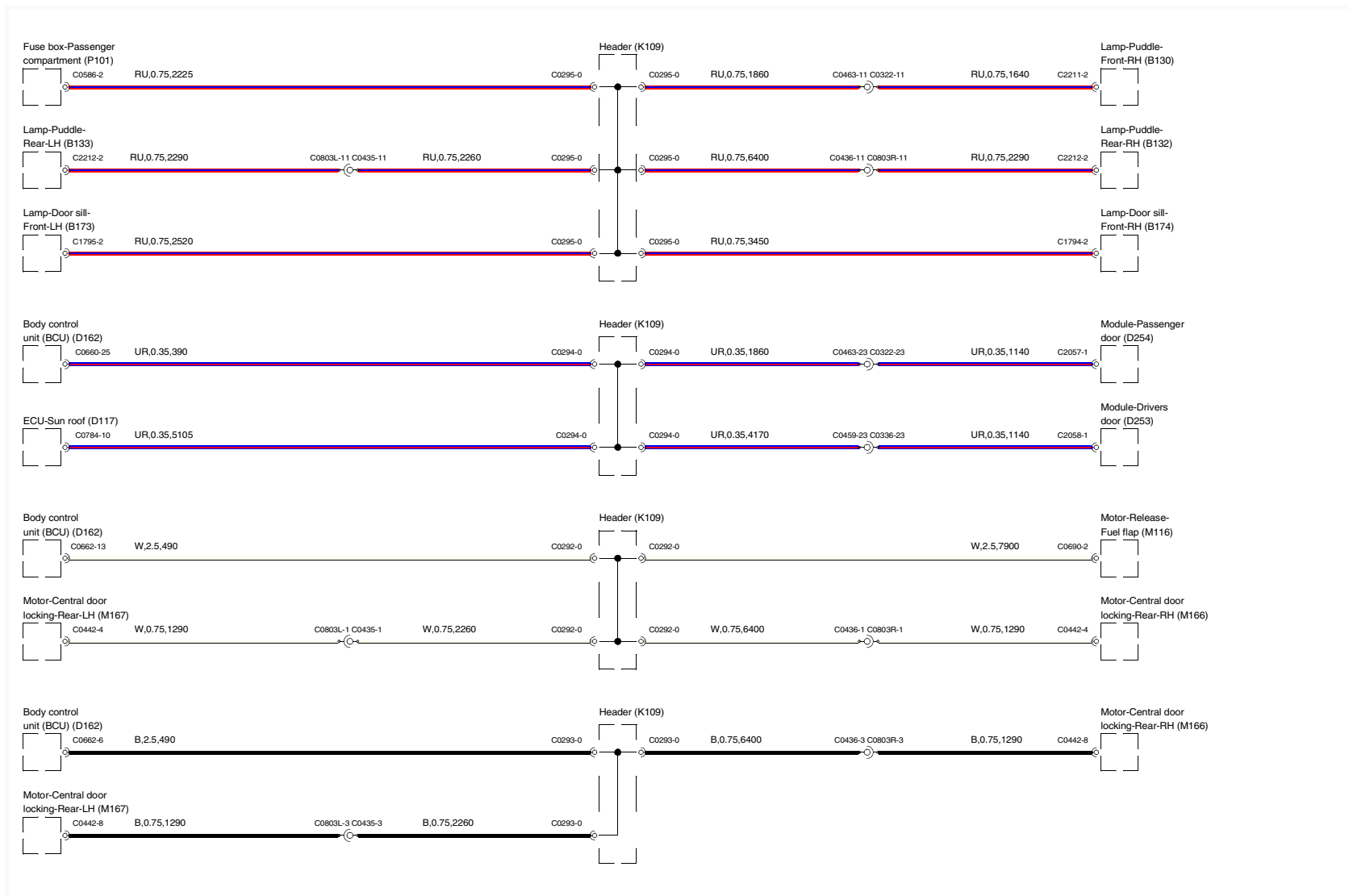


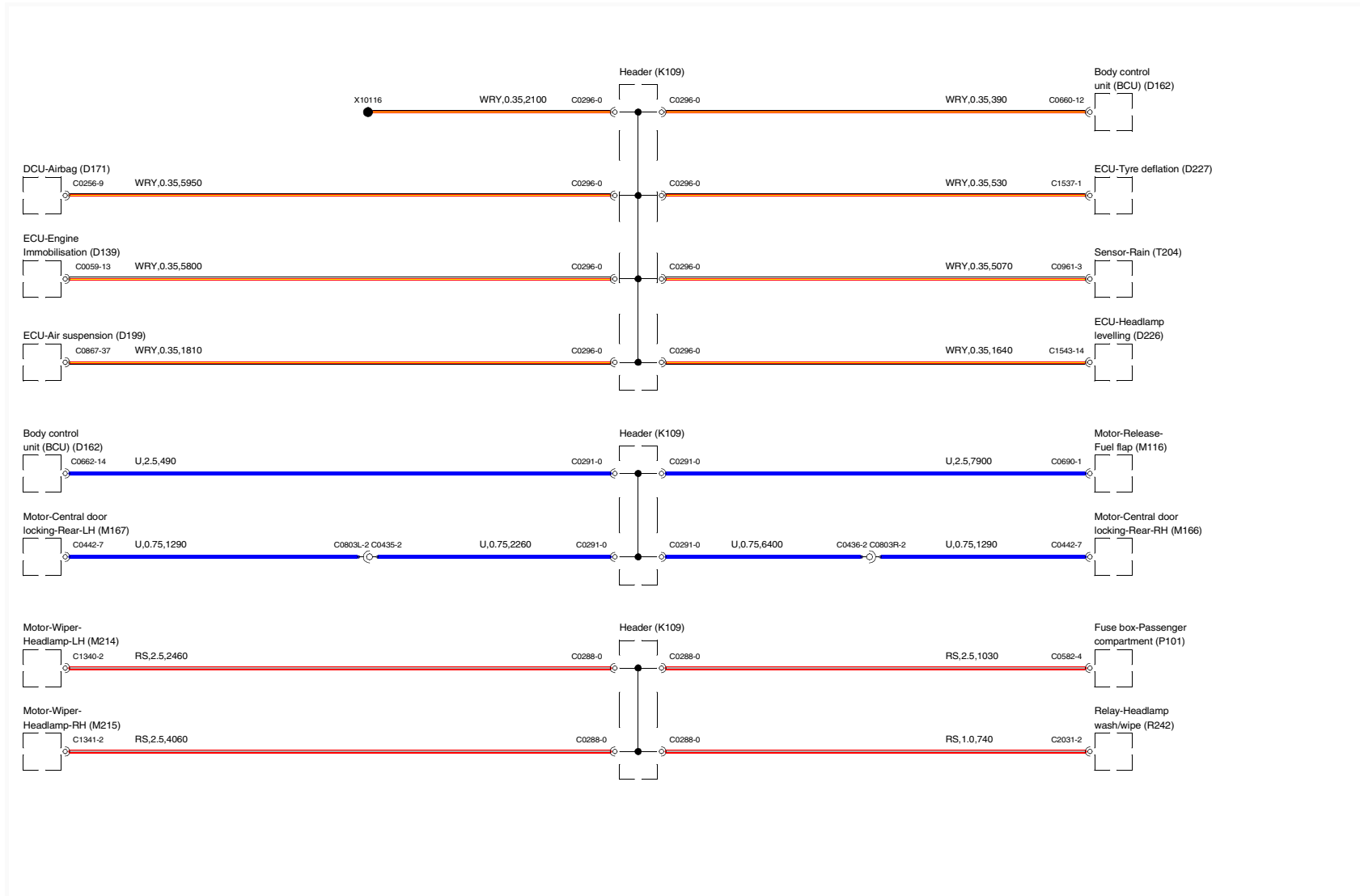
57 VIDEO MODULE

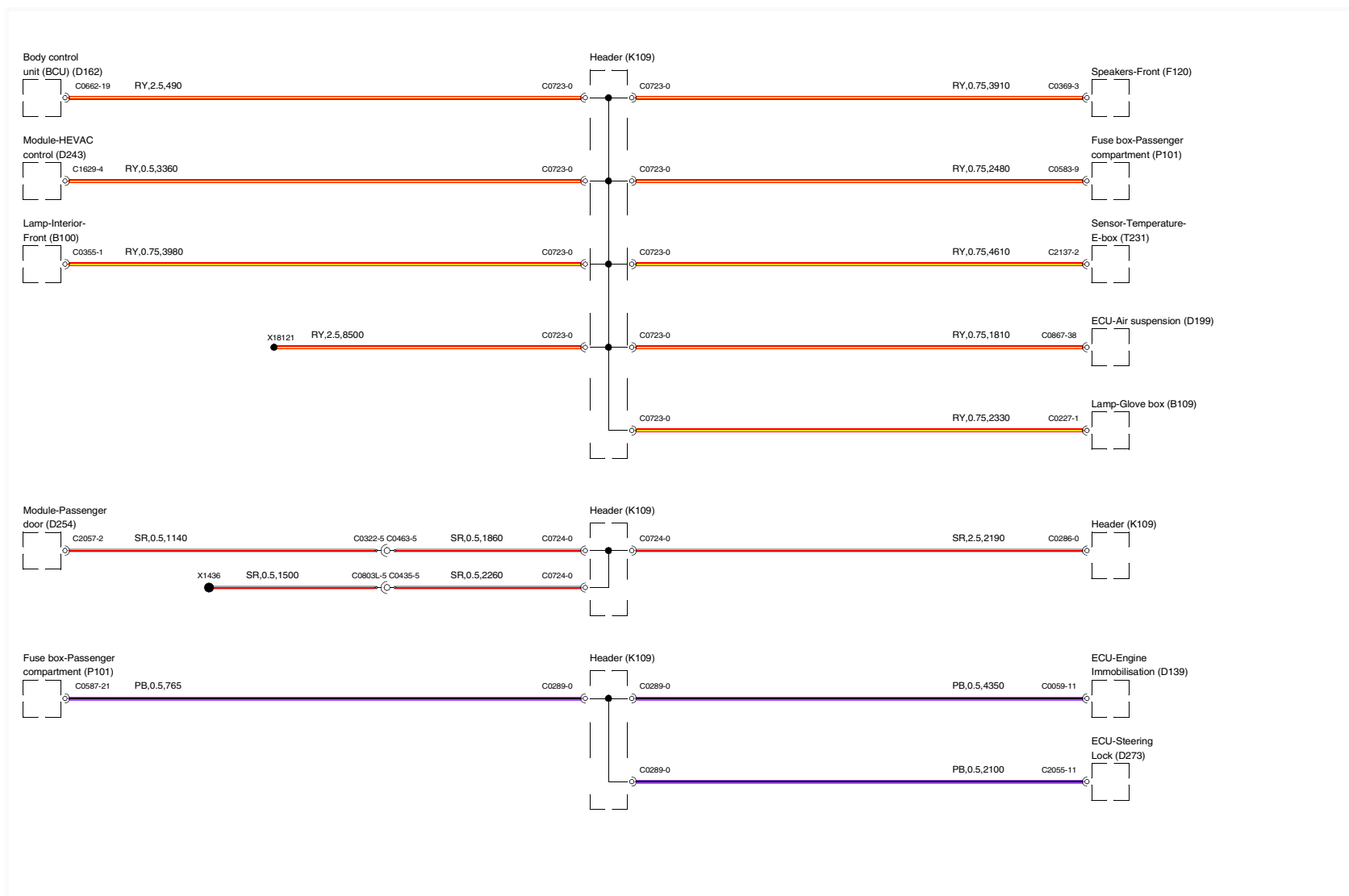


60 HEADER JOINTS

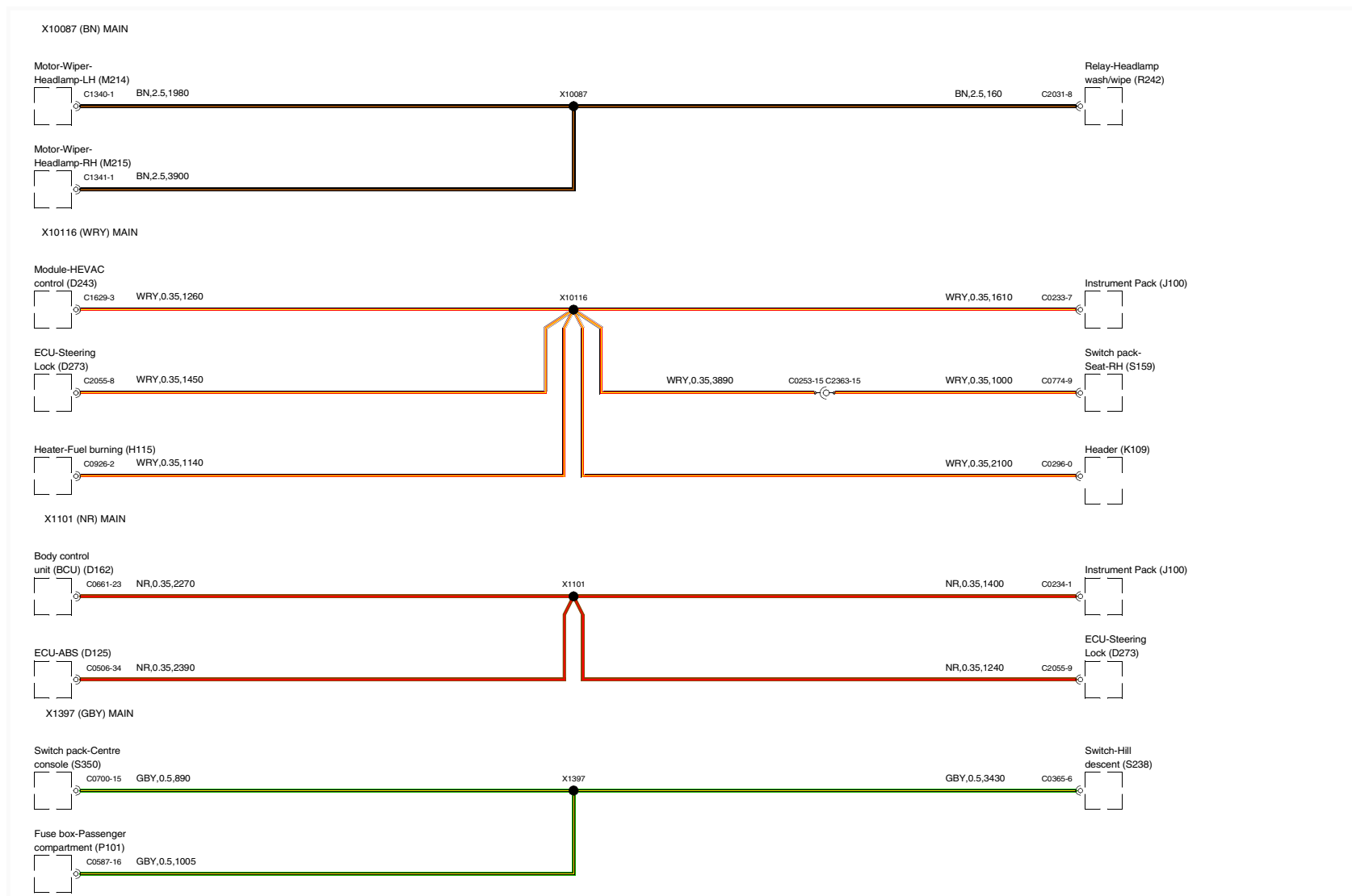


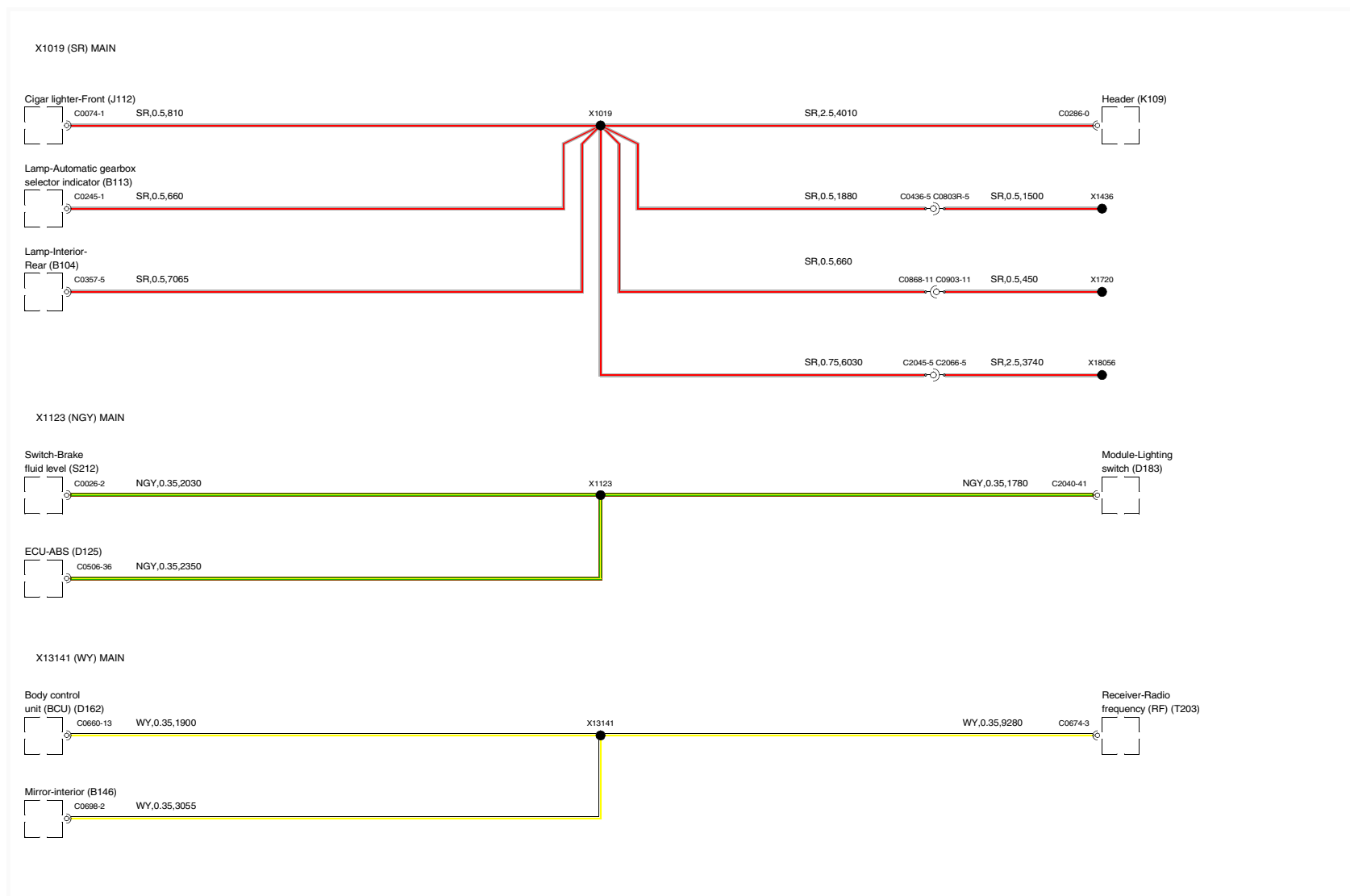




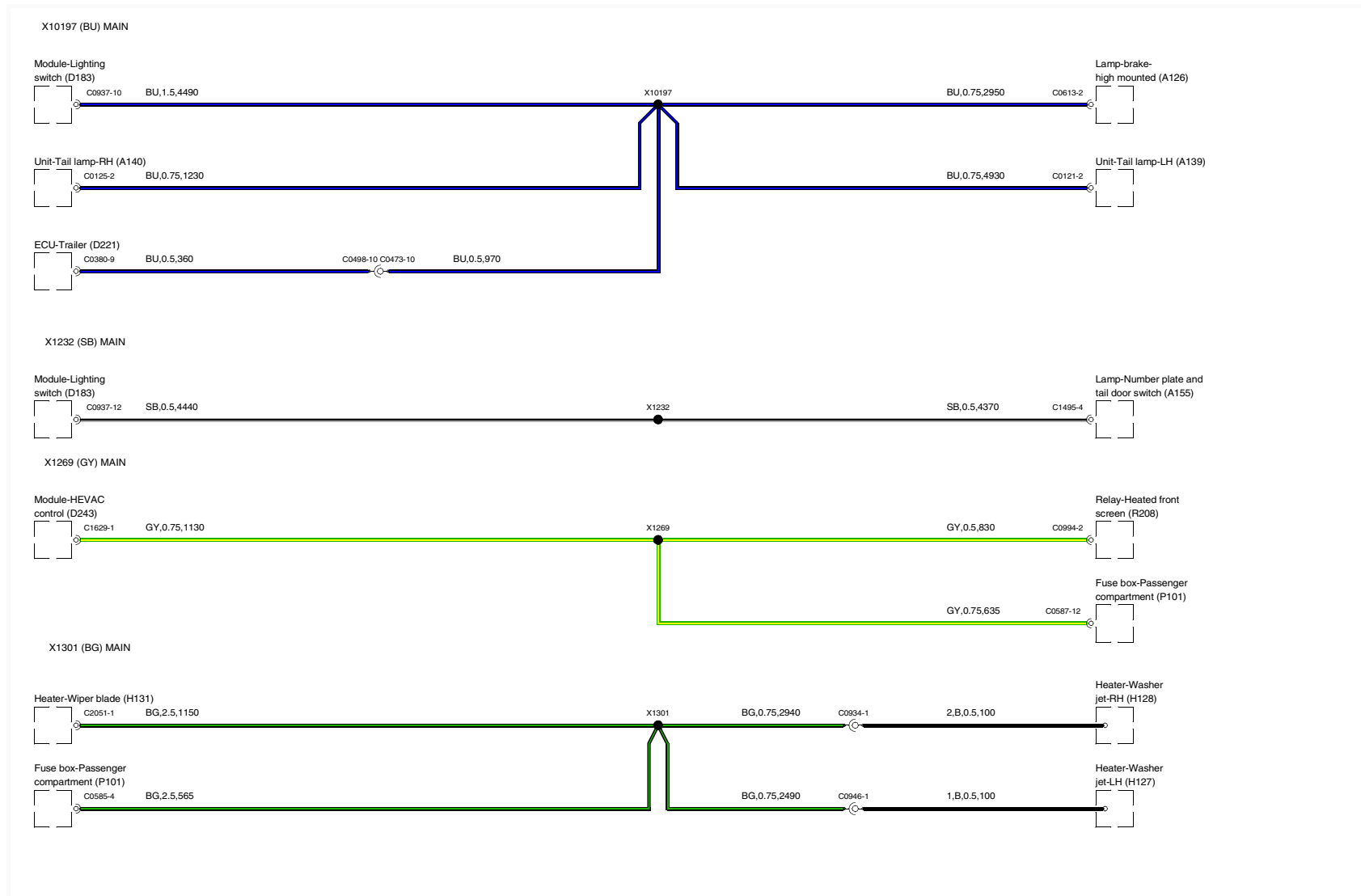


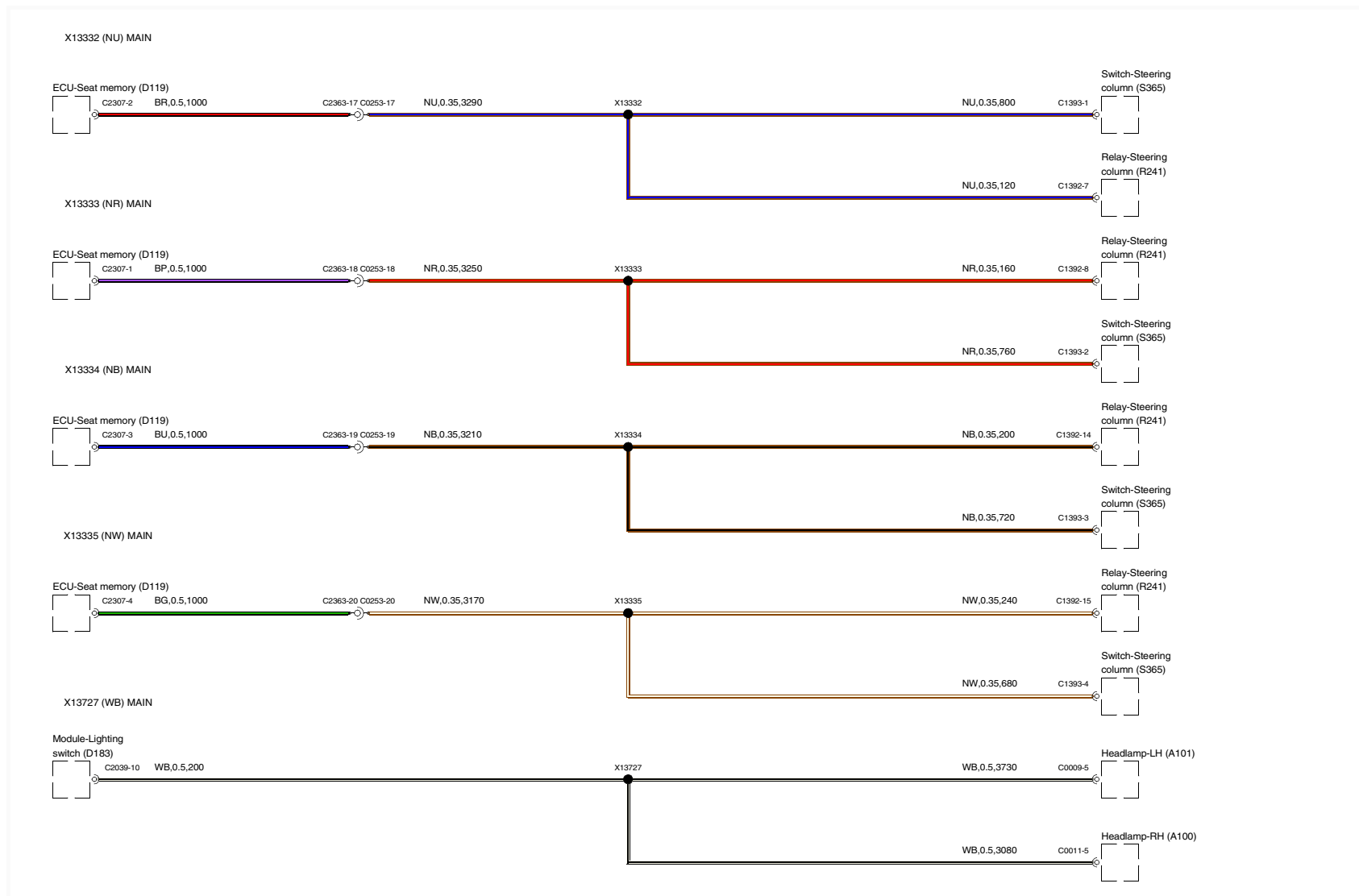
65 SPLICES AND CENTRE TAPS



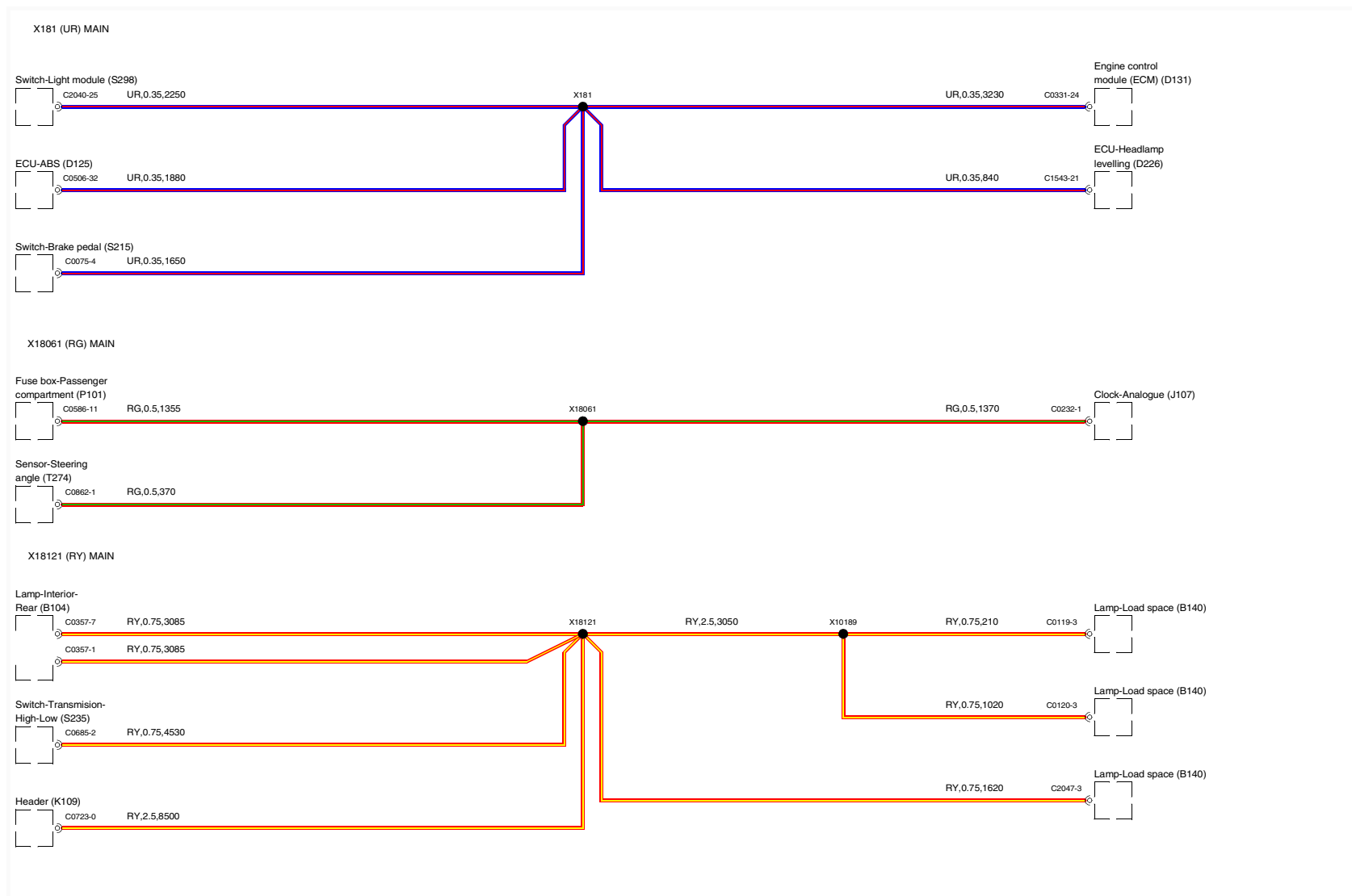


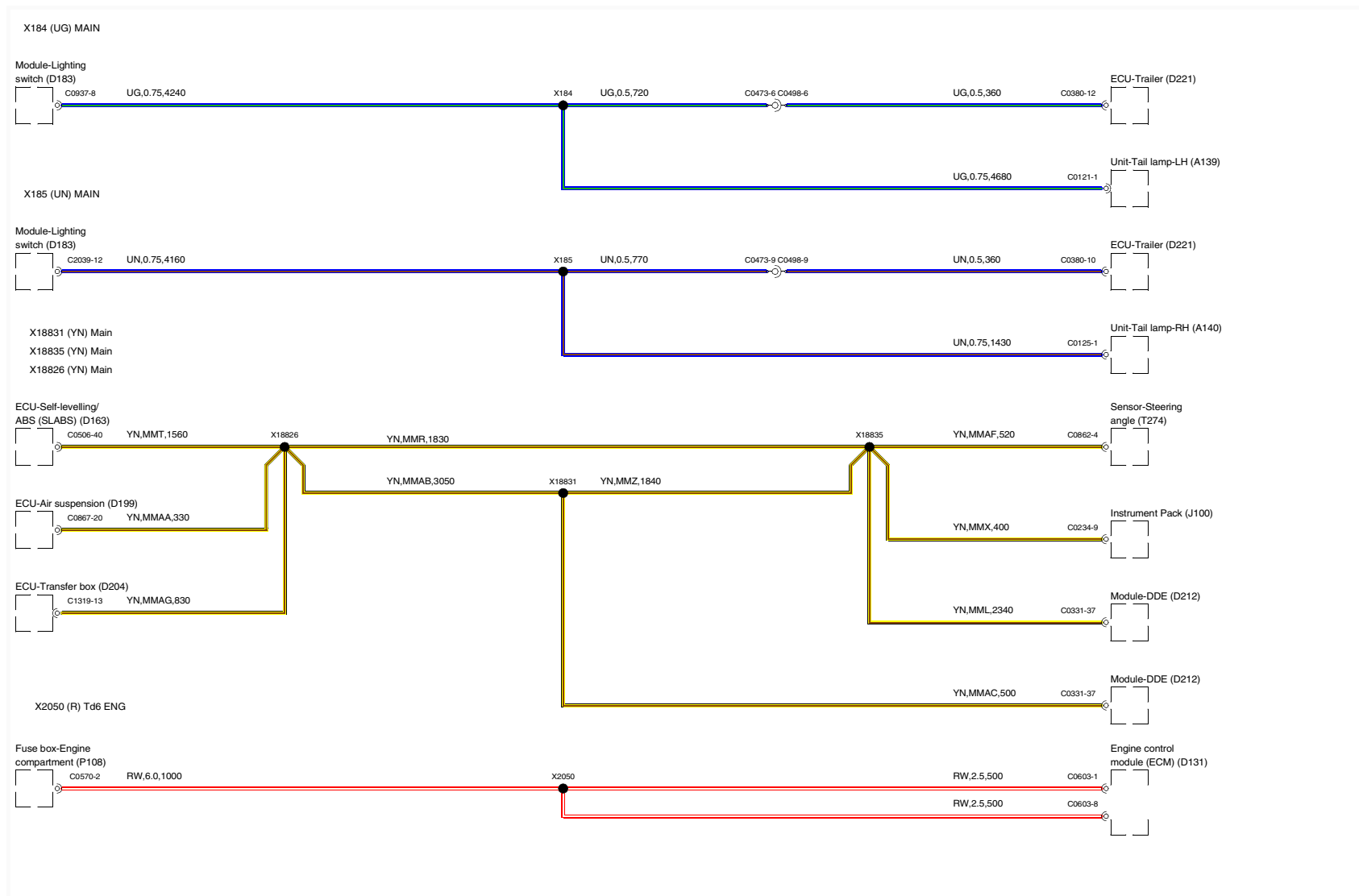
65 SPLICES AND CENTRE TAPS



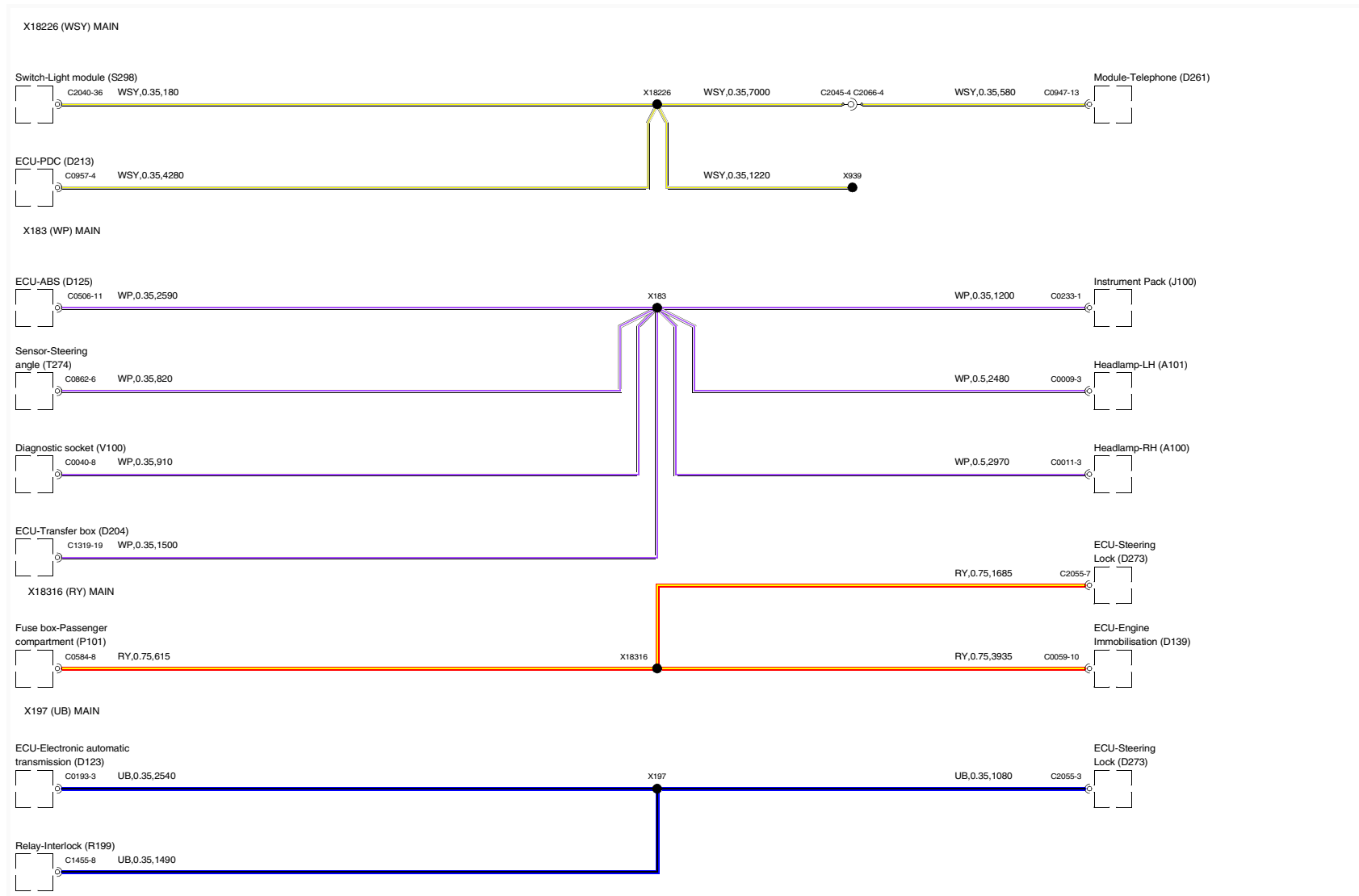


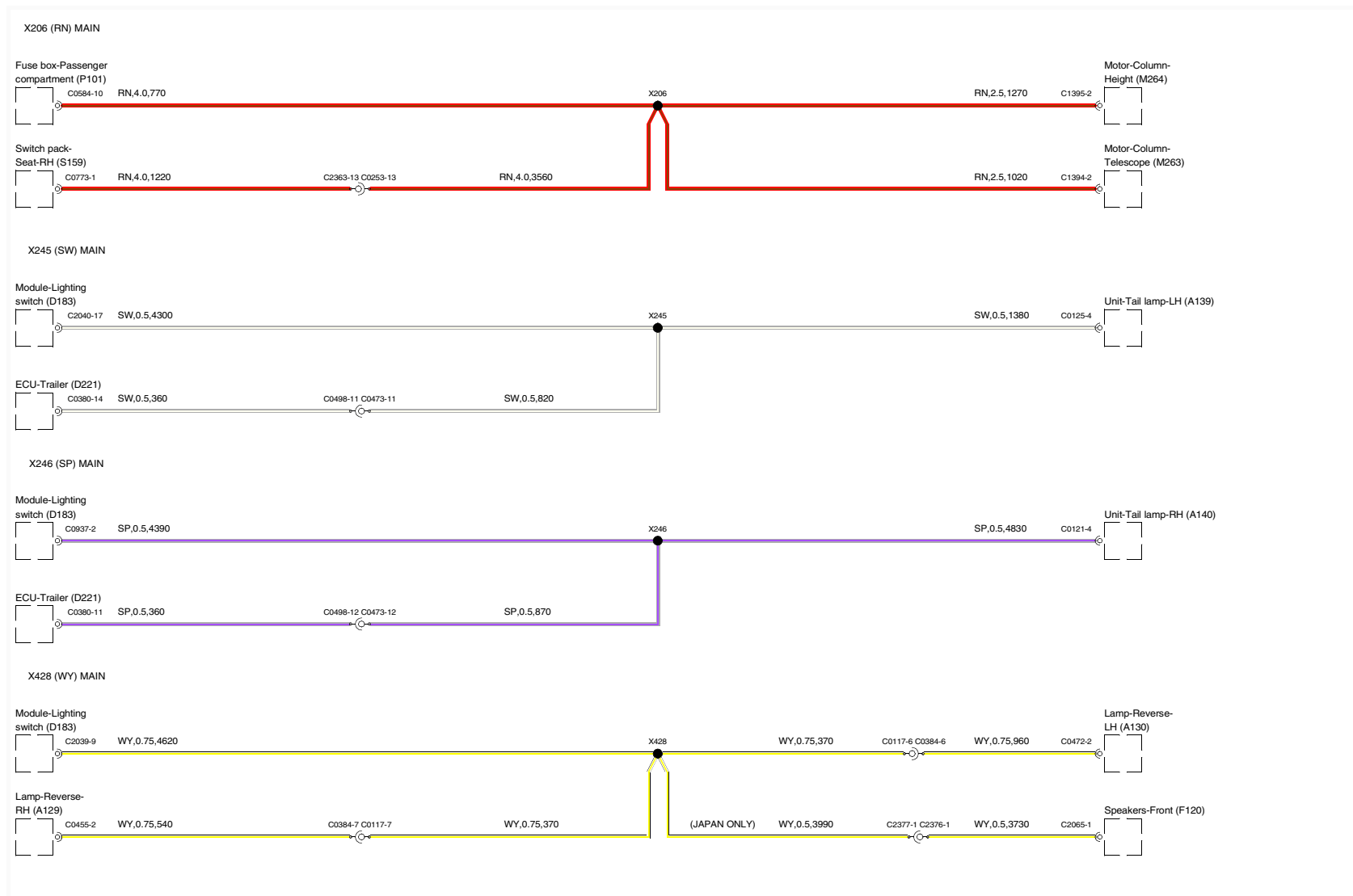
65 SPLICES AND CENTRE TAPS



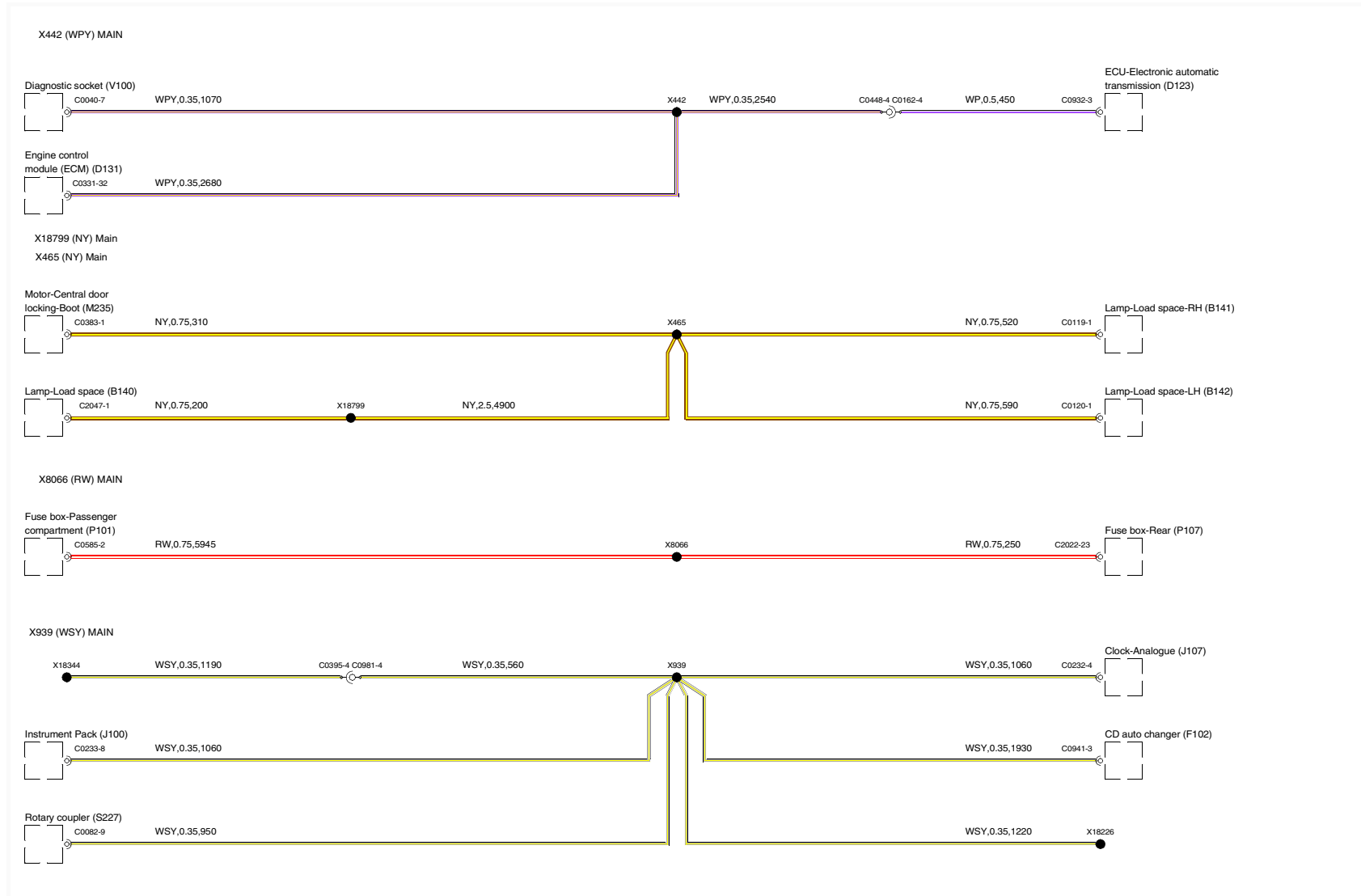


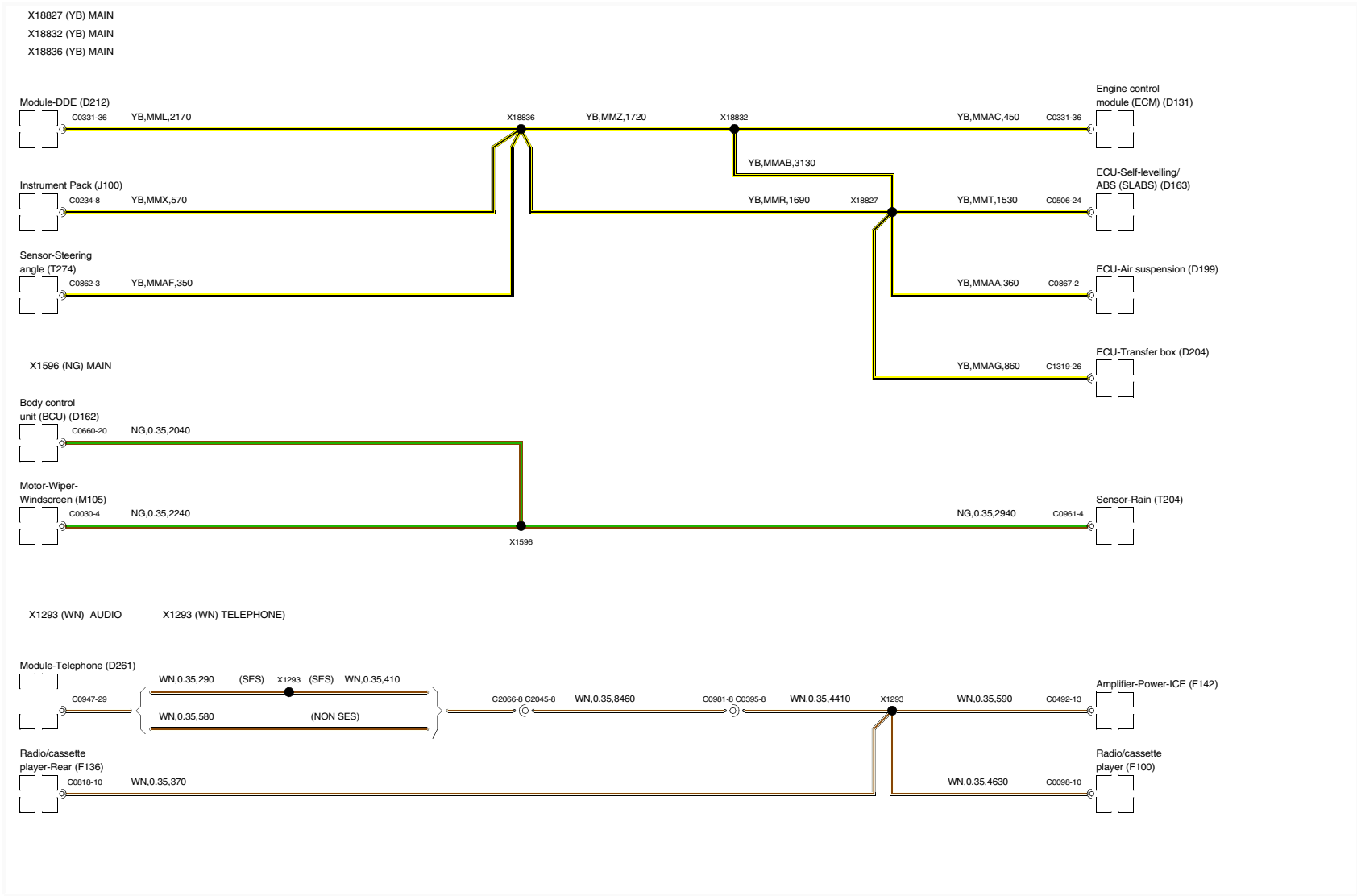
65 SPLICES AND CENTRE TAPS



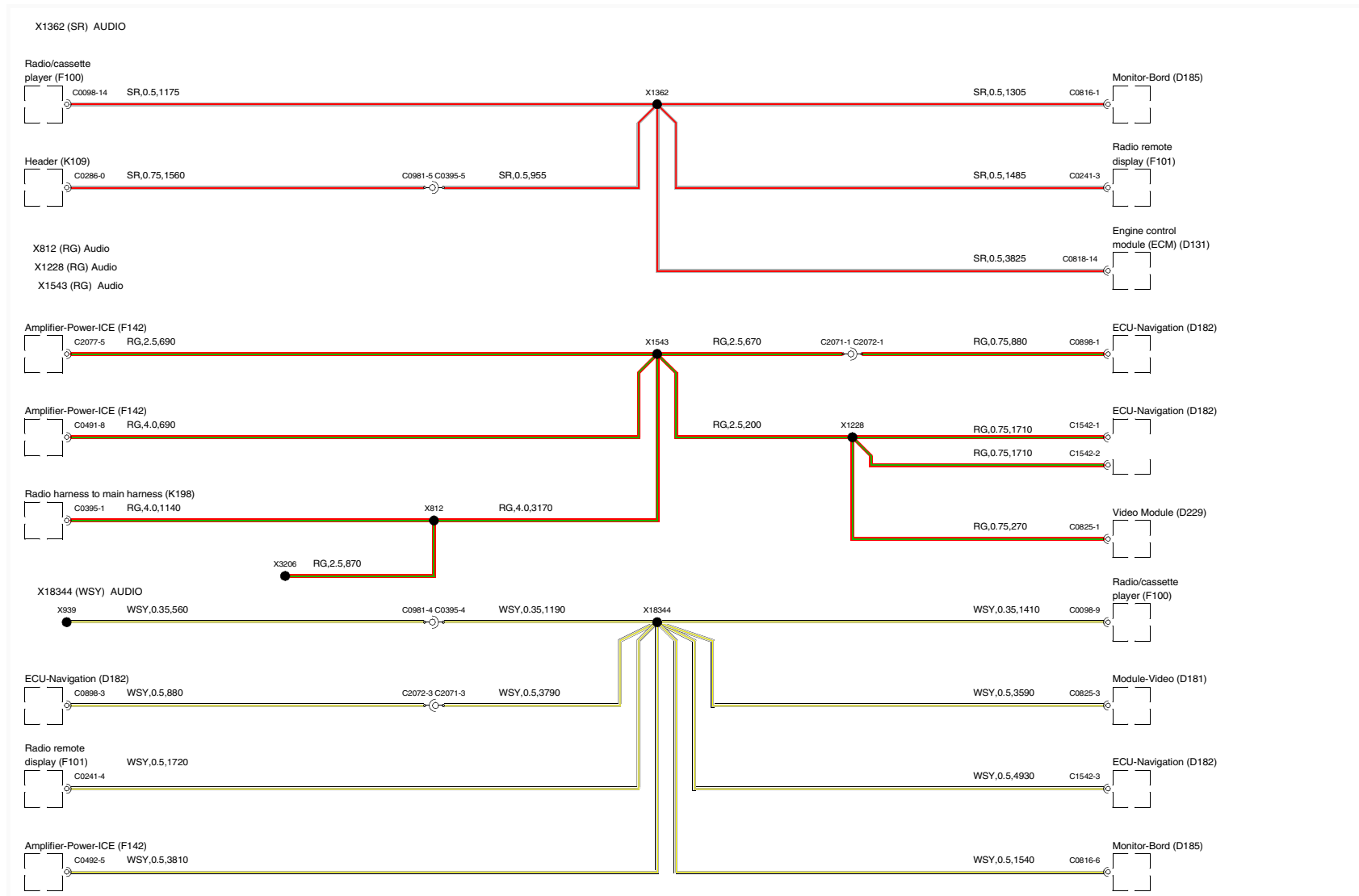


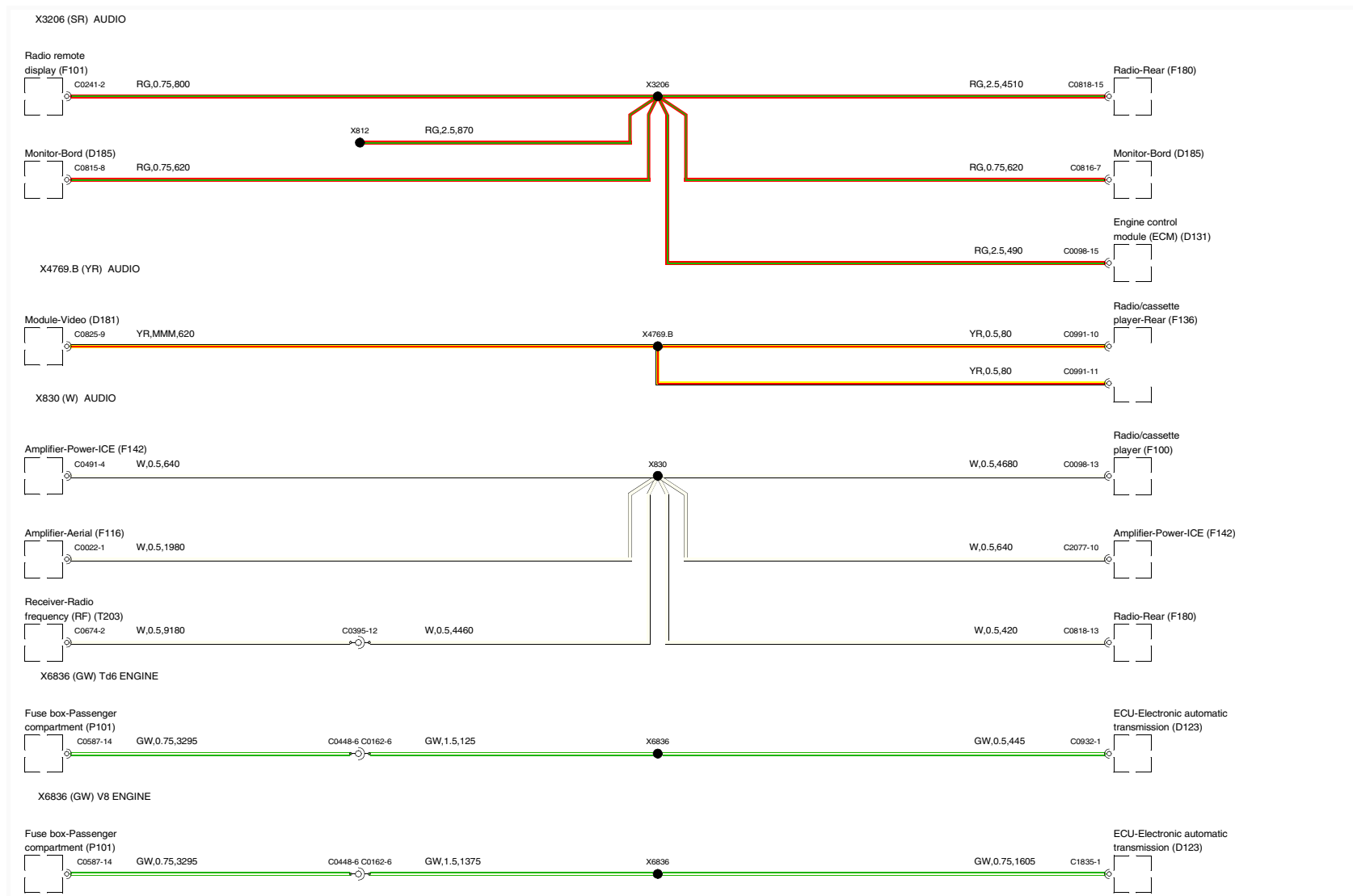
65 SPLICES AND CENTRE TAPS



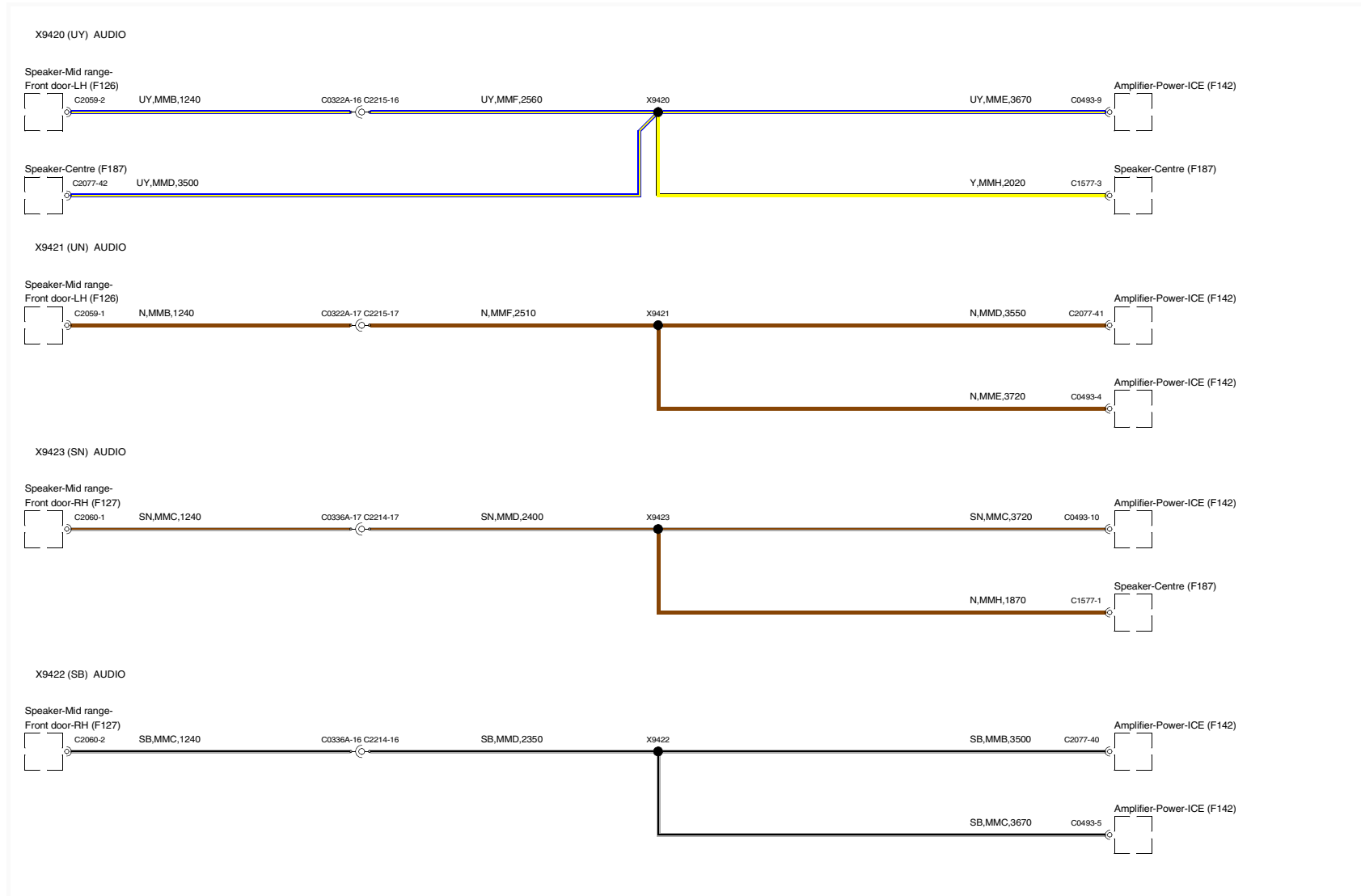


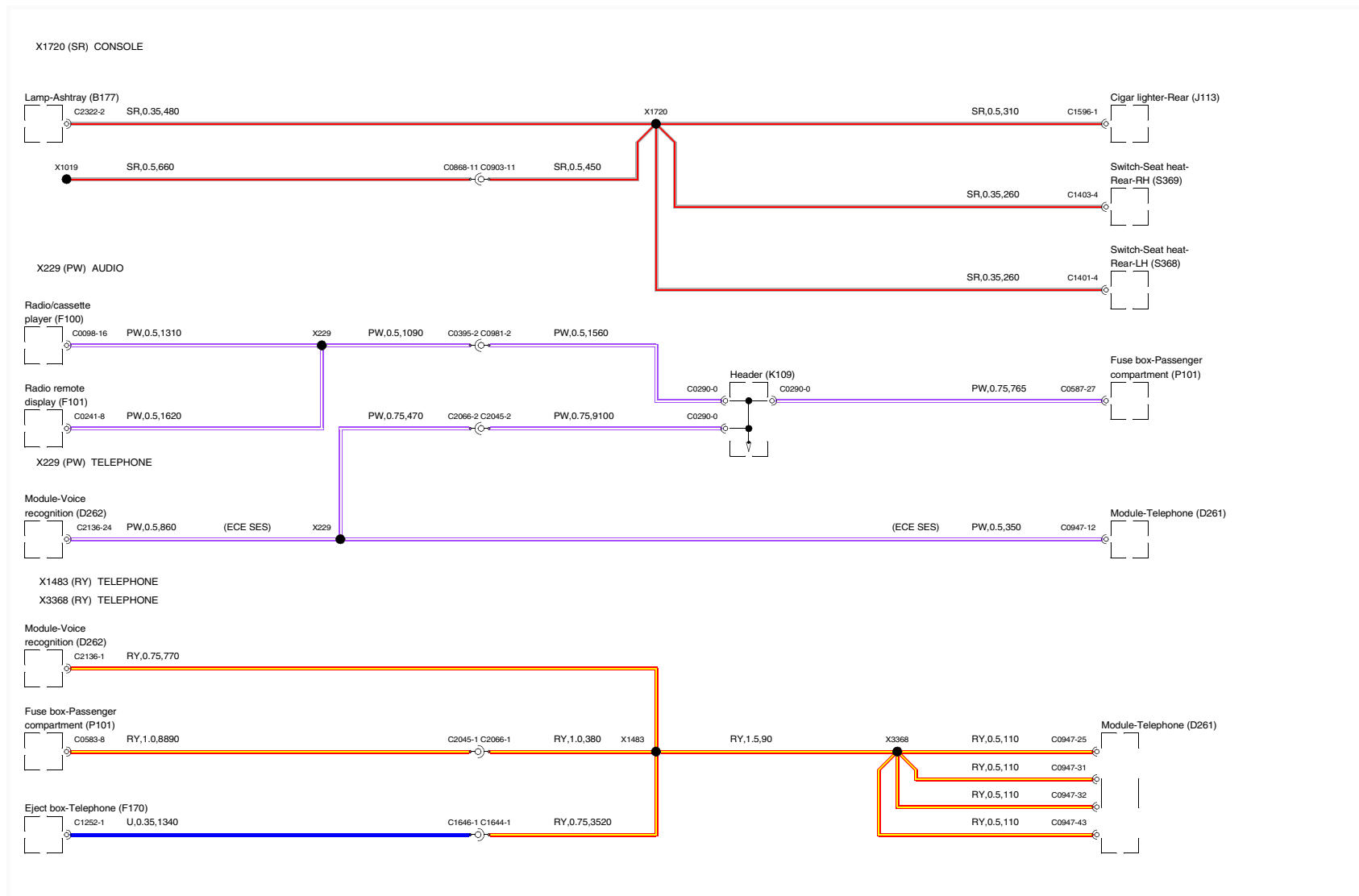
65 SPLICES AND CENTRE TAPS



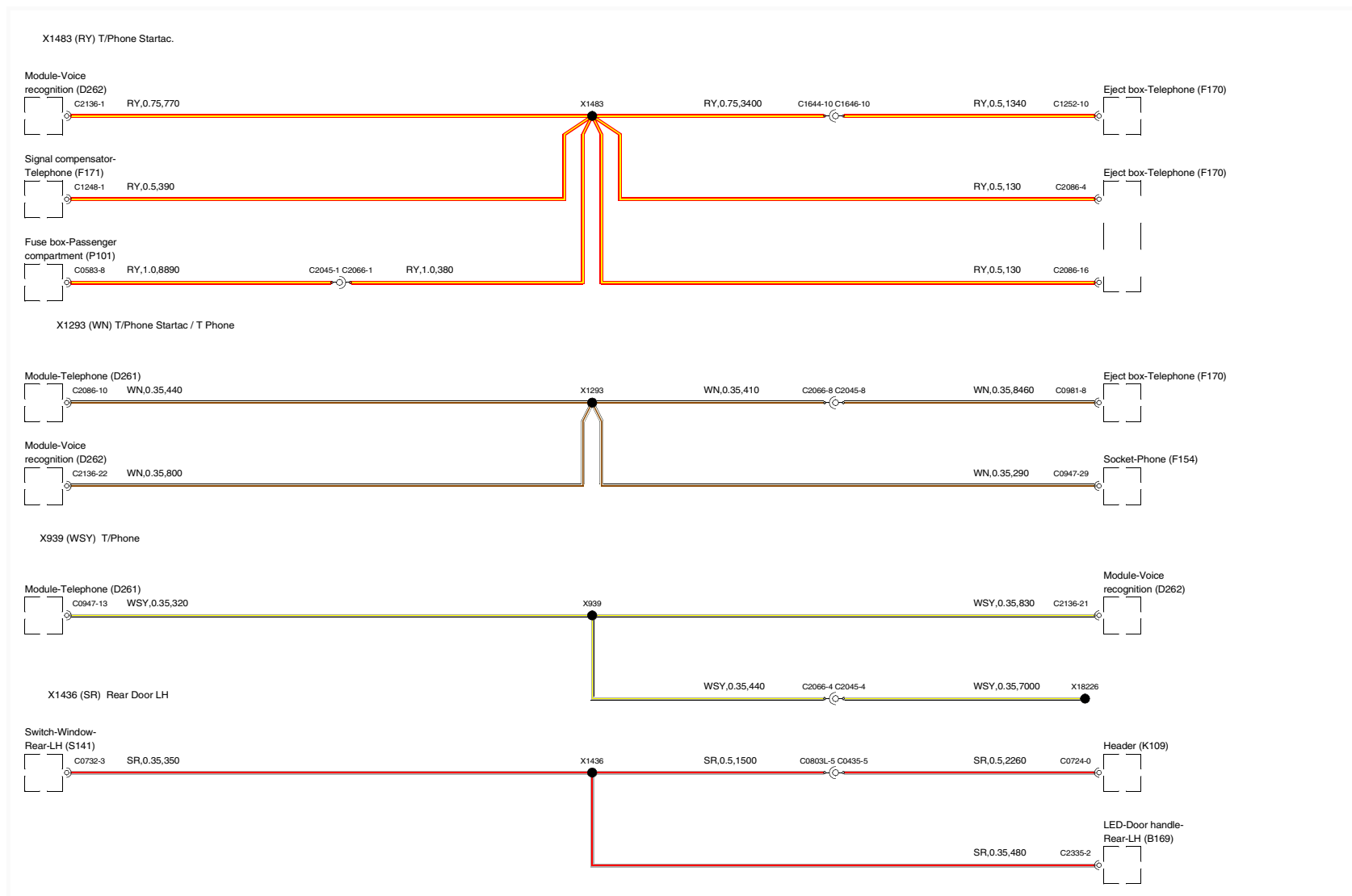


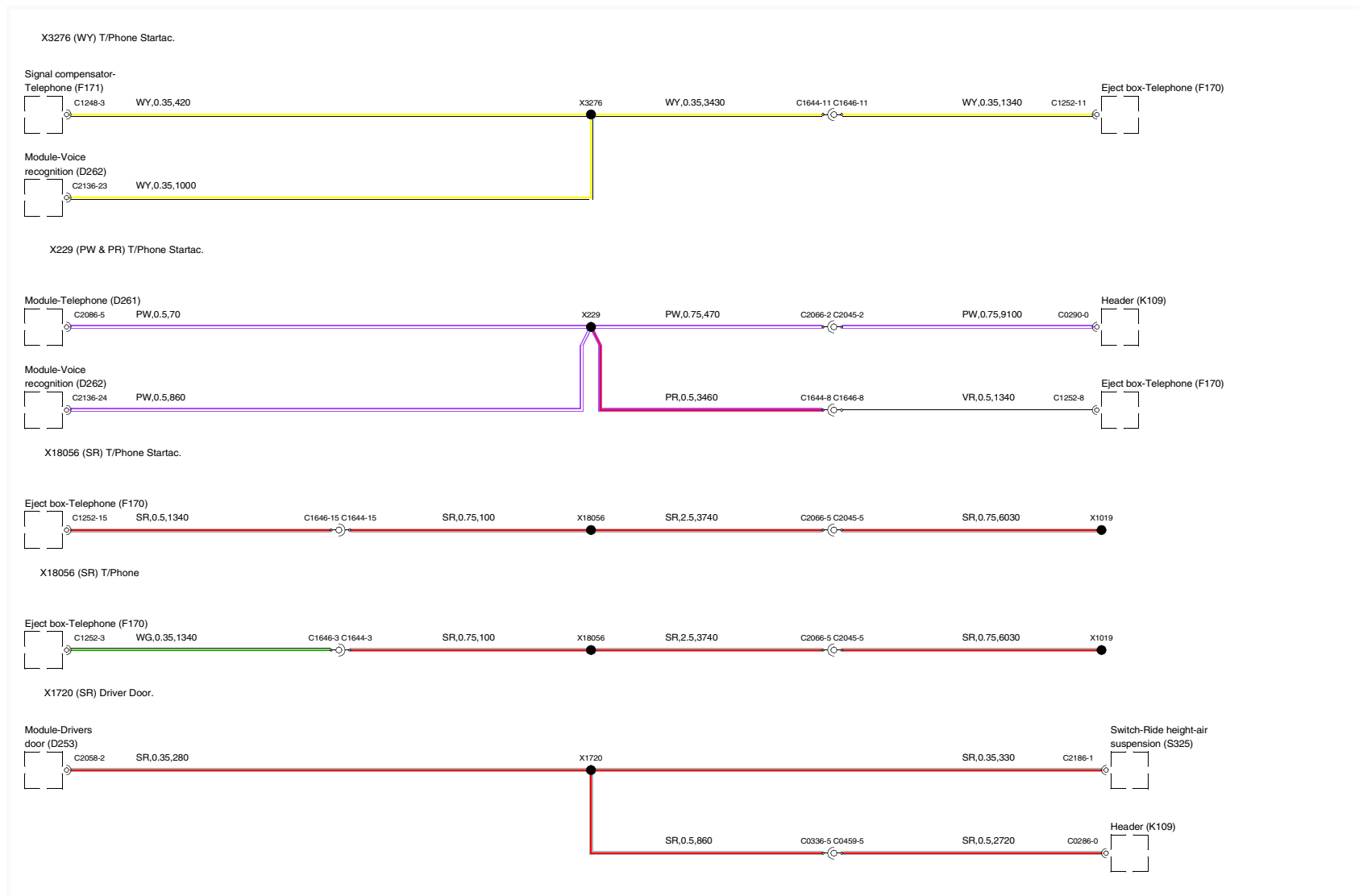
65 SPLICES AND CENTRE TAPS



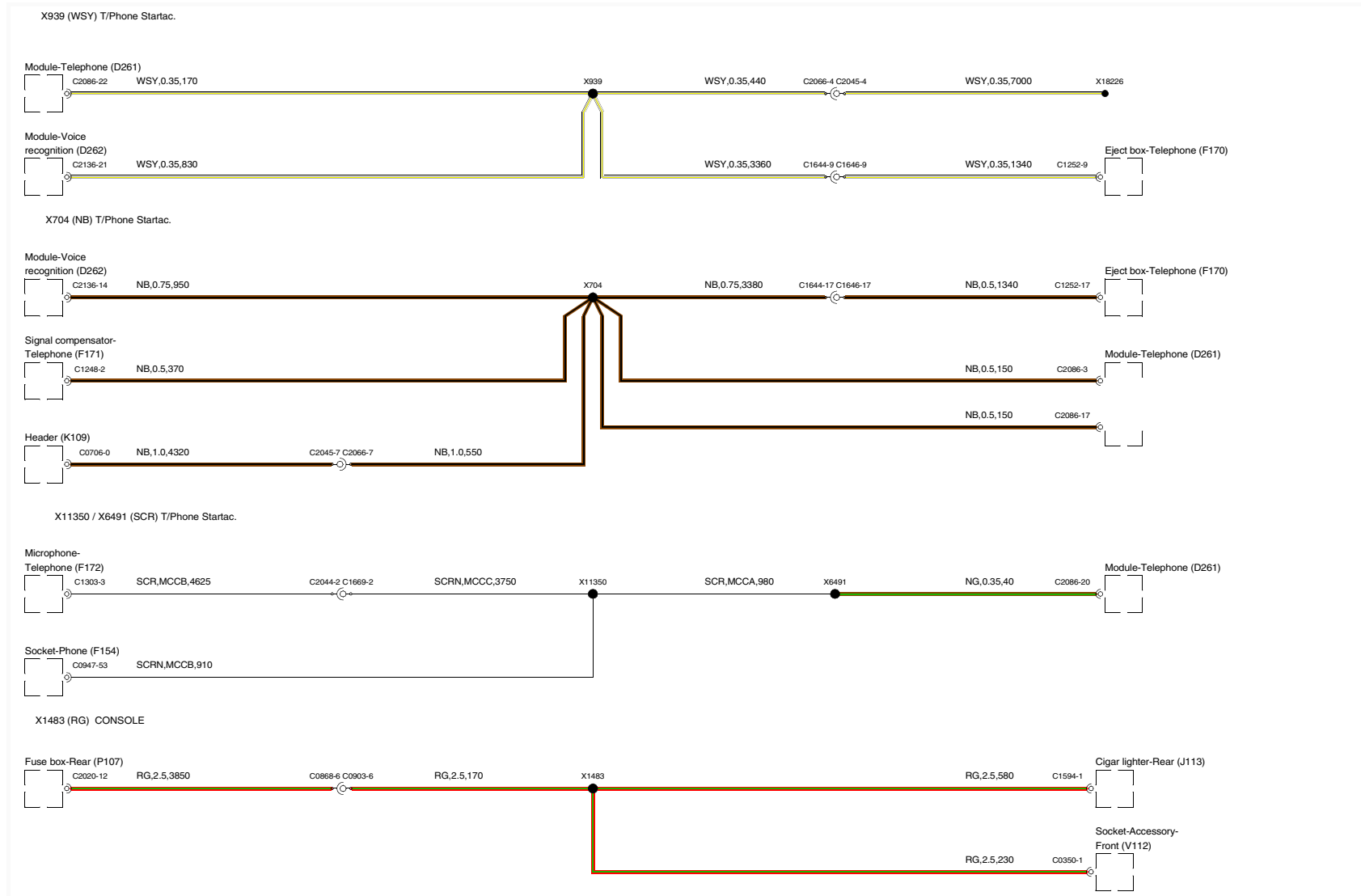


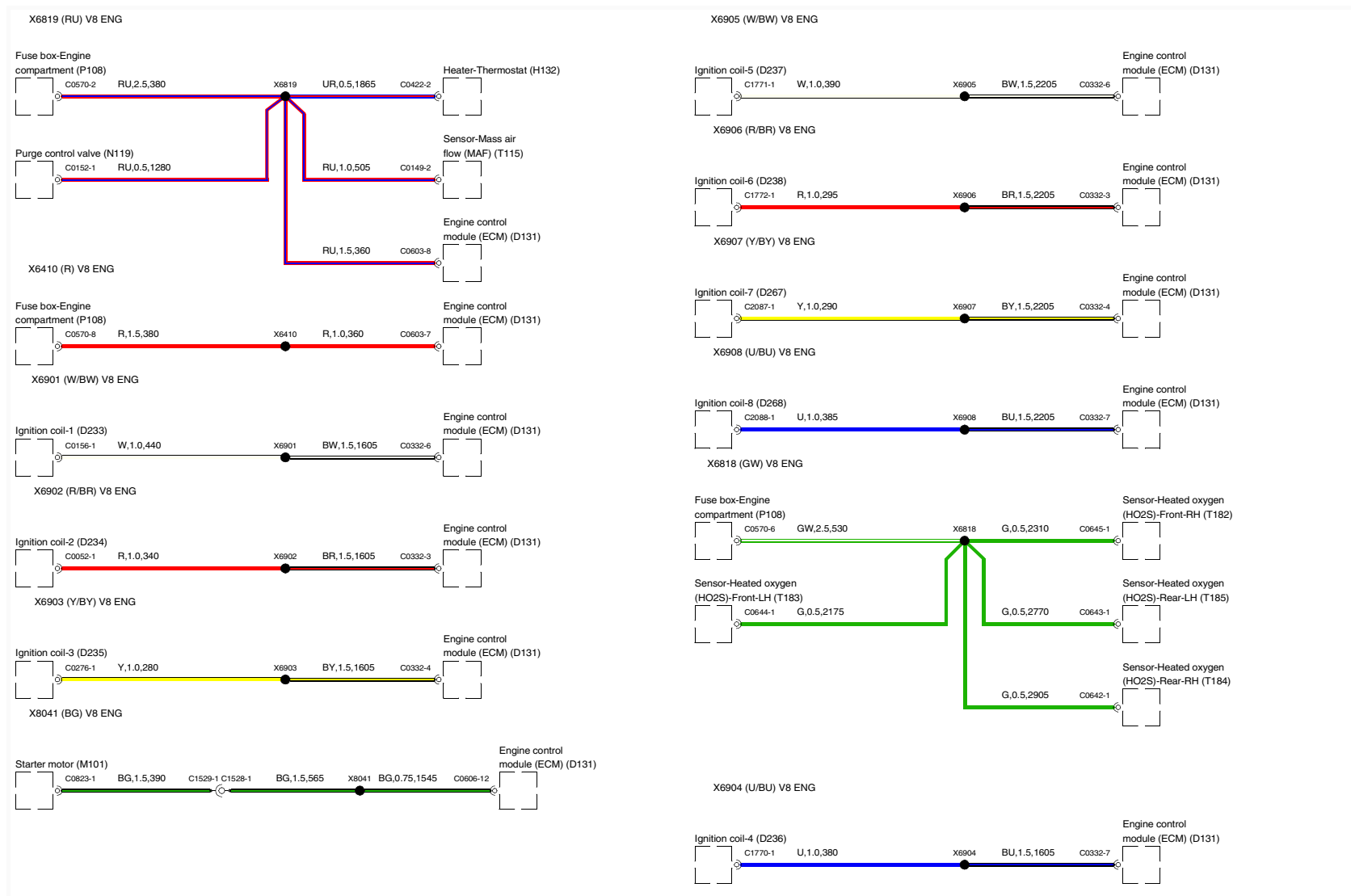
65 SPLICES AND CENTRE TAPS



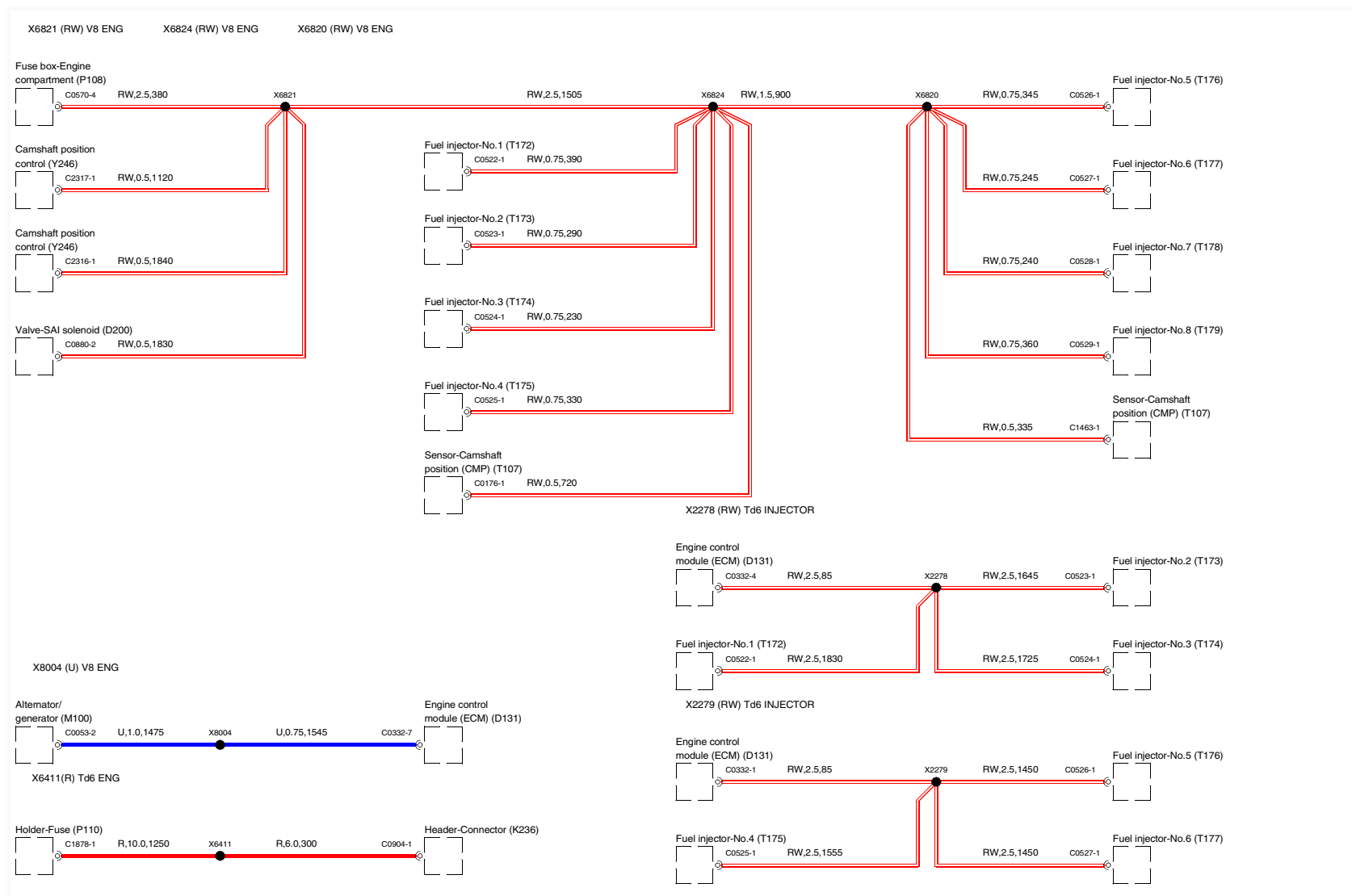


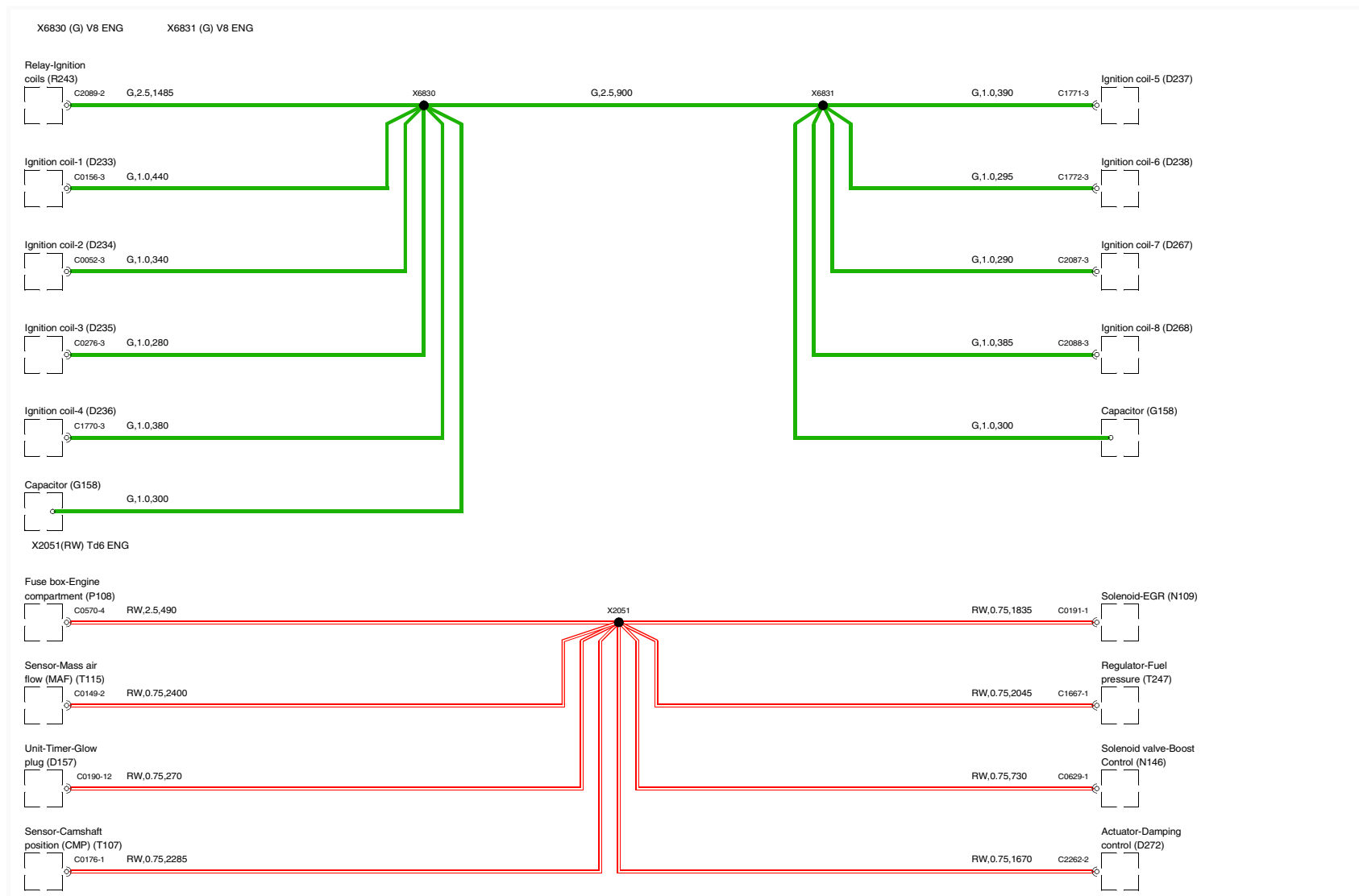
65 SPLICES AND CENTRE TAPS

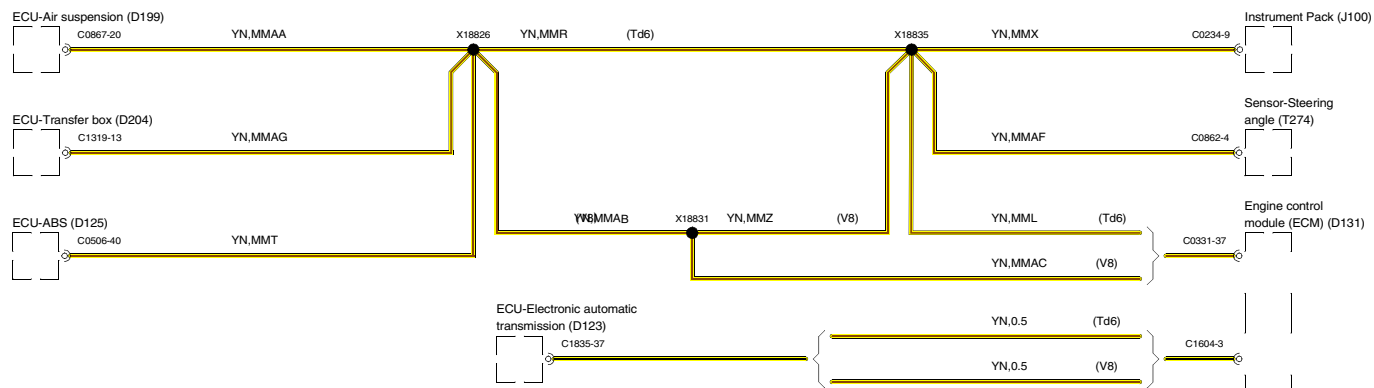
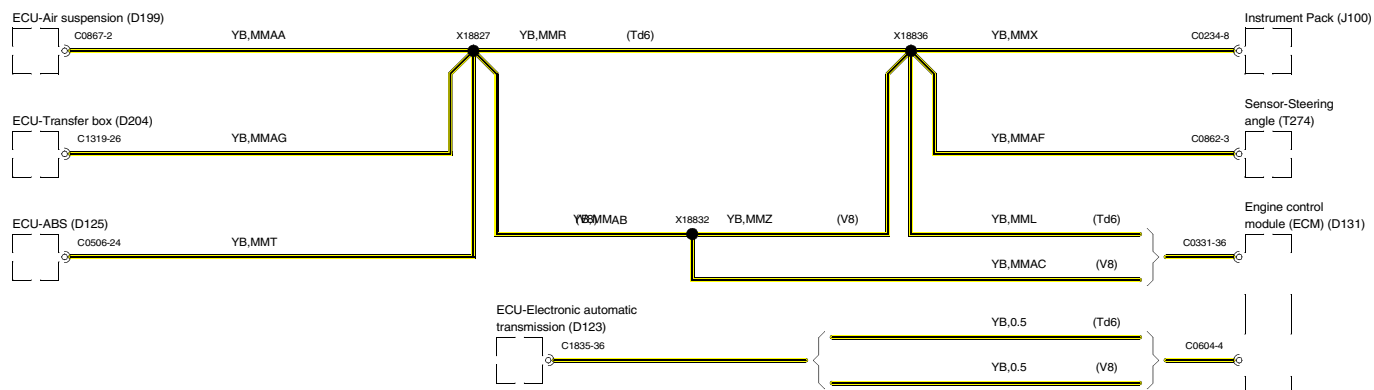


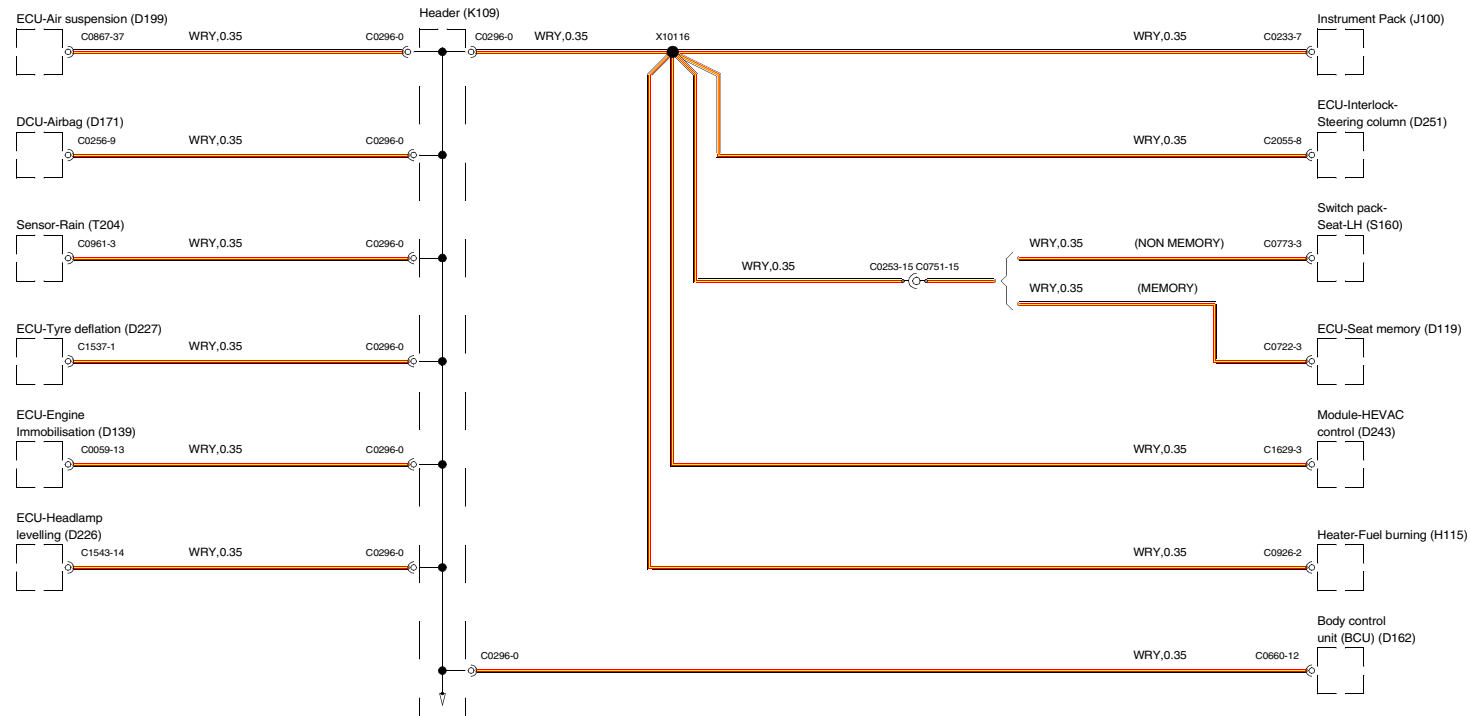


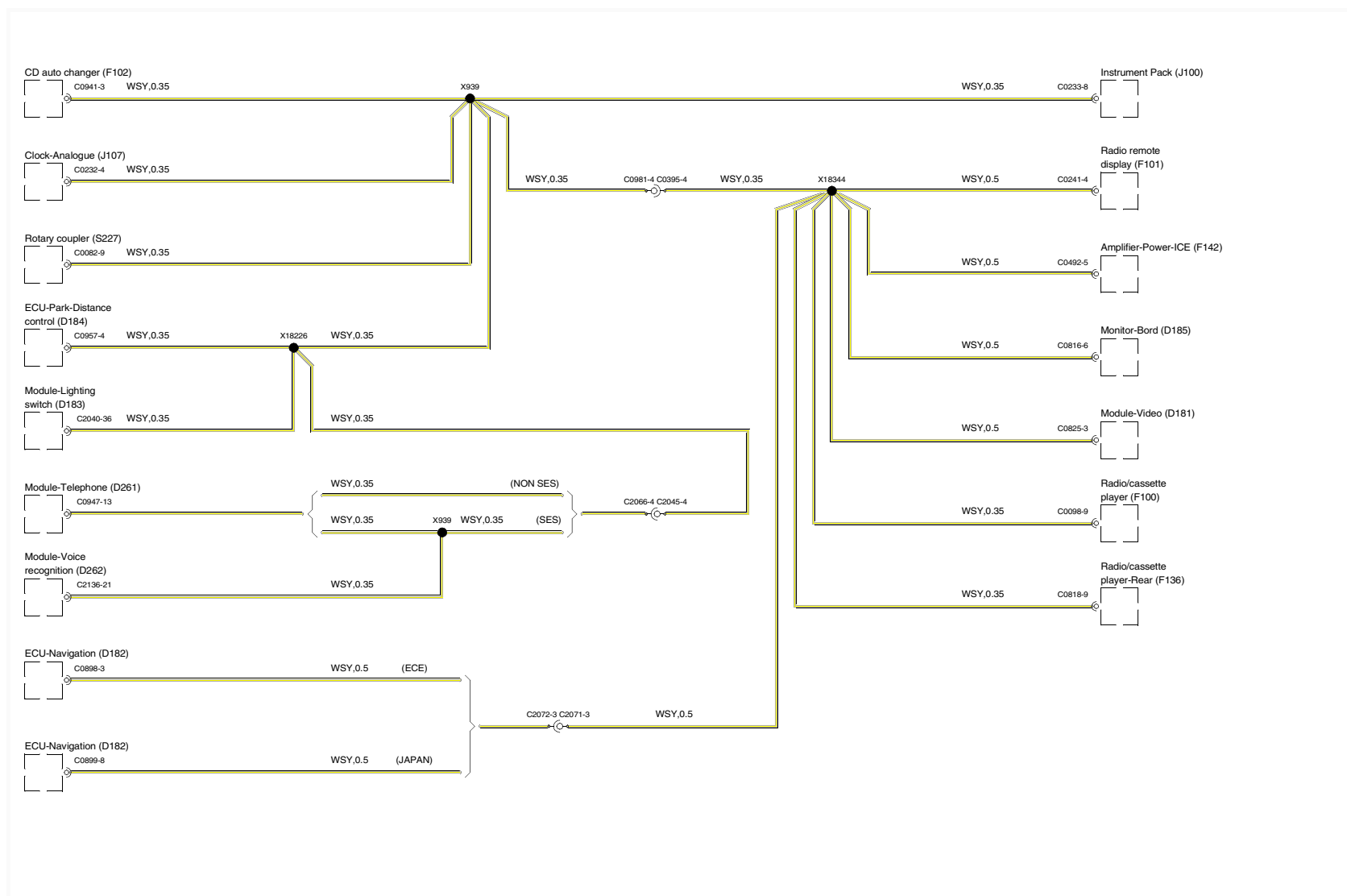
65 SPLICES AND CENTRE TAPS



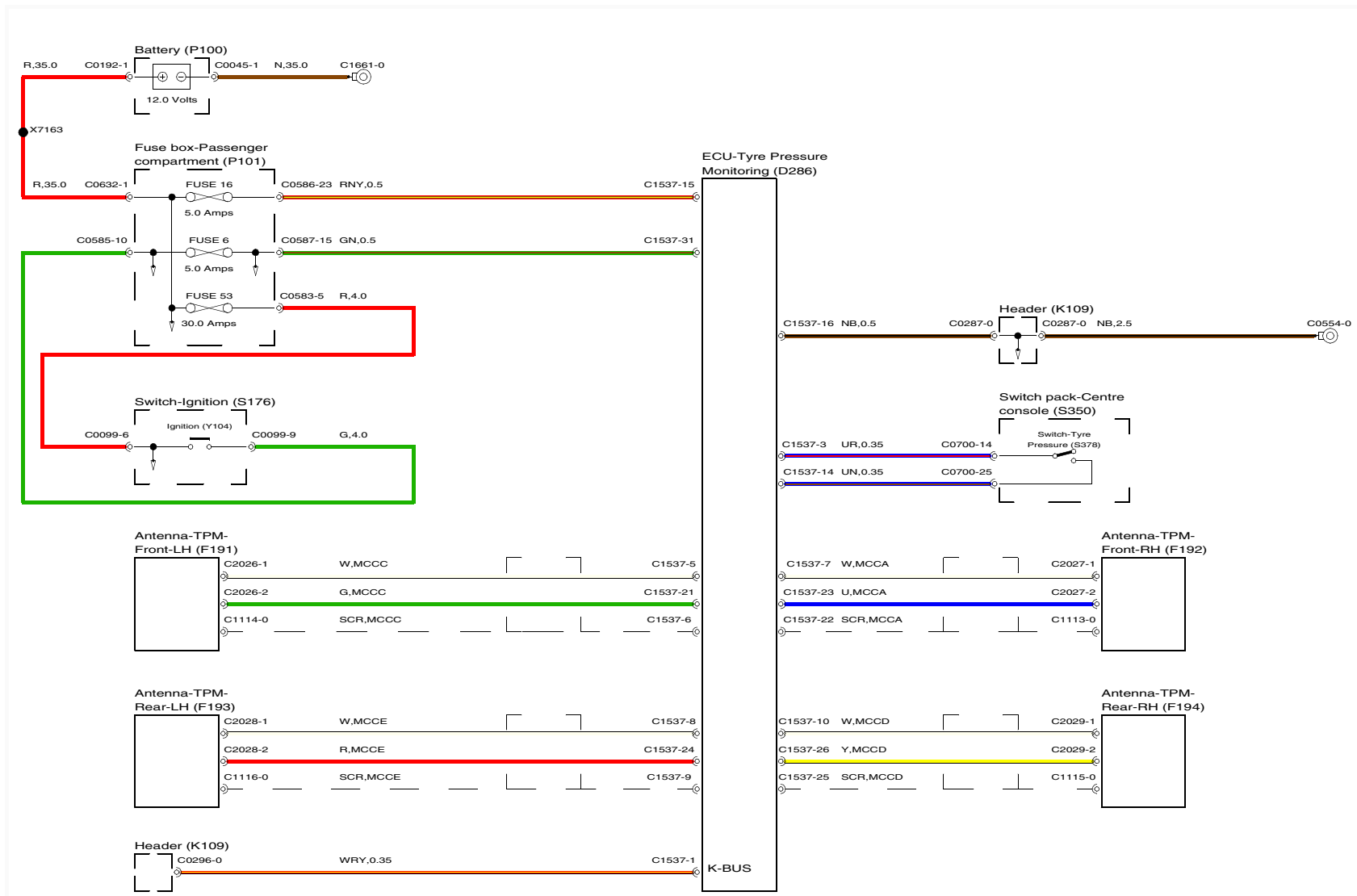




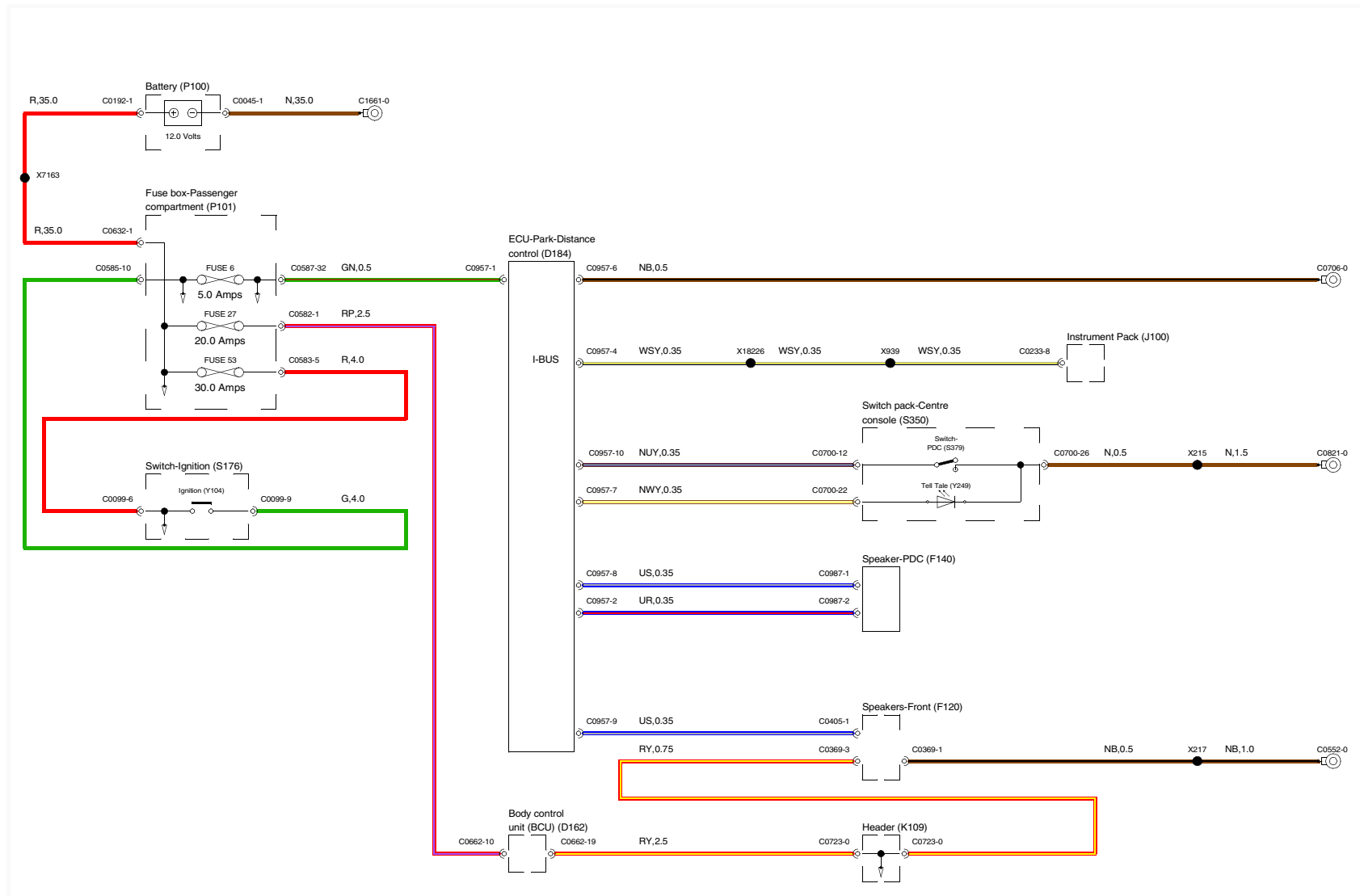


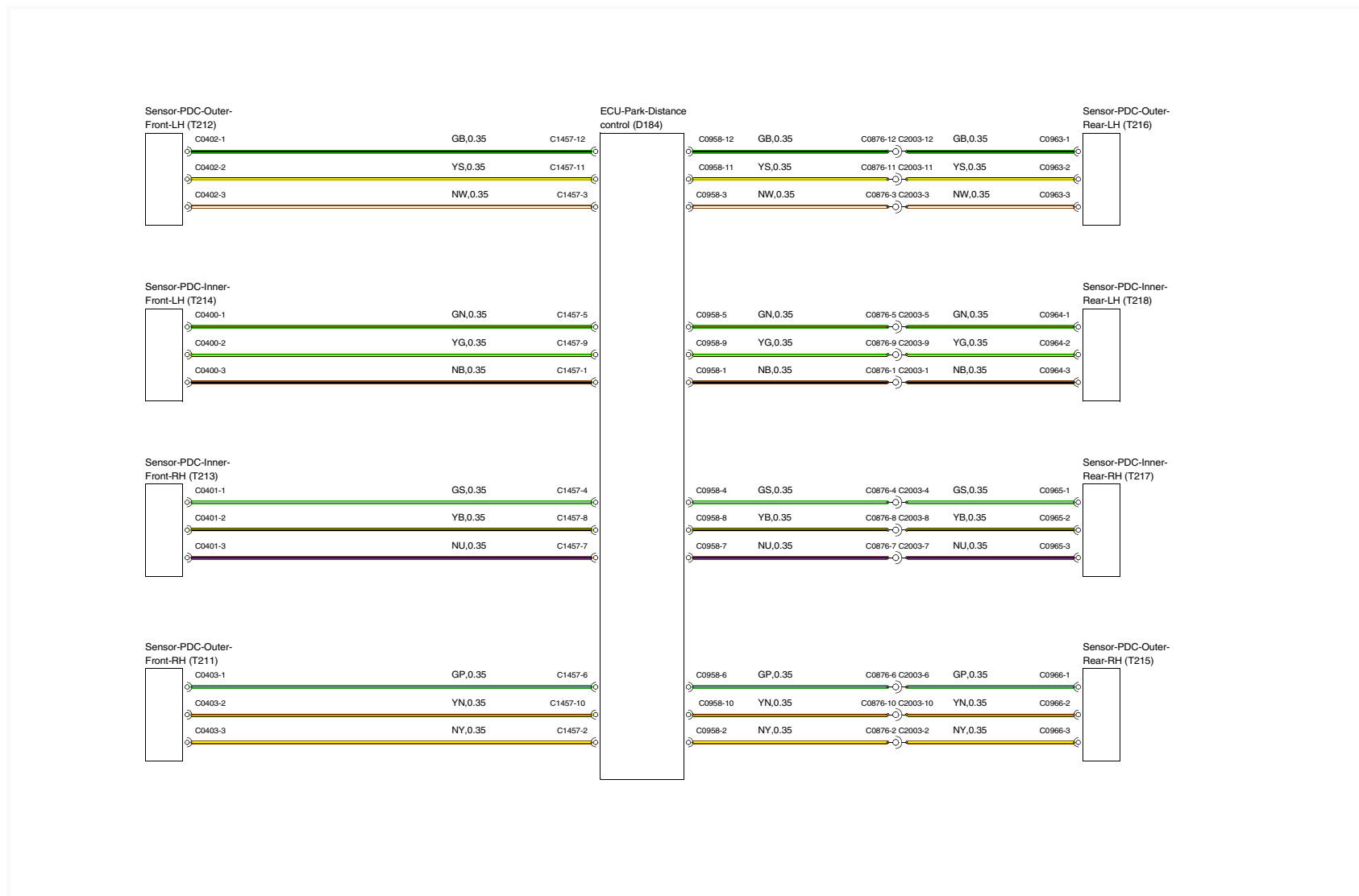


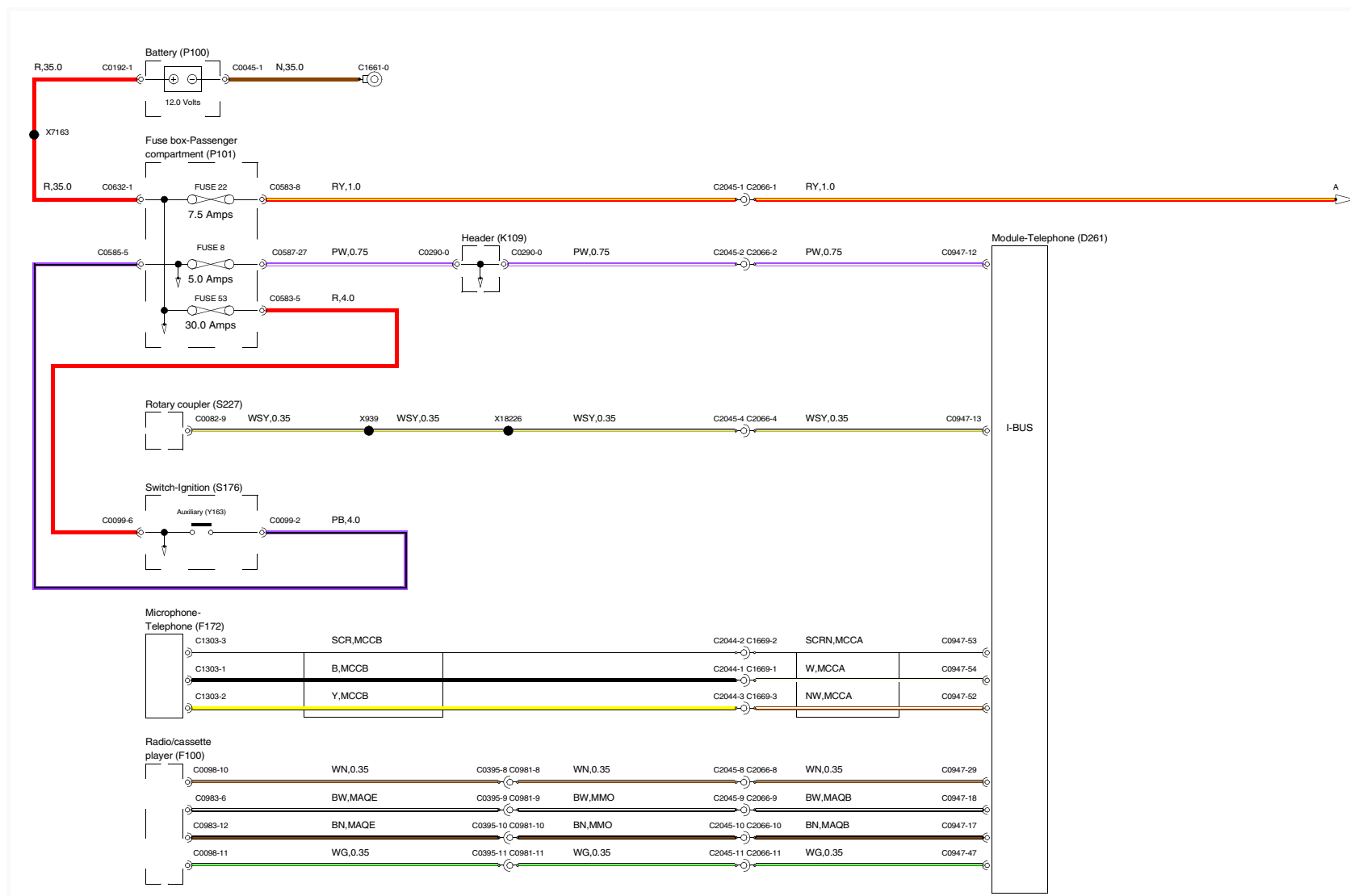
73 TYRE PRESSURE MONITORING

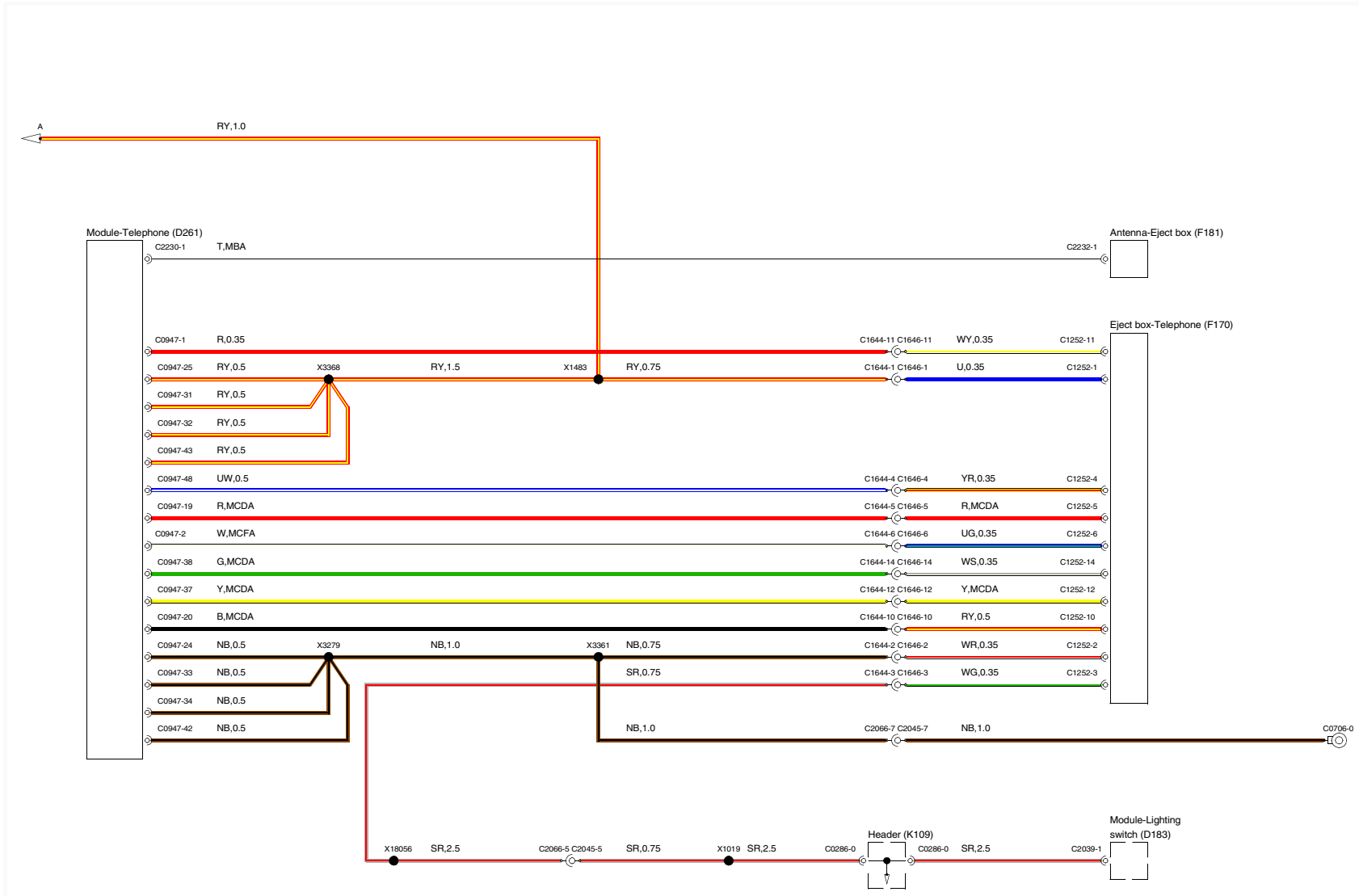


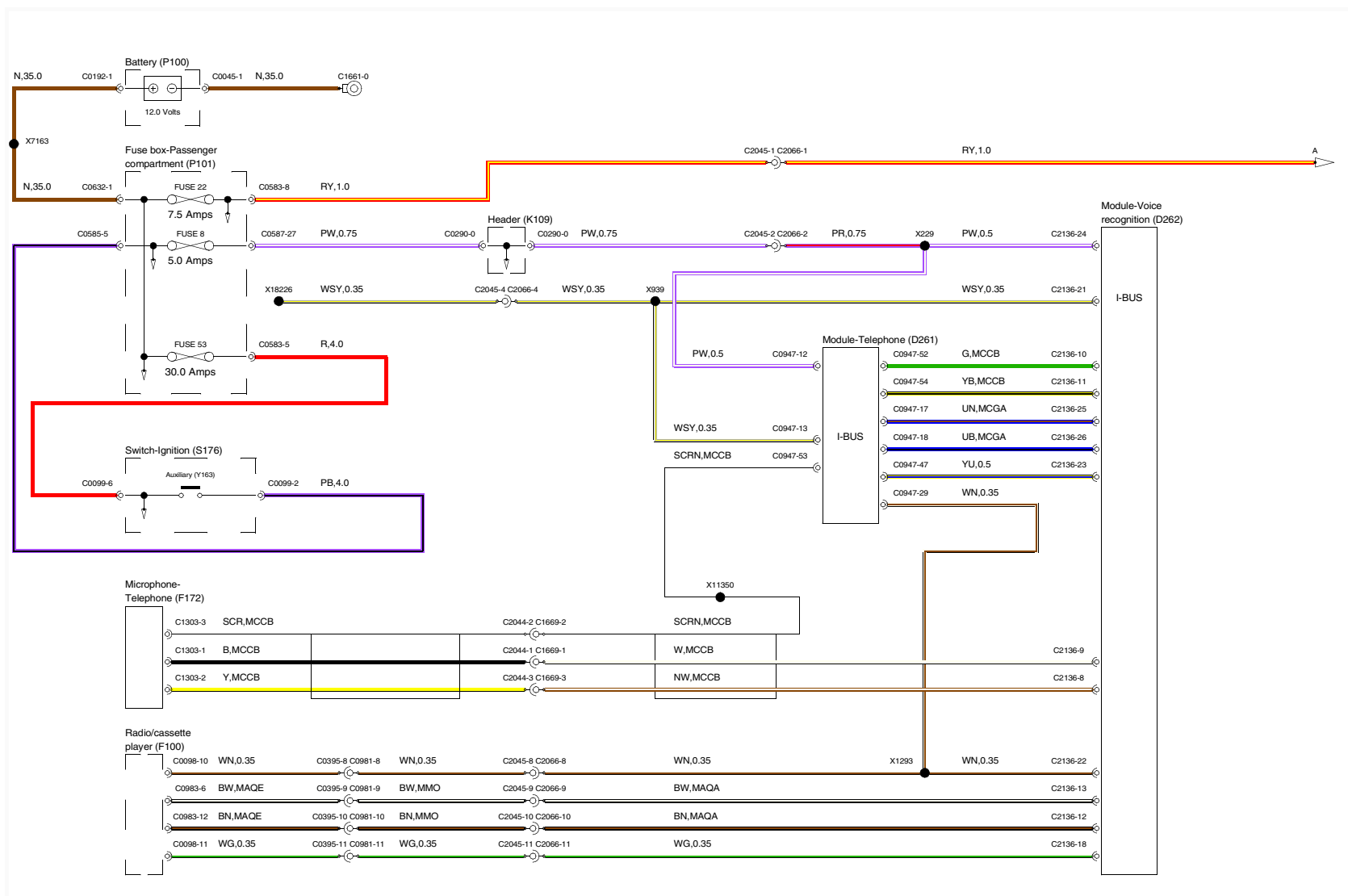
75 PARK DISTANCE CONTROL (PDC)

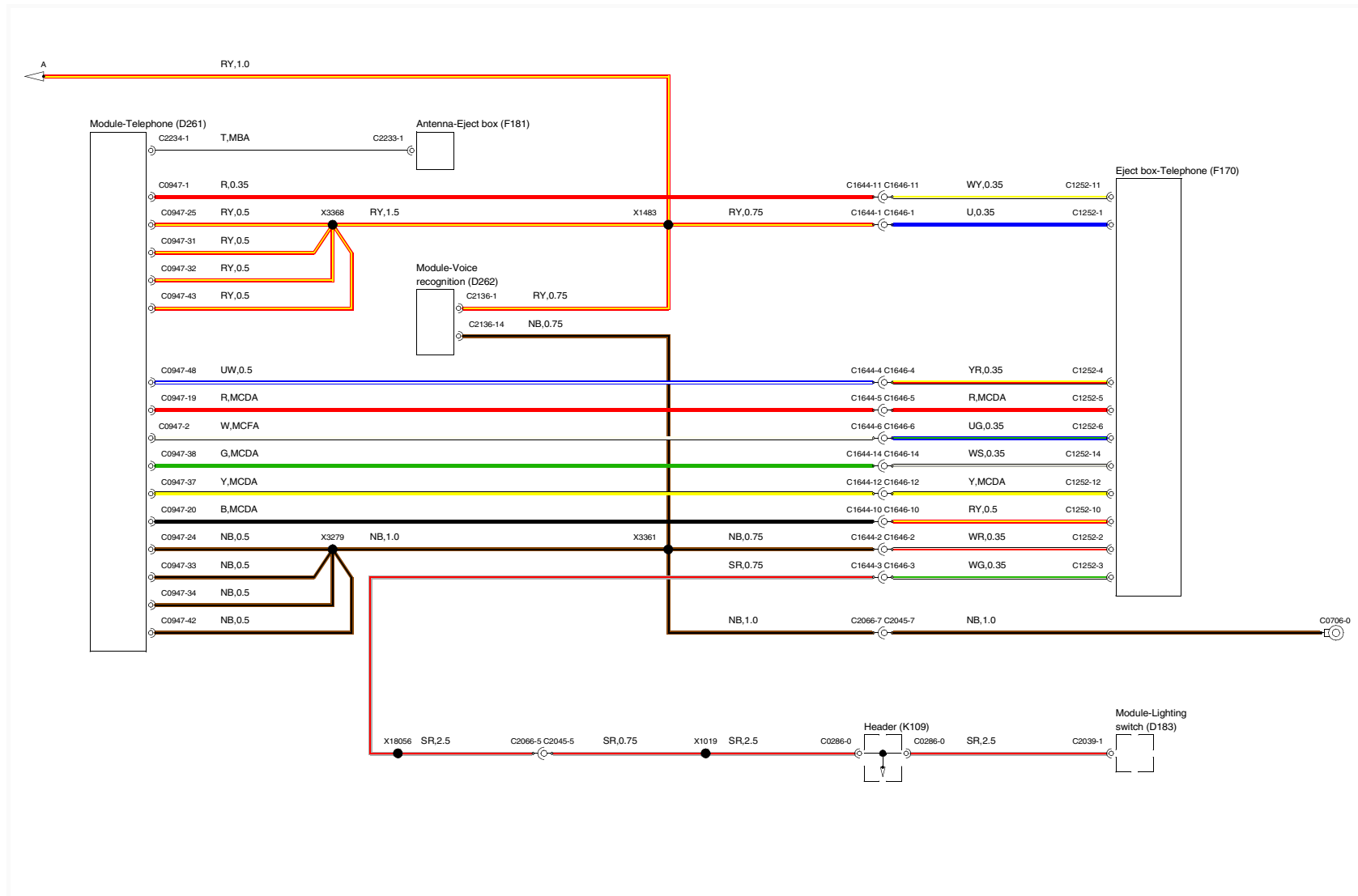












80 TRAILER SOCKET

