



Electrical Circuit Diagrams

Elektrische Circuitdiagrammen

Schémas Électriques

Elektrische Schaltpläne

Schema di Circuiti

Esquemas de Circuitos Eléctricos

Diagramas dos Circuitos Eléctricos



COLOUR CODES

DRAADKLEURCODES

CODES DES COULEURS DES FILS

KABELFARBCODES

CODICI COLORI DEI CAVI

CÓDIGOS DE COLORES DE LOS CABLES

CÓDIGOS DAS CORES DOS FIOS

CODE COLOUR	CODE KLEUR	CODE COULEUR	C O D E F A R B E	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 PIZARRA (gris)	S CINZENTO
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

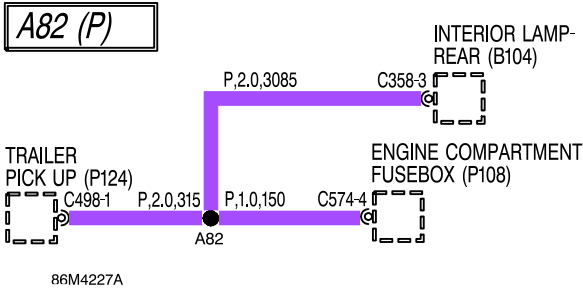
HOW TO USE THE CIRCUIT DIAGRAMS

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.



These fuse box details are followed by a Headers and Splices section outlining the way in which internal harness splices and header joints 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.

Headers and splices

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.

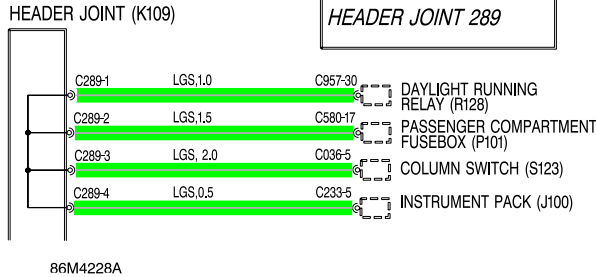
Wire attributes

Additional information (separated by a ',') is shown alongside the wire colour:
Wire gauge - the cross-sectional area of the wire in square millimetres. This is included to help you select the correct wire during harness repair.
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.

Earth Distribution

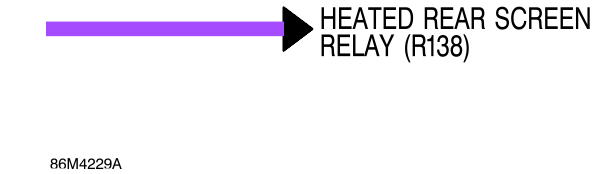
The ground distribution section comprises a number of Headers and Splices tables. These are used in a similar manner to those in Power Distribution; to narrow the search area by checking for fault symptoms in associated circuits.

Connectors

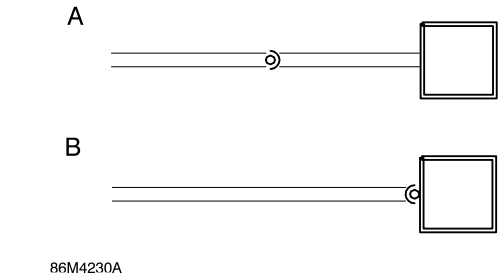


Header joints are identified by their corresponding connector number with a numbered suffix to indicate the pin-out detail of the wire, i.e. C289-1 identifies connector 289, pin number 1. Wire insulation colour is identified in the normal way. Where wires have a predominant colour with a secondary colour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

Line Types



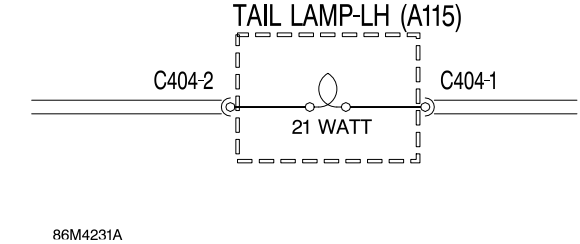
This means the wire connects to another circuit.



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

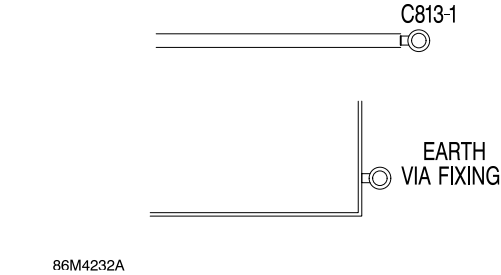
- A. Plug on lead (Flylead) wired directly to the component.
- B. Connector plugs directly into component.

Components



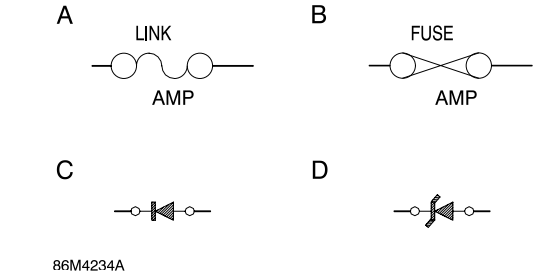
The name or description of the component is shown. A dotted outline indicates that the component is not shown in its entirety.

Earth points



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.

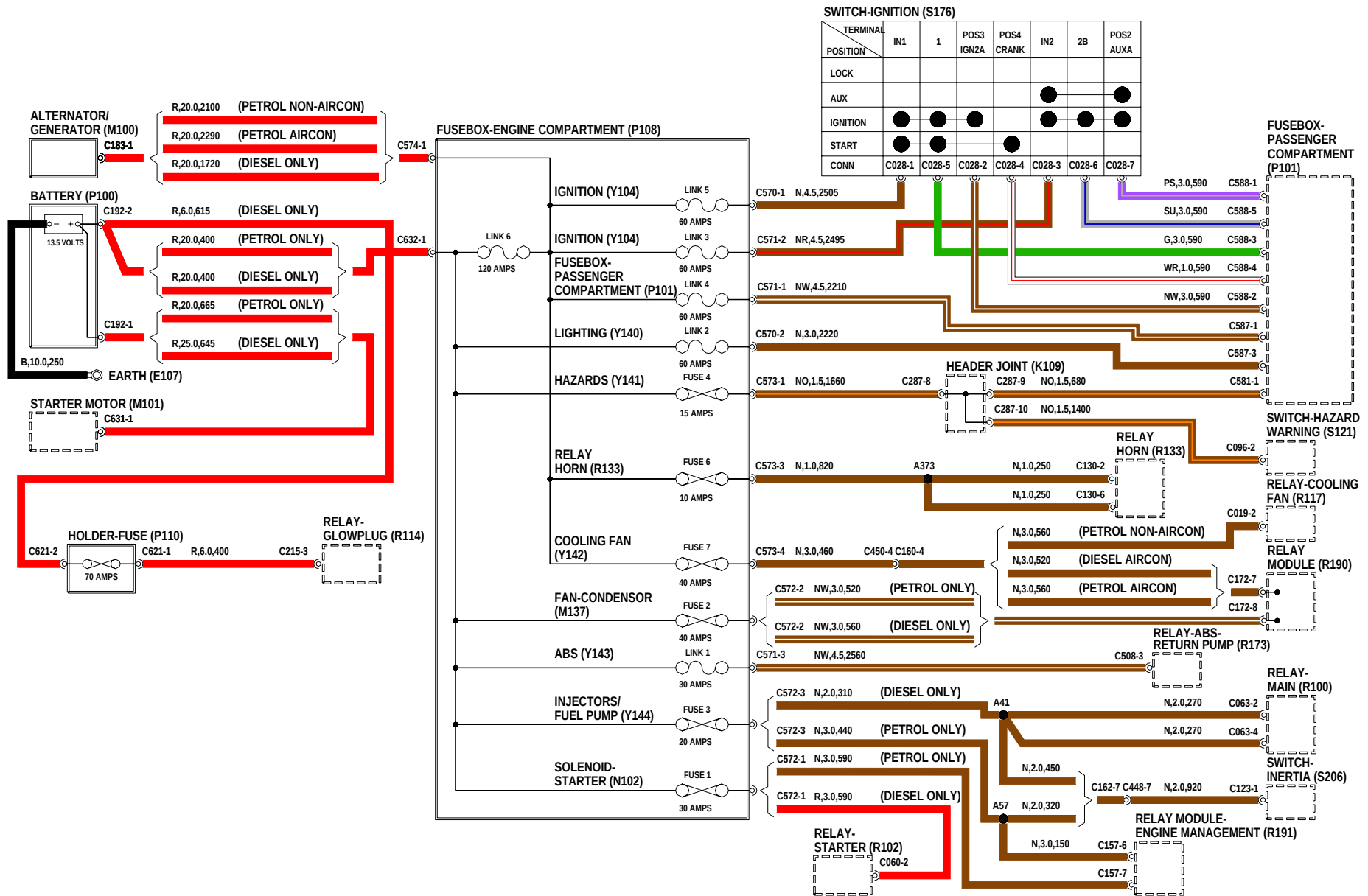
Fuses and Diodes



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

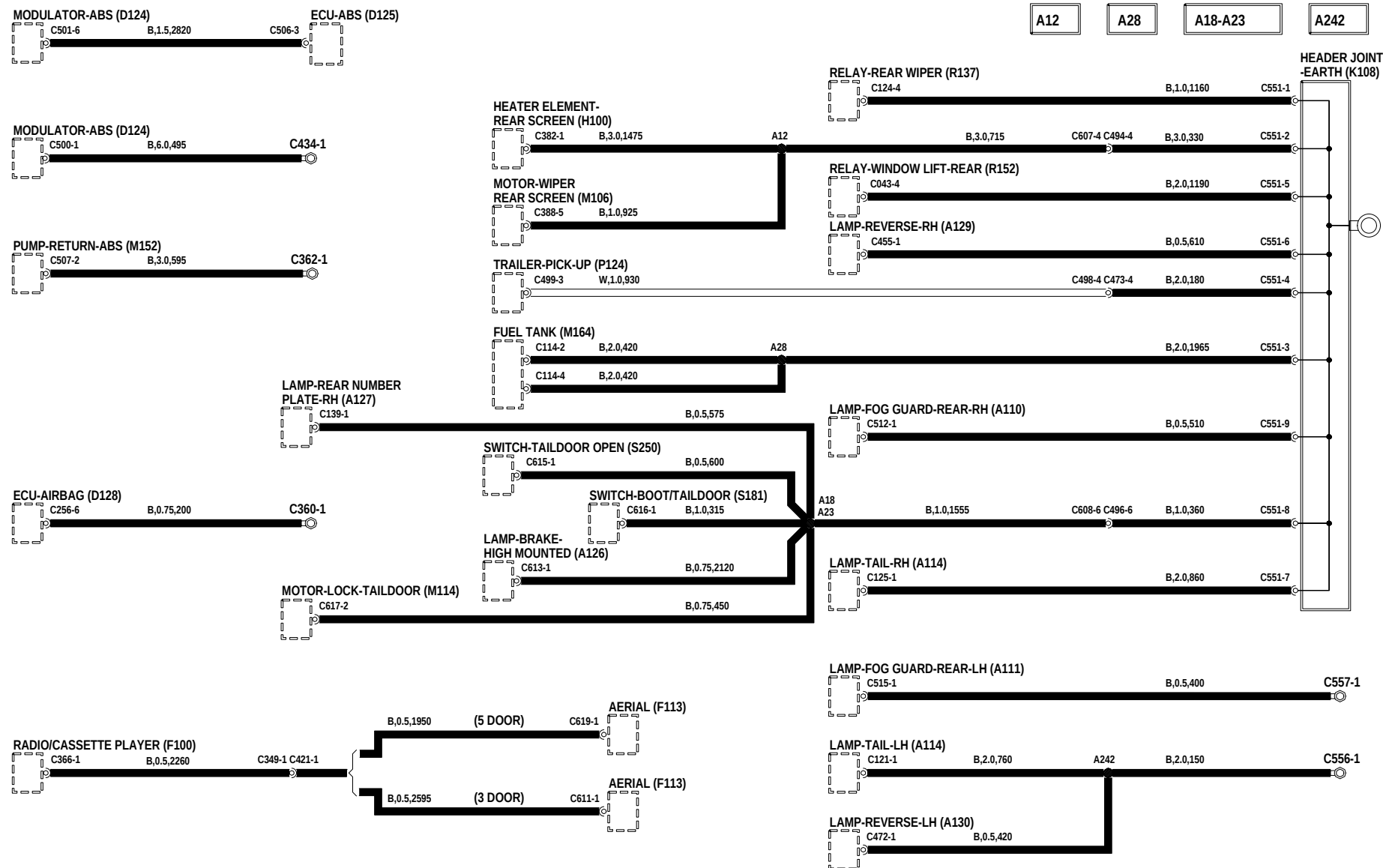
The direction of the arrow in a Diode symbol (C) indicates the direction of current flow. The Zener diode (D) - prevents current flow until a precise voltage is reached.

POWER DISTRIBUTION



EARTH DISTRIBUTION

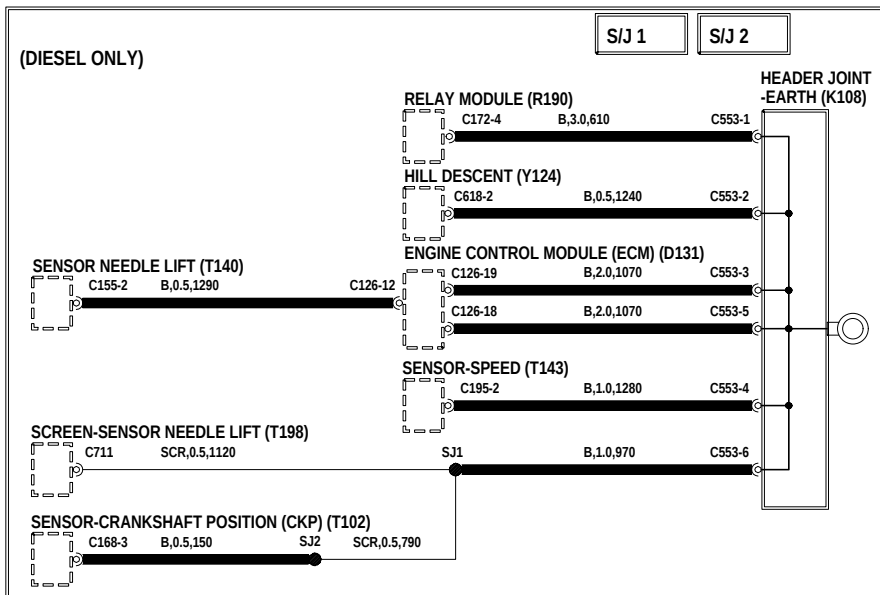
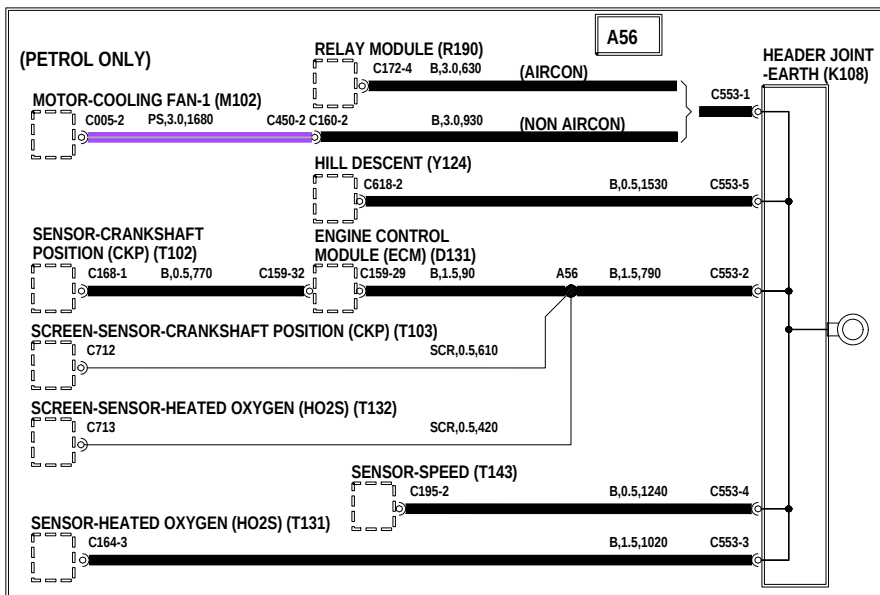
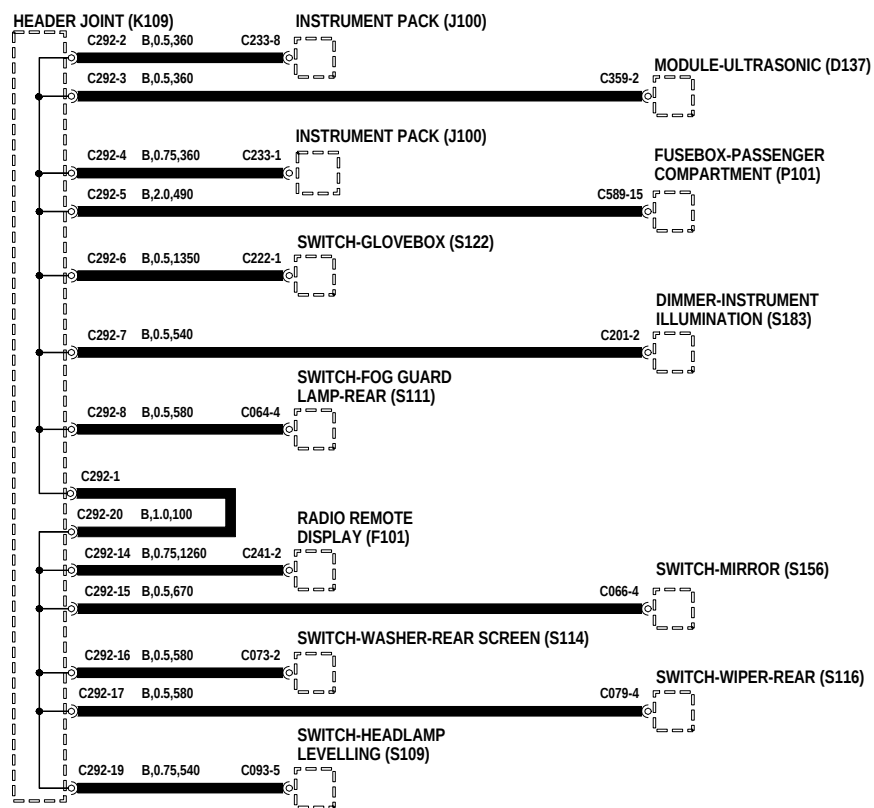
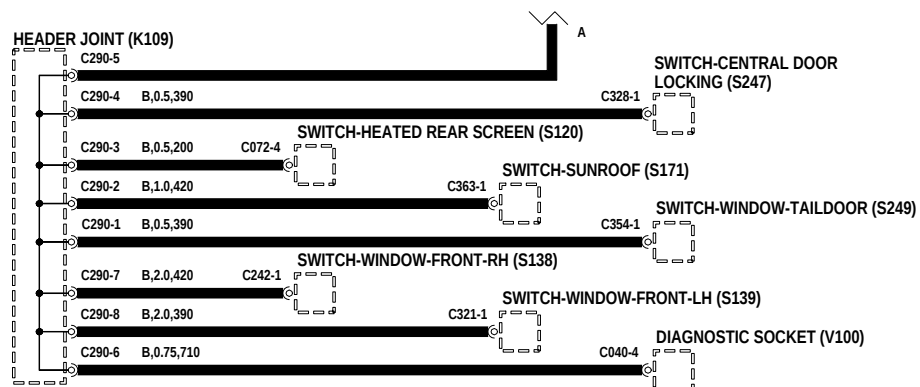
RHD





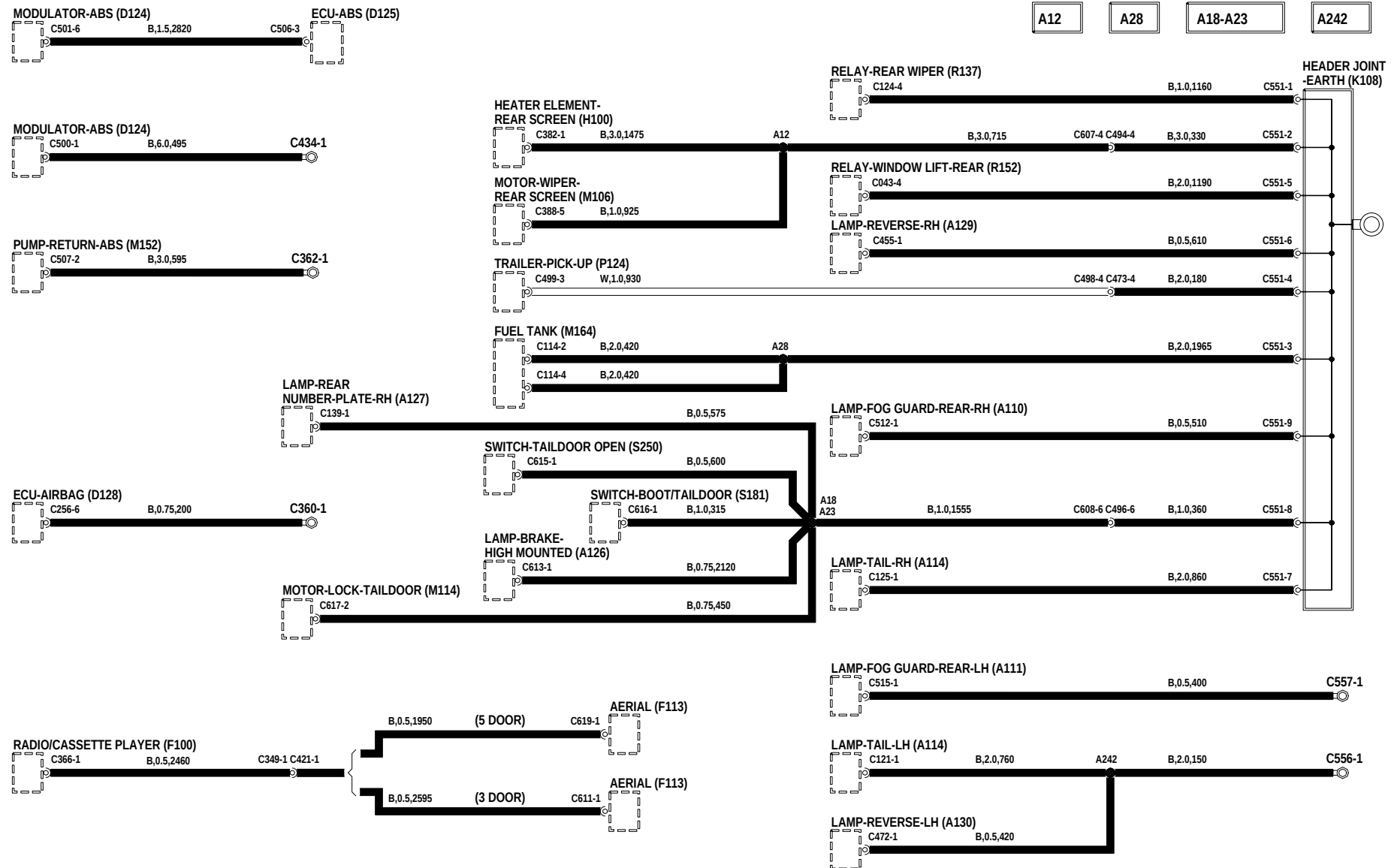
EARTH DISTRIBUTION

RHD



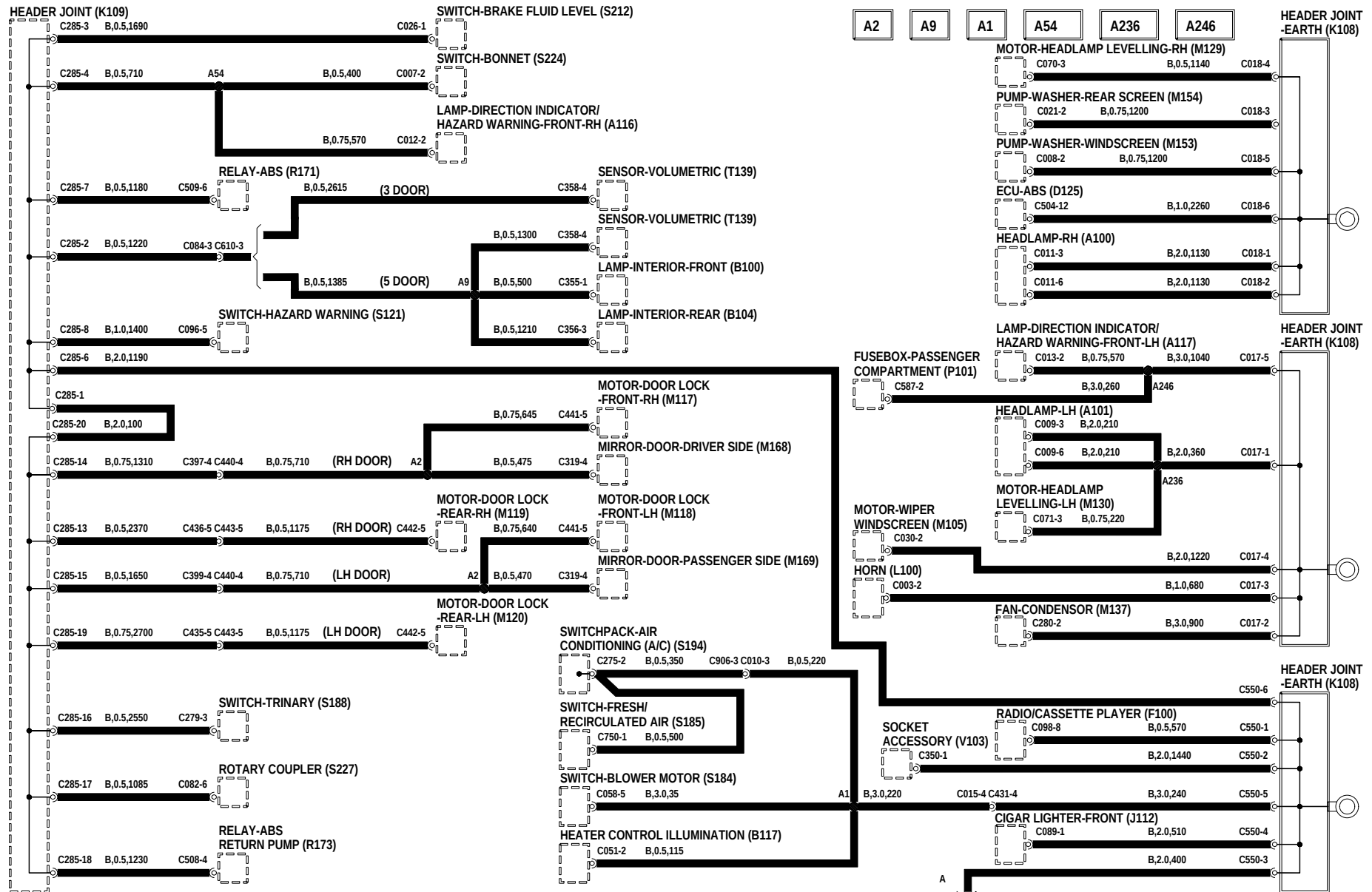
EARTH DISTRIBUTION

LHD



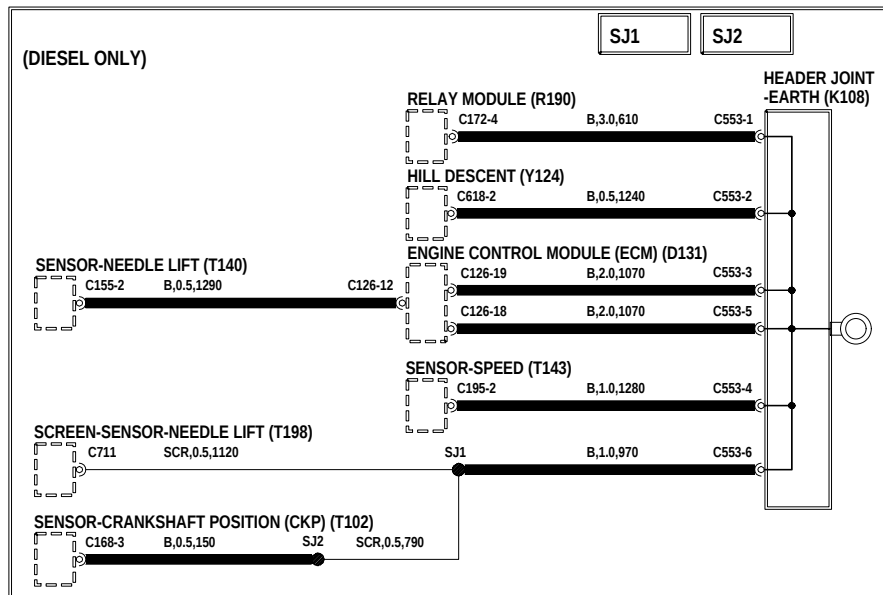
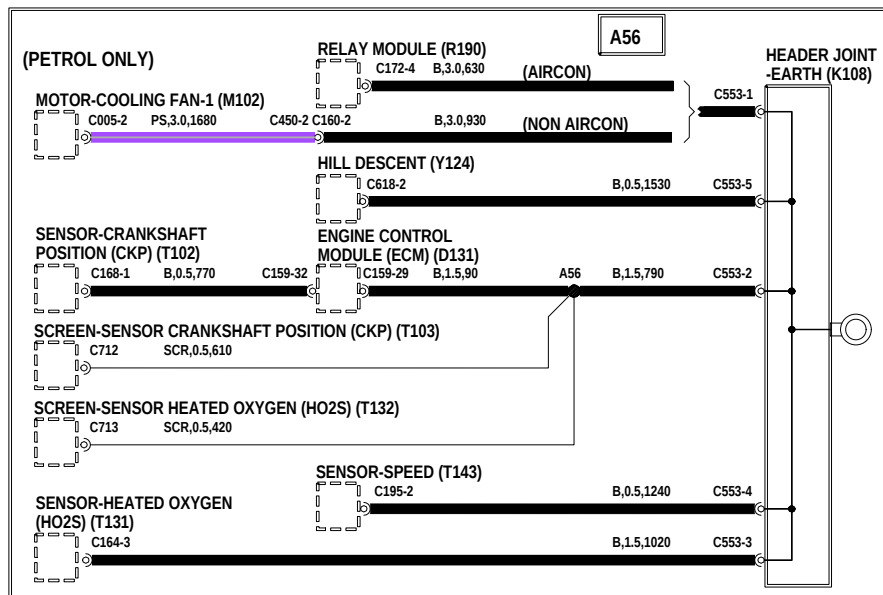
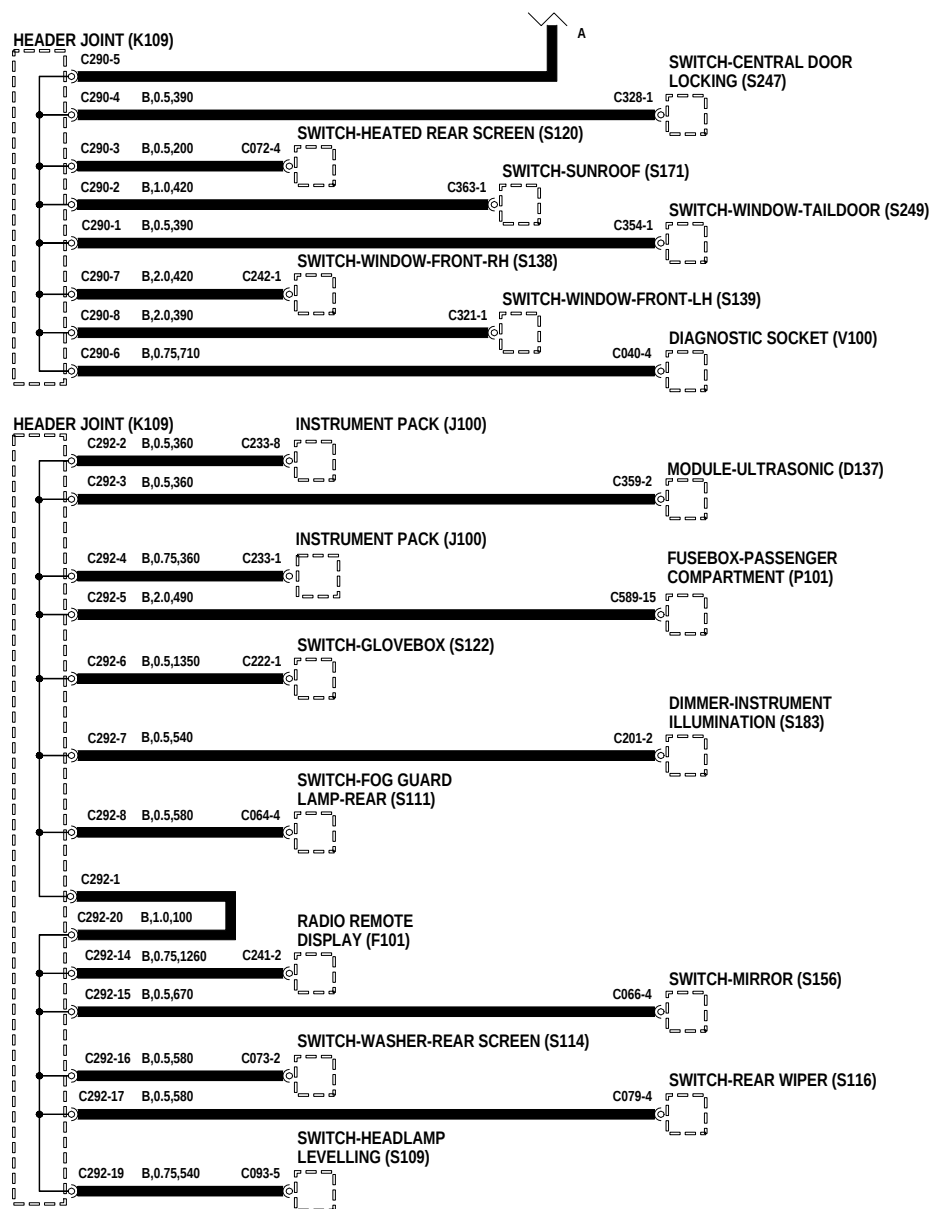
EARTH DISTRIBUTION

LHD



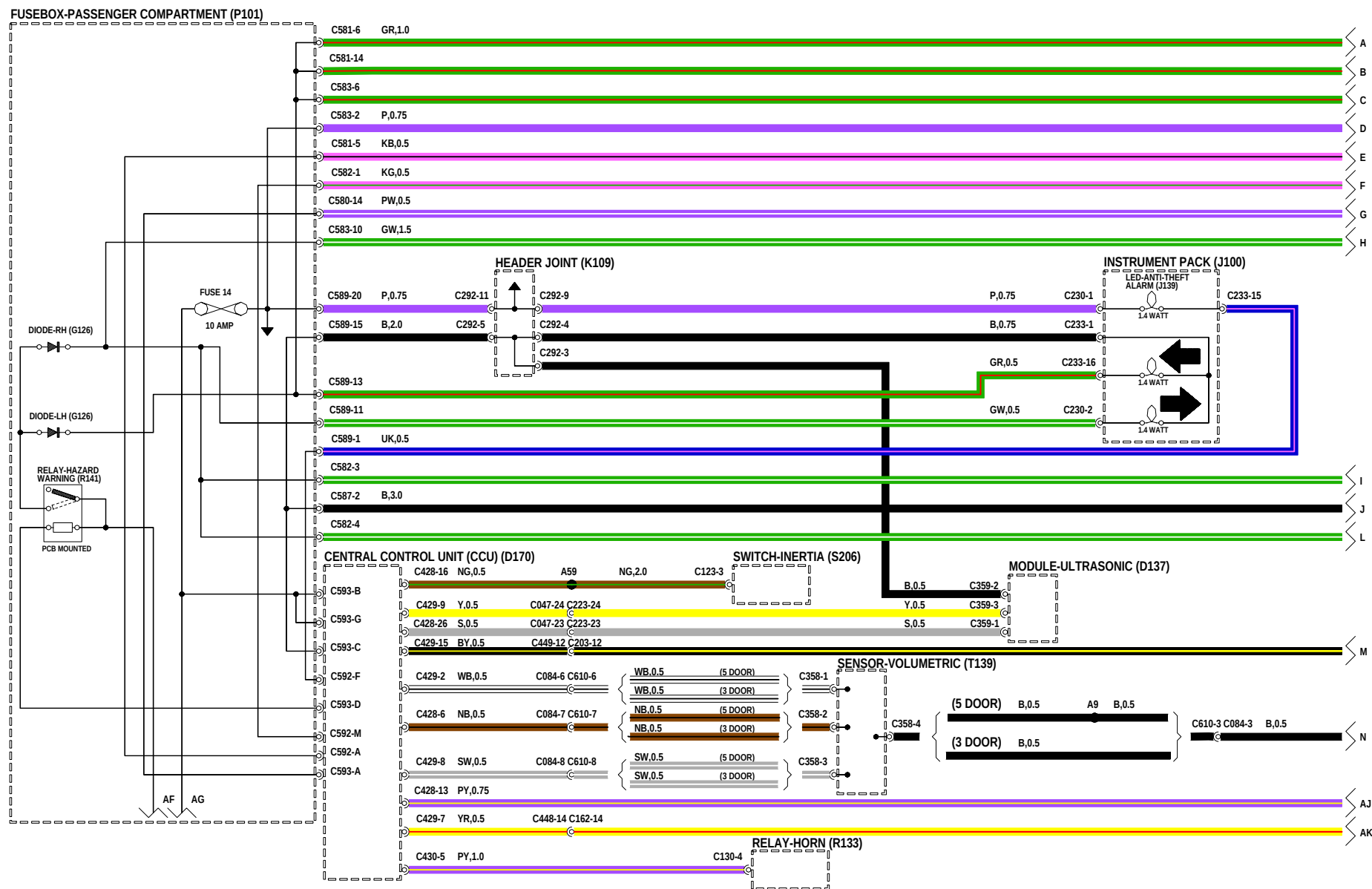
EARTH DISTRIBUTION

LHD



ANTI-THEFT ALARM AND CENTRAL DOOR LOCKING

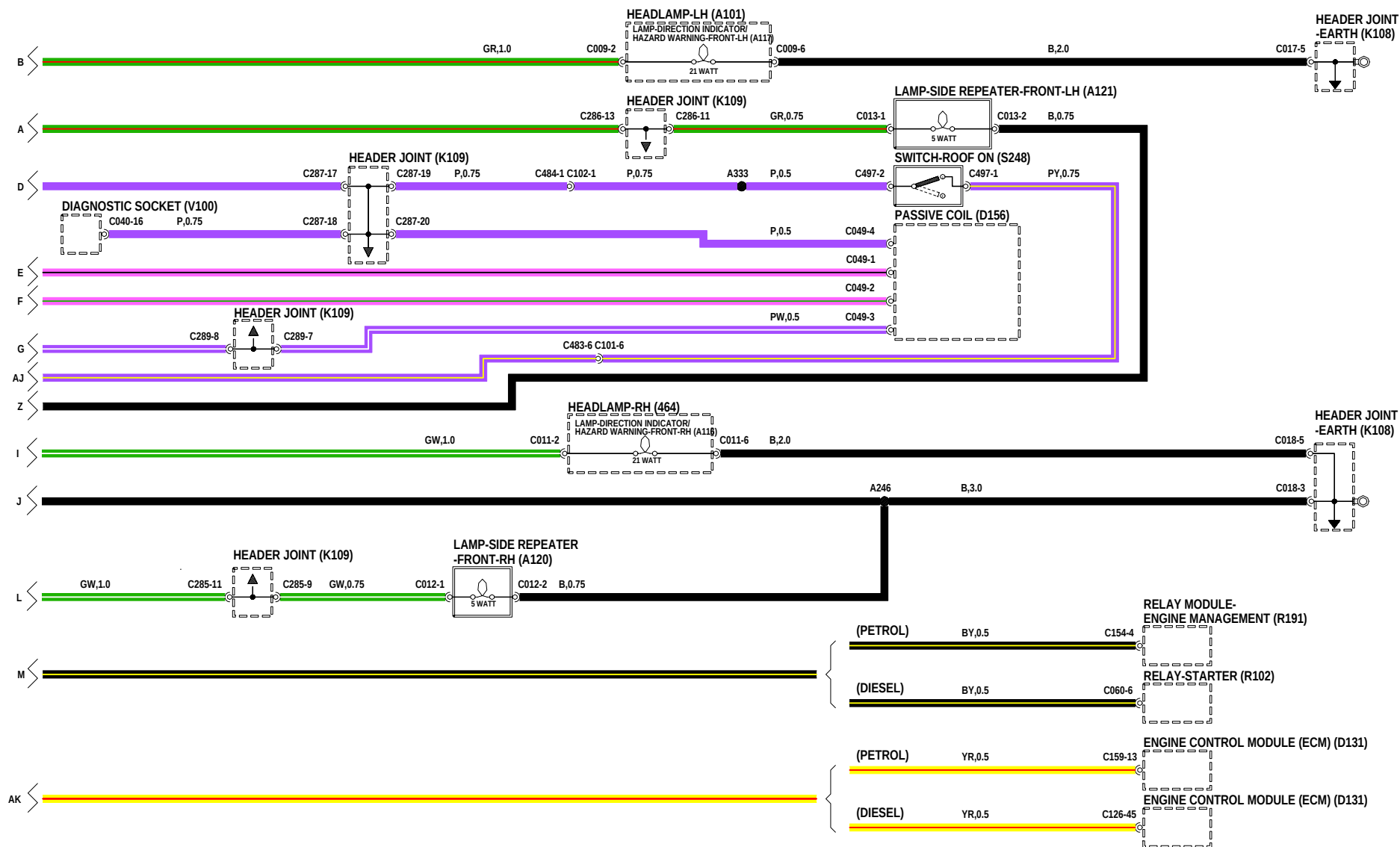
RHD





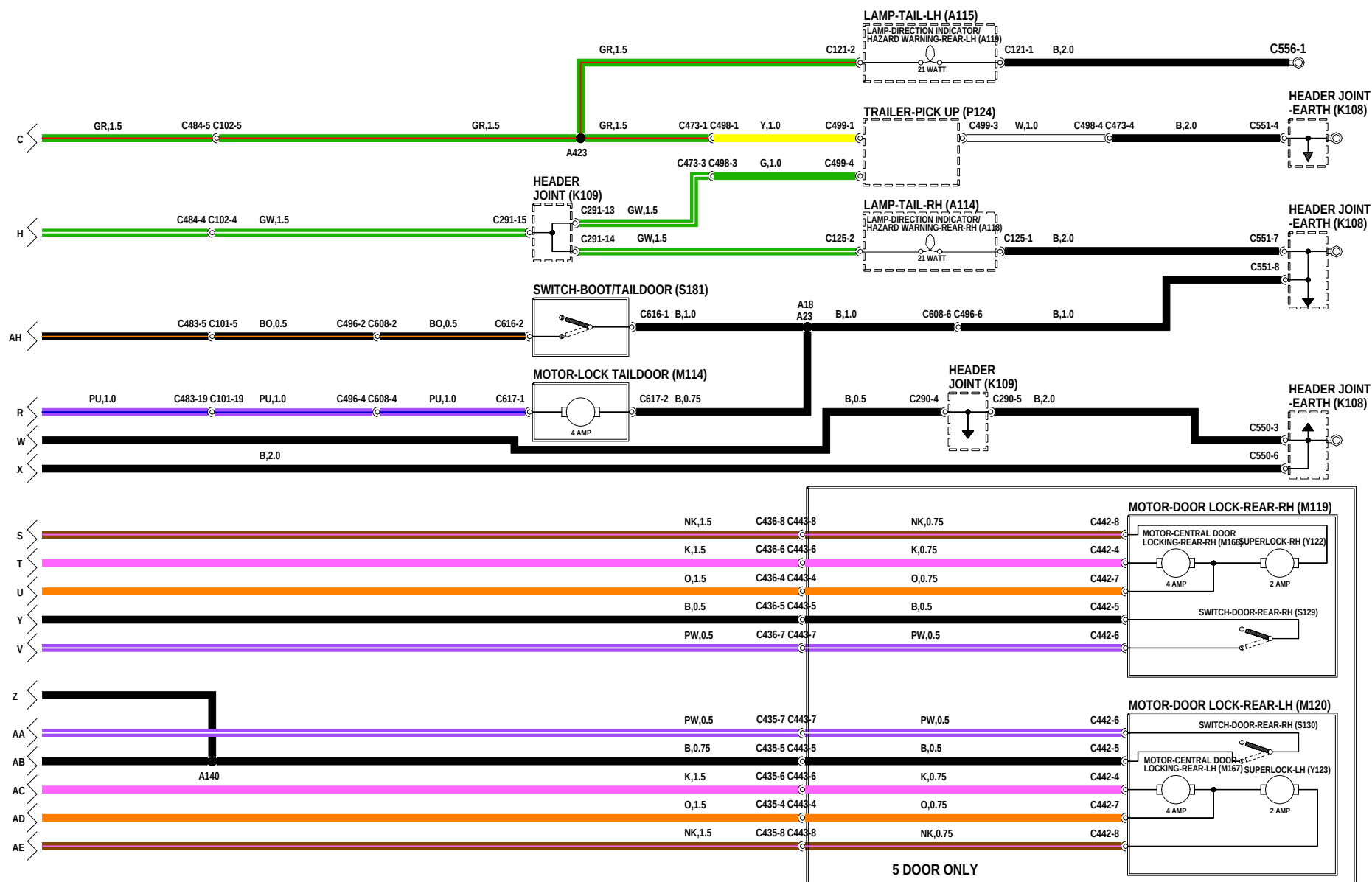
ANTI-THEFT ALARM AND CENTRAL DOOR LOCKING

RHD



ANTI-THEFT ALARM AND CENTRAL DOOR LOCKING

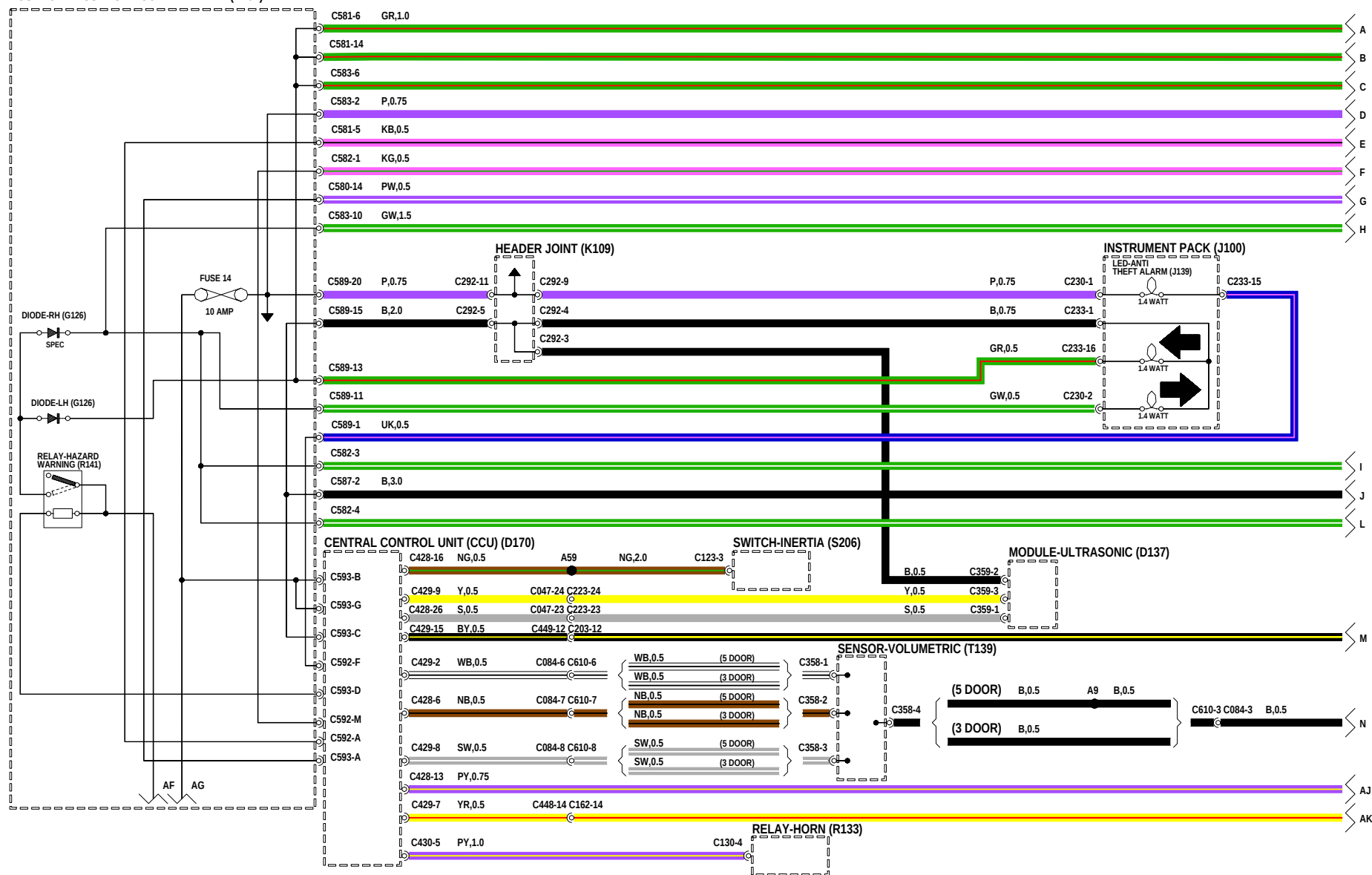
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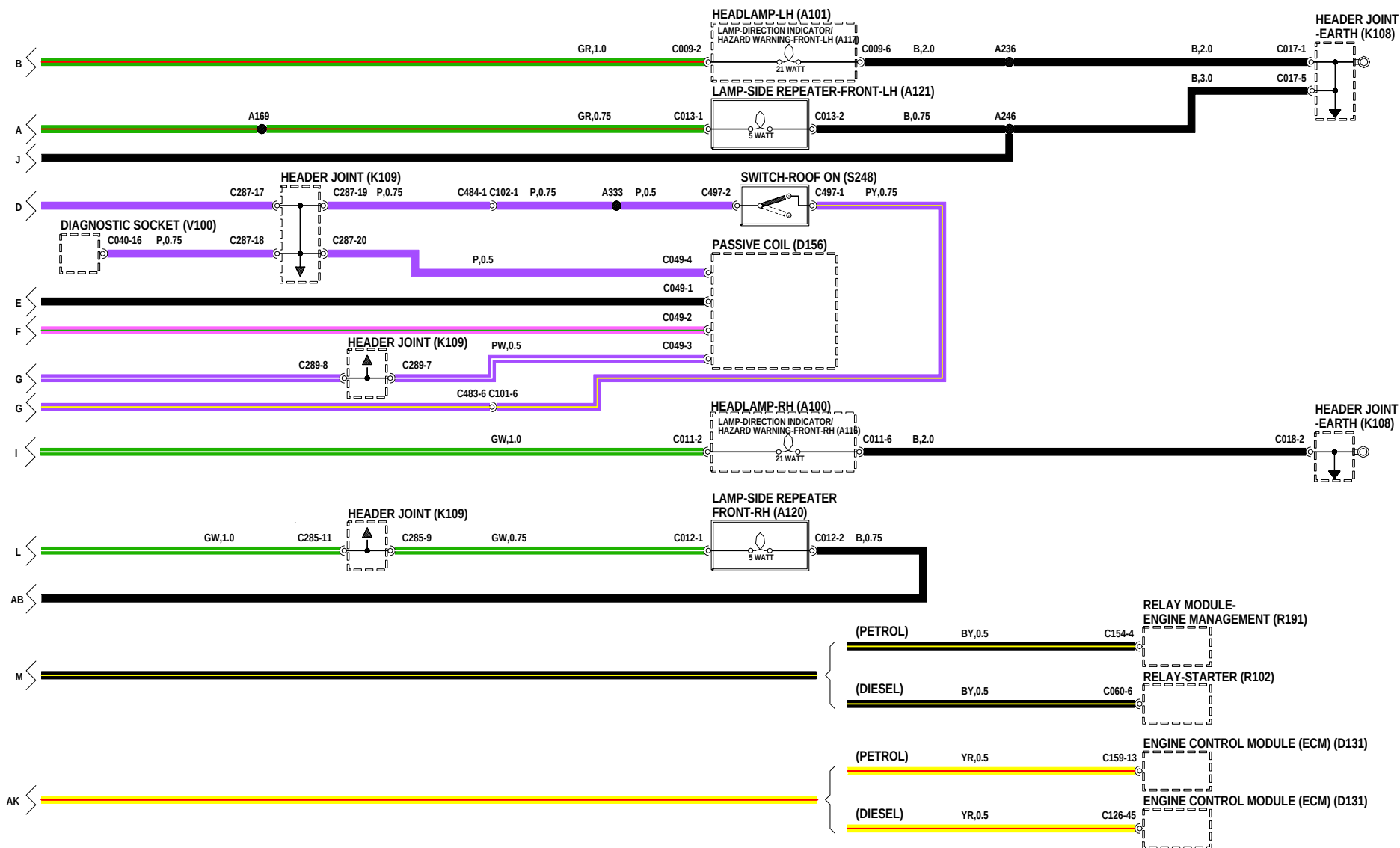
LHD

FUSEBOX-PASSENGER COMPARTMENT (P101)

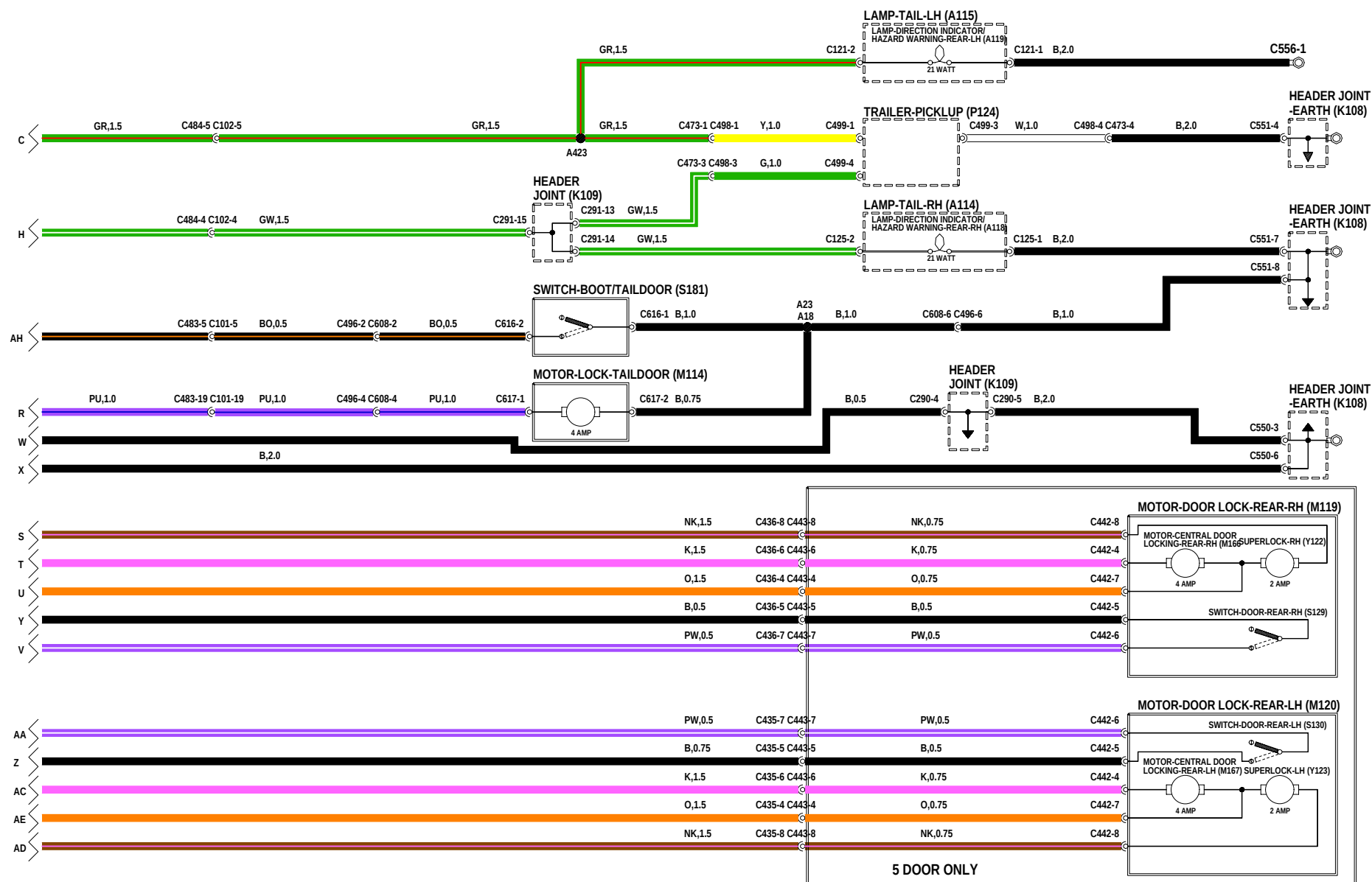


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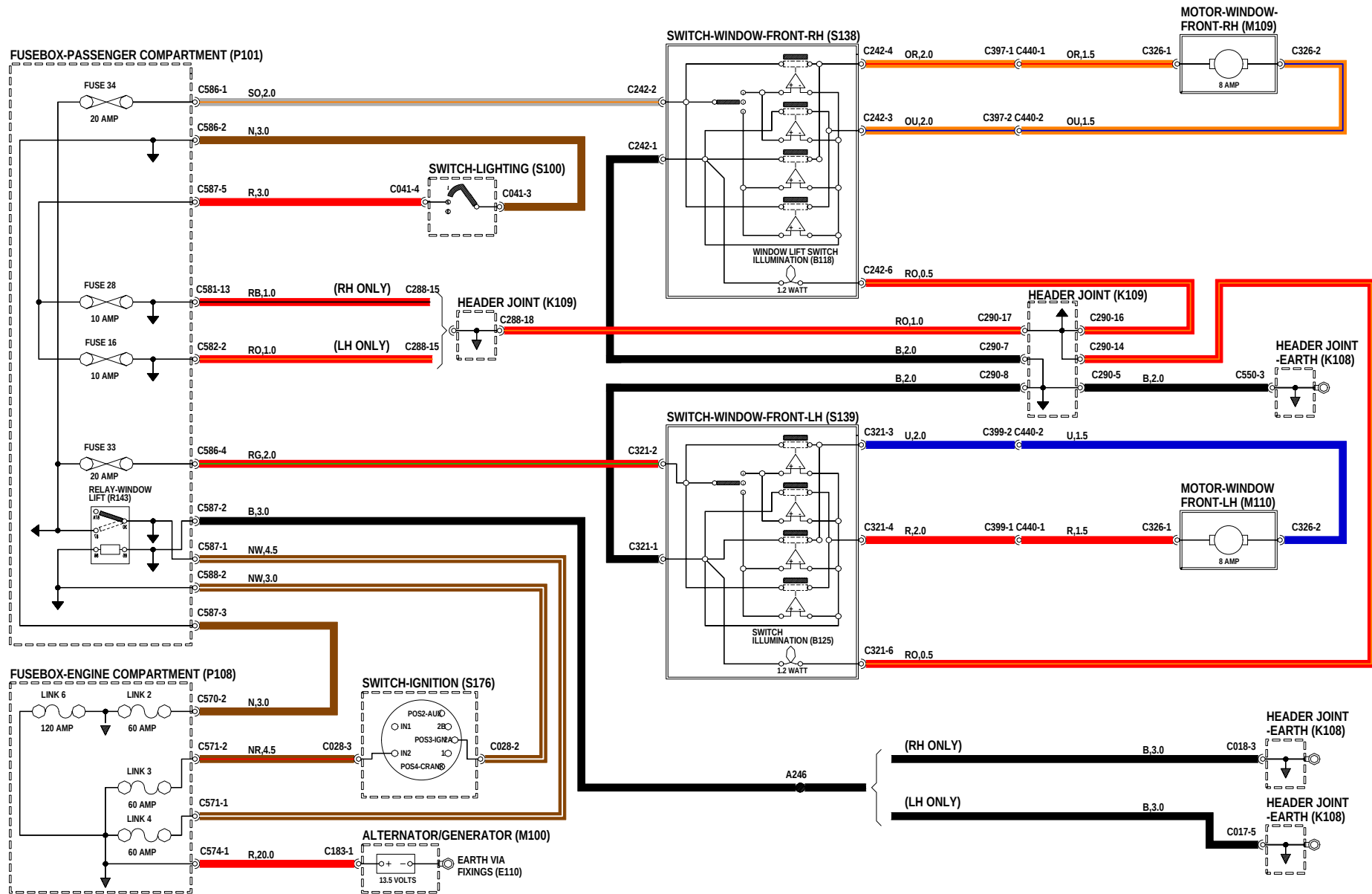
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ANTI-THEFT ALARM AND CENTRAL DOOR LOCKING LHD

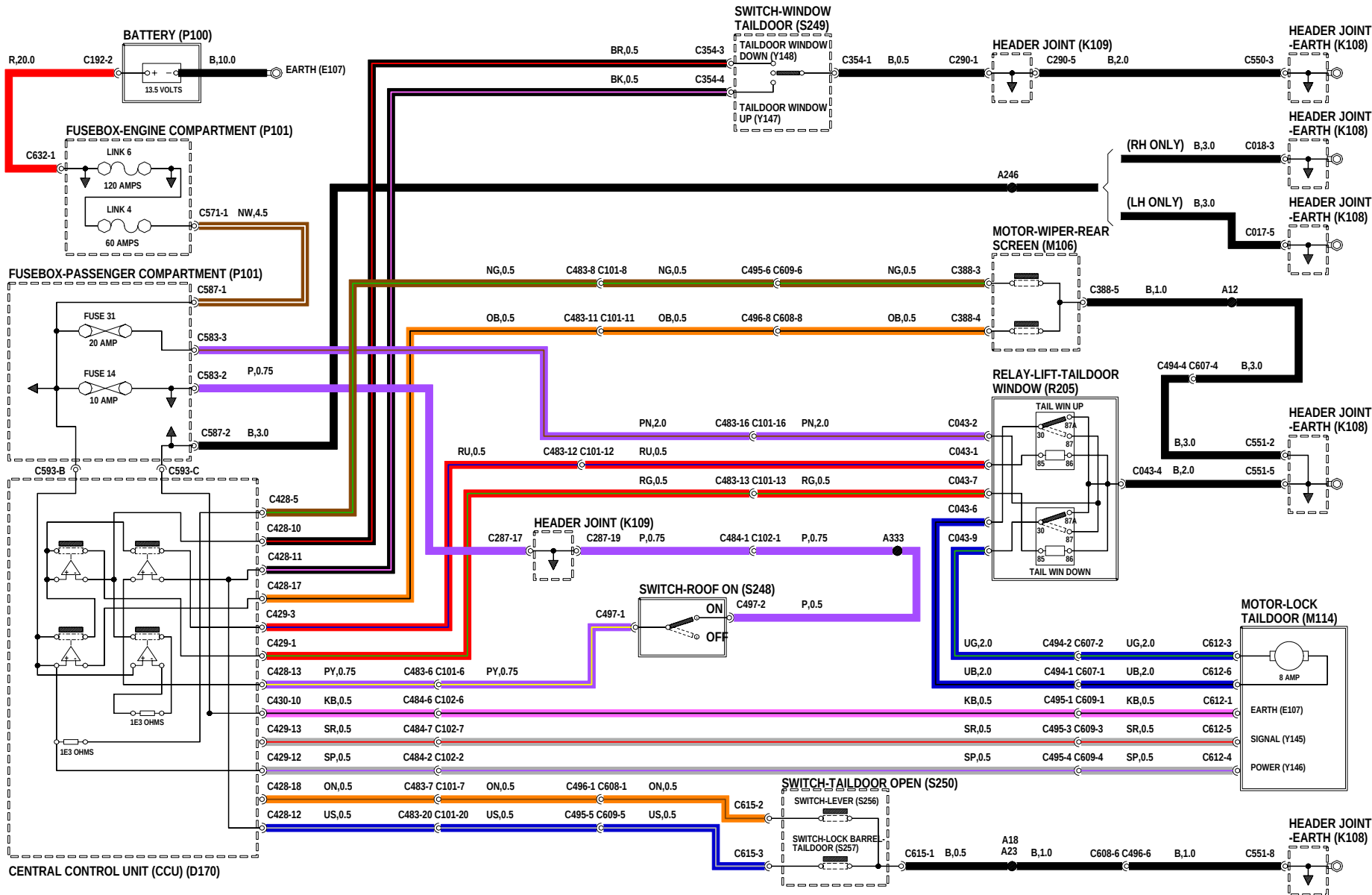


WINDOWS DOOR WINDOWS

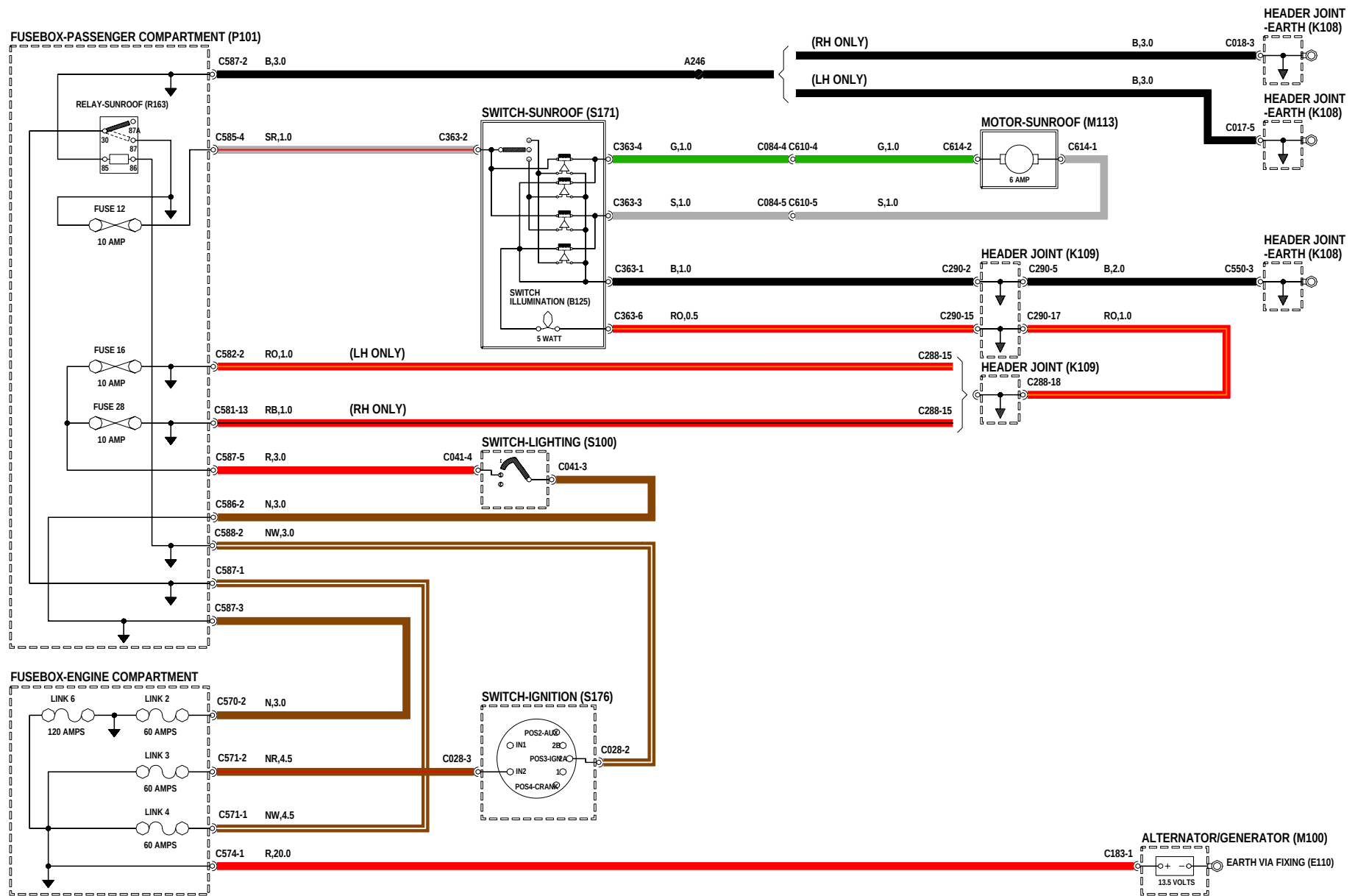


WINDOWS

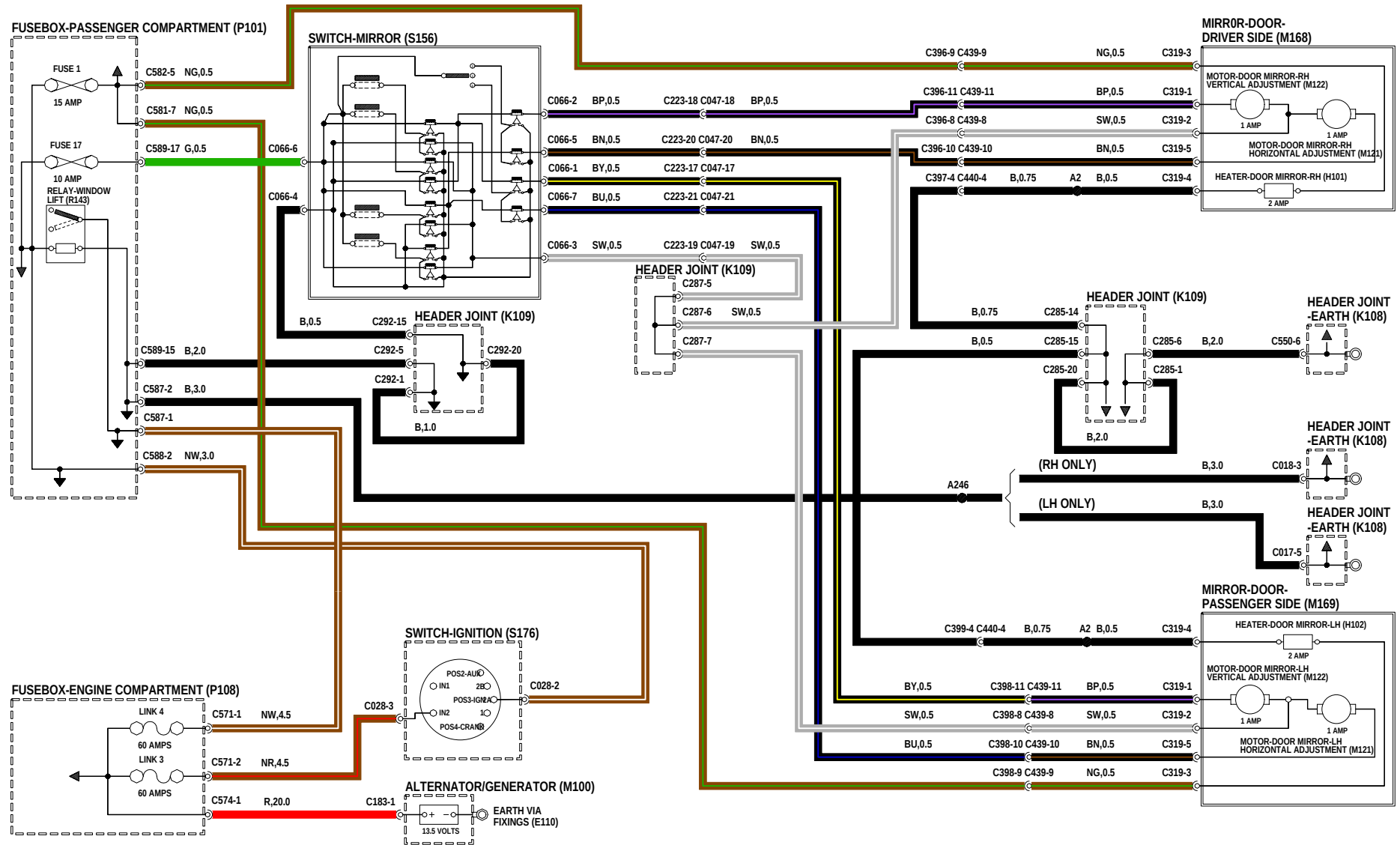
TAIL DOOR WINDOW



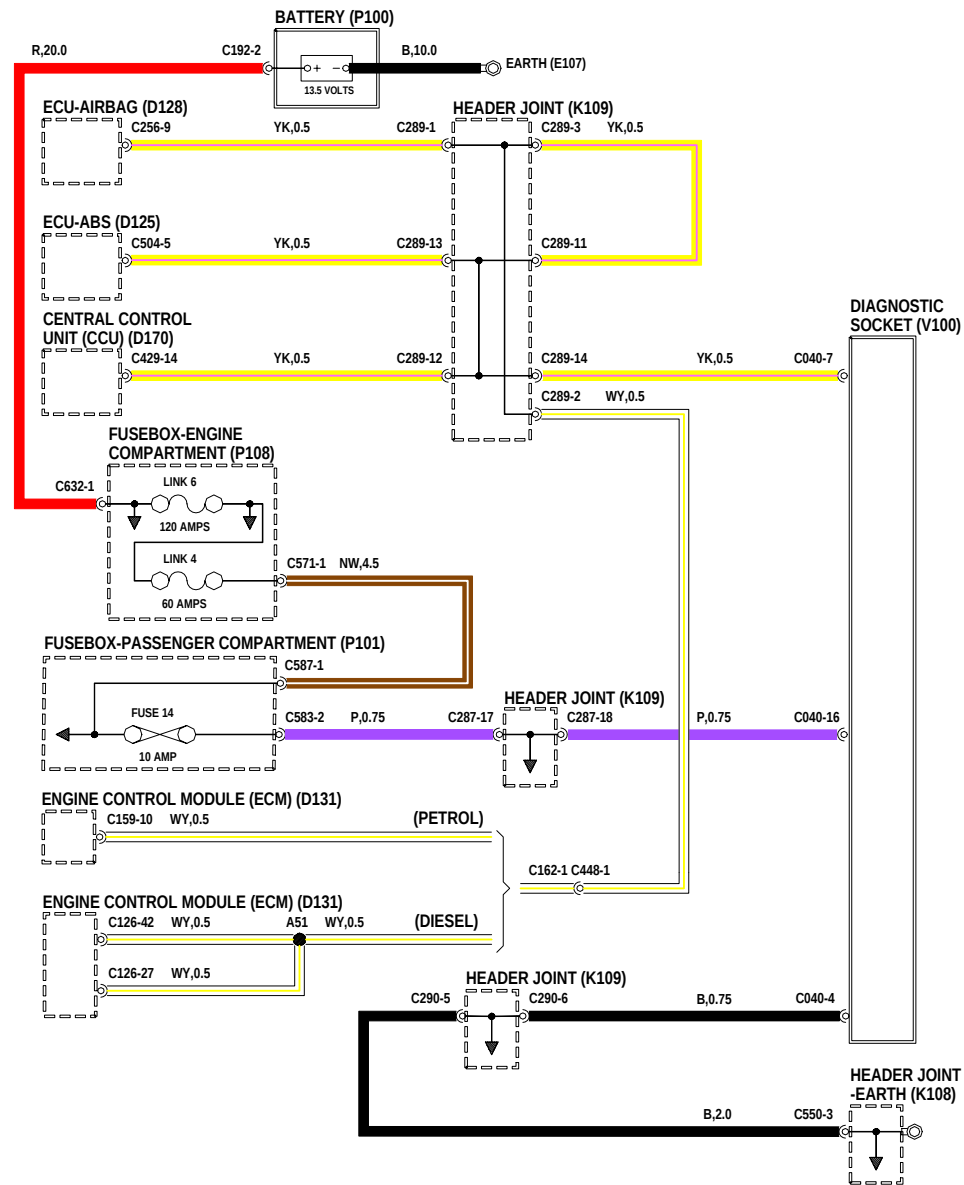
SUNROOF



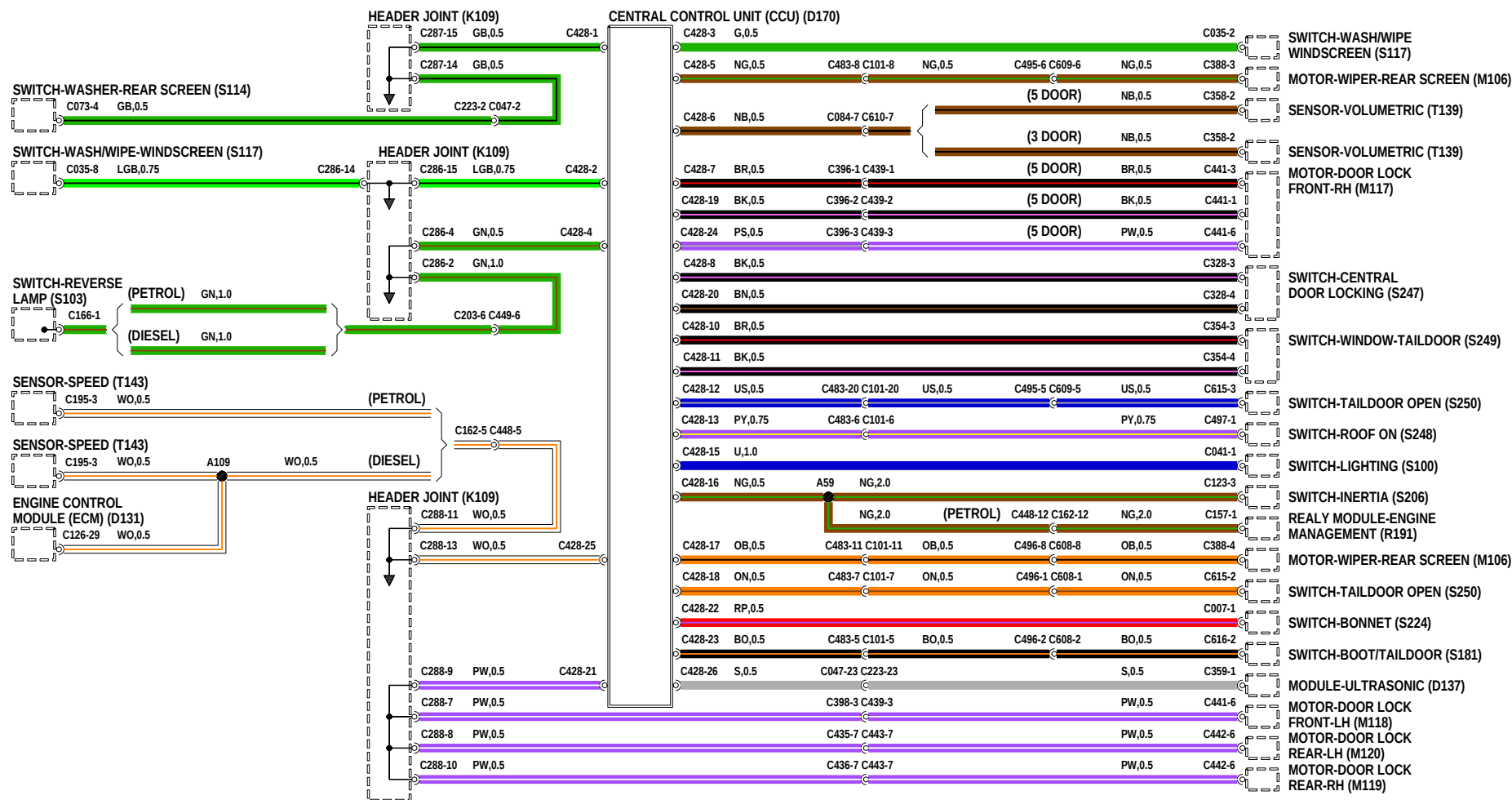
DOOR MIRRORS



DIAGNOSTIC SOCKET

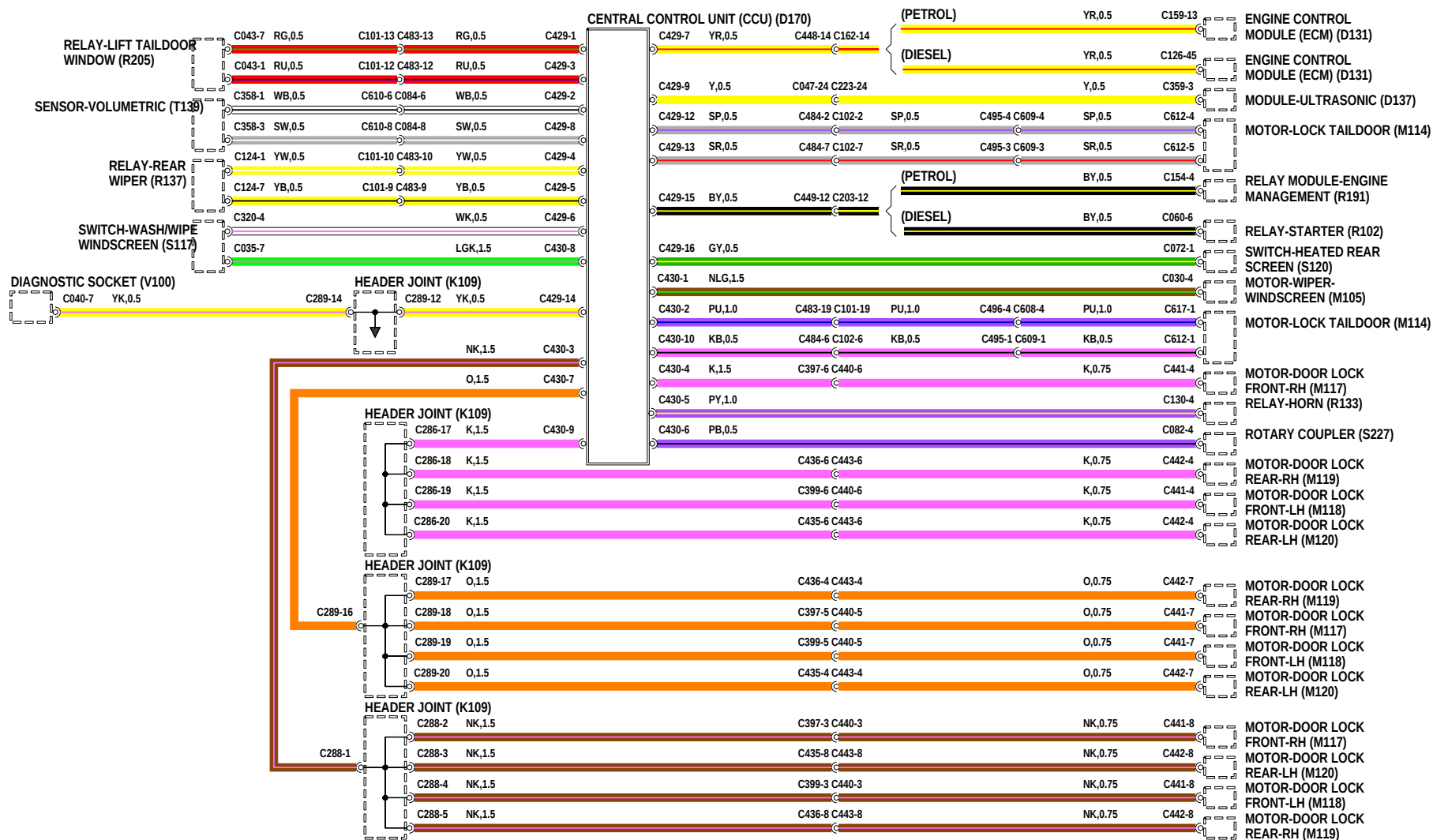


CENTRAL CONTROL UNIT (CCU) RHD

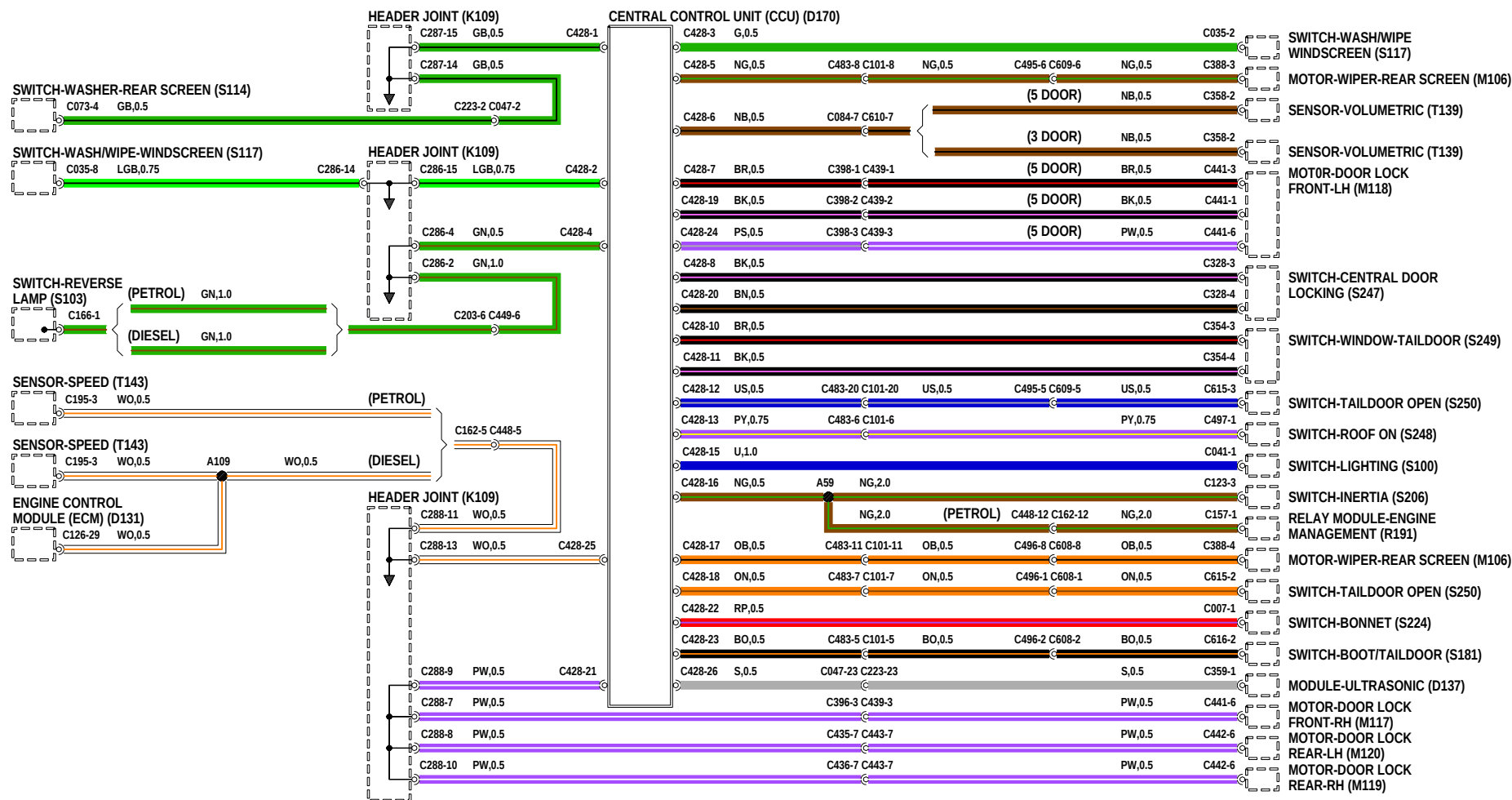


CENTRAL CONTROL UNIT (CCU)

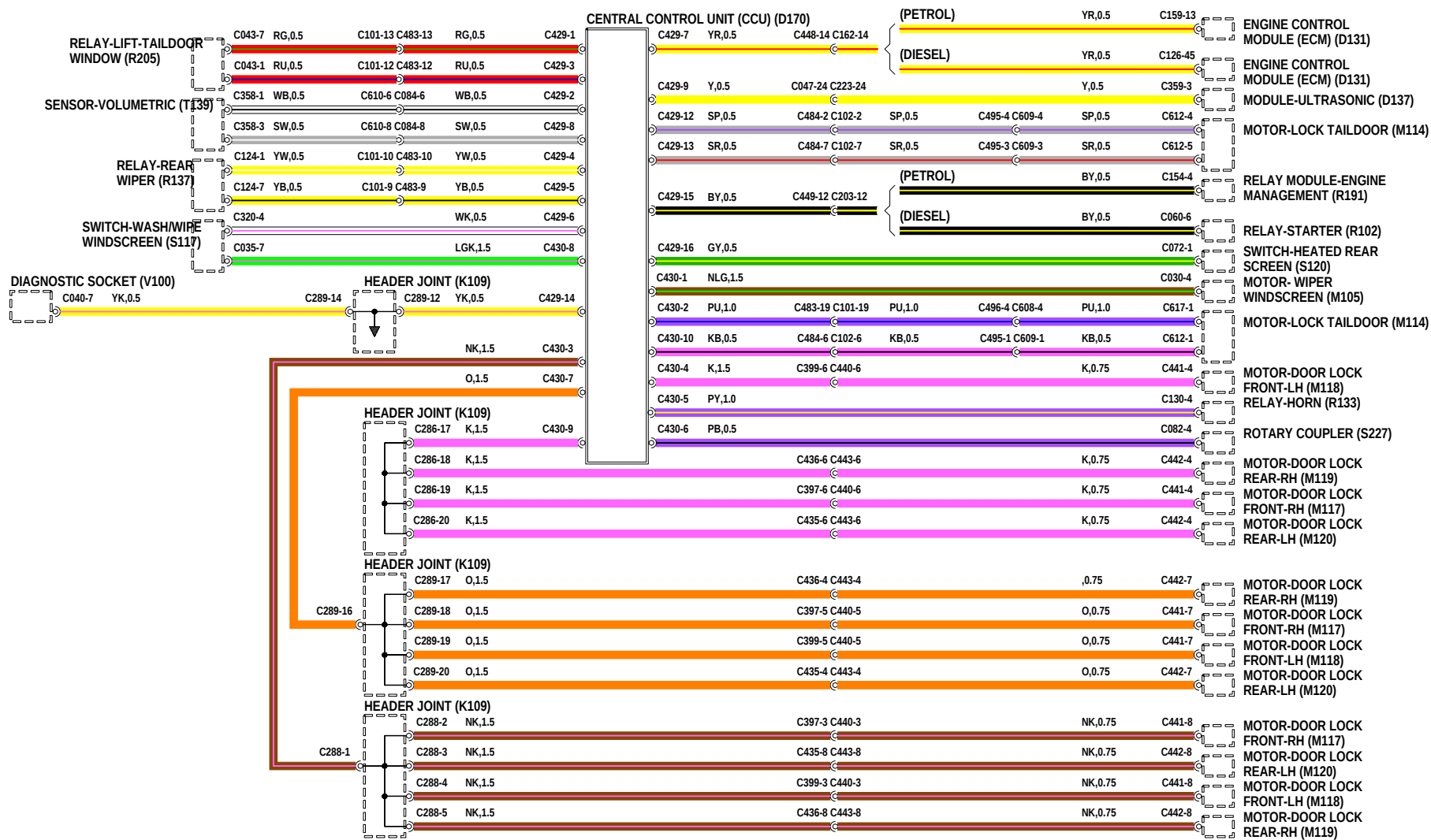
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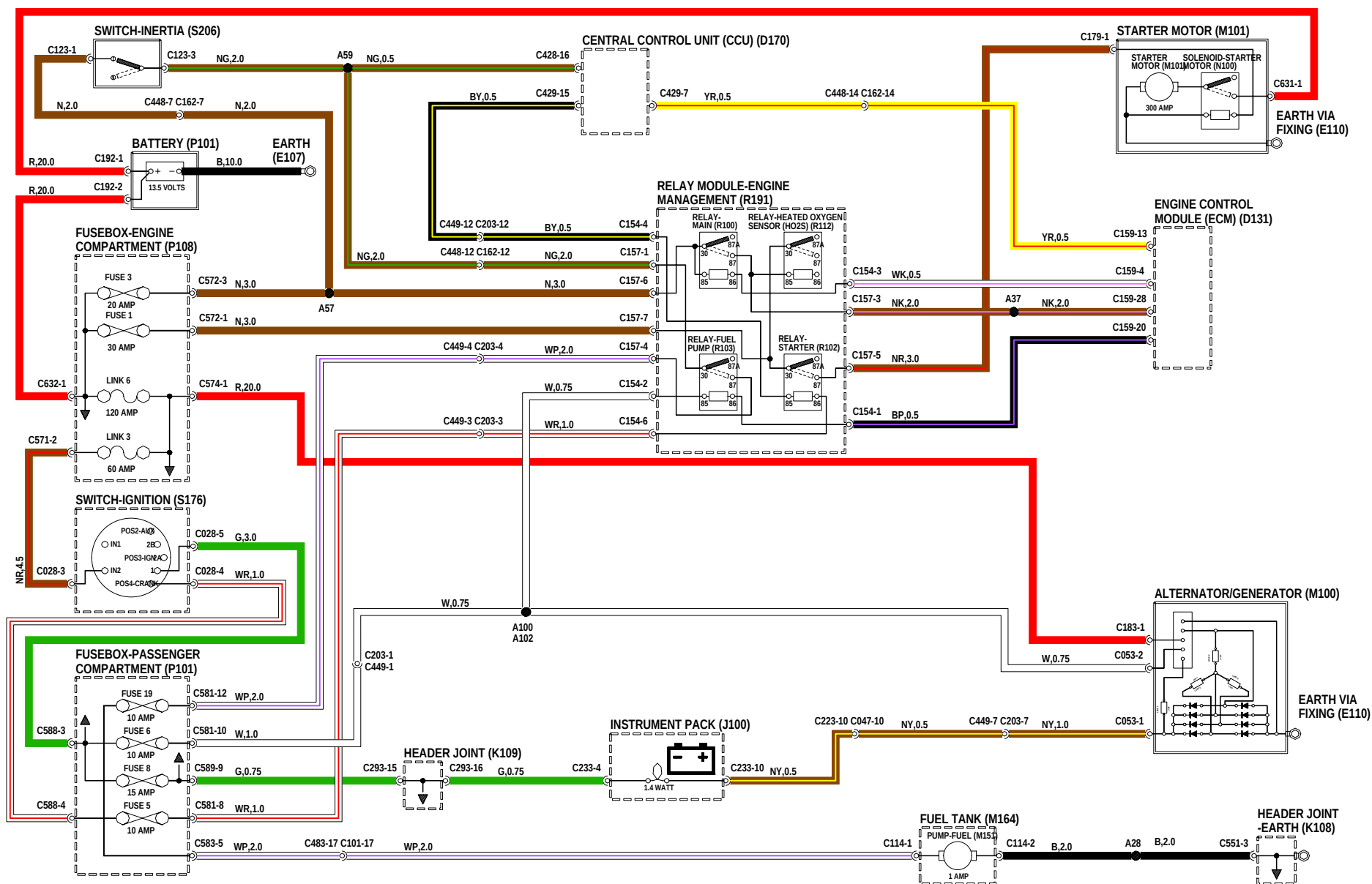
CENTRAL CONTROL UNIT (CCU) LHD



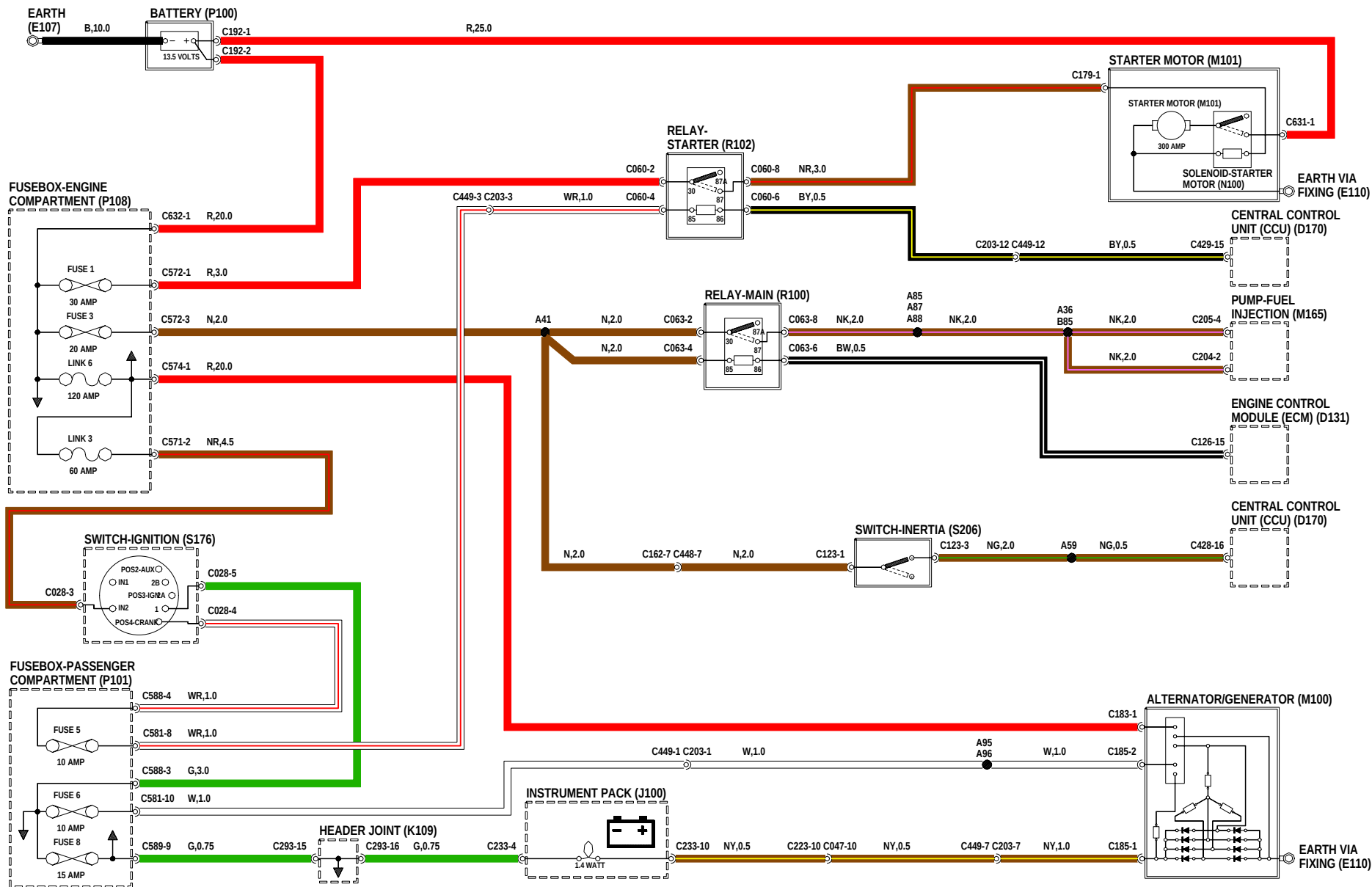
CENTRAL CONTROL UNIT (CCU) LHD



CHARGING AND STARTING SYSTEM K SERIES

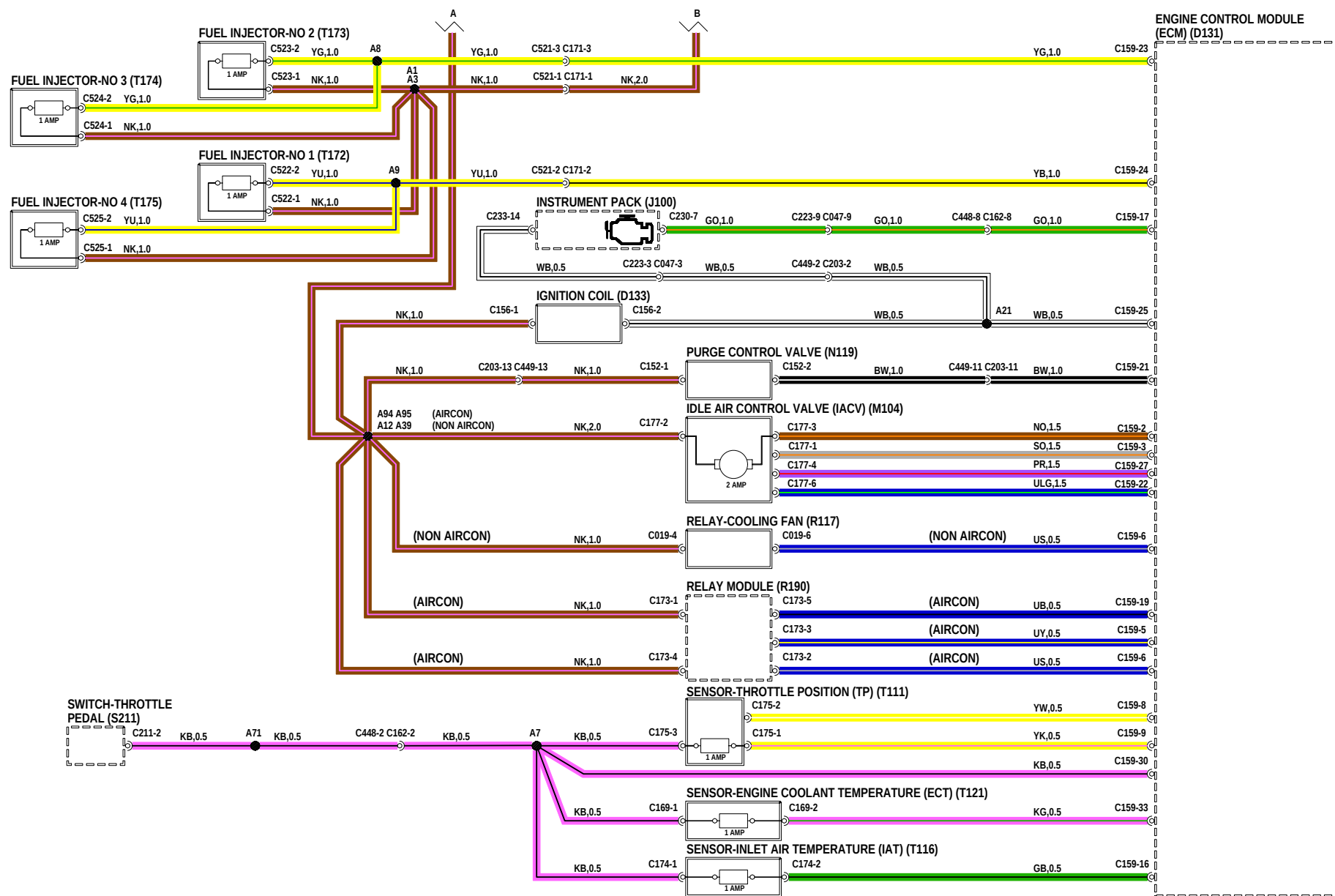


CHARGING AND STARTING SYSTEM



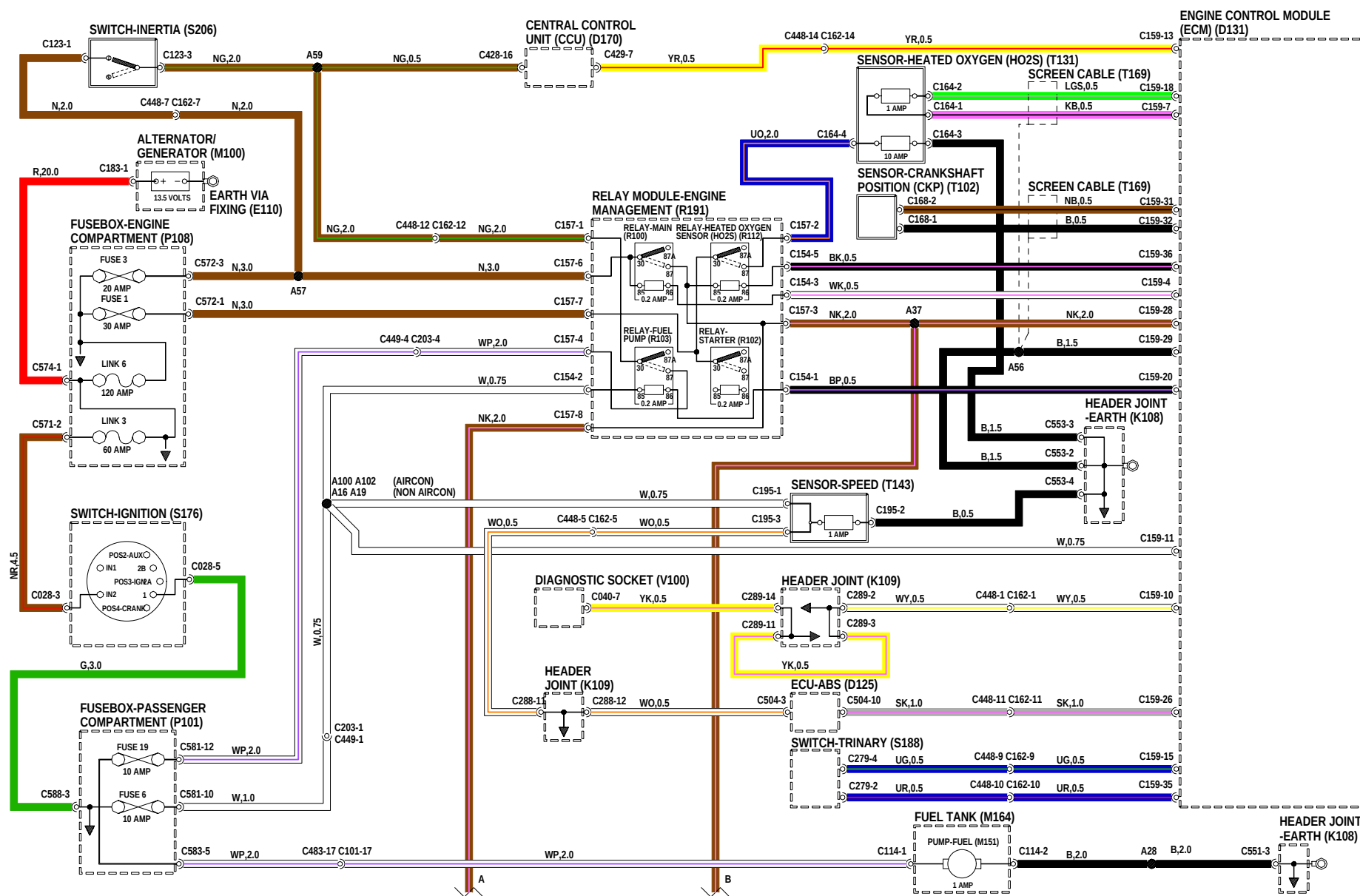
ENGINE MANAGEMENT

MODULAR ENGINE MANAGEMENT SYSTEM (MEMS)



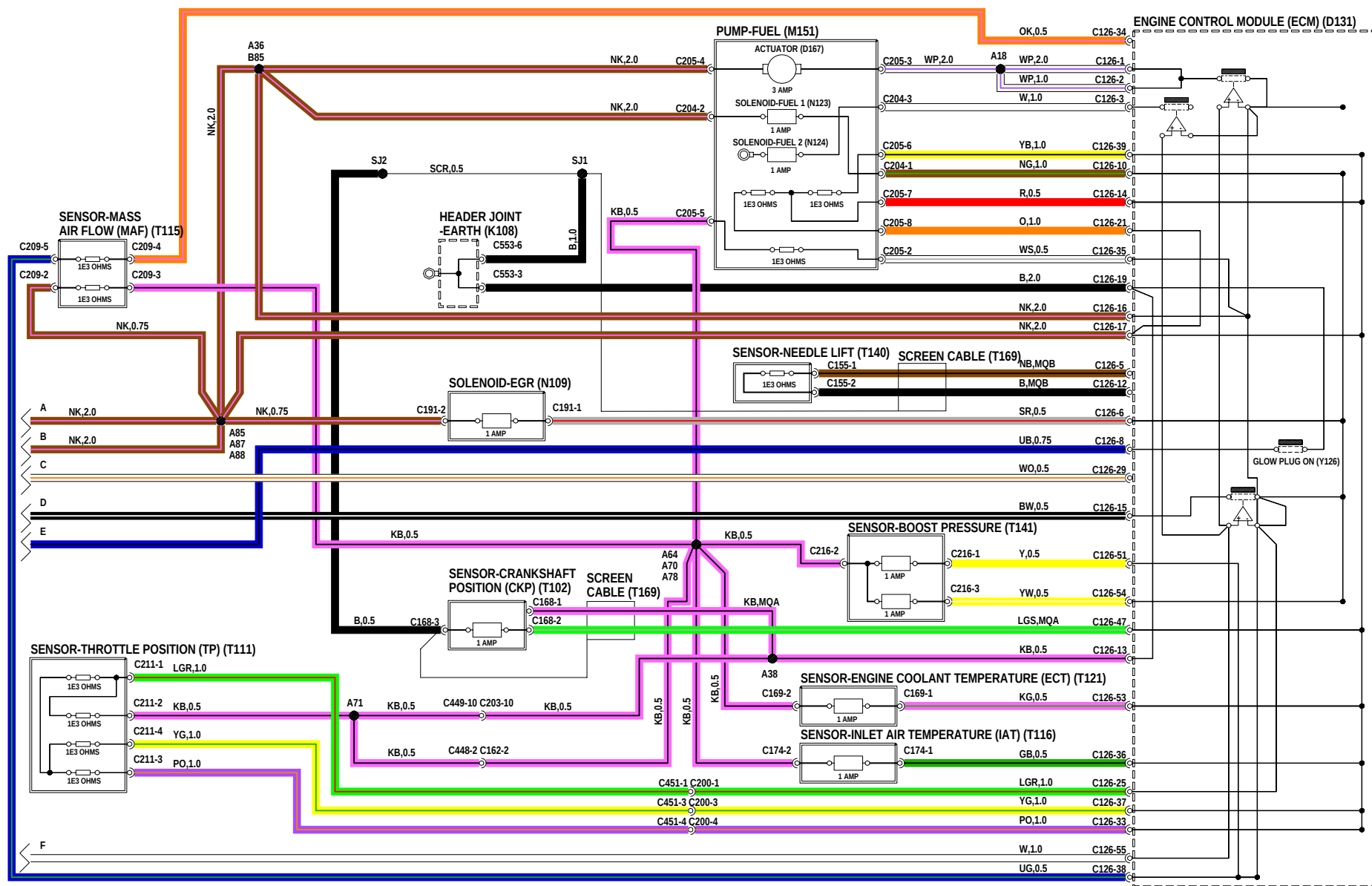
ENGINE MANAGEMENT

MODULAR ENGINE MANAGEMENT SYSTEM (MEMS)



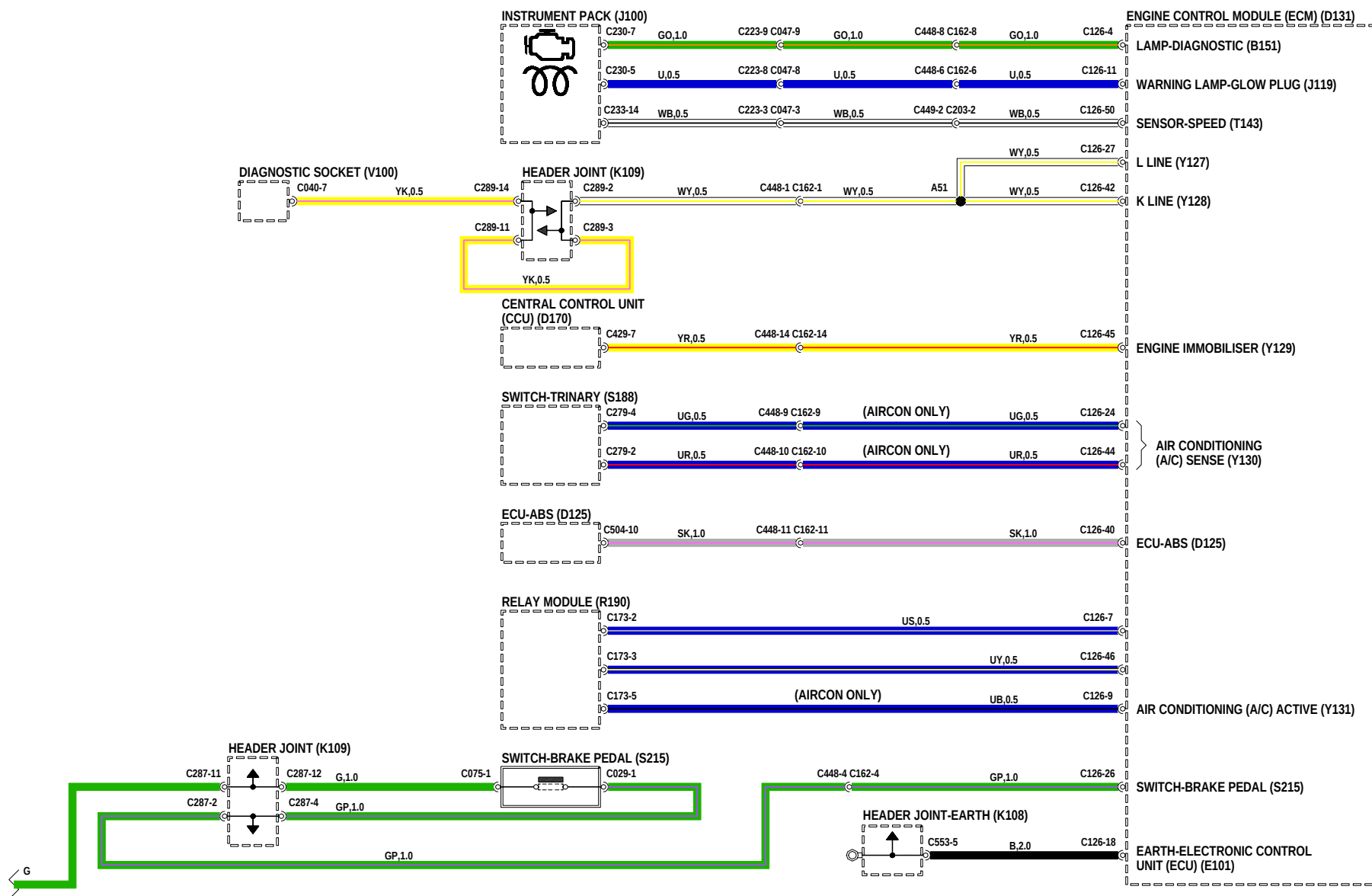
ENGINE MANAGEMENT

ELECTRONIC DIESEL CONTROL (EDC)

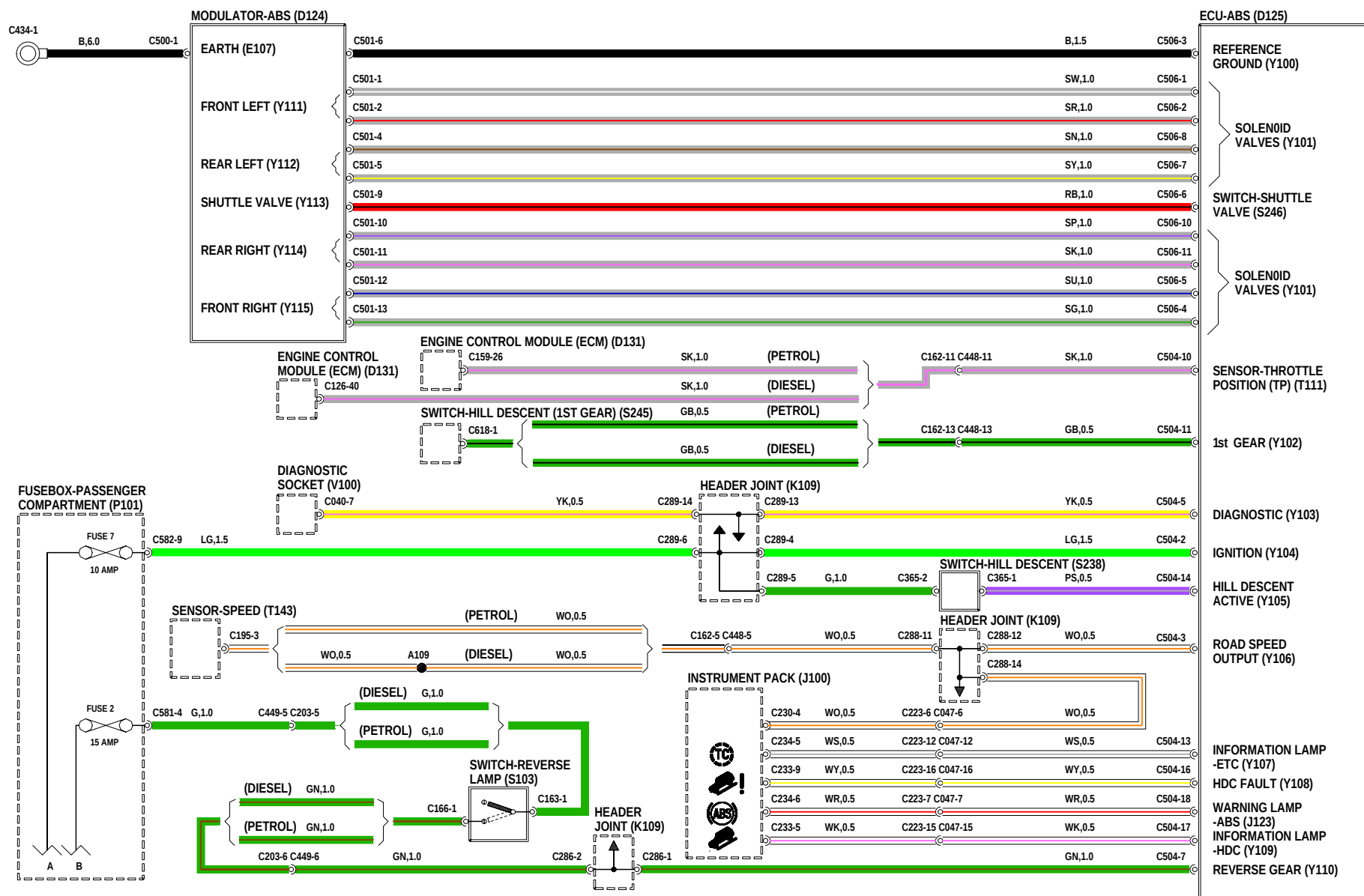


ENGINE MANAGEMENT

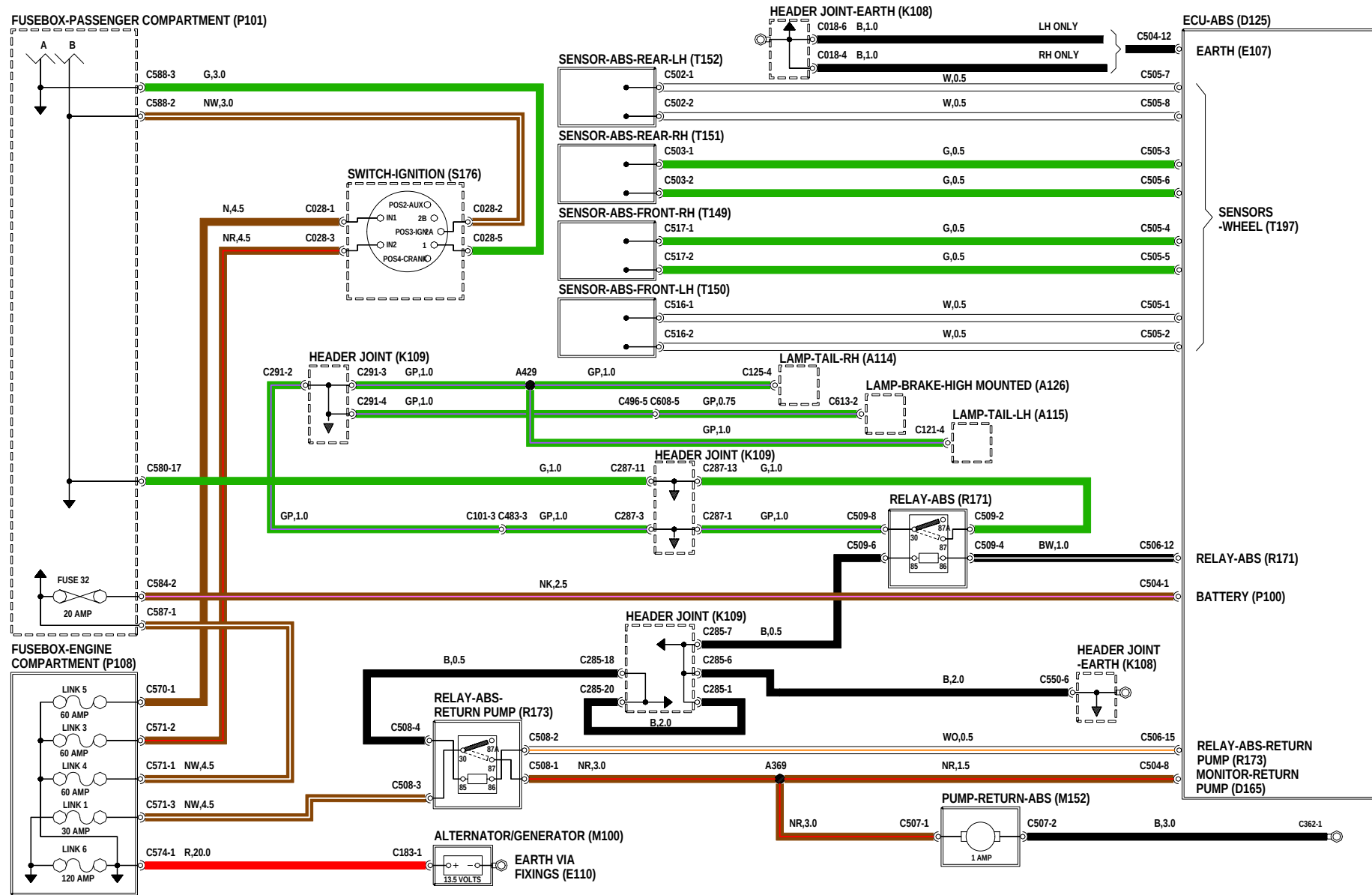
ELECTRONIC DIESEL CONTROL (EDC)



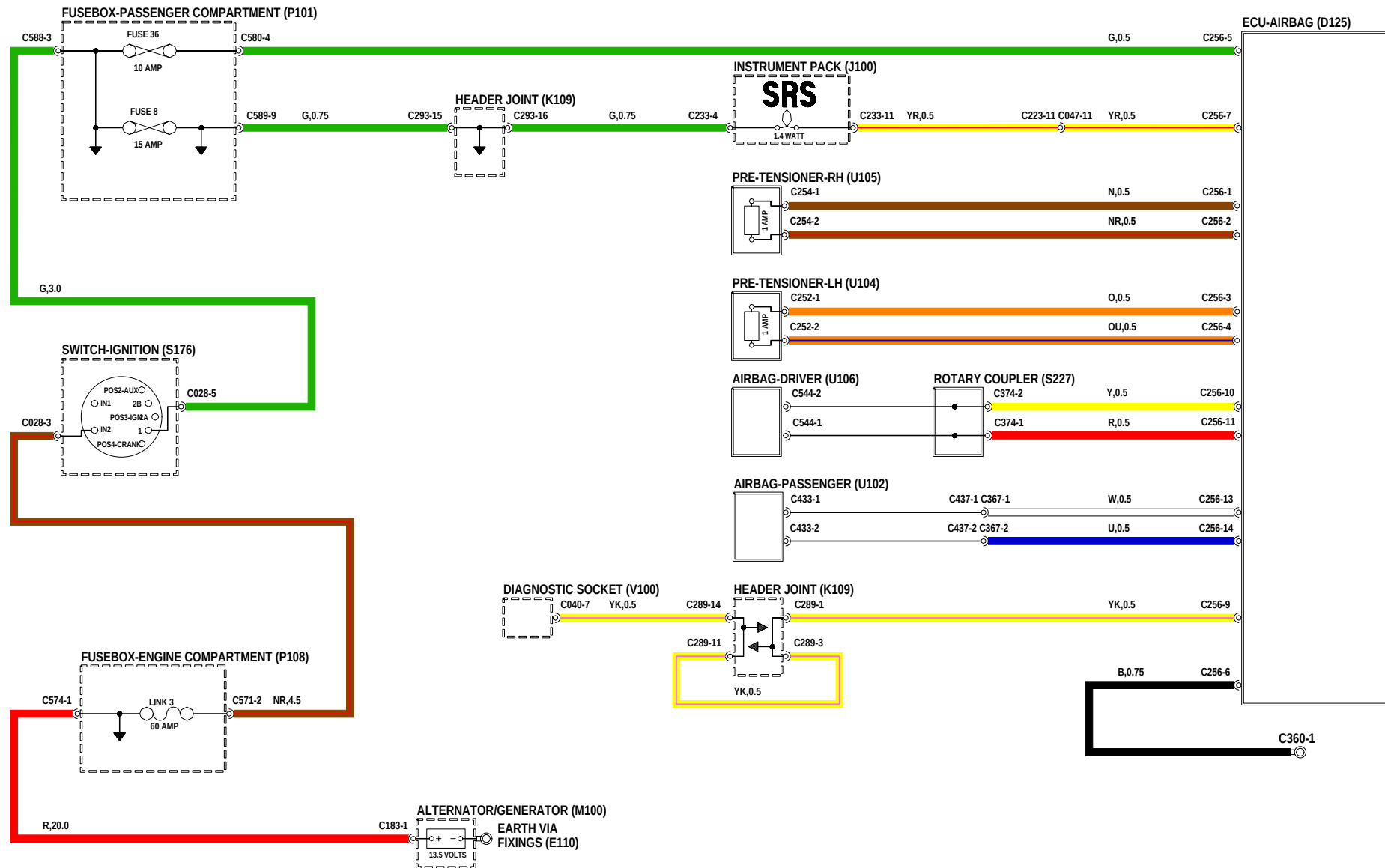
ANTI-LOCK BRAKING SYSTEM (ABS)



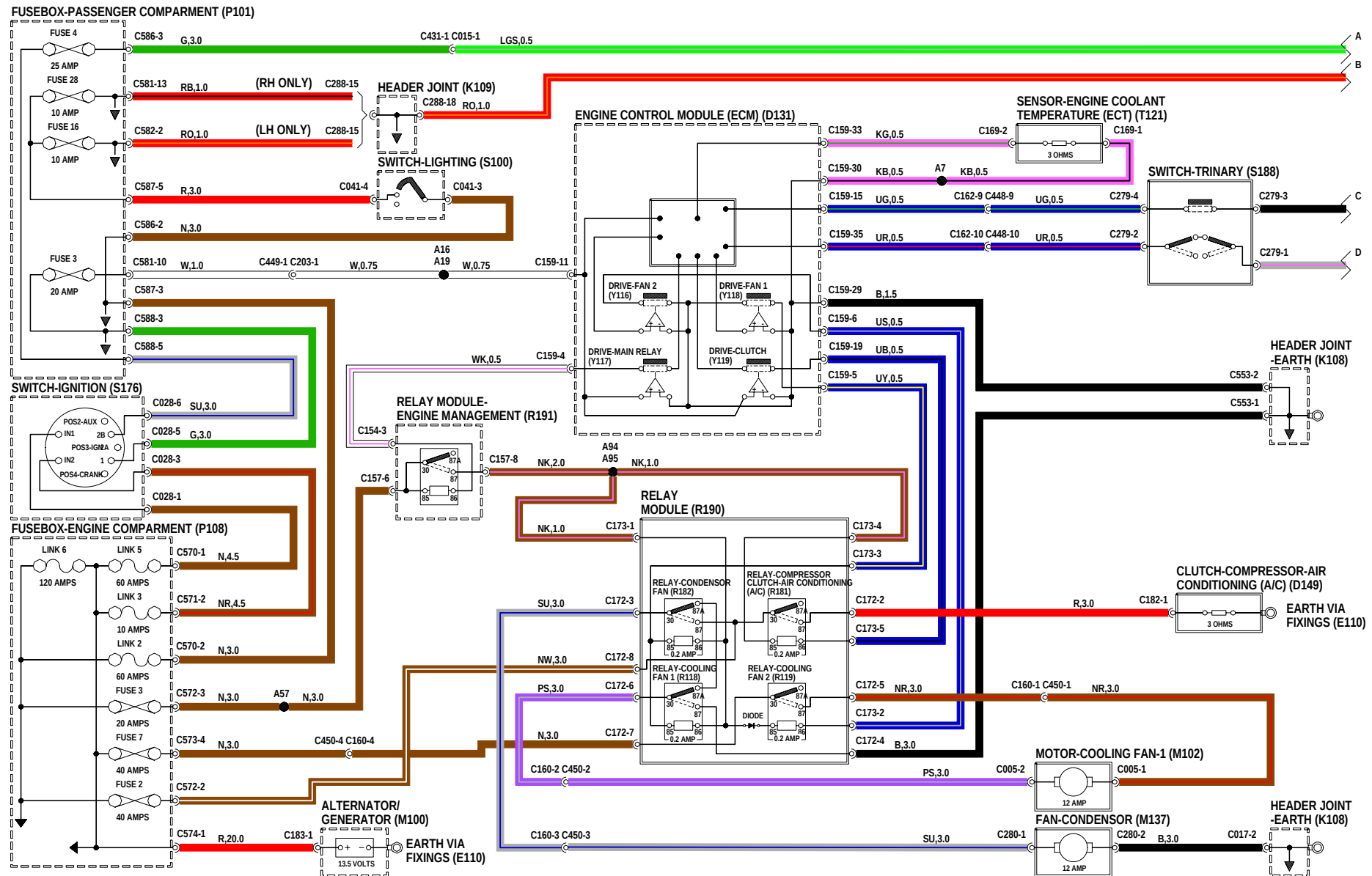
ANTI-LOCK BRAKING SYSTEM (ABS)



SUPPLEMENTARY RESTRAINT SYSTEM (SRS)

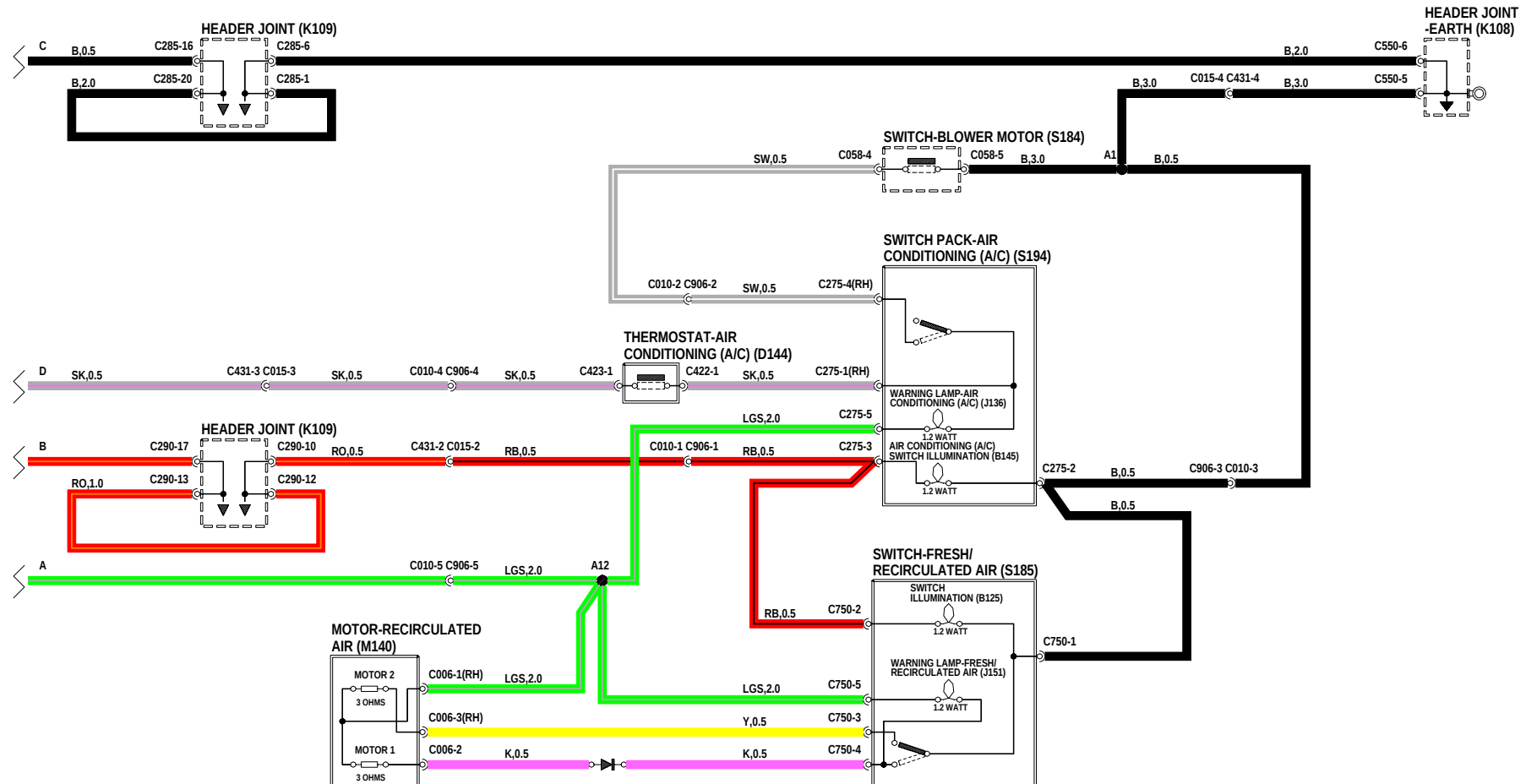


AIR CONDITIONING K SERIES



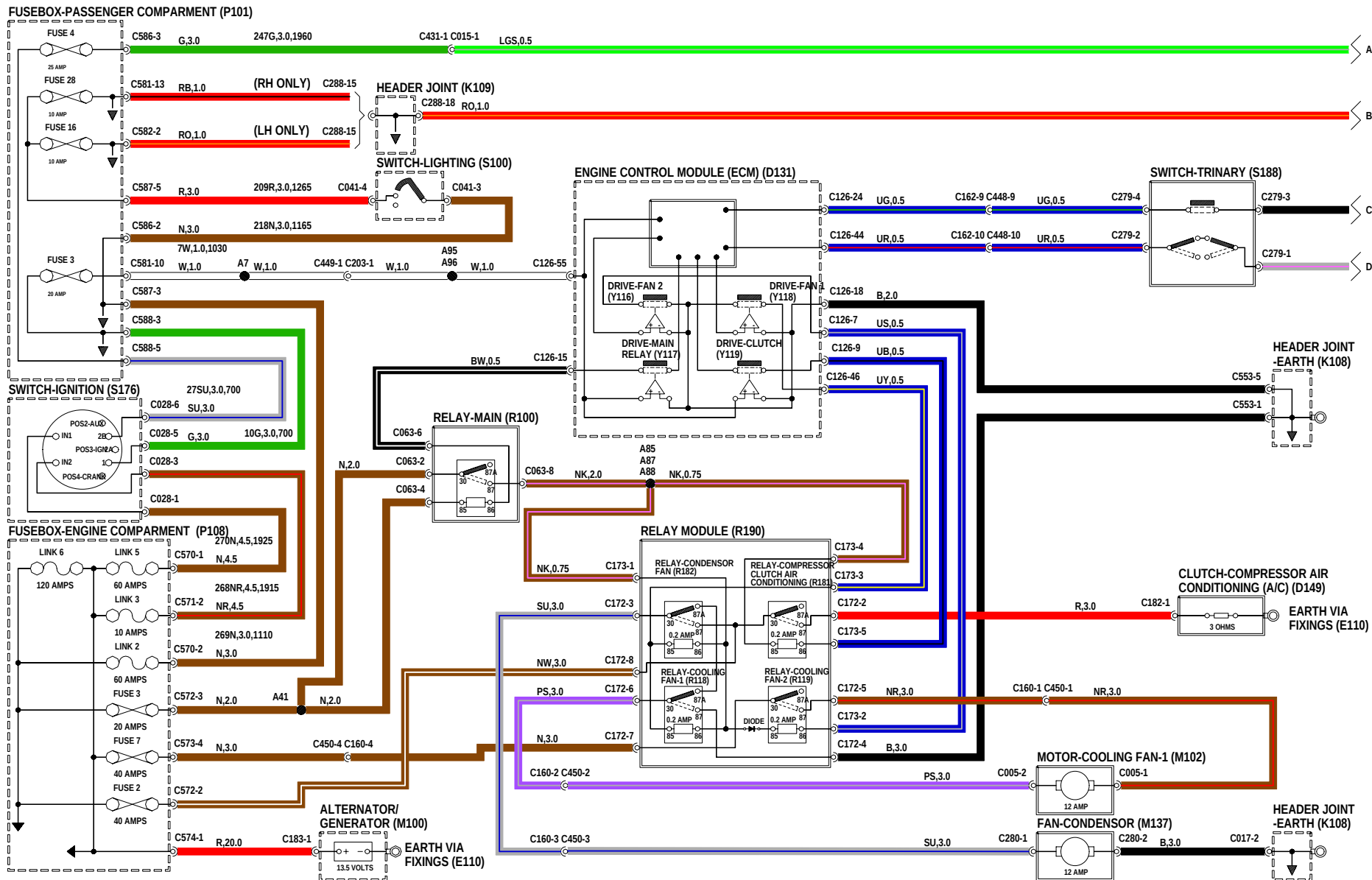
AIR CONDITIONING

K SERIES



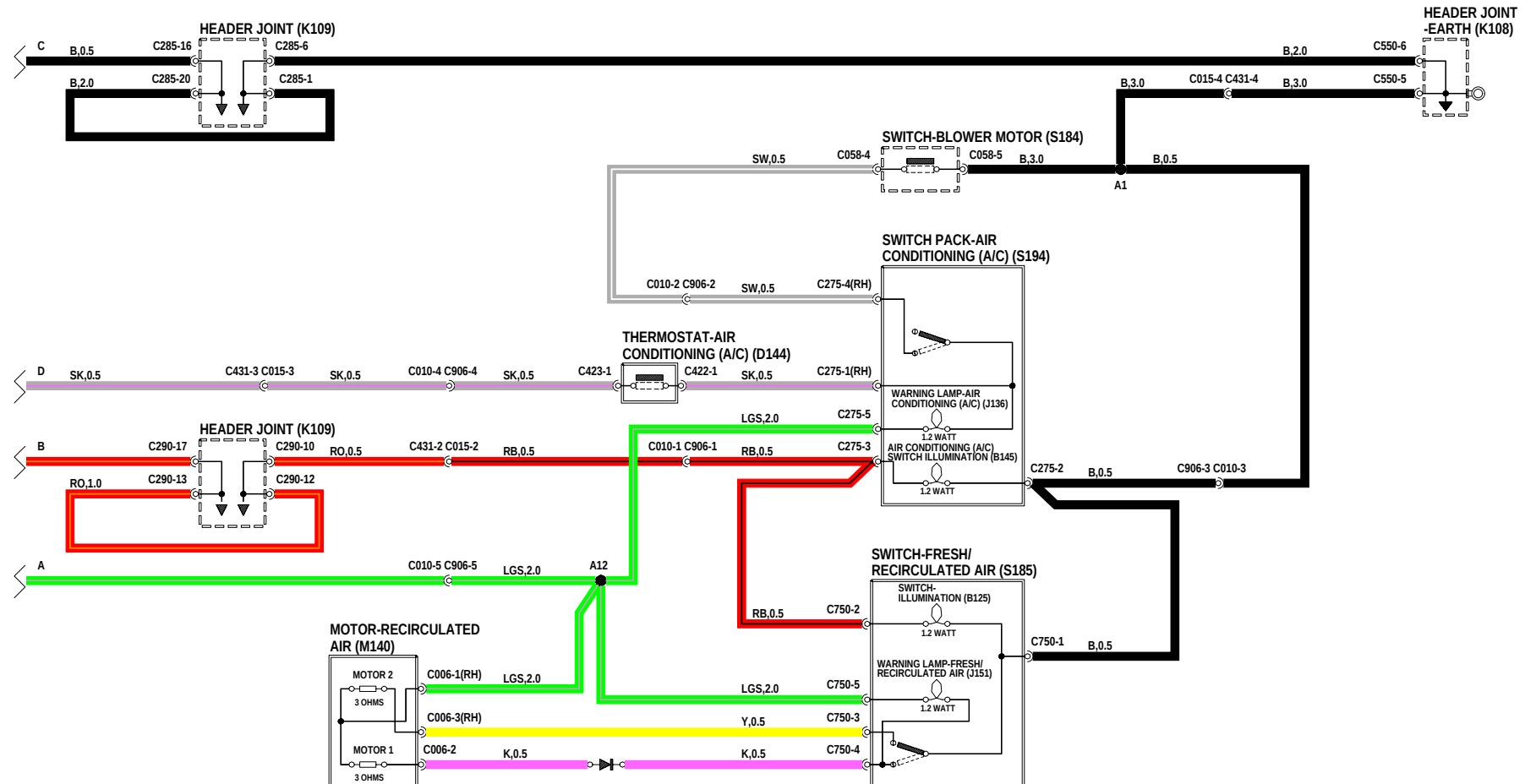
AIR CONDITIONING

L SERIES

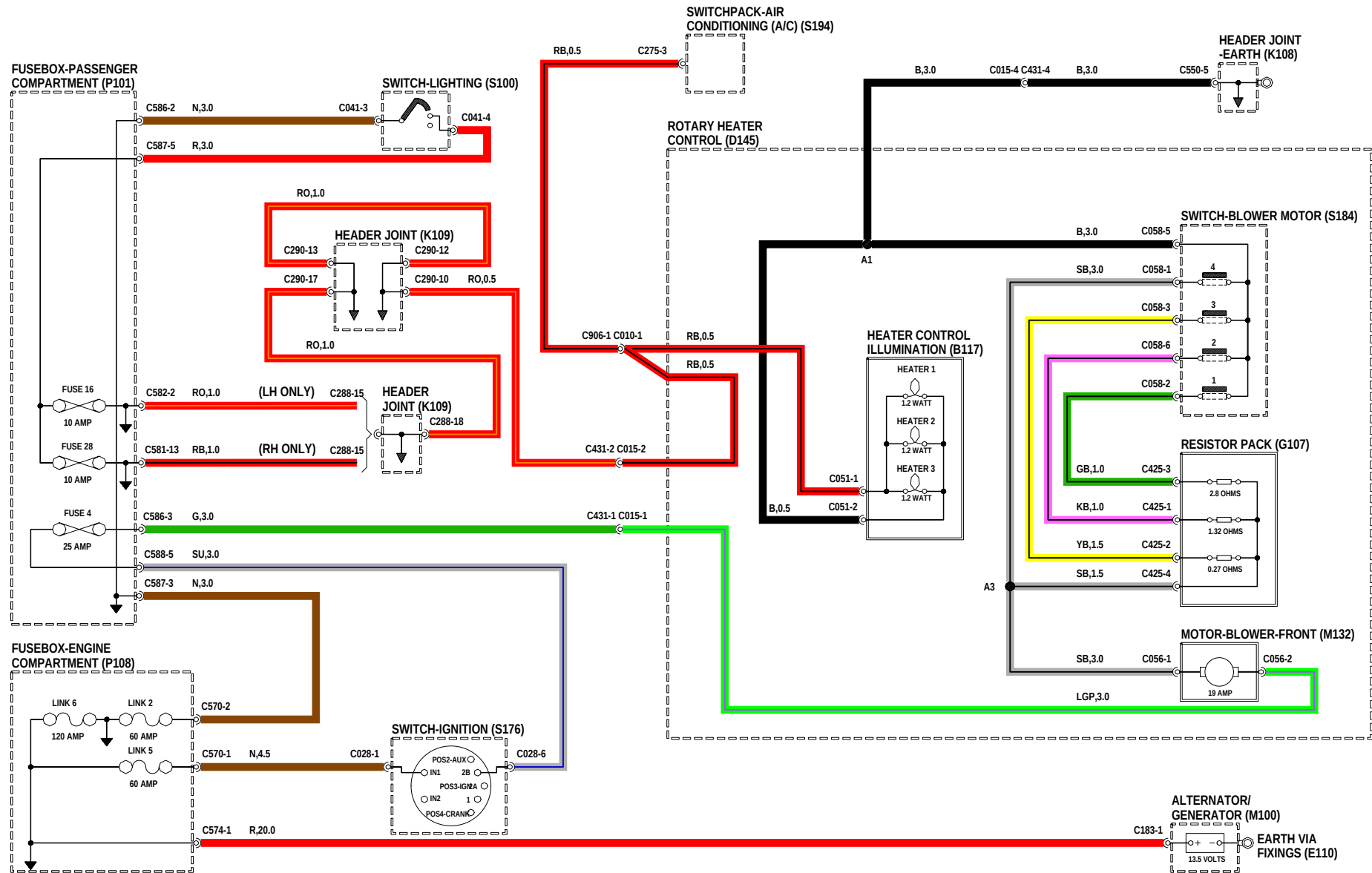


AIR CONDITIONING

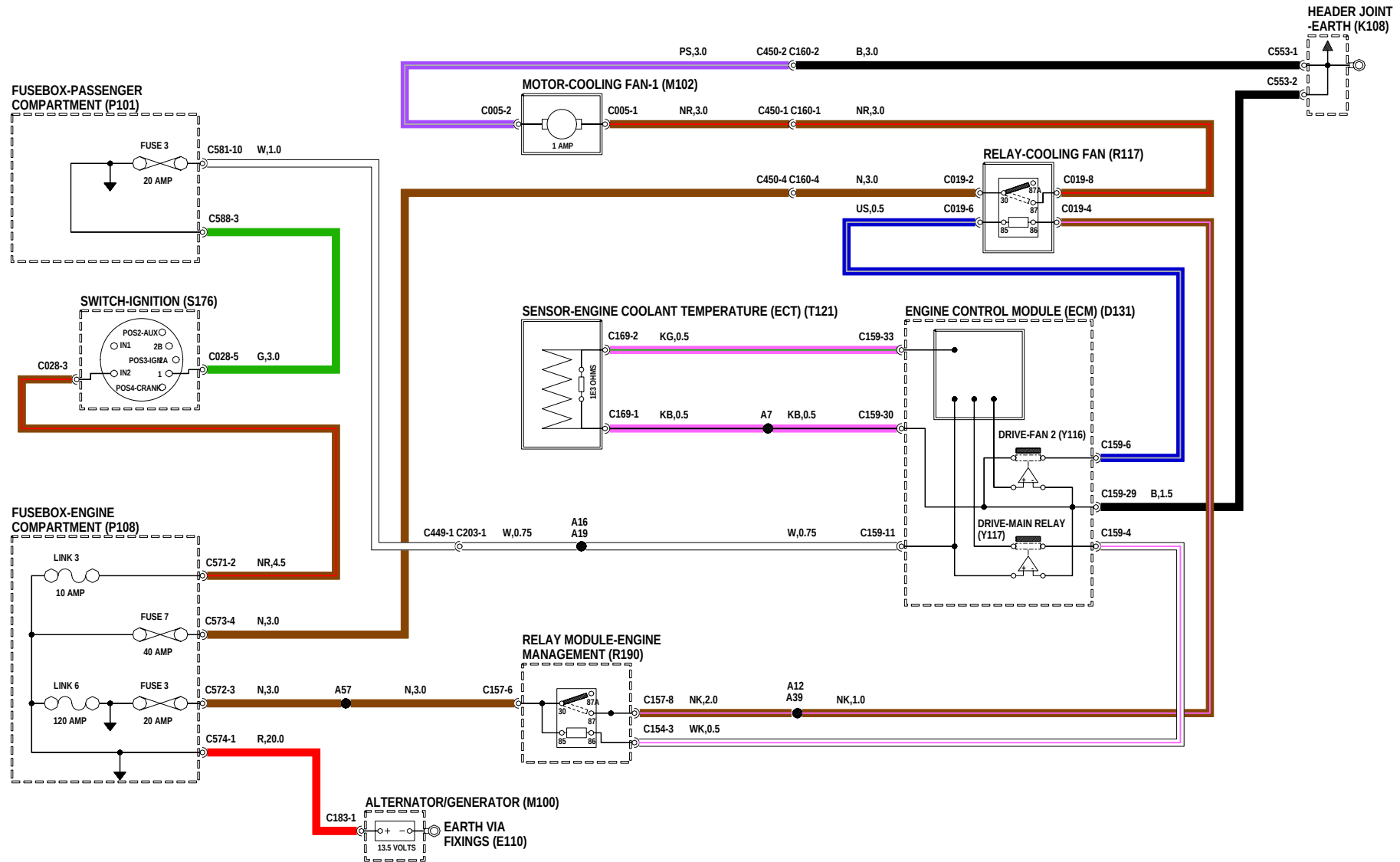
L SERIES



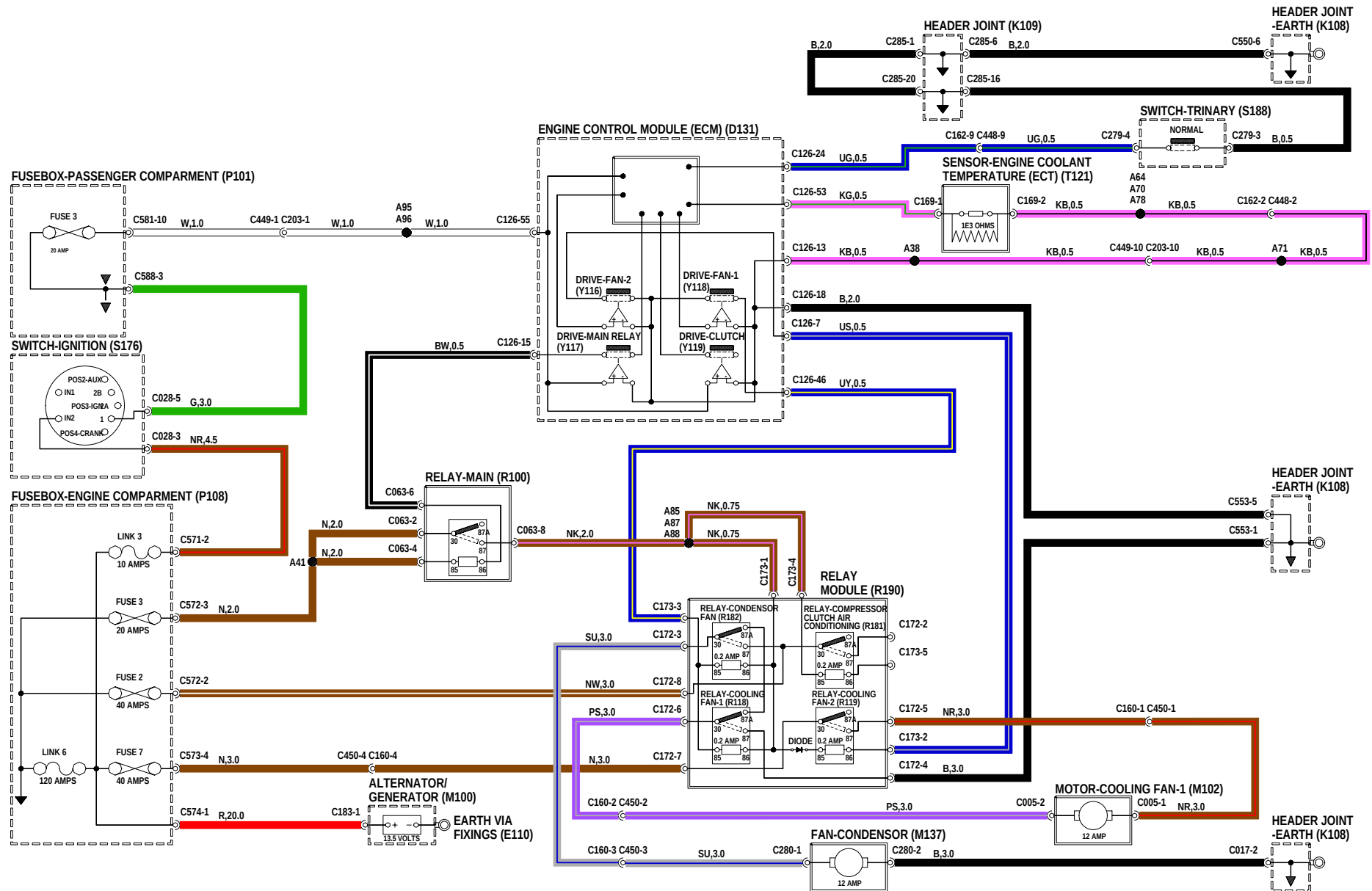
HEATER



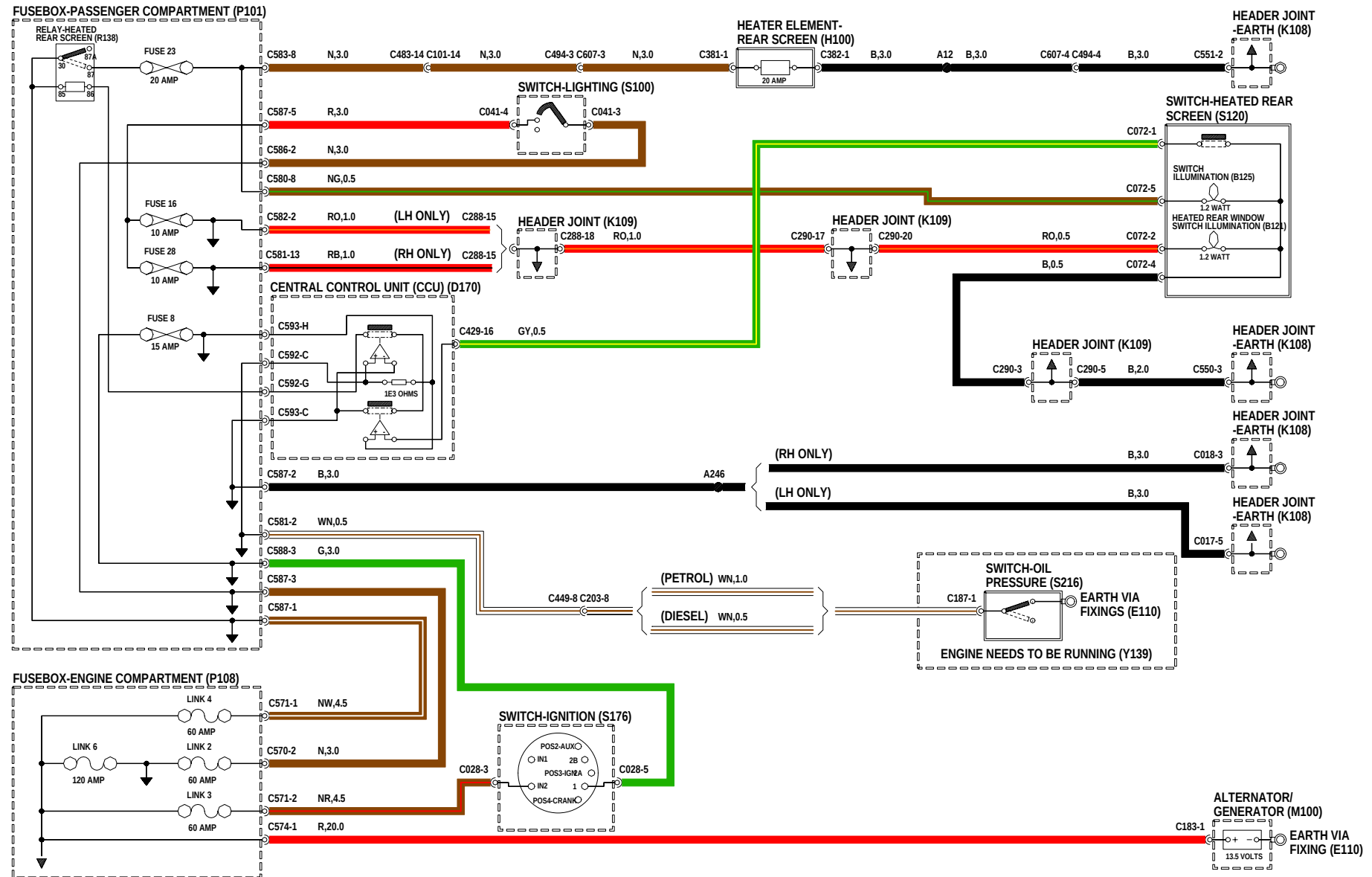
COOLING FAN K SERIES



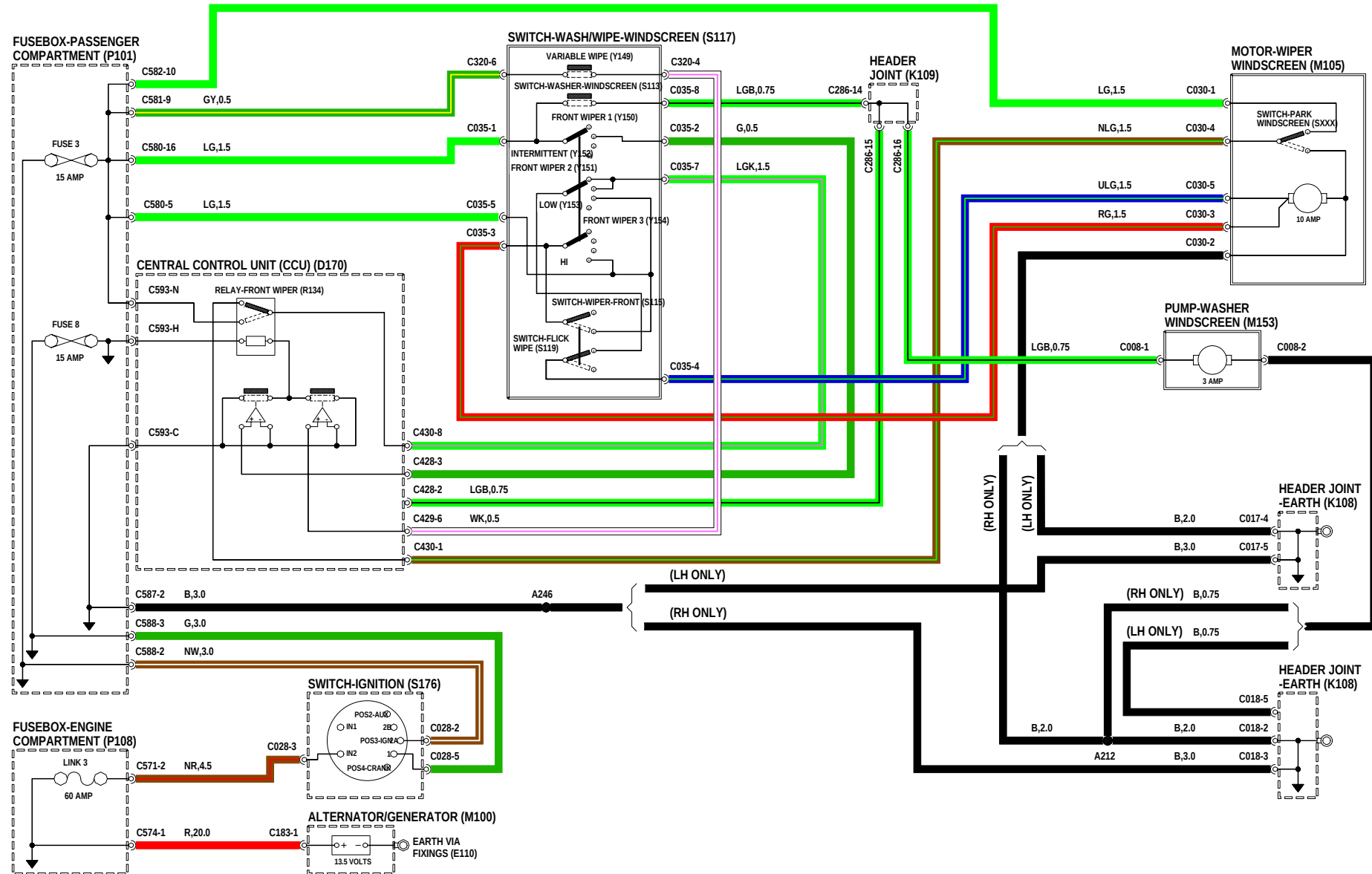
COOLING FAN L SERIES



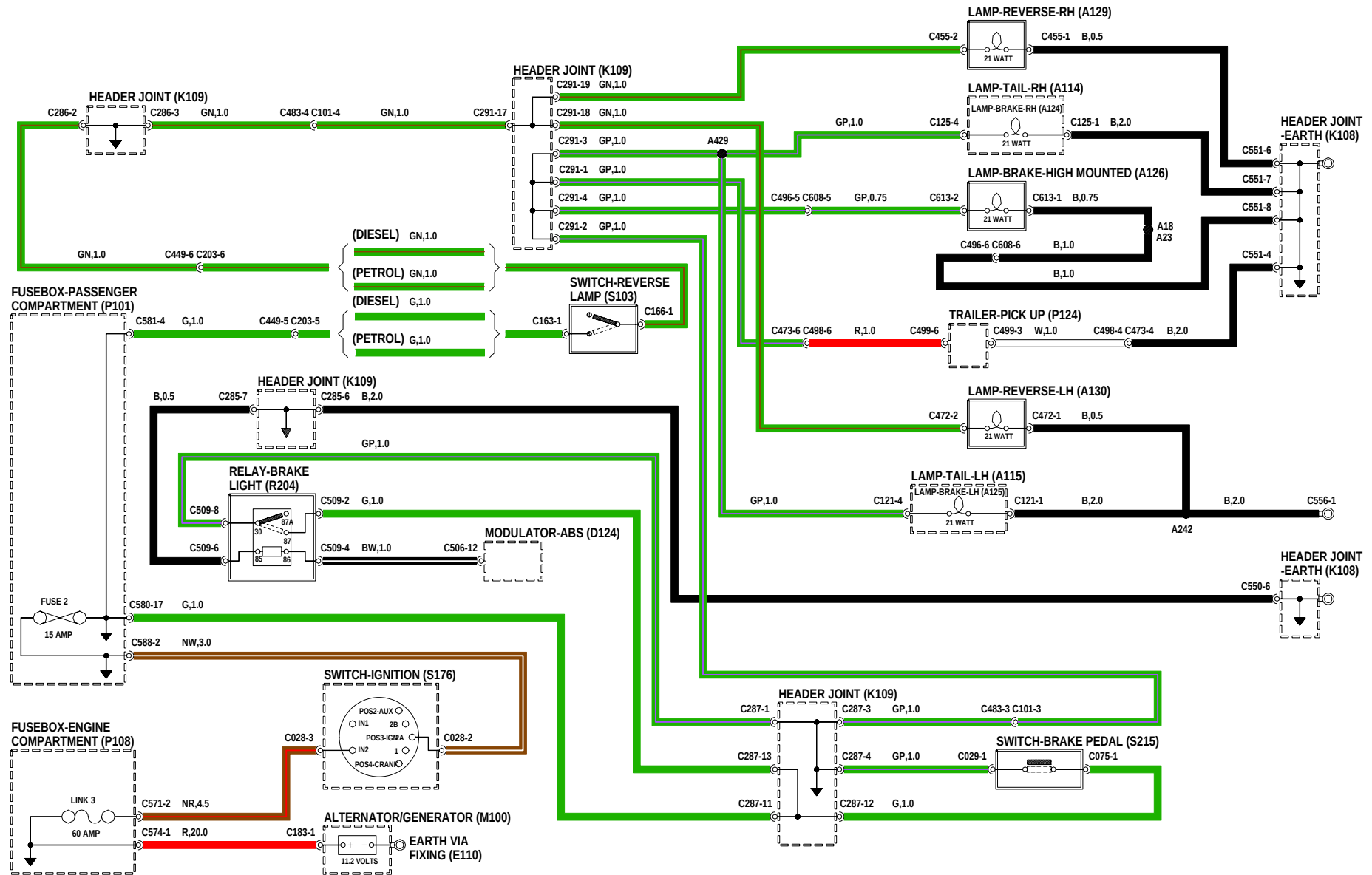
HEATED REAR WINDOW



WIPERS AND WASHERS FRONT



EXTERIOR LAMPS BRAKE AND REVERSE LAMPS

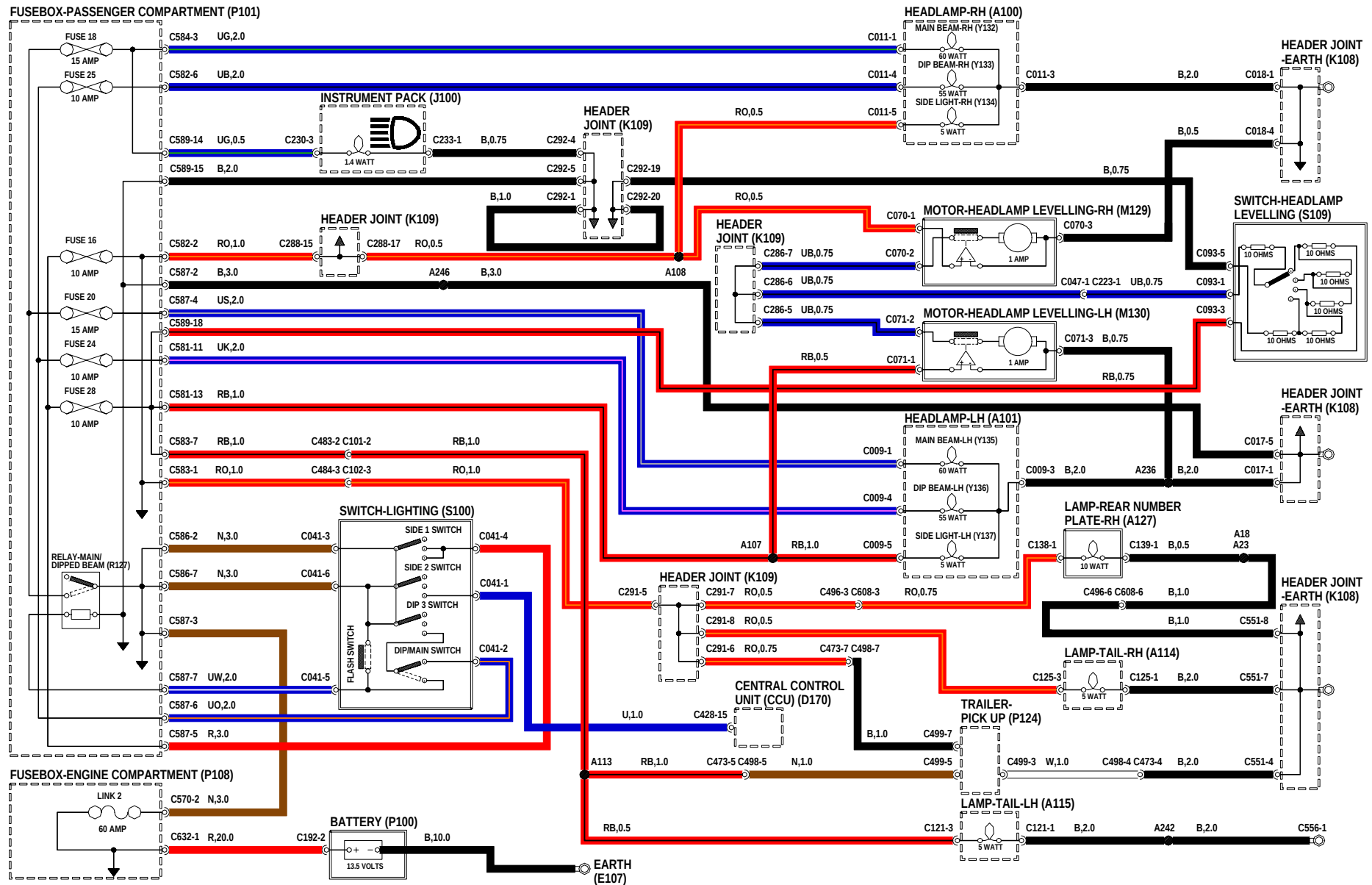


SIDE LAMPS, HEADLAMPS AND HEADLAMP LEVELLING (RHD)



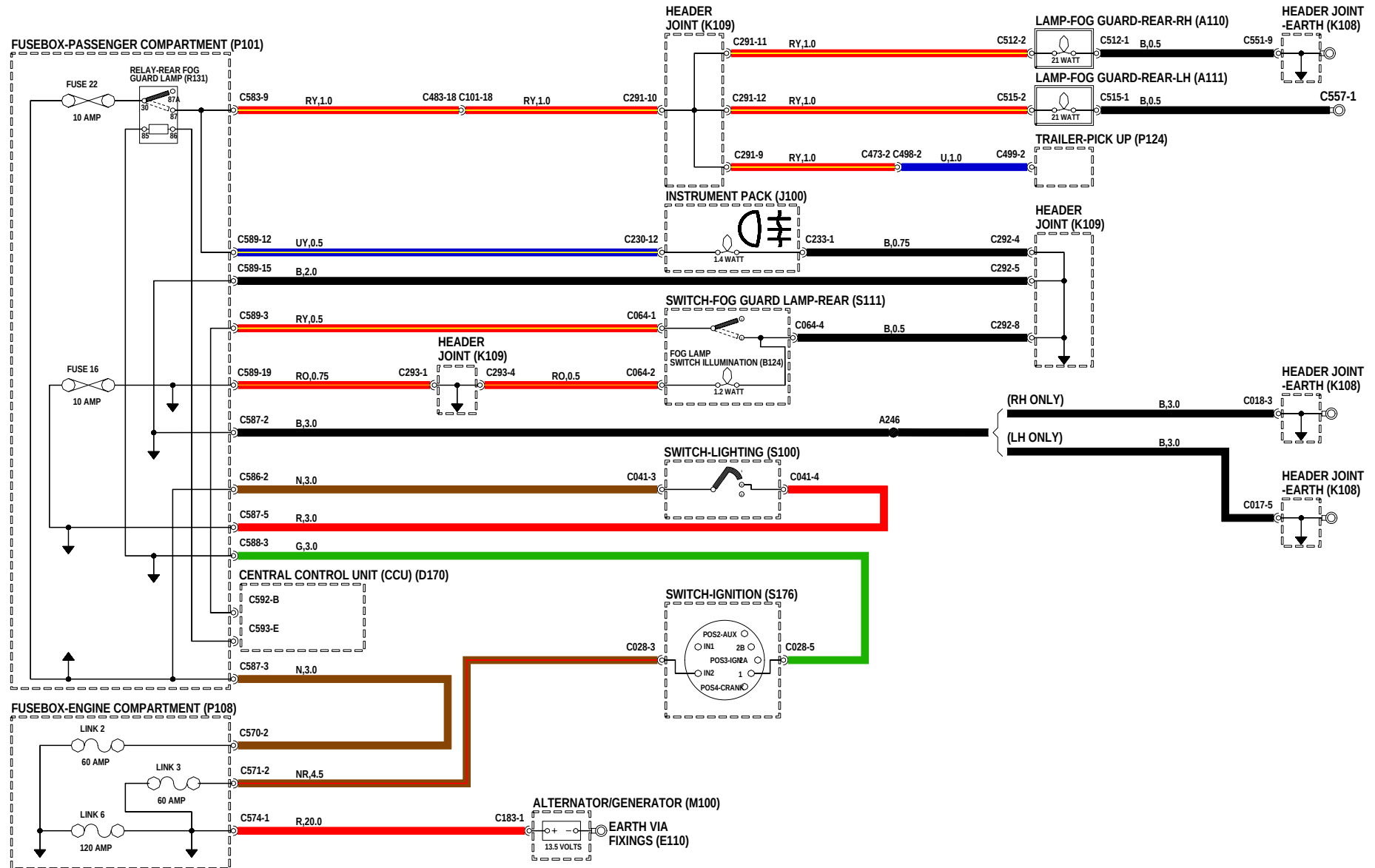
EXTERIOR LAMPS

SIDE LAMPS, HEADLAMPS AND HEADLAMP LEVELLING (LHD)

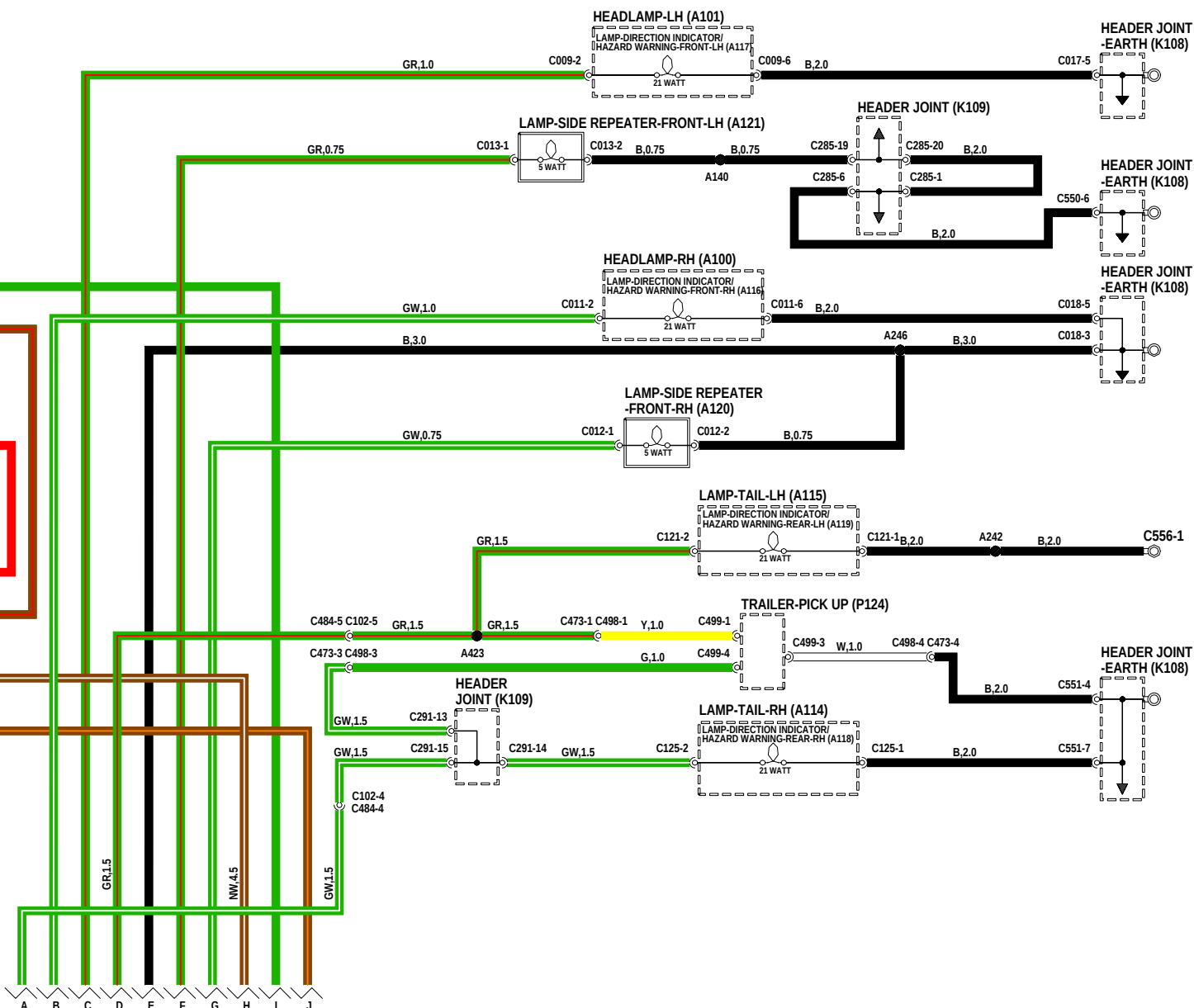


EXTERIOR LAMPS

REAR FOG GUARD LAMPS

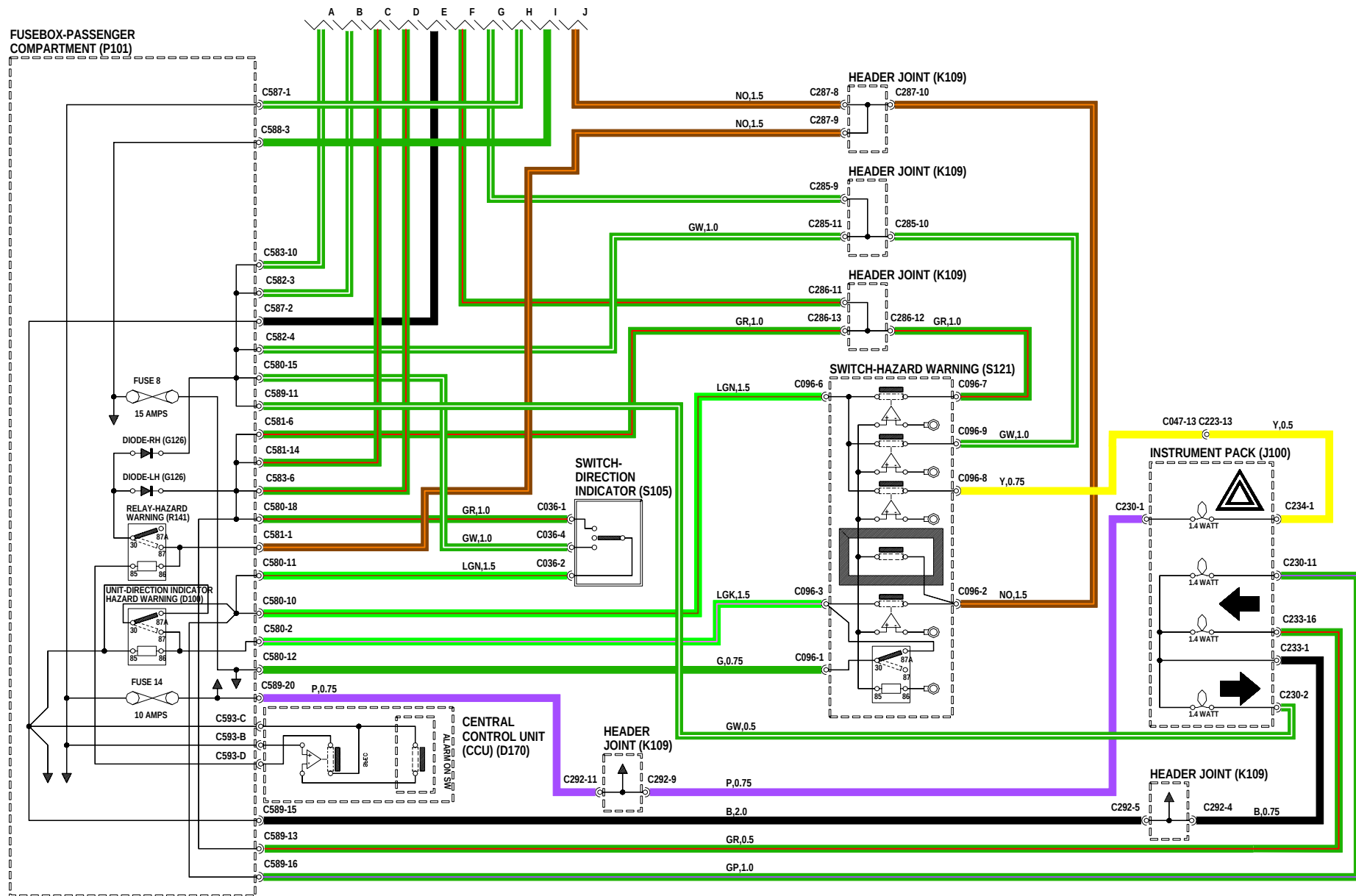


DIRECTION INDICATOR LAMPS/HAZARD WARNING (RHD)



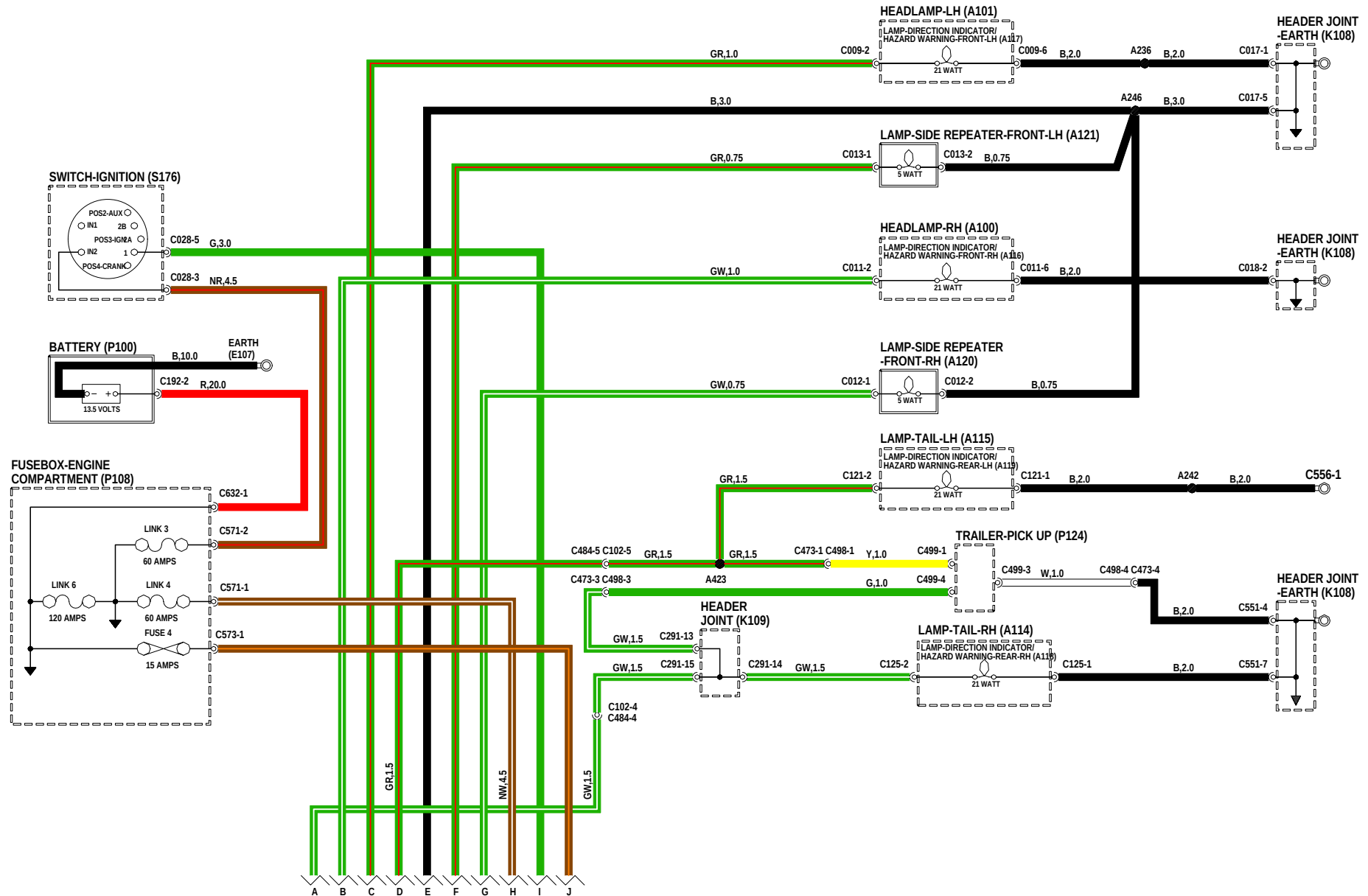
EXTERIOR LAMPS

DIRECTION INDICATOR LAMPS/HAZARD WARNING (RHD)



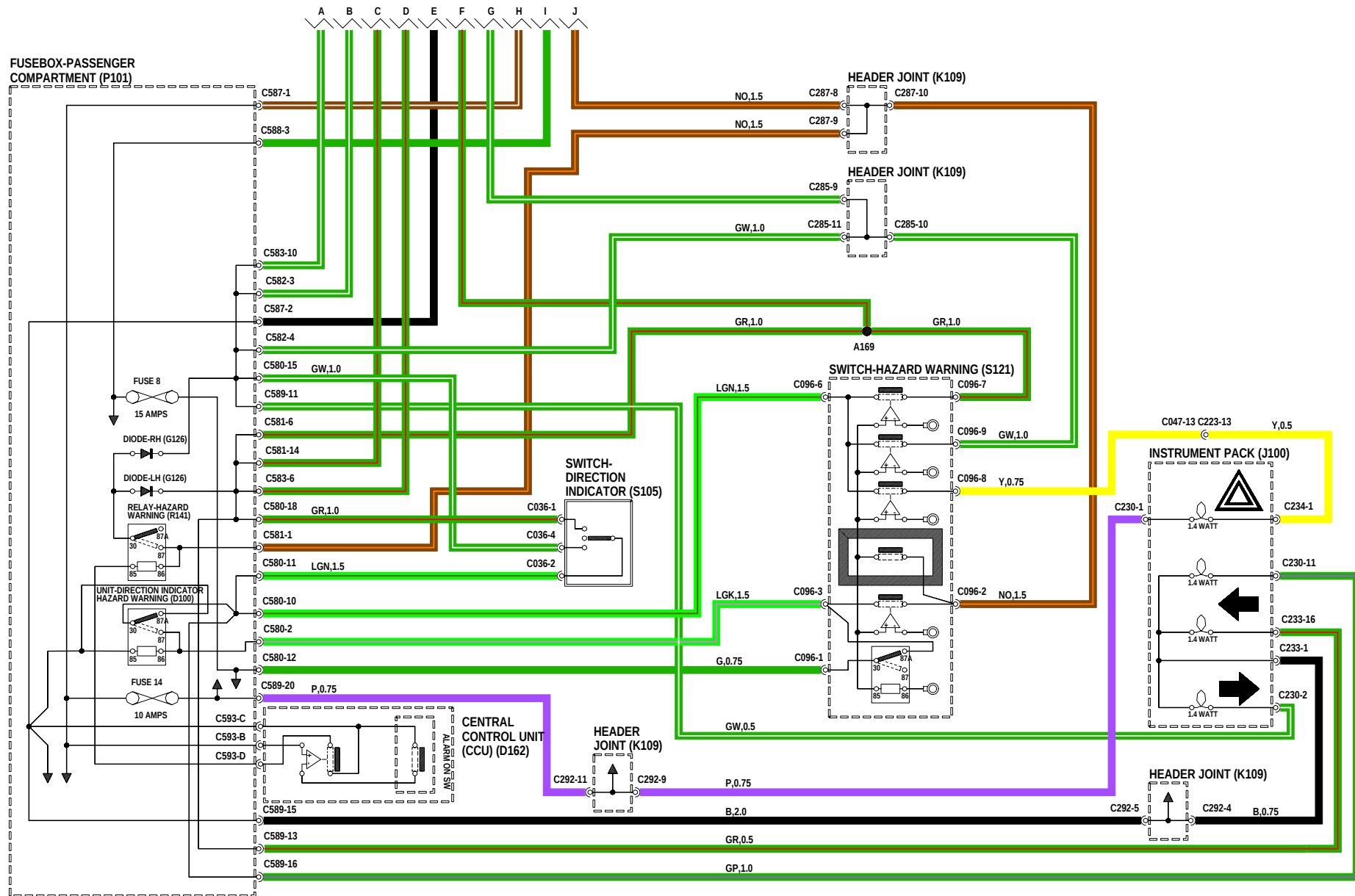
EXTERIOR LAMPS

DIRECTION INDICATOR LAMPS/HAZARD WARNING (LHD)

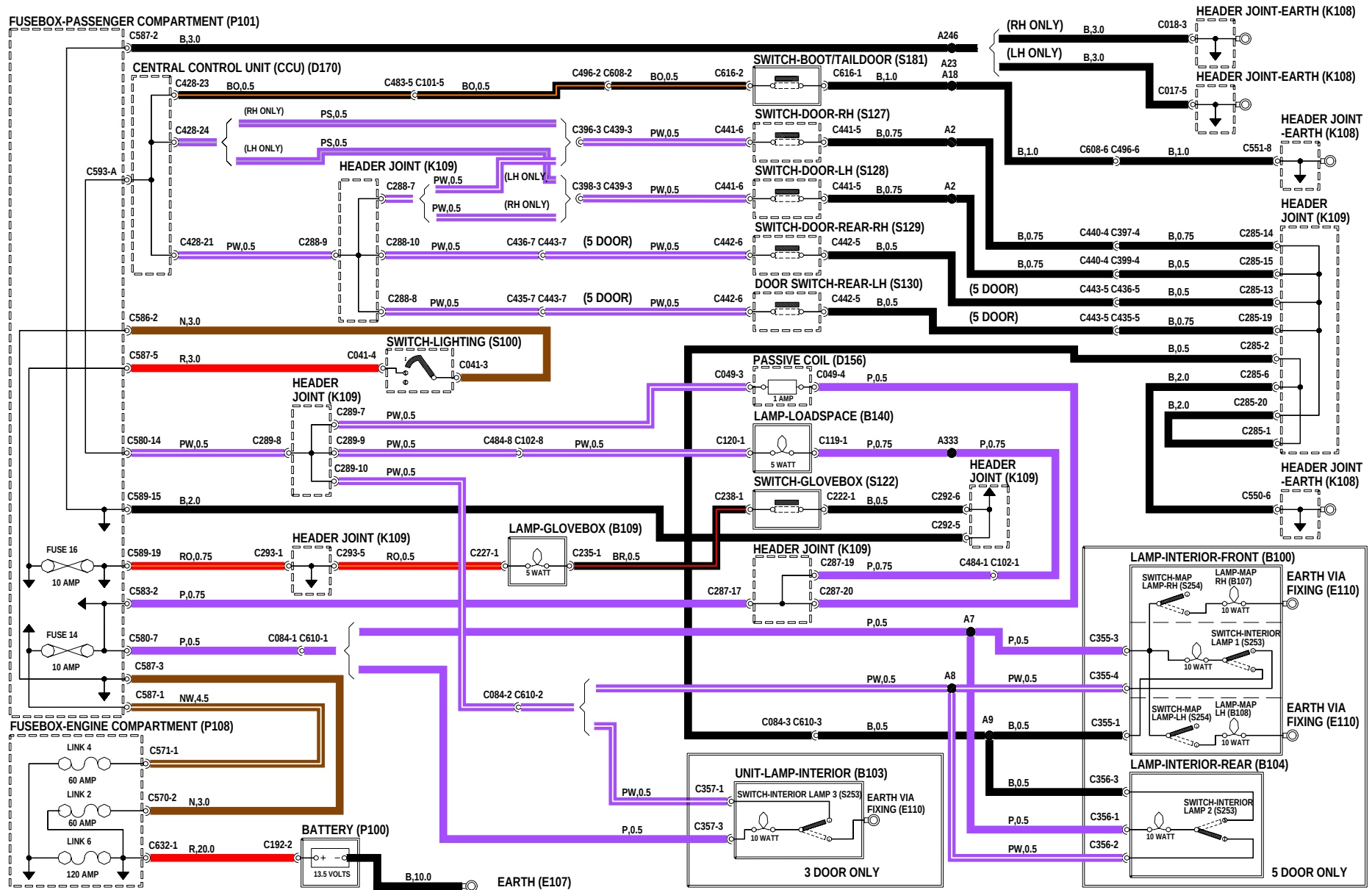


EXTERIOR LAMPS

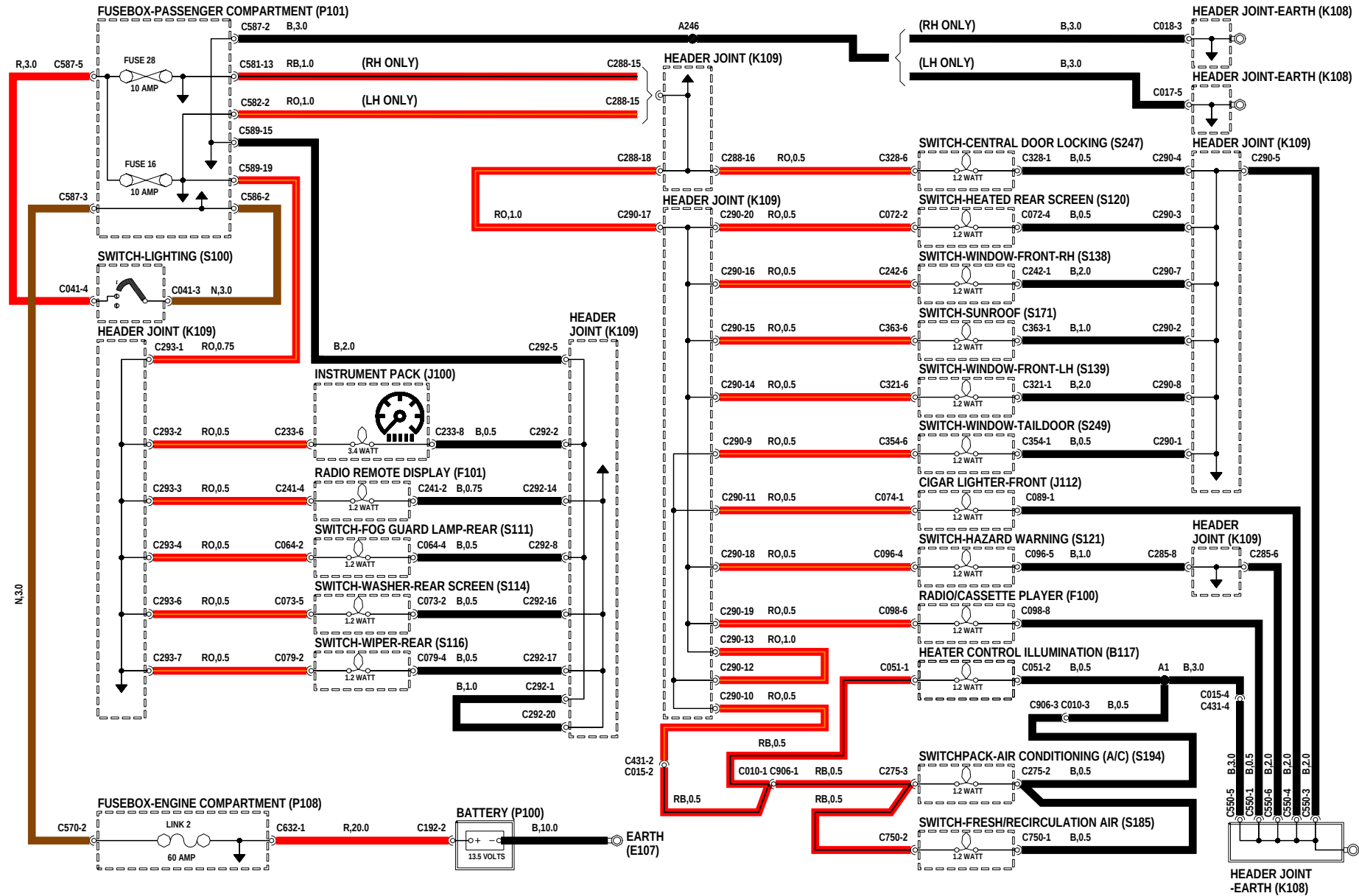
DIRECTION INDICATOR LAMPS/HAZARD WARNING (LHD)

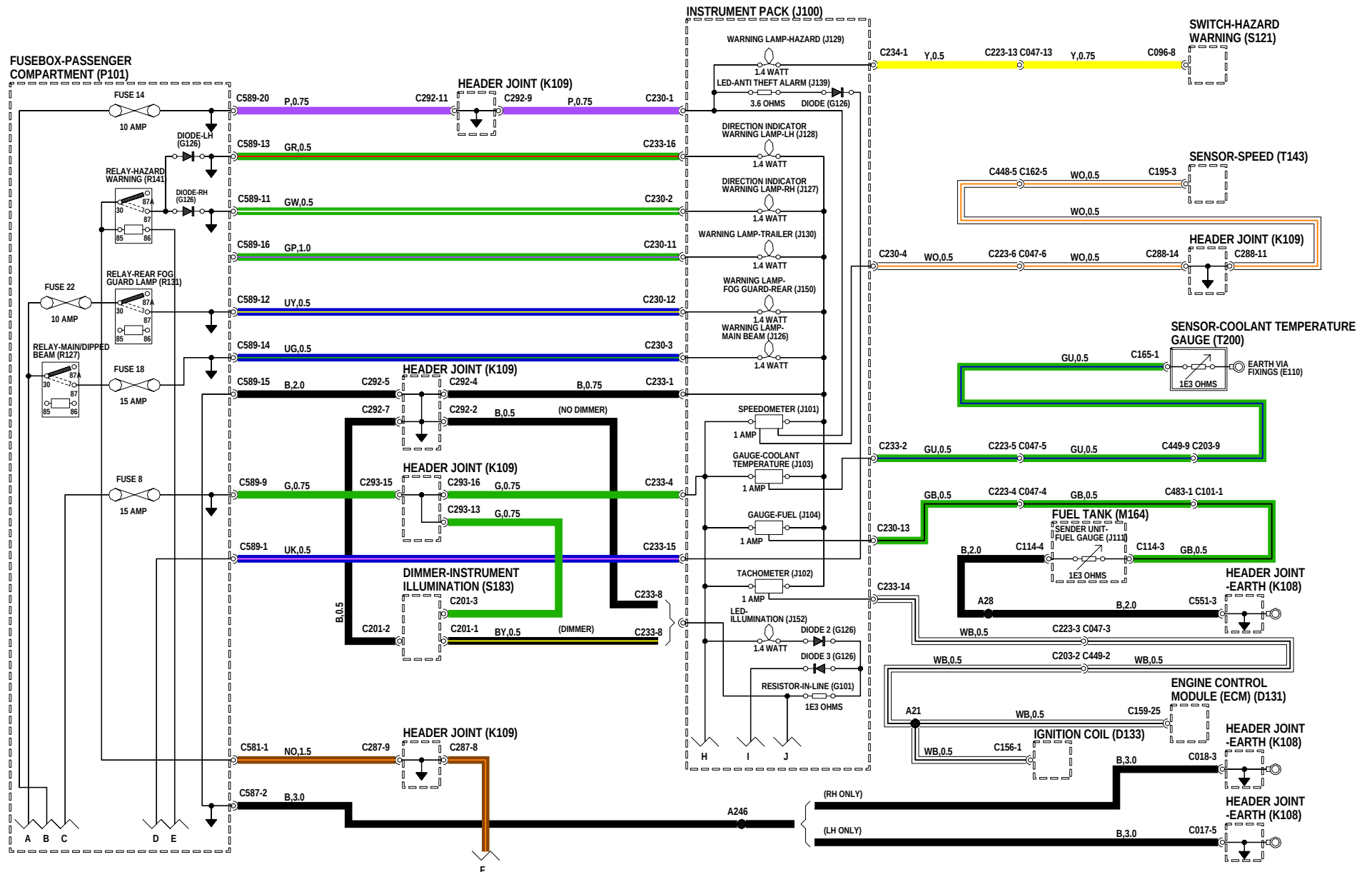


INTERIOR LAMPS

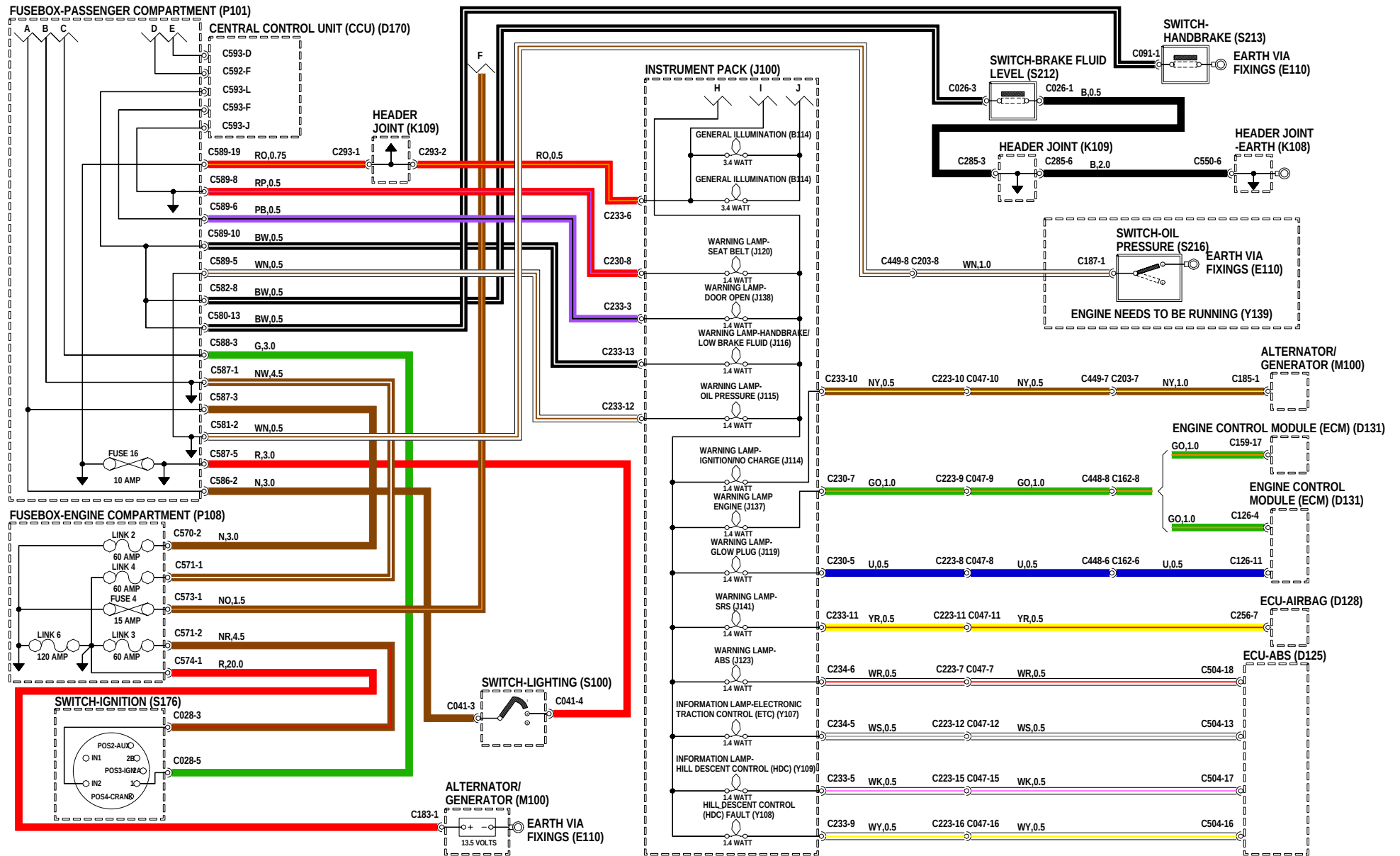


INTERIOR ILLUMINATION

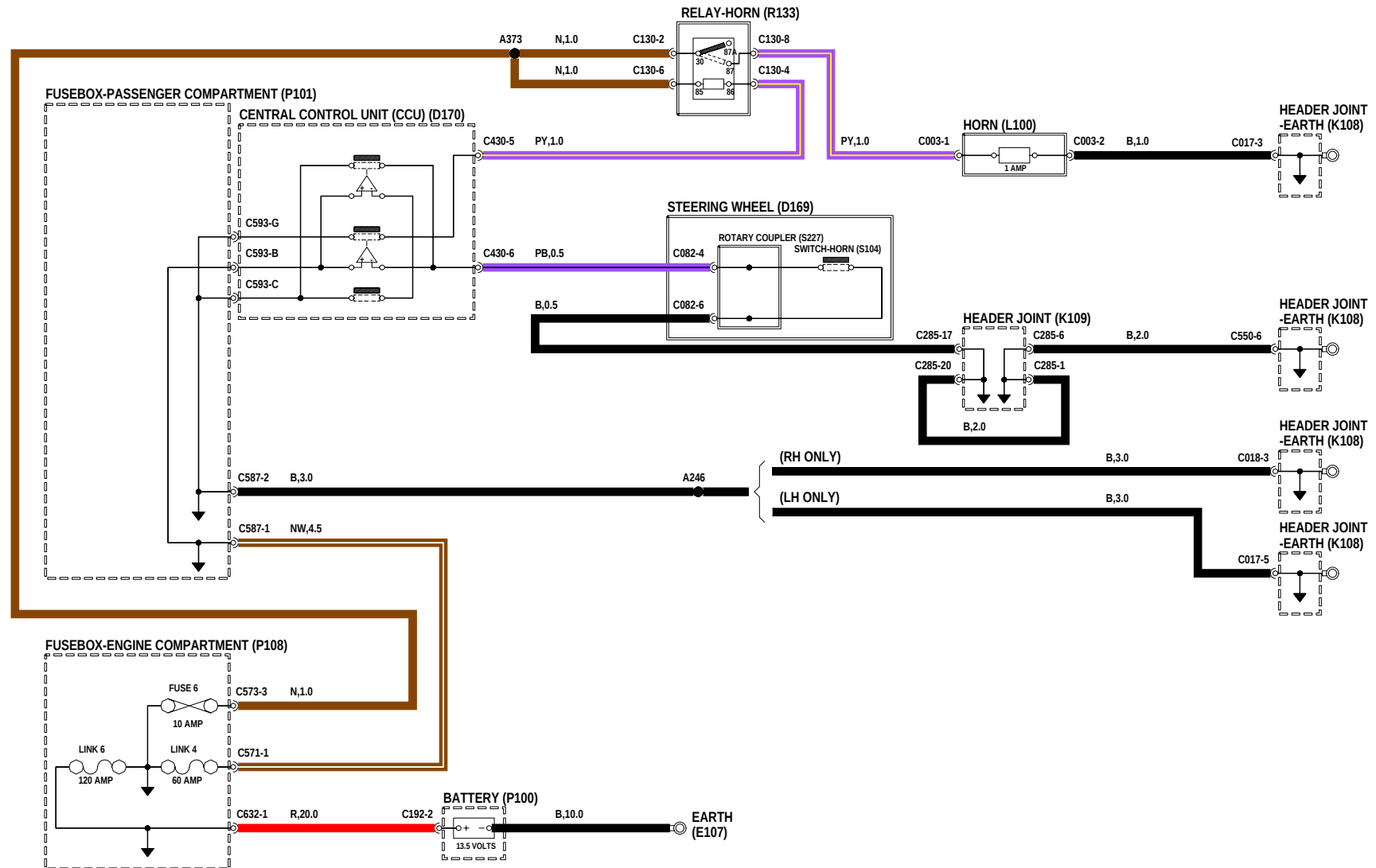




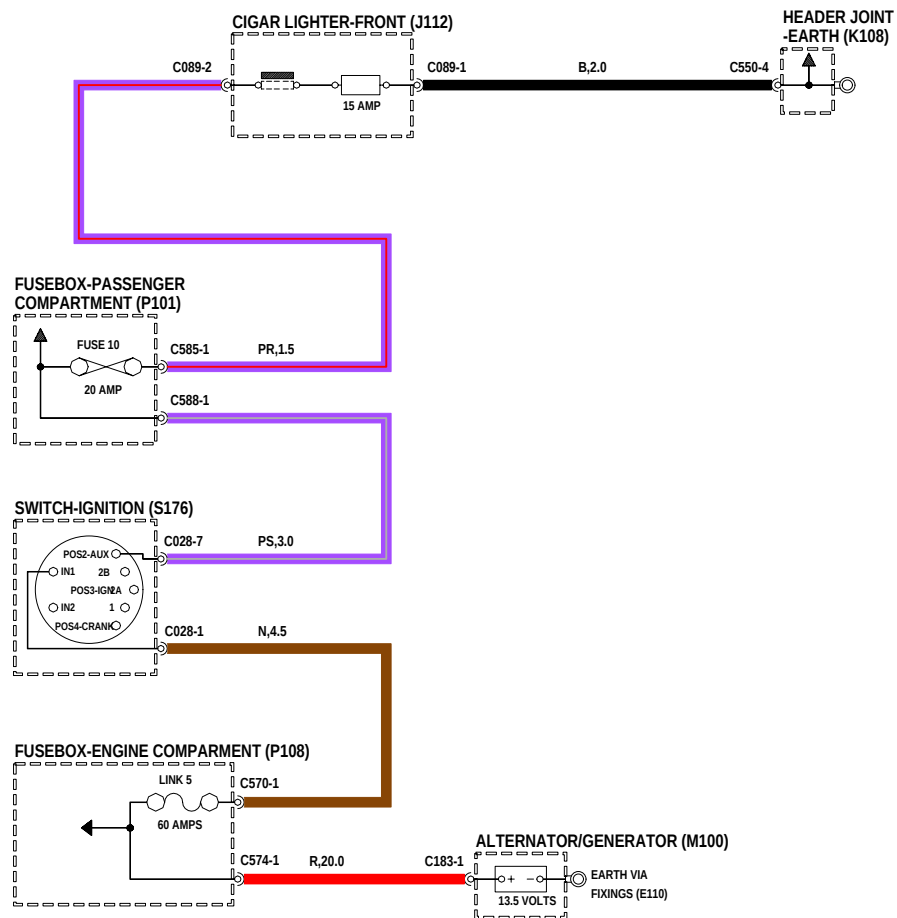
INSTRUMENTS



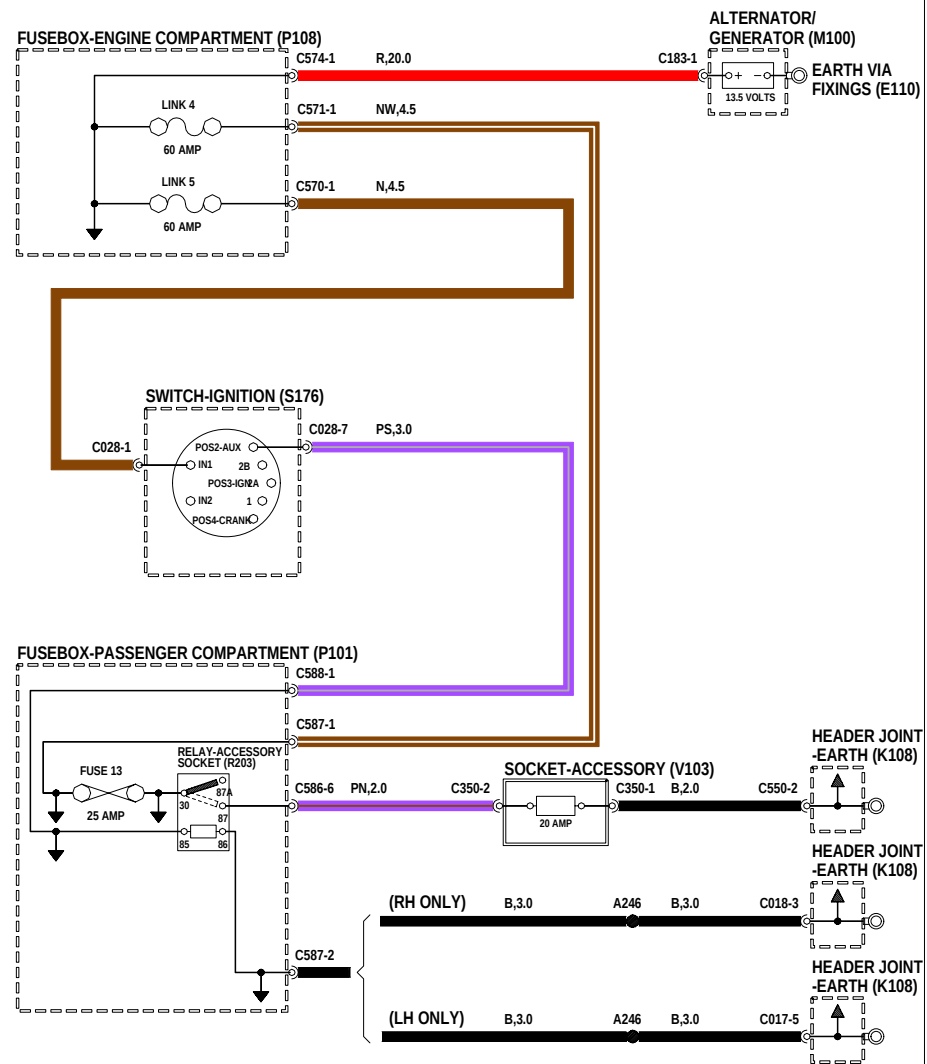
HORN



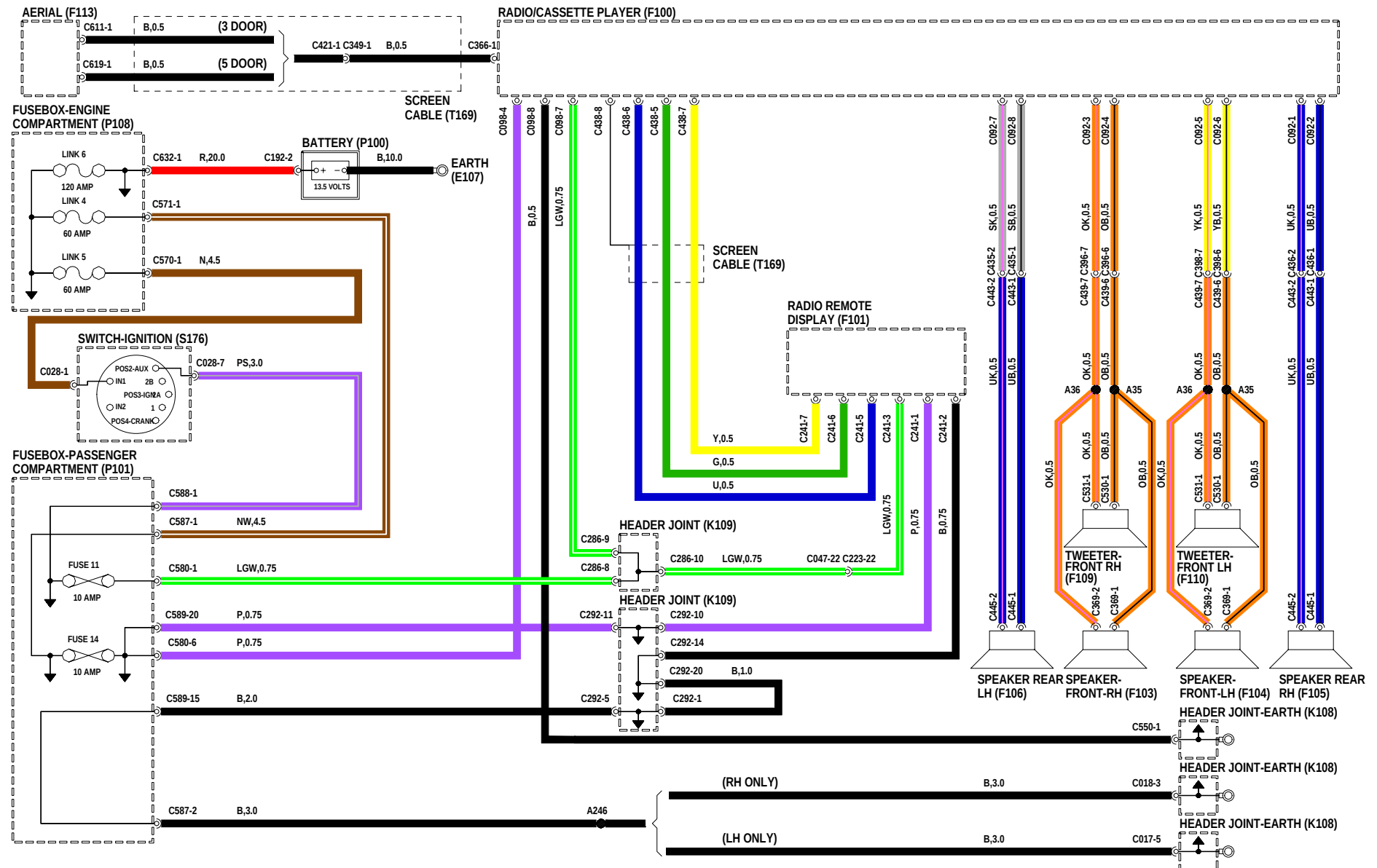
CIGAR LIGHTER



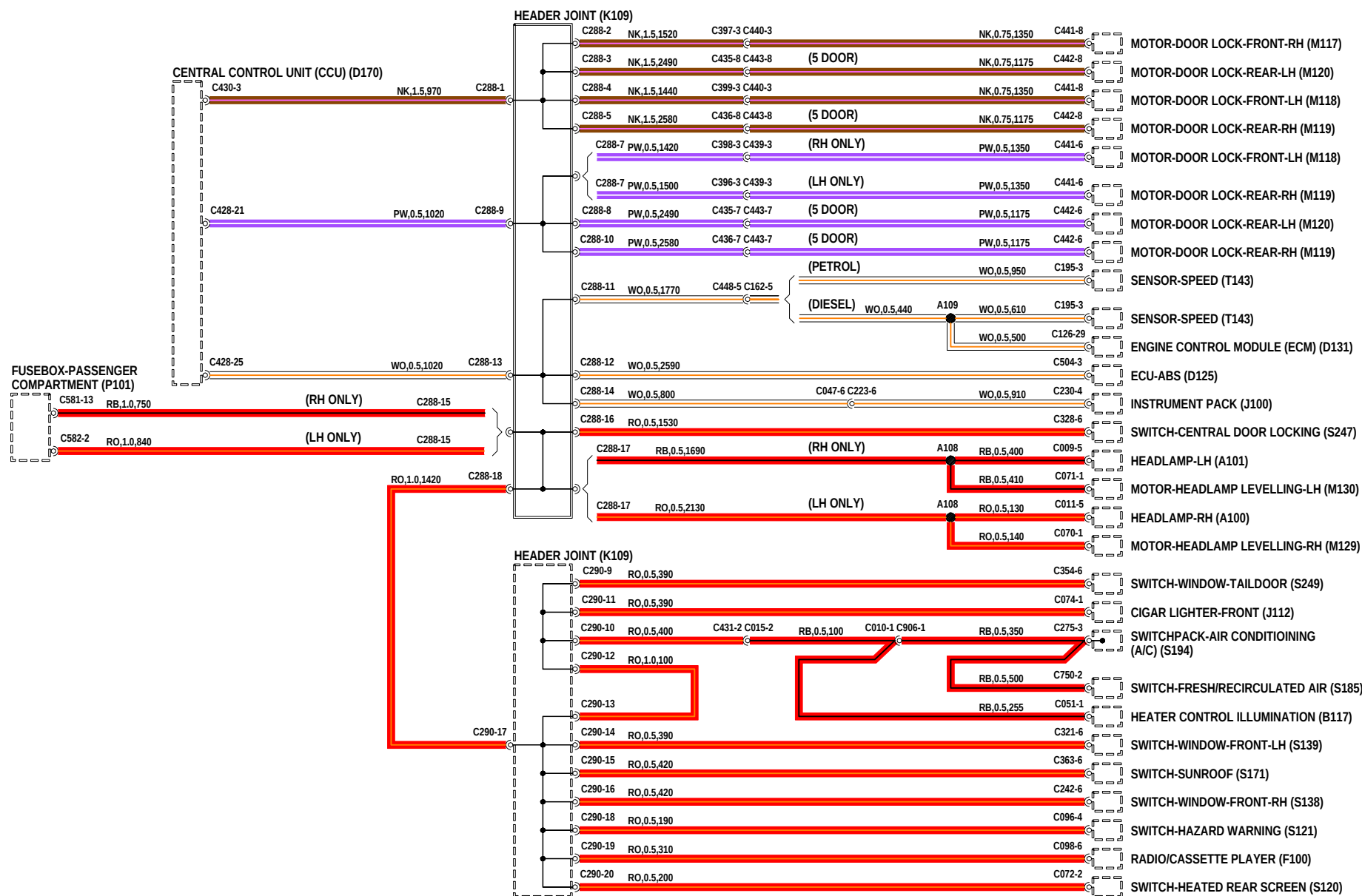
ACCESSORY SOCKET



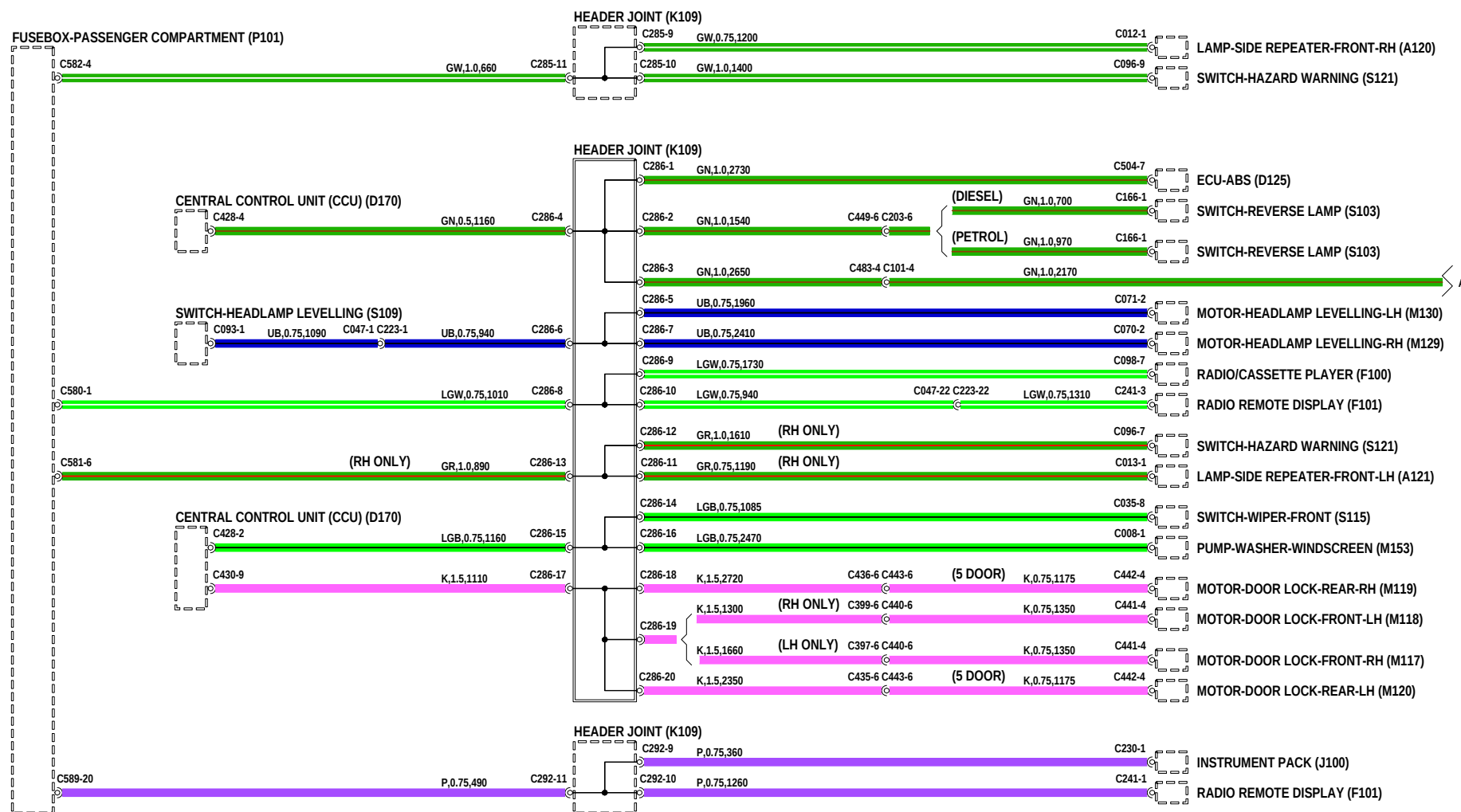
IN-CAR ENTERTAINMENT (ICE)



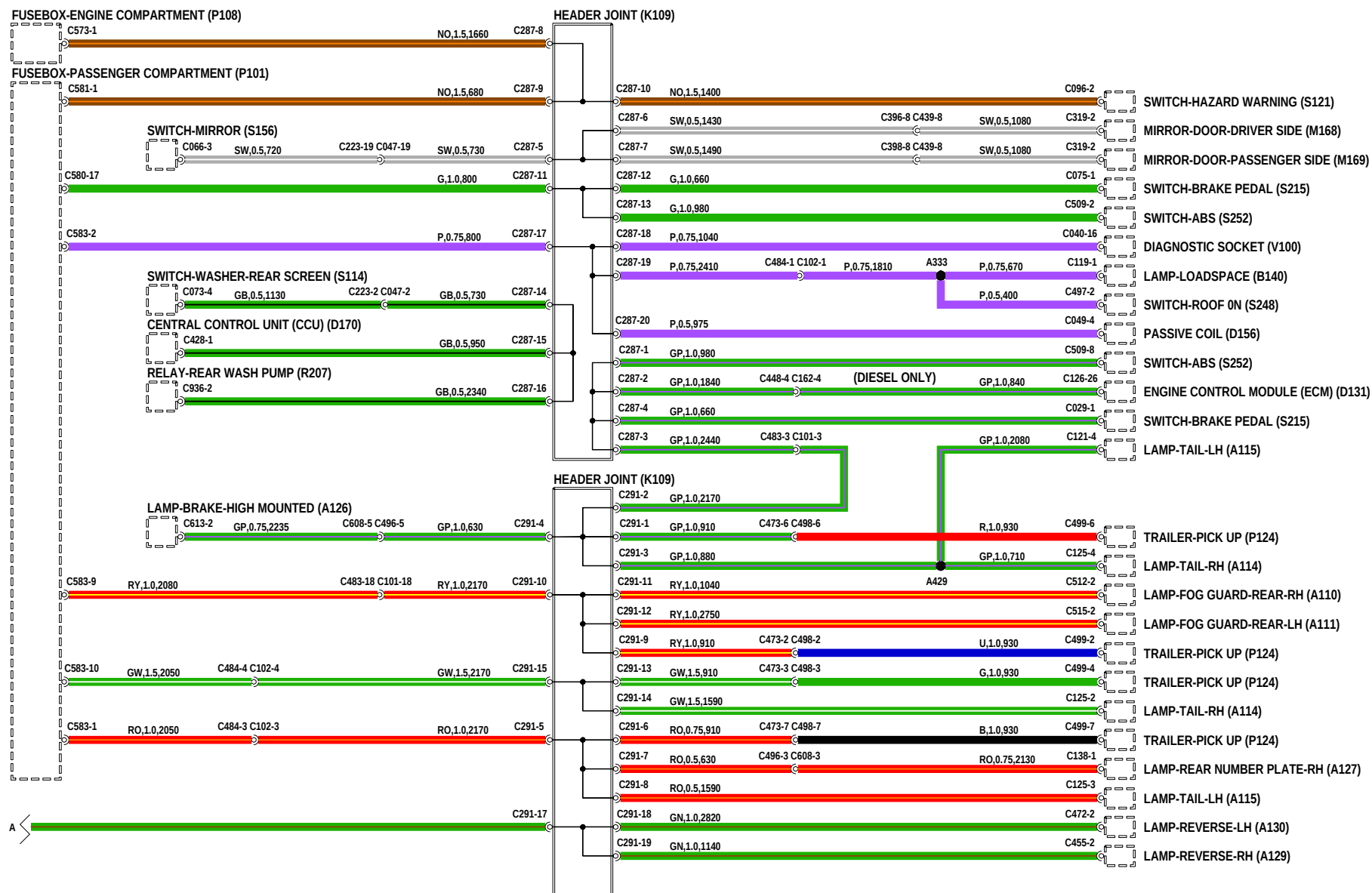
HEADER JOINTS



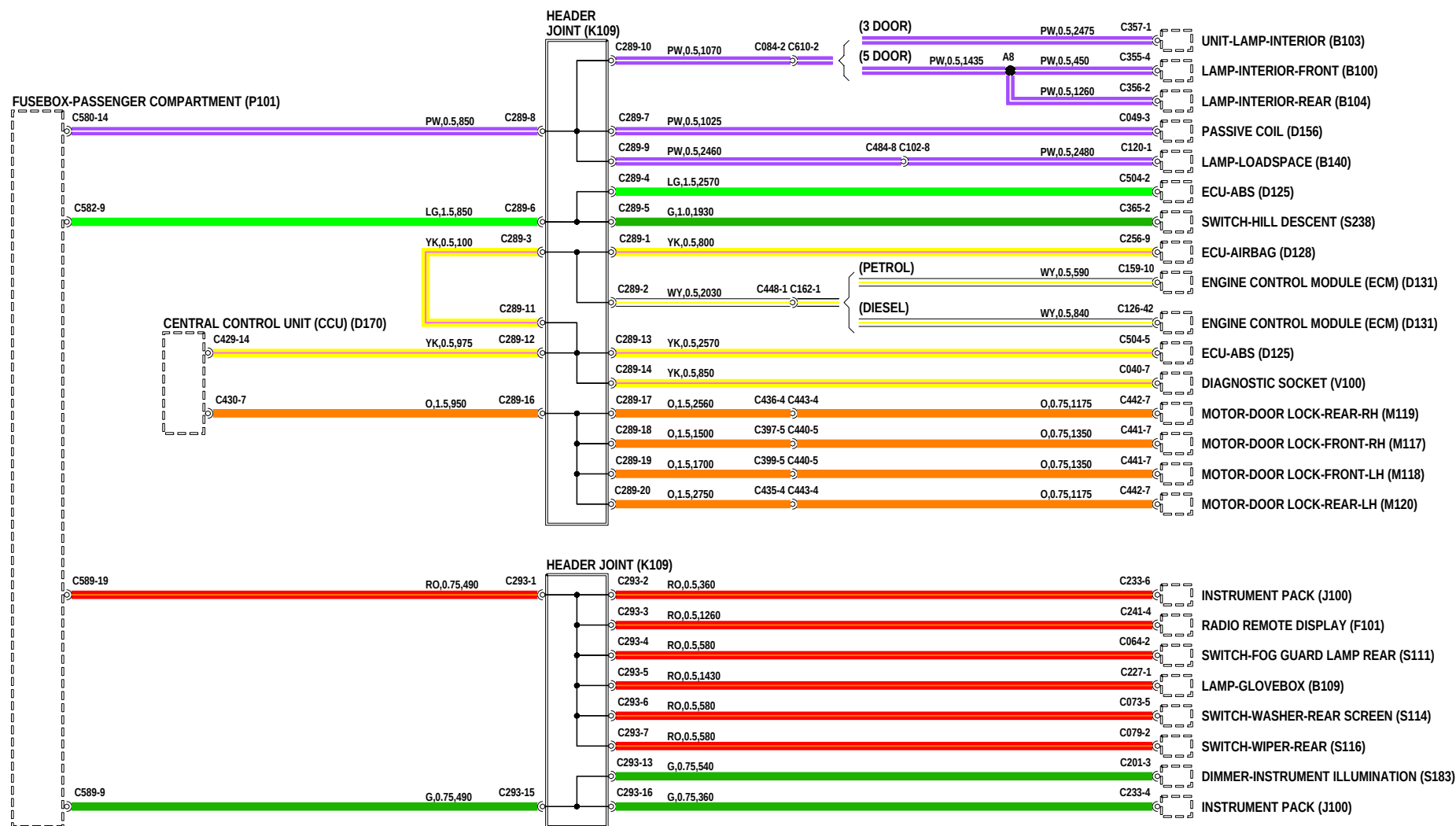
HEADER JOINTS



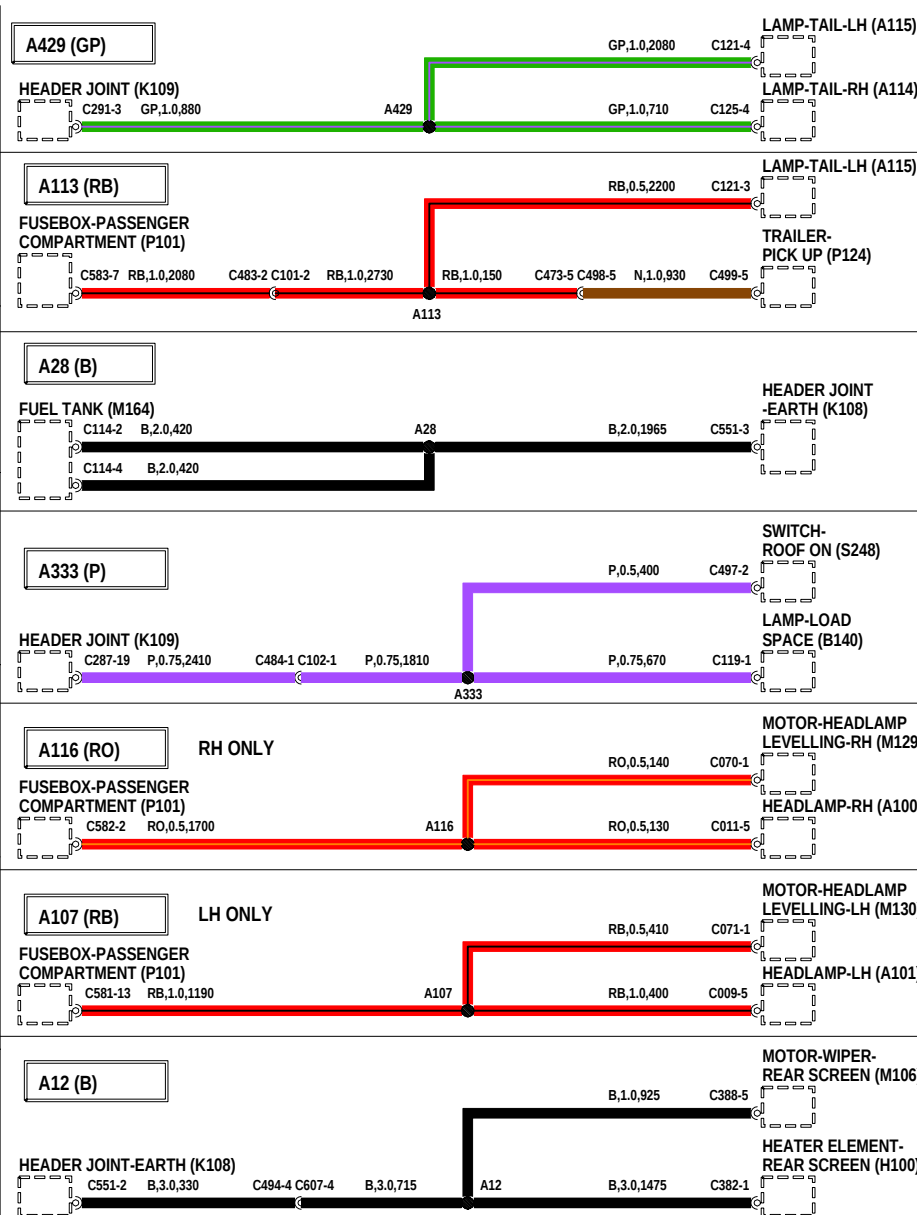
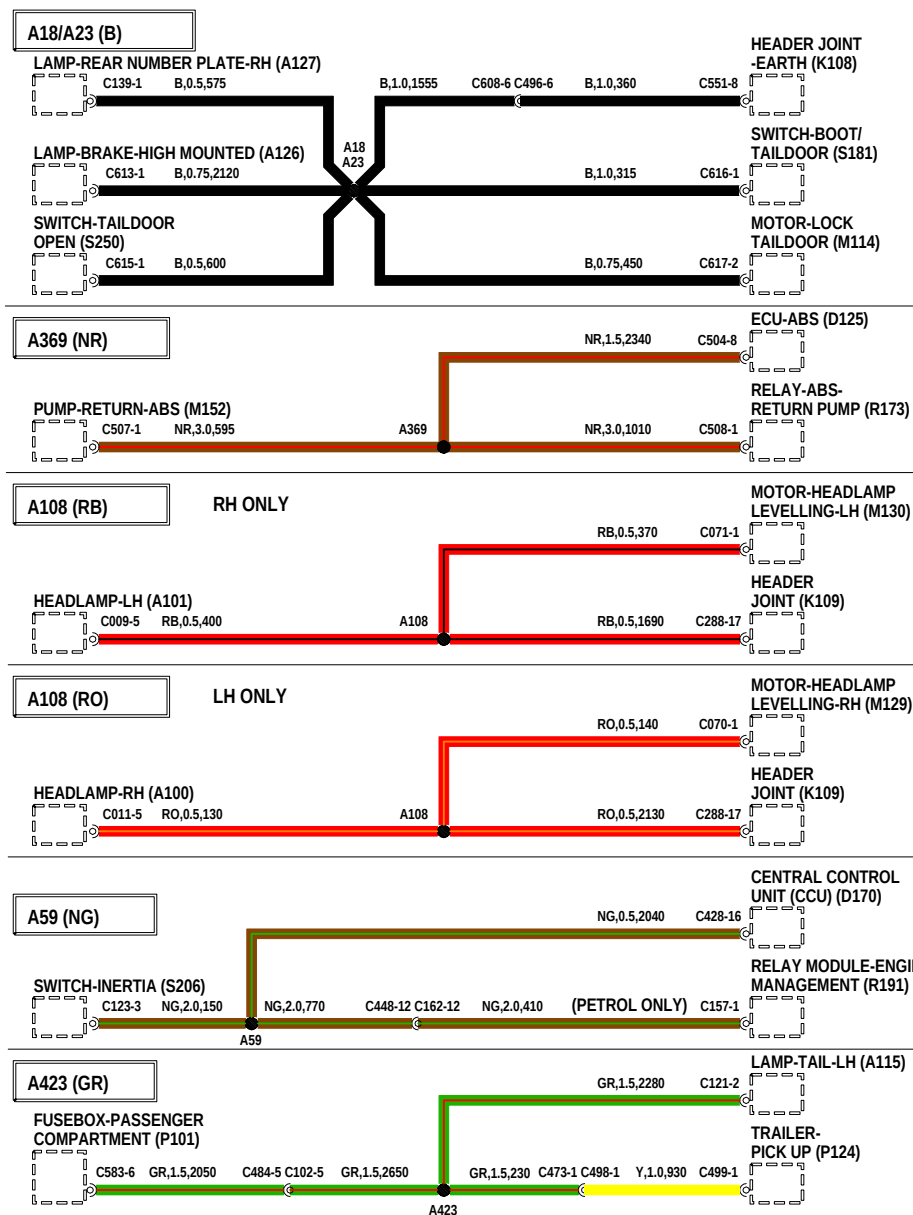
HEADER JOINTS



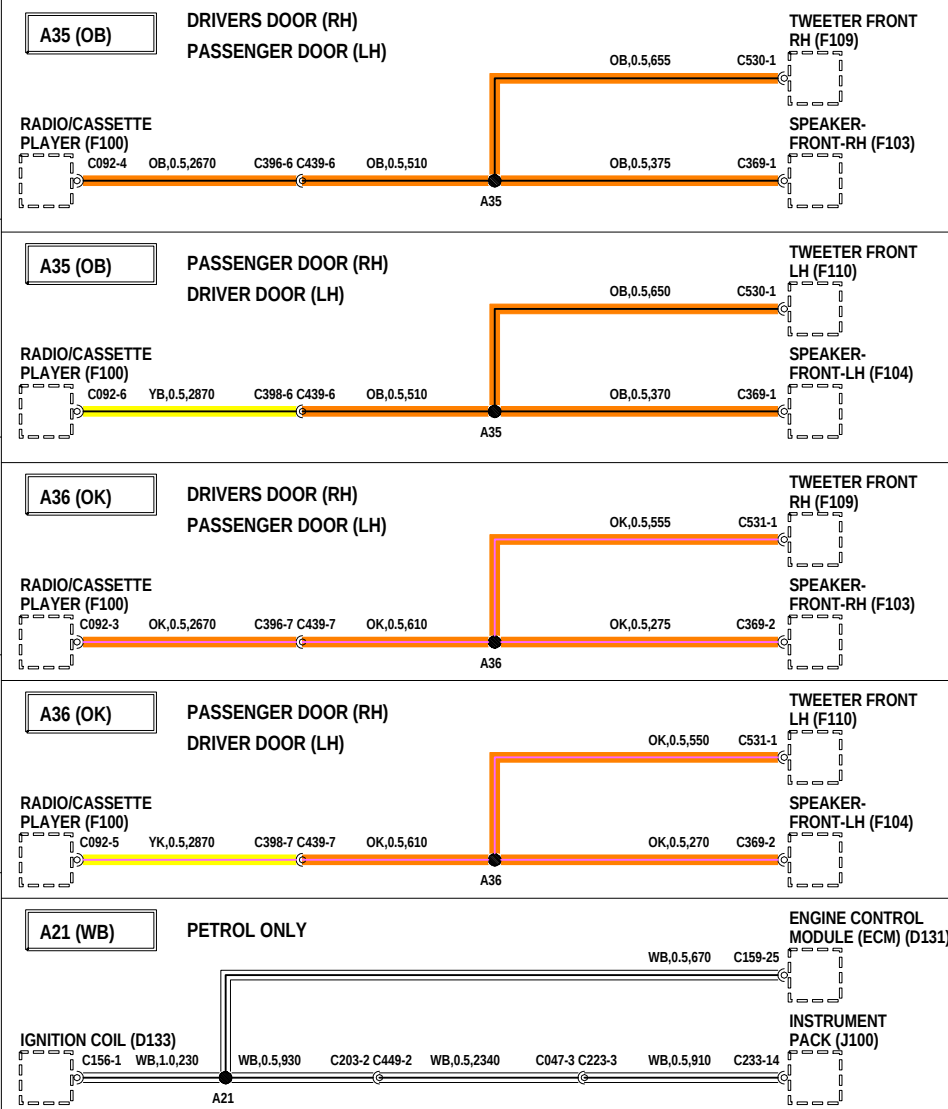
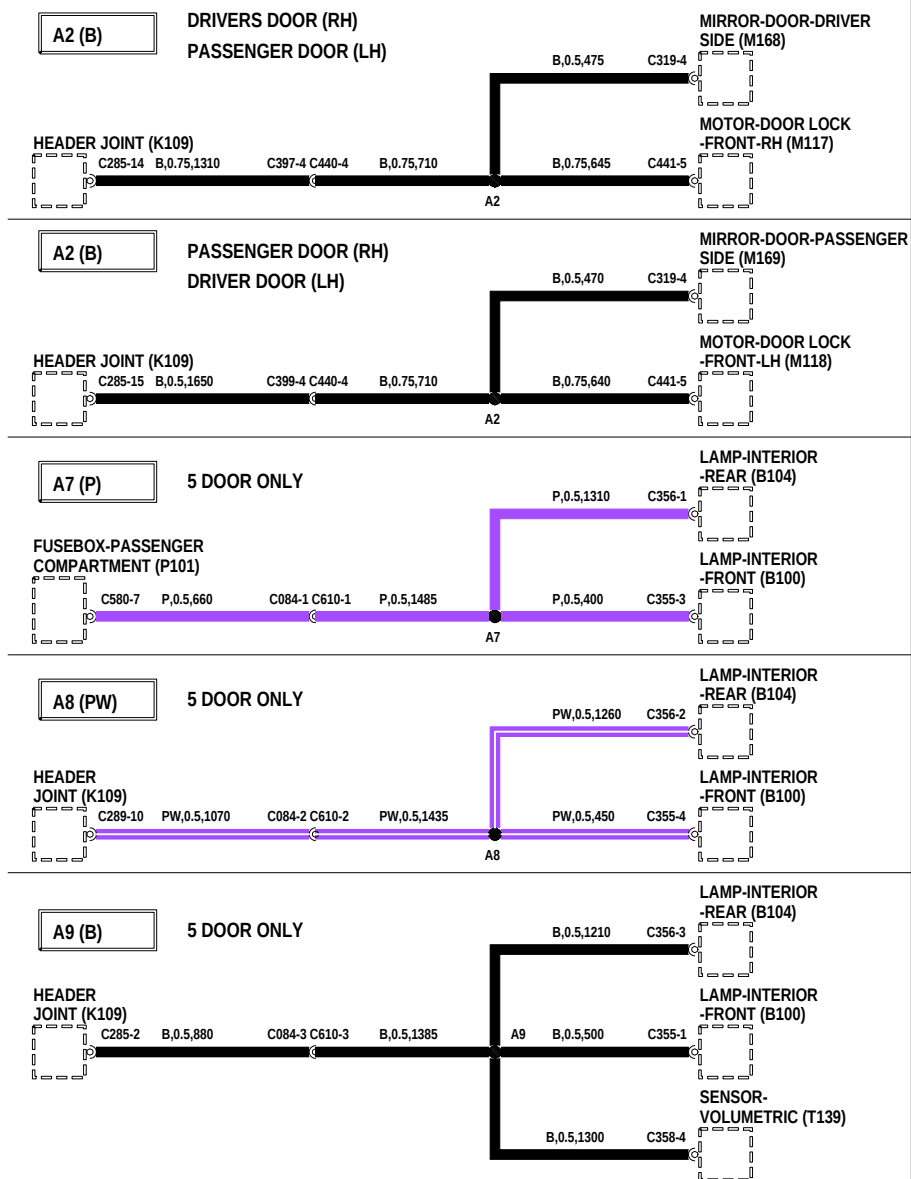
HEADER JOINTS



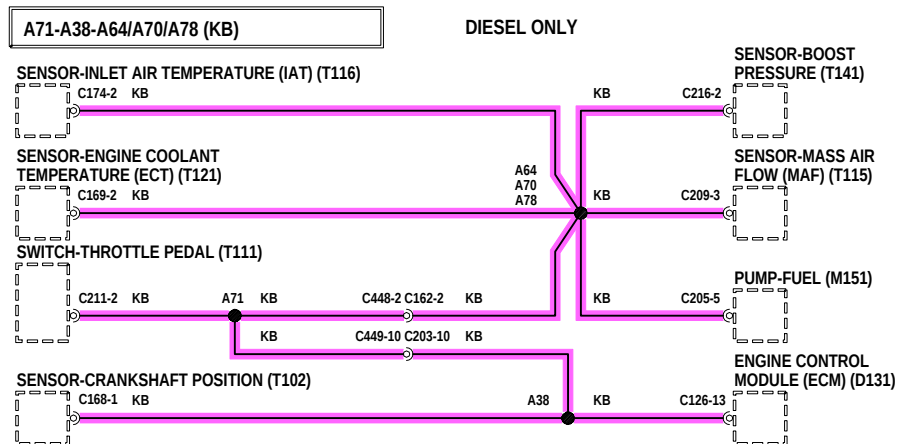
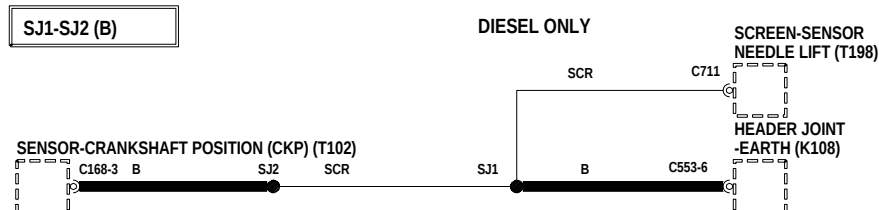
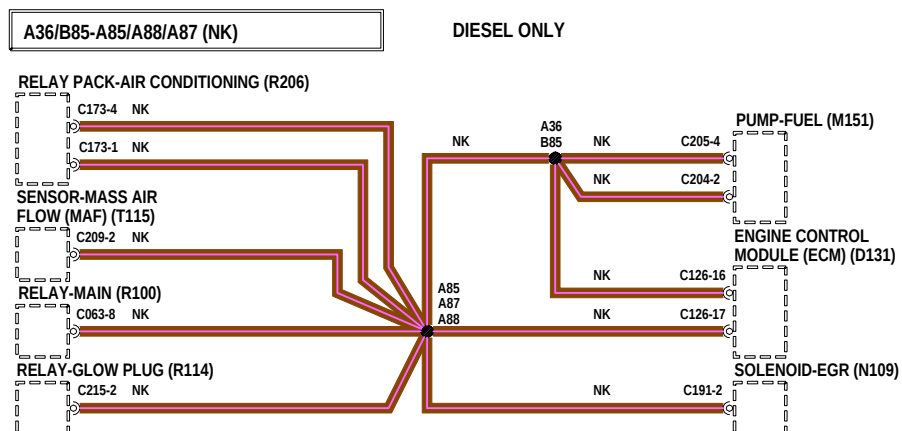
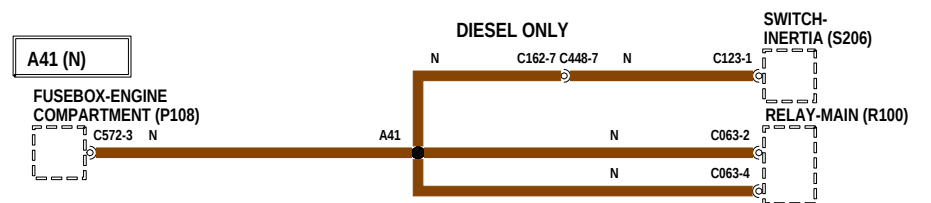
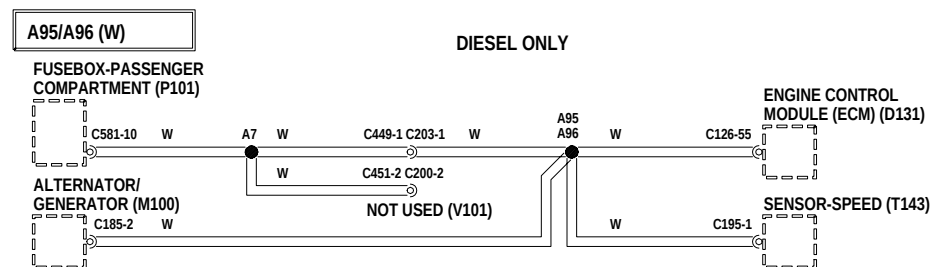
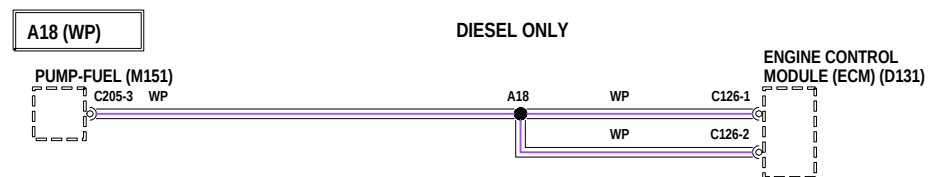
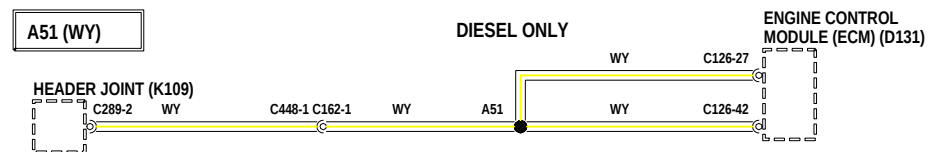
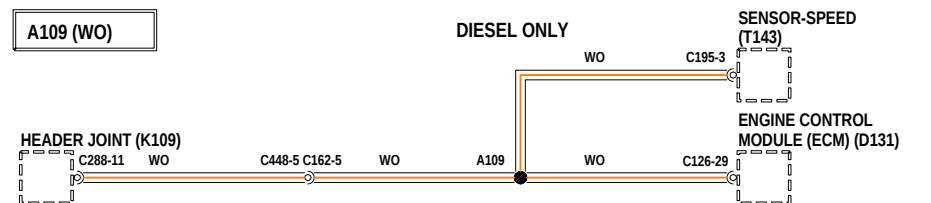
SPLICE JOINTS



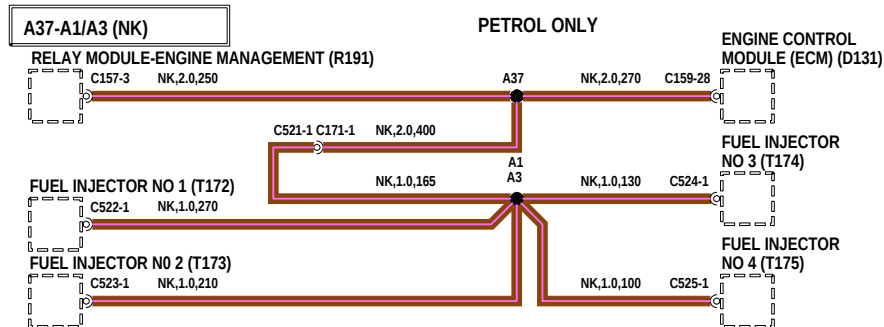
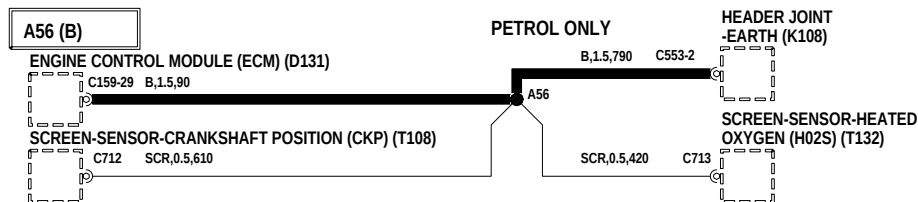
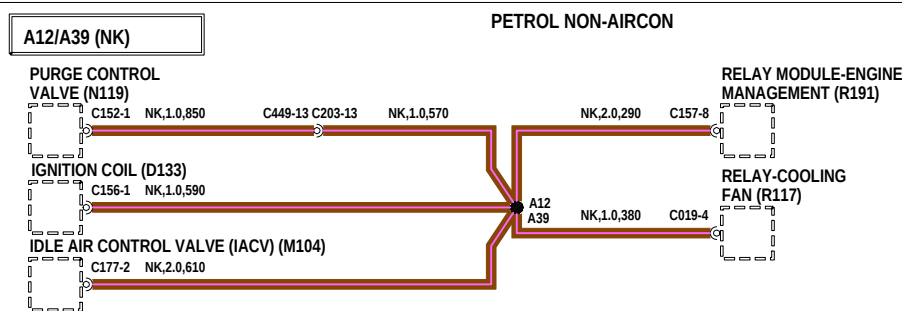
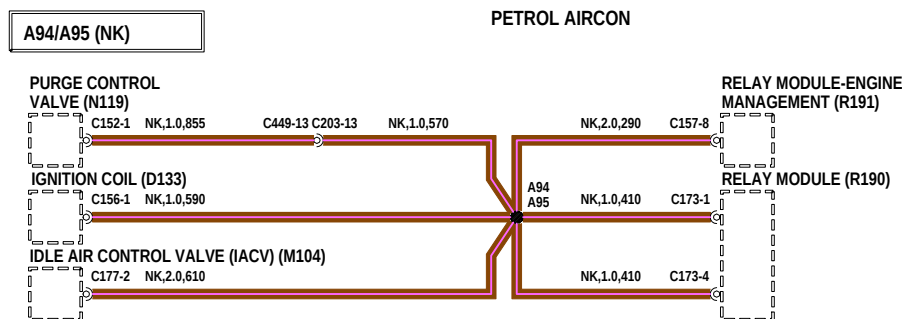
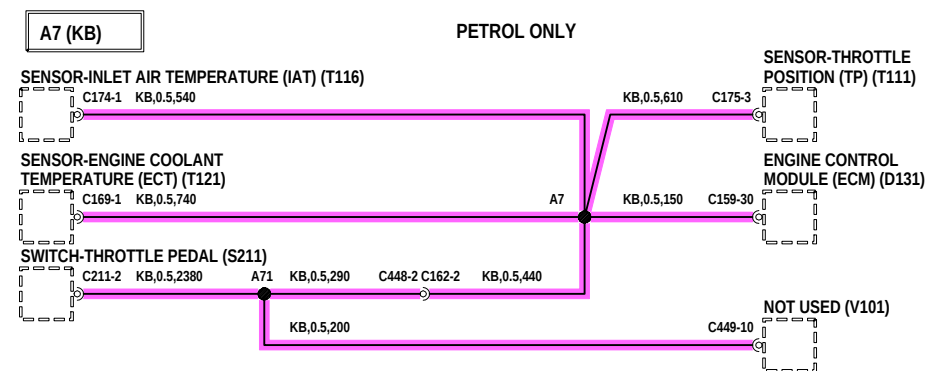
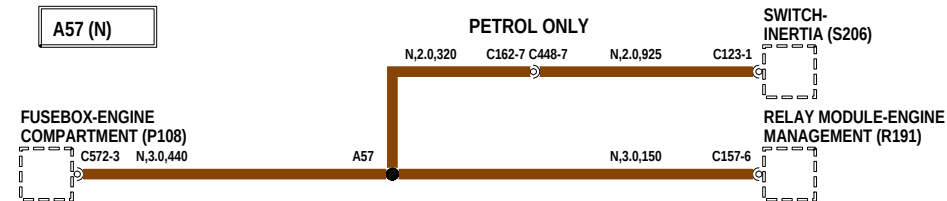
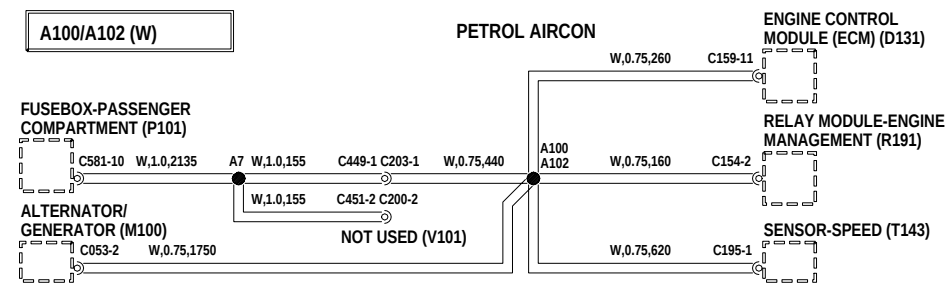
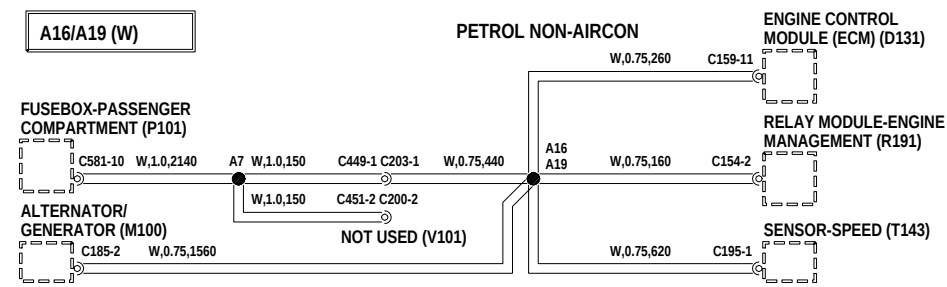
SPLICE JOINTS



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SPLICE JOINTS



SPLICE JOINTS

