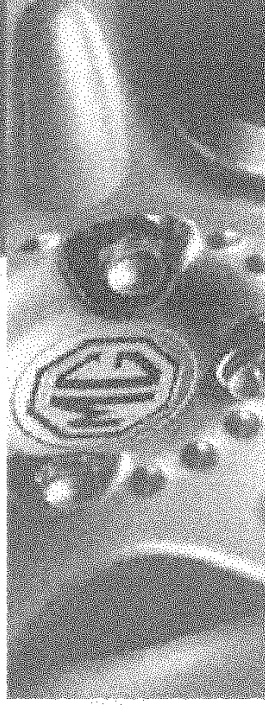


Electrical Circuit Diagrams



**Elektrische
Circuitdiagrammen**

Schémas Électriques

Elektrische Schaltpläne

Schema di Circuiti

**Esquemas de Circuitos
Eléctricos**

**Diagramas dos Circuitos
Eléctricos**



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ELECTRICAL CIRCUIT DIAGRAMS

RCL 0407ENG

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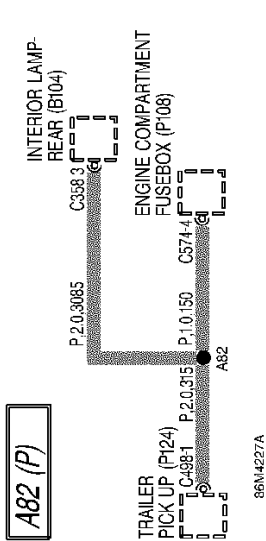
HOW TO USE THE CIRCUIT DIAGRAMS

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.



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. Splices shown on a individual circuit diagram are not always shown in their entirety. For the complete information on a particular splice, refer to the splice section.

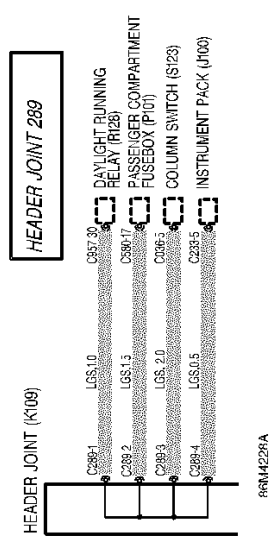
Wire attributes

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



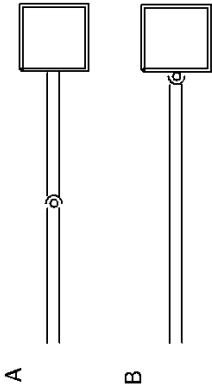
Header joints are identified by their corresponding connector number with a numbered suffix to indicate the pin-out detail of the wire, i.e. C289-1 identifies connector 289, pin number 1. Wire insulation colour is identified in the normal way. Where wires have a predominant colour with a secondary colour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

Line Types



88M4228A

This means the wire connects to another circuit.

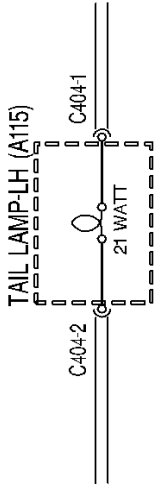


88M4230A

The cup and ball symbol indicates the male and female halves of connector. A. Plug on lead (Fylead) wired directly to the component. B. Connector plugs directly into component.

HOW TO USE THE CIRCUIT DIAGRAMS

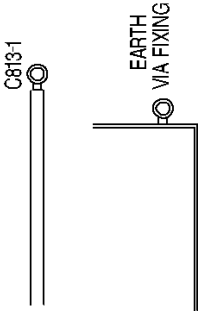
Components



86N4231/A

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

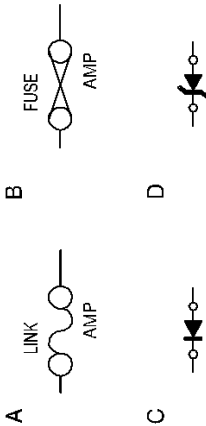
Earth points



86N4232/A

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.

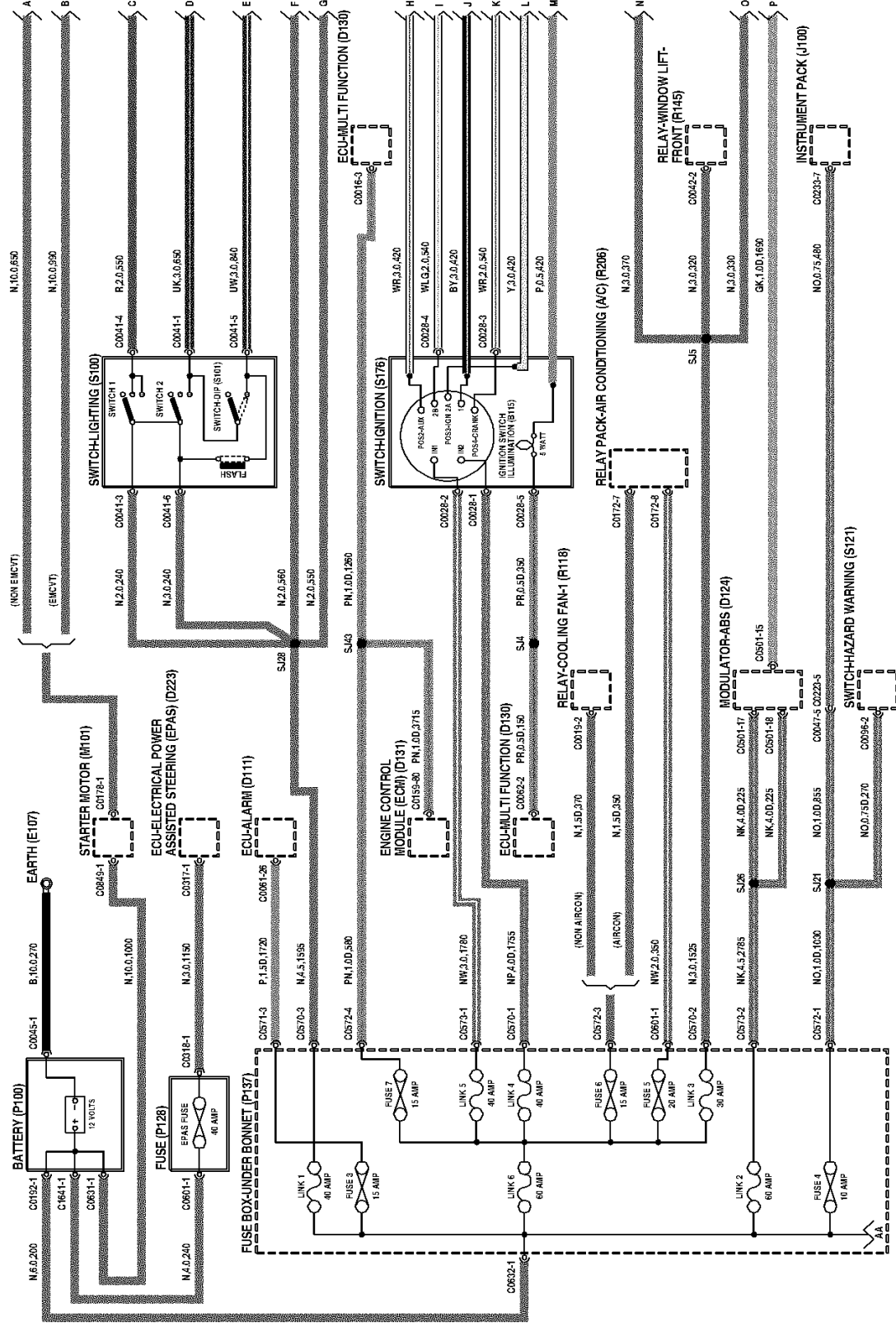
Fuses and Diodes



86N4234/A

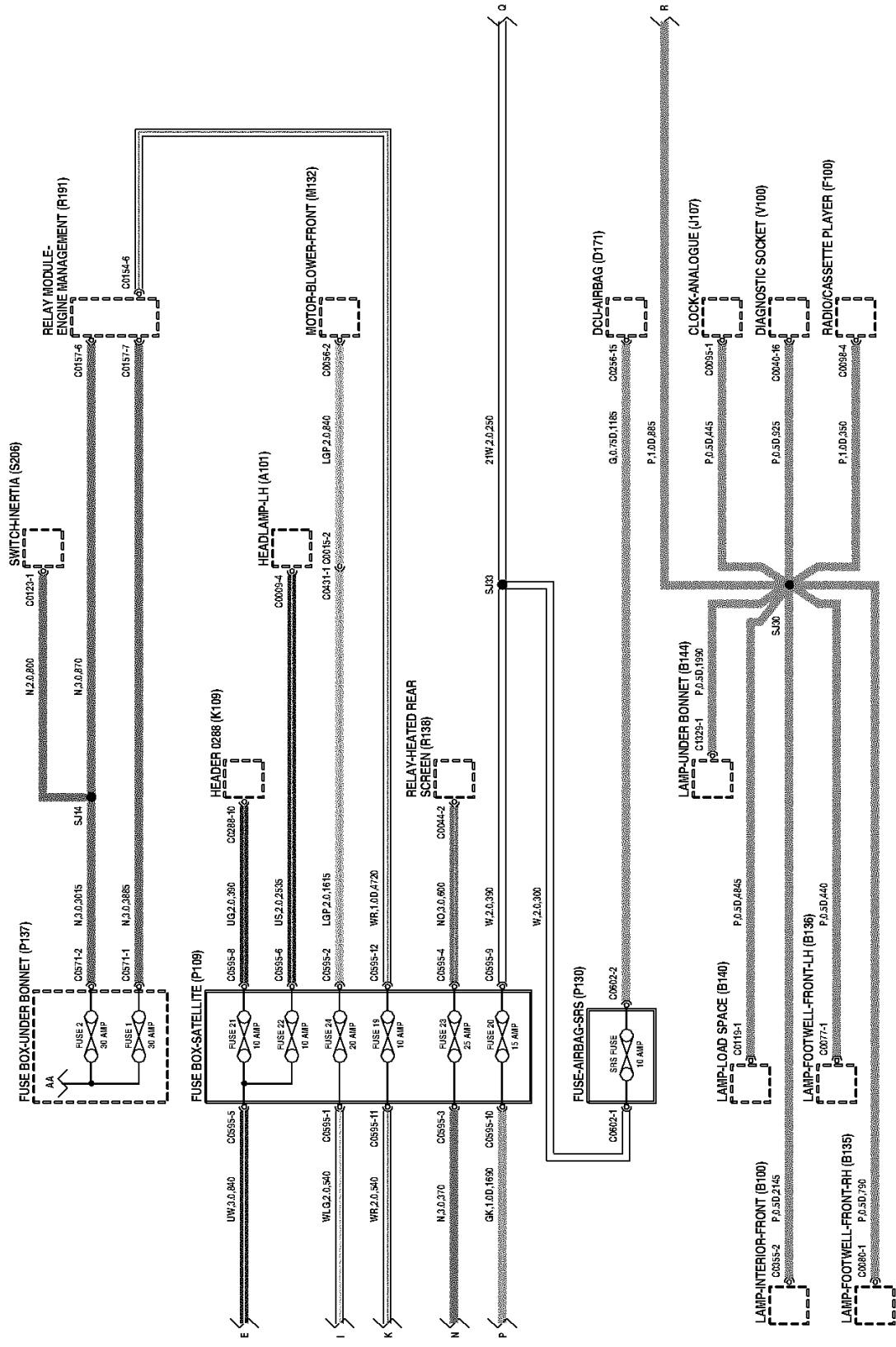
Fusible links (A) and current rated fuses (B) are identified as shown. The direction of the arrow in a Diode symbol (C) indicates the direction of current flow. The Zener diode (D) - prevents current flow until a precise voltage is reached.

POWER DISTRIBUTION



VWPR187-00-004

POWER DISTRIBUTION

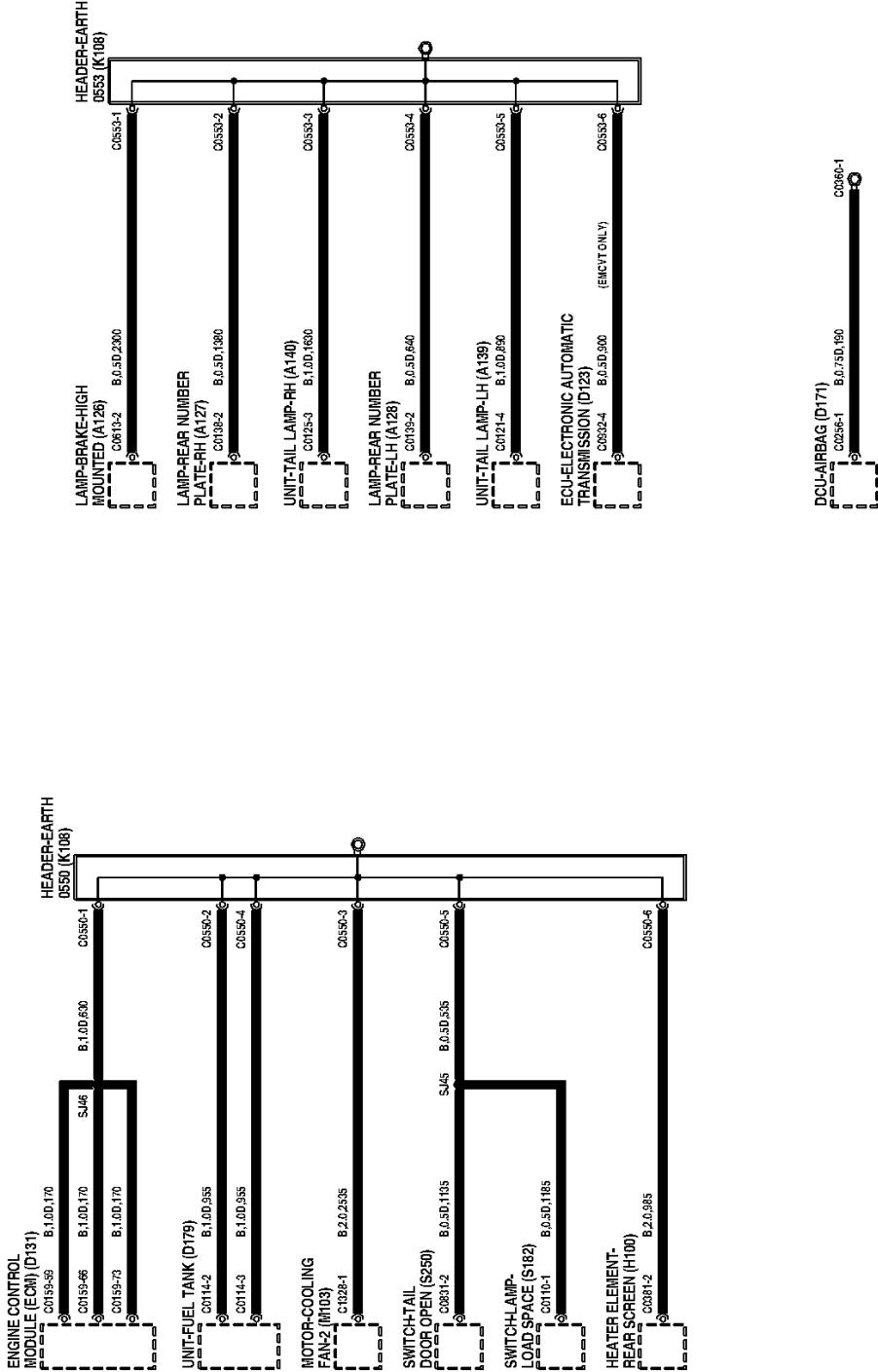


VW117/10-004



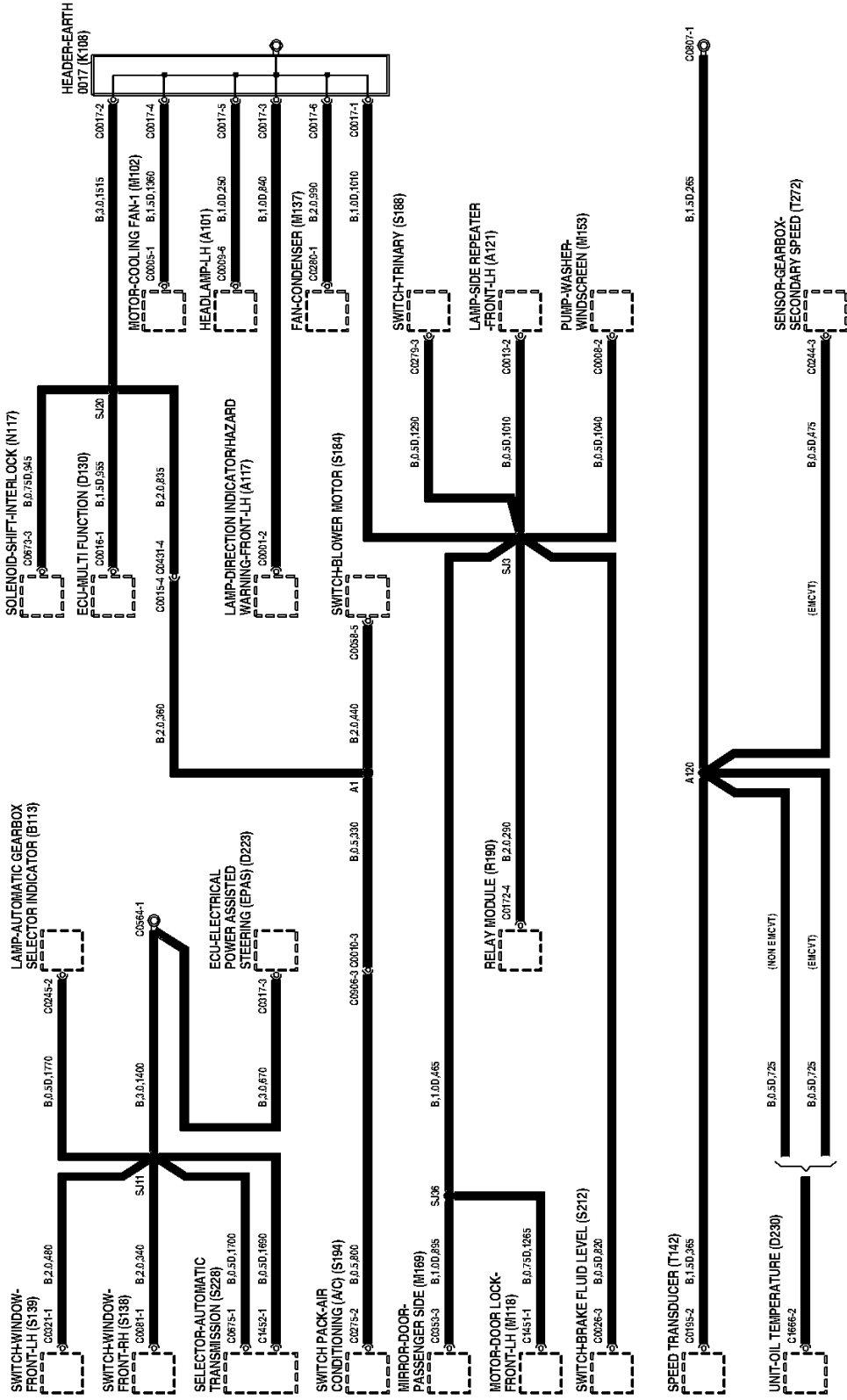
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EARTH DISTRIBUTION



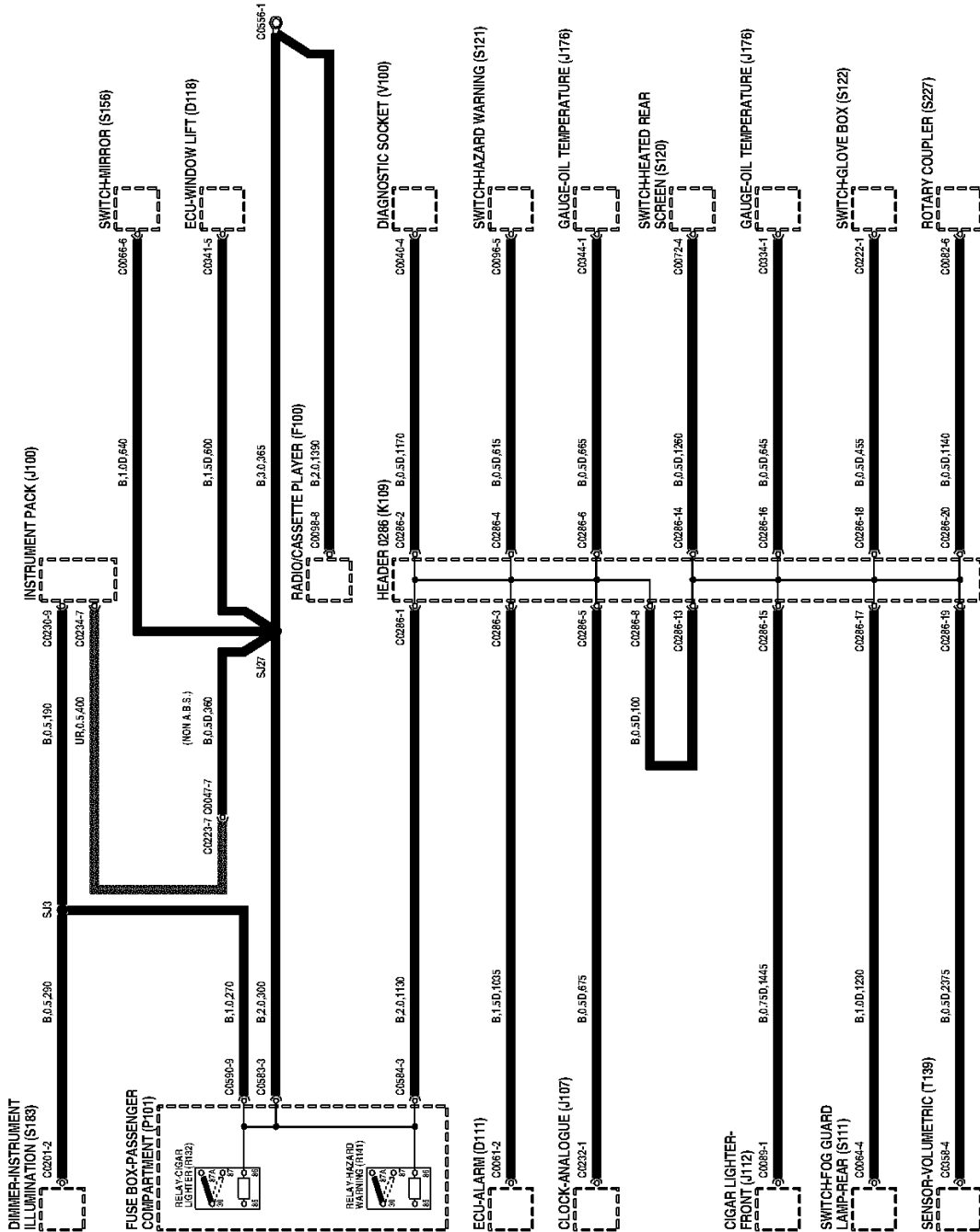
VWR1113226-104

EARTH DISTRIBUTION



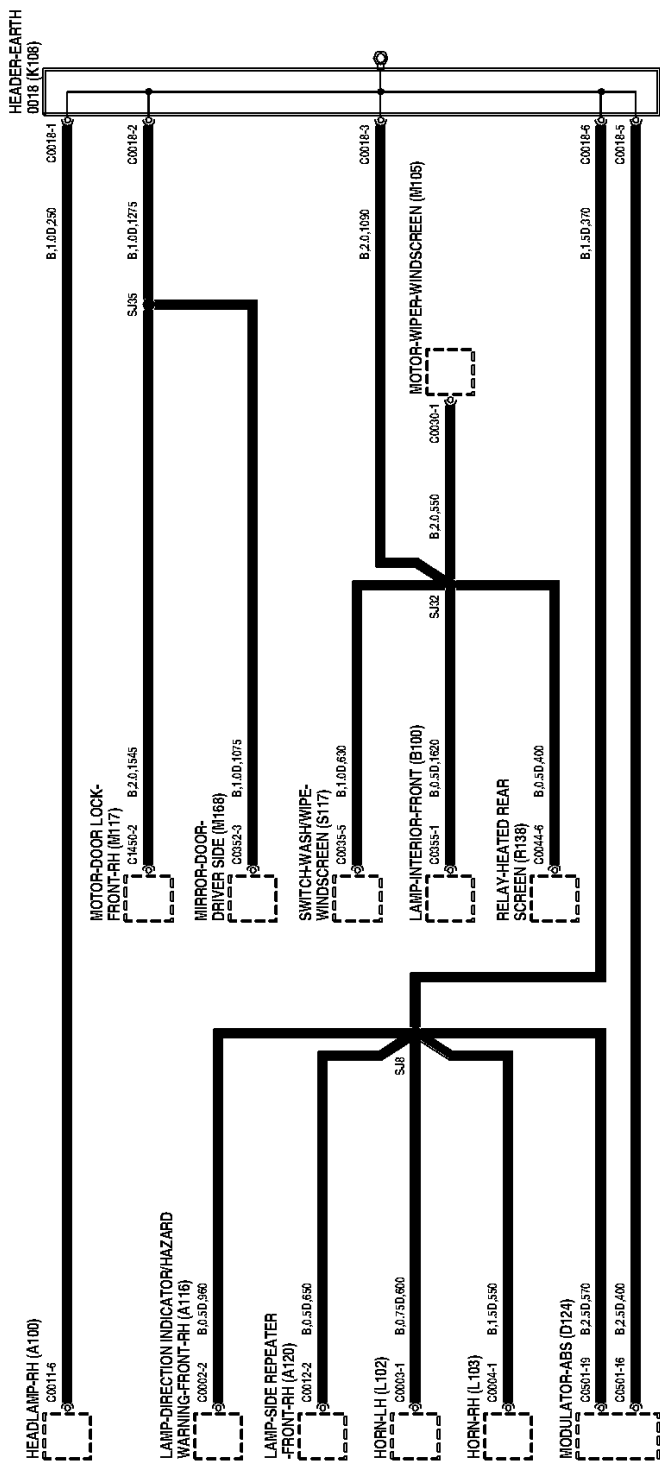
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EARTH DISTRIBUTION



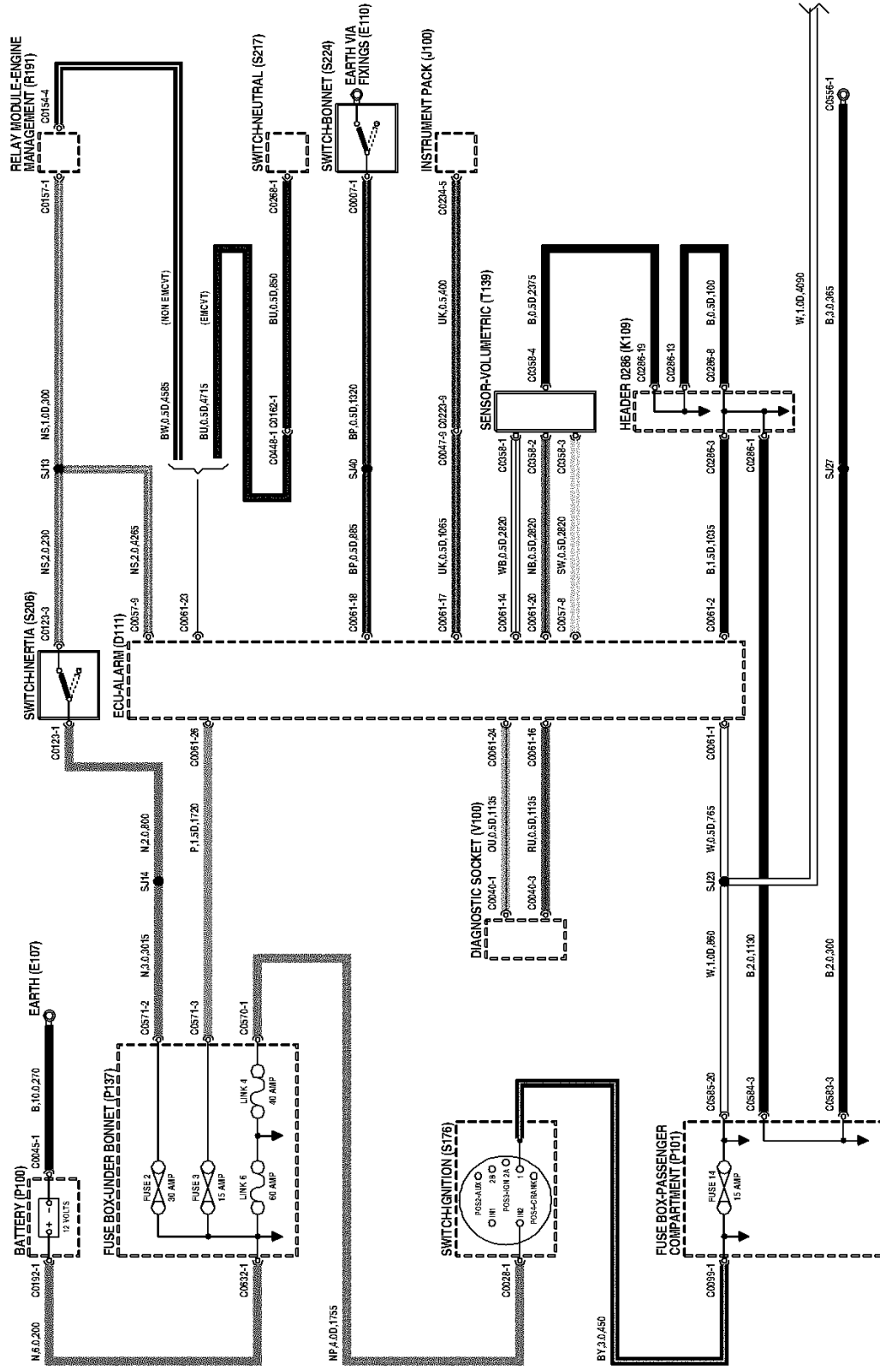
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EARTH DISTRIBUTION



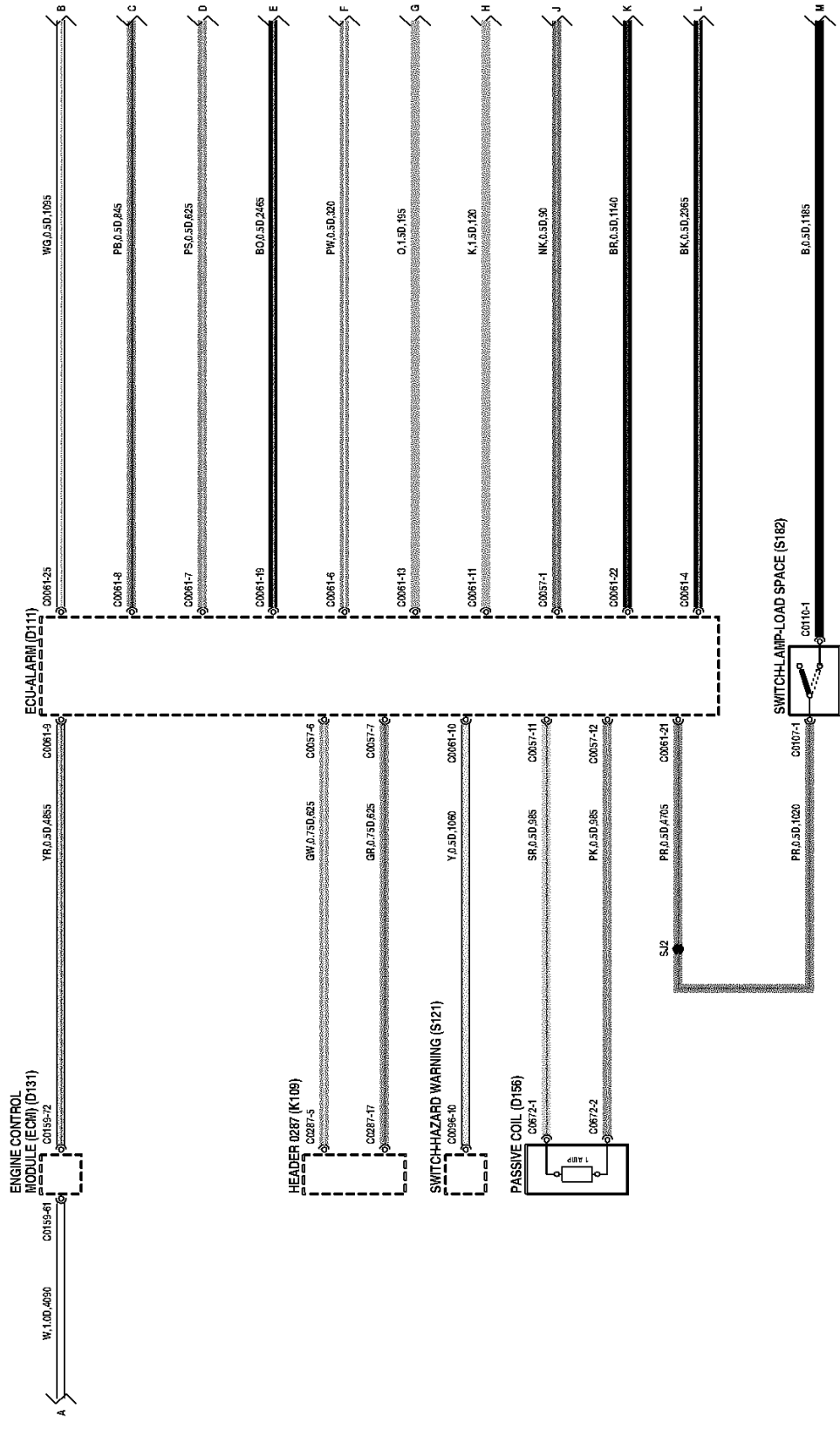
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ANTI-THEFT ALARM AND CENTRAL DOOR LOCKING (CDL)

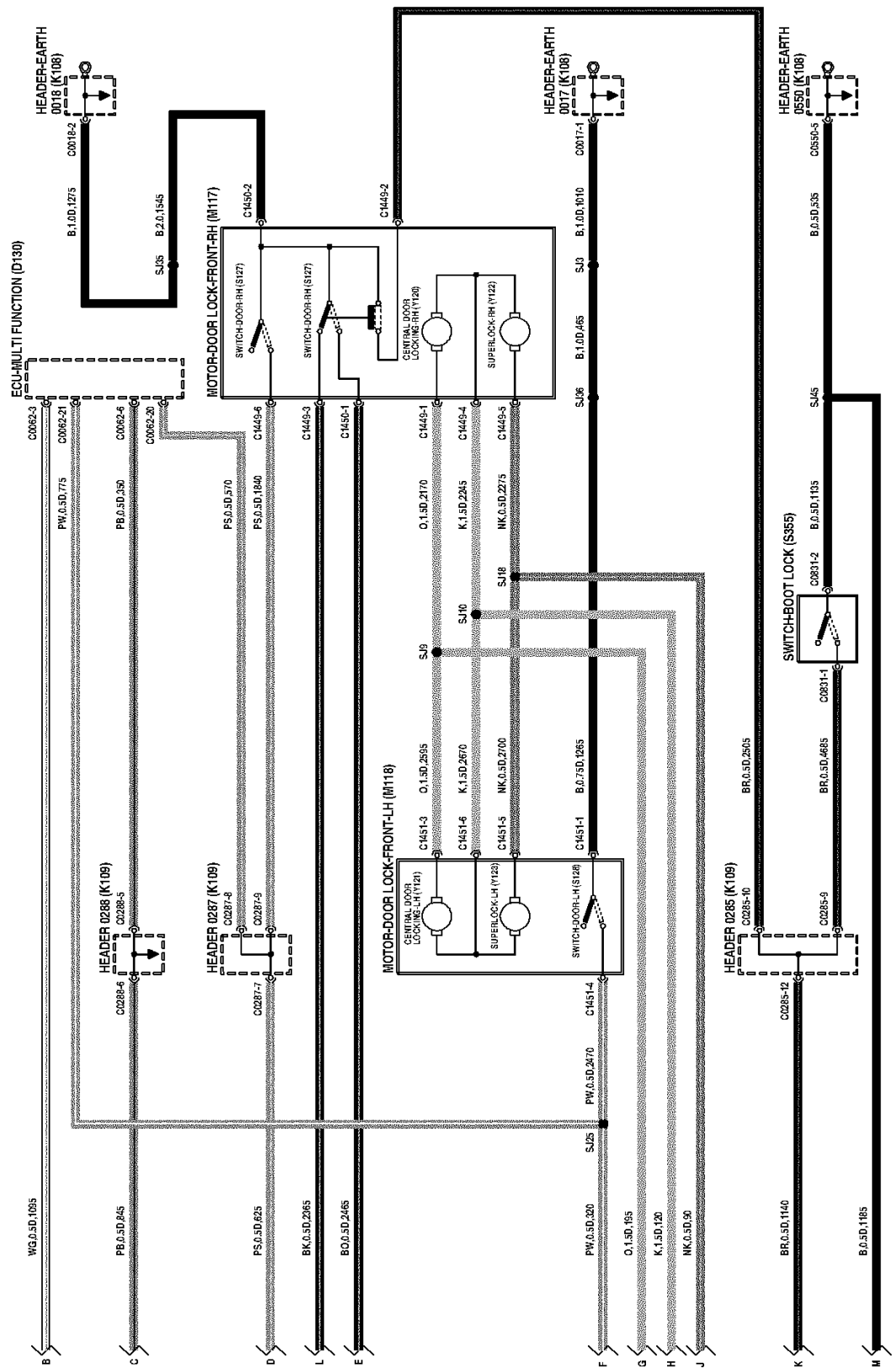


VWPR115186-1403

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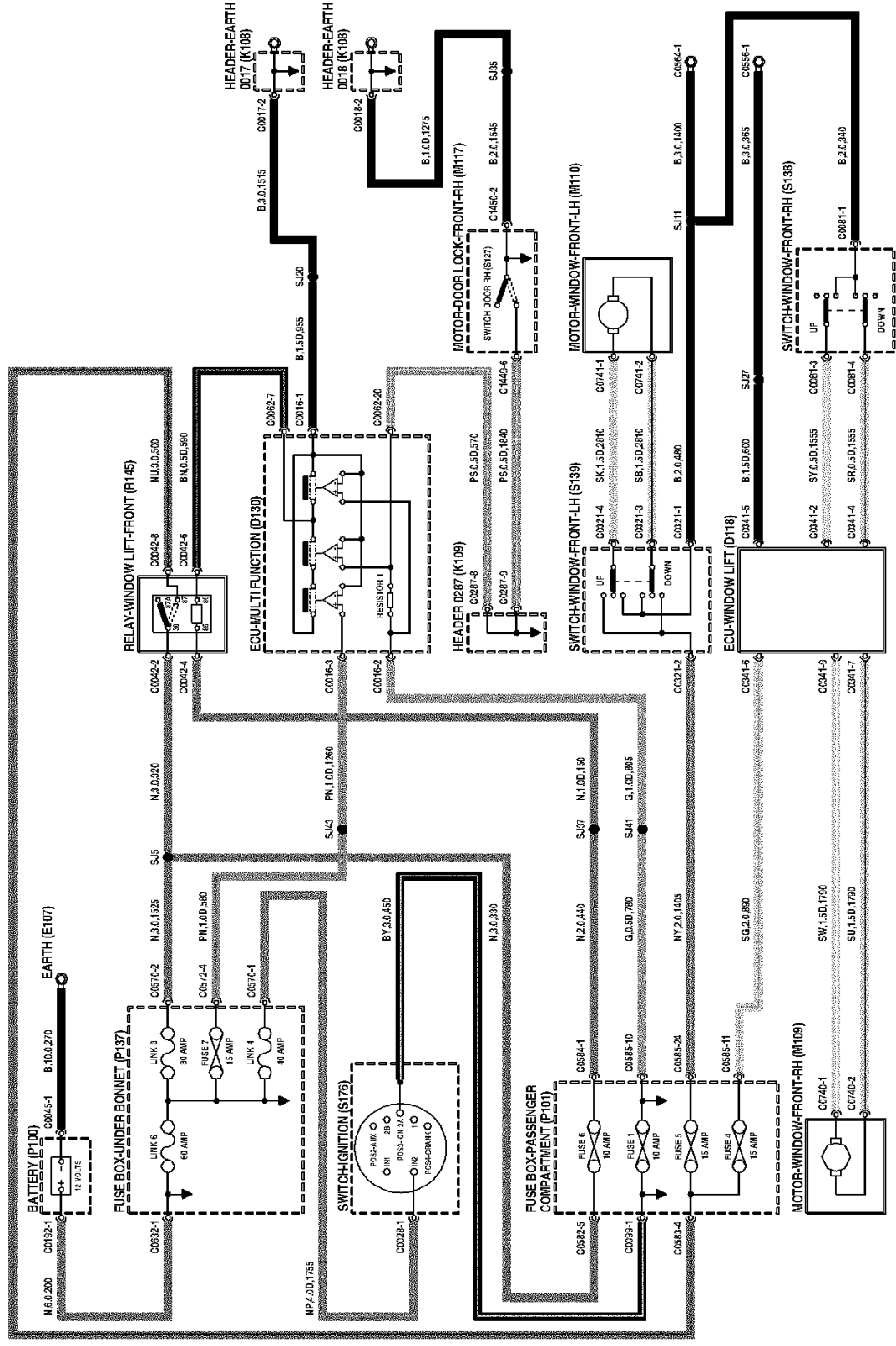


ANTI-THEFT ALARM AND CENTRAL DOOR LOCKING (CDL)



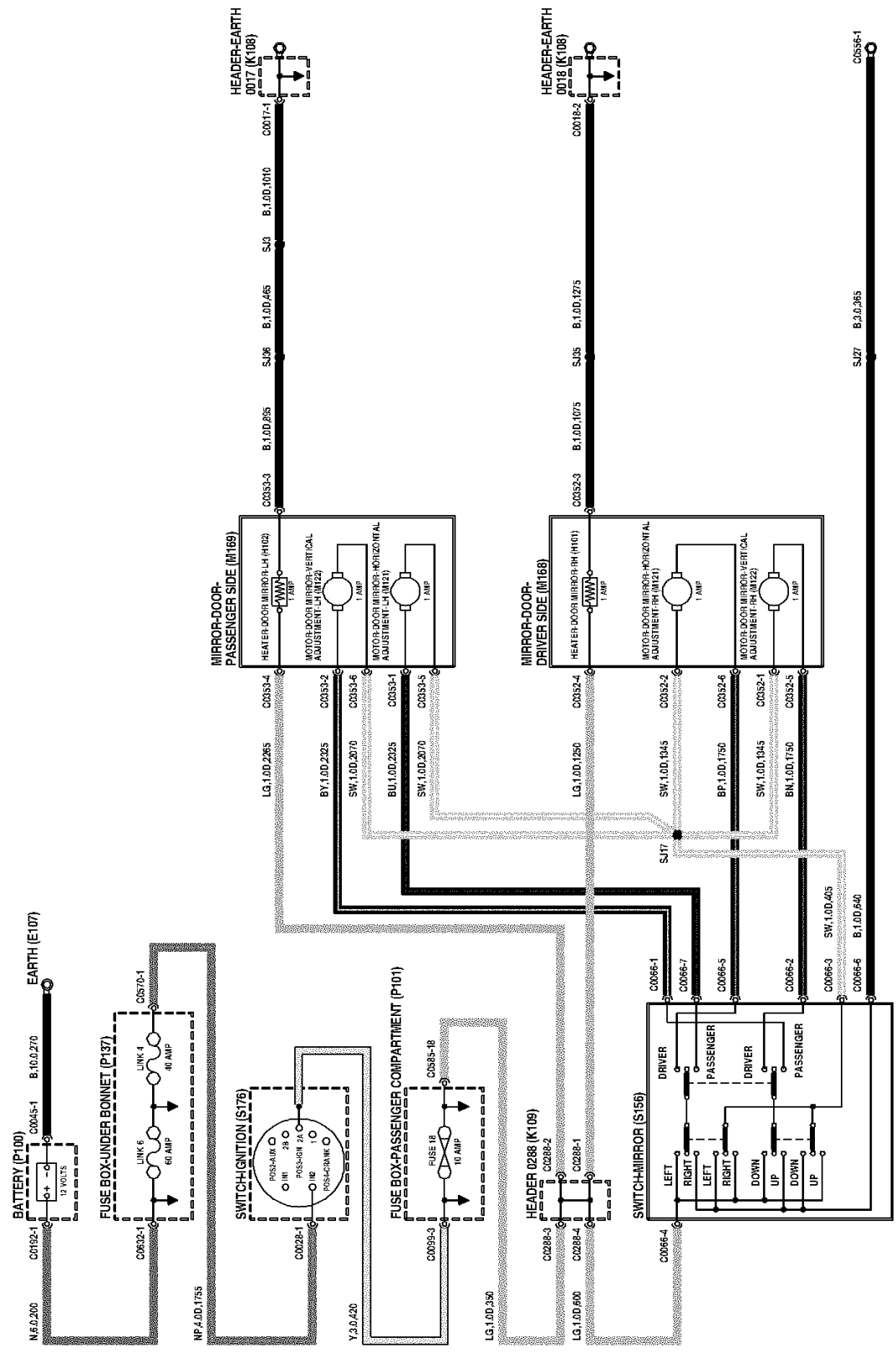
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WINDOW LIFT



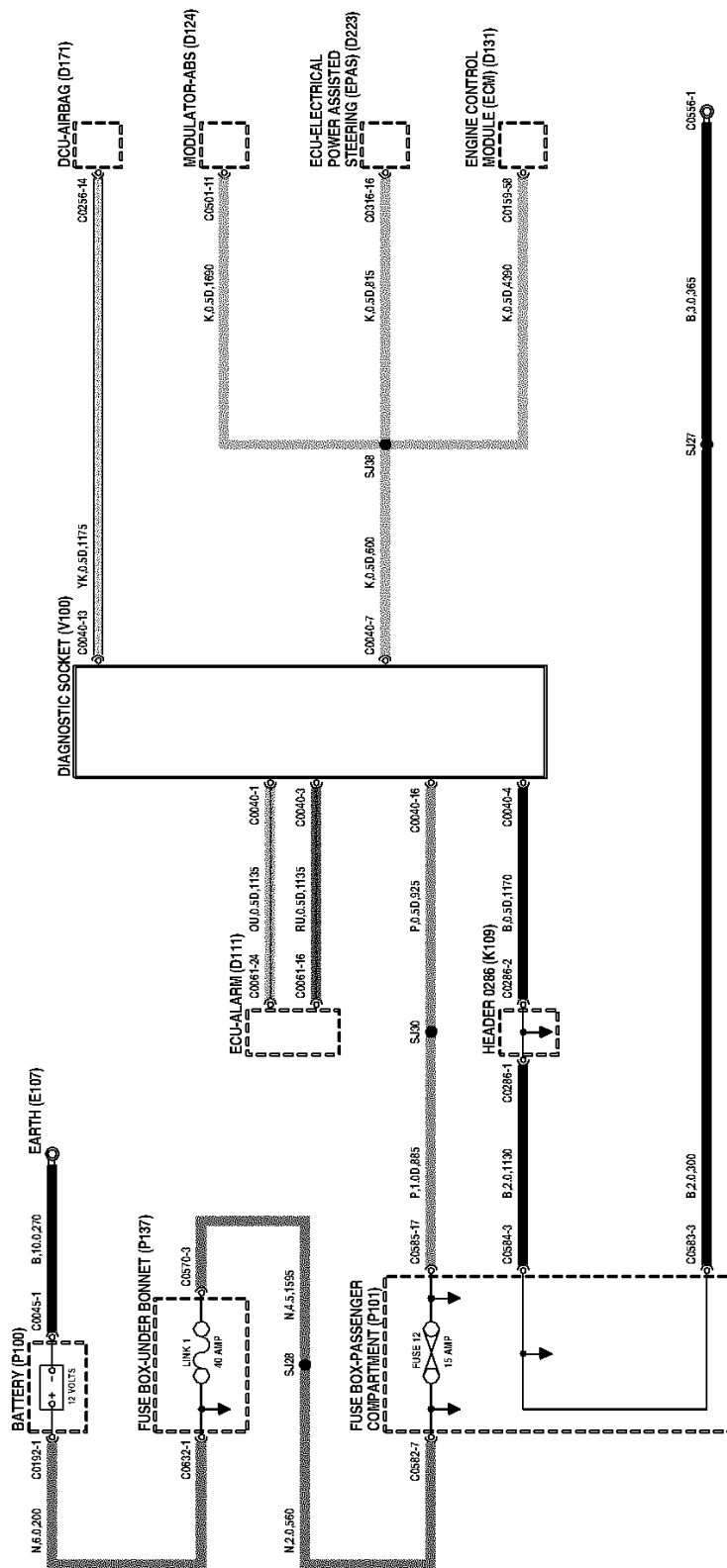
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DOOR MIRRORS



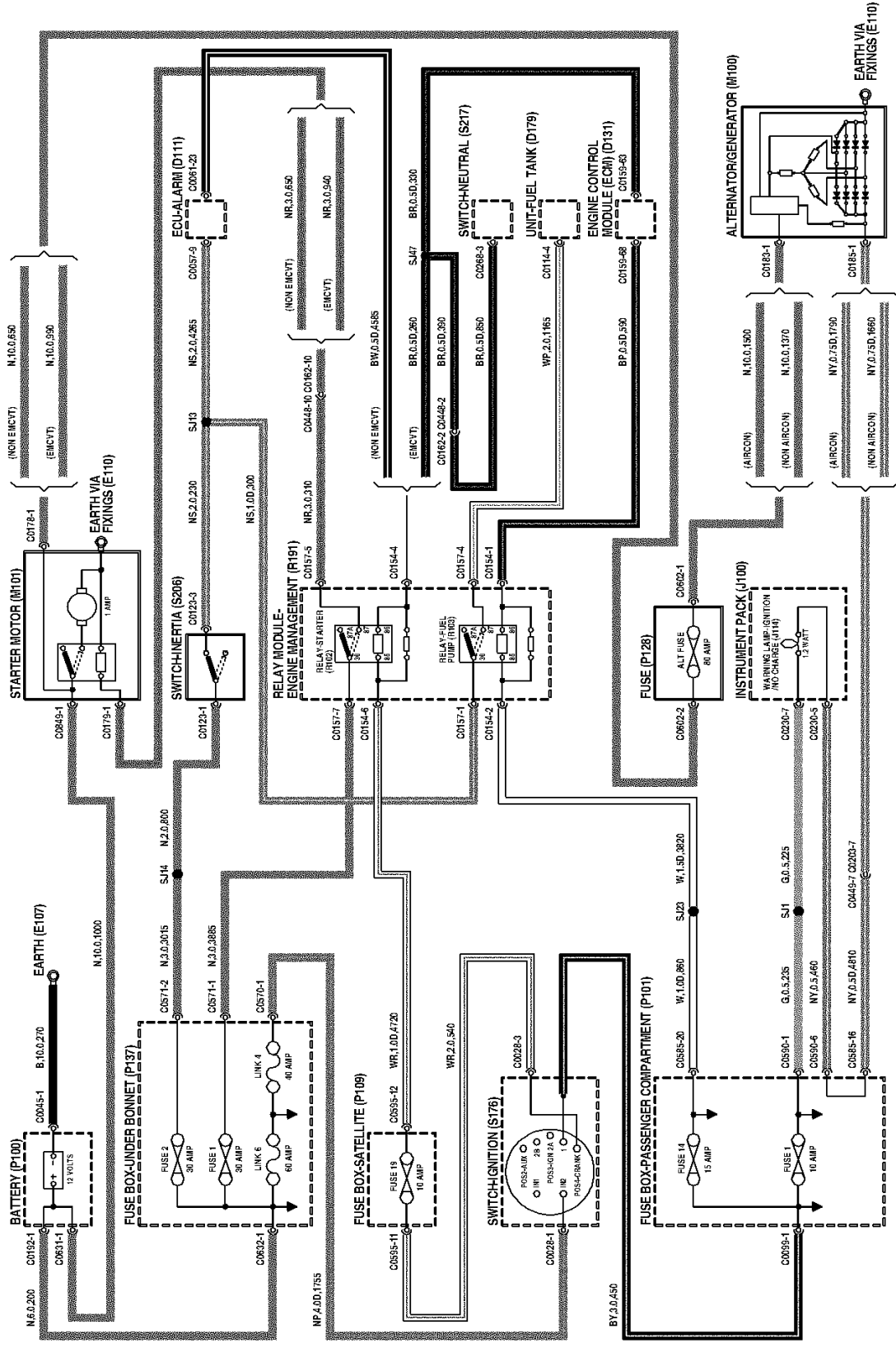
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DIAGNOSTIC SOCKET



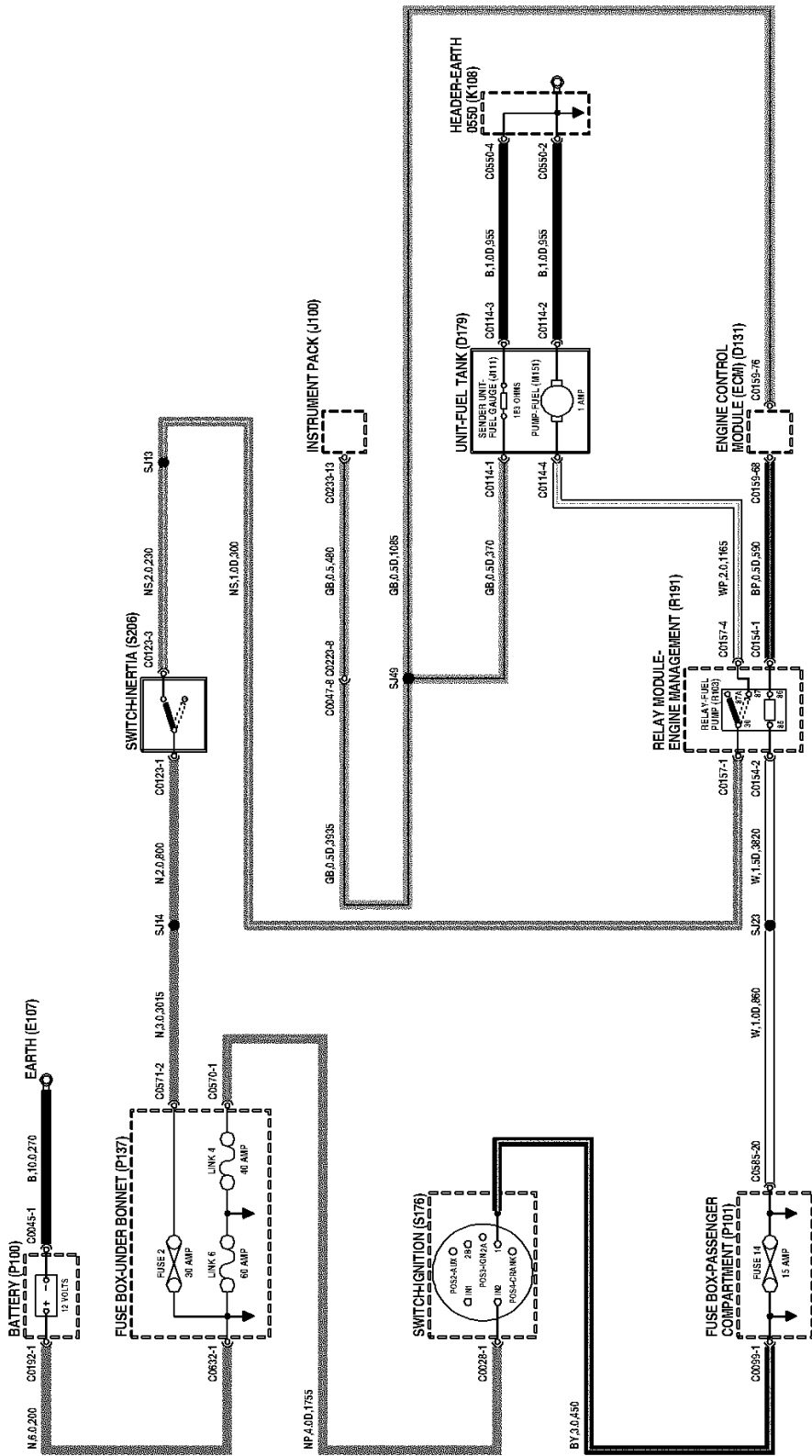
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STARTING AND CHARGING



VW1115500-141

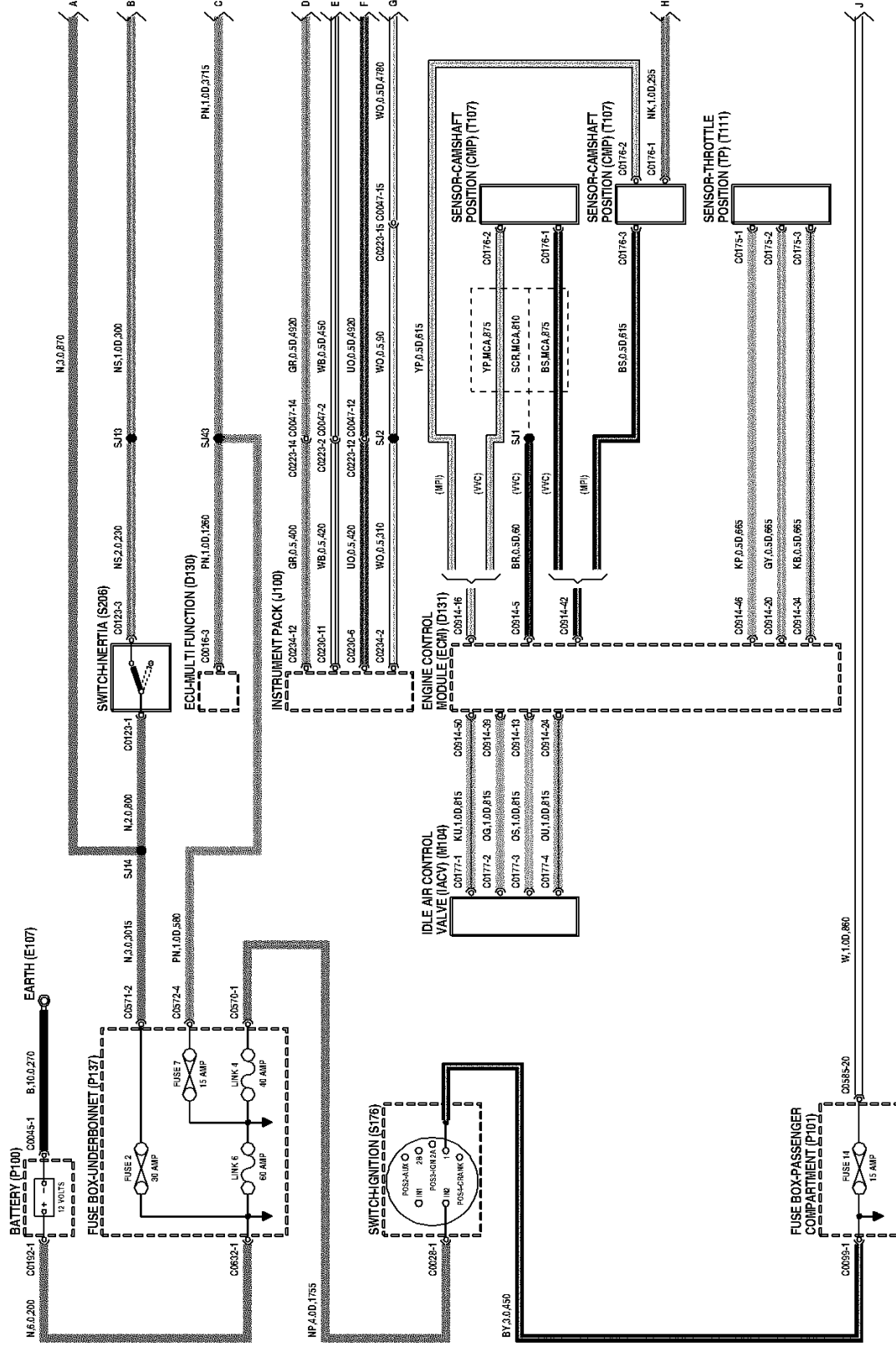
FUEL PUMP



VWRT15408-1-01

ENGINE MANAGEMENT

MEMS 3



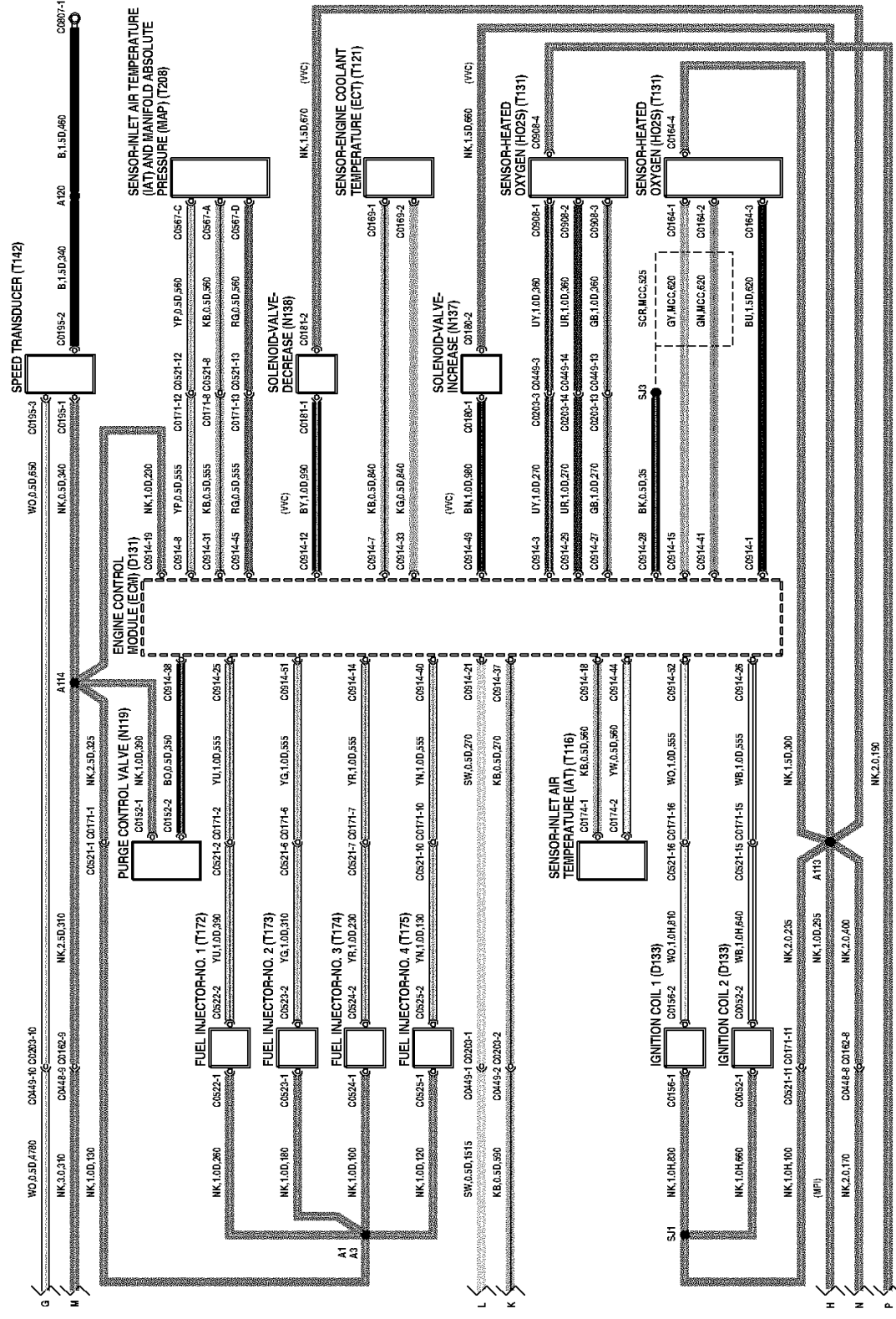
VWRT1400-140

ENGINE MANAGEMENT

MENS 3

ENGINE MANAGEMENT

MEMS3



ENGINE MANAGEMENT

MENS 3 with Em-CVT



MEMS 3 with Em-CVT

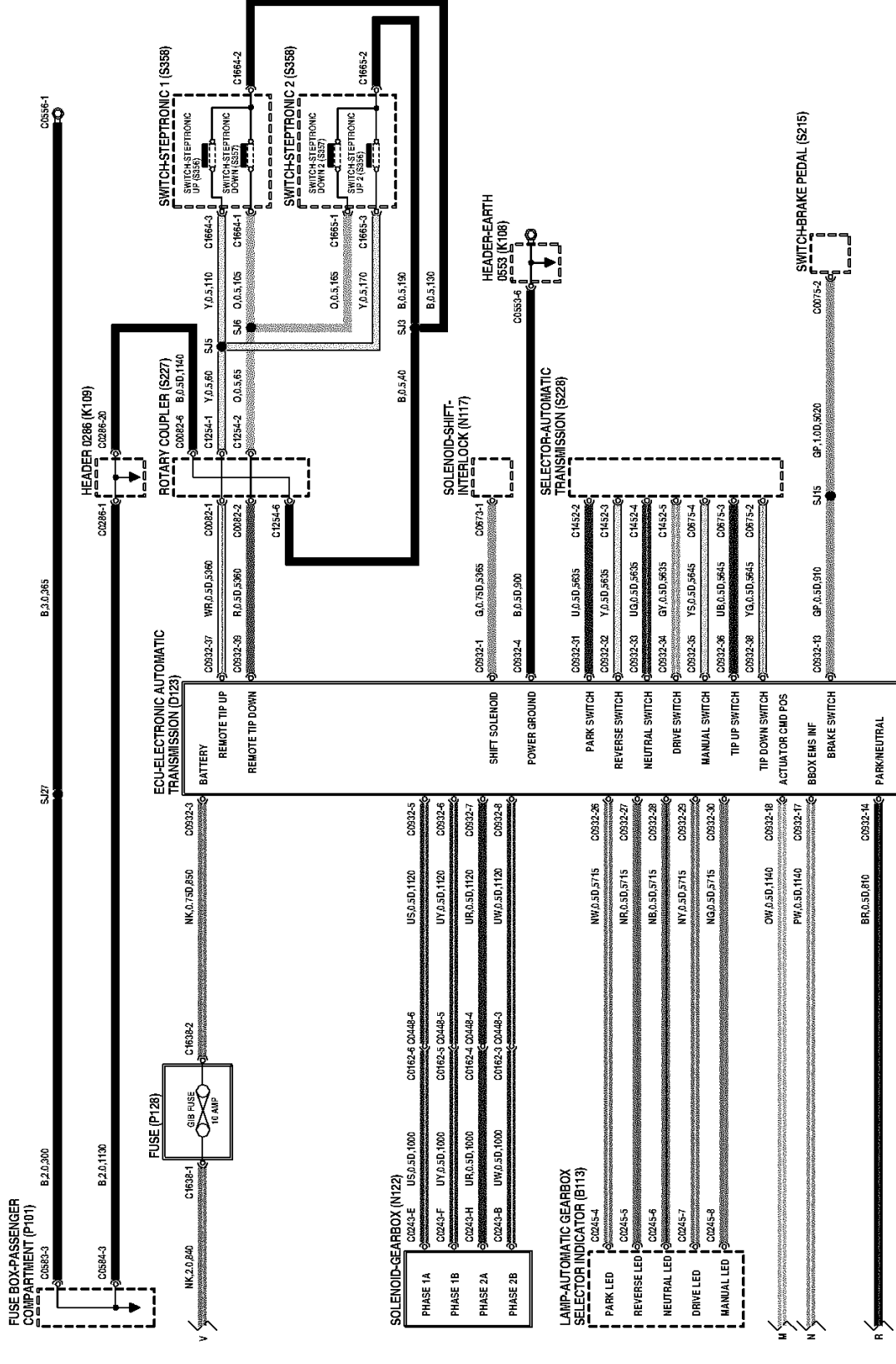


MEMS 3 with Em-CVT



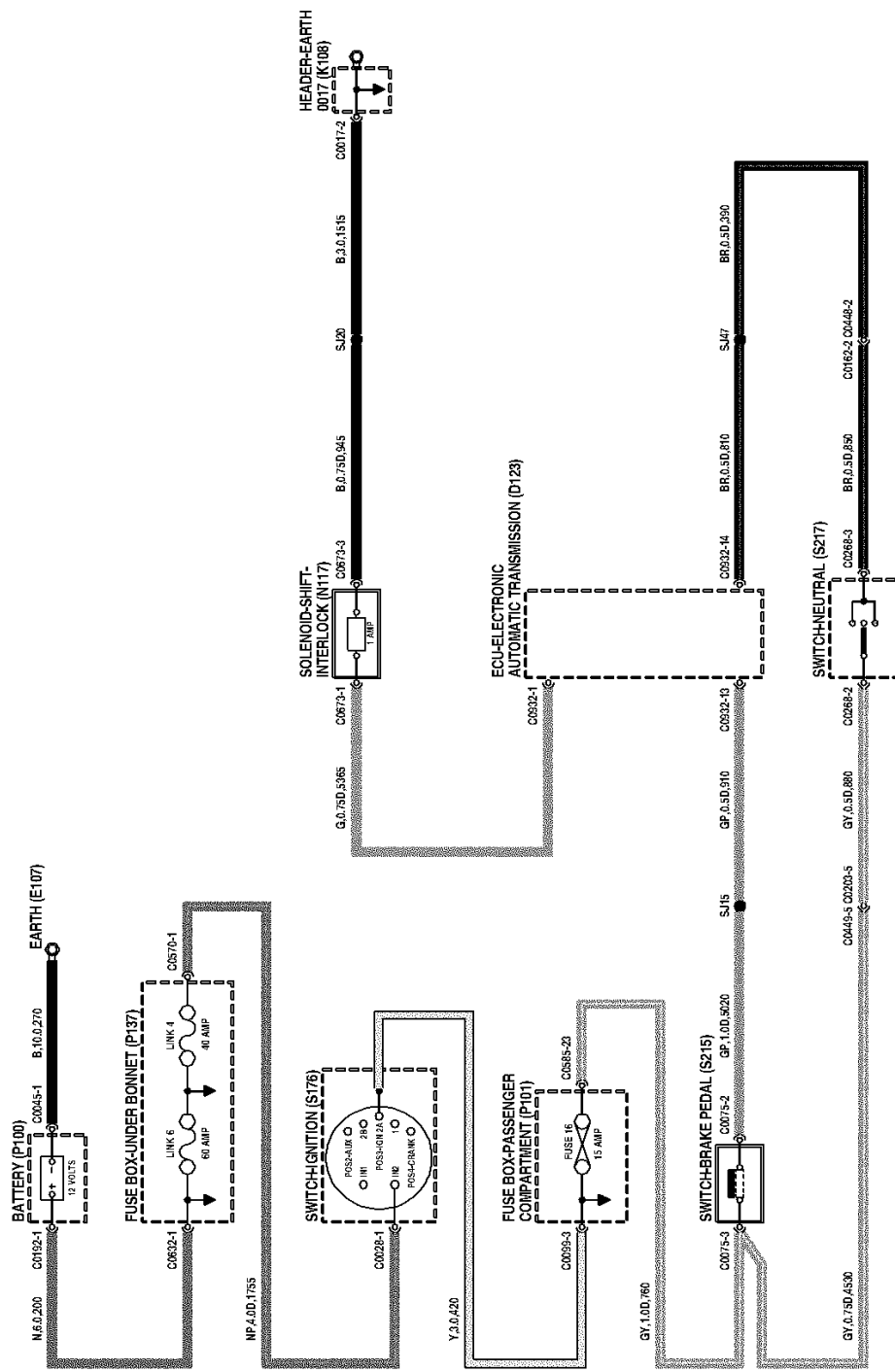
ENGINE MANAGEMENT

MEMS 3 with Em-CVT



VW111328-404

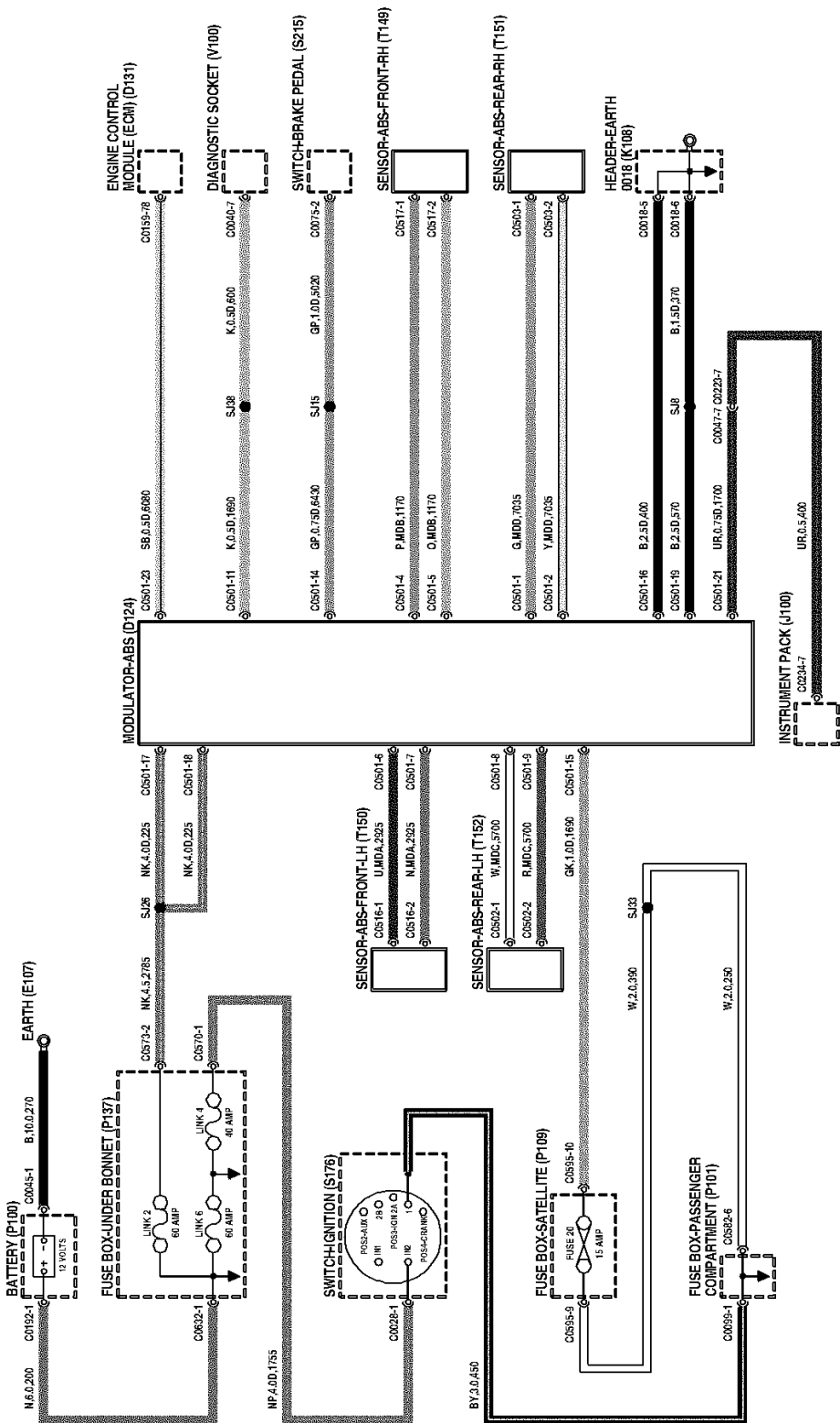
SHIFT INTERLOCK



VPR116786-1-01

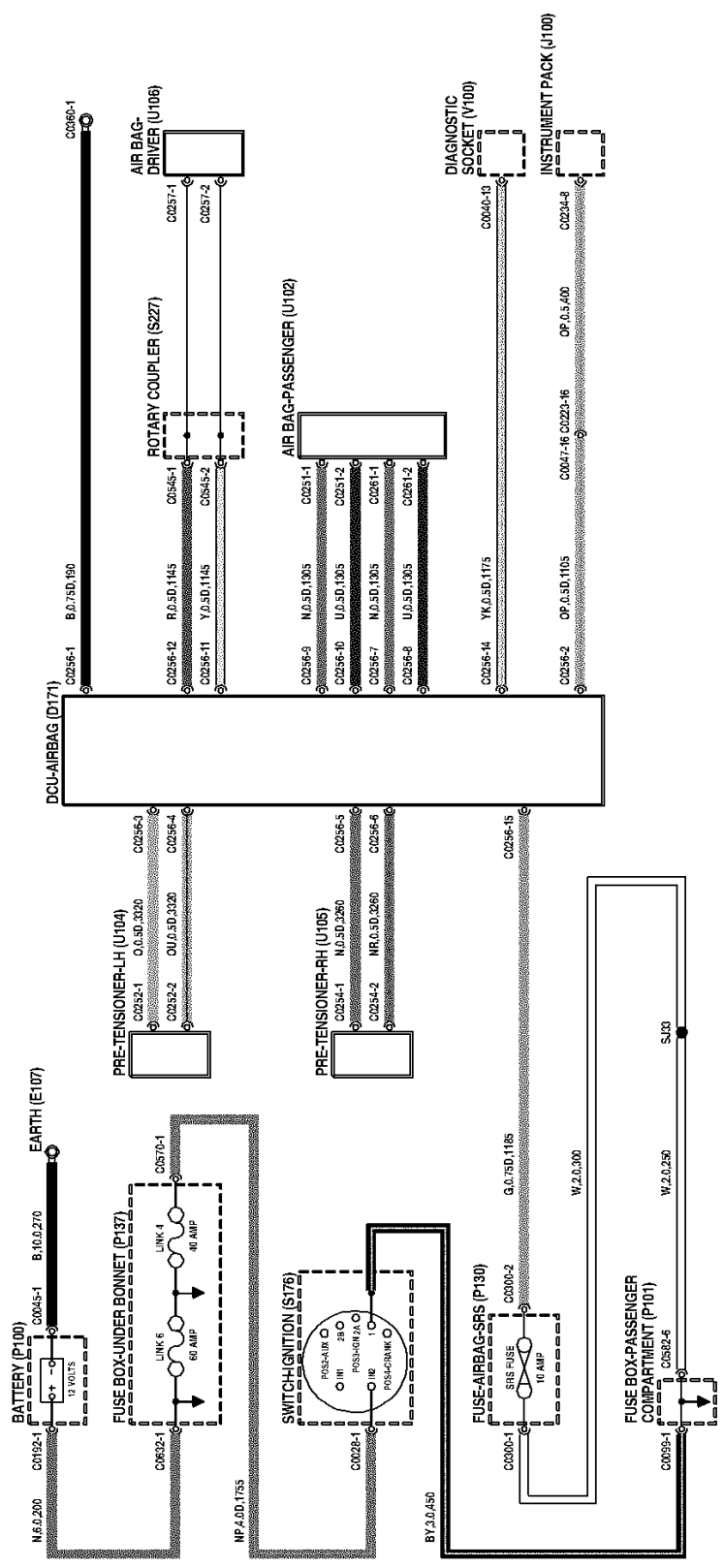


ANTI-LOCK BRAKING SYSTEM (ABS)



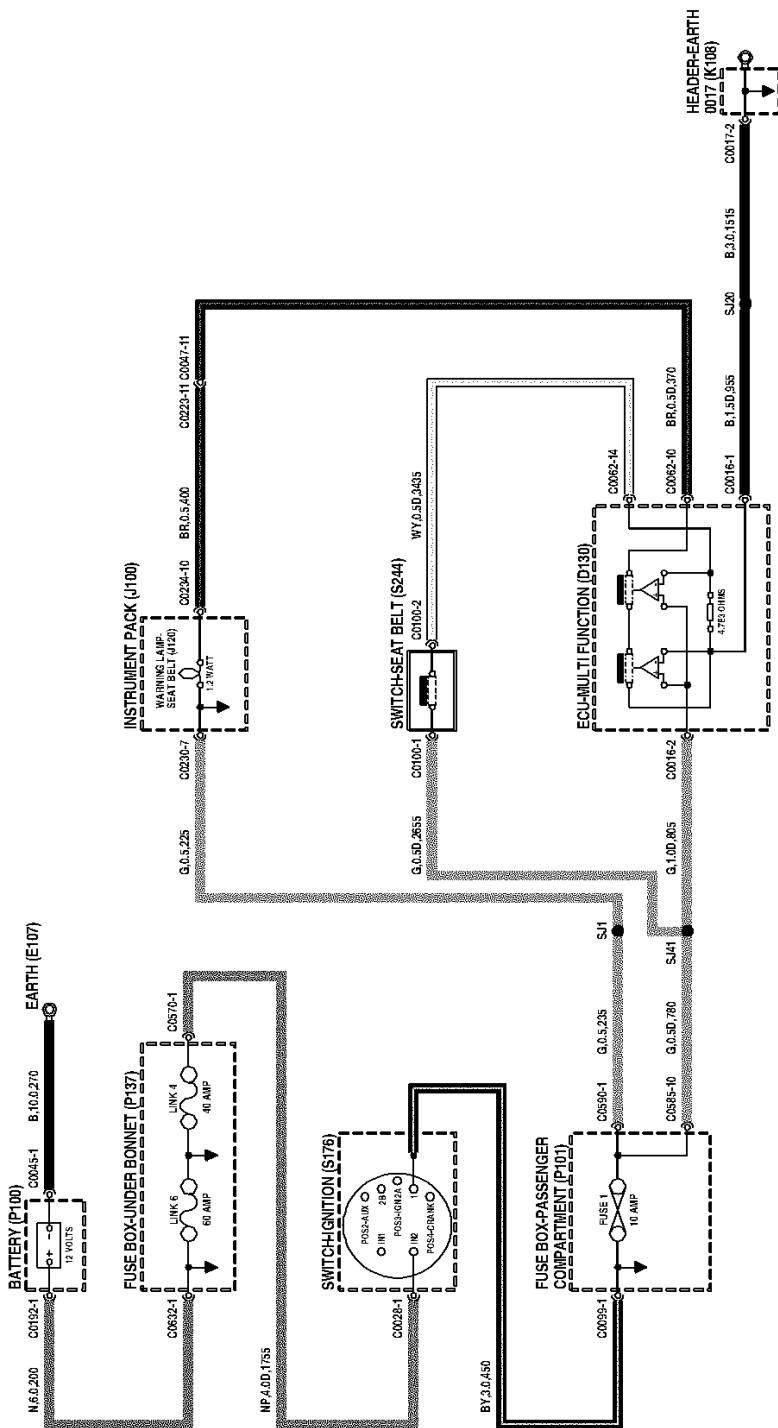
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SUPPLEMENTARY RESTRAINT SYSTEM (SRS)



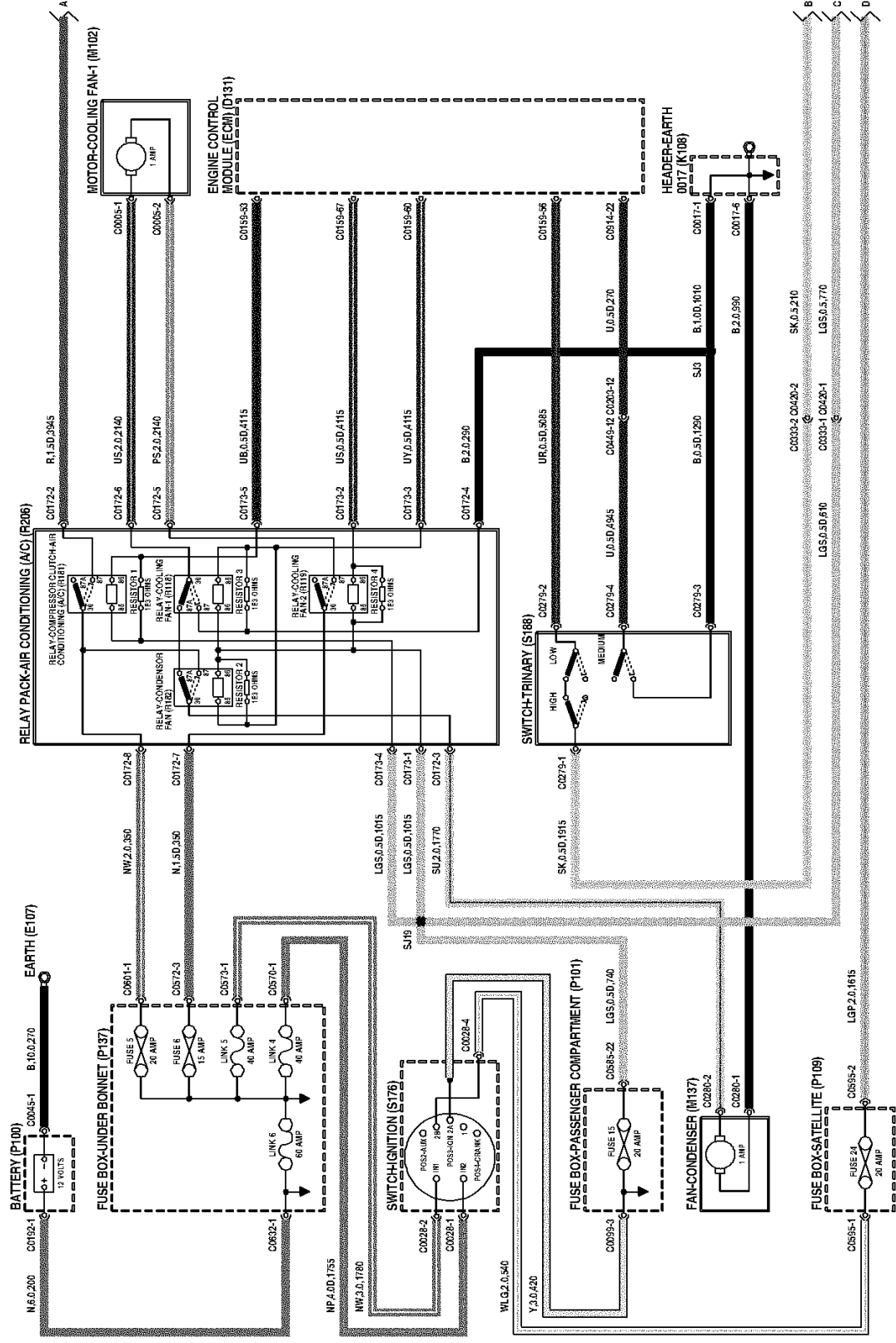
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SEAT BELT WARNING



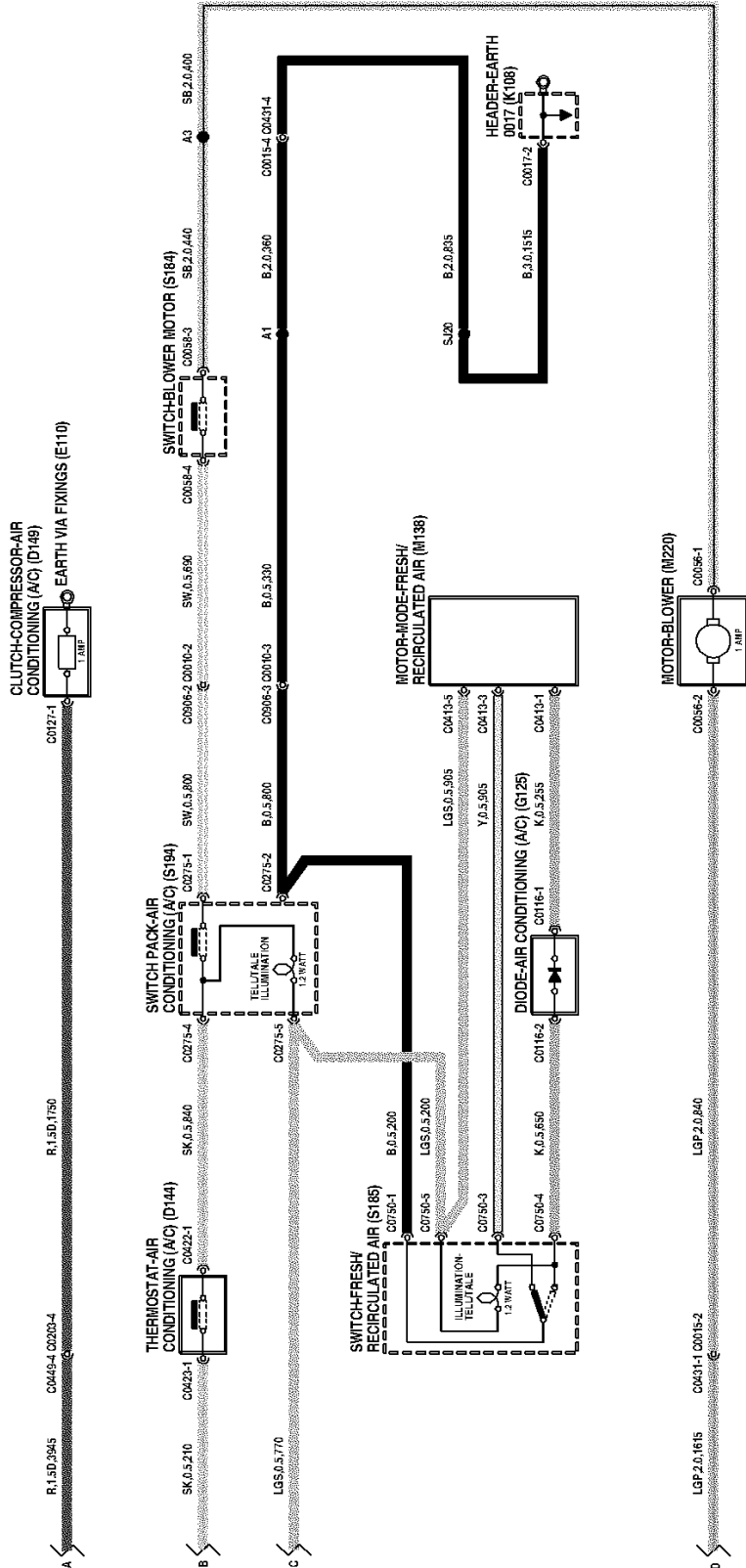
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AIR CONDITIONING (A/C)



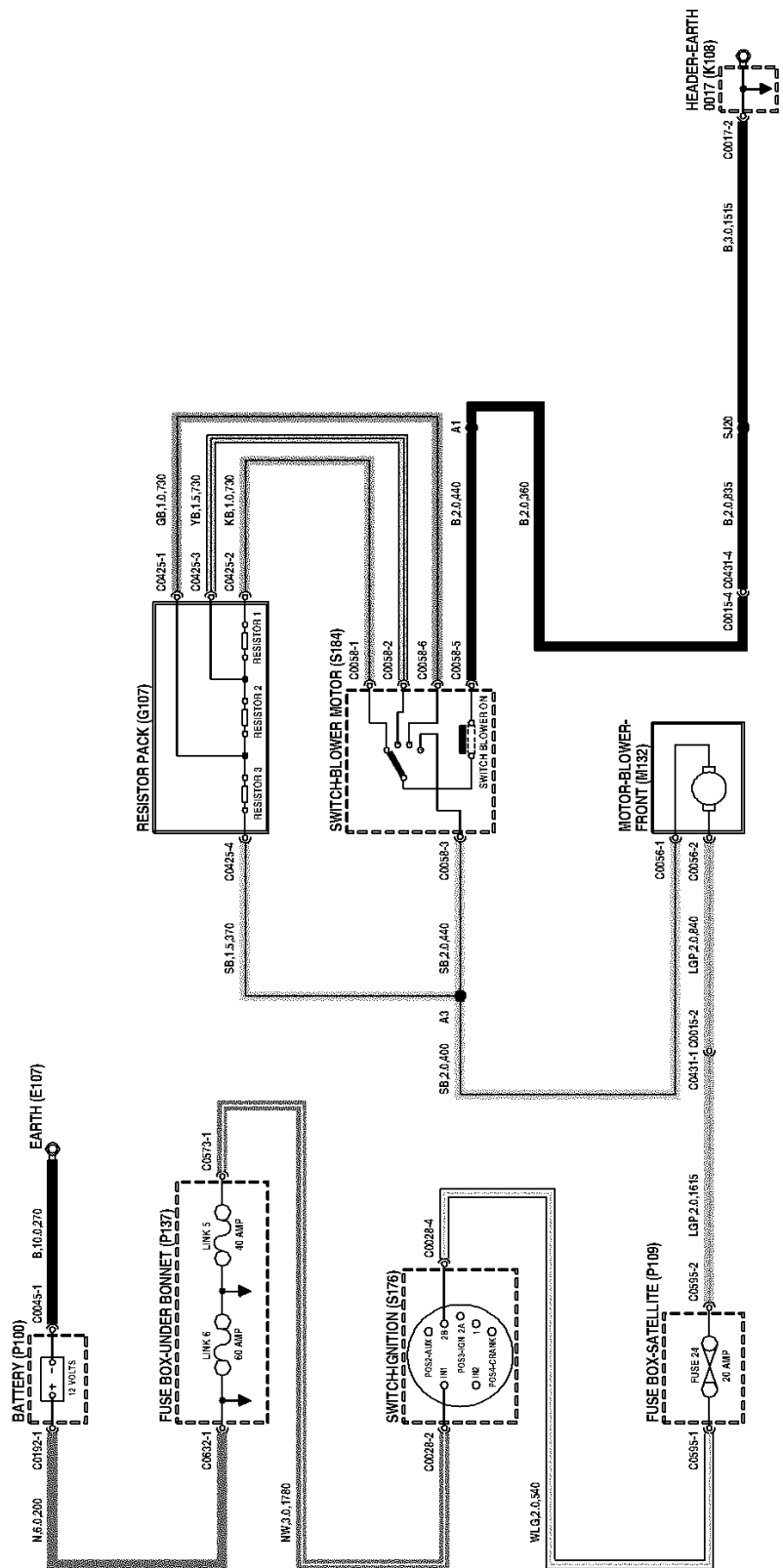
VWPR115160-1402

AIR CONDITIONING (A/C)



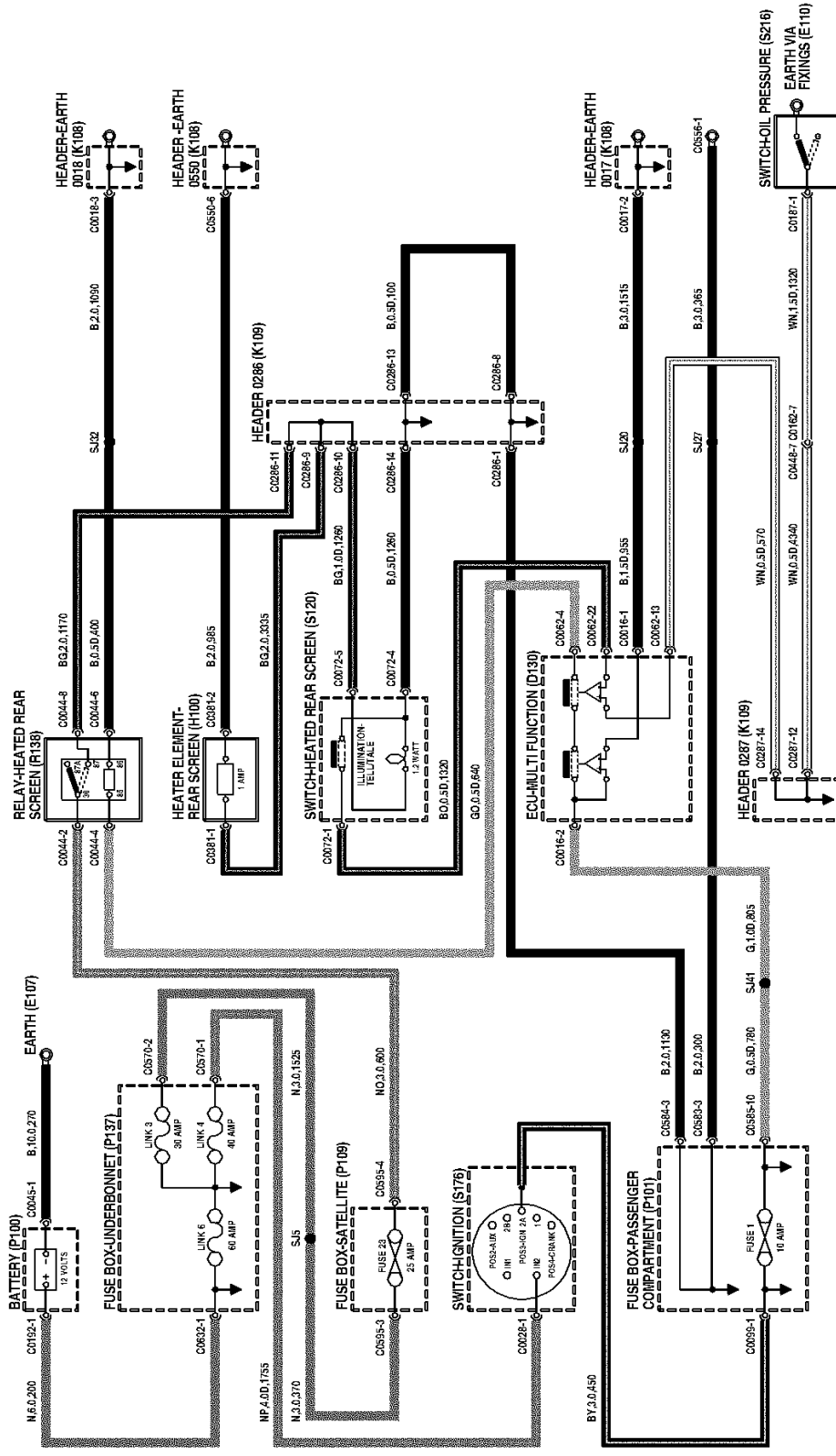
VWR115162-242

HEATER BLOWER



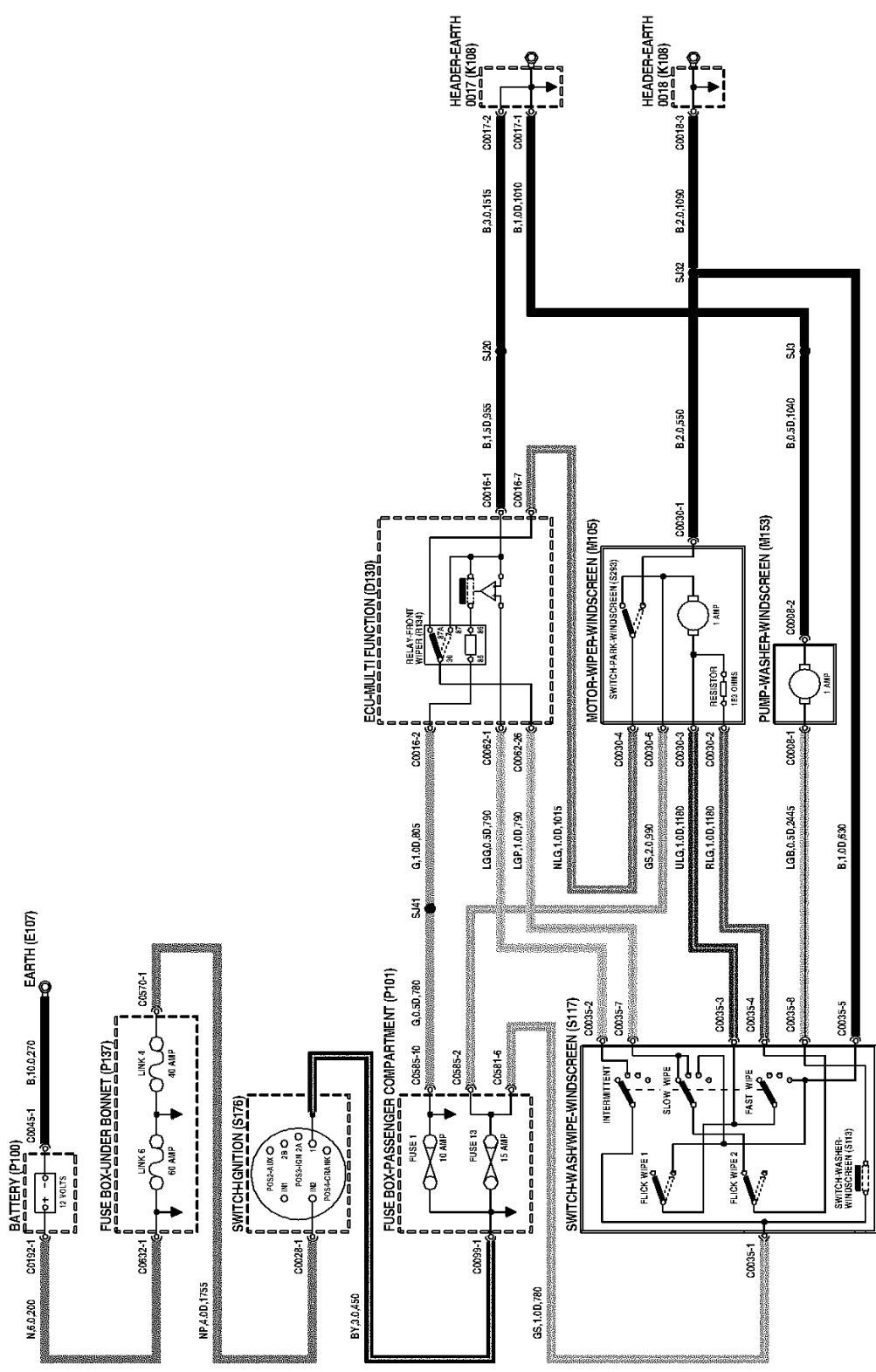
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HEATED REAR WINDOW (HRW)



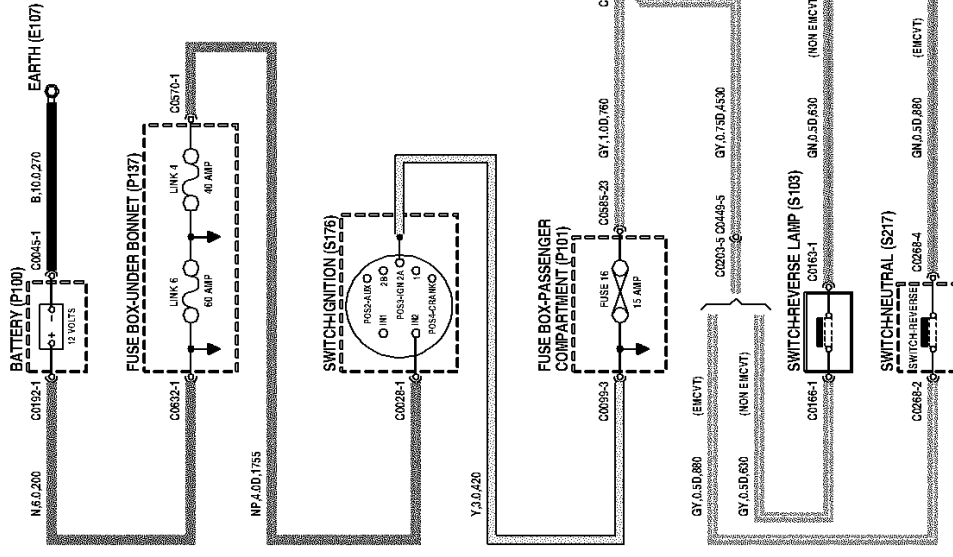
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WIPERS AND WASHERS



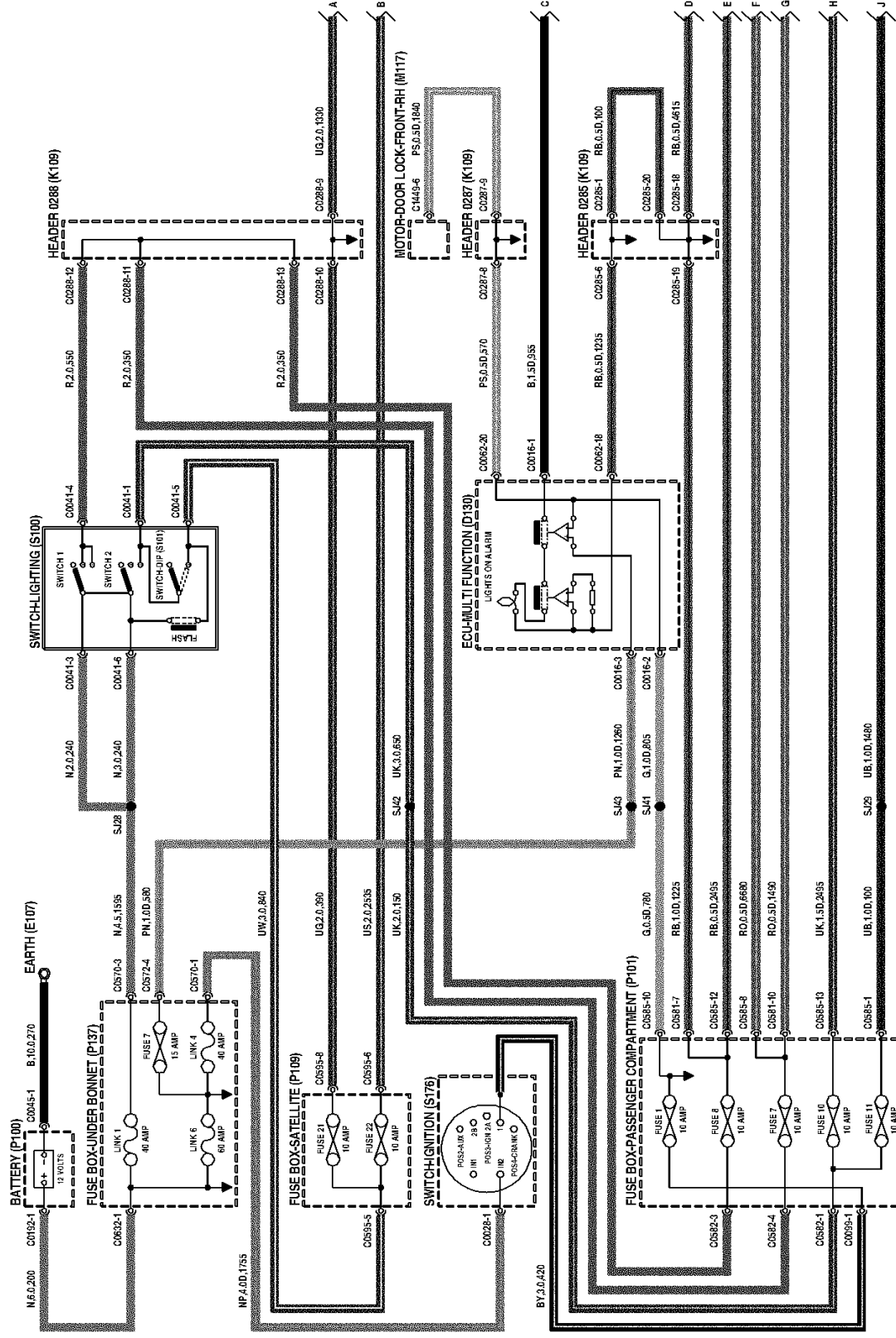
VWRT15500-101

EXTERIOR LAMPS BRAKE AND REVERSE LAMPS



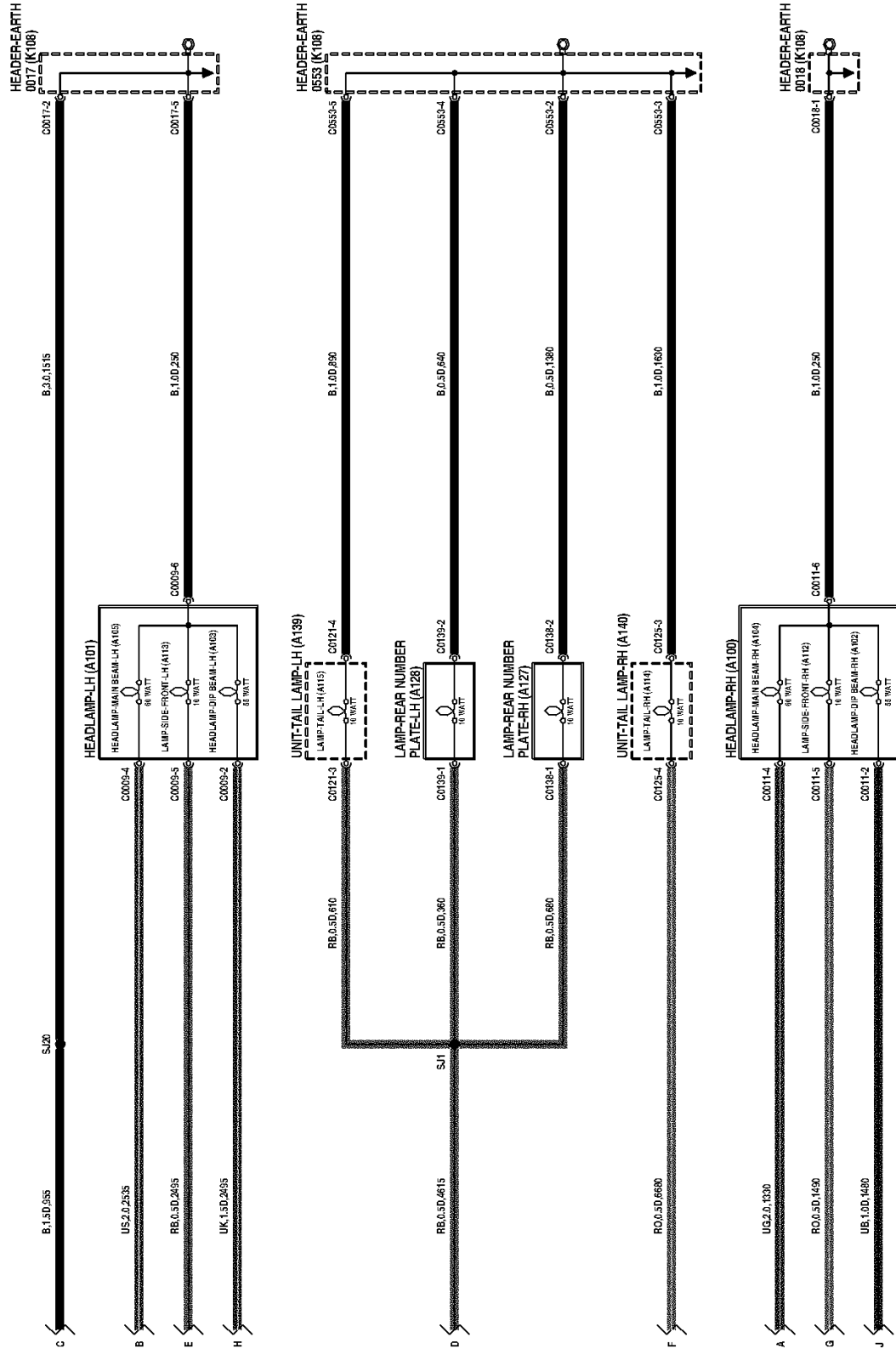
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EXTERIOR LAMPS HEAD, SIDE AND TAIL LAMPS



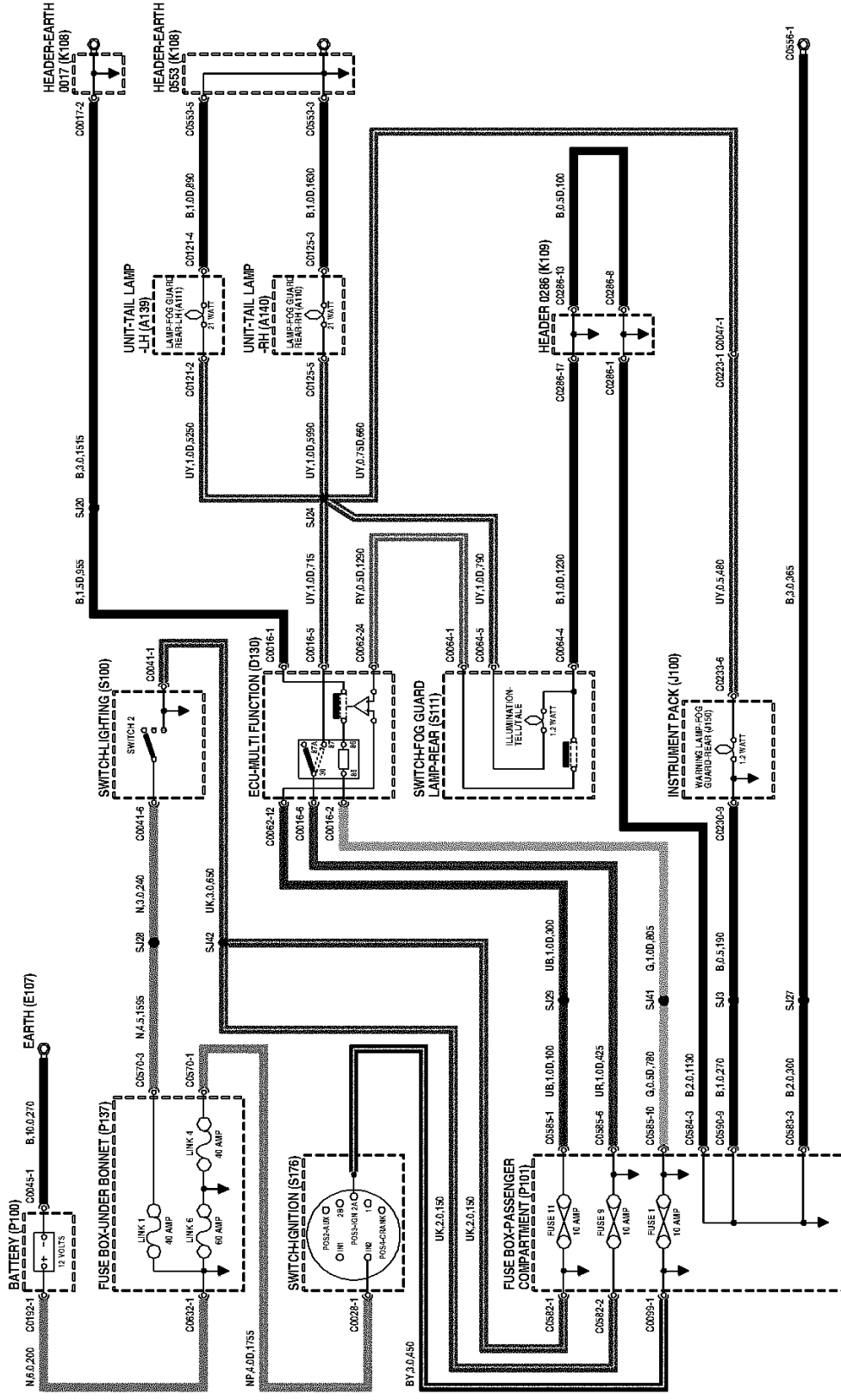
WIRING DIAGRAM

EXTERIOR LAMPS
HEAD, SIDE AND TAIL LAMPS



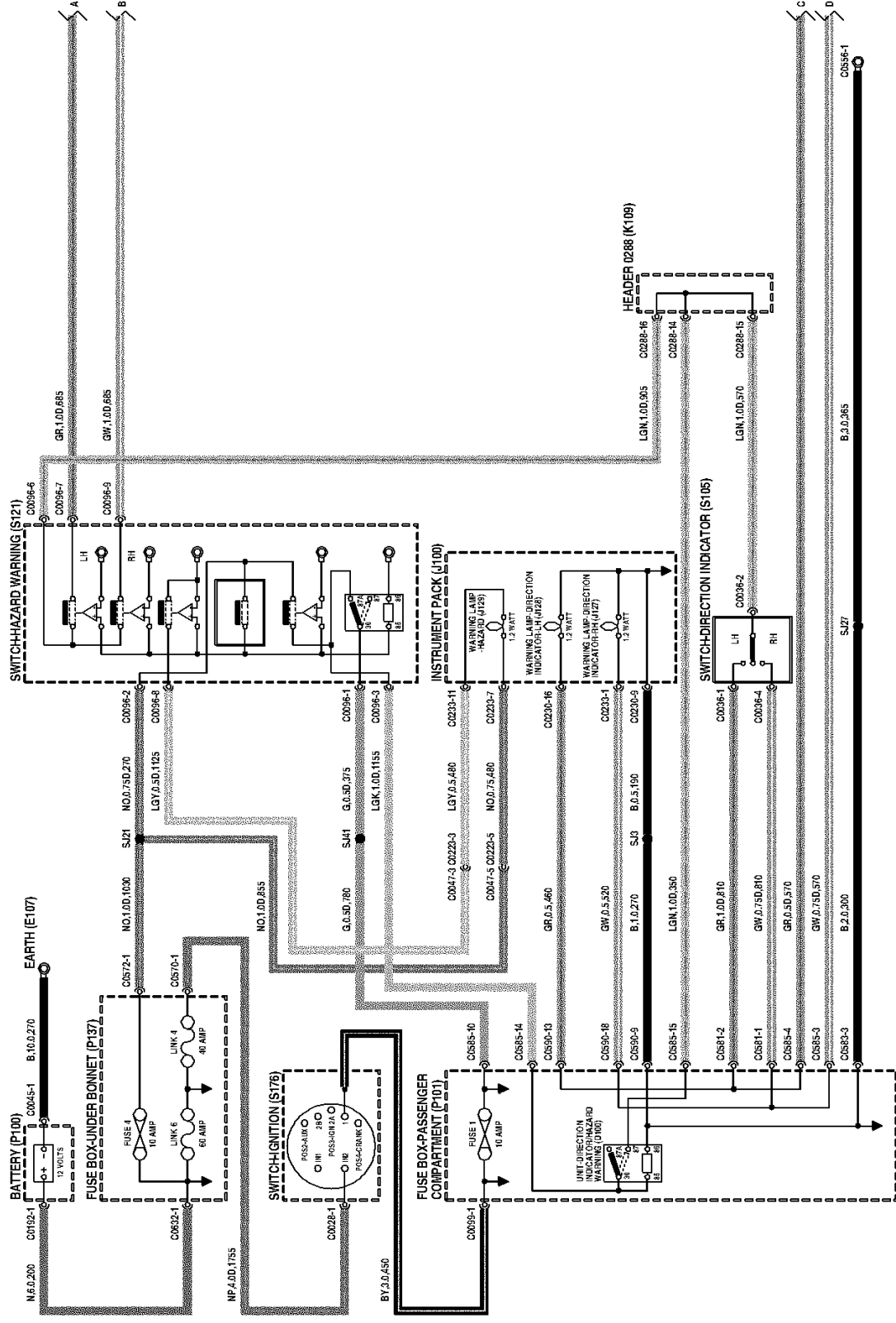
VWR11462-042

EXTERIOR LAMPS REAR FOG LAMPS



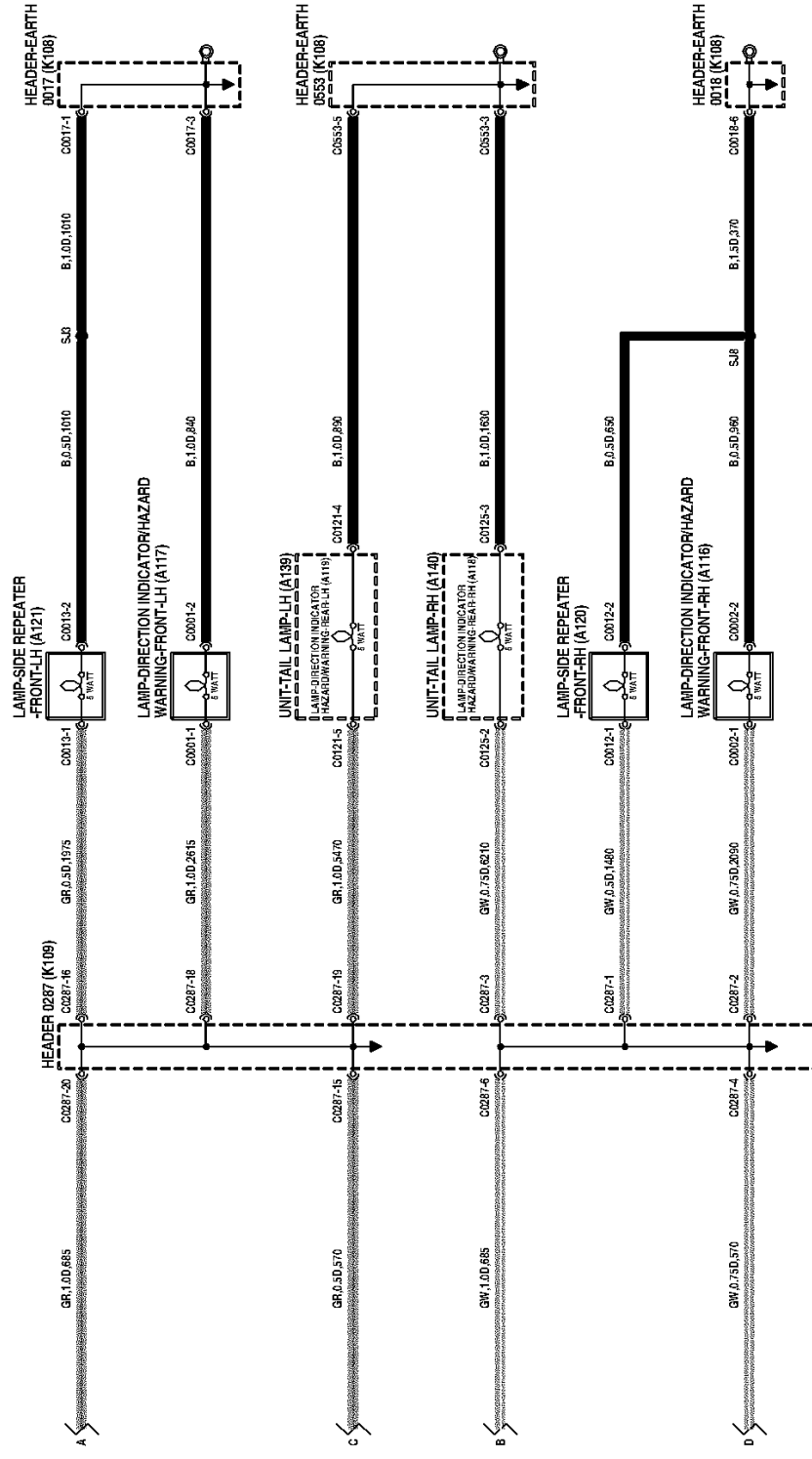
VWVF15440-101

EXTERIOR LAMPS **DIRECTION INDICATOR/HAZARD WARNING LAMPS**

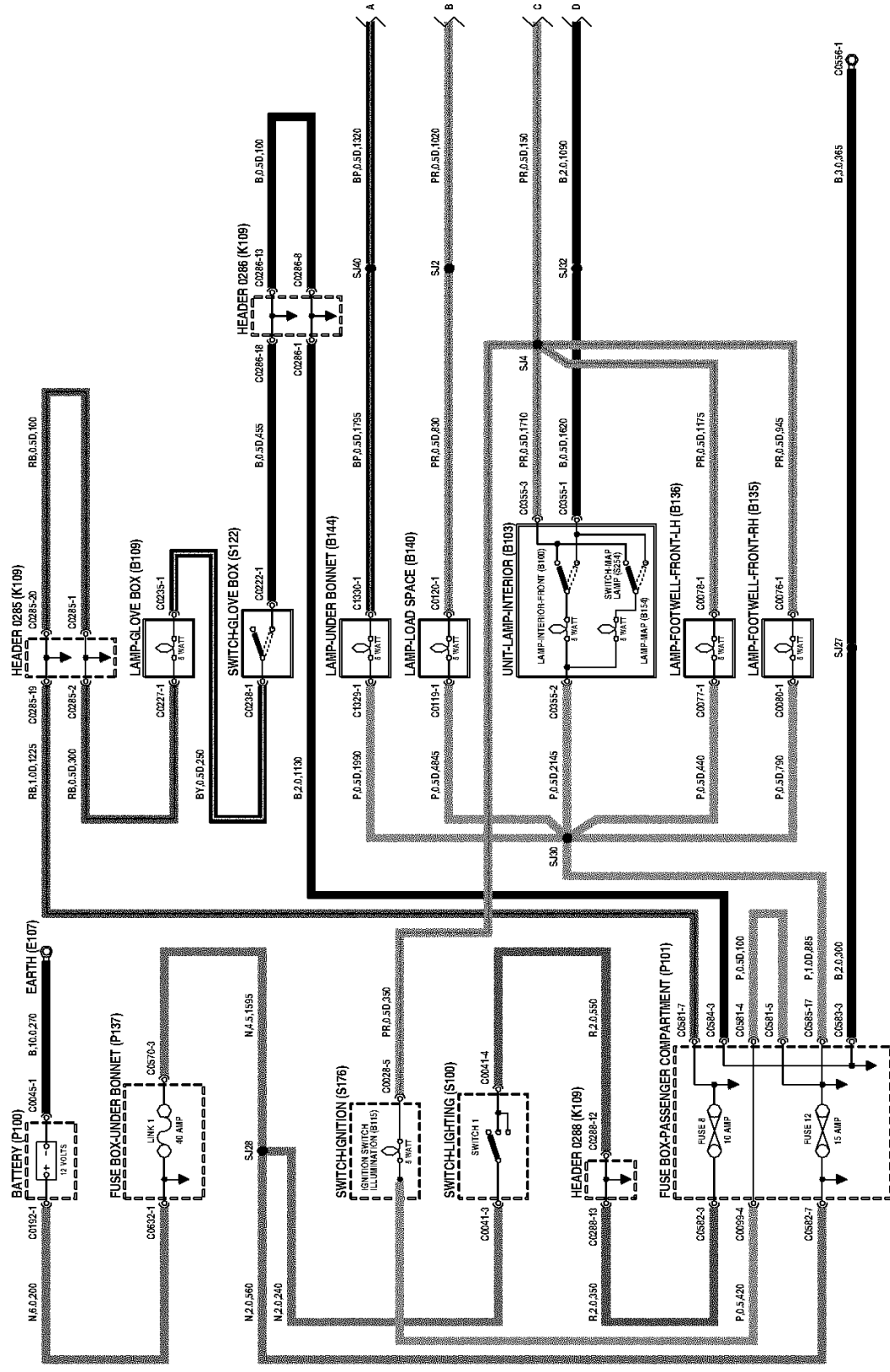


VW111500-102

EXTERIOR LAMPS

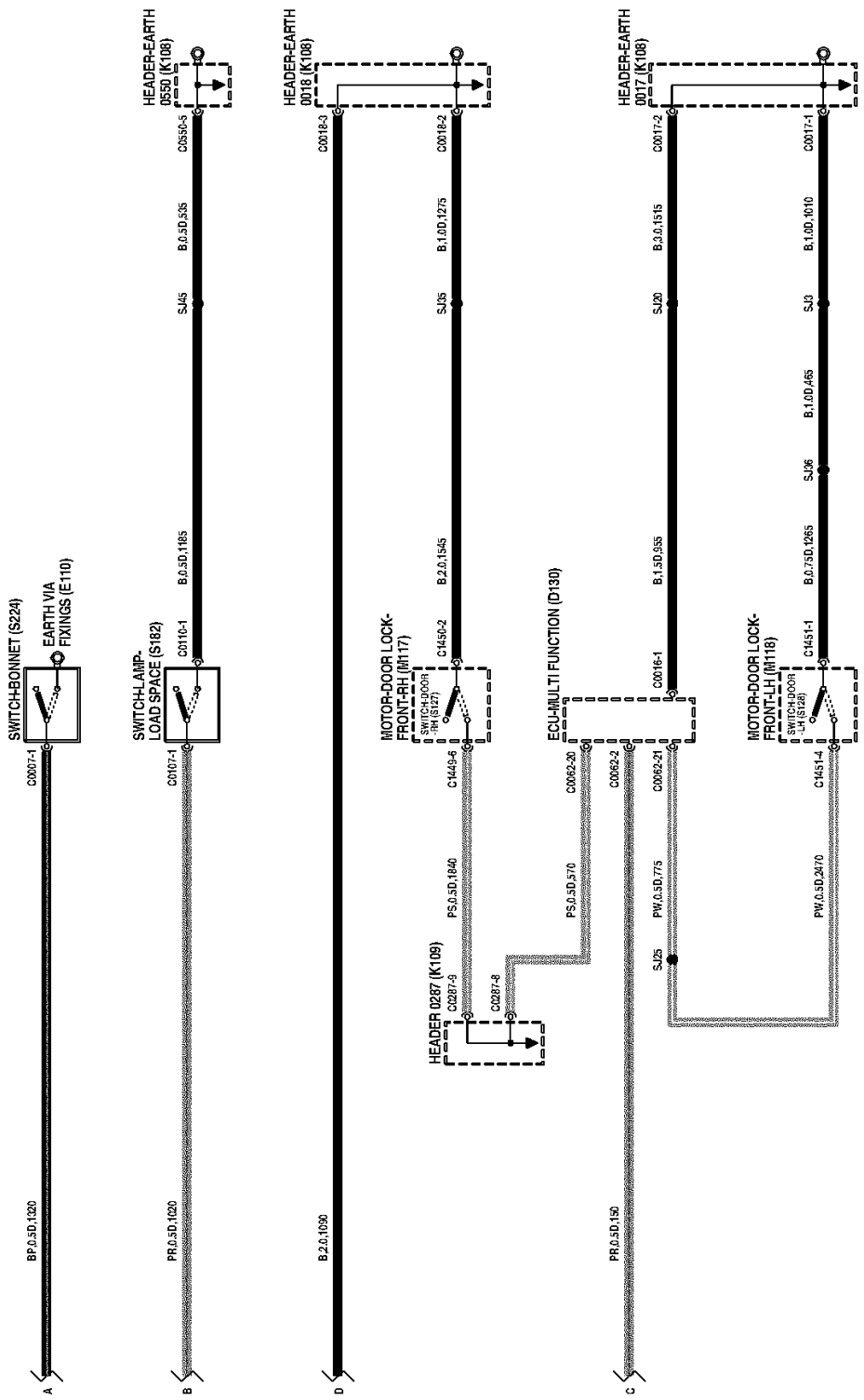


INTERIOR LAMPS



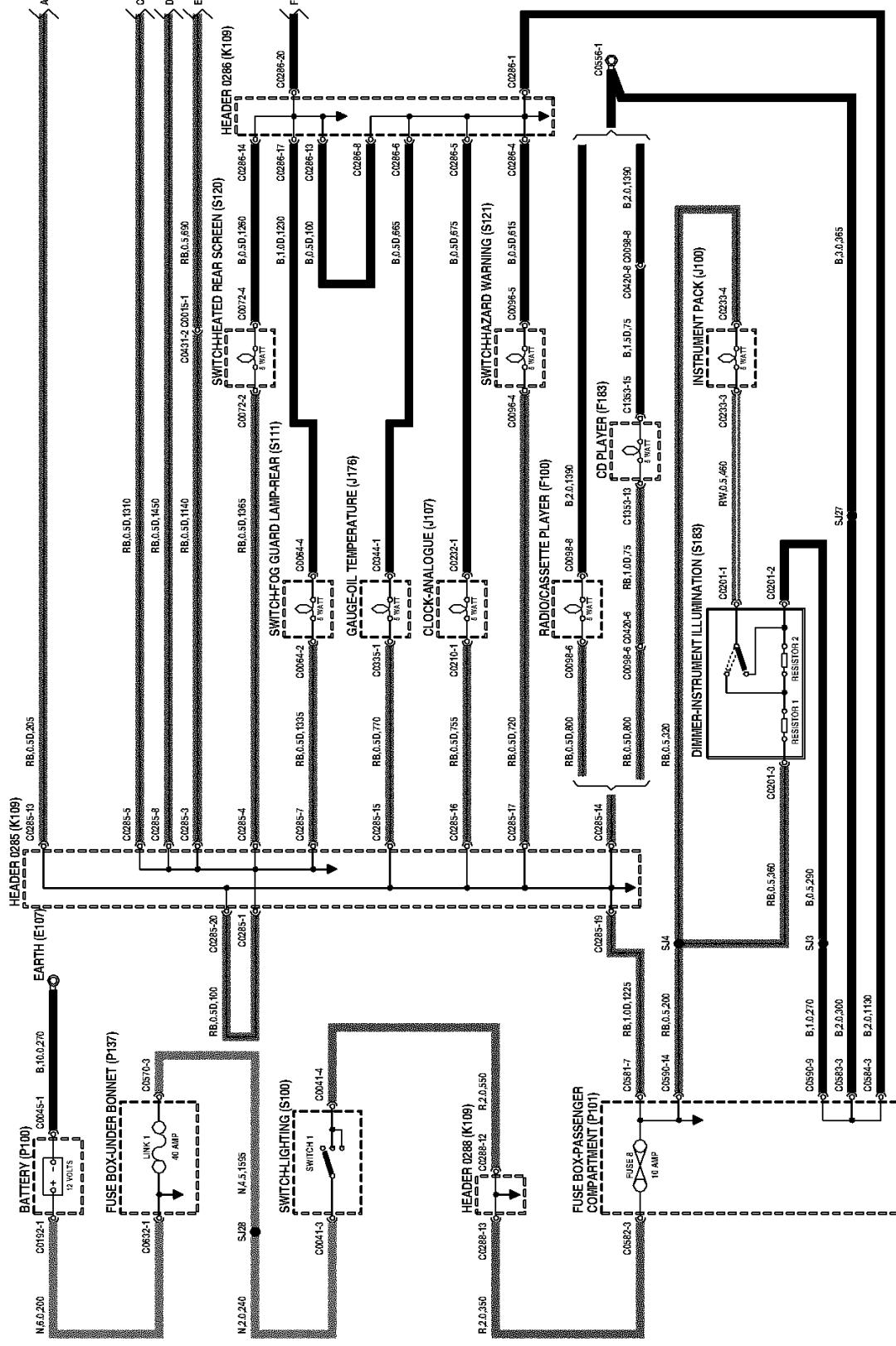
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INTERIOR LAMPS



VPR115710-0-02

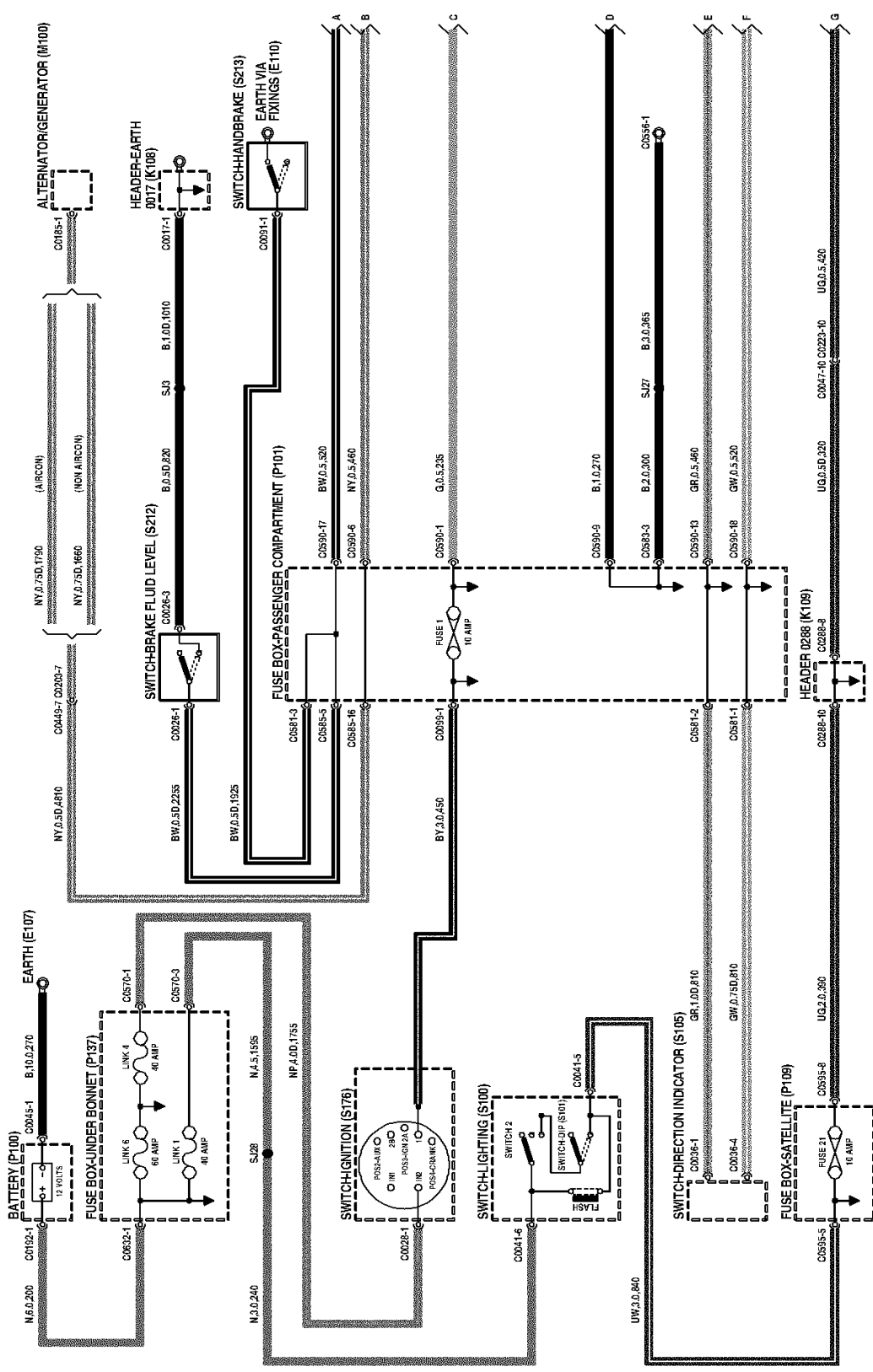
INTERIOR ILLUMINATION



VWRT1560-1-02



INSTRUMENTS



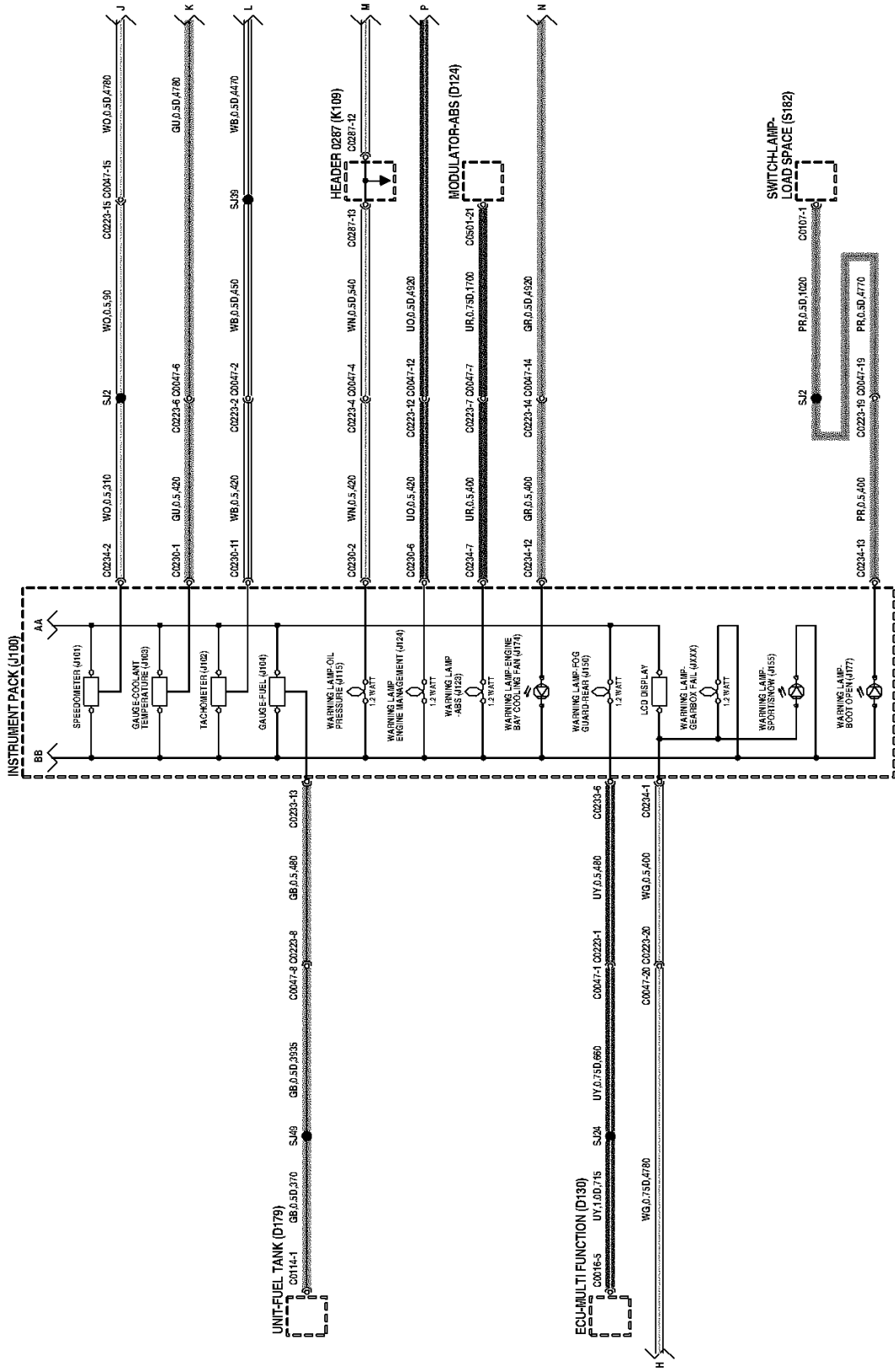
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INSTRUMENTS



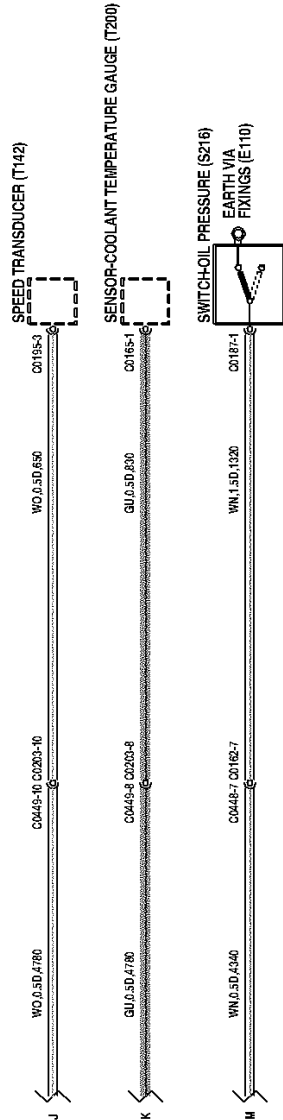
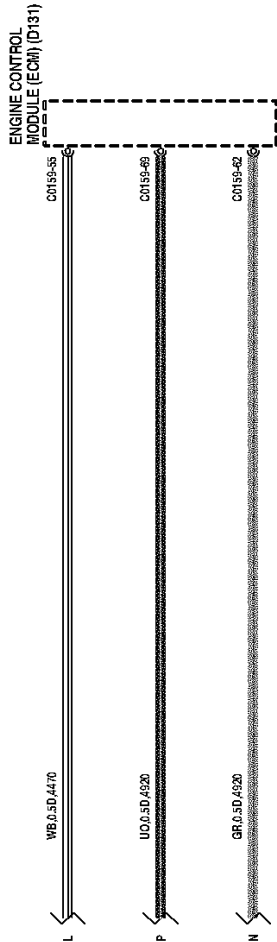
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INSTRUMENTS



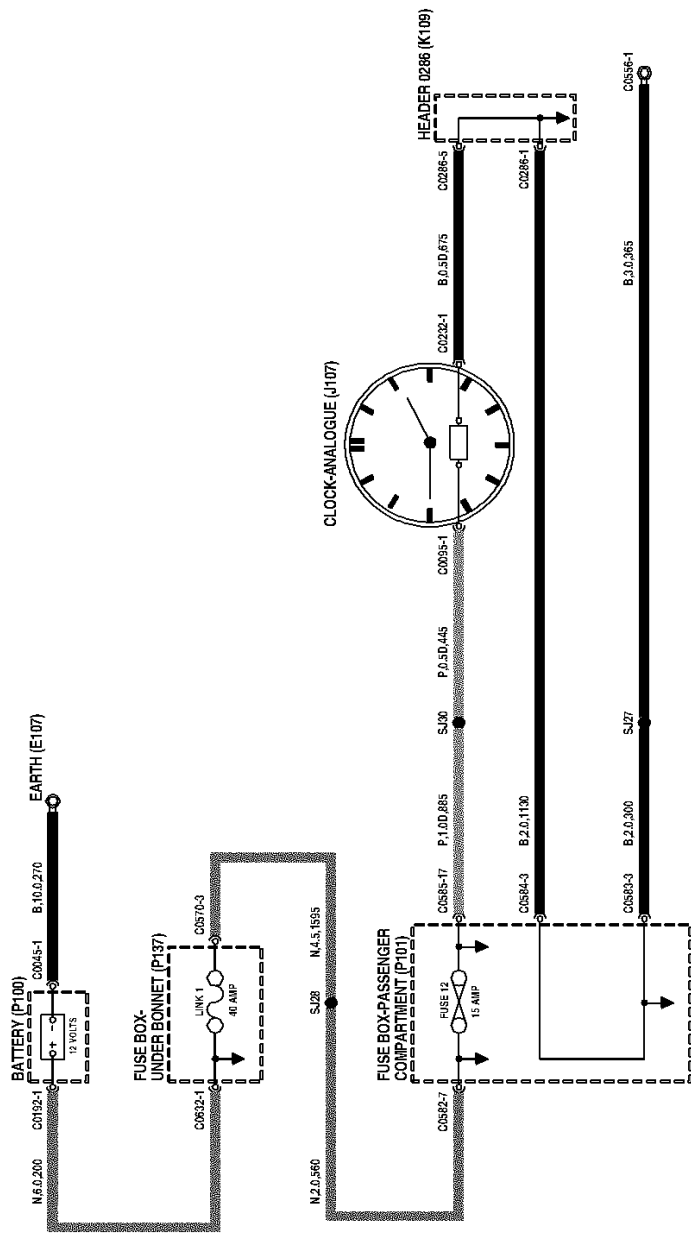
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INSTRUMENTS



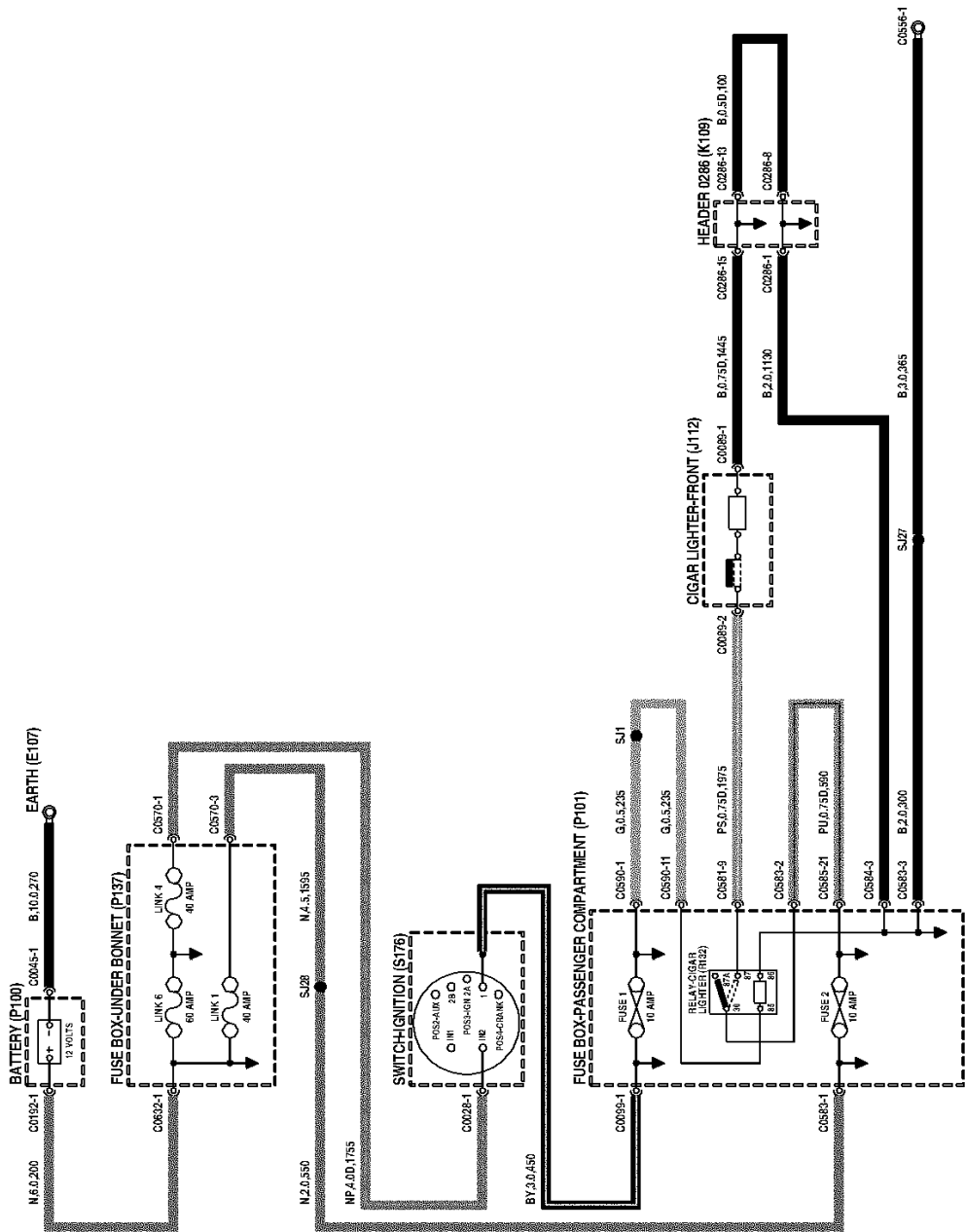
VWRT15C2P-404

CLOCK



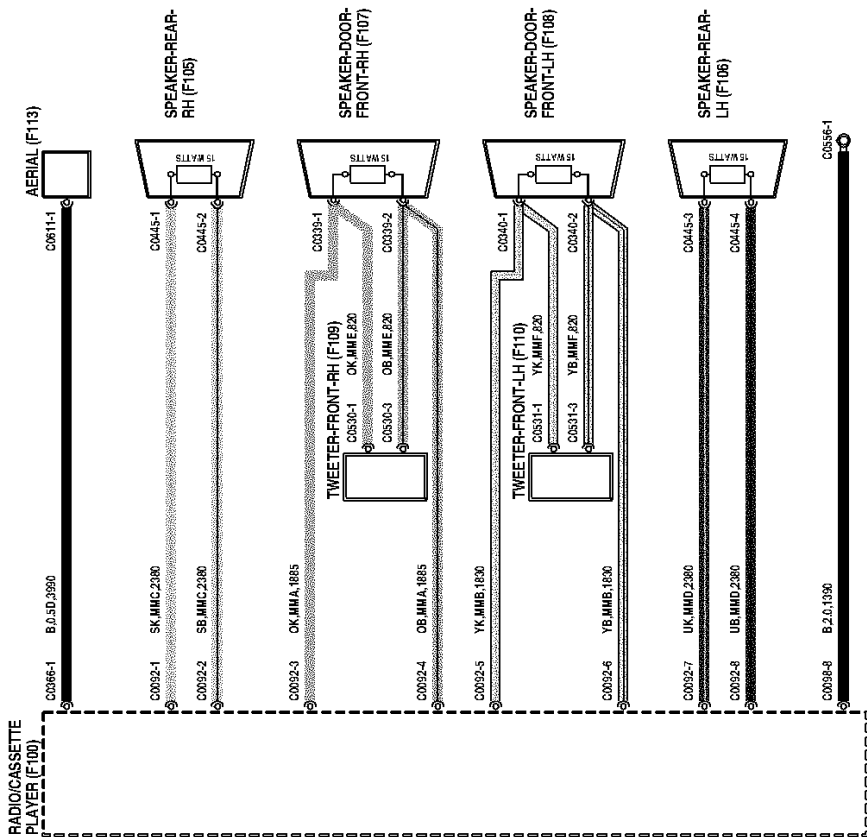
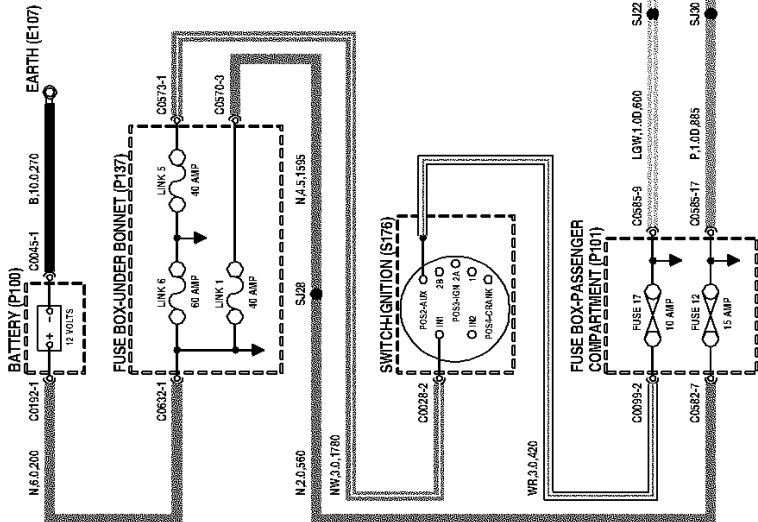
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CIGAR LIGHTER



WPR116200-1-01

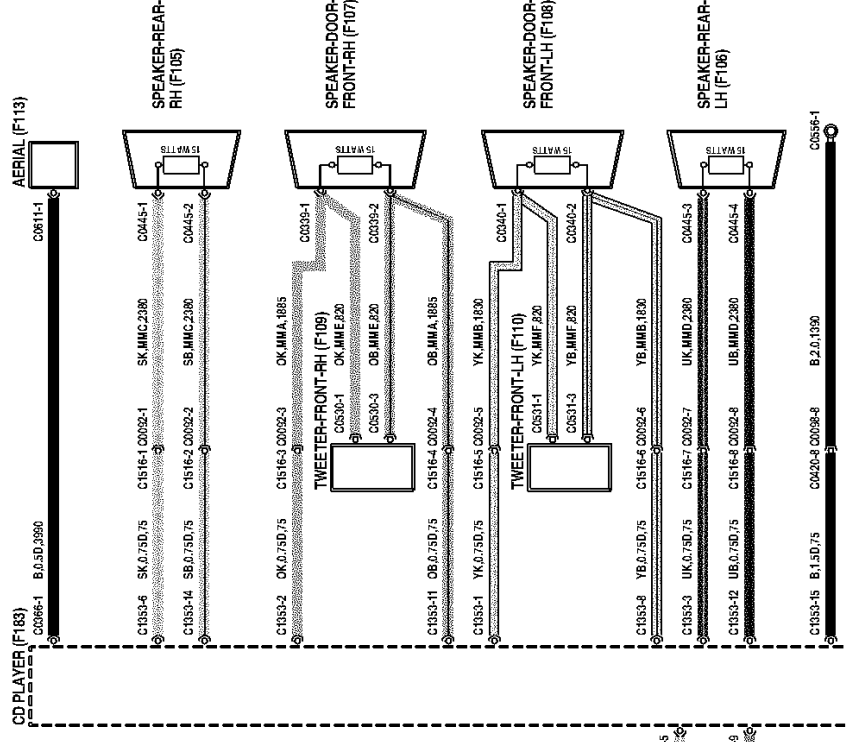
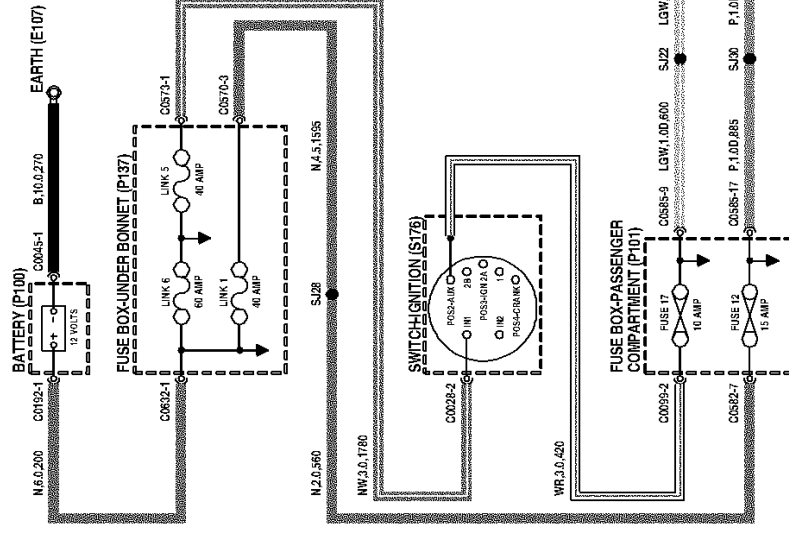
AUDIO SYSTEMS
RADIO/CASSETTE PLAYER



VWRT15508-101

AUDIO SYSTEMS

CD PLAYER



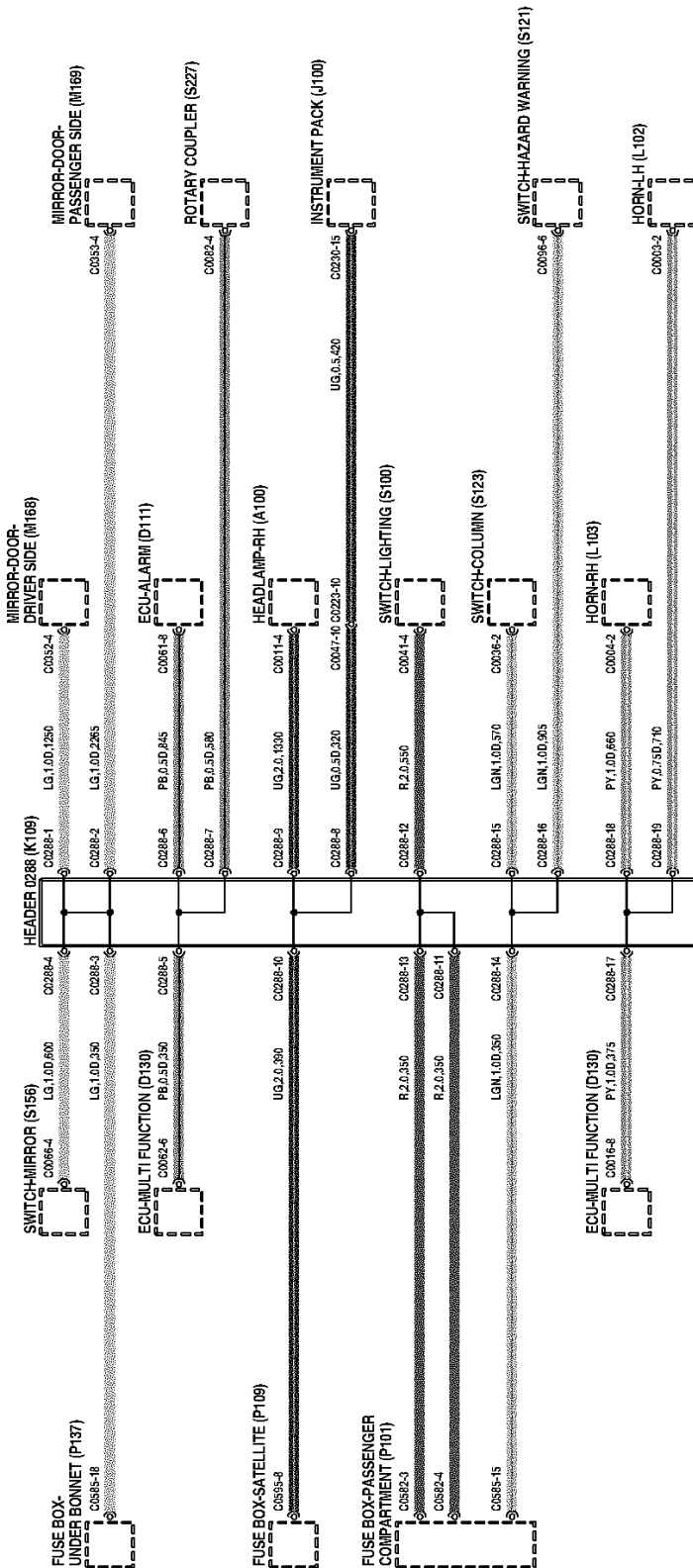
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MGF 2001 Model Year (RHD)



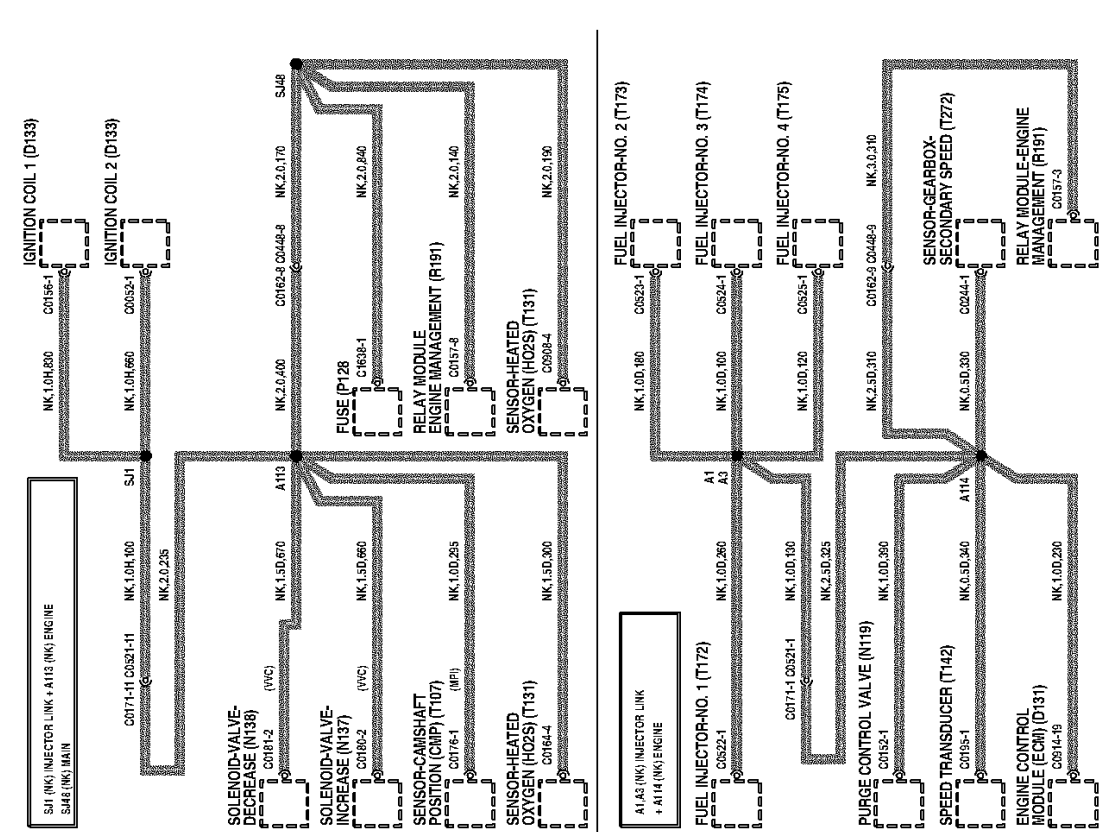
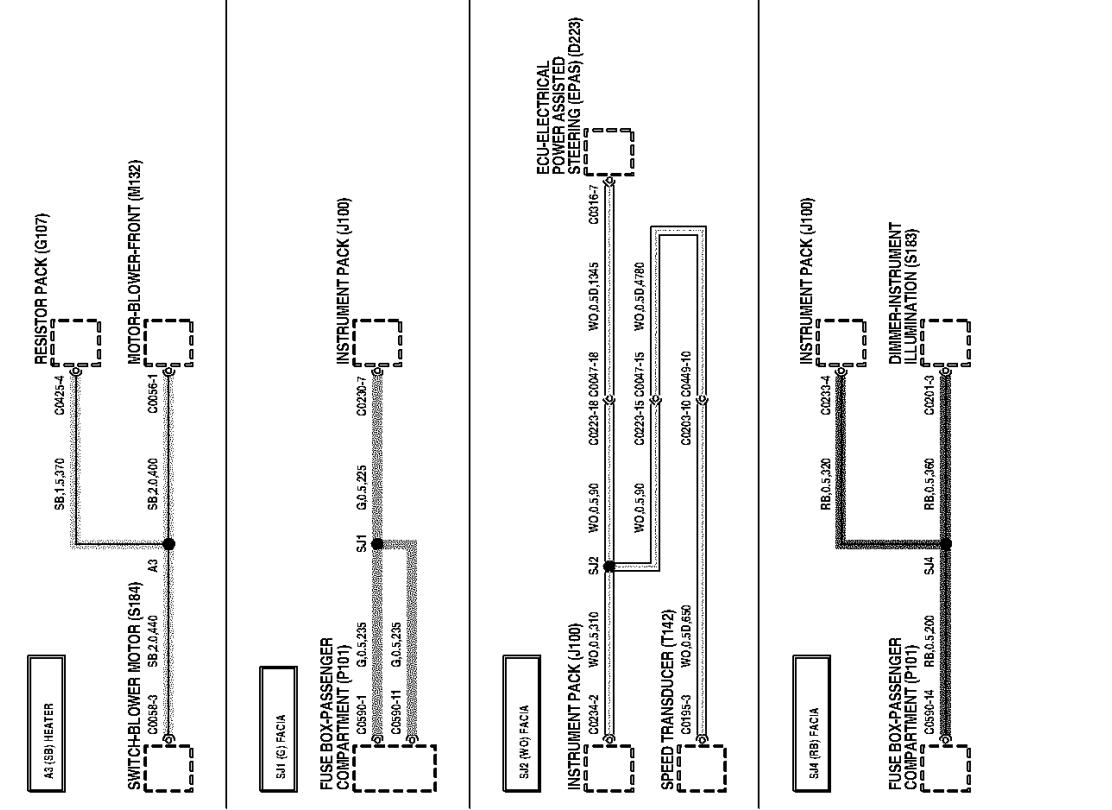


HEADER JOINTS



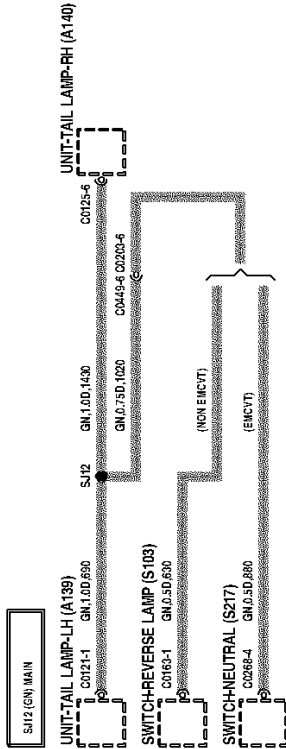
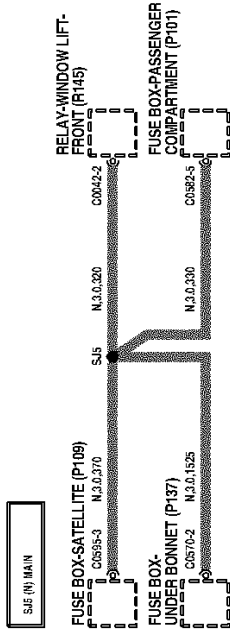
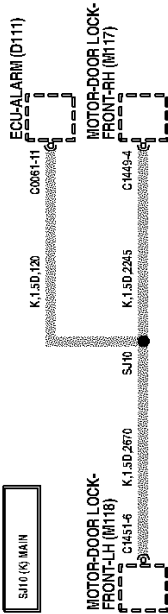
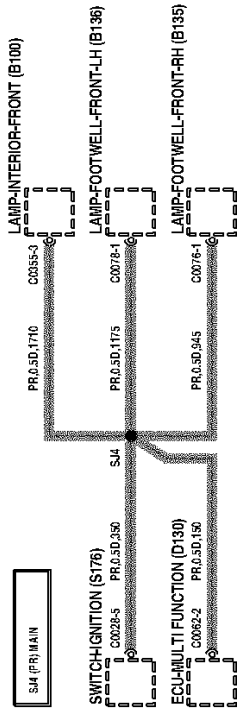
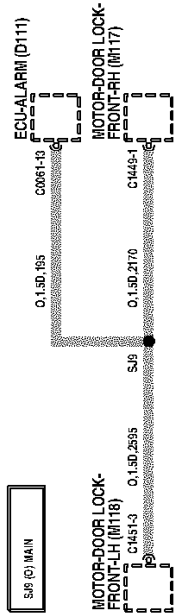
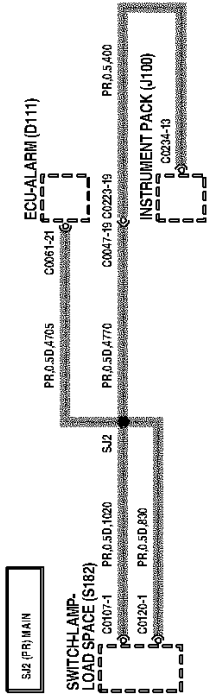
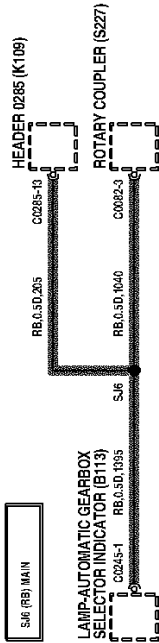
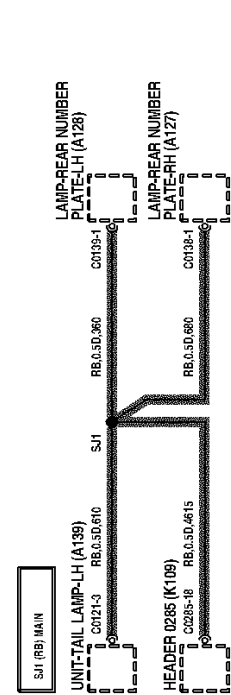
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SPLICES AND CENTRE TAPS



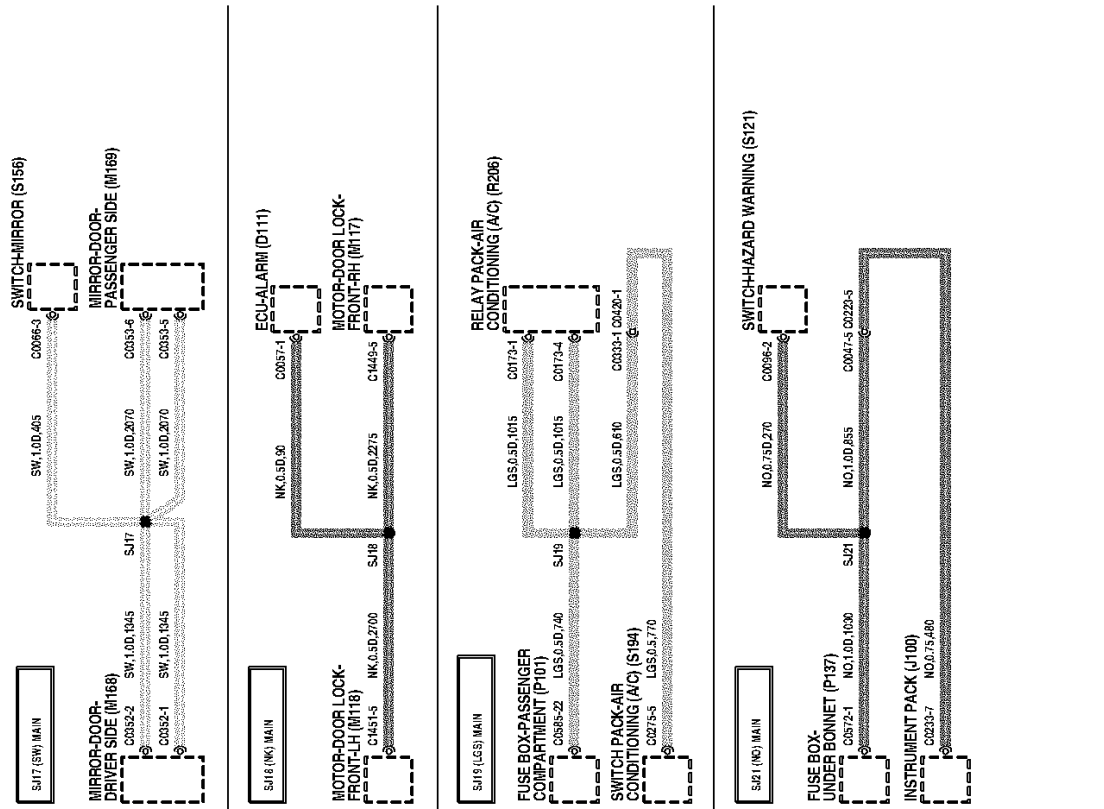
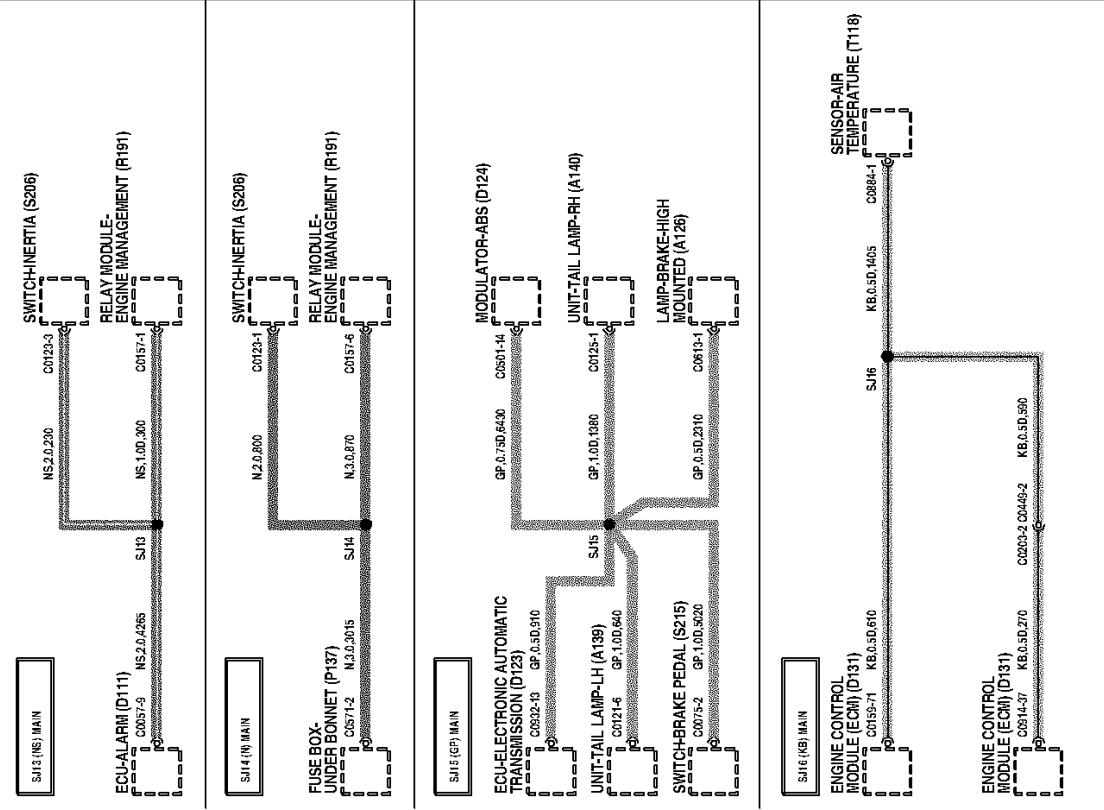
VPR1115200-105

SPLICES AND CENTRE TAPS



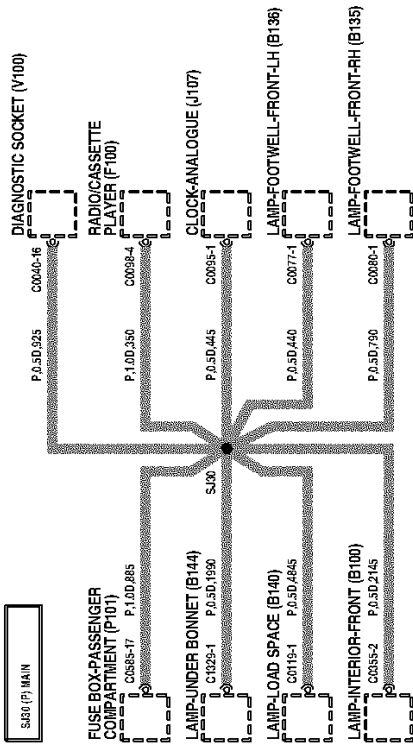
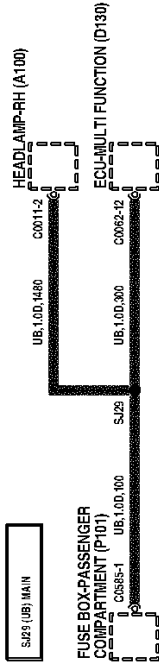
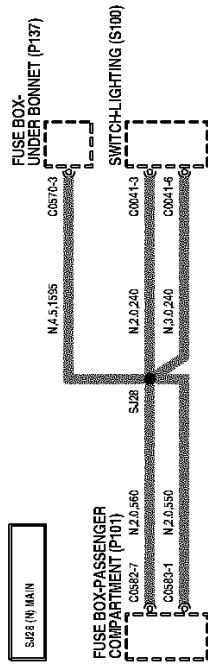
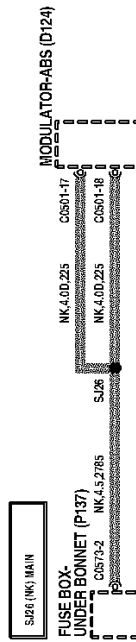
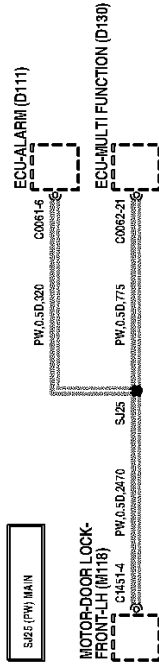
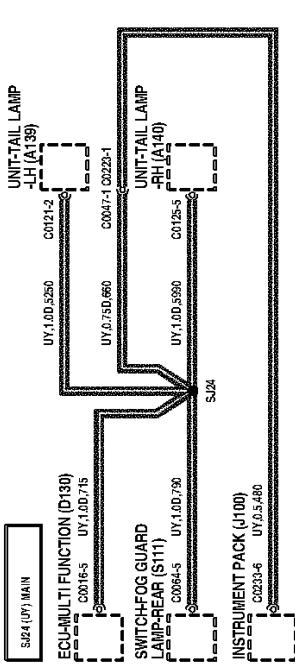
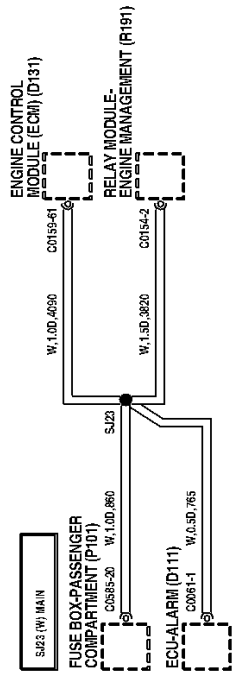
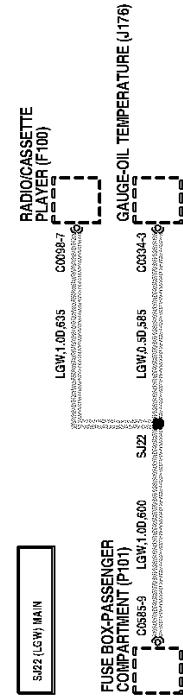
VWPR118502-0-05

SPLICES AND CENTRE TAPS



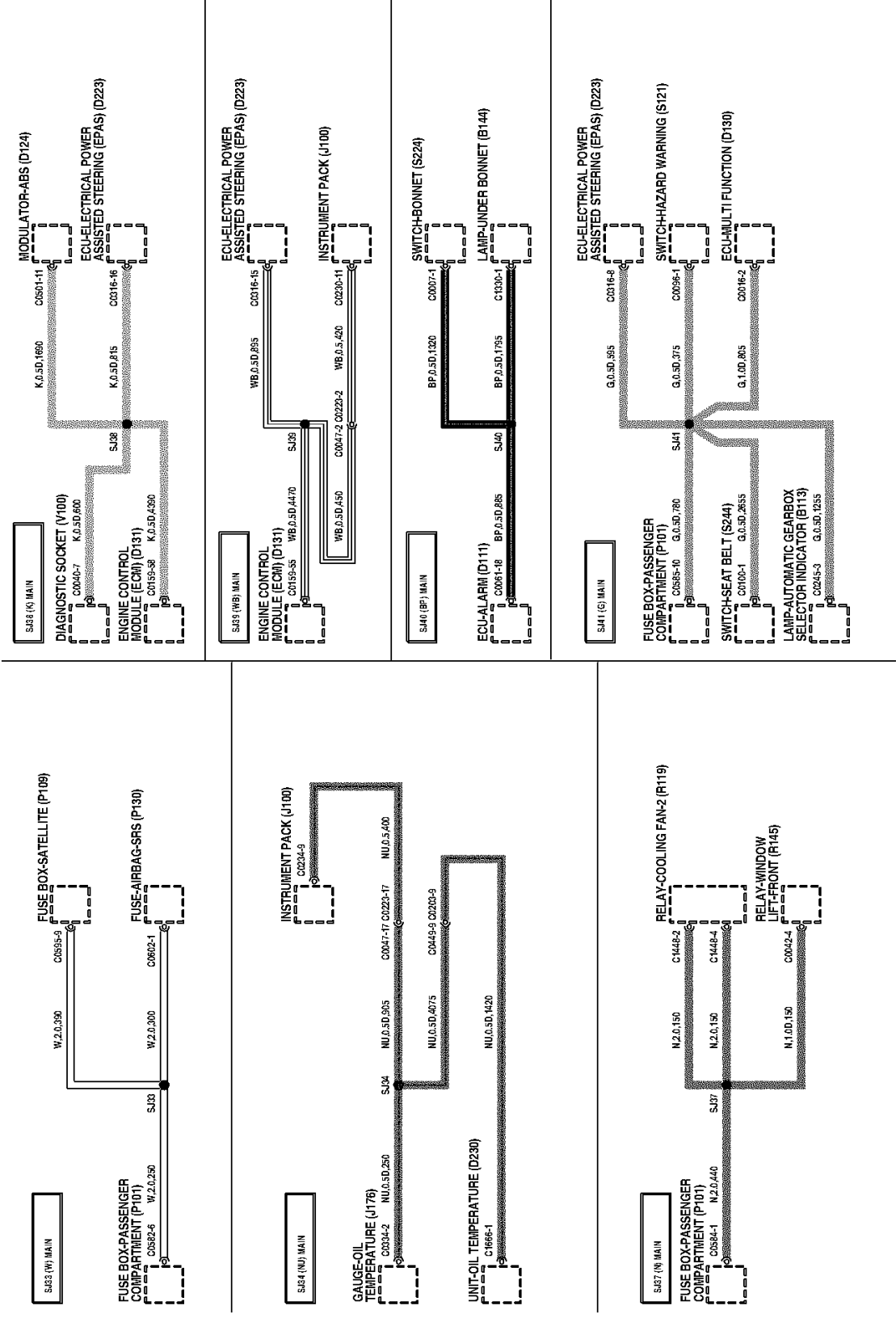
VWPR118500-3-05

SPLICES AND CENTRE TAPS



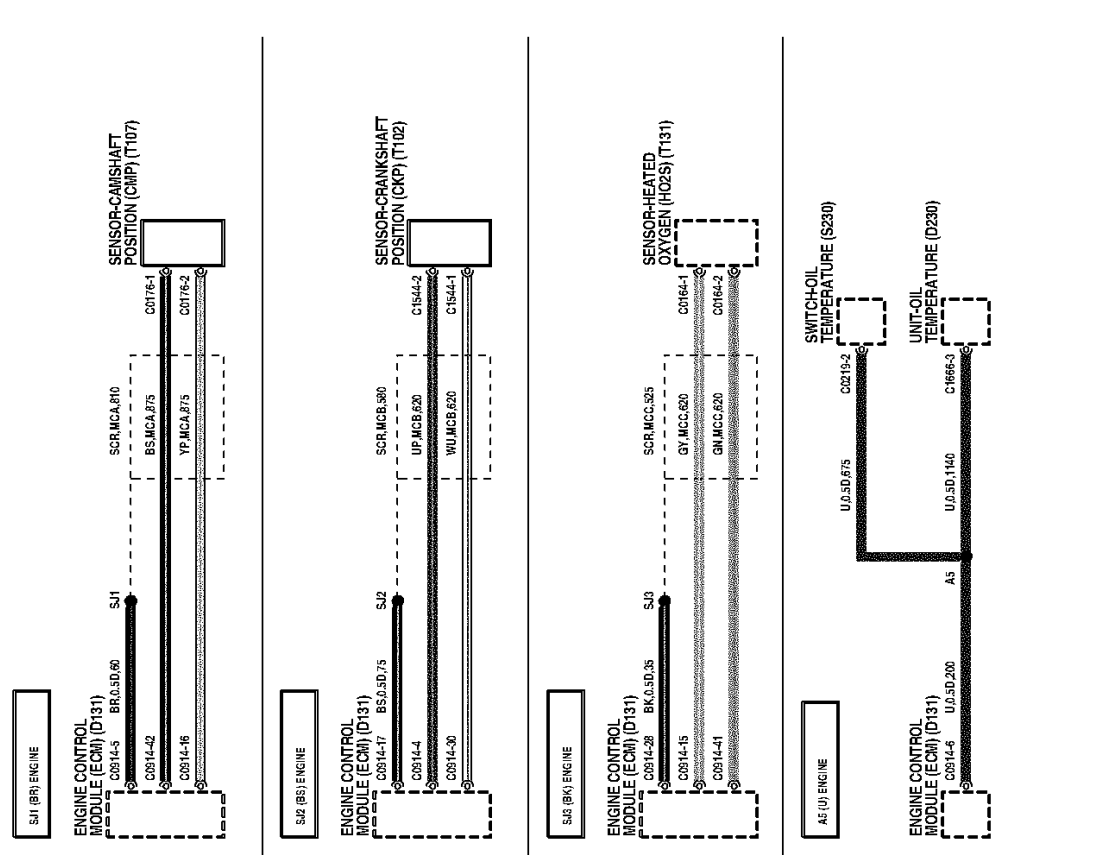
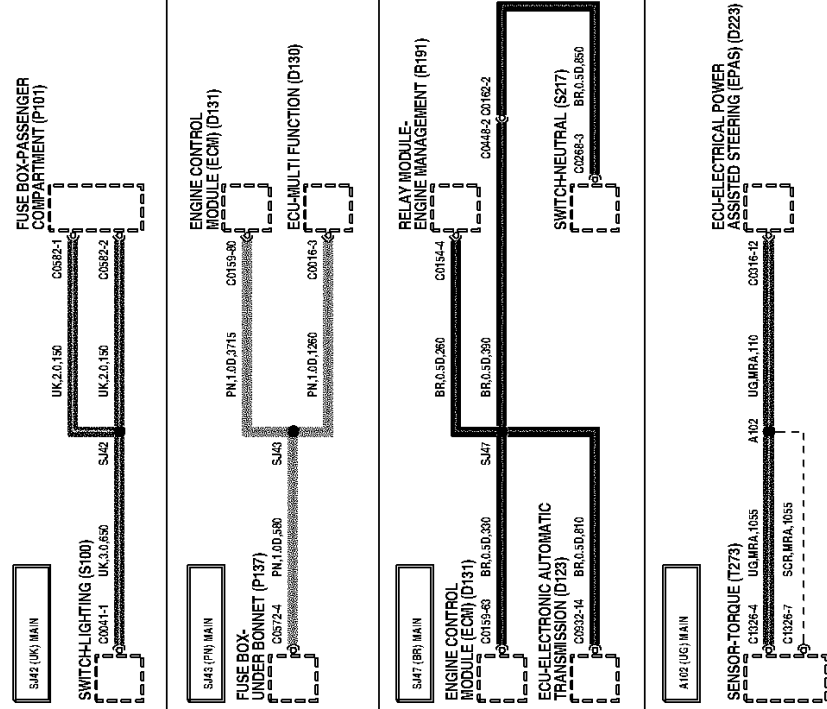
VWPR118502-4-05

SPLICES AND CENTRE TAPS



VWPR11850-5-06

SPICES AND CENTRE TAPS



VWPR118502-6-05