



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 0194ENG (3rd Edition)

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THE CIRCUITS CONTAINED WITHIN THIS PUBLICATION ARE ONLY VALID FOR VEHICLES WITH THE VIN NUMBERS SPECIFIED BELOW:

**Japan only - SAXXNNAXKBD 134455
All other vehicles - SAXXNNAZEBD 134455**

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 | 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 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 on TestBook.

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

Wiring between connectors and components shown in the diagrams represents the actual wiring as it exists on the vehicle. A chart is provided, giving colour codes for the wiring colour identification.

Power Distribution

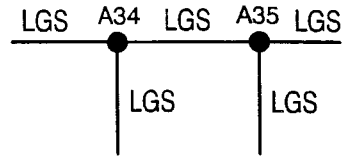
The Power Distribution diagram shows the connections from the battery to the engine and passenger compartment fuseboxes. It also shows the internal circuitry of both the passenger and engine compartment fuseboxes.

Earth Distribution

The earth distribution diagram shows the individual earth points and all the circuits affected by them.

SYMBOLS USED IN THE CIRCUIT DIAGRAMS

Wire colour



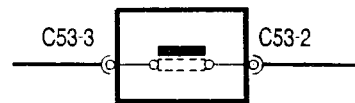
86M3823

Wire insulation is either all one colour, or is one predominant colour with a stripe in a second colour. Wire colours are identified by a letter code, the main colour is identified first. LG/S = Light green / Slate stripe.

Sealed joints

Each sealed joint is identified by a number with an alphabetical character prefix. These can be used to identify where a sealed joint appears on more than one circuit and assists in understanding the relationships between circuits.

Connectors



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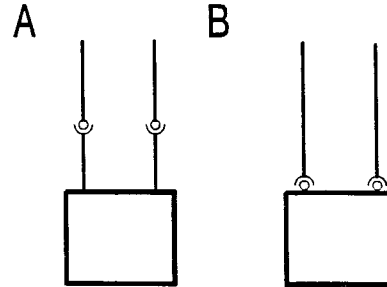
The connector number has two parts; the first part is the connector identifier i.e. C53, the second part is the pin number, i.e. C53-3 which indicates that the particular wire is connected to pin number 3. Should be used in conjunction with the Connector Detail section of the Electrical Reference Library.

Line types



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This means the wire connects to another circuit or component.

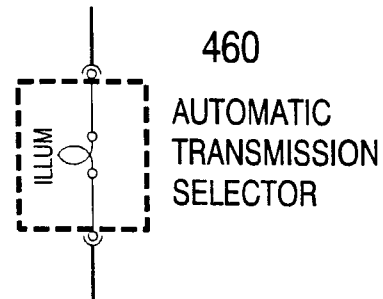


86M3826

Connector - Direction of the 'symbol' indicates male and female halves of connector.

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

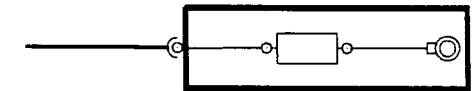
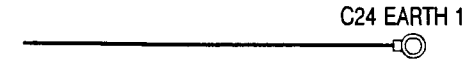
Components



86M3827

Name or description - appears next to the component.

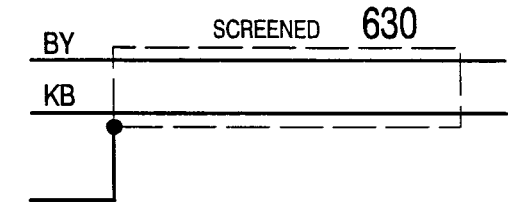
Earth points



EARTH VIA FIXING

86M3829

An eyelet symbol drawn within a box and without a connector number indicates that a component is earthed by its fixing. All other earth terminals are shown with a connector number, and these are either earth points or earth headers. The location of earth headers can be determined using the connector number and referring to the Earth Points and Headers section of the Electrical Reference Library.



86M3830

Identifies Radio Frequency Interference (RFI) shielded wire. The shielding is always connected to earth.

Fuses and Diodes

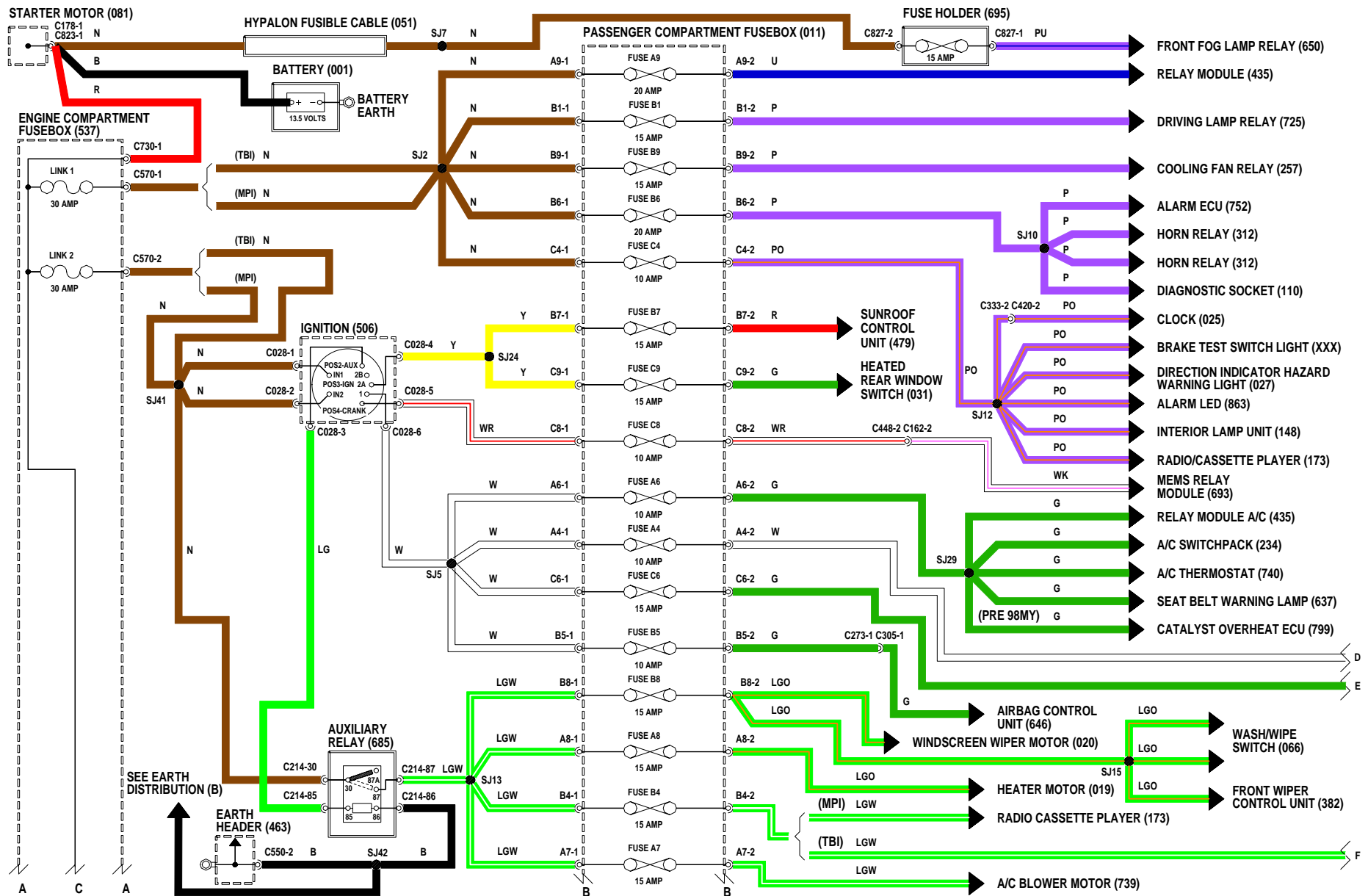


86M3831

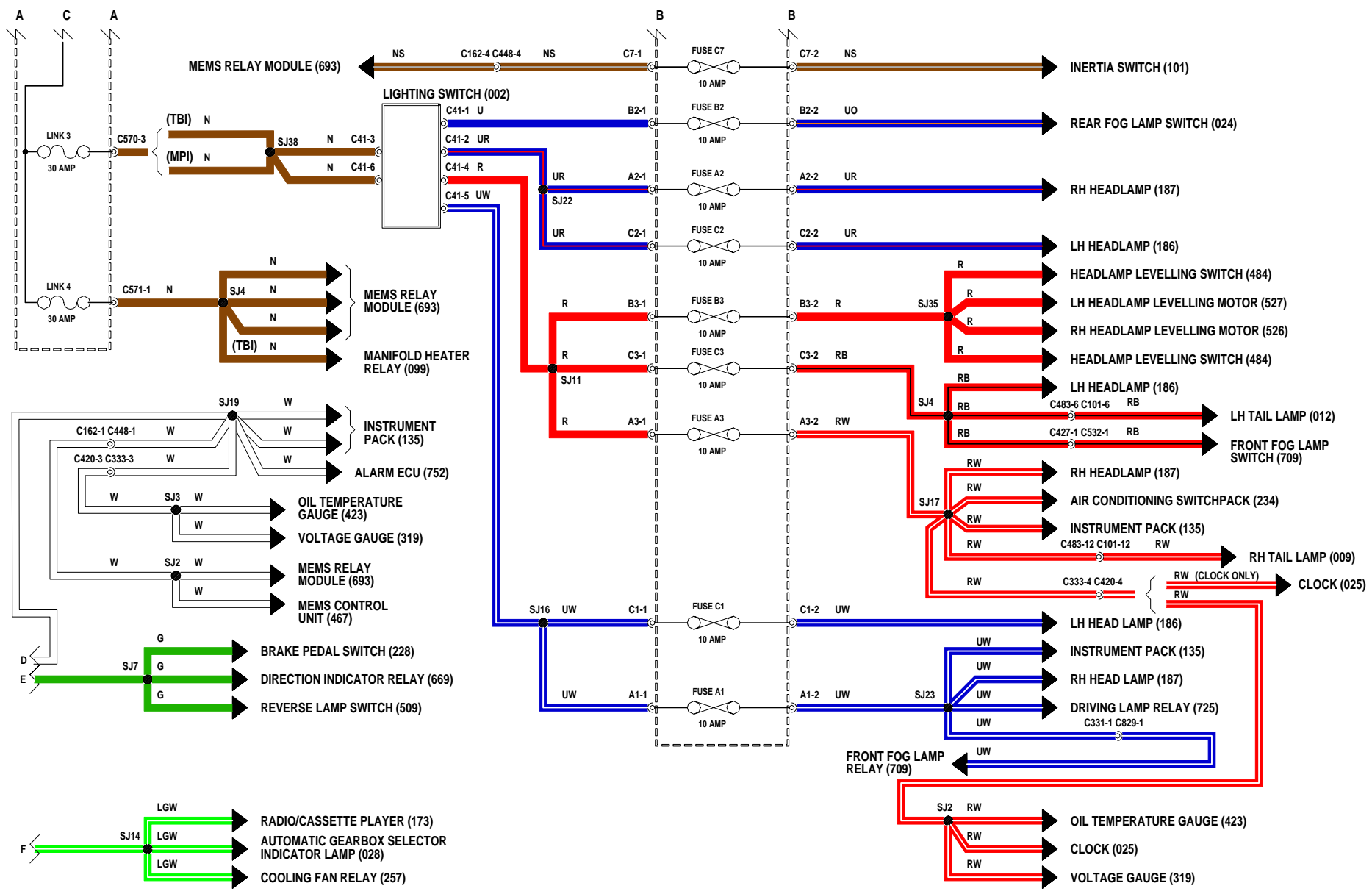
Fusible links (A) and current rated fuses (B) are drawn as shown.

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

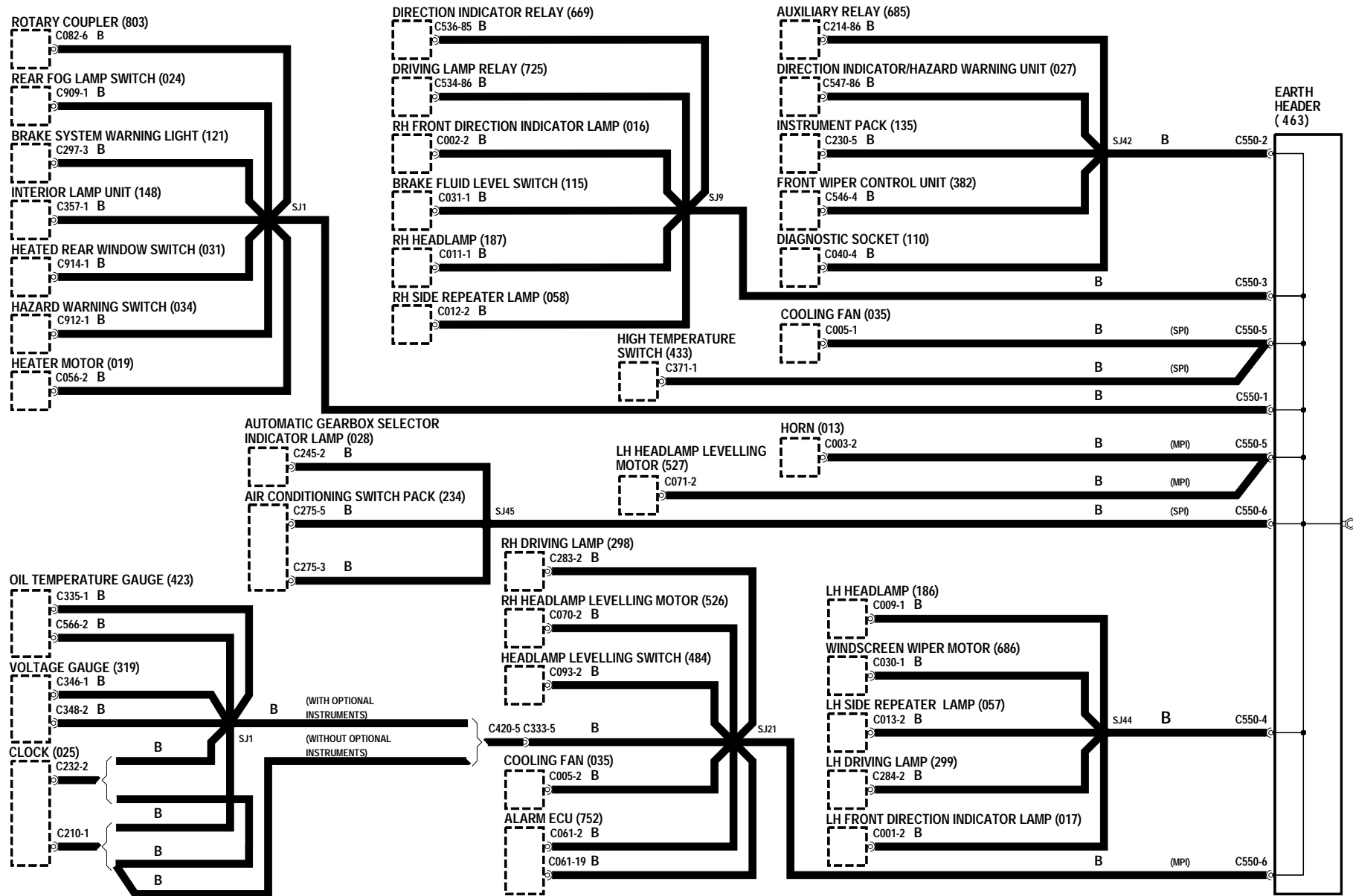
POWER DISTRIBUTION



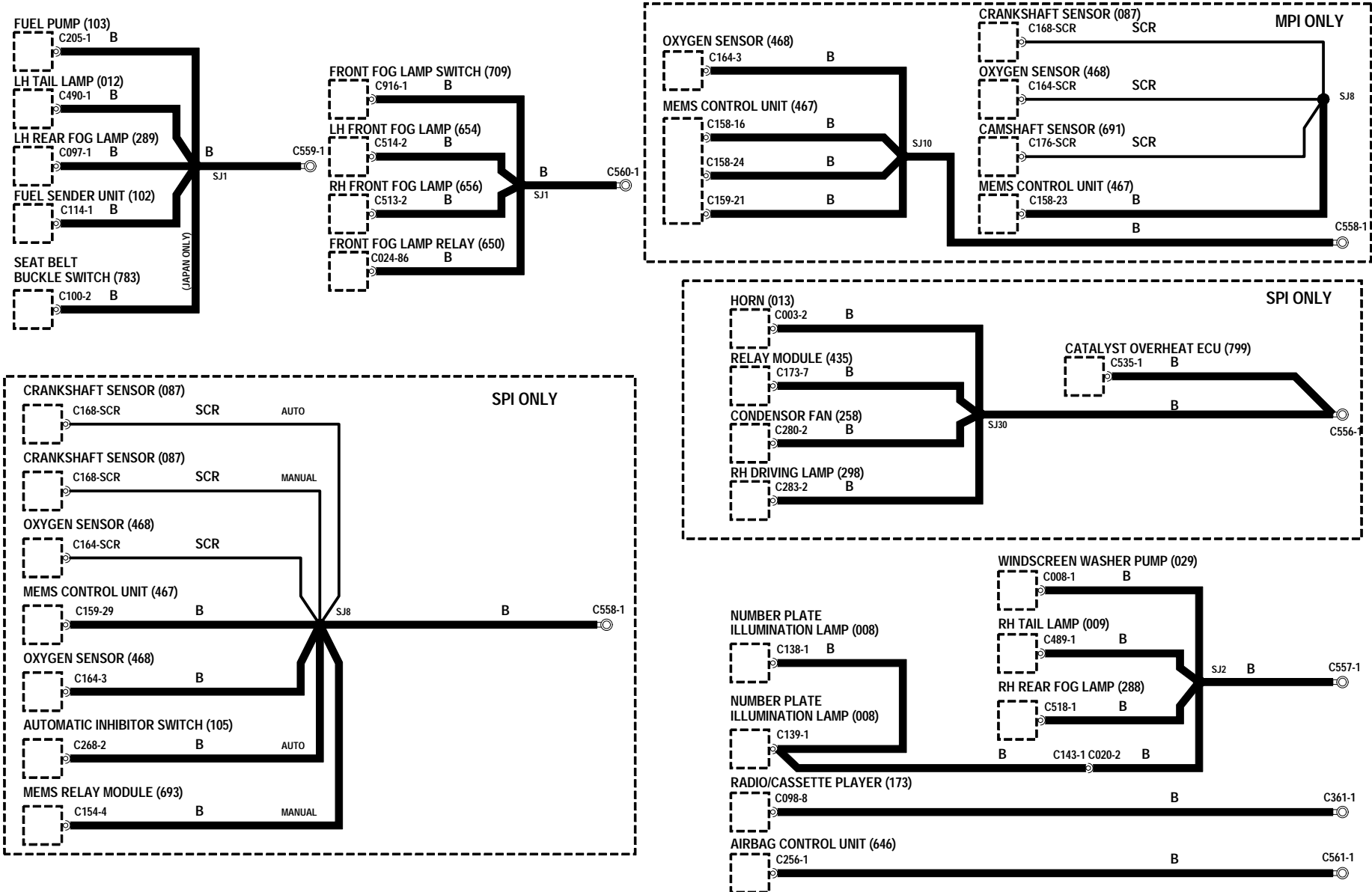
POWER DISTRIBUTION



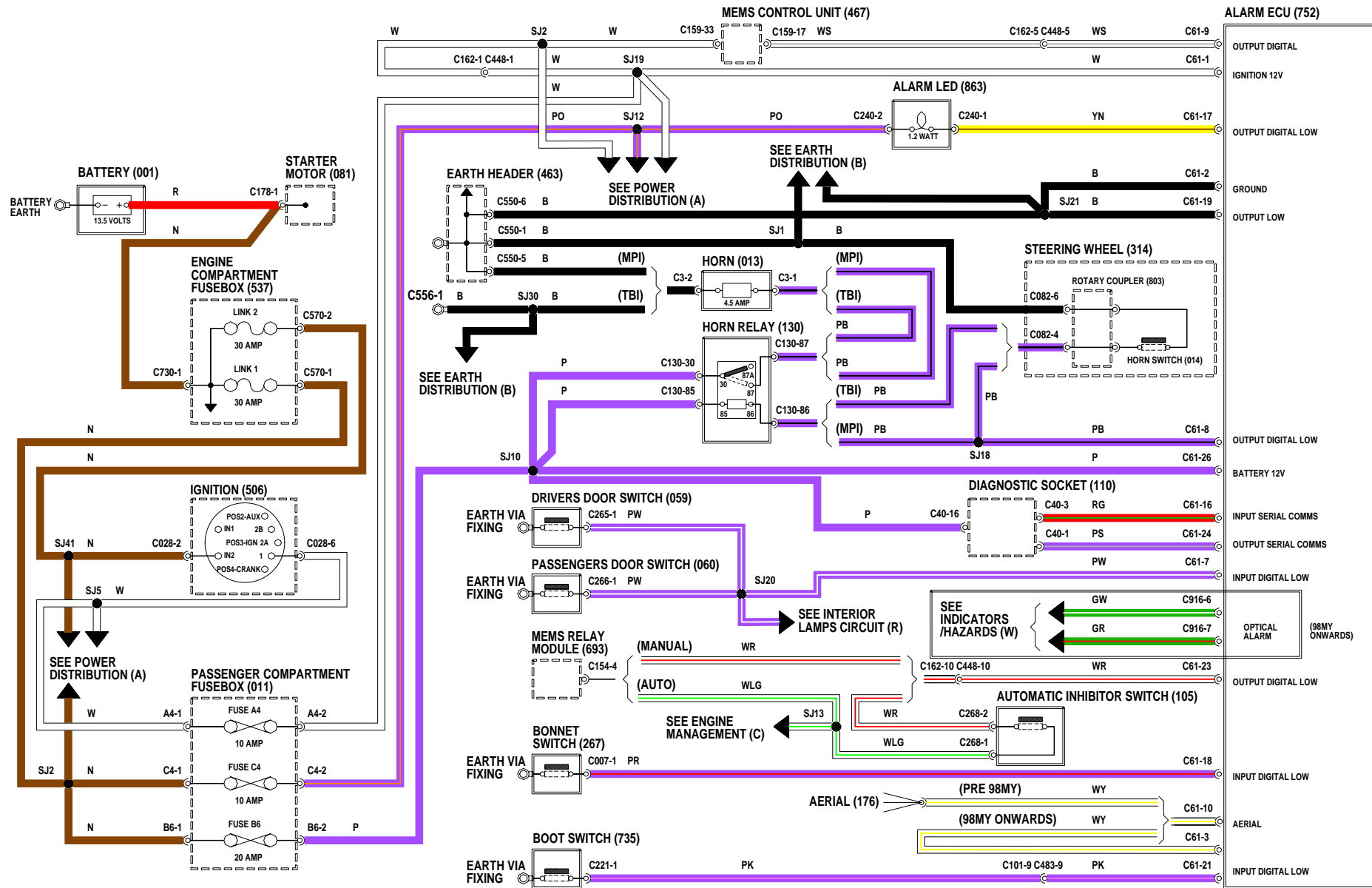
EARTH DISTRIBUTION



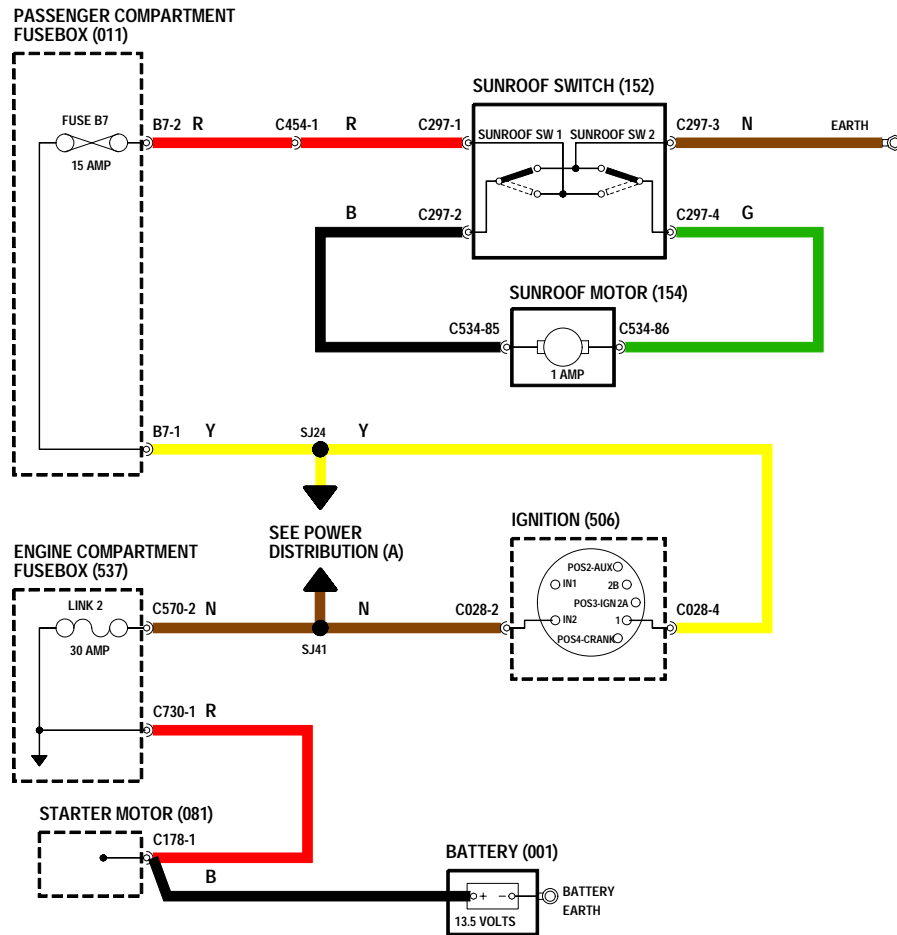
EARTH DISTRIBUTION



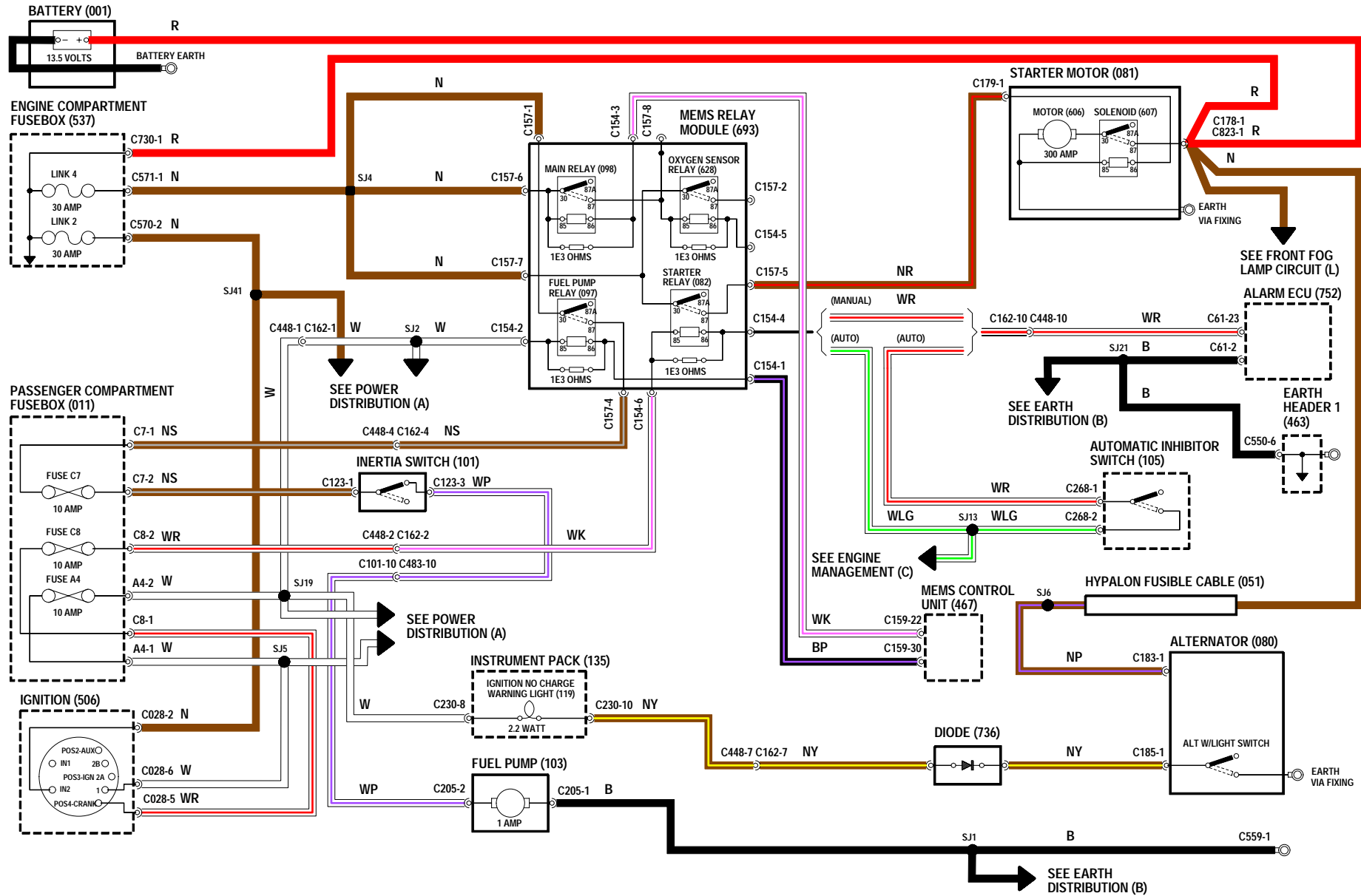
ANTI-THEFT ALARM AND HORN



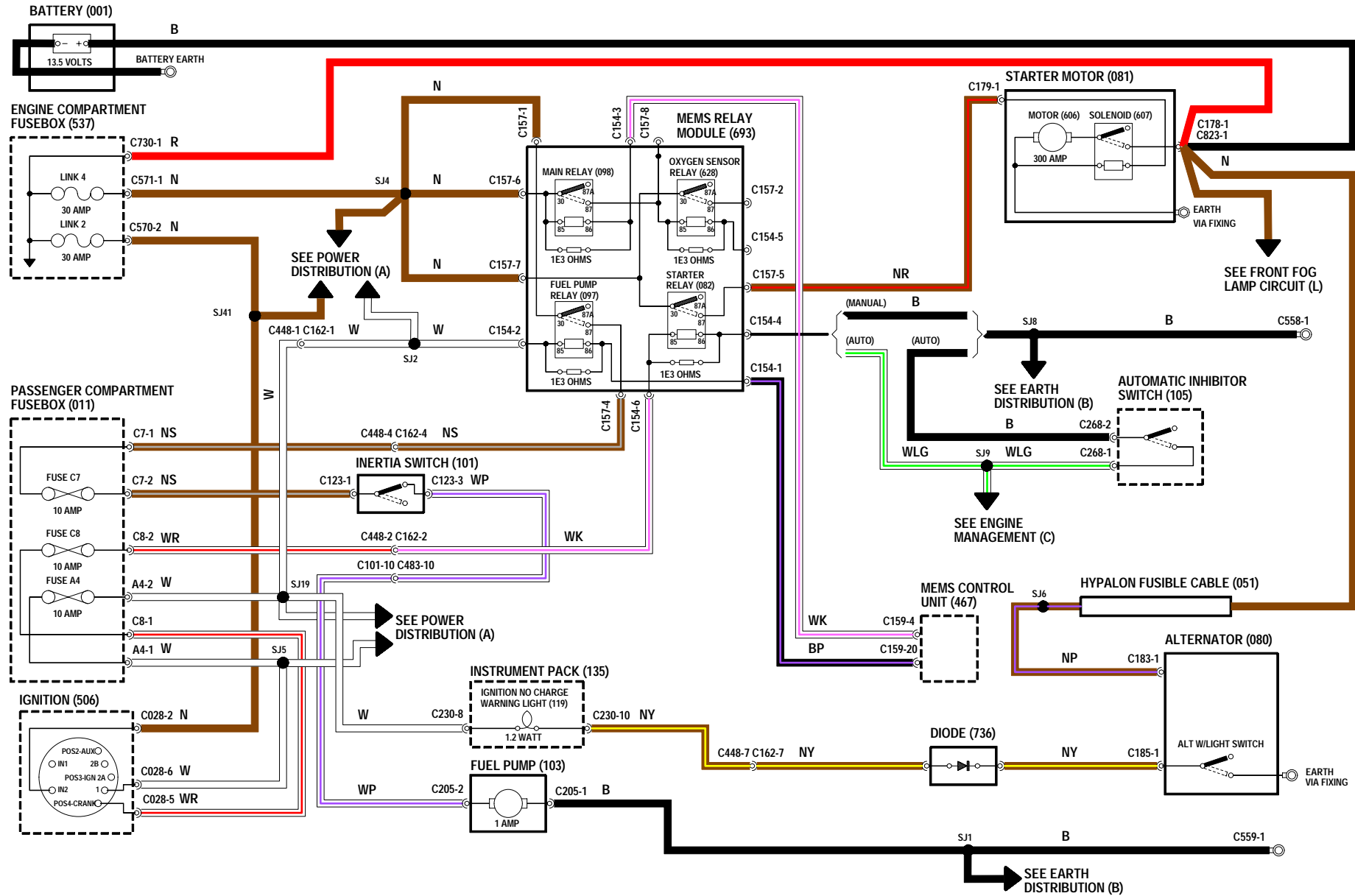
SUNROOF



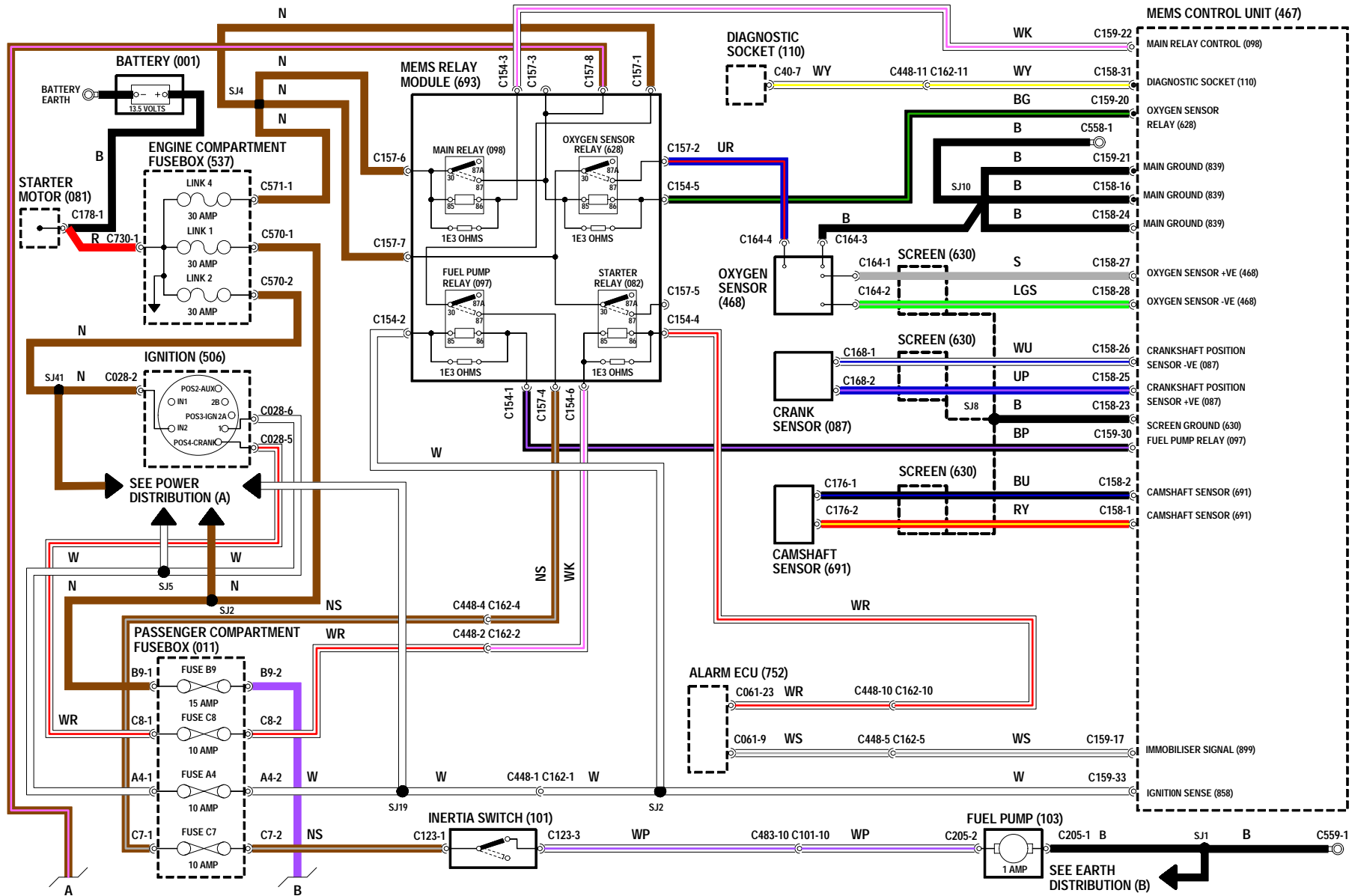
CHARGING AND STARTING MPI



CHARGING AND STARTING SPI (JAPAN)

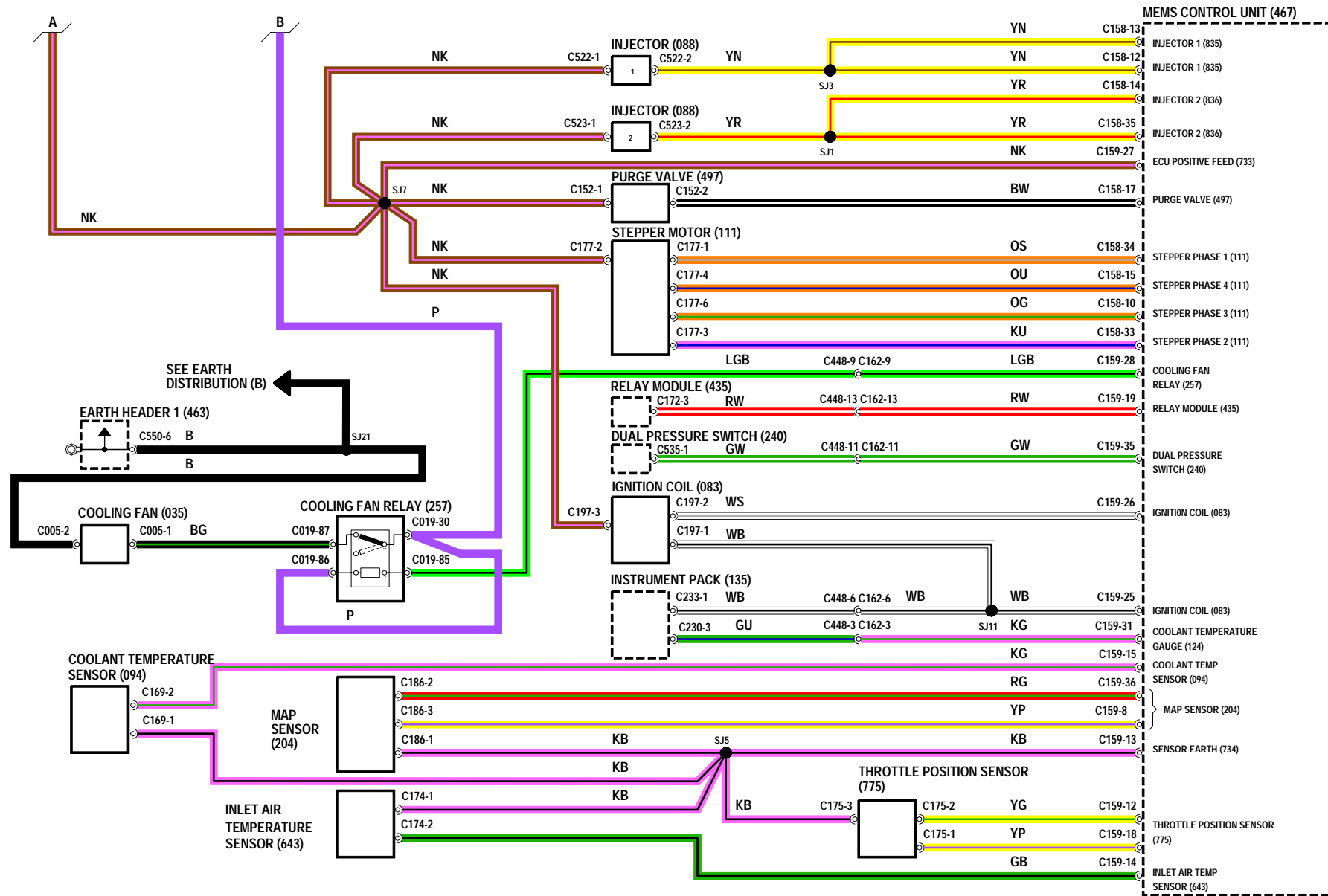


ENGINE MANAGEMENT SYSTEM (MEMS) MPI

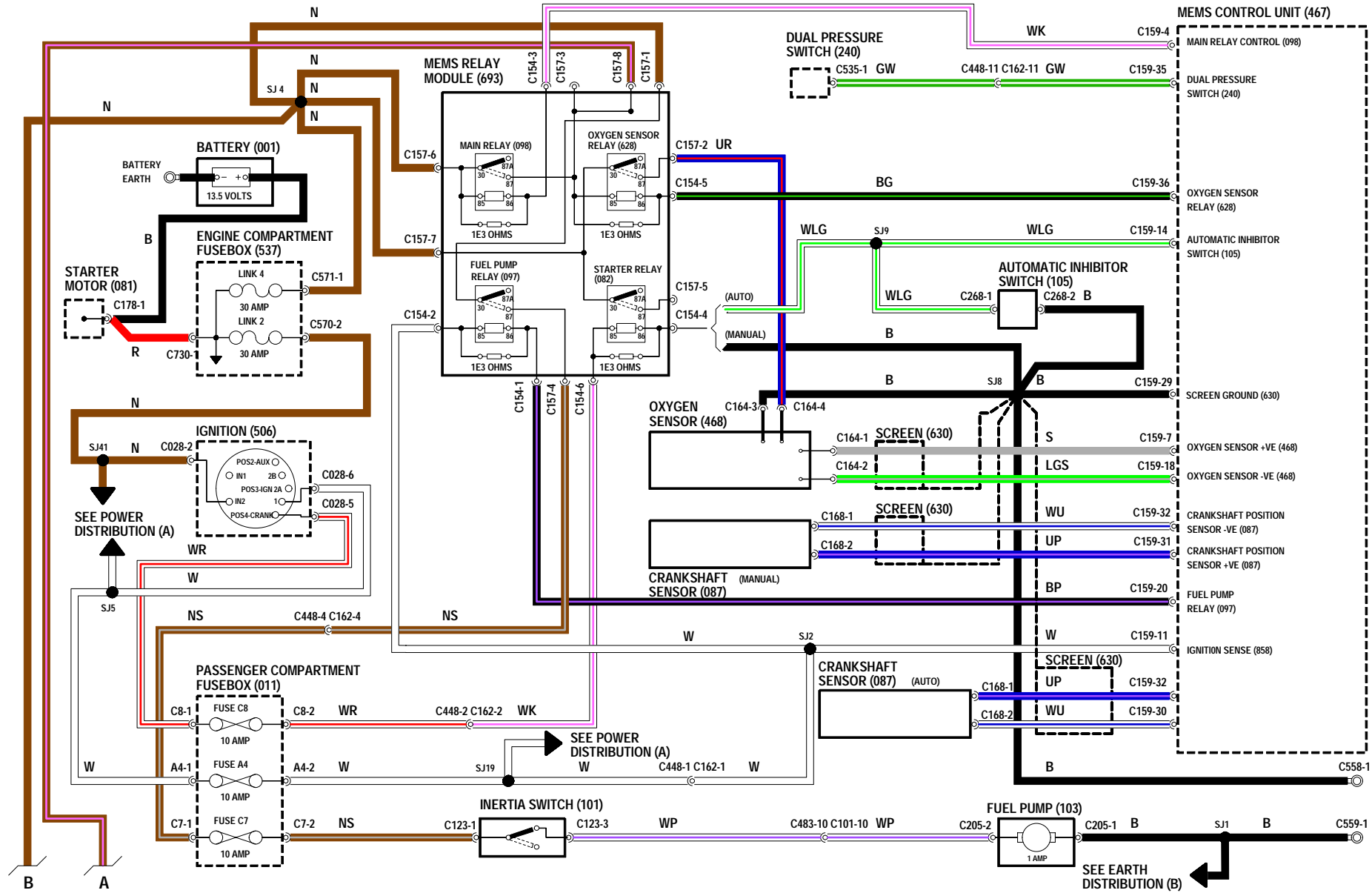


ENGINE MANAGEMENT SYSTEM (MEMS)

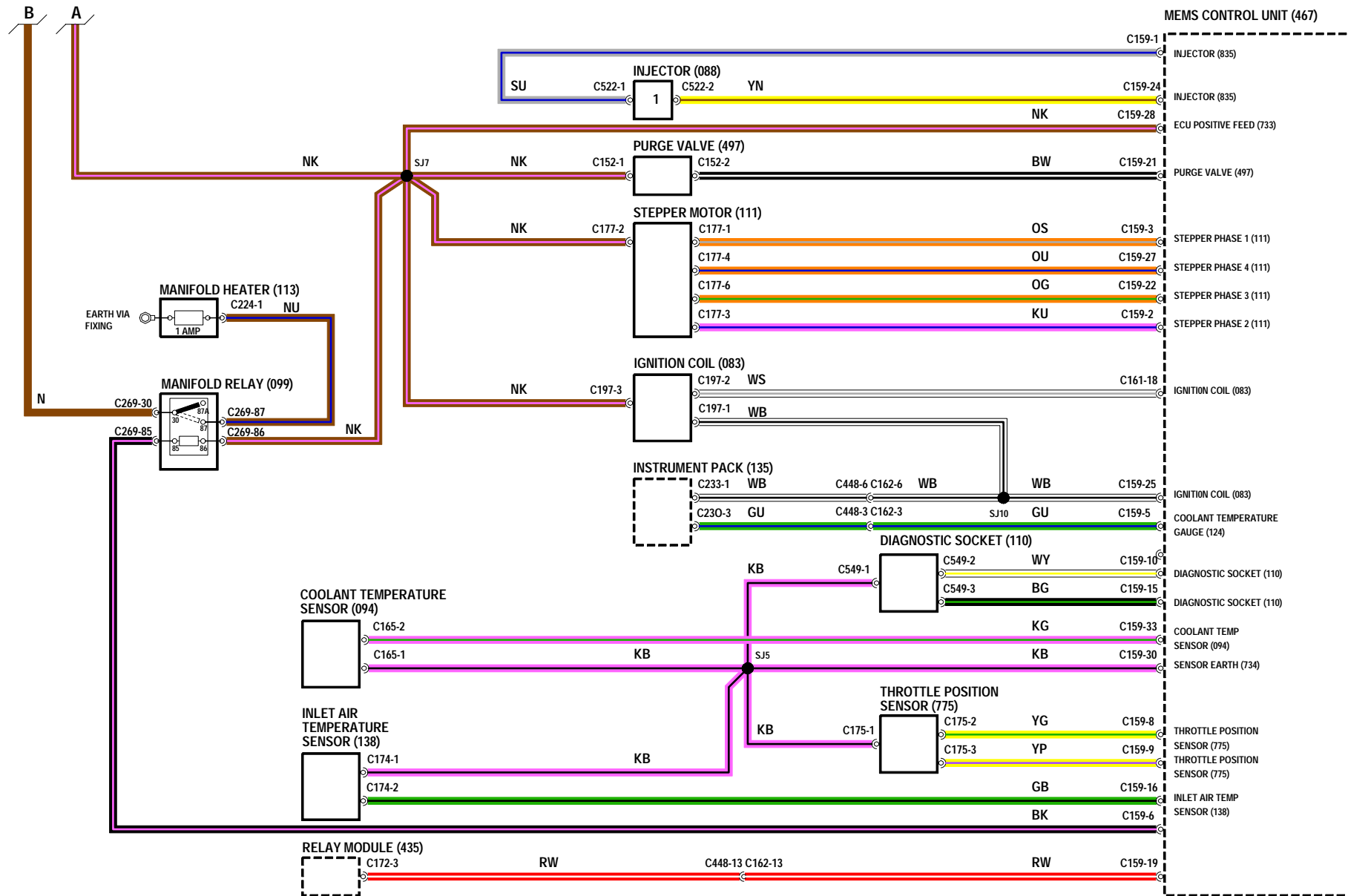
MPI



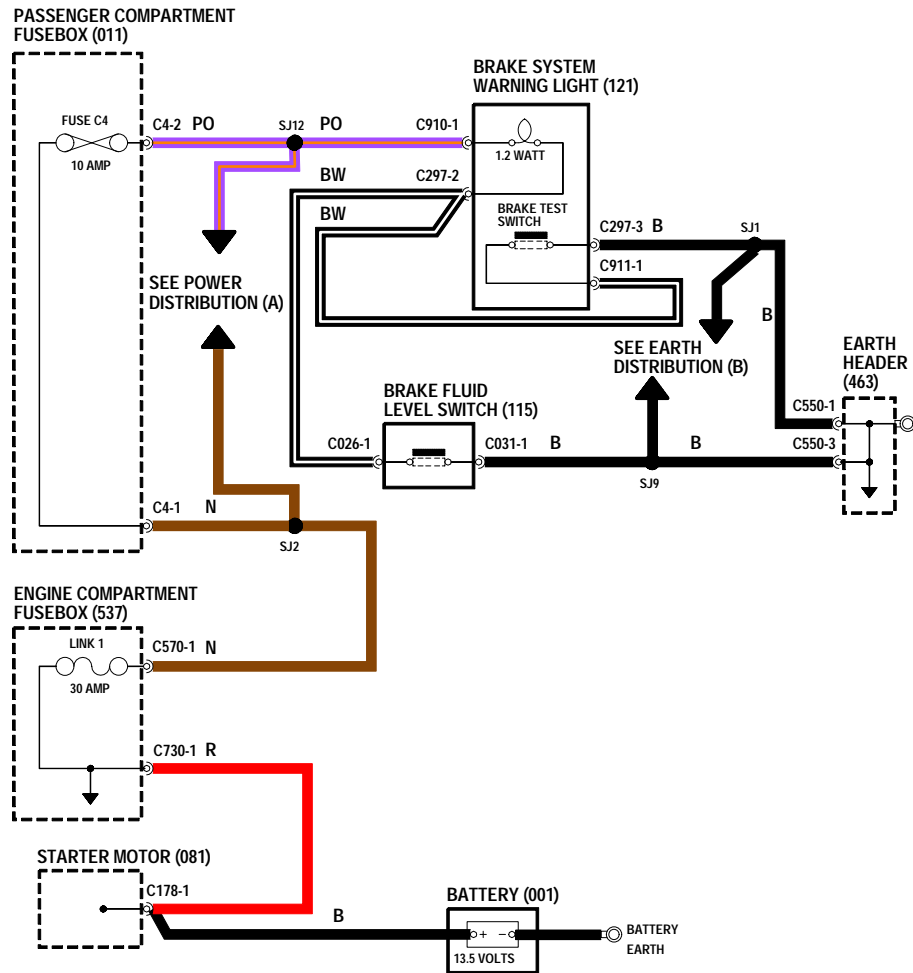
ENGINE MANAGEMENT SYSTEM (MEMS) SPI (JAPAN)



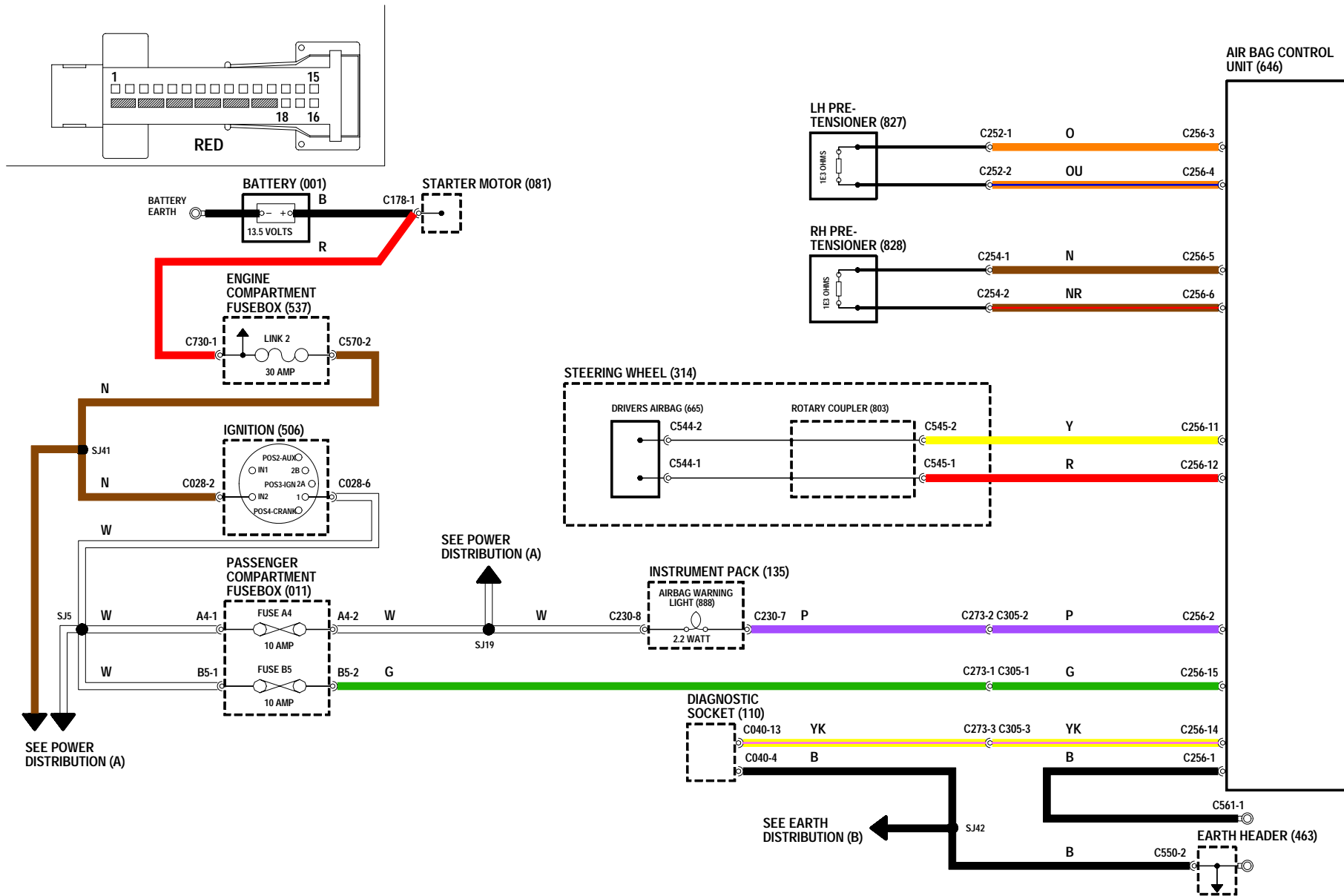
ENGINE MANAGEMENT SYSTEM (MEMS) SPI (JAPAN)



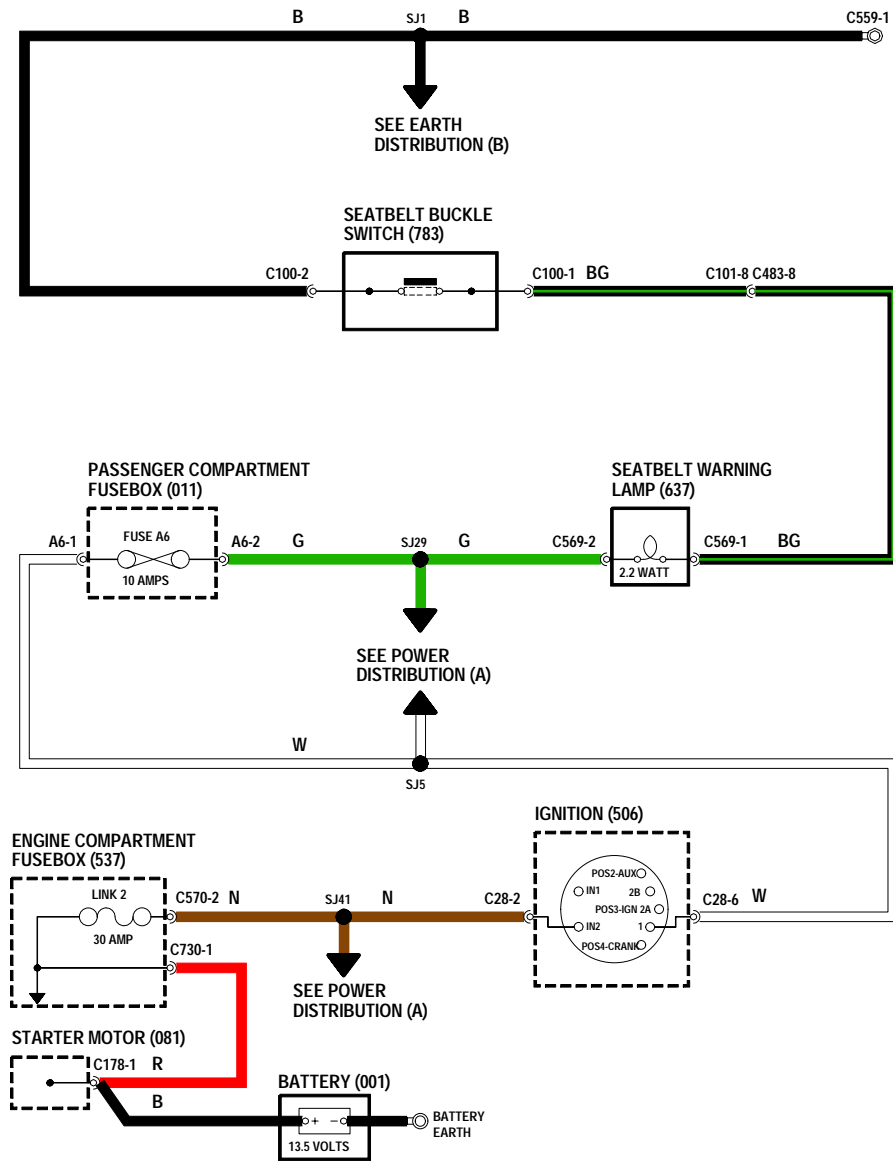
BRAKE FLUID LEVEL WARNING



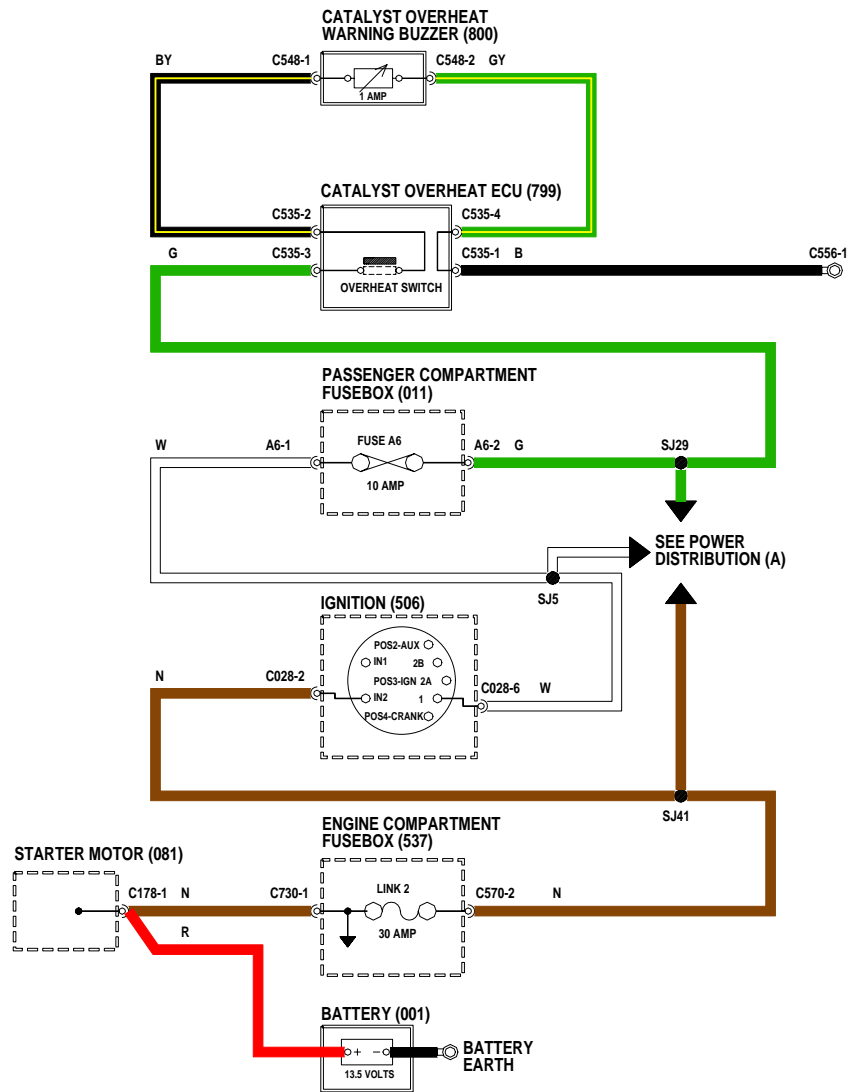
SRS (AIRBAG)



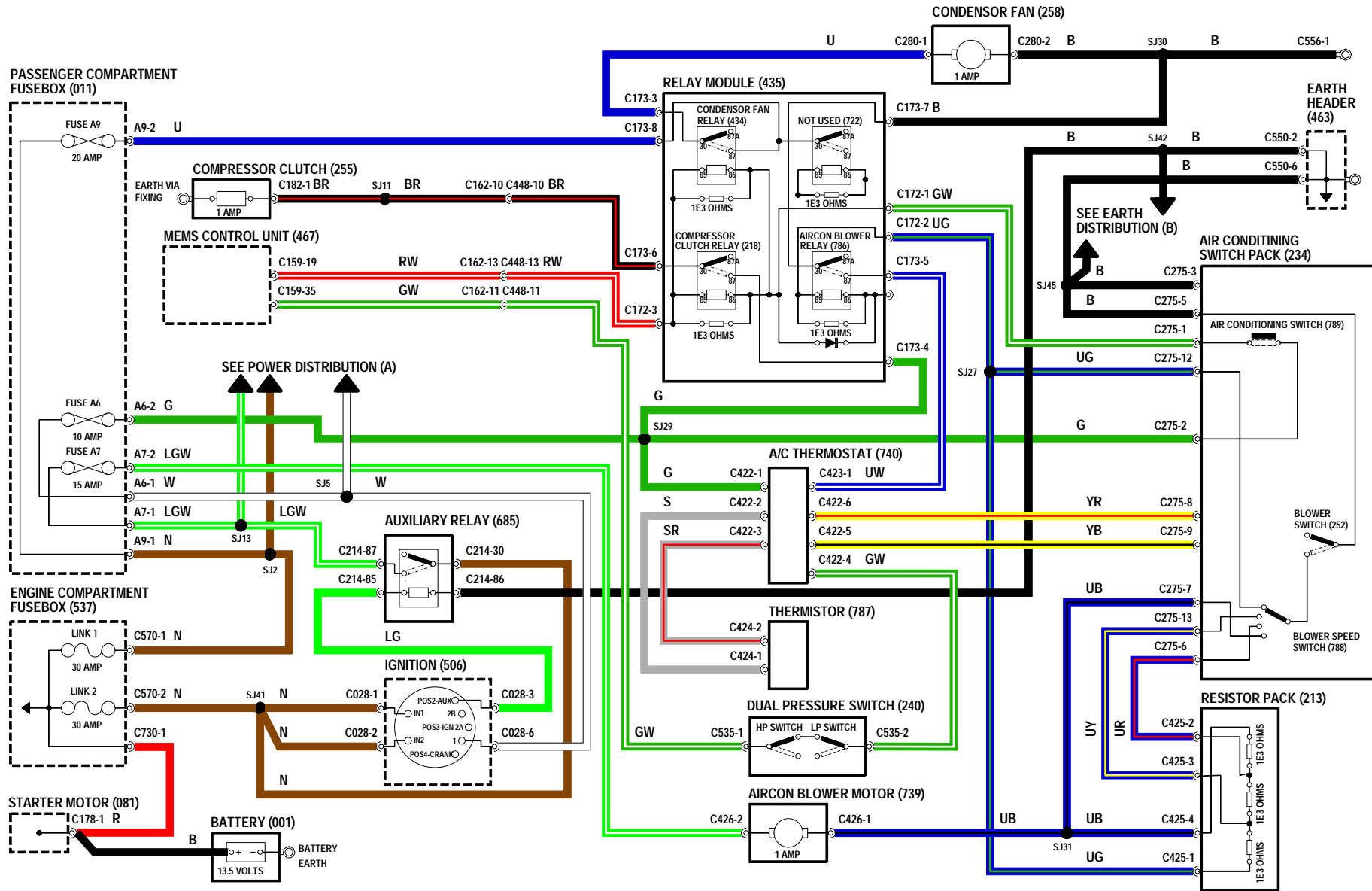
SEATBELT WARNING (JAPAN)



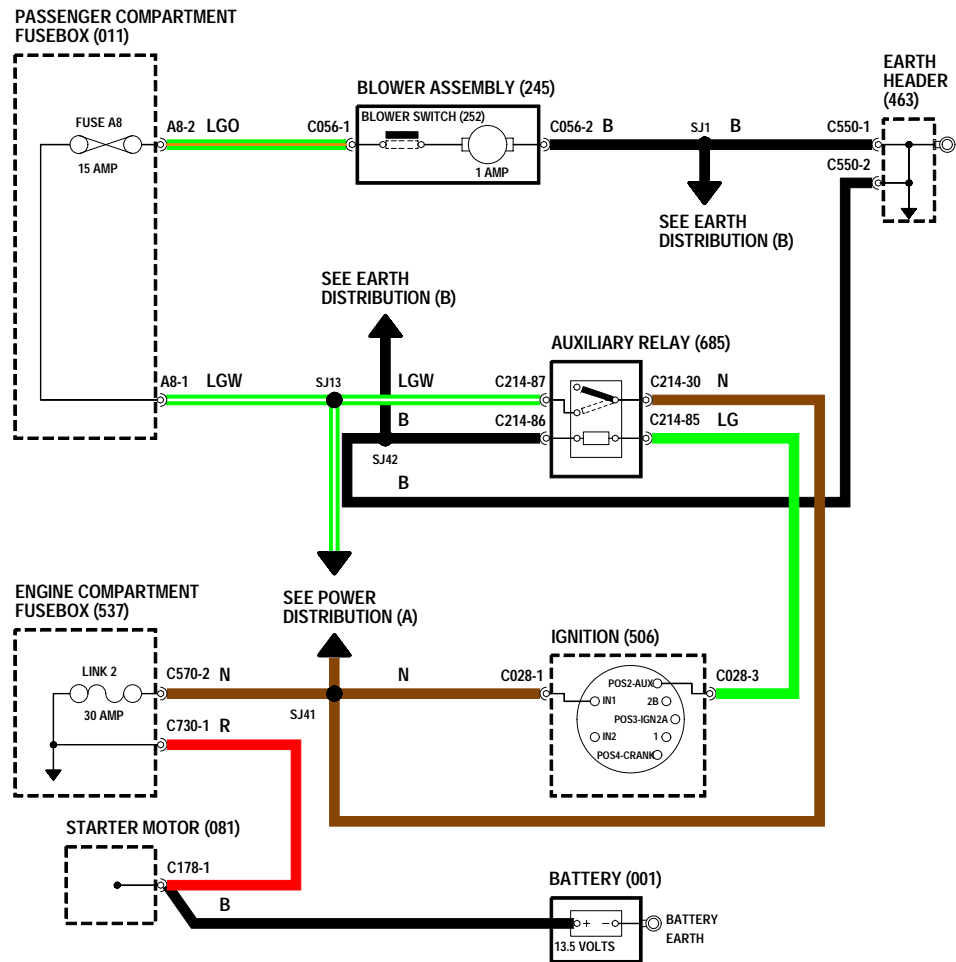
CATALYST OVERHEAT (JAPAN - NOT 1998 MY)



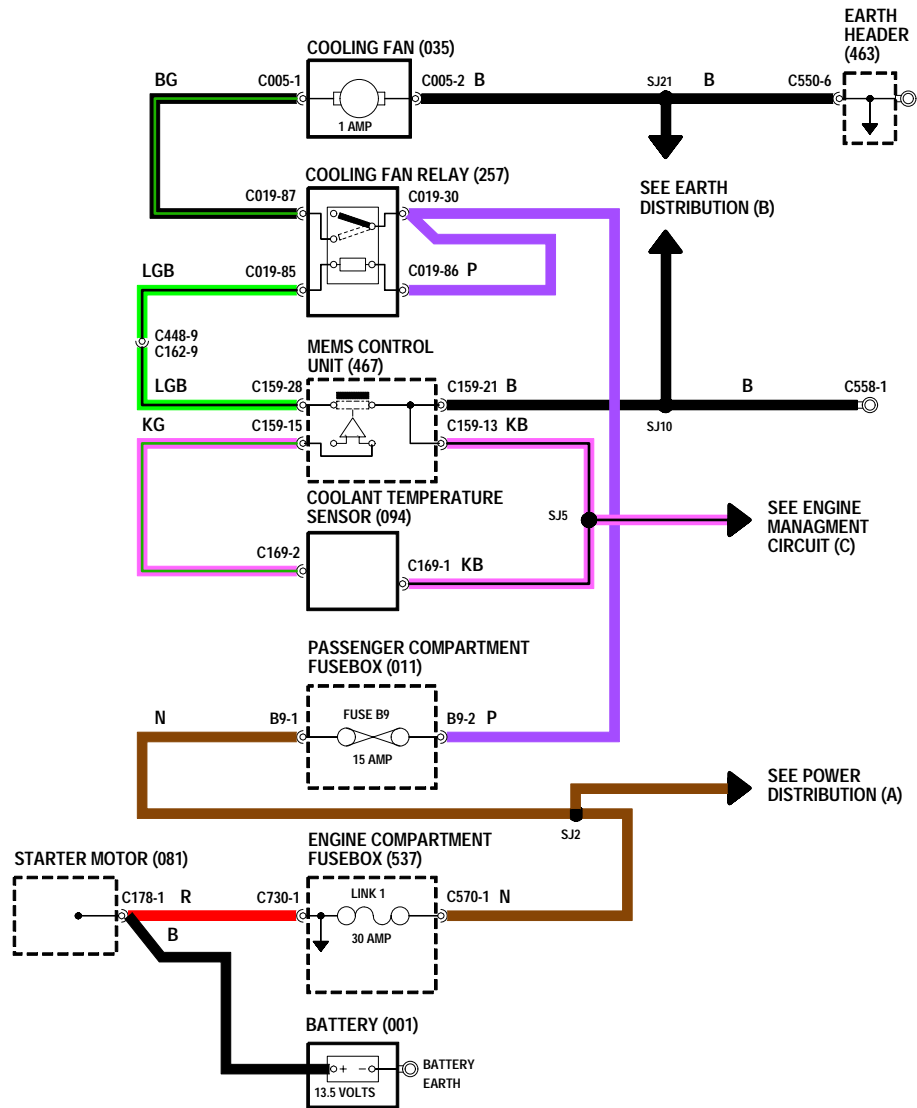
AIR CONDITIONING (JAPAN)



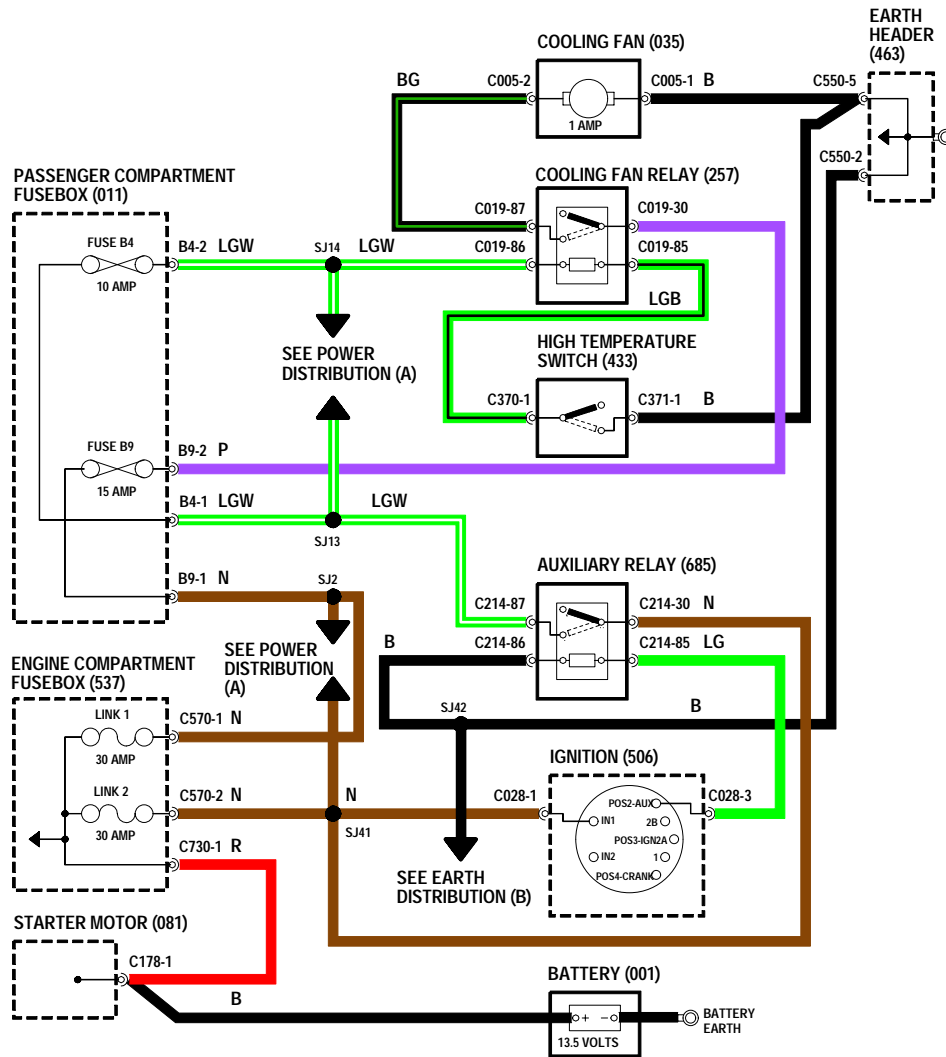
HEATER BLOWER



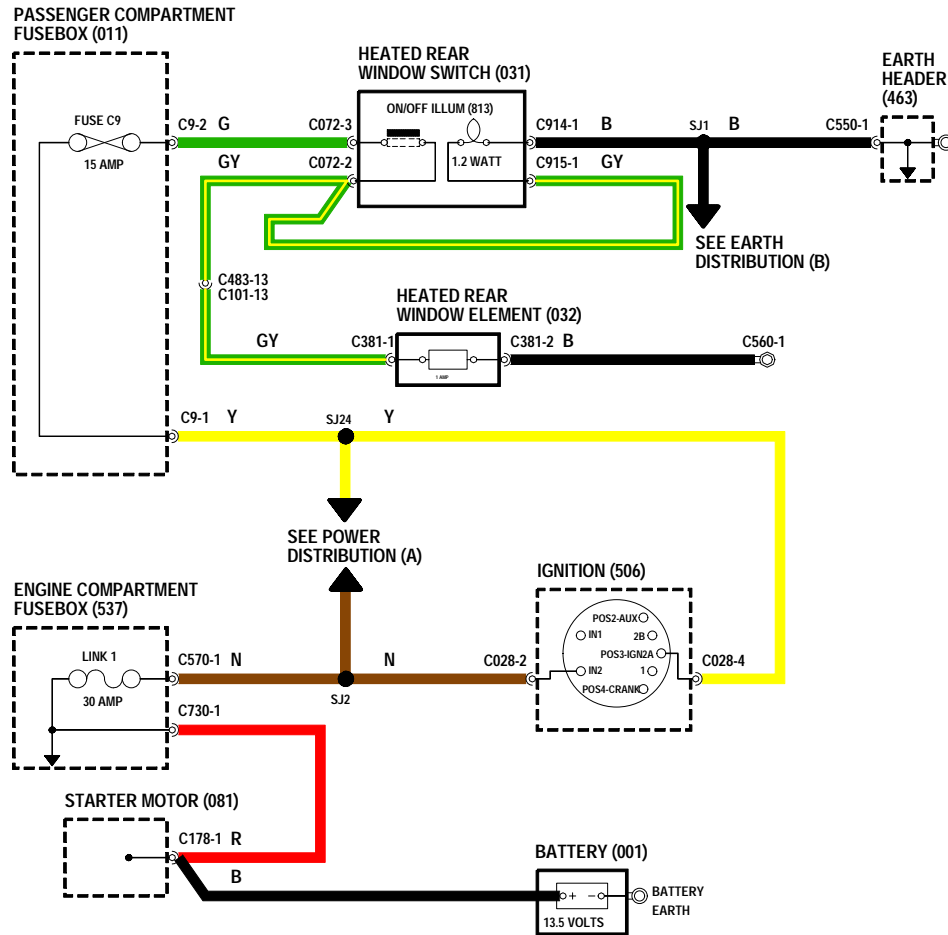
COOLING FAN MPI



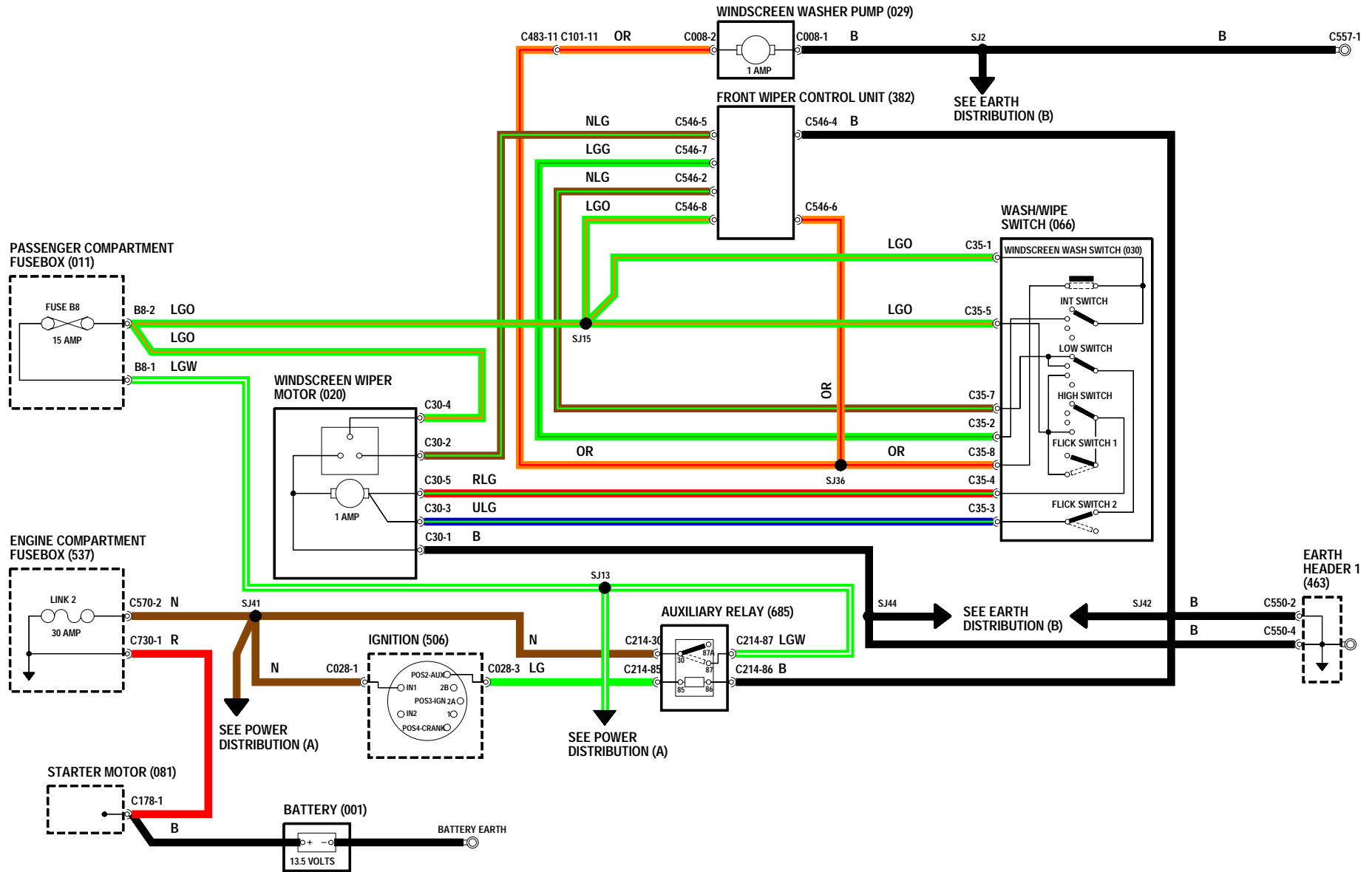
COOLING FAN SPI (JAPAN)



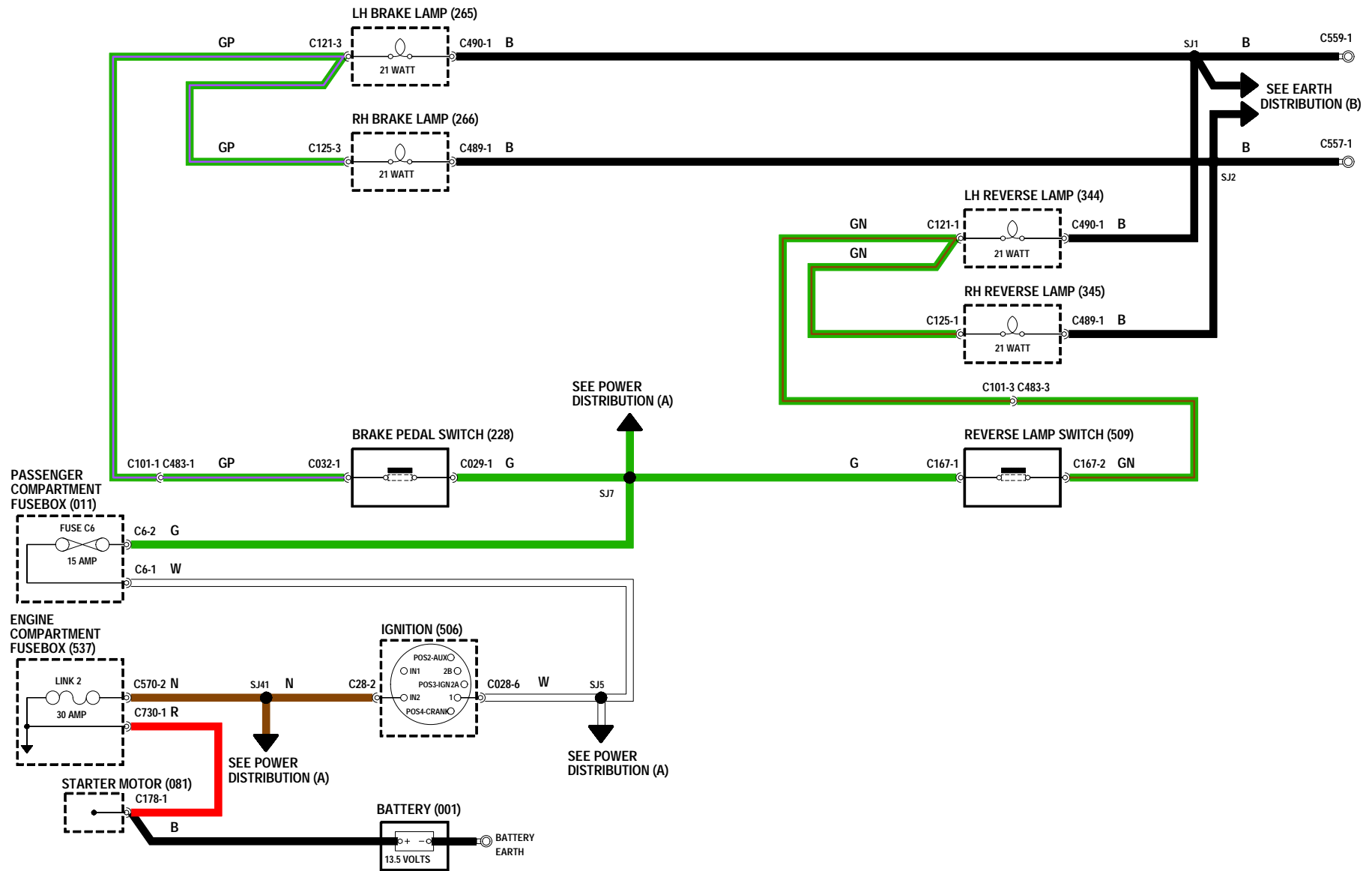
HEATED REAR WINDOW



WIPERS AND WASHERS

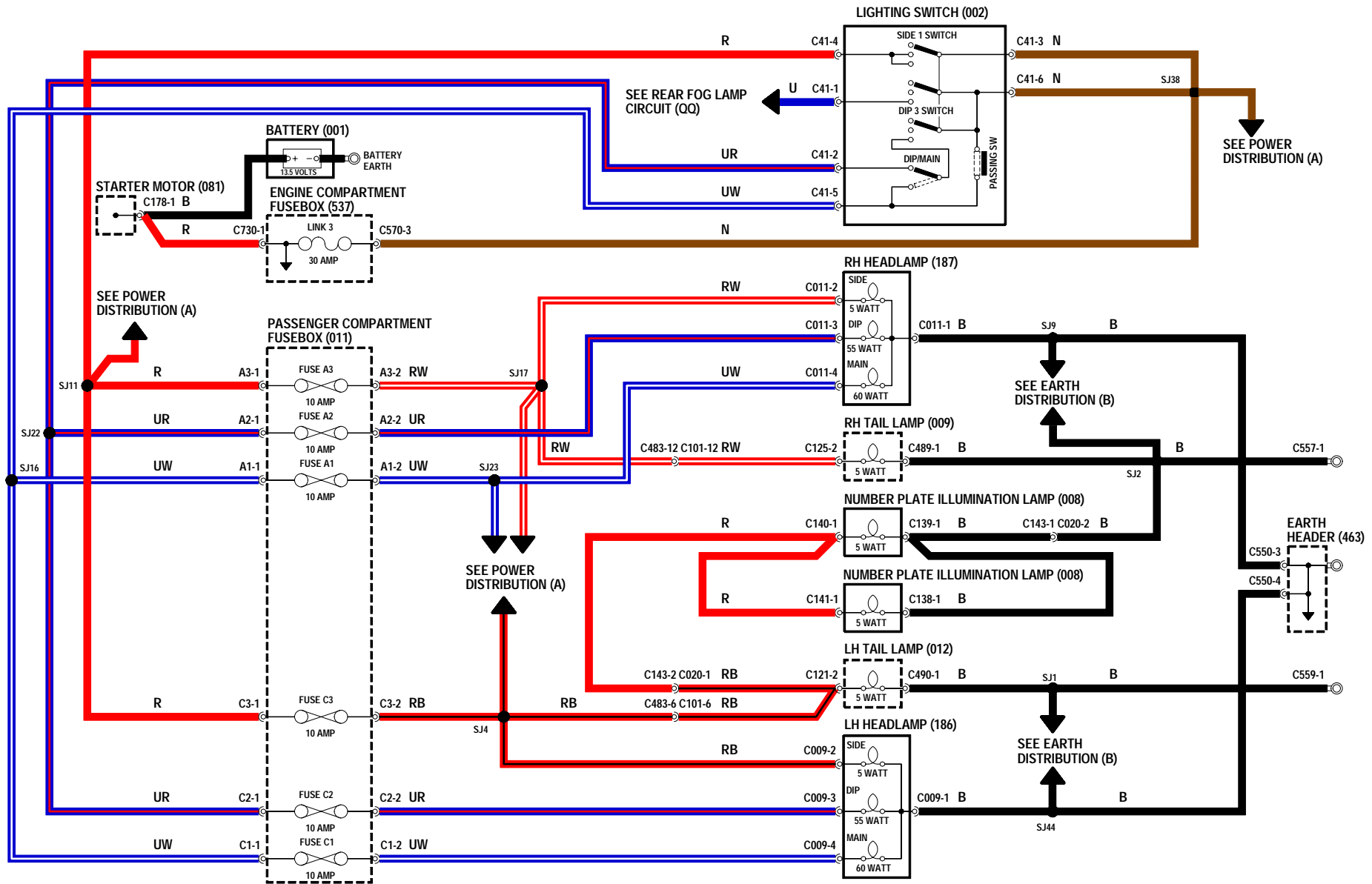


EXTERIOR LAMPS BRAKE/REVERSE LAMPS



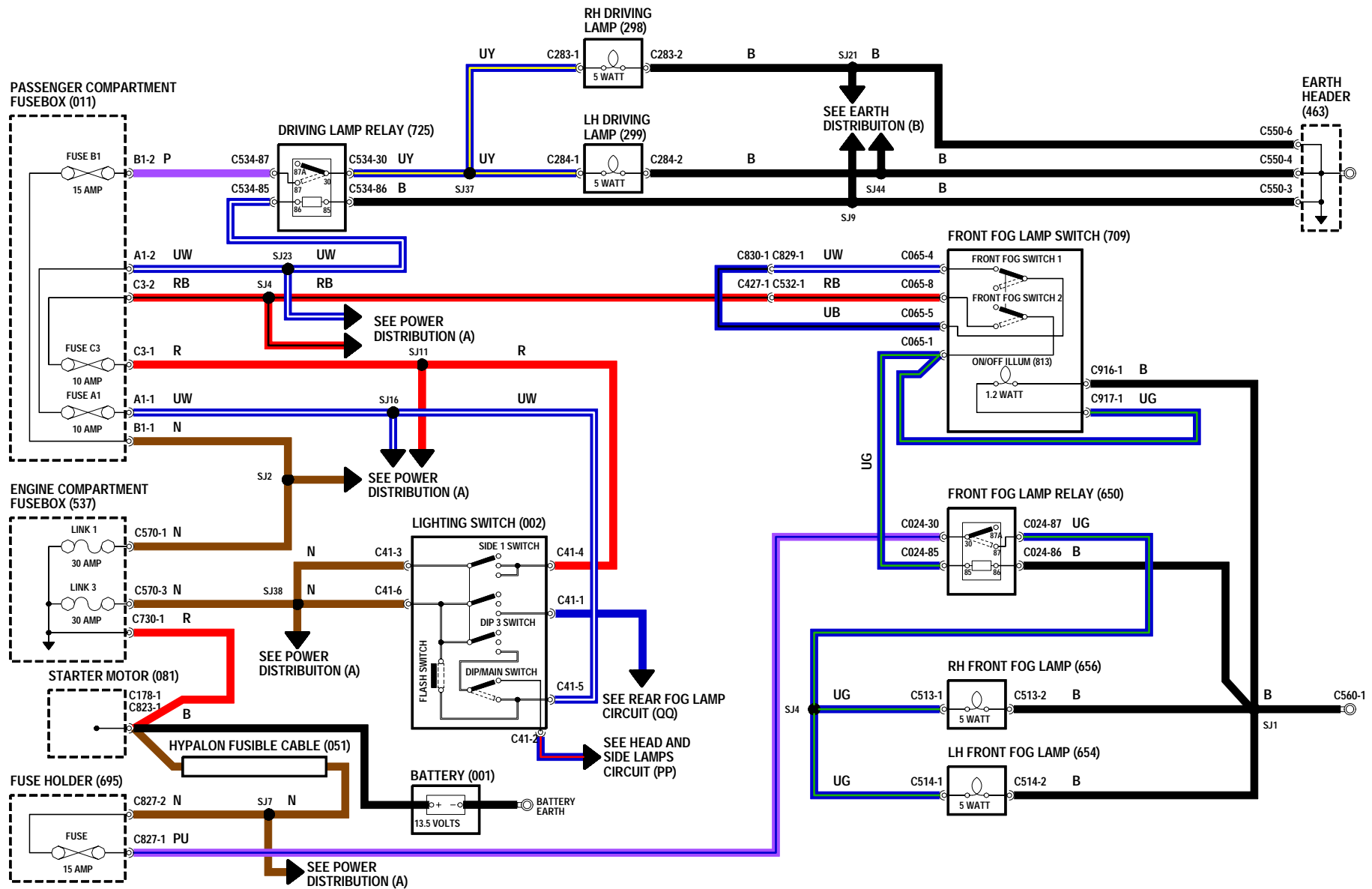
EXTERIOR LAMPS

HEAD, SIDE, TAIL AND NUMBER PLATE LAMPS



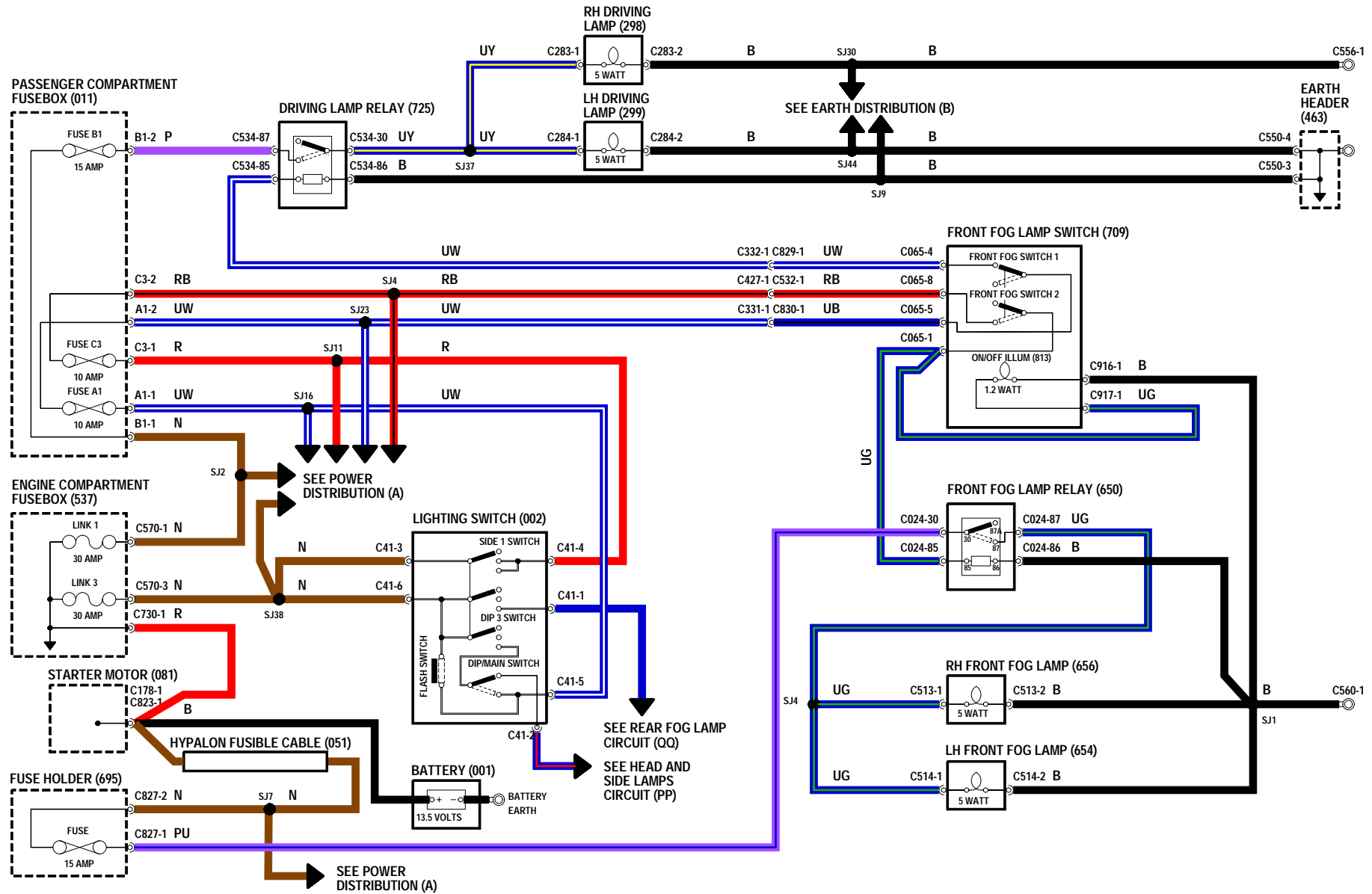
EXTERIOR LAMPS

FRONT FOG AND DRIVING LAMPS

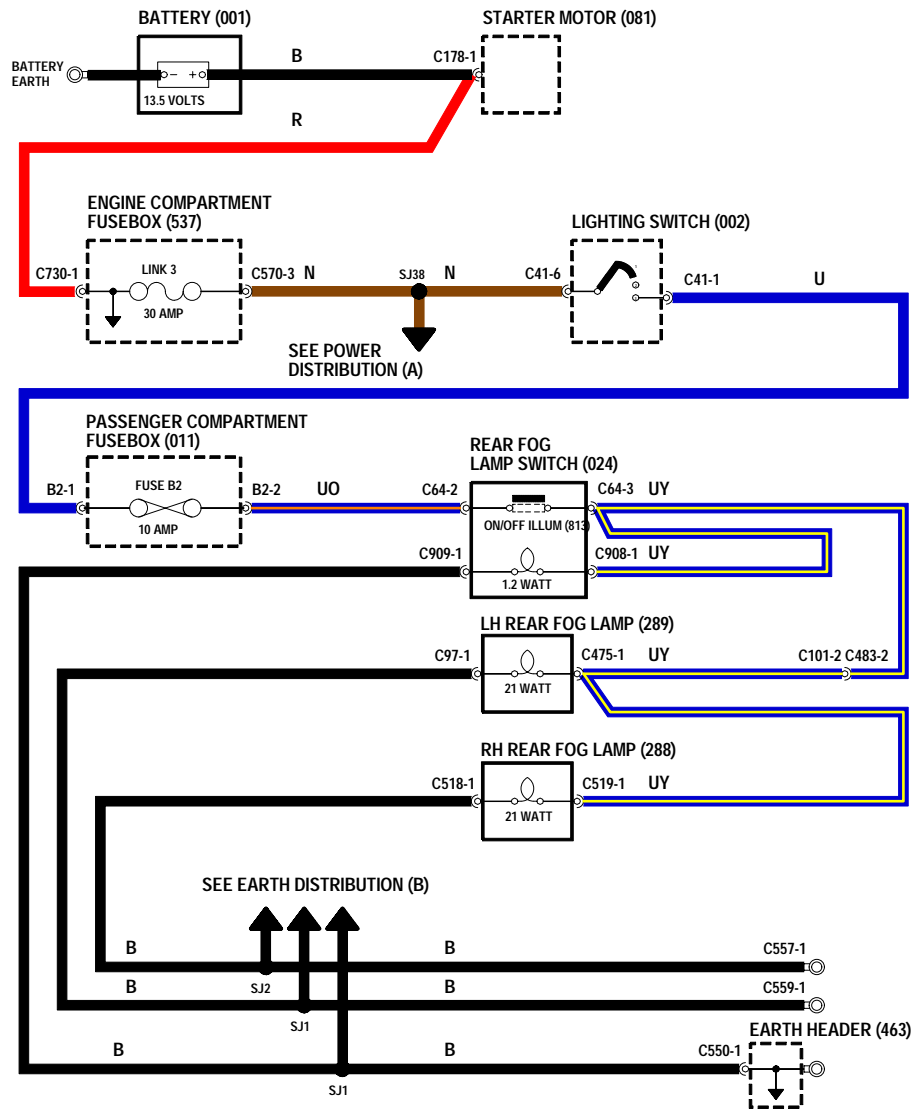


EXTERIOR LAMPS

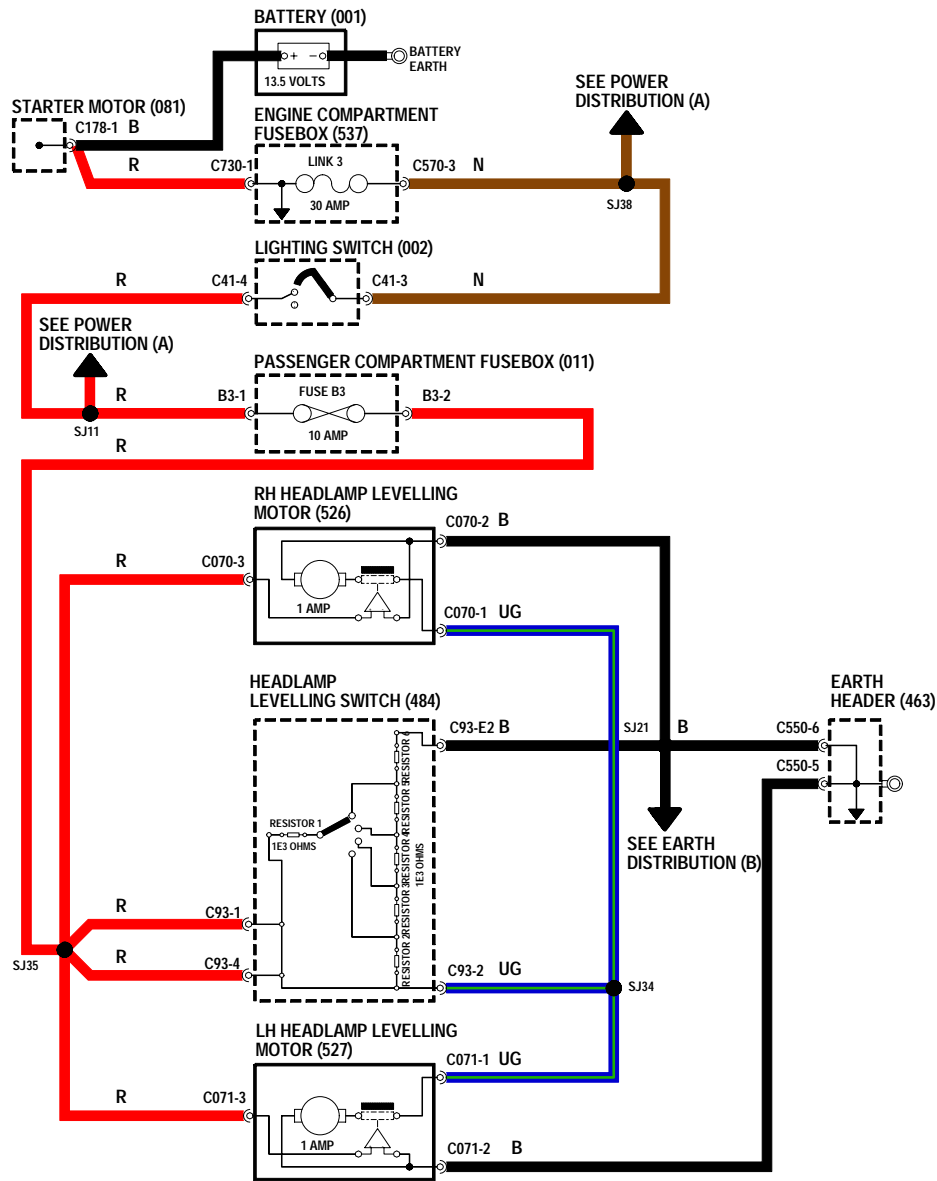
FRONT FOG AND DRIVING LAMPS (JAPAN)



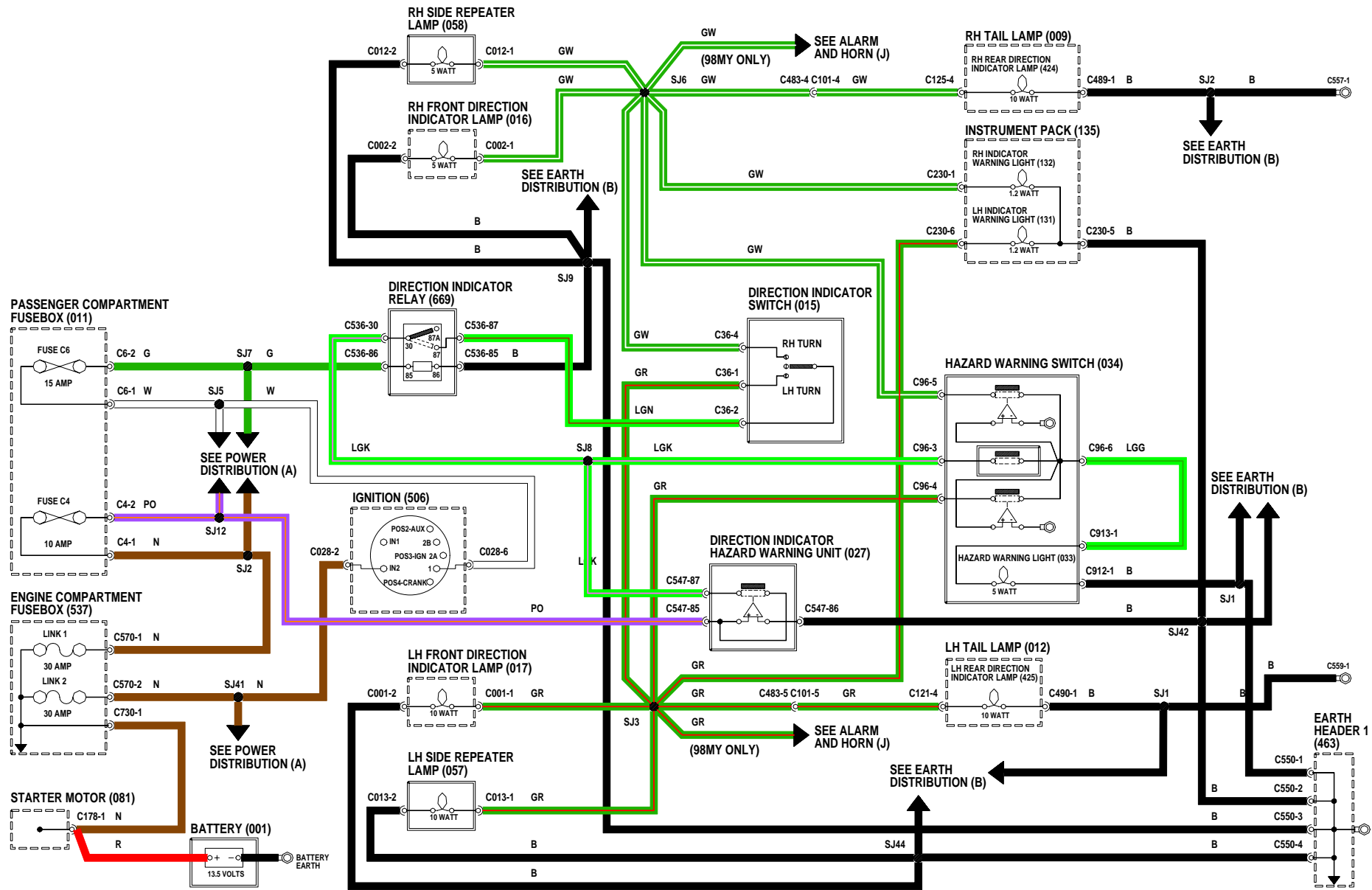
REAR FOG LAMPS



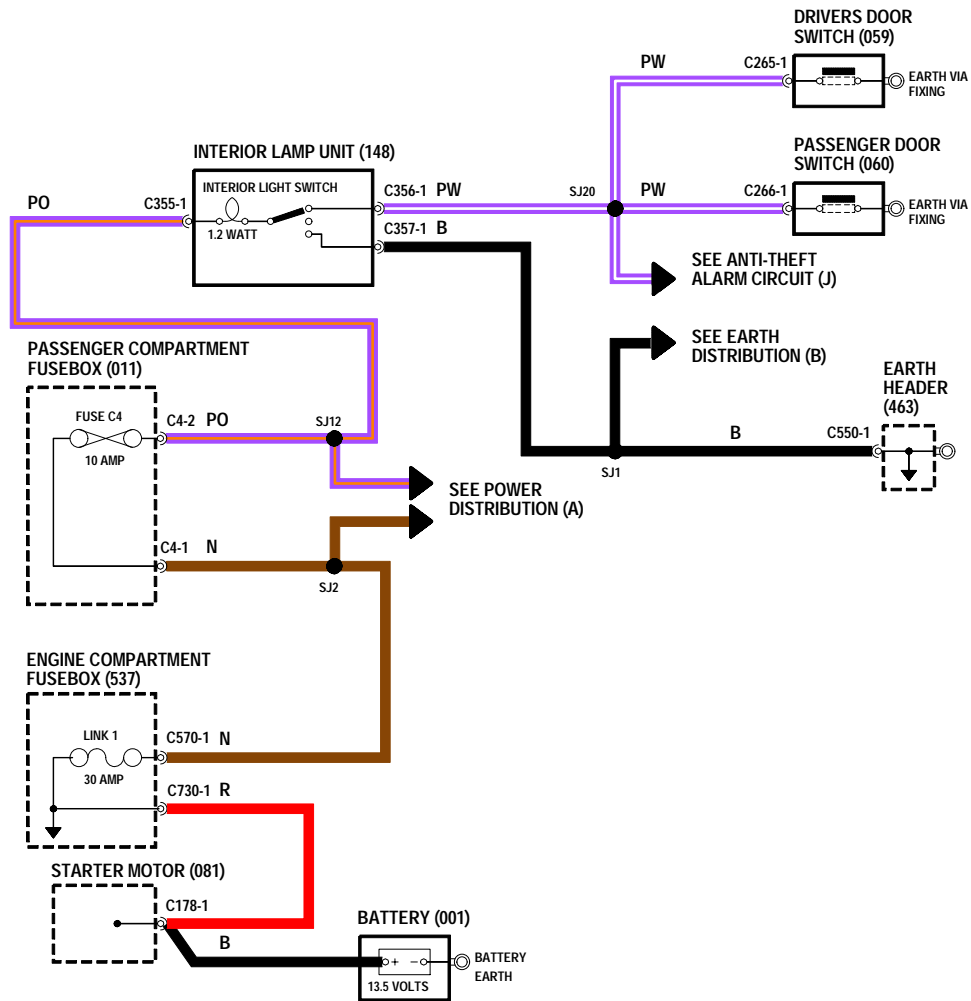
EXTERIOR LAMPS HEADLAMP LEVELLING



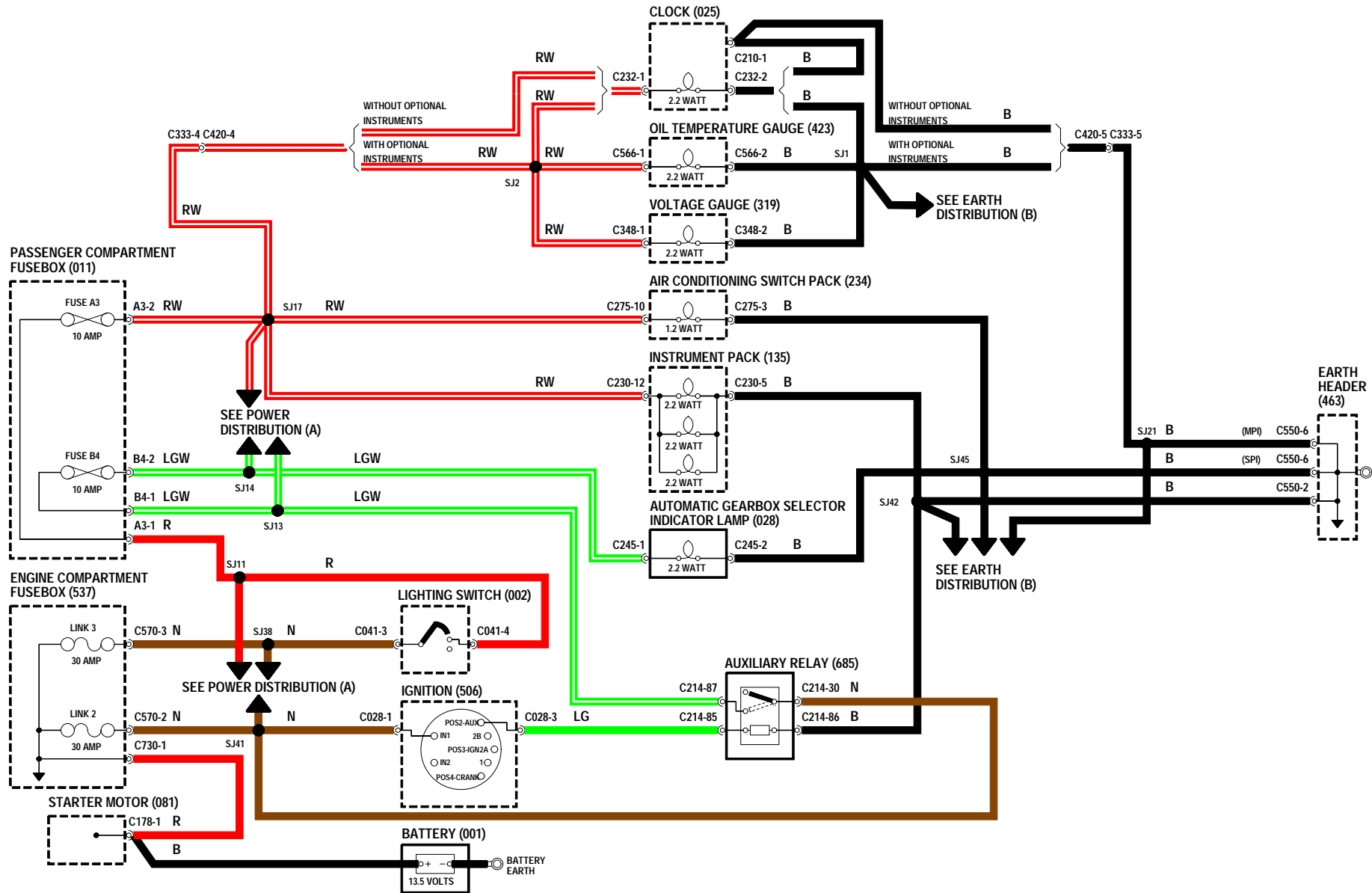
INDICATORS AND HAZARDS



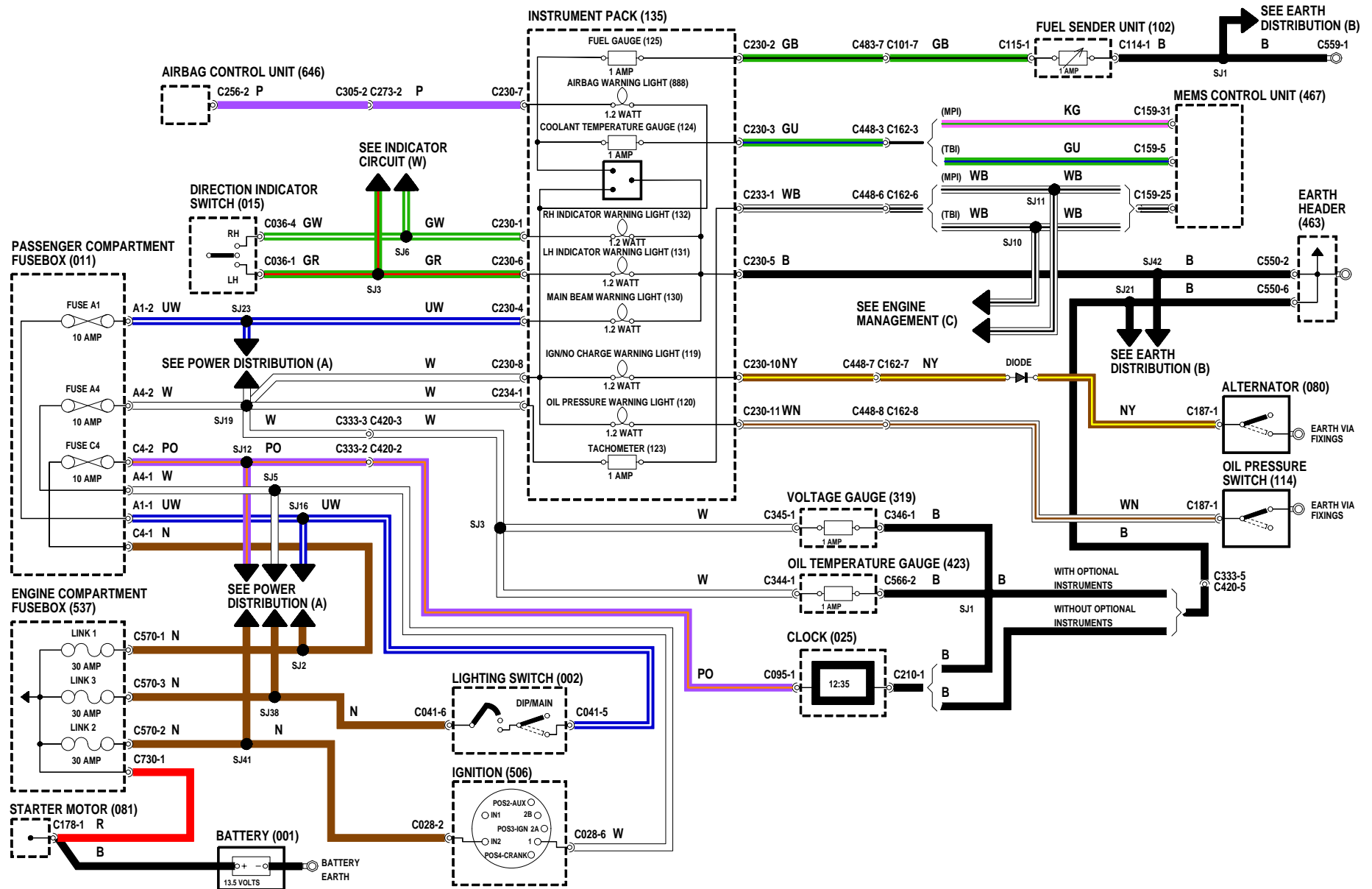
INTERIOR LAMPS



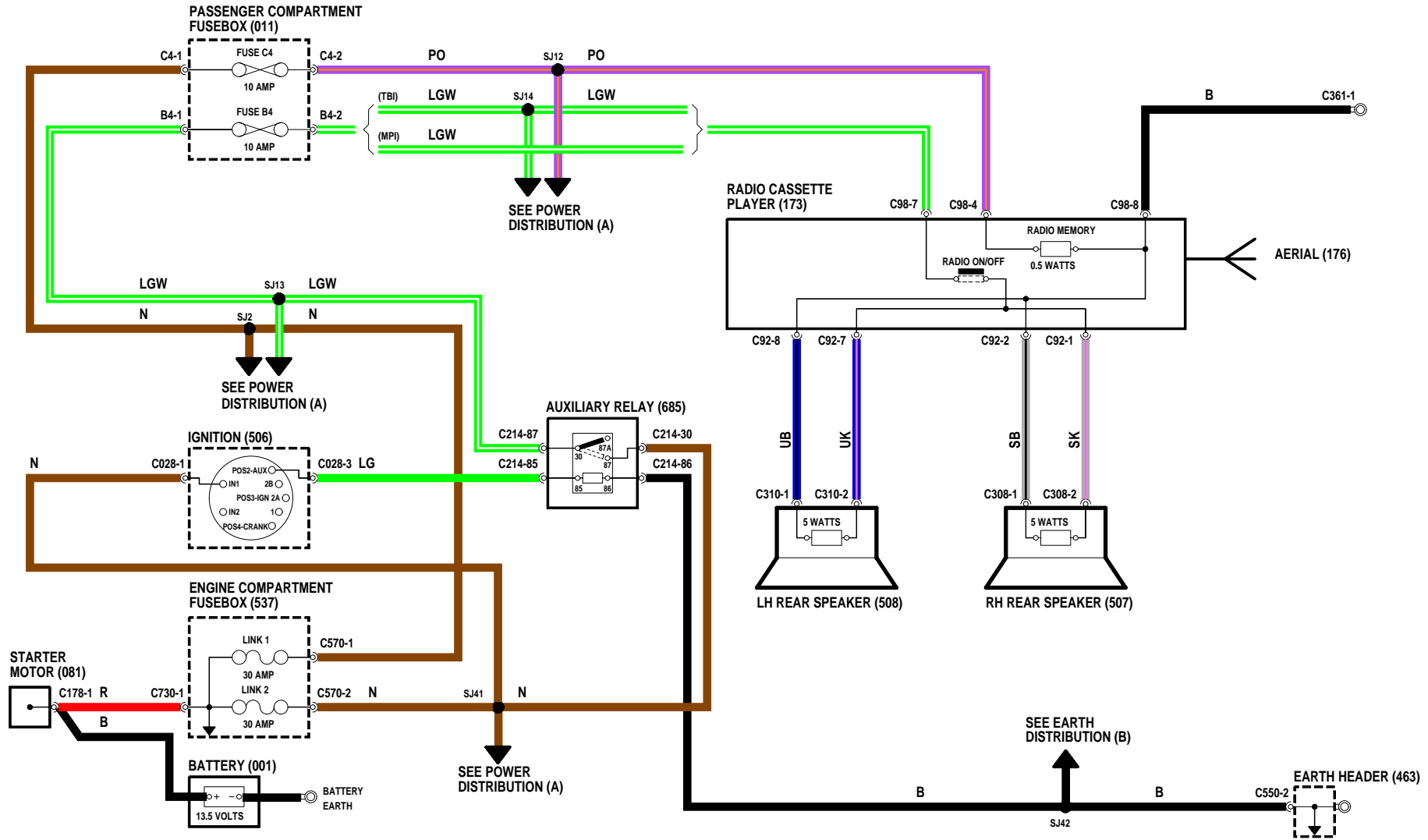
INTERIOR ILLUMINATION



INSTRUMENTS



IN-CAR ENTERTAINMENT RADIO CASSETTE PLAYER



IN-CAR ENTERTAINMENT RADIO CD PLAYER

