

Overall Circuit Diagram

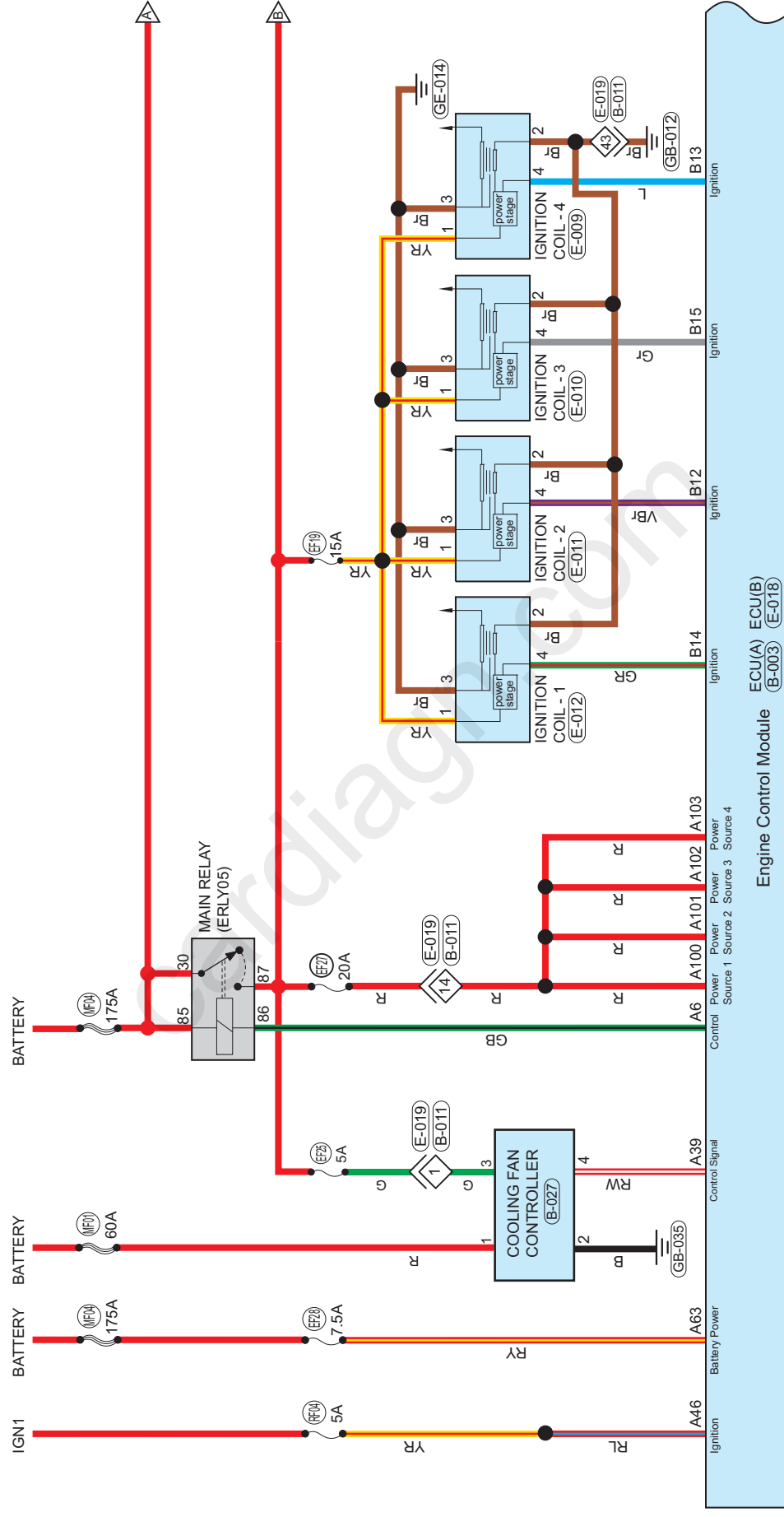
General Information

This section integrates the scattered system circuit diagrams according to the modules. This information is very important for finding and understanding the whole module circuit. When troubleshooting any problems, first understand the operation of the malfunction circuit (Refer to "System Circuits" or circuit diagrams in the relevant repair manual).

After understanding the circuit operation, troubleshoot the malfunction circuit to find out the cause, then use the "Wire Harness Position Diagram" to find each wire harness, wire harness connector and ground point of the relevant circuit. For specifications or detailed removal and installation procedures, please refer to the relevant repair manual.

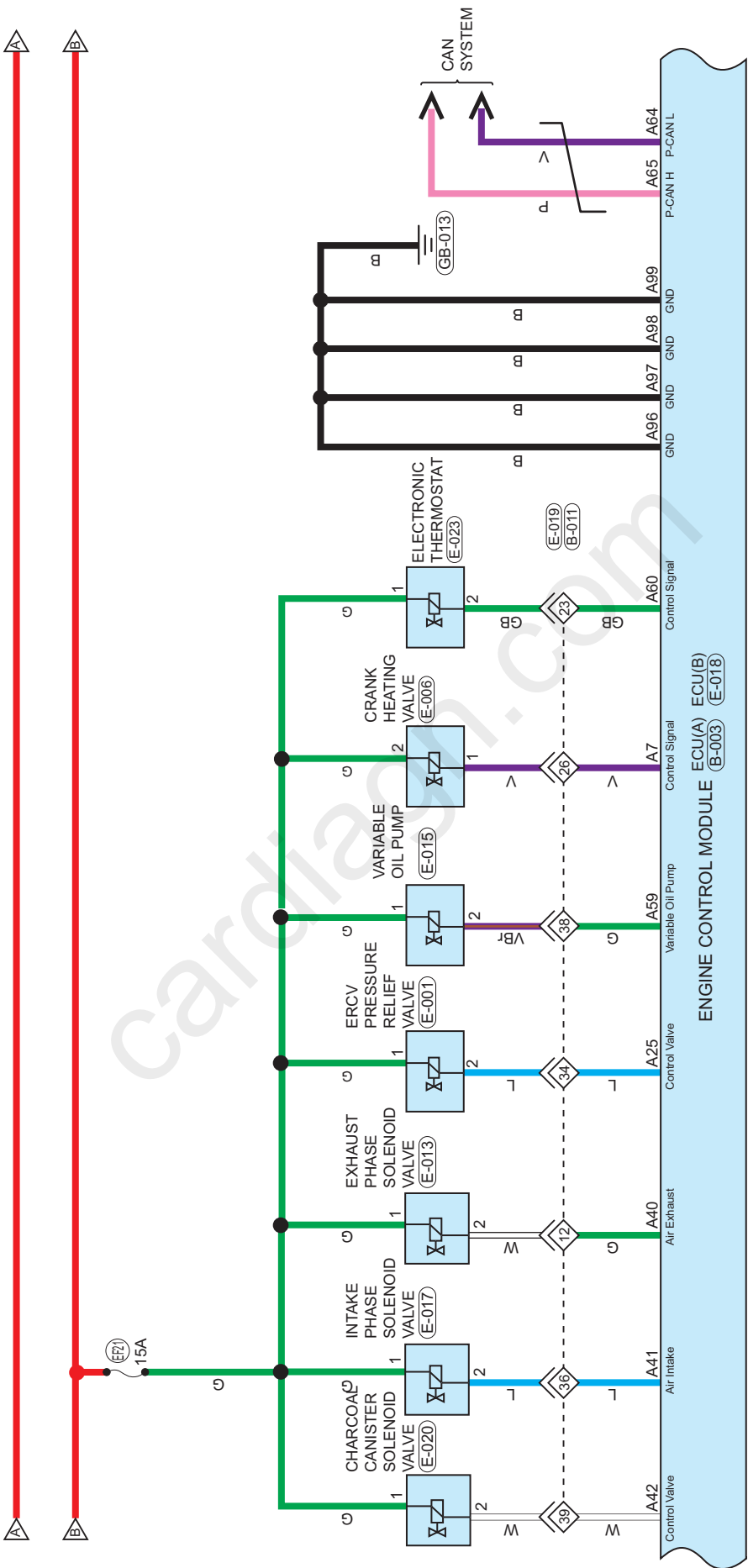
cardiagn.com

Engine Control System (EMS)



12-2

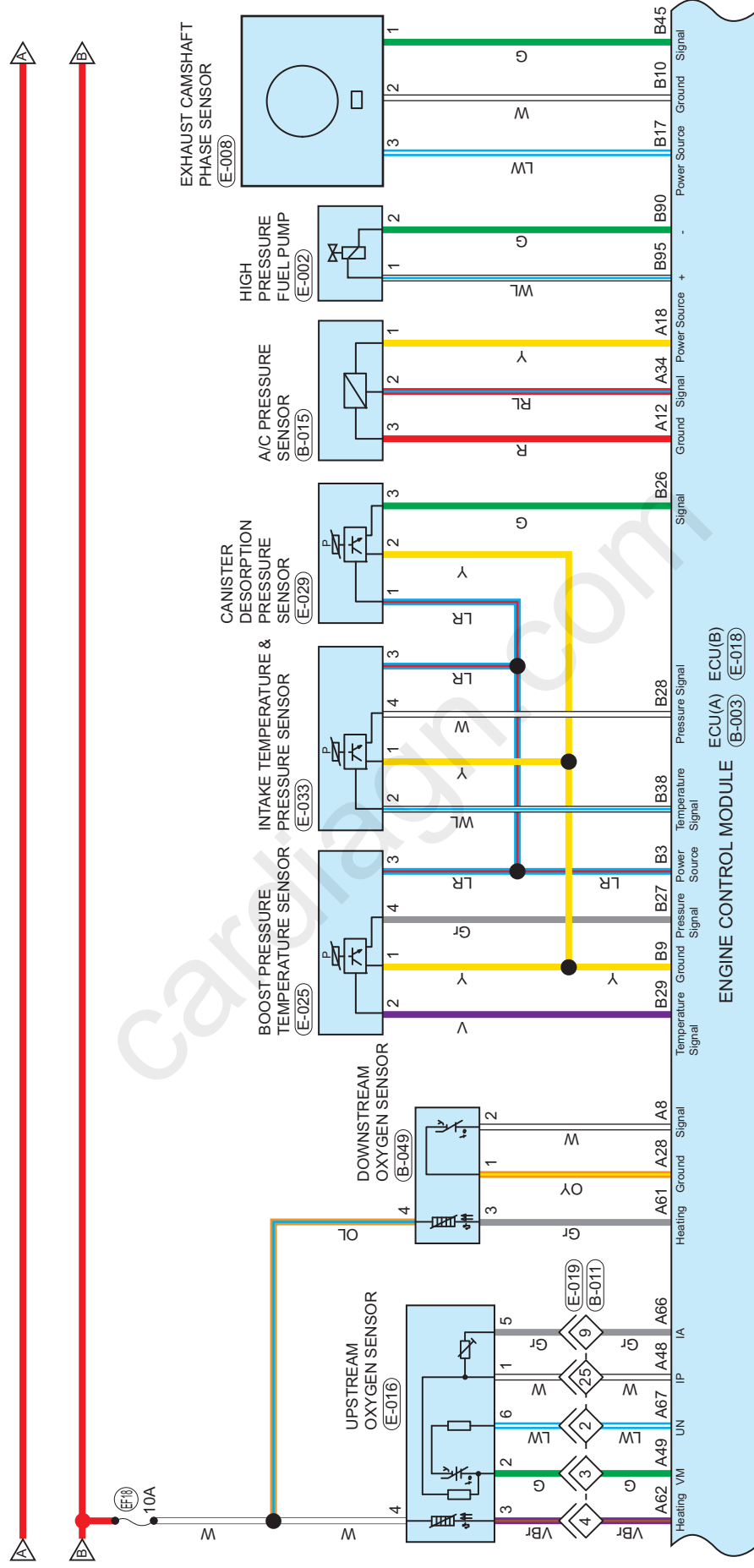
Engine Control System (EMS)



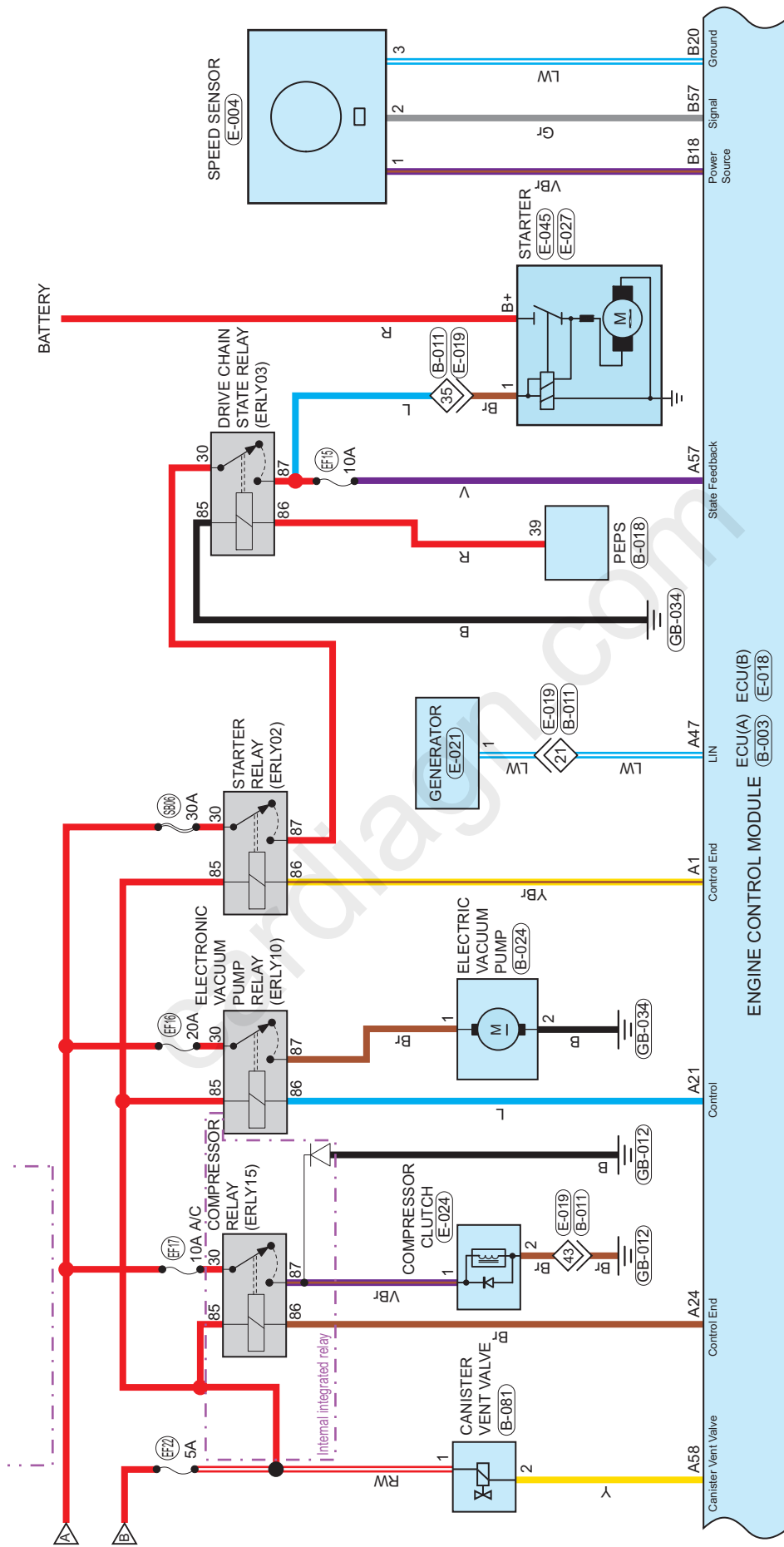
EWD011001



Engine Control System (EMS)



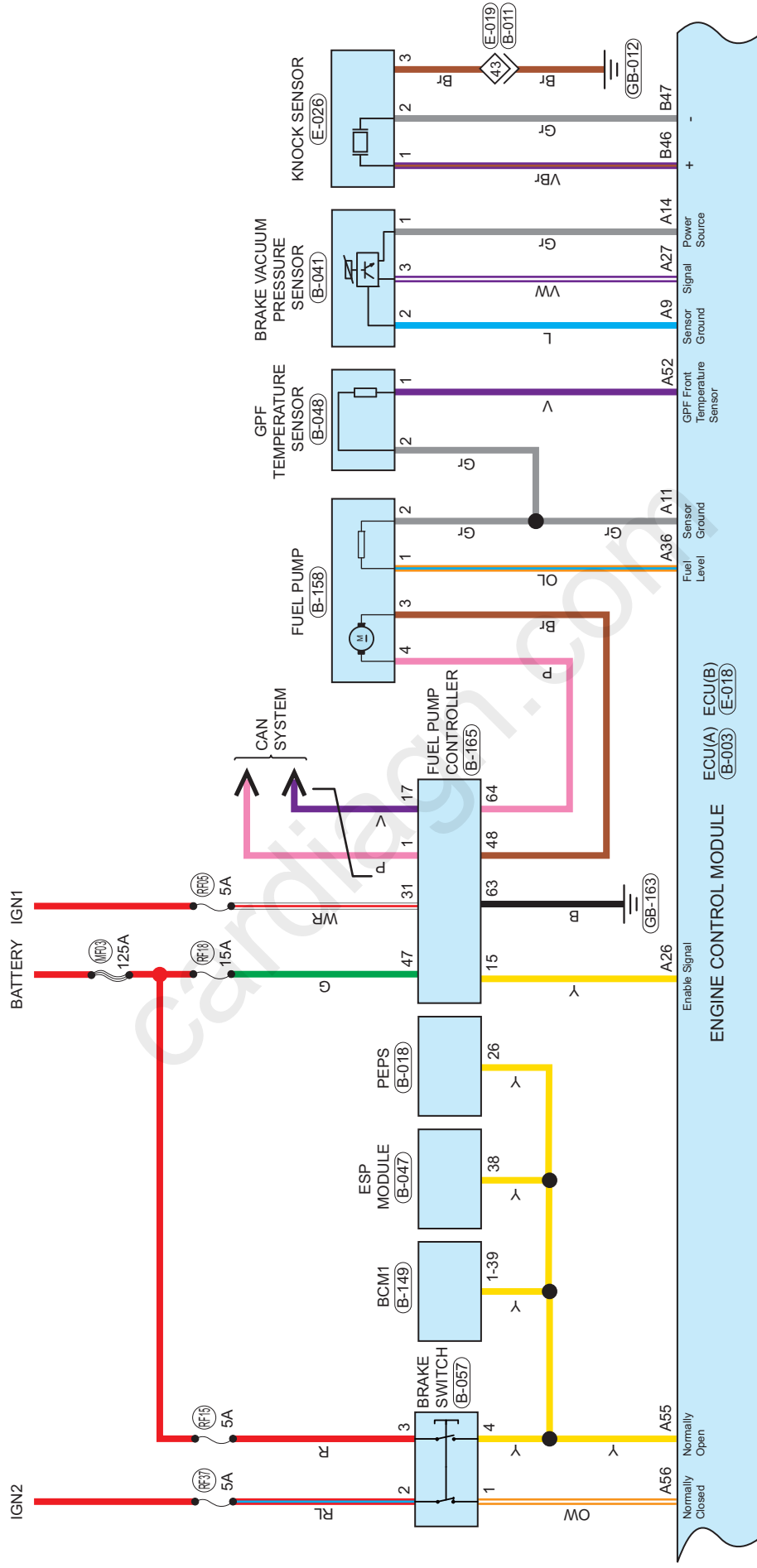
Engine Control System (EMS)



EWD013001

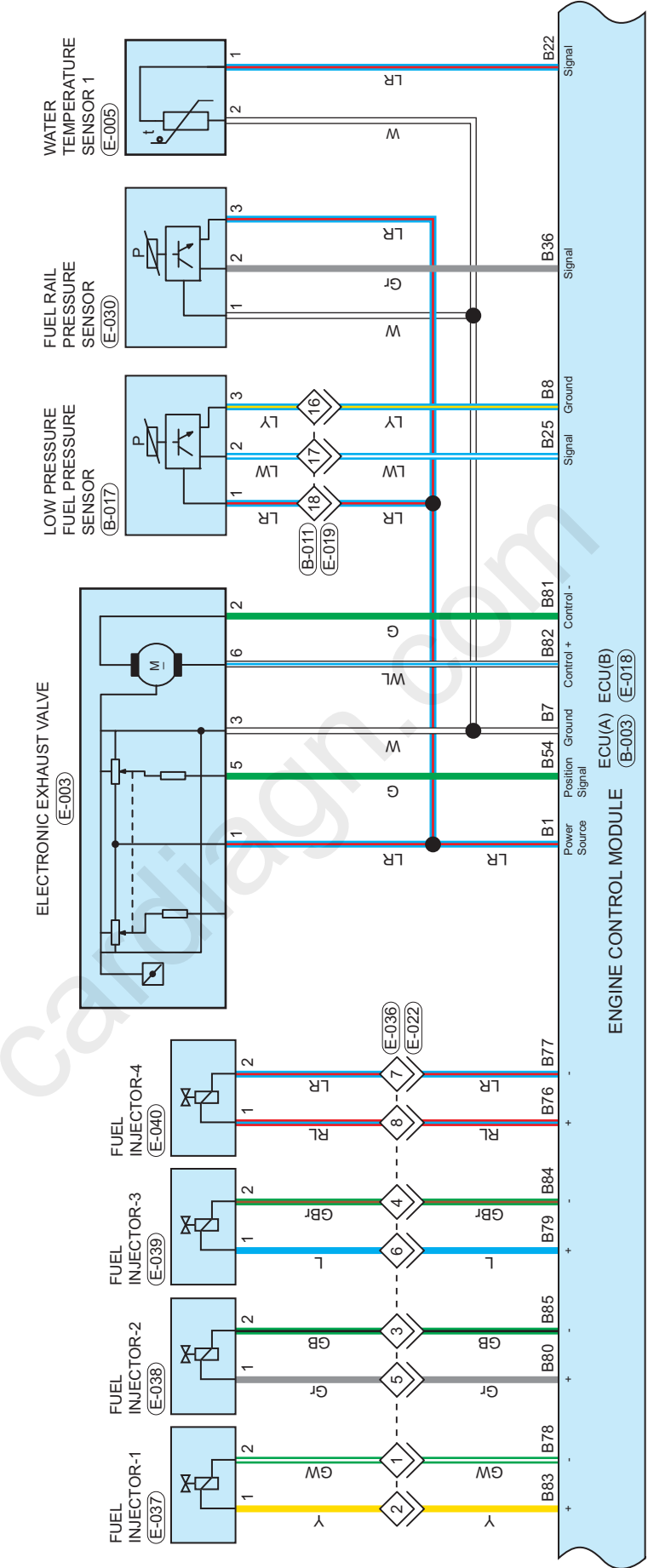


Engine Control System (EMS)



EWD014001

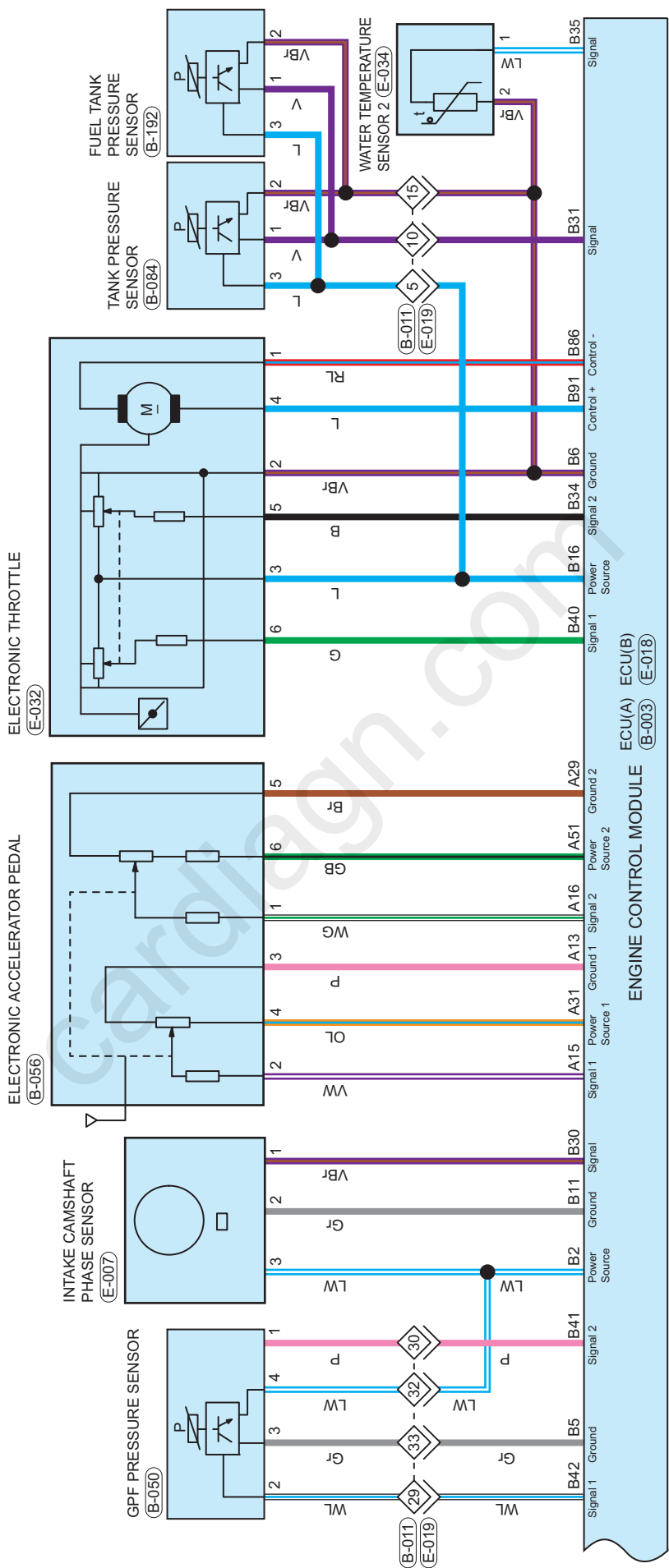
Engine Control System (EMS)



EWD015001

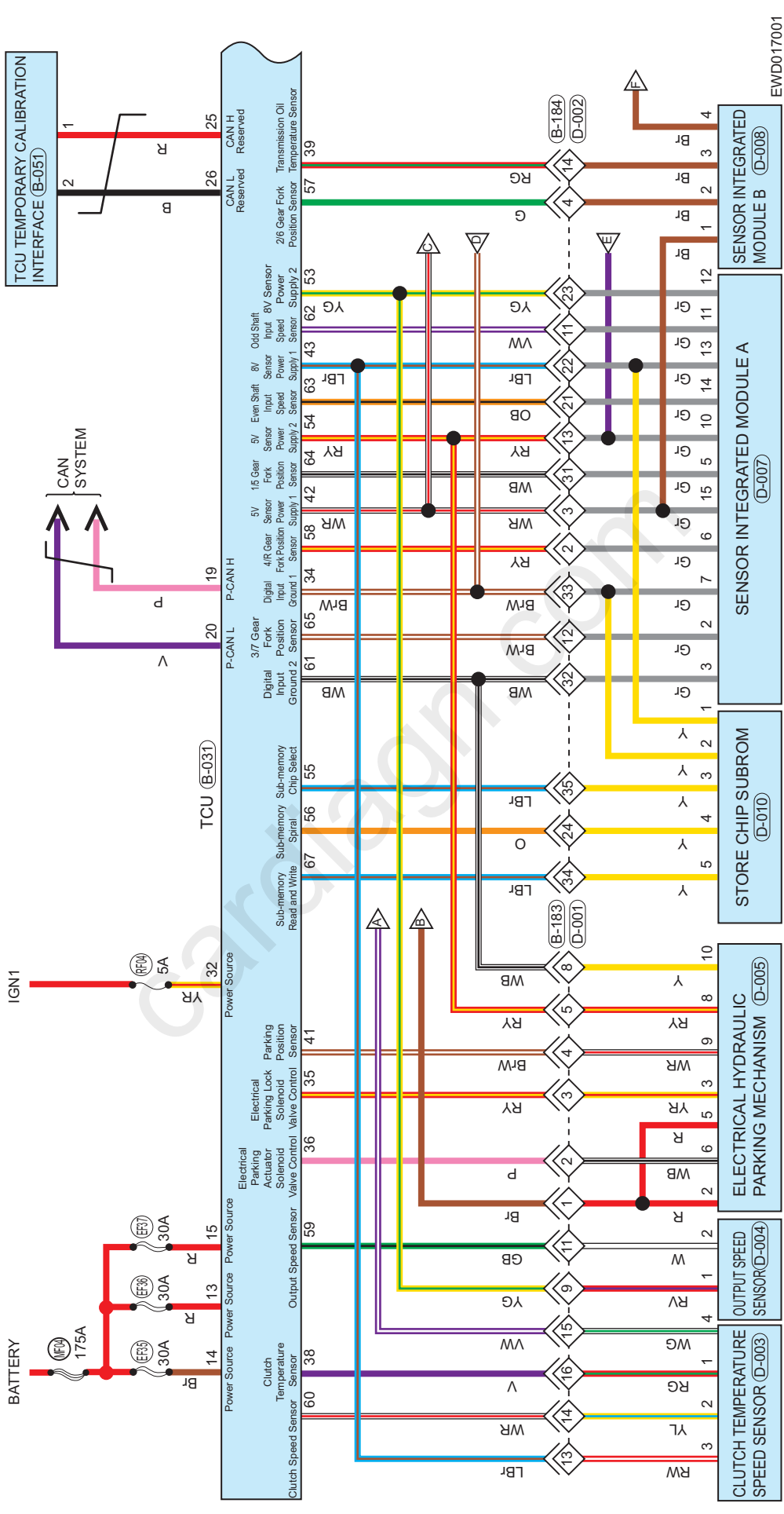


Engine Control System (EMS)

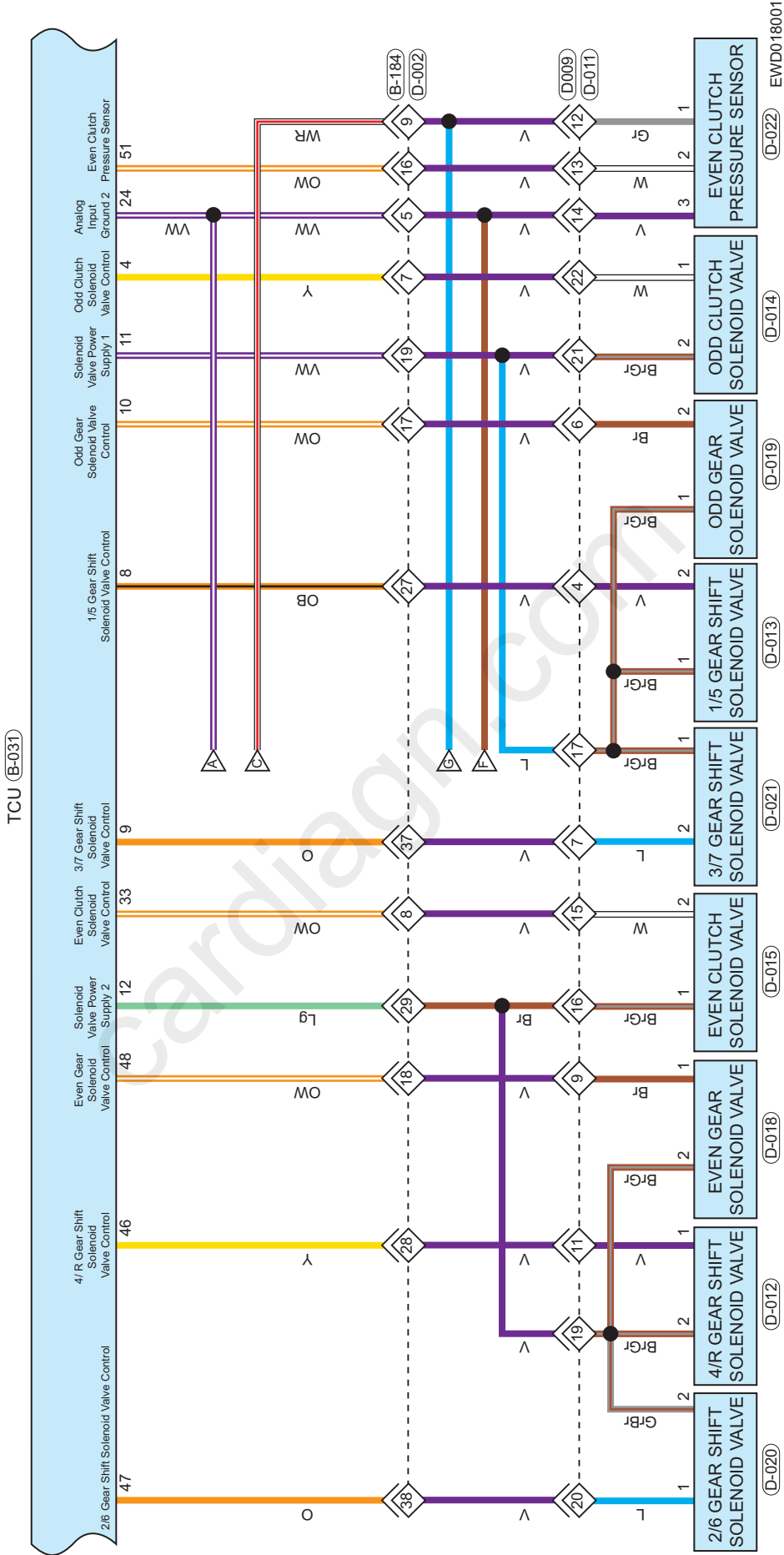


EWD016001

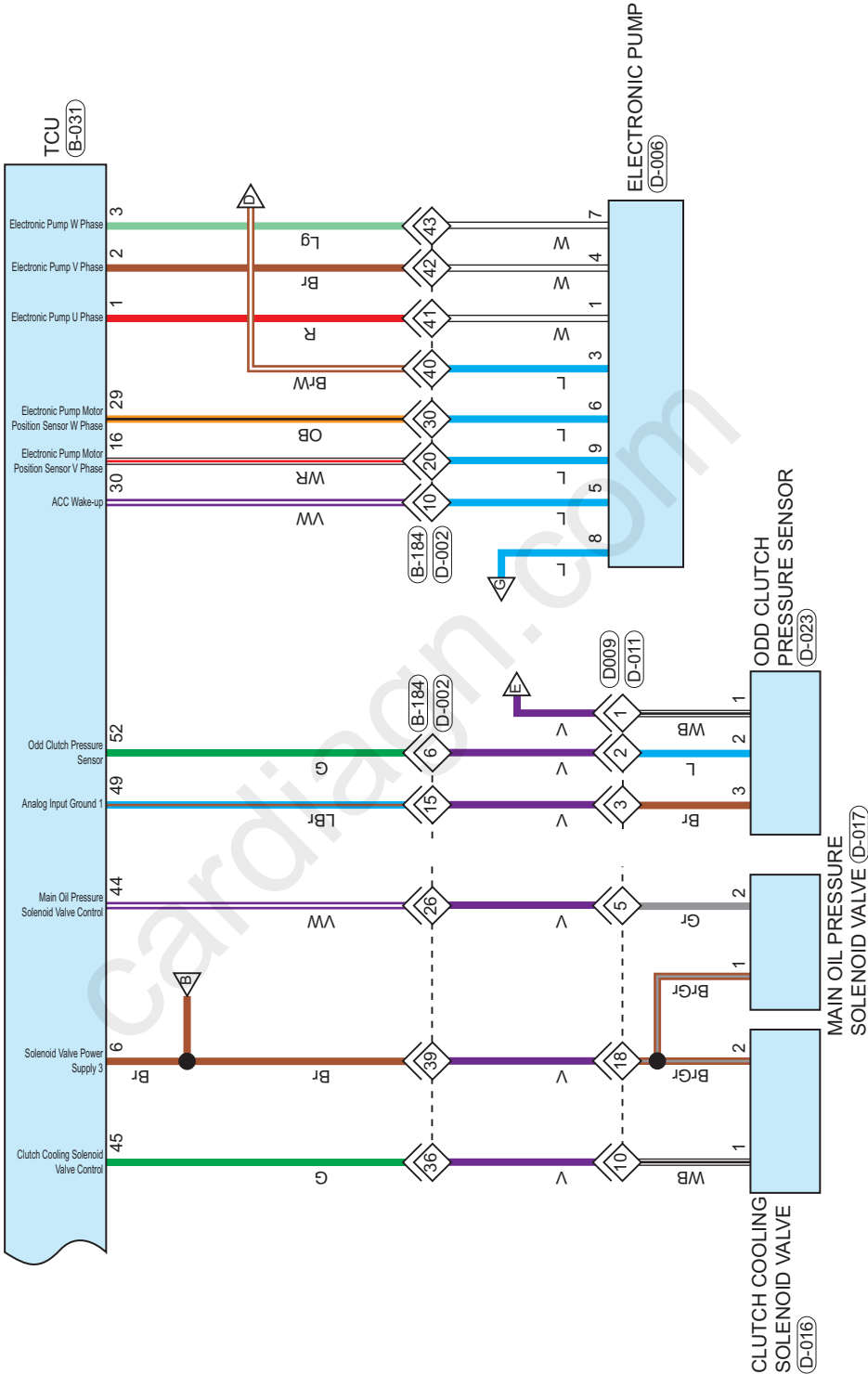
Transmission Control System (DCT)



Transmission Control System (DCT)



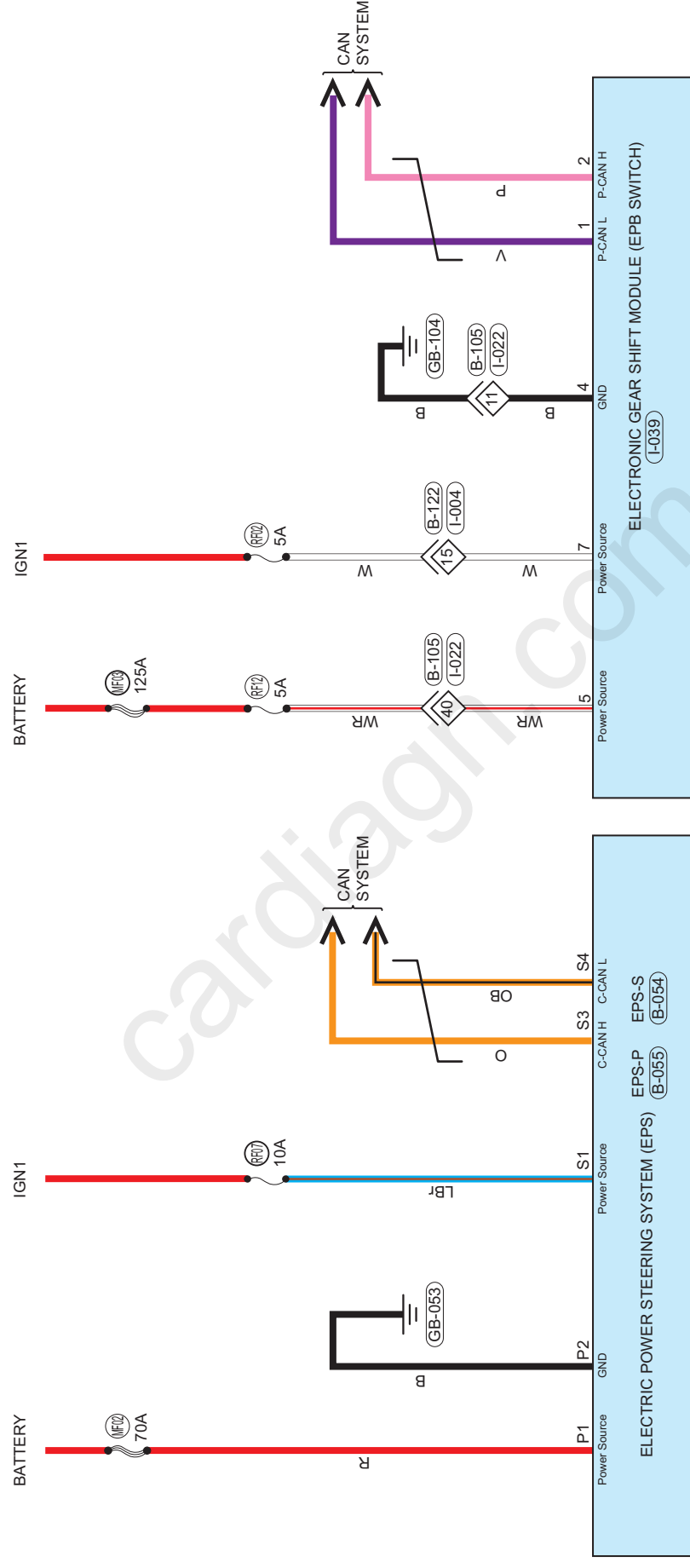
Transmission Control System (DCT)



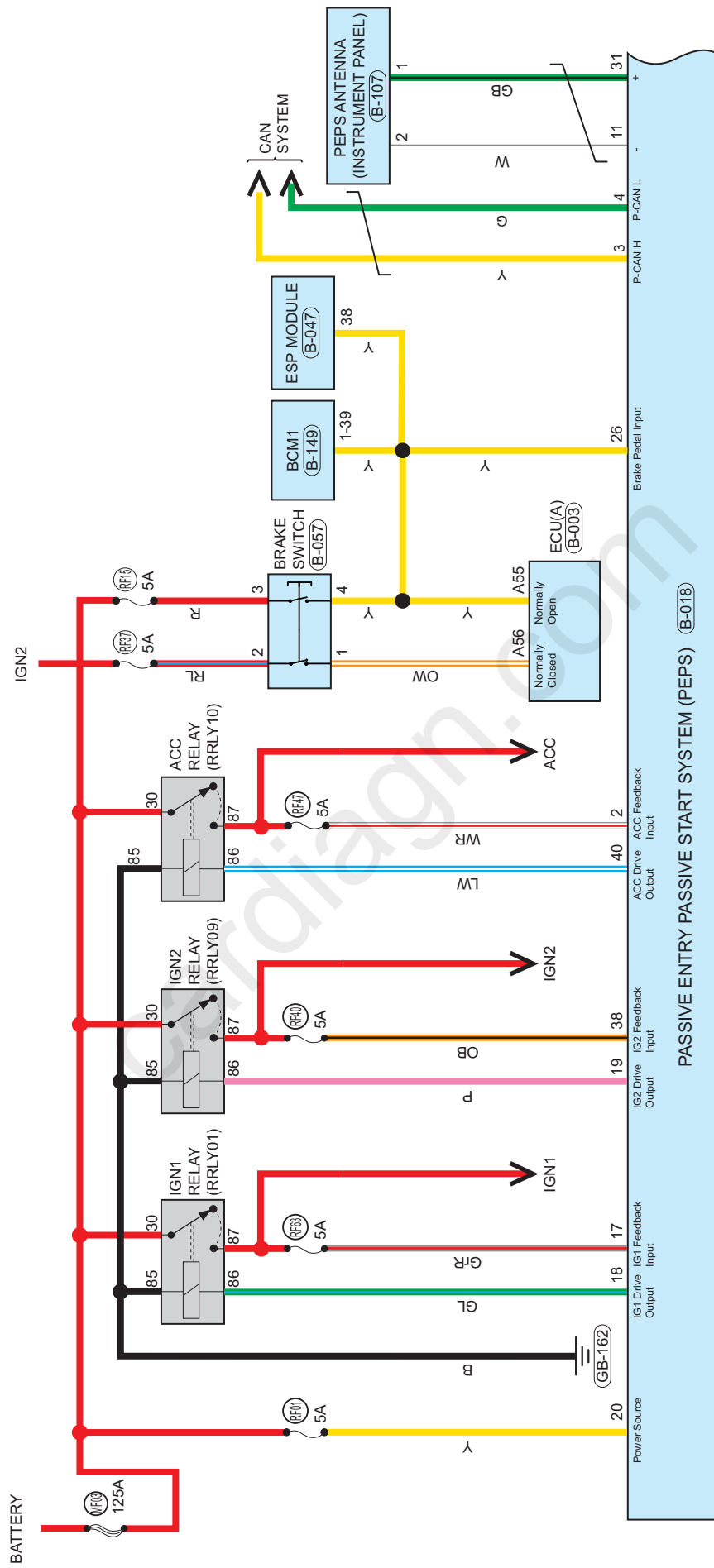
EWD070001



Electronic Power Steering System (EPS) / Electronic Shift Module(EGS)



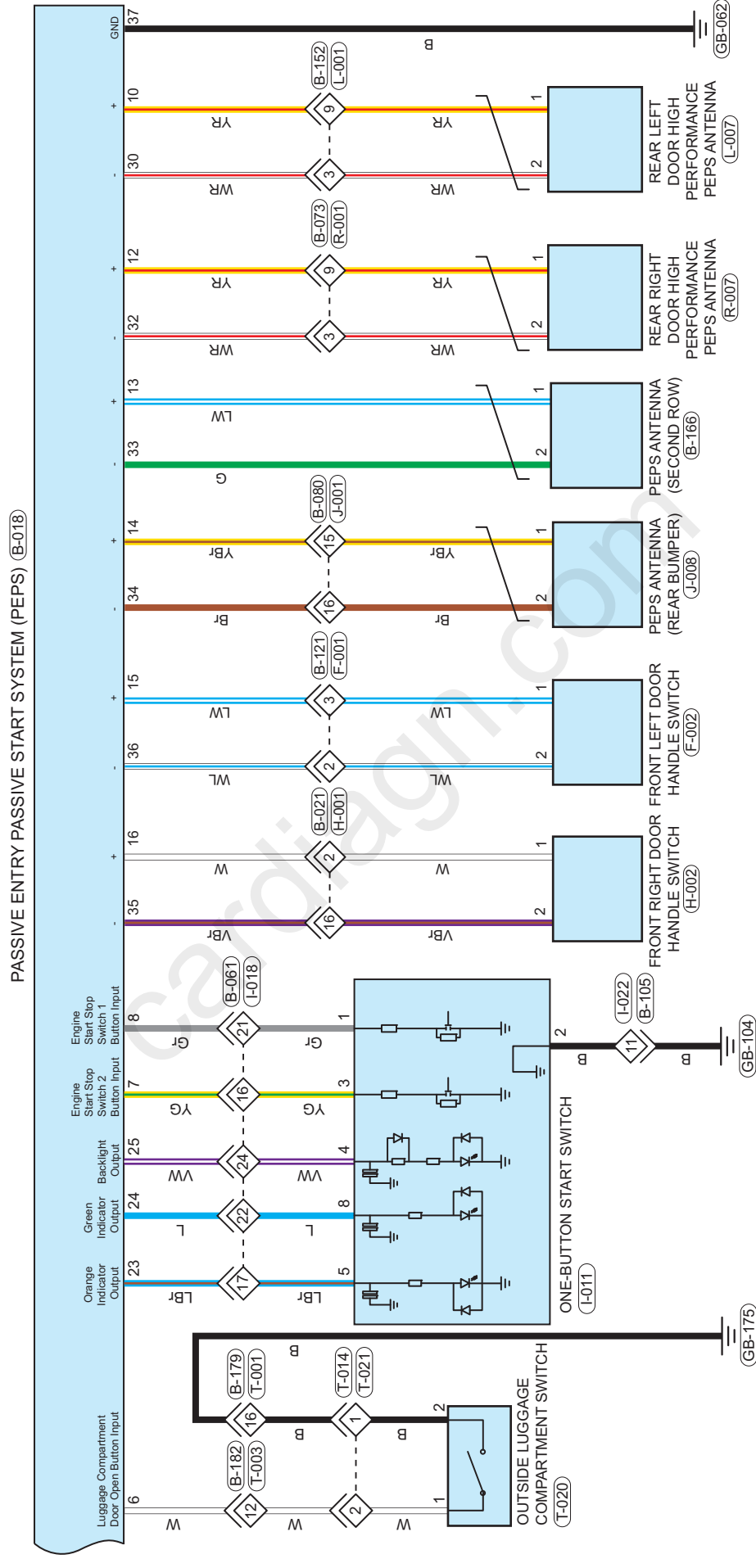
Passive Entry and Passive Start System



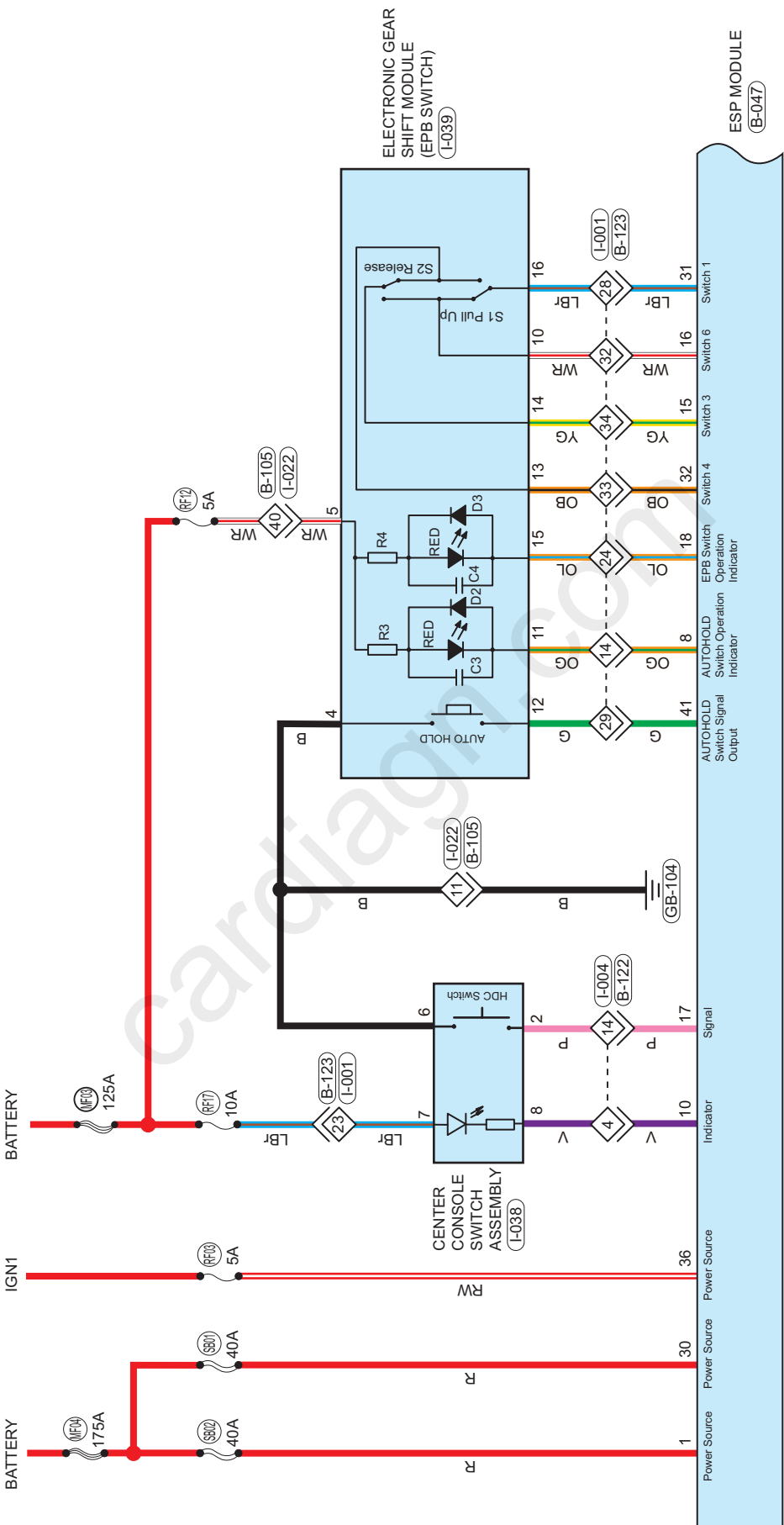
EWD020001



Passive Entry and Passive Start System



Electronic Stability System (Integrated EPB Module)



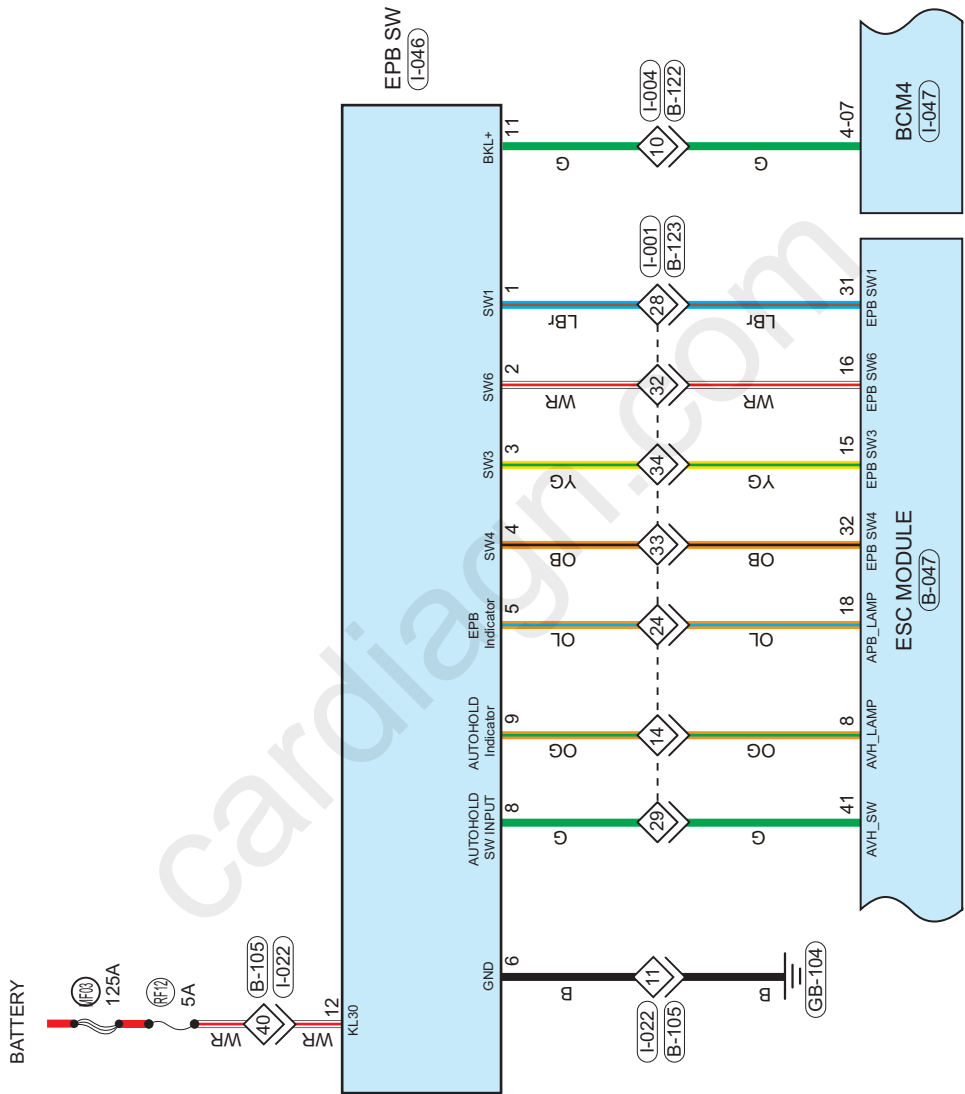
EWD022001



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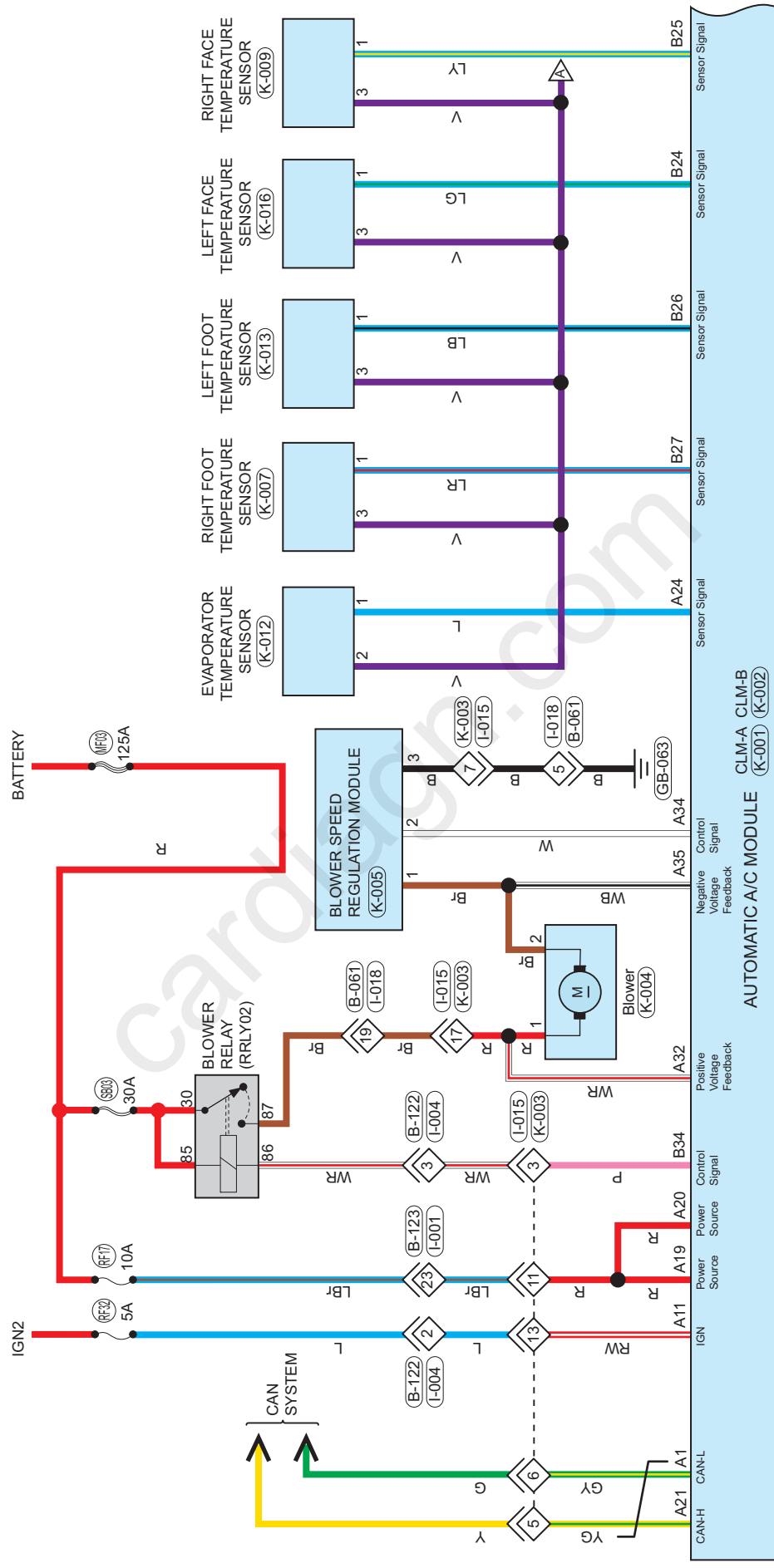
Electronic Stability System (Integrated EPB Module)



EWD023002

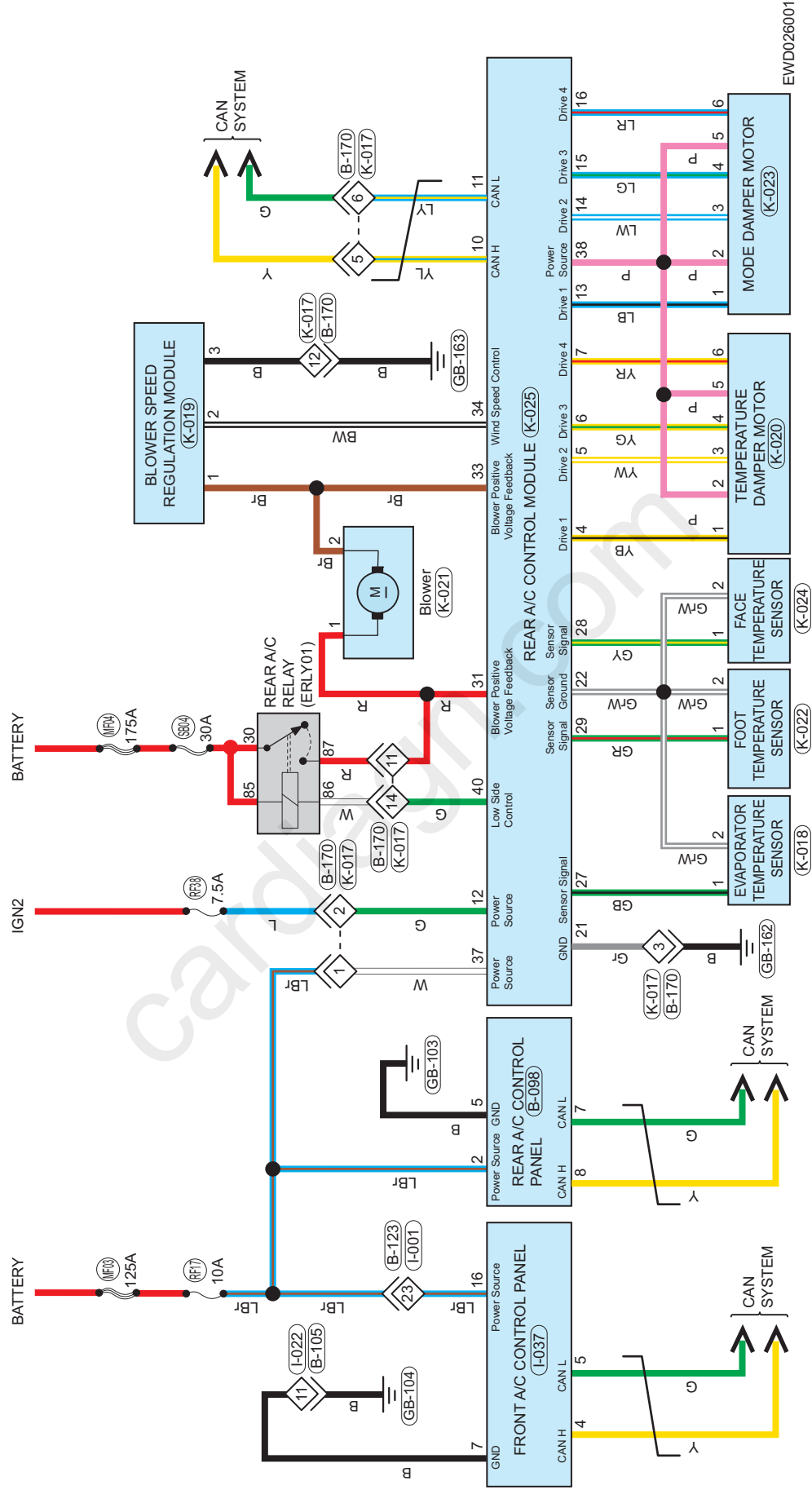


Automatic A/C System (CLM)

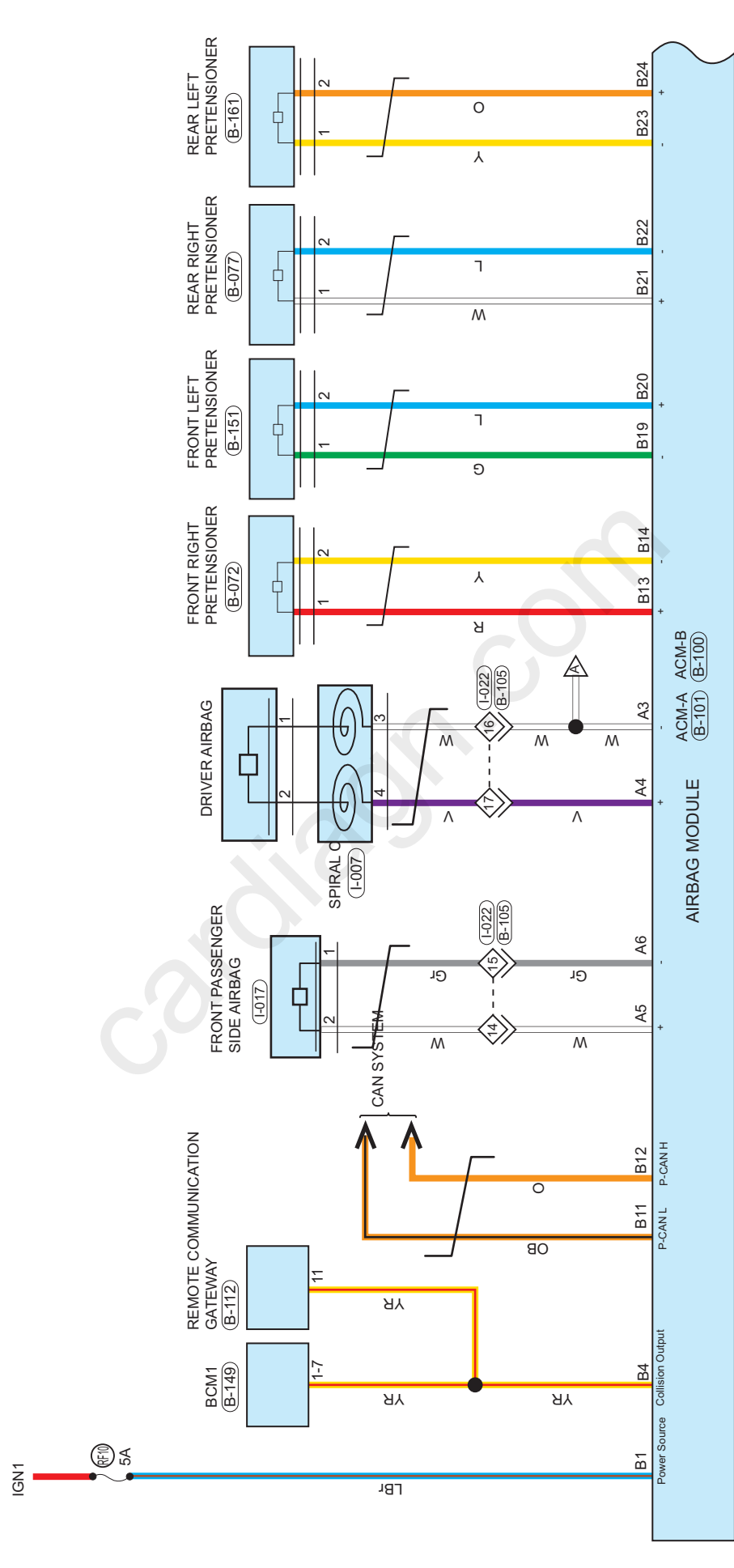


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Automatic A/C System (CLM)



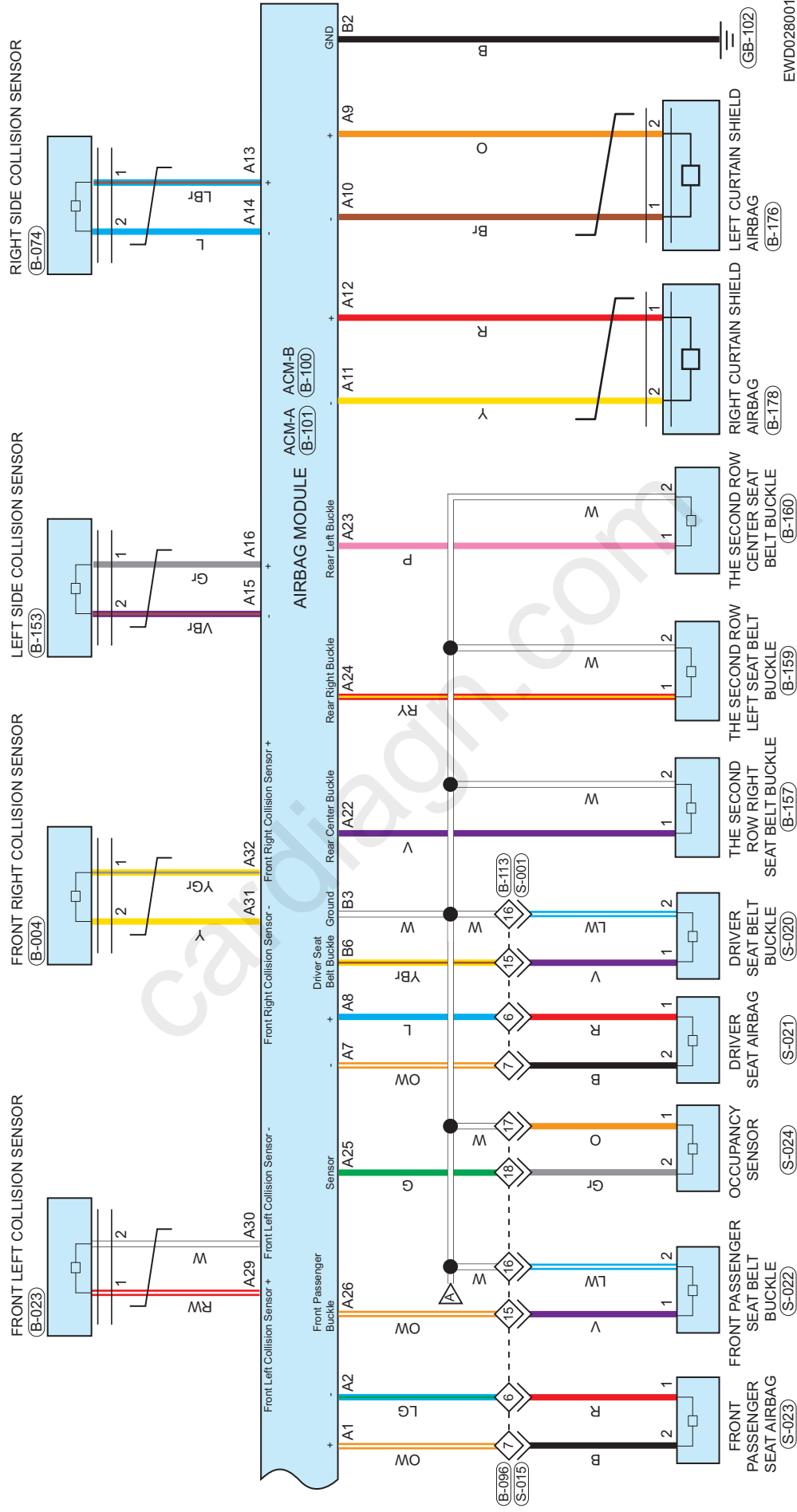
Supplemental Restraint System



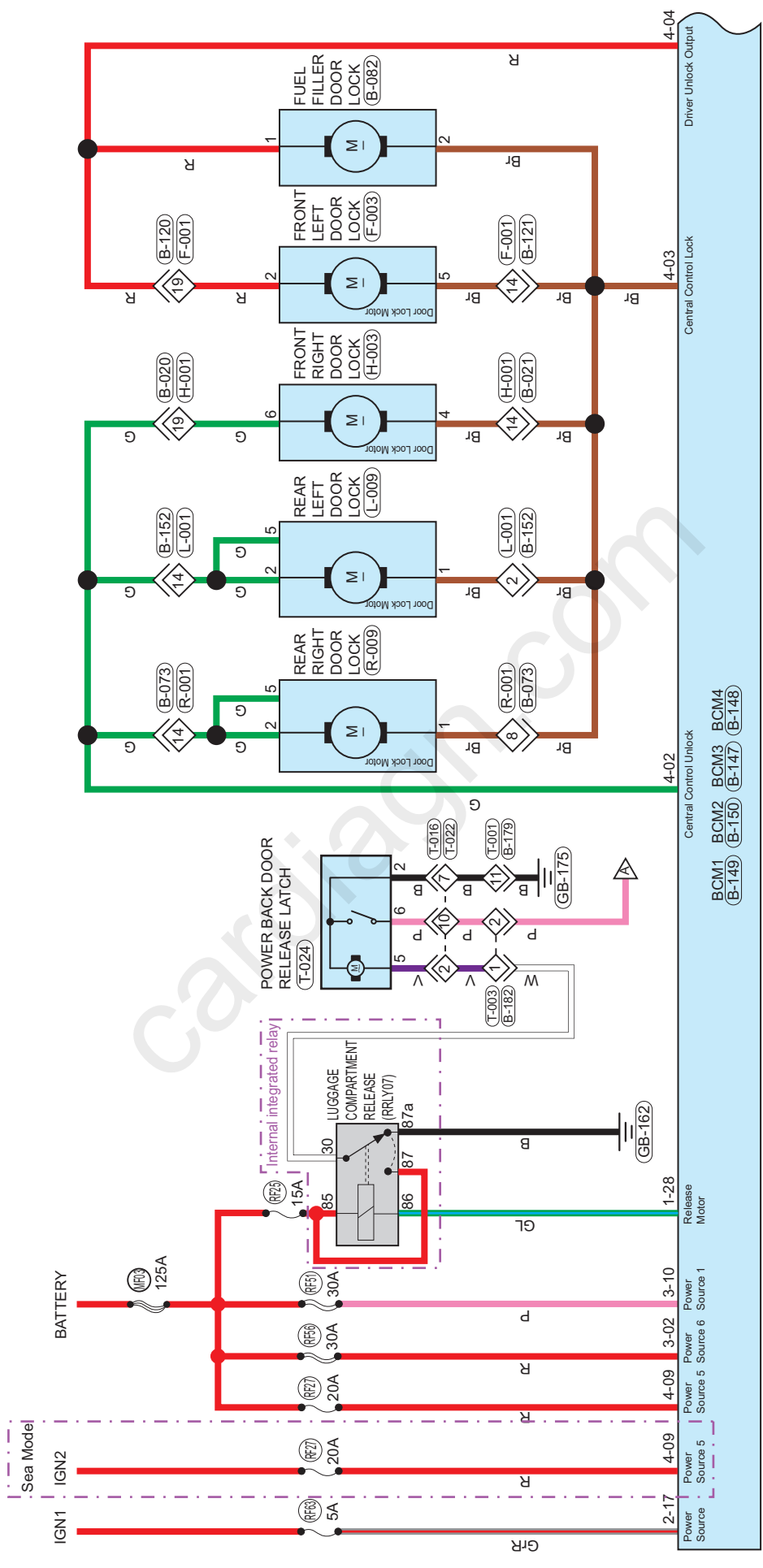
EWD027001



Supplemental Restraint System



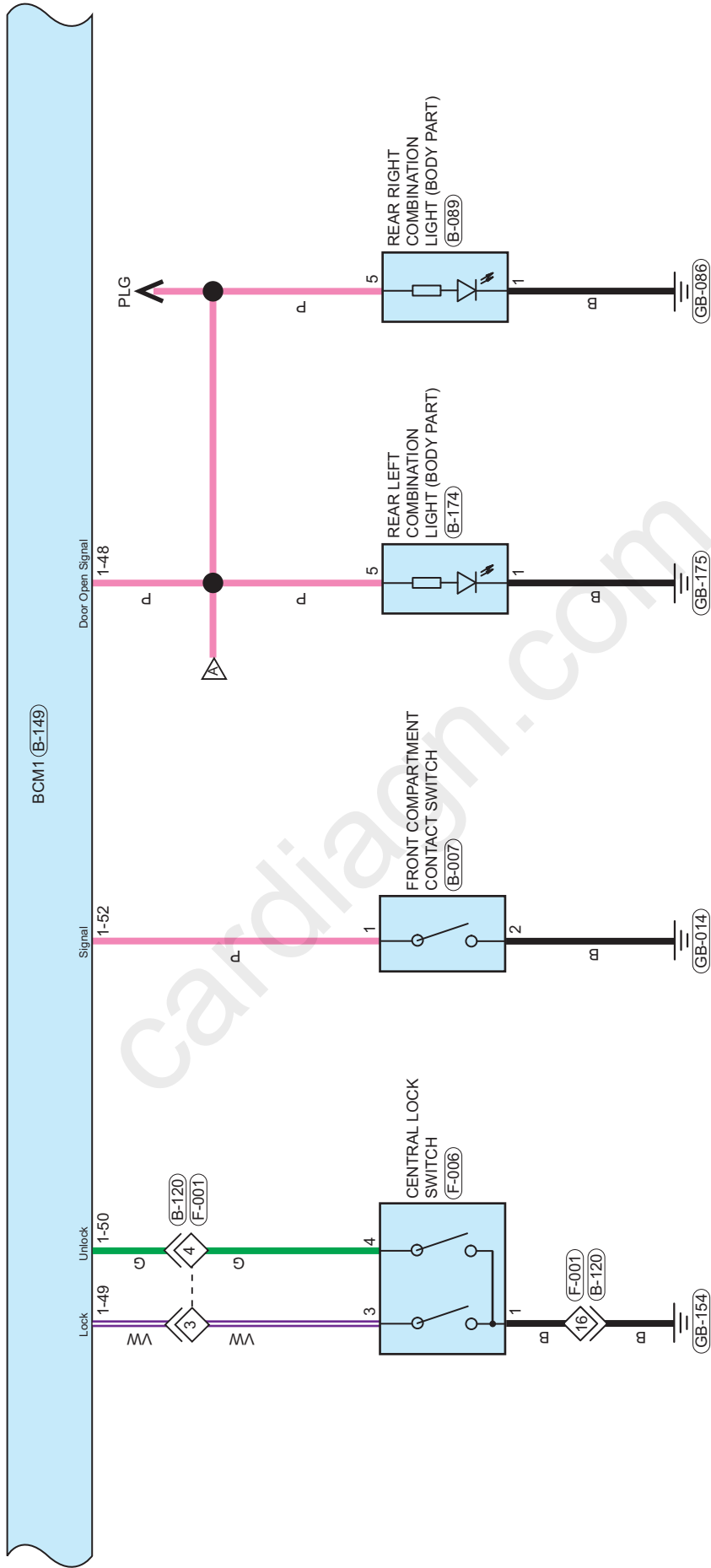
Body Control Module (BCM)



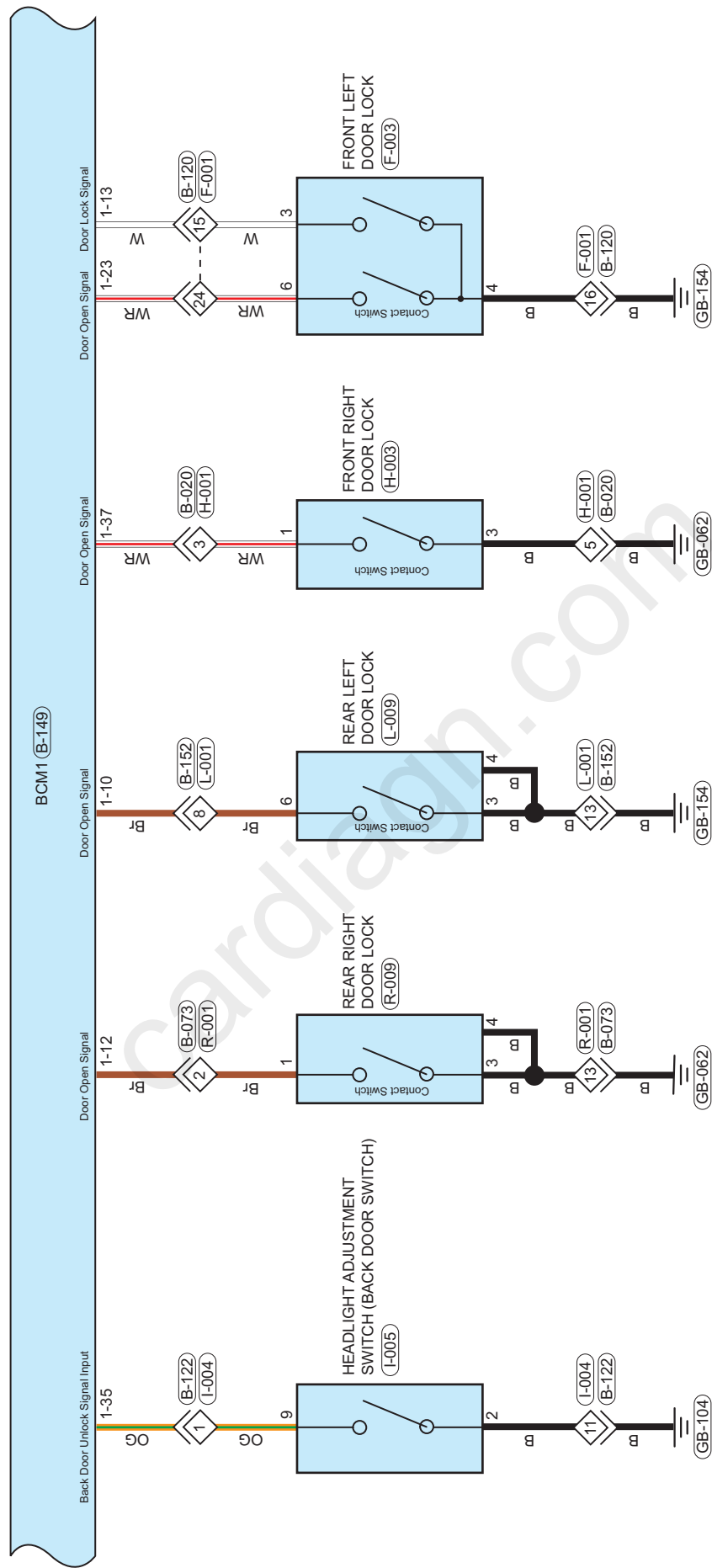
EWD029001



Body Control Module (BCM)

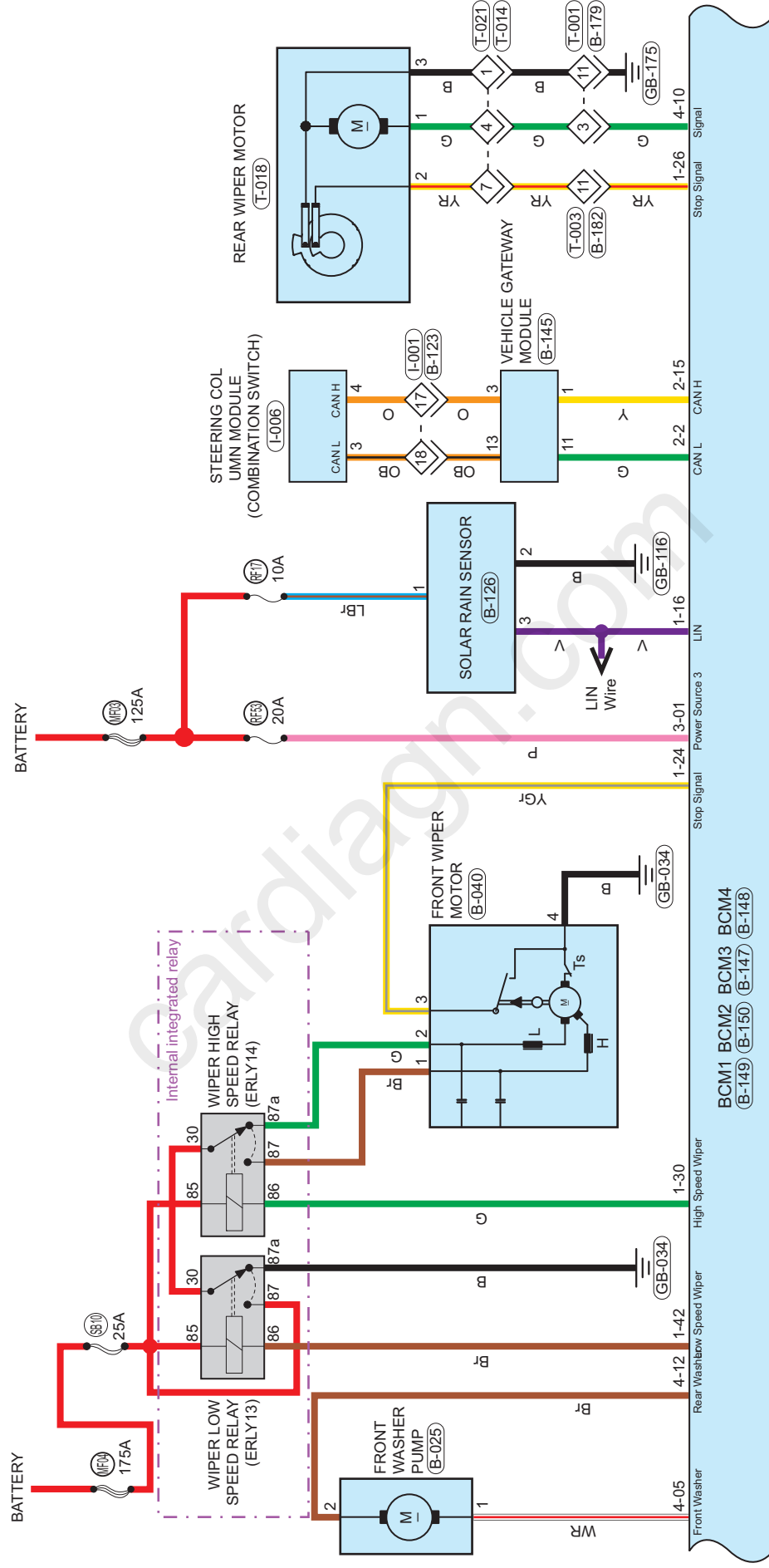


Body Control Module (BCM)



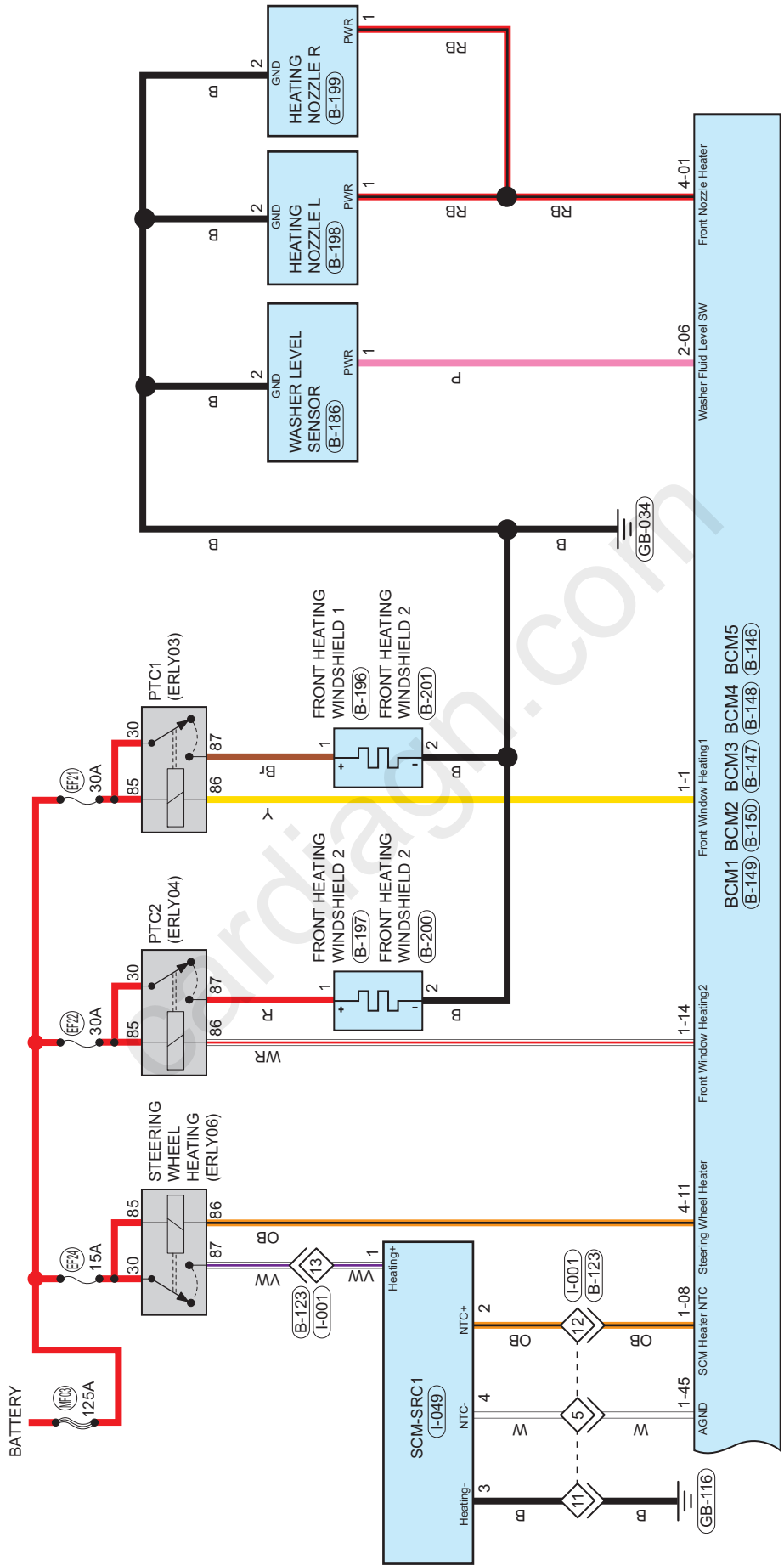
EWD030002

Body Control Module (BCM)



EWD031001

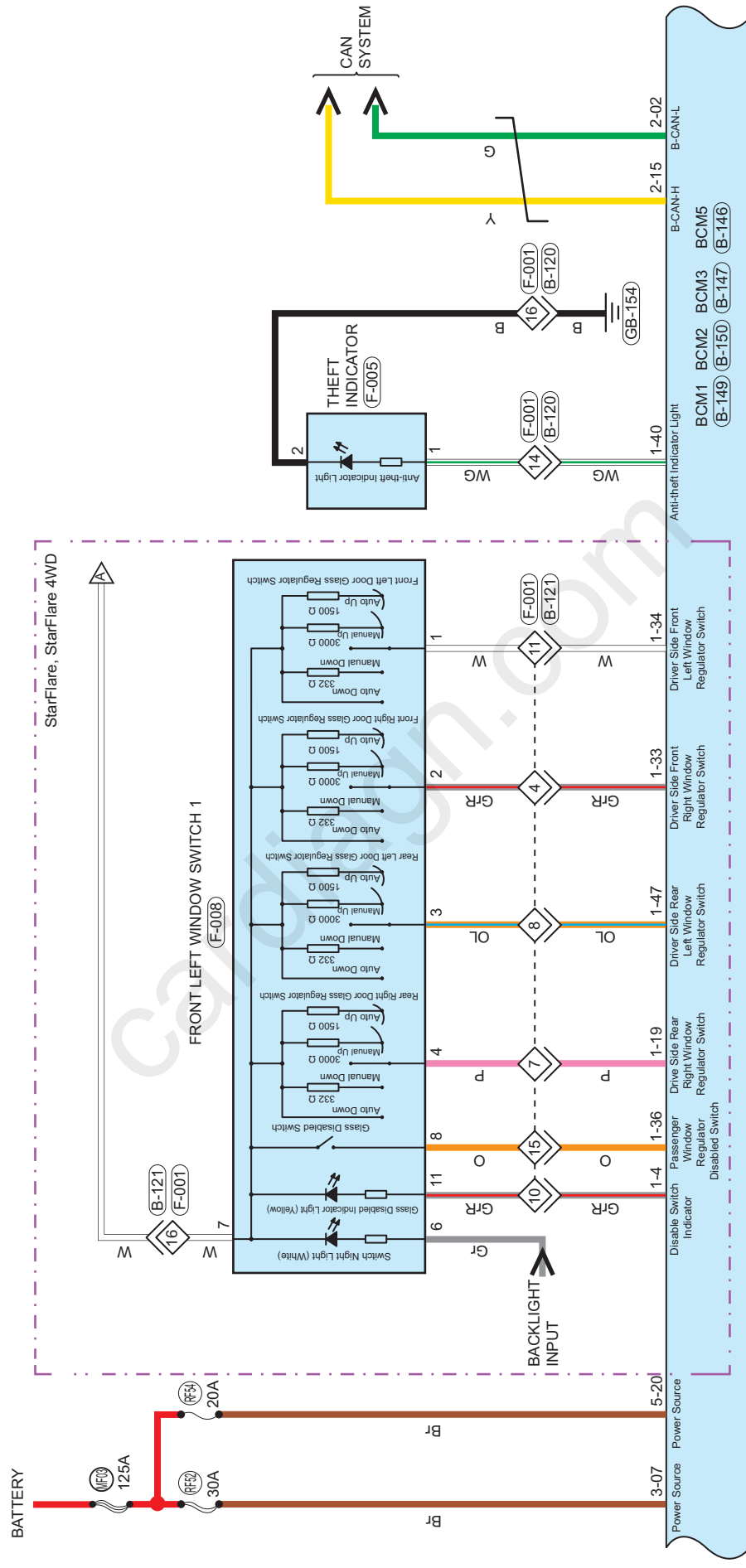
Body Control Module (BCM)



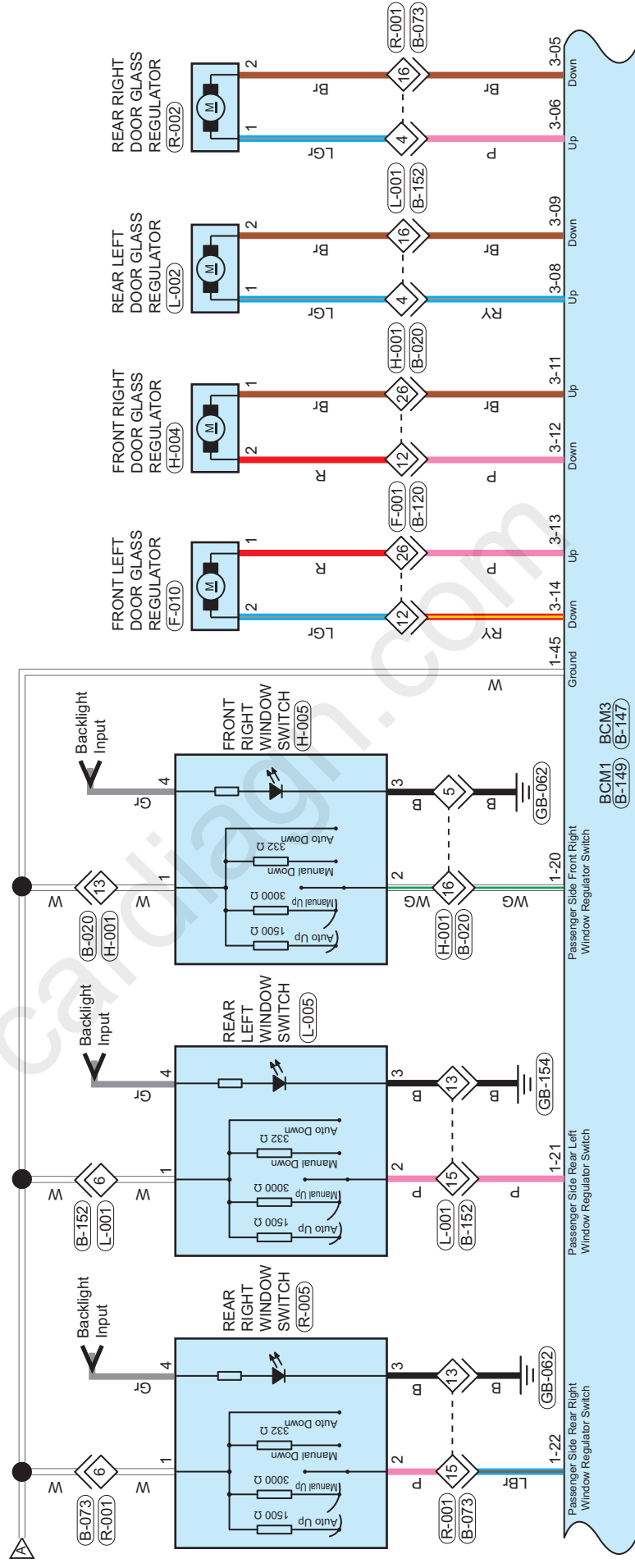
EWD031002



Body Control Module (BCM)

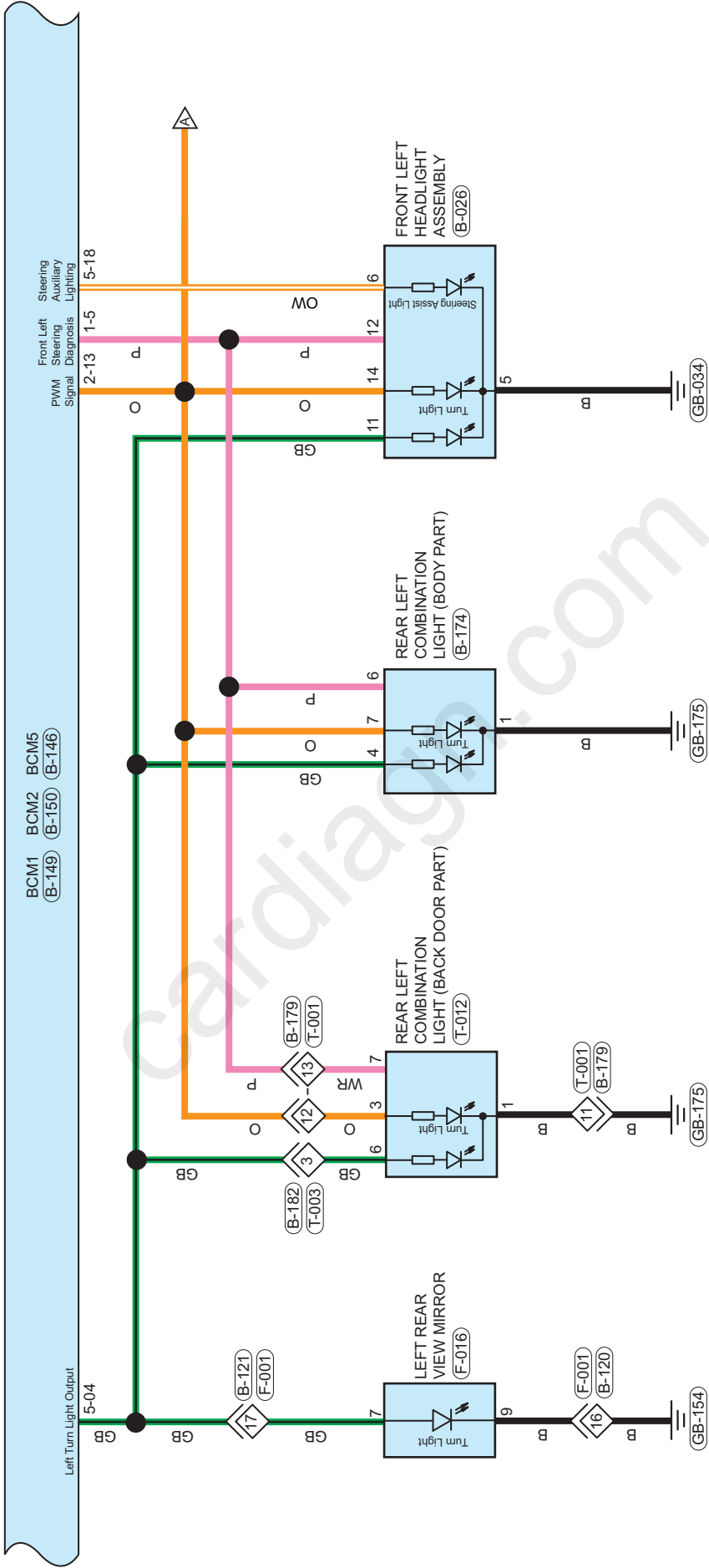


Body Control Module (BCM)

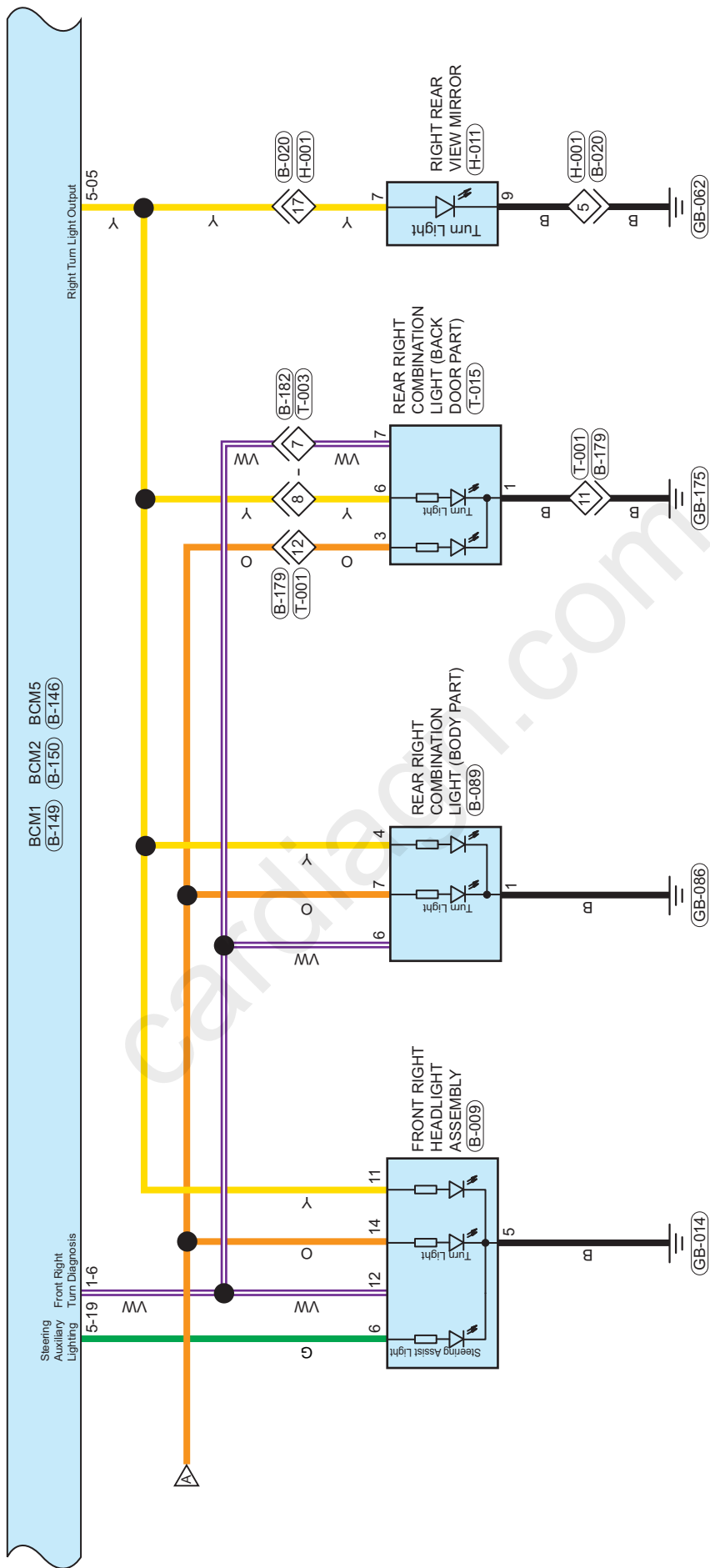


EWD034001

Body Control Module (BCM)



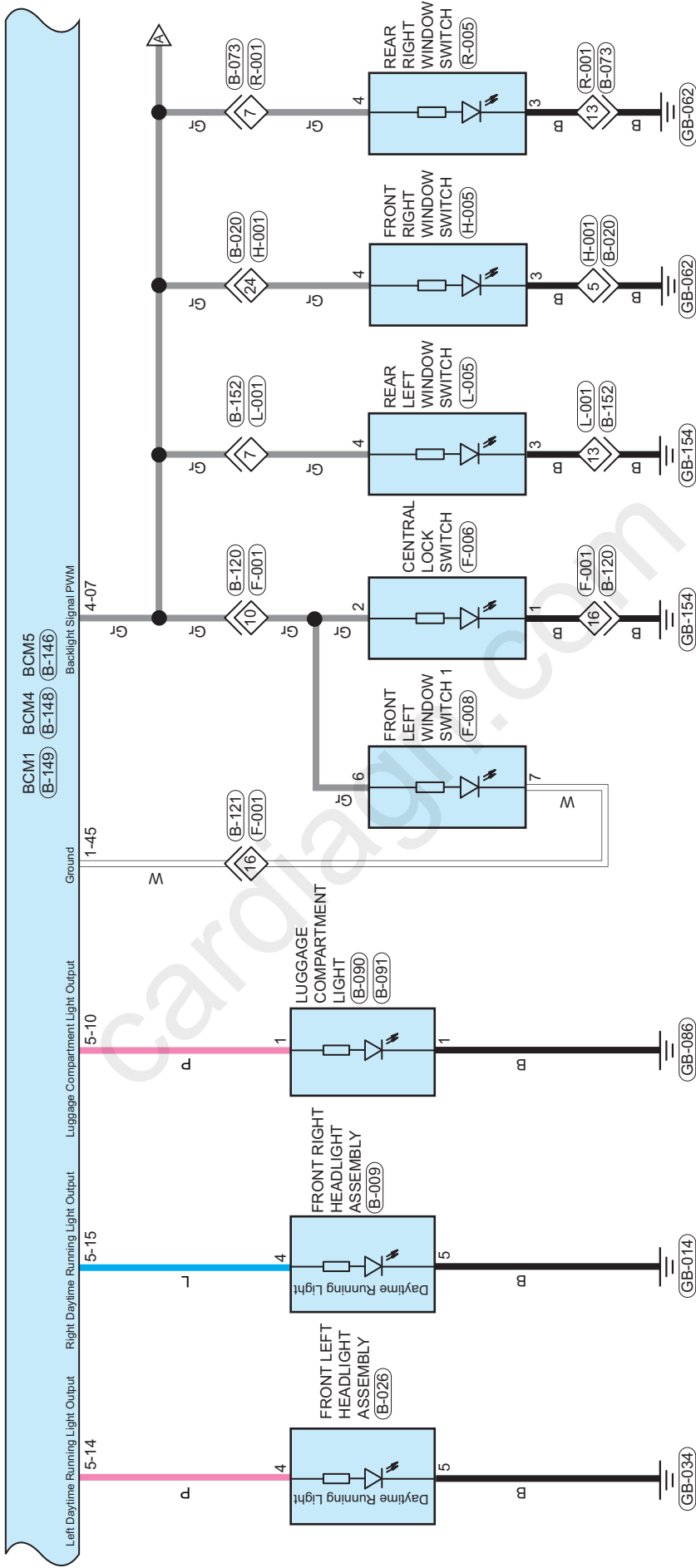
Body Control Module (BCM)



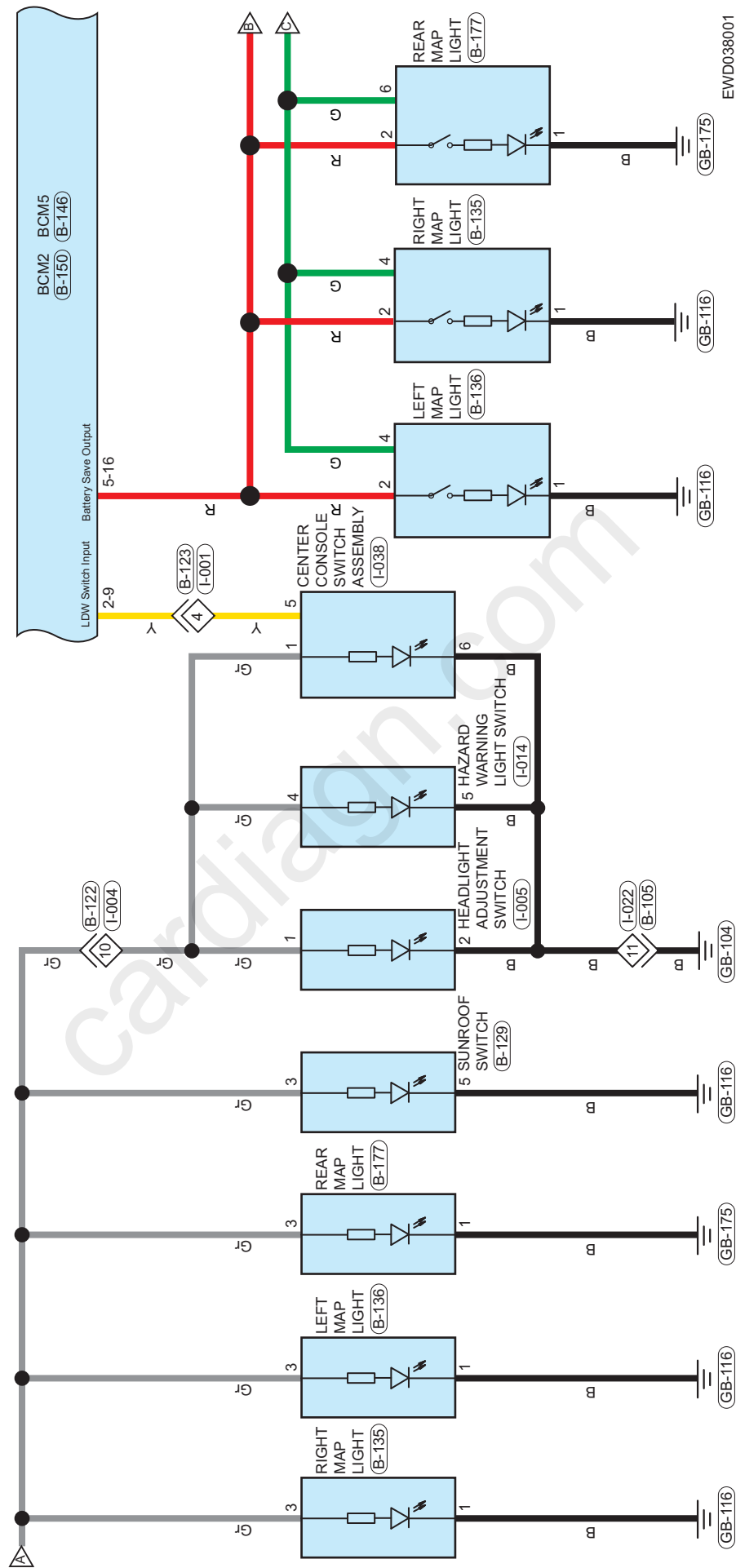
EWD036002



Body Control Module (BCM)

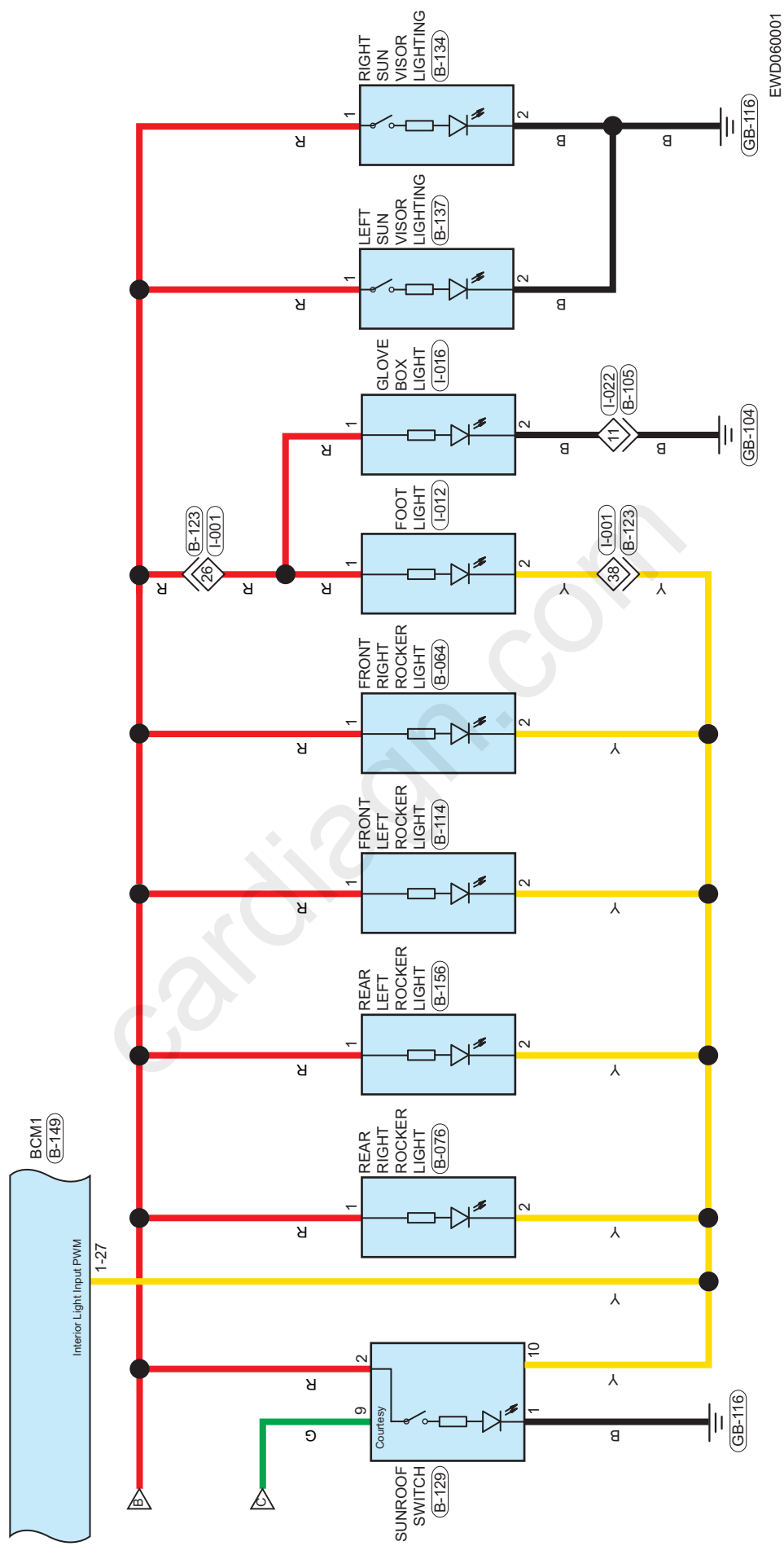


Body Control Module (BCM)

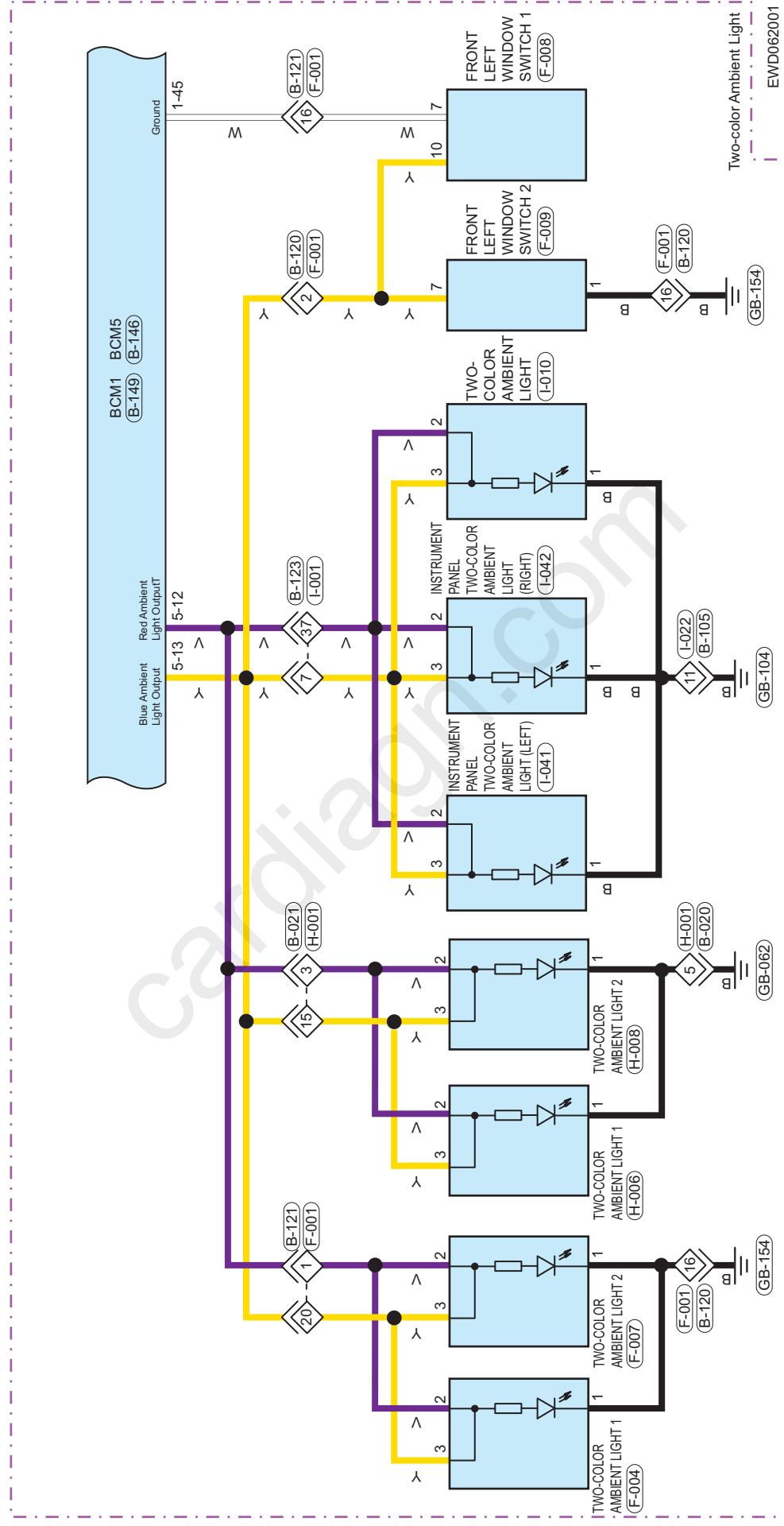


EWD038001

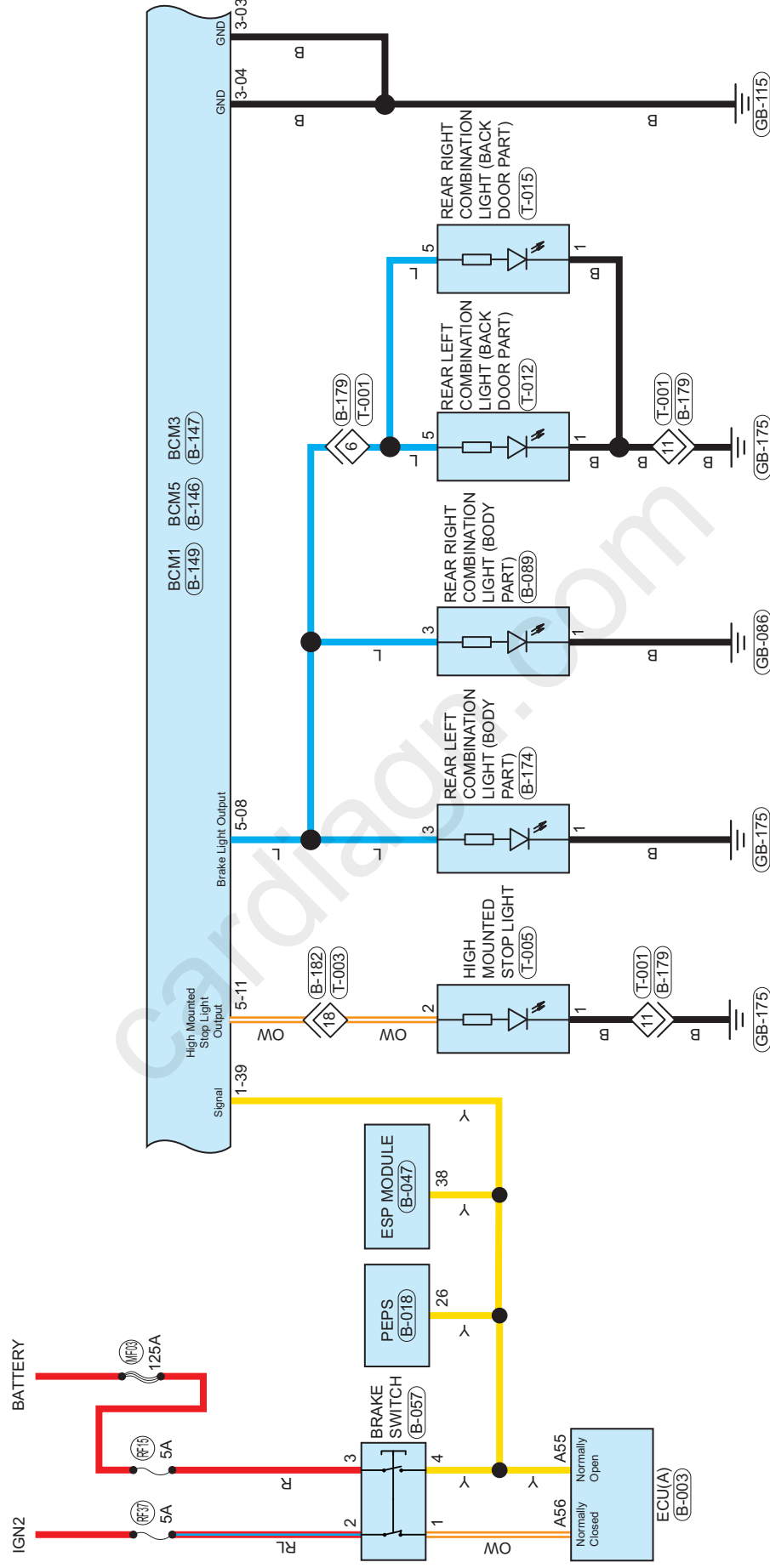
Body Control Module (BCM)



Body Control Module (BCM)

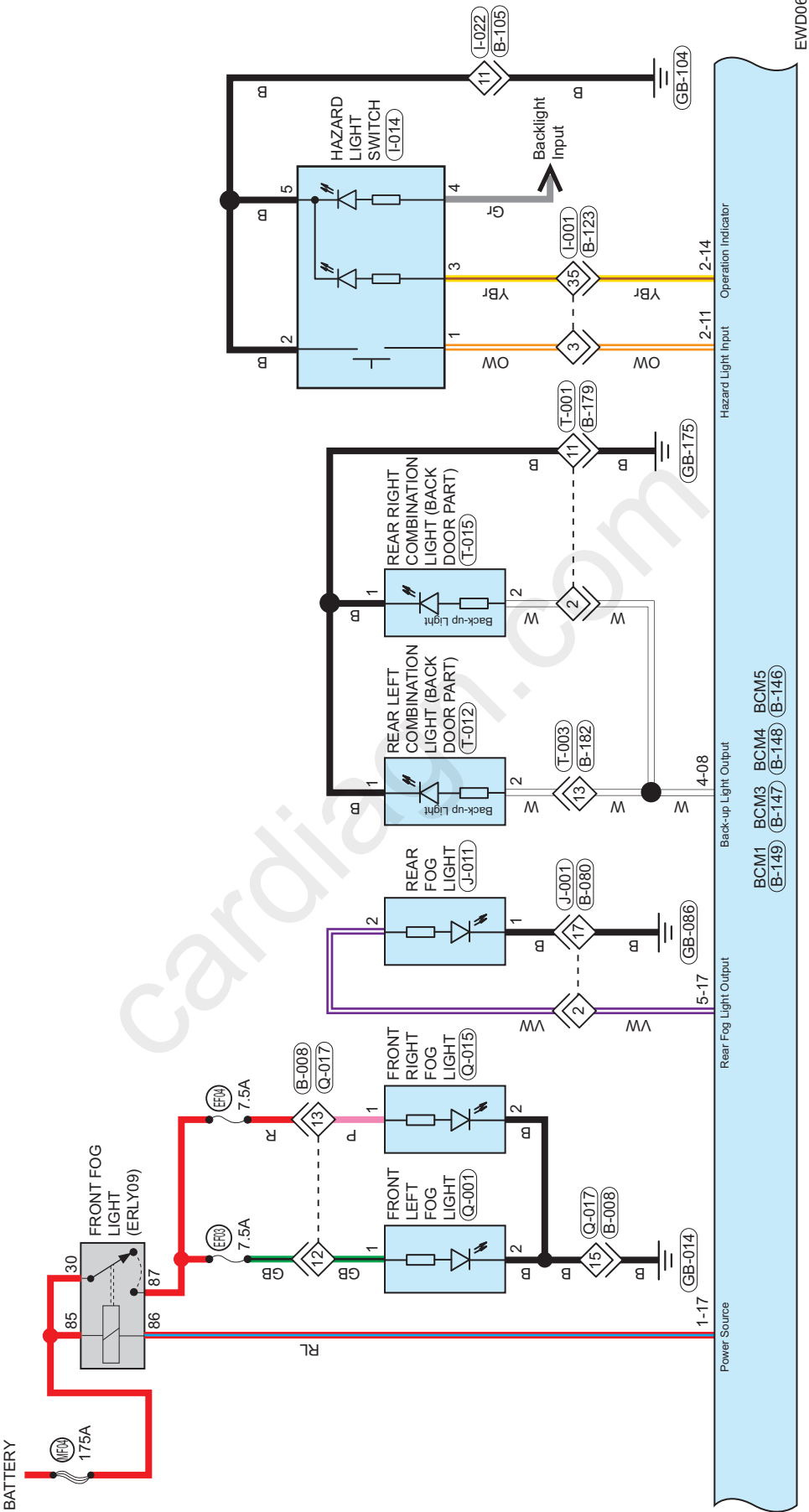


Body Control Module (BCM)



EWD063001

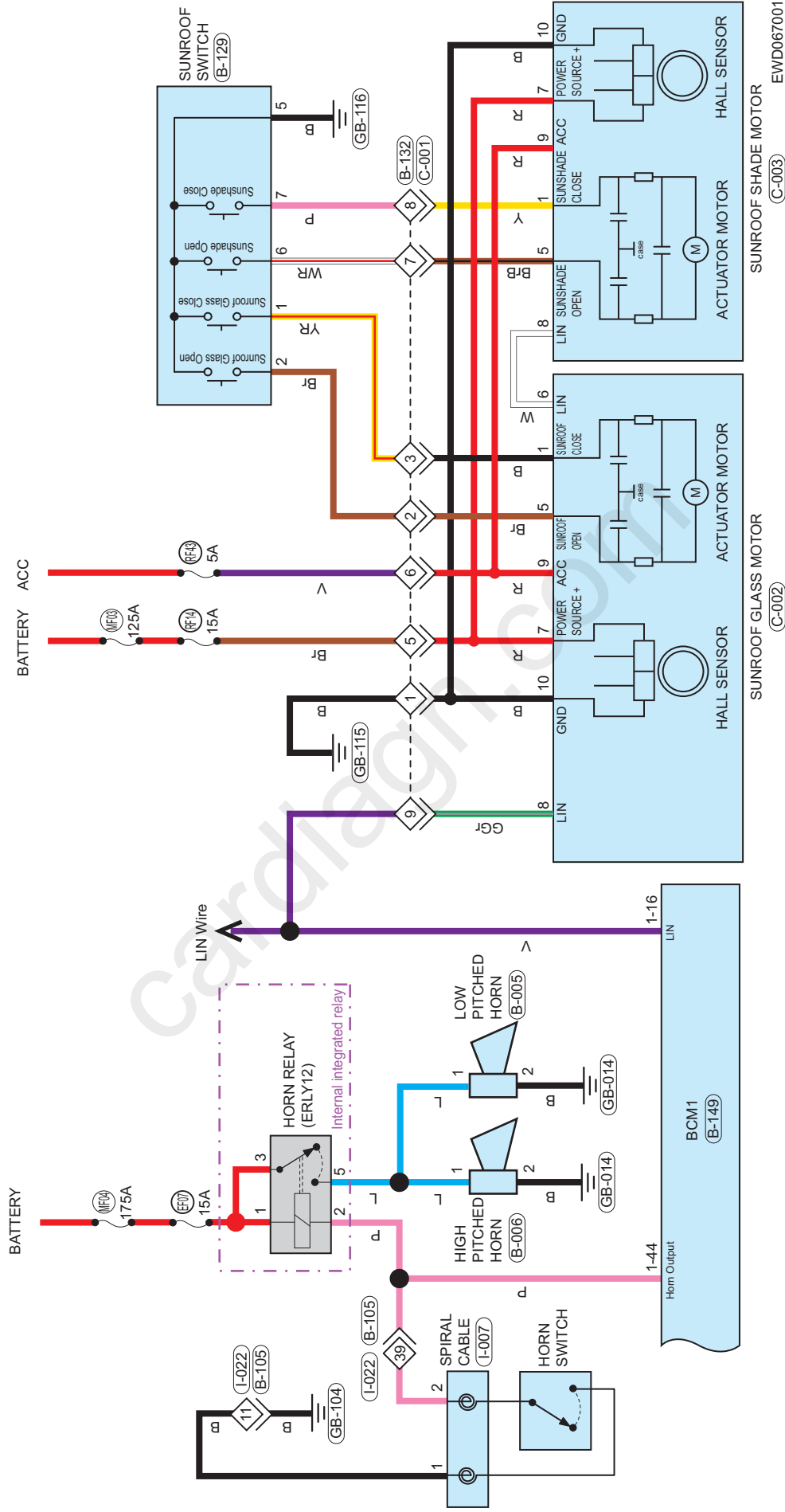
Body Control Module (BCM)



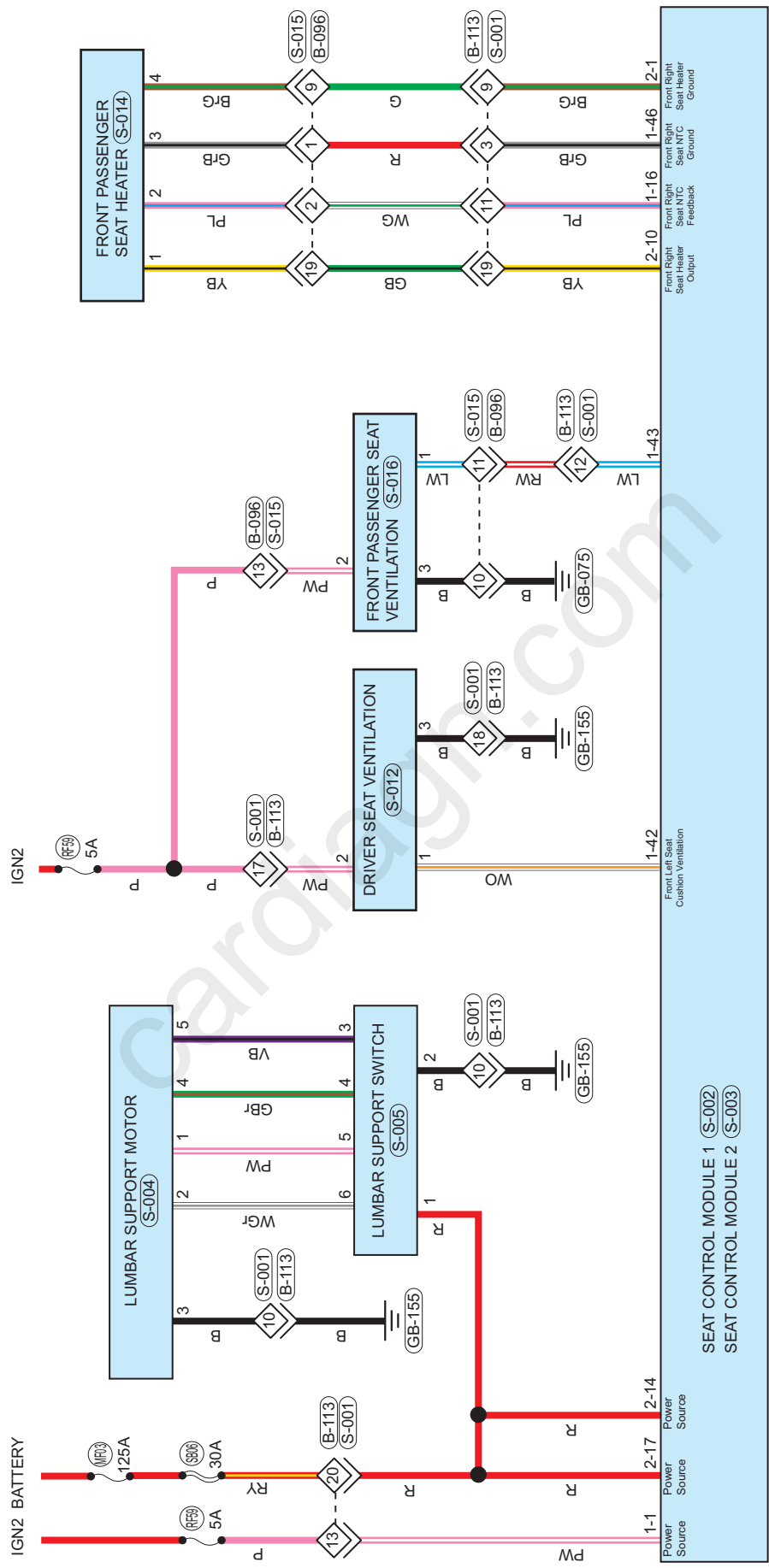
EWD064001



Body Control Module (BCM)



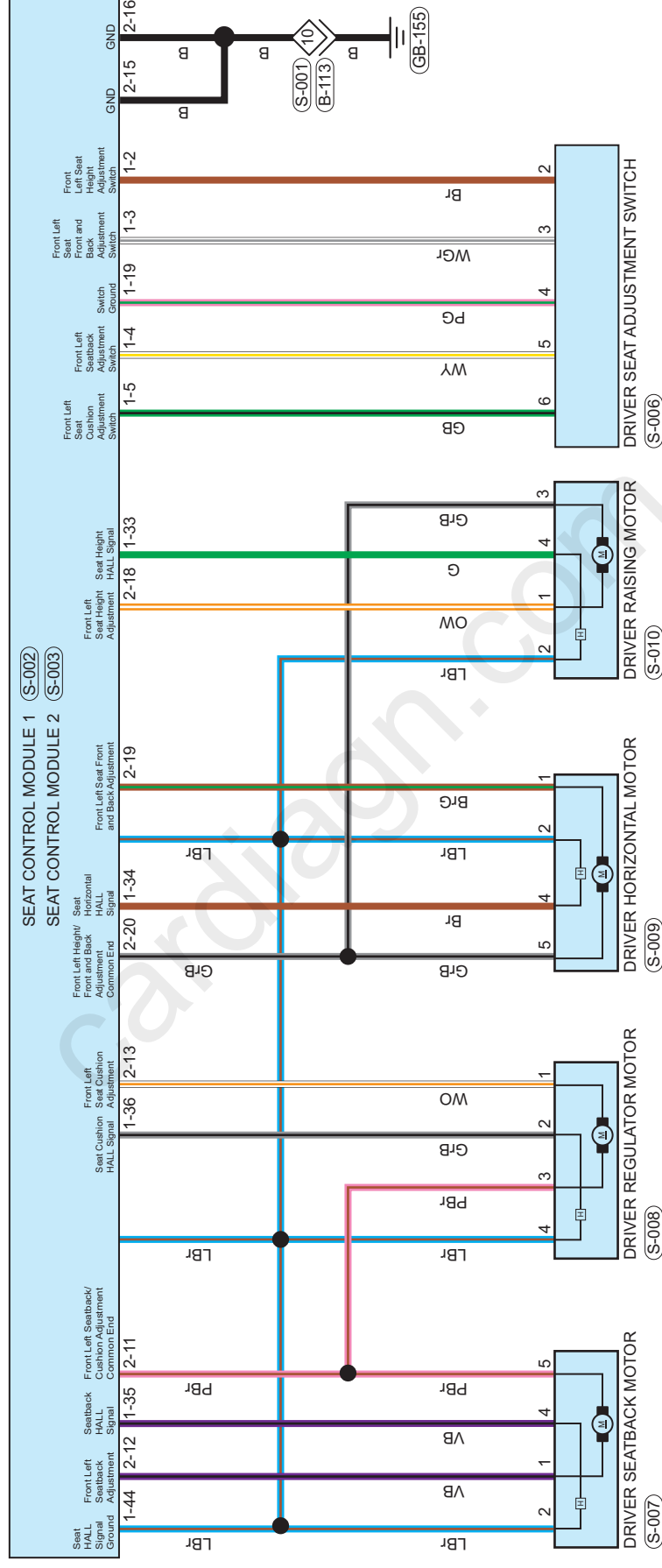
Seat Control Module (SCU)



EWD065001



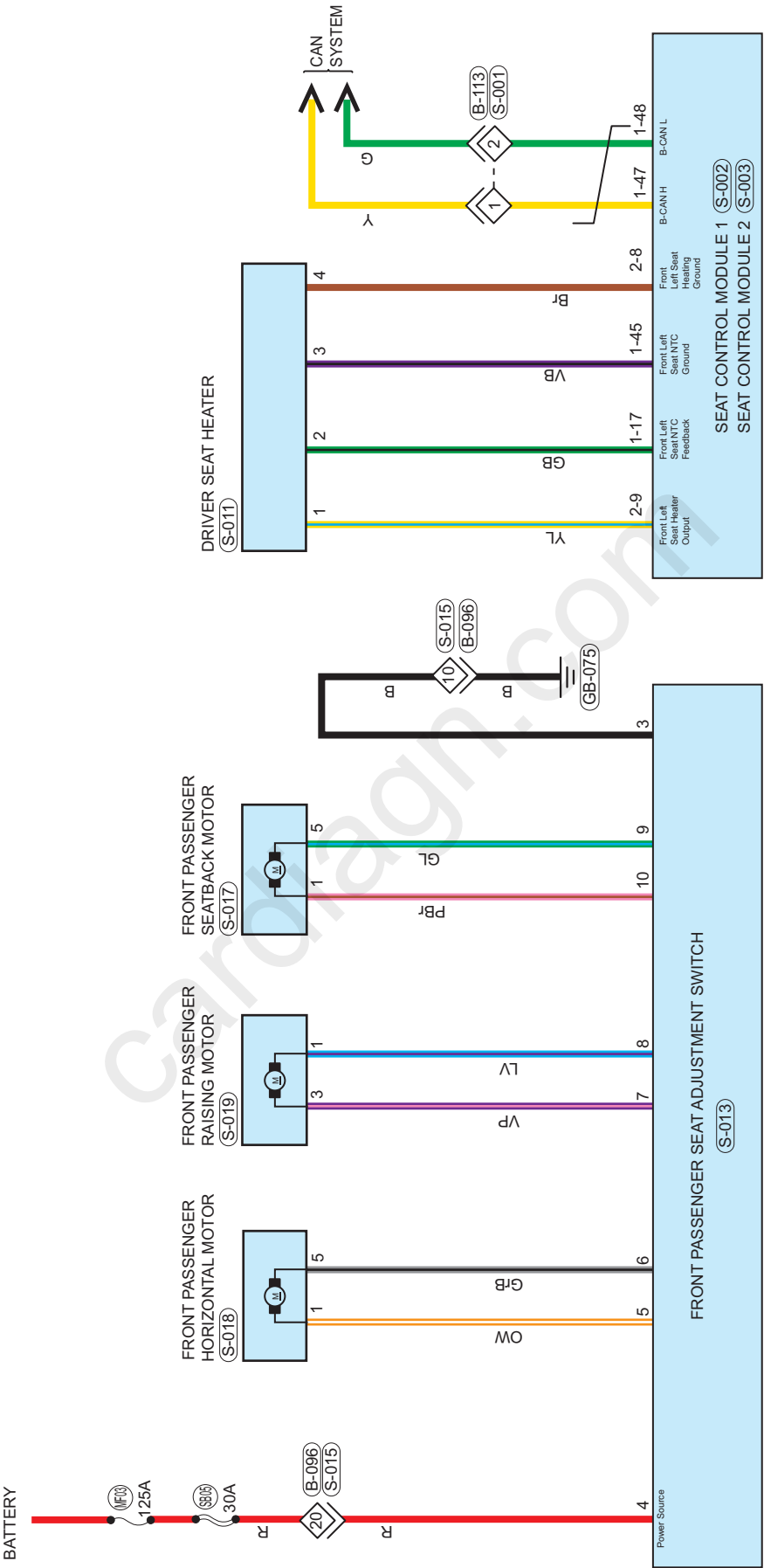
Seat Control Module (SCU)



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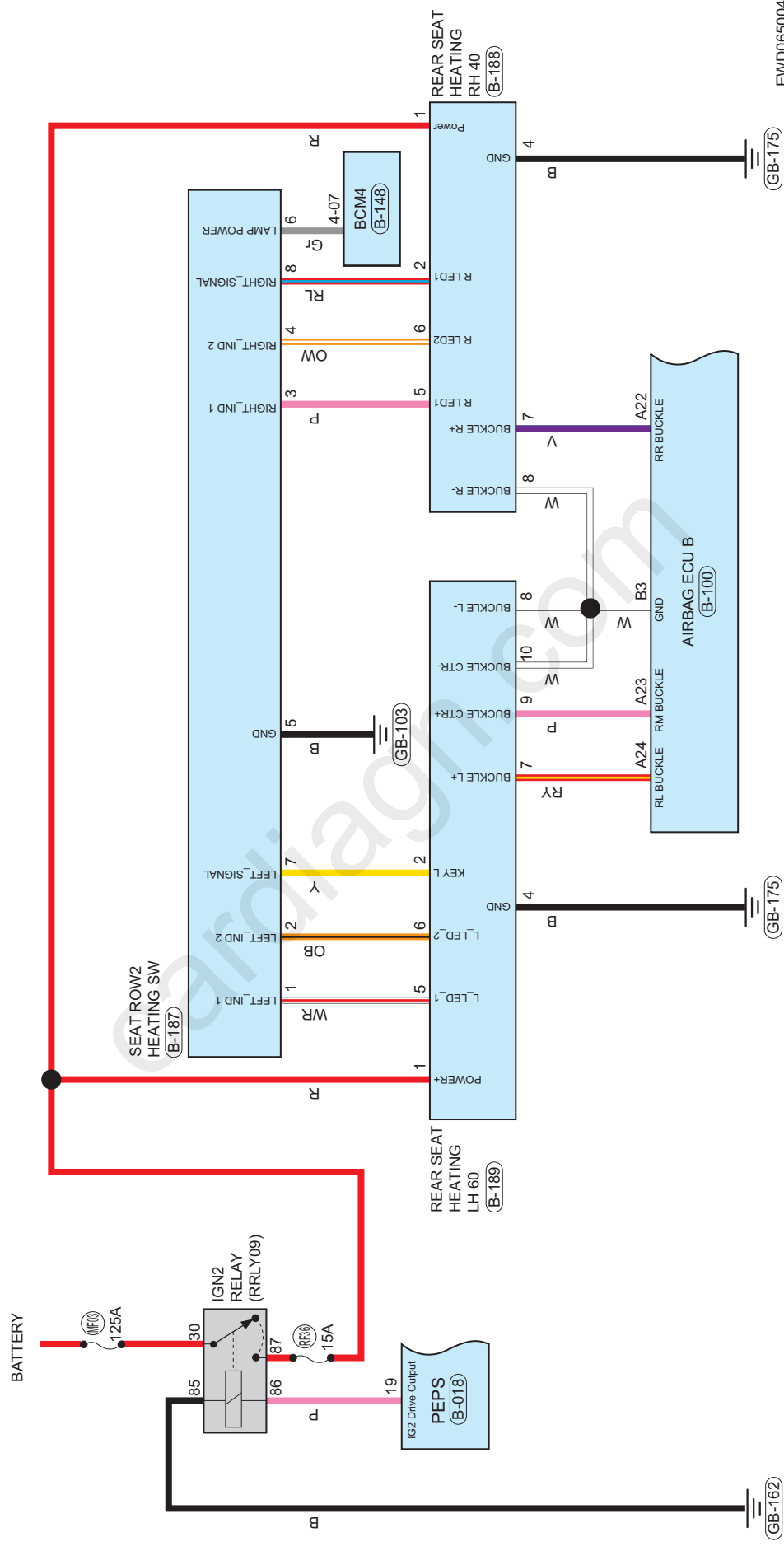
Seat Control Module (SCU)



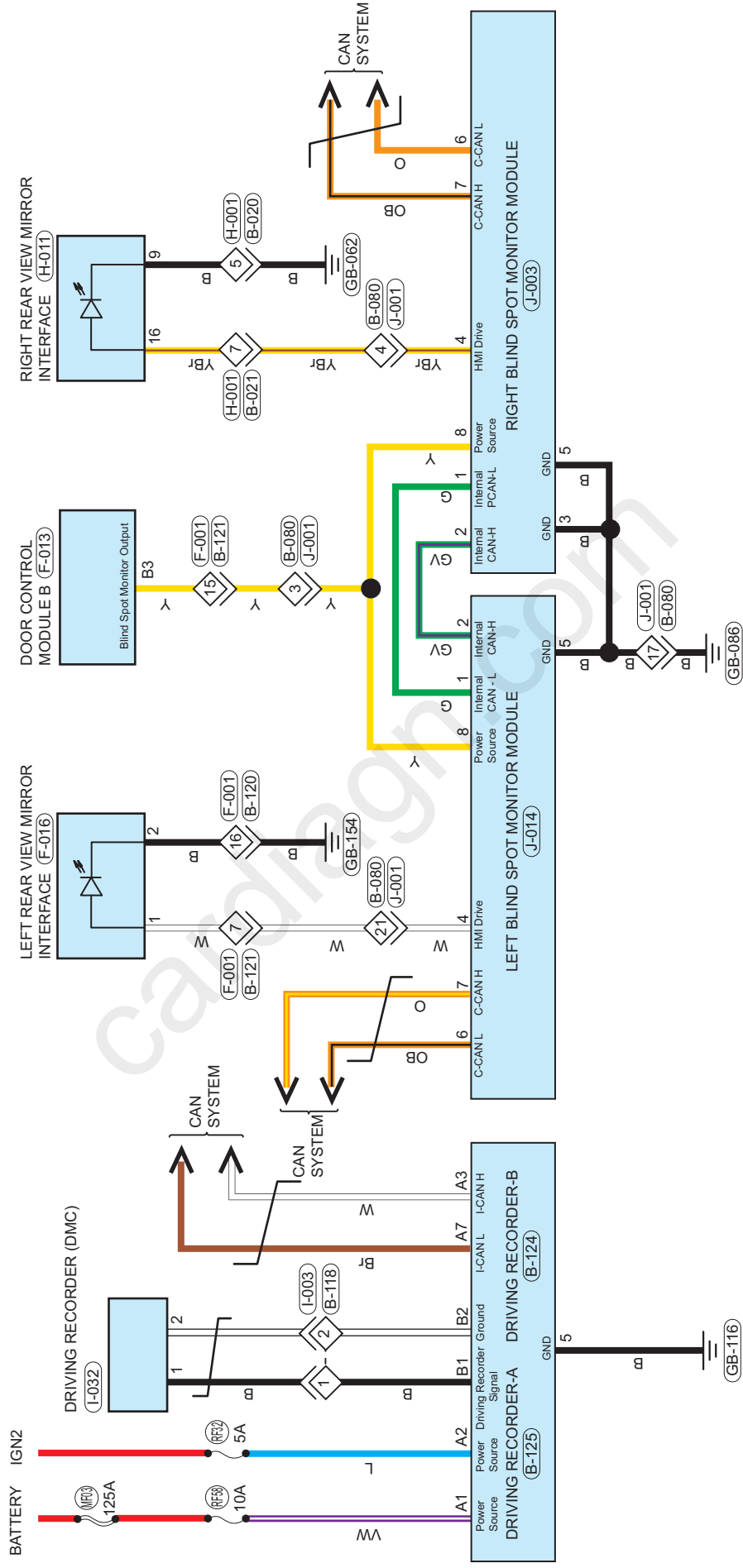
EWD065003



Seat Control Module (SCU)

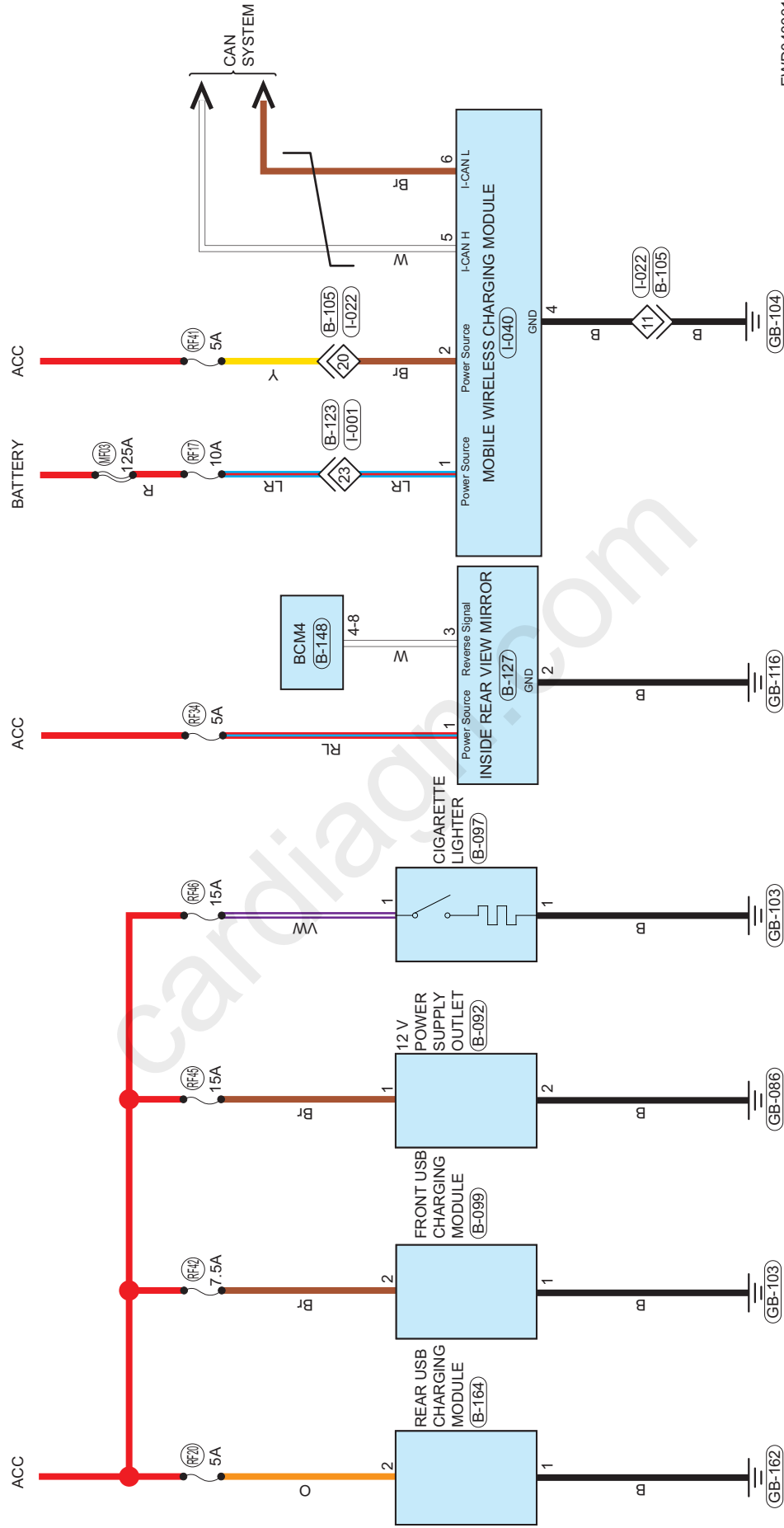


Drive Recorder (DVR) / Blind Spot Detection System (BSD)



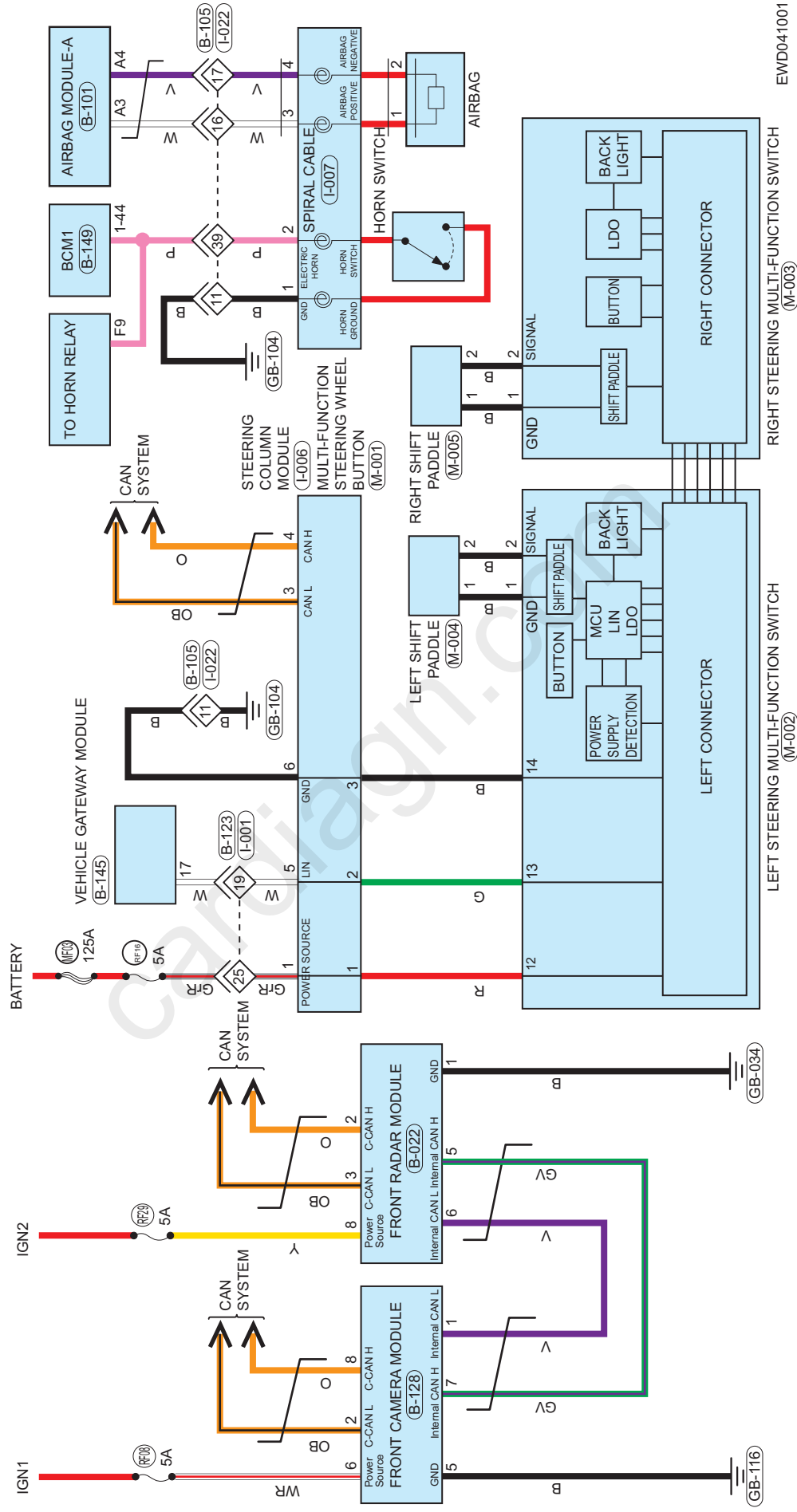
EWD039001

Backup Power Supply / Wireless Charging System (CWC) / Inside Rear View Mirror



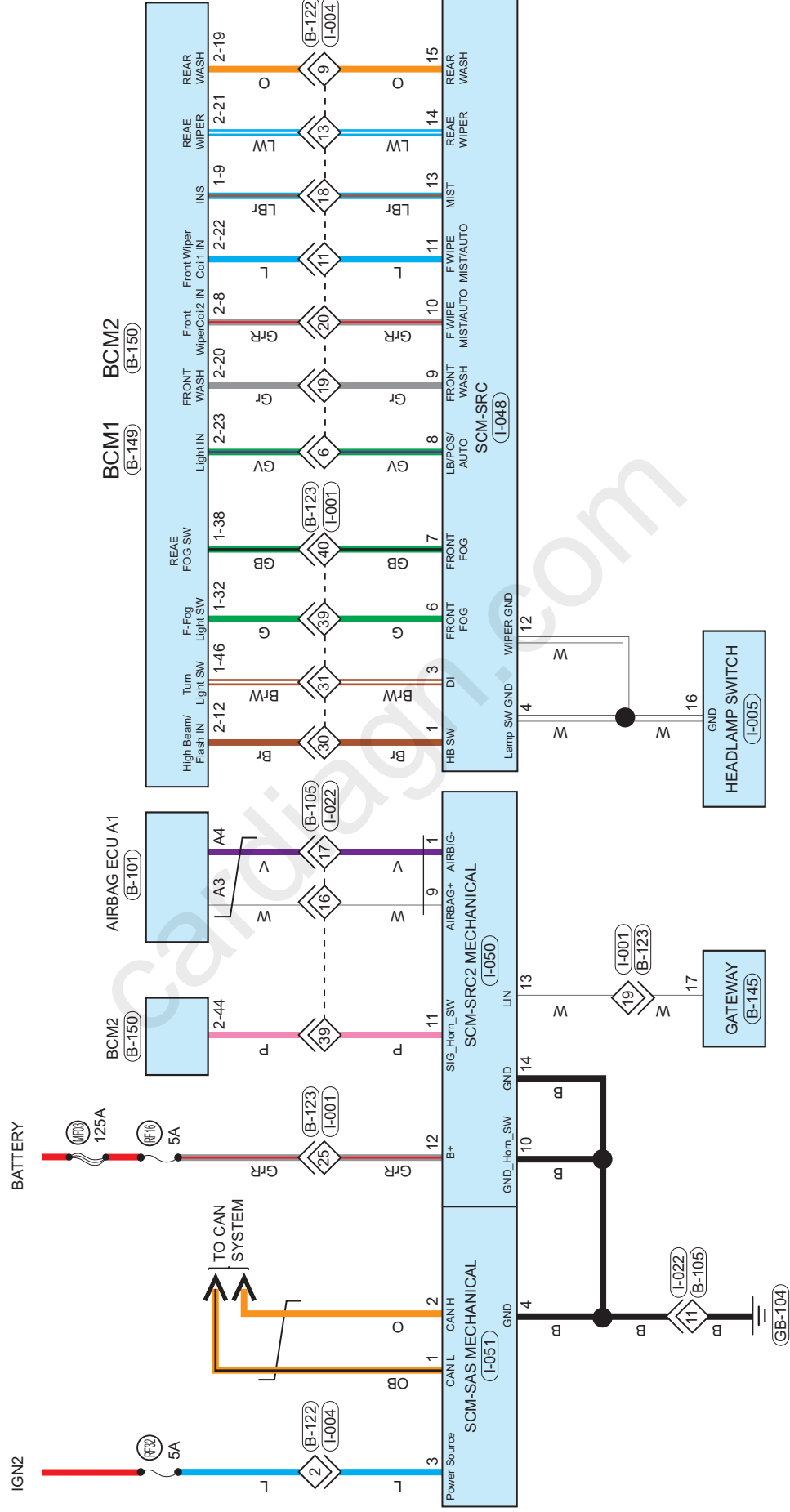
EWD040001

Front Radar Module (FRM) / Front Camera System (FCM) / Multi-function Steering Wheel / Steering Column Module (SCM)

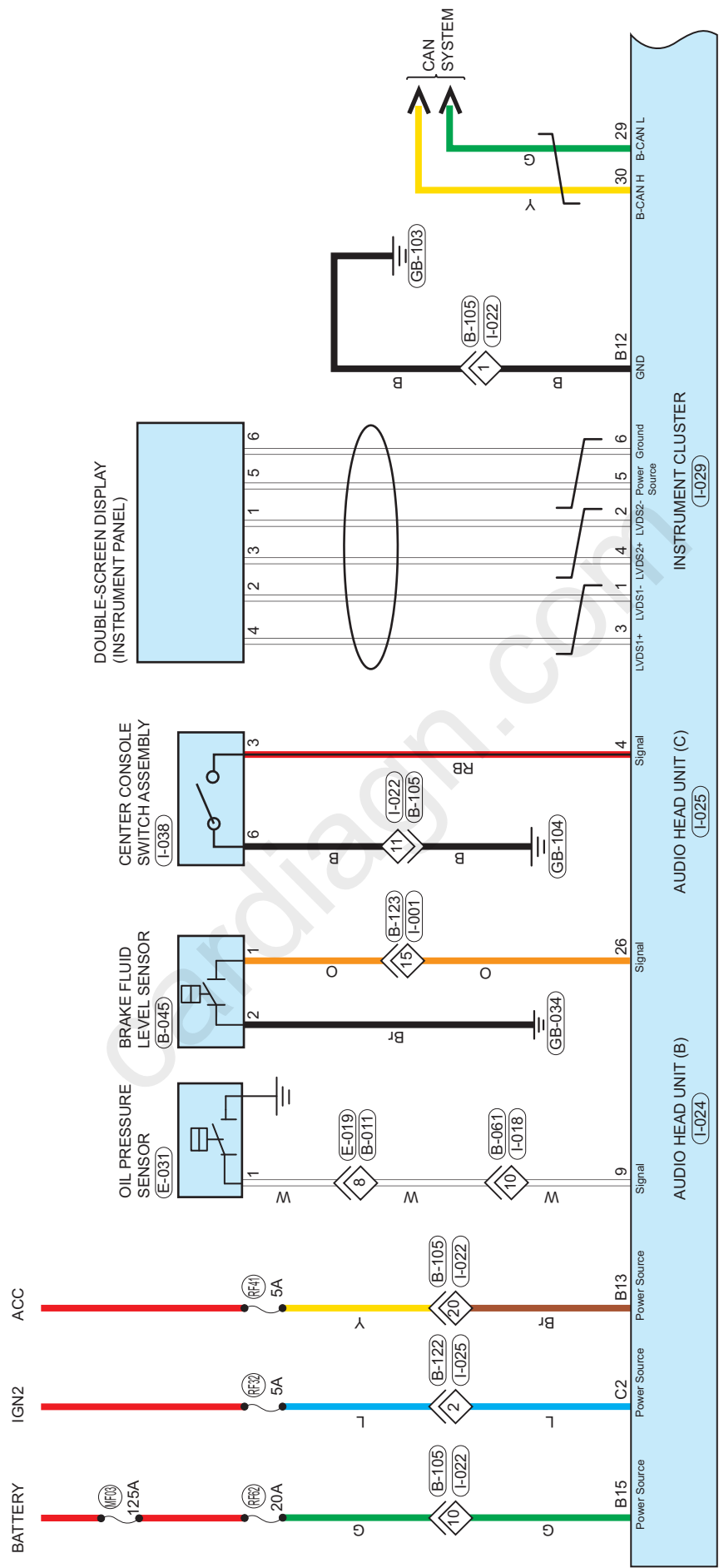


EWD041001

Front Radar Module (FRM) / Front Camera System (FCM) / Multi-function Steering Wheel / Steering Column Module (SCM)



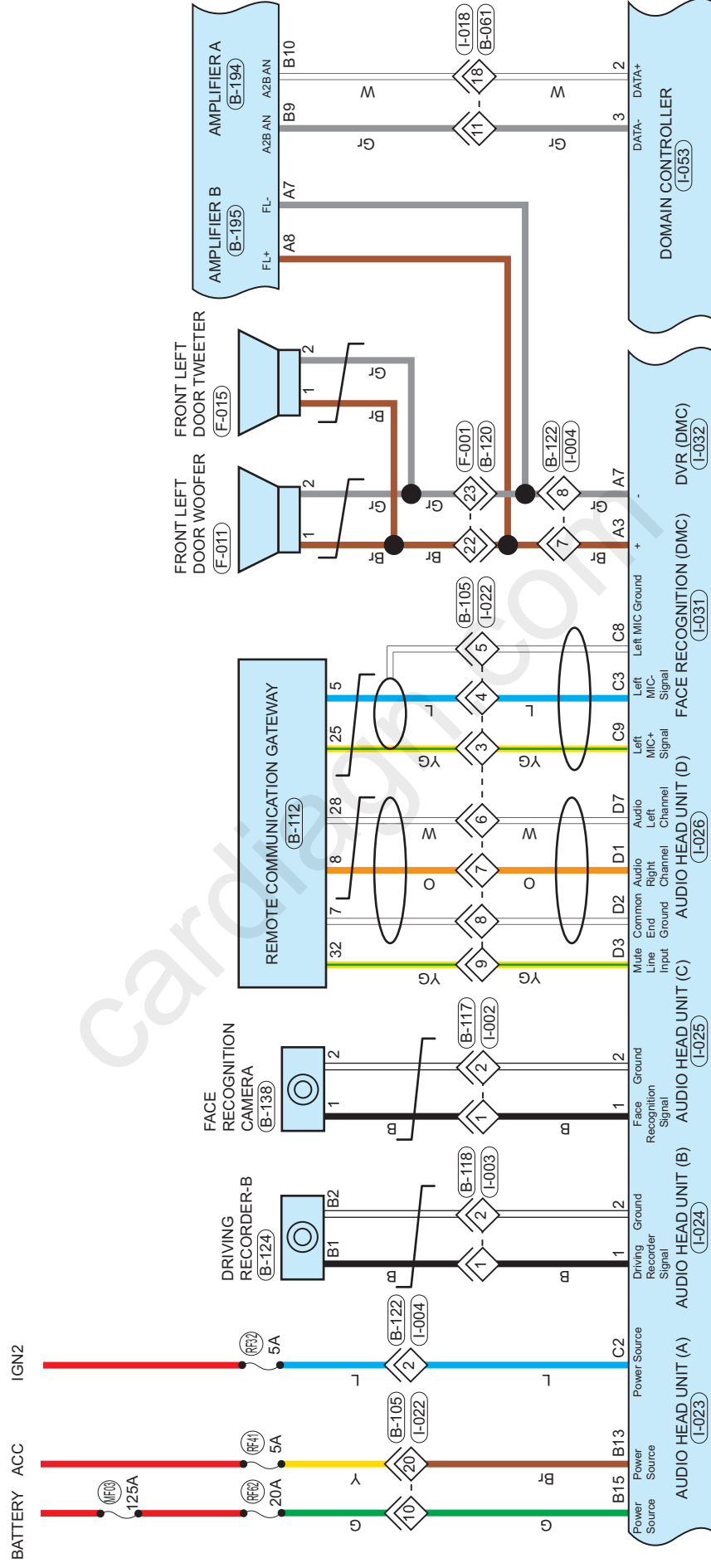
Domain Controller (Instrument Panel / Audio)



EWD042001

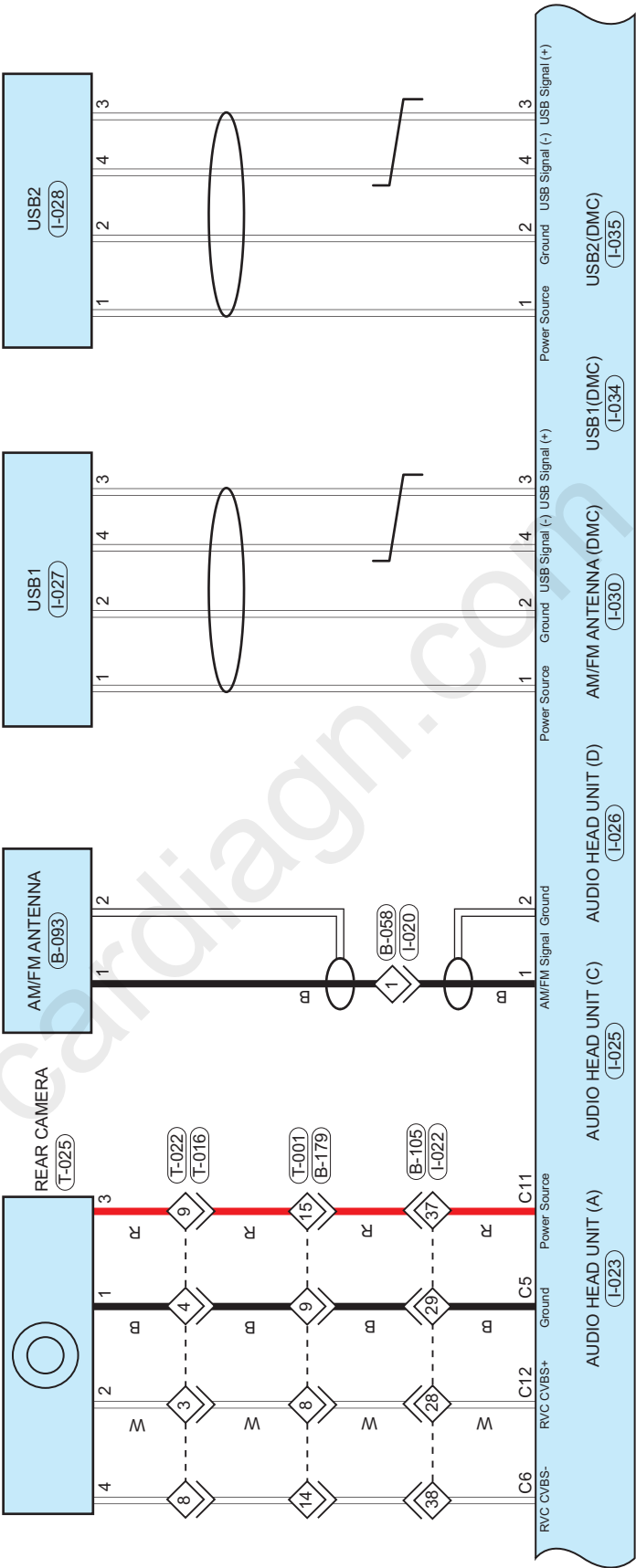


Domain Controller (Instrument Panel / Audio)



EWD043001

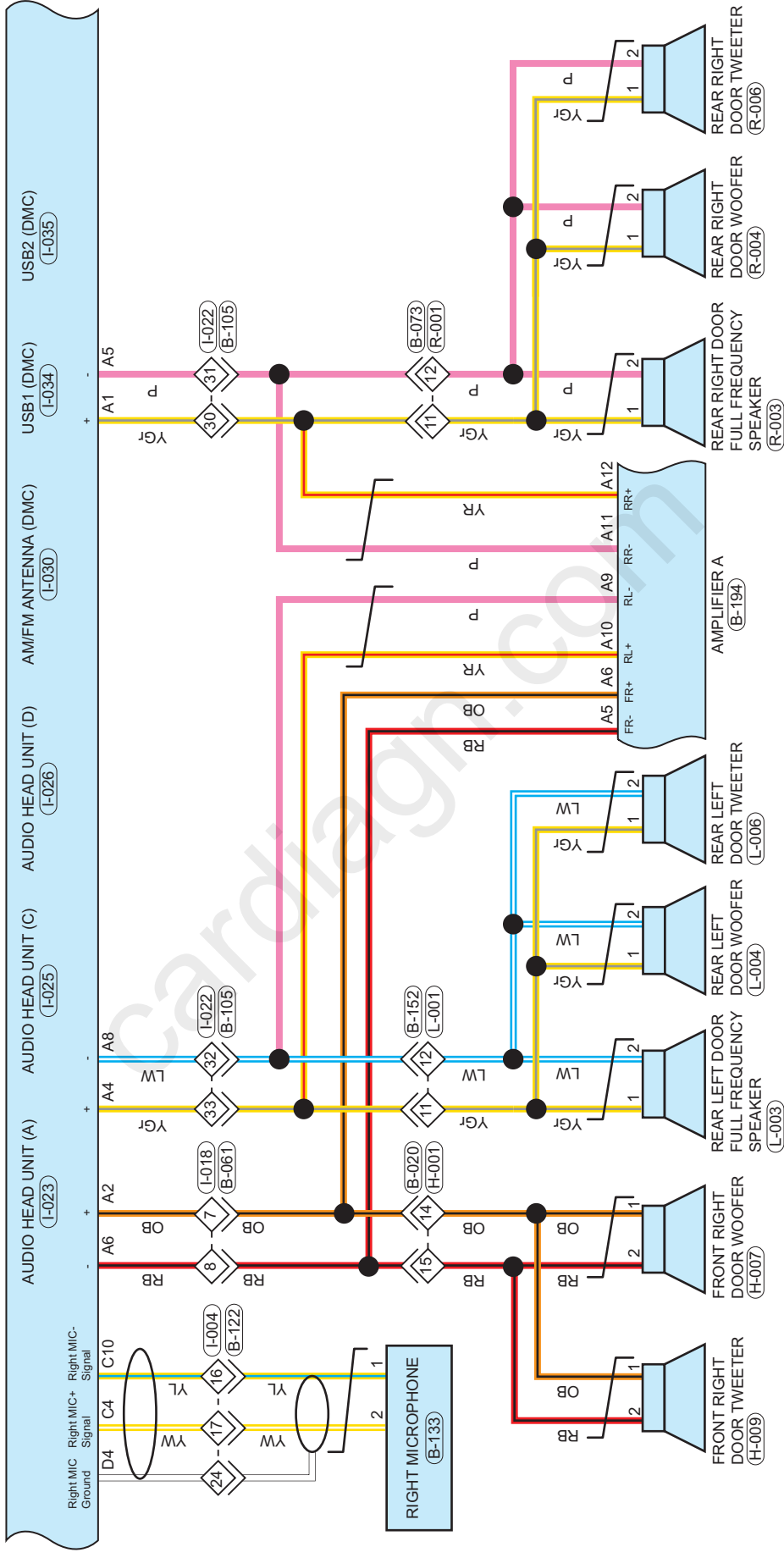
Domain Controller (Instrument Panel / Audio)



EWD044001

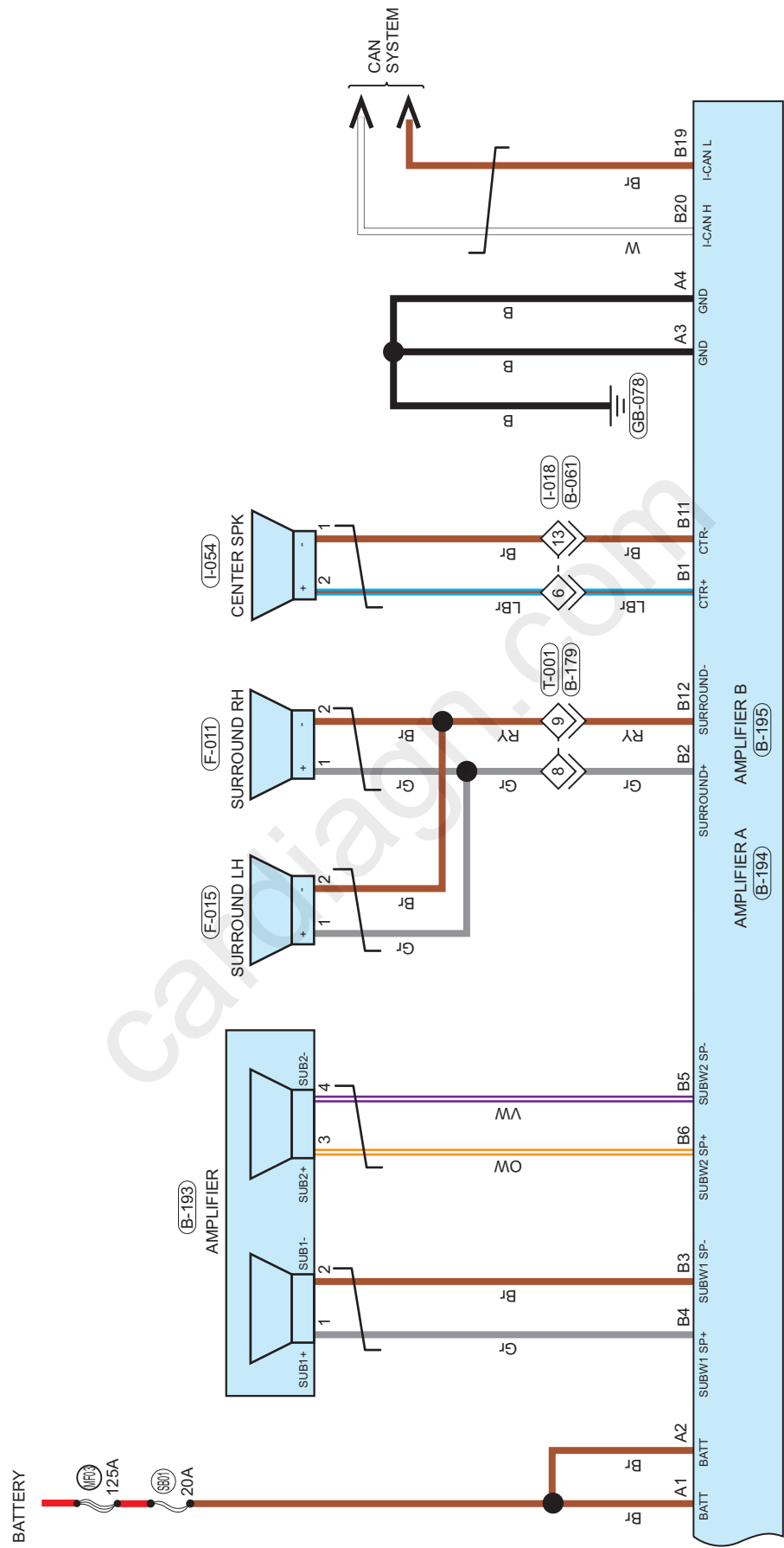


Domain Controller (Instrument Panel / Audio)



EWD044002

Domain Controller (Instrument Panel / Audio)



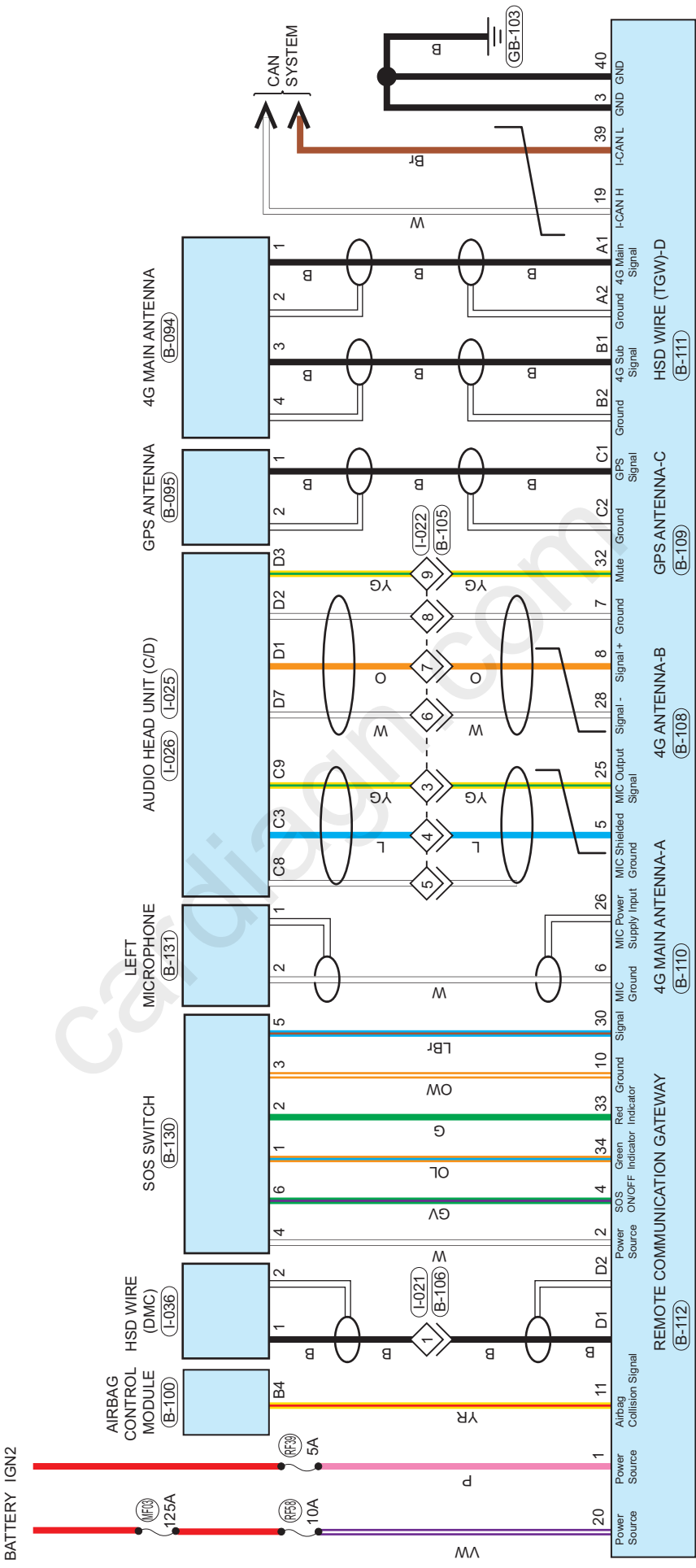
EWD044003



Domain Controller (Instrument Panel / Audio)



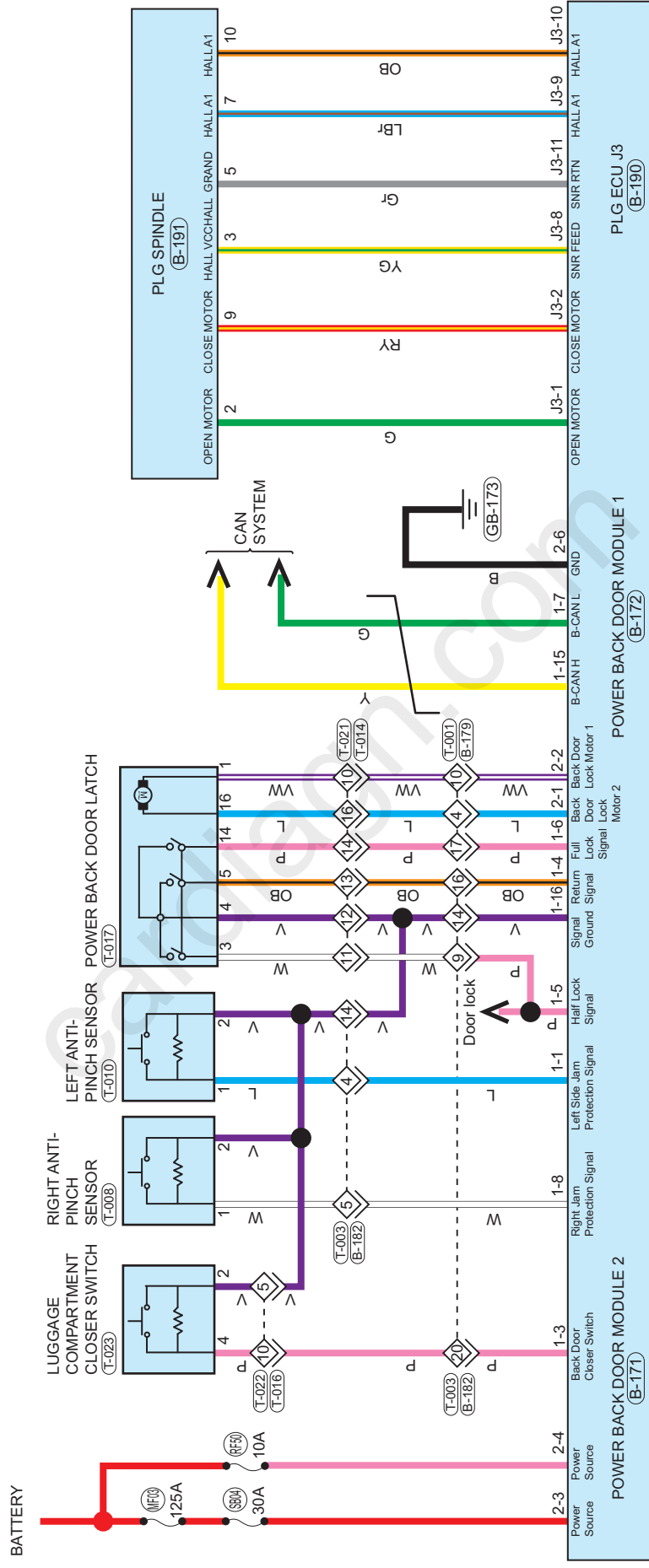
Information Communication Module (T-BOX)



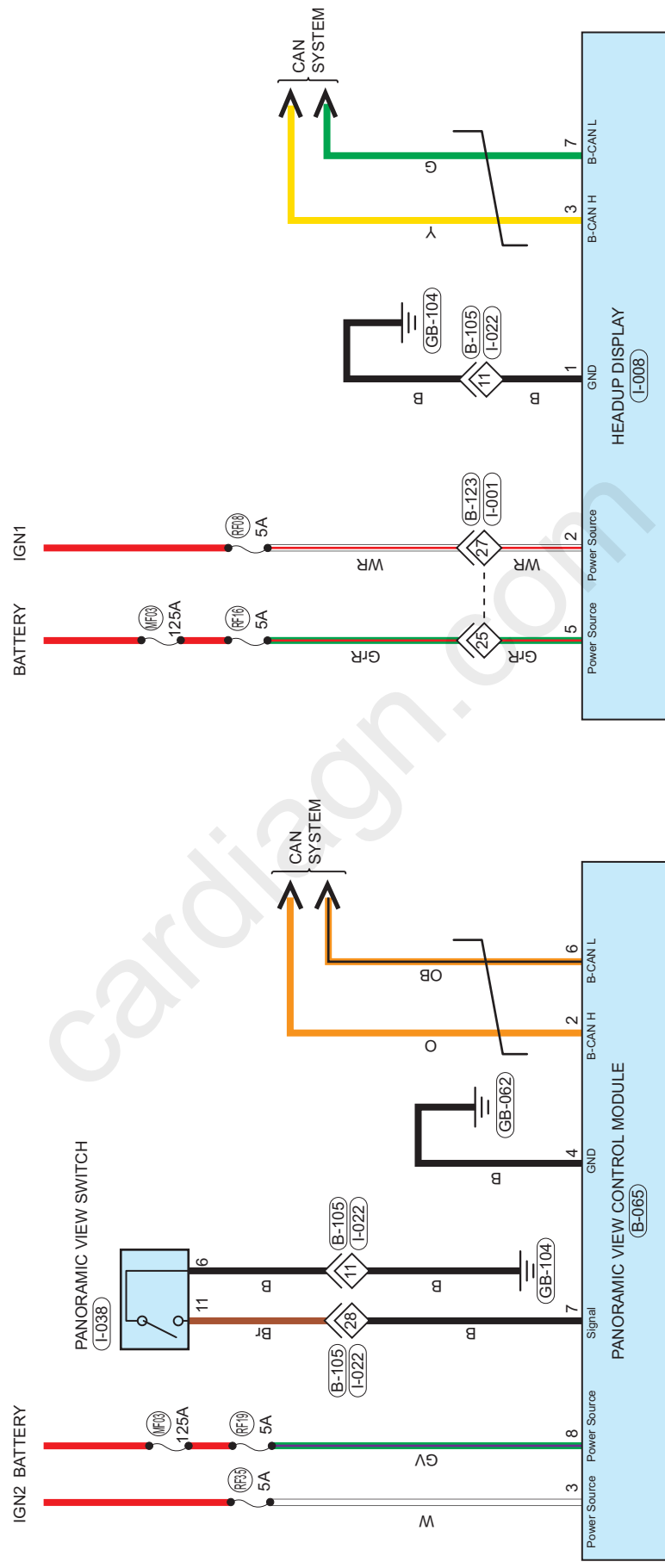
EWD046001



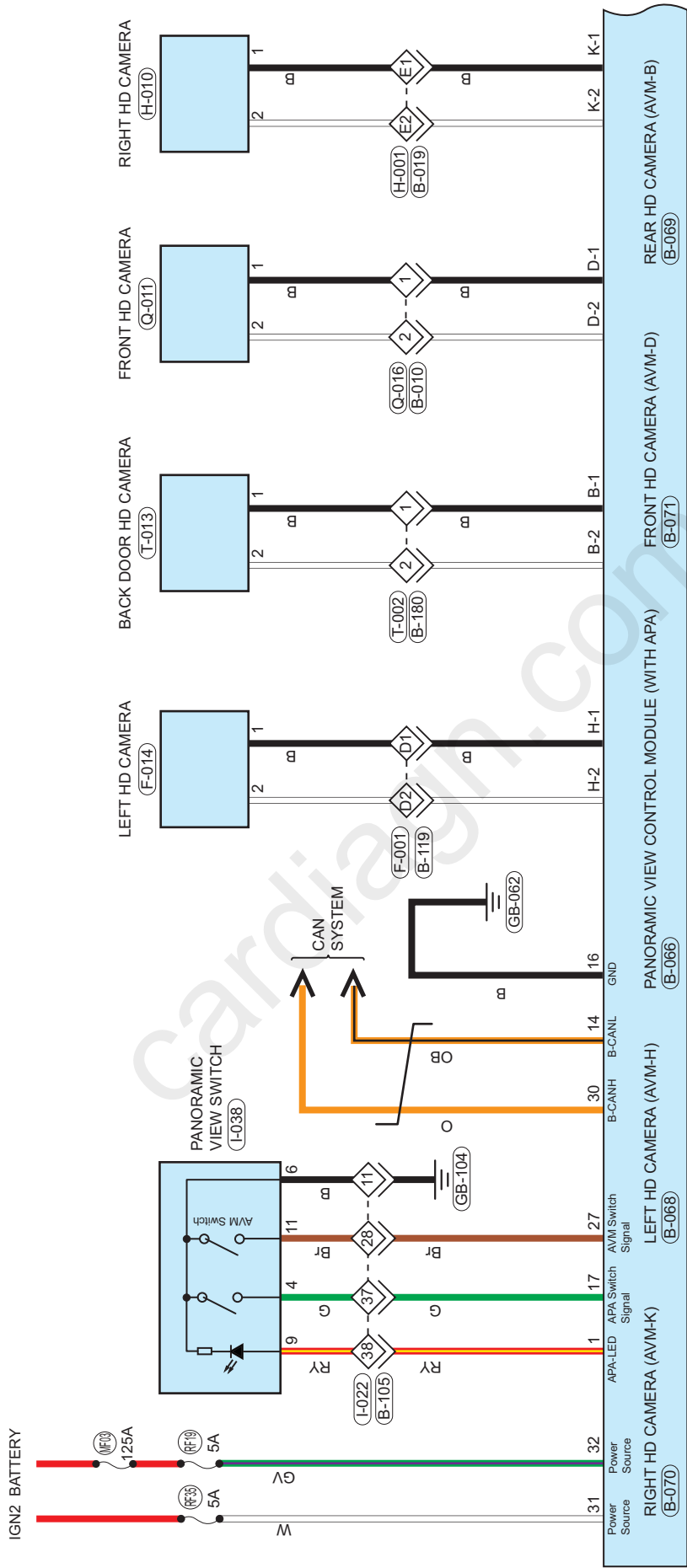
Power Back Door System (PLG)



Panoramic Control System (AVM) / Head Up Display



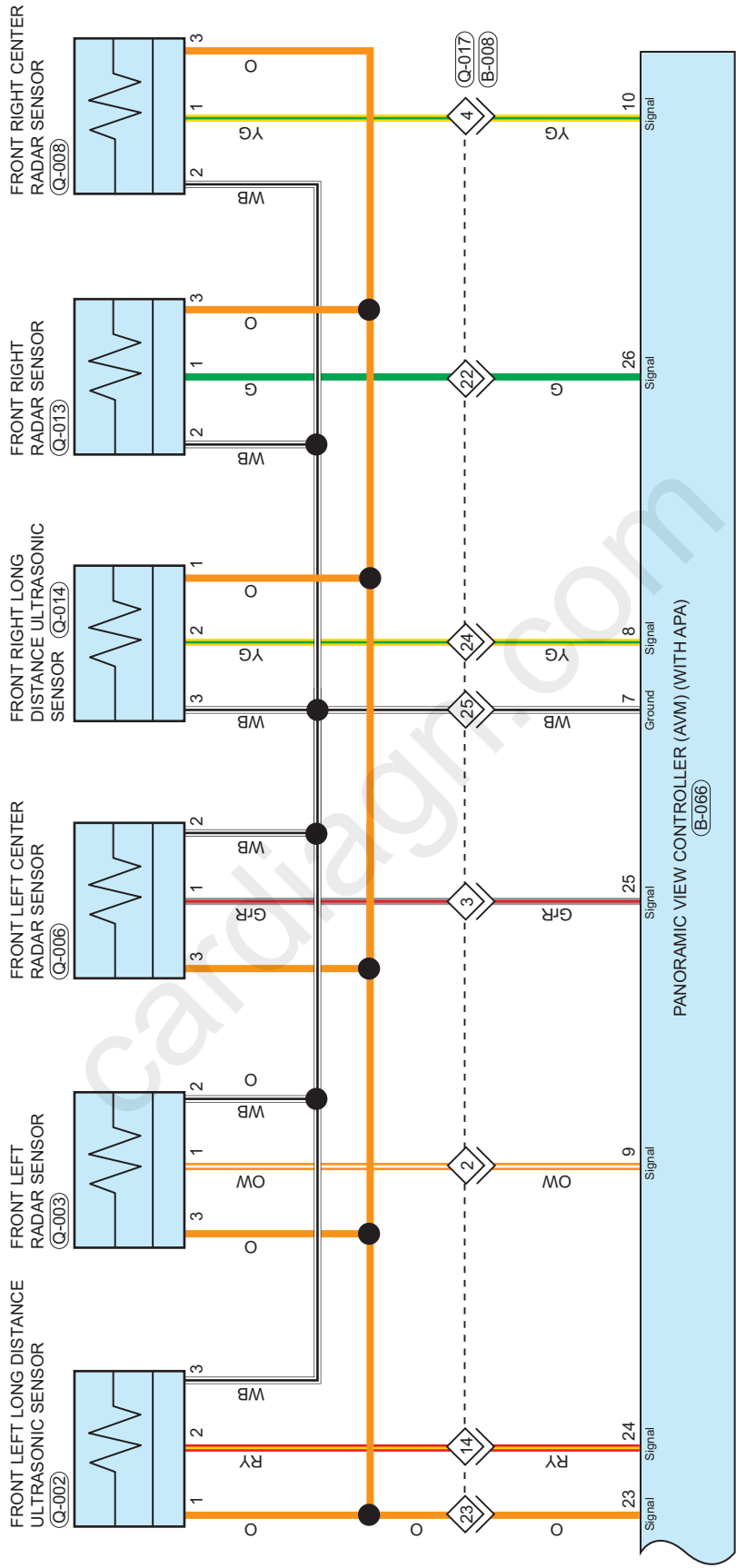
Panoramic Control System (AVM) (Integrated Automatic Parking Assist System (APA))



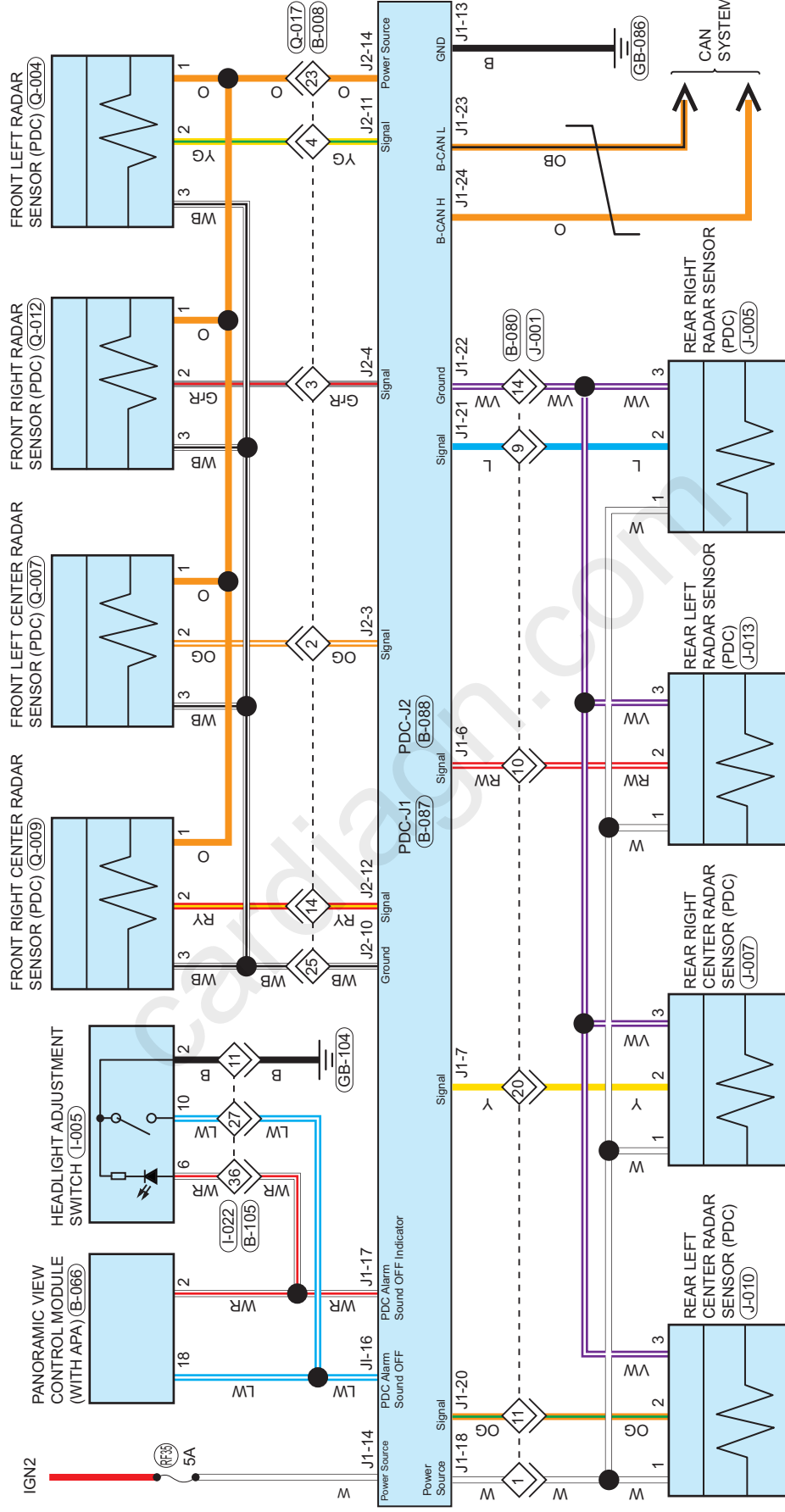
EWD050001



Panoramic Control System (AVM) (APA)



Parking Radar Assist System



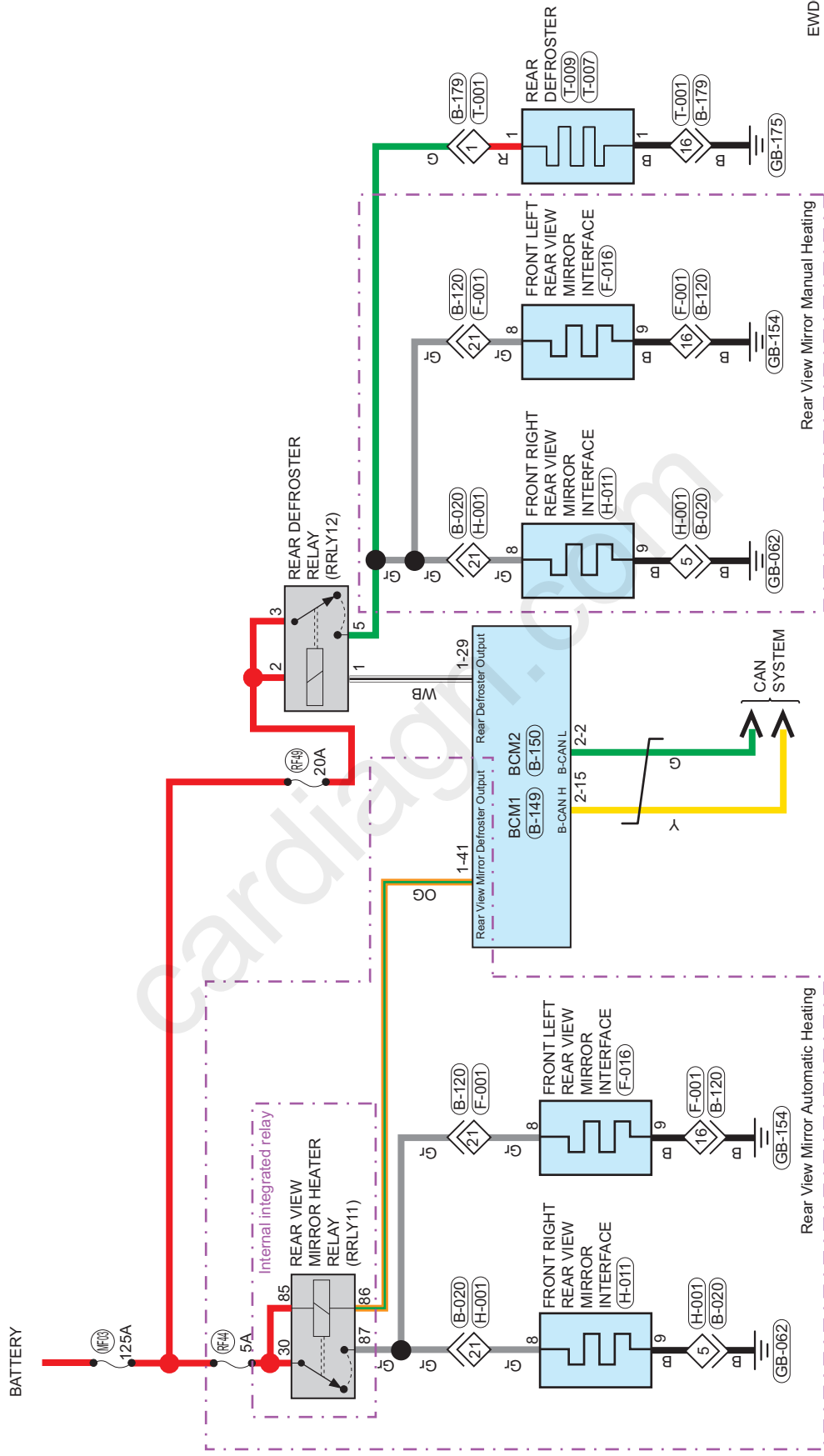
EWD052001



Rear View Mirror (StarElite, StarHonour 4WD)

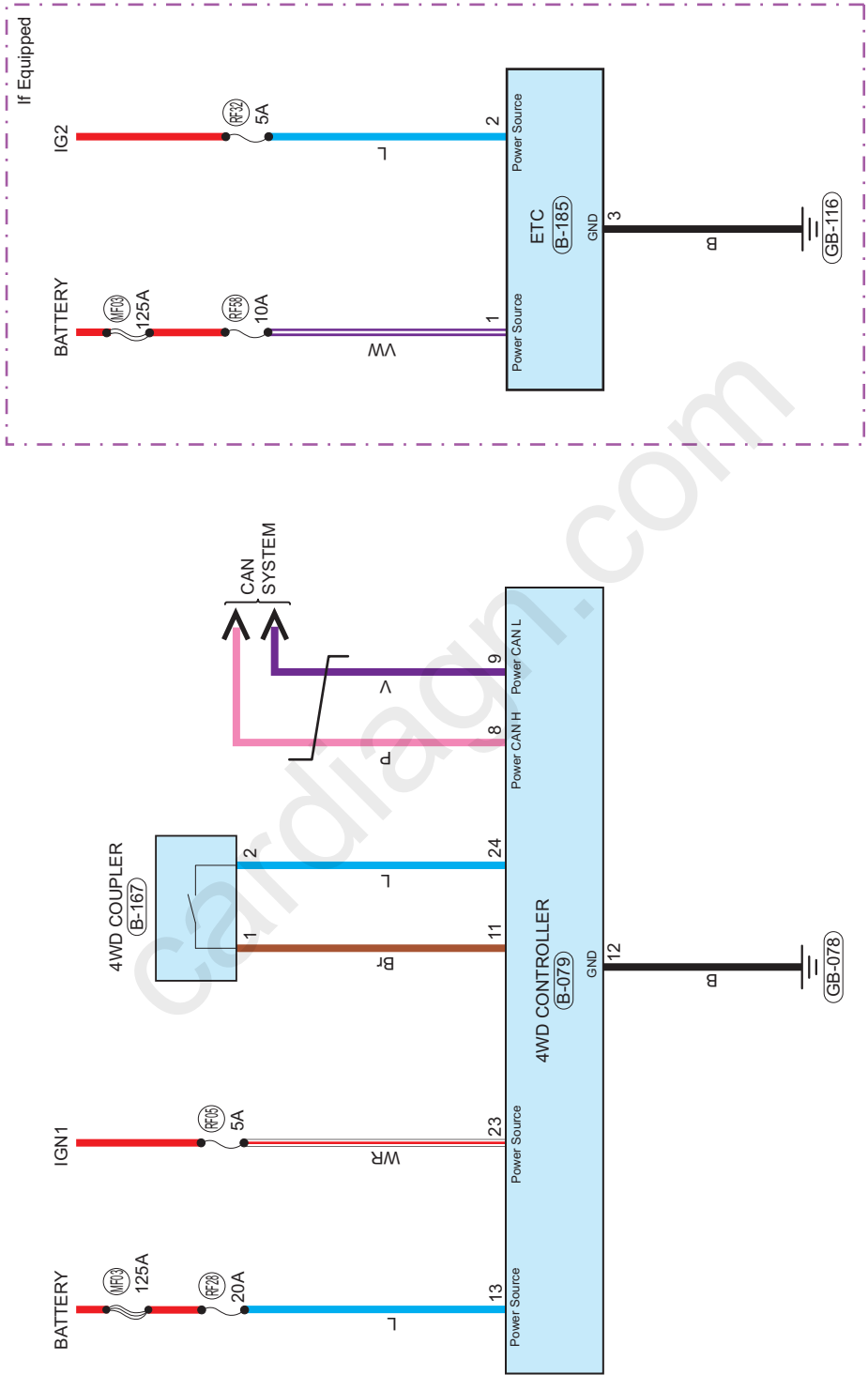


Rear View Mirror Heating / Rear Defroster



EWD048001

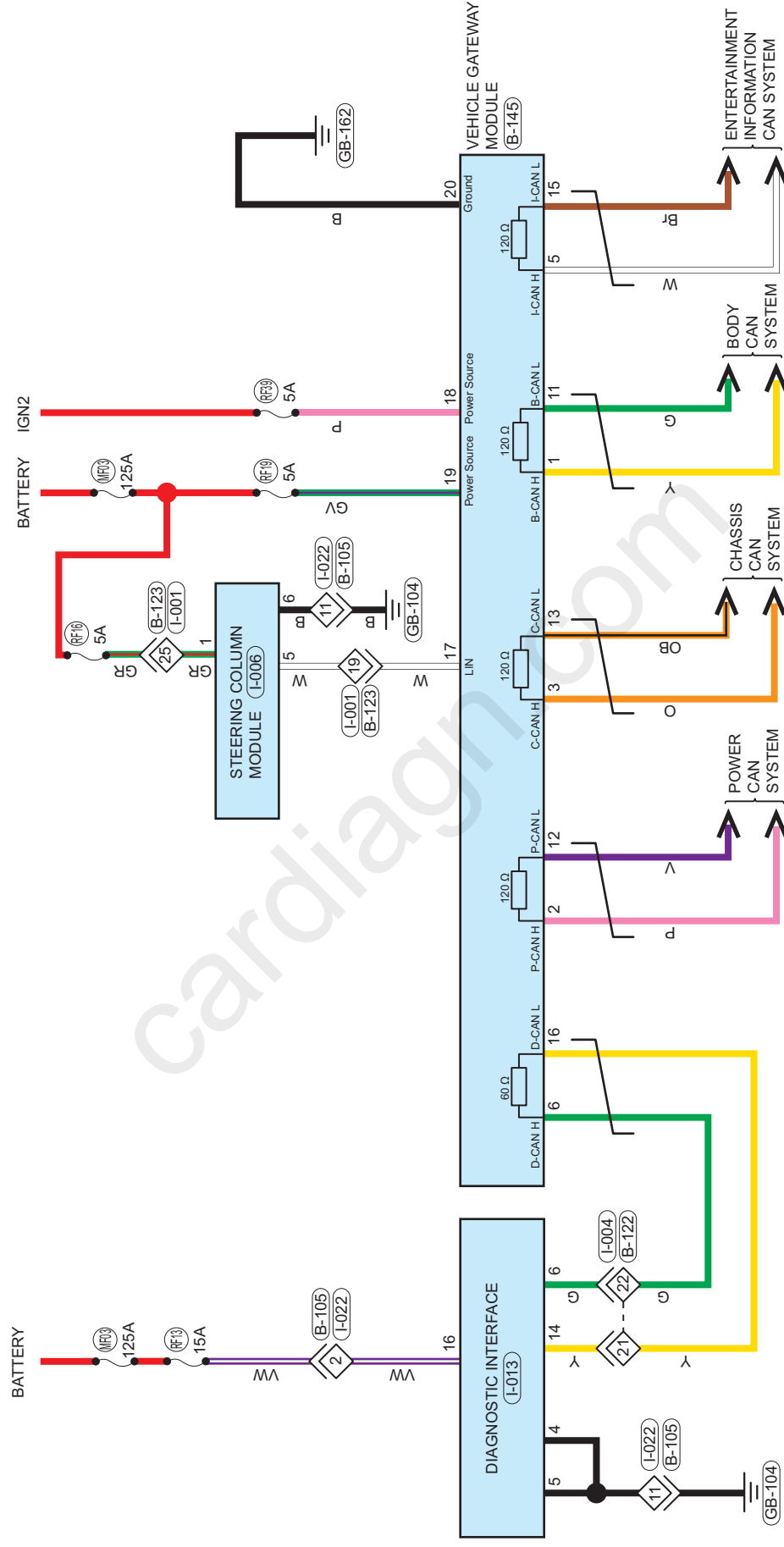
4WD System / ETC



EWD068001

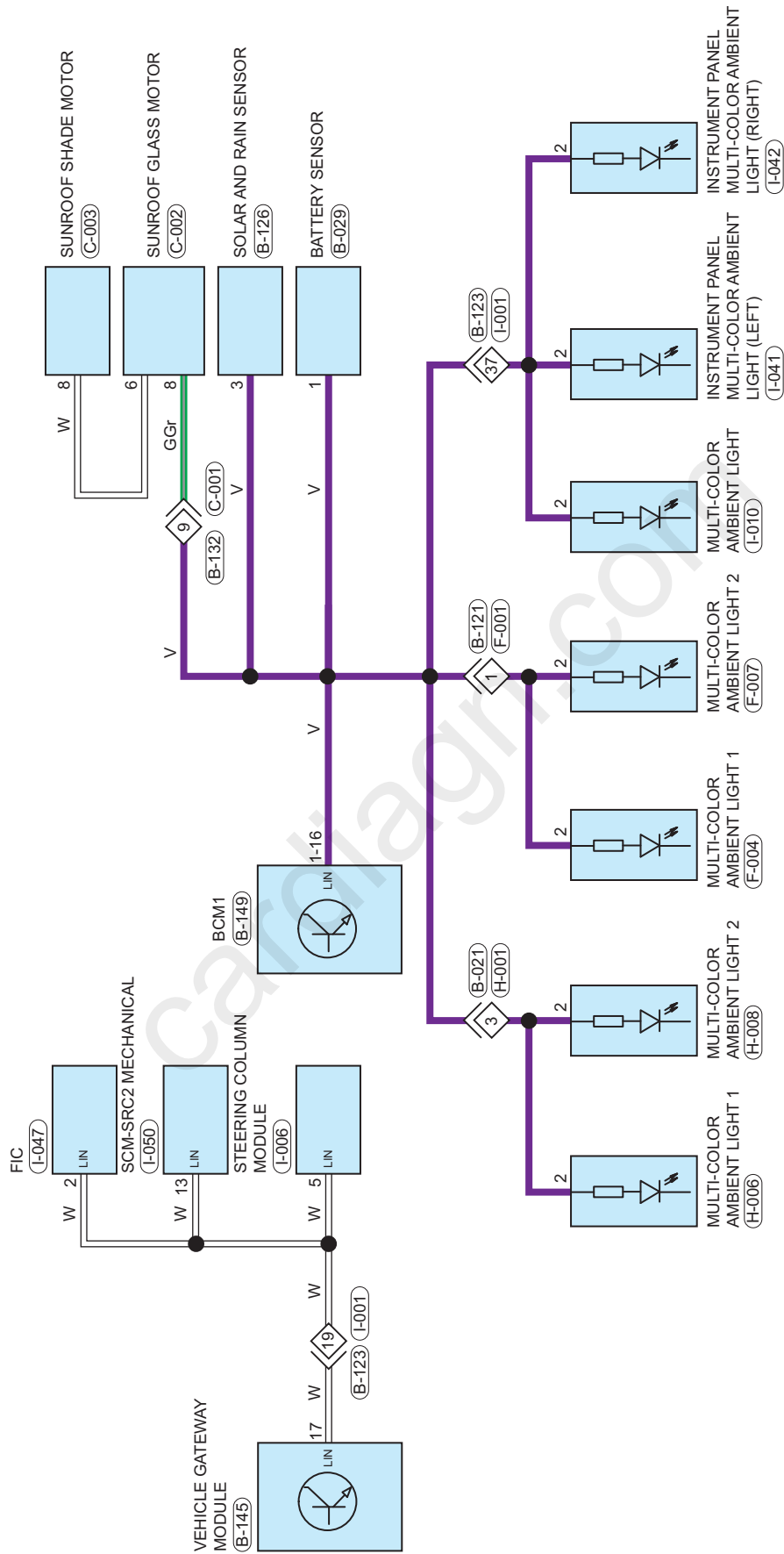


Diagnostic Interface / Central gateway (CGW)



EWD055001

LIN Line



EWD069001



CAN System

