

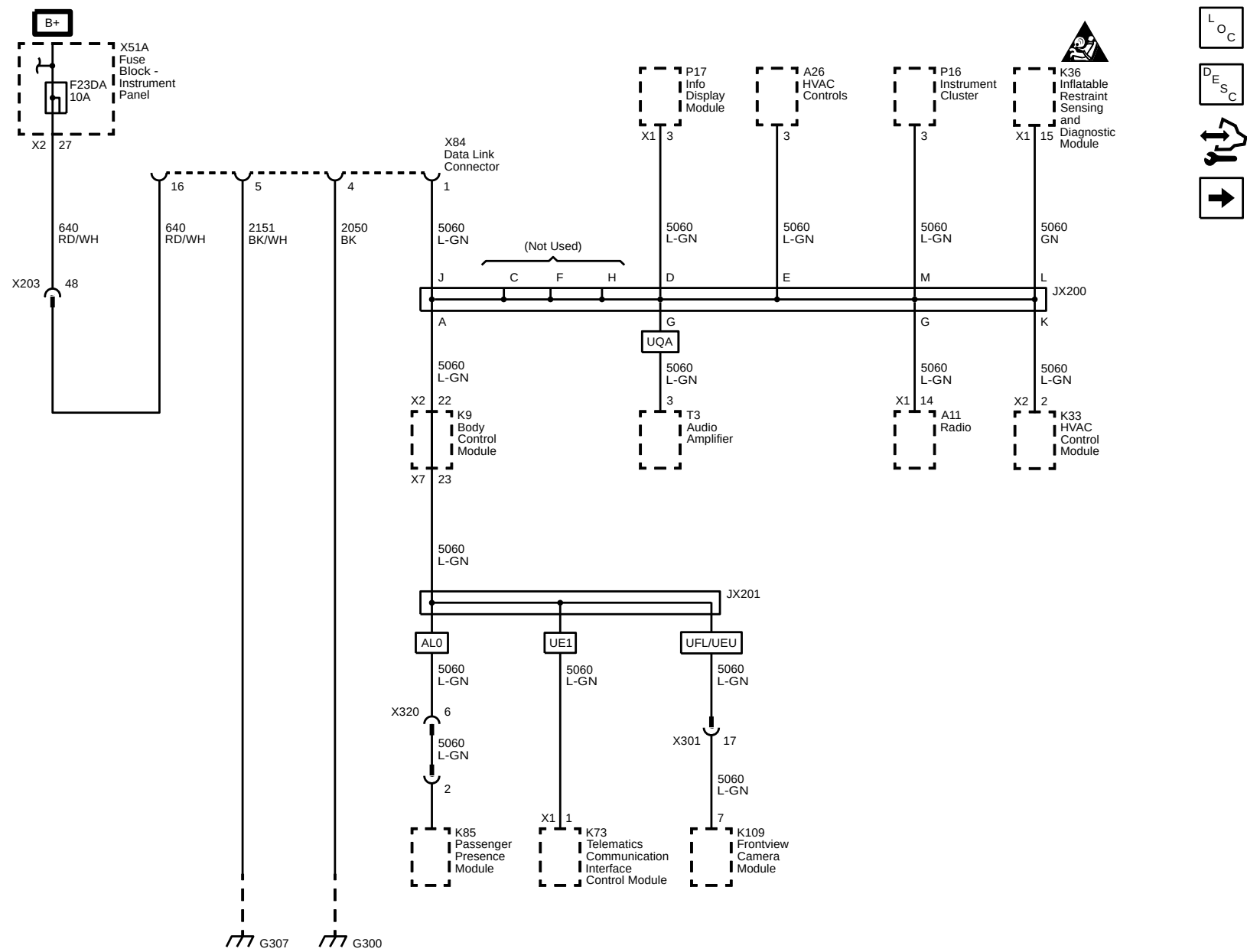
Power and Signal Distribution

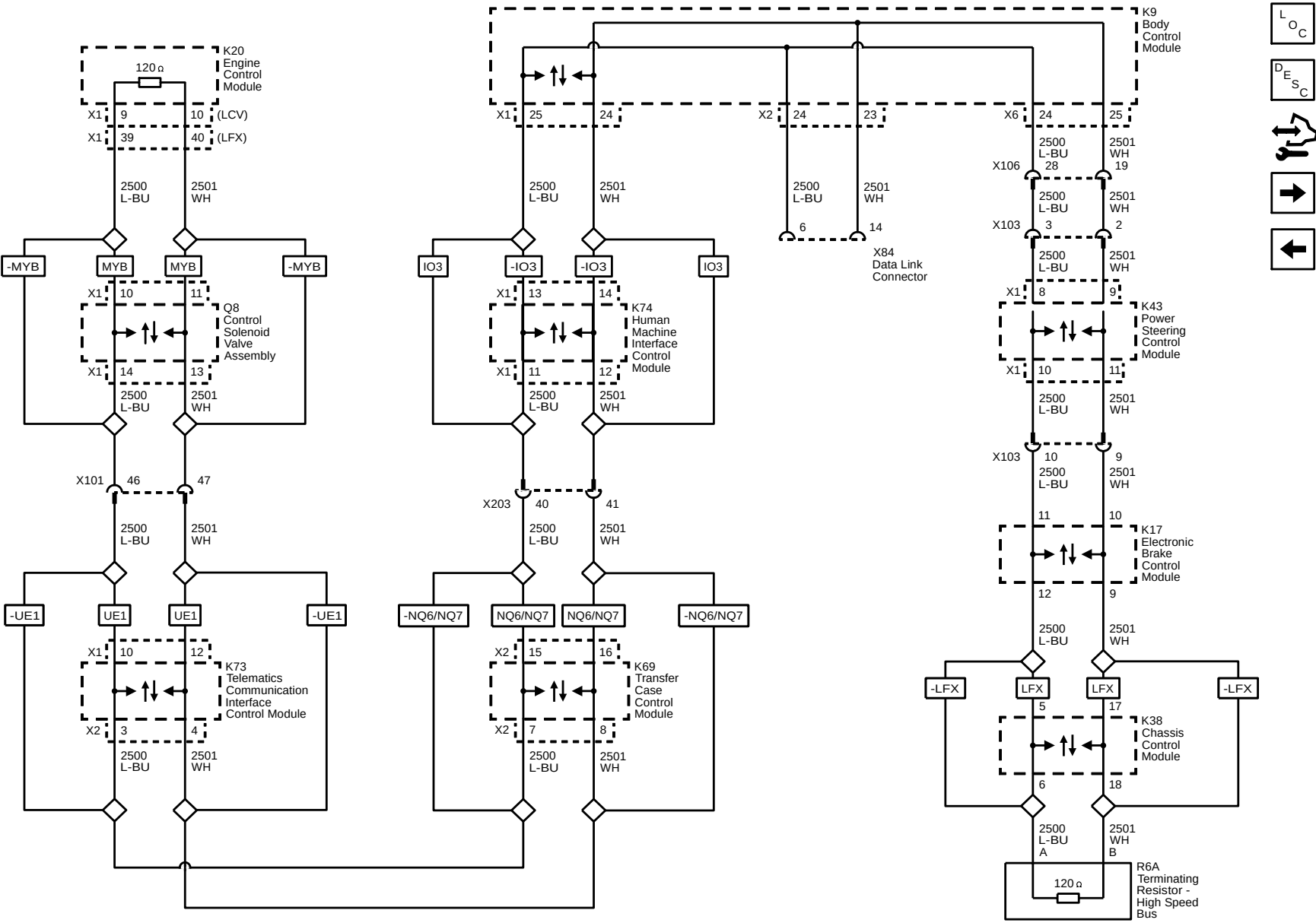
Data Communications

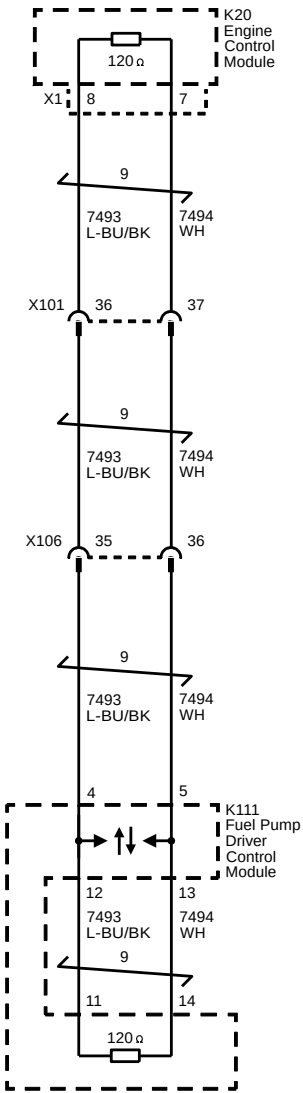
Schematic and Routing Diagrams

Data Communication Schematics

Power, Ground, and Low Speed GMLAN



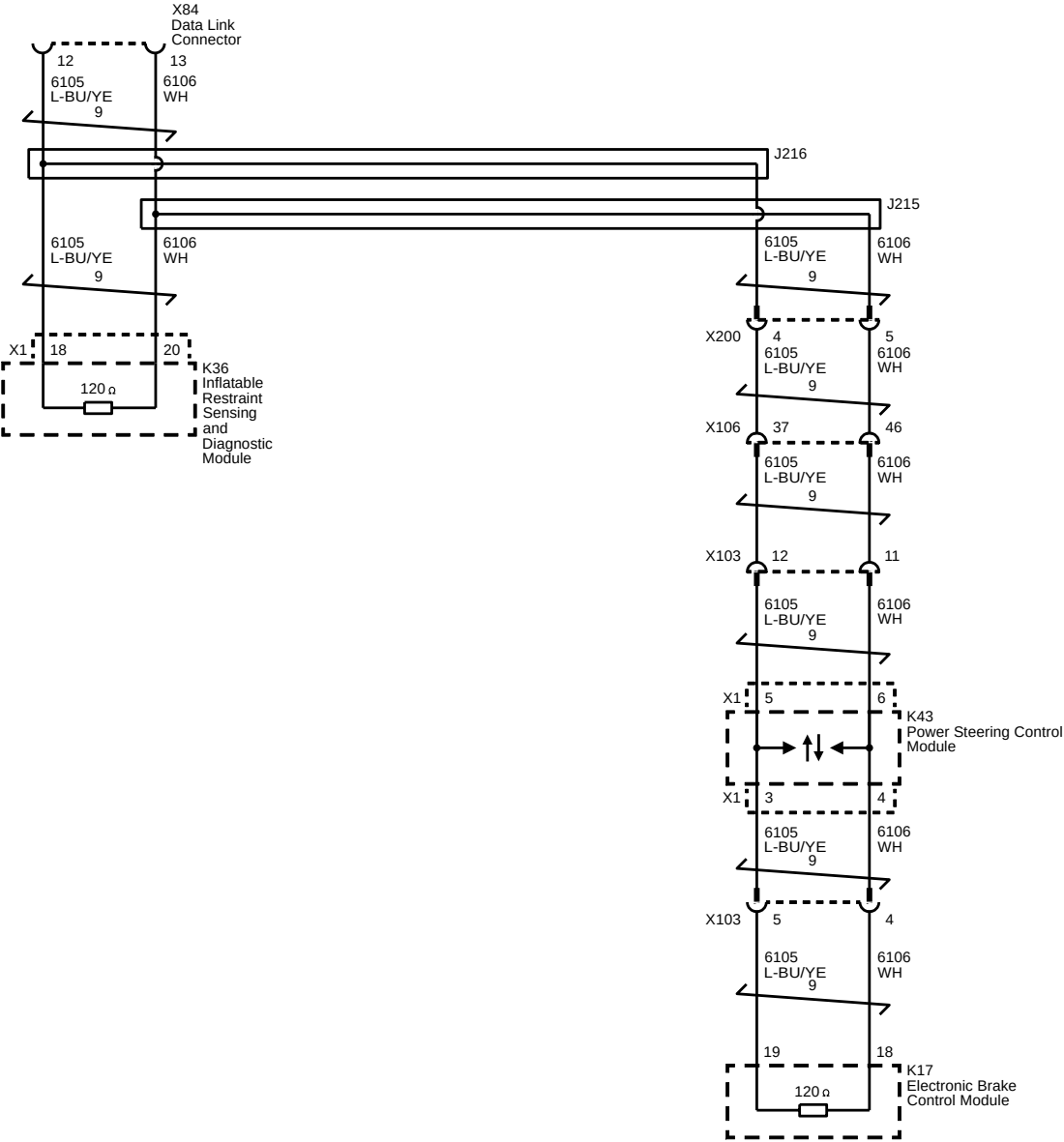


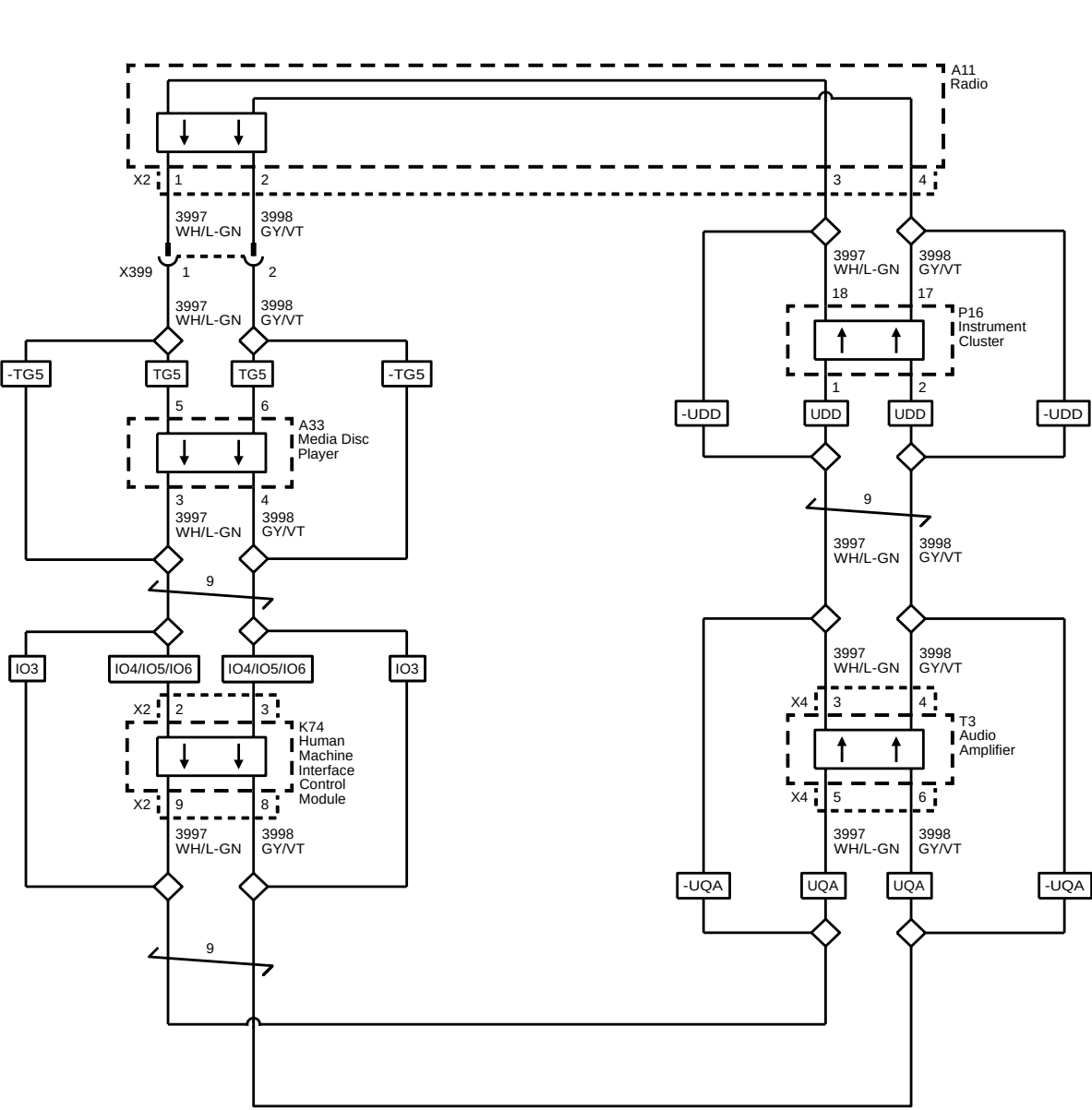


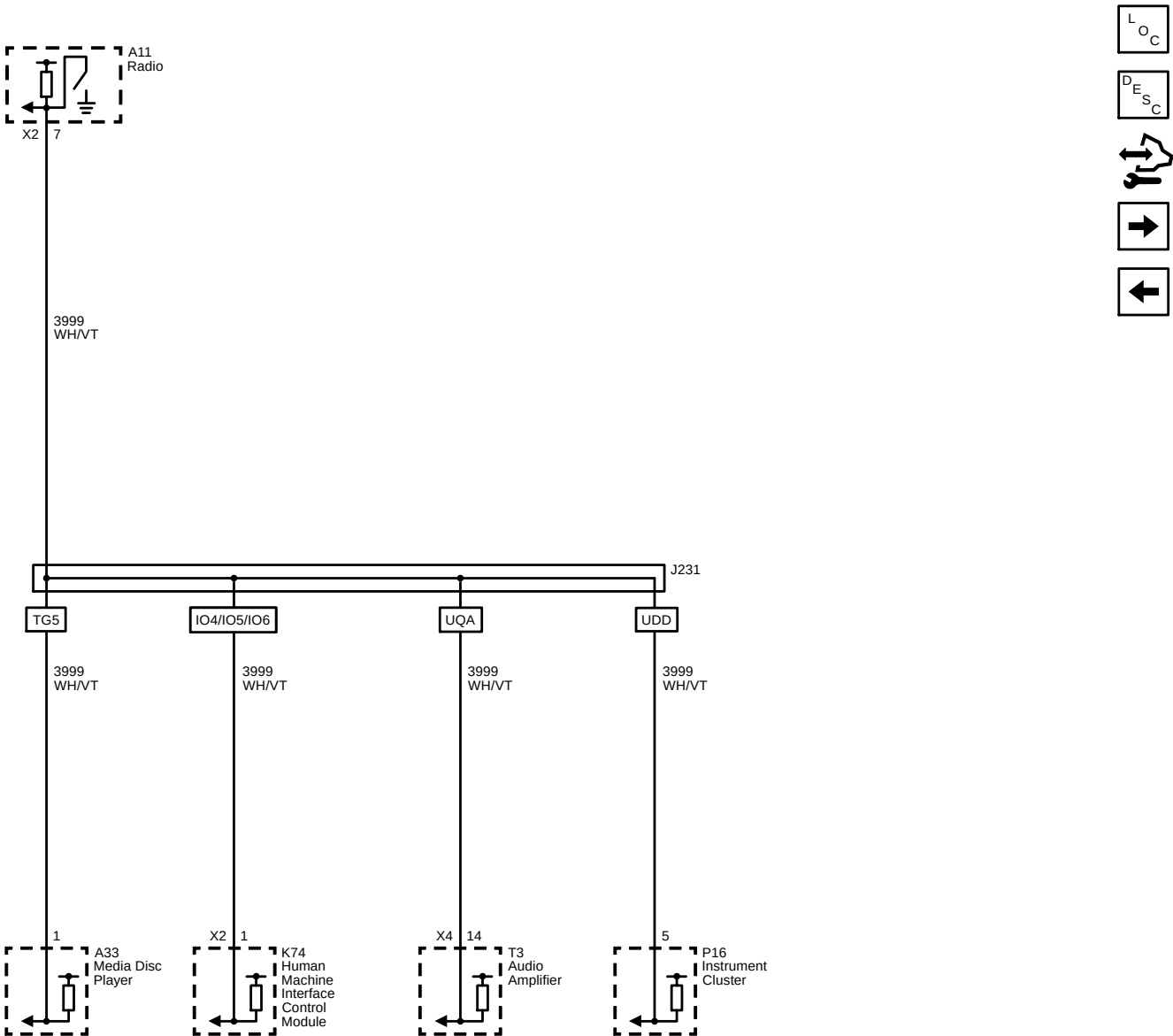
L
O
C

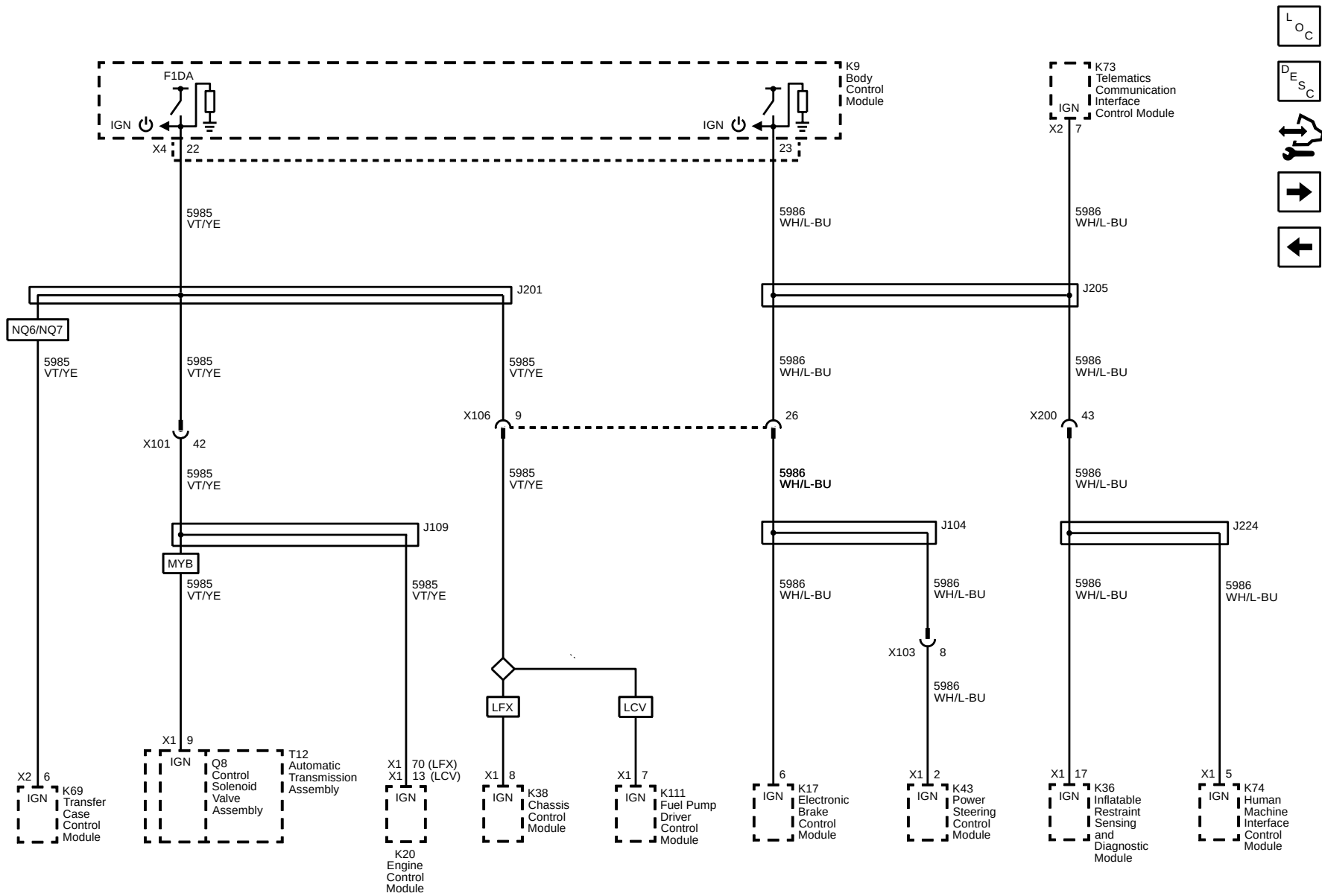
D
E
S
C

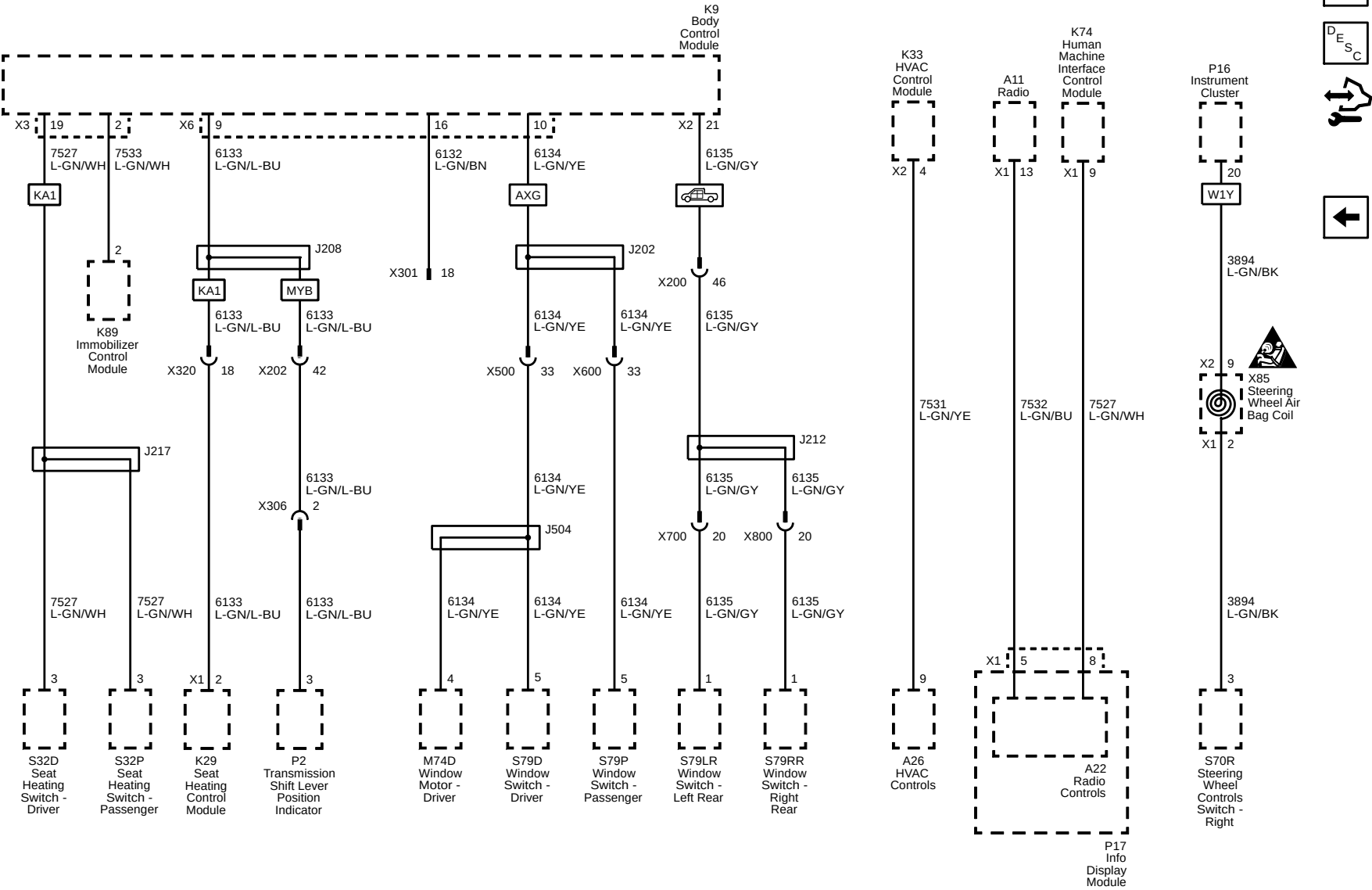




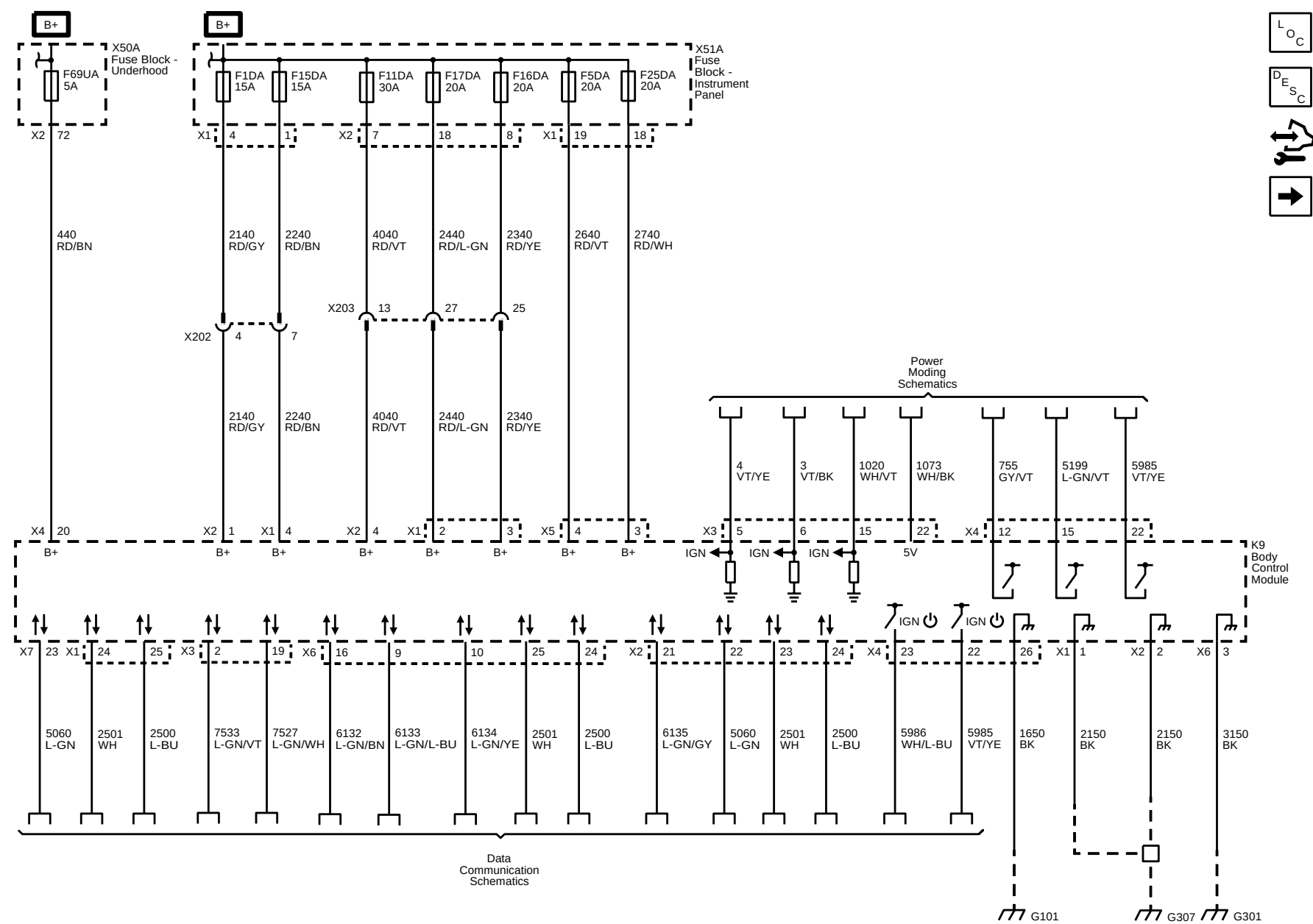


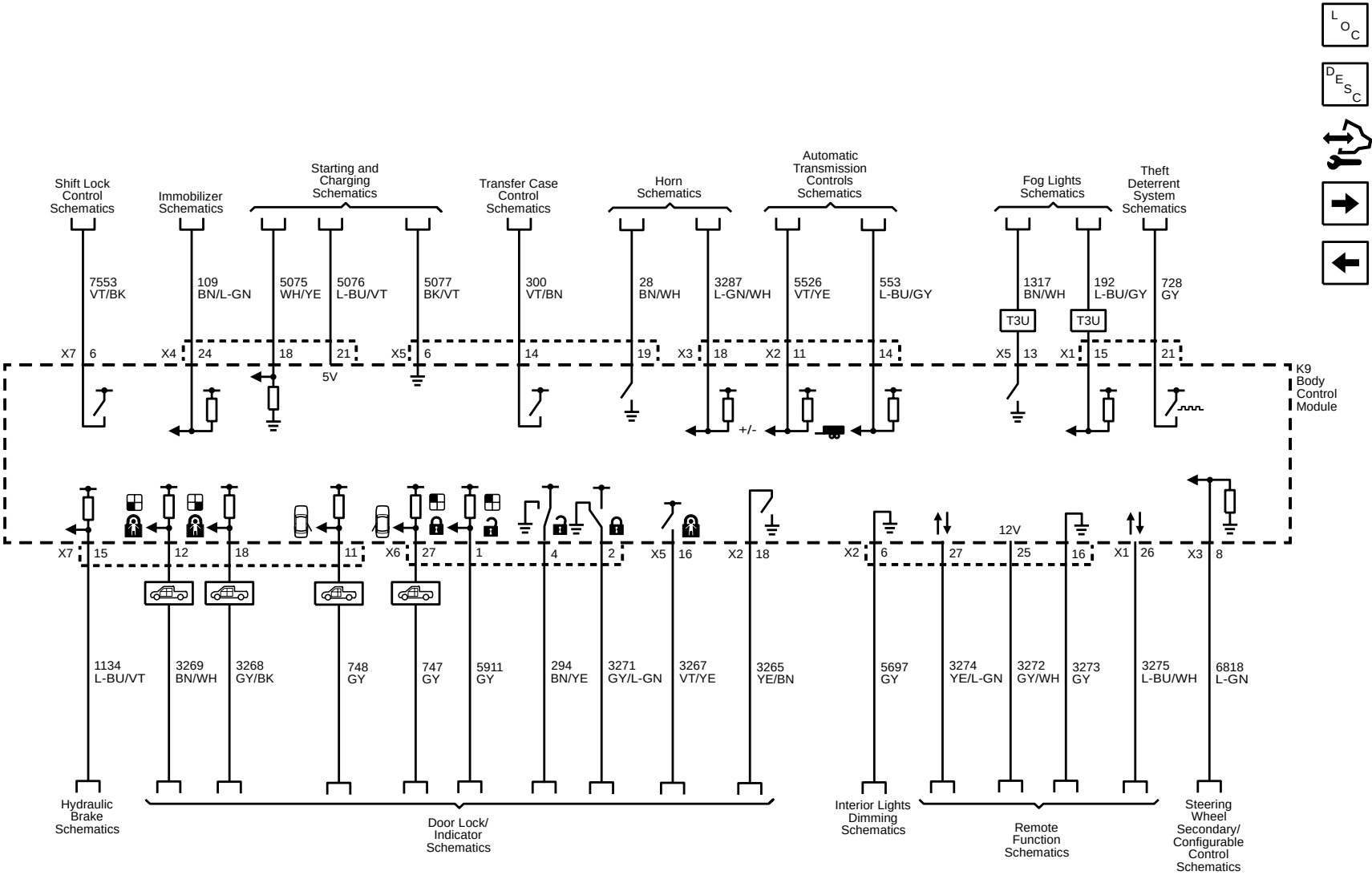


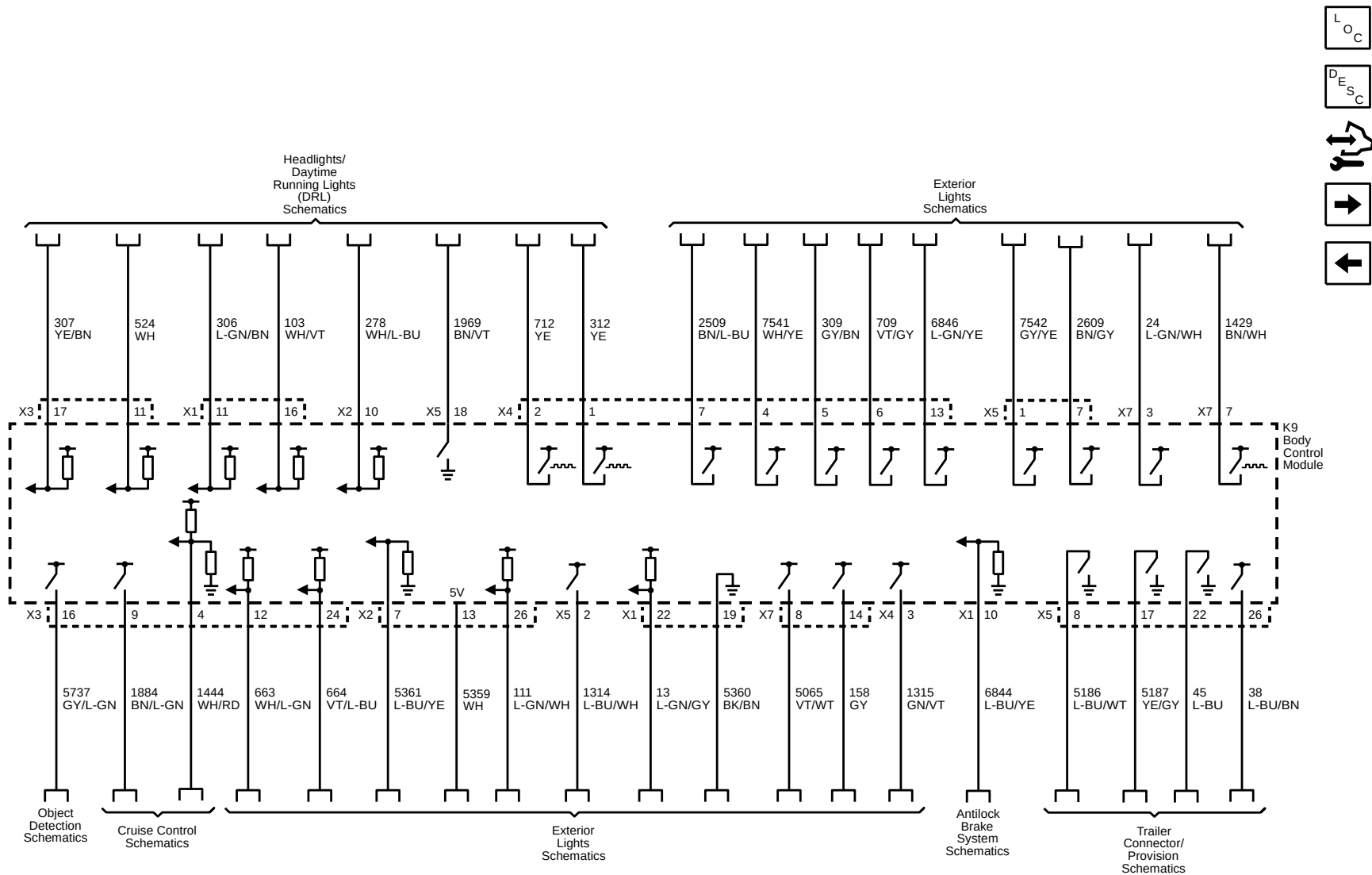


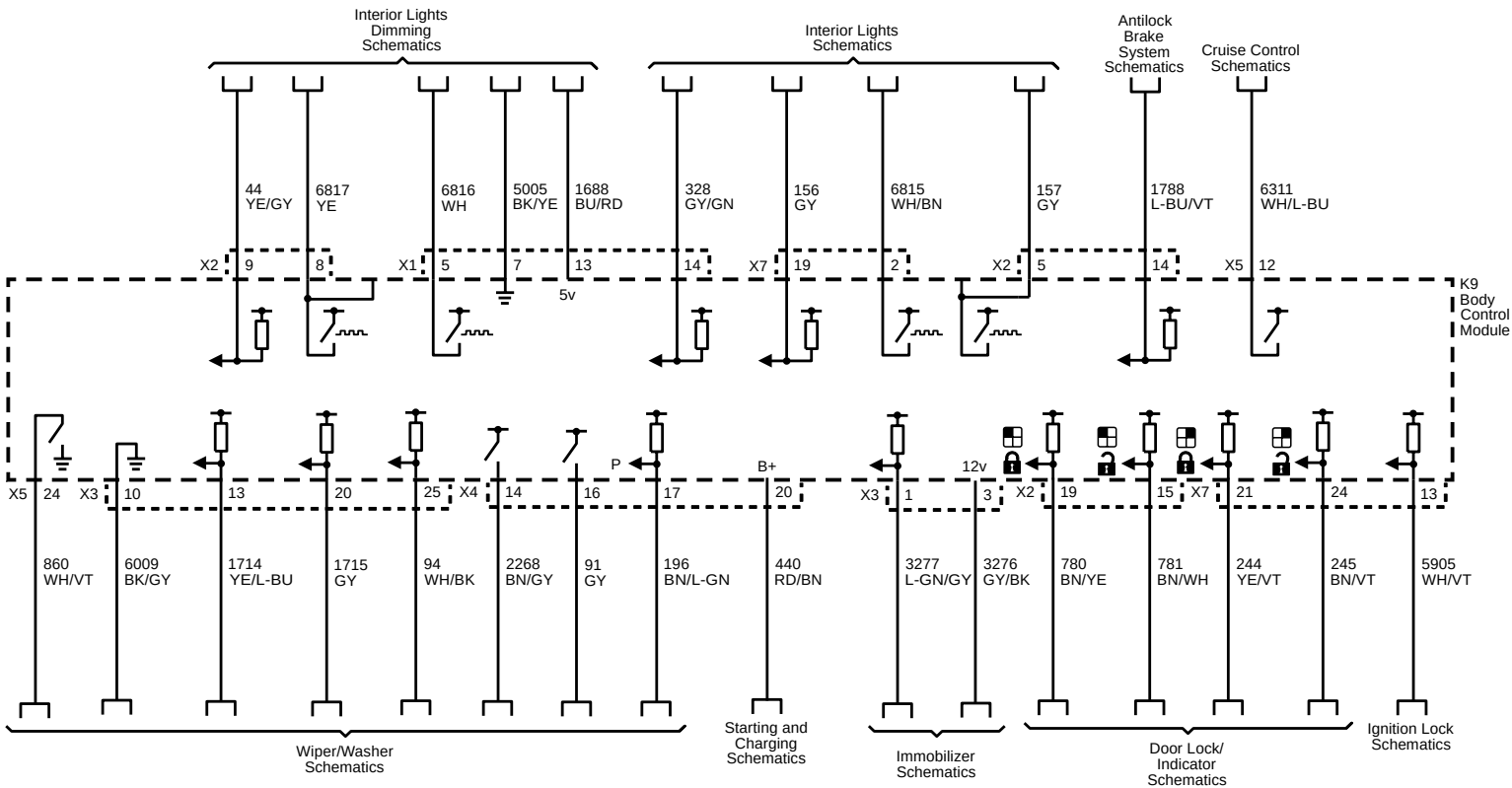


Power, Ground, and Serial Data









Description and Operation

Body Control System Description and Operation

The body control system consists of the body control module (BCM), communications, and various input and outputs. Some inputs, outputs and messages require other modules to interact with the BCM. The BCM also has discrete input and output terminals to control the vehicle's body functions. The BCM is wired to the high speed GMLAN serial data bus, low speed GMLAN serial data bus and Multiple LIN buses and acts as a gateway between them.

Power Mode Master

This vehicle body control module (BCM) functions as the power mode master (PMM). The ignition switch is a low current switch with multiple discrete ignition switch signals to the PMM for determining the power mode that will be sent over the serial data circuits to the other modules that need this information; the PMM will activate relays and other direct outputs of the PMM as needed. Refer to [Power Mode Description and Operation](#) for a complete description of power mode functions.

Gateway

The body control module (BCM) in this vehicle functions as a gateway or translator. The purpose of the gateway is to translate serial data messages between the GMLAN high speed bus and the GMLAN low speed bus for communication between the various modules. The gateway will interact with each network according to that network's transmission protocol.

All communication between the BCM and a scan tool is on the high speed GMLAN serial data circuits. A lost communication DTC typically is set in modules other than the module with a communication failure.

Body Control

The various body control module (BCM) input and output circuits are illustrated in the corresponding functional areas on the BCM electrical schematics. Refer to the [Body Control System Schematics](#) for more detailed information.

Data Link Communications Description and Operation

Note: This is an overview of different serial data buses used by GM devices to communicate with each others. Use [Data Communication Schematics](#) to find out which serial data buses are configured for a specific vehicle.

Circuit Description

There are many components in a vehicle that rely on information from other sources, transmit information to other sources, or both. Serial data communication networks provide a reliable, cost effective, way for various components of the vehicle to “talk” to one another and share information.

GM uses a number of different communication buses to insure the timely and efficient exchange of information between devices. When compared to each other, some of these buses are different in nature as far as speed, signal characteristics, and behavior. An example of this is the High Speed GMLAN and Low Speed GMLAN buses.

On the other hand, when other buses are compared to each other they have similar characteristics and simply operate in parallel. In this case they are used to group together components which have high interaction. Examples are the High Speed GMLAN, Powertrain Expansion, and Chassis Expansion buses. This allows them to communicate with each other on a bus with reduced message congestion insuring faster and the more timely exchange of information than if all vehicle devices were on a single bus.

The majority of information that exists within a given network generally stays local; however some information will have to be shared on other networks. Control modules designated as Gateway’s perform the function of transferring information between the various buses. A Gateway module is connected to at least 2 buses and will interact with each network according to its message strategy and transmission models.

GMLAN provides the capability for a receiving device to monitor message transmissions from other devices in order to determine if messages of interest are not being received. The primary purpose is to allow reasonable default values to be substituted for the information no longer being received. Additionally, a device may set a Diagnostic Trouble Code to indicate that the device it is expecting information from is no longer communicating.

High Speed GMLAN Circuit Description

A High Speed GMLAN Bus is used where data needs to be exchanged at a high enough rate to minimize the delay between the occurrence of a change in sensor value and the reception of this information by a control device using the information to adjust vehicle system performance.

The High Speed GMLAN serial data network consists of two twisted wires. One signal circuit is identified as GMLAN-High and the other signal circuit is identified as GMLAN-Low. At each end of the data bus there is a 120 Ω termination resistor between the GMLAN-High and GMLAN-Low circuits.

Data symbols (1’s and 0’s) are transmitted sequentially at a rate of 500 Kbit/s. The data to be transmitted over the bus is represented by the voltage difference between the GMLAN-High signal voltage and the GMLAN-Low signal voltage.

When the two wire bus is at rest the GMLAN-High and GMLAN-Low signal circuits are not being driven and this represents a logic “1”. In this state both signal circuits are at the same voltage of 2.5 V. The differential voltage is approximately 0 V.

When a logic “0” is to be transmitted, the GMLAN-High signal circuit is driven higher to about 3.5 V and the GMLAN-Low circuit is driven lower to about 1.5 V. The differential voltage becomes approximately 2.0 (+/- 0.5) V.

Devices on High Speed GMLAN Bus enable or disable communication based on the voltage level of the communication enable circuit. When the circuit voltage is high (around 12 V), communications are enabled. When the circuit is low, communications are disabled.

Chassis High Speed GMLAN Circuit Description

The GMLAN Chassis Expansion Bus is basically a copy of the High Speed GMLAN Bus except that its use is reserved for chassis components. This implementation splits message congestion between two parallel buses helping to insure timely message transmission and reception. Sometimes communication is required between the Chassis Expansion Bus and the primary High Speed GMLAN Bus. This is accomplished by using the K17 Electronic Brake Control Module (EBCM) as the Gateway module. Since the High Speed GMLAN Chassis Expansion Bus and primary High Speed GMLAN Bus operate in the same manner, the diagnostics for each are similar.

Powertrain High Speed GMLAN Circuit Description

The GMLAN Powertrain Expansion Bus is basically a copy of the High Speed GMLAN Bus except that its use is reserved for Powertrain components. The bus is optional based upon feature content. Sometimes communication is required between the Powertrain Expansion Bus and the primary High Speed GMLAN Bus. This is accomplished by using the K20 Engine Control Module (ECM) as the Gateway module. Since the High Speed GMLAN Powertrain Expansion Bus and the primary High Speed GMLAN Bus operate in the same manner, the diagnostics for each are similar.

Media Oriented Systems Transport (MOST) Circuit Description

The MOST Infotainment network is a dedicated high speed multimedia streaming data bus independent from GMLAN. The MOST bus will be configured in a physical hardwired loop with each device within the bus sends and receives data on an assigned MOST addresses in a set order. Each device on the MOST bus will be required to have twisted pair copper wires (2 transmit TX, 2 receive RX, and 1 electronic control line which is a 12 V wakeup signal line). The A11 Radio is the MOST Master and will monitor the bus for vehicle configuration, Infotainment data messages and errors on the bus. The MOST initialization consists of a short 100 ms low voltage pulse on the electronic control line (or MOST control line) connected to all devices contained on the MOST ring. This wakeup message once received by each device, will first respond with a generic device response. Once these initial responses on the MOST bus are reported successfully without error to the A11 Radio, the second data request will record the MOST device addresses, their functionality requirements and capabilities within. The A11 Radio will learn this information and also record the address node sequence on the MOST bus at this point. This node address list will now be stored within the A11 Radio as the MOST bus configuration (called “Last Working MOST ID of Node 1 – 9” on scan tool data display).

When MOST receive, transmit, or control line faults are detected, transmit/receive messages will not received as expected from the wakeup request. The A11 Radio and the K74 Human Machine Interface Control Module will then perform diagnostics to isolate these MOST faults. If the MOST control line is shorted low to 0 V for excess amount of time, the A11 Radio will set a U2098 DTC and K74 Human Machine Interface Control Module will set a U0029 02 DTC. At this point the MOST bus will be unable to communicate until the shorted MOST control line is repaired.

Once the shorted MOST control line diagnostics pass, the A11 Radio will attempt to resend the initial short pulse attempts up to 3 times on the MOST control line. If the expected responses are not received, the A11 Radio continues into a failure mode setting a U0028 DTC and will continue on to send one 300 ms long pulse, which will enable the furthest upstream transmitting device to become the surrogate MOST Master in this MOST fault/diagnostic mode. When the A11 Radio receives this new MOST Master identity, the surrogate MOST master device can be identified based on scan tool data parameter “Surrogate MOST Master Node Upstream Position”. The scan tool should be used to determine the MOST bus configuration and direction by utilizing the “Last Working MOST ID of Node 1 – 9” parameters from the A11 Radio data display. When a fault is present, it will indicate the newly enabled “Surrogate MOST Master Node Upstream Position” from the A11 Radio. This will assist in determining where the MOST bus/control is at fault. The MOST device upstream from the surrogate MOST master device, transmit, receive, or control lines will be the suspect areas for diagnostics at this point. These faults can be associated with any of the MOST transmit, receive, or control line twisted copper wires or possibly an internal device fault.

The K74 Human Machine Interface Control Module will set a U0029 00 DTC when it diagnoses a MOST bus not communicating properly after one attempt. When the DTC U0029 00 is set by the K74 Human Machine Interface Control Module without the corresponding DTC U0028 from the A11 Radio, it will be an indication of an intermittent wiring/device condition.

Low Speed GMLAN Circuit Description

Low Speed GMLAN Bus is used in applications where a high data rate is not required which allows for the use of less complex components. It is typically used for operator controlled functions where the response time requirements are slower than those required for dynamic vehicle control.

The Low Speed GMLAN Serial Data Network consists of a single wire, ground referenced bus with high side voltage drive. During on road vehicle operation data symbols (1's and 0's) are transmitted sequentially at the normal rate of 33.3 Kbit/s. For component programming only, a special high speed data mode of 83.3 Kbit/s may be used.

Unlike the high speed dual wire networks, the single wire low speed network does not use terminating resistors at either end of the network.

The data symbols to be transmitted over the bus are represented by different voltage signals on the bus. When the Low Speed GMLAN Bus is at rest and is not being driven, there is a low signal voltage of approximately 0.2 V. This represents a logic "1". When a logic "0" is to be transmitted, the signal voltage is driven higher to around 4.0 V or higher.

Local Interconnect Network (LIN) Circuit Description

The Local Interconnect Network (LIN) Bus consists of a single wire with a transmission rate of 10.417 Kbit/s. This bus is used to exchange information between a master control module and other smart devices which provide supporting functionality. This type of configuration does not require the capacity or speed of either a High Speed GMLAN Bus or Low Speed GMLAN Bus and is thus relatively simpler.

The data symbols (1's and 0's) to be transmitted are represented by different voltage levels on the communication bus. When the LIN Bus is at rest and is not being driven, the signal is in a high voltage state of approximately Vbatt. This represents a logic "1". When a logic "0" is to be transmitted, the signal voltage is driven low to about ground (0.0 V).

Data Link Connector (DLC)

The X84 Data Link Connector (DLC) is a standardized 16-cavity connector. Connector design and location is dictated by an industry wide standard, and is required to provide the following:

- Terminal 1 Low speed GMLAN communications terminal
- Terminal 2 Class 2 communications terminal
- Terminal 3 Mid speed GMLAN serial bus (+) terminal or Object high speed GMLAN serial bus (+) terminal
- Terminal 4 Scan tool power ground terminal
- Terminal 5 Common signal ground terminal
- Terminal 6 High speed GMLAN serial data bus (+) terminal
- Terminal 7 Keyword communications terminal
- Terminal 11 Mid speed GMLAN serial bus (-) terminal or Object high speed GMLAN serial bus (-) terminal
- Terminal 12 Chassis high speed GMLAN serial bus (+) terminal
- Terminal 13 Chassis high speed GMLAN serial bus (-) terminal
- Terminal 14 High speed GMLAN serial data bus (-) terminal
- Terminal 16 Scan tool power, battery positive voltage terminal

Serial Data Reference

The scan tool communicates over the various buses on the vehicle. When a scan tool is installed on a vehicle, the scan tool will try to communicate with every device that could be optioned into the vehicle. If an option is not installed on the vehicle, the scan tool will display No Comm (or Not Connected) for that optional device. In order to avert misdiagnoses of No Communication with a specific device, refer to [CELL Link Error - Link target cell \(cell ID: 148085\) is invalid for this publication.](#) for a list of devices, the buses they communicate with, and the RPO codes for a specific device.

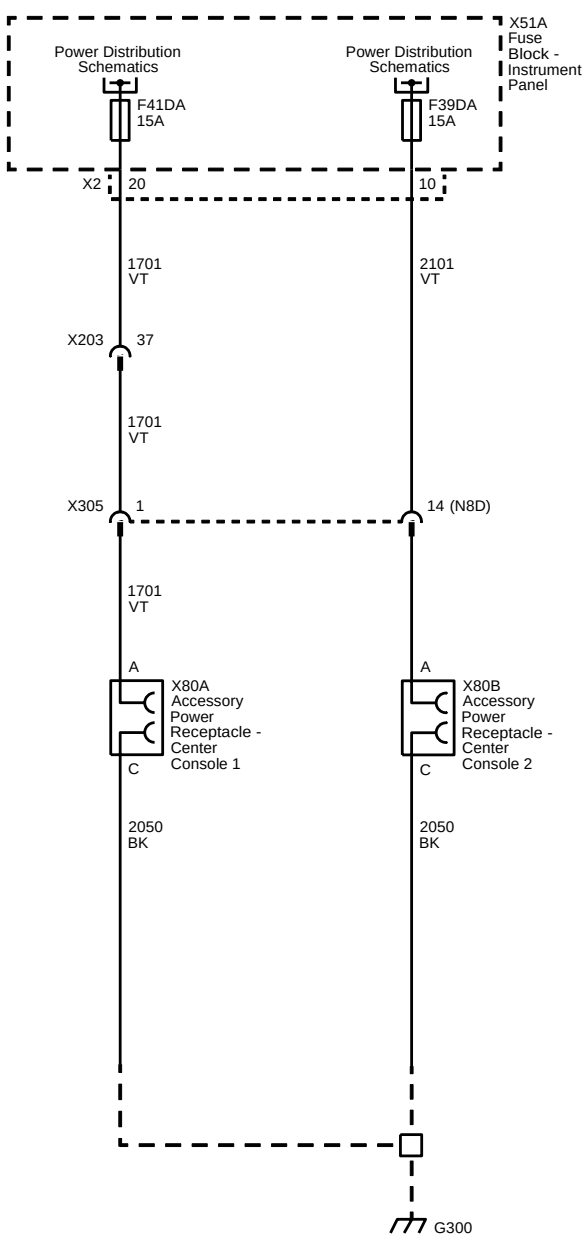
cardiagn.com

Power Outlets

Schematic and Routing Diagrams

Cigar Lighter/Power Outlet Schematics

12-Volt DC Power Outlets



Description and Operation

Power Outlets Description and Operation

System Description

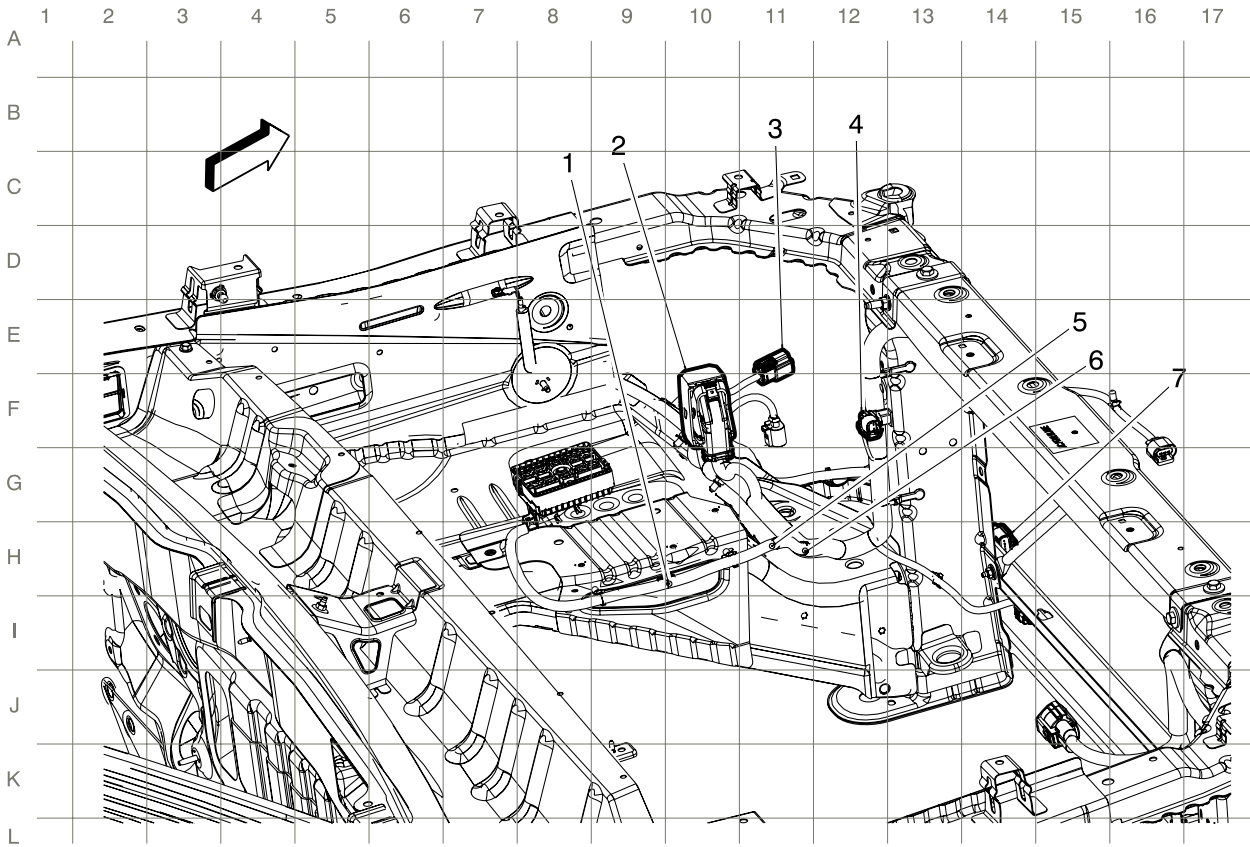
The vehicle is fitted with either a cigarette lighter or with 12 V accessory power outlets. The power outlet is operational when the ignition is turned to either the On or the Accessories positions. The cigarette lighter is operational whenever the ignition is in the On position. To operate the cigarette lighter, press in the lighter knob. When the element is hot, the lighter automatically pops out and is ready for use.

Wiring Systems and Power Management

Schematic and Routing Diagrams

Harness Routing Views

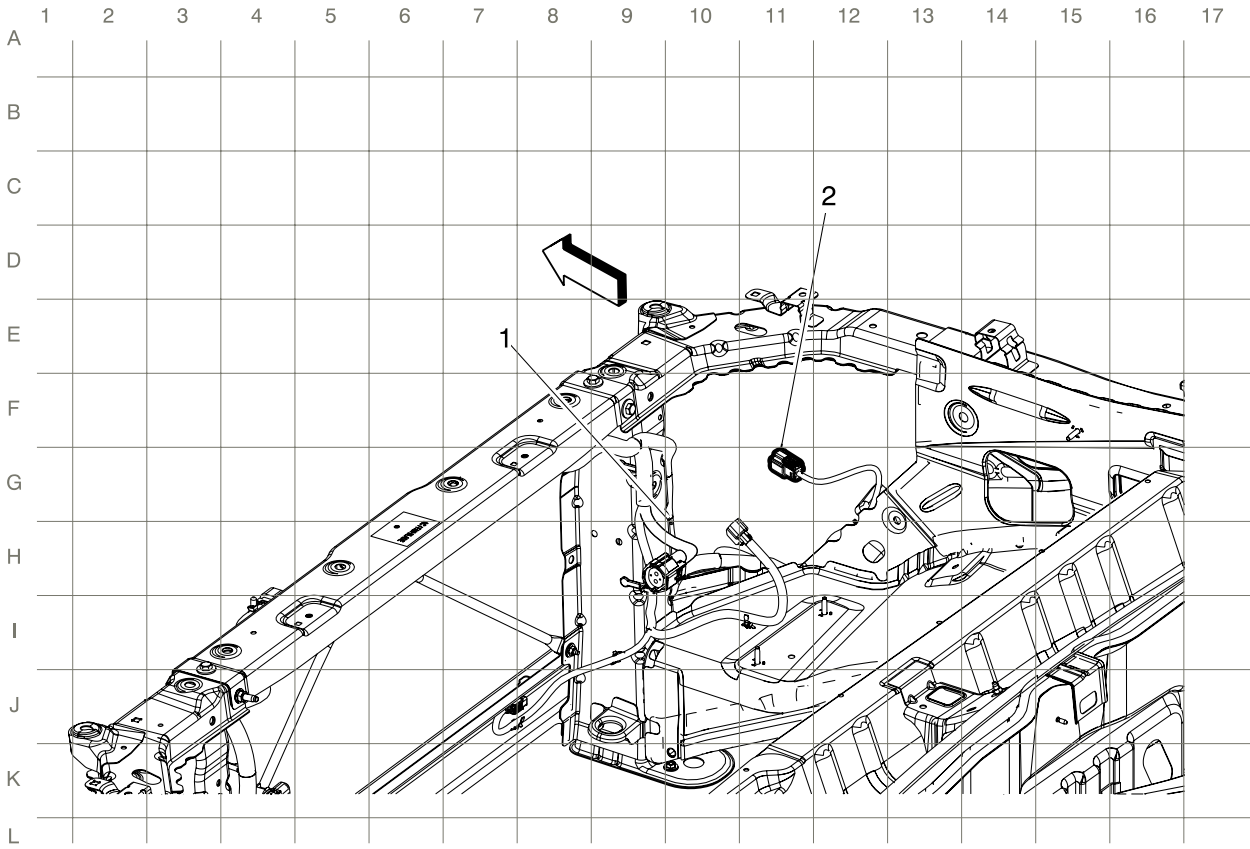
Forward Lamp Harness Routing - Left Engine Compartment



Items

- 1. J117
- 2. X102
- 3. X110
- 4. X104
- 5. J118
- 6. J119
- 7. X105

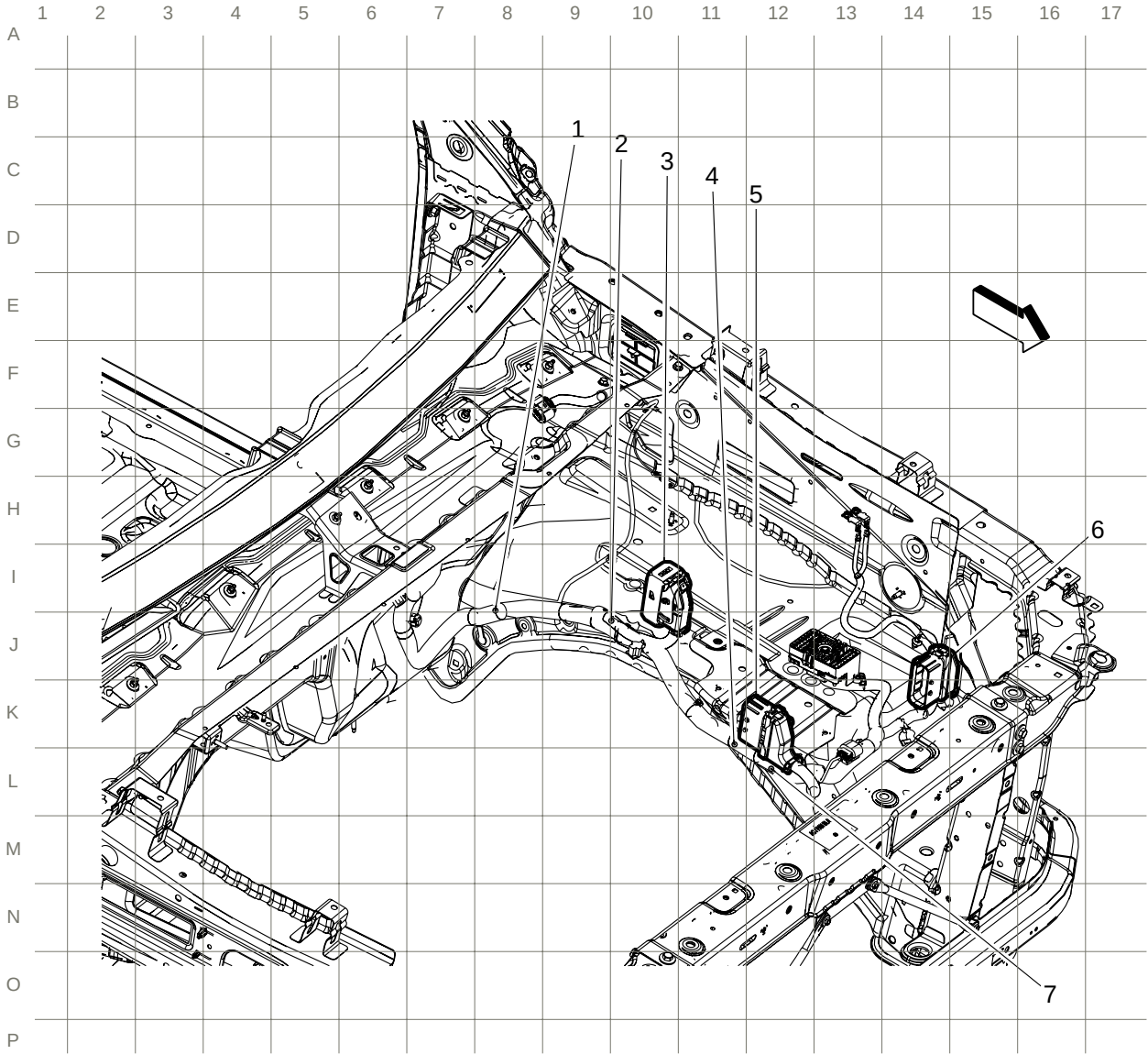
Forward Lamp Harness Routing - Right Engine Compartment



Items

- 1. J120
- 2. X120

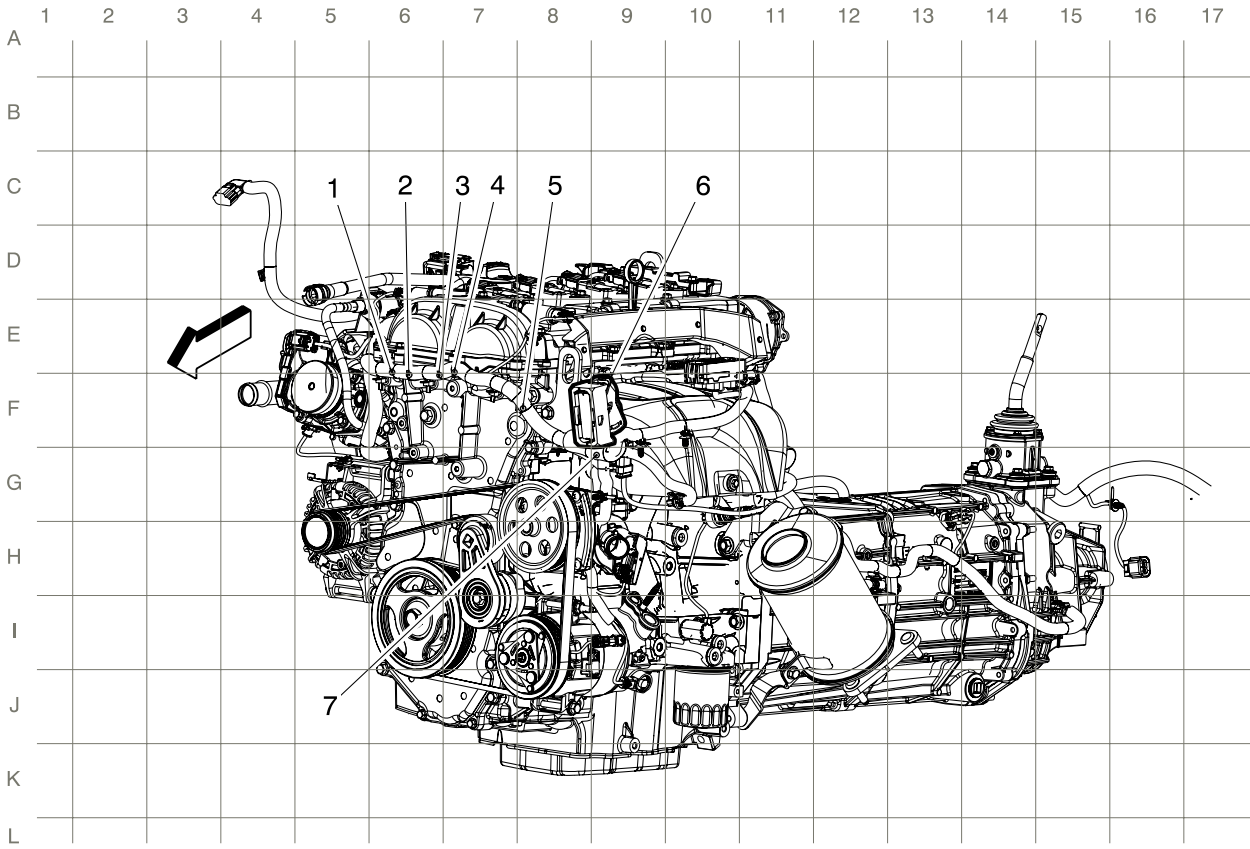
Body Harness Routing - Left Engine Compartment



Items

- 1. J103
- 2. J102
- 3. X106
- 4. J101 (NQ6/NQ7)
- 5. X101
- 6. X102
- 7. J100 (NQ6)

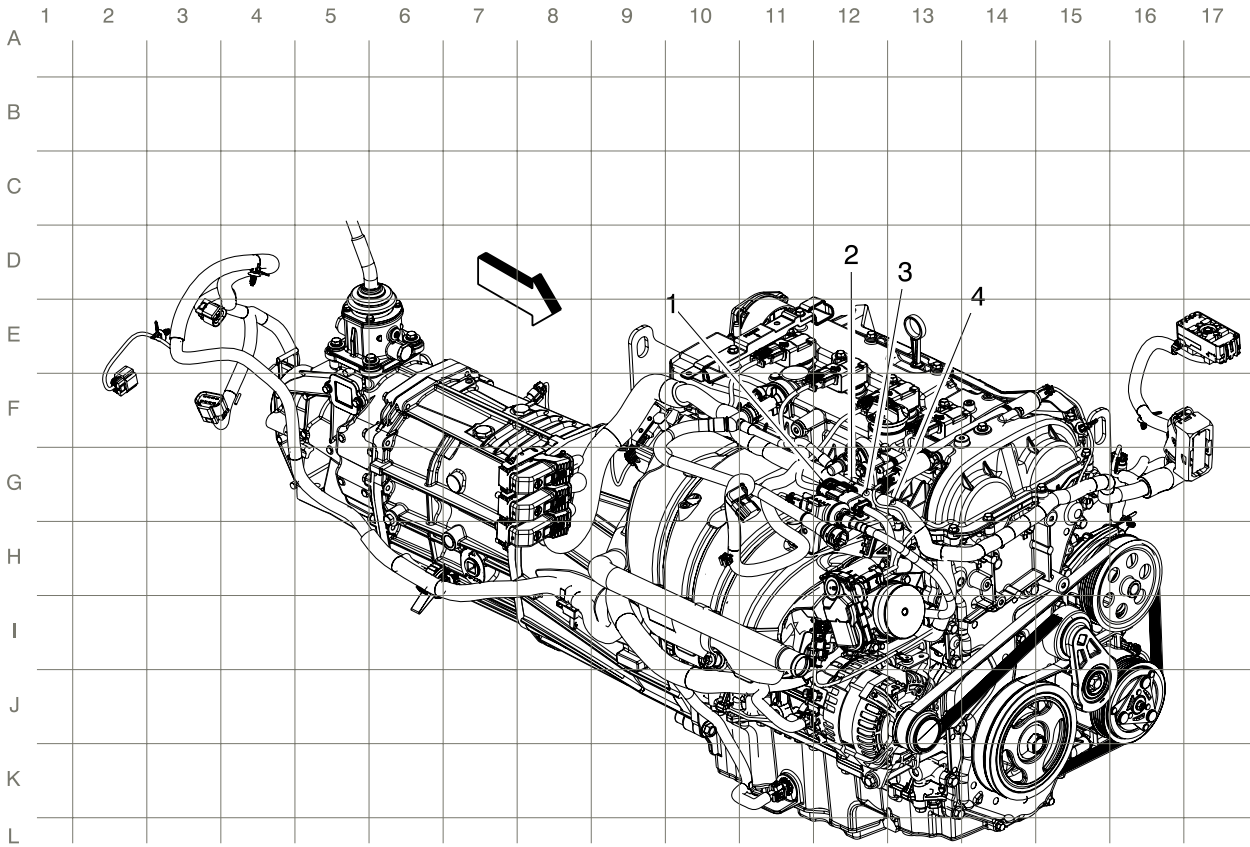
Engine Harness Routing - Left Front (LCV)



Items

- 1. J111
- 2. J109
- 3. J107
- 4. J110
- 5. J108 (LCV)
- 6. X101
- 7. J106

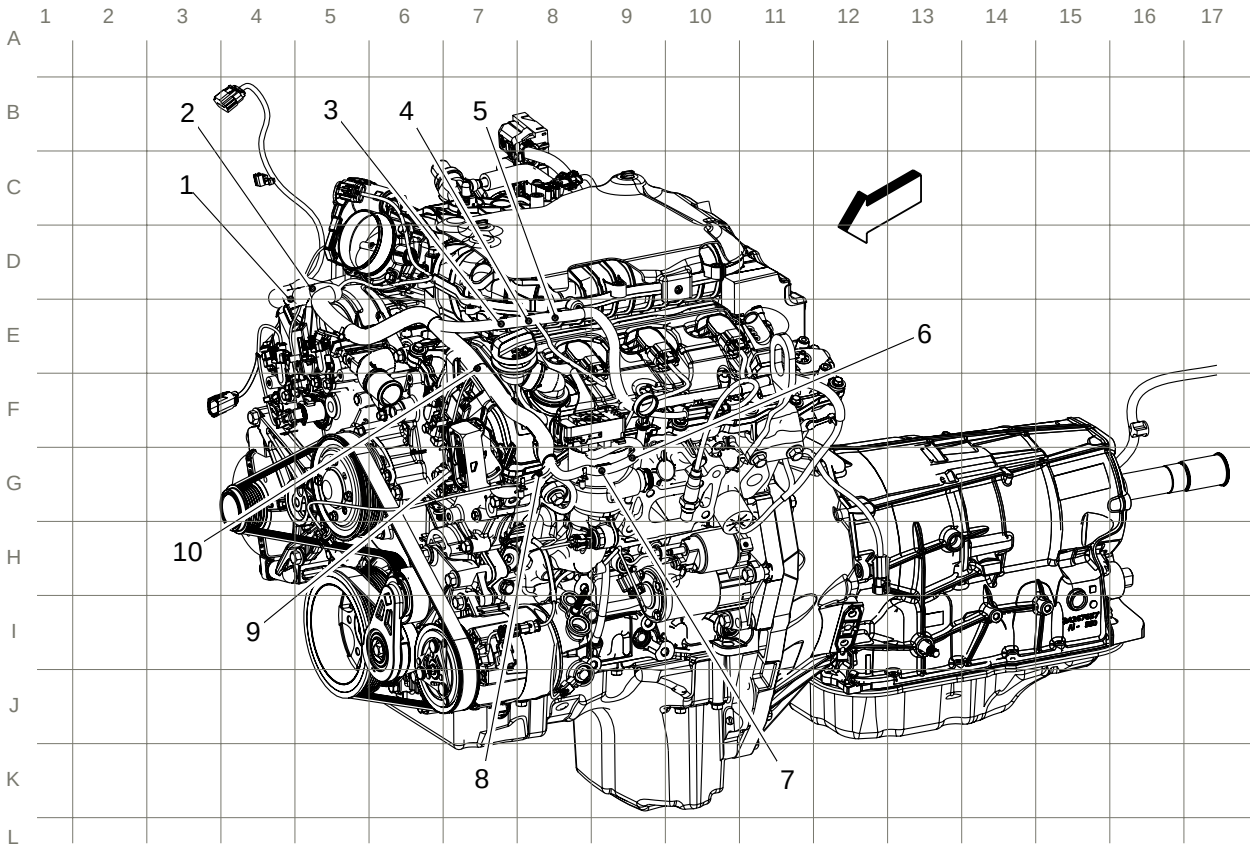
Engine Harness Routing - Right Front Top (LCV)



Items

- 1. X160
- 2. J112 (LCV)
- 3. J113
- 4. J114

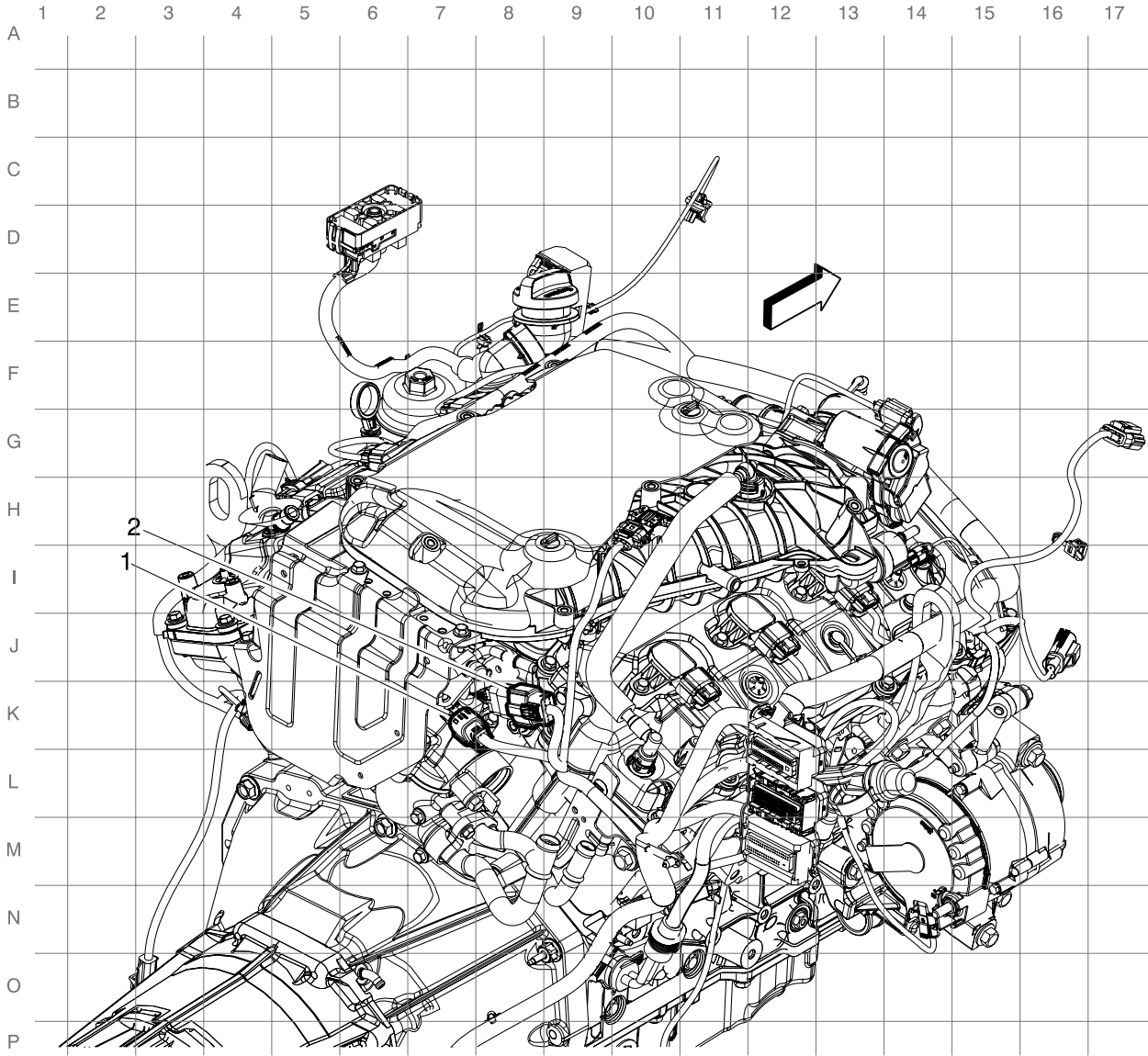
Engine Harness Routing - Front (LFX)



Items

- 1. J114
- 2. J110
- 3. J109
- 4. J111
- 5. J116 (LFX)
- 6. J113
- 7. J107
- 8. J106
- 9. X101
- 10. J115 (LFX)

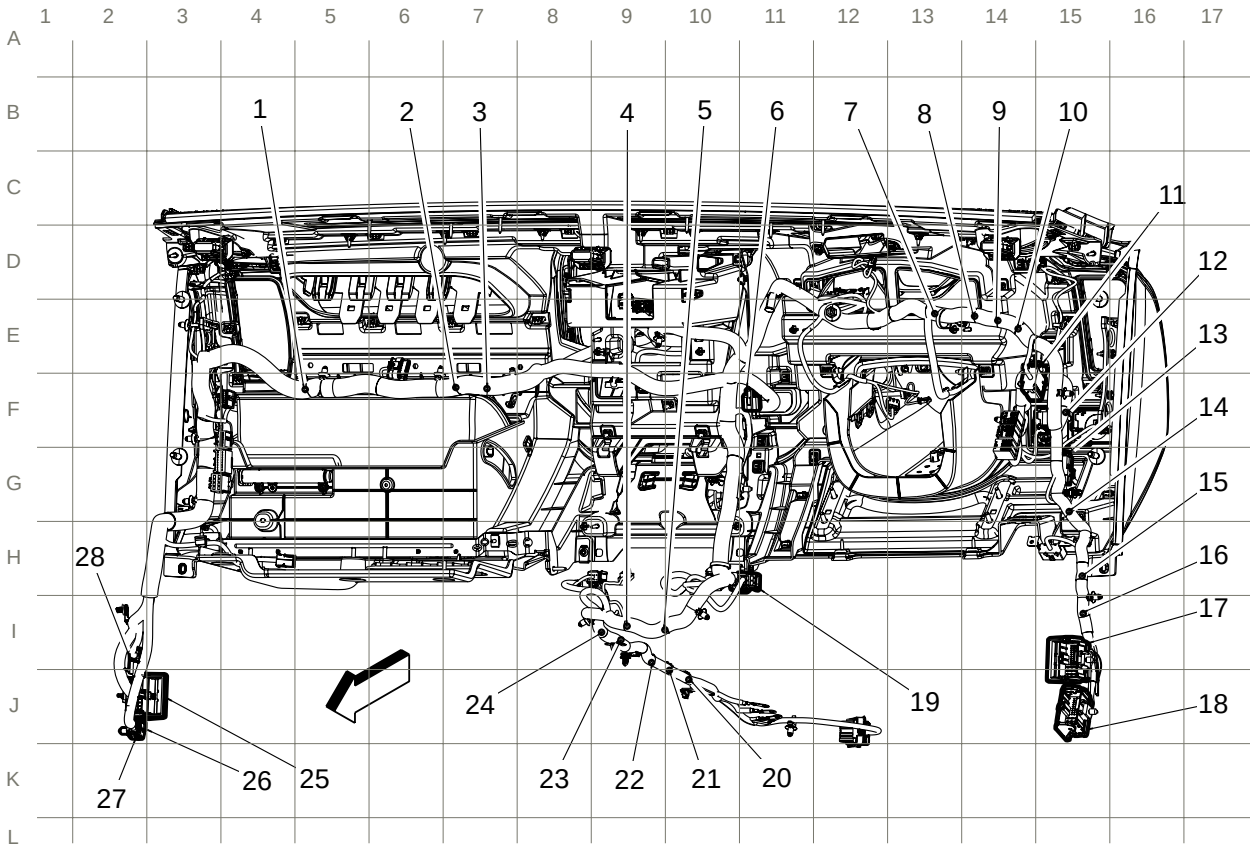
Engine Harness Routing - Rear (LFX)



Items

- 1. X160
- 2. X161 (LFX)

Instrument Panel Harness Routing - Rear

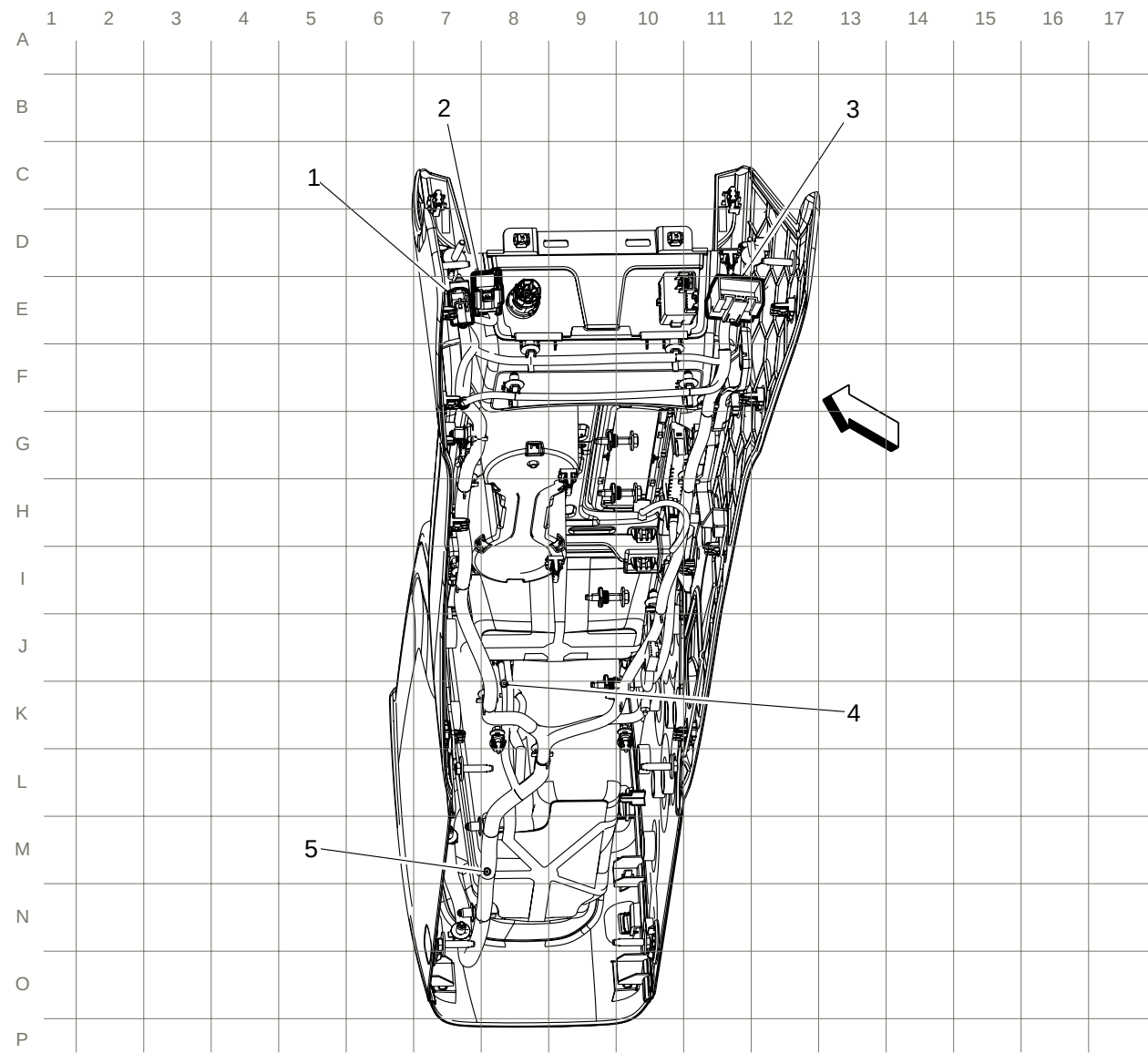


Items

- 1. J231
- 2. J229 (UQ3)
- 3. J230 (UQ3)
- 4. J222 (IO4/IO5/IO6)
- 5. J223
- 6. X206 (C68)
- 7. J219 (UQ3)
- 8. J221
- 9. J220
- 10. J218 (UQ3)
- 11. JX200
- 12. J217 (KA1)
- 13. X399
- 14. J214
- 15. J215

- 16. J216
- 17. X200
- 18. X202
- 19. X204
- 20. J228
- 21. J227
- 22. J226 (TG5/IO4/IO5/IO6)
- 23. J225
- 24. J224
- 25. X203
- 26. X220 (IO6)
- 27. X219 (Except U2M)
- 28. X218 (U2M)

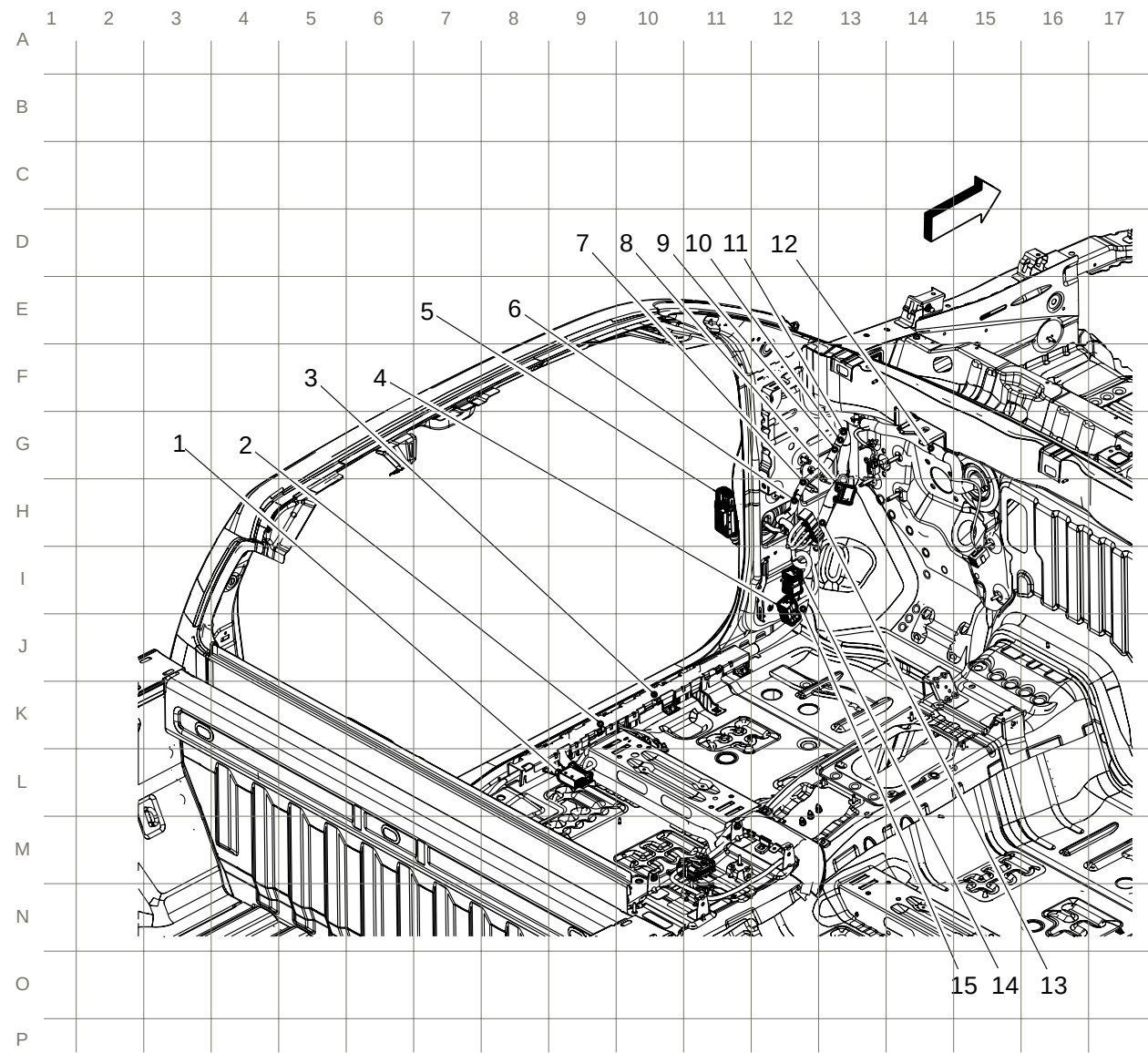
Center Console Harness Routing



Items

- 1. X302
- 2. X205 (MYB)
- 3. X204
- 4. J304 (IO3 with N8D)
- 5. J305

Body Harness Routing - Left Front of Passenger Compartment (Extended Cab)

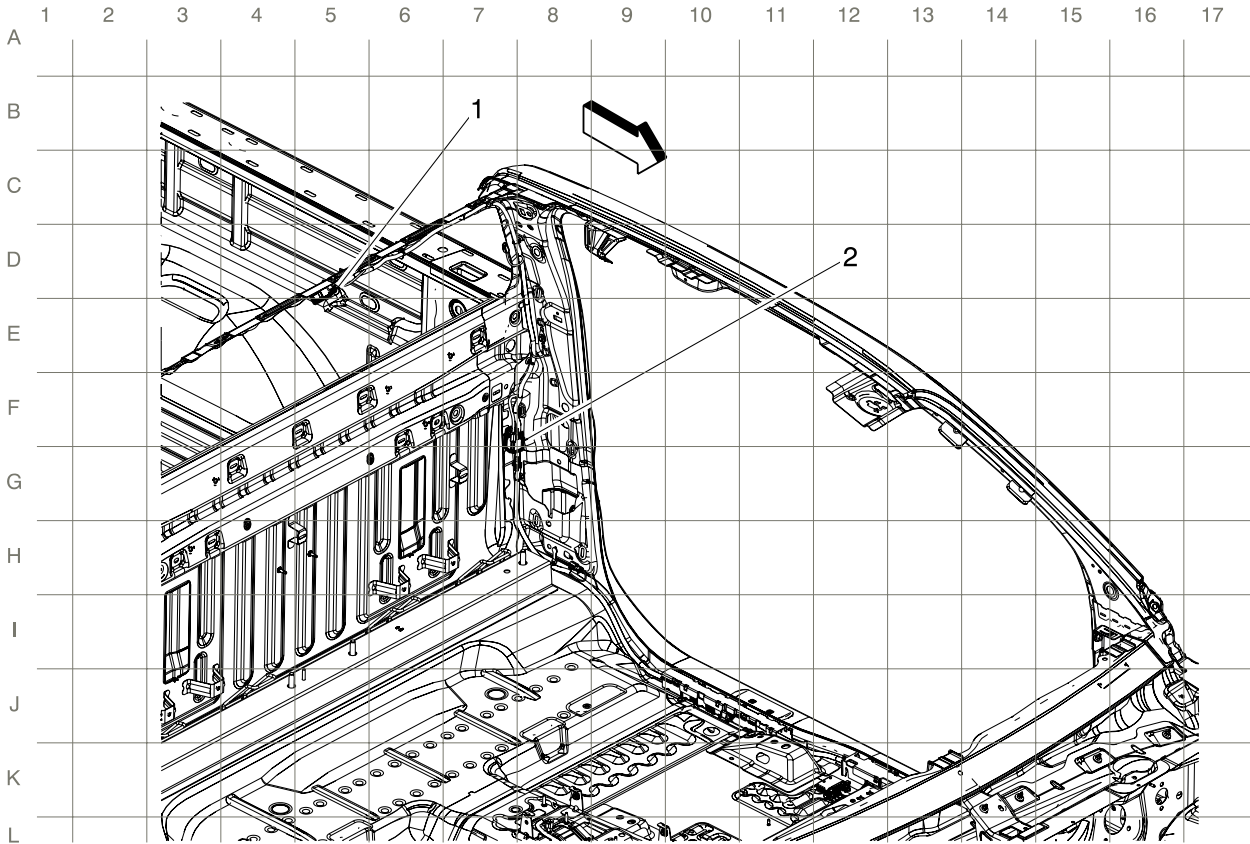


Items

- 1. X310
- 2. J302 (53)
- 3. J209
- 4. X200
- 5. X500
- 6. J201
- 7. J203
- 8. JX201
- 9. J204
- 10. J205
- 11. J202

- 11. J202
- 12. J200
- 13. J208
- 14. X202
- 15. J206

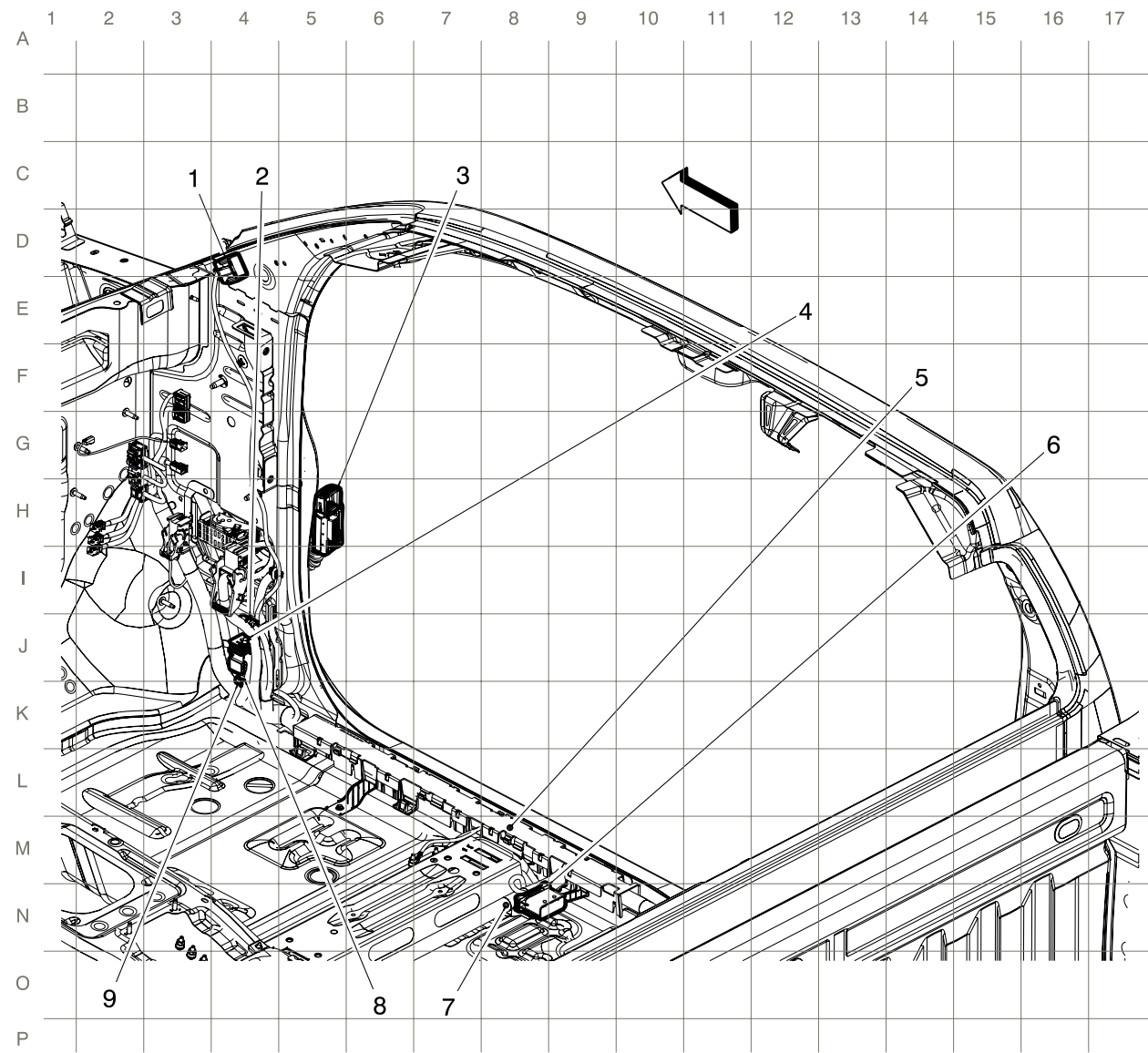
Body Harness Routing - Left Rear of Passenger Compartment (Extended Cab)



Items

- 1. X301
- 2. X700

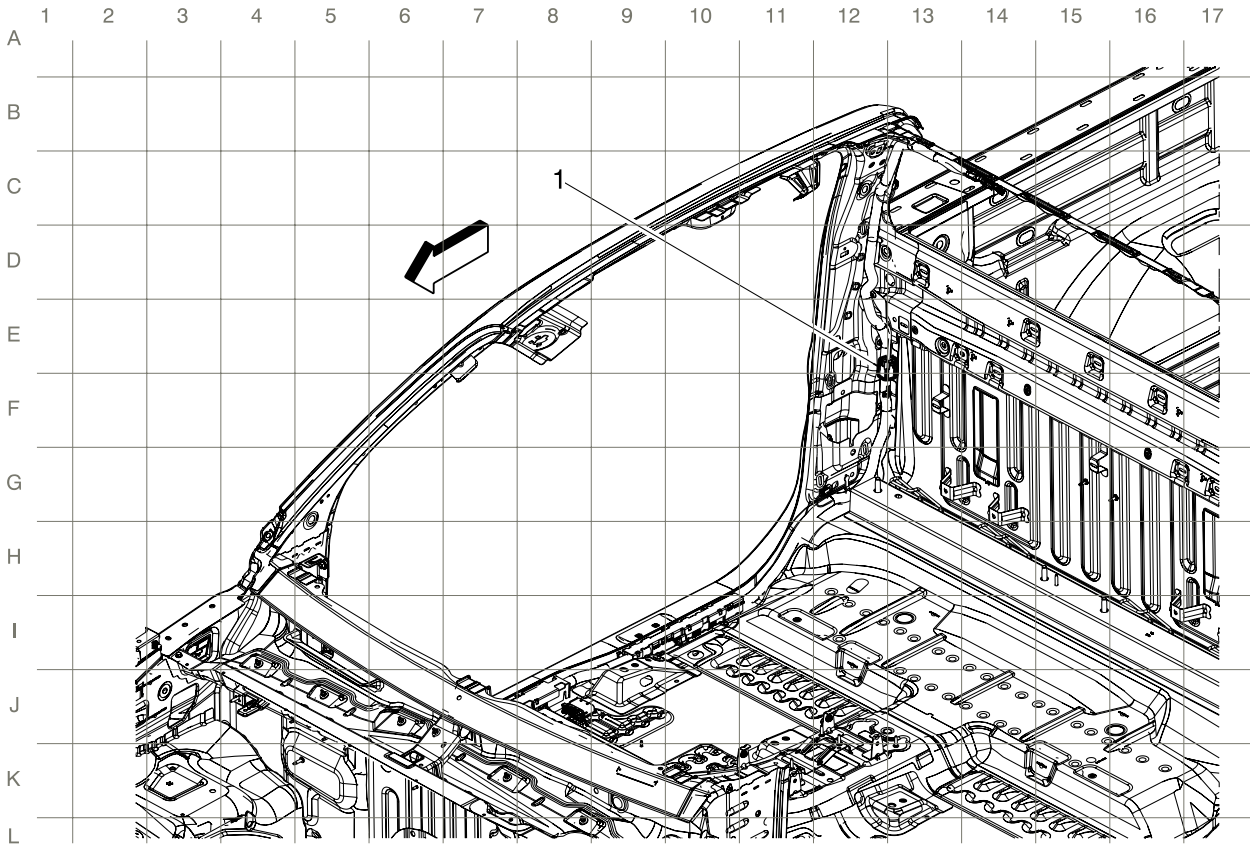
Body Harness Routing - Right Front of Passenger Compartment (Extended Cab)



Items

- 1. X300
- 2. X218 (U2M)
- 3. X600
- 4. X203
- 5. J303 (53)
- 6. X320
- 7. J301
- 8. X219 (Except U2M)
- 9. X220 (IO6)

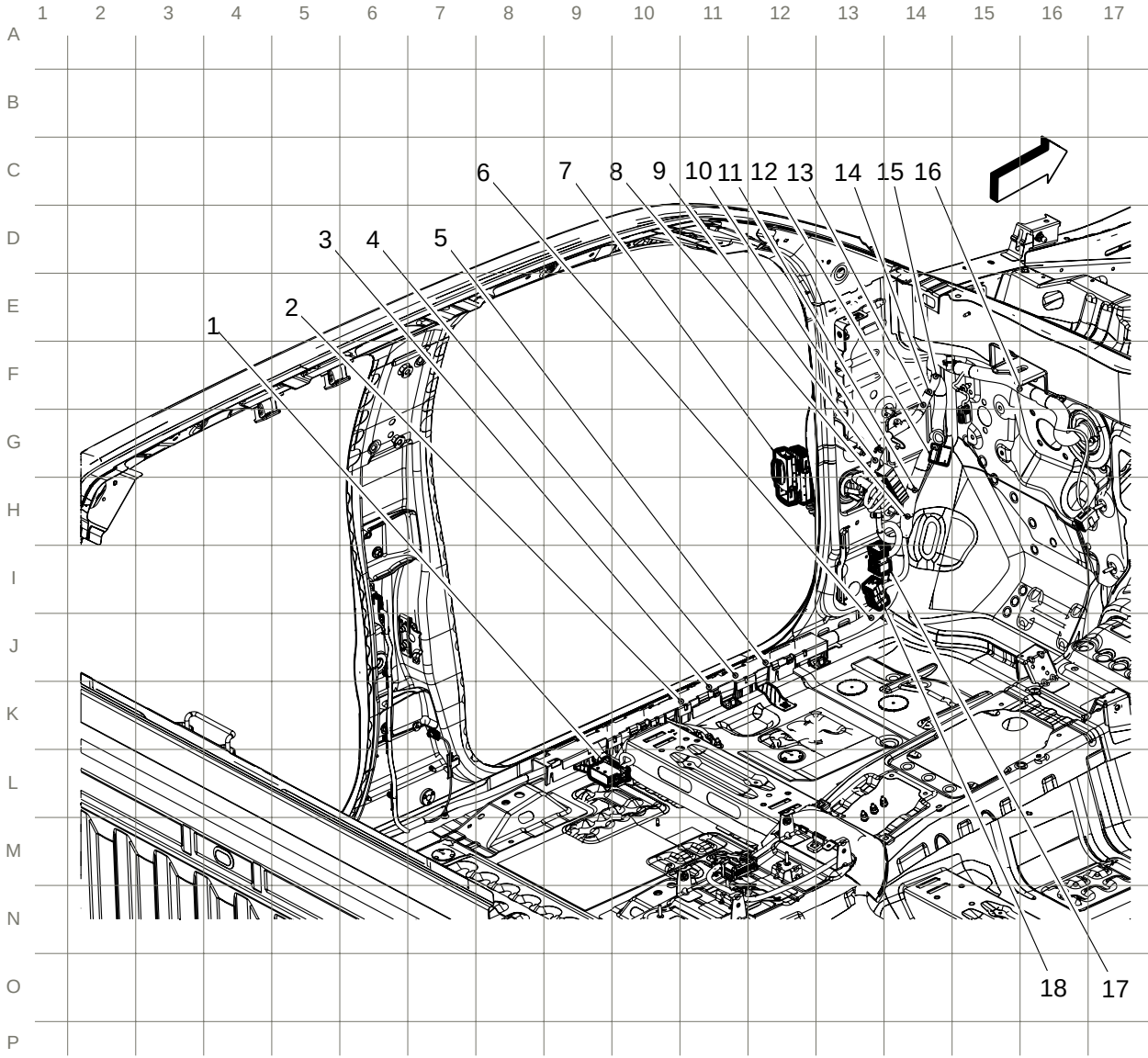
Body Harness Routing - Right Rear of Passenger Compartment (Extended Cab)



Items

- 1. X800

Body Harness Routing - Left Front of Passenger Compartment (Crew Cab)

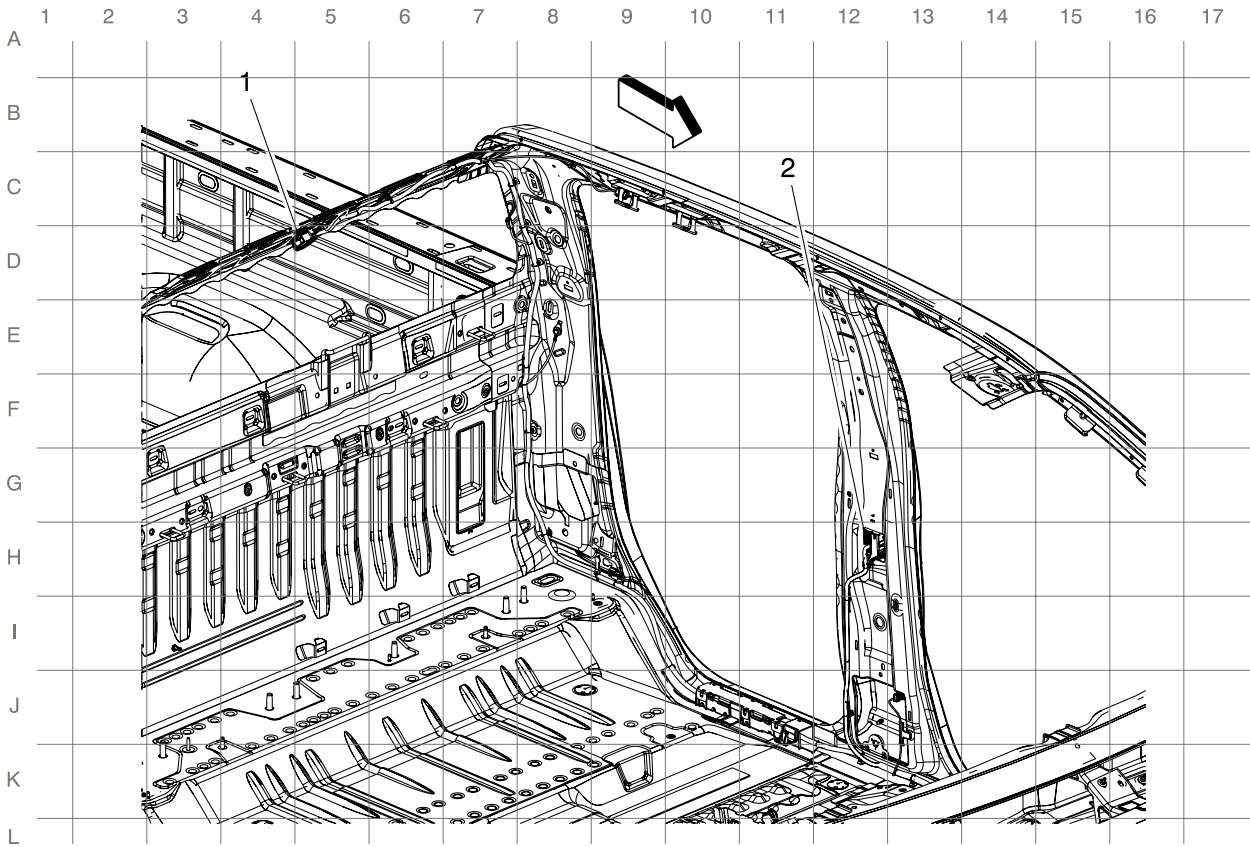


Items

- 1. X310
- 2. J209
- 3. J210 (43)
- 4. J211 (43)
- 5. J212 (43)
- 6. J206
- 7. X500
- 8. J207
- 9. J204
- 10. J203
- 11. J208

- 11. J208
- 12. JX201
- 13. J202
- 14. J205
- 15. J201
- 16. J200
- 17. X202
- 18. X200

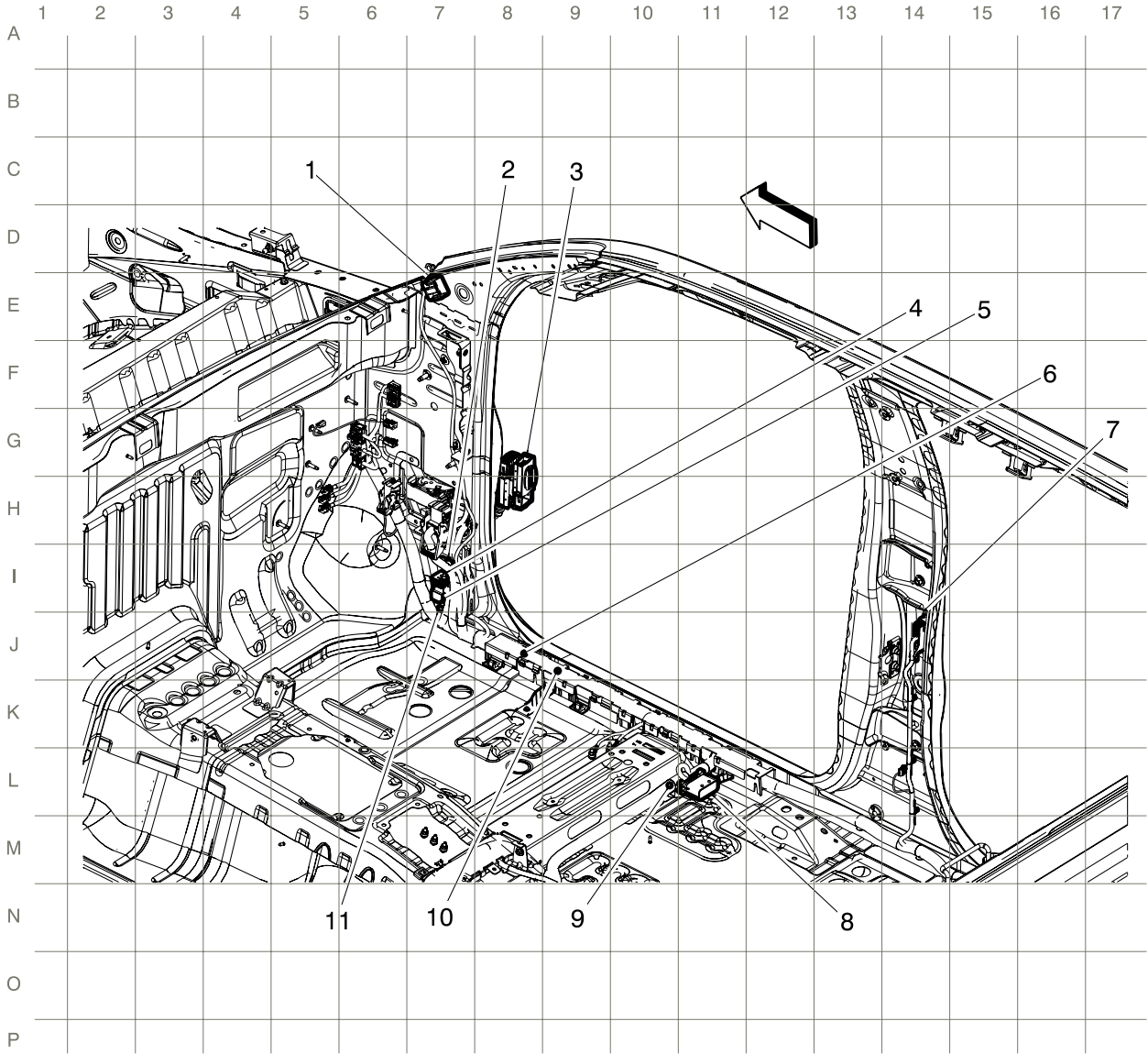
Body Harness Routing - Left Rear of Passenger Compartment (Crew Cab)



Items

- 1. X301
- 2. X700

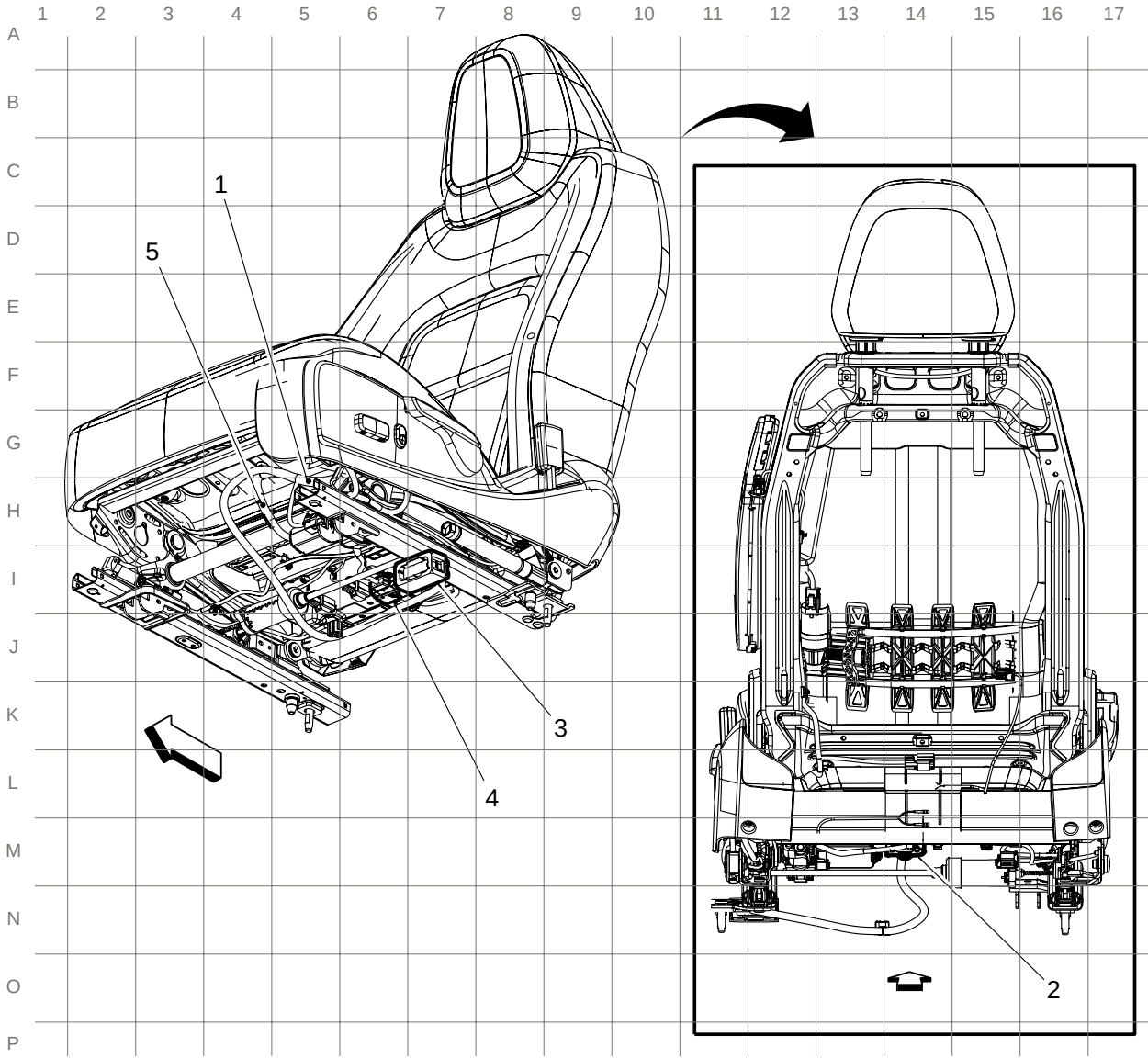
Body Harness Routing - Right Front of Passenger Compartment (Crew Cab)



Items

- 1. X300
- 2. X218 (U2M)
- 3. X600
- 4. X203
- 5. X220 (IO6)
- 6. J213 (43 with AXG)
- 7. X800
- 8. X320
- 9. J301
- 10. J300 (43 with AXG)
- 11. X219 (Except U2M)

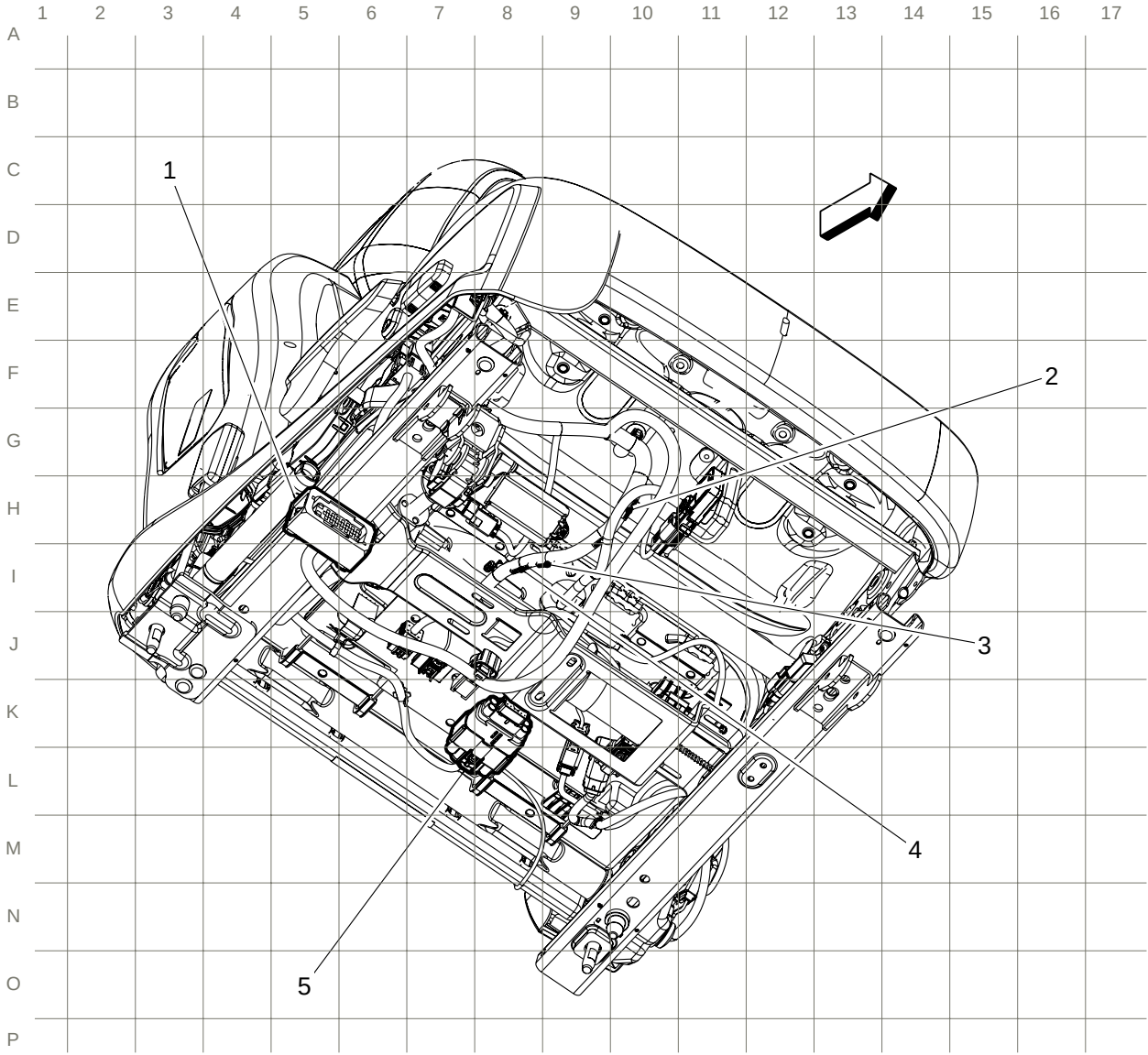
Driver Seat Harness Routing



Items

- 1. J309 (AL9)
- 2. X311
- 3. X310
- 4. X311
- 5. J311 (AH6/AL9/KA1)

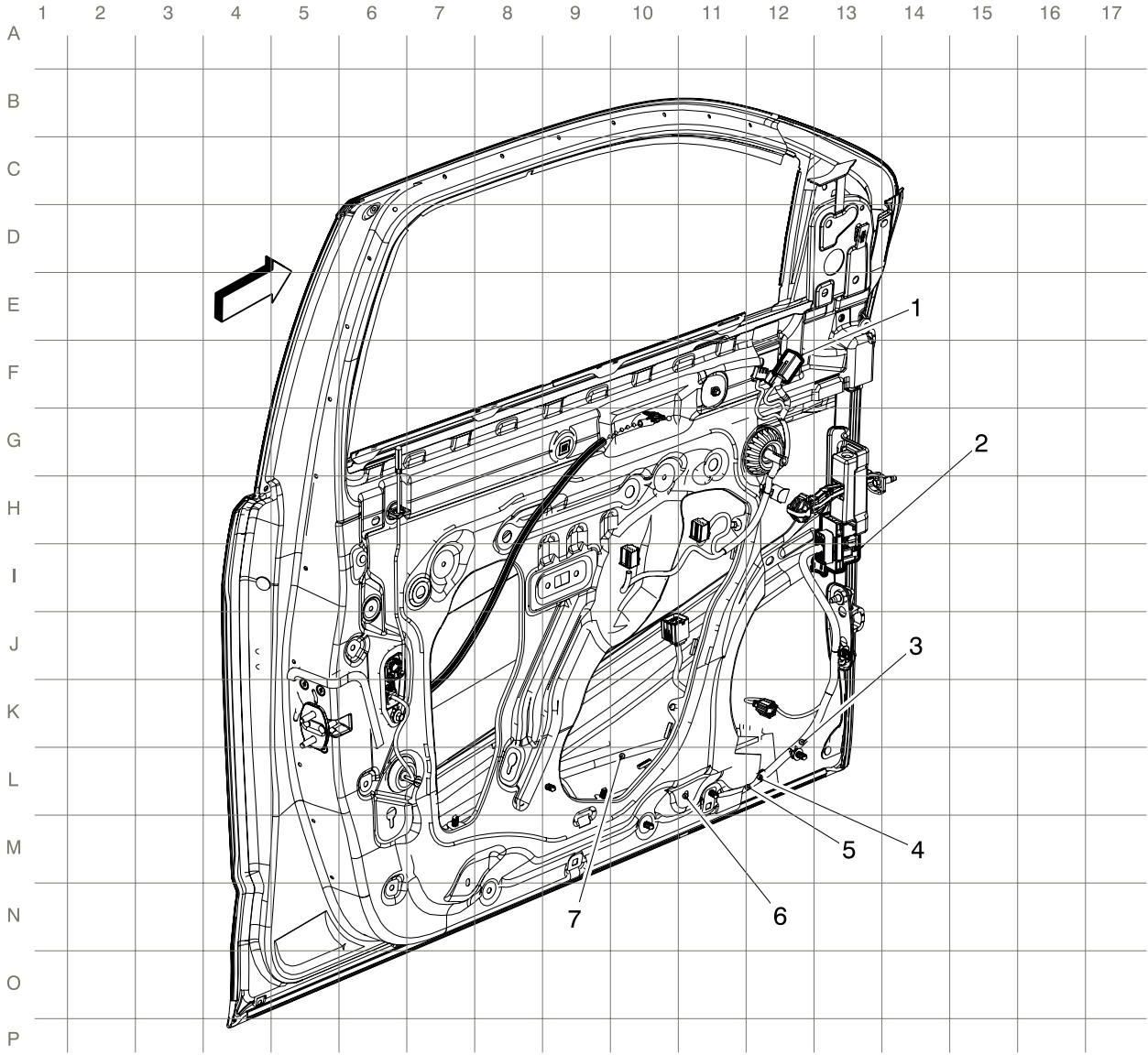
Passenger Seat Harness Routing



Items

- 1. X320
- 2. J310 (AT9)
- 3. J313 (AL0)
- 4. J312 (AAQ/AT9/KA1)
- 5. X321

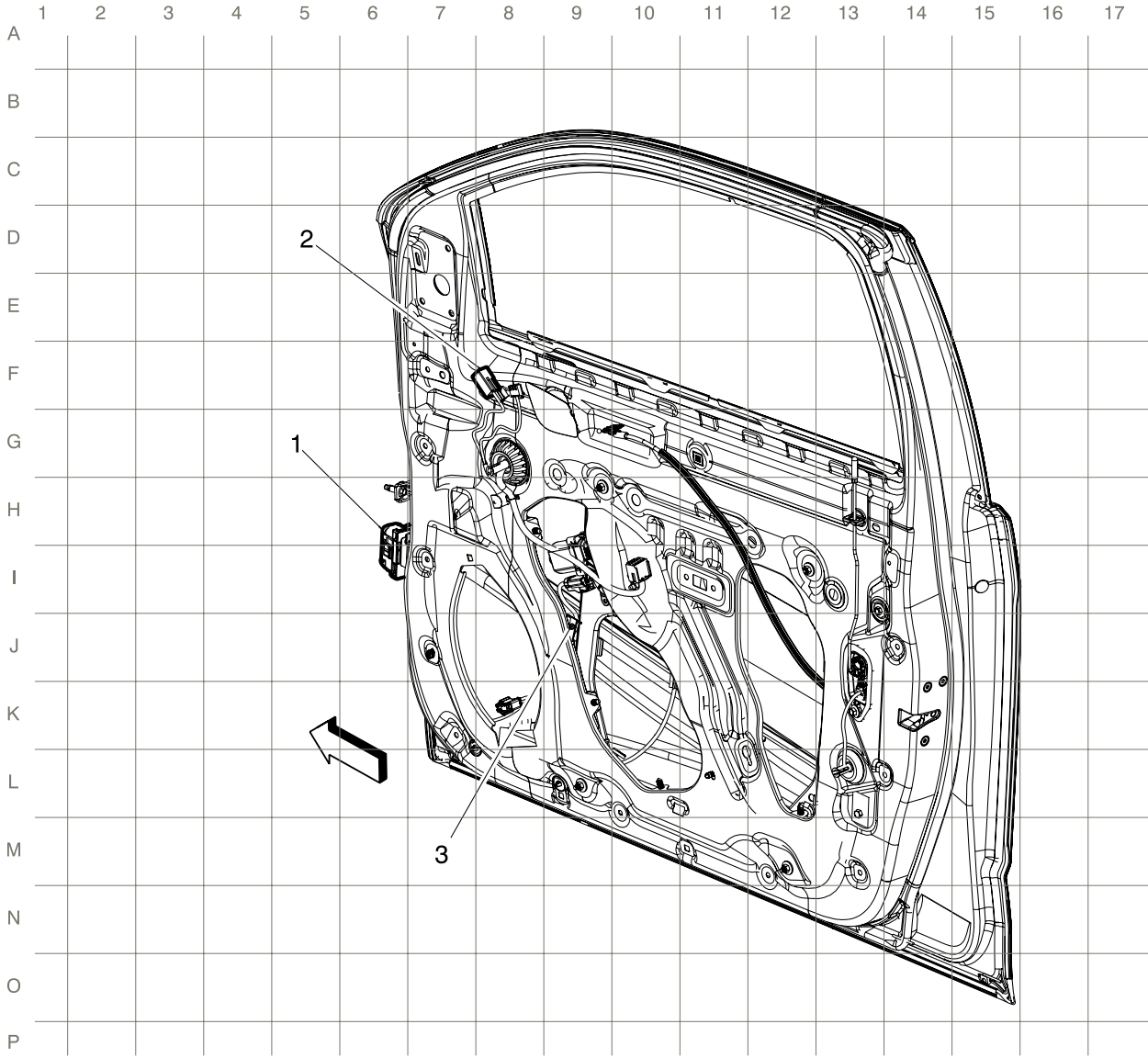
Driver Door Harness Routing



Items

- 1. X510
- 2. X500
- 3. J504
- 4. J505
- 5. J503
- 6. J501
- 7. J502

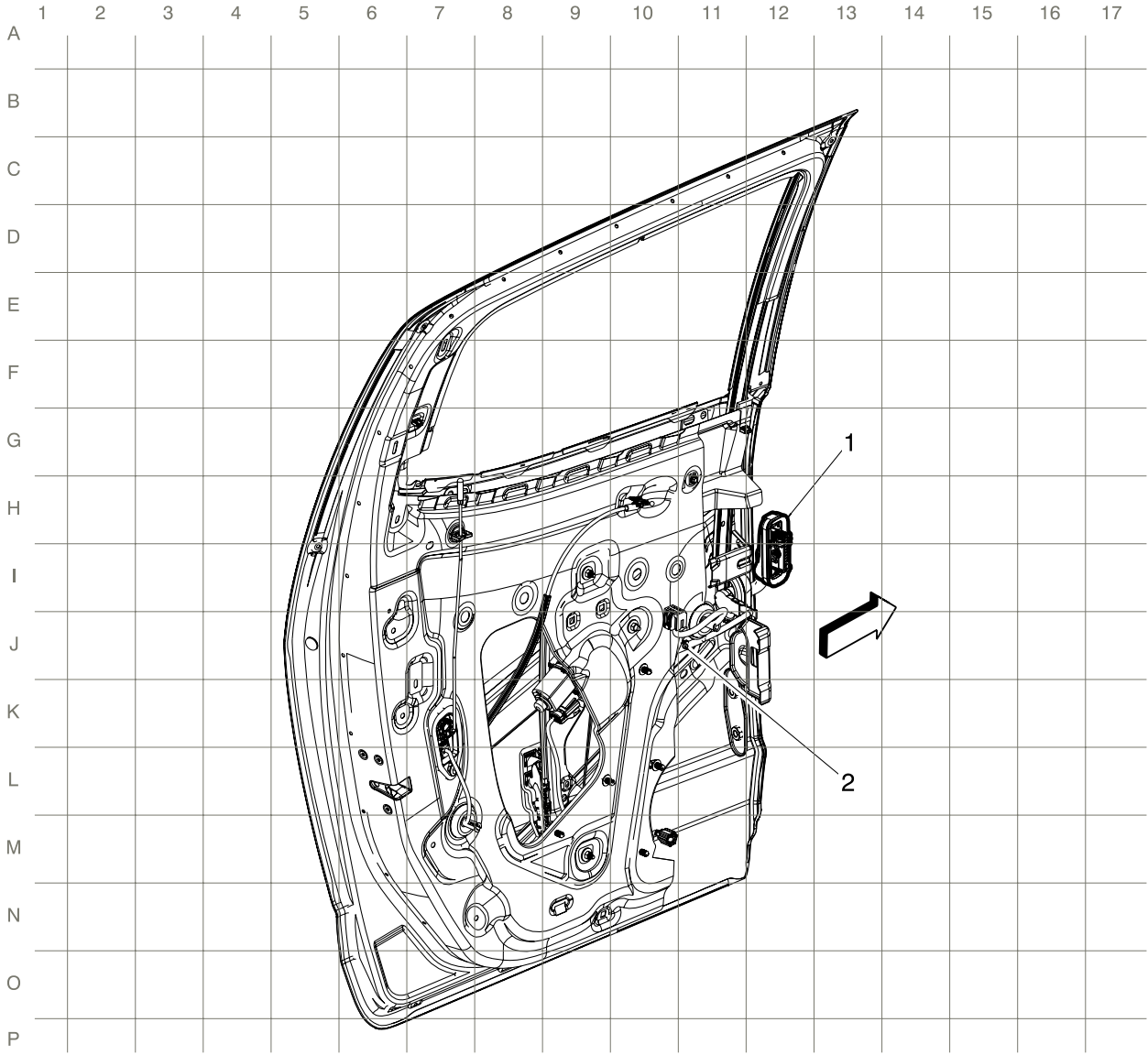
Passenger Door Harness Routing



Items

- 1. X600
- 2. X610
- 3. J600

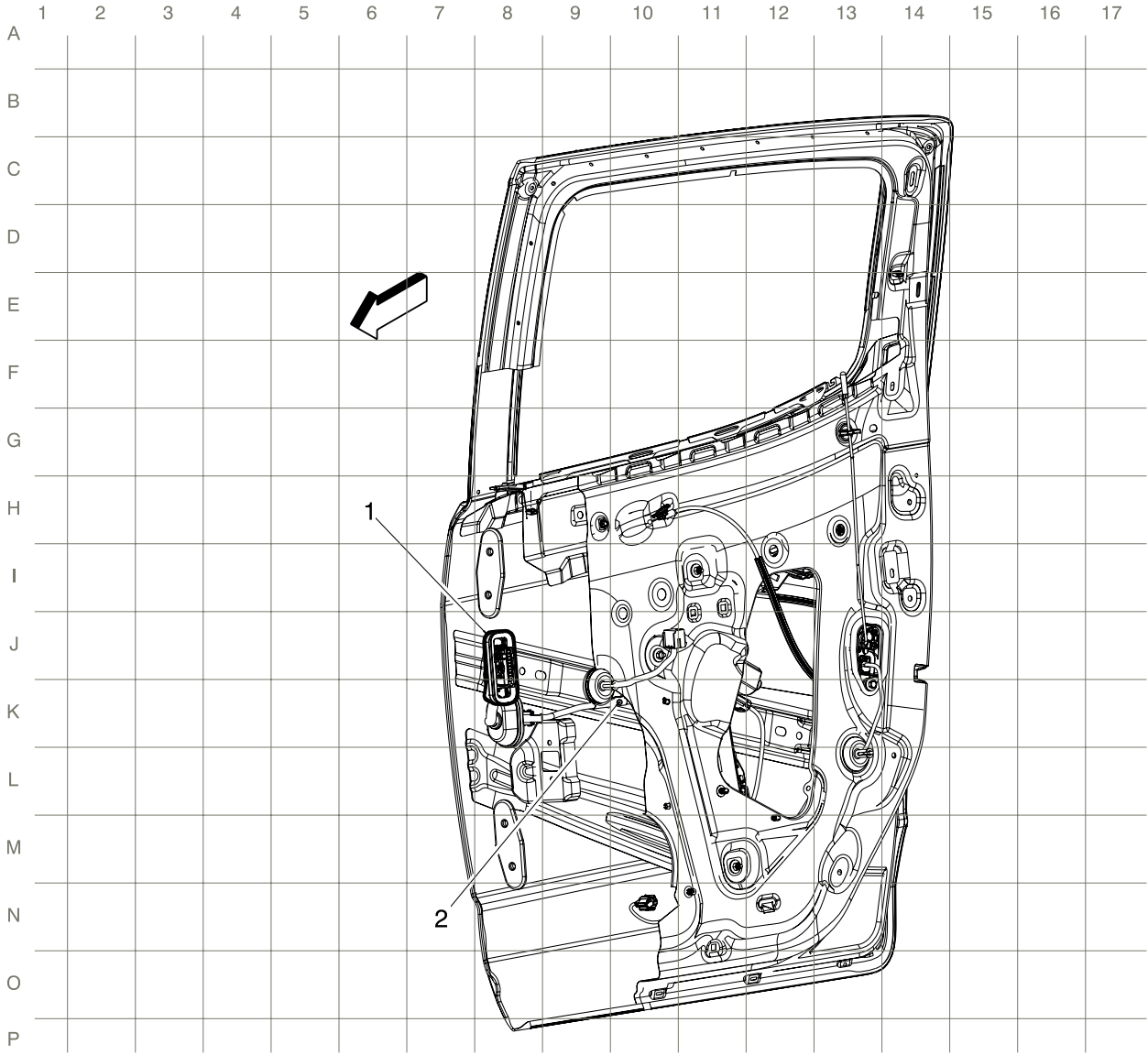
Left Rear Door Harness Routing (Crew Cab)



Items

- 1. X700
- 2. J701

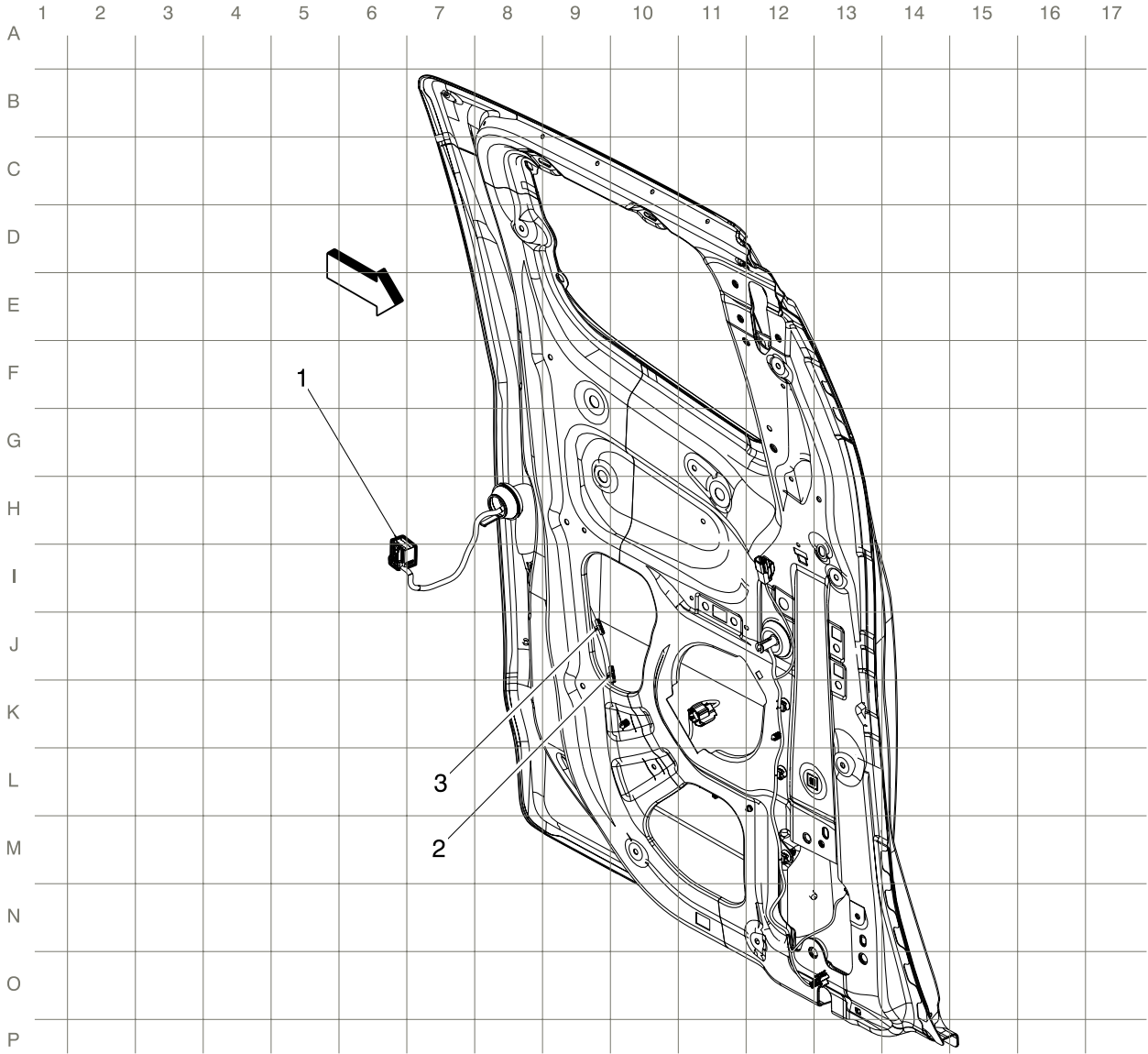
Right Rear Door Harness Routing (Crew Cab)



Items

- 1. X800
- 2. J801

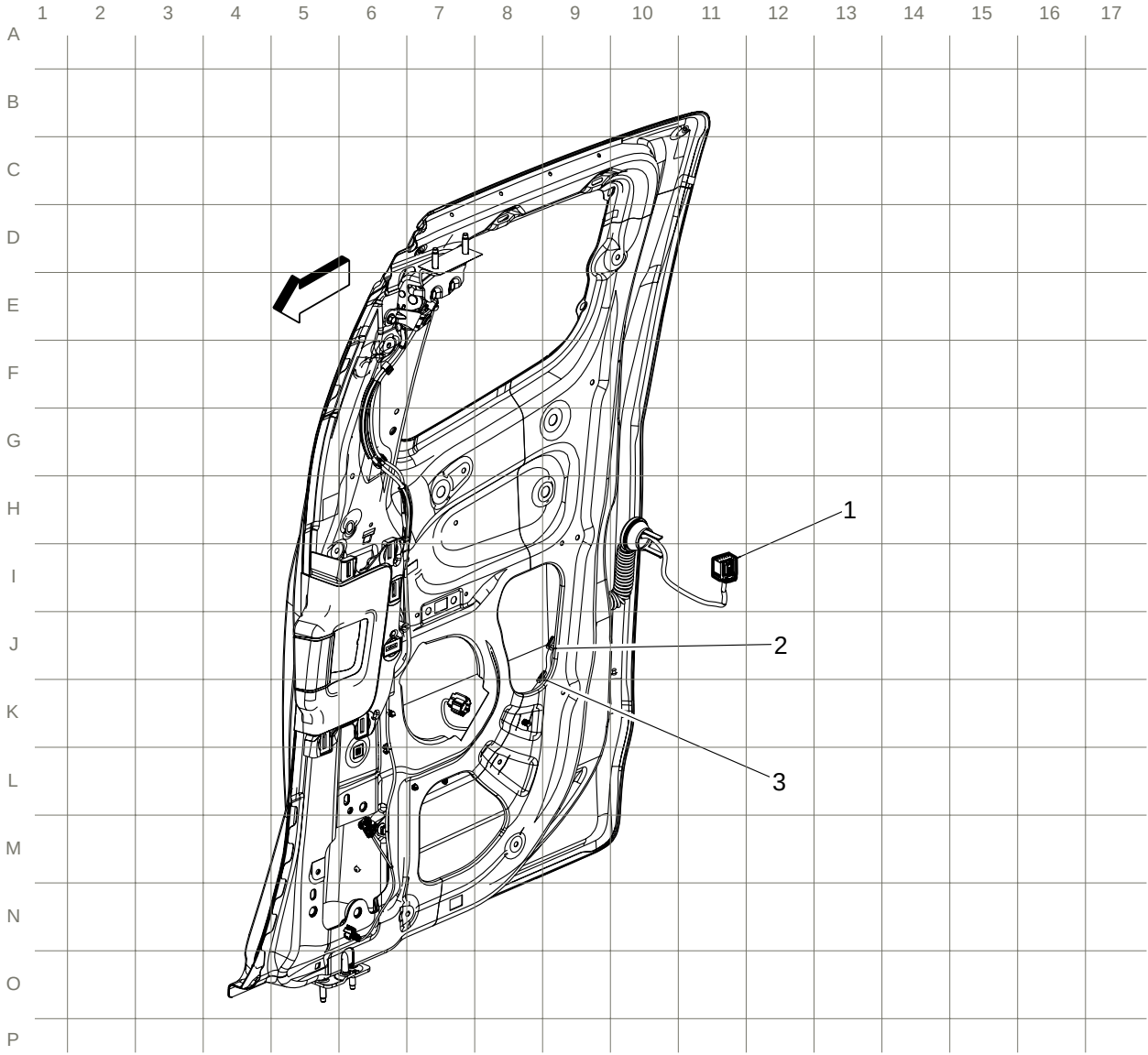
Left Rear Door Harness Routing (Extended Cab)



Items

- 1. X700
- 2. J701
- 3. J700 (53)

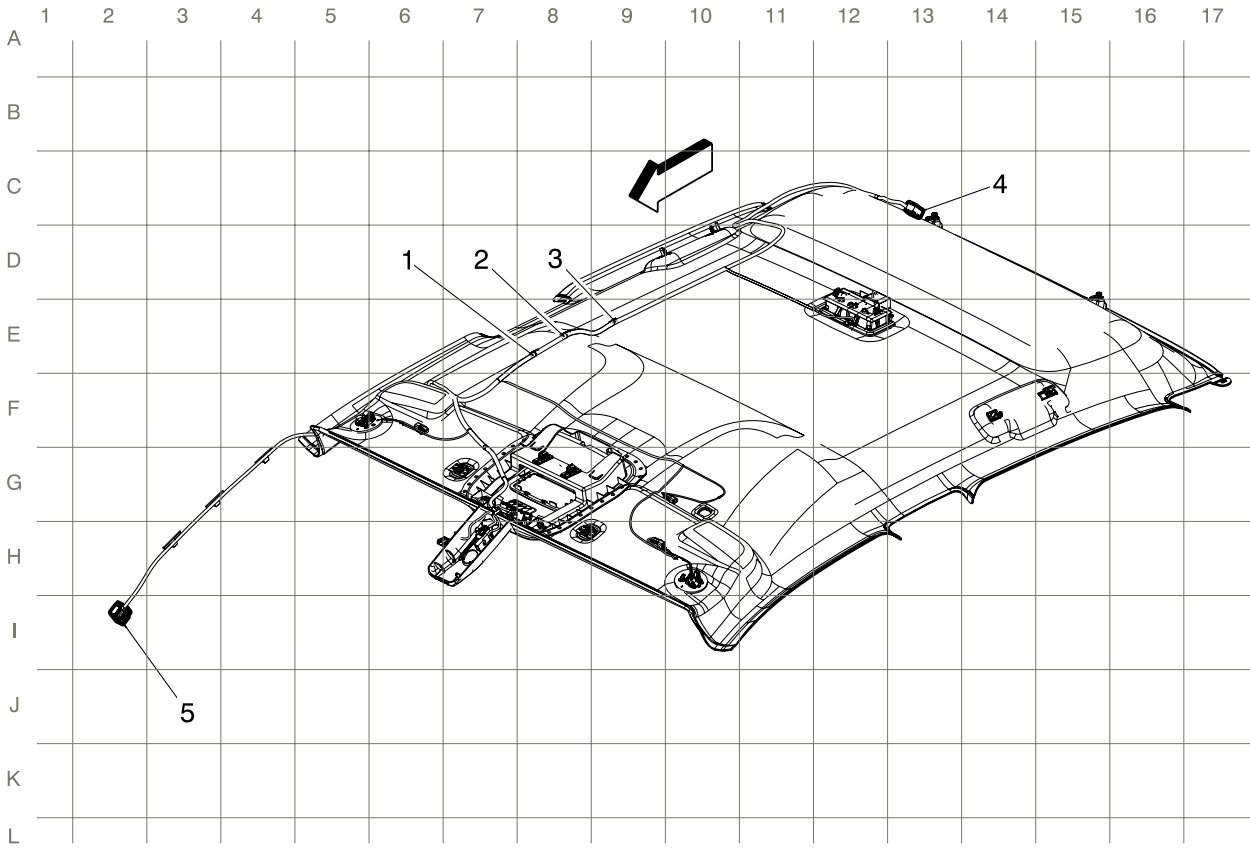
Right Rear Door Harness Routing (Extended Cab)



Items

- 1. X800
- 2. J800 (53)
- 3. J801

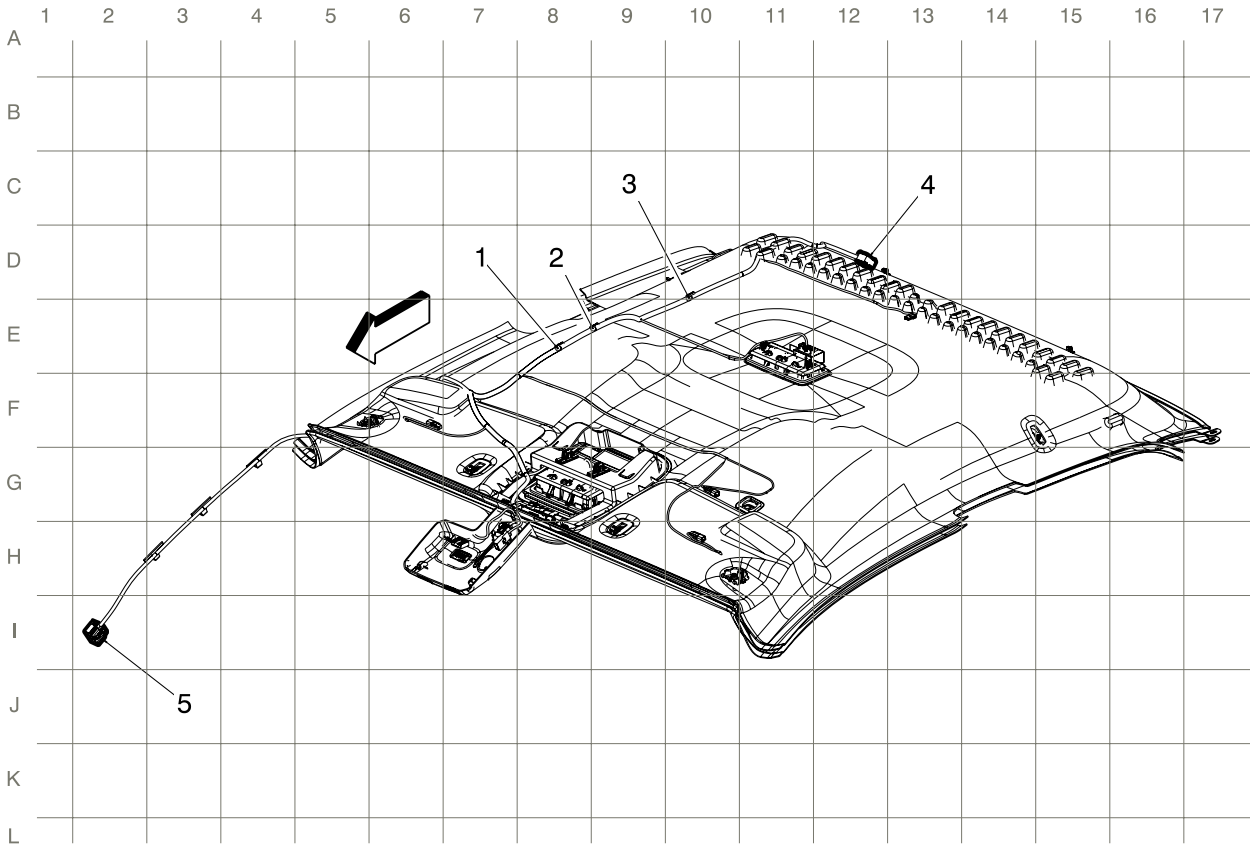
Headliner Harness Routing (Crew Cab)



Items

- 1. J307
- 2. J306
- 3. J308
- 4. X301
- 5. X300

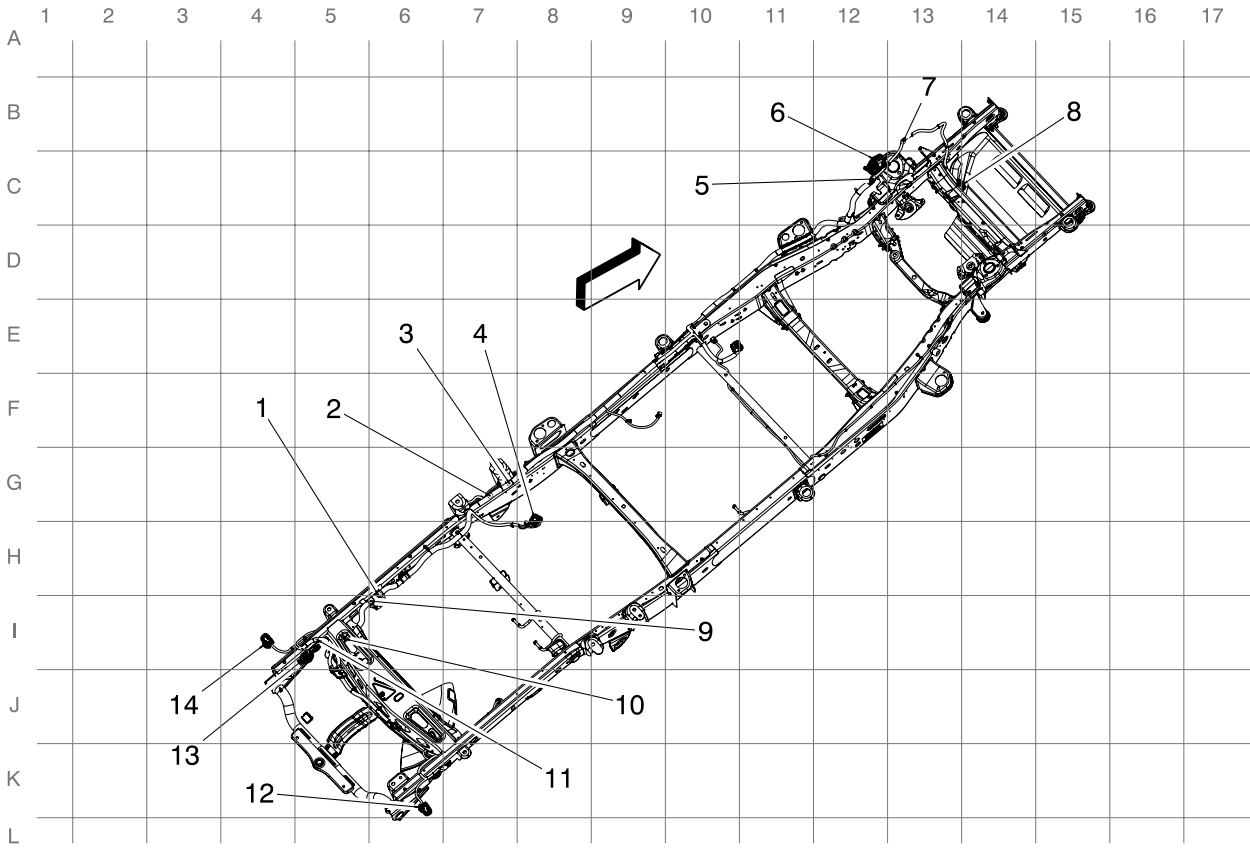
Headliner Harness Routing (Extended Cab)



Items

- 1. J307
- 2. J306
- 3. J308
- 4. X301
- 5. X300

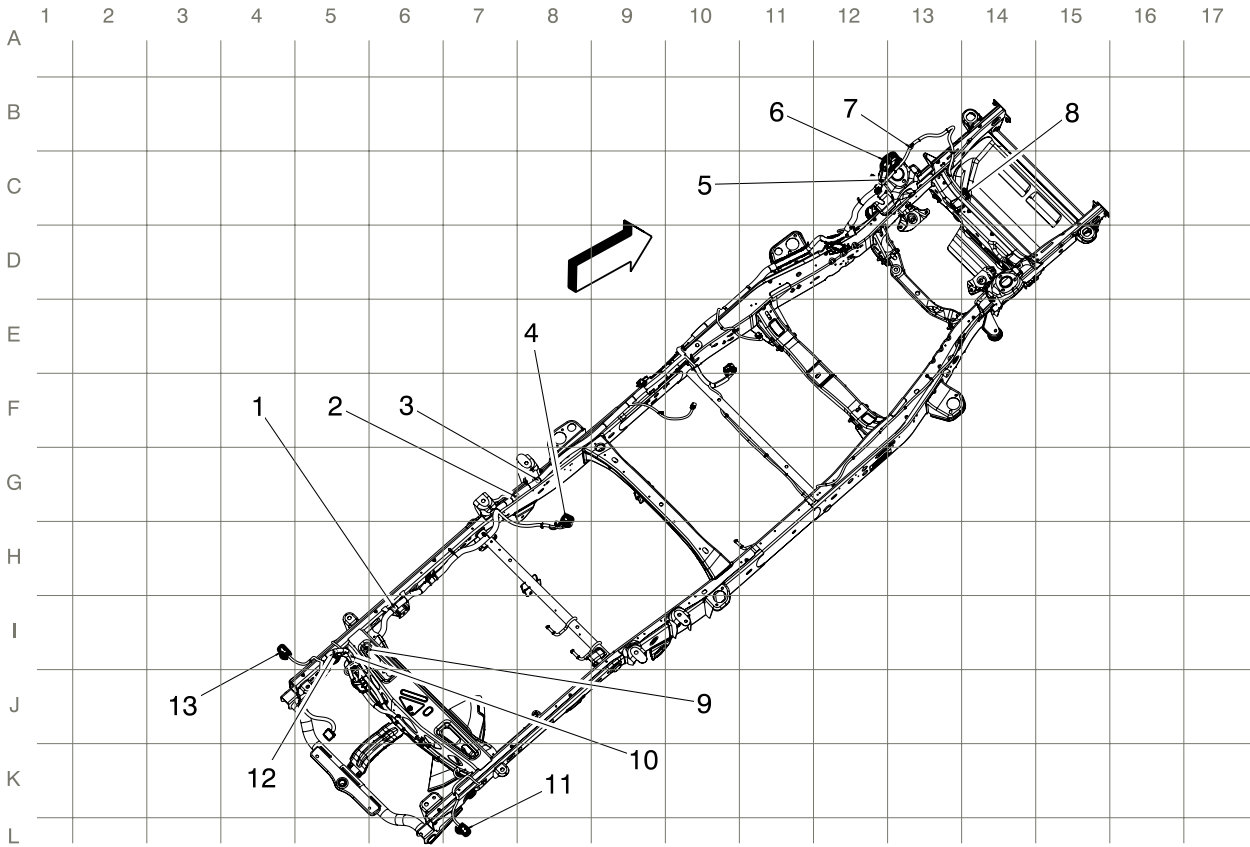
Chassis Harness Routing (Crew Cab)



Items

- 1. J403
- 2. J404
- 3. J405
- 4. X401
- 5. J105
- 6. X106
- 7. J104
- 8. X103
- 9. J401
- 10. J400
- 11. J402
- 12. X420
- 13. X400
- 14. X410

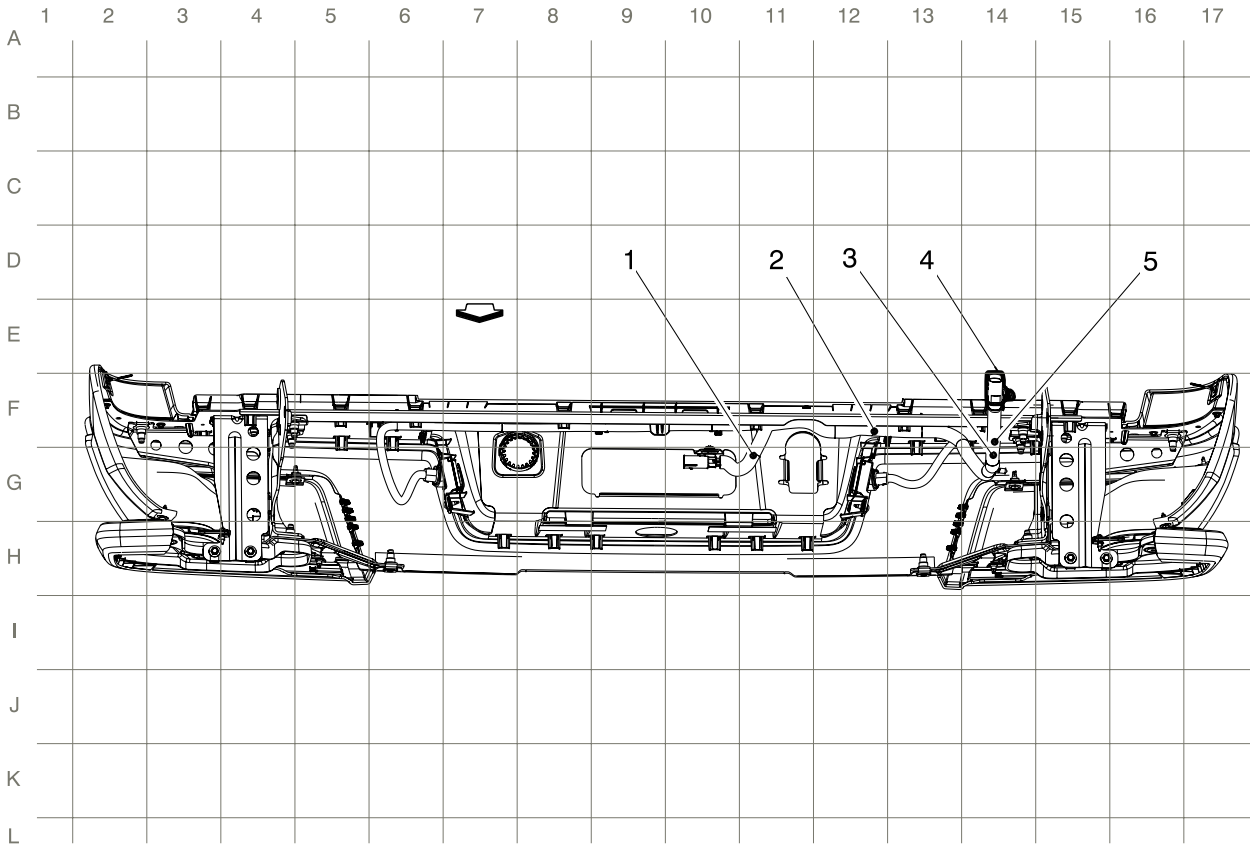
Chassis Harness Routing (Extended Cab)



Items

- 1. J403
- 2. J404
- 3. J405
- 4. X401
- 5. J104
- 6. X106
- 7. J105
- 8. X103
- 9. J401
- 10. J402
- 11. X420
- 12. J400
- 13. X410

Rear License Plate Harness Routing

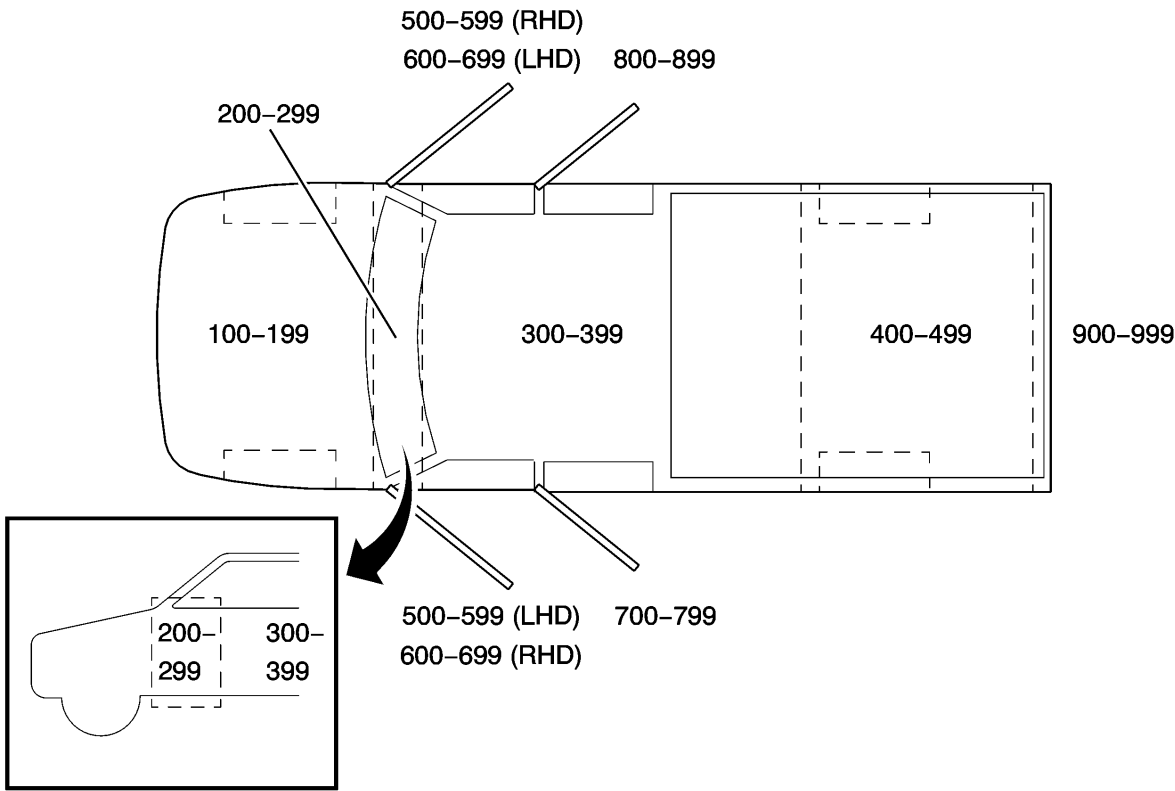


Items

- 1. J409
- 2. J408
- 3. J407
- 4. X400
- 5. J406

Vehicle Zoning Strategy

All grounds, in-line connectors, and splices have identifying numbers that correspond to where they are located in the vehicle. The following table explains the numbering system.



Vehicle Zoning Strategy

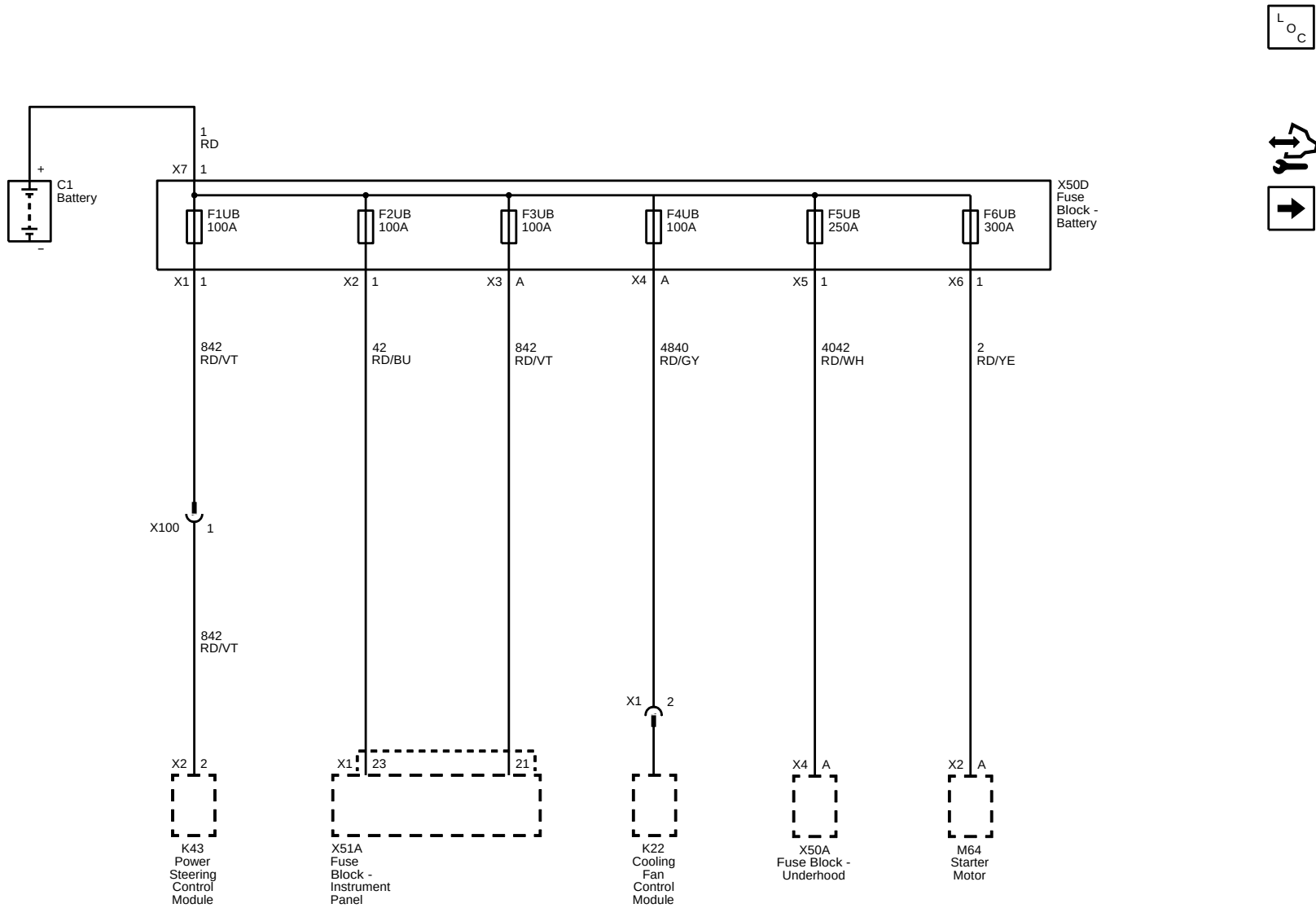
Callout Numbers	Zone Description
100-199	Engine compartment (all forward of the instrument panel)
200-299	Within the instrument panel area (between the bulkhead and the front plane of the instrument panel)
300-399	Passenger compartment (from the instrument panel to the rear of the cab)
400-499	Truck bed/chassis (from the rear of the cab to the rear of the vehicle)
500-599	Inline harness connectors to or within the driver door
600-699	Inline harness connectors to or within the front passenger door
700-799	Inline harness connectors to or within the left rear door
800-899	Inline harness connectors to or within the right rear door
900-999	Inline harness connectors to or within the endgate

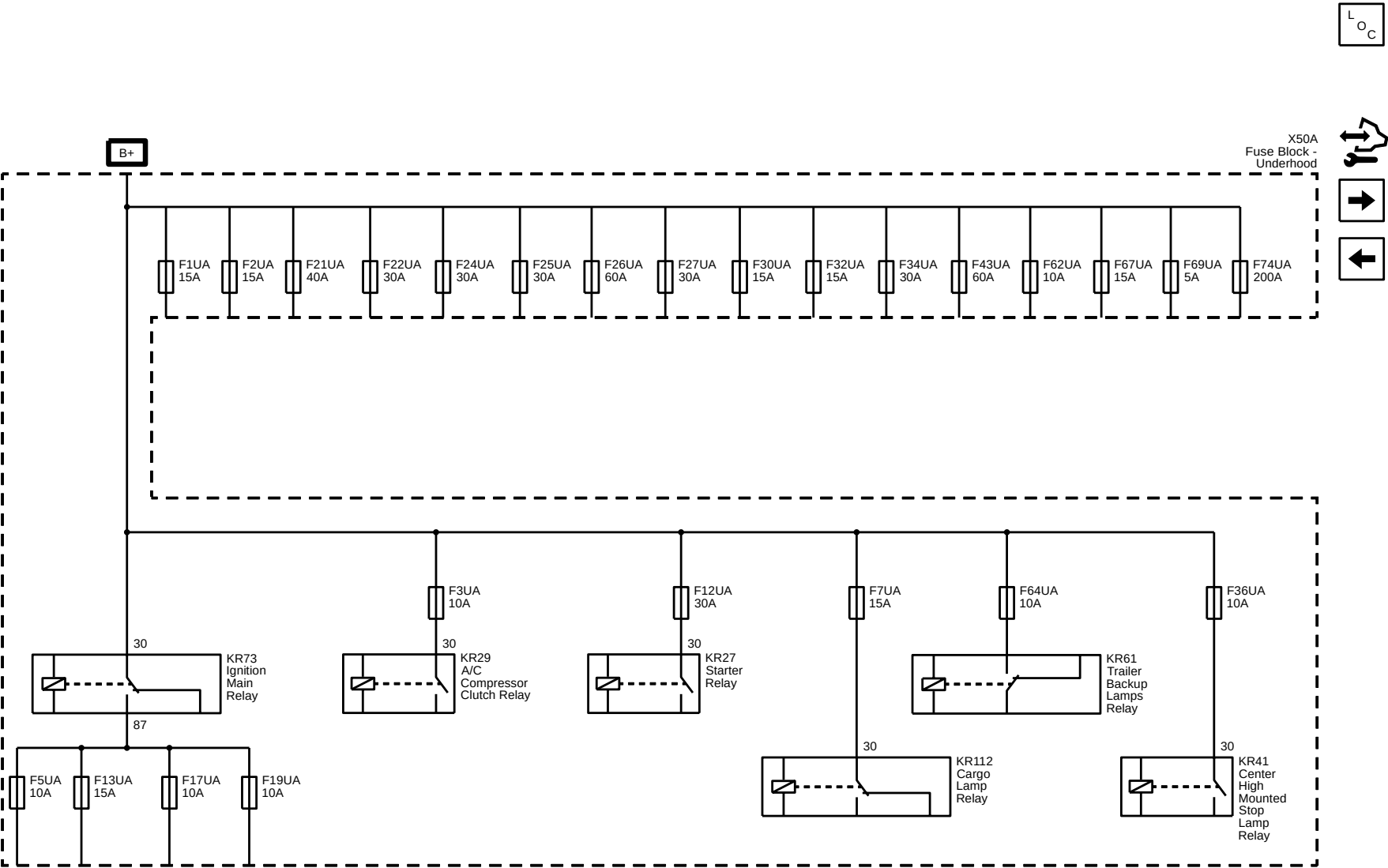
Schematics RPO Code List

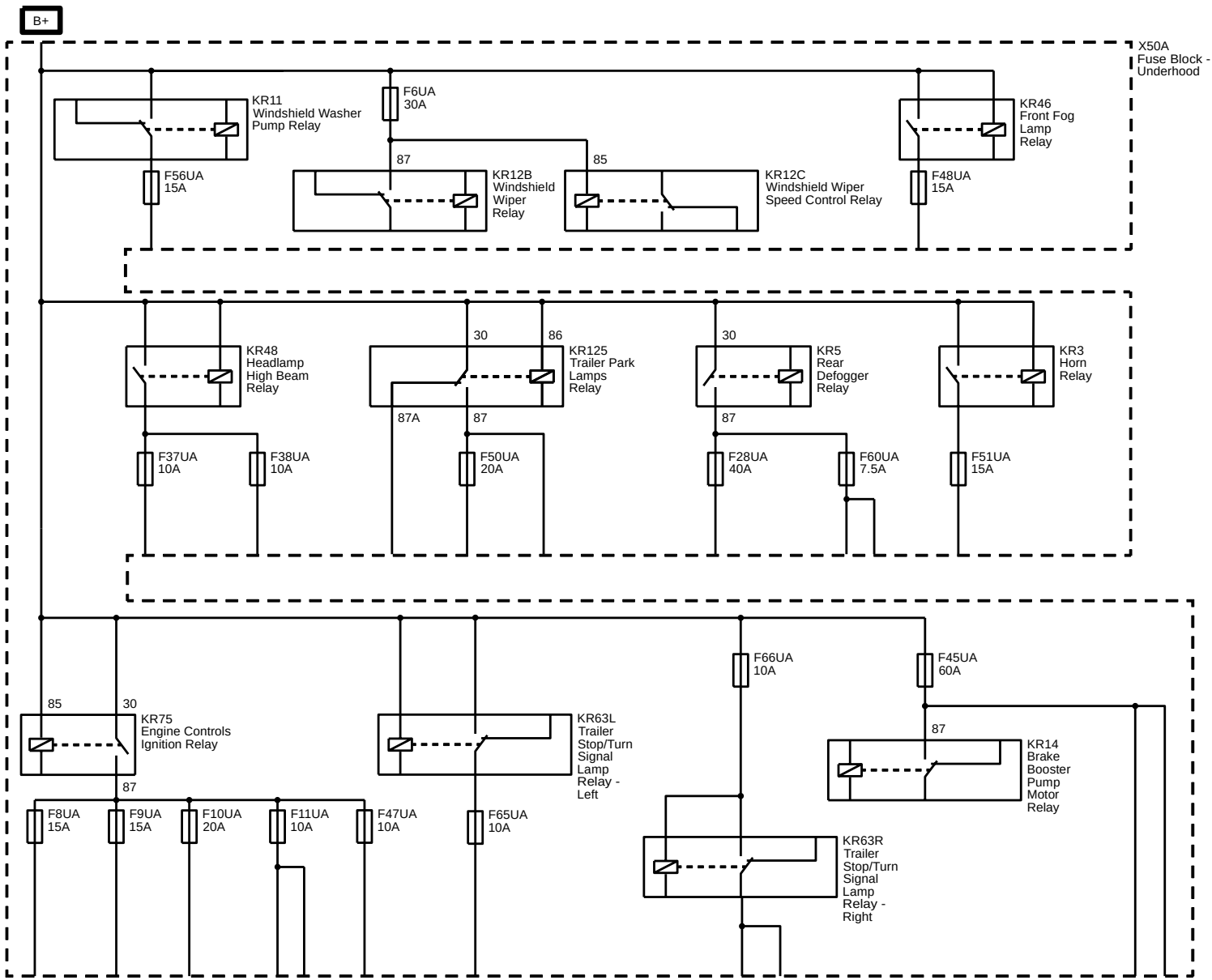
RPO	Option Name	Country Group
43	CREW CAB	U.S.A., PR and USVI (MAH), Canada (MBC)
53	EXTENDED CAB	U.S.A., PR and USVI (MAH), Canada (MBC)
AAQ	ADJUSTER PASS ST-POWER, 4 WAY	U.S.A., PR and USVI (MAH), Canada (MBC)
AH6	ADJUSTER FRT ST-SEAT, POWER, 4 WAY, VERT	U.S.A., PR and USVI (MAH), Canada (MBC)
AL0	SENSOR INDICATOR INFLATABLE RESTRAINT, FRT PASS/CHILD PRESENCE DETECTOR	U.S.A., PR and USVI (MAH), Canada (MBC)
AL9	LUMBAR DRIVER-SEAT, POWER, 2 WAY	U.S.A., PR and USVI (MAH), Canada (MBC)
AT9	LUMBAR PASSENGER-SEAT, POWER, 2 WAY	U.S.A., PR and USVI (MAH), Canada (MBC)
ATG	LOCK CONTROL, ENTRY-REMOTE ENTRY, STANDARD RANGE	U.S.A., PR and USVI (MAH), Canada (MBC)
AXG	WINDOW REG DRVR DR-POWER OPERATED, EXPRESS UP/DOWN	U.S.A., PR and USVI (MAH), Canada (MBC)
C49	DEFOGGER-RR WINDOW, ELECTRIC	U.S.A., PR and USVI (MAH), Canada (MBC)
C74	LAMP-INTR, ROOF, DUAL READING	U.S.A., PR and USVI (MAH), Canada (MBC)
D6I	MIRROR I/S FRT VAN SUNSHADE, DRIVER, W/MIRROR, COVER, HOLDER, ILLUM PASS, W/MIRROR, COVER, ILLUM	U.S.A., PR and USVI (MAH), Canada (MBC)
DD8	MIRROR I/S R/V-LT SENSITIVE	U.S.A., PR and USVI (MAH), Canada (MBC)
DL6	MIRROR O/S-LH and RH, REMOTE CONTROL, ELECTRIC, MANUAL FOLDING, COLOR	U.S.A., PR and USVI (MAH), Canada (MBC)
DL9	MIRROR O/S-LH and RH, REMOTE CONTROL, ELECTRIC, HEATED, CHROME	U.S.A., PR and USVI (MAH), Canada (MBC)
IO3	RADIO-INFOTAINMENT SYSTEM - BASE HMI	U.S.A. and Canada (MBC)
IO4	RADIO-INFOTAINMENT SYSTEM - BASE HMI, ENHANCED CONNECTIVITY	U.S.A., PR and USVI (MAH), Canada (MBC)
IO5	RADIO-INFOTAINMENT SYSTEM - UPLEVEL HMI, ENHANCED CONNECTIVITY	U.S.A., PR and USVI (MAH), Canada (MBC)
IO6	RADIO-INFOTAINMENT SYSTEM - UPLEVEL HMI, ENHANCED CONNECTIVITY, EMBEDDED NAVIGATION	U.S.A., PR and USVI (MAH), Canada (MBC)
K34	CRUISE CONTROL-AUTOMATIC, ELECTRONIC	U.S.A., PR and USVI (MAH), Canada (MBC)
KA1	HEATER SEAT FRT-DRVR and PASS	U.S.A., PR and USVI (MAH), Canada (MBC)
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM	U.S.A., PR and USVI (MAH), Canada (MBC)
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM	U.S.A., PR and USVI (MAH), Canada (MBC)
MYB	TRANSMISSION-AUTO 6 SPD, 6L50	U.S.A., PR and USVI (MAH), Canada (MBC)
N8D	TRANSMISSION-MAN 6 SPD, 85MM, 4.45 1ST, 2.56 2ND, 1.53 3RD, 1.00 4TH, 0.87 5TH, 0.76 6TH	U.S.A., PR and USVI (MAH), Canada (MBC)
NQ6	TRANSFER CASE-2 SPD, ACTIVE, PART TIME 4WD, L/H DROP, LOW RATIO 2.72:1	U.S.A., PR and USVI (MAH), Canada (MBC)

NQ7	TRANSFER CASE-2 SPD, SWITCH ACTIVATED, PART TIME 4WD, L/H DROP, LOW RATIO 2.72:1	U.S.A., PR and USVI (MAH), Canada (MBC)
T3U	LAMP FRT FOG-FRT FOG	U.S.A., PR and USVI (MAH), Canada (MBC)
TCA	LAMP-DOME, CENTER	U.S.A., PR and USVI (MAH), Canada (MBC)
TG5	PLAYER-COMPACT DISC AND MP3	U.S.A., PR and USVI (MAH), Canada (MBC)
TR0	LAMP-INTR, ROOF, RR, COURTESY and DUAL READING	U.S.A., PR and USVI (MAH), Canada (MBC)
U2M	DIGITAL AUDIO SYSTEM-S-BAND AND HD	U.S.A., PR and USVI (MAH), Canada (MBC)
UDD	DISPLAY INSTRUMENT-DRIVER INFO ENHANCED (MULTI COLOR STANDARD GRAPHIC)	U.S.A., PR and USVI (MAH), Canada (MBC)
UE1	COMMUNICATION SYSTEM-VEHICLE, ONSTAR	U.S.A., PR and USVI (MAH), Canada (MBC)
UEU	SENSOR INDICATOR-FORWARD COLLISION ALERT	U.S.A., PR and USVI (MAH), Canada (MBC)
UFL	LANE ACTIVE SAFETY-DEPARTURE WARNING	U.S.A., PR and USVI (MAH), Canada (MBC)
UQA	SPEAKER SYSTEM-PREMIUM AUDIO BRANDED WITH AMPLIFIER	U.S.A., PR and USVI (MAH), Canada (MBC)
UVC	VISION-REAR VIEW, MONO	U.S.A., PR and USVI (MAH), Canada (MBC)
W1Y	CONTROL-STEERING WHEEL, RADIO, REDUNDANT CONTROLS	U.S.A., PR and USVI (MAH), Canada (MBC)
Z82	TRAILER PROVISIONS-SPECIAL EQUIPMENT, H.D.	U.S.A., PR and USVI (MAH), Canada (MBC)
Z88	MARKET BRAND-GMC	U.S.A., PR and USVI (MAH), Canada (MBC)

B+ Bus X50D Fuse Block - Battery



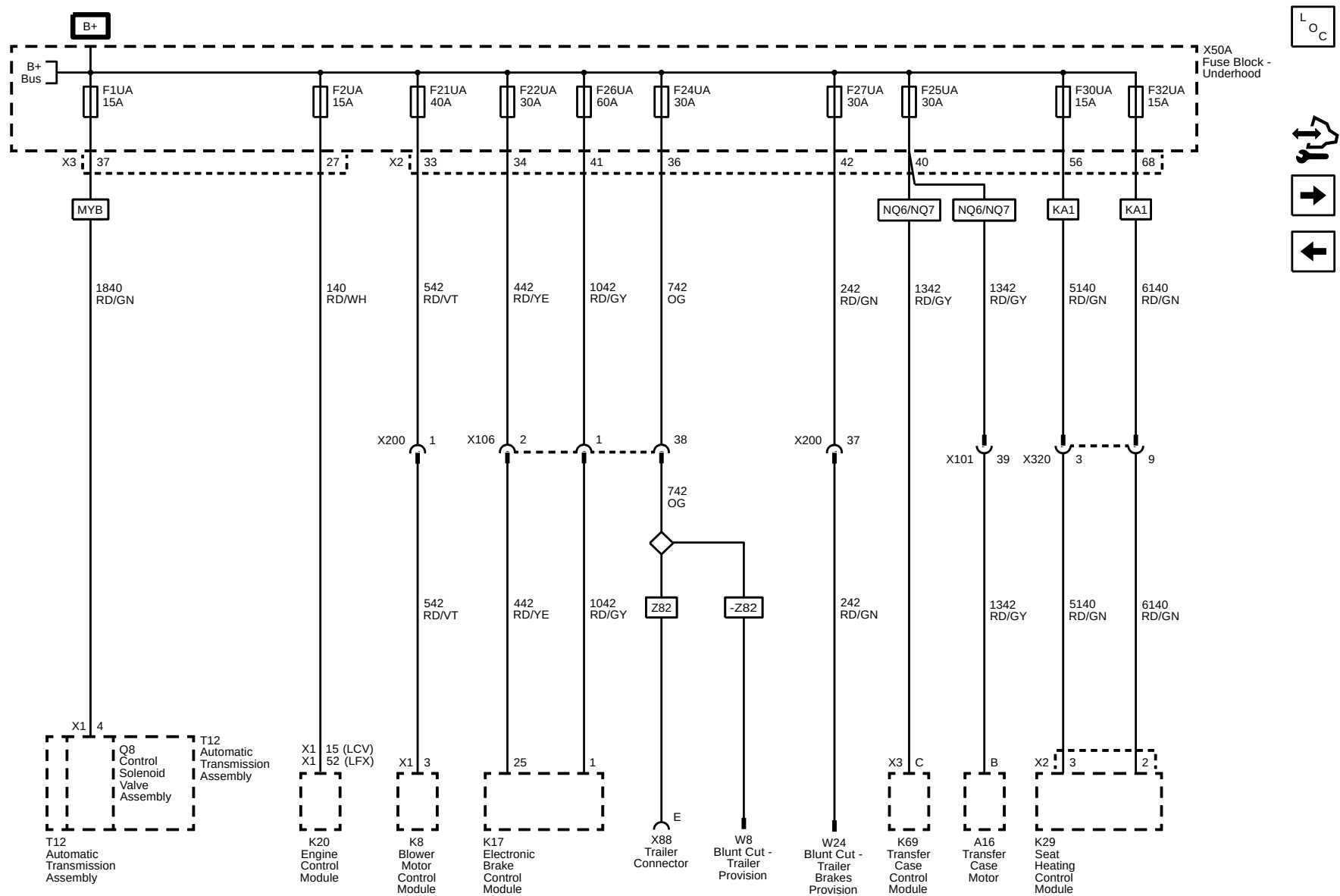




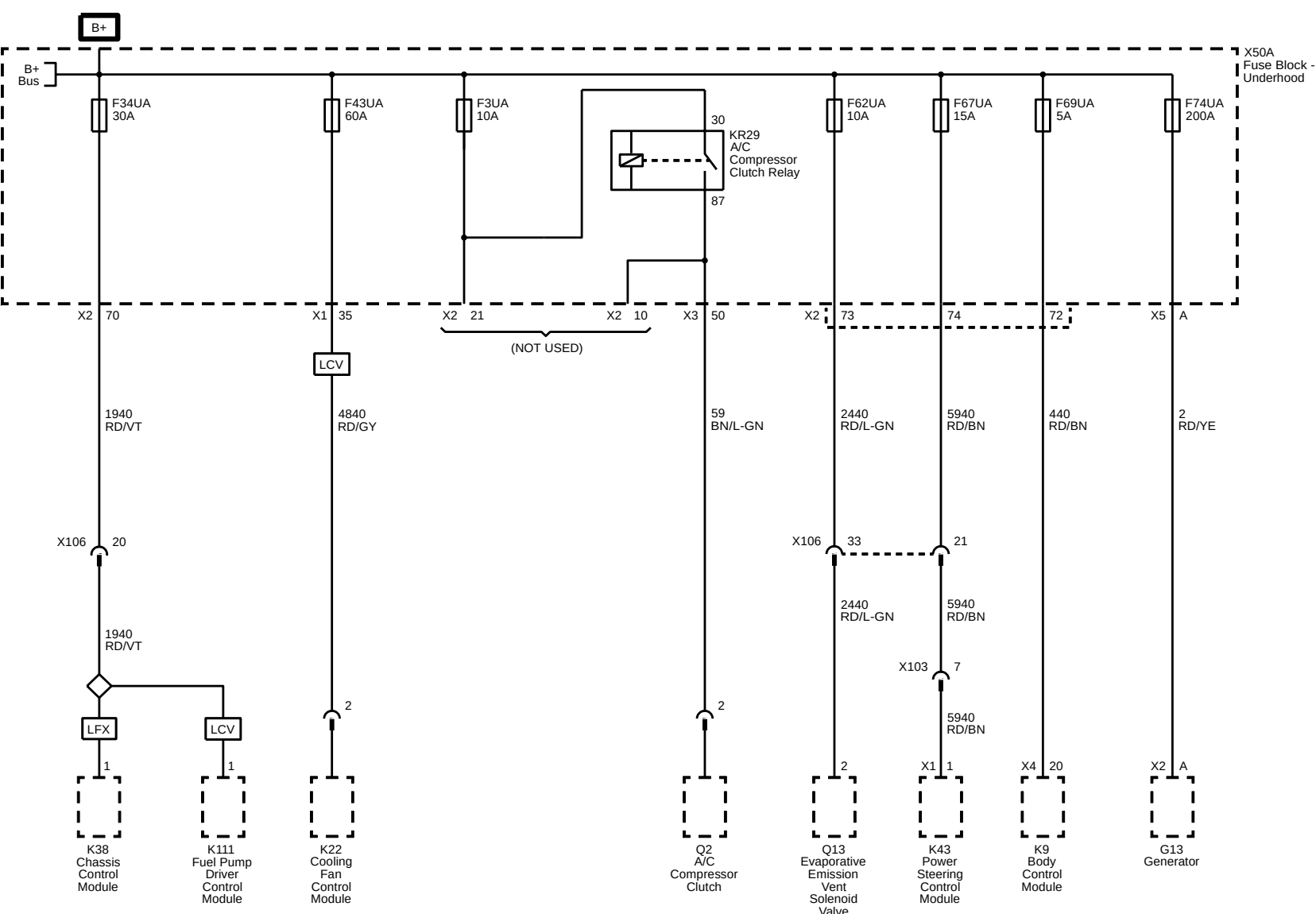
L
O
C



F1UA, F2UA, F21UA, F22UA, F24UA, F25UA, F26UA, F27UA, F30UA, and F32UA Fuses



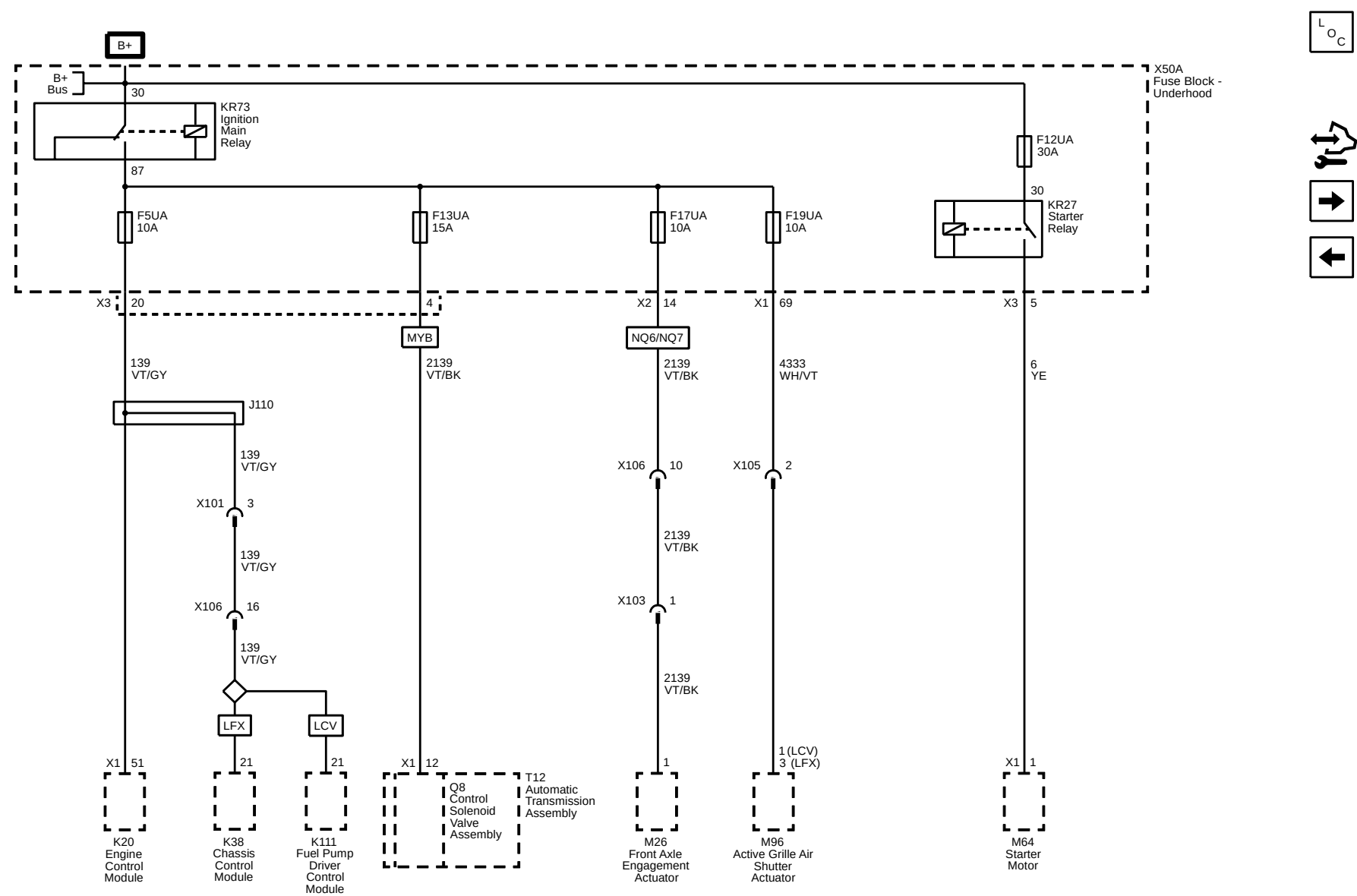
F3UA, F34UA, F43UA, F62UA, F67UA, F69UA, and F74UA Fuses



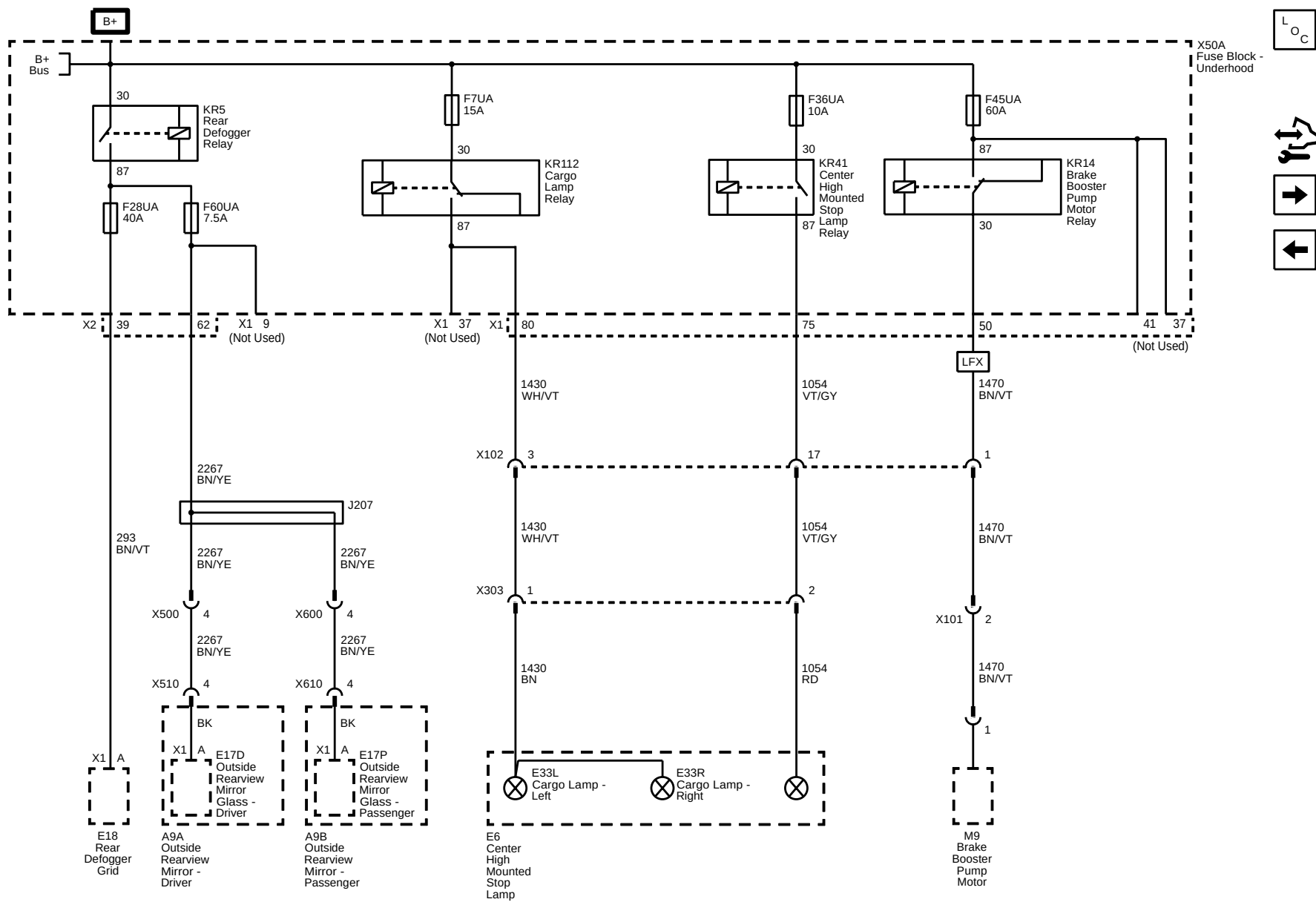
L O C



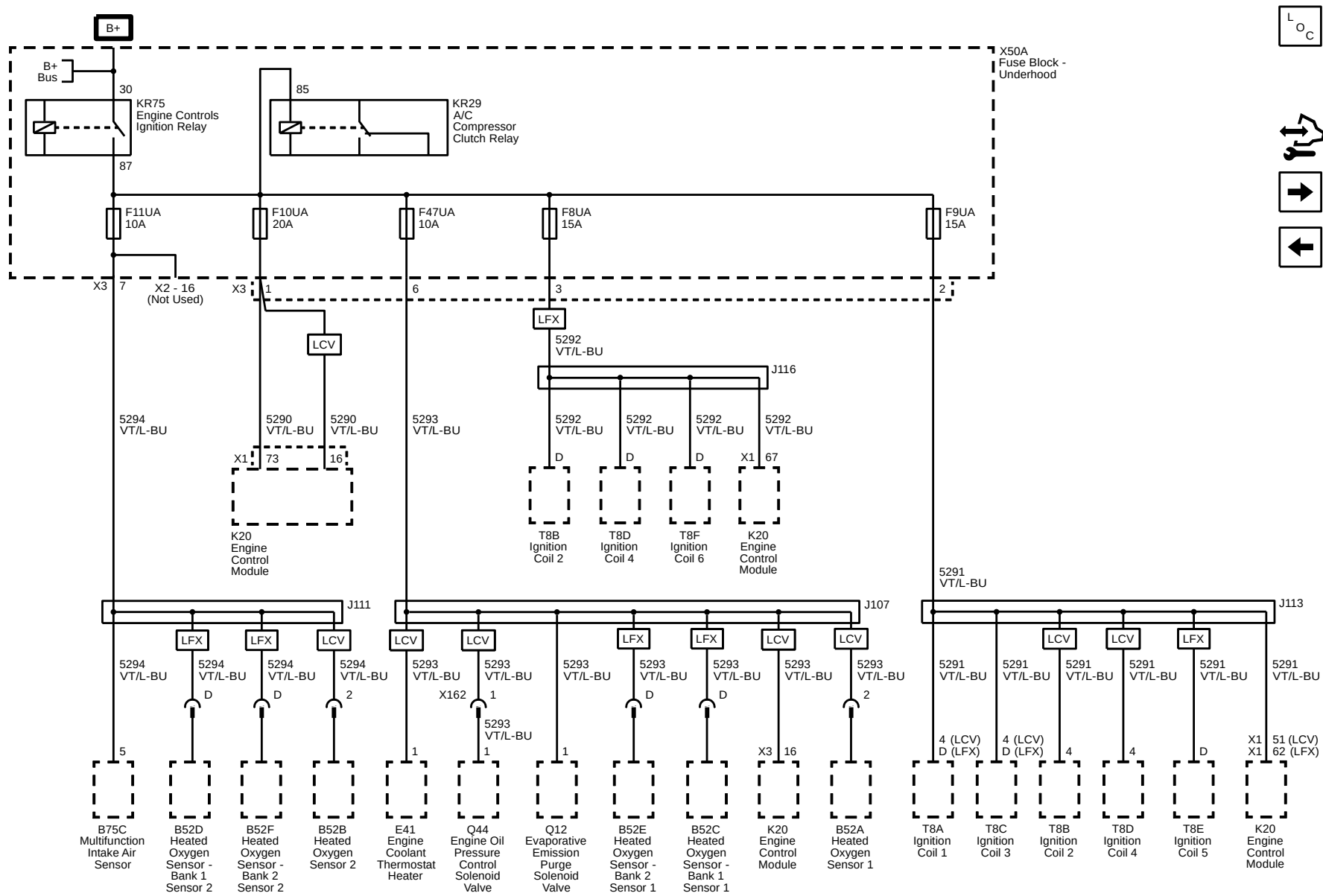
F5UA, F12UA, F13UA, F17UA, and F19UA Fuses

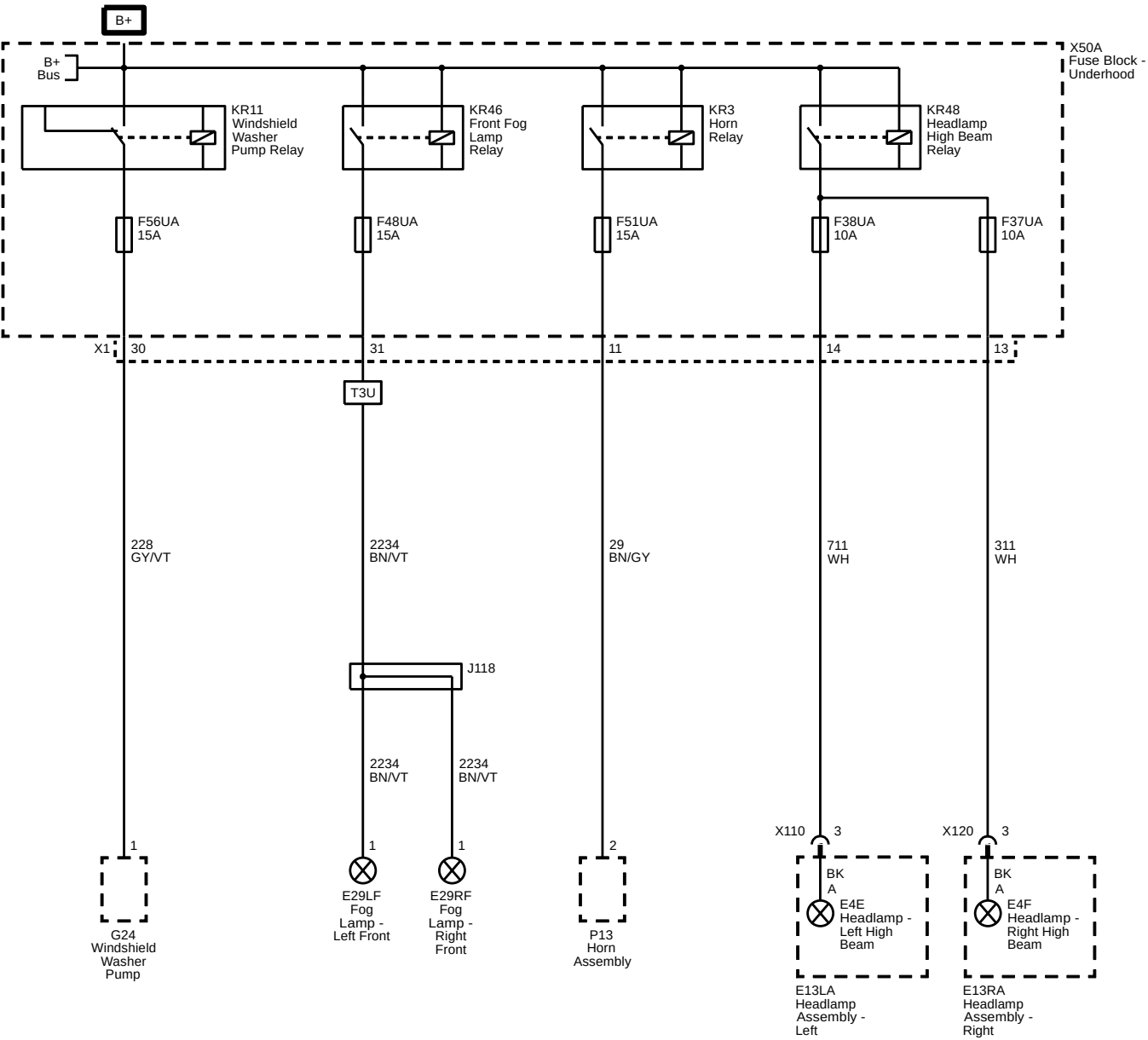


F7UA, F28UA, F36UA, F45UA, and F60UA Fuses



F8UA, F9UA, F10UA, F11UA, and F47UA Fuses

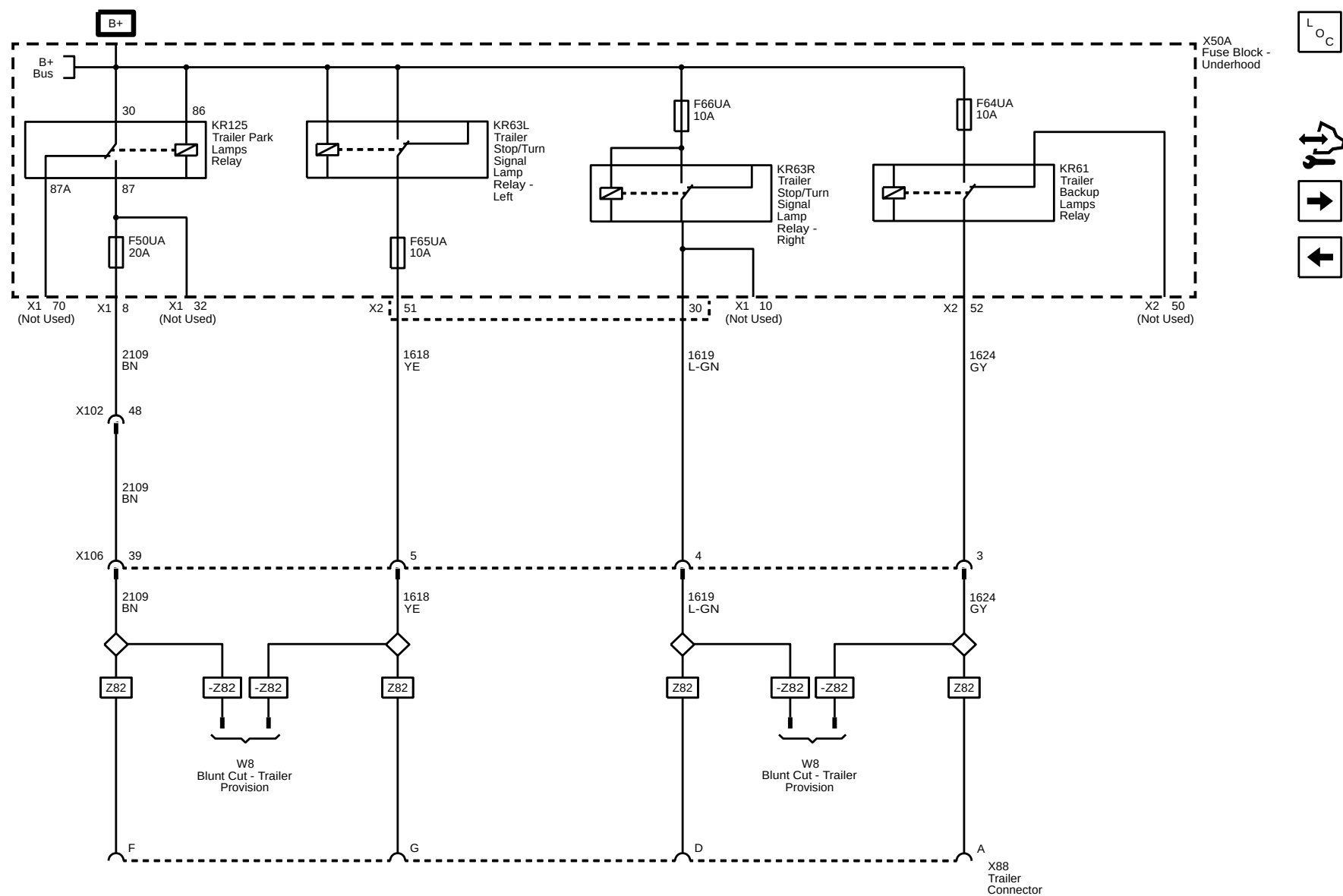




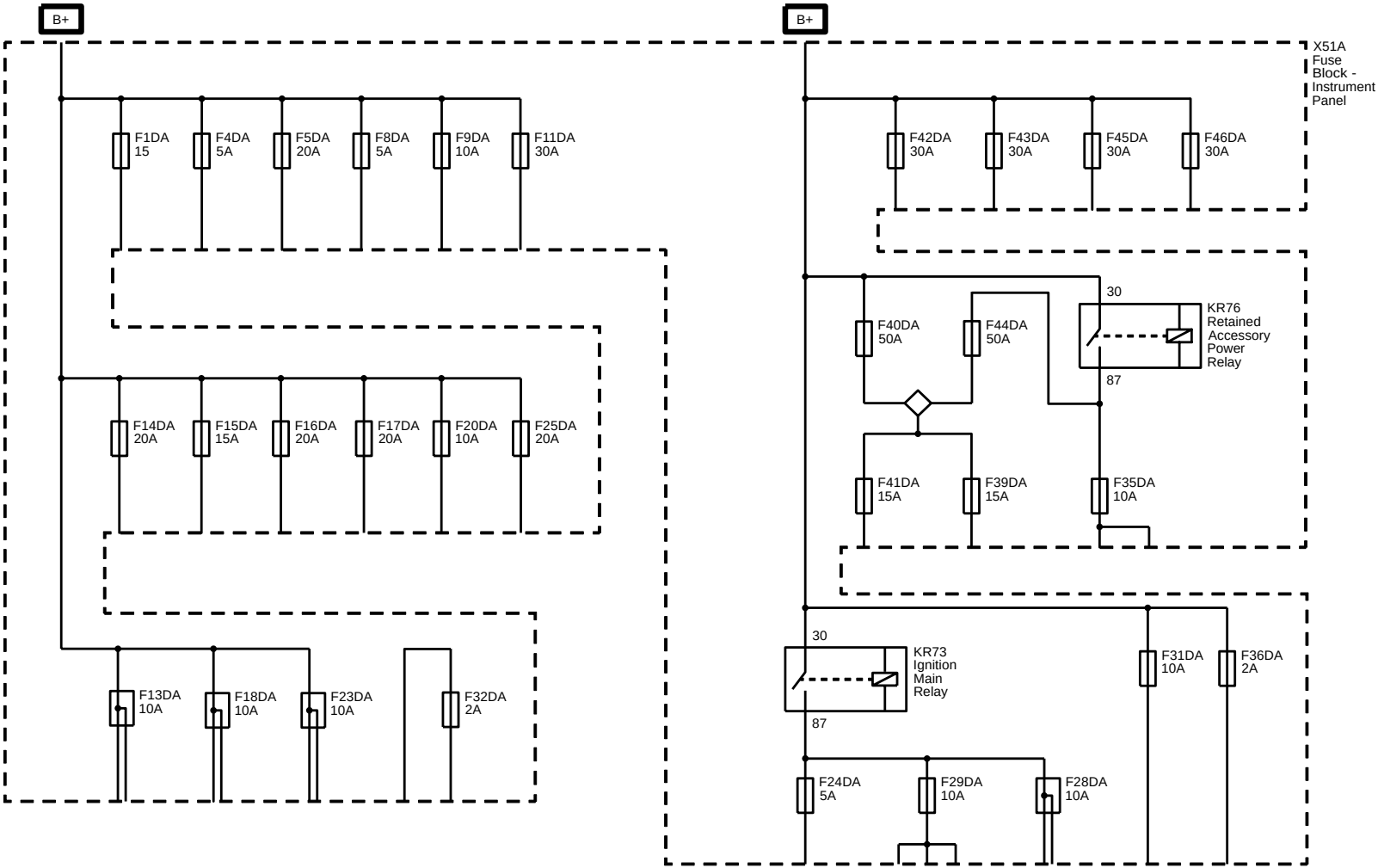
L
O
C



F50UA, F64UA, F65UA, and F66UA Fuses



X51A Fuse Block - Instrument Panel Bussing

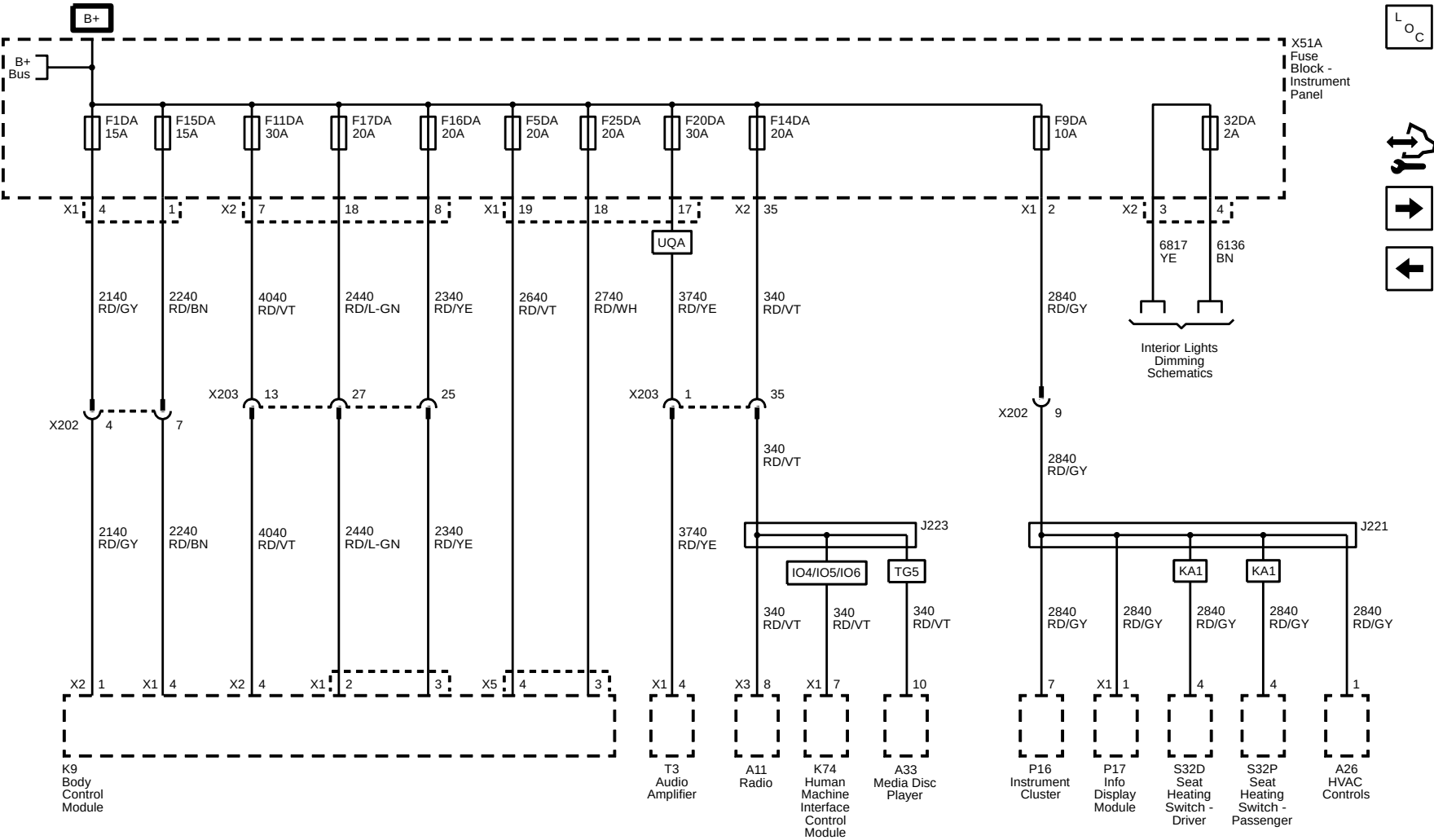


L
O
C

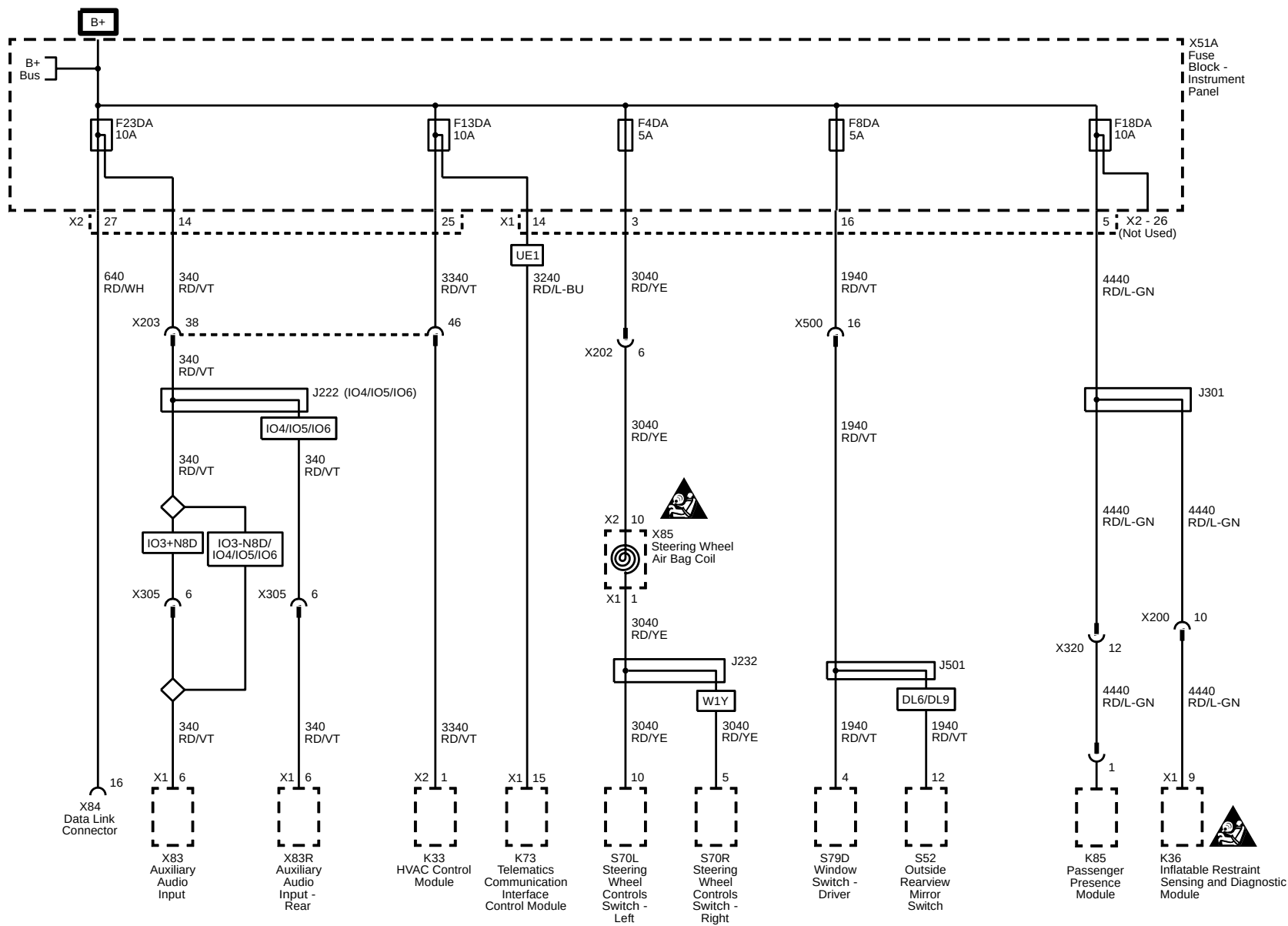
D
E
S
C



F1DA, F5DA, F9DA, F11DA, F14DA, F15DA, F16DA, F17DA, F20DA, F25DA, and F32DA Fuses

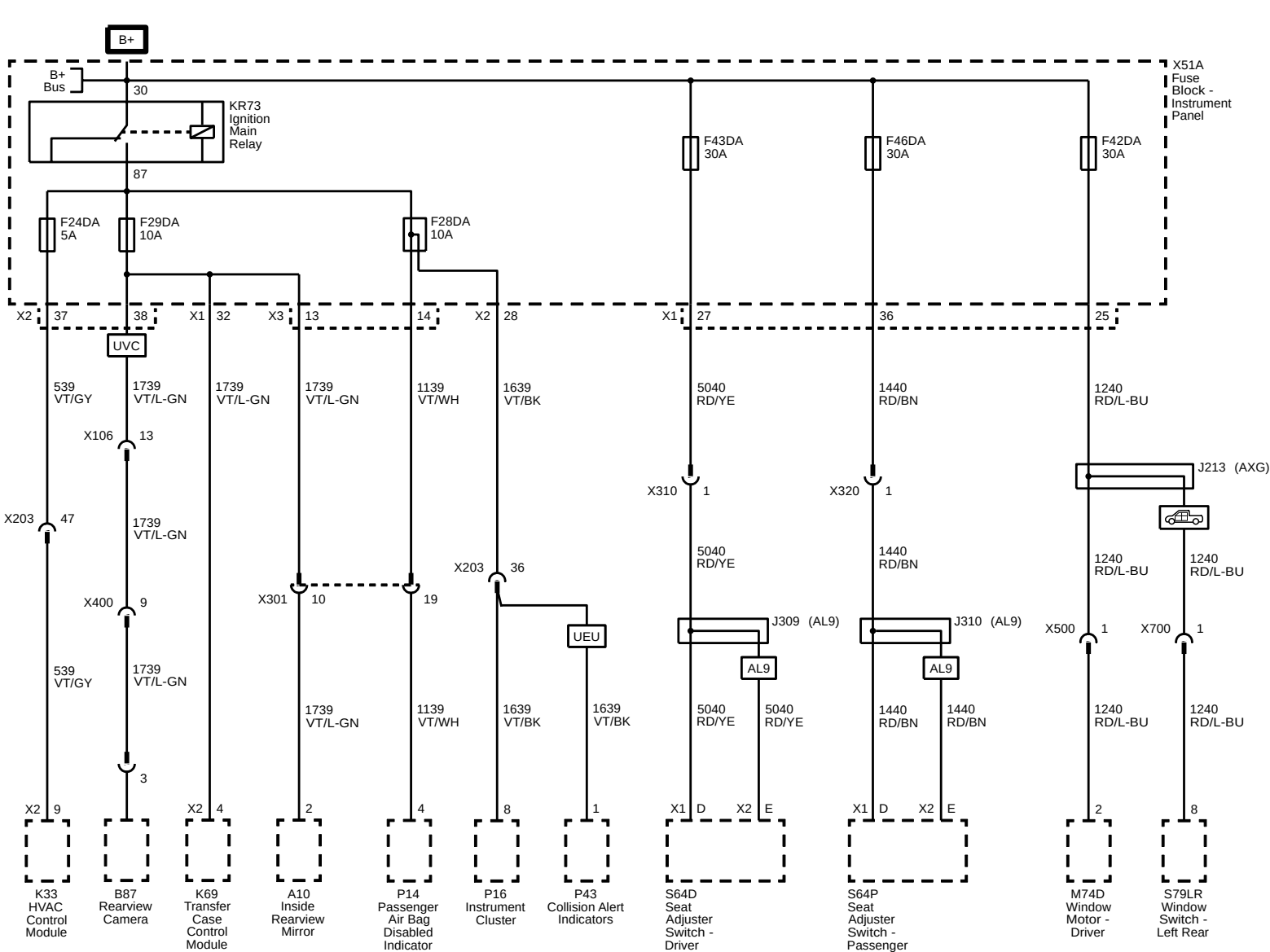


F4DA, F8DA, F13DA, F18DA, F23DA, and F32DA Fuses



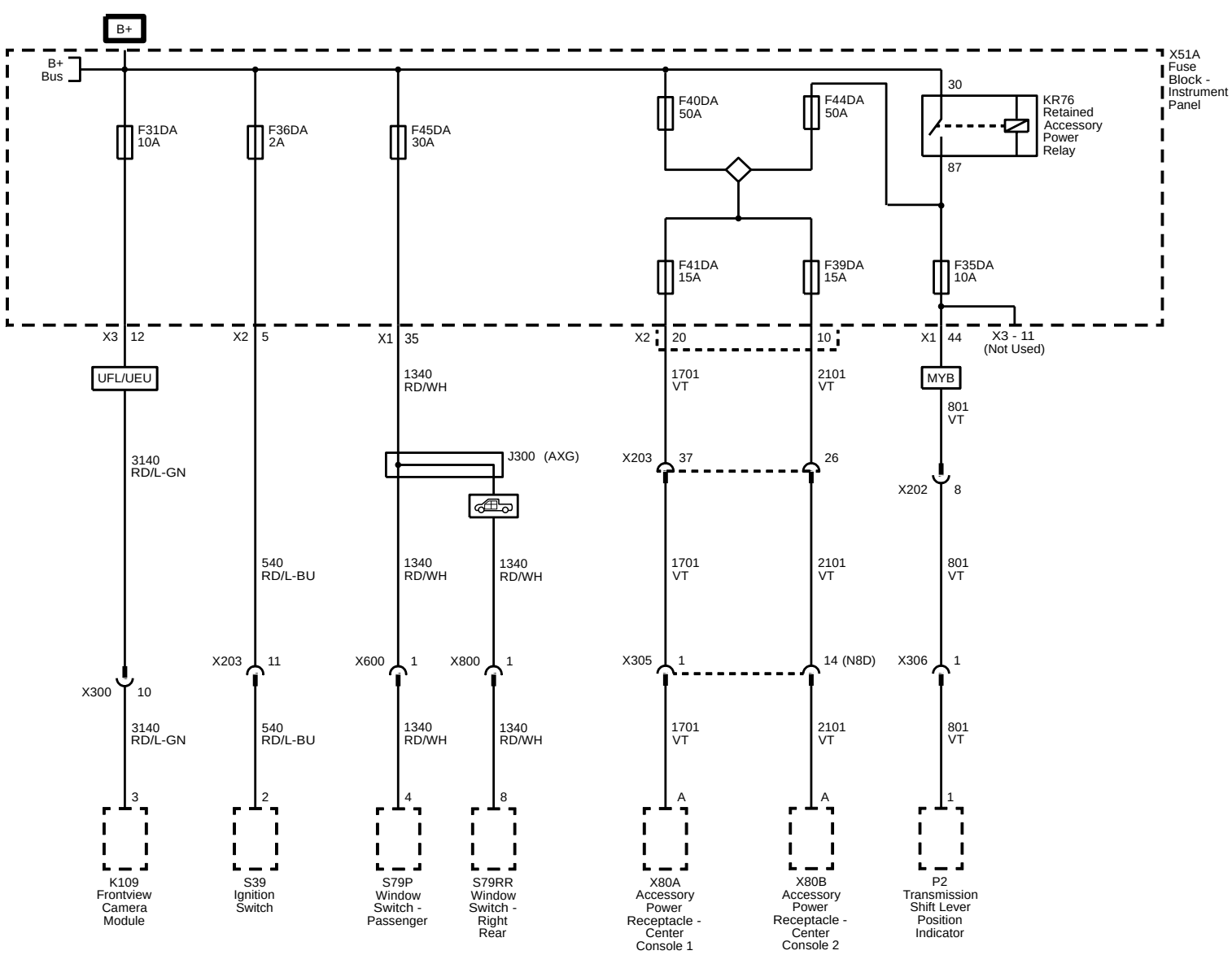
L O C



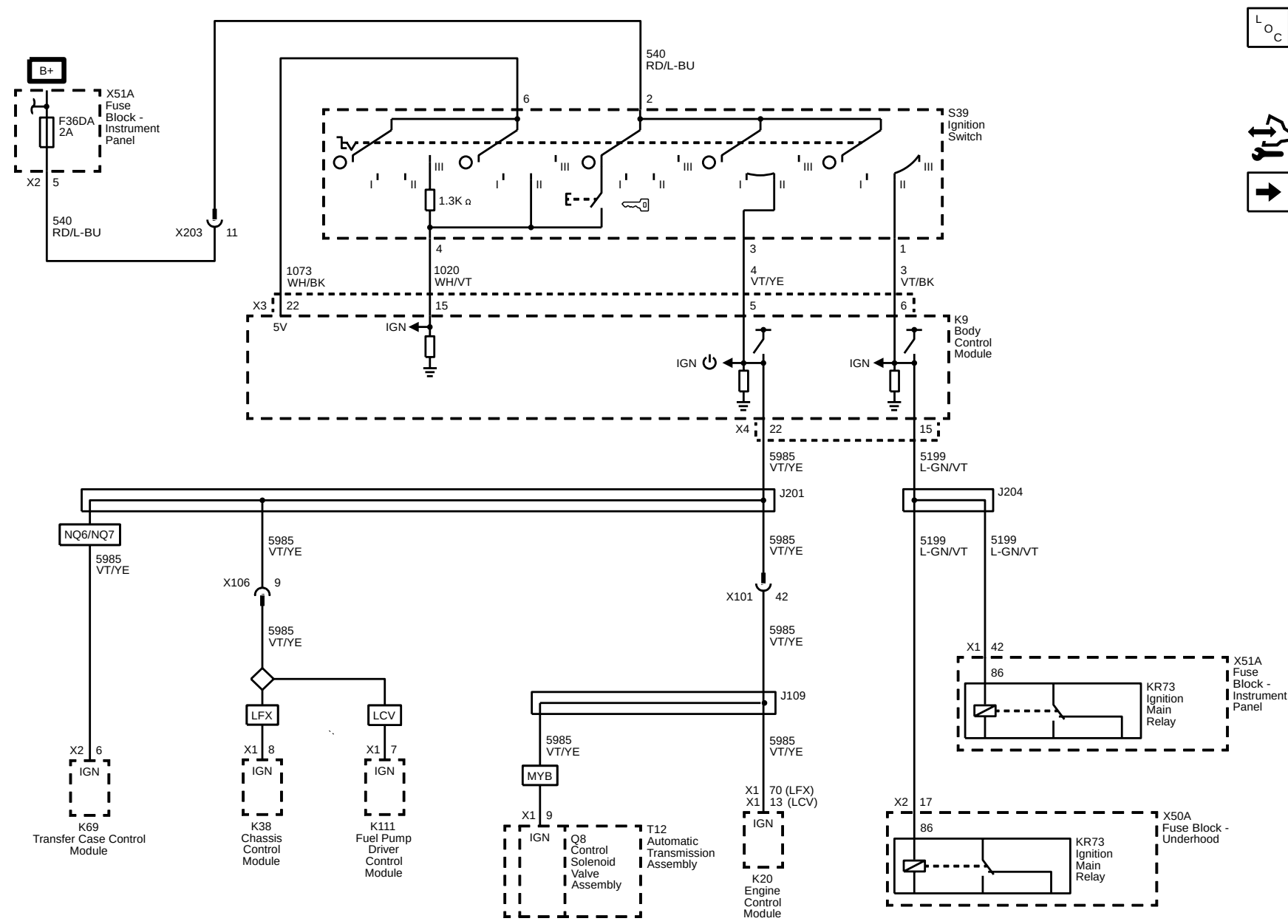


L
O
C





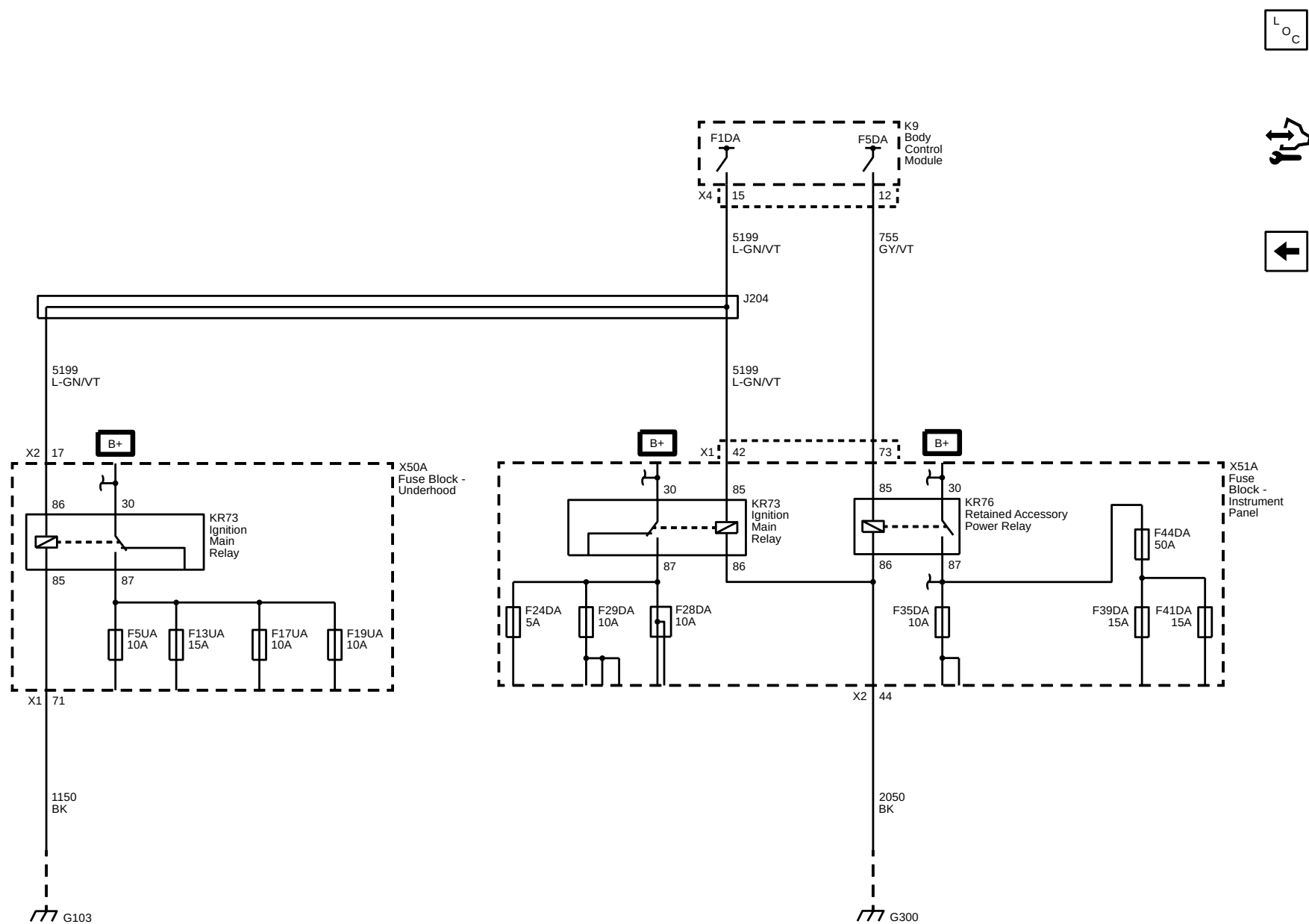
Ignition Switch



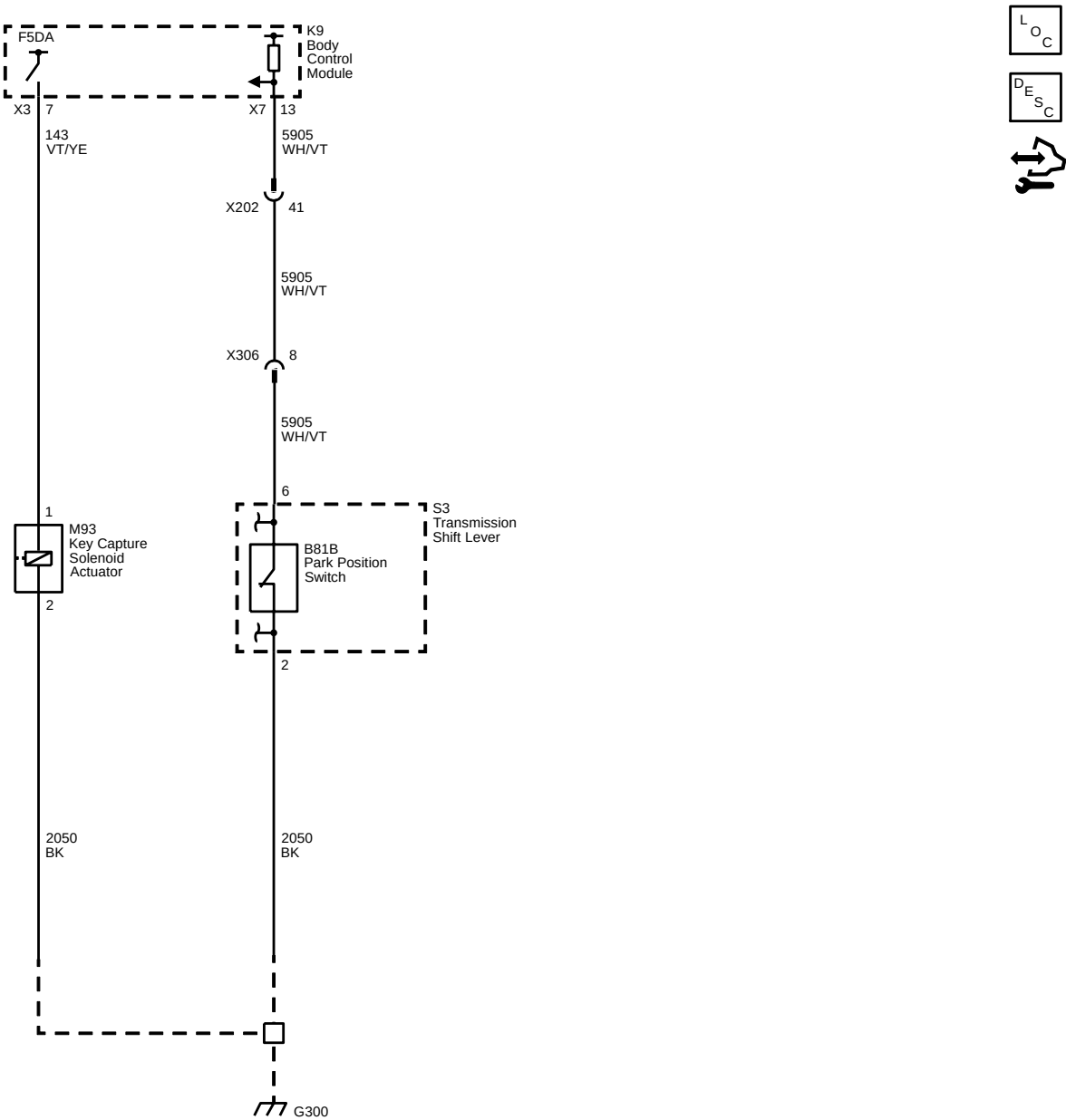
L
O
C



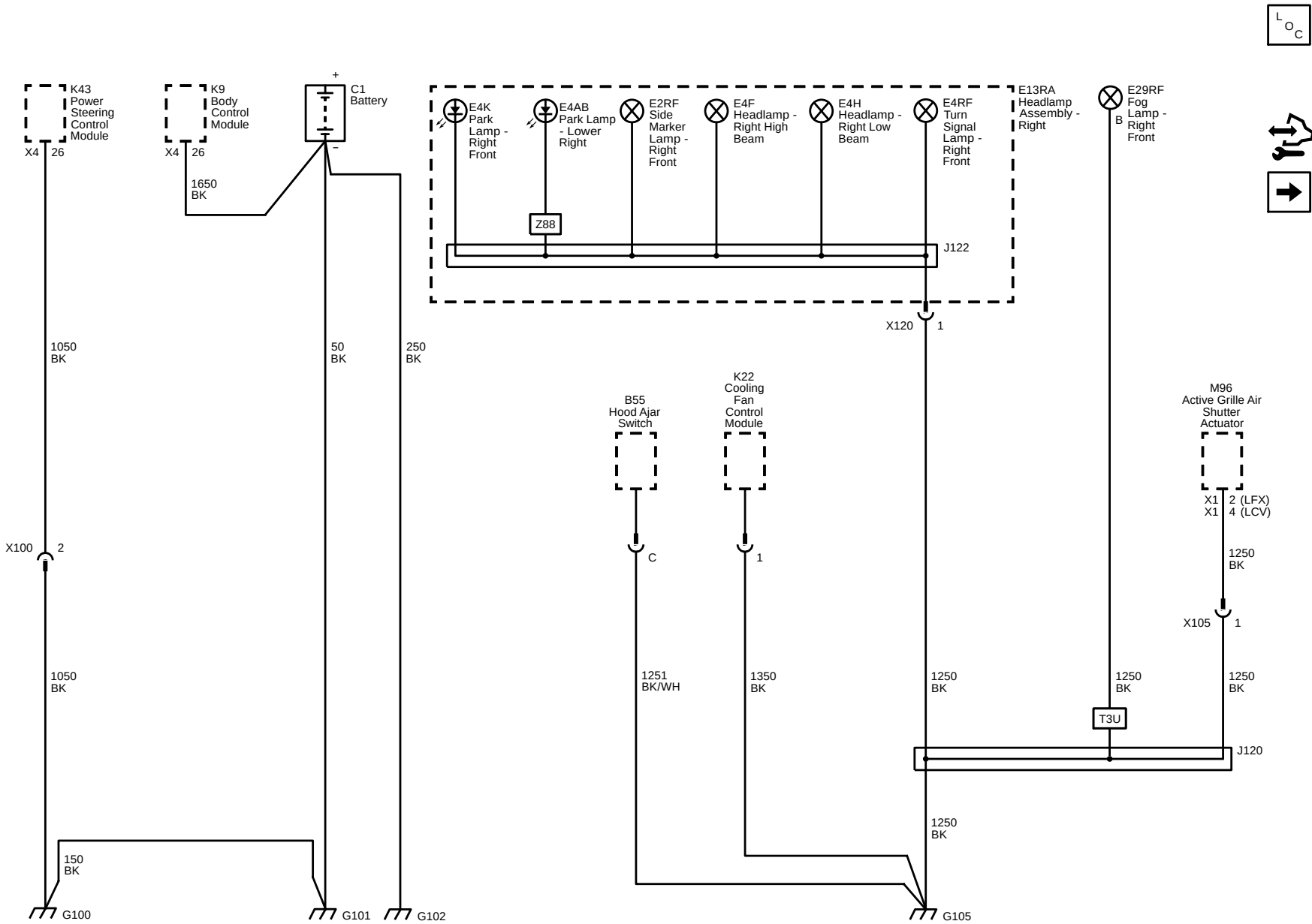
KR73 Ignition Main Relays and Accessory Power

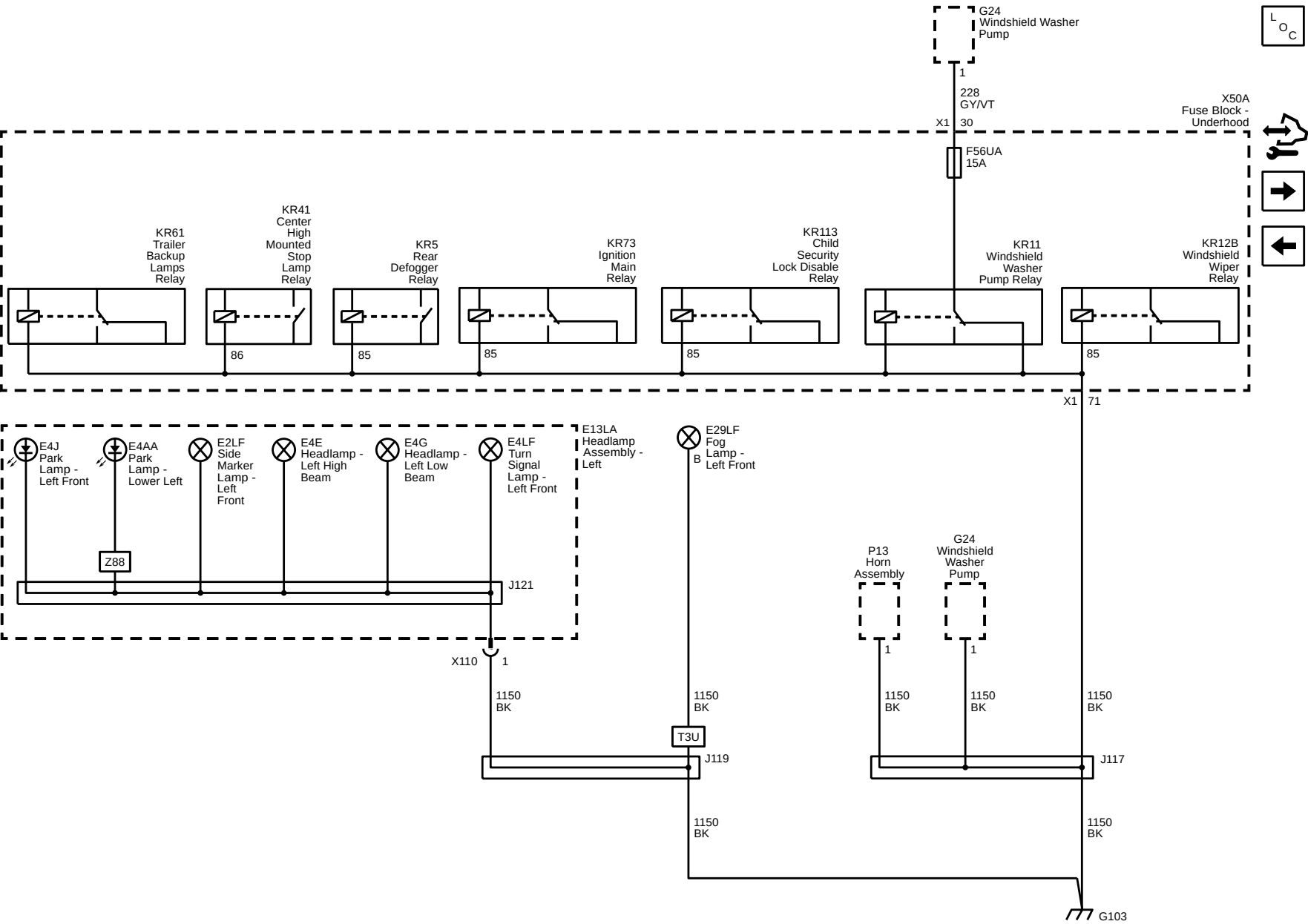


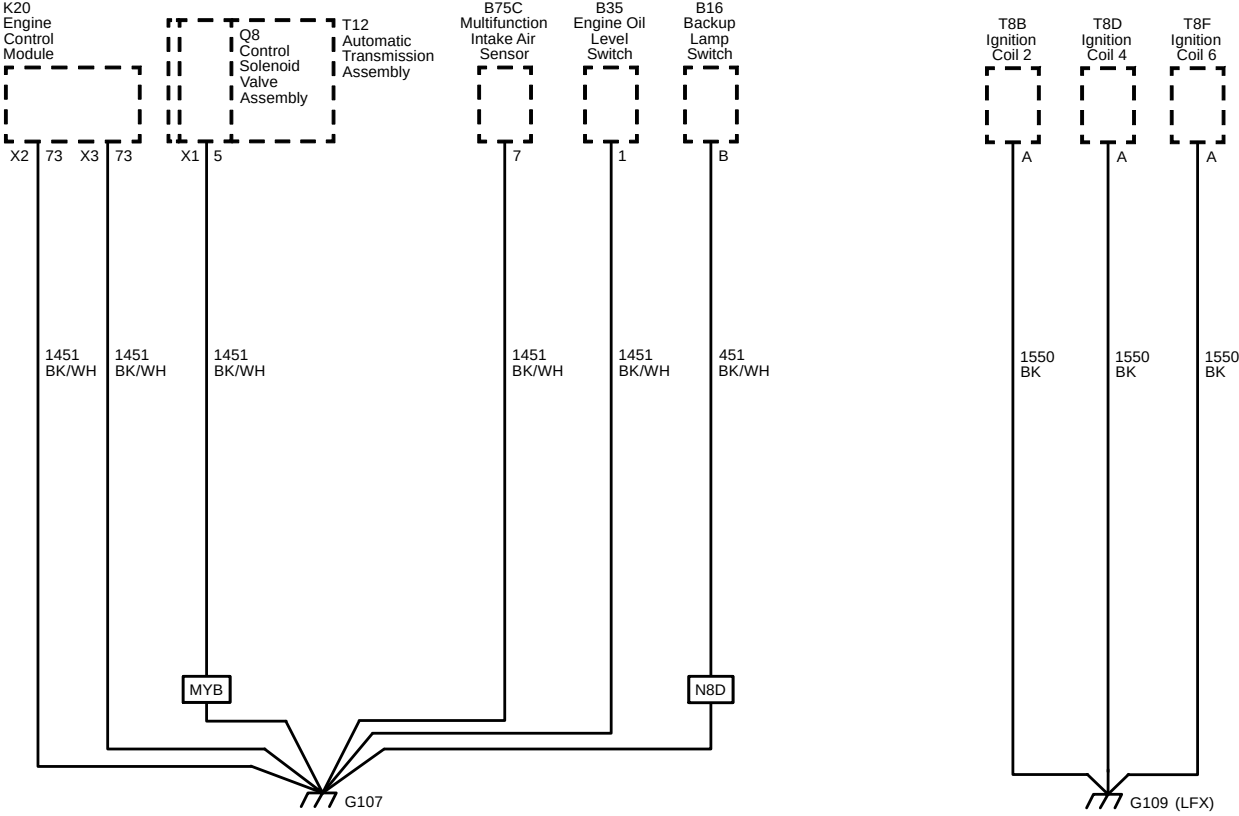
Key Capture, and Park Position Switch

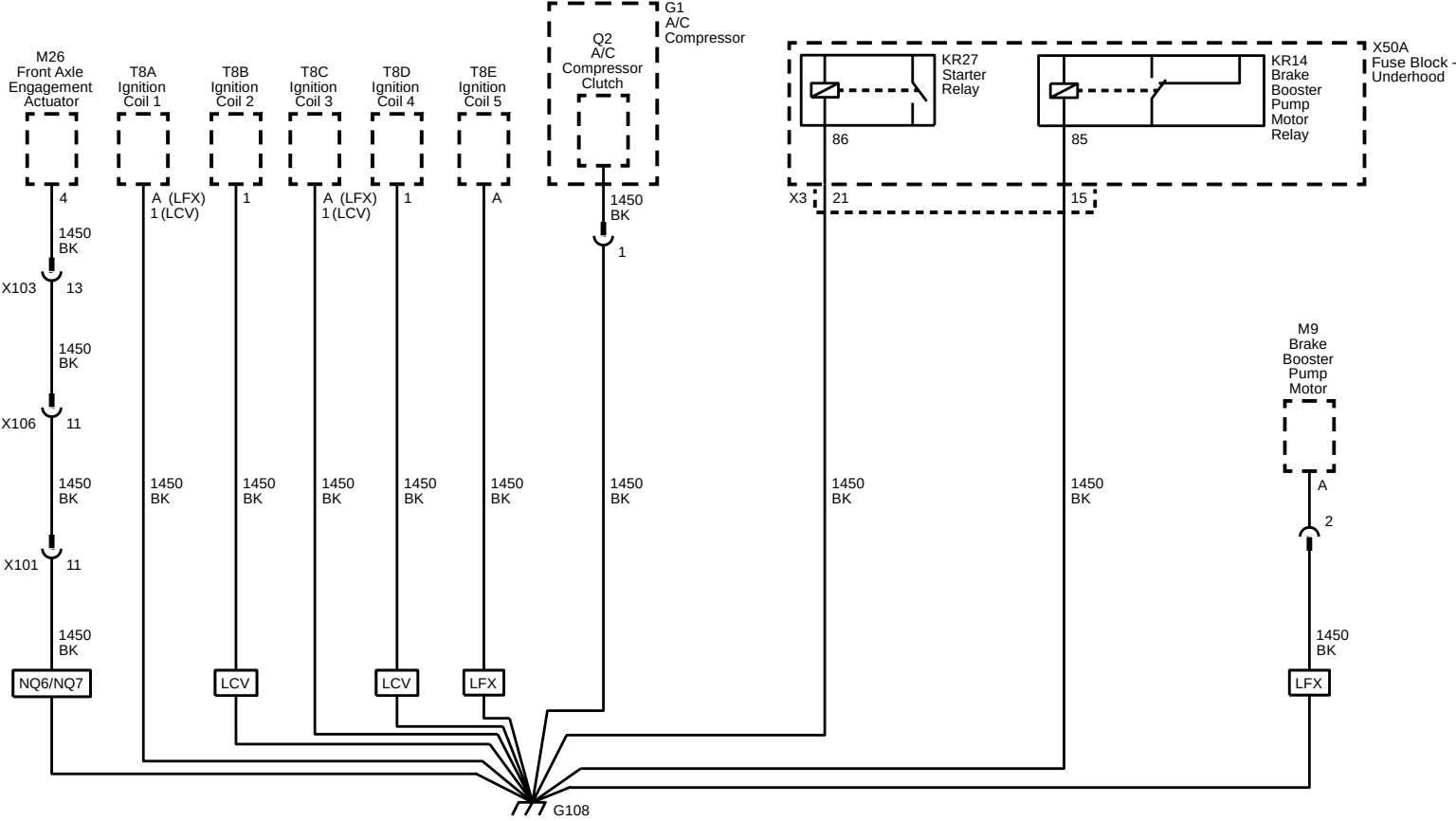


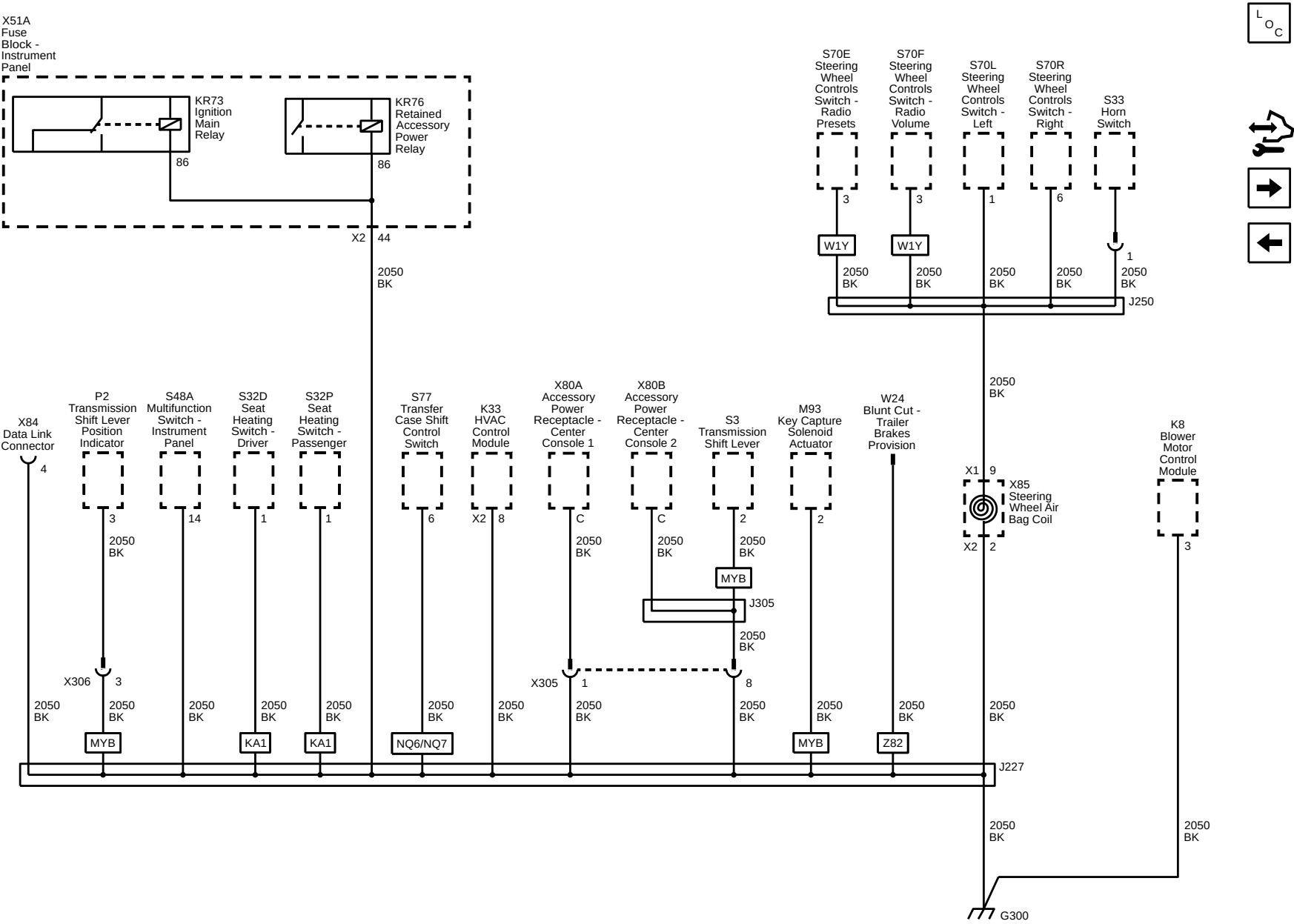
G100, G101, G102, and G105



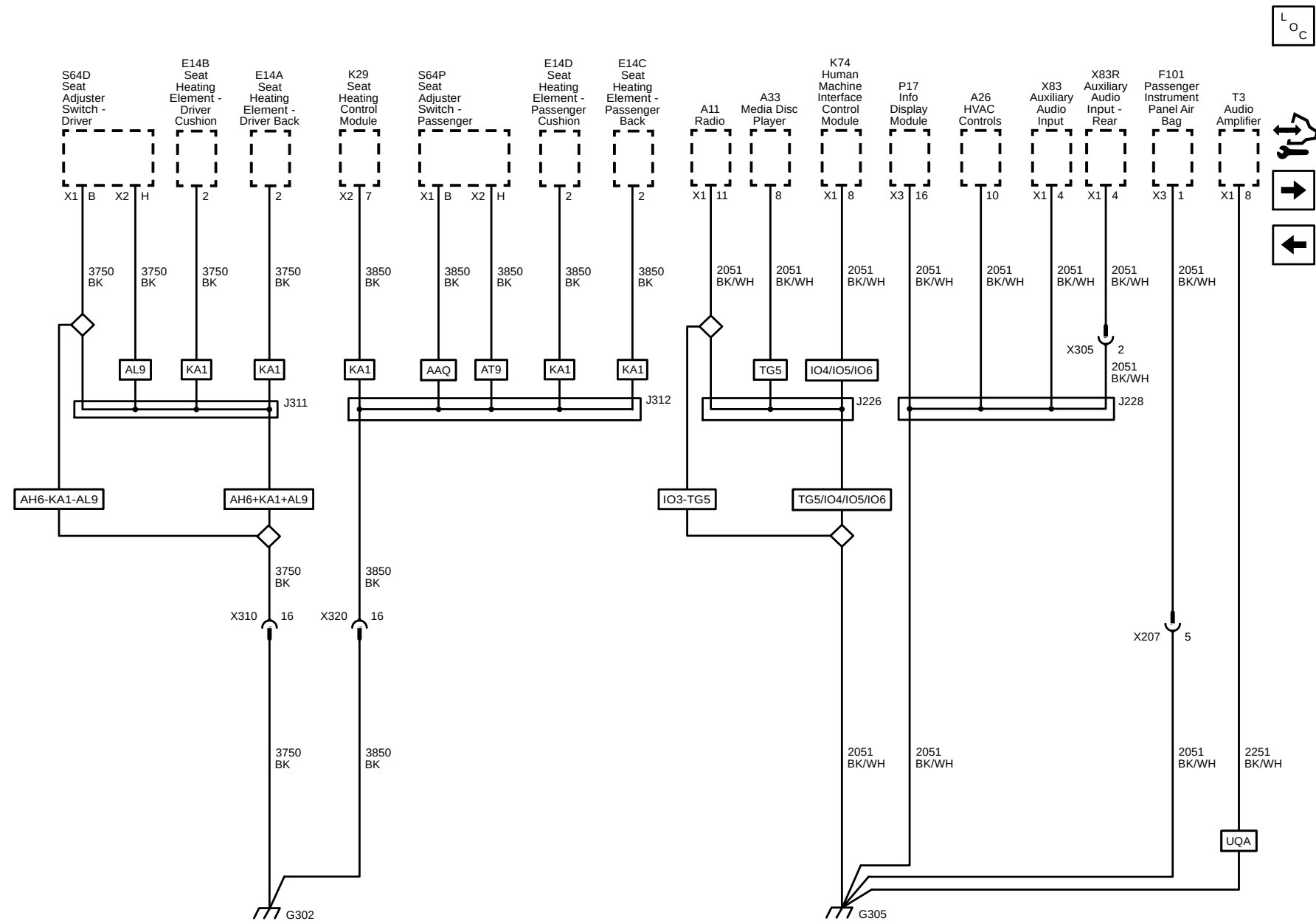


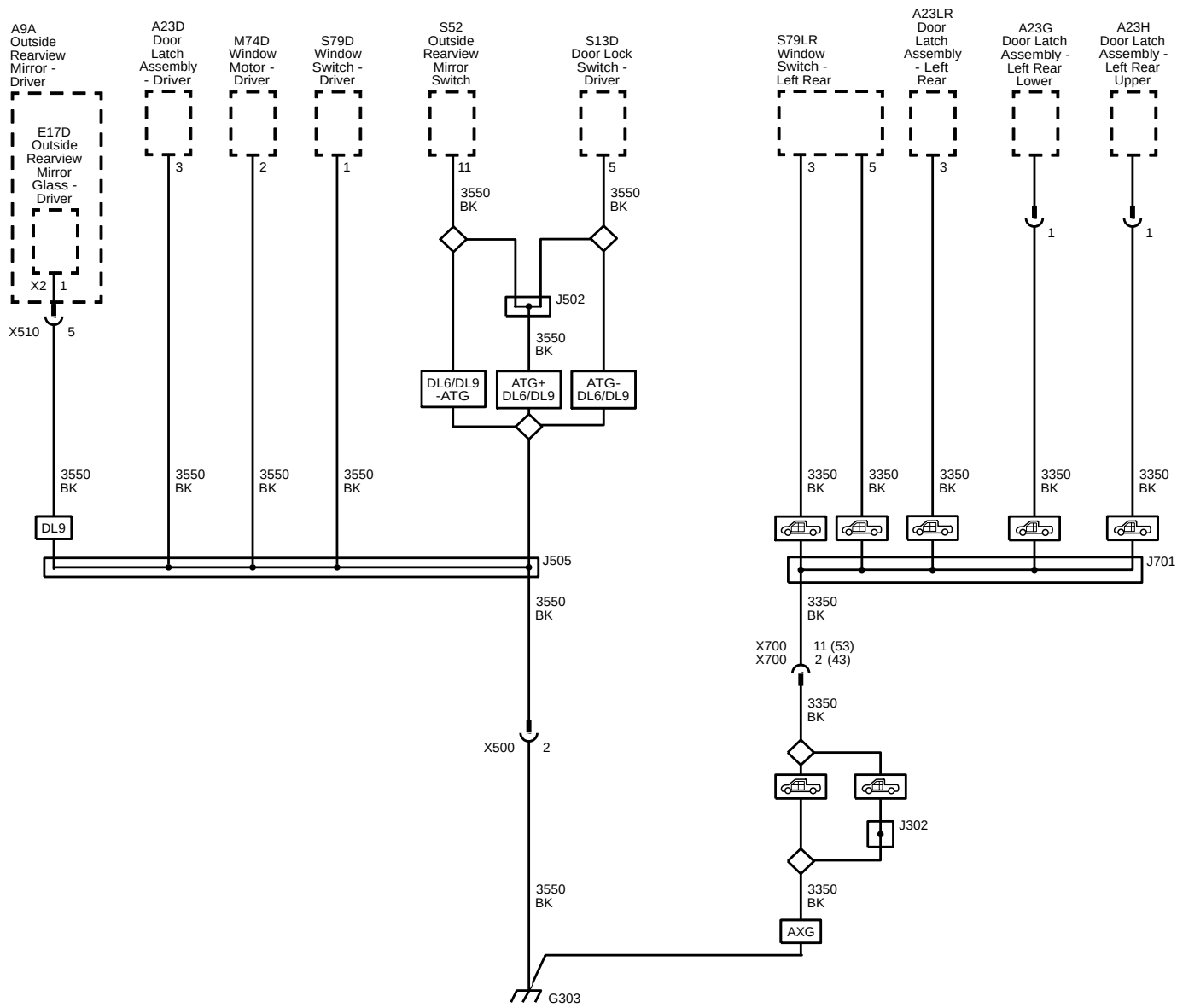


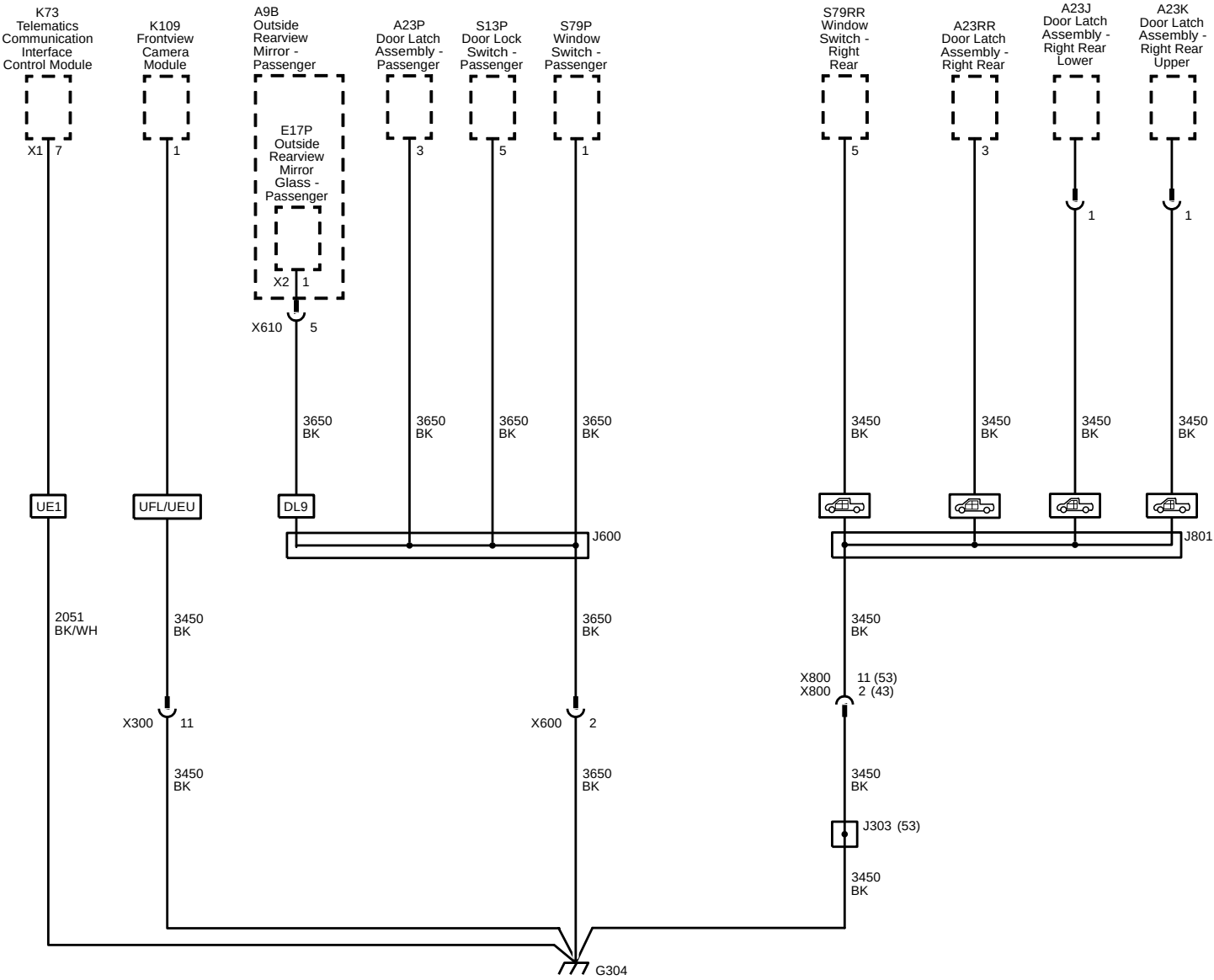


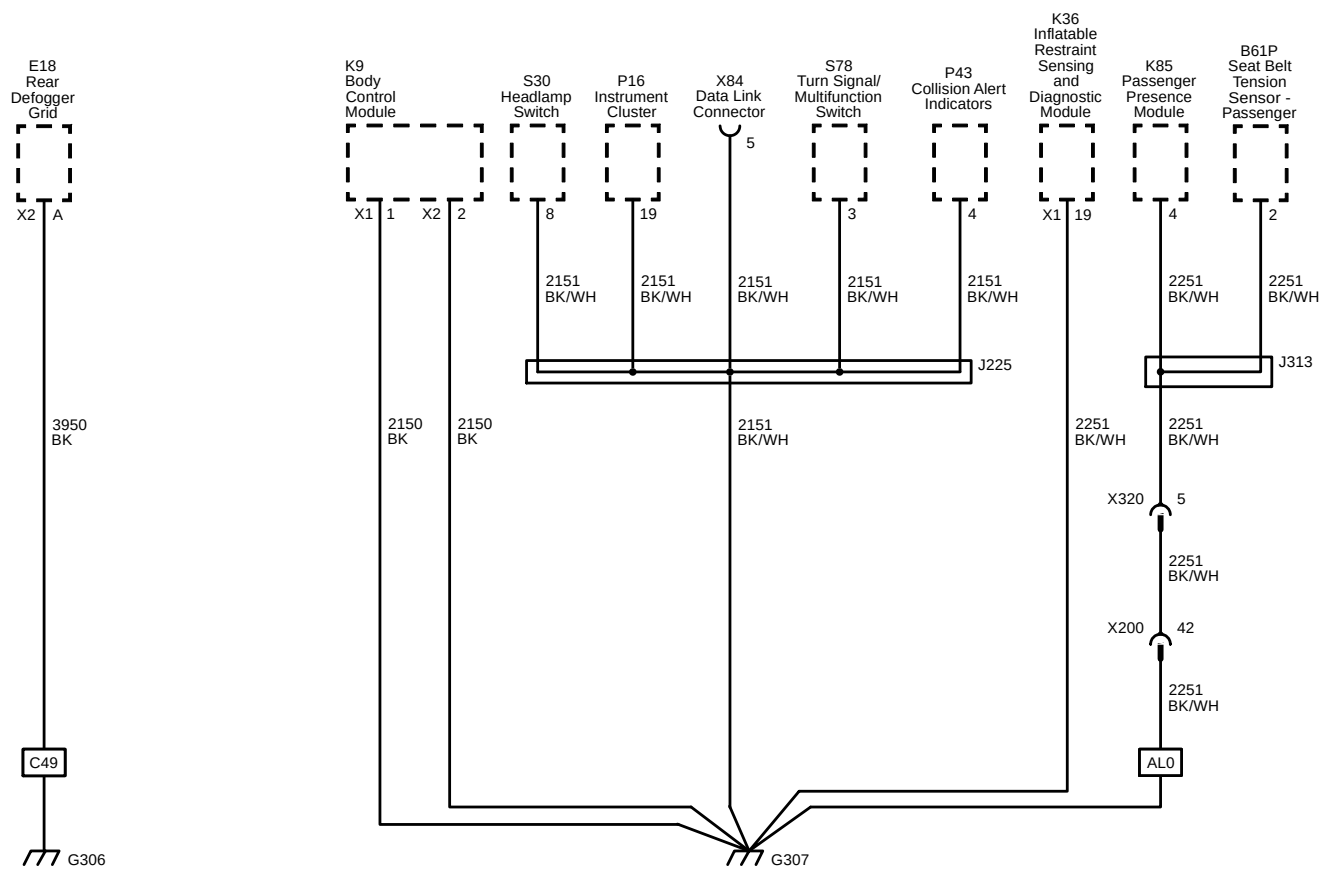


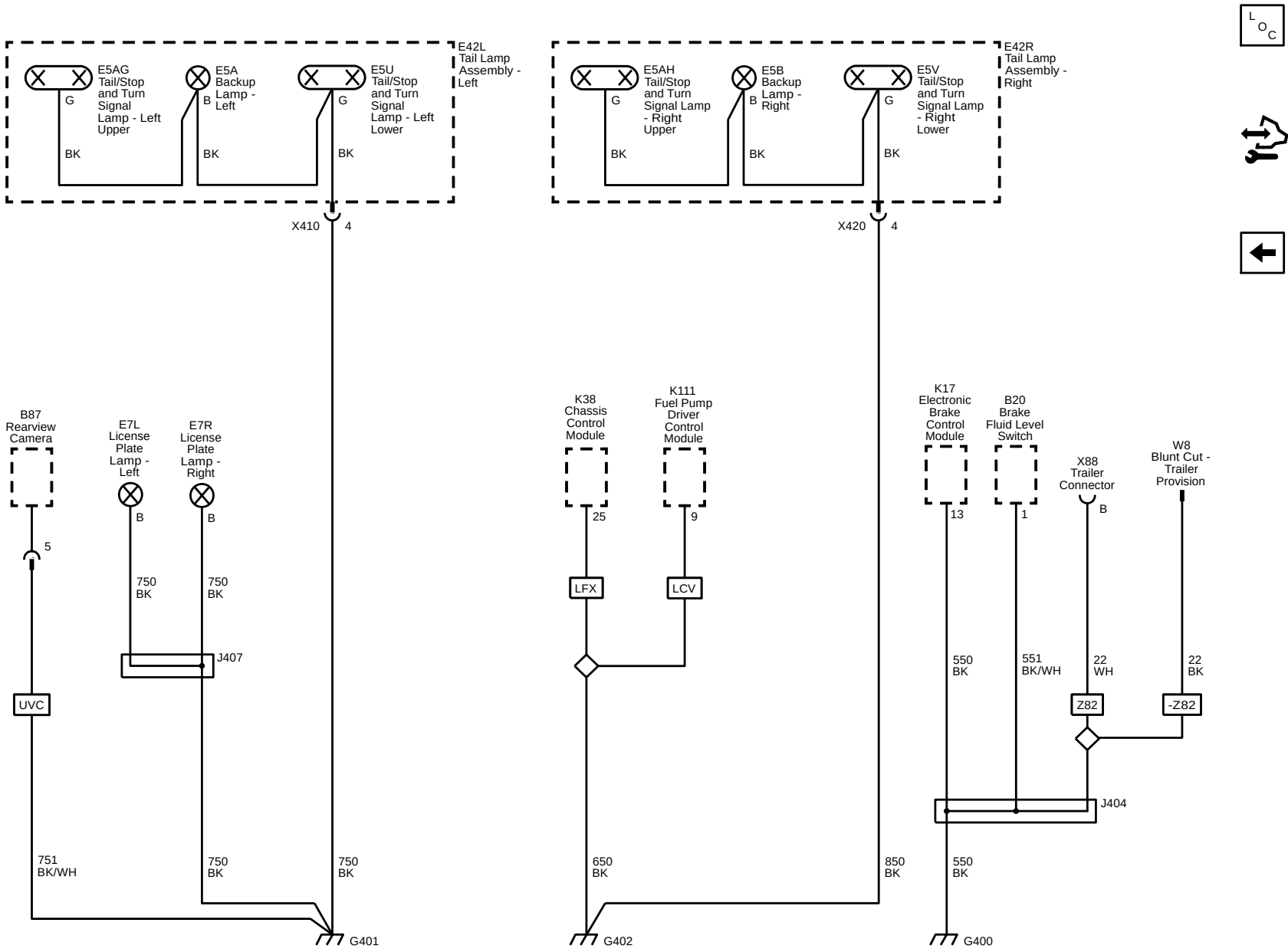




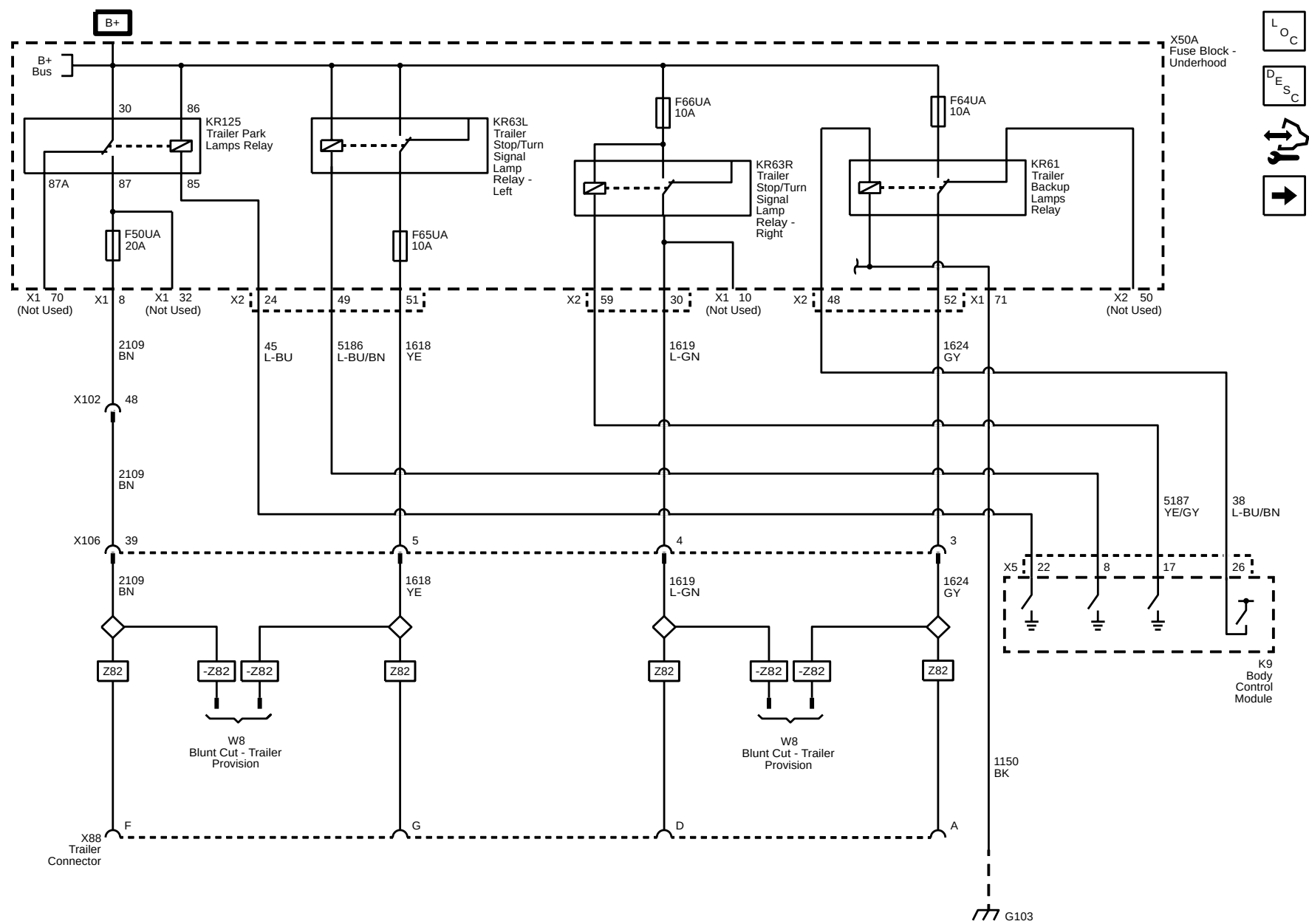




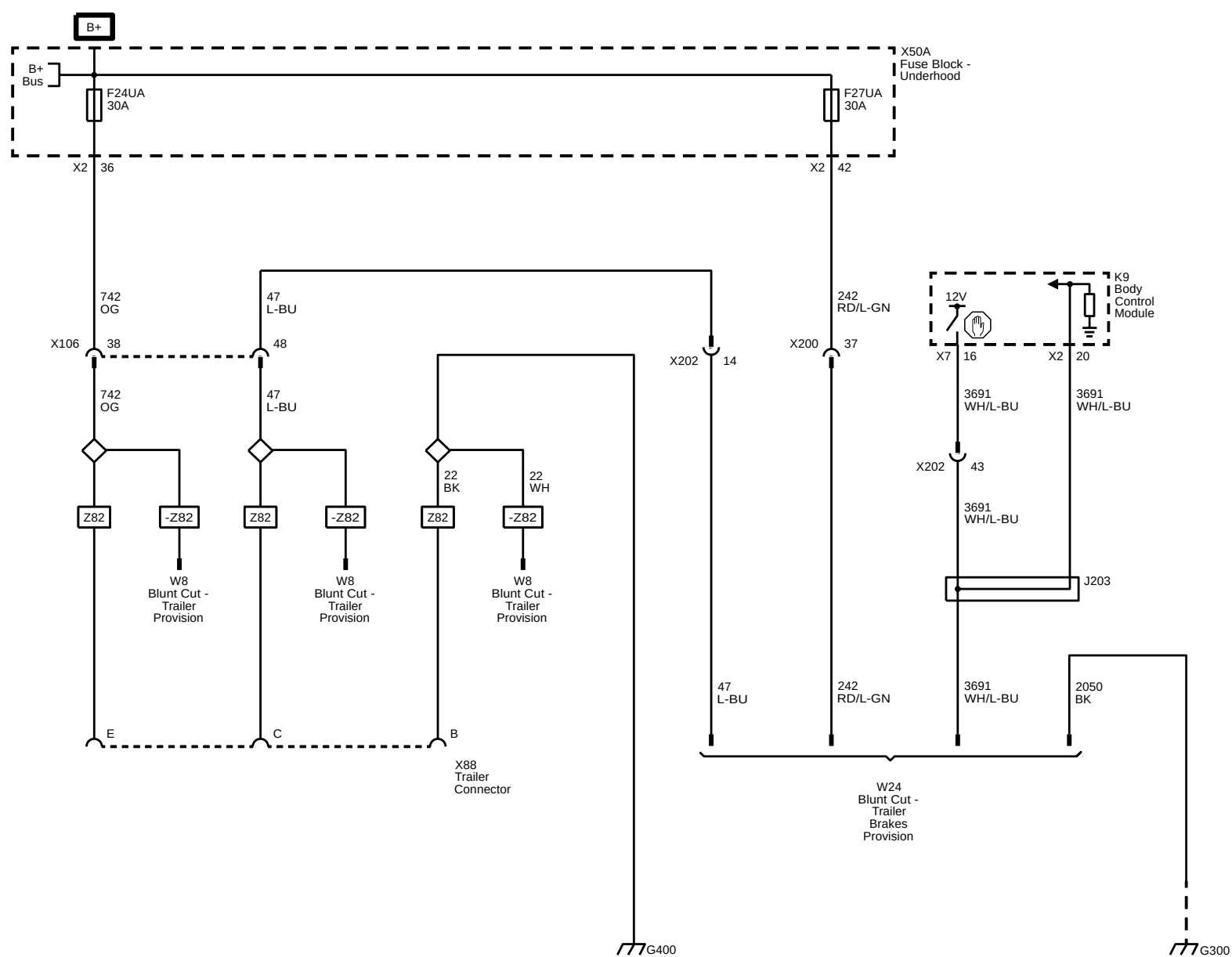




Trailer Connector Pins:A,D,F, and G



Trailer Connector Pins:B,C, E, and Trailer Brakes Provisions



Component Locator

Master Electrical Component List

Master Electrical Component List

Code	Name	Option	Location	Locator View	Connector End View
A3L	Sunshade – Left	—	In the front of the passenger compartment, above the driver seat	—	—
A3R	Sunshade – Right	—	In the front of the passenger compartment, above the passenger seat	—	—
A7	Fuel Pump and Level Sensor Assembly	—	Under the vehicle, on top the fuel tank	—	<u>A7 Fuel Pump and Level Sensor Assembly</u>
A9A	Outside Rearview Mirror – Driver	—	Outside the vehicle, at the front of the driver door	—	—
A9B	Outside Rearview Mirror – Passenger	—	Outside the vehicle, at the front of the passenger door	—	—
A10	Inside Rearview Mirror	—	In the passenger compartment, at the top center of the windshield	● <u>Headliner Components (Crew Cab)</u> ● <u>Headliner Components (Extended Cab)</u>	<u>A10 Inside Rearview Mirror</u>
A11	Radio	—	In the passenger compartment, center of the instrument panel, behind the radio controls	<u>Front of the Instrument Panel Components</u>	● <u>A11 Radio X1</u> ● <u>A11 Radio X2</u> ● <u>A11 Radio X3</u> ● <u>A11 Radio X4</u> ● <u>A11 Radio X7</u>
A16	Transfer Case Motor	NQ6/NQ7	On the underbody, mounted to the bottom rear of the transfer case	<u>Transmission Components (MYB with NQ6/NQ7)</u>	<u>A16 Transfer Case Motor (NQ6/NQ7)</u>
A22	Radio Controls	—	In the passenger compartment, at the center of the instrument panel, part of the info display module	—	—
A23D	Door Latch Assembly – Driver	—	In the passenger compartment, at the middle rear of the driver door	<u>Driver Door Components</u>	<u>A23D Door Latch Assembly - Driver</u>
A23G	Door Latch Assembly – Left Rear Lower	53 with AXG	In the passenger compartment, at the lower front of the left rear door	<u>Left Rear Door Components (Extended Cab)</u>	<u>A23G Door Latch Assembly - Left Rear Lower (Extended Cab)</u>
A23H	Door Latch Assembly – Left Rear Upper	53 with AXG	In the passenger compartment, at the upper front of the left rear door	<u>Left Rear Door Components (Extended Cab)</u>	<u>A23H Door Latch Assembly - Left Rear Upper (Extended Cab)</u>
A23J	Door Latch Assembly – Right Rear Lower	53 with AXG	In the passenger compartment, at the lower front of the right rear door	<u>Right Rear Door Components (Extended Cab)</u>	<u>A23J Door Latch Assembly - Right Rear Lower (Extended Cab)</u>
A23K	Door Latch Assembly – Right Rear Upper	53 with AXG	In the passenger compartment, at the upper front of the right rear door	<u>Right Rear Door Components (Extended Cab)</u>	<u>A23K Door Latch Assembly - Right Rear Upper (Extended Cab)</u>
A23LR	Door Latch Assembly – Left Rear	43	In the passenger compartment, at the middle rear of the left rear door	<u>Left Rear Door Components (Crew Cab)</u>	<u>A23LR Door Latch Assembly - Left Rear (Crew Cab)</u>
A23P	Door Latch Assembly – Passenger	—	In the passenger compartment, at the middle rear of the passenger door	<u>Passenger Door Components</u>	<u>A23P Door Latch Assembly - Passenger</u>
A23RR	Door Latch Assembly – Right Rear	43	In the passenger compartment, at the middle rear of the right rear door	<u>Right Rear Door Components (Crew Cab)</u>	<u>A23RR Door Latch Assembly - Right Rear (Crew Cab)</u>

A26	HVAC Controls	—	In the passenger compartment, at the middle center of the instrument panel, below the radio controls	—	<u>A26 HVAC Controls</u>
A33	Media Disc Player	TG5	In the passenger compartment, lower center of the instrument panel, below the radio controls	—	<u>A33 Media Disc Player (TG5)</u>
B1	A/C Refrigerant Pressure Sensor	—	In the front of the engine compartment, on the right side of the A/C compressor	<u>Left Front of the Engine Components (LCV)</u>	<u>B1 A/C Refrigerant Pressure Sensor</u>
B5LF	Wheel Speed Sensor – Left Front	—	Outside the vehicle, in the left front hub assembly	• <u>Left Side of Engine Compartment Components (2 of 2)</u> • <u>Chassis Components (Crew Cab)</u>	<u>B5LF Wheel Speed Sensor - Left Front</u>
B5LR	Wheel Speed Sensor – Left Rear	—	Outside the vehicle, in the left rear hub assembly	• <u>Chassis Components (Crew Cab)</u> • <u>Underbody Components (2 of 3)</u>	<u>B5LR Wheel Speed Sensor - Left Rear</u>
B5RF	Wheel Speed Sensor – Right Front	—	Outside the vehicle, in the right front hub assembly	• <u>Right Front Wheel Well Component</u> • <u>Chassis Components (Crew Cab)</u>	<u>B5RF Wheel Speed Sensor - Right Front</u>
B5RR	Wheel Speed Sensor – Right Rear	—	Outside the vehicle, in the right rear hub assembly	• <u>Underbody Components (3 of 3)</u> • <u>Chassis Components (Crew Cab)</u>	<u>B5RR Wheel Speed Sensor - Right Rear</u>
B7B	Air Temperature Sensor – Duct Lower	C68	In the passenger compartment, in the floor vent of the front console	<u>HVAC Assembly Components</u>	<u>B7B Air Temperature Sensor - Duct Lower (C68)</u>
B7F	Air Temperature Sensor – Duct Upper	C68	In the passenger compartment, behind the instrument panel, on the upper left side of the HVAC module	<u>HVAC Assembly Components</u>	<u>B7F Air Temperature Sensor - Duct Upper (C68)</u> —
B9	Ambient Air Temperature Sensor	—	Left front of the vehicle, left of the hood latch assembly	—	<u>B9 Ambient Air Temperature Sensor</u>
B10B	Ambient Light/Sunload Sensor	—	In the passenger compartment, at the top center of the instrument panel, in the defroster deflector	<u>Front of the Instrument Panel Components</u>	<u>B10B Ambient Light/Sunload Sensor</u>
B12A	Transmission Fluid Pressure Switch	MYB	Under the vehicle, inside the automatic transmission, part of the control solenoid valve assembly	—	—
B13	Transmission Fluid Temperature Sensor	MYB	Under the vehicle, inside the automatic transmission, part of the control solenoid valve assembly	—	—
B14A	Transmission Output Shaft Speed Sensor	MYB	Under the vehicle, internal to the transmission assembly	—	—
B14A	Transmission Output Shaft Speed Sensor	NQ6/NQ7	Under the vehicle, on the transfer case assembly	<u>Transmission Components (MYB with NQ6/NQ7)</u>	<u>B14A Transmission Output Shaft Speed Sensor (NQ6/NQ7)</u>
B14A	Transmission Output Shaft Speed Sensor	N8D	Under the vehicle, on the manual transmission assembly	—	<u>B14A Transmission Output Shaft Speed Sensor (N8D)</u>
B14C	Transmission Input Shaft Speed Sensor	MYB	Under the vehicle, internal to the transmission assembly	—	—
B15	Transmission Internal Mode Switch	MYB	Under the vehicle, internal to the transmission assembly	—	—

B16	Backup Lamp Switch	N8D	In the engine compartment, lower rear of engine block, above the transmission	—	<u>B16 Backup Lamp Switch (N8D)</u>
B18	Battery Current Sensor	—	In the engine compartment, near the battery, on the negative battery cable	<u>Left Side of Engine Compartment Components (1 of 2)</u>	<u>B18 Battery Current Sensor</u>
B19B	Brake Booster Vacuum Sensor	—	At the rear of the engine compartment, left of the brake fluid reservoir	<u>Left Side of Engine Compartment Components (2 of 2)</u>	<u>B19B Brake Booster Vacuum Sensor</u>
B20	Brake Fluid Level Switch	—	At the rear of the engine compartment, on the brake fluid reservoir	<u>Left Side of Engine Compartment Components (2 of 2)</u>	<u>B20 Brake Fluid Level Switch</u>
B22	Brake Pedal Position Sensor	MYB	In the passenger compartment, behind the brake pedal assembly	<u>Below Left Side of the Instrument Panel Components (MYB)</u>	<u>B22 Brake Pedal Position Sensor (MYB)</u>
B22	Brake Pedal Position Sensor	N8D	In the passenger compartment, behind the brake pedal assembly	<u>Below Left Side of the Instrument Panel Components (N8D)</u>	<u>B22 Brake Pedal Position Sensor (N8D)</u>
B23A	Camshaft Position Sensor – Bank 1 Exhaust	LFX	In the engine compartment, near front, right of center, above of the bank 1 exhaust camshaft position actuator solenoid valve	<u>Left Front of the Engine Components (LFX)</u>	<u>B23A Camshaft Position Sensor - Bank 1 Exhaust (LFX)</u>
B23B	Camshaft Position Sensor – Bank 1 Intake	LFX	In the engine compartment, near front, right of center, left of the bank 1 intake camshaft position actuator solenoid valve	<u>Left Front of the Engine Components (LFX)</u>	<u>B23B Camshaft Position Sensor - Bank 1 Intake (LFX)</u>
B23C	Camshaft Position Sensor – Bank 2 Exhaust	LFX	In the engine compartment, near front, left of center, above of the bank 2 exhaust camshaft position actuator solenoid valve	<u>Left Front of the Engine Components (LFX)</u>	<u>B23C Camshaft Position Sensor - Bank 2 Exhaust (LFX)</u>
B23D	Camshaft Position Sensor – Bank 2 Intake	LFX	In the engine compartment, near front, left of center, right of the bank 2 intake camshaft position actuator solenoid valve	<u>Left Front of the Engine Components (LFX)</u>	<u>B23D Camshaft Position Sensor - Bank 2 Intake (LFX)</u>
B23E	Camshaft Position Sensor – Exhaust	LCV	In the engine compartment, rear left of center, mounted to cylinder head, on left side	<u>Left Front of the Engine Components (LCV)</u>	<u>B23E Camshaft Position Sensor - Exhaust (LCV)</u>
B23F	Camshaft Position Sensor – Intake	LCV	In the engine compartment, rear right of center, mounted to cylinder head, on right lower side	<u>Right Rear of Engine Components (LCV)</u>	<u>B23F Camshaft Position Sensor - Intake (LCV)</u>
B24	Cellular Phone Microphone	IO4/IO5/IO6/UE1	In the passenger compartment, at the front center of the headliner, in the overhead console	● <u>Headliner Components (Extended Cab)</u> ● <u>Headliner Components (Crew Cab)</u>	<u>B24 Cellular Phone Microphone (UE1)</u>
B25B	Clutch Pedal Position Sensor	N8D	In the passenger compartment, under the driver side of the instrument panel, near top of clutch pedal	<u>Below Left Side of the Instrument Panel Components (N8D)</u>	<u>B25B Clutch Pedal Position Sensor (N8D)</u>
B26	Crankshaft Position Sensor	LCV	In the engine compartment, right of center, near rear, mounted to right side of engine block	<u>Right Bottom of Engine Components (LCV)</u>	<u>B26 Crankshaft Position Sensor (LCV)</u>
B26	Crankshaft Position Sensor	LFX	In the engine compartment, right of center, near rear, mounted to right side of engine block	<u>Right Bottom of Engine Components (LFX)</u>	<u>B26 Crankshaft Position Sensor (LFX)</u>
B34	Engine Coolant Temperature Sensor	LCV	In the engine compartment, rear center, mounted to coolant outlet at rear of cylinder head	<u>Right Rear of Engine Components (LCV)</u>	<u>B34 Engine Coolant Temperature Sensor (LCV)</u>
B34	Engine Coolant Temperature Sensor	LFX	In the engine compartment, left of center, near rear, mounted to bank 2 cylinder head, near exhaust pipe	● <u>Left Front of the Engine Components (LFX)</u> ● <u>Right Rear of Engine Components (LFX)</u>	<u>B34 Engine Coolant Temperature Sensor (LFX)</u>

B35	Engine Oil Level Switch	LCV	In the engine compartment, right of center, near middle, mounted to right side of oil pan	<u>Right Rear of Engine Components (LCV)</u>	<u>B35 Engine Oil Level Switch (LCV)</u>
B35	Engine Oil Level Switch	LFX	In the engine compartment, mounted to right side of oil pan above the drain plug	<u>Right Bottom of Engine Components (LFX)</u>	<u>B35 Engine Oil Level Switch (LFX)</u>
B37B	Engine Oil Pressure Sensor	LCV	In the engine compartment, right of center, near middle, mounted to right side of engine block	<u>Right Bottom of Engine Components (LCV)</u>	<u>B37B Engine Oil Pressure Sensor (LCV)</u>
B37B	Engine Oil Pressure Sensor	LFX	In the engine compartment, left of center, near front, mounted to oil filter adapter	<u>Left Front of the Engine Components (LFX)</u>	<u>B37B Engine Oil Pressure Sensor (LFX)</u>
B39	A/C Evaporator Temperature Sensor	—	In the passenger compartment, part of HVAC module, behind the instrument panel	<u>HVAC Assembly Components</u>	<u>B39 A/C Evaporator Temperature Sensor</u>
B46	Fuel Level Sensor	—	Under the vehicle, inside the fuel tank	—	—
B47	Fuel Pressure Sensor	—	On the vehicle underbody, on the fuel line, near the transmission crossmember mount	• <u>Chassis Underbody Components (Extended Cab)</u> • <u>Chassis Components (Crew Cab)</u>	<u>B47 Fuel Pressure Sensor</u>
B47B	Fuel Rail Pressure Sensor	LCV	In the engine compartment, right of center, rear of middle, mounted to right side of fuel rail, below intake manifold	—	<u>B47B Fuel Rail Pressure Sensor (LCV)</u>
B47B	Fuel Rail Pressure Sensor	LFX	In the engine compartment, near middle rear, mounted to bank 2 fuel rail on inboard side of bank 2 cylinder head	—	<u>B47B Fuel Rail Pressure Sensor (LFX)</u>
B52A	Heated Oxygen Sensor 1	LCV	In the engine compartment, left of center, in the exhaust manifold	<u>Left Front of the Engine Components (LCV)</u>	<u>B52A Heated Oxygen Sensor 1 (LCV)</u>
B52B	Heated Oxygen Sensor 2	LCV	In the engine compartment, rear, left of center, mounted to catalytic converter, near transmission	<u>Left Front of the Engine Components (LCV)</u>	<u>B52B Heated Oxygen Sensor 2 (LCV)</u>
B52C	Heated Oxygen Sensor – Bank 1 Sensor 1	LFX	In the engine compartment, right of center, near rear, on exhaust pipe, before the catalytic converter	<u>Right Rear of Engine Components (LFX)</u>	<u>B52C Heated Oxygen Sensor - Bank 1 Sensor 1 (LFX)</u>
B52D	Heated Oxygen Sensor – Bank 1 Sensor 2	LFX	In the engine compartment, right of center, rear, on exhaust pipe, after the catalytic converter	<u>Right Rear of Engine Components (LFX)</u>	<u>B52D Heated Oxygen Sensor - Bank 1 Sensor 2 (LFX)</u>
B52E	Heated Oxygen Sensor – Bank 2 Sensor 1	LFX	In the engine compartment, left of center, near rear, on exhaust pipe, before the catalytic converter	<u>Left Front of the Engine Components (LFX)</u>	<u>B52E Heated Oxygen Sensor - Bank 2 Sensor 1 (LFX)</u>
B52F	Heated Oxygen Sensor – Bank 2 Sensor 2	LFX	In the engine compartment, left of center, rear, on exhaust pipe, after the catalytic converter	<u>Right Rear of Engine Components (LFX)</u>	<u>B52F Heated Oxygen Sensor - Bank 2 Sensor 2 (LFX)</u>
B55	Hood Ajar Switch	—	In the front of the engine compartment, on the hood latch	<u>Left Front of Engine Compartment Components</u>	<u>B55 Hood Ajar Switch</u>
B59L	Front Impact Sensor – Left	—	In the engine compartment, at front, left of center, mounted to the rear of the radiator support	<u>Left Front of Engine Compartment Components</u>	<u>B59L Front Impact Sensor - Left</u>
B59R	Front Impact Sensor – Right	—	In the engine compartment, at front, right of center, mounted to the rear of the radiator support	<u>Right Front of Engine Compartment Components</u>	<u>B59R Front Impact Sensor - Right</u>
B60	Passenger Presence Sensor	—	In the passenger compartment, under the passenger seat cushion	—	—

B61P	Seat Belt Tension Sensor – Passenger	—	In the passenger compartment, at the base of the passenger seat, part of the passenger seat belt buckle assembly	—	<u>B61P Seat Belt Tension Sensor - Passenger (AL0)</u>
B63LF	Side Impact Sensor – Left Front	—	In the driver door, behind the trim panel, toward the rear of the door	<u>Driver Door Components</u>	<u>B63LF Side Impact Sensor - Left Front</u>
B63LR	Side Impact Sensor – Left Rear	—	In the left rear door, behind the trim panel, toward the rear of the door	• <u>Left Passenger Components (Extended Cab)</u> • <u>Left Passenger Components (Crew Cab)</u>	<u>B63LR Side Impact Sensor - Left Rear</u>
B63RF	Side Impact Sensor – Right Front	—	In the passenger door, behind the trim panel, toward the rear of the door	<u>Passenger Door Components</u>	<u>B63RF Side Impact Sensor - Right Front</u>
B63RR	Side Impact Sensor – Right Rear	—	In the right rear door, behind the trim panel, toward the rear of the door	• <u>Right Passenger Components (Extended Cab)</u> • <u>Right Passenger Components (Crew Cab)</u>	<u>B63RR Side Impact Sensor - Right Rear</u>
B68A	Knock Sensor 1	LCV	In the engine compartment, right of center, forward of middle, mounted to right side of engine block	<u>Right Bottom of Engine Components (LCV)</u>	<u>B68A Knock Sensor 1 (LCV)</u>
B68A	Knock Sensor 1	LFX	In the engine compartment, right of center, near middle, mounted to right side of engine block	<u>Right Bottom of Engine Components (LFX)</u>	<u>B68A Knock Sensor 1 (LFX)</u>
B68B	Knock Sensor 2	LCV	In the engine compartment, right of center, rear of middle, mounted to right side of engine block	<u>Right Bottom of Engine Components (LCV)</u>	<u>B68B Knock Sensor 2 (LCV)</u>
B68B	Knock Sensor 2	LFX	In the engine compartment, left of center, near middle, mounted to left side of engine block	<u>Left Front of the Engine Components (LFX)</u>	<u>B68B Knock Sensor 2 (LFX)</u>
B74	Manifold Absolute Pressure Sensor	LCV	In the engine compartment, right of center, near front, mounted to right side of intake manifold	<u>Right Bottom of Engine Components (LCV)</u>	<u>B74 Manifold Absolute Pressure Sensor</u>
B74	Manifold Absolute Pressure Sensor	LFX	In the engine compartment, center near rear, mounted to top of intake manifold	<u>Right Rear of Engine Components (LFX)</u>	<u>B74 Manifold Absolute Pressure Sensor</u>
B75C	Multifunction Intake Air Sensor	—	Right side of the engine compartment, in the air intake duct	• <u>Right Rear of Engine Components (LFX)</u> • <u>Right Rear of Engine Components (LCV)</u>	<u>B75C Multifunction Intake Air Sensor</u>
B80	Park Brake Switch	—	In the passenger compartment, at the left side of the Driver Footwell	• <u>Below Left Side of the Instrument Panel Components (N8D)</u> • <u>Below Left Side of the Instrument Panel Components (MYB)</u> • <u>Left Passenger Components (Crew Cab)</u>	<u>B80 Park Brake Switch</u>
B81B	Park Position Switch	MYB	In the passenger compartment, center near front, on shift lever within floor console	—	—
B87	Rearview Camera	UVC	In the lower center of the tailgate handle assembly	<u>Rear of Vehicle Components</u>	<u>B87 Rearview Camera (UVC)</u>
B88D	Seat Belt Switch – Driver	—	In the passenger compartment, part of the driver seat belt buckle	<u>Driver Seat Components</u>	<u>B88D Seat Belt Switch - Driver</u>

B88P	Seat Belt Switch – Passenger	—	In the passenger compartment, part of the passenger front seat belt buckle	<u>Passenger Seat Components</u>	<u>B88P Seat Belt Switch - Passenger</u>
B107	Accelerator Pedal Position Sensor	—	In the passenger compartment, on the driver floor board above the accelerator pedal	• <u>Below Left Side of the Instrument Panel Components (MYB)</u> • <u>Below Left Side of the Instrument Panel Components (N8D)</u>	<u>B107 Accelerator Pedal Position Sensor</u>
B137	Power Steering Shaft Torque Sensor	—	In the engine compartment, lower left, part of power steering assembly	—	—
B150	Fuel Tank Pressure Sensor	—	On the underbody, mounted to the fuel pump and sender assembly	• <u>Chassis Components (Crew Cab)</u> • <u>Underbody Components (2 of 3)</u>	<u>B150 Fuel Tank Pressure Sensor</u>
B153D	Seat Belt Buckle – Driver	—	In the passenger compartment, at the inboard of the driver seat	—	—
B153P	Seat Belt Buckle – Passenger	—	In the passenger compartment, at the inboard of the passenger seat	—	—
B160	Windshield Temperature and Inside Moisture Sensor	C68	In the passenger compartment, behind the inside rearview mirror, near the windshield	• <u>Headliner Components (Extended Cab)</u> • <u>Headliner Components (Crew Cab)</u>	<u>B160 Windshield Temperature and Inside Moisture Sensor (C68)</u>
B203	Engine Coolant Radiator Temperature Sensor	LCV	In the engine compartment, lower left corner of radiator	<u>Radiator Assembly Components</u>	<u>B203 Engine Coolant Radiator Temperature Sensor</u>
B227	Gear Position Sensor	NQ6	Under the vehicle, on the top rear of the transfer case	<u>Transmission Components (MYB with NQ6/NQ7)</u>	<u>B227 Gear Position Sensor (NQ6)</u>
C1	Battery	—	In the engine compartment, on the left side, near the underhood fuse block	<u>Left Side of Engine Compartment Components (1 of 2)</u>	<u>C1 Battery X2</u>
C3	Telematics Communication Interface Control Module Battery	UE1	In the passenger compartment, right side of the instrument panel, behind the glove box, near the telematics communication interface control module	• <u>Right Passenger Components (Extended Cab)</u> • <u>Right Passenger Components (Crew Cab)</u>	<u>C3 Telematics Communication Interface Control Module Battery (UE1)</u>
E2LF	Side Marker Lamp – Left Front	—	Outside of the vehicle, on the left front	—	—
E2RF	Side Marker Lamp – Right Front	—	Outside of the vehicle, on the right front	—	—
E4AA	Park Lamp – Lower Left	Z88	Outside of the vehicle, front left, in the headlamp assembly	—	—
E4AB	Park Lamp – Lower Right	Z88	Outside of the vehicle, front right, in the headlamp assembly	—	—
E4E	Headlamp – Left High Beam	—	Outside of the vehicle, at the left front of the vehicle, in the headlamp assembly	<u>Front of Vehicle Components</u>	—
E4F	Headlamp – Right High Beam	—	Outside of the vehicle, at the right front of the vehicle, in the headlamp assembly	<u>Front of Vehicle Components</u>	—
E4G	Headlamp – Left Low Beam	—	Outside of the vehicle, at the left front of the vehicle, in the headlamp assembly	<u>Front of Vehicle Components</u>	—
E4H	Headlamp – Right Low Beam	—	Outside of the vehicle, at the right front of the vehicle, in the headlamp assembly	<u>Front of Vehicle Components</u>	—

E4J	Park Lamp – Left Front	—	Outside of the vehicle, at the left front of the vehicle, in the headlamp assembly	—	—
E4K	Park Lamp – Right Front	—	Outside of the vehicle, at the right front of the vehicle, in the headlamp assembly	—	—
E4LF	Turn Signal Lamp – Left Front	—	Outside of the vehicle, at the left front of the vehicle, in the headlamp assembly	<u>Front of Vehicle Components</u>	—
E4RF	Turn Signal Lamp – Right Front	—	Outside of the vehicle, at the right front of the vehicle, in the headlamp assembly	<u>Front of Vehicle Components</u>	—
E5A	Backup Lamp – Left	—	Outside of the vehicle, at the left rear corner of the vehicle, part of the left tail lamp assembly	<u>Rear of Vehicle Components</u>	—
E5B	Backup Lamp – Right	—	Outside of the vehicle, at the right rear corner of the vehicle, part of the right tail lamp assembly	<u>Rear of Vehicle Components</u>	—
E5E	Tail Lamp – Left	—	Outside of the vehicle, at the left rear corner of the vehicle, part of the left tail lamp assembly	<u>Rear of Vehicle Components</u>	—
E5F	Tail Lamp – Right	—	Outside of the vehicle, at the right rear corner of the vehicle, part of the right tail lamp assembly	<u>Rear of Vehicle Components</u>	—
E5L	Stop Lamp – Left	—	Outside of the vehicle, at the left rear corner of the vehicle, part of the left tail lamp assembly	<u>Rear of Vehicle Components</u>	—
E5R	Stop Lamp – Right	—	Outside of the vehicle, at the right rear corner of the vehicle, part of the right tail lamp assembly	<u>Rear of Vehicle Components</u>	—
E6	Center High Mounted Stop Lamp	—	Outside of the vehicle, at the rear center of the roof	<u>Rear of Vehicle Components</u>	<u>E6 Center High Mounted Stop Lamp</u>
E7L	License Plate Lamp – Left	—	Outside of the vehicle, at the rear center of the vehicle	<u>Rear of Vehicle Components</u>	<u>E7L License Plate Lamp - Left</u>
E7R	License Plate Lamp – Right	—	Outside of the vehicle, at the rear center of the vehicle	<u>Rear of Vehicle Components</u>	<u>E7R License Plate Lamp - Right</u>
E13LA	Headlamp Assembly – Left	—	Outside of the vehicle, at the front left of the vehicle	—	—
E13RA	Headlamp Assembly – Right	—	Outside of the vehicle, at the front right of the vehicle	—	—
E14A	Seat Heating Element – Driver Back	KA1	In the passenger compartment, in the driver seat back	<u>Driver Seat Components</u>	<u>E14A Seat Heating Element - Driver Back (KA1)</u>
E14B	Seat Heating Element – Driver Cushion	KA1	In the passenger compartment, part of the driver seat cushion	<u>Driver Seat Components</u>	<u>E14B Seat Heating Element - Driver Cushion (KA1)</u>
E14C	Seat Heating Element – Passenger Back	KA1	In the passenger compartment, in the passenger seat back	<u>Passenger Seat Components</u>	<u>E14C Seat Heating Element - Passenger Back (KA1)</u>
E14D	Seat Heating Element – Passenger Cushion	KA1	In the passenger compartment, part of the passenger seat cushion	<u>Passenger Seat Components</u>	<u>E14D Seat Heating Element - Passenger Cushion (KA1)</u>
E17D	Outside Rearview Mirror Glass – Driver	DL9	Outside of the vehicle, on driver door, part of outside rearview mirror	—	● <u>E17D Outside Rearview Mirror Glass - Driver X1 (DL9)</u> ● <u>E17D Outside Rearview Mirror Glass - Driver X2 (DL9)</u>

E17P	Outside Rearview Mirror Glass – Passenger	DL9	Outside of the vehicle, on front passenger door, part of outside rearview mirror	—	● <u>E17P Outside Rearview Mirror Glass - Passenger X1 (DL9)</u> ● <u>E17P Outside Rearview Mirror Glass - Passenger X2 (DL9)</u>
E18	Rear Defogger Grid	C49	In the passenger compartment, on the inside of the rear window	<u>Rear of Vehicle Components</u>	● <u>E18 Rear Defogger Grid X1 (C49)</u> ● <u>E18 Rear Defogger Grid X2 (C49)</u>
E29LF	Fog Lamp – Left Front	T3U	At the left front corner of the vehicle, below the left headlamp assembly	<u>Front of Vehicle Components</u>	<u>E29LF Fog Lamp - Left Front (T3U)</u>
E29RF	Fog Lamp – Right Front	T3U	At the right front corner of the vehicle, below the right headlamp assembly	<u>Front of Vehicle Components</u>	<u>E29RF Fog Lamp - Right Front (T3U)</u>
E31L	Sunshade Mirror Lamp – Left	D6I	In the passenger compartment, on the left sunshade	● <u>Headliner Components (Extended Cab)</u> ● <u>Headliner Components (Crew Cab)</u>	<u>E31L Sunshade Mirror Lamp - Left (D6I)</u>
E31R	Sunshade Mirror Lamp – Right	D6I	In the passenger compartment, on the right sunshade	● <u>Headliner Components (Extended Cab)</u> ● <u>Headliner Components (Crew Cab)</u>	<u>E31R Sunshade Mirror Lamp - Right (D6I)</u>
E33L	Cargo Lamp – Left	—	Outside of the vehicle, at the rear center of the roof, part of the center high mounted stop lamp	—	—
E33R	Cargo Lamp – Right	—	Outside of the vehicle, at the rear center of the roof, part of the center high mounted stop lamp	—	—
E36AH	Dome Lamp	TCA	In the passenger compartment, center of roof	—	—
E37F	Dome/Reading Lamps – Front	C74	In the passenger compartment, in the headliner between the front and second row seating	● <u>Headliner Components (Extended Cab)</u> ● <u>Headliner Components (Crew Cab)</u>	<u>E37F Dome/Reading Lamps - Front (C74)</u>
E37R	Dome/Reading Lamps – Rear	TR0	In the passenger compartment, on the roof	● <u>Headliner Components (Extended Cab)</u> ● <u>Headliner Components (Crew Cab)</u>	<u>E37R Dome/Reading Lamps - Rear (TR0)</u>
E41	Engine Coolant Thermostat Heater	LCV	In the engine compartment, top left front of the engine	● <u>Right Bottom of Engine Components (LCV)</u> ● <u>Left Front of the Engine Components (LCV)</u>	<u>E41 Engine Coolant Thermostat Heater (LCV)</u>
E42L	Tail Lamp Assembly – Left	—	Outside of the vehicle, at the left rear corner of the vehicle	—	—
E42R	Tail Lamp Assembly – Right	—	Outside of the vehicle, at the right rear corner of the vehicle	—	—
F101	Passenger Instrument Panel Air Bag	—	In the passenger compartment, at the top of the passenger side of the instrument panel	<u>Behind the Instrument Panel Components</u>	<u>F101 Passenger Instrument Panel Air Bag X1</u>
F105L	Roof Rail Air Bag – Left	—	In the passenger compartment, along the left roof rail	● <u>Left Passenger Components (Extended Cab)</u> ● <u>Left Passenger Components (Crew Cab)</u>	<u>F105L Roof Rail Air Bag - Left</u>

F105R	Roof Rail Air Bag – Right	—	In the passenger compartment, along the right roof rail	• <u>Right Passenger Components (Extended Cab)</u> • <u>Right Passenger Components (Crew Cab)</u>	<u>F105R Roof Rail Air Bag - Right</u>
F106D	Seat Side Air Bag – Driver	—	In the passenger compartment, on the left side of the left front seat back	<u>Driver Seat Components</u>	<u>F106D Seat Side Air Bag - Driver</u>
F106P	Seat Side Air Bag – Passenger	—	In the passenger compartment, on the right side of the right front seat back	<u>Passenger Seat Components</u>	<u>F106P Seat Side Air Bag - Passenger</u>
F107	Steering Wheel Air Bag	—	In the passenger compartment, in the center of the steering wheel	<u>Steering Column Components</u>	• <u>F107 Steering Wheel Air Bag X1</u> • <u>F107 Steering Wheel Air Bag X2</u>
F112D	Seat Belt Retractor Pretensioner – Driver	43	In the passenger compartment, at the base of the left B—pillar	<u>Left Passenger Components (Crew Cab)</u>	<u>F112D Seat Belt Retractor Pretensioner - Driver</u>
F112D	Seat Belt Retractor Pretensioner – Driver	53	In the passenger compartment, at the lower front of the left rear door	<u>Left Rear Door Components (Extended Cab)</u>	<u>F112D Seat Belt Retractor Pretensioner - Driver</u>
F112P	Seat Belt Retractor Pretensioner – Passenger	43	In the passenger compartment, at the base of the right B—pillar	<u>Right Passenger Components (Crew Cab)</u>	<u>F112P Seat Belt Retractor Pretensioner - Passenger</u>
F112P	Seat Belt Retractor Pretensioner – Passenger	53	In the passenger compartment, at the lower front of the right rear door	<u>Right Rear Door Components (Extended Cab)</u>	<u>F112P Seat Belt Retractor Pretensioner - Passenger</u>
F113D	Seat Belt Anchor Pretensioner – Driver	43	In the passenger compartment, between driver seat and center console, attached to driver seat	<u>Driver Seat Components</u>	<u>F113D Seat Belt Anchor Pretensioner – Driver</u>
F113D	Seat Belt Anchor Pretensioner – Driver	53	In the passenger compartment, at the lower front of the left rear door	<u>Left Rear Door Components (Extended Cab)</u>	<u>F113D Seat Belt Anchor Pretensioner – Driver</u>
F113P	Seat Belt Anchor Pretensioner – Passenger	43	In the passenger compartment, between passenger seat and center console, attached to passenger seat	<u>Passenger Seat Components</u>	<u>F113P Seat Belt Anchor Pretensioner - Passenger</u>
F113P	Seat Belt Anchor Pretensioner – Passenger	53	In the passenger compartment, at the lower front of the right rear door	<u>Right Rear Door Components (Extended Cab)</u>	<u>F113P Seat Belt Anchor Pretensioner - Passenger</u>
G1	A/C Compressor	—	In the engine compartment, mounted on the lower front of the engine	• <u>Left Front of the Engine Components (LFX)</u> • <u>Left Front of the Engine Components (LCV)</u>	<u>G1 A/C Compressor</u>
G10	Cooling Fan Motor	—	At the front of the engine compartment, in the center of the fan assembly	—	—
G12	Fuel Pump	—	Under the vehicle, in the fuel tank, part of the fuel pump and level sensor assembly	—	—
G13	Generator	—	In the engine compartment, at the top left front of the engine	• <u>Right Rear of Engine Components (LFX)</u> • <u>Right Rear of Engine Components (LCV)</u>	<u>G13 Generator X1</u>
G18	High Pressure Fuel Pump	LCV	In the engine compartment, right of center, near rear, mounted to right side of cylinder head	<u>Right Rear of Engine Components (LCV)</u>	<u>G18 High Pressure Fuel Pump (LCV)</u>
G18	High Pressure Fuel Pump	LFX	In the engine compartment, left of center, rear, mounted to rear of bank 2 cylinder head	<u>Right Rear of Engine Components (LFX)</u>	<u>G18 High Pressure Fuel Pump (LFX)</u>

G24	Windshield Washer Pump	—	In the engine compartment, attached to the washer fluid reservoir	<u>Left Front of Engine Compartment Components</u>	<u>G24 Windshield Washer Pump</u>
K8	Blower Motor Control Module	—	In the passenger compartment, right side of the instrument panel, behind the glove box	<u>Below Right Side of the Instrument Panel Components</u>	<u>K8 Blower Motor Control Module</u>
K9	Body Control Module	—	In the passenger compartment, at the left side of the steering column	<u>Behind the Instrument Panel Components</u>	● <u>K9 Body Control Module X1</u> ● <u>K9 Body Control Module X2</u> ● <u>K9 Body Control Module X3</u> ● <u>K9 Body Control Module X4</u> ● <u>K9 Body Control Module X5</u> ● <u>K9 Body Control Module X6</u> ● <u>K9 Body Control Module X7</u>
K17	Electronic Brake Control Module	—	On vehicle underbody, near the rear of the transmission, on the left frame rail	● <u>Chassis Underbody Components (Extended Cab)</u> ● <u>Chassis Components (Crew Cab)</u>	<u>K17 Electronic Brake Control Module</u>
K20	Engine Control Module	—	In the engine compartment, to the right of the engine	—	● <u>K20 Engine Control Module X1</u> ● <u>K20 Engine Control Module X2</u> ● <u>K20 Engine Control Module X3</u>
K22	Cooling Fan Control Module	—	In the engine compartment, right of the engine, near radiator	<u>Radiator Assembly Components</u>	<u>K22 Cooling Fan Control Module X1</u>
K29	Seat Heating Control Module	KA1	In the passenger compartment, under the front of the passenger seat	<u>Passenger Seat Components</u>	● <u>K29 Seat Heating Control Module X1 (KA1)</u> ● <u>K29 Seat Heating Control Module X2 (KA1)</u>
K33	HVAC Control Module	—	In the passenger compartment, center of the Instrument Panel, behind the HVAC controls	<u>Behind the Instrument Panel Components</u>	● <u>K33 HVAC Control Module X1</u> ● <u>K33 HVAC Control Module X2</u> ● <u>K33 HVAC Control Module X3</u>
K36	Inflatable Restraint Sensing and Diagnostic Module	—	In the passenger compartment, under the center console	● <u>Left Passenger Components (Extended Cab)</u> ● <u>Left Passenger Components (Crew Cab)</u>	● <u>K36 Inflatable Restraint Sensing and Diagnostic Module X1</u> ● <u>K36 Inflatable Restraint Sensing and Diagnostic Module X2</u>
K38	Chassis Control Module	LFX	Under the vehicle, mounted to the bracket above the spare tire	● <u>Underbody Components (2 of 3)</u> ● <u>Chassis Components (Crew Cab)</u>	<u>K38 Chassis Control Module</u>
K43	Power Steering Control Module	—	On the underbody, on the power steering rack assembly	<u>Underbody Components (1 of 3)</u>	● <u>K43 Power Steering Control Module X1</u> ● <u>K43 Power Steering Control Module X2</u>

K69	Transfer Case Control Module	NQ6/NQ7	In the passenger compartment, under the instrument panel, behind glove box, right of the HVAC assembly	● <u>Right Passenger Components (Extended Cab)</u> ● <u>Right Passenger Components (Crew Cab)</u>	● <u>K69 Transfer Case Control Module X1 (NQ6/NQ7)</u> ● <u>K69 Transfer Case Control Module X2 (NQ6/NQ7)</u> ● <u>K69 Transfer Case Control Module X3 (NQ6/NQ7)</u>
K71	Transmission Control Module	MYB	Underneath the vehicle, inside the automatic transmission, part of the control solenoid valve assembly	<u>Transmission Components (MYB with NQ6/NQ7)</u>	—
K73	Telematics Communication Interface Control Module	UE1	In the passenger compartment, right side of the instrument panel, behind the glove box	● <u>Right Passenger Components (Extended Cab)</u> ● <u>Right Passenger Components (Crew Cab)</u>	● <u>K73 Telematics Communication Interface Control Module X1 (UE1)</u> ● <u>K73 Telematics Communication Interface Control Module X2 (UE1)</u> ● <u>K73 Telematics Communication Interface Control Module X5 (UE1)</u> ● <u>K73 Telematics Communication Interface Control Module X7 (UE1)</u>
K74	Human Machine Interface Control Module	IO5/IO6	In the passenger compartment, center of the instrument panel, behind the radio buttons	<u>Behind the Instrument Panel Components</u>	● <u>K74 Human Machine Interface Control Module X1</u> ● <u>K74 Human Machine Interface Control Module X2</u> ● <u>K74 Human Machine Interface Control Module X4</u>
K77	Remote Control Door Lock Receiver	—	In the passenger compartment, above the right rear of the headliner	● <u>Headliner Components (Extended Cab)</u> ● <u>Headliner Components (Crew Cab)</u>	<u>K77 Remote Control Door Lock Receiver</u>
K85	Passenger Presence Module	AL0	In the passenger compartment, under the front of the front passenger seat cushion	<u>Passenger Seat Components</u>	<u>K85 Passenger Presence Module</u>
K89	Immobilizer Control Module	—	In the passenger compartment, on the driver side, near the ignition cylinder	<u>Front of the Instrument Panel Components</u>	<u>K89 Immobilizer Control Module</u>
K109	Frontview Camera Module	UFL/UEU	In the passenger compartment, behind the inside rearview mirror	● <u>Headliner Components (Extended Cab)</u> ● <u>Headliner Components (Crew Cab)</u>	<u>K109 Frontview Camera Module (UFL/UEU)</u>
K111	Fuel Pump Driver Control Module	LCV	Under the vehicle, mounted to the bracket above the spare tire	<u>Underbody Components (2 of 3)</u>	<u>K111 Fuel Pump Driver Control Module (LCV)</u>
M4	Air Inlet Door Actuator	—	In the passenger compartment, behind the instrument panel glove box	<u>HVAC Assembly Components</u>	<u>M4 Air Inlet Door Actuator</u>
M6	Air Temperature Door Actuator	—	In the passenger compartment, part of HVAC module, behind the instrument panel	<u>HVAC Assembly Components</u>	<u>M6 Air Temperature Door Actuator</u>
M7	Transmission Shift Lock Control Solenoid Actuator	MYB	In the passenger compartment, center near front, on the shift lever within floor console	—	—
M9	Brake Booster Pump Motor	LFX	In the engine compartment, near front, right of center, mounted to the front of bank 1 cylinder head	<u>Right Bottom of Engine Components (LFX)</u>	<u>M9 Brake Booster Pump Motor (LFX)</u>

M26	Front Axle Engagement Actuator	NQ6/NQ7	Under the vehicle, on the rear of the transfer case	<u>Underbody Components (1 of 3)</u>	<u>M26 Front Axle Engagement Actuator (NQ6/NQ7)</u>
M37	Mode Door Actuator	—	In the passenger compartment, behind the instrument panel, on the upper left side of the HVAC module	<u>HVAC Assembly Components</u>	<u>M37 Mode Door Actuator</u>
M38	Power Steering Motor	—	Under the vehicle, part of the steering gear assembly	—	—
M51D	Seat Horizontal Motor – Driver	AH6	In the passenger compartment, under the center of the driver seat, between the seat tracks	<u>Driver Seat Components</u>	<u>M51D Seat Horizontal Motor – Driver (AH6)</u>
M51P	Seat Horizontal Motor – Passenger	AAQ	In the passenger compartment, under the center of the passenger seat, between the seat tracks	<u>Passenger Seat Components</u>	<u>M51P Seat Horizontal Motor - Passenger (AAQ)</u>
M52D	Seat Lumbar Support Horizontal Motor – Driver	AL9	In the passenger compartment, part of the driver seat back	<u>Driver Seat Back Components</u>	<u>M52D Seat Lumbar Support Horizontal Motor - Driver (AL9)</u>
M52P	Seat Lumbar Support Horizontal Motor – Passenger	AAQ	In the passenger compartment, part of the passenger seat back	<u>Passenger Seat Back Components</u>	<u>M52P Seat Lumbar Support Horizontal Motor - Passenger (AAQ)</u>
M55D	Seat Rear Vertical Motor – Driver	AH6	In the passenger compartment, under the front of the driver seat, next to the left seat track	<u>Driver Seat Components</u>	<u>M55D Seat Rear Vertical Motor - Driver (AH6)</u>
M55P	Seat Rear Vertical Motor – Passenger	AAQ	In the passenger compartment, under the front of the passenger seat, next to the left seat track	<u>Passenger Seat Components</u>	<u>M55P Seat Rear Vertical Motor - Passenger (AAQ)</u>
M64	Starter Motor	LCV	In the engine compartment, lower right rear of the engine	<u>Right Rear of Engine Components (LCV)</u>	<u>M64 Starter Motor X1 (LCV)</u>
M64	Starter Motor	LFX	In the engine compartment, lower left rear of the engine	<u>Left Front of the Engine Components (LFX)</u>	<u>M64 Starter Motor X1 (LFX)</u>
M74D	Window Motor – Driver	AXG	In the passenger compartment, behind the driver door trim panel, at the center of the door	<u>Driver Door Components</u>	<u>M74D Window Motor - Driver</u>
M74LR	Window Motor – Left Rear	AXG	In the passenger compartment, center of the left rear door, behind the door trim panel	<u>Left Rear Door Components (Crew Cab)</u>	<u>M74LR Window Motor - Left Rear (Crew Cab)</u>
M74P	Window Motor – Passenger	AXG	In the passenger compartment, behind the front passenger door trim panel, at the center of the door	<u>Passenger Door Components</u>	<u>M74P Window Motor - Passenger</u>
M74RR	Window Motor – Right Rear	AXG	In the passenger compartment, center of the right rear door, behind the door trim panel	<u>Right Rear Door Components (Crew Cab)</u>	<u>M74RR Window Motor - Right Rear (Crew Cab)</u>
M75	Windshield Wiper Motor	—	At the left rear of the engine compartment, near the windshield	<u>Left Side of Engine Compartment Components (1 of 2)</u>	<u>M75 Windshield Wiper Motor</u>
M77D	Outside Rearview Mirror Motor – Driver	DL6/DL9	Outside of the vehicle, on driver door, part of outside rearview mirror	—	<u>M77D Outside Rearview Mirror Motor - Driver (DL6/DL9)</u>
M77P	Outside Rearview Mirror Motor – Passenger	DL6/DL9	Outside of the vehicle, on passenger door, part of outside rearview mirror	—	<u>M77P Outside Rearview Mirror Motor - Passenger (DL6/DL9)</u>
M93	Key Capture Solenoid Actuator	MYB	In the passenger compartment, left front of instrument panel, attached to the right side of steering column	<u>Front of the Instrument Panel Components</u>	<u>M93 Key Capture Solenoid Actuator (MYB)</u>
M96	Active Grille Air Shutter Actuator	LCV	At front of the vehicle, center, behind upper grille	—	<u>M96 Active Grille Air Shutter Actuator (LCV)</u>
M96	Active Grille Air Shutter Actuator	LFX	At front of the vehicle, center, behind upper grille	—	<u>M96 Active Grille Air Shutter Actuator (LFX)</u>

P2	Transmission Shift Lever Position Indicator	MYB	In the passenger compartment, center, near front, at top of floor console, near the shift lever	<u>Center Console Components (MYB)</u>	<u>P2 Transmission Shift Lever Position Indicator (MYB)</u>
P7	Display	—	In the passenger compartment, front center, mounted to instrument panel, part of info display module	—	—
P9	Driver Information Center Display	—	In the passenger compartment, left center, mounted to instrument panel, part of instrument cluster	—	—
P13	Horn Assembly	—	In the engine compartment, lower left corner of the radiator support	<u>Right Front of Engine Compartment Components</u>	<u>P13 Horn Assembly</u>
P14	Passenger Air Bag Disabled Indicator	—	In the passenger compartment, center of the overhead console	● <u>Headliner Components (Crew Cab)</u> ● <u>Headliner Components (Extended Cab)</u>	<u>P14 Passenger Air Bag Disabled Indicator</u>
P16	Instrument Cluster	—	In the passenger compartment, at the top of the driver side of the instrument panel, above the steering column	<u>Front of the Instrument Panel Components</u>	<u>P16 Instrument Cluster</u>
P17	Info Display Module	—	In the passenger compartment, at the top center of the instrument panel, above the radio controls	● <u>Behind the Instrument Panel Components</u> ● <u>Front of the Instrument Panel Components</u>	● <u>P17 Info Display Module X1</u> ● <u>P17 Info Display Module X3</u>
P19AC	Speaker – Subwoofer	UQA	In the passenger compartment, under the instrument panel, forward of the center console	—	<u>P19B Speaker - Center Instrument Panel (UQA)</u>
P19AG	Speaker – Left Front Door	—	In the passenger compartment, at the front of the left front door, behind the door trim panel	<u>Driver Door Components</u>	<u>P19AG Speaker - Left Front Door</u>
P19AH	Speaker – Right Front Door	—	In the passenger compartment, at the front of the right front door, behind the door trim panel	<u>Passenger Door Components</u>	<u>P19AH Speaker - Right Front Door</u>
P19AL	Speaker – Left Rear Door	—	In the passenger compartment, in the lower left rear door, behind the door panel	● <u>Left Rear Door Components (Extended Cab)</u> ● <u>Left Rear Door Components (Crew Cab)</u>	<u>P19AL Speaker - Left Rear Door</u>
P19AM	Speaker – Right Rear Door	—	In the passenger compartment, in the lower right rear door, behind the door panel	● <u>Right Rear Door Components (Extended Cab)</u> ● <u>Right Rear Door Components (Crew Cab)</u>	● <u>P19AM Speaker - Right Rear Door (LWB)</u> ● <u>P19AM Speaker - Right Rear Door (SWB)</u>
P19H	Speaker – Left Front Tweeter	—	In the passenger compartment, in the upper left of the instrument panel	—	● <u>P19H Speaker - Left Front Tweeter (UQA)</u> ● <u>P19H Speaker - Left Front Tweeter (UQ3)</u>
P19V	Speaker – Right Front Tweeter	—	In the passenger compartment, in the upper right of the instrument panel	—	● <u>P19V Speaker - Right Front Tweeter (UQA)</u> ● <u>P19V Speaker - Right Front Tweeter (UQ3)</u>
P43	Collision Alert Indicators	UEU	In the passenger compartment, behind the upper left of the instrument panel, above the instrument cluster	—	<u>P43 Collision Alert Indicators (UEU)</u>

Q2	A/C Compressor Clutch	C67/C68	In the engine compartment, on the right front of the engine	• <u>Left Front of the Engine Components (LFX)</u> • <u>Left Front of the Engine Components (LCV)</u>	<u>Q2 A/C Compressor Clutch</u>
Q5	Brake Pressure Modulator	—	In the engine compartment, right rear, behind strut tower, attached to the electronic brake control module	—	—
Q6A	Camshaft Position Actuator Solenoid Valve – Bank 1 Exhaust	LFX	In the engine compartment, near front, right of center, below of the bank 1 exhaust camshaft position sensor	<u>Left Front of the Engine Components (LFX)</u>	<u>Q6A Camshaft Position Actuator Solenoid Valve - Bank 1 Exhaust (LFX)</u>
Q6B	Camshaft Position Actuator Solenoid Valve – Bank 1 Intake	LFX	In the engine compartment, near front, right of center, between the bank 1 camshaft position sensors	<u>Left Front of the Engine Components (LFX)</u>	<u>Q6B Camshaft Position Actuator Solenoid Valve - Bank 1 Intake (LFX)</u>
Q6C	Camshaft Position Actuator Solenoid Valve – Bank 2 Exhaust	LFX	In the engine compartment, near front, left of center, below of the bank 2 exhaust camshaft position sensor	<u>Left Front of the Engine Components (LFX)</u>	<u>Q6C Camshaft Position Actuator Solenoid Valve - Bank 2 Exhaust (LFX)</u>
Q6D	Camshaft Position Actuator Solenoid Valve – Bank 2 Intake	LFX	In the engine compartment, near front, left of center, between the bank 2 camshaft position sensors	<u>Left Front of the Engine Components (LFX)</u>	<u>Q6D Camshaft Position Actuator Solenoid Valve - Bank 2 Intake (LFX)</u>
Q6E	Camshaft Position Actuator Solenoid Valve – Exhaust	LCV	In the engine compartment, front, left of center, mounted to camshaft cover on left side	<u>Left Front of the Engine Components (LCV)</u>	<u>Q6E Camshaft Position Actuator Solenoid Valve - Exhaust (LCV)</u>
Q6F	Camshaft Position Actuator Solenoid Valve – Intake	LCV	In the engine compartment, front, right of center, mounted to camshaft cover on right side	<u>Top of Engine Components (LCV)</u>	<u>Q6F Camshaft Position Actuator Solenoid Valve - Intake (LCV)</u>
Q8	Control Solenoid Valve Assembly	MYB	Underneath the vehicle, inside the automatic transmission assembly	—	• <u>Q8 Control Solenoid Valve Assembly X1 (MYB)</u> • <u>Q8 Control Solenoid Valve Assembly X2 (MYB)</u> • <u>Q8 Control Solenoid Valve Assembly X3 (MYB)</u>
Q12	Evaporative Emission Purge Solenoid Valve	LCV	In the engine compartment, right of center, near front, mounted to top of intake manifold	<u>Right Rear of Engine Components (LCV)</u>	<u>Q12 Evaporative Emission Purge Solenoid Valve (LCV)</u>
Q12	Evaporative Emission Purge Solenoid Valve	LFX	In the engine compartment, right of center, near middle, mounted to right side of intake manifold	<u>Right Rear of Engine Components (LFX)</u>	<u>Q12 Evaporative Emission Purge Solenoid Valve (LFX)</u>
Q13	Evaporative Emission Vent Solenoid Valve	—	On the underbody, at the top left side of the fuel tank	<u>Chassis Components (Crew Cab)</u>	<u>Q13 Evaporative Emission Vent Solenoid Valve</u>
Q17A	Fuel Injector 1	LCV	In the engine compartment, right of center, near front, mounted to the cylinder head at cylinder 1	—	<u>Q17A Fuel Injector 1 (LCV)</u>
Q17A	Fuel Injector 1	LFX	In the engine compartment, near middle front, on the inboard side of bank 1 cylinder head, above cylinder 1	—	<u>Q17A Fuel Injector 1 (LFX)</u>
Q17B	Fuel Injector 2	LCV	In the engine compartment, right of center, near middle, mounted to the cylinder head at cylinder 2	—	<u>Q17B Fuel Injector 2 (LCV)</u>
Q17B	Fuel Injector 2	LFX	In the engine compartment, near middle front, on the inboard side of bank 2 cylinder head, above cylinder 2	—	<u>Q17B Fuel Injector 2 (LFX)</u>

Q17C	Fuel Injector 3	LCV	In the engine compartment, right of center, near middle, mounted to the cylinder head at cylinder 3	—	<u>Q17C Fuel Injector 3 (LCV)</u>
Q17C	Fuel Injector 3	LFX	In the engine compartment, near middle, on the inboard side of bank 1 cylinder head, above cylinder 3	—	<u>Q17C Fuel Injector 3 (LFX)</u>
Q17D	Fuel Injector 4	LCV	In the engine compartment, right of center, near rear, mounted to the cylinder head at cylinder 4	—	<u>Q17D Fuel Injector 4 (LCV)</u>
Q17D	Fuel Injector 4	LFX	In the engine compartment, near middle, on the inboard side of bank 2 cylinder head, above cylinder 4	—	<u>Q17D Fuel Injector 4 (LFX)</u>
Q17E	Fuel Injector 5	LFX	In the engine compartment, near middle rear, on the inboard side of bank 1 cylinder head, above cylinder 5	—	<u>Q17E Fuel Injector 5 (LFX)</u>
Q17F	Fuel Injector 6	LFX	In the engine compartment, near middle rear, on the inboard side of bank 2 cylinder head, above cylinder 6	—	<u>Q17F Fuel Injector 6 (LFX)</u>
Q27A	Pressure Control Solenoid Valve 1	MYB	Under the vehicle, inside the automatic transmission, part of the control solenoid valve assembly	—	—
Q27B	Pressure Control Solenoid Valve 2	MYB	Under the vehicle, inside the automatic transmission, part of the control solenoid valve assembly	—	—
Q27C	Pressure Control Solenoid Valve 3	MYB	Under the vehicle, inside the automatic transmission, part of the control solenoid valve assembly	—	—
Q27D	Pressure Control Solenoid Valve 4	MYB	Under the vehicle, inside the automatic transmission, part of the control solenoid valve assembly	—	—
Q27E	Pressure Control Solenoid Valve 5	MYB	Under the vehicle, inside the automatic transmission, part of the control solenoid valve assembly	—	—
Q32A	Shift Solenoid Valve 1	MYB	Under the vehicle, inside the automatic transmission, part of the control solenoid valve assembly	—	—
Q32B	Shift Solenoid Valve 2	MYB	Under the vehicle, inside the automatic transmission, part of the control solenoid valve assembly	—	—
Q38	Throttle Body	LCV	In the engine compartment, right of center, near front, mounted to front of intake manifold	<u>Top of Engine Components (LCV)</u>	<u>Q38 Throttle Body</u>
Q38	Throttle Body	LFX	In the engine compartment, center, near front, mounted to front of intake manifold	<u>Left Front of the Engine Components (LFX)</u>	<u>Q38 Throttle Body</u>
Q39A	Torque Converter Clutch Pressure Control Solenoid Valve	MYB	Under the vehicle, inside the automatic transmission, part of the control solenoid valve assembly	—	—
Q44	Engine Oil Pressure Control Solenoid Valve	LCV	In the engine compartment, left of center rear, mounted to engine block at lower left	<u>Right Rear of Engine Components (LCV)</u>	<u>Q44 Engine Oil Pressure Control Solenoid Valve (LCV)</u>

Q46	A/C Compressor Solenoid Valve	—	In the engine compartment, front, left of center, mounted to A/C compressor, at rear	—	—
R6A	Terminating Resistor – High Speed Bus	LFX	Under the vehicle, taped in the harness near the chassis control module	● <u>Chassis Components (Crew Cab)</u> ● <u>Underbody Components (3 of 3)</u> ● <u>Chassis Underbody Components (Extended Cab)</u>	<u>R6A Terminating Resistor - High Speed Bus (LFX)</u>
S2A	Transmission Manual Shift Switch – Up/Down	MYB	In the passenger compartment, part of the transmission shift lever	—	—
S3	Transmission Shift Lever	MYB	In the passenger compartment, center near front, within the floor console	<u>Center Console Components (MYB)</u>	<u>S3 Transmission Shift Lever (MYB)</u>
S13D	Door Lock Switch – Driver	ATG	On driver door, upper middle, forward of release handle	<u>Driver Door Components</u>	<u>S13D Door Lock Switch - Driver</u>
S13P	Door Lock Switch – Passenger	ATG	On passenger door, upper middle, forward of release handle	<u>Passenger Door Components</u>	<u>S13P Door Lock Switch - Passenger</u>
S30	Headlamp Switch	—	In the passenger compartment, left of the steering column	<u>Front of the Instrument Panel Components</u>	<u>S30 Headlamp Switch</u>
S32D	Seat Heating Switch – Driver	KA1	In the passenger compartment, at the lower center of the instrument panel, below the HVAC controls	<u>Front of the Instrument Panel Components</u>	<u>S32D Seat Heating Switch - Driver (KA1)</u>
S32P	Seat Heating Switch – Passenger	KA1	In the passenger compartment, at the lower center of the instrument panel, below the HVAC controls	<u>Front of the Instrument Panel Components</u>	<u>S32P Seat Heating Switch - Passenger (KA1)</u>
S33	Horn Switch	—	In the passenger compartment, in the center of the steering wheel, behind the driver side air bag	—	—
S39	Ignition Switch	—	In the passenger compartment, behind the steering wheel, on the right side of the steering column	<u>Front of the Instrument Panel Components</u>	<u>S39 Ignition Switch</u>
S48A	Multifunction Switch – Instrument Panel	—	In the passenger compartment, near the center of the instrument panel	<u>Front of the Instrument Panel Components</u>	<u>S48A Multifunction Switch – Instrument Panel</u>
S51	Telematics Button Assembly	—	In the passenger compartment, part of the inside rearview mirror	—	—
S52	Outside Rearview Mirror Switch	—	In the passenger compartment, on the driver door trim panel	<u>Driver Door Components</u>	<u>S52 Outside Rearview Mirror Switch (DL6/DL9)</u>
S64D	Seat Adjuster Switch – Driver	AL9	In the passenger compartment, mounted to the outboard side of the driver seat cushion	<u>Driver Seat Components</u>	● <u>S64D Seat Adjuster Switch – Driver X1 (AL9)</u> ● <u>S64D Seat Adjuster Switch – Driver X2 (AL9)</u>
S64P	Seat Adjuster Switch – Passenger	AAQ	In the passenger compartment, mounted to the outboard side of the passenger seat cushion	<u>Passenger Seat Components</u>	● <u>S64P Seat Adjuster Switch - Passenger X1 (AAQ)</u> ● <u>S64P Seat Adjuster Switch - Passenger X2 (AAQ)</u>
S70E	Steering Wheel Controls Switch – Radio Presets	W1Y	In the passenger compartment, on the left rear side of the steering wheel	<u>Steering Column Components</u>	<u>S70E Steering Wheel Controls Switch - Radio Presets (W1Y)</u>

S70F	Steering Wheel Controls Switch – Radio Volume	W1Y	In the passenger compartment, on the right rear side of the steering wheel	<u>Steering Column Components</u>	<u>S70F Steering Wheel Controls Switch - Radio Volume (W1Y)</u>
S70L	Steering Wheel Controls Switch – Left	—	In the passenger compartment, on the left side of the steering wheel	<u>Steering Column Components</u>	<u>S70L Steering Wheel Controls Switch - Left</u>
S70R	Steering Wheel Controls Switch – Right	—	In the passenger compartment, on the right side of the steering wheel	<u>Steering Column Components</u>	<u>S70R Steering Wheel Controls Switch - Right</u>
S77	Transfer Case Shift Control Switch	NQ6/NQ7	In the passenger compartment, left of the steering column	<u>Front of the Instrument Panel Components</u>	<u>S77 Transfer Case Shift Control Switch (NQ6/NQ7)</u>
S78	Turn Signal/Multifunction Switch	—	In the passenger compartment, on the left side of the steering column	<u>Front of the Instrument Panel Components</u>	<u>S78 Turn Signal/Multifunction Switch</u>
S79D	Window Switch – Driver	AXG	In the passenger compartment, on the driver door trim panel, center of the door	<u>Driver Door Components</u>	<u>S79D Window Switch - Driver (AXG)</u>
S79LR	Window Switch – Left Rear	AXG	In the passenger compartment, at the center of the left rear door, on the door trim panel	<u>Left Rear Door Components (Crew Cab)</u>	<u>S79LR Window Switch - Left Rear (Crew Cab with AXG)</u>
S79P	Window Switch – Passenger	AXG	In the passenger compartment, on the passenger door trim panel, center of the door	<u>Passenger Door Components</u>	<u>S79P Window Switch - Passenger (AXG)</u>
S79RR	Window Switch – Right Rear	AXG	In the passenger compartment, at the center of the right rear door, on the door trim panel	<u>Right Rear Door Components (Crew Cab)</u>	<u>S79RR Window Switch - Right Rear (Crew Cab with AXG)</u>
S82	Windshield Wiper/Washer Switch	—	In the passenger compartment, on the right side of the steering column	<u>Front of the Instrument Panel Components</u>	<u>S82 Windshield Wiper/Washer Switch</u>
T3	Audio Amplifier	UQA	In the rear passenger compartment, mounted behind the glove box	<u>Behind the Instrument Panel Components</u>	• <u>T3 Audio Amplifier X1 (UQA)</u> • <u>T3 Audio Amplifier X2 (UQA)</u> • <u>T3 Audio Amplifier X3 (UQA)</u> • <u>T3 Audio Amplifier X4 (UQA)</u>
T4G	Cellular Phone, Navigation, and Digital Radio Antenna	IO4/IO5/IO6	Outside the vehicle, at the rear of the roof	<u>Rear of Vehicle Components</u>	<u>T4G Cellular Phone, Navigation, and Digital Radio Antenna (UE1)</u>
T4H	Digital Radio Antenna	U2M	Outside the vehicle, at the rear of the roof	—	<u>T4H Digital Radio Antenna (U2M)</u>
T4M	Radio Antenna	—	Outside the vehicle, at the rear of the roof	—	<u>T4M Radio Antenna (Without U2M)</u>
T4S	Wireless Communication Antenna – Bluetooth	UE1	In the passenger compartment, right side of the instrument panel, behind the glove box, attached to the telematics communication interface control module	—	—
T8A	Ignition Coil 1	LCV	In the engine compartment, center near front, mounted to cylinder head, above cylinder 1	<u>Top of Engine Components (LCV)</u>	<u>T8A Ignition Coil 1 (LCV)</u>
T8A	Ignition Coil 1	LFX	In the engine compartment, right of center, near middle, above cylinder 1	<u>Top of Engine Components (LFX)</u>	<u>T8A Ignition Coil 1 (LFX)</u>
T8B	Ignition Coil 2	LCV	In the engine compartment, center near middle, mounted to cylinder head, above cylinder 2	<u>Top of Engine Components (LCV)</u>	<u>T8B Ignition Coil 2 (LCV)</u>
T8B	Ignition Coil 2	LFX	In the engine compartment, left of center, near middle, above cylinder 2	<u>Top of Engine Components (LFX)</u>	<u>T8B Ignition Coil 2 (LFX)</u>
T8C	Ignition Coil 3	LCV	In the engine compartment, center near middle, mounted to cylinder head, above cylinder 3	<u>Top of Engine Components (LCV)</u>	<u>T8C Ignition Coil 3 (LCV)</u>

T8C	Ignition Coil 3	LFX	In the engine compartment, right of center, near middle, above cylinder 3	<u>Top of Engine Components (LFX)</u>	<u>T8C Ignition Coil 3 (LFX)</u>
T8D	Ignition Coil 4	LCV	In the engine compartment, center near rear, mounted to cylinder head, above cylinder 4	<u>Top of Engine Components (LCV)</u>	<u>T8D Ignition Coil 4 (LCV)</u>
T8D	Ignition Coil 4	LFX	In the engine compartment, left of center, near middle, above cylinder 4	<u>Top of Engine Components (LFX)</u>	<u>T8D Ignition Coil 4 (LFX)</u>
T8E	Ignition Coil 5	LFX	In the engine compartment, right of center, near rear, above cylinder 5	<u>Top of Engine Components (LFX)</u>	<u>T8E Ignition Coil 5 (LFX)</u>
T8F	Ignition Coil 6	LFX	In the engine compartment, left of center, near rear, above cylinder 6	<u>Top of Engine Components (LFX)</u>	<u>T8F Ignition Coil 6 (LFX)</u>
T12	Automatic Transmission Assembly	MYB	Underneath the vehicle	—	—
T15	Navigation Antenna Signal Splitter	IO6	In the passenger compartment, to the right of the glove box	• <u>Right Passenger Components (Extended Cab)</u> • <u>Right Passenger Components (Crew Cab)</u>	• <u>T15 Navigation Antenna Signal Splitter X1 (IO6)</u> • <u>T15 Navigation Antenna Signal Splitter X2 (IO6)</u> • <u>T15 Navigation Antenna Signal Splitter X3 (IO6)</u>
W8	Blunt Cut – Trailer Provision	—	Outside of the vehicle, at the rear, inboard of the left frame rail	—	—
X50A	Fuse Block – Underhood	—	In the engine compartment, top left near the inner fender	<u>Left Side of Engine Compartment Components (1 of 2)</u>	Electrical Center Identification Views
X50D	Fuse Block – Battery	—	In the engine compartment, top right near the inner fender	<u>Left Side of Engine Compartment Components (1 of 2)</u>	Electrical Center Identification Views
X51A	Fuse Block – Instrument Panel	—	In the passenger compartment, right side of the instrument panel, behind side trim panel	• <u>Right Passenger Components (Extended Cab)</u> • <u>Right Passenger Components (Crew Cab)</u>	Electrical Center Identification Views
X80A	Accessory Power Receptacle – Center Console 1	—	In the passenger compartment, at the forward left of the center console	• <u>Center Console Components (N8D)</u> • <u>Front of the Instrument Panel Components</u>	<u>X80A Accessory Power Receptacle - Center Console 1</u>
X80B	Accessory Power Receptacle – Center Console 2	—	In the passenger compartment, at the rear of the center console	• <u>Center Console Components (MYB)</u> • <u>Center Console Components (N8D)</u>	<u>X80B Accessory Power Receptacle - Center Console 2</u>
X83	Auxiliary Audio Input	IO3	In the passenger compartment, in the center console	<u>Front of the Instrument Panel Components</u>	• <u>X83 Auxiliary Audio Input X1</u> • <u>X83 Auxiliary Audio Input X2</u>
X83	Auxiliary Audio Input	IO4/IO5/IO6	In the passenger compartment, in center of instrument Panel, forward of the center floor console	<u>Front of the Instrument Panel Components</u>	<u>X83 Auxiliary Audio Input X1</u>

X83R	Auxiliary Audio Input – Rear	IO4/IO5/IO6	In the passenger compartment, at the rear of the center console	<u>Center Console Components (MYB)</u>	● <u>X83R Auxiliary Audio Input - Rear X1 (IO4/IO5/IO6 with MYB)</u> ● <u>X83R Auxiliary Audio Input - Rear X2 (IO4/IO5/IO6 with MYB)</u> ● <u>X83R Auxiliary Audio Input - Rear X3 (IO4/IO5/IO6 with MYB)</u>
X84	Data Link Connector	—	In the passenger compartment, at the bottom of the driver side of the instrument panel	—	<u>X84 Data Link Connector</u>
X85	Steering Wheel Air Bag Coil	—	In the passenger compartment, behind the steering wheel	—	● <u>X85 Steering Wheel Air Bag Coil X1</u> ● <u>X85 Steering Wheel Air Bag Coil X2</u> ● <u>X85 Steering Wheel Air Bag Coil X3</u>
X88	Trailer Connector	Z82	On the vehicle exterior, at the rear of the vehicle, left of the license plate	<u>Underbody Components (3 of 3)</u>	<u>X88 Trailer Connector (Z82)</u>
X92	USB Receptacle	IO4/IO5/IO6	In the passenger compartment, right front of the center console storage bin	● <u>Center Console Components (N8D)</u> ● <u>Center Console Components (MYB)</u>	<u>X92 USB Receptacle</u>
X100	Power Steering Jumper Harness to Battery Harness (2 cavities)	—	Outside of the vehicle, left front of the front frame crossmember	—	<u>X100 Electric Power Steering Harness to Battery Negative Harness</u>
X101	Engine Harness to Body Harness (48 cavities)	—	In the engine compartment, left front of engine, near underhood fuse block	● <u>Body Harness Routing - Left Engine Compartment</u> ● <u>Engine Harness Routing - Left Front (LCV)</u>	<u>X101 Engine Harness to Body Harness</u>
X102	Forward Lamp Harness to Body Harness (48 cavities)	—	In the engine compartment, left front, near left headlamp assembly	● <u>Forward Lamp Harness Routing - Left Engine Compartment</u> ● <u>Body Harness Routing - Left Engine Compartment</u>	<u>X102 Forward Lamp Harness to Body Harness</u>
X103	Chassis Harness to Power Steering Jumper Harness (16 cavities)	—	Outside of the vehicle, left front of the front frame crossmember	● <u>Chassis Harness Routing (Crew Cab)</u> ● <u>Chassis Harness Routing (Extended Cab)</u>	<u>X103 Chassis Harness to Electric Power Steering Harness</u>
X104	Forward Lamp Harness to Forward Lamp Jumper Harness (2 cavities)	—	In the engine compartment, left front, near left radiator support	<u>Forward Lamp Harness Routing - Left Engine Compartment</u>	<u>X104 Forward Lamp Harness to Forward Lamp Extension Harness (LCV)</u>
X105	Forward Lamp Harness to Ambient Temperature Sensor Jumper Harness (6 cavities)	—	Outside of the vehicle, forward of left radiator support on front impact bar	<u>Forward Lamp Harness Routing - Left Engine Compartment</u>	● <u>X105 Forward Lamp Harness to Jumper Harness (LCV)</u> ● <u>X105 Forward Lamp Harness to Jumper Harness (LFX)</u>
X106	Chassis Harness to Body Harness (48 cavities)	—	In the engine compartment, left of engine, near battery	<u>Body Harness Routing - Left Engine Compartment</u>	<u>X106 Body Harness to Chassis Harness</u>
X110	Forward Lamp Harness to Left Headlamp Harness (6 cavities)	—	In the engine compartment, at the rear of the left headlamp assembly	<u>Forward Lamp Harness Routing - Left Engine Compartment</u>	<u>X110 Forward Lamp Harness to Left Front Lamp Harness</u>
X120	Forward Lamp Harness to Right Headlamp Harness (6 cavities)	—	In the engine compartment, at the rear of the right headlamp assembly	<u>Forward Lamp Harness Routing - Right Engine Compartment</u>	<u>X120 Forward Lamp Harness to Right Front Lamp Harness</u>

X160	Engine Harness to Fuel Injector Harness (12 cavities)	LCV	In the engine compartment, right of center, forward of middle, mounted to intake manifold	<u>Engine Harness Routing - Right Front Top (LCV)</u>	<u>X160 Engine Harness to Fuel Injector Rail Harness (LCV)</u>
X160	Engine Harness to Fuel Injector Harness (6 cavities)	LFX	In the engine compartment, rear, right of center, behind bank 1 camshaft cover	<u>Engine Harness Routing - Rear (LFX)</u>	<u>X160 Engine Harness to Fuel Injector Rail Harness (LFX)</u>
X161	Engine Harness to Even Fuel Injector Harness (12 cavities)	LFX	In the engine compartment, rear, right of center, behind bank 1 camshaft cover	<u>Engine Harness Routing - Rear (LFX)</u>	<u>X161 Engine Harness to Fuel Injector Rail Harness (LFX)</u>
X200	Body Harness to Instrument Panel Harness (48 cavities)	—	In the passenger compartment, left side of the instrument panel, behind side trim panel near floor	• <u>Instrument Panel Harness Routing - Rear</u> • <u>Body Harness Routing - Left Front of Passenger Compartment (Crew Cab)</u> • <u>Body Harness Routing - Left Front of Passenger Compartment (Extended Cab)</u>	<u>X200 Body Harness to Instrument Panel Harness</u>
X202	Body Harness to Instrument Panel Harness (44 cavities)	—	In the passenger compartment, left side of the instrument panel, behind side trim panel near floor	• <u>Body Harness Routing - Left Front of Passenger Compartment (Extended Cab)</u> • <u>Body Harness Routing - Left Front of Passenger Compartment (Crew Cab)</u> • <u>Instrument Panel Harness Routing - Rear</u>	<u>X202 Body Harness to Instrument Panel Harness</u>
X203	Instrument Panel Harness to Body Harness (48 cavities)	—	In the passenger compartment, right side of the instrument panel, below instrument panel fuse block, behind side trim panel	• <u>Instrument Panel Harness Routing - Rear</u> • <u>Body Harness Routing - Right Front of Passenger Compartment (Extended Cab)</u> • <u>Body Harness Routing - Right Front of Passenger Compartment (Crew Cab)</u>	<u>X203 Body Harness to Instrument Panel Harness</u>
X204	Instrument Panel Harness to Floor Console Harness (14 cavities)	—	In the passenger compartment, left of center, beneath the instrument panel	• <u>Instrument Panel Harness Routing - Rear</u> • <u>Center Console Harness Routing</u>	<u>X305 Instrument Panel Harness to Floor Console Harness</u>
X205	Instrument Panel Harness to Floor Console Harness (8 cavities)	MYB	In the passenger compartment, right of center, beneath the instrument panel	<u>Center Console Harness Routing</u>	<u>X306 Instrument Panel Harness to Floor Console Harness (MYB)</u>
X206	HVAC Harness to Instrument Panel Harness (2 cavities)	C68	In the passenger compartment, left of center, near left side of HVAC Assembly	<u>Instrument Panel Harness Routing - Rear</u>	<u>X206 Instrument Panel Harness to HVAC Harness (C68)</u>
X218	Body Harness to Instrument Panel Harness (COAX)	U2M	In the passenger compartment, right side of the instrument panel, below instrument panel fuse block, behind side trim panel	• <u>Body Harness Routing - Right Front of Passenger Compartment (Extended Cab)</u> • <u>Body Harness Routing - Right Front of Passenger Compartment (Crew Cab)</u> • <u>Instrument Panel Harness Routing - Rear</u>	<u>X218 Instrument Panel COAX Harness to Body COAX Harness</u>

X219	Body Harness to Instrument Panel Harness (COAX)	Except U2M	In the passenger compartment, right side of the instrument panel, below instrument panel fuse block, behind side trim panel	● <u>Body Harness Routing - Right Front of Passenger Compartment (Crew Cab)</u> ● <u>Instrument Panel Harness Routing - Rear</u> ● <u>Body Harness Routing - Right Front of Passenger Compartment (Extended Cab)</u>	<u>X219 Instrument Panel Harness to Body Harness</u>
X220	Body Harness to Instrument Panel Harness (COAX)	IO6	In the passenger compartment, right side of the instrument panel, below instrument panel fuse block, behind side trim panel	● <u>Instrument Panel Harness Routing - Rear</u> ● <u>Body Harness Routing - Right Front of Passenger Compartment (Crew Cab)</u> ● <u>Body Harness Routing - Right Front of Passenger Compartment (Extended Cab)</u>	<u>X220 Instrument Panel Harness to Body Harness</u>
X300	Headliner Harness to Body Harness (16 cavities)	—	In the passenger compartment , top right instrument panel, near A—pillar	● <u>Body Harness Routing - Right Front of Passenger Compartment (Extended Cab)</u> ● <u>Body Harness Routing - Right Front of Passenger Compartment (Crew Cab)</u> ● <u>Headliner Harness Routing (Crew Cab)</u> ● <u>Headliner Harness Routing (Extended Cab)</u>	<u>X300 Headliner Harness to Body Harness</u>
X301	Headliner Harness to Body Harness (22 cavities)	—	In the passenger compartment , rear of cab roof, near center high mounted stop lamp	● <u>Body Harness Routing - Left Rear of Passenger Compartment (Extended Cab)</u> ● <u>Body Harness Routing - Left Rear of Passenger Compartment (Crew Cab)</u> ● <u>Headliner Harness Routing (Crew Cab)</u> ● <u>Headliner Harness Routing (Extended Cab)</u>	<u>X301 Headliner Harness to Body Harness</u>
X302	Floor Console Harness to Instrument Panel Harness (6 cavities)	—	In the passenger compartment, right of center, beneath the instrument panel	<u>Center Console Harness Routing</u>	<u>X302 Floor Console Harness to Instrument Panel Harness</u>
X310	Driver Seat Cushion Harness to Body Harness (23 cavities)	—	In the passenger compartment, under the driver seat	● <u>Body Harness Routing - Left Front of Passenger Compartment (Extended Cab)</u> ● <u>Body Harness Routing - Left Front of Passenger Compartment (Crew Cab)</u>	<u>X310 Driver Seat Harness to Body Harness</u>
X311	Driver Seat Back Harness to Driver Seat Cushion Harness (16 cavities)	—	In the passenger compartment, under the driver seat	—	—
X320	Passenger Seat Cushion Harness to Body Harness (23 cavities)	—	In the passenger compartment, under the passenger seat	● <u>Body Harness Routing - Right Front of Passenger Compartment (Extended Cab)</u> ● <u>Body Harness Routing - Right Front of Passenger Compartment (Crew Cab)</u>	<u>X320 Passenger Seat Harness to Body Harness</u>

X321	Passenger Seat Back Harness to Passenger Seat Cushion Harness (16 cavities)	—	In the passenger compartment, under the passenger seat	—	—
X322	Passenger Seat Cushion Harness to Passenger Seat Belt Tension Sensor Jumper Harness (3 cavities)	—	In the passenger compartment, under the passenger seat	—	—
X399	Instrument Panel Harness to Instrument Panel Harness (2 cavities)	—	In the passenger compartment, below the lower left side of the instrument panel, near the data link connector	<u>Instrument Panel Harness Routing - Rear</u>	<u>X399 Instrument Panel Harness to Instrument Panel Harness</u>
X400	Chassis Harness to License Lamp Harness (10 cavities)	—	Outside of vehicle, inboard of the left frame rail, rearward of the left rear leaf spring mount	● <u>Chassis Harness Routing (Crew Cab)</u> ● <u>Rear License Plate Harness Routing</u>	<u>X400 Chassis Harness to License Lamp Harness</u>
X410	Left Tail Lamp Harness to Chassis Harness (6 cavities)	—	At left rear of vehicle, between tail lamp assembly – left and body	● <u>Chassis Harness Routing (Extended Cab)</u> ● <u>Chassis Harness Routing (Crew Cab)</u>	<u>X410 Left Rear Lamp Harness to Chassis Harness</u>
X420	Right Tail Lamp Harness to Chassis Harness (6 cavities)	—	At right rear of vehicle, between tail lamp assembly – right and body	● <u>Chassis Harness Routing (Extended Cab)</u> ● <u>Chassis Harness Routing (Crew Cab)</u>	<u>X420 Right Rear Lamp Harness to Chassis Harness</u>
X500	Body Harness to Driver Door Harness (34 cavities)	—	In the passenger compartment, left front, in the left a—pillar, between hinges	<u>Driver Door Harness Routing</u>	<u>X500 Body Harness to Driver Door Harness</u>
X510	Driver Outside Rearview Mirror Harness to Driver Door Harness (10 cavities)	—	At side of vehicle, front of driver door, between outside rearview mirror – driver and door frame	<u>Driver Door Harness Routing</u>	<u>X510 Driver Outside Rearview Mirror Harness to Driver Door Harness</u>
X600	Body Harness to Passenger Door Harness (34 cavities)	—	In the passenger compartment, right front, in the right a—pillar, between hinges	<u>Passenger Door Harness Routing</u>	<u>X600 Body Harness to Passenger Door Harness</u>
X610	Passenger Outside Rearview Mirror Harness to Passenger Door Harness (10 cavities)	—	At side of vehicle, front of passenger door, between outside rearview mirror – passenger and door frame	<u>Passenger Door Harness Routing</u>	<u>X610 Passenger Outside Rearview Mirror Harness to Passenger Door Harness</u>
X700	Left Rear Door Harness to Body Harness (12 cavities)	43	In the passenger compartment, behind the left B—pillar, near the middle	● <u>Left Rear Door Harness Routing (Crew Cab)</u> ● <u>Body Harness Routing - Left Rear of Passenger Compartment (Crew Cab)</u>	<u>X700 Left Rear Door Harness to Body Harness (Crew Cab)</u>
X700	Left Rear Door Harness to Body Harness (20 cavities)	53	In the passenger compartment, behind the left B—pillar, near the middle	● <u>Left Rear Door Harness Routing (Extended Cab)</u> ● <u>Body Harness Routing - Left Rear of Passenger Compartment (Extended Cab)</u>	<u>X700 Left Rear Door Harness to Body Harness (Extended Cab)</u>
X800	Right Rear Door Harness to Body Harness (12 cavities)	43	In the passenger compartment, behind the right B—pillar, near the middle	● <u>Right Rear Door Harness Routing (Crew Cab)</u> ● <u>Body Harness Routing - Right Front of Passenger Compartment (Crew Cab)</u>	<u>X800 Right Rear Door Harness to Body Harness (Crew Cab)</u>

X800	Right Rear Door Harness to Body Harness (20 cavities)	53	In the passenger compartment, behind the right B—pillar, near the middle	• <u>Body Harness Routing - Right Rear of Passenger Compartment (Extended Cab)</u> • <u>Right Rear Door Harness Routing (Extended Cab)</u>	<u>X800 Right Rear Door Harness to Body Harness (Extended Cab)</u>
G100	Battery Negative Harness	—	In the engine compartment, left of center, on left wheel liner, rearward of the left front tire	—	—
G101	Battery Negative Harness	—	In the engine compartment, left of center, beneath engine on frame cross member	—	—
G102	Battery Negative Harness	—	In the engine compartment, on the left front of the engine	—	—
G103	Forward Lamp Harness	—	In the engine compartment, beneath the left headlamp assembly, mounted to the radiator support	<u>G103</u>	—
G105	Forward Lamp Harness	—	In the engine compartment, beneath the right headlamp assembly, mounted to the radiator support	<u>G105</u>	—
G107	Engine Harness	LCV	In the engine compartment, on the right middle of the engine block, below cylinder four	<u>G107 (LCV)</u>	—
G107	Engine Harness	LFX	In the engine compartment, on the right of the engine block, rearward of the generator	<u>G107 and G108 (LFX)</u>	—
G108	Engine Harness	LCV	In the engine compartment, on the rear of the cylinder head	<u>G108 (LCV)</u>	—
G108	Engine Harness	LFX	In the engine compartment, on the right front of the engine block, below cylinder two	<u>G107 and G108 (LFX)</u>	—
G109	Engine Harness	LFX	In the engine compartment, on the left middle of the engine block, beneath cylinder one	<u>G109 (LFX)</u>	—
G201	Instrument Panel Harness	—	In the passenger compartment, center, beneath the floor console	<u>G300, G305, and G307</u>	—
G300	Instrument Panel Harness	—	In the passenger compartment, center, beneath the floor console	<u>G300, G305, and G307</u>	—
G301	Body harness	—	In the passenger compartment, left middle, on floor below driver seat, forward of X310	<u>G301 and G303</u>	—
G302	Body Harness	—	In the passenger compartment, right middle, on floor below passenger seat, forward of X320	<u>G302 and G304 (Crew Cab)</u>	—
G303	Body Harness	—	In the passenger compartment, left middle, on floor below driver seat, forward of X310	<u>G301 and G303</u>	—
G304	Body Harness	—	In the passenger compartment, right middle, on floor below passenger seat, forward of X320	<u>G302 and G304 (Crew Cab)</u>	—
G305	Instrument Panel Harness	—	In the passenger compartment, center, beneath the floor console	<u>G300, G305, and G307</u>	—
G306	Body Harness	53	In the passenger compartment, left rear, on upper left B—Pillar	<u>G306 (Crew Cab)</u>	—

G400	Chassis Harness	—	Under vehicle, outboard of left frame rail, rearward of the fuel filler neck	● <u>G400 (Crew Cab)</u> ● <u>G400 (Extended Cab)</u>	—
G401	Body Harness	—	Under vehicle, outboard of left frame rail, forward of the left leaf spring mount	● <u>G401 (Crew Cab)</u> ● <u>G401 (Extended Cab)</u>	—
G402	Body Harness	—	Under vehicle, outboard of right frame rail, forward of the right leaf spring mount	● <u>G402 (Crew Cab)</u> ● <u>G402 (Extended Cab)</u>	—
J100	Body Harness	NQ6	In engine compartment, approximately 10.7 cm (4.21 in) from battery current sensor breakout towards rear of vehicle	<u>Body Harness Routing - Left Engine Compartment</u>	—
J101	Body Harness	NQ6/NQ7	In engine compartment, approximately 15.7 cm (6.18 in) from battery current sensor breakout towards rear of vehicle	<u>Body Harness Routing - Left Engine Compartment</u>	—
J102	Body Harness	—	In engine compartment, approximately 4.0 cm (1.57 in) into X106 breakout	<u>Body Harness Routing - Left Engine Compartment</u>	—
J103	Body Harness	—	In engine compartment, approximately 12.5 cm (4.92 in) from battery ground breakout towards body grommet	● <u>Body Harness Routing - Left Front of Passenger Compartment (Crew Cab)</u> ● <u>Body Harness Routing - Left Engine Compartment</u>	—
J104	Chassis Harness	—	Underneath the rear of vehicle, approximately 30.7 cm (12.1 in) from X106 breakout towards front of vehicle	● <u>Chassis Harness Routing (Extended Cab)</u> ● <u>Chassis Harness Routing (Crew Cab)</u>	—
J105	Chassis Harness	—	Underneath the rear of vehicle, approximately 5.4 cm (2.13 in) into X106 breakout	● <u>Chassis Harness Routing (Crew Cab)</u> ● <u>Chassis Harness Routing (Extended Cab)</u>	—
J106	Engine Harness	LCV with NQ6/NQ7	In engine compartment, left front of engine, approximately 3 cm (1.81 in) from X101 breakout towards engine	<u>Engine Harness Routing - Left Front (LCV)</u>	—
J106	Engine Harness	LFX with NQ6/NQ7	In engine compartment, left front of engine, approximately 6.6 cm (2.60 in) into X101 breakout	—	—
J107	Engine Harness	LCV	In engine compartment, front of engine, approximately 5 cm (1.97 in) from camshaft position actuator solenoid valve — exhaust breakout towards manifold absolute pressure sensor breakout	<u>Engine Harness Routing - Left Front (LCV)</u>	—
J107	Engine Harness	LFX	In engine compartment, left front of engine, approximately 12.9 cm (5.08 in) into fuse block underhood X3 breakout	—	—
J108	Engine Harness	LCV	In engine compartment, left front of engine, approximately 11.1 cm (4.37 in) from camshaft position actuator solenoid valve — exhaust breakout towards X101 breakout	<u>Engine Harness Routing - Left Front (LCV)</u>	—

J109	Engine Harness	LCV with MYB	In engine compartment, front of engine, approximately 10.9 cm (4.29 in) from camshaft position actuator solenoid valve — exhaust breakout towards manifold absolute pressure sensor breakout	<u>Engine Harness Routing - Left Front (LCV)</u>	—
J109	Engine Harness	LFX with MYB	In engine compartment, left front of engine, approximately 6.1 cm (2.40 in) from ignition coil 2 breakout towards rear of engine	—	—
J110	Engine Harness	LCV	In engine compartment, front of engine, approximately 2.5 cm (0.98 in) from camshaft position actuator solenoid valve — exhaust breakout towards manifold absolute pressure sensor breakout	<u>Engine Harness Routing - Left Front (LCV)</u>	—
J110	Engine Harness	LFX	In engine compartment, right front of engine, approximately 14 cm (5.51 in) from evaporative emission purge solenoid valve breakout towards throttle body	—	—
J111	Engine Harness	LCV	In engine compartment, front of engine, approximately 13.4 cm (5.28 in) from camshaft position actuator solenoid valve — exhaust breakout towards manifold absolute pressure sensor breakout	<u>Engine Harness Routing - Left Front (LCV)</u>	—
J111	Engine Harness	LFX	In engine compartment, left front of engine, approximately 2 cm (6.10 in) from ignition coil 2 breakout towards ignition coil 4 breakout	—	—
J112	Engine Harness	LCV	In engine compartment, right front of engine, approximately 5 cm (1.97 in) from ignition coil 1 breakout towards ignition coil 2 breakout	<u>Engine Harness Routing - Right Front Top (LCV)</u>	—
J113	Engine Harness	LCV	In engine compartment, right front of engine, approximately 2.5 cm (0.98 in) from ignition coil 1 breakout towards ignition coil 2 breakout	<u>Engine Harness Routing - Right Front Top (LCV)</u>	—
J113	Engine Harness	LFX	In engine compartment, left front of engine, approximately 15.5 cm (6.10 in) into fuse block underhood X3 breakout	—	—
J114	Engine Harness	LCV	In engine compartment, right front of engine, approximately 2.5 cm (0.98 in) from ignition coil 1 breakout towards camshaft position actuator solenoid valve — intake breakout	<u>Engine Harness Routing - Right Front Top (LCV)</u>	—
J114	Engine Harness	LFX	In engine compartment, right front of engine, approximately 6.1 cm (2.40 in) from evaporative emission purge solenoid valve breakout towards throttle body	—	—
J115	Engine Harness	LFX	In engine compartment, left front of engine, approximately 15.5 cm (6.10 in) from X101 breakout towards right side of engine, near oil fill cap	—	—
J116	Engine Harness	LFX	In engine compartment, left front of engine, approximately 2 cm (.79 in) from ignition coil 2 breakout towards rear of engine	—	—
J117	Forward Lamp Harness	—	In engine compartment, approximately 7.8 cm (3.07 in) into underhood fuse block X1 breakout	<u>Forward Lamp Harness Routing - Left Engine Compartment</u>	—

J118	Forward Lamp Harness	—	In engine compartment, approximately 29.6 cm (11.7 in) into underhood fuse block X1 breakout	<u>Forward Lamp Harness Routing - Left Engine Compartment</u>	—
J119	Forward Lamp Harness	—	In engine compartment, approximately 15.6 cm (6.14 in) into underhood fuse block X1 breakout	<u>Forward Lamp Harness Routing - Left Engine Compartment</u>	—
J120	Forward Lamp Harness	—	In engine compartment, approximately 28.2 cm (11.7 in) from right fog lamp breakout towards cooling fan control module breakout	<u>Forward Lamp Harness Routing - Right Engine Compartment</u>	—
J121	Left Headlamp Harness	—	Outside of the vehicle, internal to the left headlamp assembly	—	—
J122	Right Headlamp Harness	—	Outside of the vehicle, internal to the right headlamp assembly	—	—
J123	Left Headlamp Harness	—	Outside of the vehicle, internal to the left headlamp assembly	—	—
J124	Right Headlamp Harness	—	Outside of the vehicle, internal to the right headlamp assembly	—	—
J200	Body Harness	—	In passenger compartment, approximately 12.5 cm (4.92 in) from accelerator pedal position sensor breakout towards brake pedal position sensor breakout	<u>Body Harness Routing - Left Front of Passenger Compartment (Extended Cab)</u>	—
J201	Body Harness	—	In passenger compartment, approximately 15.6 cm (6.14 in) from park brake switch breakout towards main harness	● <u>Body Harness Routing - Left Front of Passenger Compartment (Crew Cab)</u> ● <u>Body Harness Routing - Left Front of Passenger Compartment (Extended Cab)</u>	—
J202	Body Harness	—	In passenger compartment, approximately 8.2 cm (3.23 in) from park brake switch breakout towards main harness	● <u>Body Harness Routing - Left Front of Passenger Compartment (Extended Cab)</u> ● <u>Body Harness Routing - Left Front of Passenger Compartment (Crew Cab)</u>	—
J203	Body Harness	—	In passenger compartment, approximately 4.1 cm (1.61 in) from park brake switch breakout towards body control module breakouts	● <u>Body Harness Routing - Left Front of Passenger Compartment (Crew Cab)</u> ● <u>Body Harness Routing - Left Front of Passenger Compartment (Extended Cab)</u>	—
J204	Body Harness	—	In passenger compartment, approximately 8.1 cm (3.19 in) from park brake switch breakout towards body control module breakouts	● <u>Body Harness Routing - Left Front of Passenger Compartment (Extended Cab)</u> ● <u>Body Harness Routing - Left Front of Passenger Compartment (Crew Cab)</u>	—
J205	Body Harness	—	In passenger compartment, approximately 11.9 cm (4.69 in) from park brake switch breakout towards main harness	● <u>Body Harness Routing - Left Front of Passenger Compartment (Extended Cab)</u> ● <u>Body Harness Routing - Left Front of Passenger Compartment (Crew Cab)</u>	—

J206	Body Harness	—	In passenger compartment, approximately 4.1 cm (1.61 in) from X500 breakout towards G301 breakout	● <u>Body Harness Routing - Left Front of Passenger Compartment (Extended Cab)</u> ● <u>Body Harness Routing - Left Front of Passenger Compartment (Crew Cab)</u>	—
J207	Body Harness	—	In passenger compartment, approximately 4.6 cm (1.81 in) from X500 breakout towards JX201 breakout	<u>Body Harness Routing - Left Front of Passenger Compartment (Crew Cab)</u>	—
J208	Body Harness	—	In passenger compartment, approximately 9.6 cm (3.78 in) from X500 breakout towards JX201 breakout	● <u>Body Harness Routing - Left Front of Passenger Compartment (Crew Cab)</u> ● <u>Body Harness Routing - Left Front of Passenger Compartment (Extended Cab)</u>	—
J209	Body Harness	43	In passenger compartment, approximately 5.0 cm (1.97 in) from G301 breakout towards front of vehicle	<u>Body Harness Routing - Left Front of Passenger Compartment (Crew Cab)</u>	—
J209	Body Harness	53	In passenger compartment, approximately 12.3 cm (4.84 in) from G301 breakout towards front of vehicle	<u>Body Harness Routing - Left Front of Passenger Compartment (Extended Cab)</u>	—
J210	Body Harness	43	In passenger compartment, approximately 1.23 cm (4.84 in) from G301 breakout towards front of vehicle	<u>Body Harness Routing - Left Front of Passenger Compartment (Crew Cab)</u>	—
J211	Body Harness	43	In passenger compartment, approximately 22 cm (8.66 in) from G301 breakout towards front of vehicle	<u>Body Harness Routing - Left Front of Passenger Compartment (Crew Cab)</u>	—
J212	Body Harness	43	In passenger compartment, approximately 30.2 cm (11.9 in) from G301 breakout towards front of vehicle	<u>Body Harness Routing - Left Front of Passenger Compartment (Crew Cab)</u>	—
J213	Body Harness	43 with AXG	In passenger compartment, under passenger door trim plate, approximately 12 cm (4.72 in) from antenna coaxial cable inline connector breakout towards rear of vehicle	<u>Body Harness Routing - Right Front of Passenger Compartment (Crew Cab)</u>	—
J214	Instrument Panel Harness	—	In passenger compartment, behind left side of instrument panel, approximately 8.8 cm (3.46 in) from data link connector breakout towards steering column	<u>Instrument Panel Harness Routing - Rear</u>	—
J215	Instrument Panel Harness	—	In passenger compartment, behind left side of instrument panel, approximately 2.5 cm (1.0 in) from data link connector breakout towards floor	<u>Instrument Panel Harness Routing - Rear</u>	—
J216	Instrument Panel Harness	—	In passenger compartment, behind left side of instrument panel, approximately 7.6 cm (2.99 in) from data link connector breakout towards floor	<u>Instrument Panel Harness Routing - Rear</u>	—
J217	Instrument Panel Harness	KA1	In passenger compartment, behind left side of instrument panel, near body control module, approximately 5.3 cm (2.09 in) into main harness bundle leading toward body control module X1 breakout	<u>Instrument Panel Harness Routing - Rear</u>	—

J218	Instrument Panel Harness	UQ3	In passenger compartment, behind left side of instrument panel, approximately 6.6 cm (2.60 in) from left front speaker breakout towards steering column	<u>Instrument Panel Harness Routing - Rear</u>	—
J219	Instrument Panel Harness	UQ3	In passenger compartment, behind left side of instrument panel, approximately 10 cm (3.94 in) from left front speaker breakout towards steering column	<u>Instrument Panel Harness Routing - Rear</u>	—
J220	Instrument Panel Harness	—	In passenger compartment, behind left side of instrument panel, approximately 3.2 cm (1.26 in) from left front speaker breakout towards steering column	<u>Instrument Panel Harness Routing - Rear</u>	—
J221	Instrument Panel Harness	—	In passenger compartment, behind left side of instrument panel, approximately 15.9 cm (6.26 in) into secondary bundle leading toward steering wheel air bag coil breakout	<u>Instrument Panel Harness Routing - Rear</u>	—
J222	Instrument Panel Harness	IO4/IO5/IO6	In passenger compartment, behind center of instrument panel, approximately 13 cm (5.12 in) from X204 breakout towards center console accessory power receptacle breakout	<u>Instrument Panel Harness Routing - Rear</u>	—
J223	Instrument Panel Harness	—	In passenger compartment, behind center of instrument panel, approximately 3.3 cm (1.30 in) from center console accessory power receptacle breakout towards X204 breakout	<u>Instrument Panel Harness Routing - Rear</u>	—
J224	Instrument Panel Harness	—	In passenger compartment, behind center of instrument panel, approximately 5.2 cm (2.05 in) from center console accessory power receptacle breakout towards G305 breakout under center floor console	<u>Instrument Panel Harness Routing - Rear</u>	—
J225	Instrument Panel Harness	—	In passenger compartment, behind center of instrument panel, approximately 29.6 cm (11.7 in) from center console accessory power receptacle breakout towards G305 breakout under center floor console	<u>Instrument Panel Harness Routing - Rear</u>	—
J226	Instrument Panel Harness	TG5/IO4/IO5/IO6	In passenger compartment, behind center of instrument panel, approximately 14.7 cm (5.79 in) from center console accessory power receptacle breakout towards G305 breakout under center floor console	<u>Instrument Panel Harness Routing - Rear</u>	—
J227	Instrument Panel Harness	—	In passenger compartment, behind center of instrument panel, approximately 24.4 cm (9.61 in) from center console accessory power receptacle breakout towards G305 breakout under center floor console	<u>Instrument Panel Harness Routing - Rear</u>	—
J228	Instrument Panel Harness	—	In passenger compartment, behind center of instrument panel, approximately 35.3 cm (13.9 in) from center console accessory power receptacle breakout towards G305 breakout under center floor console	<u>Instrument Panel Harness Routing - Rear</u>	—
J229	Instrument Panel Harness	UQ3	In passenger compartment, behind right side of instrument panel, approximately 4.5 cm (1.77 in) from passenger instrument panel air bag breakout towards radio X4 breakout	<u>Instrument Panel Harness Routing - Rear</u>	—

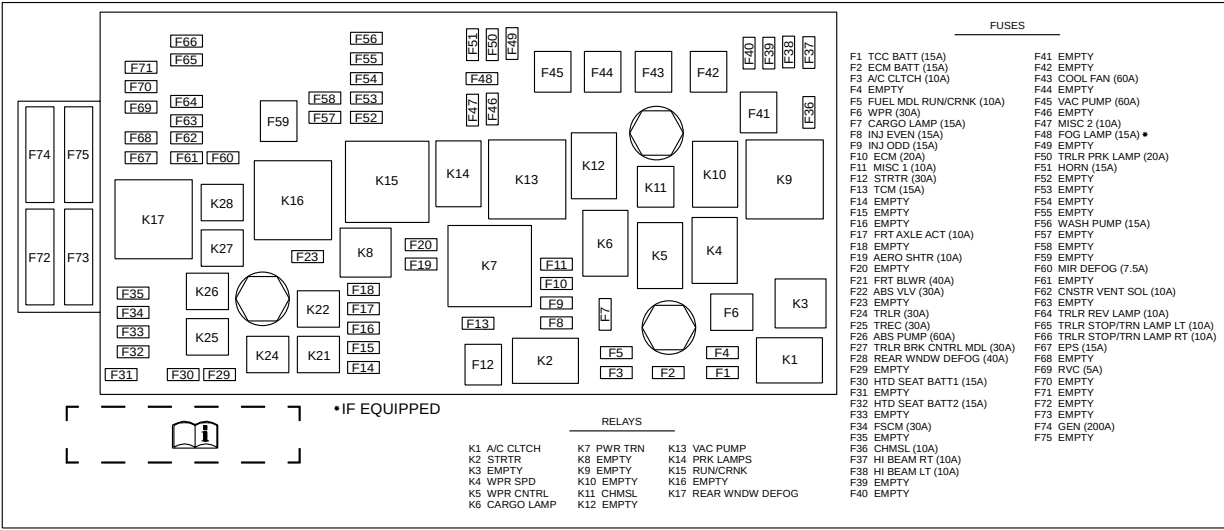
J230	Instrument Panel Harness	UQ3	In passenger compartment, behind right side of instrument panel, approximately 9 cm (3.54 in) from passenger instrument panel air bag breakout towards radio X4 breakout	<u>Instrument Panel Harness Routing - Rear</u>	—
J231	Instrument Panel Harness	—	In passenger compartment, behind right side of instrument panel, approximately 18 cm (3.54 in) from right front speaker breakout towards passenger instrument panel air bag breakout	<u>Instrument Panel Harness Routing - Rear</u>	—
J232	Steering Wheel Harness	—	In passenger compartment, in the steering wheel harness	—	—
J233	Steering Wheel Harness	—	In passenger compartment, in the steering wheel harness	—	—
J234	Steering Wheel Harness	—	In passenger compartment, in the steering wheel harness	—	—
J250	Steering Wheel Harness	—	In passenger compartment, in the steering wheel harness	—	—
J251	HVAC Harness	—	In passenger compartment, HVAC assembly harness	—	—
J252	HVAC Harness	—	In passenger compartment, HVAC assembly harness	—	—
J300	Body Harness	43 with AXG	In passenger compartment, under passenger door trim plate, approximately 22 cm (8.66 in) from G304 breakout towards front of vehicle	<u>Body Harness Routing - Right Front of Passenger Compartment (Crew Cab)</u>	—
J301	Body Harness	—	In passenger compartment, under passenger seat, approximately 4.0 cm (1.57 in) from X320 breakout towards floor console	• <u>Body Harness Routing - Right Front of Passenger Compartment (Extended Cab)</u> • <u>Body Harness Routing - Right Front of Passenger Compartment (Crew Cab)</u>	—
J302	Body Harness	53	In passenger compartment, under driver door trim plate, approximately 5 cm (1.97 in) from G303 breakout towards rear of vehicle	<u>Body Harness Routing - Left Front of Passenger Compartment (Extended Cab)</u>	—
J303	Body Harness	53	In passenger compartment, under passenger door trim plate, approximately 5 cm (1.97 in) from G304 breakout towards rear of vehicle	<u>Body Harness Routing - Right Front of Passenger Compartment (Extended Cab)</u>	—
J304	Floor Console Harness	IO3 with N8D	In passenger compartment, under center floor console, approximately 12.3 cm (4.84 in) from X302 USB inline connector breakout towards rear of vehicle	<u>Center Console Harness Routing</u>	—
J305	Floor Console Harness	—	In passenger compartment, under center floor console, approximately 11.7 cm (4.61 in) from USB receptacle breakout towards rear of vehicle	<u>Center Console Harness Routing</u>	—
J306	Headliner Harness	—	In passenger compartment, above the headliner, approximately 20.3 cm (4.72 in) from the left sunshade mirror lamp breakout towards rear of vehicle	• <u>Headliner Harness Routing (Crew Cab)</u> • <u>Headliner Harness Routing (Extended Cab)</u>	—

J307	Headliner Harness	—	In passenger compartment, above the headliner, approximately 11.7 cm (4.61 in) from the left sunshade mirror lamp breakout towards rear of vehicle	● <u>Headliner Harness Routing (Crew Cab)</u> ● <u>Headliner Harness Routing (Extended Cab)</u>	—
J308	Headliner Harness	43	In passenger compartment, above the headliner, approximately 35.3 cm (13.9 in) from the left sunshade mirror lamp breakout towards rear of vehicle	<u>Headliner Harness Routing (Crew Cab)</u>	—
J308	Headliner Harness	53	In passenger compartment, above the headliner, approximately 13.8 cm (4.61 in) from the rear dome lamp breakout towards rear of vehicle	<u>Headliner Harness Routing (Extended Cab)</u>	—
J309	Driver Seat Cushion Harness	AL9	In passenger compartment, under driver seat	—	—
J310	Passenger Seat Cushion Harness	AT9	In passenger compartment, under passenger seat	—	—
J311	Driver Seat Cushion Harness	AH6/AL9/KA1	In passenger compartment, under driver seat	—	—
J312	Passenger Seat Cushion Harness	AAQ/AT9/KA1	In passenger compartment, under passenger seat	—	—
J313	Passenger Seat Cushion Harness	AL0	In passenger compartment, under passenger seat	—	—
J314	Driver Seat Cushion Harness	—	In passenger compartment, under driver seat	—	—
J315	Passenger Seat Cushion Harness	—	In passenger compartment, under passenger seat	—	—
J400	Chassis Harness	—	Underneath the rear of vehicle, approximately 5.3 cm (2.09 in) from G401 breakout towards rear of vehicle	● <u>Chassis Harness Routing (Crew Cab)</u> ● <u>Chassis Harness Routing (Extended Cab)</u>	—
J401	Chassis Harness	—	Underneath the rear of vehicle, approximately 13.5 cm (5.31 in) from chassis control module (LFX) or fuel pump driver control module (LCV) breakout towards front of vehicle	● <u>Chassis Harness Routing (Crew Cab)</u> ● <u>Chassis Harness Routing (Extended Cab)</u>	—
J402	Chassis Harness	—	Underneath the rear of vehicle, approximately 6.1 cm (2.40 in) from chassis control module (LFX) or fuel pump driver control module (LCV) breakout towards left frame rail	● <u>Chassis Harness Routing (Extended Cab)</u> ● <u>Chassis Harness Routing (Crew Cab)</u>	—
J403	Chassis Harness	—	Underneath the rear of vehicle, approximately 18.5 cm (7.28 in) from left rear wheel speed sensor breakout towards front of vehicle	● <u>Chassis Harness Routing (Crew Cab)</u> ● <u>Chassis Harness Routing (Extended Cab)</u>	—
J404	Chassis Harness	—	Underneath the rear of vehicle, approximately 6.2 cm (2.44 in) into G400 breakout	● <u>Chassis Harness Routing (Crew Cab)</u> ● <u>Chassis Harness Routing (Extended Cab)</u>	—
J405	Chassis Harness	—	Underneath the rear of vehicle, approximately 20.1 cm (7.91 in) from G400 breakout towards front of vehicle	● <u>Chassis Harness Routing (Crew Cab)</u> ● <u>Chassis Harness Routing (Extended Cab)</u>	—

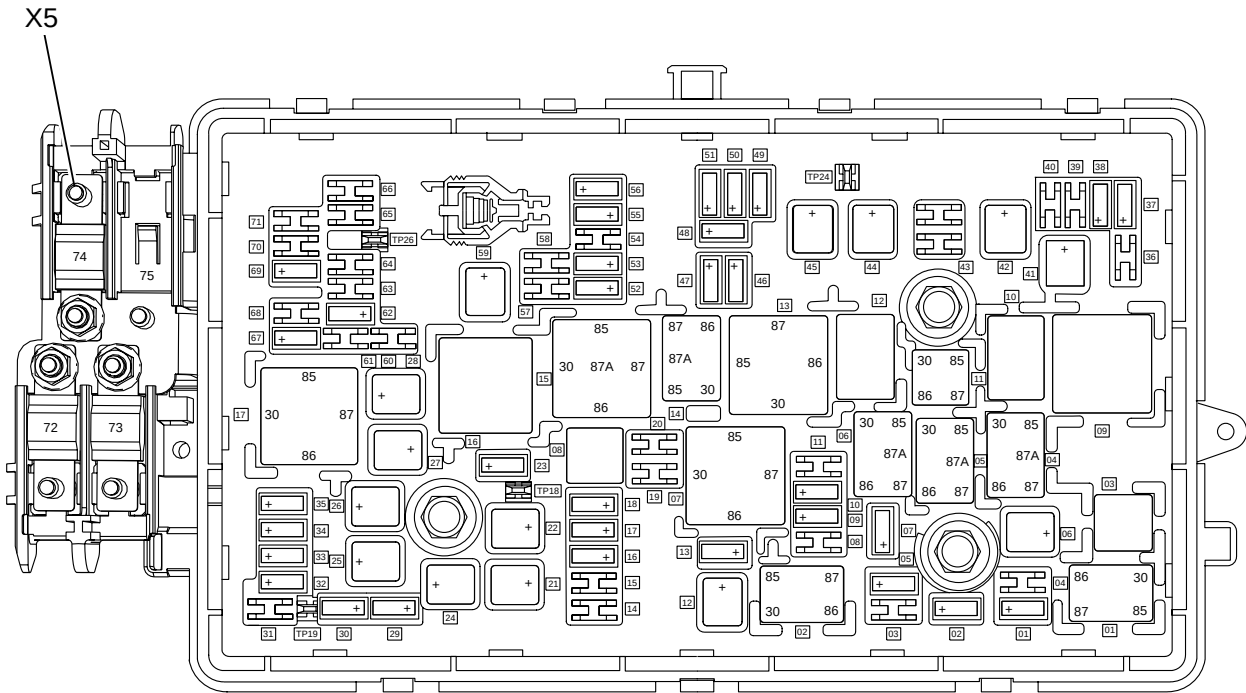
J406	License Harness	—	At rear of vehicle, approximately 10 cm (3.94 in) from inline connector X400	<u>Rear License Plate Harness Routing</u>	—
J407	License Harness	—	At rear of vehicle, approximately 12.5 cm (4.92 in) from inline connector X400	<u>Rear License Plate Harness Routing</u>	—
J408	License Harness	—	At rear of vehicle, approximately 14.9 cm (5.87 in) from left license lamp breakout towards rear camera breakout	<u>Rear License Plate Harness Routing</u>	—
J409	License Harness	—	At rear of vehicle, approximately 4.8 cm (1.89 in) into rear camera breakout	<u>Rear License Plate Harness Routing</u>	—
J410	Right Rear Lamp Harness	—	Outside of the vehicle, internal to the right taillamp assembly	—	—
J411	Left Rear Lamp Harness	—	Outside of the vehicle, internal to the left taillamp assembly	—	—
J501	Driver Door Harness	—	In the driver door, approximately 7.9 cm (3.11 in) from window motor breakout towards front of vehicle	<u>Driver Door Harness Routing</u>	—
J502	Driver Door Harness	—	In the driver door, approximately 3.2 cm (1.26 in) from window motor breakout towards impact sensor breakout	<u>Driver Door Harness Routing</u>	—
J503	Driver Door Harness	—	In the driver door, approximately 21.3 cm (8.39 in) from window motor breakout towards front	<u>Driver Door Harness Routing</u>	—
J504	Driver Door Harness	—	In the driver door, approximately 15.4 cm (6.06 in) from speaker breakout towards rear of vehicle	<u>Driver Door Harness Routing</u>	—
J505	Driver Door Harness	—	In the driver door, approximately 31.5 cm (12.4 in) from speaker breakout towards rear of vehicle	<u>Driver Door Harness Routing</u>	—
J600	Passenger Door Harness	—	In the passenger door, approximately 18.2 cm (7.17 in) from window motor breakout towards front of vehicle	<u>Passenger Door Harness Routing</u>	—
J700	Left Rear Door Harness	53	In the left rear door, near rear, approximately 15.9 cm (6.29 in) from speaker breakout towards rear of vehicle	<u>Left Rear Door Harness Routing (Extended Cab)</u>	—
J701	Left Rear Door Harness	43	In the left rear door, near front, approximately 6.0 cm (2.36 in) from window switch — left rear breakout towards window motor	<u>Left Rear Door Harness Routing (Crew Cab)</u>	—
J701	Left Rear Door Harness	53	In the left rear door, near rear, approximately 22 cm (8.66 in) from speaker breakout towards rear of vehicle	<u>Left Rear Door Harness Routing (Extended Cab)</u>	—
J800	Right Rear Door Harness	53	In the right rear door, near rear, approximately 16.2 cm (6.38 in) from speaker breakout towards rear of vehicle	<u>Right Rear Door Harness Routing (Extended Cab)</u>	—
J801	Right Rear Door Harness	43	In the right rear door, near front, approximately 6.0 cm (2.36 in) from window switch — right rear breakout towards window motor	<u>Right Rear Door Harness Routing (Crew Cab)</u>	—

J801	Right Rear Door Harness	53	In the right rear door, near rear, approximately 23.3 cm (9.17 in) from speaker breakout towards rear of vehicle	<u>Right Rear Door Harness Routing</u> <u>(Extended Cab)</u>	—
JX200	Splice Pack – Instrument Panel	—	In the passenger compartment, rear of the instrument panel, left of the steering column	<u>Instrument Panel Harness Routing -</u> <u>Rear</u>	<u>JX200 Instrument Panel Harness</u>
JX201	Splice Pack – Body	—	In the passenger compartment, rear of the instrument panel, left of the steering column	<u>Body Harness Routing - Left Front of</u> <u>Passenger Compartment (Crew Cab)</u>	<u>JX201 Instrument Panel Harness</u>

X50A Fuse Block - Underhood Label



X50A Fuse Block - Underhood Top View



X50A Fuse Block – Underhood Usage

No.	Device Label Name	Device Assigned Name	Rating	Description
Fuses				
F1	TCM BATT	F1UA Fuse	15A	K71 Transmission Control Module (MYB), Q8 Control Solenoid Valve Assembly (MYB)
F2	ECM BATT	F2UA Fuse	15A	K20 Engine Control Module
F3	A/C CLTCH	F3UA Fuse	10A	KR29 A/C Compressor Clutch Relay, Q2 A/C Compressor Clutch
F4	EMPTY	F4UA Fuse	—	Not Used
F5	FUEL MDL RUN/CRNK	F5UA Fuse	10A	K20 Engine Control Module, K71 Transmission Control Module (MYB), Q8 Control Solenoid Valve Assembly (MYB)
F6	WPR	F6UA Fuse	30A	KR12B Windshield Wiper Relay, KR12C Windshield Wiper Speed Control Relay
F7	CARGO LAMP	F7UA Fuse	15A	KR112 Cargo Lamp Relay
F8	INJ EVEN	F8UA Fuse	15A	K20 Engine Control Module (LFX), T8B Ignition Coil 2 (LFX), T8D Ignition Coil 4 (LFX), T8F Ignition Coil 6 (LFX)

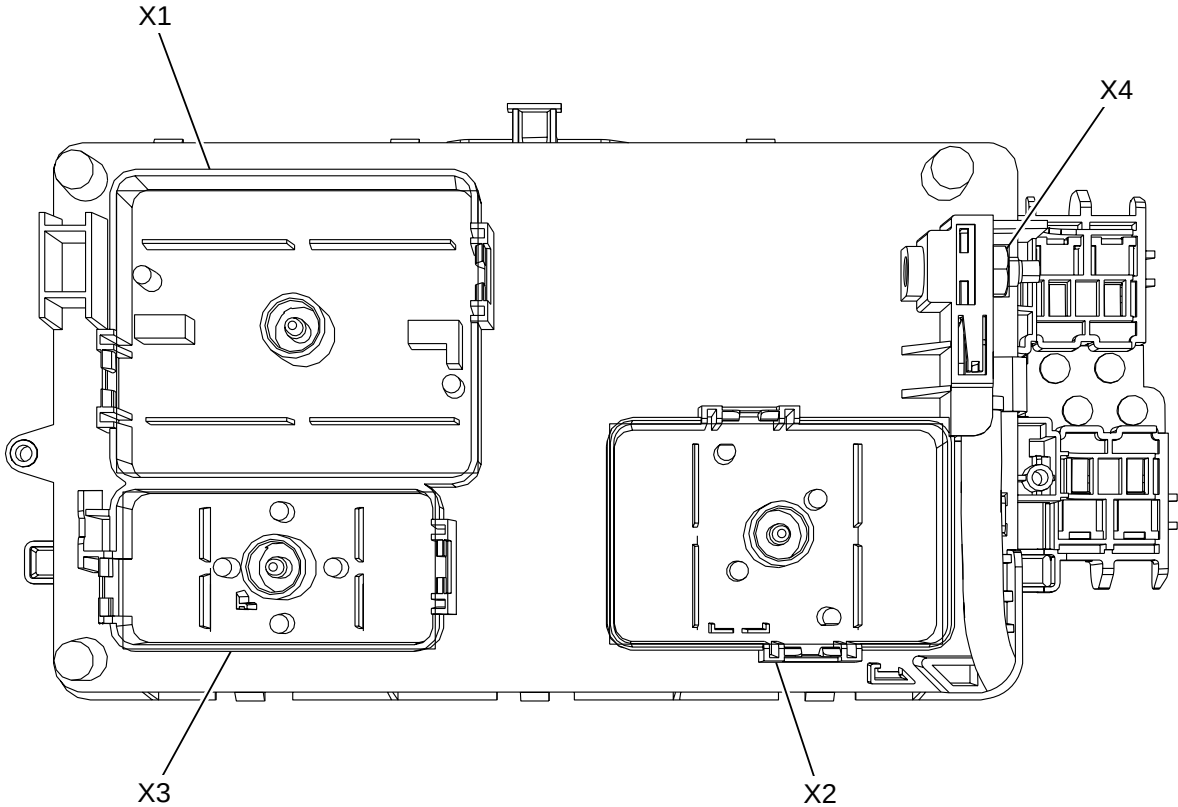
F9	INJ ODD	F9UA Fuse	15A	K20 Engine Control Module, T8A Ignition Coil 1 (LCV), T8B Ignition Coil 2 (LCV), T8C Ignition Coil 3 (LCV), T8D Ignition Coil 4 (LCV), T8A Ignition Coil 1 (LFX), T8C Ignition Coil 3 (LFX), T8E Ignition Coil 5 (LFX)
F10	ECM	F10UA Fuse	20A	K20 Engine Control Module
F11	MISC 1	F11UA Fuse	10A	B75C Multifunction Intake Air Sensor, B52B Heated Oxygen Sensor 2 (LCV), B52D Heated Oxygen Sensor - Bank 1 Sensor 2 (LFX), B52D Heated Oxygen Sensor - Bank 1 Sensor 2 (LFX)
F12	STRTR	F12UA Fuse	30A	KR27 Starter Relay
F13	TCM	F13UA Fuse	15A	Q8 Control Solenoid Valve Assembly (MYB), K71 Transmission Control Module (MYB)
F14	EMPTY	F14UA Fuse	—	Not Used
F15	EMPTY	F15UA Fuse	—	Spare Fuse
F16	EMPTY	F16UA Fuse	—	Not Used
F17	FRT AXLE ACT	F17UA Fuse	10A	M26 Front Axle Engagement Actuator (NQ6/NQ7)
F18	EMPTY	F18UA Fuse	—	Not Used
F19	AERO SHTR	F19UA Fuse	10A	M96 Active Grille Air Shutter Actuator
F20	EMPTY	F20UA Fuse	—	Not Used
F21	FRT BLWR	F21UA Fuse	40A	K8 Blower Motor Control Module
F22	ABS VLV	F22UA Fuse	30A	K17 Electronic Brake Control Module
F23	EMPTY	F23UA Fuse	—	Not Used
F24	TRLR	F24UA Fuse	30A	X88 Trailer Connector (Z82), W8 Blunt Cut - Trailer Provision
F25	TREC	F25UA Fuse	30A	A16 Transfer Case Motor (NQ6/NQ7), K69 Transfer Case Control Module (NQ6/NQ7)
F26	ABS PUMP	F26UA Fuse	60A	K17 Electronic Brake Control Module
F27	TRLR BRK CNTRL MDL	F27UA Fuse	30A	W24 Blunt Cut - Trailer Brakes Provision (Z82)
F28	REAR WNDW DEFOG	F28UA Fuse	40A	F63UA Fuse, E18 Rear Defogger Grid
F29	EMPTY	F29UA Fuse	—	Not Used
F30	HTD SEAT BATT1	F30UA Fuse	15A	K29 Seat Heating Control Module (KA1)
F31	EMPTY	F31UA Fuse	—	Not Used
F32	HTD SEAT BATT2	F32UA Fuse	15A	K29 Seat Heating Control Module (KA1)
F33	EMPTY	F33UA Fuse	—	Not Used
F34	FSCM	F34UA Fuse	30A	K111 Fuel Pump Driver Control Module (LCV), K38 Chassis Control Module (LFX)
F35	EMPTY	F35UA Fuse	—	Not Used
F36	CHMSL	F36UA Fuse	10A	KR41 Center High Mounted Stop Lamp Relay
F37	HI BEAM RT	F37UA Fuse	10A	E4F Headlamp – Right High Beam
F38	HI BEAM LT	F38UA Fuse	10A	E4E Headlamp – Left High Beam

F38	HI BEAM LT	F38UA Fuse	10A	E4E Headlamp – Left High Beam
F39	EMPTY	F39UA Fuse	—	Not Used
F40	EMPTY	F40UA Fuse	—	Not Used
F41	EMPTY	F41UA Fuse	—	Not Used
F42	EMPTY	F42UA Fuse	—	Not Used
F43	COOL FAN	F43UA Fuse	60A	K22 Cooling Fan Control Module
F44	EMPTY	F44UA Fuse	—	Not Used
F45	VAC PUMP	F45UA Fuse	60A	KR14 Brake Booster Pump Motor Relay (LFX)
F46	EMPTY	F46UA Fuse	—	Not Used
F47	MISC 2	F47UA Fuse	10A	Q12 Evaporative Emission Purge Solenoid Valve, E41 Engine Coolant Thermostat Heater (LCV), Q44 Engine Oil Pressure Control Solenoid Valve (LCV), K20 Engine Control Module (LCV), B52A Heated Oxygen Sensor 1 (LCV), B52C Heated Oxygen Sensor - Bank 1 Sensor 1 (LFX), B52E Heated Oxygen Sensor - Bank 2 Sensor 1 (LFX)
F48	FOG LAMP	F48UA Fuse	15A	E29LF Fog Lamp – Left Front (T3U), E29RF Fog Lamp – Right Front (T3U)
F49	EMPTY	F49UA Fuse	—	Not Used
F50	TRLR PRK LAMP	F50UA Fuse	20A	X88 Trailer Connector (Z82), W8 Blunt Cut - Trailer Provision
F51	HORN	F51UA Fuse	15A	P13 Horn Assembly
F52	EMPTY	F52UA Fuse	—	Not Used
F53	EMPTY	F53UA Fuse	—	Not Used
F54	EMPTY	F54UA Fuse	—	Not Used
F55	EMPTY	F55UA Fuse	—	Not Used
F56	WASH PUMP	F56UA Fuse	15A	G24 Windshield Washer Pump
F57	EMPTY	F57UA Fuse	—	Not Used
F58	EMPTY	F58UA Fuse	—	Not Used
F59	EMPTY	F59UA Fuse	—	Not Used
F60	MIR DEFOG	F60UA Fuse	7.5A	E17D Outside Rearview Mirror Glass – Driver, E17P Outside Rearview Mirror Glass – Passenger
F61	EMPTY	F61UA Fuse	—	Not Used
F62	CNSTR VENT SOL	F62UA Fuse	10A	Q13 Evaporative Emission Vent Solenoid Valve
F63	EMPTY	F63UA Fuse	—	Not Used
F64	TRLR REV LAMP	F64UA Fuse	10A	KR61 Trailer Backup Lamps Relay
F65	TRLR STOP/TRN LAMP LT	F65UA Fuse	10A	X88 Trailer Connector (Z82), W8 Blunt Cut - Trailer Provision
F66	TRLR STOP/TRN LAMP RT	F66UA Fuse	10A	KR63R Trailer Stop/Turn Signal Lamp Relay - Right
F67	EPS	F67UA Fuse	15A	K43 Power Steering Control Module

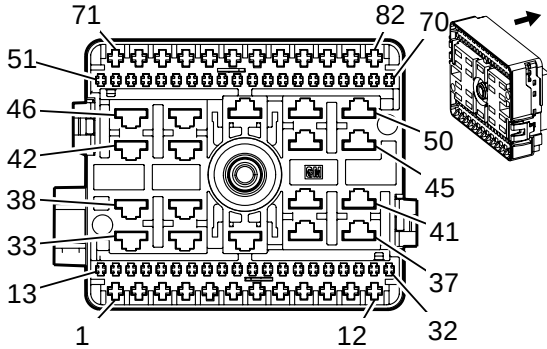
F67	EPS	F67UA Fuse	15A	K43 Power Steering Control Module
F68	EMPTY	F68UA Fuse	—	Not Used
F69	RVC	F69UA Fuse	5A	K9 Body Control Module
F70	EMPTY	F70UA Fuse	—	Not Used
F71	EMPTY	F71UA Fuse	—	Not Used
F72	EMPTY	F72UB Fuse	—	Not Used
F73	EMPTY	F73UB Fuse	—	Not Used
F74	GEN	F74UB Fuse	200A	G13 Generator
F75	EMPTY	F75UB Fuse	—	Not Used
K1	A/C CLTCH	KR29 A/C Compressor Clutch Relay	—	Q2 A/C Compressor Clutch
K2	STRTR	KR27 Starter Relay	—	M64 Starter Motor
K3	EMPTY	—	—	Not Used
K4	WPR SPD	KR12C Windshield Wiper Speed Control Relay	—	M75 Windshield Wiper Motor
K5	WPR CNTRL	KR12B Windshield Wiper Relay	—	M75 Windshield Wiper Motor
K6	CARGO LAMP	KR112 Cargo Lamp Relay	—	E6 Center High Mounted Stop Lamp
K7	PWR TRN	KR75 Engine Controls Ignition Relay	—	F9UA, F47UA Fuses, KR29 A/C Compressor Clutch Relay
K8	EMPTY	—	—	Not Used
K9	EMPTY	—	—	Not Used
K10	EMPTY	—	—	Not Used
K11	CHMSL	KR41 Center High Mounted Stop Lamp Relay	—	E6 Center High Mounted Stop Lamp
K12	EMPTY	—	—	Not Used
K13	VAC PUMP	KR14 Brake Booster Pump Motor Relay	—	M9 Brake Booster Pump Motor (LFX)
K14	PRK LAMPS	KR125 Trailer Park Lamps Relay	—	F49UA, F50UA Fuses
K15	RUN/CRNK	KR73 Ignition Main Relay	—	F5UA, F13UA, F16UA, F17UA, F18UA, F19UA, F52UA, F53UA, F54UA, F57UA Fuses
K16	EMPTY	—	—	Not Used
K17	REAR WNDW DEFOG	KR5 Rear Defogger Relay	—	F28UA, F60UA, F63UA Fuses, E17D Outside Rearview Mirror Glass – Driver, E17P Outside Rearview Mirror Glass – Passenger, E18 Rear Defogger Grid
—	—	KR3 Horn Relay	—	F51UA Fuse

—	—	KR11 Windshield Washer Pump Relay	—	F56UA Fuse
—	—	KR46 Front Fog Lamp Relay	—	F48UA Fuse
—	—	KR48 Headlamp High Beam Relay	—	F37UA, F38UA Fuses
—	—	KR61 Trailer Backup Lamps Relay	—	X88 Trailer Connector (Z82), W8 Blunt Cut - Trailer Provision
—	—	KR63L Trailer Stop/Turn Signal Lamp Relay - Left	—	F65UA Fuse, X88 Trailer Connector (Z82), W8 Blunt Cut - Trailer Provision
—	—	KR63R Trailer Stop/Turn Signal Lamp Relay - Right	—	X88 Trailer Connector (Z82), W8 Blunt Cut - Trailer Provision
—	—	KR113 Child Security Lock Disable Relay	—	A23LR Door Latch Assembly - Left Rear, A23RR Door Latch Assembly - Right Rear, A23P Door Latch Assembly - Passenger
TP18	CKT 3271	TP18	—	—
TP19	—	TP19	—	Not Used
TP24	CKT 1619	TP24	—	—
TP26	CKT 1624	TP26	—	—

X50A Fuse Block - Underhood Bottom View



X50A Fuse Block - Underhood X1



Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 13262028
Service Connector: 13576528
Description: 82-Way F 1.5 DSQ, 2.8 Metri Pack 800 Series (BK)

Terminal Part Information

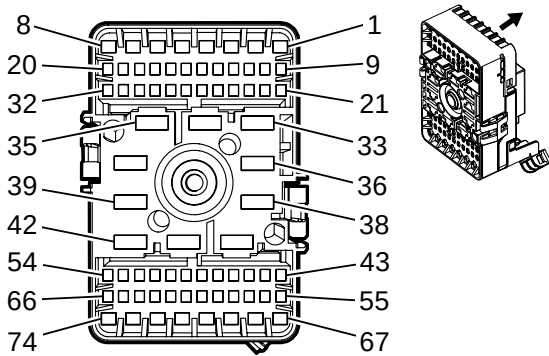
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327182	J-35616-35 (VT)	J-38125-36	2-964284-1	25	E	A
II	13327169	J-35616-14 (GN)	J-38125-560	962943-5	16	E	A
III	13327168	J-35616-44 (YE)	J-38125-558	Not Available	Not Available	Not Available	Not Available
IV	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
V	13327168	J-35616-14 (GN)	J-38125-560	962943-5	16	E	A
VI	13327116	J-35616-14 (GN)	J-38125-560	Not Available	Not Available	Not Available	Not Available

X50A Fuse Block - Underhood X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-7	-	-	-	Not Occupied	-	-
8	1.5	BN	2109	Trailer Park Lamp Supply Voltage	VI	-
9-10	-	-	-	Not Occupied	-	-
11	0.75	BN/GY	29	Horn Control	I	-
12	-	-	-	Not Occupied	-	-
13	0.75	WH	311	Right Headlamp High Beam Supply Voltage	II	-
14	0.75	WH	711	Left Headlamp High Beam Supply Voltage	II	-
15-29	-	-	-	Not Occupied	-	-
30	0.75	GY/VT	228	Windshield Washer Pump Control	II	-
31	0.75	BN/VT	2234	Front Fog Lamp Supply Voltage	II	-

32-34	-	-	-	Not Occupied	-	-
35	6	RD/GY	4840	Battery Positive Voltage	III	-
36-49	-	-	-	Not Occupied	-	-
50	2.5	BN/VT	1470	Brake Booster Pump Motor Supply Voltage	IV	-
51-67	-	-	-	Not Occupied	-	-
68	0.5	BN	6305	Brake Vacuum Switch Signal	V	-
69	0.5	WH/VT	4333	Aero Shutter Actuator Supply Voltage	V	-
70	-	-	-	Not Occupied	-	-
71	0.75	BK	1150	Ground	I	-
72	1.5	WH	92	Windshield Wiper Motor High Speed Control	VI	-
73	1.5	YE/BN	95	Windshield Wiper Motor Low Speed Control	VI	-
74	1.5	BK	3150	Ground	VI	-
75	0.5	VT/GY	1054	Stop Lamp Supply Voltage	I	-
76-79	-	-	-	Not Occupied	-	-
80	0.75	WH/VT	1430	Exterior Courtesy Lamp Supply Voltage	I	-
81-82	-	-	-	Not Occupied	-	-

X50A Fuse Block - Underhood X2



Connector Part Information

Harness Type: Body
OEM Connector: 13732284
Service Connector: 13576544
Description: 74-Way F 1.5 DSQ, 2.8 Metri Pack 800 Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	13327168	J-35616-14 (GN)	J-38125-560	962943-5	16	E	A
III	13327169	J-35616-14 (GN)	J-38125-560	962943-5	16	E	A
IV	13327104	J-35616-44 (YE)	J-38125-558	12092445	18	G	G
V	13327183	J-35616-35 (VT)	J-38125-36	4-965999-1	25	4	A
VI	13327104	J-35616-44 (YE)	J-38125-558	Not Available	Not Available	Not Available	Not Available
VII	19299860	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VIII	13327116	J-35616-14 (GN)	J-38125-560	Not Available	Not Available	Not Available	Not Available

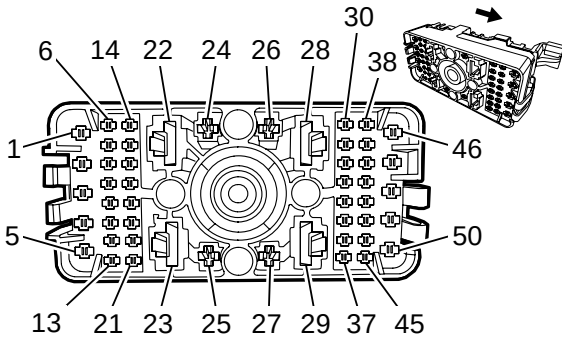
X50A Fuse Block - Underhood X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-3	-	-	-	Not Occupied	-	-
4	1.5 0.75	GY GY	295 295	Door Lock Actuator Lock Control Door Lock Actuator Lock Control	V	CREW CAB EXTENDED CAB
5	1.5	WH/L-BU	3266	Child Security Lock Motor Unlock Control	V	-
6-11	-	-	-	Not Occupied	-	-
12	1.5	GY/L-GN	3271	Door Lock Control (2)	I	-
13	0.5	VT/YE	3267	Child Security Lock Relay Control	II	-
14	0.75	VT/BK	2139	Run/Crank Ignition 1 Voltage	III	-
15-16	-	-	-	Not Occupied	-	-

15-16	-	-	-	Not Occupied	-	-
17	0.5	L-GN/VT	5199	Run/Crank Relay Coil Control	II	-
18	-	-	-	Not Occupied	-	-
19	0.5	BN/WH	1317	Fog Lamp Relay Control	II	-
20-21	-	-	-	Not Occupied	-	-
22	0.5	GY	91	Windshield Wiper Motor Relay Coil Supply Voltage	II	-
23	-	-	-	Not Occupied	-	-
24	0.5	L-BU	45	Park Lamp Relay Control	II	-
25	0.5	BN/WH	28	Horn Relay Control	II	-
26-29	-	-	-	Not Occupied	-	-
30	0.75	L-GN	1619	Right Rear Trailer Stop/Turn Lamp Supply Voltage	III	-
31-32	-	-	-	Not Occupied	-	-
33	2.5	RD/VT	542	Battery Positive Voltage	I	-
34	2.5	RD/YE	442	Battery Positive Voltage	I	-
35	-	-	-	Not Occupied	-	-
36	4	OG	742	Battery Positive Voltage	IV	-
37-38	-	-	-	Not Occupied	-	-
39	2.5	BN/VT	293	Rear Defog Element Supply Voltage	I	-
40	2.5	RD/GY	1342	Battery Positive Voltage	VI	-
41	4	RD/GY	1042	Battery Positive Voltage	IV	-
42	2.5	RD/L-GN	242	Battery Positive Voltage	I	-
43	0.5	BK	3150	Ground	II	-
44	-	-	-	Not Occupied	-	-
45	0.5	WH/VT	860	Front Windshield Wiper Switch High Signal	II	-
46	0.5	VT/WH	5065	Stop Lamp Relay Coil Supply Voltage	II	-
47	0.5	BN/WH	1429	Standing Lamp Relay Control	II	-
48	0.5	L-BU/BN	38	Backup Lamp Relay Control	II	-
49	0.5	L-BU/WH	5186	Left Trailer Turn Signal Lamp	II	-
50	-	-	-	Not Occupied	-	-
51	0.75	YE	1618	Left Rear Trailer Stop/Turn Lamp Supply Voltage	III	-
52	0.75	GY	1624	Trailer Backup Lamp Supply Voltage	III	-
53-55	-	-	-	Not Occupied	-	-

53-55	-	-	-	Not Occupied	-	-
56	0.75	RD/L-GN	5140	Battery Positive Voltage	III	-
57	-	-	-	Not Occupied	-	-
58	0.5	BN/VT	1969	Headlamp High Beam Relay Control	II	-
59	0.5	YE/GY	5187	Right Trailer Turn Signal Lamp	II	-
60	0.5	BN/GY	2268	Windshield Washer Relay Control	II	-
61	0.5	BN/VT	193	Rear Defog Relay Control	II	-
62	0.5	BN/YE	2267	Mirror Heating Element Supply Voltage	II	-
63-67	-	-	-	Not Occupied	-	-
68	0.75	RD/L-GN	6140	Battery Positive Voltage	VII	-
69	-	-	-	Not Occupied	-	-
70	2.5	RD/VT	1940	Battery Positive Voltage	VIII	-
71	-	-	-	Not Occupied	-	-
72	0.5	RD/BN	440	Battery Positive Voltage	VII	-
73	0.5	RD/L-GN	2440	Battery Positive Voltage	VII	-
74	0.5	RD/BN	5940	Battery Positive Voltage	VII	-

X50A Fuse Block - Underhood X3



Connector Part Information

Harness Type: Engine
OEM Connector: 13732282
Service Connector: 13505902
Description: 50-Way F 1.5, 2.8 DSQ Metri Pack 800 Series (BK)

Terminal Part Information

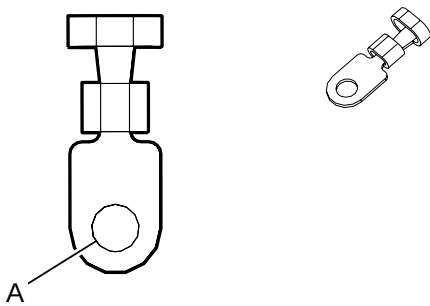
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	19299860	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
II	13327168	J-35616-14 (GN)	J-38125-560	962943-5	16	E	A
III	13327169	J-35616-14 (GN)	J-38125-560	962943-5	16	E	A
IV	13327183	J-35616-35 (VT)	J-38125-36	4-965999-1	25	4	A
V	13575773	J-35616-2A(GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VI	13575774	J-35616-2A(GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VII	13575781	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available

X50A Fuse Block - Underhood X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	VT/L-BU	5290	Powertrain Main Relay Fused Supply (1)	I	-
	0.75	VT/L-BU	5290	Powertrain Main Relay Fused Supply (1)		LCV
2	0.75	VT/L-BU	5291	Powertrain Main Relay Fused Supply (2)	I	-
3	0.75	VT/L-BU	5292	Powertrain Main Relay Fused Supply (3)	I	-
4	0.5	VT/BK	2139	Run/Crank Ignition 1 Voltage	I	-
5	2.5	YE	6	Starter Solenoid Crank Voltage	IV	-
6	0.5	VT/L-BU	5293	Powertrain Main Relay Fused Supply (4)	II	-
7	0.5	VT/L-BU	5294	Powertrain Main Relay Fused Supply (5)	II	-
8-10	-	-	-	Not Occupied	-	-
11	0.5	VT/GY	6386	Starter Enable Relay (PPEI 3) Control	II	-

11	0.5	VT/GY	6386	Starter Enable Relay (PPEI 3) Control	II	-
12-14	-	-	-	Not Occupied	-	-
15	0.5	BK	1450	Ground	V	-
16	-	-	-	Not Occupied	-	-
17	0.5	YE	5991	Powertrain Relay Coil Control	II	-
18-19	-	-	-	Not Occupied	-	-
20	0.75	VT/GY	139	Run/Crank Ignition 1 Voltage	III	-
21	0.5	BK	1450	Ground	II	-
22-26	-	-	-	Not Occupied	-	-
27	0.5	RD/WH	140	Battery Positive Voltage	I	-
28-33	-	-	-	Not Occupied	-	-
34	0.5	WH/GY	459	A/C Compressor Clutch Relay Control	II	-
35-36	-	-	-	Not Occupied	-	-
37	0.75	RD/L-GN	1840	Battery Positive Voltage	III	-
38-49	-	-	-	Not Occupied	-	-
50	0.75	BN/L-GN	59	A/C Compressor Clutch Supply Voltage	I	-

X50A Fuse Block - Underhood X4



Connector Part Information

Harness Type: Fuse Block - Underhood
OEM Connector: 15327720
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal (NA)

Terminal Part Information

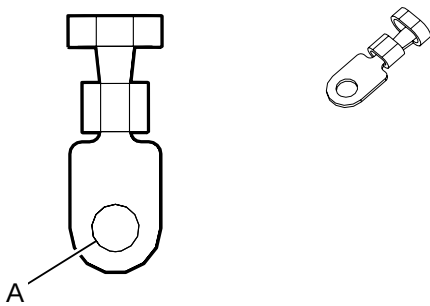
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	No Tool Required	Not Available	Not Available	Not Available	Not Available	Not Available

X50A Fuse Block - Underhood X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	35	RD/WH	4042	Battery Positive Voltage	I	—

cardiagn.com

X50A Fuse Block - Underhood X5



Connector Part Information

Harness Type: Fuse Block - Underhood
OEM Connector: ANJ76203
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal (NA)

Terminal Part Information

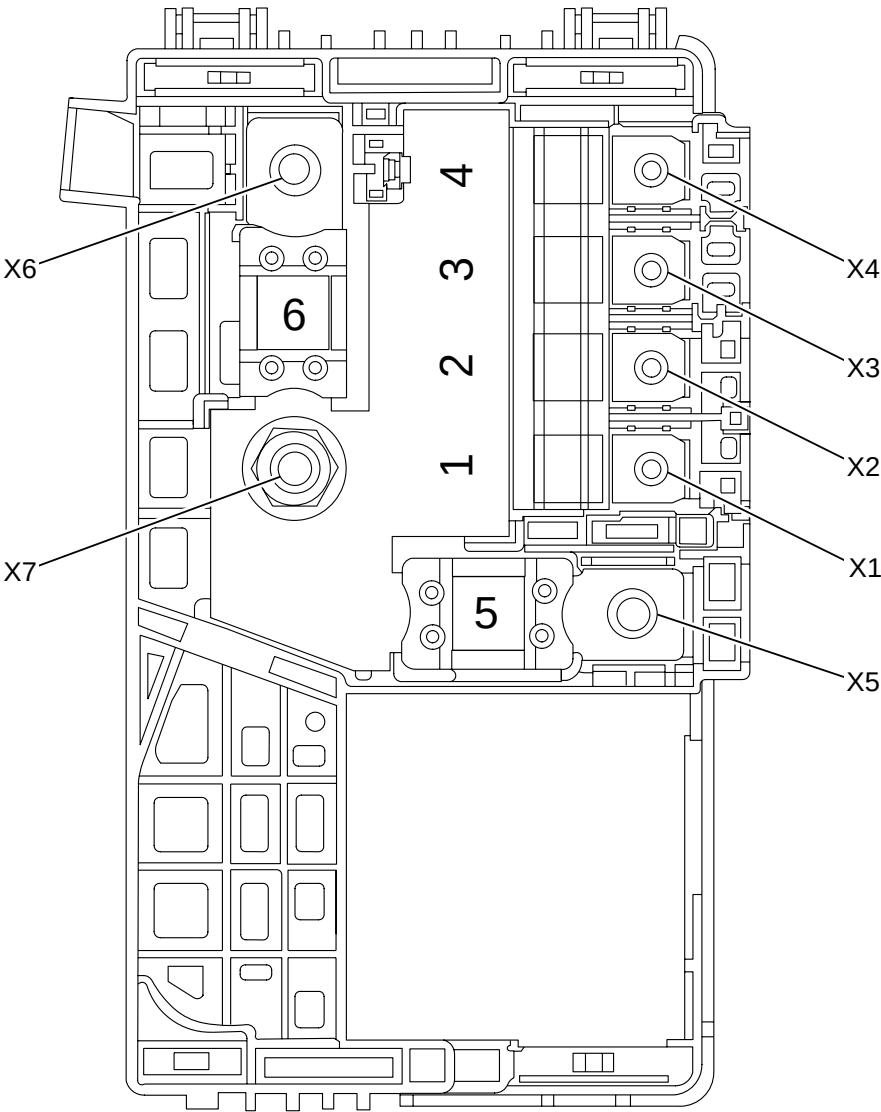
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	No Tool Required	Not Available	Not Available	Not Available	Not Available	Not Available

X50A Fuse Block - Underhood X5

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	25	RD/YE	2	Battery Positive Voltage	I	—

cardiagn.com

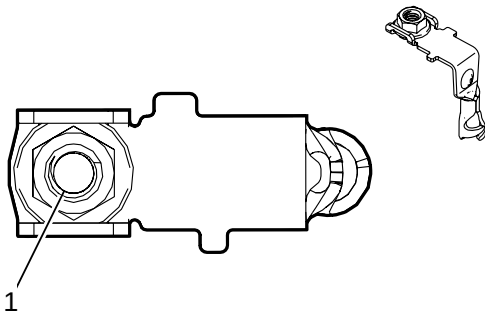
X50D Fuse Block - Battery Top View



X50D Fuse Block - Battery Usage

No.	Device Label Name	Device Assigned Name	Rating	Description
1	—	F1UB	100A	K43 Power Steering Control Module
2	—	F2UB	100A	X51A Fuse Block – Instrument Panel
3	—	F3UB	100A	X51A Fuse Block – Instrument Panel
4	—	F4UB	100A	K22 Cooling Fan Control Module
5	—	F5UB	250A	X50A Fuse Block – Underhood
6	—	F6UB	300A	M64 Starter Motor

X50D Fuse Block - Battery X1



Connector Part Information

Harness Type: Fuse Block - Battery
OEM Connector: 13371977
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal (NA)

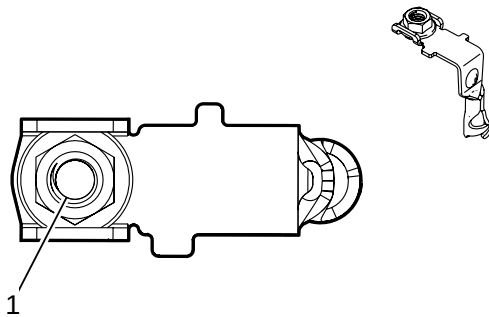
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	No Tool Required	Not Available	Not Available	Not Available	Not Available	Not Available

X50D Fuse Block - Battery X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	10	RD/VT	842	Battery Positive Voltage	I	—

X50D Fuse Block - Battery X2



Connector Part Information

Harness Type: Fuse Block - Battery
OEM Connector: 13371976
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal (NA)

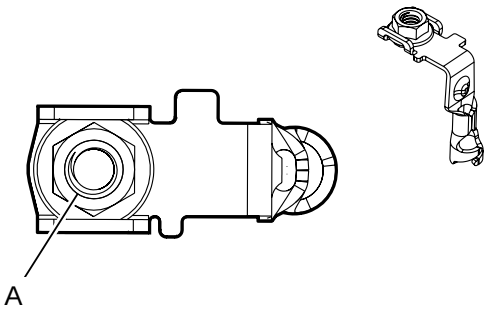
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	No Tool Required	Not Available	Not Available	Not Available	Not Available	Not Available

X50D Fuse Block - Battery X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	10	RD/L-BU	42	Battery Positive Voltage	I	—

X50D Fuse Block - Battery X3



Connector Part Information

Harness Type: Fuse Block - Battery
OEM Connector: 13371979
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal (NA)

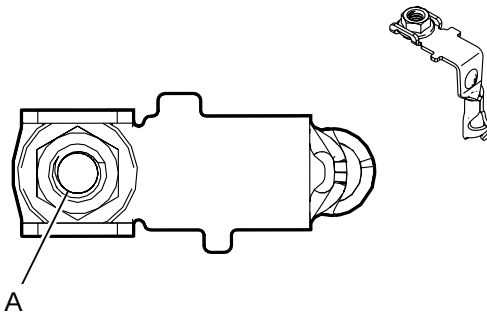
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	No Tool Required	Not Available	Not Available	Not Available	Not Available	Not Available

X50D Fuse Block - Battery X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	10	RD/VT	842	Battery Positive Voltage	I	—

X50D Fuse Block - Battery X4



Connector Part Information

Harness Type: Fuse Block - Battery
OEM Connector: 13371978
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal (NA)

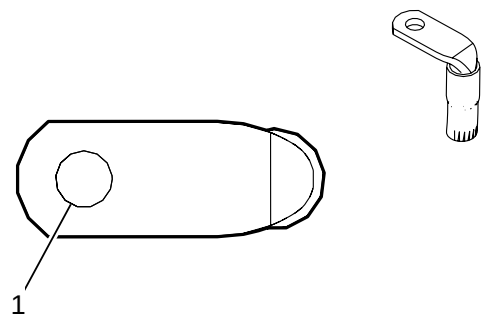
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	No Tool Required	Not Available	Not Available	Not Available	Not Available	Not Available

X50D Fuse Block - Battery X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	10	RD/GY	4840	Battery Positive Voltage	I	LFX

X50D Fuse Block - Battery X5



Connector Part Information

Harness Type: Fuse Block - Battery
OEM Connector: 13293547
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal (NA)

Terminal Part Information

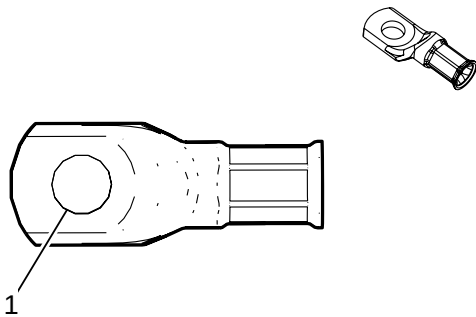
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	No Tool Required	Not Available	Not Available	Not Available	Not Available	Not Available

X50D Fuse Block - Battery X5

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	35	RD/WH	4042	Battery Positive Voltage	I	—

cardiagn.com

X50D Fuse Block - Battery X6



Connector Part Information

Harness Type: Fuse Block - Battery
OEM Connector: 10730988
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal (NA)

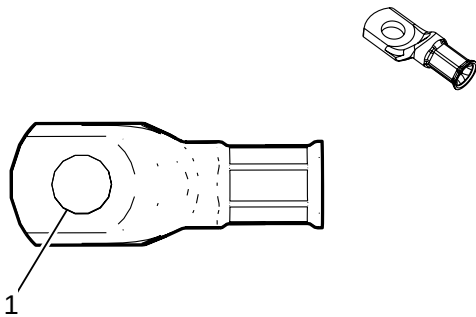
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	No Tool Required	Not Available	Not Available	Not Available	Not Available	Not Available

X50D Fuse Block - Battery X6

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	35	RD	2	Battery Positive Voltage	I	—

X50D Fuse Block - Battery X7



Connector Part Information

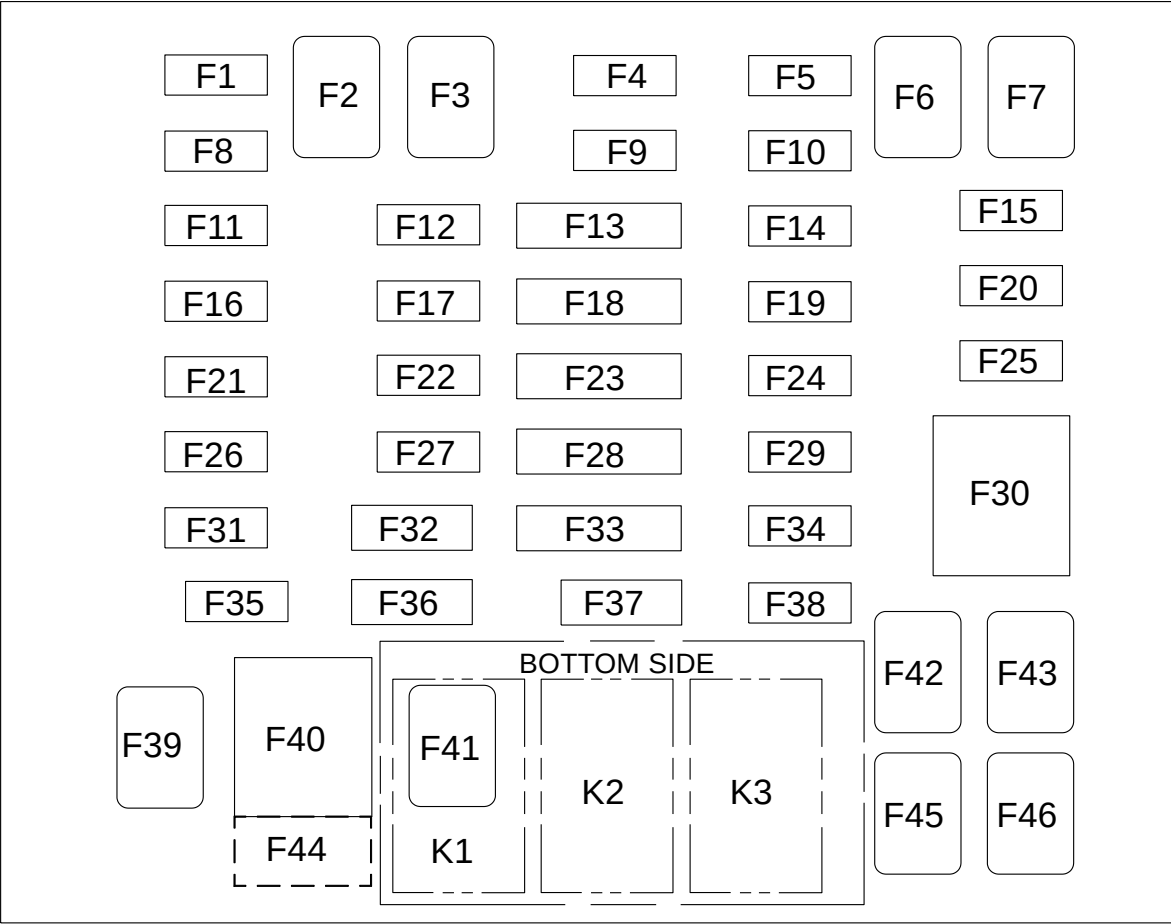
Harness Type: Fuse Block - Battery
OEM Connector: 13303048
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal (NA)

Terminal Part Information

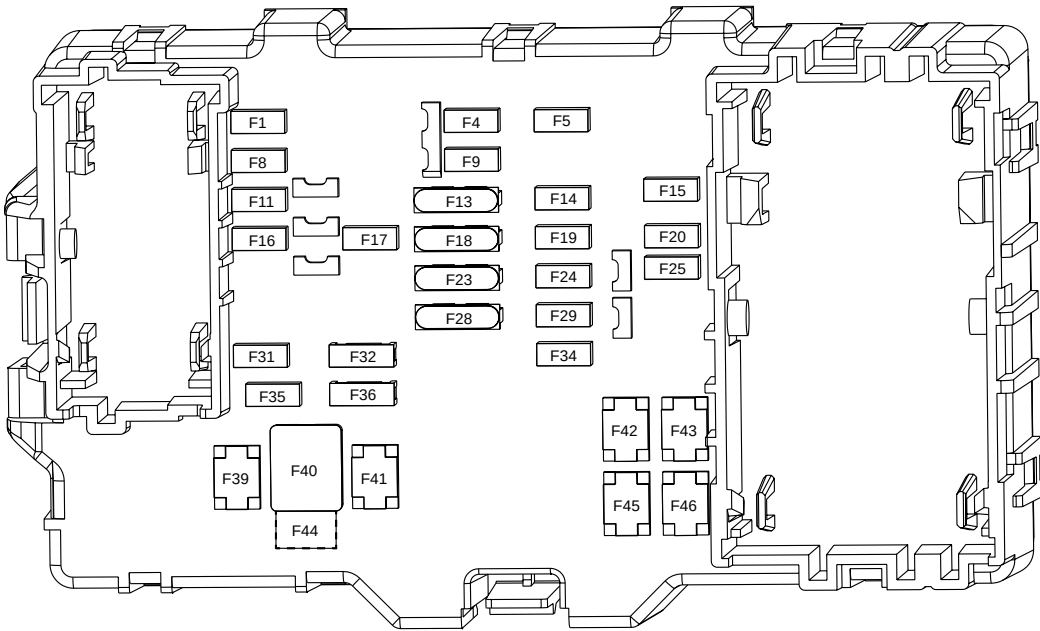
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	No Tool Required	Not Available	Not Available	Not Available	Not Available	Not Available

X50D Fuse Block - Battery X7

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	35	RD	1	Battery Positive Voltage	I	—



X51A Fuse Block - Instrument Panel Top View Fuses



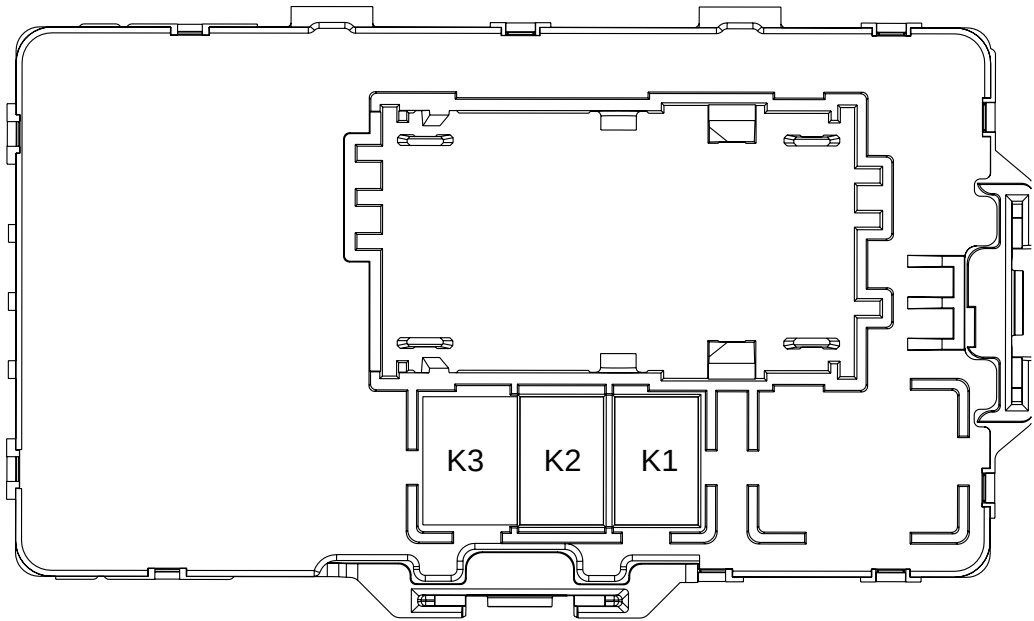
X51A Fuse Block – Instrument Panel Fuse Usage

No.	Device Label Name	Device Assigned Name	Rating	Description
F1	F1	F1DA	15A	K9 Body Control Module
F2	F2	F2DA	—	Not Used
F3	F3	F3DA	—	Not Used
F4	F4	F4DA	5A	S70L Steering Wheel Controls Switch – Left
F5	F5	F5DA	20A	K9 Body Control Module
F6	F6	F6DA	—	Not Used
F7	F7	F7DA	—	Not Used
F8	F8	F8DA	5A	S79D Window Switch – Driver (AXG), S52 Outside Rearview Mirror Switch (DL6/DL9)
F9	F9	F9DA	10A	P16 Instrument Cluster, P17 Info Display Module, S32D Seat Heating Switch – Driver (KA1), S32P Seat Heating Switch – Passenger (KA1), A26 HVAC Controls
F10	F10	F10DA	—	Not Used
F11	F11	F11DA	30A	K9 Body Control Module
F12	F12	F12DA	—	Not Used
F13	F13	F13DA	10A	K33 HVAC Control Module, K73 Telematics Communication Interface Control Module (UE1)
F14	F14	F14DA	20A	A11 Radio, K74 Human Machine Interface Control Module (IO4/IO5/IO6), A33 Media Disc Player (TG5)

				(TG5)
F15	F15	F15DA	15A	K9 Body Control Module
F16	F16	F16DA	20A	K9 Body Control Module
F17	F17	F17DA	20A	K9 Body Control Module
F18	F18	F18DA	10A	K85 Passenger Presence Module, K36 Inflatable Restraint Sensing and Diagnostic Module
F19	F19	F19DA	—	Not Used
F20	F20	F20DA	30A	T3 Audio Amplifier (UQA)
F21	F21	F21DA	—	Not Used
F22	F22	F22DA	—	Not Used
F23	F23	F23DA	10A	X84 Data Link Connector, X83 Auxiliary Audio Input
F24	F24	F24DA	5A	K33 HVAC Control Module
F25	F25	F25DA	20A	K9 Body Control Module
F26	F26	F26DA	—	Not Used
F27	F27	F27DA	—	Not Used
F28	F28	F28DA	10A	P14 Passenger Air Bag Disabled Indicator, P16 Instrument Cluster, and P43 Collision Alert Indicators (UEU)
F29	F29	F29DA	10A	B87 Rearview Camera (UVC), K69 Transfer Case Control Module (NQ6/NQ7), A10 Inside Rearview Mirror
F30	F30	F30DA	—	Not Used
F31	F31	F31DA	10A	B174 Frontview Camera
F32	F32	F32DA	2A	S48A Multifunction Switch - Instrument Panel, S77 Transfer Case Shift Control Switch (NQ6/NQ7), S30 Headlamp Switch, X85 Steering Wheel Air Bag Coil
F33	F33	F33DA	—	Not Used
F34	F34	F34DA	—	Not Used
F35	F35	F35DA	10A	P2 Transmission Shift Lever Position Indicator (MYB)
F36	F36	F36DA	2A	S39 Ignition Switch
F37	F37	F37DA	—	Not Used
F38	F38	F38DA	—	Not Used
F39	F39	F39DA	15A	X80B Accessory Power Receptacle – Center Console 2
F40	F40	F40DA	50A	F39DA, F41DA
F41	F41	F41DA	15A	X80A Accessory Power Receptacle – Center Console 1
F42	F42	F42DA	30A	M74D Window Motor – Driver (AXG), S79LR Window Switch – Left Rear (AXG)
F43	F43	F43DA	30A	S64D Seat Adjuster Switch – Driver (AL9)

F43	F43	F43DA	30A	S64D Seat Adjuster Switch – Driver (AL9)
F44	F44	F44DA	50A	X80A Accessory Power Receptacle – Center Console 1, X80B Accessory Power Receptacle – Center Console 2
F45	F45	F45DA	30A	S79P Window Switch – Passenger (AXG), S79RR Window Switch – Right Rear (AXG)
F46	F46	F46DA	30A	S64P Seat Adjuster Switch – Passenger (AAQ)

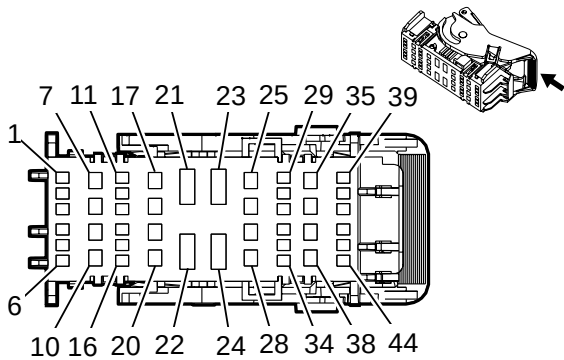
X51A Fuse Block - Instrument Panel Bottom View Relays



X51A Fuse Block - Instrument Panel Usage

No.	Device Label Name	Device Assigned Name	Rating	Description
Relays				
K1	K1	KR76 Retained Accessory Power Relay	—	F44DA, F35DA
K2	K2	KR73 Ignition Main Relay	—	F24DA, F28DA, F29DA
K3	K3	—	—	Not Used

X51A Fuse Block - Instrument Panel X1



Connector Part Information

Harness Type: Body
OEM Connector: 13967687
Service Connector: 19329455
Description: 44-Way F 1.5, 2.8, 800 Metri Pack Series (BK)

Terminal Part Information

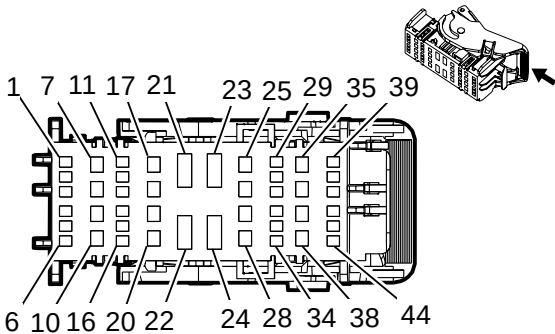
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	19119962	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
II	19329747	J-35616-35 (VT)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
III	Not Available	J-35616-44 (YE)	J-38125-558	12092445	18	E	1
IV	19119962	J-35616-2A (GY)	J-38125-560	13849930	Not Available	Not Available	Not Available
V	19119962	J-35616-2A (GY)	J-38125-560	PE200554	Not Available	Not Available	Not Available
VI	19329747	J-35616-35 (VT)	J-38125-12A	PE199135	Not Available	Not Available	Not Available
VII	13327190	J-35616-44 (YE)	J-38125-558	12092445	18	E	1

X51A Fuse Block - Instrument Panel X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/BN	2240	Battery Positive Voltage	V	-
2	0.5	RD/GY	2840	Battery Positive Voltage	V	-
3	0.35	RD/YE	3040	Battery Positive Voltage	V	-
4	0.5	RD/GY	2140	Battery Positive Voltage	V	-
5	0.5	RD/L-GN	4440	Battery Positive Voltage	V	-
6-13	-	-	-	Not Occupied	-	-
14	0.35	RD/L-BU	3240	Battery Positive Voltage	V	-
15	-	-	-	Not Occupied	-	-
16	0.35	RD/VT	1940	Battery Positive Voltage	V	-

17	2.5	RD/YE	3740	Battery Positive Voltage	VI	-
18	1.5	RD/WH	2740	Battery Positive Voltage	VI	-
19	1.5	RD/VT	2640	Battery Positive Voltage	VI	-
20	-	-	-	Not Occupied	-	-
21	10	RD/VT	842	Battery Positive Voltage	III	-
22	-	-	-	Not Occupied	-	-
23	10	RD/L-BU	42	Battery Positive Voltage	III	-
24	-	-	-	Not Occupied	-	-
25	2.5	RD/L-BU	1240	Battery Positive Voltage	VI	-
26	-	-	-	Not Occupied	-	-
27	2.5	RD/YE	5040	Battery Positive Voltage	VI	-
28-31	-	-	-	Not Occupied	-	-
32	0.35	VT/L-GN	1739	Run/Crank Ignition 1 Voltage	V	-
33-34	-	-	-	Not Occupied	-	-
35	2.5	RD/WH	1340	Battery Positive Voltage	VI	-
36	2.5	RD/BN	1440	Battery Positive Voltage	VI	-
37-41	-	-	-	Not Occupied	-	-
42	0.35	L-GN/VT	5199	Run/Crank Relay Coil Control	V	-
43	0.35	GY/VT	755	RAP Relay Coil Control	V	-
44	0.35	VT	801	Retained Accessory Power Fuse Supply Voltage	V	-

X51A Fuse Block - Instrument Panel X2



Connector Part Information

Harness Type: Body
OEM Connector: 13967688
Service Connector: 19329456
Description: 44-Way F 1.5, 2.8, 800 Metri Pack Series (GY)

Terminal Part Information

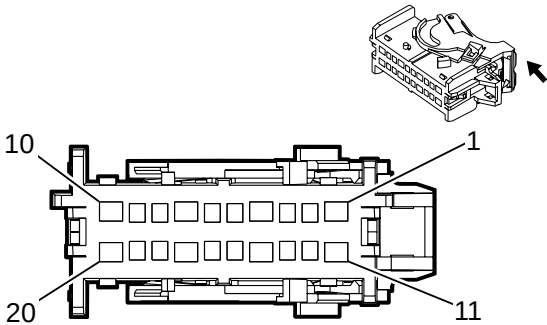
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	19329747	J-35616-35 (VT)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	19119962	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

X51A Fuse Block - Instrument Panel X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-2	-	-	-	Not Occupied	-	-
3	0.35	YE	6817	LED Backlight Dimming Control	II	-
4	0.35	BN	6136	Supply Voltage	II	-
5	0.5	RD/L-BU	540	Battery Positive Voltage	II	-
6	-	-	-	Not Occupied	-	-
7	2.5	RD/VT	4040	Battery Positive Voltage	I	-
8	2.5	RD/YE	2340	Battery Positive Voltage	I	-
9	-	-	-	Not Occupied	-	-
10	1.5	VT	2101	Retained Accessory Power Fuse Supply Voltage	I	-
11-13	-	-	-	Not Occupied	-	-
14	0.5	RD/VT	340	Battery Positive Voltage	II	-
15-17	-	-	-	Not Occupied	-	-
18	2.5	RD/L-GN	2440	Battery Positive Voltage	I	-
19	-	-	-	Not Occupied	-	-

20	1.5	VT	1701	Retained Accessory Power Fuse Supply Voltage	I	-
21-24	-	-	-	Not Occupied	-	-
25	0.5	RD/VT	3340	Battery Positive Voltage	I	-
26	-	-	-	Not Occupied	-	-
27	0.5	RD/WH	640	Battery Positive Voltage	I	-
28	0.5	VT/BK	1639	Run/Crank Ignition 1 Voltage	I	-
29-34	-	-	-	Not Occupied	-	-
35	1	RD/VT	340	Battery Positive Voltage	I	-
36	-	-	-	Not Occupied	-	-
37	0.35	VT/GY	539	Run/Crank Ignition 1 Voltage	I	-
38	0.5	VT/L-GN	1739	Run/Crank Ignition 1 Voltage	I	-
39-43	-	-	-	Not Occupied	-	-
44	0.75	BK	2050	Ground	II	-

X51A Fuse Block - Instrument Panel X3



Connector Part Information

Harness Type: Body
OEM Connector: 13924034
Service Connector: 15522322
Description: 20-Way F 1.5, 2.8 Series (BK)

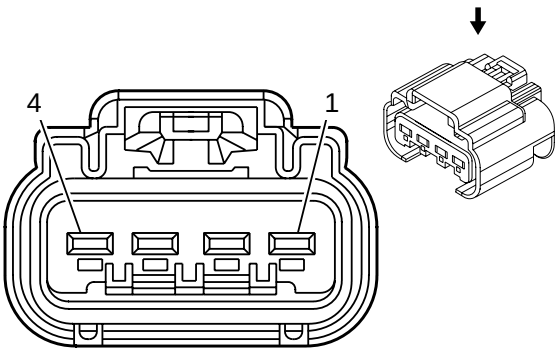
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	19119962	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
II	19329747	J-35616-35 (VT)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

X51A Fuse Block - Instrument Panel X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-11	-	-	-	Not Occupied	-	-
12	0.35	RD/L-GN	3140	Battery Positive Voltage	I	-
13	0.5	VT/L-GN	1739	Run/Crank Ignition 1 Voltage	I	-
14	0.35	VT/WH	1139	Run/Crank Ignition 1 Voltage	II	-
15-20	-	-	-	Not Occupied	-	-

A7 Fuel Pump and Level Sensor Assembly



Connector Part Information

Harness Type: Chassis
OEM Connector: 88988992
Service Connector: 13587174
Description: 4-Way F 280 GT Series, Sealed (NA with BU Terminal Position Assurance)

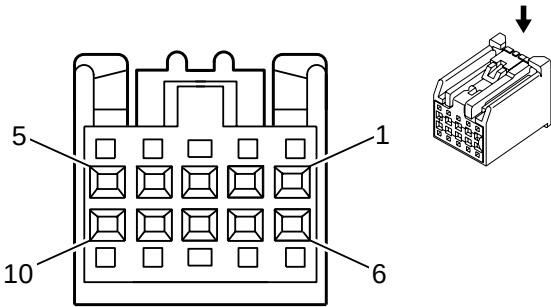
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-4A (PU)	Not Available	Not Available	Not Available	Not Available	Not Available

A7 Fuel Pump and Level Sensor Assembly

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	GY	120	Fuel Pump Supply Voltage	I	-
2	2.5	BK/L-GN	1580	Fuel Pump Low Reference	I	-
3	0.5	BK/L-GN	6281	Fuel Level Sensor Low Reference	I	-
4	0.5	L-BU/VT	1589	Primary Fuel Level Sensor Signal	I	-

A10 Inside Rearview Mirror



Connector Part Information

Harness Type: Headliner
OEM Connector: AIT2PB-10P-2AK
Service Connector: 13577390
Description: 10-Way F 0.64 Kaizen Series (BK)

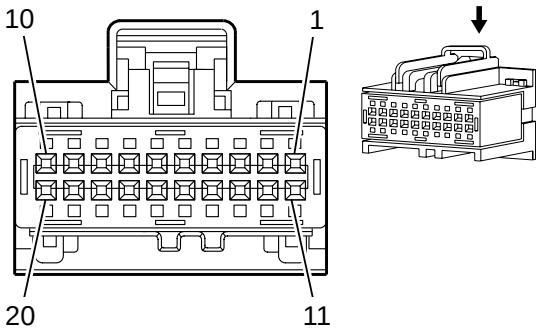
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

A10 Inside Rearview Mirror

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN/WH	24	Backup Lamp Supply Voltage	I	-
2	0.5	VT/L-GN	1739	Run/Crank Ignition 1 Voltage	I	-
3	0.35	L-GN/WH	2514	Keypad Signal	I	-
4	0.35	L-GN/BK	2515	Keypad Supply Voltage	I	-
5	0.5	BK	3150	Ground	I	-
6	0.35	YE/VT	2516	Keypad Green LED	I	-
7	0.35	BN/WH	2517	Keypad Red LED	I	-
8-10	-	-	-	Not Occupied	-	-

A11 Radio X1



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 31410-1201
Service Connector: 15126710
Description: 20-Way F 64 Series, Sealed (GY with WH Terminal Position Assurance)

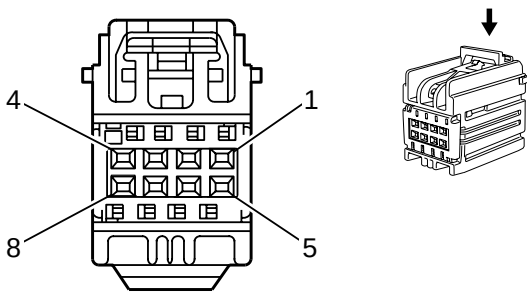
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575845	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

A11 Radio X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-3	-	-	-	Not Occupied	-	-
4	0.35	WH/L-BU	6973	Camera Signal #2	I	-
5	0.35	GY/YE	6972	Camera Signal #2 +	I	-
6	0.5	BARE	5842	Auxiliary Audio Screen (2)	I	-
7	0.35	L-BU	2060	Auxiliary Detection Signal	I	-
8	0.35	VT	5843	Auxiliary Audio Common Signal	I	-
9	0.35	GY	5839	Left Auxiliary Audio Signal (2)	I	-
10	0.35	L-GN	5841	Right Auxiliary Audio Signal (2)	I	-
11-12	-	-	-	Not Occupied	-	-
13	0.5	L-GN/L-BU	7532	Linear Interconnect Network Bus 10	I	-
14	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
15-18	-	-	-	Not Occupied	-	-
19	0.35	BK/YE	659	Cellular Telephone Voice Low Reference	I	-
20	0.35	YE	658	Cellular Telephone Voice Signal	I	-

A11 Radio X2



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 7283-9029-40
Service Connector: 19115653
Description: 8-Way F YESC Kaizen Series (L-GY)

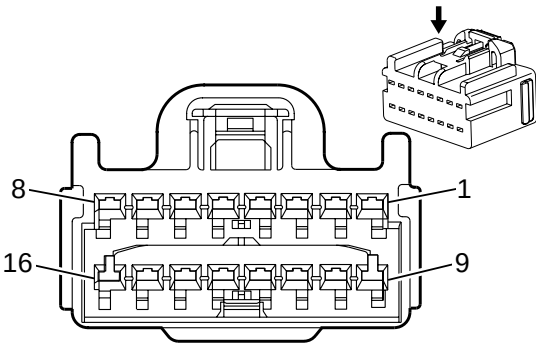
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

A11 Radio X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/L-GN	3997	MOST Serial Data (-)	I	-
2	0.5	GY/VT	3998	MOST Serial Data (+)	I	-
3	0.5	WH/L-GN	3997	MOST Serial Data (-)	I	-
4	0.5	GY/VT	3998	MOST Serial Data (+)	I	-
5-6	-	-	-	Not Occupied	-	-
7	0.35	WH/VT	3999	MOST Control	I	-
8	-	-	-	Not Occupied	-	-

A11 Radio X3



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 7283-6453-60
Service Connector: 89047090
Description: 16-Way F 1.5 Kaizen Series (GN)

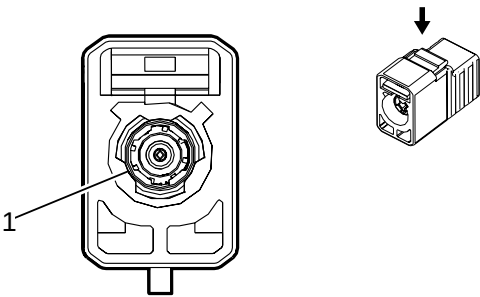
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575829	J-35616-2A (GY)	J-38125-11A	Not Available	Not Available	Not Available	Not Available

A11 Radio X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	L-BU	201	Left Front Speaker (+) (1)	I	-
2	0.75	YE	200	Right Front Speaker (+) (1)	I	-
3	0.75	L-GN	199	Left Rear Speaker (+)	I	-
4	0.75	WH	46	Right Rear Speaker (+)	I	-
5-7	-	-	-	Not Occupied	-	-
8	1	RD/VT	340	Battery Positive Voltage	I	-
9	0.75	BN/L-BU	118	Left Front Speaker Signal (-) (1)	I	-
10	0.75	YE/BK	117	Right Front Speaker Signal (-) (1)	I	-
11	0.75	L-GN/BK	116	Left Rear Speaker Signal (-)	I	-
12	0.75	L-BU/BK	115	Right Rear Speaker Signal (-)	I	-
13-15	-	-	-	Not Occupied	-	-
16	1	BK/WH	2051	Signal Ground	I	-

A11 Radio X4



Connector Part Information

Harness Type: Instrument Panel COAX
OEM Connector: 13581701
Service Connector: Service by Cable Assembly - See Part Catalog
Description: 1-Way F COAX (BK)

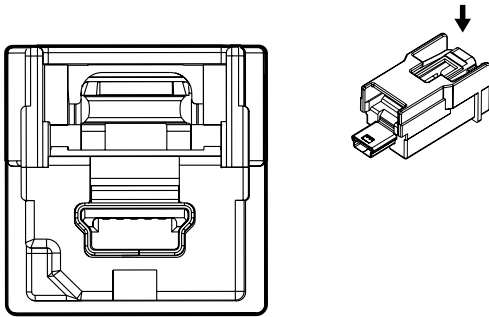
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

A11 Radio X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
-	-	COAX	-	(AM/FM) Antenna RF Signal	I	-

A11 Radio X7



Connector Part Information

Harness Type: Instrument Panel LVDS
OEM Connector: 13581318
Service Connector: Service by Harness - See Part Catalog
Description: 5-Way M 2.0 Mini B USB Type (GY)

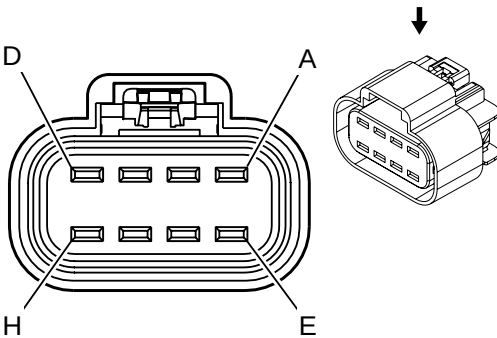
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

A11 Radio X7

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
-	-	LVDS	-	(Navigation) Navigation Display Signal	I	-

A16 Transfer Case Motor (NQ6/NQ7)



Connector Part Information

Harness Type: Engine
OEM Connector: 13538370
Service Connector: 19329743
Description: 8-Way F 280 GT 5.8 Series, Sealed (BK)
Harness Type: Engine
OEM Connector: 19153749
Service Connector: 19329743
Description: 8-Way F 280 GT 5.8 Series, Sealed (BK)

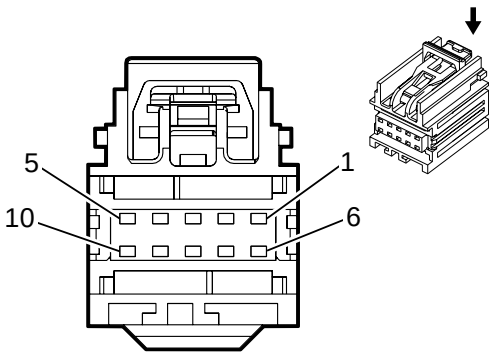
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-4A (PU)	Not Available	Not Available	Not Available	Not Available	Not Available

A16 Transfer Case Motor (NQ6/NQ7)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	2.5	YE/GY	1552	Transfer Case Motor Clockwise Control	I	-
B	2.5	RD/GY	1342	Battery Positive Voltage	I	NQ6
C	2.5	YE/BN	1569	Transfer Case Lock Solenoid Control	I	NQ6
D	2.5	YE/VT	1553	Transfer Case Motor Counter Clockwise Control	I	-
E	0.5	L-BU/GY	7473	Incremental Encoder Impulse Signal	I	-
F	0.5	YE	7474	Incremental Encoder Direction Signal	I	-
G	0.5	WH/L-GN	7475	Incremental Encoder Sensor (8V) Supply	I	-
H	0.5	VT	7476	Incremental Encoder Sensor Return	I	-

A23D Door Latch Assembly - Driver



Connector Part Information

Harness Type: Driver Door
OEM Connector: 7283-9043-60
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 0.64 YESC Kaizen Series (GN)

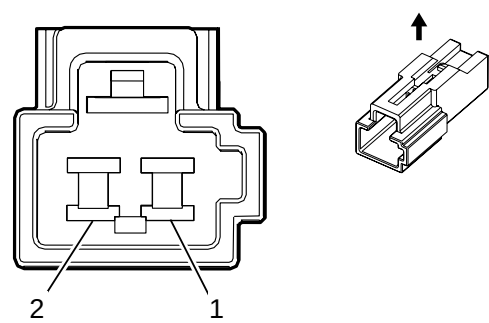
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

A23D Door Latch Assembly - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY	745	Left Front Door Ajar Switch Signal	I	-
2	-	-	-	Not Occupied	-	-
3	0.35	BK	3550	Ground	I	-
4	0.35	WH/VT	3270	Driver Door Lock Motor Status	I	-
5	0.35	L-BU/VT	1124	Door Lock Key Switch Unlock Signal	I	-
6	-	-	-	Not Occupied	-	-
7	0.75	GY	5911	Door Lock Actuator Lock Control 2	I	-
8	0.75	BN/YE	294	Door Lock Actuator Unlock Control	I	-
9-10	-	-	-	Not Occupied	-	-

A23G Door Latch Assembly - Left Rear Lower (Extended Cab)



Connector Part Information

Harness Type: Left Rear Door
OEM Connector: 7282-1020
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 090 Series (BU)

Terminal Part Information

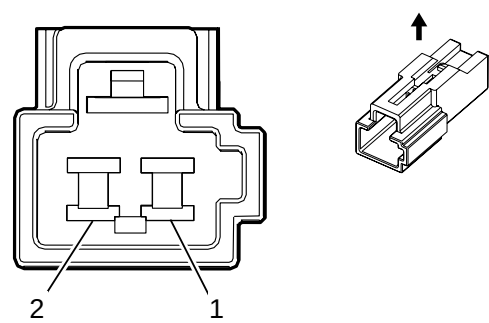
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

A23G Door Latch Assembly - Left Rear Lower (Extended Cab)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	3350	Ground	I	-
2	0.35	GY	747	Left Rear Door Ajar Switch Signal	I	-

cardiagn.com

A23H Door Latch Assembly - Left Rear Upper (Extended Cab)



Connector Part Information

Harness Type: Left Rear Door
OEM Connector: 7282-1020
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 090 Series (BU)

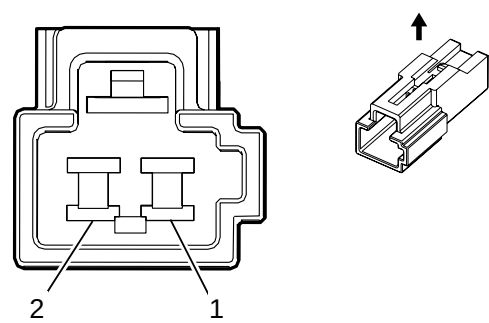
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

A23H Door Latch Assembly - Left Rear Upper (Extended Cab)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	3350	Ground	I	-
2	0.35	GY	747	Left Rear Door Ajar Switch Signal	I	-

A23J Door Latch Assembly - Right Rear Lower (Extended Cab)



Connector Part Information

Harness Type: Right Rear Door
OEM Connector: 7282-1020
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 090 Series (BU)

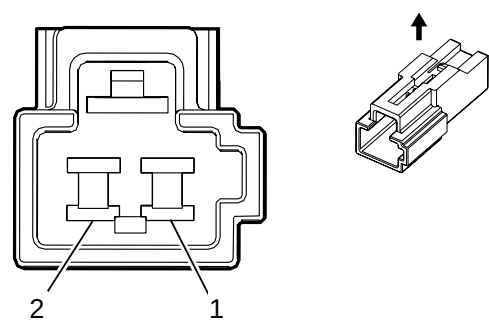
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

A23J Door Latch Assembly - Right Rear Lower (Extended Cab)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	3450	Ground	I	-
2	0.35	GY	748	Right Rear Door Ajar Switch Signal	I	-

A23K Door Latch Assembly - Right Rear Upper (Extended Cab)



Connector Part Information

Harness Type: Right Rear Door
OEM Connector: 7282-1020
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 090 Series (BU)

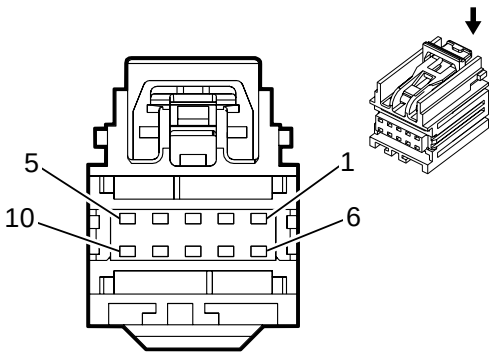
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

A23K Door Latch Assembly - Right Rear Upper (Extended Cab)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	3450	Ground	I	-
2	0.35	GY	748	Right Rear Door Ajar Switch Signal	I	-

A23LR Door Latch Assembly - Left Rear (Crew Cab)



Connector Part Information

Harness Type: Left Rear Door
OEM Connector: 7283-9043-60
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 0.64 YESC Kaizen Series (GN)

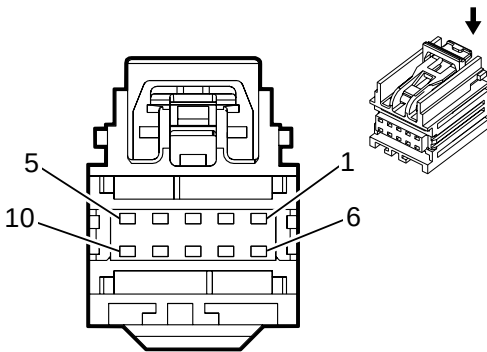
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

A23LR Door Latch Assembly - Left Rear (Crew Cab)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY	747	Left Rear Door Ajar Switch Signal	I	-
2	0.35	BN/WH	3269	Child Security Lock Motor Status Signal Left Rear	I	-
3	0.35	BK	3350	Ground	I	-
4-6	-	-	-	Not Occupied	-	-
7	0.75	GY	295	Door Lock Actuator Lock Control	I	-
8	0.75	BN/YE	294	Door Lock Actuator Unlock Control	I	-
9	0.75	WH/L-BU	3266	Child Security Lock Motor Unlock Control	I	-
10	-	-	-	Not Occupied	-	-

A23P Door Latch Assembly - Passenger



Connector Part Information

Harness Type: Passenger Door
OEM Connector: 7283-9043-60
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 0.64 YESC Kaizen Series (GN)

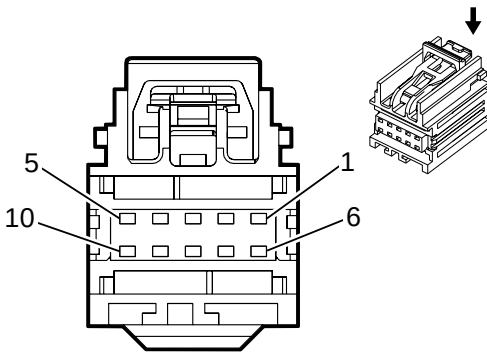
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

A23P Door Latch Assembly - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-2	-	-	-	Not Occupied	-	-
3	0.35	BK	3650	Ground	I	-
4	-	-	-	Not Occupied	-	-
5	0.35	GY	746	Right Front Door Ajar Switch Signal	I	-
6-7	-	-	-	Not Occupied	-	-
8	0.75	BN/YE	294	Door Lock Actuator Unlock Control	I	-
9	0.75	GY	295	Door Lock Actuator Lock Control	I	-
10	-	-	-	Not Occupied	-	-

A23RR Door Latch Assembly - Right Rear (Crew Cab)



Connector Part Information

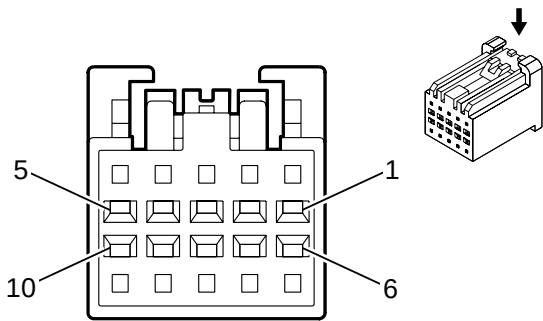
Harness Type: Right Rear Door
OEM Connector: 7283-9043-60
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 0.64 YESC Kaizen Series (GN)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

A23RR Door Latch Assembly - Right Rear (Crew Cab)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-2	-	-	-	Not Occupied	-	-
3	0.35	BK	3450	Ground	I	-
4	0.35	GY/BK	3268	Child Security Lock Motor Status Signal Right Rear	I	-
5	0.35	GY	748	Right Rear Door Ajar Switch Signal	I	-
6	-	-	-	Not Occupied	-	-
7	0.75	WH/L-BU	3266	Child Security Lock Motor Unlock Control	I	-
8	0.75	BN/YE	294	Door Lock Actuator Unlock Control	I	-
9	0.75	GY	295	Door Lock Actuator Lock Control	I	-
10	-	-	-	Not Occupied	-	-



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: AIT2PB-10P-2BH
Service Connector: 19299775
Description: 10-Way F 0.64 Kaizen Series (GY)

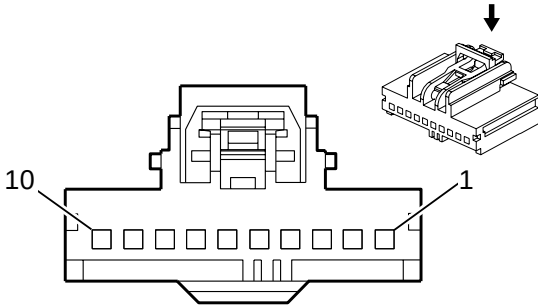
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

A26 HVAC Controls

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/GY	2840	Battery Positive Voltage	I	-
2	-	-	-	Not Occupied	-	-
3	0.35	L-GN	5060	Low Speed GMLAN Serial Data	I	-
4-8	-	-	-	Not Occupied	-	-
9	0.35	L-GN/YE	7531	Linear Interconnect Network Bus 9	I	-
10	0.35	BK/WH	2051	Signal Ground	I	-

A33 Media Disc Player (TG5)



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 7283-9088-30
Service Connector: 89047355
Description: 10-Way F 0.64 Kaizen Series (BK)

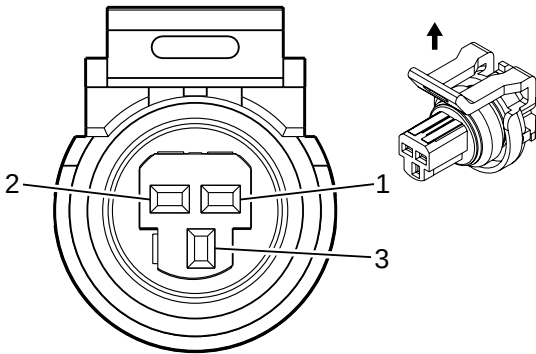
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575845	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
II	19303553	J-35616-64B (L-BU)	J-38125-11A	Not Available	Not Available	Not Available	Not Available

A33 Media Disc Player (TG5)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/VT	3999	MOST Control	I	-
2	-	-	-	Not Occupied	-	-
3	0.5	WH/L-GN	3997	MOST Serial Data (-)	I	-
4	0.5	GY/VT	3998	MOST Serial Data (+)	I	-
5	0.5	WH/L-GN	3997	MOST Serial Data (-)	I	-
6	0.5	GY/VT	3998	MOST Serial Data (+)	I	-
7	-	-	-	Not Occupied	-	-
8	0.75	BK/WH	2051	Signal Ground	II	-
9	-	-	-	Not Occupied	-	-
10	0.75	RD/VT	340	Battery Positive Voltage	II	-

B1 A/C Refrigerant Pressure Sensor



Connector Part Information

Harness Type: Engine
OEM Connector: 13532244
Service Connector: 88988301
Description: 3-Way F 150 GT Series, Sealed (BK)

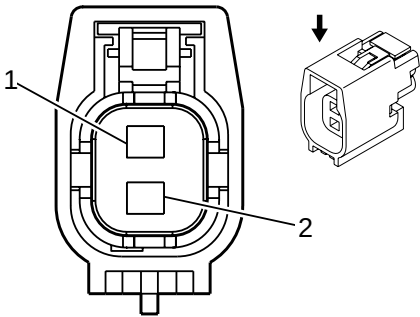
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-14 (GN)	Not Available	Not Available	Not Available	Not Available	Not Available

B1 A/C Refrigerant Pressure Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/BN	5514	A/C Refrigerant Pressure Sensor Low Reference	I	-
2	0.5	BN/RD	2700	A/C Pressure Sensor 5 Volt Reference	I	-
3	0.5	L-GN	380	A/C Refrigerant Pressure Sensor Signal	I	-

B5LF Wheel Speed Sensor - Left Front



Connector Part Information

Harness Type: Chassis
OEM Connector: 19153615
Service Connector: 13586115
Description: 2-Way F 1.5 GT Series, Sealed (BK)

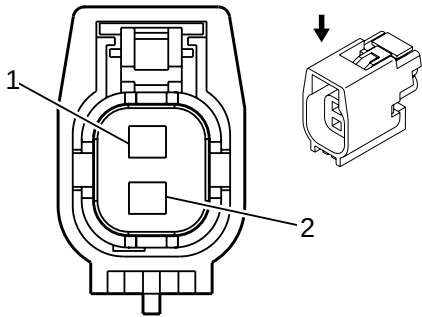
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

B5LF Wheel Speed Sensor - Left Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/WH	7064	Wheel Speed Sensor Supply Voltage Left Front	I	-
2	0.5	GY	830	Wheel Speed Sensor Signal Left Front	I	-

B5LR Wheel Speed Sensor - Left Rear



Connector Part Information

Harness Type: Chassis
OEM Connector: 19153615
Service Connector: 13586115
Description: 2-Way F 1.5 GT Series, Sealed (BK)

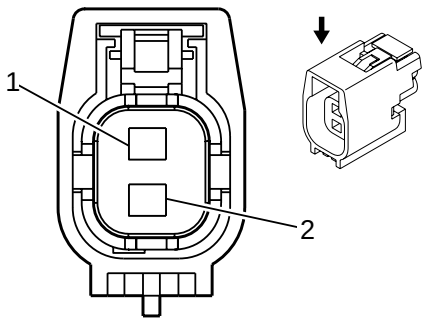
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

B5LR Wheel Speed Sensor - Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/BK	7127	Wheel Speed Sensor Supply Voltage Left Rear	I	-
2	0.5	L-BU	884	Wheel Speed Sensor Signal Left Rear	I	-

B5RF Wheel Speed Sensor - Right Front



Connector Part Information

Harness Type: Chassis
OEM Connector: 19153615
Service Connector: 13586115
Description: 2-Way F 1.5 GT Series, Sealed (BK)

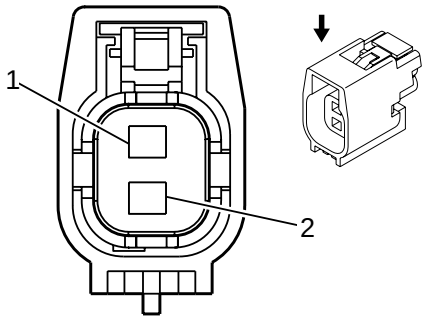
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

B5RF Wheel Speed Sensor - Right Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/BN	7065	Wheel Speed Sensor Supply Voltage Right Front	I	-
2	0.5	YE	872	Wheel Speed Sensor Signal Right Front	I	-

B5RR Wheel Speed Sensor - Right Rear



Connector Part Information

Harness Type: Chassis
OEM Connector: 19153615
Service Connector: 13586115
Description: 2-Way F 1.5 GT Series, Sealed (BK)

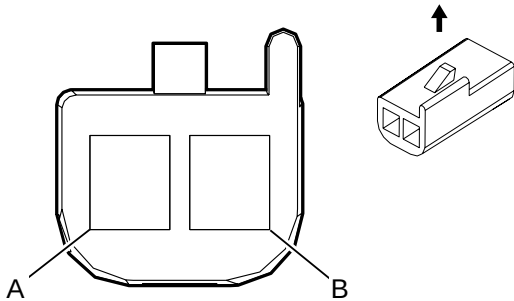
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

B5RR Wheel Speed Sensor - Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/YE	7128	Wheel Speed Sensor Supply Voltage Right Rear	I	-
2	0.5	VT	882	Wheel Speed Sensor Signal Right Rear	I	-

B7B Air Temperature Sensor - Duct Lower (C68)



Connector Part Information

Harness Type: HVAC
OEM Connector: 12047662
Service Connector: 12085535
Description: 2-Way F 150 Metri Pack Series (BK)

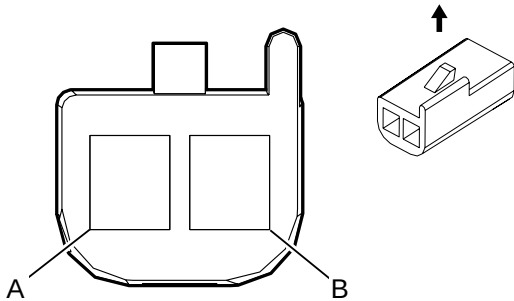
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575464	J-35616-14 (GN)	J-38125-12A	15326030	2	E	C

B7B Air Temperature Sensor - Duct Lower (C68)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.35	BN	518	Lower Left Air Temperature Sensor Signal	I	C68
B	0.35	BK/YE	407	Sensor Low Reference	I	C68

B7F Air Temperature Sensor - Duct Upper (C68)



Connector Part Information

Harness Type: HVAC
OEM Connector: 12047662
Service Connector: 12085535
Description: 2-Way F 150 Metri Pack Series (BK)

Terminal Part Information

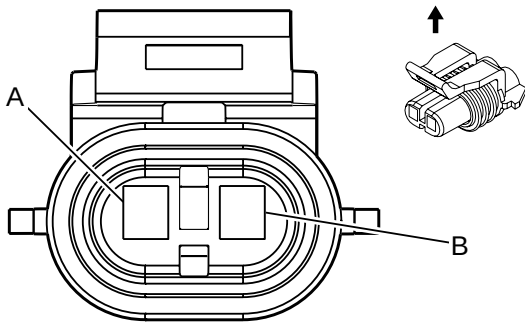
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575464	J-35616-14 (GN)	J-38125-12A	15326030	2	E	C

B7F Air Temperature Sensor - Duct Upper (C68)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.35	BN	516	Upper Left Air Temperature Sensor Signal	I	C68
B	0.35	BK/YE	407	Sensor Low Reference	I	C68

cardiagn.com

B9 Ambient Air Temperature Sensor



Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 13543521
Service Connector: 12101856
Description: 2-Way F 150 Metri Pack Series, Sealed (BK)

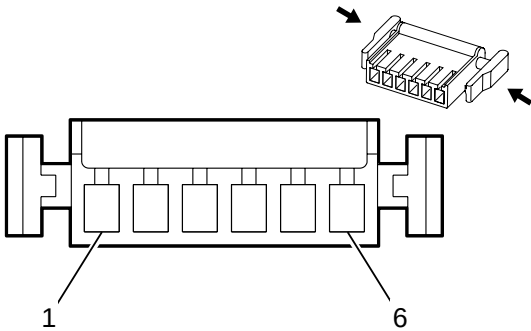
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-14 (GN)	J-38125-12A	12048074	2	E	1

B9 Ambient Air Temperature Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	L-BU/GY	636	Outside Ambient Air Temperature Sensor Signal	I	-
B	0.5	BK/L-BU	61	Outside Ambient Temperature Sensor Low Reference	I	-

B10B Ambient Light/Sunload Sensor



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13726957
Service Connector: 13576539
Description: 6-Way F 0.64 Micro Quadlock Series (BK)

Terminal Part Information

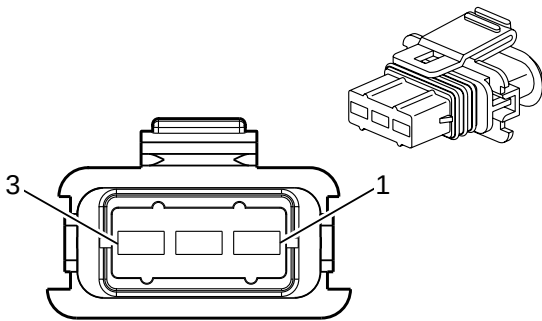
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B10B Ambient Light/Sunload Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY	728	Security Indicator Control	I	-
2	-	-	-	Not Occupied	-	-
3	0.35	L-BU/WH	734	Inside Air Temperature Sensor Signal	I	-
4	0.35	YE/VT	1783	Twilight Sentinel Delay Signal	I	-
5	0.35	WH/L-BU	278	Ambient Light Sensor Signal	I	-
6	0.35	BK/YE	1791	Air Temperature Door Control Low Reference	I	-

cardiagn.com

B14A Transmission Output Shaft Speed Sensor (N8D)



Connector Part Information

Harness Type: Engine
OEM Connector: 1928403110
Service Connector: 19329746
Description: 3-Way F 2.8 Junior Power Timer Series, Sealed (BK)

Terminal Part Information

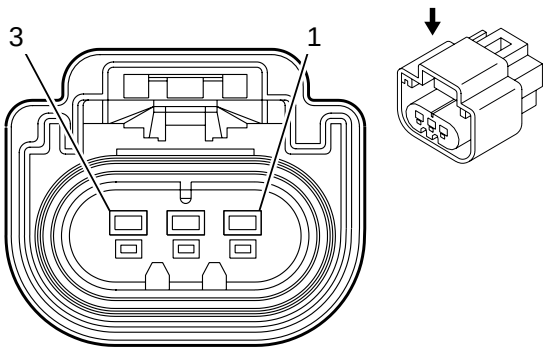
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-35 (VT)	Not Available	Not Available	Not Available	Not Available	Not Available

B14A Transmission Output Shaft Speed Sensor (N8D)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/L-GN	822	Vehicle Speed Sensor Low Reference	I	-
2	0.5	VT/WH	821	Vehicle Speed Sensor Signal	I	-
3	0.5	L-BU/RD	1688	5 Volt Reference	I	-

cardiagn.com

B14A Transmission Output Shaft Speed Sensor (NQ6/NQ7)



Connector Part Information

Harness Type: Engine
OEM Connector: 88988720
Service Connector: 13580873
Description: 3-Way F 150 GT Series, Sealed (GY)

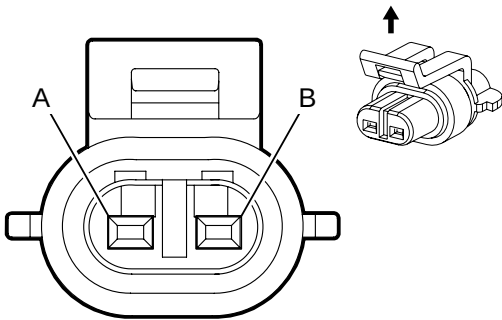
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B14A Transmission Output Shaft Speed Sensor (NQ6/NQ7)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-BU/RD	1688	5 Volt Reference	I	-
2	0.5	VT/WH	821	Vehicle Speed Sensor Signal	I	-
3	0.5	BK/L-GN	822	Vehicle Speed Sensor Low Reference	I	-

B16 Backup Lamp Switch (N8D)



Connector Part Information

Harness Type: Engine
OEM Connector: 90346580
Service Connector: 13580106
Description: 2-Way F 150 Metri Pack Series, Sealed (BK)

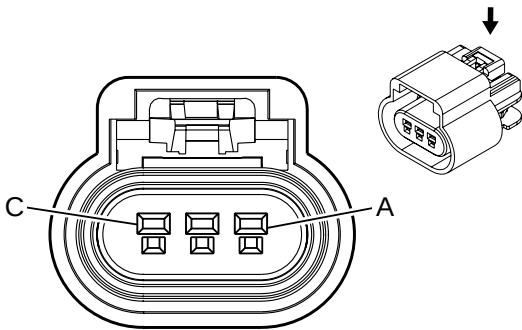
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-14 (GN)	Not Available	Not Available	Not Available	Not Available	Not Available

B16 Backup Lamp Switch (N8D)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	L-GN/WH	5007	Reverse Switch Signal	I	-
B	0.5	BK/WH	451	Signal Ground	I	-

B18 Battery Current Sensor



Connector Part Information

Harness Type: Body
OEM Connector: 13519047
Service Connector: 15306388
Description: 3-Way F 150 GT Series, Sealed (BK)

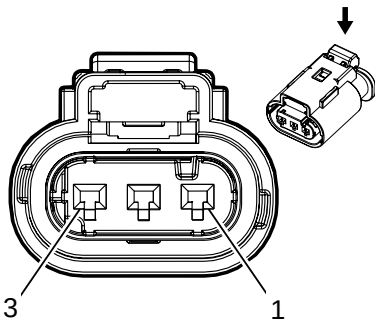
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

B18 Battery Current Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	L-BU/VT	5076	Current Sensor Supply Voltage	I	-
B	0.5	BK/VT	5077	Current Sensor Low Reference	I	-
C	0.5	WH/YE	5075	Current Sensor Signal	I	-

B19B Brake Booster Vacuum Sensor



Connector Part Information

Harness Type: Chassis
OEM Connector: 13503570
Service Connector: 19299690
Description: 3-Way F 1.2 MLK Series, Sealed (BK)

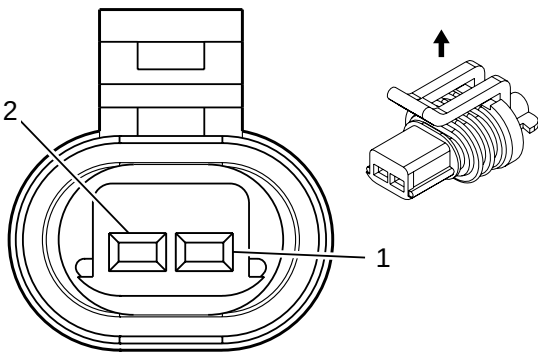
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B19B Brake Booster Vacuum Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/VT	6030	Brake Vacuum Sensor Signal	I	-
2	0.5	BK/YE	6032	Brake Vacuum Sensor Low Reference	I	-
3	0.5	YE/RD	6031	Brake Vacuum Sensor 5 Volt Reference	I	-

B20 Brake Fluid Level Switch



Connector Part Information

Harness Type: Chassis
OEM Connector: 19177506
Service Connector: 88987993
Description: 2-Way F 150 GT Series, Sealed (BK)

Terminal Part Information

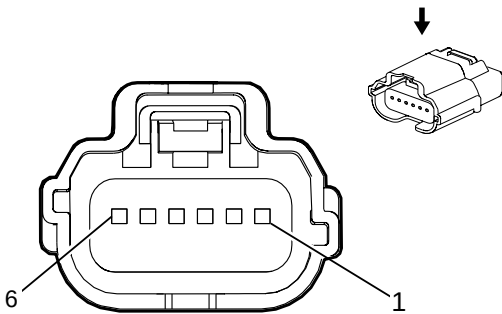
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

B20 Brake Fluid Level Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/WH	551	Signal Ground	I	-
2	0.5	L-GN/GY	333	Brake Fluid Level Sensor Signal	I	-

cardiagn.com

B22 Brake Pedal Position Sensor (MYB)



Connector Part Information

Harness Type: Body
OEM Connector: 31404-6810
Service Connector: 19304011
Description: 6-Way F 64 Series, Sealed (NA)

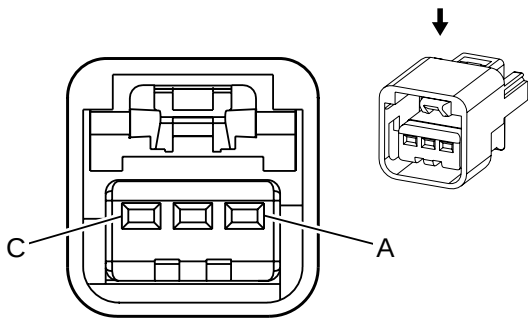
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B22 Brake Pedal Position Sensor (MYB)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/BN	5360	Brake Apply Sensor Low Reference	I	-
2	0.5	WH	5359	Brake Apply Sensor Supply Voltage	I	-
3	0.5	L-BU/YE	5361	Brake Apply Sensor Signal	I	-
4	0.5	WH/L-GN	5380	Brake Position Sensor Signal	I	-
5	0.5	BK/YE	5382	Brake Position Sensor Low Reference	I	-
6	0.5	WH/RD	5381	Brake Position Sensor 5 Volt Reference	I	-

B22 Brake Pedal Position Sensor (N8D)



Connector Part Information

Harness Type: Body
OEM Connector: 15332132
Service Connector: 88953364
Description: 3-Way F 150 GT Series (BK)

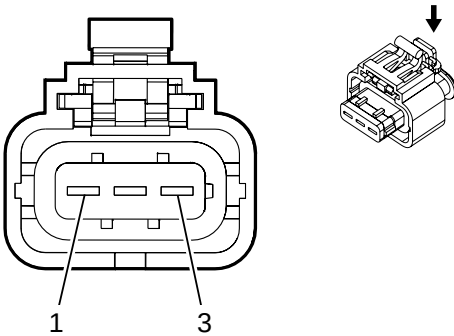
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

B22 Brake Pedal Position Sensor (N8D)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	WH	5359	Brake Apply Sensor Supply Voltage	I	-
B	0.5	L-BU/YE	5361	Brake Apply Sensor Signal	I	-
C	0.5	BK/BN	5360	Brake Apply Sensor Low Reference	I	-

B23A Camshaft Position Sensor - Bank 1 Exhaust (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 1928405528
Service Connector: 13384372
Description: 3-Way F 2.8 Series, Sealed (BK with BU Lock)

Terminal Part Information

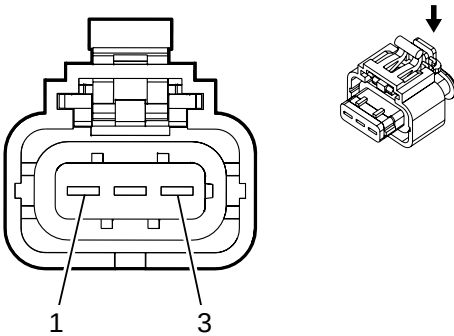
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B23A Camshaft Position Sensor - Bank 1 Exhaust (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/GY	5296	Camshaft Position Exhaust Sensor Low Reference (1)	I	-
2	0.5	VT/BK	5273	Camshaft Position Exhaust Sensor (1)	I	-
3	0.5	GY/YE	5297	Camshaft Position Exhaust Sensor Supply Voltage (1)	I	-

cardiagn.com

B23B Camshaft Position Sensor - Bank 1 Intake (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 1928405528
Service Connector: 13384372
Description: 3-Way F 2.8 Series, Sealed (BK with BU Lock)

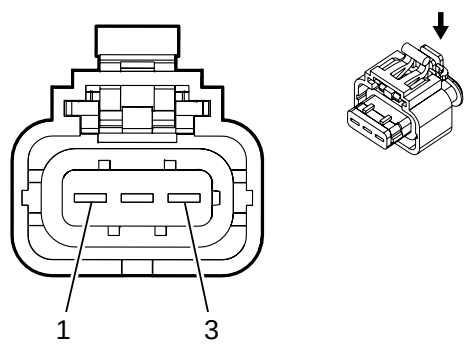
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B23B Camshaft Position Sensor - Bank 1 Intake (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/L-GN	5301	Camshaft Position Intake Sensor Low Reference (1)	I	-
2	0.5	YE/VT	5275	Camshaft Position Intake Sensor (1)	I	-
3	0.5	GY/L-BU	5300	Camshaft Position Intake Sensor Supply Voltage (1)	I	-

B23C Camshaft Position Sensor - Bank 2 Exhaust (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 1928405528
Service Connector: 13384372
Description: 3-Way F 2.8 Series, Sealed (BK with BU Lock)

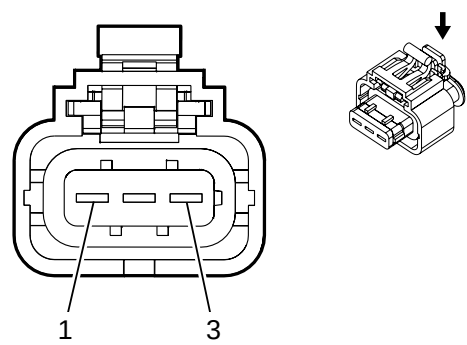
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B23C Camshaft Position Sensor - Bank 2 Exhaust (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/BN	5299	Camshaft Position Exhaust Sensor Low Reference (2)	I	-
2	0.5	VT/L-BU	5274	Camshaft Position Exhaust Sensor (2)	I	-
3	0.5	L-GN/BN	5298	Camshaft Position Exhaust Sensor Supply Voltage (2)	I	-

B23D Camshaft Position Sensor - Bank 2 Intake (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 1928405528
Service Connector: 13384372
Description: 3-Way F 2.8 Series, Sealed (BK with BU Lock)

Terminal Part Information

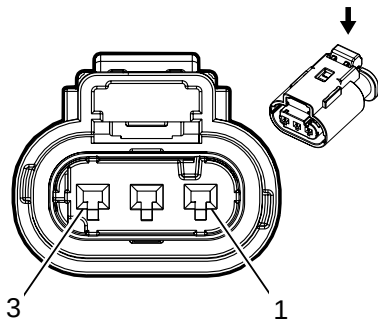
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B23D Camshaft Position Sensor - Bank 2 Intake (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/VT	5303	Camshaft Position Intake Sensor Low Reference (2)	I	-
2	0.5	YE	5276	Camshaft Position Intake Sensor (2)	I	-
3	0.5	WH/L-BU	5302	Camshaft Position Intake Sensor Supply Voltage (2)	I	-

cardiagn.com

B23E Camshaft Position Sensor - Exhaust (LCV)



Connector Part Information

Harness Type: Engine
OEM Connector: 10010341
Service Connector: 19299690
Description: 3-Way F 1.2 MLK Series, Sealed (BK)

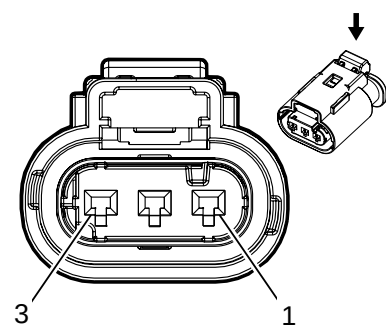
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-16 (LT GN)	Not Available	Not Available	Not Available	Not Available	Not Available

B23E Camshaft Position Sensor - Exhaust (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/YE	5297	Camshaft Position Exhaust Sensor Supply Voltage (1)	I	-
2	0.5	BK/GY	5296	Camshaft Position Exhaust Sensor Low Reference (1)	I	-
3	0.5	VT/BK	5273	Camshaft Position Exhaust Sensor (1)	I	-

B23F Camshaft Position Sensor - Intake (LCV)



Connector Part Information

Harness Type: Engine
OEM Connector: 13503570
Service Connector: 19299690
Description: 3-Way F 1.2 MLK Series, Sealed (BK)

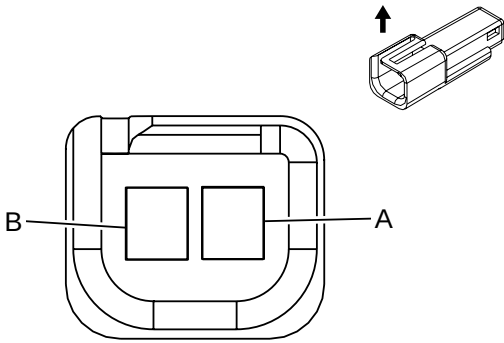
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-16 (LT GN)	Not Available	Not Available	Not Available	Not Available	Not Available

B23F Camshaft Position Sensor - Intake (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/L-BU	5300	Camshaft Position Intake Sensor Supply Voltage (1)	I	-
2	0.5	BK/L-GN	5301	Camshaft Position Intake Sensor Low Reference (1)	I	-
3	0.5	YE/VT	5275	Camshaft Position Intake Sensor (1)	I	-

B24 Cellular Phone Microphone (UE1)



Connector Part Information

Harness Type: Headliner
OEM Connector: 12047663
Service Connector: 13584278
Description: 2-Way M 150 Metri Pack Series (BK)

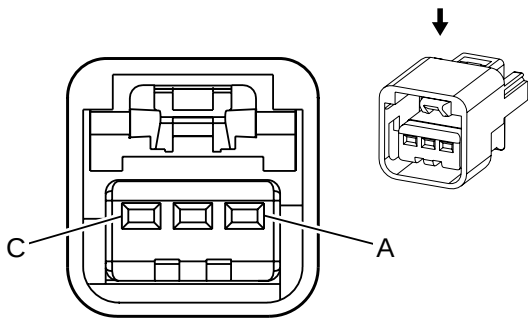
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-3 (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

B24 Cellular Phone Microphone (UE1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.35	BK/BN	654	Cellular Telephone Microphone Low Reference	I	-
B	0.35	L-BU	655	Cellular Telephone Microphone Signal	I	-

B25B Clutch Pedal Position Sensor (N8D)



Connector Part Information

Harness Type: Body
OEM Connector: 15332132
Service Connector: 88953364
Description: 3-Way F 150 GT Series (BK)

Terminal Part Information

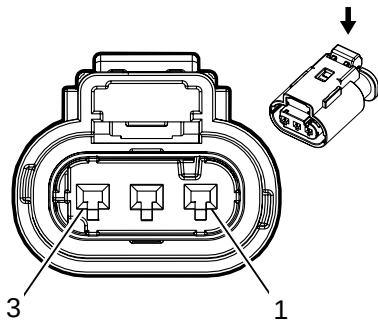
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

B25B Clutch Pedal Position Sensor (N8D)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	GY/RD	6109	Clutch Apply Sensor Voltage Reference	I	-
B	0.5	YE	6111	Clutch Apply Sensor Signal	I	-
C	0.5	BK/GY	6110	Clutch Apply Sensor Low Reference	I	-

cardiagn.com

B26 Crankshaft Position Sensor (LCV)



Connector Part Information

Harness Type: Engine
OEM Connector: 13503570
Service Connector: 19299690
Description: 3-Way F 1.2 MLK Series, Sealed (BK)

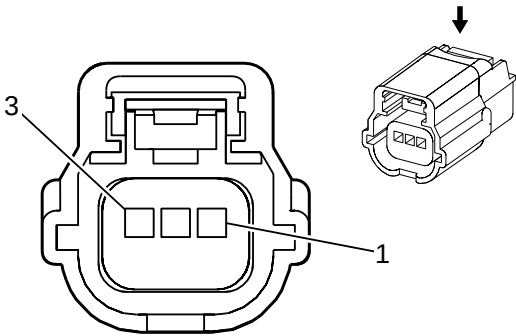
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-16 (LT GN)	Not Available	Not Available	Not Available	Not Available	Not Available

B26 Crankshaft Position Sensor (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/L-BU	6270	Crankshaft 60X Sensor Voltage	I	-
2	0.5	BK/VT	6272	Crankshaft 60X Sensor Low Reference	I	-
3	0.5	L-GN	6271	Crankshaft 60X Sensor Signal	I	-

B26 Crankshaft Position Sensor (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 89047365
Service Connector: 88988337
Description: 3-Way F 0.64 Series, Sealed (BK)

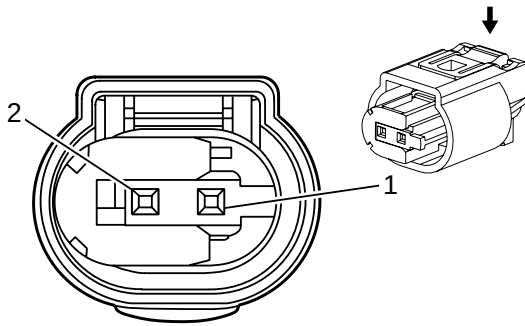
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B26 Crankshaft Position Sensor (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/VT	6272	Crankshaft 60X Sensor Low Reference	I	-
2	0.5	L-GN	6271	Crankshaft 60X Sensor Signal	I	-
3	0.5	VT/L-BU	6270	Crankshaft 60X Sensor Voltage	I	-

B34 Engine Coolant Temperature Sensor (LCV)



Connector Part Information

Harness Type: Engine
OEM Connector: 1-967644-1
Service Connector: 13576533
Description: 2-Way F 0.64 Micro Quadlock Series, Sealed (BK with GN Terminal Position Assurance)

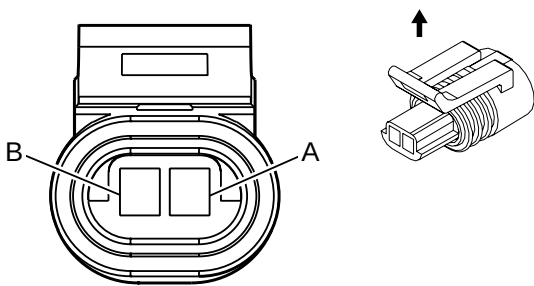
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B34 Engine Coolant Temperature Sensor (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-BU	410	Engine Coolant Temperature Sensor Signal	I	-
2	0.5	BK/BN	2761	Coolant Temperature Sensor Low Reference	I	-

B34 Engine Coolant Temperature Sensor (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 13584122
Service Connector: 13585857
Description: 2-Way F 150.2 Metri Pack Series, Sealed, Pull To Seat (GY)

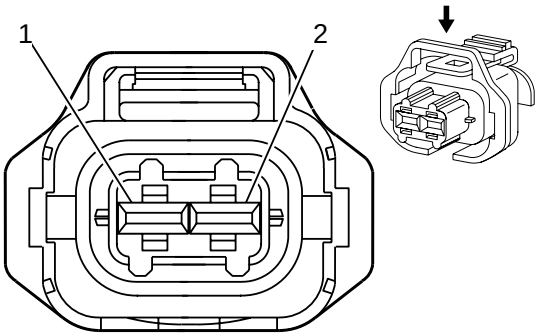
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B34 Engine Coolant Temperature Sensor (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	BK/BN	2761	Coolant Temperature Sensor Low Reference	I	-
B	0.5	L-BU	410	Engine Coolant Temperature Sensor Signal	I	-

B35 Engine Oil Level Switch (LCV)



Connector Part Information

Harness Type: Engine
OEM Connector: 1928403874
Service Connector: 88988963
Description: 2-Way F Kompakt 2.8 Series, Sealed (BK)

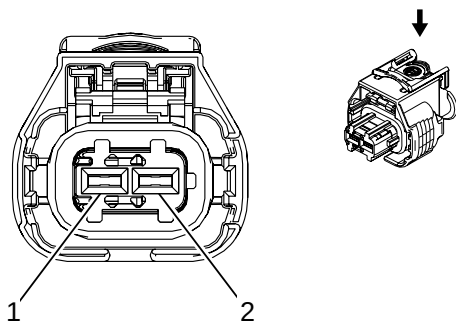
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-35 (VT)	Not Available	Not Available	Not Available	Not Available	Not Available

B35 Engine Oil Level Switch (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/WH	1451	Signal Ground	I	-
2	0.5	BN/L-GN	1174	Oil Level Switch Signal	I	-

B35 Engine Oil Level Switch (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 1928405521
Service Connector: 13384371
Description: 2-Way F 2.8 Series, Sealed (BK)

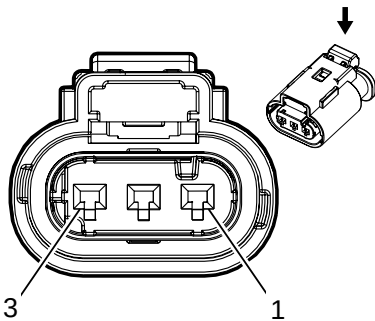
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B35 Engine Oil Level Switch (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/WH	1451	Signal Ground	I	-
2	0.5	BN/L-GN	1174	Oil Level Switch Signal	I	-

B37B Engine Oil Pressure Sensor (LCV)



Connector Part Information

Harness Type: Engine
OEM Connector: 10010341
Service Connector: 19299690
Description: 3-Way F 1.2 MLK Series, Sealed (BK)

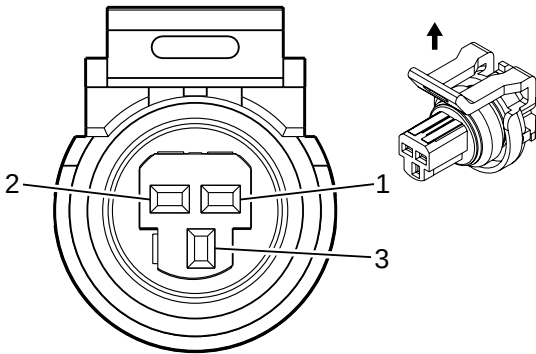
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-16 (LT GN)	Not Available	Not Available	Not Available	Not Available	Not Available

B37B Engine Oil Pressure Sensor (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/BN	331	Oil Pressure Sensor Signal	I	-
2	0.5	BK/VT	2755	Oil Pressure Sensor Low Reference	I	-
3	0.5	WH/RD	2705	Oil Pressure Sensor 5 Volt Reference	I	-

B37B Engine Oil Pressure Sensor (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 13532244
Service Connector: 88988301
Description: 3-Way F 150 GT Series, Sealed (BK)

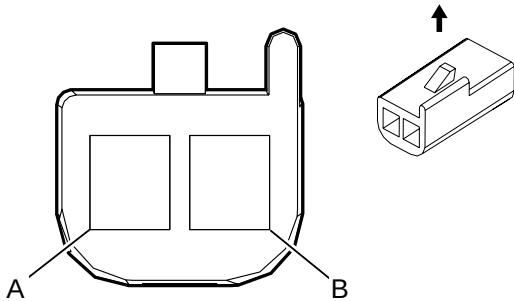
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-14 (GN)	Not Available	Not Available	Not Available	Not Available	Not Available

B37B Engine Oil Pressure Sensor (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/VT	2755	Oil Pressure Sensor Low Reference	I	-
2	0.5	WH/RD	2705	Oil Pressure Sensor 5 Volt Reference	I	-
3	0.5	YE/BN	331	Oil Pressure Sensor Signal	I	-

B39 A/C Evaporator Temperature Sensor



Connector Part Information

Harness Type: HVAC
OEM Connector: 12047662
Service Connector: 12085535
Description: 2-Way F 150 Metri Pack Series (BK)

Terminal Part Information

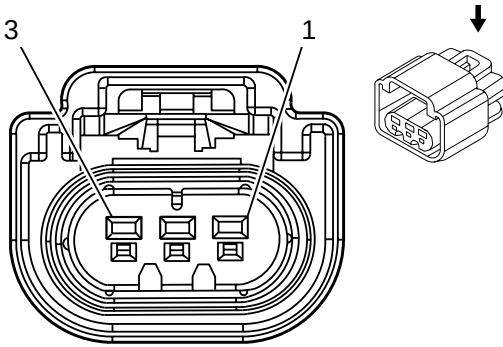
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575464	J-35616-14 (GN)	J-38125-12A	15326030	2	E	C

B39 A/C Evaporator Temperature Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.35	GY	6137	EVAP Core Temperature Sensor Signal	I	-
B	0.35	BK/YE	407	Air Temperature Door Control Low Reference	I	-

cardiagn.com

B47 Fuel Pressure Sensor



Connector Part Information

Harness Type: Chassis
OEM Connector: 19115173
Service Connector: 19168035
Description: 3-Way F 150 GT Series, Sealed (BK)

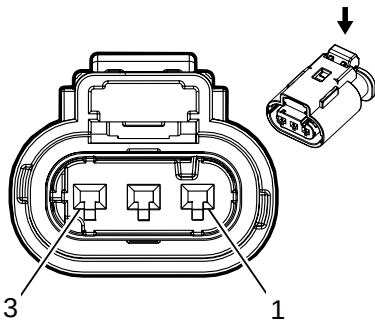
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

B47 Fuel Pressure Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-BU/WH	7446	Fuel Line Pressure Sensor Signal	I	-
2	0.5	BK/YE	7447	Fuel Line Pressure Sensor Low Reference	I	-
3	0.5	BN/RD	7445	Fuel Line Pressure Sensor 5V Reference	I	-

B47B Fuel Rail Pressure Sensor (LCV)



Connector Part Information

Harness Type: Fuel Rail
OEM Connector: 13503570
Service Connector: 19299690
Description: 3-Way F 1.2 MLK Series, Sealed (BK)

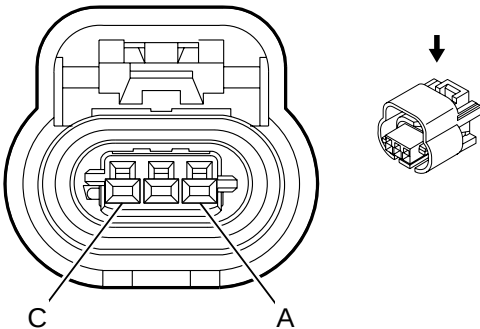
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

B47B Fuel Rail Pressure Sensor (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/GN	2919	Fuel Rail Pressure Sensor Low Reference	I	-
2	0.5	BU/WH	2918	Fuel Rail Pressure Sensor Signal	I	-
3	0.5	BN/RD	2917	Fuel Rail Pressure Sensor (5) Volt Reference	I	-

B47B Fuel Rail Pressure Sensor (LFX)



Connector Part Information

Harness Type: Bank 2 Fuel Rail
OEM Connector: 15336000
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 150 GT Series, Sealed (BK)

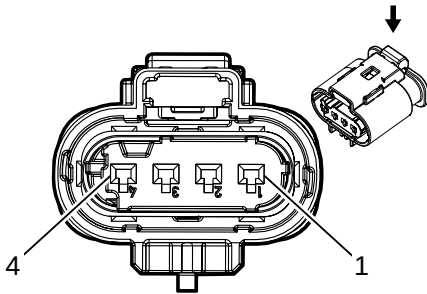
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

B47B Fuel Rail Pressure Sensor (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	BN/RD	2917	Fuel Rail Pressure Sensor (5) Volt Reference	I	-
B	0.5	BU/WH	2918	Fuel Rail Pressure Sensor Signal	I	-
C	0.5	BK/GN	2919	Fuel Rail Pressure Sensor Low Reference	I	-

B52A Heated Oxygen Sensor 1 (LCV)



Connector Part Information

Harness Type: Engine
OEM Connector: 10010346
Service Connector: 19299691
Description: 4-Way F 1.2 MLK Series, Sealed (BK)

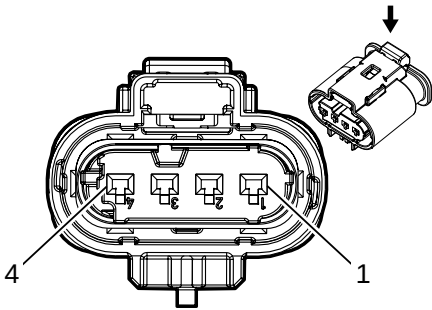
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-16 (LT GN)	Not Available	Not Available	Not Available	Not Available	Not Available

B52A Heated Oxygen Sensor 1 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/WH	3113	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (1)	I	-
2	0.5	VT/L-BU	5293	Powertrain Main Relay Fused Supply (4)	I	-
3	0.5	WH/BK	3111	Heated Oxygen Sensor Low Signal Bank 1 Sensor (1)	I	-
4	0.5	VT/GY	3110	Heated Oxygen Sensor High Signal Bank 1 Sensor (1)	I	-

B52B Heated Oxygen Sensor 2 (LCV)



Connector Part Information

Harness Type: Engine
OEM Connector: 10010347
Service Connector: 19299692
Description: 4-Way F 1.2 MLK Series, Sealed (L-GY)

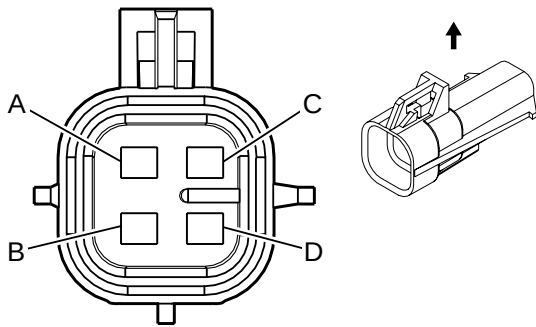
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-16 (LT GN)	Not Available	Not Available	Not Available	Not Available	Not Available

B52B Heated Oxygen Sensor 2 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/WH	3122	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (2)	I	-
2	0.5	VT/L-BU	5294	Powertrain Main Relay Fused Supply (5)	I	-
3	0.5	WH/YE	3121	Heated Oxygen Sensor Low Signal Bank 1 Sensor (2)	I	-
4	0.5	VT/L-BU	3120	Heated Oxygen Sensor High Signal Bank 1 Sensor (2)	I	-

B52C Heated Oxygen Sensor - Bank 1 Sensor 1 (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 12160825
Service Connector: 15305801
Description: 4-Way M 150 Metri Pack Series, Sealed (BK)

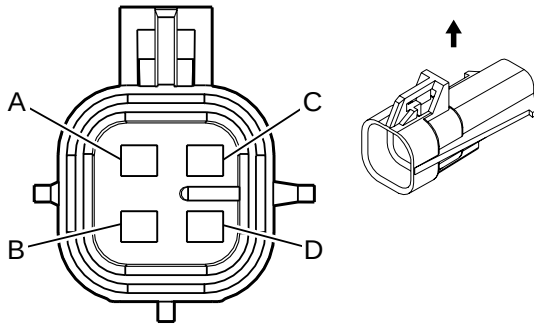
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B52C Heated Oxygen Sensor - Bank 1 Sensor 1 (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	WH/BK	3111	Heated Oxygen Sensor Low Signal Bank 1 Sensor (1)	I	-
B	0.5	VT/GY	3110	Heated Oxygen Sensor High Signal Bank 1 Sensor (1)	I	-
C	0.5	GY/WH	3113	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (1)	I	-
D	0.5	VT/L-BU	5293	Powertrain Main Relay Fused Supply (4)	I	-

B52D Heated Oxygen Sensor - Bank 1 Sensor 2 (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 12160825
Service Connector: 15305801
Description: 4-Way M 150 Metri Pack Series, Sealed (BK)

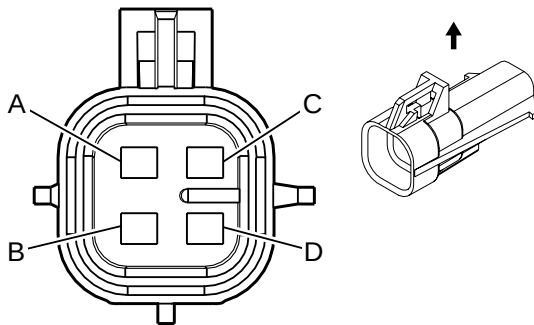
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B52D Heated Oxygen Sensor - Bank 1 Sensor 2 (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	WH/YE	3121	Heated Oxygen Sensor Low Signal Bank 1 Sensor (2)	I	-
B	0.5	VT/L-BU	3120	Heated Oxygen Sensor High Signal Bank 1 Sensor (2)	I	-
C	0.5	GY/WH	3122	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (2)	I	-
D	0.5	VT/L-BU	5294	Powertrain Main Relay Fused Supply (5)	I	-

B52E Heated Oxygen Sensor - Bank 2 Sensor 1 (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 12160825
Service Connector: 15305801
Description: 4-Way M 150 Metri Pack Series, Sealed (BK)

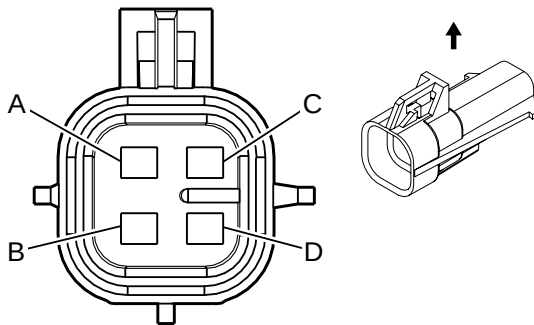
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B52E Heated Oxygen Sensor - Bank 2 Sensor 1 (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	YE/WH	3211	Heated Oxygen Sensor Low Signal Bank 2 Sensor (1)	I	-
B	0.5	VT/WH	3210	Heated Oxygen Sensor High Signal Bank 2 Sensor (1)	I	-
C	0.5	L-GN/YE	3212	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor (1)	I	-
D	0.5	VT/L-BU	5293	Powertrain Main Relay Fused Supply (4)	I	-

B52F Heated Oxygen Sensor - Bank 2 Sensor 2 (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 12160825
Service Connector: 15305801
Description: 4-Way M 150 Metri Pack Series, Sealed (BK)

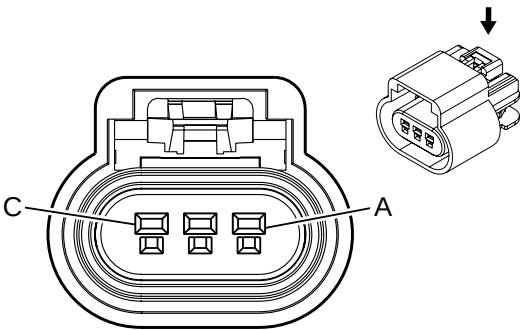
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B52F Heated Oxygen Sensor - Bank 2 Sensor 2 (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	YE/L-BU	3221	Heated Oxygen Sensor Low Signal Bank 2 Sensor (2)	I	-
B	0.5	VT/L-GN	3220	Heated Oxygen Sensor High Signal Bank 2 Sensor (2)	I	-
C	0.5	WH/BN	3223	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor (2)	I	-
D	0.5	VT/L-BU	5294	Powertrain Main Relay Fused Supply (5)	I	-

B55 Hood Ajar Switch



Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 13519047
Service Connector: 15306388
Description: 3-Way F 150 GT Series, Sealed (BK)

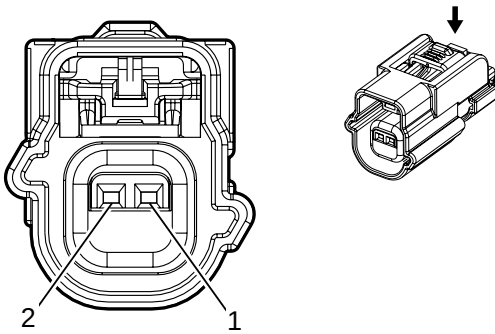
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

B55 Hood Ajar Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	-	-	-	Not Occupied	-	-
B	0.5	BN/L-GN	109	Hood Ajar Switch Signal	I	-
C	0.75	BK/WH	1251	Signal Ground	I	-

B59L Front Impact Sensor - Left



Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 54390241
Service Connector: 19329742
Description: 2-Way F 0.64 Series, Sealed

Terminal Part Information

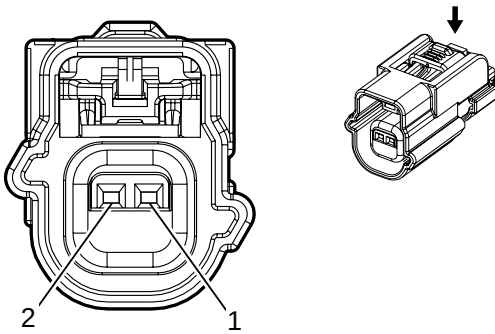
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B59L Front Impact Sensor - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/YE	354	Left Front Discriminating Sensor Signal	I	-
2	0.5	BK/OG	5045	Left Front Discriminating Sensor Low Reference	I	-

cardiagn.com

B59R Front Impact Sensor - Right



Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 54390241
Service Connector: 19329742
Description: 2-Way F 0.64 Series, Sealed

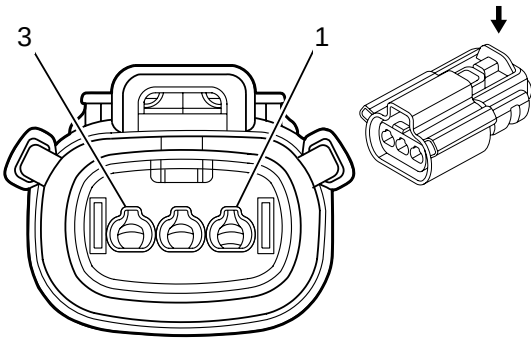
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B59R Front Impact Sensor - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/L-GN	1409	Right Front Discriminating Sensor Signal	I	-
2	0.5	BK/OG	5600	Right Front Discriminating Sensor Low Reference	I	-

B61P Seat Belt Tension Sensor - Passenger (AL0)



Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 33471-0306
Service Connector: Service by Harness – See Part Catalog
Description: 3-Way F 1.5 Series, Sealed (BK)

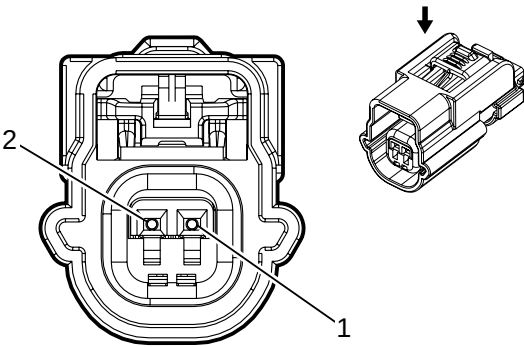
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

B61P Seat Belt Tension Sensor - Passenger (AL0)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	L-BU/RD	5612	Passenger Seat Belt Tension Sensor Voltage Reference	I	-
2	0.35	BK/WH	2251	Signal Ground	I	-
3	0.35	VT/OG	5611	Passenger Seat Belt Tension Sensor Signal	I	-

B63LF Side Impact Sensor - Left Front



Connector Part Information

Harness Type: Driver Door
OEM Connector: 54390240
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 Series, Sealed (L-GY)

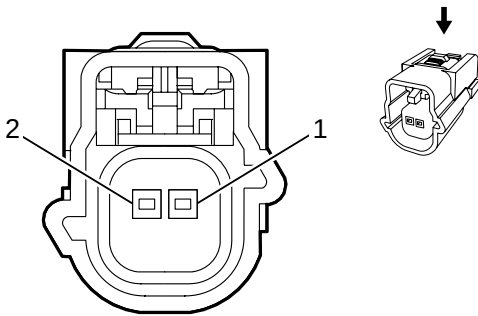
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B63LF Side Impact Sensor - Left Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	OG/L-GN	2132	Left Front Side Impact Sensing Module Signal	I	-
2	0.35	BK/OG	6628	Left Front Side Impact Sensing Module Low Reference	I	-

B63LR Side Impact Sensor - Left Rear



Connector Part Information

Harness Type: Body
OEM Connector: 54390242
Service Connector: 13585852
Description: 2-Way F 0.64 Series, Sealed (D-GY)

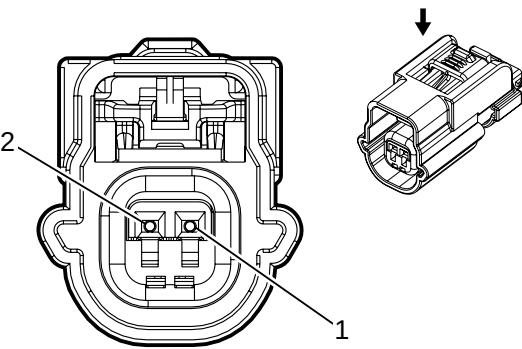
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B63LR Side Impact Sensor - Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	OG/L-BU	6620	Left Middle Side Impact Sensing Module Signal	I	-
2	0.35	BK/OG	6621	Left Middle Side Impact Sensing Module Low Reference	I	-

B63RF Side Impact Sensor - Right Front



Connector Part Information

Harness Type: Passenger Door
OEM Connector: 54390240
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 Series, Sealed (L-GY)

Terminal Part Information

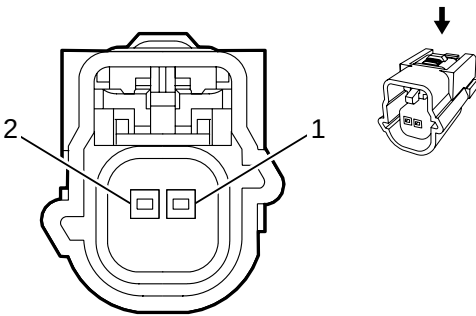
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B63RF Side Impact Sensor - Right Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BN/OG	2134	Right Front Side Impact Sensing Module Signal	I	-
2	0.35	BK/OG	6629	Right Front Side Impact Sensing Module Low Reference	I	-

cardiagn.com

B63RR Side Impact Sensor - Right Rear



Connector Part Information

Harness Type: Body
OEM Connector: 54390242
Service Connector: 13585852
Description: 2-Way F 0.64 Series, Sealed (D-GY)

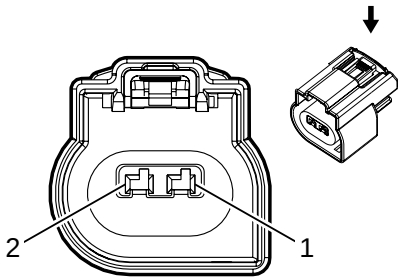
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B63RR Side Impact Sensor - Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	OG/VT	6624	Right Middle Side Impact Sensing Module Signal	I	-
2	0.35	BK/OG	6625	Right Middle Side Impact Sensing Module Low Reference	I	-

B68A Knock Sensor 1 (LCV)



Connector Part Information

Harness Type: Engine
OEM Connector: 34752-0204
Service Connector: 19301207
Description: 2-Way F 150 MX Series, Sealed (BK)

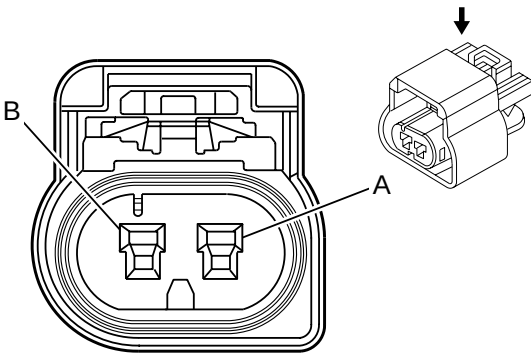
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

B68A Knock Sensor 1 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/GY	496	Knock Sensor Signal (1)	I	-
2	0.5	BK/YE	1716	Knock Sensor Low Reference (1)	I	-

B68A Knock Sensor 1 (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 15374222
Service Connector: 88953268
Description: 2-Way F 150 GT Series, Sealed (NA)

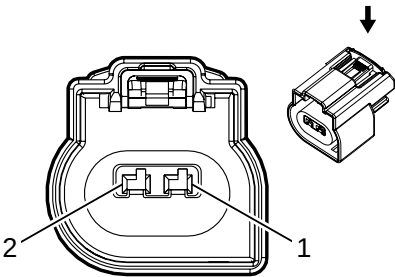
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B68A Knock Sensor 1 (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	VT/GY	496	Knock Sensor Signal (1)	I	-
B	0.5	BK/YE	1716	Knock Sensor Low Reference (1)	I	-

B68B Knock Sensor 2 (LCV)



Connector Part Information

Harness Type: Engine
OEM Connector: 34752-0204
Service Connector: 19301207
Description: 2-Way F 150 MX Series, Sealed (BK)

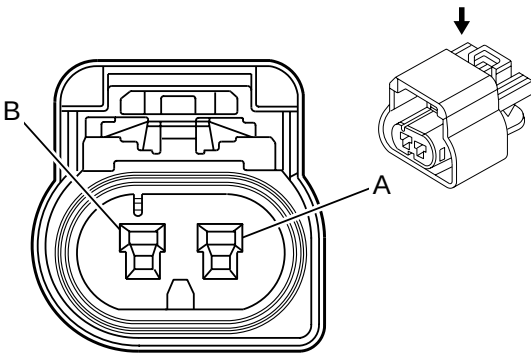
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

B68B Knock Sensor 2 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/GY	1876	Knock Sensor Signal (2)	I	-
2	0.5	BK/GY	2303	Knock Sensor Low Reference (2)	I	-

B68B Knock Sensor 2 (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 15374222
Service Connector: 88953268
Description: 2-Way F 150 GT Series, Sealed (NA)

Terminal Part Information

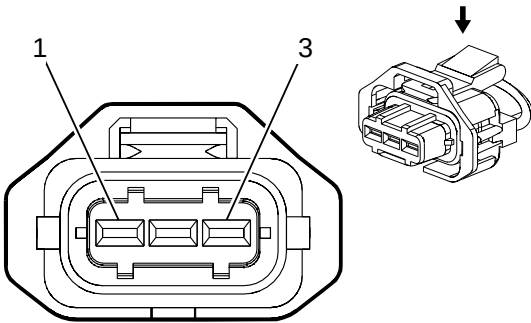
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B68B Knock Sensor 2 (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	WH/GY	1876	Knock Sensor Signal (2)	I	-
B	0.5	BK/GY	2303	Knock Sensor Low Reference (2)	I	-

cardiagn.com

B74 Manifold Absolute Pressure Sensor



Connector Part Information

Harness Type: Engine
OEM Connector: 13145408
Service Connector: 13585850
Description: 3-Way F 2.8 Series, Sealed (BK)

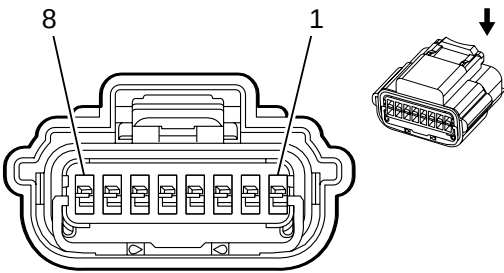
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-35 (VT)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B74 Manifold Absolute Pressure Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/RD	2704	Manifold Absolute Pressure Sensor 5 Volt Reference	I	-
2	0.5	BK/L-GN	469	Manifold Absolute Pressure Sensor Low Reference	I	-
3	0.5	L-GN/WH	432	Manifold Absolute Pressure Sensor Signal	I	-

B75C Multifunction Intake Air Sensor



Connector Part Information

Harness Type: Engine
OEM Connector: ATSSPB-C08C-1AK
Service Connector: 13583440
Description: 8-Way F 0.64 Series, Sealed (BK)

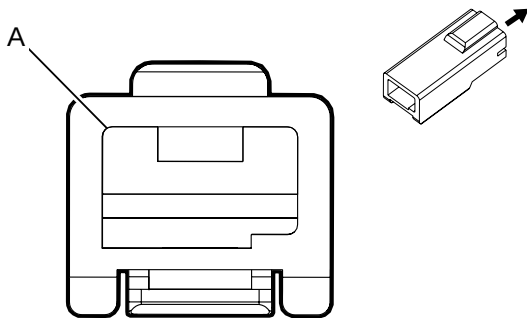
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B75C Multifunction Intake Air Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/L-BU	6289	Induction Air Temperature Sensor Signal	I	-
2	0.5	WH/RD	3201	Throttle Inlet Absolute Pressure Sensor 5V Reference	I	-
3	0.5	BK/BN	2761	Coolant Temperature Sensor Low Reference	I	LCV
	0.5	BK/VT	2760	Intake Air Temperature Sensor Low Reference		LFX
4	0.5	YE/WH	3200	Throttle Inlet Absolute Pressure Sensor Signal	I	-
5	0.5	VT/L-BU	5294	Powertrain Main Relay Fused Supply (5)	I	-
6	0.5	L-GN/WH	492	Mass Air Flow Sensor Signal	I	-
7	0.5	BK/WH	1451	Signal Ground	I	-
8	0.5	BN/GY	4008	Humidity Sensor Signal	I	LCV
	0.5	GY/L-BU	7564	Humidity Sensor Signal		LFX

B80 Park Brake Switch



Connector Part Information

Harness Type: Body
OEM Connector: 13705266
Service Connector: 19301743
Description: 1-Way F 630 Metri Pack Series (BK)

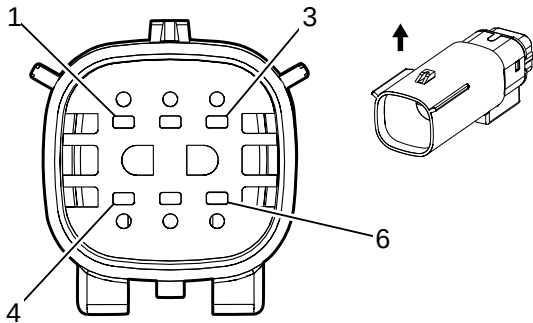
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-42 (RD)	Not Available	Not Available	Not Available	Not Available	Not Available

B80 Park Brake Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-BU/VT	1134	Park Brake Switch Signal	I	-

B87 Rearview Camera (UVC)



Connector Part Information

Harness Type: License Lamp
OEM Connector: 13503535
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way M 150 MX Series, Sealed (BK)

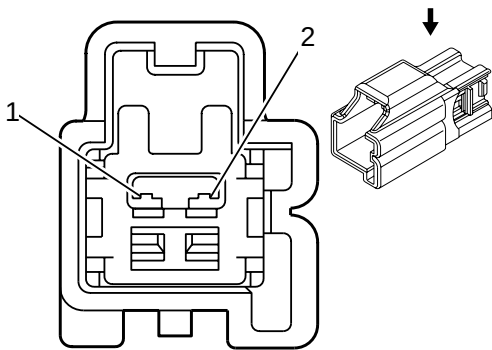
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B87 Rearview Camera (UVC)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN/WH	24	Backup Lamp Supply Voltage	I	-
2	0.5	GY/YE	6972	Camera Signal #2 +	I	-
3	0.5	VT/L-GN	1739	Run/Crank Ignition 1 Voltage	I	-
4	0.5	L-GN	6974	Camera Drain Wire	I	-
5	0.5	BK/WH	751	Signal Ground	I	-
6	0.5	WH/L-BU	6973	Camera Signal #2	I	-

B88D Seat Belt Switch - Driver



Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 7282-6443-40
Service Connector: 88988503
Description: 2-Way M 1.5 Series (L-GY)

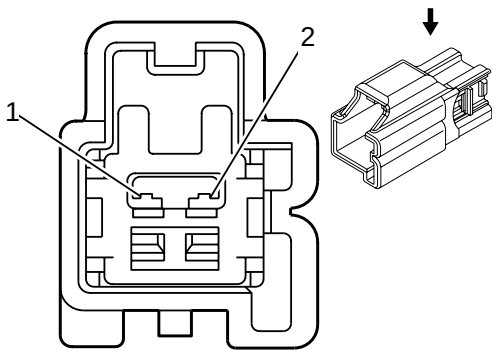
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575816	J-35616-3 (GY)	J-38125-553	7114-4100-08	9	E	C

B88D Seat Belt Switch - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK/OG	1363	Driver Seat Belt Switch Low Reference	I	-
2	0.35	OG/BN	238	Driver Seat Belt Switch Signal	I	-

B88P Seat Belt Switch - Passenger



Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 7282-6443-40
Service Connector: 88988503
Description: 2-Way M 1.5 Series (L-GY)

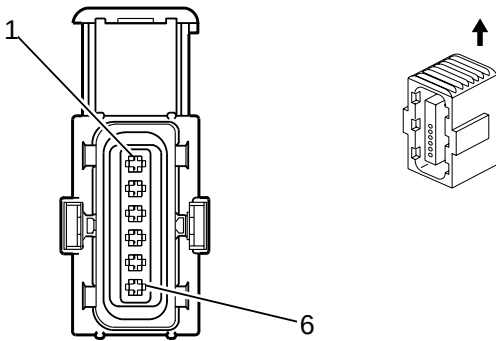
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575816	J-35616-3 (GY)	J-38125-553	7114-4100-08	9	E	C

B88P Seat Belt Switch - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK/OG	1361	Passenger Seat Belt Switch Low Reference	I	-
2	0.35	OG/VT	1362	Passenger Seat Belt Switch Signal	I	-

B107 Accelerator Pedal Position Sensor



Connector Part Information

Harness Type: Body
OEM Connector: 6-929264-1
Service Connector: 13580116
Description: 6-Way F 1.2 Micro Timer Series, Sealed (BK)

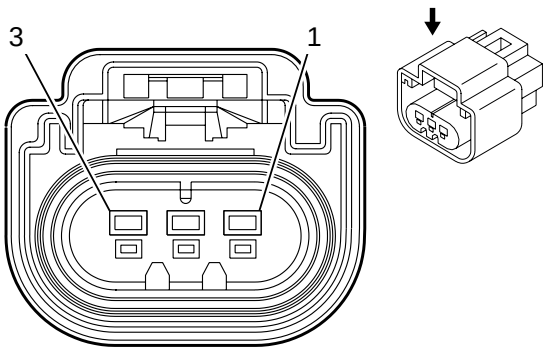
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-14 (GN)	Not Available	Not Available	Not Available	Not Available	Not Available

B107 Accelerator Pedal Position Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/RD	1274	Accelerator Pedal Position 5 Volt Reference (2)	I	-
2	0.5	WH/RD	1164	Accelerator Pedal Position 5 Volt Reference (1)	I	-
3	0.5	YE/WH	1161	Accelerator Pedal Position Signal (1)	I	-
4	0.5	BK/L-BU	1271	Accelerator Pedal Position Low Reference (1)	I	-
5	0.5	BK/VT	1272	Accelerator Pedal Position Low Reference (2)	I	-
6	0.5	L-GN/WH	1162	Accelerator Pedal Position Signal (2)	I	-

B150 Fuel Tank Pressure Sensor



Connector Part Information

Harness Type: Chassis
OEM Connector: 88988720
Service Connector: 13580873
Description: 3-Way F 150 GT Series, Sealed (GY)

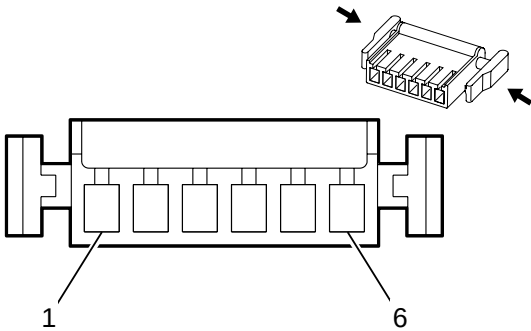
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B150 Fuel Tank Pressure Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-BU/WH	890	Fuel Tank Pressure Sensor Signal	I	-
2	0.5	BK/L-GN	6281	Fuel Level Sensor Low Reference	I	-
3	0.5	YE/RD	2709	Fuel Tank Pressure Sensor 5 Volt Reference	I	-

B160 Windshield Temperature and Inside Moisture Sensor (C68)



Connector Part Information

Harness Type: Windshield Sensor
OEM Connector: 13726957
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Micro Quadlock Series (BK)

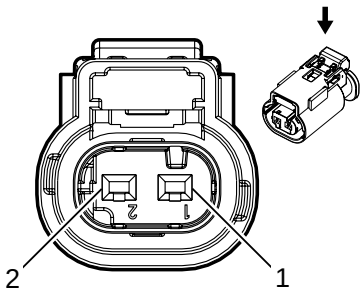
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

B160 Windshield Temperature and Inside Moisture Sensor (C68)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	RD	597	5 Volt Reference	I	-
2	0.35	D-BU	7564	Humidity Sensor Signal	I	-
3	0.35	BK	7566	Humidity/Windscreen Temp Sensor Low Reference	I	-
4	0.35	L-GN	7565	Windscreen Temp Sensor Signal	I	-
5	0.35	YE	3197	Humidity Temperature Sensor Signal	I	-
6	-	-	-	Not Occupied	-	-

B203 Engine Coolant Radiator Temperature Sensor



Connector Part Information

Harness Type: Forward Lamp Extension
OEM Connector: 10010337
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.2 MLK Series, Sealed (BK)

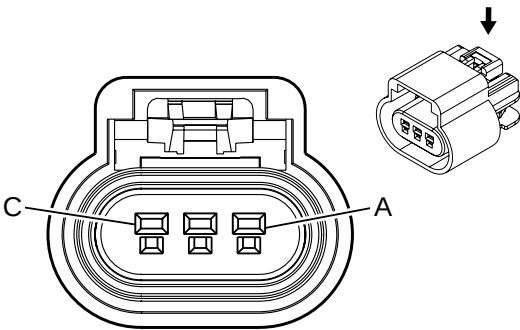
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-16 (LT GN)	Not Available	Not Available	Not Available	Not Available	Not Available

B203 Engine Coolant Radiator Temperature Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/BK	3000	Coolant Temperature Sensor #2 Signal	I	-
2	0.5	BK/L-BU	6813	Coolant Temperature Sensor #2 Low Reference	I	-

B227 Gear Position Sensor (NQ6)



Connector Part Information

Harness Type: Engine
OEM Connector: 15326808
Service Connector: 13580871
Description: 3-Way F 150 GT Series, Sealed (BK)

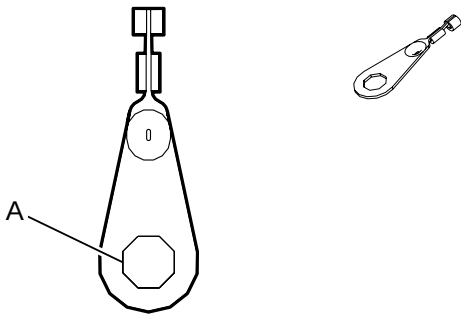
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

B227 Gear Position Sensor (NQ6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	YE/BK	7478	Rotary Position Sensor Return	I	-
B	0.5	WH/RD	7477	Rotary Position Sensor Supply 5V	I	-
C	0.5	WH/L-GN	7479	Rotary Position Sensor Signal	I	-

C1 Battery X2



Connector Part Information

Harness Type: Body
OEM Connector: 13268280
Service Connector: Service by Cable Assembly - See Part Catalog
Description: 1-Way Ring Terminal

Terminal Part Information

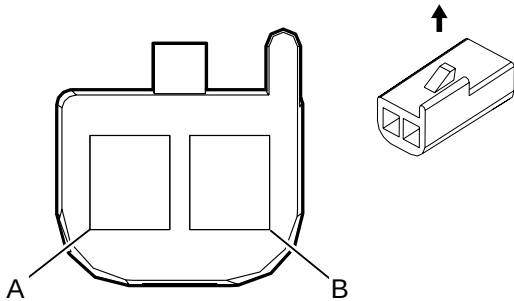
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

C1 Battery X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK	1650	Ground	I	-

cardiagn.com

C3 Telematics Communication Interface Control Module Battery (UE1)



Connector Part Information

Harness Type: Body
OEM Connector: 12047662
Service Connector: 12085535
Description: 2-Way F 150 Metri Pack Series (BK)

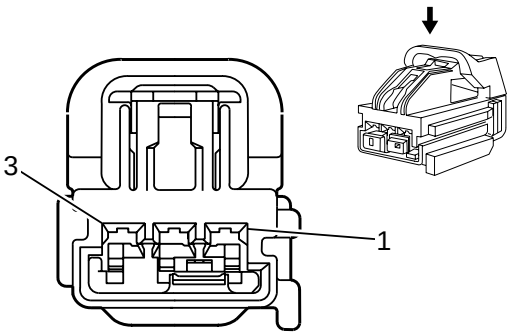
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-14 (GN)	Not Available	Not Available	Not Available	Not Available	Not Available

C3 Telematics Communication Interface Control Module Battery (UE1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	YE/VT	5235	Battery Backup Supply Voltage	I	-
B	0.5	BK/VT	5167	Battery Backup Low Reference	I	-

E6 Center High Mounted Stop Lamp



Connector Part Information

Harness Type: Body
OEM Connector: 7283-3440-40
Service Connector: 19149536
Description: 3-Way F 1.5 Kaizen Series (L-GY)

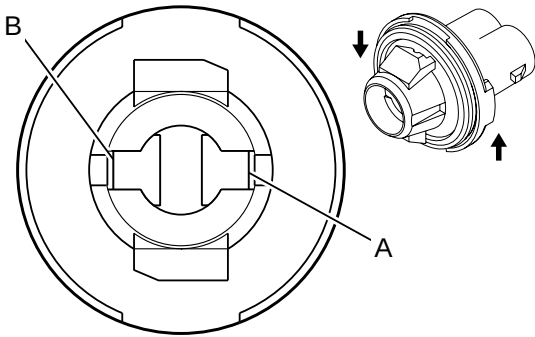
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

E6 Center High Mounted Stop Lamp

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	WH/VT	1430	Exterior Courtesy Lamp Supply Voltage	I	-
2	0.35	VT/GY	1054	Stop Lamp Supply Voltage	I	-
3	0.75	BK	3150	Ground	I	-

E7L License Plate Lamp - Left



Connector Part Information

Harness Type: License Lamp
OEM Connector: 15324946
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F Lamp Socket Wedge Base W2 (D-GY)

Terminal Part Information

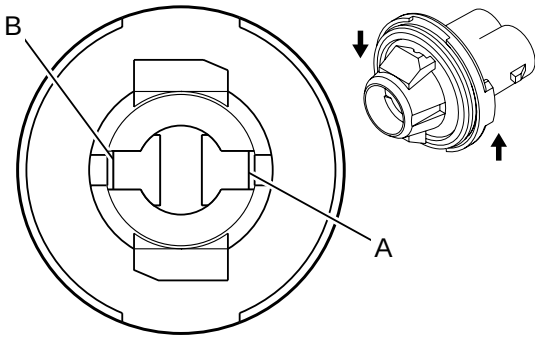
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

E7L License Plate Lamp - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN/YE	6846	Rear License Lamp Supply Voltage	I	-
2	0.5	BK	750	Ground	I	-

cardiagn.com

E7R License Plate Lamp - Right



Connector Part Information

Harness Type: License Lamp
OEM Connector: 15324946
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F Lamp Socket Wedge Base W2 (D-GY)

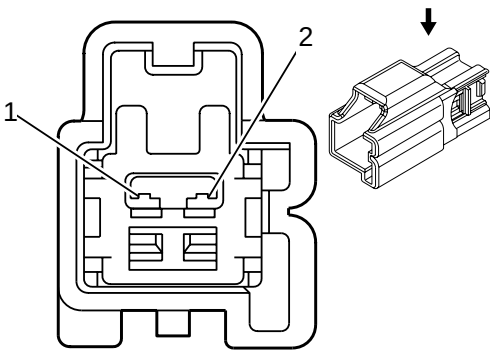
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

E7R License Plate Lamp - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN/YE	6846	Rear License Lamp Supply Voltage	I	-
2	0.5	BK	750	Ground	I	-

E14A Seat Heating Element - Driver Back (KA1)



Connector Part Information

Harness Type: Driver Seat Back
OEM Connector: 7282-6443-40
Service Connector: 88988503
Description:2-Way M 1.5 Series (L-GY)

Terminal Part Information

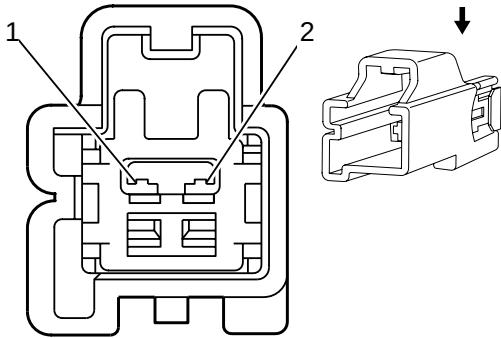
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575818	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E14A Seat Heating Element - Driver Back (KA1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN	2432	Driver Heated Back Element Supply Voltage	I	-
2	0.75	BK	3750	Ground	I	-

cardiagn.com

E14B Seat Heating Element - Driver Cushion (KA1)



Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 7282-6443-40
Service Connector: 19167746
Description: 2-Way M 1.5 Series (GN)

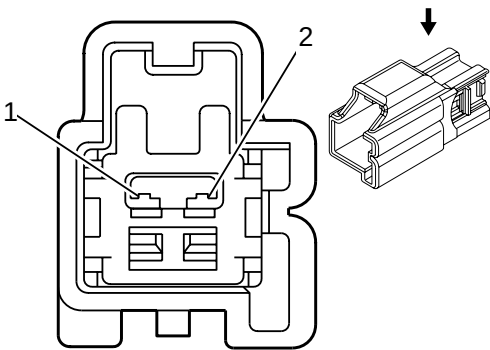
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575818	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E14B Seat Heating Element - Driver Cushion (KA1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN/L-BU	2479	Driver Heated Seat Element Supply Voltage	I	-
2	0.75	BK	3750	Ground	I	-

E14C Seat Heating Element - Passenger Back (KA1)



Connector Part Information

Harness Type: Passenger Seat Back
OEM Connector: 7282-6443-40
Service Connector: 88988503
Description:2-Way M 1.5 Series (L-GY)

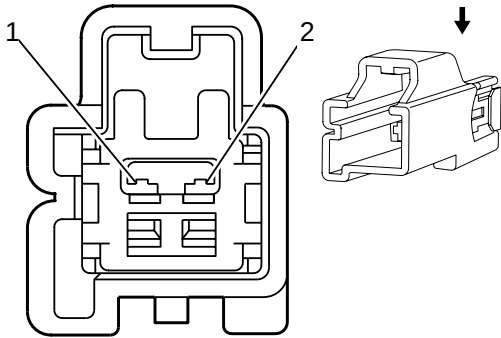
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575818	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E14C Seat Heating Element - Passenger Back (KA1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	WH/BN	2481	Passenger Heated Back Element Supply Voltage	I	-
2	0.75	BK	3850	Ground	I	-

E14D Seat Heating Element - Passenger Cushion (KA1)



Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 7282-6443-40
Service Connector: 19167746
Description: 2-Way M 1.5 Series (GN)

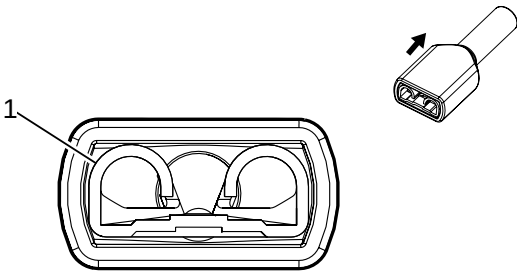
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575818	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E14D Seat Heating Element - Passenger Cushion (KA1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN/L-BU	2479	Passenger Heated Seat Element Supply Voltage	I	-
2	0.75	BK	3850	Ground	I	-

E17D Outside Rearview Mirror Glass - Driver X1 (DL9)



Connector Part Information

Harness Type: Outside Rearview Mirror - Driver
OEM Connector: 2–520272–2
Service Connector: Service by Component - See Part Catalog
Description: 1-Way F 250 Series Slide Spade Terminal (NA)

Terminal Part Information

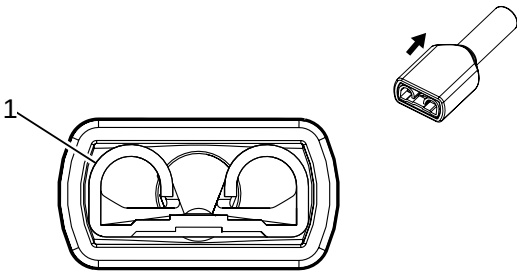
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E17D Outside Rearview Mirror Glass - Driver X1 (DL9)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK	2267	Mirror Heating Element Supply Voltage	I	DL9

cardiagn.com

E17D Outside Rearview Mirror Glass - Driver X2 (DL9)



Connector Part Information

Harness Type: Outside Rearview Mirror - Driver
OEM Connector: 2–520272–2
Service Connector: Service by Component - See Part Catalog
Description: 1-Way F 250 Series Slide Spade Terminal (NA)

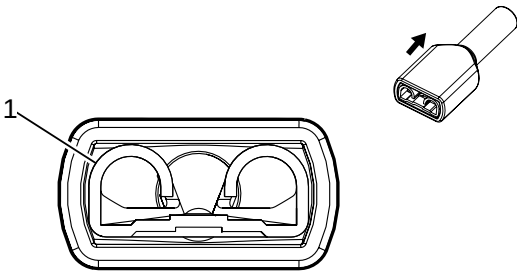
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E17D Outside Rearview Mirror Glass - Driver X2 (DL9)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK	3550	Ground	I	DL9

E17P Outside Rearview Mirror Glass - Passenger X1 (DL9)



Connector Part Information

Harness Type: Outside Rearview Mirror - Passenger
OEM Connector: 2–520272–2
Service Connector: Service by Component - See Part Catalog
Description: 1-Way F 250 Series Slide Spade Terminal (NA)

Terminal Part Information

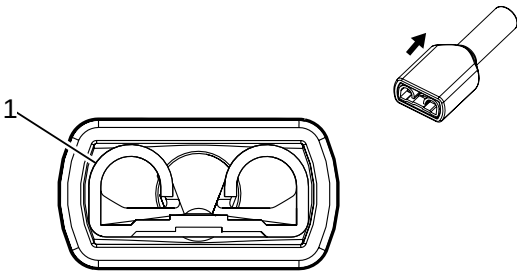
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E17P Outside Rearview Mirror Glass - Passenger X1 (DL9)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK	2267	Mirror Heating Element Supply Voltage	I	DL9

cardiagn.com

E17P Outside Rearview Mirror Glass - Passenger X2 (DL9)



Connector Part Information

Harness Type: Outside Rearview Mirror - Passenger
OEM Connector: 2–520272–2
Service Connector: Service by Component - See Part Catalog
Description: 1-Way F 250 Series Slide Spade Terminal (NA)

Terminal Part Information

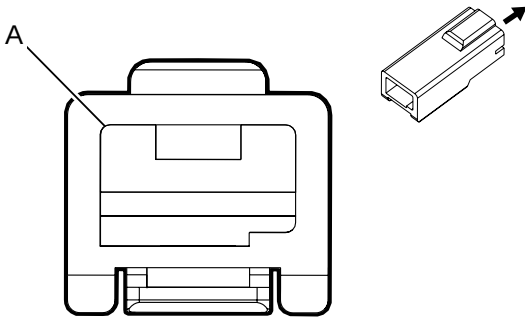
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E17P Outside Rearview Mirror Glass - Passenger X2 (DL9)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK	3650	Ground	I	DL9

cardiagn.com

E18 Rear Defogger Grid X1 (C49)



Connector Part Information

Harness Type: Body
OEM Connector: 13705266
Service Connector: 19301743
Description: 1-Way F 630 Metri Pack Series (BK)

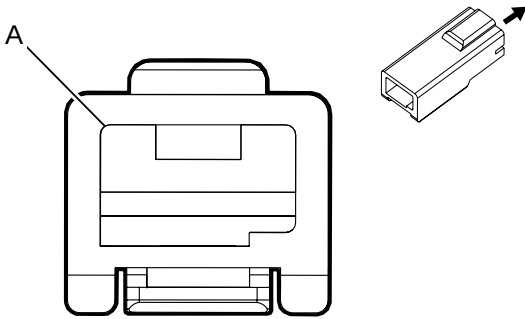
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-42 (RD)	Not Available	Not Available	Not Available	Not Available	Not Available

E18 Rear Defogger Grid X1 (C49)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	2.5	BN/VT	293	Rear Defog Element Supply Voltage	I	-

E18 Rear Defogger Grid X2 (C49)



Connector Part Information

Harness Type: Body
OEM Connector: 13705266
Service Connector: 19301743
Description: 1-Way F 630 Metri Pack Series (BK)

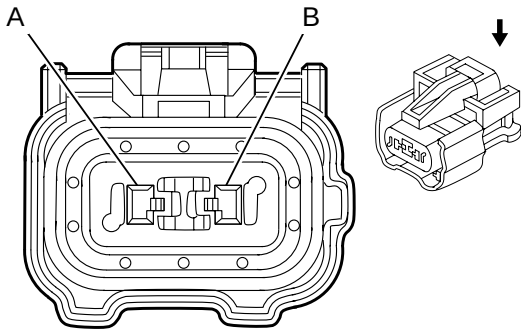
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E18 Rear Defogger Grid X2 (C49)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	4	BK	3950	Ground	I	-

E29LF Fog Lamp - Left Front (T3U)



Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 13513272
Service Connector: 19153187
Description: 2-Way F 150 GT Series, Sealed (NA)

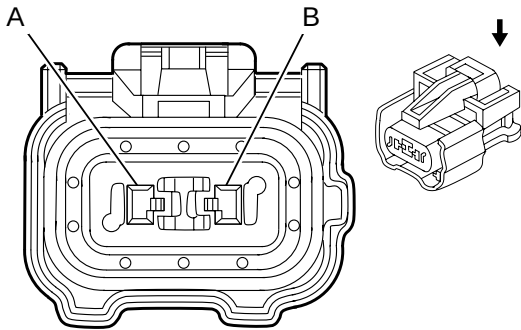
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E29LF Fog Lamp - Left Front (T3U)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	BN/VT	2234	Front Fog Lamp Supply Voltage	I	-
B	0.75	BK	1150	Ground	I	-

E29RF Fog Lamp - Right Front (T3U)



Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 13513272
Service Connector: 19153187
Description: 2-Way F 150 GT Series, Sealed (NA)

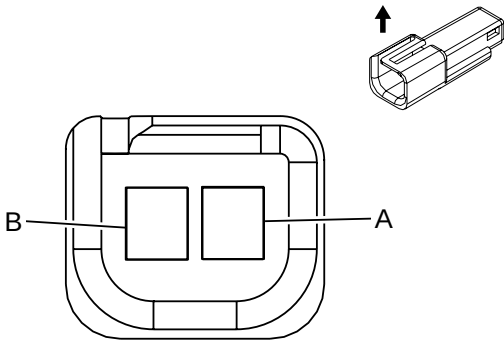
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E29RF Fog Lamp - Right Front (T3U)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	BN/VT	2234	Front Fog Lamp Supply Voltage	I	-
B	0.75	BK	1250	Ground	I	-

E31L Sunshade Mirror Lamp - Left (D6I)



Connector Part Information

Harness Type: Headliner
OEM Connector: 12047663
Service Connector: 13584278
Description: 2-Way M 150 Metri Pack Series (BK)
Harness Type: Headliner Extension
OEM Connector: 12047663
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 150 Metri Pack Series (BK)

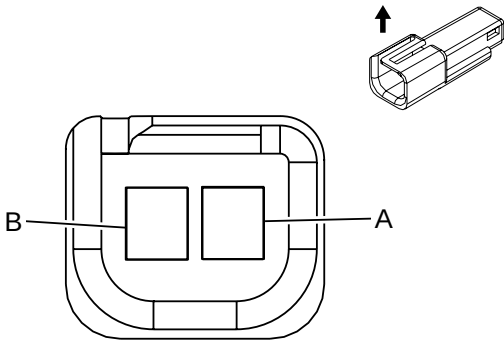
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-3 (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

E31L Sunshade Mirror Lamp - Left (D6I)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	WH/BN	6815	Inadvertent Power Control	I	-
B	0.5	BK	3150	Ground	I	-

E31R Sunshade Mirror Lamp - Right (D6I)



Connector Part Information

Harness Type: Headliner
OEM Connector: 12047663
Service Connector: 13584278
Description: 2-Way M 150 Metri Pack Series (BK)
Harness Type: Headliner Extension
OEM Connector: 12047663
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 150 Metri Pack Series (BK)

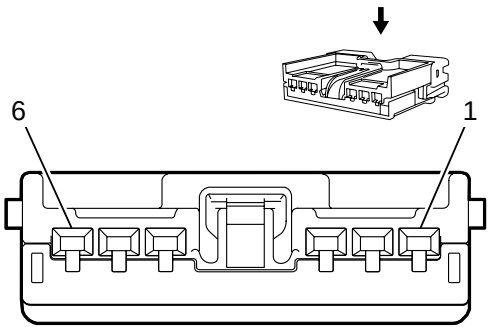
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-3 (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

E31R Sunshade Mirror Lamp - Right (D6I)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	WH/BN	6815	Inadvertent Power Control	I	-
B	0.5	BK	3150	Ground	I	-

E37F Dome/Reading Lamps - Front (C74)



Connector Part Information

Harness Type: Headliner
OEM Connector: 6098-5985
Service Connector: 13576538
Description: 6-Way F 1.5 Series (BK)
Harness Type: Headliner Extension
OEM Connector: 6098-5985
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 1.5 Series (BK)

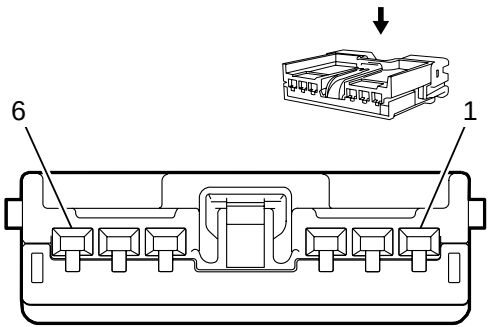
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

E37F Dome/Reading Lamps - Front (C74)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/BN	6815	Inadvertent Power Control	I	-
2	0.5	GY	157	Interior Lamp Control	I	-
3	0.5	YE	6817	LED Backlight Dimming Control	I	-
4	0.35	GY/L-GN	328	Interior Lamp Defeat Switch Signal	I	-
5	0.35	GY	156	Courtesy Lamp Switch Signal	I	-
6	0.5	BK	3150	Ground	I	-

E37R Dome/Reading Lamps - Rear (TR0)



Connector Part Information

Harness Type: Headliner
OEM Connector: 6098-5985
Service Connector: 13576538
Description: 6-Way F 1.5 Series (BK)
Harness Type: Headliner Extension
OEM Connector: 6098-5985
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 1.5 Series (BK)

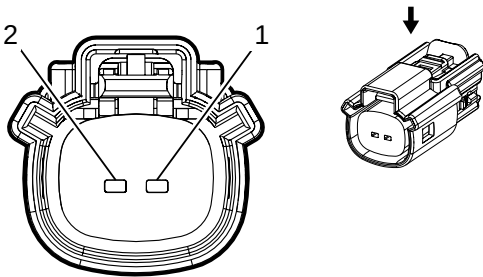
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

E37R Dome/Reading Lamps - Rear (TR0)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/BN	6815	Inadvertent Power Control	I	-
2	0.5	GY	157	Interior Lamp Control	I	-
3-5	-	-	-	Not Occupied	-	-
6	0.5	BK	3150	Ground	I	-

E41 Engine Coolant Thermostat Heater (LCV)



Connector Part Information

Harness Type: Engine
OEM Connector: 33471-0201
Service Connector: 19119765
Description: 2-Way F 1.5 Series, Sealed (BK)

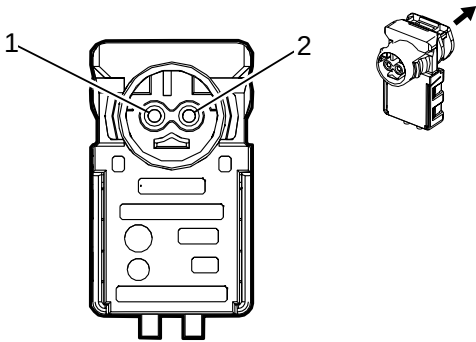
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

E41 Engine Coolant Thermostat Heater (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/L-BU	5293	Powertrain Main Relay Fused Supply (4)	I	-
2	0.5	L-BU	6814	Thermostat Engine Cool Control	I	-

F101 Passenger Instrument Panel Air Bag X1



Connector Part Information

Harness Type: Instrument Panel Air Bag
OEM Connector: 13580454
Service Connector: Service by Component Assembly – See Part Catalog
Description: 2-Way F AK-2 Series (L-GN with YE cover)

Terminal Part Information

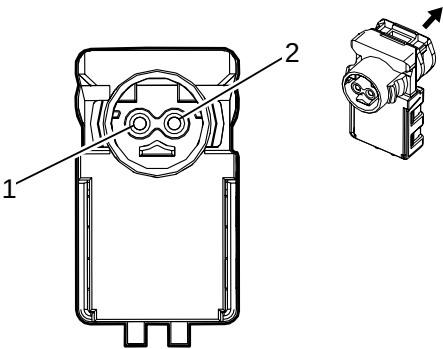
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Service by Component Assembly – See Part Catalog	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

F101 Passenger Instrument Panel Air Bag X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE/OG	3025	Passenger IP Module Stage 1 High Control	I	-
2	0.35	OG/WH	3024	Passenger IP Module Stage 1 Low Control	I	-

cardiagn.com

F101 Passenger Instrument Panel Air Bag X2



Connector Part Information

Harness Type: Instrument Panel Air Bag
OEM Connector: 13580453
Service Connector: Service by Component Assembly – See Part Catalog
Description: 2-Way F AK-2 Series (YE with YE cover)

Terminal Part Information

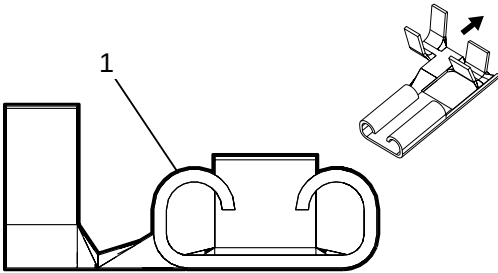
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Service by Component Assembly – See Part Catalog	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

F101 Passenger Instrument Panel Air Bag X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY	3027	Passenger IP Module Stage 2 High Control	I	-
2	0.35	OG/VT	3026	Passenger IP Module Stage 2 Low Control	I	-

cardiagn.com

F101 Passenger Instrument Panel Air Bag X3



Connector Part Information

Harness Type: Instrument Panel Air Bag
OEM Connector: Not Available
Service Connector: Service by Harness — See Part Catalog
Description: 1-Way F 250 Lance Series (NA)

Terminal Part Information

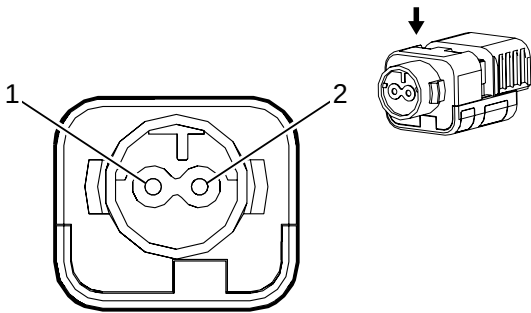
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Service by Harness — See Part Catalog	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

F101 Passenger Instrument Panel Air Bag X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/WH	2051	Ground	I	—

cardiagn.com

F105L Roof Rail Air Bag - Left



Connector Part Information

Harness Type: Body
OEM Connector: 19153419
Service Connector: 19300405
Description: 2-Way F 0.64 Series (BK with YE Cover)

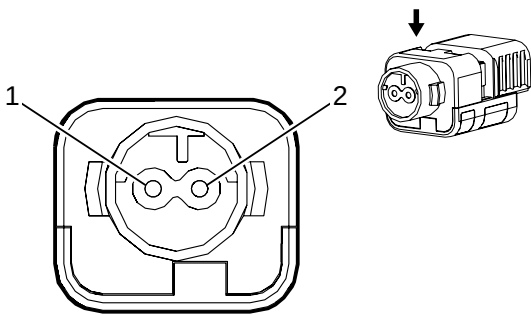
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	No Tool Required	Not Available	Not Available	Not Available	Not Available	Not Available

F105L Roof Rail Air Bag - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/L-GN	5019	Left Front Head Curtain Module High Control	I	-
2	0.5	VT/OG	5020	Left Front Head Curtain Module Low Control	I	-

F105R Roof Rail Air Bag - Right



Connector Part Information

Harness Type: Body
OEM Connector: 19153419
Service Connector: 19300405
Description: 2-Way F 0.64 Series (BK with YE Cover)

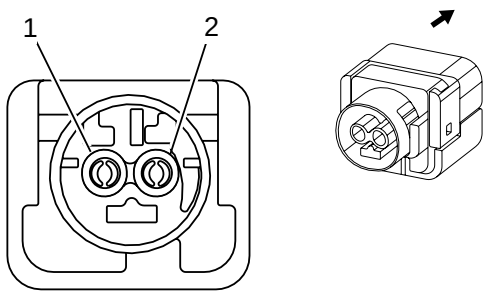
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	No Tool Required	Not Available	Not Available	Not Available	Not Available	Not Available

F105R Roof Rail Air Bag - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/GY	5021	Right Front Head Curtain Module High Control	I	-
2	0.5	WH/OG	5022	Right Front Head Curtain Module Low Control	I	-

F106D Seat Side Air Bag - Driver



Connector Part Information

Harness Type: Driver Seat Back
OEM Connector: PPI0001142
Service Connector: 19300405
Description: 2-Way F FPB 180 1 Series (BK with YE cover)

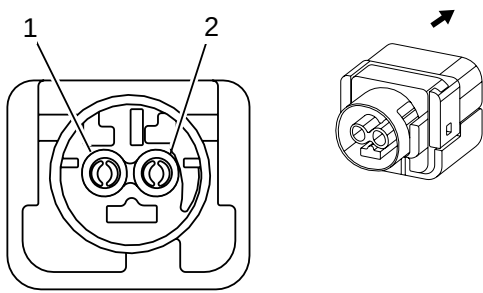
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

F106D Seat Side Air Bag - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/L-BU	3068	Driver Side Impact Module High Control	I	-
2	0.5	L-GN/OG	3069	Driver Side Impact Module Low Control	I	-

F106P Seat Side Air Bag - Passenger



Connector Part Information

Harness Type: Passenger Seat Back
OEM Connector: PPI0001142
Service Connector: 19300405
Description: 2-Way F FPB 180 1 Series (BK with YE cover)

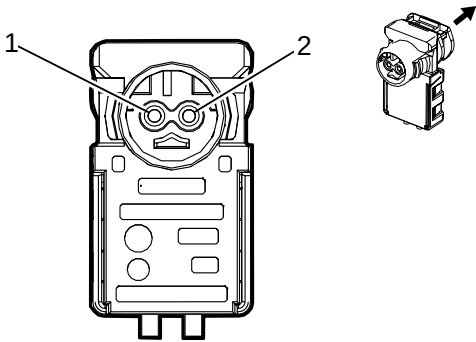
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

F106P Seat Side Air Bag - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/GY	3066	Passenger Side Impact Module High Control	I	-
2	0.5	BN/OG	3067	Passenger Side Impact Module Low Control	I	-

F107 Steering Wheel Air Bag X1



Connector Part Information

Harness Type: Steering Wheel Air Bag Coil
OEM Connector: 13580454
Service Connector: Service by Component Assembly – See Part Catalog
Description: 2-Way F AK-2 Series (L-GN with YE cover)

Terminal Part Information

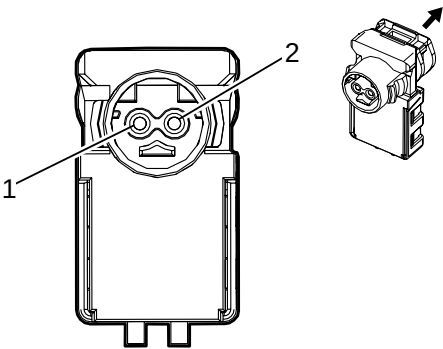
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Service by Component Assembly – See Part Catalog	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

F107 Steering Wheel Air Bag X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.50	TN	3021	Steering Wheel Module – Stage 1 – High Control	I	-
2	0.50	BN	3020	Steering Wheel Module – Stage 1 – Low Control	I	-

cardiagn.com

F107 Steering Wheel Air Bag X2



Connector Part Information

Harness Type: Steering Wheel Air Bag Coil
OEM Connector: 13580453
Service Connector: Service by Component Assembly – See Part Catalog
Description: 2-Way F AK-2 Series (YE with YE cover)

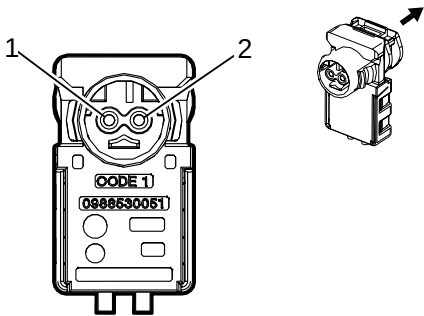
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Service by Component Assembly – See Part Catalog	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

F107 Steering Wheel Air Bag X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH	3023	Steering Wheel Module – Stage 2 – High Control	I	-
2	0.35	PK	3022	Steering Wheel Module – Stage 2 – Low Control	I	-

F112D Seat Belt Retractor Pretensioner - Driver



Connector Part Information

Harness Type: Body
OEM Connector: 13580455
Service Connector: 19119345
Description: 2-Way F AK 2 Series

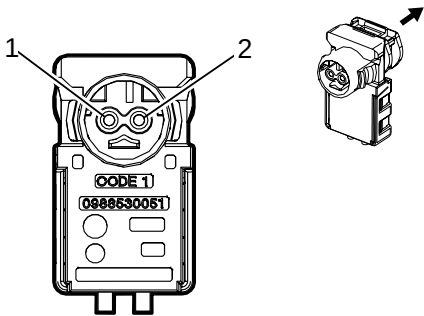
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	No Tool Required	Not Available	Not Available	Not Available	Not Available	Not Available

F112D Seat Belt Retractor Pretensioner - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	OG/WH	3477	Driver Seat Belt Retractor Pretensioner High Control	I	-
2	0.35	GY/OG	3478	Driver Seat Belt Retractor Pretensioner Low Control	I	-

F112P Seat Belt Retractor Pretensioner - Passenger



Connector Part Information

Harness Type: Body
OEM Connector: 13580455
Service Connector: 19119345
Description: 2-Way F AK 2 Series

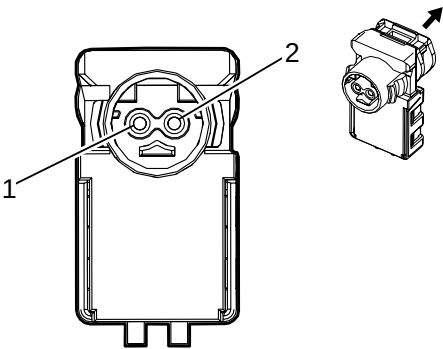
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	No Tool Required	Not Available	Not Available	Not Available	Not Available	Not Available

F112P Seat Belt Retractor Pretensioner - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	OG/L-GN	3475	Passenger Seat Belt Retractor Pretensioner High Control	I	-
2	0.35	WH/OG	3476	Passenger Seat Belt Retractor Pretensioner Low Control	I	-

F113D Seat Belt Anchor Pretensioner – Driver



Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 13580453
Service Connector: Service by Harness – See Part Catalog
Description: 2-Way F AK-2 Series (YE with YE cover)

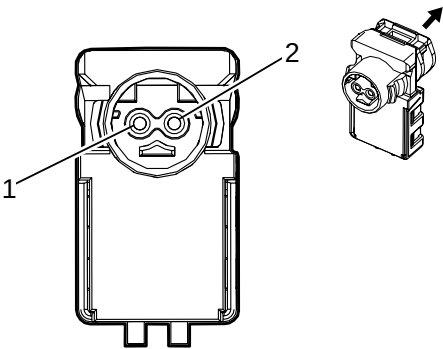
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

F113D Seat Belt Anchor Pretensioner – Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/WH	3481	Driver Seat Belt Anchor Pretensioner High Control	I	-
2	0.5	YE/VT	3482	Driver Seat Belt Anchor Pretensioner Low Control	I	-

F113P Seat Belt Anchor Pretensioner - Passenger



Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 13580453
Service Connector: Service by Harness – See Part Catalog
Description: 2-Way F AK-2 Series (YE with YE cover)

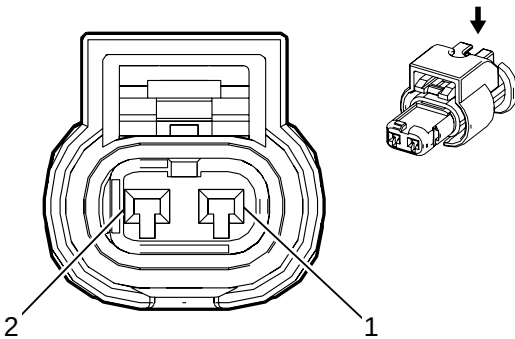
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

F113P Seat Belt Anchor Pretensioner - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/BN	3479	Passenger Seat Belt Anchor Pretensioner High Control	I	-
2	0.5	GY/OG	3480	Passenger Seat Belt Anchor Pretensioner Low Control	I	-

G1 A/C Compressor



Connector Part Information

Harness Type: Engine
OEM Connector: 2-1823608-5
Service Connector: 19299928
Description: 2-Way F 1.2 Multiple Contact Point Series, Sealed (BK with NA Inner Connector)

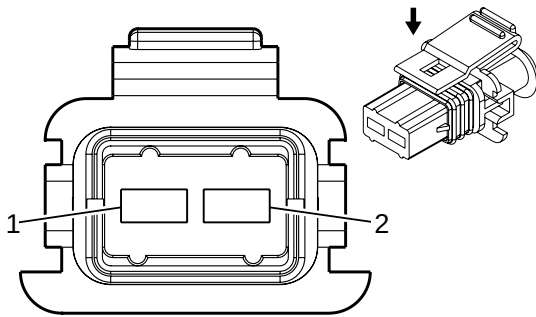
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-16 (LT GN)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

G1 A/C Compressor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	L-BU/YE	7574	Electric Variable Displacement Control	I	-
2	0.75	L-BU/BN	7573	Electric Variable Displacement Supply	I	-

G13 Generator X1



Connector Part Information

Harness Type: Engine
OEM Connector: 12186308
Service Connector: 13585849
Description: 2-Way F Junior Power Timer Series, Sealed (BK)

Terminal Part Information

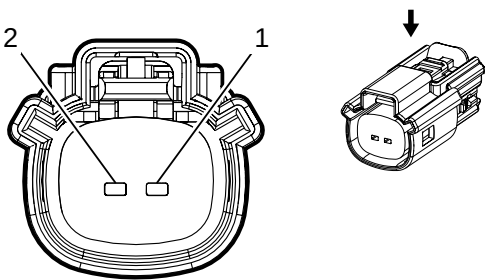
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-35 (VT)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

G13 Generator X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-BU/WH	225	Generator Turn On Signal	I	-
2	0.5	GY	23	Generator Field Duty Cycle Signal	I	-

cardiagn.com

G18 High Pressure Fuel Pump (LCV)



Connector Part Information

Harness Type: Engine
OEM Connector: 33471-0206
Service Connector: 13577534
Description: 2-Way F 1.5 Series, Sealed (BK)

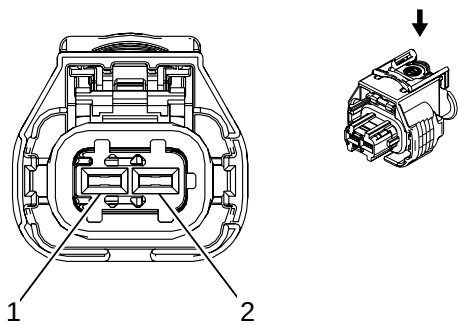
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

G18 High Pressure Fuel Pump (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE	7301	High Pressure Fuel Pump Actuator High - Control	I	-
2	0.5	VT/BK	7300	High Pressure Fuel Pump Actuator Low - Control	I	-

G18 High Pressure Fuel Pump (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 1928405521
Service Connector: 13384371
Description: 2-Way F 2.8 Series, Sealed (BK)

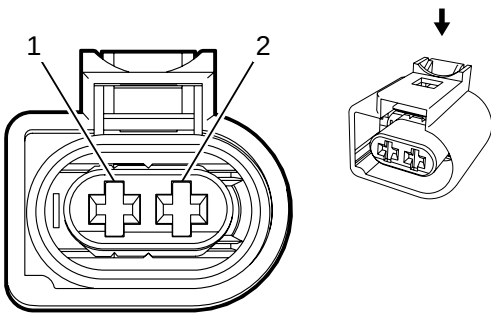
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

G18 High Pressure Fuel Pump (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BK	7300	High Pressure Fuel Pump Actuator Low - Control	I	-
2	0.5	YE	7301	High Pressure Fuel Pump Actuator High - Control	I	-

G24 Windshield Washer Pump



Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 1-1355200-1
Service Connector: 13576532
Description: 2-Way F 2.8 MDK5 Series, Sealed (BK)

Terminal Part Information

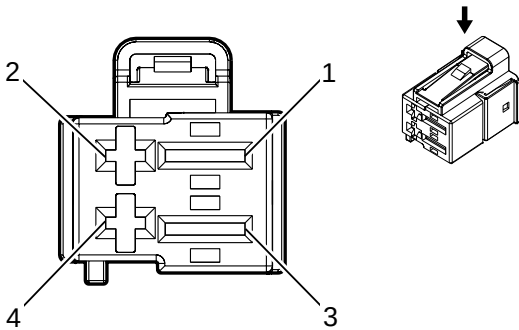
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-35 (VT)	Not Available	Not Available	Not Available	Not Available	Not Available

G24 Windshield Washer Pump

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	GY/VT	228	Windshield Washer Pump Control	I	-
2	0.75	BK	1150	Ground	I	-

cardiagn.com

K8 Blower Motor Control Module



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 1-1418507-2
Service Connector: 19329746
Description: 4-Way F 2.8, 6.3 Multiple Contact Point Series (BK)

Terminal Part Information

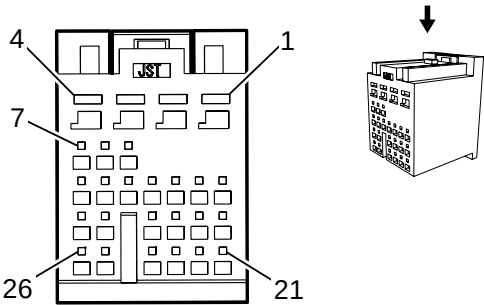
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

K8 Blower Motor Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	5	BK	2250	Ground	I	-
2	-	-	-	Not Occupied	-	-
3	2.5	RD/VT	542	Battery Positive Voltage	I	-
4	0.35	L-BU/GY	754	Blower Motor Speed Control	I	-

cardiagn.com

K9 Body Control Module X1



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: HIT2PB-26-B-S
Service Connector: 19151262
Description: 26-Way F 0.64, 2.8 Series (WH)

Terminal Part Information

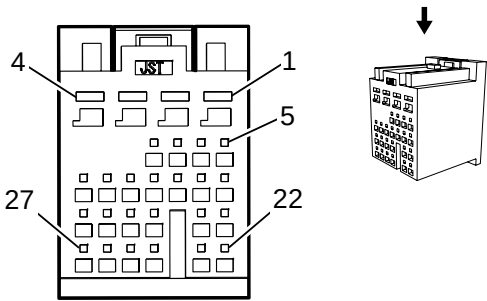
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	19303556	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	13575870	J-35616-35 (VT)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

K9 Body Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	2150	Ground	I	-
2	1	RD/L-GN	2440	Battery Positive Voltage	I	-
3	1	RD/YE	2340	Battery Positive Voltage	I	-
4	0.75	RD/BN	2240	Battery Positive Voltage	I	-
5	0.35	WH	6816	Indicator Dimming Control	II	-
6	-	-	-	Not Occupied	-	-
7	0.35	BK/YE	5005	Instrument Panel Lamp Dimmer Switch Low Reference	II	-
8-9	-	-	-	Not Occupied	-	-
10	0.35	L-BU/YE	6844	ABS/TCS Hill Descent Control Switch Signal	II	-
11	0.35	L-GN/BN	306	Headlamp Switch Headlamps Off Signal Control	II	-
12	-	-	-	Not Occupied	-	-
13	0.35	L-BU/RD	1688	5 Volt Reference	II	-
14	0.35	GY/L-GN	328	Interior Lamp Defeat Switch Signal	II	-
15	0.35	L-BU/GY	192	Front Fog Lamp Switch Signal	II	-

16	0.35	WH/VT	103	Headlamp Switch On Signal	II	-
17-18	-	-	-	Not Occupied	-	-
19	0.35	BK/BN	5360	Brake Apply Sensor Low Reference	II	-
20	-	-	-	Not Occupied	-	-
21	0.35	GY	728	Security Indicator Control	II	-
22	0.35	L-GN/GY	13	Headlamp Switch Park Lamp Signal	II	-
23	-	-	-	Not Occupied	-	-
24	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	II	-
25	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) (1)	II	-
26	0.35	L-BU/WH	3275	Remote Function Actuator Receive Signal	II	-

K9 Body Control Module X2



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: HIT2PB-27-C-LE
Service Connector: 19151266
Description: 27-Way F 0.64 2.8 Series (L-BU)

Terminal Part Information

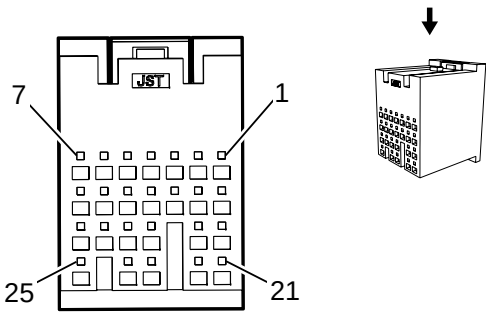
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	19303556	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	13575870	J-35616-35 (VT)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
III	19303557	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

K9 Body Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/GY	2140	Battery Positive Voltage	I	-
2	0.75	BK	2150	Ground	I	-
3	-	-	-	Not Occupied	-	-
4	2.5	RD/VT	4040	Battery Positive Voltage	III	-
5	0.5	GY	157	Interior Lamp Control	II	-
6	0.35	GY	5697	Child Lockout Indicator	II	-
7	0.35	L-BU/YE	5361	Brake Apply Sensor Signal	II	-
8	0.5	YE	6817	LED Backlight Dimming Control	II	-
9	0.35	YE/GY	44	Instrument Panel Lamp Dimmer Switch Signal	II	-
10	0.35	WH/L-BU	278	Ambient Light Sensor Signal	II	-
11	0.35	VT/YE	5526	Tap Up/Tap Down Switch Signal	II	-
12	-	-	-	Not Occupied	-	-
13	0.35	WH	5359	Brake Apply Sensor Supply Voltage	II	-

14	0.35	L-BU/VT	1788	Traction Control Switch Signal (1)	II	-
15	0.35	BN/WH	781	Driver Door Lock Switch Unlock Signal	II	-
16	0.35	GY	3273	Remote Function Actuator Return	II	-
17	-	-	-	Not Occupied	-	-
18	0.35	YE/BN	3265	Child Security Lock Switch Signal	II	-
19	0.35	BN/YE	780	Driver Door Lock Switch Lock Signal	II	-
20	0.5	WH/L-BU	3691	Trailer Brake Apply Signal	II	Z82
21	0.5	L-GN/GY	6135	Linear Interconnect Network Bus 4	II	-
22	0.5	L-GN	5060	Low Speed GMLAN Serial Data	II	-
23	0.35	WH	2501	High Speed GMLAN Serial Data (-) (1)	II	-
24	0.35	L-BU	2500	High Speed GMLAN Serial Data (+) (1)	II	-
25	0.35	GY/WH	3272	Remote Function Actuator Supply Voltage	II	-
26	0.35	L-GN/WH	111	Hazard Switch Signal	II	-
27	0.35	YE/L-GN	3274	Remote Function Actuator Transmit Signal	II	-

K9 Body Control Module X3



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: HIT2PB-25-A-LM
Service Connector: 19151261
Description: 25-Way F 0.64 Series (L-GN)

Terminal Part Information

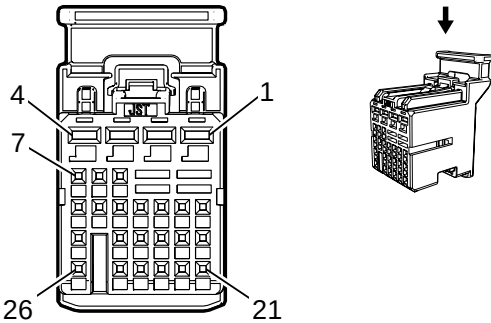
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575870	J-35616-35 (VT)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

K9 Body Control Module X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	L-GN/GY	3277	Vehicle Anti-Theft System Immobilizer Return	I	-
2	0.35	L-GN/VT	7533	Linear Interconnect Network Bus 11	I	-
3	0.35	GY/BK	3276	Vehicle Anti-Theft System Immobilizer Supply Voltage	I	-
4	0.35	WH/RD	1444	12 Volt Reference	I	-
5	0.5	VT/YE	4	Accessory Voltage	I	-
6	0.5	VT/BK	3	Run/Crank Ignition 1 Voltage	I	-
7	0.35	VT/YE	143	Accessory Voltage	I	-
8	0.35	L-GN	6818	Steering Wheel Resistor Ladder Signal #1	I	-
9	0.35	BN/L-GN	1884	Cruise Control Set/Coast/Resume/Accelerate Switch Signal	I	-
10	0.35	BK/GY	6009	Windshield Wiper Switch Low Reference	I	-
11	0.35	WH	524	Headlamp Dimmer Switch High Beam Signal	I	-
12	0.35	WH/L-GN	663	Hazard Switch Left Turn Signal	I	-
13	0.35	YE/L-BU	1714	Windshield Wiper Switch Low Signal	I	-
14	0.35	L-BU/GY	553	Shift Select Switch Performance Signal	I	-
15	0.5	WH/VT	1020	Off/Run/Crank Voltage	I	-

16	0.35	GY/L-GN	5737	Adaptive Cruise Control Gap Up/Down Switch Signal	I	-
17	0.35	YE/BN	307	Headlamp Switch Flash To Pass Signal	I	-
18	0.35	L-GN/WH	3287	Horn Switch Signal	I	-
19	0.5	L-GN/WH	7527	Linear Interconnect Network Bus 5	I	-
20	0.35	GY	1715	Windshield Wiper Switch High Signal	I	-
21	-	-	-	Not Occupied	-	-
22	0.5	WH/BK	1073	Ignition Key Resistor Signal	I	-
23	-	-	-	Not Occupied	-	-
24	0.35	VT/L-BU	664	Hazard Switch Right Turn Signal	I	-
25	0.35	WH/BK	94	Windshield Washer Switch Signal	I	-

K9 Body Control Module X4



Connector Part Information

Harness Type: Body
OEM Connector: HIT2PB-26-D-K
Service Connector: 19151263
Description: 26-Way F 0.64 2.8 Series (BK)

Terminal Part Information

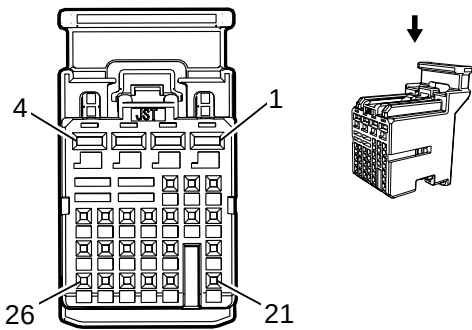
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13587425	J-35616-35 (VT)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	13575870	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

K9 Body Control Module X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	YE	312	Right Headlamp Low Beam Supply Voltage	I	-
2	1.5	YE	712	Left Headlamp Low Beam Supply Voltage	I	-
3	0.75	L-GN/VT	1315	Right Front Turn Signal Lamp Supply Voltage	I	-
4	1.5	WH/YE	7541	Right Rear Stop Lamp Supply Voltage	I	-
5	0.5	GY/BN	309	Right Park Lamp Supply Voltage	II	-
6	0.5	VT/GY	709	Left Park Lamp Supply Voltage	II	-
7	0.5	BN/L-BU	2509	Left Rear Park Lamp Supply Voltage	II	-
8-11	-	-	-	Not Occupied	-	-
12	0.35	GY/VT	755	RAP Relay Coil Control	II	-
13	0.5	L-GN/YE	6846	Rear License Lamp Supply Voltage	II	-
14	0.5	BN/GY	2268	Windshield Washer Relay Control	II	-
15	0.35	L-GN/VT	5199	Run/Crank Relay Coil Control	II	-
16	0.5	GY	91	Windshield Wiper Motor Relay Coil Supply Voltage	II	-
17	0.5	BN/L-GN	196	Windshield Wiper Motor Park Switch Signal	II	-

18	0.5	WH/YE	5075	Current Sensor Signal	II	-
19	-	-	-	Not Occupied	-	-
20	0.5	RD/BN	440	Battery Positive Voltage	II	-
21	0.5	L-BU/VT	5076	Current Sensor Supply Voltage	II	-
22	0.35	VT/YE	5985	Accessory Wakeup Serial Data	II	-
23	0.5	WH/L-BU	5986	Serial Data Communication Enable	II	-
24	0.5	BN/L-GN	109	Hood Ajar Switch Signal	II	-
25	-	-	-	Not Occupied	-	-
26	0.5	BK	1650	Ground	II	-

K9 Body Control Module X5



Connector Part Information

Harness Type: Body
OEM Connector: HIT2PB-26-E-N
Service Connector: 19151264
Description: 26-Way F 0.64 2.8 Series (BN)

Terminal Part Information

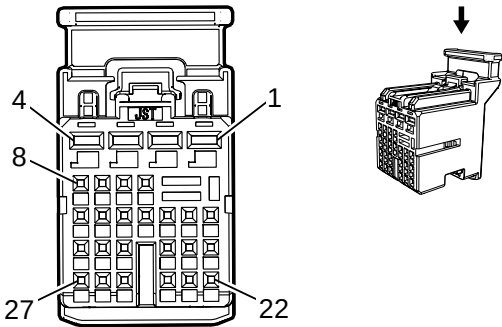
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13587425	J-35616-35 (VT)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	13575870	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

K9 Body Control Module X5

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	GY/YE	7542	Left Rear Stop Lamp Supply Voltage	I	-
2	0.75	L-BU/WH	1314	Left Front Turn Signal Lamp Supply Voltage	I	-
3	1.5	RD/WH	2740	Battery Positive Voltage	I	-
4	1.5	RD/VT	2640	Battery Positive Voltage	I	-
5	-	-	-	Not Occupied	-	-
6	0.5	BK/VT	5077	Current Sensor Low Reference	II	-
7	0.5	BN/GY	2609	Right Rear Park Lamp Supply Voltage	II	-
8	0.5	L-BU/WH	5186	Left Trailer Turn Signal Lamp	II	-
9-11	-	-	-	Not Occupied	-	-
12	0.35	WH/L-BU	6311	Cruise/ETC/TCC Brake Signal	II	-
13	0.5	BN/WH	1317	Fog Lamp Relay Control	II	-
14	0.5	VT/BN	300	Run Ignition 3 Voltage	II	-
15	-	-	-	Not Occupied	-	-
16	0.5	VT/YE	3267	Child Security Lock Relay Control	II	-

17	0.5	YE/GY	5187	Right Trailer Turn Signal Lamp	II	-
18	0.5	BN/VT	1969	Headlamp High Beam Relay Control	II	-
19	0.5	BN/WH	28	Horn Relay Control	II	-
20-21	-	-	-	Not Occupied	-	-
22	0.5	L-BU	45	Park Lamp Relay Control	II	-
23	-	-	-	Not Occupied	-	-
24	0.5	WH/VT	860	Front Windshield Wiper Switch High Signal	II	-
25	-	-	-	Not Occupied	-	-
26	0.5	L-BU/BN	38	Backup Lamp Relay Control	II	-

K9 Body Control Module X6



Connector Part Information

Harness Type: Body
OEM Connector: HIT2PB-27-F-PK
Service Connector: 19151267
Description: 27-Way F 0.64 2.8 Series (PK)

Terminal Part Information

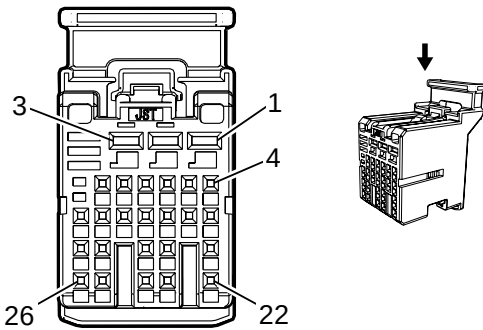
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13587425	J-35616-35 (VT)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	13575870	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

K9 Body Control Module X6

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	GY	5911	Door Lock Actuator Lock Control 2	I	-
2	1.5	GY/L-GN	3271	Door Lock Control (2)	I	-
3	1.5	BK	3150	Ground	I	-
4	1.5 0.75	BN/YE BN/YE	294 294	Door Lock Actuator Unlock Control Door Lock Actuator Unlock Control	I	CREW CAB EXTENDED CAB
5-8	-	-	-	Not Occupied	-	-
9	0.5	L-GN/L-BU	6133	Linear Interconnect Network Bus 2	II	-
10	0.5	L-GN/YE	6134	Linear Interconnect Network Bus 3	II	-
11-15	-	-	-	Not Occupied	-	-
16	0.5	L-GN/BN	6132	Linear Interconnect Network Bus 1	II	-
17-23	-	-	-	Not Occupied	-	-
24	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) (1)	II	-
25	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	II	-
26	-	-	-	Not Occupied	-	-
27	0.35	GY	747	Left Rear Door Ajar Switch Signal	II	-

27	0.35	GY	747	Left Rear Door Ajar Switch Signal	II	-
----	------	----	-----	-----------------------------------	----	---

K9 Body Control Module X7



Connector Part Information

Harness Type: Body
OEM Connector: HIT2PB-26-G-H
Service Connector: 19151265
Description: 26-Way F 0.64 2.8 Series (GY)

Terminal Part Information

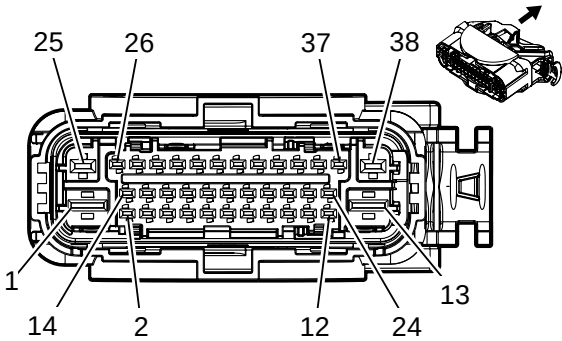
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575870	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	13587425	J-35616-35 (VT)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

K9 Body Control Module X7

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	-	-	-	Not Occupied	-	-
2	0.75	WH/BN	6815	Inadvertent Power Control	II	-
3	0.75	L-GN/WH	24	Backup Lamp Supply Voltage	II	-
4-5	-	-	-	Not Occupied	-	-
6	0.5	VT/BK	7553	Park Lock Solenoid Control	I	-
7	0.5	BN/WH	1429	Standing Lamp Relay Control	I	-
8	0.5	VT/WH	5065	Stop Lamp Relay Coil Supply Voltage	I	-
9-10	-	-	-	Not Occupied	-	-
11	0.35	GY	748	Right Rear Door Ajar Switch Signal	I	-
12	0.35	BN/WH	3269	Child Security Lock Motor Status Signal Left Rear	I	-
13	0.5	WH/VT	5905	Key Capture/Column Lock Shift Position Signal	I	-
14	0.5	GY	158	Cargo Lamp Switch Signal	I	-
15	0.5	L-BU/VT	1134	Park Brake Switch Signal	I	-
16	0.5	WH/L-BU	3691	Trailer Brake Apply Signal	I	Z82

17	-	-	-	Not Occupied	-	-
18	0.35	GY/BK	3268	Child Security Lock Motor Status Signal Right Rear	I	-
19	0.35	GY	156	Courtesy Lamp Switch Signal	I	-
20	-	-	-	Not Occupied	-	-
21	0.35	YE/VT	244	Passenger Door Lock Switch Lock Control	I	-
22	-	-	-	Not Occupied	-	-
23	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
24	0.35	BN/VT	245	Passenger Door Lock Switch Unlock Control	I	-
25-26	-	-	-	Not Occupied	-	-

K17 Electronic Brake Control Module



Connector Part Information

Harness Type: Chassis
OEM Connector: 13359630
Service Connector: 19299780
Description: 38-Way F 1.5, 2.8, 4.8 Series, Sealed

Terminal Part Information

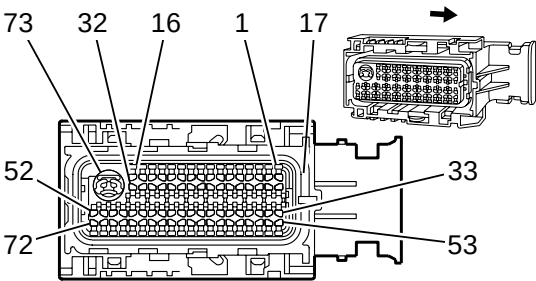
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	19119373	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	13584537	J-35616-14 (GN)	J-38125-560	Not Available	Not Available	Not Available	Not Available
III	13578853	J-35616-35 (VT)	J-38125-561	Not Available	Not Available	Not Available	Not Available

K17 Electronic Brake Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	4	RD/GY	1042	Battery Positive Voltage	I	-
2-3	-	-	-	Not Occupied	-	-
4	0.5	YE/VT	6030	Brake Vacuum Sensor Signal	II	-
5	-	-	-	Not Occupied	-	-
6	0.5	WH/L-BU	5986	Serial Data Communication Enable	II	-
7-8	-	-	-	Not Occupied	-	-
9	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	II	-
10	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	II	-
11	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) (1)	II	-
12	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) (1)	II	-
13	4	BK	550	Ground	I	-
14-15	-	-	-	Not Occupied	-	-
16	0.5	YE/RD	6031	Brake Vacuum Sensor 5 Volt Reference	II	-

17	-	-	-	Not Occupied	-	-
18	0.5	WH	6106	High Speed GMLAN Serial Data (-) (2)	II	-
19	0.5	L-BU/YE	6105	High Speed GMLAN Serial Data (+) (2)	II	-
20	-	-	-	Not Occupied	-	-
21	0.5	L-GN/GY	333	Brake Fluid Level Sensor Signal	II	-
22	0.5	BK/YE	6032	Brake Vacuum Sensor Low Reference	II	-
23-24	-	-	-	Not Occupied	-	-
25	2.5	RD/YE	442	Battery Positive Voltage	III	-
26	0.5	YE	872	Wheel Speed Sensor Signal Right Front	II	-
27	0.5	GY/BN	7065	Wheel Speed Sensor Supply Voltage Right Front	II	-
28	0.5	BN	6305	Brake Vacuum Switch Signal	II	-
29	0.5	GY/BK	7127	Wheel Speed Sensor Supply Voltage Left Rear	II	-
30	0.5	L-BU	884	Wheel Speed Sensor Signal Left Rear	II	-
31-32	-	-	-	Not Occupied	-	-
33	0.5	VT	882	Wheel Speed Sensor Signal Right Rear	II	-
34	0.5	GY/YE	7128	Wheel Speed Sensor Supply Voltage Right Rear	II	-
35	-	-	-	Not Occupied	-	-
36	0.5	GY/WH	7064	Wheel Speed Sensor Supply Voltage Left Front	II	-
37	0.5	GY	830	Wheel Speed Sensor Signal Left Front	II	-
38	-	-	-	Not Occupied	-	-

K20 Engine Control Module X1



Connector Part Information

Harness Type: Engine
OEM Connector: 34566-0303
Service Connector: 13574782
Description: 73-Way F 0.64, 2.8 Series, Sealed (BK with BU Terminal Position Assurance)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575812	J-35616-16 (LT GN)	J-38125-213	Not Available	Not Available	Not Available	Not Available
II	13579770	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	19119374	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
IV	19303617	J-35616-64B (L-BU)	J-38125-11A	Not Available	Not Available	Not Available	Not Available

K20 Engine Control Module X1

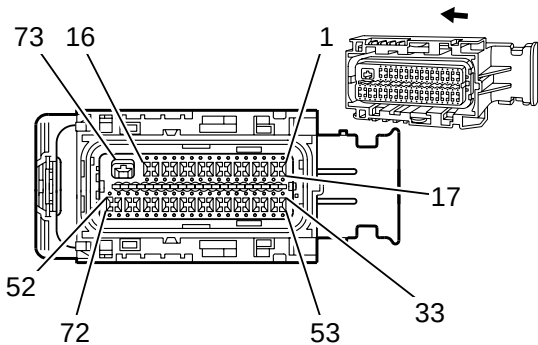
Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-3	-	-	-	Not Occupied	-	-
4	0.5	YE/WH	3200	Throttle Inlet Absolute Pressure Sensor Signal	III	LFX
5	0.5	WH/RD	3201	Throttle Inlet Absolute Pressure Sensor 5V Reference	III	LFX
6	0.5	L-GN	380	A/C Refrigerant Pressure Sensor Signal	III	LFX
7	0.5	WH	7494	High Speed GMLAN Serial Data (-)(3)	I	LCV
8	0.5	L-BU/YE	7493	High Speed GMLAN Serial Data (+)(3)	I	LCV
9	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	LFX
	0.5	L-BU/WH	890	Fuel Tank Pressure Sensor Signal		LCV
10	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	LFX
	0.5	YE/RD	2709	Fuel Tank Pressure Sensor 5 Volt Reference		LCV
11	0.5	BN/RD	1274	Accelerator Pedal Position 5 Volt Reference (2)	I	LCV
12	0.5	WH/RD	1164	Accelerator Pedal Position 5 Volt Reference (1)	I	LCV
13	0.5	VT/YE	5985	Accessory Wakeup Serial Data	I	LFX

13	0.5	VT/YE	5985	Accessory Wakeup Serial Data	I	LCV
	0.5	L-BU/GY	636	Outside Ambient Air Temperature Sensor Signal		LCV
14	0.5	VT/GY	139	Run/Crank Ignition 1 Voltage	I	LCV
	0.5	WH/RD	1164	Accelerator Pedal Position 5 Volt Reference (1)		LCV
15	0.5	RD/WH	140	Battery Positive Voltage	I	LCV
	0.5	YE/WH	1161	Accelerator Pedal Position Signal (1)		LCV
16	0.75	VT/L-BU	5290	Powertrain Main Relay Fused Supply (1)	I	LCV
17-20	-	-	-	Not Occupied	-	-
21	0.5	BN/RD	2700	A/C Pressure Sensor 5 Volt Reference	III	LCV
22	0.5	BK/BN	5514	A/C Refrigerant Pressure Sensor Low Reference	III	LCV
23-24	-	-	-	Not Occupied	-	-
25	0.5	BK/YE	5382	Brake Position Sensor Low Reference	I	LCV with MYB
	0.5	L-BU/VT	1589	Primary Fuel Level Sensor Signal		LCV
26	0.5	BK/GY	6110	Clutch Apply Sensor Low Reference	I	LCV with N8D
	0.5	BK/L-GN	6281	Fuel Level Sensor Low Reference		LCV
27	0.5	BK/VT	1272	Accelerator Pedal Position Low Reference (2)	I	LCV
28	0.5	BK/L-BU	1271	Accelerator Pedal Position Low Reference (1)	I	LCV
29	-	-	-	Not Occupied	-	-
30	0.5	BK/L-BU	1271	Accelerator Pedal Position Low Reference (1)	III	LCV
31	-	-	-	Not Occupied	-	-
32	0.5	WH/GY	459	A/C Compressor Clutch Relay Control	III	LCV
33	0.5	L-GN/WH	1162	Accelerator Pedal Position Signal (2)	I	LCV
	0.5	BN/RD	1274	Accelerator Pedal Position 5 Volt Reference (2)		LCV
34	0.5	L-GN/WH	492	Mass Air Flow Sensor Signal	I	LCV
	0.5	L-GN/WH	1162	Accelerator Pedal Position Signal (2)		LCV
35-36	-	-	-	Not Occupied	-	-
37	0.5	BN/RD	2700	A/C Pressure Sensor 5 Volt Reference	I	LCV
38	-	-	-	Not Occupied	-	-
39	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) (1)	III	LCV
40	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	III	LCV
41	0.5	WH/RD	5381	Brake Position Sensor 5 Volt Reference	I	LCV with MYB
42	0.5	GY/RD	6109	Clutch Apply Sensor Voltage Reference	I	LCV with N8D
43	-	-	-	Not Occupied	-	-
44	0.5	VT/GY	6386	Starter Enable Relay (PPEI 3) Control	I	LCV
	0.5	GY	5660	Fuel Pump Controller Data Out Signal		LCV

	0.5	GY	5660	Fuel Pump Controller Data Out Signal		LFX
45	0.5	YE/WH	1161	Accelerator Pedal Position Signal (1)	I	LCV
46	0.5	YE/BK	3000	Coolant Temperature Sensor #2 Signal	I	LCV
	0.5	BN/WH	419	Check Engine Indicator Control		LFX
47	0.5	L-BU/GY	636	Outside Ambient Air Temperature Sensor Signal	I	LCV
	0.5	WH/RD	5381	Brake Position Sensor 5 Volt Reference		LFX
48	0.5	WH/L-BU	6289	Induction Air Temperature Sensor Signal	I	LCV
	0.5	WH/L-GN	5380	Brake Position Sensor Signal		LFX
49	0.5	WH/GY	1786	Transmission Park/Neutral Signal (1)	I	LCV
50	0.5	WH/L-BU	6311	Cruise/ETC/TCC Brake Signal	I	LCV
51	0.75	VT/L-BU	5291	Powertrain Main Relay Fused Supply (2)	I	LCV
	0.5	VT/GY	139	Run/Crank Ignition 1 Voltage		LFX
52	0.5	WH/BK	2366	Cooling Fan Control Relay Speed Signal	I	LCV
	0.5	RD/WH	140	Battery Positive Voltage		LFX
53	0.5	BK/VT	1272	Accelerator Pedal Position Low Reference (2)	III	LFX
54	0.5	WH/GY	459	A/C Compressor Clutch Relay Control	I	LCV
55-56	-	-	-	Not Occupied	-	-
57	0.5	L-GN	380	A/C Refrigerant Pressure Sensor Signal	I	LCV
	0.5	WH/L-BU	6311	Cruise/ETC/TCC Brake Signal		LFX
58	-	-	-	Not Occupied	-	-
59	0.5	WH/BK	2366	Cooling Fan Control Relay Speed Signal	III	LFX
60	0.5	BN/GY	4008	Humidity Sensor Signal	I	LCV
61	0.5	WH/L-GN	5380	Brake Position Sensor Signal	I	LCV
62	0.5	YE	6111	Clutch Apply Sensor Signal	I	LCV
	0.75	VT/L-BU	5291	Powertrain Main Relay Fused Supply (2)		LFX
63	0.5	VT/GY	6386	Starter Enable Relay (PPEI 3) Control	III	LFX
64	0.5	GY	5660	Fuel Pump Controller Data Out Signal	I	LCV
65	0.5	WH	1310	EVAP Canister Vent Solenoid Control	I	-
66	0.5	WH	1310	EVAP Canister Vent Solenoid Control	III	-
67	0.5	YE	5991	Powertrain Relay Coil Control	I	LCV
	0.75	VT/L-BU	5292	Powertrain Main Relay Fused Supply (3)		LFX
68	0.5	BK/YE	5382	Brake Position Sensor Low Reference	III	LFX
69	0.5	L-BU	6814	Thermostat Engine Cool Control	I	LCV
70	0.5	VT/YE	5985	Accessory Wakeup Serial Data	III	LFX

70	0.5	VT/YE	5985	Accessory Wakeup Serial Data	III	LFX
71	0.5	BN/WH	419	Check Engine Indicator Control	I	LCV
72	-	-	-	Not Occupied	-	-
73	1	VT/L-BU	5290	Powertrain Main Relay Fused Supply (1)	II	-

K20 Engine Control Module X2



Connector Part Information

Harness Type: Engine
OEM Connector: 34566-0103
Service Connector: 88988931
Description: 73-Way F 0.64, 2.8 Series, Sealed (BK with BK Terminal Position Assurance)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575812	J-35616-16 (LT GN)	J-38125-213	Not Available	Not Available	Not Available	Not Available
II	13579770	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	19119374	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

K20 Engine Control Module X2

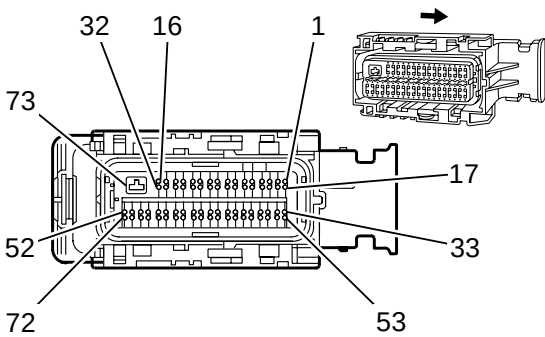
Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	-	-	-	Not Occupied	-	-
2	0.5	L-BU	410	Engine Coolant Temperature Sensor Signal	I	LCV
3	0.5	BK/L-GN	2919	Fuel Rail Pressure Sensor Low Reference	III	LFX
4	0.5	BN/RD	7445	Fuel Line Pressure Sensor 5V Reference	I	LCV
5	0.5	GY/RD	2704	Manifold Absolute Pressure Sensor 5 Volt Reference	I	LCV
	0.5	L-BU/RD	1688	5 Volt Reference		LFX
6	0.5	GY/YE	5297	Camshaft Position Exhaust Sensor Supply Voltage (1)	I	LCV
7	0.5	GY/L-BU	5300	Camshaft Position Intake Sensor Supply Voltage (1)	I	LCV
8	0.5	VT/WH	821	Vehicle Speed Sensor Signal	III	LFX
9	0.5	BN/RD	2917	Fuel Rail Pressure Sensor (5) Volt Reference	I	LCV
10	0.5	VT/GY	3110	Heated Oxygen Sensor High Signal Bank 1 Sensor (1)	III	LFX
11	0.5	VT/WH	3210	Heated Oxygen Sensor High Signal Bank 2 Sensor (1)	III	LFX
12	0.5	BN/RD	2701	Throttle Position Sensor 5 Volt Reference	I	LCV
	0.5	VT/L-BU	3120	Heated Oxygen Sensor High Signal Bank 1 Sensor (2)		LFX

	0.5	VT/L-BU	3120	Heated Oxygen Sensor High Signal Bank 1 Sensor (2)		LFX
13	0.5	L-BU/WH	3630	Throttle Position Sensor (SENT1) Signal	I	LCV
	0.5	VT/L-GN	3220	Heated Oxygen Sensor High Signal Bank 2 Sensor (2)		LFX
14	0.5	WH/RD	2705	Oil Pressure Sensor 5 Volt Reference	I	LCV
15	0.5	VT/L-BU	6270	Crankshaft 60X Sensor Voltage	I	LCV
	0.5	GY/L-BU	7564	Humidity Sensor Signal		LFX
16	0.5	BN/WH	582	Throttle Actuator Control Close	III	LFX
17	-	-	-	Not Occupied	-	-
18	0.5	BN/RD	2917	Fuel Rail Pressure Sensor (5) Volt Reference	III	LFX
19	0.5	L-BU/WH	2918	Fuel Rail Pressure Sensor Signal	III	LFX
20	0.5	L-BU/WH	7446	Fuel Line Pressure Sensor Signal	I	LCV
21	0.5	BK/L-GN	469	Manifold Absolute Pressure Sensor Low Reference	I	LCV
	0.5	BK/L-GN	822	Vehicle Speed Sensor Low Reference		LFX
22	0.5	BK/GY	5296	Camshaft Position Exhaust Sensor Low Reference (1)	I	LCV
23	0.5	BK/L-GN	5301	Camshaft Position Intake Sensor Low Reference (1)	I	LCV
24	-	-	-	Not Occupied	-	-
25	0.5	BK/L-GN	2919	Fuel Rail Pressure Sensor Low Reference	I	LCV
26	0.5	L-BU/WH	2918	Fuel Rail Pressure Sensor Signal	I	LCV
	0.5	WH/BK	3111	Heated Oxygen Sensor Low Signal Bank 1 Sensor (1)		LFX
27	0.5	YE/WH	3211	Heated Oxygen Sensor Low Signal Bank 2 Sensor (1)	III	LFX
28	0.5	BK/BN	2752	Throttle Position Sensor Low Reference	I	LCV
	0.5	WH/YE	3121	Heated Oxygen Sensor Low Signal Bank 1 Sensor (2)		LFX
29	0.5	YE/BN	331	Oil Pressure Sensor Signal	I	LCV
	0.5	YE/L-BU	3221	Heated Oxygen Sensor Low Signal Bank 2 Sensor (2)		LFX
30	0.5	BK/VT	2755	Oil Pressure Sensor Low Reference	I	LCV
31	0.5	BK/VT	6272	Crankshaft 60X Sensor Low Reference	I	LCV
32	0.5	YE	581	Throttle Actuator Control Open	III	LFX
33	0.5	WH/BK	3111	Heated Oxygen Sensor Low Signal Bank 1 Sensor (1)	I	LCV
34	0.5	WH/YE	3121	Heated Oxygen Sensor Low Signal Bank 1 Sensor (2)	I	LCV
	0.5	BN/RD	2701	Throttle Position Sensor 5 Volt Reference		LFX
35	-	-	-	Not Occupied	-	-
36	0.5	BK/VT	6754	Cam Phaser X Return Low Reference	I	LCV
	0.5	VT/GY	496	Knock Sensor Signal (1)		LFX
37	0.5	BK/BN	6753	Cam Phaser W Return Low Reference	I	LCV
	0.5	WH/GY	1876	Knock Sensor Signal (2)		LFX

	0.5	WH/GY	1876	Knock Sensor Signal (2)		LFX
38	0.5	VT/BK	5273	Camshaft Position Exhaust Sensor (1)	I	LCV
39	0.5	YE/VT	5275	Camshaft Position Intake Sensor (1)	I	LCV
40	0.5	L-GN	6271	Crankshaft 60X Sensor Signal	I	LCV
41	0.5	GY/WH	3113	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (1)	III	LFX
42	0.5	GY/WH	3122	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (2)	III	LFX
43	0.5	BK/BN	2761	Coolant Temperature Sensor Low Reference	I	LCV
	0.5	L-GN/WH	432	Manifold Absolute Pressure Sensor Signal		LFX
44	0.5	BK/L-BU	2129	Ignition Control Low Reference Bank 1	I	LCV
	0.5	GY/RD	2704	Manifold Absolute Pressure Sensor 5 Volt Reference		LFX
45	0.5	L-GN/L-BU	2123	Ignition Control (3)	I	LCV
46	0.5	L-BU/VT	2121	Ignition Control (1)	I	LCV
47	-	-	-	Not Occupied	-	-
48	0.75	L-BU	4802	Direct Fuel Injector (DFI) High Voltage Control Cylinder 2	I	LCV
49	0.75	GY/L-BU	4804	Direct Fuel Injector (DFI) High Voltage Control Cylinder 4	I	LCV
	0.5	WH/L-BU	6289	Induction Air Temperature Sensor Signal		LFX
50	0.75	L-GN	4803	Direct Fuel Injector (DFI) High Voltage Control Cylinder 3	I	LCV
51	0.75	BN	4801	Direct Fuel Injector (DFI) High Voltage Control Cylinder 1	I	LCV
	0.5	L-GN/L-BU	428	EVAP Canister Purge Solenoid Control		LFX
52	0.5	YE	581	Throttle Actuator Control Open	I	LCV
	0.5	L-GN/WH	492	Mass Air Flow Sensor Signal		LFX
53	0.5	VT/GY	3110	Heated Oxygen Sensor High Signal Bank 1 Sensor (1)	I	LCV
	0.5	L-BU/WH	225	Generator Turn On Signal		LFX
54	0.5	VT/L-BU	3120	Heated Oxygen Sensor High Signal Bank 1 Sensor (2)	I	LCV
	0.5	BK/BN	2752	Throttle Position Sensor Low Reference		LFX
55	0.5	GY	23	Generator Field Duty Cycle Signal	III	LFX
56	0.5	GY/L-BU	5282	Camshaft Phaser Exhaust Solenoid (1)	I	LCV
	0.5	BK/YE	1716	Knock Sensor Low Reference (1)		LFX
57	0.5	VT/BN	5284	Camshaft Phaser Intake Solenoid (1)	I	LCV
	0.5	BK/GY	2303	Knock Sensor Low Reference (2)		LFX
58	0.5	WH/GY	1786	Transmission Park/Neutral Signal (1)	III	LFX
59	-	-	-	Not Occupied	-	-
60	0.5	GY/WH	3122	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (2)	I	LCV
	0.5	BN/L-GN	1174	Oil Level Switch Signal		LFX
61	0.5	GY/WH	3113	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (1)	I	LCV

61	0.5	GY/WH	3113	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (1)	I	LCV
	0.5	L-GN/YE	3212	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor (1)		LFX
62	0.5	WH/BN	3223	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor (2)	III	LFX
63	0.5	BK/L-GN	469	Manifold Absolute Pressure Sensor Low Reference	III	LFX
64	0.5	L-BU	179	Oil Pump Command Signal	I	LCV
65	0.5	L-BU/WH	2122	Ignition Control (2)	I	LCV
	0.5	BK/L-BU	61	Outside Ambient Temperature Sensor Low Reference		LFX
66	0.5	YE/L-BU	2124	Ignition Control (4)	I	LCV
67	-	-	-	Not Occupied	-	-
68	0.75	L-BU/GY	4902	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 2	I	LCV
69	0.75	L-BU/WH	4904	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 4	I	LCV
	0.5	BK/VT	2760	Intake Air Temperature Sensor Low Reference		LFX
70	0.75	L-GN/GY	4903	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 3	I	LCV
	0.5	L-BU/WH	3630	Throttle Position Sensor (SENT1) Signal		LFX
71	0.75	BN/WH	4901	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 1	I	LCV
72	0.5	BN/WH	582	Throttle Actuator Control Close	I	LCV
73	2.5	BK/WH	1451	Signal Ground	II	-

K20 Engine Control Module X3



Connector Part Information

Harness Type: Engine
OEM Connector: 34566-0203
Service Connector: 88988372
Description: 73-Way F 0.64, 2.8 Series, Sealed (BK with GY Terminal Position Assurance)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575812	J-35616-16 (LT GN)	J-38125-213	Not Available	Not Available	Not Available	Not Available
II	13579770	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	19119374	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

K20 Engine Control Module X3

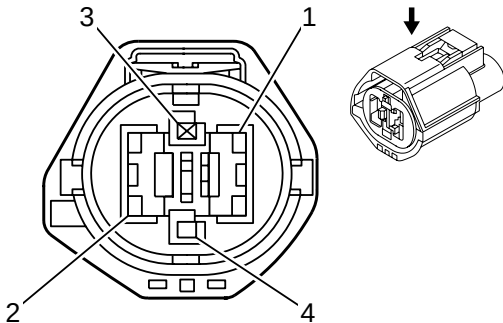
Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/BN	331	Oil Pressure Sensor Signal	III	LFX
2	0.5	WH/RD	2705	Oil Pressure Sensor 5 Volt Reference	III	LFX
3	-	-	-	Not Occupied	-	-
4	0.5	L-GN/L-BU	428	EVAP Canister Purge Solenoid Control	I	LCV
5-7	-	-	-	Not Occupied	-	-
8	0.5	YE/RD	2709	Fuel Tank Pressure Sensor 5 Volt Reference	I	LCV
	0.5	L-BU	410	Engine Coolant Temperature Sensor Signal		LFX
9	-	-	-	Not Occupied	-	-
10	0.5	VT/L-BU	6270	Crankshaft 60X Sensor Voltage	III	LFX
11	0.5	L-BU/RD	1688	5 Volt Reference	I	LCV
12	-	-	-	Not Occupied	-	-
13	0.5	BN/L-BU	2126	Ignition Control (6)	III	LFX
14	0.5	WH/RD	3201	Throttle Inlet Absolute Pressure Sensor 5V Reference	I	LCV
	0.5	L-BU/GY	2125	Ignition Control (5)		LFX

	Wiring Color	Connector	Pin	Component	Reference	Notes
15	0.5	BK/GY	2130	Ignition Control Low Reference Bank 2	III	LFX
16	0.5	VT/L-BU	5293	Powertrain Main Relay Fused Supply (4)	I	LCV
	0.5	YE	7301	High Pressure Fuel Pump Actuator High - Control		LFX
17	0.5	BK/VT	2755	Oil Pressure Sensor Low Reference	III	LFX
18	0.5	L-BU/WH	225	Generator Turn On Signal	I	LCV
19	0.5	GY	23	Generator Field Duty Cycle Signal	I	LCV
20	0.5	BK/L-GN	6281	Fuel Level Sensor Low Reference	I	LCV
21-23	-	-	-	Not Occupied	-	-
24	0.5	BK/BN	2761	Coolant Temperature Sensor Low Reference	III	LFX
25	0.5	BK/VT	6272	Crankshaft 60X Sensor Low Reference	III	LFX
26	0.5	L-GN	6271	Crankshaft 60X Sensor Signal	III	LFX
27	0.5	BK/L-GN	822	Vehicle Speed Sensor Low Reference	I	LCV
	0.5	YE/L-BU	2124	Ignition Control (4)		LFX
28	0.5	L-GN/L-BU	2123	Ignition Control (3)	III	LFX
29	0.5	L-BU/WH	2122	Ignition Control (2)	III	LFX
30	0.5	L-BU/VT	2121	Ignition Control (1)	III	LFX
31	0.5	BK/L-BU	2129	Ignition Control Low Reference Bank 1	III	LFX
32	0.5	VT/BK	7300	High Pressure Fuel Pump Actuator Low - Control	III	LFX
33	0.5	YE/VT	5275	Camshaft Position Intake Sensor (1)	III	LFX
34	0.5	GY/L-BU	5300	Camshaft Position Intake Sensor Supply Voltage (1)	III	LFX
35	0.5	VT/BK	5273	Camshaft Position Exhaust Sensor (1)	III	LFX
36	0.5	YE	5276	Camshaft Position Intake Sensor (2)	III	LFX
37	0.5	WH/L-BU	5302	Camshaft Position Intake Sensor Supply Voltage (2)	III	LFX
38	0.5	VT/L-BU	5274	Camshaft Position Exhaust Sensor (2)	III	LFX
39	0.5	VT/BN	5284	Camshaft Phaser Intake Solenoid (1)	III	LFX
40	0.5	L-GN/WH	432	Manifold Absolute Pressure Sensor Signal	I	LCV
	0.5	GY/L-BU	5282	Camshaft Phaser Exhaust Solenoid (1)		LFX
41	0.5	BN/L-GN	1174	Oil Level Switch Signal	I	LCV
	0.5	L-GN	5272	Camshaft Phaser Intake Solenoid (2)		LFX
42	0.5	L-GN/BN	5283	Camshaft Phaser Exhaust Solenoid (2)	III	LFX
43	0.5	L-BU/VT	1589	Primary Fuel Level Sensor Signal	I	LCV
44-45	-	-	-	Not Occupied	-	-

44-45	-	-	-	Not Occupied	-	-
46	0.5	YE/WH	3200	Throttle Inlet Absolute Pressure Sensor Signal	I	LCV
	0.75	GY/L-BU	4804	Direct Fuel Injector (DFI) High Voltage Control Cylinder 4		LFX
47	0.75	WH/L-GN	4805	Direct Fuel Injector (DFI) High Voltage Control Cylinder 5	III	LFX
48	0.75	L-BU	4802	Direct Fuel Injector (DFI) High Voltage Control Cylinder 2	III	LFX
49	-	-	-	Not Occupied	-	-
50	0.75	L-GN	4803	Direct Fuel Injector (DFI) High Voltage Control Cylinder 3	III	LFX
51	0.75	VT/L-GN	4806	Direct Fuel Injector (DFI) High Voltage Control Cylinder 6	III	LFX
52	0.5	VT/BK	7300	High Pressure Fuel Pump Actuator Low - Control	I	LCV
	0.75	BN	4801	Direct Fuel Injector (DFI) High Voltage Control Cylinder 1		LFX
53	0.5	BK/L-GN	5301	Camshaft Position Intake Sensor Low Reference (1)	III	LFX
54	0.5	GY/YE	5297	Camshaft Position Exhaust Sensor Supply Voltage (1)	III	LFX
55	0.5	GY	3890	Aero Shutter Control 2	I	LCV
	0.5	BK/GY	5296	Camshaft Position Exhaust Sensor Low Reference (1)		LFX
56	0.5	BK/VT	5303	Camshaft Position Intake Sensor Low Reference (2)	III	LFX
57	0.5	L-GN/BN	5298	Camshaft Position Exhaust Sensor Supply Voltage (2)	III	LFX
58	0.5	BK/BN	5299	Camshaft Position Exhaust Sensor Low Reference (2)	III	LFX
59	0.5	BK/GY	2303	Knock Sensor Low Reference (2)	I	LCV
	0.5	BK/BN	6753	Cam Phaser W Return Low Reference		LFX
60	0.5	WH/GY	1876	Knock Sensor Signal (2)	I	LCV
	0.5	BK/VT	6754	Cam Phaser X Return Low Reference		LFX
61	0.5	BK/YE	1716	Knock Sensor Low Reference (1)	I	LCV
	0.5	BK/L-BU	6755	Cam Phaser Y Return Low Reference		LFX
62	0.5	VT/GY	496	Knock Sensor Signal (1)	I	LCV
	0.5	BK/GY	6756	Cam Phaser Z Return Low Reference		LFX
63	0.5	VT/WH	821	Vehicle Speed Sensor Signal	I	LCV
64-65	-	-	-	Not Occupied	-	-
66	0.75	L-BU/WH	4904	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 4	III	LFX
67	0.5	L-GN/WH	5007	Reverse Switch Signal	I	LCV
	0.75	L-GN/WH	4905	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 5		LFX
68	0.5	L-BU/WH	890	Fuel Tank Pressure Sensor Signal	I	LCV
	0.75	L-BU/GY	4902	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 2		LFX
69	-	-	-	Not Occupied	-	-
70	0.75	L-GN/GY	4903	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 3	III	LFX
71	0.75	VT/GY	4906	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 6	III	LFX

71	0.75	VT/GY	4906	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 6	III	LFX
72	0.5	YE	7301	High Pressure Fuel Pump Actuator High - Control	I	LCV
	0.75	BN/WH	4901	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 1		LFX
73	2.5	BK/WH	1451	Signal Ground	II	LCV
	2.5	BK/WH	1451	Signal Ground		LFX

K22 Cooling Fan Control Module X1



Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 7287-1404-10
Service Connector: Service by Harness – See Part Catalog
Description: 4-Way F 1.5, 9.5 Series, Sealed (BK)

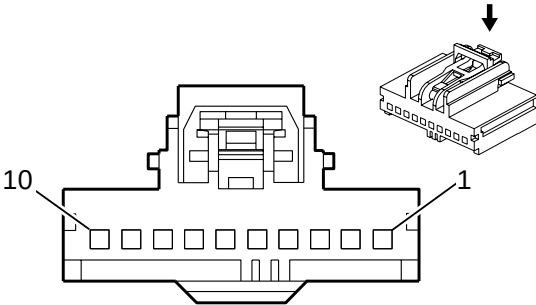
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-22 (RD)	Not Available	Not Available	Not Available	Not Available	Not Available
III	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

K22 Cooling Fan Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	6	BK	1350	Ground	I	LCV
	10	BK	1350	Ground		LFX
2	6	RD/GY	4840	Battery Positive Voltage	I	LCV
	10	RD/GY	4840	Battery Positive Voltage		LFX
3	-	-	-	Not Occupied	-	-
4	0.5	WH/BK	2366	Cooling Fan Control Relay Speed Signal	III	-

K29 Seat Heating Control Module X1 (KA1)



Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 7283-9088-30
Service Connector: 89047355
Description: 10-Way F 0.64 Kaizen Series (BK)

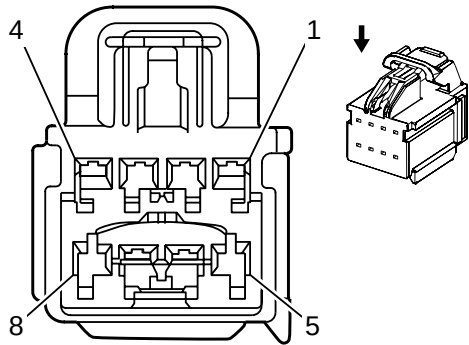
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575299	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	P	P

K29 Seat Heating Control Module X1 (KA1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	-	-	-	Not Occupied	-	-
2	0.35	L-GN/L-BU	6133	Linear Interconnect Network Bus 2	I	-
3-10	-	-	-	Not Occupied	-	-

K29 Seat Heating Control Module X2 (KA1)



Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 7283-3441-40
Service Connector: 19153166
Description: 8-Way F 1.5 Kaizen YESC Series (L-GY)

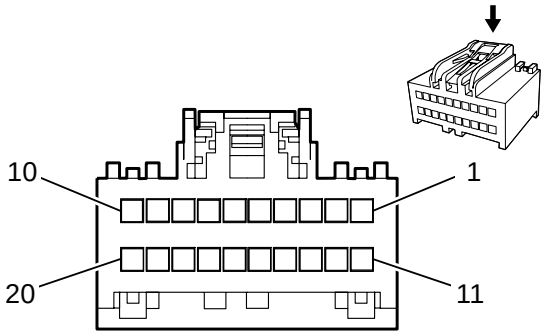
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575299	J-35616-64B (L-BU)	J-38125-215A	Not Stocked in Kit	Not Available	P	P

K29 Seat Heating Control Module X2 (KA1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	-	-	-	Not Occupied	-	-
2	.75	RD/L-GN	6140	Battery Positive Voltage	I	-
3	.75	RD/L-GN	5140	Battery Positive Voltage	I	-
4	0.75	BN/VT	2077	Driver Heated Seat Element Supply Voltage	I	-
5	0.75	BN/L-BU	2479	Passenger Heated Seat Element Supply Voltage	I	-
6	0.75	WH/BN	2481	Passenger Heated Back Element Supply Voltage	I	-
7	.75	BK	3850	Ground	I	-
8	0.75	BN	2432	Driver Heated Back Element Supply Voltage	I	-

K33 HVAC Control Module X1



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 31410-1203
Service Connector: 13576644
Description: 20-Way F 0.64 Series (GN with WH Terminal Position Assurance)

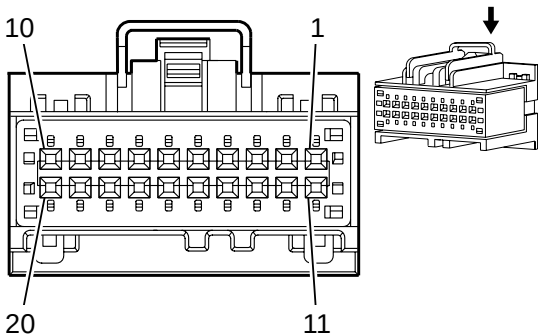
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575845	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

K33 HVAC Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	-	-	-	Not Occupied	-	-
2	0.35	GY/L-GN	7565	Windscreen Temp Sensor Signal	I	-
3	-	-	-	Not Occupied	-	-
4	0.35	L-BU/WH	734	Inside Air Temperature Sensor Signal	I	-
5	0.35	YE/L-BU	3197	Humidity Temperature Sensor Signal	I	-
6	0.35	YE/RD	597	5 Volt Reference	I	-
7	0.35	BK/L-BU	7566	Humidity/Windscreen Temp Sensor Low Reference	I	-
8-11	-	-	-	Not Occupied	-	-
12	0.35	GY/L-BU	7564	Humidity Sensor Signal	I	-
13	-	-	-	Not Occupied	-	-
14	0.35	YE/VT	1783	Twilight Sentinel Delay Signal	I	-
15-17	-	-	-	Not Occupied	-	-
18	0.5	BN	518	Lower Left Air Temperature Sensor Signal	I	-
19-20	-	-	-	Not Occupied	-	-

K33 HVAC Control Module X2



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 31410-1202
Service Connector: 15126709
Description: 20-Way F 64 Series, Sealed (BN)

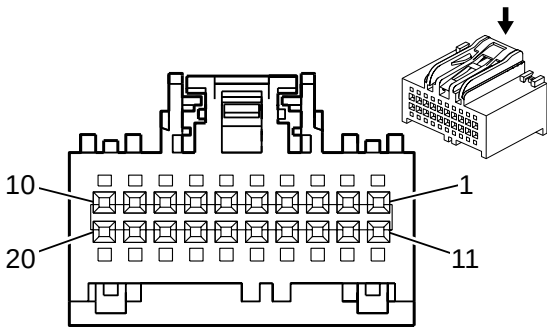
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

K33 HVAC Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/VT	3340	Battery Positive Voltage	I	-
2	0.35	L-GN	5060	Low Speed GMLAN Serial Data	I	-
3	-	-	-	Not Occupied	-	-
4	0.35	L-GN/YE	7531	Linear Interconnect Network Bus 9	I	-
5-7	-	-	-	Not Occupied	-	-
8	0.5	BK	2050	Ground	I	-
9	0.35	VT/GY	539	Run/Crank Ignition 1 Voltage	I	-
10	0.5	L-BU/YE	7574	Electric Variable Displacement Control	I	-
11	0.5	L-BU/BN	7573	Electric Variable Displacement Supply	I	-
12-14	-	-	-	Not Occupied	-	-
15	0.35	L-BU/GY	754	Blower Motor Speed Control	I	-
16-17	-	-	-	Not Occupied	-	-
18	0.35	BK/YE	1791	Air Temperature Door Control Low Reference	I	-
19	0.35	BN/VT	193	Rear Defog Relay Control	I	-
20	-	-	-	Not Occupied	-	-

K33 HVAC Control Module X3



Connector Part Information

Harness Type: HVAC
OEM Connector: 15126711
Service Connector: 15126711
Description: 20-Way F 0.64 Series (BK with WH Terminal Position Assurance)

Terminal Part Information

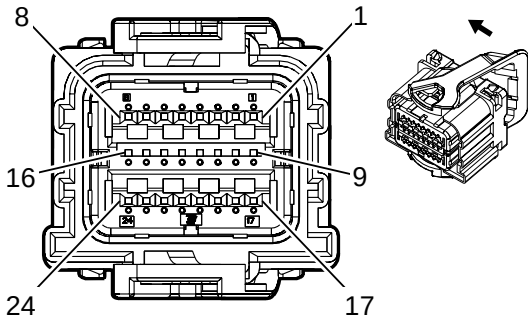
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327119	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

K33 HVAC Control Module X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BN	516	Upper Left Air Temperature Sensor Signal	I	-
2	0.35	YE	3165	Mode Door Stepper Motor Control (1)	I	-
3	0.35	WH/RD	3166	Mode Door Stepper Motor Control (2)	I	-
4	0.35	GY/BN	3167	Mode Door Stepper Motor Control (3)	I	-
5	0.35	L-GN/WH	3168	Mode Door Stepper Motor Control (4)	I	-
6-8	-	-	-	Not Occupied	-	-
9	0.35	BK/YE	407	Low Reference	I	-
10	-	-	-	Not Occupied	-	-
11	0.35	L-GN	3169	Temp Door Stepper Motor Control (1)	I	-
12	0.35	WH/PK	3170	Temp Door Stepper Motor Control (2)	I	-
13	0.35	GY/RD	3171	Temp Door Stepper Motor Control (3)	I	-
14	0.35	RD/BK	3172	Temp Door Stepper Motor Control (4)	I	-
15	0.8	BK	7572	HVAC Motor Supply Voltage	I	-
16	0.35	GY	3173	Air Inlet Door Stepper Motor Control (1)	I	-
17	0.35	L-BU/WH	3174	Air Inlet Door Stepper Motor Control (2)	I	-

18	0.35	BN/L-GN	3175	Air Inlet Door Stepper Motor Control (3)	I	-
19	0.35	RD/L-GN	3176	Air Inlet Door Stepper Motor Control (4)	I	-
20	0.35	GY	6137	EVAP Core Temperature Sensor Signal	I	-

K36 Inflatable Restraint Sensing and Diagnostic Module X1



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 2098923-7
Service Connector: 13579298
Description: 24-Way F 0.64 Series, Sealed (YE)

Terminal Part Information

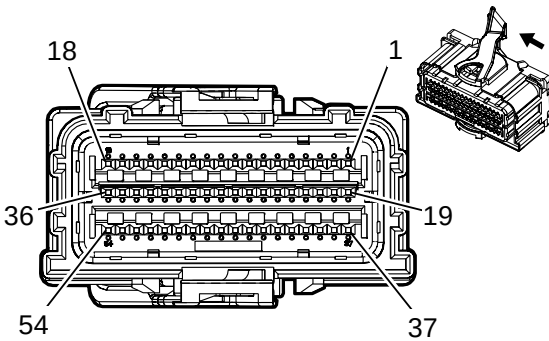
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	19303554	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

K36 Inflatable Restraint Sensing and Diagnostic Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	OG/L-GN	3023	Steering Wheel Module Stage 2 High Control	I	-
2	0.35	WH/OG	3022	Steering Wheel Module Stage 2 Low Control	I	-
3	0.35	BN/OG	3020	Steering Wheel Module Stage 1 Low Control	I	-
4	0.35	OG/VT	3021	Steering Wheel Module Stage 1 High Control	I	-
5	0.35	YE/OG	3025	Passenger IP Module Stage 1 High Control	I	-
6	0.35	OG/WH	3024	Passenger IP Module Stage 1 Low Control	I	-
7	0.35	OG/VT	3026	Passenger IP Module Stage 2 Low Control	I	-
8	0.35	GY/OG	3027	Passenger IP Module Stage 2 High Control	I	-
9	0.5	RD/L-GN	4440	Battery Positive Voltage	I	-
10	0.35	VT/WH	5234	Passenger Seat Belt Indicator	I	-
11	0.35	L-BU	2307	Passenger Air Bag On Indicator Control	I	-
12	0.35	L-GN	2308	Passenger Air Bag Off Indicator Control	I	-
13-14	-	-	-	Not Occupied	-	-
15	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
16	-	-	-	Not Occupied	-	-

17	0.5	WH/L-BU	5986	Serial Data Communication Enable	I	-
18	0.5	L-BU/YE	6105	High Speed GMLAN Serial Data (+) (2)	I	-
19	0.5	BK/WH	2251	Signal Ground	I	-
20	0.5	WH	6106	High Speed GMLAN Serial Data (-) (2)	I	-
21-24	-	-	-	Not Occupied	-	-

K36 Inflatable Restraint Sensing and Diagnostic Module X2



Connector Part Information

Harness Type: Body
OEM Connector: 2098922-9
Service Connector: 19301526
Description: 54-Way F 0.64 Series, Sealed (YE)

Terminal Part Information

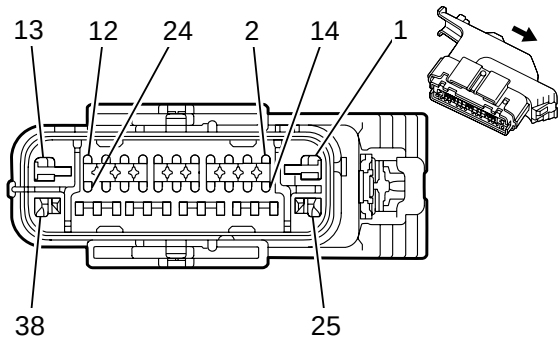
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	19329748	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

K36 Inflatable Restraint Sensing and Diagnostic Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-8	-	-	-	Not Occupied	-	-
9	0.35	OG/YE	3481	Driver Seat Belt Anchor Pretensioner High Control	I	-
10	0.35	YE/OG	3482	Driver Seat Belt Anchor Pretensioner Low Control	I	-
11	0.35	GY/OG	3480	Passenger Seat Belt Anchor Pretensioner Low Control	I	-
12	0.35	OG/BN	3479	Passenger Seat Belt Anchor Pretensioner High Control	I	-
13	0.35	OG/L-BU	3068	Driver Side Impact Module High Control	I	-
14	0.35	L-GN/OG	3069	Driver Side Impact Module Low Control	I	-
15	0.35	BN/OG	3067	Passenger Side Impact Module Low Control	I	-
16	0.35	OG/GY	3066	Passenger Side Impact Module High Control	I	-
17	0.5	OG/L-GN	5019	Left Front Head Curtain Module High Control	I	-
18	0.5	VT/OG	5020	Left Front Head Curtain Module Low Control	I	-
19	0.35	OG/L-GN	2132	Left Front Side Impact Sensing Module Signal	I	-
20	0.35	BK/OG	6628	Left Front Side Impact Sensing Module Low Reference	I	-
21	0.35	BK/OG	6629	Right Front Side Impact Sensing Module Low Reference	I	-
22	0.35	BN/OG	2134	Right Front Side Impact Sensing Module Signal	I	-

23	0.5	OG/YE	354	Left Front Discriminating Sensor Signal	I	-
24	0.5	BK/OG	5045	Left Front Discriminating Sensor Low Reference	I	-
25	0.5	BK/OG	5600	Right Front Discriminating Sensor Low Reference	I	-
26	0.5	OG/L-GN	1409	Right Front Discriminating Sensor Signal	I	-
27	0.35	OG/L-BU	6620	Left Middle Side Impact Sensing Module Signal	I	-
28	0.35	BK/OG	6621	Left Middle Side Impact Sensing Module Low Reference	I	-
29	0.35	BK/OG	6625	Right Middle Side Impact Sensing Module Low Reference	I	-
30	0.35	OG/VT	6624	Right Middle Side Impact Sensing Module Signal	I	-
31-36	-	-	-	Not Occupied	-	-
37	0.35	OG/WH	3477	Driver Seat Belt Retractor Pretensioner High Control	I	-
38	0.35	GY/OG	3478	Driver Seat Belt Retractor Pretensioner Low Control	I	-
39	0.35	WH/OG	3476	Passenger Seat Belt Retractor Pretensioner Low Control	I	-
40	0.35	OG/L-GN	3475	Passenger Seat Belt Retractor Pretensioner High Control	I	-
41	0.35	OG/BN	238	Driver Seat Belt Switch Signal	I	-
42	-	-	-	Not Occupied	-	-
43	0.35	BK/OG	1363	Driver Seat Belt Switch Low Reference	I	-
44	0.35	BK/OG	1361	Passenger Seat Belt Switch Low Reference	I	-
45	0.35	OG/VT	1362	Passenger Seat Belt Switch Signal	I	-
46-52	-	-	-	Not Occupied	-	-
53	0.5	OG/GY	5021	Right Front Head Curtain Module High Control	I	-
54	0.5	WH/OG	5022	Right Front Head Curtain Module Low Control	I	-

K38 Chassis Control Module



Connector Part Information

Harness Type: Chassis
OEM Connector: 89047375
Service Connector: 19178089
Description: 38-Way F 0.64, 280 GT Series, Sealed (BK)

Terminal Part Information

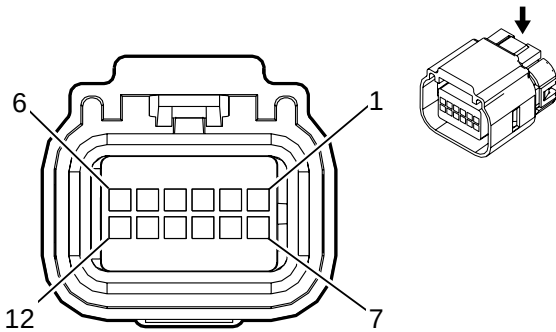
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13578903	J-35616-4A (PU)	J-38125-553	Not Available	Not Available	Not Available	Not Available
II	13578924	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
III	13579766	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

K38 Chassis Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	RD/VT	1940	Battery Positive Voltage	I	LFX
	2.5	RD/VT	1940	Battery Positive Voltage		
2	-	-	-	Not Occupied	-	-
3	0.5	BN	3891	Aero Shutter Control	II	LFX
	0.5	BN	3891	Aero Shutter Control		
4	-	-	-	Not Occupied	-	-
5	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) (1)	II	LFX
	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) (1)		
6	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) (1)	II	LFX
	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) (1)		
7	-	-	-	Not Occupied	-	-
8	0.5	VT/YE	5985	Accessory Wakeup Serial Data	II	LFX
	0.5	VT/YE	5985	Accessory Wakeup Serial Data		
9	-	-	-	Not Occupied	-	-
10	0.5	L-BU/WH	7446	Fuel Line Pressure Sensor Signal	II	LFX

10	0.5	L-BU/WH	7446	Fuel Line Pressure Sensor Signal		
11	-	-	-	Not Occupied	-	-
12	0.5	BN	3891	Aero Shutter Control	II	LFX
	0.5	BN	3891	Aero Shutter Control		
13	2.5	GY	120	Fuel Pump Supply Voltage	I	LFX
	2.5	GY	120	Fuel Pump Supply Voltage		
14-16	-	-	-	Not Occupied	-	-
17	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	II	LFX
	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)		
18	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	II	LFX
	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)		
19	-	-	-	Not Occupied	-	-
20	0.5	GY	5660	Fuel Pump Controller Data Out Signal	II	LFX
	0.5	GY	5660	Fuel Pump Controller Data Out Signal		
21	0.75	VT/GY	139	Run/Crank Ignition 1 Voltage	III	LFX
	0.75	VT/GY	139	Run/Crank Ignition 1 Voltage		
22	0.5	BN/RD	7445	Fuel Line Pressure Sensor 5V Reference	II	LFX
	0.5	BN/RD	7445	Fuel Line Pressure Sensor 5V Reference		
23	0.5	BK/YE	7447	Fuel Line Pressure Sensor Low Reference	II	LFX
	0.5	BK/YE	7447	Fuel Line Pressure Sensor Low Reference		
24	0.5	BK	7444	Fuel System Control Module Shield	II	LFX
	0.5	BK	7444	Fuel System Control Module Shield		
25	2.5	BK	650	Ground	I	LFX
	2.5	BK	650	Ground		
26-37	-	-	-	Not Occupied	-	-
38	2.5	BK/L-GN	1580	Fuel Pump Low Reference	I	LFX
	2.5	BK/L-GN	1580	Fuel Pump Low Reference		

K43 Power Steering Control Module X1



Connector Part Information

Harness Type: Electric Power Steering
OEM Connector: 13678638
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way F 1.2 OCS Series, Sealed (BK)

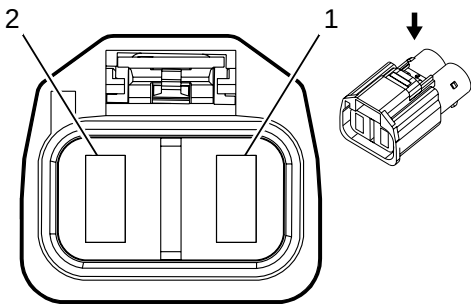
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

K43 Power Steering Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/BN	5940	Battery Positive Voltage	I	-
2	0.5	WH/L-BU	5986	Serial Data Communication Enable	I	-
3	0.5	L-BU/YE	6105	High Speed GMLAN Serial Data (+) (2)	I	-
4	0.5	WH	6106	High Speed GMLAN Serial Data (-) (2)	I	-
5	0.5	L-BU/YE	6105	High Speed GMLAN Serial Data (+) (2)	I	-
6	0.5	WH	6106	High Speed GMLAN Serial Data (-) (2)	I	-
7	0.5	BK	7	Vehicle Wake-Up Voltage	I	-
8	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
9	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
10	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
11	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
12	0.5	BK	12	Headlamp Low Beam Supply Voltage	I	-

K43 Power Steering Control Module X2



Connector Part Information

Harness Type: Electric Power Steering
OEM Connector: 13581053
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 9.5 Series, Sealed (BK)

Terminal Part Information

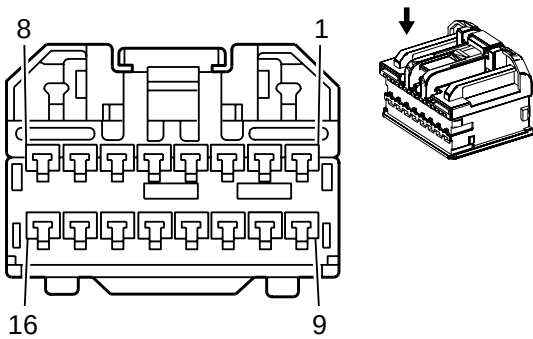
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

K43 Power Steering Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	10	BK	1050	Ground	I	-
2	10	RD/VT	842	Battery Positive Voltage	I	-

cardiagn.com

K69 Transfer Case Control Module X1 (NQ6/NQ7)



Connector Part Information

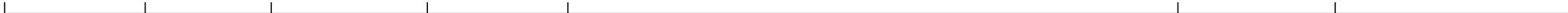
Harness Type: Body
OEM Connector: 6098-5237
Service Connector: 88988778
Description: 16-Way F 1.5 Series (GY)

Terminal Part Information

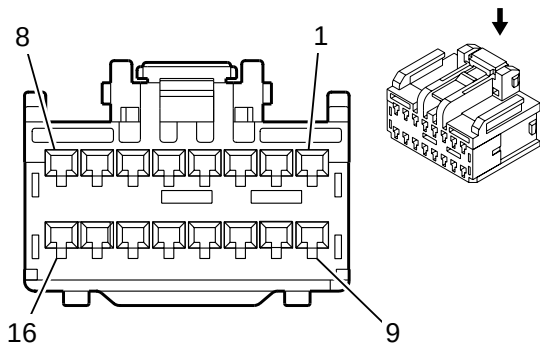
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575855	J-35616-2A (GY)	J-38125-553	Not Available	Not Available	Not Available	Not Available
II	13575580	J-35616-2A (GY)	J-38125-553	Not Available	Not Available	Not Available	Not Available

K69 Transfer Case Control Module X1 (NQ6/NQ7)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/BK	7478	Rotary Position Sensor Return	I	-
2	0.5	WH/L-GN	7479	Rotary Position Sensor Signal	I	-
3	0.5	YE	7474	Incremental Encoder Direction Signal	I	-
4	0.5	GY/BK	1570	Front Axle Actuator Control	I	-
5	0.5	L-BU/GY	7473	Incremental Encoder Impulse Signal	I	-
6	0.35	GY/RD	6029	Four Wheel Drive Mode Switch 5 Volt Reference	I	-
7	0.35	L-BU/YE	1693	Four Wheel Drive Switch Signal	I	-
8	-	-	-	Not Occupied	-	-
9	0.5	WH/RD	7477	Rotary Position Sensor Supply 5V	I	-
10	0.5	WH/L-GN	7475	Incremental Encoder Sensor (8V) Supply	I	-
11	0.5	VT	7476	Incremental Encoder Sensor Return	I	-
12	0.5	YE/WH	1695	Four Wheel Drive Wheel Lock Indicator	I	-
13	1	YE/BN	1569	Transfer Case Lock Solenoid Control	II	-
14-16	-	-	-	Not Occupied	-	-



K69 Transfer Case Control Module X2 (NQ6/NQ7)



Connector Part Information

Harness Type: Body
OEM Connector: 6098-4611
Service Connector: 15134091
Description: 16-Way F 1.5 Series (BK)

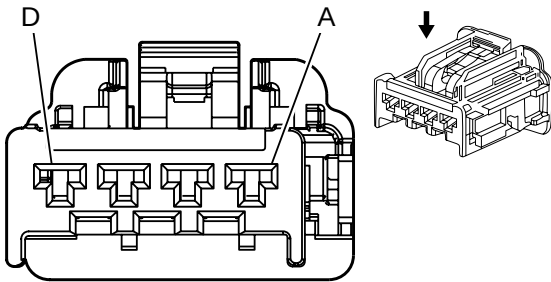
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575855	J-35616-2A (GY)	J-38125-553	Not Available	Not Available	Not Available	Not Available

K69 Transfer Case Control Module X2 (NQ6/NQ7)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-2	-	-	-	Not Occupied	-	-
3	0.35	VT/WH	1565	4 LO Indicator Control	I	-
4	0.35	VT/L-GN	1739	Run/Crank Ignition 1 Voltage	I	-
5	-	-	-	Not Occupied	-	-
6	0.35	VT/YE	5985	Accessory Wakeup Serial Data	I	-
7	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
8	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
9-10	-	-	-	Not Occupied	-	-
11	0.35	GY/L-GN	1561	AWD Indicator Control	I	-
12	0.35	BN	1560	Neutral Indicator Control	I	-
13	0.35	L-GN/BK	1563	2 HI Indicator Control	I	-
14	0.35	BN/BK	1566	4 HI Indicator Control	I	-
15	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
16	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-

K69 Transfer Case Control Module X3 (NQ6/NQ7)



Connector Part Information

Harness Type: Body
OEM Connector: 15466671
Service Connector: 19149301
Description: 4-Way F 280 GT Series (L-GY)

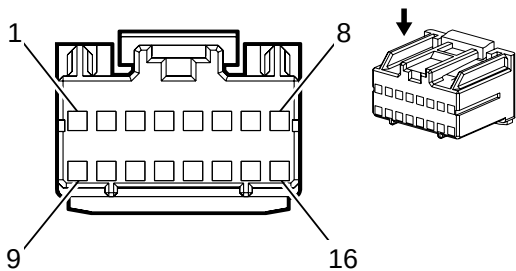
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-4A (PU)	Not Available	Not Available	Not Available	Not Available	Not Available

K69 Transfer Case Control Module X3 (NQ6/NQ7)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	2.5	YE/VT	1553	Transfer Case Motor Counter Clockwise Control	I	-
B	2.5	YE/GY	1552	Transfer Case Motor Clockwise Control	I	-
C	2.5	RD/GY	1342	Battery Positive Voltage	I	-
D	2.5	BK	3250	Ground	I	-

K73 Telematics Communication Interface Control Module X1 (UE1)



Connector Part Information

Harness Type: Body
OEM Connector: 1456601-1
Service Connector: 19153138
Description: 16-Way F Multilock 040 II Series (WH)

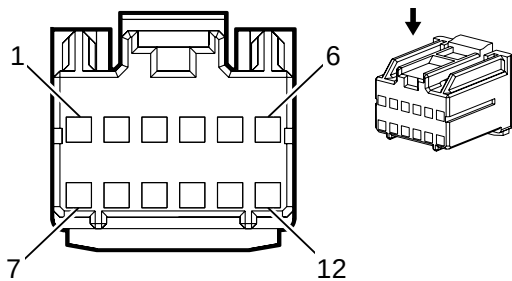
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575740	J-35616-16 (L-GN)	J-38125-559	Not Available	Not Available	Not Available	Not Available
II	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K73 Telematics Communication Interface Control Module X1 (UE1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
2	0.35	BN/WH	2517	Keypad Red LED	II	-
3	0.35	YE/VT	2516	Keypad Green LED	II	-
4-5	-	-	-	Not Occupied	-	-
6	0.35	L-GN/BK	2515	Keypad Supply Voltage	II	-
7	0.5	BK/WH	2051	Signal Ground	I	-
8-9	-	-	-	Not Occupied	-	-
10	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
11	0.35	L-GN/WH	2514	Keypad Signal	II	-
12	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
13	0.5	BK/VT	5167	Battery Backup Low Reference	I	-
14	0.5	YE/VT	5235	Battery Backup Supply Voltage	I	-
15	0.35	RD/L-BU	3240	Battery Positive Voltage	II	-
16	-	-	-	Not Occupied	-	-

K73 Telematics Communication Interface Control Module X2 (UE1)



Connector Part Information

Harness Type: Body
OEM Connector: 1456599-1
Service Connector: 88952886
Description: 12-Way F Multilock 040 II Series (WH)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	13575740	J-35616-16 (L-GN)	J-38125-559	Not Available	Not Available	Not Available	Not Available

K73 Telematics Communication Interface Control Module X2 (UE1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE	658	Cellular Telephone Voice Signal	I	-
2	0.35	BK/YE	659	Cellular Telephone Voice Low Reference	I	-
3	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) (1)	II	-
4	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	II	-
5	0.5		1792	Drain Wire	II	-
6	0.35	GY/YE	5149	Voice Recognition Audio Signal	I	-
7	0.35	WH/L-BU	5986	Serial Data Communication Enable	I	-
8	0.35		514	Drain Wire	I	-
9	0.35	L-BU	655	Cellular Telephone Microphone Signal	I	-
10	0.35	BK/BN	654	Cellular Telephone Microphone Low Reference	I	-
11	-	-	-	Not Occupied	-	-
12	0.35	BK/GY	5152	Voice Recognition Audio Low Reference	I	-

K73 Telematics Communication Interface Control Module X5 (UE1)

Connector Part Information

Harness Type: Body COAX
OEM Connector: COAX
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (VT)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K73 Telematics Communication Interface Control Module X5 (UE1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
-	-	COAX	-	(GPS/Cell) Coaxial Antenna Cell/GPS combined Signal	I	-

K73 Telematics Communication Interface Control Module X7 (UE1)

Connector Part Information

Harness Type: Body COAX
OEM Connector: COAX
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (BN)

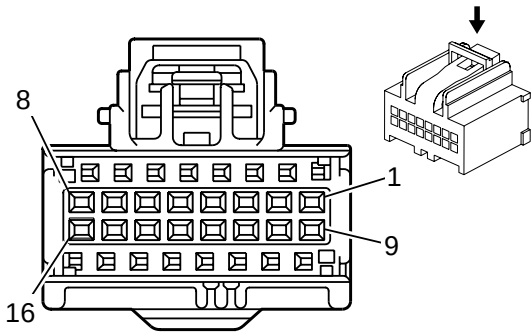
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K73 Telematics Communication Interface Control Module X7 (UE1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
-	-	COAX	-	(GPS/Cell) Coaxial Antenna Cell/GPS combined Signal	I	-

K74 Human Machine Interface Control Module X1



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 7283-9076-30
Service Connector: 15136073
Description: 16-Way F Kaizen 64 Series (BK)

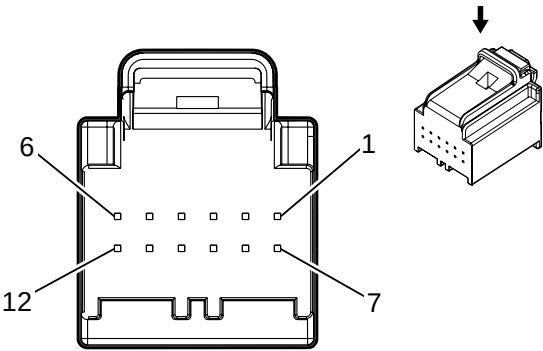
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575845	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
II	19303553	J-35616-64B (L-BU)	J-38125-11A	Not Available	Not Available	Not Available	Not Available

K74 Human Machine Interface Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY/YE	5149	Voice Recognition Audio Signal	I	-
2	0.35	BK/GY	5152	Voice Recognition Audio Low Reference	I	-
3-4	-	-	-	Not Occupied	-	-
5	0.35	WH/L-BU	5986	Serial Data Communication Enable	I	-
6	-	-	-	Not Occupied	-	-
7	0.75	RD/VT	340	Battery Positive Voltage	II	-
8	0.75	BK/WH	2051	Signal Ground	II	-
9	0.5	VT/YE	7527	Linear Interconnect Network Bus 5	I	-
10	-	-	-	Not Occupied	-	-
11	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
12	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
13	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
14	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
15-16	-	-	-	Not Occupied	-	-

K74 Human Machine Interface Control Module X2



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 31410-1121
Service Connector: 19151154
Description: 12-Way F 64 Series, Sealed (GY)

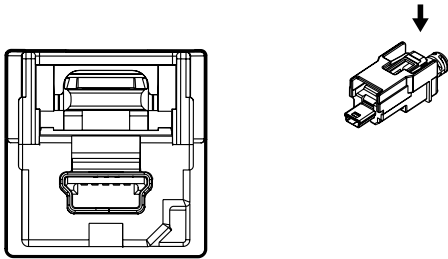
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575845	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

K74 Human Machine Interface Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/VT	3999	MOST Control	I	-
2	0.5	WH/L-GN	3997	MOST Serial Data (-)	I	-
3	0.5	GY/VT	3998	MOST Serial Data (+)	I	-
4	-	-	-	Not Occupied	-	-
5	0.35	GY/YE	6972	Camera Signal #2 +	I	-
6	0.35	WH/L-BU	6973	Camera Signal #2	I	-
7	-	-	-	Not Occupied	-	-
8	0.5	GY/VT	3998	MOST Serial Data (+)	I	-
9	0.5	WH/L-GN	3997	MOST Serial Data (-)	I	-
10-12	-	-	-	Not Occupied	-	-

K74 Human Machine Interface Control Module X4



Connector Part Information

Harness Type: Instrument Panel LVDS
OEM Connector: RSD-111014-152
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini B USB Type (BK)

Terminal Part Information

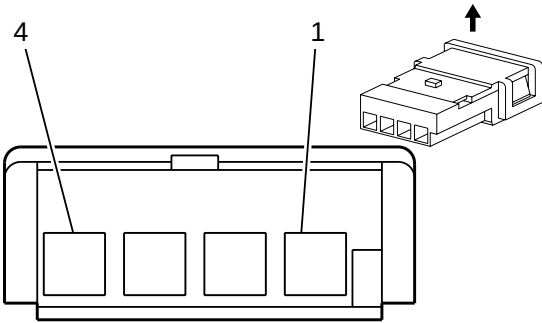
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K74 Human Machine Interface Control Module X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
-	-	LVDS	-	(Navigation) Navigation Display Signal	I	-

cardiagn.com

K77 Remote Control Door Lock Receiver



Connector Part Information

Harness Type: Headliner
OEM Connector: 968943-1
Service Connector: 13576534
Description: 4-Way F 0.64 Micro Quadlock Series (BK)
Harness Type: Headliner Extension
OEM Connector: 968943-1
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64 Micro Quadlock Series (BK)

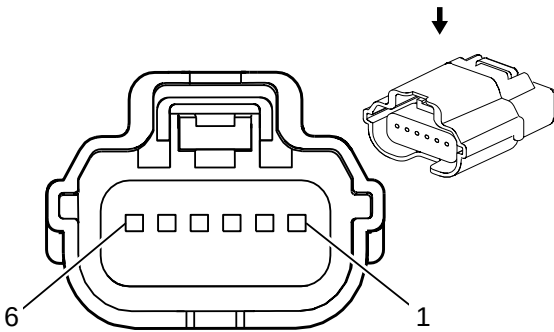
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

K77 Remote Control Door Lock Receiver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY	3273	Remote Function Actuator Return	I	-
2	0.35	YE/L-GN	3274	Remote Function Actuator Transmit Signal	I	-
3	0.35	L-BU/WH	3275	Remote Function Actuator Receive Signal	I	-
4	0.35	GY/WH	3272	Remote Function Actuator Supply Voltage	I	-

K85 Passenger Presence Module



Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 31404-6132
Service Connector: Service by Harness – See Part Catalog
Description: 6-Way F 0.64 Series, Sealed (BK)

Terminal Part Information

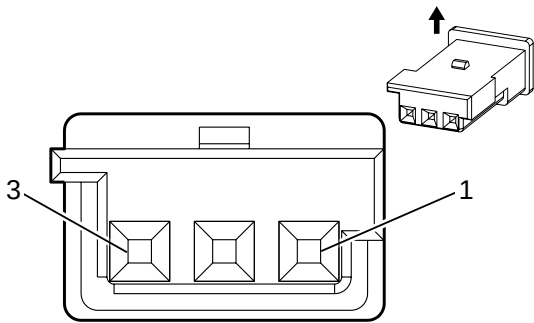
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575299	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	P	P

K85 Passenger Presence Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	RD/L-GN	4440	Battery Positive Voltage	I	-
2	0.35	L-GN	5060	Low Speed GMLAN Serial Data	I	-
3	-	-	-	Not Occupied	-	-
4	0.35	BK/WH	2251	Signal Ground	I	-
5	0.35	L-BU/RD	5612	Passenger Seat Belt Tension Sensor Voltage Reference	I	-
6	0.35	VT/OG	5611	Passenger Seat Belt Tension Sensor Signal	I	-

cardiagn.com

K89 Immobilizer Control Module



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 4-1718346-1
Service Connector: 13576530
Description: 3-Way F 0.64 Micro Quadlock Series (PU)

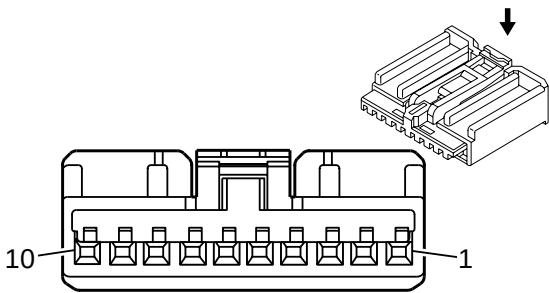
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

K89 Immobilizer Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	L-GN/GY	3277	Vehicle Anti-Theft System Immobilizer Return	I	-
2	0.35	L-GN/VT	7533	Linear Interconnect Network Bus 11	I	-
3	0.35	GY/BK	3276	Vehicle Anti-Theft System Immobilizer Supply Voltage	I	-

K109 Frontview Camera Module (UFL/UEU)



Connector Part Information

Harness Type: Headliner
OEM Connector: AIT2PB-10-1AK
Service Connector: 13576634
Description: 10-Way F 0.64 Kaizen Series (BK)

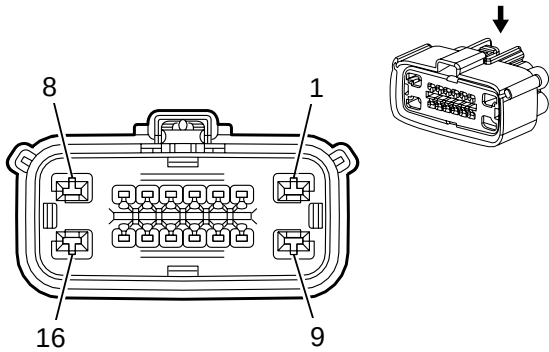
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

K109 Frontview Camera Module (UFL/UEU)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	3450	Ground	I	-
2	-	-	-	Not Occupied	-	-
3	0.35	RD/L-GN	3140	Battery Positive Voltage	I	-
4	0.35	WH	3152	Lane Departure Warning Indicator Control	I	-
5-6	-	-	-	Not Occupied	-	-
7	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
8-9	-	-	-	Not Occupied	-	-
10	0.35	GY/WH	3153	Lane Departure Warning Disable Switch Signal	I	-

K111 Fuel Pump Driver Control Module (LCV)



Connector Part Information

Harness Type: Chassis
OEM Connector: 33476-4003
Service Connector: 13587961
Description: 16-Way F 1.5, 2.8 Series, Sealed (BK)

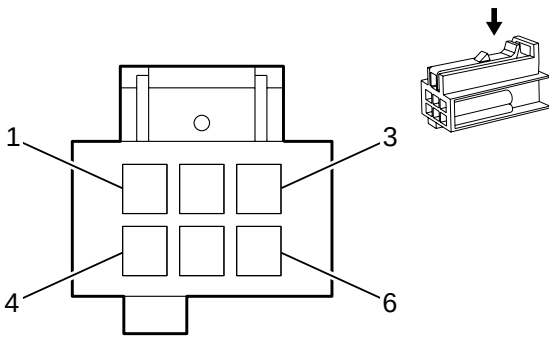
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	19329755	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	19300635	J-35616-2A (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available

K111 Fuel Pump Driver Control Module (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	RD/VT	1940	Battery Positive Voltage	I	LCV
2	0.5	GY	5660	Fuel Pump Controller Data Out Signal	II	LCV
3	-	-	-	Not Occupied	-	-
4	0.5	L-BU/BK	7493	High Speed GMLAN Serial Data (+)(3)	II	LCV
5	0.5	WH	7494	High Speed GMLAN Serial Data -(3)	II	LCV
6	0.75	VT/GY	139	Run/Crank Ignition 1 Voltage	II	LCV
7	0.5	VT/YE	5985	Accessory Wakeup Serial Data	II	LCV
8	2.5	GY	120	Fuel Pump Supply Voltage	I	LCV
9	2.5	BK	650	Ground	I	LCV
10-14	-	-	-	Not Occupied	-	-
15	0.5	BK	7444	Fuel System Control Module Shield	II	LCV
16	2.5	BK/L-GN	1580	Fuel Pump Low Reference	I	LCV

M4 Air Inlet Door Actuator



Connector Part Information

Harness Type: HVAC
OEM Connector: 965413-1
Service Connector: Service by Harness – See Part Catalog
Description: 6-Way F 0.64 Micro-Quadlock Series (BK)

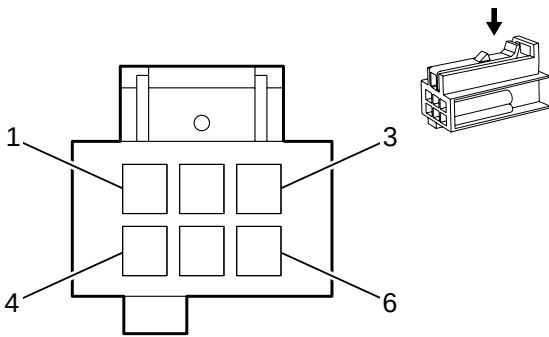
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M4 Air Inlet Door Actuator

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY	3173	Air Inlet Door Stepper Motor Control (1)	I	-
2	0.35	BK	7572	HVAC Motor Supply Voltage	I	-
3	0.35	L-BU/WH	3174	Air Inlet Door Stepper Motor Control (2)	I	-
4	0.35	BN/L-GN	3175	Air Inlet Door Stepper Motor Control (3)	I	-
5	-	-	-	Not Occupied	-	-
6	0.35	RD/L-GN	3176	Air Inlet Door Stepper Motor Control (4)	I	-

M6 Air Temperature Door Actuator



Connector Part Information

Harness Type: HVAC
OEM Connector: 965413-1
Service Connector: Service by Harness – See Part Catalog
Description: 6-Way F 0.64 Micro-Quadlock Series (BK)

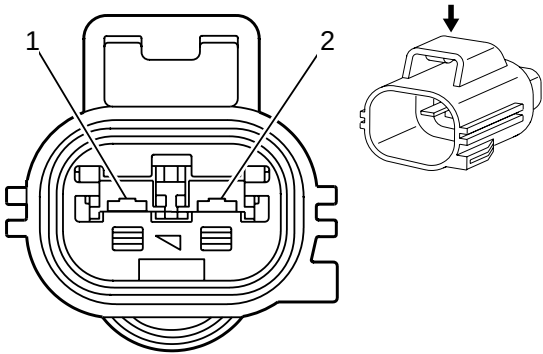
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M6 Air Temperature Door Actuator

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	L-GN	3169	Temp Door Stepper Motor Control (1)	I	-
2	0.35	BK	7572	HVAC Motor Supply Voltage	I	-
3	0.35	WH/PK	3170	Temp Door Stepper Motor Control (2)	I	-
4	0.35	GY/RD	3171	Temp Door Stepper Motor Control (3)	I	-
5	-	-	-	Not Occupied	-	-
6	0.35	RD/BK	3172	Temp Door Stepper Motor Control (4)	I	-

M9 Brake Booster Pump Motor (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 10779536
Service Connector: 19115602
Description: 2-Way M 2.8 Series, Sealed (D-GY)

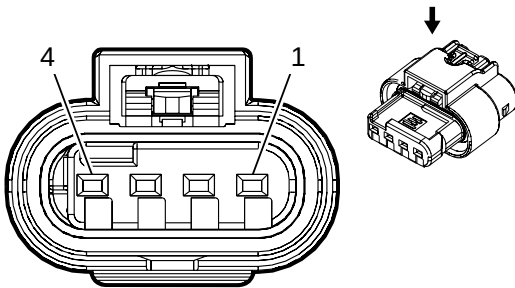
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

M9 Brake Booster Pump Motor (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	BN/VT	1470	Brake Booster Pump Motor Supply Voltage	I	-
2	2.5	BK	1450	Ground	I	-

M26 Front Axle Engagement Actuator (NQ6/NQ7)



Connector Part Information

Harness Type: Electric Power Steering
OEM Connector: 13576418
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 1.2 Multiple Contact Point Series, Sealed (BK)

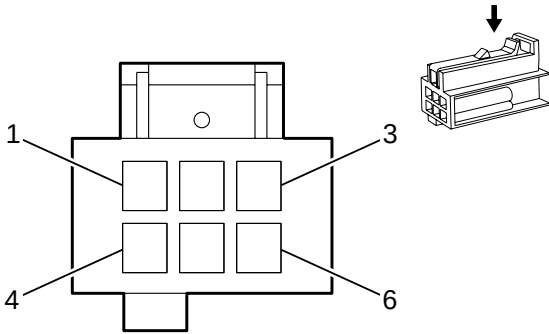
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

M26 Front Axle Engagement Actuator (NQ6/NQ7)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	VT/BK	2139	Run/Crank Ignition 1 Voltage	I	-
2	0.5	GY/BK	1570	Front Axle Actuator Control	I	-
3	0.5	YE/WH	1695	Four Wheel Drive Wheel Lock Indicator	I	-
4	0.75	BK	1450	Ground	I	-

M37 Mode Door Actuator



Connector Part Information

Harness Type: HVAC
OEM Connector: 965413-1
Service Connector: Service by Harness – See Part Catalog
Description: 6-Way F 0.64 Micro-Quadlock Series (BK)

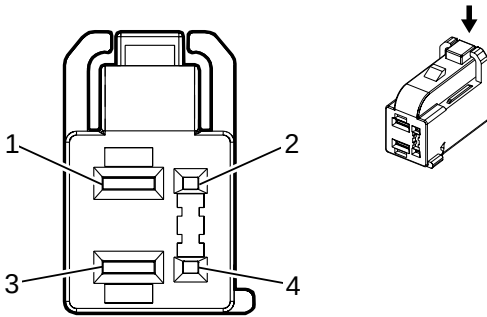
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M37 Mode Door Actuator

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE	3165	Mode Door Stepper Motor Control (1)	I	-
2	0.35	BK	7572	HVAC Motor Supply Voltage	I	-
3	0.35	WH/RD	3166	Mode Door Stepper Motor Control (2)	I	-
4	0.35	GY/BN	3167	Mode Door Stepper Motor Control (3)	I	-
5	-	-	-	Not Occupied	-	-
6	0.35	L-GN/WH	3168	Mode Door Stepper Motor Control (4)	I	-

M51D Seat Horizontal Motor – Driver (AH6)



Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 3-023-66-52
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64, 2.8 Series (BN)

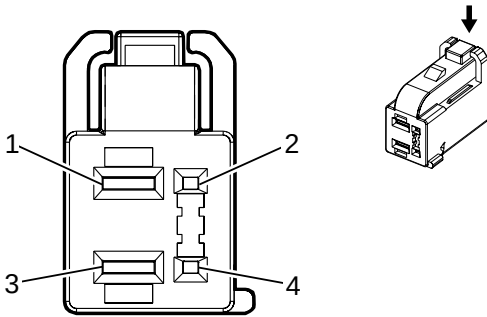
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M51D Seat Horizontal Motor – Driver (AH6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	GY/L-GN	284	Driver Power Seat Horizontal Motor Rearward Control	I	-
2	-	-	-	Not Occupied	-	-
3	1.5	YE/L-BU	285	Driver Power Seat Horizontal Motor Forward Control	I	-
4	-	-	-	Not Occupied	-	-

M51P Seat Horizontal Motor - Passenger (AAQ)



Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 3-023-66-52
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64, 2.8 Series (BN)

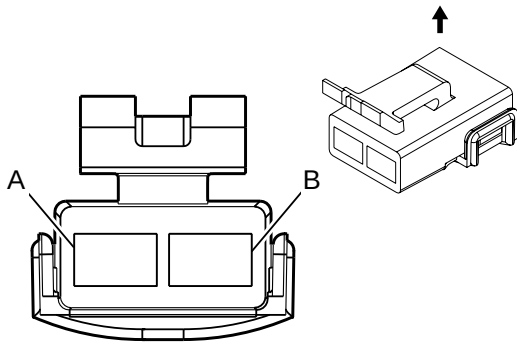
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M51P Seat Horizontal Motor - Passenger (AAQ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	YE/WH	296	Passenger Power Seat Horizontal Motor Forward Control	I	-
2	-	-	-	Not Occupied	-	-
3	1.5	YE/L-BU	290	Passenger Power Seat Horizontal Motor Rearward Control	I	-
4	-	-	-	Not Occupied	-	-

M52D Seat Lumbar Support Horizontal Motor - Driver (AL9)



Connector Part Information

Harness Type: Driver Seat Back
OEM Connector: 12020556
Service Connector: 12101820
Description: 2-Way F 480 Metri-Pack Series (BK)

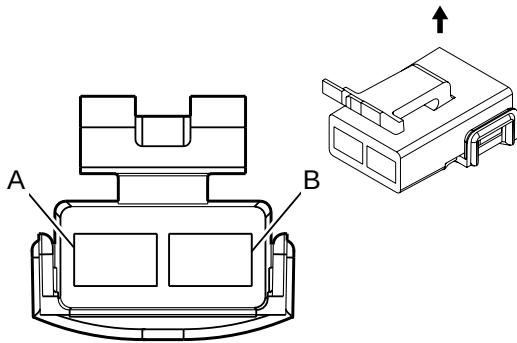
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M52D Seat Lumbar Support Horizontal Motor - Driver (AL9)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	VT	610	Driver Power Seat Lumbar Motor Rearward Control	I	-
B	1.5	L-BU	611	Driver Power Seat Lumbar Motor Forward Control	I	-

M52P Seat Lumbar Support Horizontal Motor - Passenger (AAQ)



Connector Part Information

Harness Type: Passenger Seat Back
OEM Connector: 12020556
Service Connector: 12101820
Description: 2-Way F 480 Metri-Pack Series (BK)

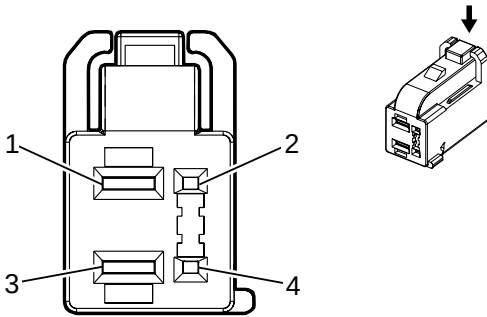
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M52P Seat Lumbar Support Horizontal Motor - Passenger (AAQ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	VT	210	Passenger Power Seat Lumbar Motor Rearward Control	I	-
B	1.5	L-BU	211	Passenger Power Seat Lumbar Motor Forward Control	I	-

M55D Seat Rear Vertical Motor - Driver (AH6)



Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 3-023-66-52
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64, 2.8 Series (BN)

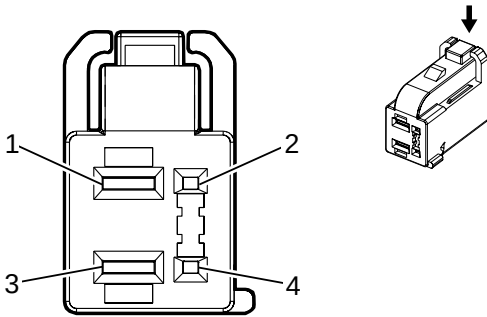
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M55D Seat Rear Vertical Motor - Driver (AH6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	GY/L-BU	283	Driver Power Seat Rear Vertical Motor Down Control	I	-
2	-	-	-	Not Occupied	-	-
3	1.5	YE	282	Driver Power Seat Rear Vertical Motor Up Control	I	-
4	-	-	-	Not Occupied	-	-

M55P Seat Rear Vertical Motor - Passenger (AAQ)



Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 3-023-66-52
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64, 2.8 Series (BN)

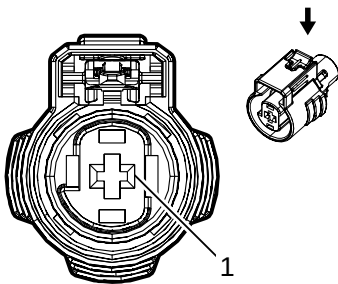
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M55P Seat Rear Vertical Motor - Passenger (AAQ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	L-GN/WH	288	Passenger Power Seat Rear Vertical Motor Up Control	I	-
2	-	-	-	Not Occupied	-	-
3	1.5	L-BU/WH	289	Passenger Power Seat Rear Vertical Motor Down Control	I	-
4	-	-	-	Not Occupied	-	-

M64 Starter Motor X1 (LCV)



Connector Part Information

Harness Type: Engine
OEM Connector: 2098198-9
Service Connector: 19300471
Description: 1-Way F 2.8 MCP Series, Sealed (BK)

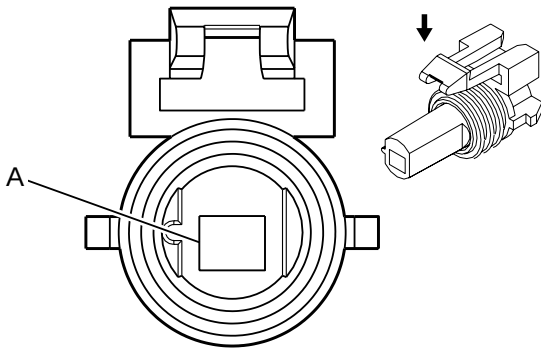
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-35 (VT)	Not Available	Not Available	Not Available	Not Available	Not Available

M64 Starter Motor X1 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	YE	6	Starter Solenoid Crank Voltage	I	-

M64 Starter Motor X1 (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 12089916
Service Connector: 12101763
Description: 1-Way F 280 Metri Pack Series, Sealed (GY)

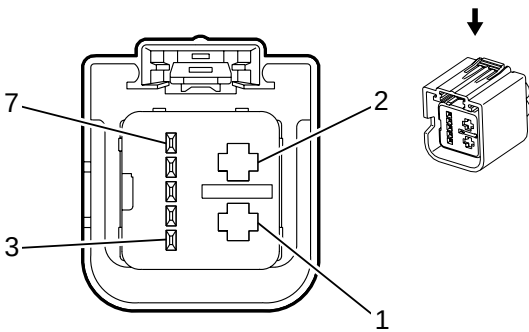
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

M64 Starter Motor X1 (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	YE	6	Starter Solenoid Crank Voltage	I	-

M74D Window Motor - Driver



Connector Part Information

Harness Type: Driver Door
OEM Connector: 1732115-1
Service Connector: Service by Harness - See Part Catalog
Description: 7-Way F 0.64, 2.8 Kaizen Timer Series, Sealed (BK)

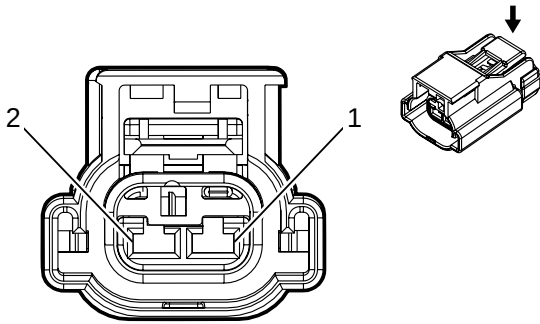
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-35 (VT)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

M74D Window Motor - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	BK	3550	Ground	I	-
2	2.5	RD/L-BU	1240	Battery Positive Voltage	I	-
3	0.35	L-GN/WH	1300	Power Window Master Switch Left Front Up Signal	II	-
4	0.5	L-GN/YE	6134	Linear Interconnect Network Bus 3	II	-
5	0.35	L-GN/VT	7628	Power Window Motor Left Front Express Control	II	-
6	0.35	GY	745	Left Front Door Ajar Switch Signal	II	-
7	0.35	GY	1136	Power Window Master Switch Left Front Down Signal	II	-

M74LR Window Motor - Left Rear (Crew Cab)



Connector Part Information

Harness Type: Left Rear Door
OEM Connector: 54200220N
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 2.8 Series, Sealed (BK)

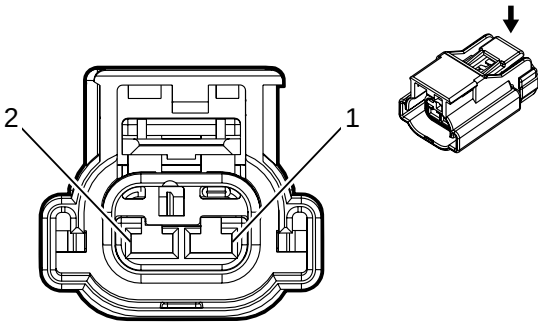
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

M74LR Window Motor - Left Rear (Crew Cab)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	L-BU/VT	668	Power Window Motor Left Rear Up Control	I	-
2	2.5	YE/L-BU	669	Power Window Motor Left Rear Down Control	I	-

M74P Window Motor - Passenger



Connector Part Information

Harness Type: Passenger Door
OEM Connector: 54200220N
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 2.8 Series, Sealed (BK)

Terminal Part Information

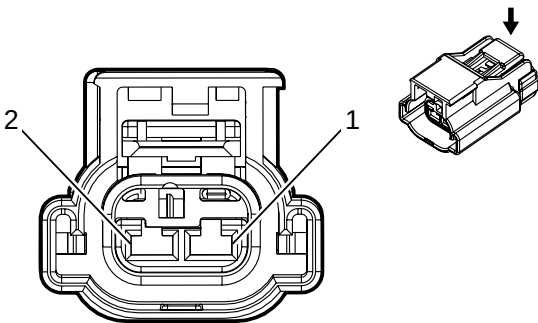
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

M74P Window Motor - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	YE/L-BU	3388	Power Window Motor Co-Driver Down Control	I	-
2	2.5	L-GN/GY	3387	Power Window Motor Co-Driver Up Control	I	-

cardiagn.com

M74RR Window Motor - Right Rear (Crew Cab)



Connector Part Information

Harness Type: Right Rear Door
OEM Connector: 54200220N
Service Connector: 19301518
Description: 2-Way F 2.8 Series, Sealed (BK)

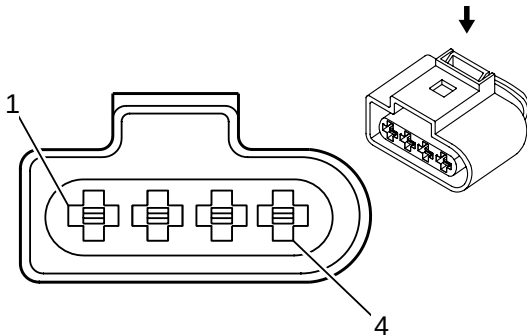
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M74RR Window Motor - Right Rear (Crew Cab)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	L-BU/GY	670	Power Window Motor Right Rear Up Control	I	-
2	2.5	L-GN/BK	671	Power Window Motor Right Rear Down Control	I	-

M75 Windshield Wiper Motor



Connector Part Information

Harness Type: Body
OEM Connector: 42122100
Service Connector: 13578531
Description: 4-Way F 2. 8 Junior Power Timer Series, Sealed (BK)

Terminal Part Information

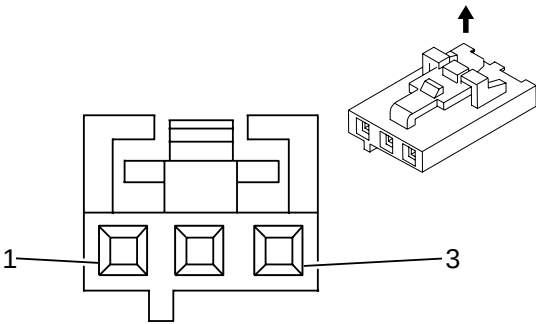
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-4A (PU)	Not Available	Not Available	Not Available	Not Available	Not Available

M75 Windshield Wiper Motor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/L-GN	196	Windshield Wiper Motor Park Switch Signal	I	-
2	1.5	YE/BN	95	Windshield Wiper Motor Low Speed Control	I	-
3	1.5	BK	3150	Ground	I	-
4	1.5	WH	92	Windshield Wiper Motor High Speed Control	I	-

cardiagn.com

M77D Outside Rearview Mirror Motor - Driver (DL6/DL9)



Connector Part Information

Harness Type: Outside Rearview Mirror - Driver
OEM Connector: 50-57-9403
Service Connector: 21019417
Description: 3-Way F 0.64 SL Series (BK)

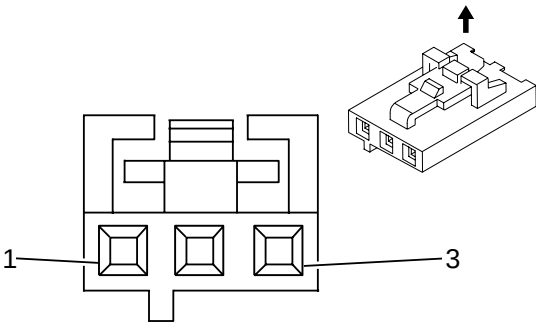
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M77D Outside Rearview Mirror Motor - Driver (DL6/DL9)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.32	GN/WH	3389	Driver Mirror Motor Right (+) Left (-) Control	I	-
2	0.32	WH	3391	Driver Mirror Motor Common Control	I	-
3	0.32	D-BU/WH	3390	Driver Mirror Motor Up (+) Down (-) Control	I	-

M77P Outside Rearview Mirror Motor - Passenger (DL6/DL9)



Connector Part Information

Harness Type: Outside Rearview Mirror - Passenger
OEM Connector: 50-57-9403
Service Connector: 21019417
Description: 3-Way F 0.64 SL Series (BK)

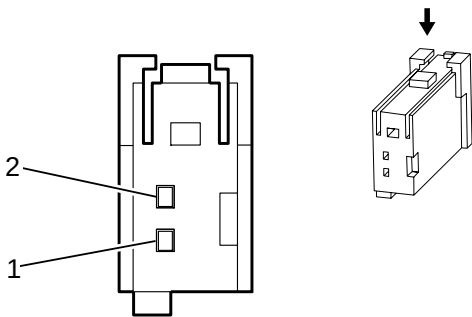
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M77P Outside Rearview Mirror Motor - Passenger (DL6/DL9)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.32	GN/WH	3397	Co-Driver Mirror Motor Up (+) Down (-) Control	I	-
2	0.32	WH	3398	Co-Driver Mirror Motor Common Control	I	-
3	0.32	D-BU/WH	3396	Co-Driver Mirror Motor Right (+) Left (-) Control	I	-

M93 Key Capture Solenoid Actuator (MYB)



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: AIT2PB-02A-1AK
Service Connector: 13314093
Description: 2-Way F 0.64 Series (BK)

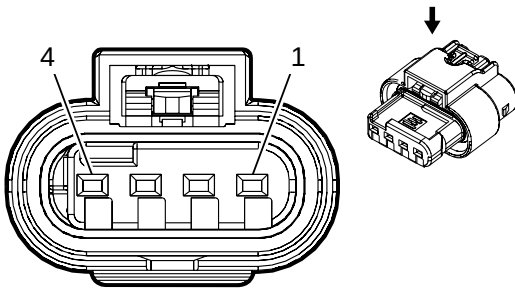
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

M93 Key Capture Solenoid Actuator (MYB)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	VT/YE	143	Accessory Voltage	I	-
2	0.35	BK	2050	Ground	I	-

M96 Active Grille Air Shutter Actuator (LCV)



Connector Part Information

Harness Type: Jumper Harness
OEM Connector: 13576420
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 1.2 MCP Series, Sealed (BK)

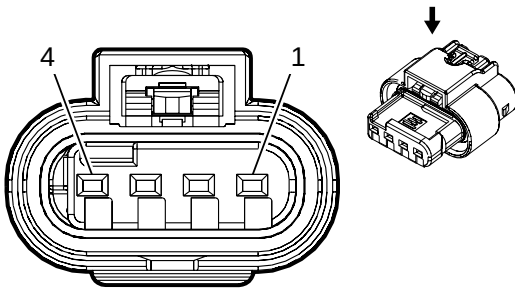
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-35 (VT)	Not Available	Not Available	Not Available	Not Available	Not Available

M96 Active Grille Air Shutter Actuator (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/VT	4333	Aero Shutter Actuator Supply Voltage	I	-
2	0.5	GY	3890	Aero Shutter Control	I	-
3	-	-	-	Not Occupied	-	-
4	0.5	BK	1250	Ground	I	-

M96 Active Grille Air Shutter Actuator (LFX)



Connector Part Information

Harness Type: Jumper Harness
OEM Connector: 13576420
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 1.2 MCP Series, Sealed (BK)

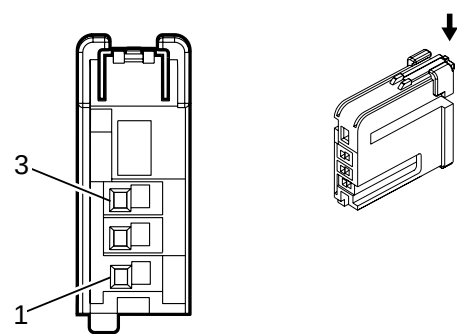
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-35 (VT)	Not Available	Not Available	Not Available	Not Available	Not Available

M96 Active Grille Air Shutter Actuator (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN	3891	Aero Shutter Control	I	-
2	0.5	BK	1250	Ground	I	-
3	0.5	WH/VT	4333	Aero Shutter Actuator Supply Voltage	I	-
4	-	-	-	Not Occupied	-	-

P2 Transmission Shift Lever Position Indicator (MYB)



Connector Part Information

Harness Type: Console
OEM Connector: AIT2PB-03B-1AK
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 0.64 Series (BK)

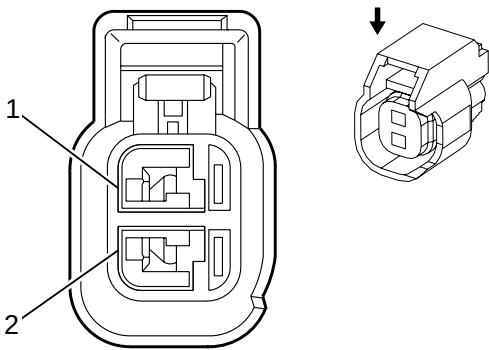
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

P2 Transmission Shift Lever Position Indicator (MYB)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	VT	801	Retained Accessory Power Fuse Supply Voltage	I	-
2	0.5	L-GN/L-BU	6133	Linear Interconnect Network Bus 2	I	-
3	0.35	BK	2050	Ground	I	-

P13 Horn Assembly



Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 88988857
Service Connector: 13585854
Description: 2-Way F 150 GT Series, Sealed (BK)

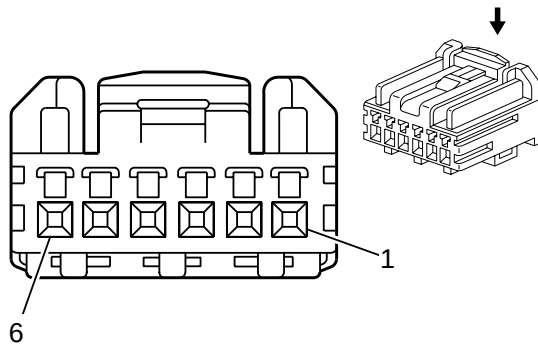
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

P13 Horn Assembly

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BK	1150	Ground	I	-
2	0.75	BN/GY	29	Horn Control	I	-

P14 Passenger Air Bag Disabled Indicator



Connector Part Information

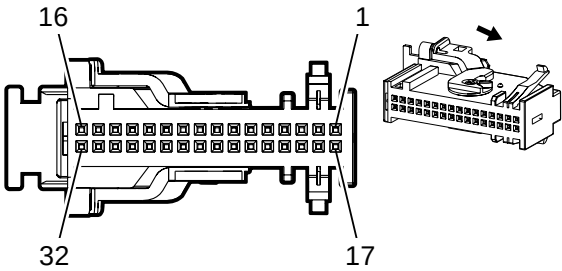
Harness Type: Headliner
OEM Connector: HCMPB-C06-S
Service Connector: 19153174
Description: 6-Way F 0.64 HCM Series (NA)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

P14 Passenger Air Bag Disabled Indicator

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	L-BU	2307	Passenger Air Bag On Indicator Control	I	-
2	0.5	BK	3150	Ground	I	-
3	0.35	L-GN	2308	Passenger Air Bag Off Indicator Control	I	-
4	0.35	VT/WH	1139	Run/Crank Ignition 1 Voltage	I	-
5	0.35	VT/WH	5234	Passenger Seat Belt Indicator	I	-
6	-	-	-	Not Occupied	-	-



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 968265-1
Service Connector: 88988405
Description: 32-Way F 0.64 Micro Quadlok Series (BK)

Terminal Part Information

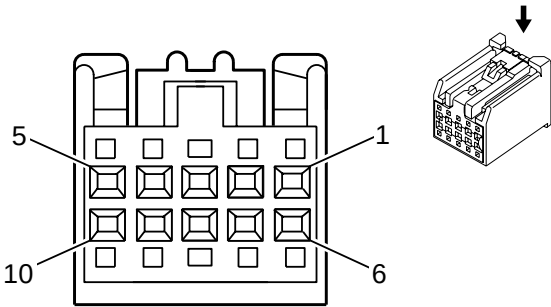
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575585	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	13575587	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

P16 Instrument Cluster

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/L-GN	3997	MOST Serial Data (-)	II	-
2	0.5	GY/VT	3998	MOST Serial Data (+)	II	-
3	0.5	L-GN	5060	Low Speed GMLAN Serial Data	II	-
4	-	-	-	Not Occupied	-	-
5	0.35	WH/VT	3999	MOST Control	I	-
6	-	-	-	Not Occupied	-	-
7	0.5	RD/GY	2840	Battery Positive Voltage	II	-
8	0.5	VT/BK	1639	Run/Crank Ignition 1 Voltage	II	-
9	0.35	GY/L-BU	893	Driver Information Center Select Menu Switch Signal	I	-
10-11	-	-	-	Not Occupied	-	-
12	0.35	GY/YE	3885	Forward Collision Alert LED Control	I	-
13	0.35	BK/BN	897	Driver Information Center Switch Low Reference	I	-
14	0.35	L-GN/WH	1358	Driver Information Center Switch Signal	I	-
15	-	-	-	Not Occupied	-	-

16	0.35	BN/WH	419	Check Engine Indicator Control	I	-
17	0.5	GY/VT	3998	MOST Serial Data (+)	II	-
18	0.5	WH/L-GN	3997	MOST Serial Data (-)	II	-
19	0.5	BK/WH	2151	Signal Ground	II	-
20	0.5	L-GN/BK	3894	Linear Interconnect Network Bus 12	II	-
21-29	-	-	-	Not Occupied	-	-
30	0.35	WH/L-GN	3535	Reflected LED Display Dimming Control	I	-
31-32	-	-	-	Not Occupied	-	-

P17 Info Display Module X1



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: AIT2PB-10P-2AK
Service Connector: 13577390
Description: 10-Way F 0.64 Kaizen Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

P17 Info Display Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/GY	2840	Battery Positive Voltage	I	-
2	-	-	-	Not Occupied	-	-
3	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
4	-	-	-	Not Occupied	-	-
5	0.5	L-GN/L-BU	7532	Linear Interconnect Network Bus 10	I	-
6-7	-	-	-	Not Occupied	-	-
8	0.5	VT/YE	7527	Linear Interconnect Network Bus 5	I	-
9	-	-	-	Not Occupied	-	-
10	0.35	BK/WH	2051	Signal Ground	I	-

P17 Info Display Module X3

Connector Part Information

Harness Type: Instrument Panel LVDS
OEM Connector: 13576692
Service Connector: Service by Harness - See Part Catalog
Description: 5-Way M 2.0 Mini B USB Type (GY)

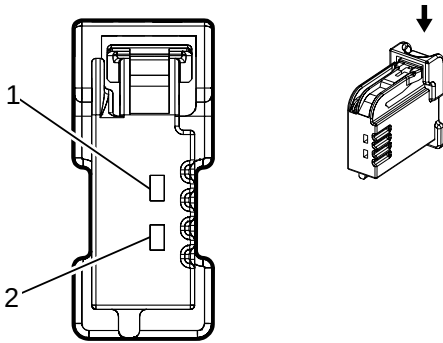
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

P17 Info Display Module X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
-	-	LVDS	-	(Navigation) Navigation Display Signal	I	-

P19B Speaker - Center Instrument Panel (UQA)



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 6098-5527
Service Connector: 13314097
Description: 2-Way F 1.5 Series (GY)

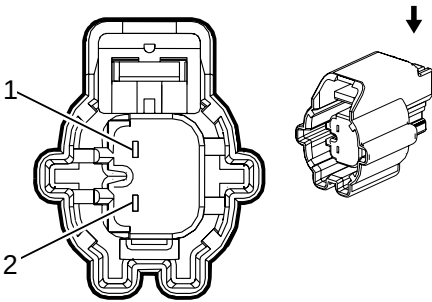
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

P19B Speaker - Center Instrument Panel (UQA)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	L-BU/YE	1960	Front Center Speaker (-)	I	-
2	0.75	YE/WH	1860	Front Center Speaker (+)	I	-

P19AG Speaker - Left Front Door



Connector Part Information

Harness Type: Driver Door
OEM Connector: R63461-005
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 150 GT Series (BK)

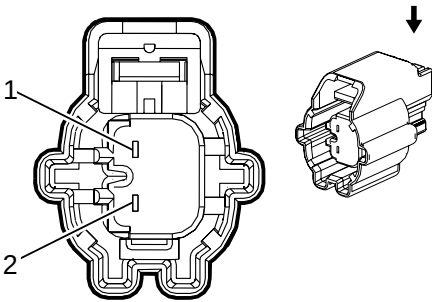
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

P19AG Speaker - Left Front Door

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BN/L-BU	118	Left Front Speaker Signal (-) (1)	I	-
2	1	L-BU	201	Left Front Speaker (+) (1)	I	-

P19AH Speaker - Right Front Door



Connector Part Information

Harness Type: Passenger Door
OEM Connector: R63461-005
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 150 GT Series (BK)

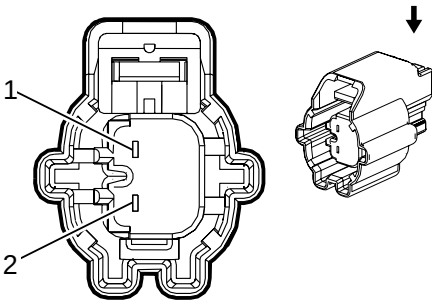
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

P19AH Speaker - Right Front Door

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	YE/BK	117	Right Front Speaker Signal (-) (1)	I	-
2	1	YE	200	Right Front Speaker (+) (1)	I	-

P19AL Speaker - Left Rear Door



Connector Part Information

Harness Type: Left Rear Door
OEM Connector: R63461-005
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 150 GT Series (BK)

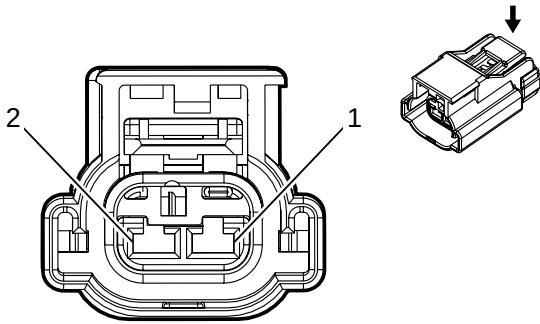
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

P19AL Speaker - Left Rear Door

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	L-GN/BK	116	Left Rear Speaker Signal (-)	I	-
2	1	L-GN	199	Left Rear Speaker (+)	I	-

P19AM Speaker - Right Rear Door (LWB)



Connector Part Information

Harness Type: Right Rear Door
OEM Connector: 54200220N
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 2.8 Series, Sealed (BK)

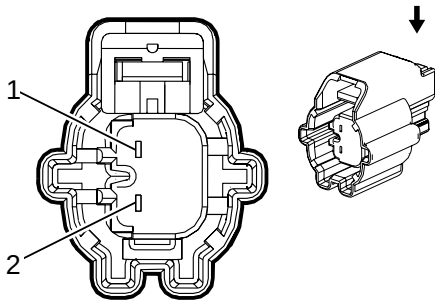
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

P19AM Speaker - Right Rear Door (LWB)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	L-BU/BK	115	Right Rear Speaker Signal (-)	I	-
2	1	WH	46	Right Rear Speaker (+)	I	-

P19AM Speaker - Right Rear Door (SWB)



Connector Part Information

Harness Type: Right Rear Door
OEM Connector: R63461-005
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 150 GT Series (BK)

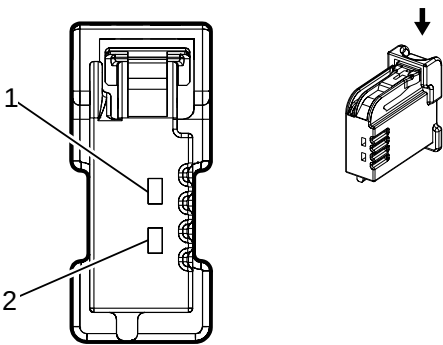
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

P19AM Speaker - Right Rear Door (SWB)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	L-BU/BK	115	Right Rear Speaker Signal (-)	I	-
2	1	WH	46	Right Rear Speaker (+)	I	-

P19H Speaker - Left Front Tweeter (UQA)



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 6098-5527
Service Connector: 13314097
Description: 2-Way F 1.5 Series (GY)

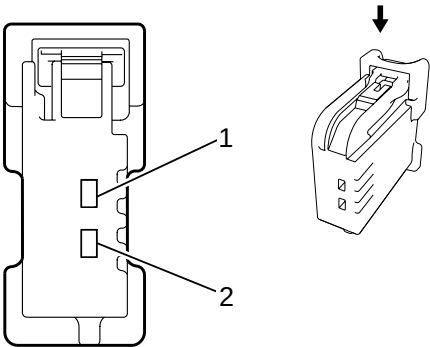
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

P19H Speaker - Left Front Tweeter (UQA)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN/L-BU	118	Left Front Speaker Signal (-) (1)	I	-
2	0.75	L-BU	201	Left Front Speaker (+) (1)	I	-

P19H Speaker - Left Front Tweeter (UQ3)



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 6098-5510
Service Connector: 13584097
Description: 2-Way F 0.64, 1.5 Series (BK)

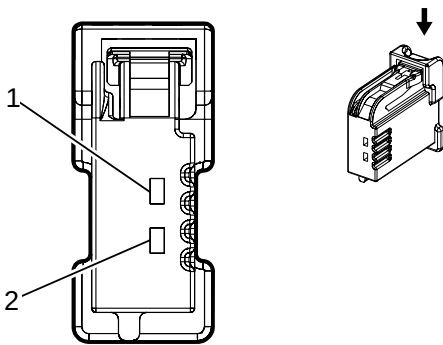
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

P19H Speaker - Left Front Tweeter (UQ3)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN/L-BU	118	Left Front Speaker Signal (-) (1)	I	-
2	0.75	L-BU	201	Left Front Speaker (+) (1)	I	-

P19V Speaker - Right Front Tweeter (UQA)



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 6098-5527
Service Connector: 13314097
Description: 2-Way F 1.5 Series (GY)

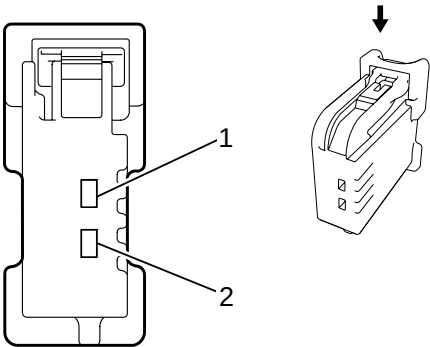
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

P19V Speaker - Right Front Tweeter (UQA)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	YE/BK	117	Right Front Speaker Signal (-) (1)	I	-
2	0.75	YE	200	Right Front Speaker (+) (1)	I	-

P19V Speaker - Right Front Tweeter (UQ3)



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 6098-5510
Service Connector: 13584097
Description: 2-Way F 0.64, 1.5 Series (BK)

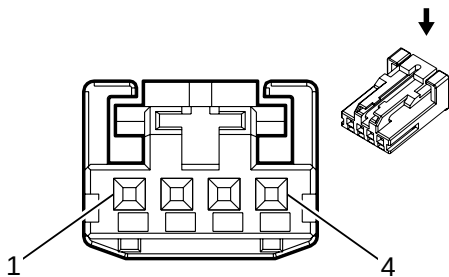
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

P19V Speaker - Right Front Tweeter (UQ3)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	YE/BK	117	Right Front Speaker Signal (-) (1)	I	-
2	0.75	YE	200	Right Front Speaker (+) (1)	I	-

P43 Collision Alert Indicators (UEU)



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 936119-1
Service Connector: 13587297
Description: 4-Way F 0.64 Micro Quadlock Series (BK)

Terminal Part Information

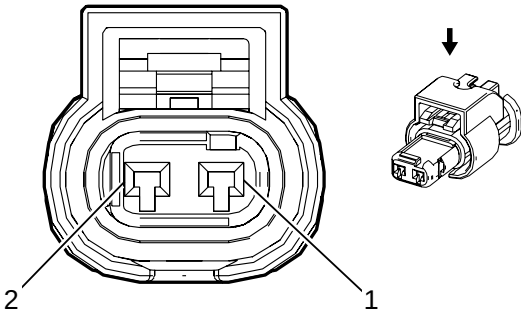
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

P43 Collision Alert Indicators (UEU)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BK	1639	Run/Crank Ignition 1 Voltage	I	-
2	0.35	GY/YE	3885	Forward Collision Alert LED Control	I	-
3	0.35	WH/L-GN	3535	Reflected LED Display Dimming Control	I	-
4	0.35	BK/WH	2151	Signal Ground	I	-

cardiagn.com

Q2 A/C Compressor Clutch



Connector Part Information

Harness Type: Engine (LFX)
OEM Connector: 1-1823608-5
Service Connector: 19301645
Description: 2-Way F 1.2 Multiple Contact Point Series, Sealed (BK with BK Inner Connector)
Harness Type: Engine (LCV)
OEM Connector: 1-1823608-1
Service Connector: 13577519
Description: 2-Way F 1.2 Multiple Contact Point Series, Sealed (BK with BK Inner Connector)

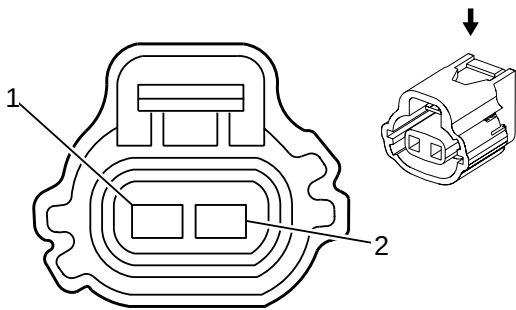
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-16 (LT GN)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

Q2 A/C Compressor Clutch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	1450	Ground	I	-
2	0.75	BN/L-GN	59	A/C Compressor Clutch Supply Voltage	I	-

Q6A Camshaft Position Actuator Solenoid Valve - Bank 1 Exhaust (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 15411401
Service Connector: 89047244
Description: 2-Way F 090 Series, Sealed (BK)

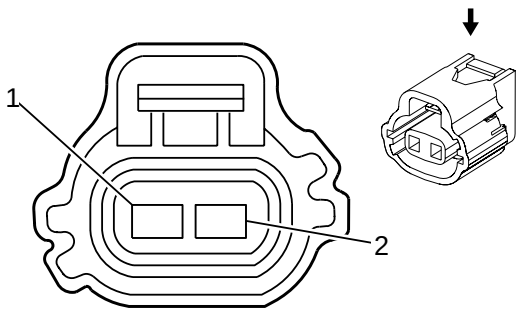
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

Q6A Camshaft Position Actuator Solenoid Valve - Bank 1 Exhaust (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/L-BU	5282	Camshaft Phaser Exhaust Solenoid (1)	I	-
2	0.5	BK/VT	6754	Cam Phaser X Return Low Reference	I	-

Q6B Camshaft Position Actuator Solenoid Valve - Bank 1 Intake (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 15411401
Service Connector: 89047244
Description: 2-Way F 090 Series, Sealed (BK)

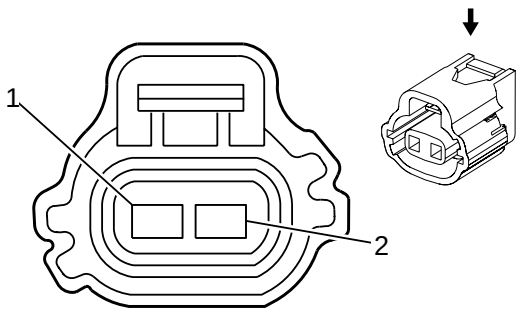
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

Q6B Camshaft Position Actuator Solenoid Valve - Bank 1 Intake (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BN	5284	Camshaft Phaser Intake Solenoid (1)	I	-
2	0.5	BK/BN	6753	Cam Phaser W Return Low Reference	I	-

Q6C Camshaft Position Actuator Solenoid Valve - Bank 2 Exhaust (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 15411401
Service Connector: 89047244
Description: 2-Way F 090 Series, Sealed (BK)

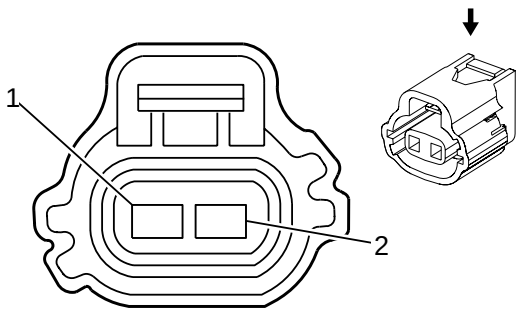
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

Q6C Camshaft Position Actuator Solenoid Valve - Bank 2 Exhaust (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN/BN	5283	Camshaft Phaser Exhaust Solenoid (2)	I	-
2	0.5	BK/GY	6756	Cam Phaser Z Return Low Reference	I	-

Q6D Camshaft Position Actuator Solenoid Valve - Bank 2 Intake (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 15411401
Service Connector: 89047244
Description: 2-Way F 090 Series, Sealed (BK)

Terminal Part Information

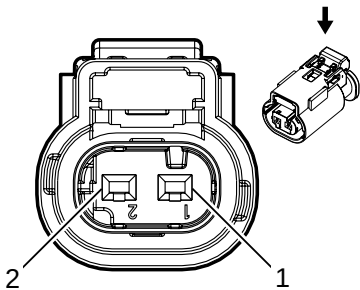
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

Q6D Camshaft Position Actuator Solenoid Valve - Bank 2 Intake (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN	5272	Camshaft Phaser Intake Solenoid (2)	I	-
2	0.5	BK/L-BU	6755	Cam Phaser Y Return Low Reference	I	-

cardiagn.com

Q6E Camshaft Position Actuator Solenoid Valve - Exhaust (LCV)



Connector Part Information

Harness Type: Engine
OEM Connector: 10010337
Service Connector: 19299707
Description: 2-Way F 1.2 MLK Series, Sealed (BK)

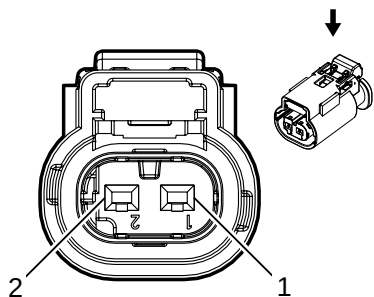
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-16 (LT GN)	Not Available	Not Available	Not Available	Not Available	Not Available

Q6E Camshaft Position Actuator Solenoid Valve - Exhaust (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/L-BU	5282	Camshaft Phaser Exhaust Solenoid (1)	I	-
2	0.5	BK/VT	6754	Cam Phaser X Return Low Reference	I	-

Q6F Camshaft Position Actuator Solenoid Valve - Intake (LCV)



Connector Part Information

Harness Type: Engine
OEM Connector: 10010338
Service Connector: 13587325
Description: 2-Way F 1.2 MLK Series, Sealed (L-GY)

Terminal Part Information

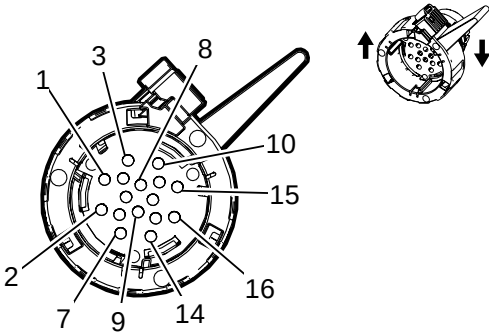
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-16 (LT GN)	Not Available	Not Available	Not Available	Not Available	Not Available

Q6F Camshaft Position Actuator Solenoid Valve - Intake (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BN	5284	Camshaft Phaser Intake Solenoid (1)	I	-
2	0.5	BK/BN	6753	Cam Phaser W Return Low Reference	I	-

cardiagn.com

Q8 Control Solenoid Valve Assembly X1 (MYB)



Connector Part Information

Harness Type: Engine
OEM Connector: 13582817
Service Connector: 19303772
Description: 16-Way F 1.5 Series, Sealed (BK)

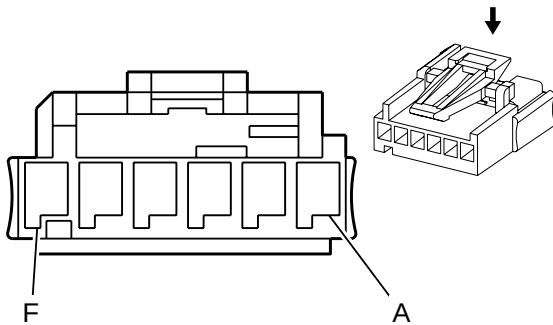
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

Q8 Control Solenoid Valve Assembly X1 (MYB)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-2	-	-	-	Not Occupied	-	-
3	0.5	WH/GY	1786	Transmission Park/Neutral Signal (1)	I	-
4	0.75	RD/L-GN	1840	Battery Positive Voltage	I	-
5	0.75	BK/WH	1451	Signal Ground	I	-
6-8	-	-	-	Not Occupied	-	-
9	0.5	VT/YE	5985	Accessory Wakeup Serial Data	I	-
10	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
11	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
12	0.5	VT/BK	2139	Run/Crank Ignition 1 Voltage	I	-
13	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
14	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
15-16	-	-	-	Not Occupied	-	-

Q8 Control Solenoid Valve Assembly X2 (MYB)



Connector Part Information

Harness Type: Transmission
OEM Connector: 15336500
Service Connector: 89046635
Description: 6-Way F Metri Pack 150.2 Series (GN)

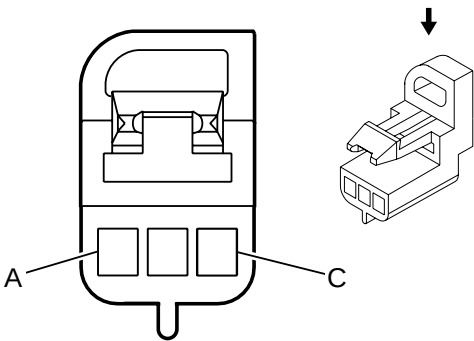
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Service by Harness – See Part Catalog	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

Q8 Control Solenoid Valve Assembly X2 (MYB)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.35	GY	—	Ground	I	-
B	0.35	BK	—	Transmission Range Switch Signal P	I	-
C	0.35	YE	—	Transmission Range Switch Signal C	I	-
D	0.35	RD	—	Transmission Range Switch Signal B	I	-
E	0.35	GN	—	Transmission Range Switch Signal A	I	-
F	0.35	WH	—	Park/Neutral Switch Signal	I	-

Q8 Control Solenoid Valve Assembly X3 (MYB)



Connector Part Information

Harness Type: Transmission
OEM Connector: 13539487
Service Connector: Service by Harness – See Part Catalog
Description: 3-Way F Metri Pack 150 Series (BK)

Terminal Part Information

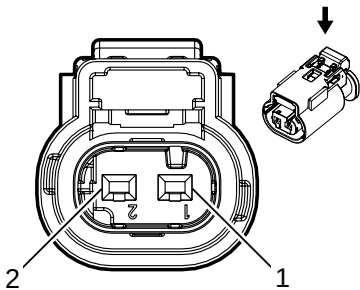
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Service by Harness – See Part Catalog	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

Q8 Control Solenoid Valve Assembly X3 (MYB)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.35	GN	—	Input Speed Sensor (ISS) Signal	I	-
B	0.35	RD	—	ISS/OSS Supply Voltage	I	-
C	0.35	BK	—	Output Speed Sensor (OSS) Signal	I	-

cardiagn.com

Q12 Evaporative Emission Purge Solenoid Valve (LCV)



Connector Part Information

Harness Type: Engine
OEM Connector: 10010337
Service Connector: 19299707
Description: 2-Way F 1.2 MLK Series, Sealed (BK)

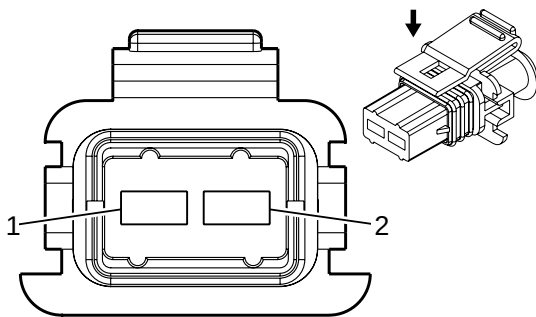
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-16 (LT GN)	Not Available	Not Available	Not Available	Not Available	Not Available

Q12 Evaporative Emission Purge Solenoid Valve (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/L-BU	5293	Powertrain Main Relay Fused Supply (4)	I	-
2	0.5	L-GN/L-BU	428	EVAP Canister Purge Solenoid Control	I	-

Q12 Evaporative Emission Purge Solenoid Valve (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 1928403137
Service Connector: 13585849
Description: 2-Way F Junior Power Timer Series, Sealed (BK)

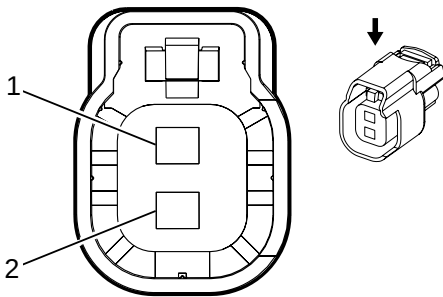
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

Q12 Evaporative Emission Purge Solenoid Valve (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/L-BU	5293	Powertrain Main Relay Fused Supply (4)	I	-
2	0.5	L-GN/L-BU	428	EVAP Canister Purge Solenoid Control	I	-

Q13 Evaporative Emission Vent Solenoid Valve



Connector Part Information

Harness Type: Chassis
OEM Connector: 13503511
Service Connector: 13579002
Description: 2-Way F 1.5 Series, Sealed (BK)

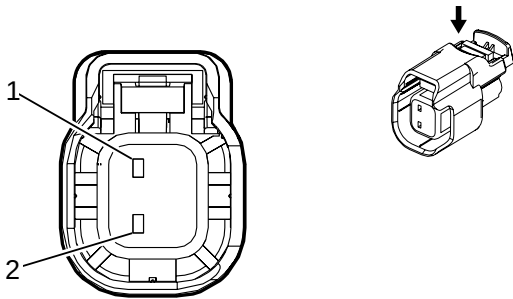
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

Q13 Evaporative Emission Vent Solenoid Valve

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH	1310	EVAP Canister Vent Solenoid Control	I	-
2	0.5	RD/L-GN	2440	Battery Positive Voltage	I	-

Q17A Fuel Injector 1 (LCV)



Connector Part Information

Harness Type: Fuel Rail
OEM Connector: 13503508
Service Connector: Service by Harness – See Part Catalog
Description: 2-Way F 1.5 Series Sealed (BK)

Terminal Part Information

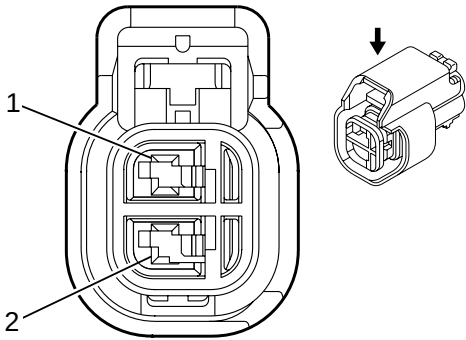
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

Q17A Fuel Injector 1 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN	4801	Direct Fuel Injector (DFI) High Voltage Control Cylinder 1	I	-
2	0.75	BN/WH	4901	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 1	I	-

cardiagn.com

Q17A Fuel Injector 1 (LFX)



Connector Part Information

Harness Type: Bank 1 Fuel Rail
OEM Connector: E-2157
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

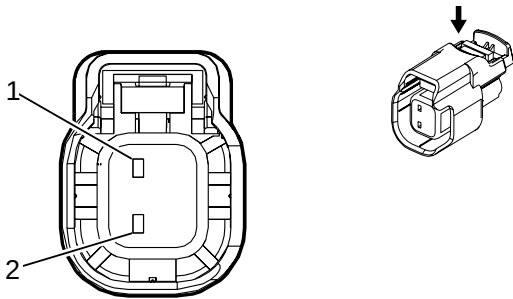
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

Q17A Fuel Injector 1 (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN	4801	Direct Fuel Injector (DFI) High Voltage Control Cylinder 1	I	-
2	0.5	BN/WH	4901	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 1	I	-

Q17B Fuel Injector 2 (LCV)



Connector Part Information

Harness Type: Fuel Rail
OEM Connector: 13503508
Service Connector: Service by Harness – See Part Catalog
Description: 2-Way F 1.5 Series Sealed (BK)

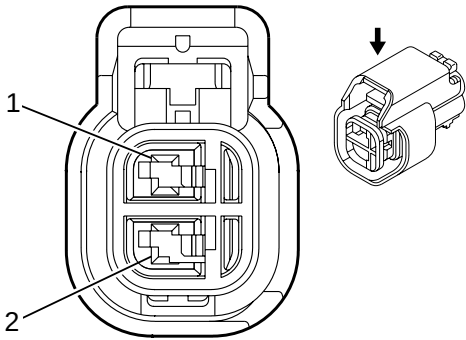
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

Q17B Fuel Injector 2 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BU	4802	Direct Fuel Injector (DFI) High Voltage Control Cylinder 2	I	-
2	0.75	BU/GY	4902	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 2	I	-

Q17B Fuel Injector 2 (LFX)



Connector Part Information

Harness Type: Bank 2 Fuel Rail
OEM Connector: E-2157
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

Terminal Part Information

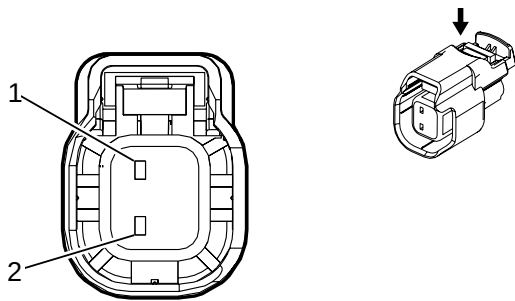
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

Q17B Fuel Injector 2 (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BU	4802	Direct Fuel Injector (DFI) High Voltage Control Cylinder 2	I	-
2	0.5	BU/GY	4902	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 2	I	-

cardiagn.com

Q17C Fuel Injector 3 (LCV)



Connector Part Information

Harness Type: Fuel Rail
OEM Connector: 13503508
Service Connector: Service by Harness – See Part Catalog
Description: 2-Way F 1.5 Series Sealed (BK)

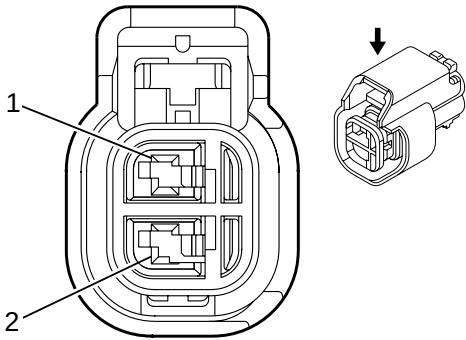
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

Q17C Fuel Injector 3 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	GN	4803	Direct Fuel Injector (DFI) High Voltage Control Cylinder 3	I	-
2	0.75	GN/GY	4903	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 3	I	-

Q17C Fuel Injector 3 (LFX)



Connector Part Information

Harness Type: Bank 1 Fuel Rail
OEM Connector: E-2157
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

Terminal Part Information

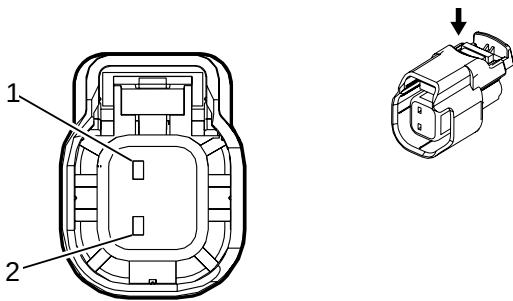
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

Q17C Fuel Injector 3 (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GN	4803	Direct Fuel Injector (DFI) High Voltage Control Cylinder 3	I	-
2	0.5	GN/GY	4903	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 3	I	-

cardiagn.com

Q17D Fuel Injector 4 (LCV)



Connector Part Information

Harness Type: Fuel Rail
OEM Connector: 13503508
Service Connector: Service by Harness – See Part Catalog
Description: 2-Way F 1.5 Series Sealed (BK)

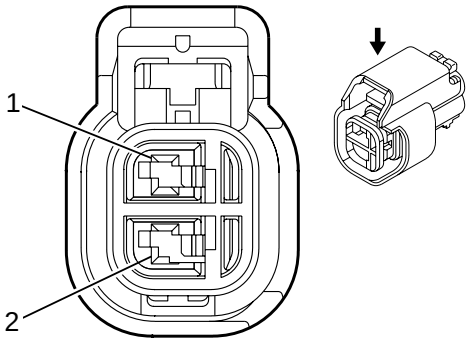
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

Q17D Fuel Injector 4 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	GY/BU	4804	Direct Fuel Injector (DFI) High Voltage Control Cylinder 4	I	-
2	0.75	BU/WH	4904	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 4	I	-

Q17D Fuel Injector 4 (LFX)



Connector Part Information

Harness Type: Bank 2 Fuel Rail
OEM Connector: E-2157
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

Terminal Part Information

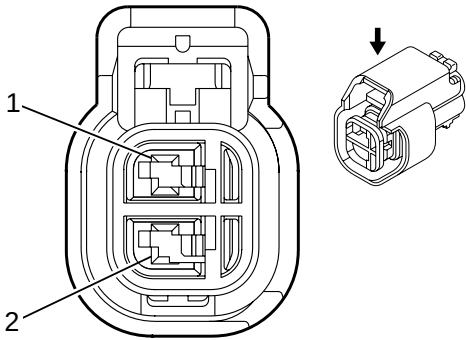
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

Q17D Fuel Injector 4 (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/BU	4804	Direct Fuel Injector (DFI) High Voltage Control Cylinder 4	I	-
2	0.5	BU/WH	4904	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 4	I	-

cardiagn.com

Q17E Fuel Injector 5 (LFX)



Connector Part Information

Harness Type: Bank 1 Fuel Rail
OEM Connector: E-2157
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

Terminal Part Information

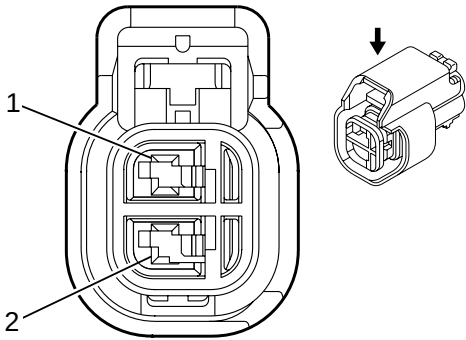
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

Q17E Fuel Injector 5 (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/GN	4805	Direct Fuel Injector (DFI) High Voltage Control Cylinder 5	I	-
2	0.5	GN/WH	4905	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 5	I	-

cardiagn.com

Q17F Fuel Injector 6 (LFX)



Connector Part Information

Harness Type: Bank 2 Fuel Rail
OEM Connector: E-2157
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

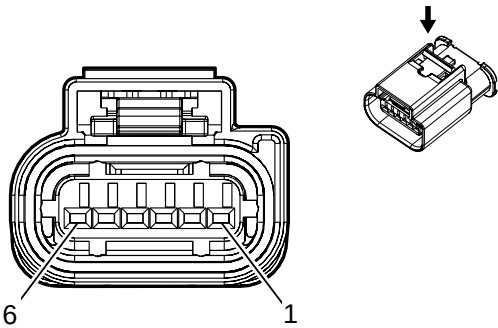
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

Q17F Fuel Injector 6 (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/GN	4806	Direct Fuel Injector (DFI) High Voltage Control Cylinder 6	I	-
2	0.5	VT/GY	4906	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 6	I	-

Q38 Throttle Body



Connector Part Information

Harness Type: Engine
OEM Connector: 2138387-5
Service Connector: Service by Harness – See Part Catalog
Description: 6-Way F 1.2 Series, Sealed (BK)

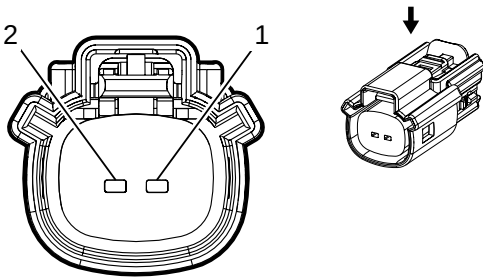
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

Q38 Throttle Body

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE	581	Throttle Actuator Control Open	I	-
2	0.5	BN/WH	582	Throttle Actuator Control Close	I	-
3	0.5	BU/WH	3630	Throttle Position Sensor (SENT1) Signal	I	-
4	0.5	BK/BN	2752	Throttle Position Sensor Low Reference	I	-
5	0.5	BN/RD	2701	Throttle Position Sensor 5 Volt Reference	I	-
6	-	-	-	Not Occupied	-	-

Q44 Engine Oil Pressure Control Solenoid Valve (LCV)



Connector Part Information

Harness Type: Engine
OEM Connector: 33471-0206
Service Connector: 13577534
Description: 2-Way F 1.5 Series, Sealed (BK)

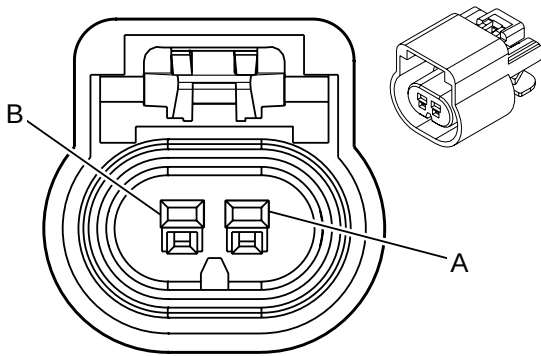
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

Q44 Engine Oil Pressure Control Solenoid Valve (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/L-BU	5293	Powertrain Main Relay Fused Supply (4)	I	-
2	0.5	L-BU	179	Oil Pump Command Signal	I	-

R6A Terminating Resistor - High Speed Bus (LFX)



Connector Part Information

Harness Type: Chassis
OEM Connector: 19153731
Service Connector: 13580114
Description: 2-Way F 150 GT Series, Sealed (BK)

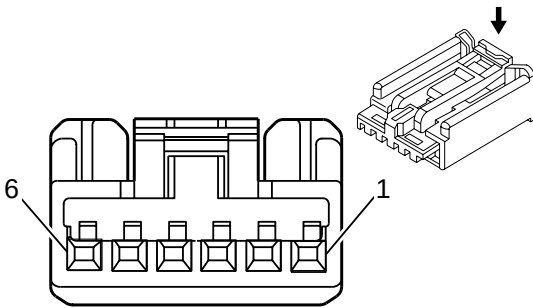
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

R6A Terminating Resistor - High Speed Bus (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
B	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-

S3 Transmission Shift Lever (MYB)



Connector Part Information

Harness Type: Console
OEM Connector: AIT2PB-06-1AK
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Kaizen Series (BK)

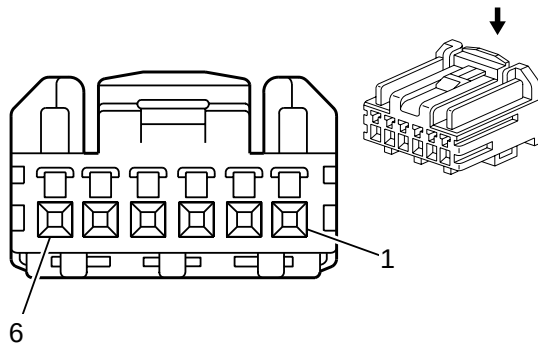
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

S3 Transmission Shift Lever (MYB)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	-	-	-	Not Occupied	-	-
2	0.5	BK	2050	Ground	I	-
3	0.35	VT/YE	5526	Tap Up/Tap Down Switch Signal	I	-
4	0.5	VT/BK	7553	Park Lock Solenoid Control	I	-
5	-	-	-	Not Occupied	-	-
6	0.5	WH/VT	5905	Key Capture/Column Lock Shift Position Signal	I	-

S13D Door Lock Switch - Driver



Connector Part Information

Harness Type: Driver Door
OEM Connector: HCMPB-C06-K
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 HCM Series (BK)

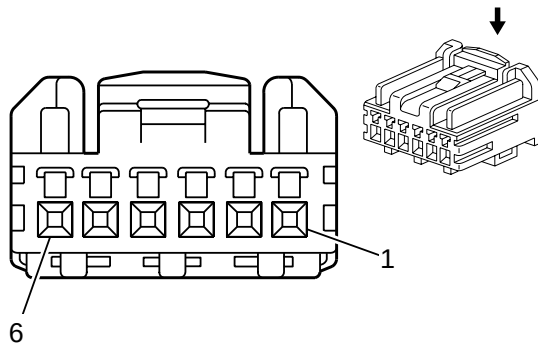
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

S13D Door Lock Switch - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	-	-	-	Not Occupied	-	-
2	0.35	YE	6817	LED Backlight Dimming Control	I	-
3	0.35	BN/WH	781	Driver Door Lock Switch Unlock Signal	I	-
4	0.35	BN/YE	780	Driver Door Lock Switch Lock Signal	I	-
5	0.5	BK	3550	Ground	I	-
6	-	-	-	Not Occupied	-	-

S13P Door Lock Switch - Passenger



Connector Part Information

Harness Type: Passenger Door
OEM Connector: HCMPB-C06-K
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 HCM Series (BK)

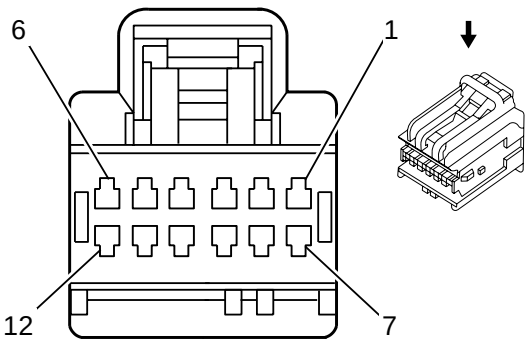
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

S13P Door Lock Switch - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	-	-	-	Not Occupied	-	-
2	0.35	YE	6817	LED Backlight Dimming Control	I	-
3	0.35	BN/VT	245	Passenger Door Lock Switch Unlock Control	I	-
4	0.35	YE/VT	244	Passenger Door Lock Switch Lock Control	I	-
5	0.35	BK	3650	Ground	I	-
6	-	-	-	Not Occupied	-	-

S30 Headlamp Switch



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 31410-1120
Service Connector: 89047364
Description: 12-Way F 0.64 Series, Sealed (BK)

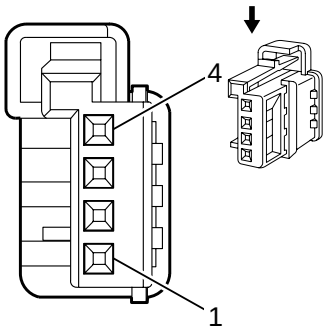
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575845	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

S30 Headlamp Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/VT	103	Headlamp Switch On Signal	I	-
2	0.5	YE	6817	LED Backlight Dimming Control	I	-
3	0.35	L-GN/BN	306	Headlamp Switch Headlamps Off Signal Control	I	-
4	-	-	-	Not Occupied	-	-
5	0.35	L-GN/GY	13	Headlamp Switch Park Lamp Signal	I	-
6	-	-	-	Not Occupied	-	-
7	0.35	BK/YE	5005	Instrument Panel Lamp Dimmer Switch Low Reference	I	-
8	0.35	BK/WH	2151	Signal Ground	I	-
9	-	-	-	Not Occupied	-	-
10	0.35	L-BU/GY	192	Front Fog Lamp Switch Signal	I	-
11	0.35	YE/GY	44	Instrument Panel Lamp Dimmer Switch Signal	I	-
12	0.35	L-BU/RD	1688	5 Volt Reference	I	-

S32D Seat Heating Switch - Driver (KA1)



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 1379029-2
Service Connector: 13576536
Description: 4-Way F 0.64 Micro Quadlock Series (WH)

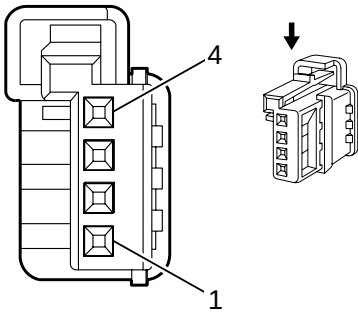
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

S32D Seat Heating Switch - Driver (KA1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	2050	Ground	I	-
2	-	-	-	Not Occupied	-	-
3	0.5	L-GN/WH	7527	Linear Interconnect Network Bus 5	I	-
4	0.5	RD/GY	2840	Battery Positive Voltage	I	-

S32P Seat Heating Switch - Passenger (KA1)



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 1379029-6
Service Connector: 13587956
Description: 4-Way F 0.64 Micro Quadlok Series (BN)

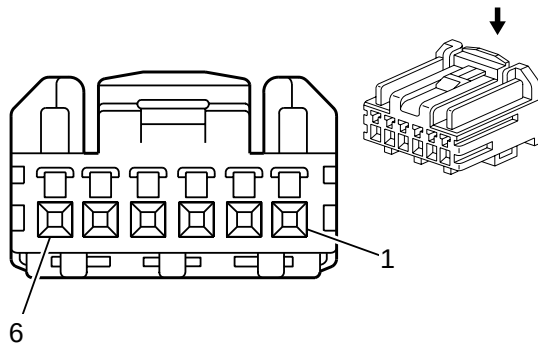
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

S32P Seat Heating Switch - Passenger (KA1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	2050	Ground	I	-
2	-	-	-	Not Occupied	-	-
3	0.5	L-GN/WH	7527	Linear Interconnect Network Bus 5	I	-
4	0.5	RD/GY	2840	Battery Positive Voltage	I	-

S39 Ignition Switch



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: HCMPB-C06-K
Service Connector: 19153174
Description: 6-Way F 0.64 HCM Series (BK)

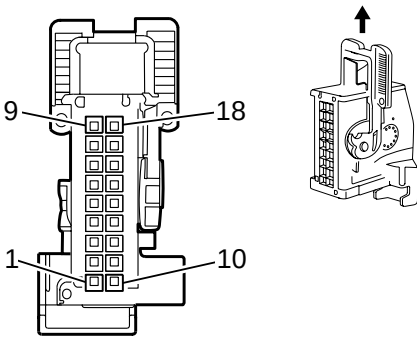
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

S39 Ignition Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BK	3	Run/Crank Ignition 1 Voltage	I	-
2	0.5	RD/L-BU	540	Battery Positive Voltage	I	-
3	0.5	VT/YE	4	Accessory Voltage	I	-
4	0.5	WH/VT	1020	Off/Run/Crank Voltage	I	-
5	-	-	-	Not Occupied	-	-
6	0.5	WH/BK	1073	Ignition Key Resistor Signal	I	-

S48A Multifunction Switch – Instrument Panel



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 1379102-1
Service Connector: 13504129
Description: 18-Way F Micro Quadlock Series (BK)

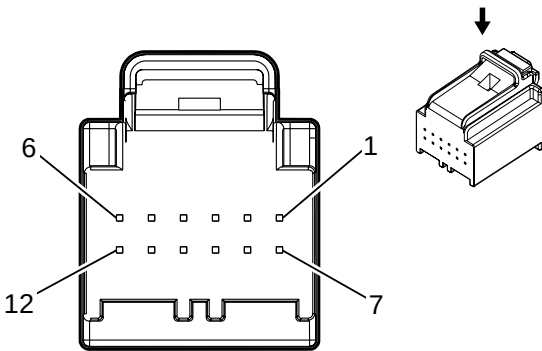
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	19329754	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

S48A Multifunction Switch – Instrument Panel

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE	6817	LED Backlight Dimming Control	I	-
2	0.35	WH	6816	Indicator Dimming Control	I	-
3	-	-	-	Not Occupied	-	-
4	0.35	L-BU/YE	6844	ABS/TCS Hill Descent Control Switch Signal	I	-
5	0.35	WH	3152	Lane Departure Warning Indicator Control	I	-
6-7	-	-	-	Not Occupied	-	-
8	0.35	GY/WH	3153	Lane Departure Warning Disable Switch Signal	I	-
9	-	-	-	Not Occupied	-	-
10	0.35	L-GN/WH	111	Hazard Switch Signal	I	-
11	0.35	L-BU/GY	553	Shift Select Switch Performance Signal	I	-
12-13	-	-	-	Not Occupied	-	-
14	0.35	BK	2050	Ground	I	-
15-16	-	-	-	Not Occupied	-	-
17	0.35	L-BU/VT	1788	Traction Control Switch Signal (1)	I	-
18	0.35	GY	158	Cargo Lamp Switch Signal	I	-

S52 Outside Rearview Mirror Switch (DL6/DL9)



Connector Part Information

Harness Type: Driver Door
OEM Connector: 31410-1121
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way F 64 Series, Sealed (GY)

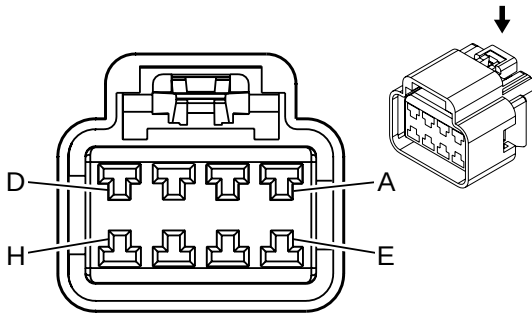
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

S52 Outside Rearview Mirror Switch (DL6/DL9)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE	6817	LED Backlight Dimming Control	I	-
2-4	-	-	-	Not Occupied	-	-
5	0.35	WH	3398	Co-Driver Mirror Motor Common Control	I	-
6	0.35	YE/BN	3391	Driver Mirror Motor Common Control	I	-
7	0.35	YE/VT	3397	Co-Driver Mirror Motor Up (+) Down (-) Control	I	-
8	0.35	VT/L-BU	3390	Driver Mirror Motor Up (+) Down (-) Control	I	-
9	0.35	L-GN/BK	3396	Co-Driver Mirror Motor Right (+) Left (-) Control	I	-
10	0.35	BN/BK	3389	Driver Mirror Motor Right (+) Left (-) Control	I	-
11	0.5	BK	3550	Ground	I	-
12	0.35	RD/VT	1940	Battery Positive Voltage	I	-

S64D Seat Adjuster Switch – Driver X1 (AL9)



Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 15326924
Service Connector: 13587188
Description: 8-Way F 280 GT Series (BK)

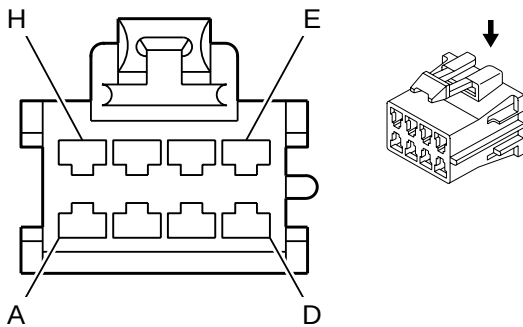
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13580074	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

S64D Seat Adjuster Switch – Driver X1 (AL9)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	YE	282	Driver Power Seat Rear Vertical Motor Up Control	I	-
B	2.5	BK	3750	Ground	I	-
C	1.5	YE/L-BU	285	Driver Power Seat Horizontal Motor Forward Control	I	-
D	2.5	RD/YE	5040	Battery Positive Voltage	I	-
E	-	-	-	Not Occupied	-	-
F	1.5	GY/L_GN	284	Driver Power Seat Horizontal Motor Rearward Control	I	-
G	-	-	-	Not Occupied	-	-
H	1.5	GY/L-BU	283	Driver Power Seat Rear Vertical Motor Down Control	I	-

S64D Seat Adjuster Switch – Driver X2 (AL9)



Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 12089287
Service Connector: 15306189
Description: 8-Way F 280 Metri-Pack Series (NA)

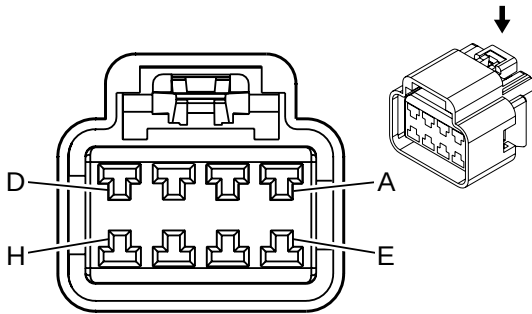
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Service by Harness – See Part Catalog	J-35616-4A (PU)	J-38125-11A	12066214	2	A	B
II	Service by Harness – See Part Catalog	J-35616-4A (PU)	J-38125-11A	12015858	4	F	G

S64D Seat Adjuster Switch – Driver X2 (AL9)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	VT	610	Driver Power Seat Lumbar Motor Rearward Control	I	-
B-C	-	-	-	Not Occupied	-	-
D	1.5	L-BU	611	Driver Power Seat Lumbar Motor Forward Control	I	-
E	2.5	RD/BN	5040	Battery Positive Voltage	II	-
F-G	-	-	-	Not Occupied	-	-
H	2.5	BK	3750	Ground	II	-

S64P Seat Adjuster Switch - Passenger X1 (AAQ)



Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 15326924
Service Connector: 13587188
Description: 8-Way F 280 GT Series (BK)

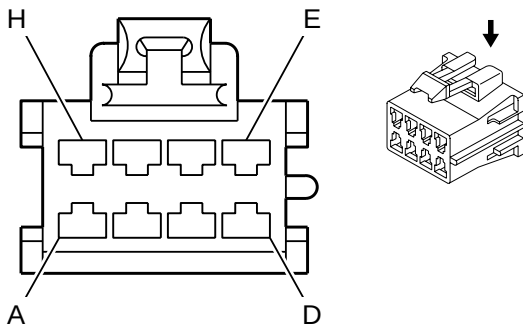
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13580074	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

S64P Seat Adjuster Switch - Passenger X1 (AAQ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	L-BU/WH	289	Passenger Power Seat Rear Vertical Motor Down Control	I	-
B	2.5	BK	3850	Ground	I	-
C	1.5	YE/WH	296	Passenger Power Seat Horizontal Motor Forward Control Control	I	-
D	2.5	RD/BN	1440	Battery Positive Voltage	I	-
E	-	-	-	Not Occupied	-	-
F	1.5	YE/L-BU	290	Passenger Power Seat Horizontal Motor Rearward Control	I	-
G	-	-	-	Not Occupied	-	-
H	1.5	L-GN/WH	288	Passenger Power Seat Rear Vertical Motor Up Control	I	-

S64P Seat Adjuster Switch - Passenger X2 (AAQ)



Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 12089287
Service Connector: 15306189
Description: 8-Way F 280 Metri-Pack Series (NA)

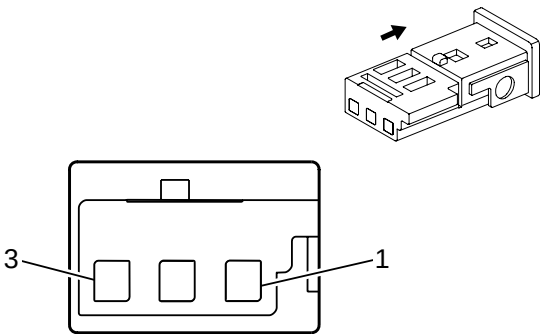
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Service by Harness – See Part Catalog	J-35616-4A (PU)	J-38125-11A	12066214	2	A	B
II	Service by Harness – See Part Catalog	J-35616-4A (PU)	J-38125-11A	12015858	4	F	G

S64P Seat Adjuster Switch - Passenger X2 (AAQ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	VT	210	Passenger Power Seat Lumbar Motor Rearward Control	I	-
B-C	-	-	-	Not Occupied	-	-
D	1.5	L-BU	211	Passenger Power Seat Lumbar Motor Forward Control	I	-
E	2.5	RD/BN	1440	Battery Positive Voltage	II	-
F-G	-	-	-	Not Occupied	-	-
H	2.5	BK	3850	Ground	II	-

S70E Steering Wheel Controls Switch - Radio Presets (W1Y)



Connector Part Information

Harness Type: Steering Wheel
OEM Connector: 13153088
Service Connector: 13314078
Description: 3-Way F 0.64 Micro-Quadlock Series (BK)

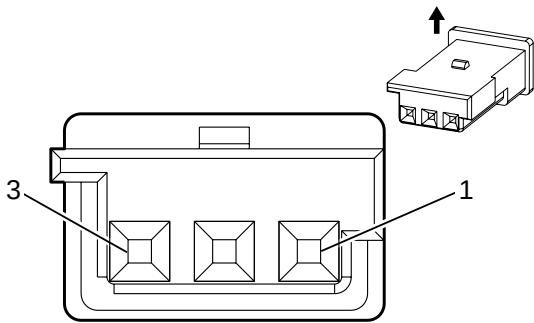
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

S70E Steering Wheel Controls Switch - Radio Presets (W1Y)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/YE	4313	Radio Favorite Forward Signal	I	-
2	0.35	YE/L-BU	4312	Radio Favorite Back Signal	I	-
3	0.35	BK	2050	Ground	I	-

S70F Steering Wheel Controls Switch - Radio Volume (W1Y)



Connector Part Information

Harness Type: Steering Wheel
OEM Connector: 19153569
Service Connector: 13576530
Description: 3-Way F Micro-Quadlock Series (PU)

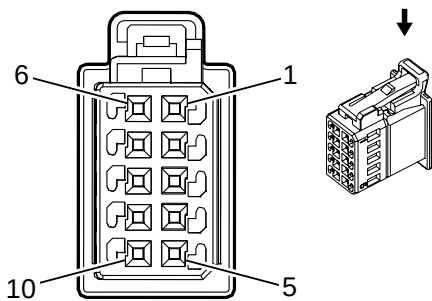
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

S70F Steering Wheel Controls Switch - Radio Volume (W1Y)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	L-BU	4315	Radio Volume Up Signal	I	-
2	0.35	GY/BN	4314	Radio Volume Down Signal	I	-
3	0.35	BK	2050	Ground	I	-

S70L Steering Wheel Controls Switch - Left



Connector Part Information

Harness Type: Steering Wheel
OEM Connector: 13582766
Service Connector: 19299776
Description: 10-Way F 0.64 MQS Series (BK)

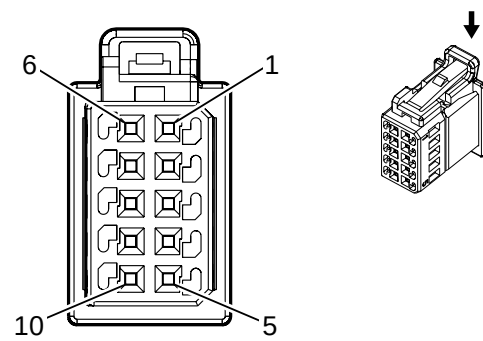
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

S70L Steering Wheel Controls Switch - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	2050	Ground	I	-
2	-	-	-	Not Occupied	-	-
3	0.35	GY/OG	5737	Adaptive Cruise Control Gap Up/Down Switch Signal	I	UEU
4	0.35	BN/YE	1884	Cruise Control Set/Coast/Resume/Accelerate Switch Signal	I	-
5	-	-	-	Not Occupied	-	-
6	0.35	BN	6136	Supply Voltage	I	-W1Y
	0.35	YE	6817	LED Backlight Dimming Control		W1Y
7-8	-	-	-	Not Occupied	-	-
9	0.35	WH	1444	12 Volt Reference	I	-
10	0.35	RD/YE	3040	Battery Positive Voltage	I	-

S70R Steering Wheel Controls Switch - Right



Connector Part Information

Harness Type: Steering Wheel
OEM Connector: 13582767
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 0.64 Micro-Quadlock Series (BK)

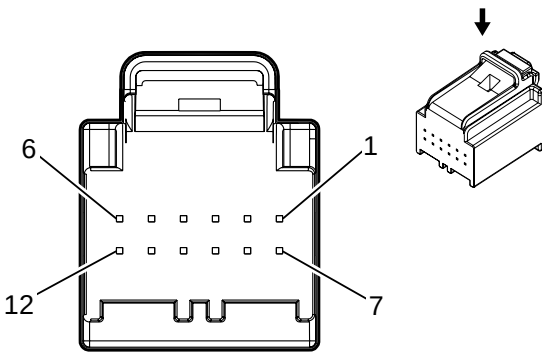
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

S70R Steering Wheel Controls Switch - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BN	6136	Supply Voltage	I	-W1Y
	0.35	YE	6817	LED Backlight Dimming Control		W1Y
2	0.35	WH/RD	1444	12 Volt Reference	I	-W1Y
3	0.35	L-GN/BK	3894	Local Interconnect Network Bus 12	I	-
4	0.35	L-GN	6818	Steering Wheel Resistor Ladder Signal #1	I	-W1Y
5	0.35	RD/YE	3040	Battery Positive Voltage	I	-
6	0.35	BK	2050	Ground	I	-
7	.75	L-BU	4315	Radio Volume Up Signal	I	W1Y
8	0.75	GY/BN	4314	Radio Volume Down Signal	I	W1Y
9	0.35	WH/YE	4313	Radio Favorite Forward Signal	I	W1Y
10	0.35	YE/L-BU	4312	Radio Favorite Back Signal	I	W1Y

S77 Transfer Case Shift Control Switch (NQ6/NQ7)



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 31410-1121
Service Connector: 19151154
Description: 12-Way F 64 Series, Sealed (GY)

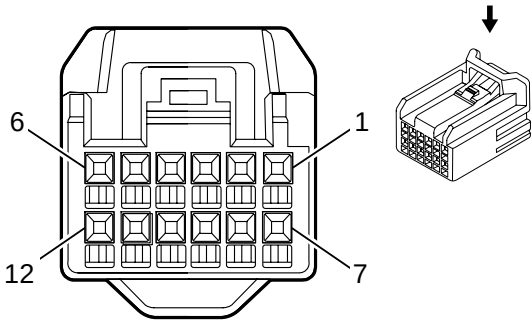
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575845	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

S77 Transfer Case Shift Control Switch (NQ6/NQ7)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	-	-	-	Not Occupied	-	-
2	0.5	VT/BN	300	Run Ignition 3 Voltage	I	-
3	0.35	BN	1560	Neutral Indicator Control	I	-
4	0.35	WH	6816	Indicator Dimming Control	I	-
5	0.35	YE	6817	LED Backlight Dimming Control	I	-
6	0.5	BK	2050	Ground	I	-
7	0.35	GY/L-GN	1561	AWD Indicator Control	I	-
8	0.35	L-GN/BK	1563	2 HI Indicator Control	I	-
9	0.35	BN/BK	1566	4 HI Indicator Control	I	-
10	0.35	VT/WH	1565	4 LO Indicator Control	I	-
11	0.35	GY/RD	6029	Four Wheel Drive Mode Switch 5 Volt Reference	I	-
12	0.35	L-BU/YE	1693	Four Wheel Drive Switch Signal	I	-

S78 Turn Signal/Multifunction Switch



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: SHC2PB-12-2AK
Service Connector: 13576635
Description: 12-Way F 0.64 Series (BK)

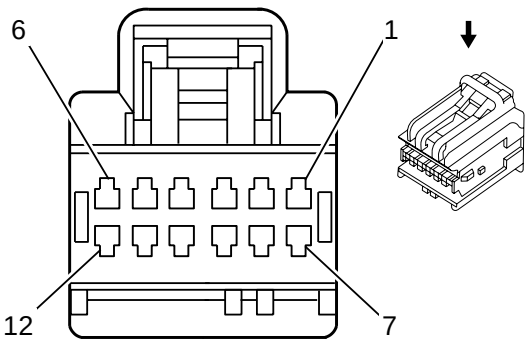
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575870	J-35616-35 (VT)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

S78 Turn Signal/Multifunction Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/L-GN	663	Hazard Switch Left Turn Signal	I	-
2	0.35	WH	524	Headlamp Dimmer Switch High Beam Signal	I	-
3	0.35	BK/WH	2151	Signal Ground	I	-
4	0.35	YE/BN	307	Headlamp Switch Flash To Pass Signal	I	-
5	0.35	GY/L-BU	893	Driver Information Center Select Menu Switch Signal	I	-
6	0.35	BK/BN	897	Driver Information Center Switch Low Reference	I	-
7	0.35	VT/L-BU	664	Hazard Switch Right Turn Signal	I	-
8-11	-	-	-	Not Occupied	-	-
12	0.35	L-GN/WH	1358	Driver Information Center Switch Signal	I	-

S79D Window Switch - Driver (AXG)



Connector Part Information

Harness Type: Driver Door
OEM Connector: 31410-1120
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way F 0.64 Series, Sealed (BK)

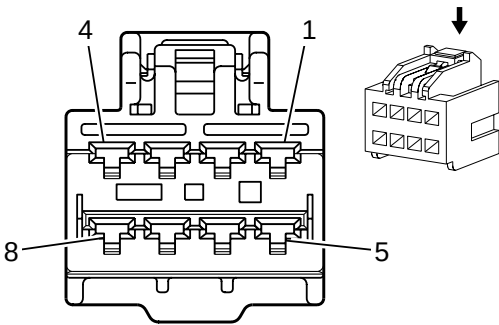
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

S79D Window Switch - Driver (AXG)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	3550	Ground	I	-
2	0.35	L-GN/VT	7628	Power Window Motor Left Front Express Control	I	-
3	0.35	GY	1136	Power Window Master Switch Left Front Down Signal	I	-
4	0.5	RD/VT	1940	Battery Positive Voltage	I	-
5	0.5	L-GN/YE	6134	Linear Interconnect Network Bus 3	I	-
6	0.35	L-GN/WH	1300	Power Window Master Switch Left Front Up Signal	I	-
7	0.35	WH/VT	3270	Driver Door Lock Motor Status	I	-
8	0.35	L-BU/VT	1124	Door Lock Key Switch Unlock Signal	I	-
9	-	-	-	Not Occupied	-	-
10	0.35	YE/BN	3265	Child Security Lock Switch Signal	I	-
11	0.35	WH	6816	Indicator Dimming Control	I	-
12	0.35	GY	5697	Child Lockout Indicator	I	-

S79LR Window Switch - Left Rear (Crew Cab with AXG)



Connector Part Information

Harness Type: Left Rear Door
OEM Connector: 6098-4713
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 2.8 Series (BK)

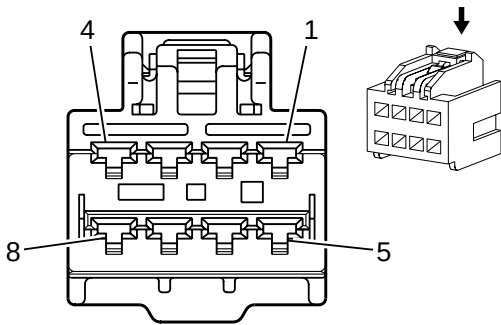
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

S79LR Window Switch - Left Rear (Crew Cab with AXG)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN/GY	6135	Linear Interconnect Network Bus 4	I	-
2	0.35	GY	747	Left Rear Door Ajar Switch Signal	I	-
3	0.35	BK	3350	Ground	I	-
4	-	-	-	Not Occupied	-	-
5	2.5	BK	3350	Ground	I	-
6	2.5	L-BU/VT	668	Power Window Motor Left Rear Up Control	I	-
7	2.5	YE/L-BU	669	Power Window Motor Left Rear Down Control	I	-
8	2.5	RD/L-BU	1240	Battery Positive Voltage	I	-

S79P Window Switch - Passenger (AXG)



Connector Part Information

Harness Type: Passenger Door
OEM Connector: 6098-4713
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 2.8 Series (BK)

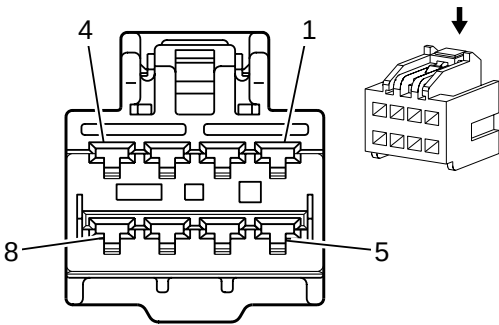
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

S79P Window Switch - Passenger (AXG)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	BK	3650	Ground	I	-
2	2.5	L-GN/GY	3387	Power Window Motor Co-Driver Up Control	I	-
3	2.5	YE/L-BU	3388	Power Window Motor Co-Driver Down Control	I	-
4	2.5	RD/WH	1340	Battery Positive Voltage	I	-
5	0.5	L-GN/YE	6134	Linear Interconnect Network Bus 3	I	-
6-7	-	-	-	Not Occupied	-	-
8	0.35	GY	746	Right Front Door Ajar Switch Signal	I	-

S79RR Window Switch - Right Rear (Crew Cab with AXG)



Connector Part Information

Harness Type: Right Rear Door
OEM Connector: 6098-4713
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 2.8 Series (BK)

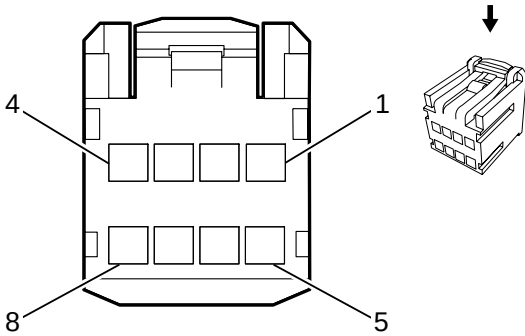
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

S79RR Window Switch - Right Rear (Crew Cab with AXG)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN/GY	6135	Linear Interconnect Network Bus 4	I	-
2	0.35	GY	748	Right Rear Door Ajar Switch Signal	I	-
3-4	-	-	-	Not Occupied	-	-
5	2.5	BK	3450	Ground	I	-
6	2.5	L-BU/GY	670	Power Window Motor Right Rear Up Control	I	-
7	2.5	L-GN/BK	671	Power Window Motor Right Rear Down Control	I	-
8	2.5	RD/WH	1340	Battery Positive Voltage	I	-

S82 Windshield Wiper/Washer Switch



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: HCMDPB-08-K
Service Connector: 13576541
Description: 8-Way F 1.2 HCM Series (BK)

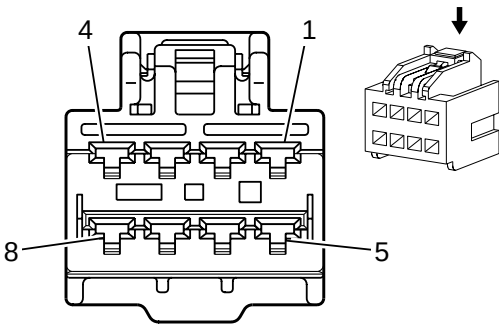
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

S82 Windshield Wiper/Washer Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY	1715	Windshield Wiper Switch High Signal	I	-
2	0.35	BK/GY	6009	Windshield Wiper Switch Low Reference	I	-
3	0.35	YE/L-BU	1714	Windshield Wiper Switch Low Signal	I	-
4	-	-	-	Not Occupied	-	-
5	0.35	WH/BK	94	Windshield Washer Switch Signal	I	-
6-8	-	-	-	Not Occupied	-	-

T3 Audio Amplifier X1 (UQA)



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 6098-4713
Service Connector: 13580111
Description: 8-Way F 2.8 Series (BK)

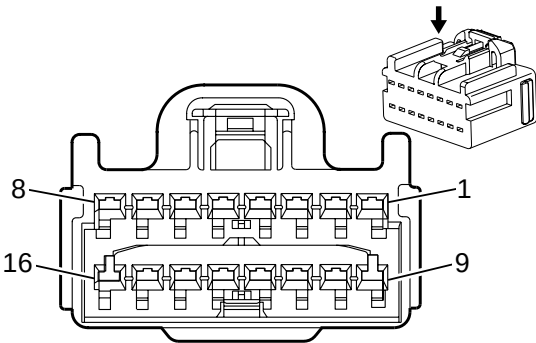
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

T3 Audio Amplifier X1 (UQA)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	YE	200	Right Front Speaker (+) (1)	I	-
2	-	-	-	Not Occupied	-	-
3	1	L-BU	201	Left Front Speaker (+) (1)	I	-
4	2.5	RD/YE	3740	Battery Positive Voltage	I	-
5	1	YE/BK	117	Right Front Speaker Signal (-) (1)	I	-
6	-	-	-	Not Occupied	-	-
7	1	BN/L-BU	118	Left Front Speaker Signal (-) (1)	I	-
8	2.5	BK/WH	2251	Signal Ground	I	-

T3 Audio Amplifier X2 (UQA)



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 7283-6453-60
Service Connector: 89047090
Description: 16-Way F 1.5 Kaizen Series (GN)

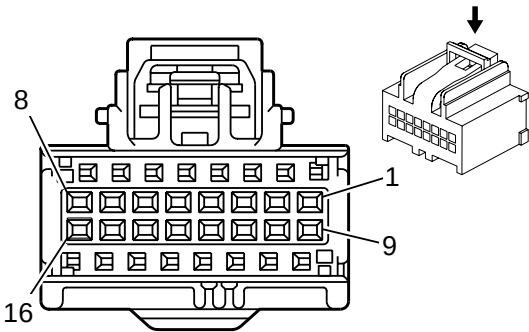
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575829	J-35616-2A (GY)	J-38125-11A	Not Available	Not Available	Not Available	Not Available

T3 Audio Amplifier X2 (UQA)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-2	-	-	-	Not Occupied	-	-
3	0.75	YE/WH	1860	Front Center Speaker (+)	I	-
4	0.75	YE	200	Right Front Speaker (+) (1)	I	-
5	0.75	L-BU	201	Left Front Speaker (+) (1)	I	-
6	1	WH	46	Right Rear Speaker (+)	I	-
7	1	L-GN	199	Left Rear Speaker (+)	I	-
8-10	-	-	-	Not Occupied	-	-
11	0.75	L-BU/YE	1960	Front Center Speaker (-)	I	-
12	0.75	YE/BK	117	Right Front Speaker Signal (-) (1)	I	-
13	0.75	BN/L-BU	118	Left Front Speaker Signal (-) (1)	I	-
14	1	L-BU/BK	115	Right Rear Speaker Signal (-)	I	-
15	1	L-GN/BK	116	Left Rear Speaker Signal (-)	I	-
16	-	-	-	Not Occupied	-	-

T3 Audio Amplifier X3 (UQA)



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 7283-9076-30
Service Connector: 15136073
Description: 16-Way F Kaizen 64 Series (BK)

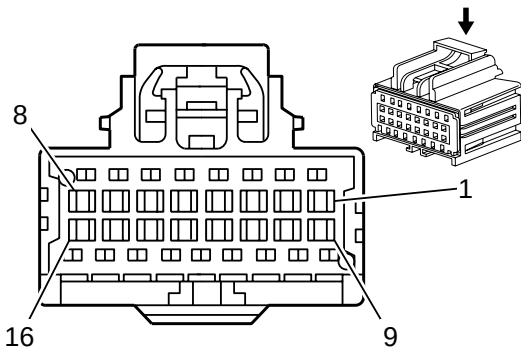
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	19303553	J-35616-64B (L-BU)	J-38125-11A	Not Available	Not Available	Not Available	Not Available

T3 Audio Amplifier X3 (UQA)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	L-GN	5060	Low Speed GMLAN Serial Data	I	-
2-16	-	-	-	Not Occupied	-	-

T3 Audio Amplifier X4 (UQA)



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 7283-9078-80
Service Connector: 15136074
Description: 16-Way F 0.64 Kaizen Series (BN)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575845	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

T3 Audio Amplifier X4 (UQA)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-2	-	-	-	Not Occupied	-	-
3	0.5	WH/L-GN	3997	MOST Serial Data (-)	I	-
4	0.5	GY/VT	3998	MOST Serial Data (+)	I	-
5	0.5	WH/L-GN	3997	MOST Serial Data (-)	I	-
6	0.5	GY/VT	3998	MOST Serial Data (+)	I	-
7-13	-	-	-	Not Occupied	-	-
14	0.35	WH/VT	3999	MOST Control	I	-
15-16	-	-	-	Not Occupied	-	-

T4G Cellular Phone, Navigation, and Digital Radio Antenna (UE1)

Connector Part Information

Harness Type: Body COAX
OEM Connector: COAX
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (VT)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

T4G Cellular Phone, Navigation, and Digital Radio Antenna (UE1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
-	-	COAX	-	(GPS/Cell) Coaxial Antenna Cell/GPS combined Signal	I	-

T4H Digital Radio Antenna (U2M)

Connector Part Information

Harness Type: Body COAX
OEM Connector: COAX
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (VT)

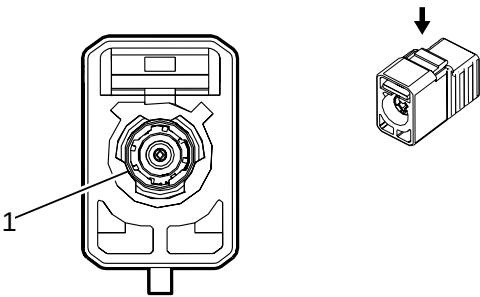
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

T4H Digital Radio Antenna (U2M)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
-	-	COAX	-	(XM +/-HD) Coaxial Antenna XM Signal	I	-

T4M Radio Antenna (Without U2M)



Connector Part Information

Harness Type: Body COAX
OEM Connector: 13581685
Service Connector: Service by Cable Assembly - See Part Catalog
Description: 2-Way F Coax Type (BK)

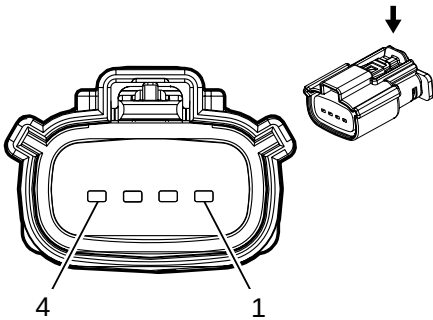
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

T4M Radio Antenna (Without U2M)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
-	-	COAX	-	(AM/FM) Antenna RF Signal	I	-

T8A Ignition Coil 1 (LCV)



Connector Part Information

Harness Type: Engine
OEM Connector: 33471-0461
Service Connector: 19299695
Description: 4-Way F 1.5 Series, Sealed (BK)

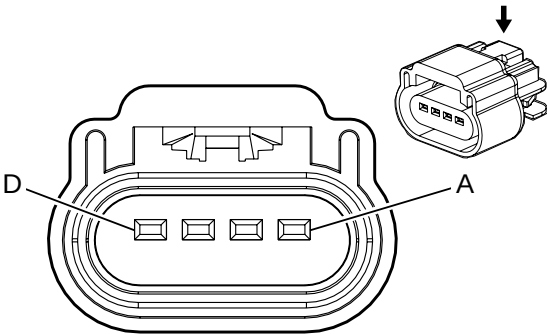
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

T8A Ignition Coil 1 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BK	1450	Ground	I	-
2	0.5	BK/L-BU	2129	Ignition Control Low Reference Bank 1	I	-
3	0.5	L-BU/VT	2121	Ignition Control (1)	I	-
4	1	VT/L-BU	5291	Powertrain Main Relay Fused Supply (2)	I	-

T8A Ignition Coil 1 (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 15466325
Service Connector: 13585847
Description: 4-Way F 150 GT Series, Sealed (BK)

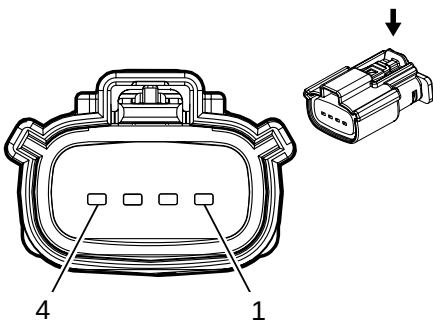
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

T8A Ignition Coil 1 (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1	BK	1450	Ground	I	-
B	0.5	BK/L-BU	2129	Ignition Control Low Reference Bank 1	II	-
C	0.5	L-BU/VT	2121	Ignition Control (1)	II	-
D	1	VT/L-BU	5291	Powertrain Main Relay Fused Supply (2)	I	-

T8B Ignition Coil 2 (LCV)



Connector Part Information

Harness Type: Engine
OEM Connector: 33471-0461
Service Connector: 19299695
Description: 4-Way F 1.5 Series, Sealed (BK)

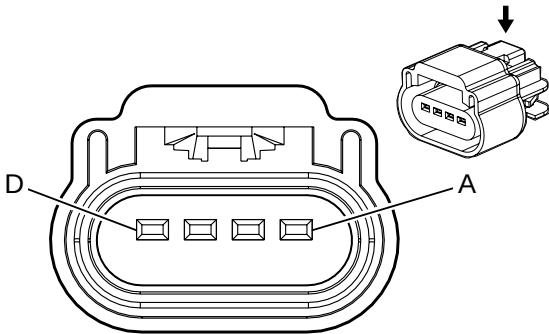
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

T8B Ignition Coil 2 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BK	1450	Ground	I	-
2	0.5	BK/L-BU	2129	Ignition Control Low Reference Bank 1	I	-
3	0.5	L-BU/WH	2122	Ignition Control (2)	I	-
4	1	VT/L-BU	5291	Powertrain Main Relay Fused Supply (2)	I	-

T8B Ignition Coil 2 (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 15466325
Service Connector: 13585847
Description: 4-Way F 150 GT Series, Sealed (BK)

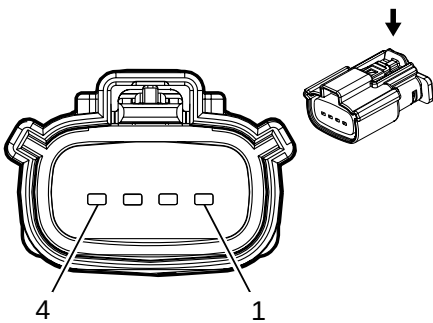
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

T8B Ignition Coil 2 (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1	BK	1550	Ground	I	-
B	0.5	BK/GY	2130	Ignition Control Low Reference Bank 2	II	-
C	0.5	L-BU/WH	2122	Ignition Control (2)	II	-
D	1	VT/L-BU	5292	Powertrain Main Relay Fused Supply (3)	I	-

T8C Ignition Coil 3 (LCV)



Connector Part Information

Harness Type: Engine
OEM Connector: 33471-0461
Service Connector: 19299695
Description: 4-Way F 1.5 Series, Sealed (BK)

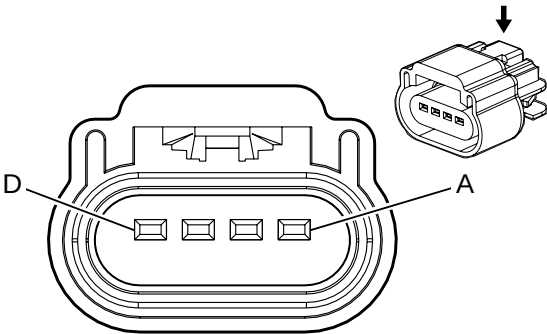
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

T8C Ignition Coil 3 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BK	1450	Ground	I	-
2	0.5	BK/L-BU	2129	Ignition Control Low Reference Bank 1	I	-
3	0.5	L-GN/L-BU	2123	Ignition Control (3)	I	-
4	1	VT/L-BU	5291	Powertrain Main Relay Fused Supply (2)	I	-

T8C Ignition Coil 3 (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 15466325
Service Connector: 13585847
Description: 4-Way F 150 GT Series, Sealed (BK)

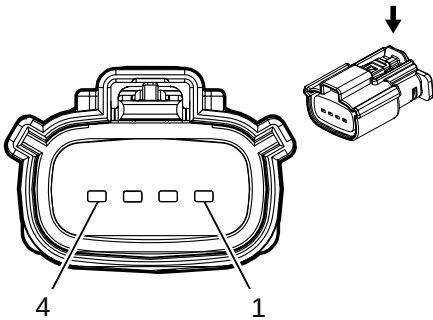
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

T8C Ignition Coil 3 (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1	BK	1450	Ground	I	-
B	0.5	BK/L-BU	2129	Ignition Control Low Reference Bank 1	II	-
C	0.5	L-GN/L-BU	2123	Ignition Control (3)	II	-
D	1	VT/L-BU	5291	Powertrain Main Relay Fused Supply (2)	I	-

T8D Ignition Coil 4 (LCV)



Connector Part Information

Harness Type: Engine
OEM Connector: 33471-0461
Service Connector: 19299695
Description: 4-Way F 1.5 Series, Sealed (BK)

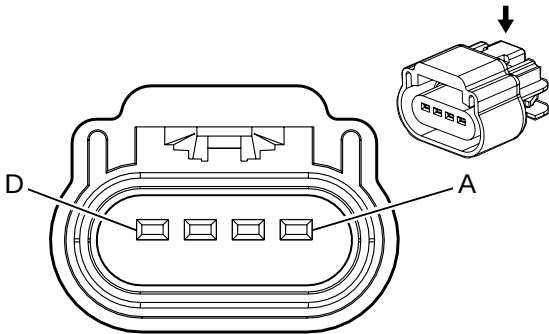
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

T8D Ignition Coil 4 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BK	1450	Ground	I	-
2	0.5	BK/L-BU	2129	Ignition Control Low Reference Bank 1	I	-
3	0.5	YE/L-BU	2124	Ignition Control (4)	I	-
4	1	VT/L-BU	5291	Powertrain Main Relay Fused Supply (2)	I	-

T8D Ignition Coil 4 (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 15466325
Service Connector: 13585847
Description: 4-Way F 150 GT Series, Sealed (BK)

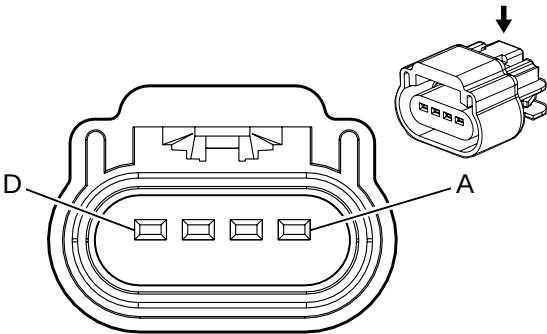
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

T8D Ignition Coil 4 (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1	BK	1550	Ground	I	-
B	0.5	BK/GY	2130	Ignition Control Low Reference Bank 2	II	-
C	0.5	YE/L-BU	2124	Ignition Control (4)	II	-
D	1	VT/L-BU	5292	Powertrain Main Relay Fused Supply (3)	I	-

T8E Ignition Coil 5 (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 15466325
Service Connector: 13585847
Description: 4-Way F 150 GT Series, Sealed (BK)

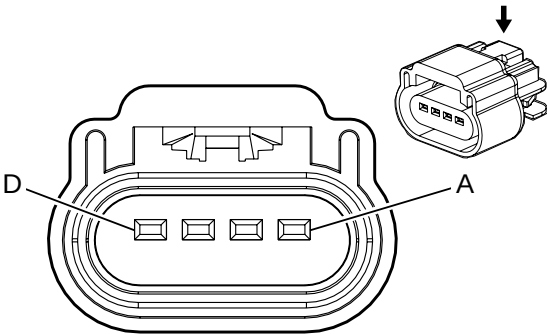
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

T8E Ignition Coil 5 (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1	BK	1450	Ground	I	-
B	0.5	BK/L-BU	2129	Ignition Control Low Reference Bank 1	II	-
C	0.5	L-BU/GY	2125	Ignition Control (5)	II	-
D	1	VT/L-BU	5291	Powertrain Main Relay Fused Supply (2)	I	-

T8F Ignition Coil 6 (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 15466325
Service Connector: 13585847
Description: 4-Way F 150 GT Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

T8F Ignition Coil 6 (LFX)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1	BK	1550	Ground	I	-
B	0.5	BK/GY	2130	Ignition Control Low Reference Bank 2	II	-
C	0.5	BN/L-BU	2126	Ignition Control (6)	II	-
D	1	VT/L-BU	5292	Powertrain Main Relay Fused Supply (3)	I	-

T15 Navigation Antenna Signal Splitter X1 (IO6)

Connector Part Information

Harness Type: Body COAX
OEM Connector: COAX
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

T15 Navigation Antenna Signal Splitter X1 (IO6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
-	-	COAX	-	(GPS/Cell) Coaxial Antenna Cell/GPS combined Signal	I	-

T15 Navigation Antenna Signal Splitter X2 (IO6)

Connector Part Information

Harness Type: Body COAX
OEM Connector: COAX
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (PK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

T15 Navigation Antenna Signal Splitter X2 (IO6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
-	-	COAX	-	(GPS/Cell) Coaxial Antenna Cell/GPS combined Signal	I	-

T15 Navigation Antenna Signal Splitter X3 (IO6)

Connector Part Information

Harness Type: Body COAX
OEM Connector: COAX
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (BU)

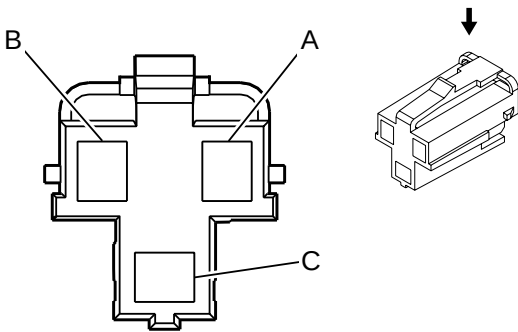
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

T15 Navigation Antenna Signal Splitter X3 (IO6)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
-	-	COAX	-	(GPS only) Coaxial Antenna GPS Signal	I	-

X80A Accessory Power Receptacle - Center Console 1



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 12176836
Service Connector: 19257374
Description: 3-Way F 280 Metri Pack Series (GY)
Harness Type: Console
OEM Connector: 12176836
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 280 Metri Pack Series (GY)

Terminal Part Information

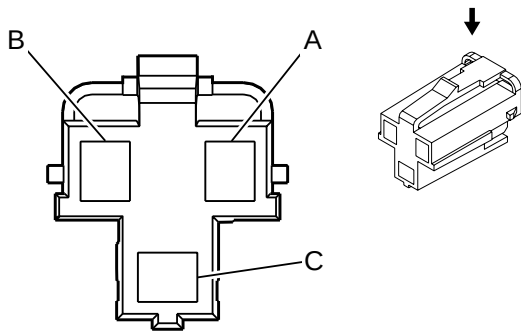
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

X80A Accessory Power Receptacle - Center Console 1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	VT	1701	Retained Accessory Power Fuse Supply Voltage	I	-
B	-	-	-	Not Occupied	-	-
C	1.5	BK	2050	Ground	I	-

cardiagn.com

X80B Accessory Power Receptacle - Center Console 2



Connector Part Information

Harness Type: Console
OEM Connector: 12176836
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 280 Metri Pack Series (GY)

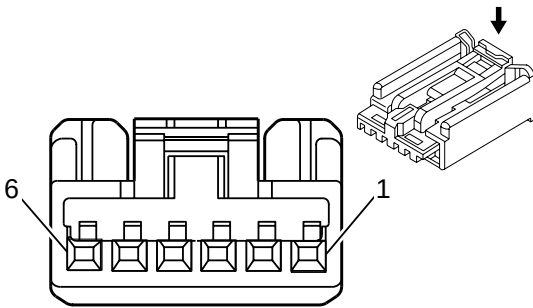
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

X80B Accessory Power Receptacle - Center Console 2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	VT	2101	Retained Accessory Power Fuse Supply Voltage	I	-
B	-	-	-	Not Occupied	-	-
C	1.5	BK	2050	Ground	I	-

X83 Auxiliary Audio Input X1



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: AIT2PB-06-1AK
Service Connector: 19167753
Description: 6-Way F 0.64 Kaizen Series (BK)
Harness Type: Console
OEM Connector: AIT2PB-06-1AK
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Kaizen Series (BK)

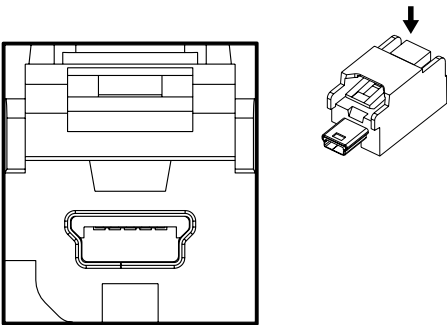
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

X83 Auxiliary Audio Input X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY	5839	Left Auxiliary Audio Signal (2)	I	-
2	0.35	L-GN	5841	Right Auxiliary Audio Signal (2)	I	-
3	0.35	VT	5843	Auxiliary Audio Common Signal	I	-
4	0.35	BK/WH	2051	Signal Ground	I	-
5	0.35	L-BU	2060	Auxiliary Detection Signal	I	-
6	0.5	RD/VT	340	Battery Positive Voltage	I	-

X83 Auxiliary Audio Input X2



Connector Part Information

Harness Type: Console
OEM Connector: 13584747
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini B USB Type (GY)

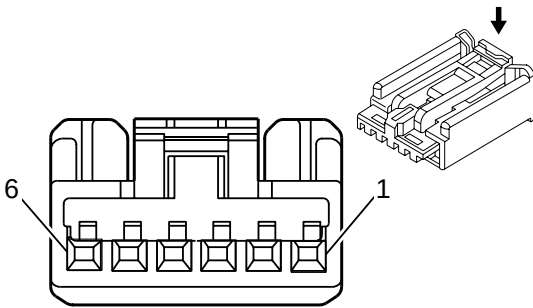
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X83 Auxiliary Audio Input X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	RD	3149	USB Serial Data Supply Voltage	I	-
2	0.35	WH	3147	USB D (-) Serial Data	I	-
3	0.35	L-GN	3146	USB D (+) Serial Data	I	-
4	0.35	BK	3148	USB Serial Data Low Reference	I	-
5	0.35	BARE	3145	USB Serial Data Drain Wire	I	-

X83R Auxiliary Audio Input - Rear X1 (IO4/IO5/IO6 with MYB)



Connector Part Information

Harness Type: Console
OEM Connector: AIT2PB-06-1AK
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Kaizen Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

X83R Auxiliary Audio Input - Rear X1 (IO4/IO5/IO6 with MYB)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-3	-	-	-	Not Occupied	-	-
4	0.35	BK/WH	2051	Signal Ground	I	-
5	-	-	-	Not Occupied	-	-
6	0.5	RD/VT	340	Battery Positive Voltage	I	-

X83R Auxiliary Audio Input - Rear X2 (IO4/IO5/IO6 with MYB)

Connector Part Information

Harness Type: Console USB
OEM Connector: 13580213
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way F 2.0 Mini B USB Type (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X83R Auxiliary Audio Input - Rear X2 (IO4/IO5/IO6 with MYB)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
-	-	USB	-	USB Serial Data	I	-

X83R Auxiliary Audio Input - Rear X3 (IO4/IO5/IO6 with MYB)

Connector Part Information

Harness Type: Console USB
OEM Connector: 13580212
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini B USB Type (GY)

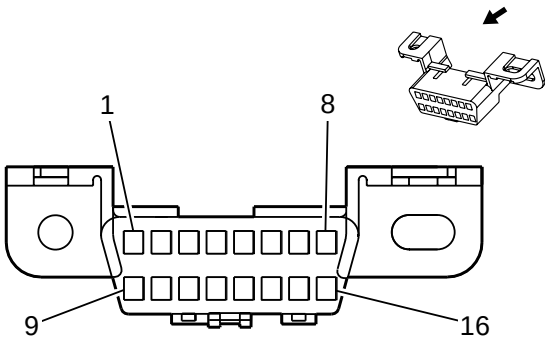
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X83R Auxiliary Audio Input - Rear X3 (IO4/IO5/IO6 with MYB)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
-	-	USB	-	USB Serial Data	I	-

X84 Data Link Connector



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 12110250
Service Connector: 12110250
Description: 16-Way F 150 Metri Pack Series (BK)

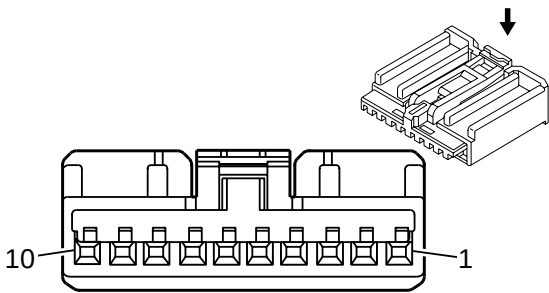
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575725	J-35616-14 (GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

X84 Data Link Connector

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
2-3	-	-	-	Not Occupied	-	-
4	0.5	BK	2050	Ground	I	-
5	0.75	BK/WH	2151	Signal Ground	I	-
6	0.35	L-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
7-11	-	-	-	Not Occupied	-	-
12	0.5	L-BU/YE	6105	High Speed GMLAN Serial Data (+) (2)	I	-
13	0.5	WH	6106	High Speed GMLAN Serial Data (-) (2)	I	-
14	0.35	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
15	-	-	-	Not Occupied	-	-
16	0.5	RD/WH	640	Battery Positive Voltage	I	-

X85 Steering Wheel Air Bag Coil X1



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 15269795
Service Connector: 13576634
Description: 10-Way F 0.64 Kaizen Series (BK)

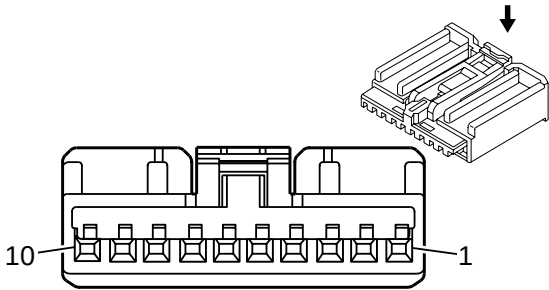
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X85 Steering Wheel Air Bag Coil X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	RD/YE	3040	Battery Positive Voltage	I	-
2	0.5	L-GN/BK	3894	Local Interconnect Network Bus 12	I	W1Y
3	-	-	-	Not Occupied	-	-
4	0.35	GY/OG	5737	Adaptive Cruise Control Gap Up/Down Switch Signal	I	UEU
5	0.35	BN	6136	Supply Voltage	I	-
6	0.35	WH/RD	1444	12 Volt Reference	I	-
7	0.35	L-GN	6818	Steering Wheel Resistor Ladder Signal #1	I	-W1Y
8	0.35	BN/YE	1884	Cruise Control Set/Coast/Resume/Accelerate Switch	I	-
9	0.5	BK	2050	Ground	I	-
10	0.35	L-GN/WH	3287	Bat	I	-

X85 Steering Wheel Air Bag Coil X2



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: AIT2PB-10-1AK
Service Connector: 13576634
Description: 10-Way F 0.64 Kaizen Series (BK)

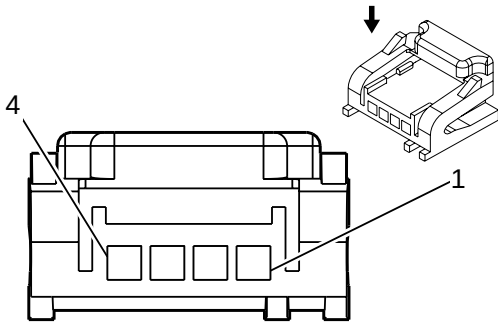
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

X85 Steering Wheel Air Bag Coil X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	L-GN/WH	3287	Horn Switch Signal	I	-
2	0.5	BK	2050	Ground	I	-
3	0.35	BN/L-GN	1884	Cruise Control Set/Coast/Resume/Accelerate Switch Signal	I	-
4	0.35	L-GN	6818	Steering Wheel Resistor Ladder Signal #1	I	-
5	0.35	WH/RD	1444	12 Volt Reference	I	-
6	0.35	BN	6136	Supply Voltage	I	-
7	0.35	GY/L-GN	5737	Adaptive Cruise Control Gap Up/Down Switch Signal	I	-
8	-	-	-	Not Occupied	-	-
9	0.5	L-GN/BK	3894	Linear Interconnect Network Bus 12	I	-
10	0.35	RD/YE	3040	Battery Positive Voltage	I	-

X85 Steering Wheel Air Bag Coil X3



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 15393421
Service Connector: 13580115
Description: 4-Way F 0.64 Micro Pack Series (YE)

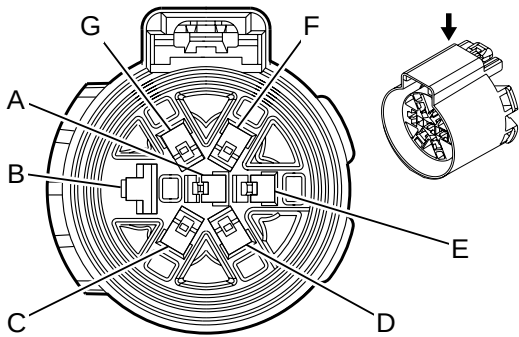
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

X85 Steering Wheel Air Bag Coil X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/OG	3022	Steering Wheel Module Stage 2 Low Control	I	-
2	0.35	OG/L-GN	3023	Steering Wheel Module Stage 2 High Control	I	-
3	0.35	BN/OG	3020	Steering Wheel Module Stage 1 Low Control	I	-
4	0.35	OG/VT	3021	Steering Wheel Module Stage 1 High Control	I	-

X88 Trailer Connector (Z82)



Connector Part Information

Harness Type: Chassis
OEM Connector: 13583072
Service Connector: 13583927
Description: 7-Way F 280 Metri Pack, 630 Series, Sealed (BK)

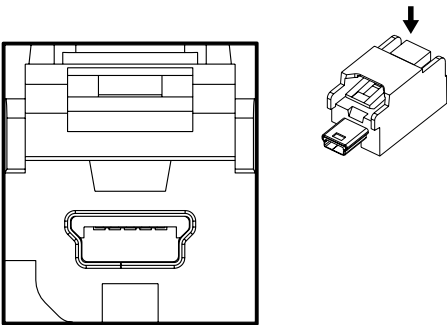
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

X88 Trailer Connector (Z82)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	GY	1624	Trailer Backup Lamp Supply Voltage	I	-
B	6	BK	22	Trailer Ground	I	-
C	2.5	L-BU	47	Trailer Auxiliary Supply Voltage	I	-
D	0.75	L-GN	1619	Right Rear Trailer Stop/Turn Lamp Supply Voltage	I	-
E	4	OG	742	Battery Positive Voltage	I	-
F	1.5	BN	2109	Trailer Park Lamp Supply Voltage	I	-
G	0.75	YE	1618	Left Rear Trailer Stop/Turn Lamp Supply Voltage	I	-

X92 USB Receptacle



Connector Part Information

Harness Type: Console USB
OEM Connector: 13584747
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini B USB Type (GY)

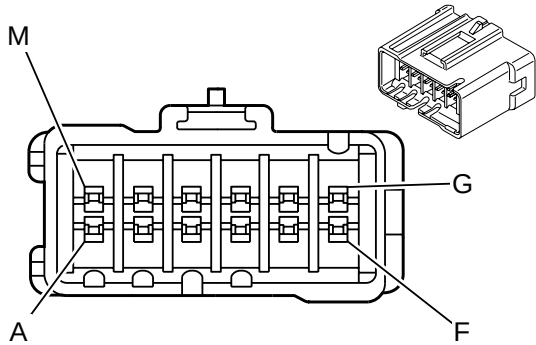
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X92 USB Receptacle

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
-	-	USB	-	USB Serial Data	I	-

JX200 Instrument Panel Harness



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 15305291
Service Connector: 15305291
Description: 12-Way F 280 Metri Pack Series (BK)

Terminal Part Information

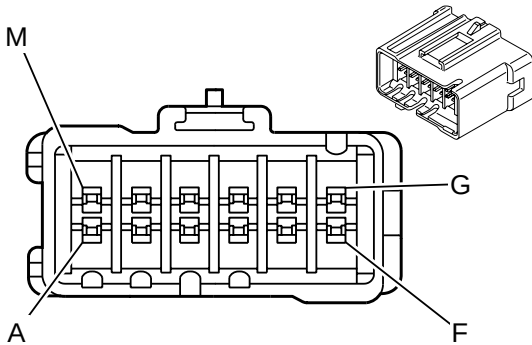
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575719	J-35616-4A (PU)	J-38125-553	12110844	4	E	A

JX200 Instrument Panel Harness

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
B	0.75	L-GN	5060	Low Speed GMLAN Serial Data	I	UQA
C	-	-	-	Not Occupied	-	-
D	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
E	0.35	L-GN	5060	Low Speed GMLAN Serial Data	I	-
F	-	-	-	Not Occupied	-	-
G	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
H	-	-	-	Not Occupied	-	-
J	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
K	0.35	L-GN	5060	Low Speed GMLAN Serial Data	I	-
L	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
M	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-

cardiagn.com

JX201 Instrument Panel Harness



Connector Part Information

Harness Type: Body
OEM Connector: 15305291
Service Connector: 15305291
Description: 12-Way F 280 Metri Pack Series (BK)

Terminal Part Information

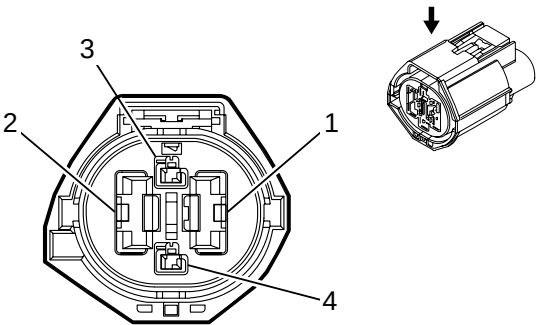
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575719	J-35616-4A (PU)	J-38125-553	12110844	4	E	A

JX201 Instrument Panel Harness

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
B	-	-	-	Not Occupied	-	-
C	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
D-E	-	-	-	Not Occupied	-	-
F	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
G-H	-	-	-	Not Occupied	-	-
J	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	UFL/UEU
K-M	-	-	-	Not Occupied	-	-

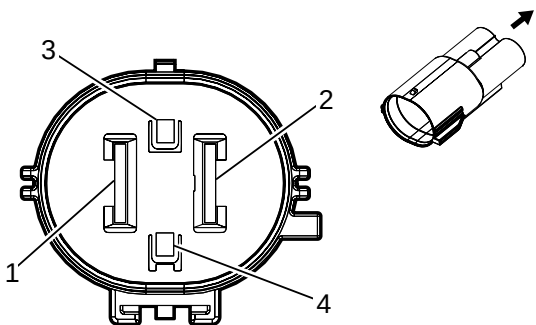
cardiagn.com

X100 Electric Power Steering Harness to Battery Negative Harness



Connector Part Information

Harness Type: Battery Negative
OEM Connector: 19181807
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 1.5, 9.5 Series, Sealed (BN)



Connector Part Information

Harness Type: Electric Power Steering
OEM Connector: 7286-1399-80
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way M 1.5, 9.5 Series, Sealed (BN)

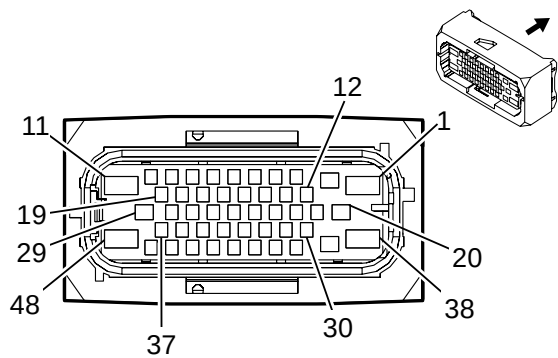
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

X100 Electric Power Steering Harness to Battery Negative Harness

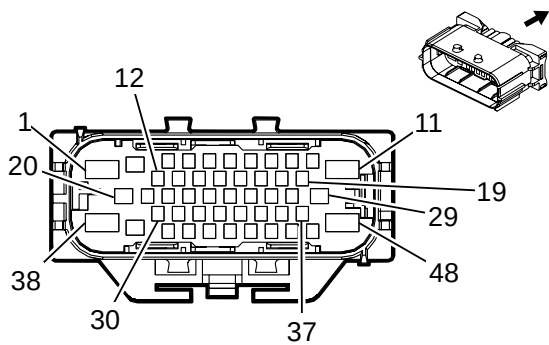
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	10	RD/VT	842	I	-	Battery Positive Voltage	1	10	RD/VT	842	II	-
2	10	BK	1050	I	-	Ground	2	10	BK	1050	II	-
3-4	-	-	-	-	-	Not Occupied	3-4	-	-	-	-	-

X101 Engine Harness to Body Harness



Connector Part Information

Harness Type: Engine
OEM Connector: 15509585
Service Connector: 19329744
Description: 48-Way F 1.5 MCP, 2.8 JPT, 6.3 MCP Series, Sealed (BK)



Connector Part Information

Harness Type: Body
OEM Connector: 15513438
Service Connector: 19329745
Description: 48-Way M 1.6, 2.8, 5.8 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	19119560	J-35616-40 (BU)	J-38125-556	Not Available	Not Available	Not Available	Not Available
II	19301776	J-35616-14 (GN)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
III	19328630	J-35616-40 (BU)	J-38125-556	Not Available	Not Available	Not Available	Not Available
IV	13580821	J-35616-4A (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
V	13580830	J-35616-35 (VT)	J-38125-36	4-964286-1	16	E	1
VI	19119379	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
VII	19119381	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
VIII	19119377	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
IX	13580829	J-35616-4A (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
X	13580830	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
XI	19119926	J-35616-42 (RD)	J-38125-36	Not Available	Not Available	Not Available	Not Available
XII	13327190	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
XIII	19329750	J-35616-42 (RD)	J-38125-36	Not Available	Not Available	Not Available	Not Available
XIV	13578881	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
XV	13581368	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available

X101 Engine Harness to Body Harness

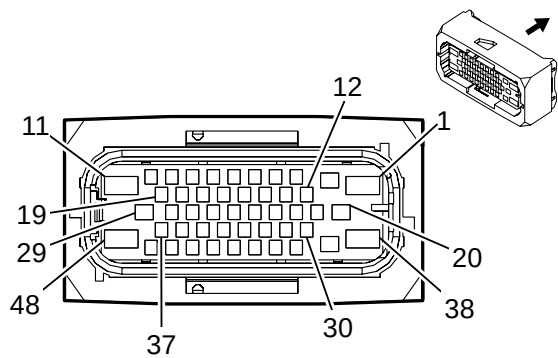
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	YE/VT	1553	I	NQ6/NQ7	Transfer Case Motor Counter Clockwise	1	2.5	YE/VT	1553	XI	NQ6/NQ7

						Counter Clockwise Control						
2	2.5	BN/VT	1470	IX	-	Brake Booster Pump Motor Supply Voltage	2	2.5	BN/VT	1470	XIV	-
3	0.75	VT/GY	139	II	-	Run/Crank Ignition 1 Voltage	3	0.75	VT/GY	139	XII	-
4	0.5	WH/L-GN	7475	II	NQ6/NQ7	Incremental Encoder Sensor (8V) Supply	4	0.5	WH/L-GN	7475	XII	NQ6/NQ7
5	0.5	WH/L-BU	6311	II	-	Cruise/ETC/TCC Brake Signal	5	0.5	WH/L-BU	6311	XII	-
6	0.5	BK/VT	1272	II	-	Accelerator Pedal Position Low Reference (2)	6	0.5	BK/VT	1272	XII	-
7	0.5	BN/WH	419	II	-	Check Engine Indicator Control	7	0.5	BN/WH	419	XII	-
8	0.5	BN/RD	1274	II	-	Accelerator Pedal Position 5 Volt Reference (2)	8	0.5	BN/RD	1274	XII	-
9	0.5	YE	7474	II	NQ6/NQ7	Incremental Encoder Direction Signal	9	0.5	YE	7474	XII	NQ6/NQ7
10	0.75	L-BU/BN	7573	II	-	Electric Variable Displacement Supply	10	0.5	L-BU/BN	7573	XII	-
11	0.75	BK	1450	III	-	Ground	11	0.75	BK	1450	XIII	-
12	0.5	BK	1782	II	NQ6/NQ7	Drain Wire	12	0.5	BK	1782	XII	NQ6/NQ7
13	0.5	GY	5660	II	-	Fuel Pump Controller Data Out Signal	13	0.5	GY	5660	XII	-
14	0.5	WH/BK	2366	II	-	Cooling Fan Control Relay Speed Signal	14	0.5	WH/BK	2366	XII	-
15	0.5	L-BU/WH	890	II	-	Fuel Tank Pressure Sensor Signal	15	0.5	L-BU/WH	890	XII	-
16	0.5	YE/RD	2709	II	-	Fuel Tank Pressure Sensor 5 Volt Reference	16	0.5	YE/RD	2709	XII	-
17	0.5	BK/L-GN	6281	II	-	Fuel Level Sensor Low Reference	17	0.5	BK/L-GN	6281	XII	-
18	0.5	L-BU/VT	1589	II	-	Primary Fuel Level Sensor Signal	18	0.5	L-BU/VT	1589	XII	-
19	0.75	L-BU/YE	7574	II	-	Electric Variable Displacement Control	19	0.5	L-BU/YE	7574	XII	-
20	2.5	YE/BN	1569	IV	NQ6	Transfer Case Lock Solenoid Control	20	2.5	YE/BN	1569	XIV	NQ6
21	0.5	BK/YE	7447	II	-	Fuel Line Pressure Sensor Low Reference	21	0.5	BK/YE	7447	XII	-
22	0.5	L-BU/GY	7473	II	NQ6/NQ7	Incremental Encoder	22	0.5	L-BU/GY	7473	XII	NQ6/NQ7

22	0.5	L-BU/GY	7473	II	NQ6/NQ7	Incremental Encoder Impulse Signal	22	0.5	L-BU/GY	7473	XII	NQ6/NQ7
23	0.5	L-GN/WH	1162	II	-	Accelerator Pedal Position Signal (2)	23	0.5	L-GN/WH	1162	XII	-
24	0.5	BK/L-BU	1271	II	-	Accelerator Pedal Position Low Reference (1)	24	0.5	BK/L-BU	1271	XII	-
25	0.5	WH/RD	1164	II	-	Accelerator Pedal Position 5 Volt Reference (1)	25	0.5	WH/RD	1164	XII	-
26	0.5	WH	1310	II	-	EVAP Canister Vent Solenoid Control	26	0.5	WH	1310	XII	-
27	0.5	WH/RD	7477	II	-	Rotary Position Sensor Supply 5V	27	0.5	WH/RD	7477	XII	-
28	0.5	WH/L-GN	7479	II	-	Rotary Position Sensor Signal	28	0.5	WH/L-GN	7479	XII	-
29	0.5	YE/BK	7478	V	-	Rotary Position Sensor Return	29	0.5	YE/BK	7478	XV	-
30	0.5	BK/L-BU	61	II	-	Outside Ambient Temperature Sensor Low Reference	30	0.5	BK/L-BU	61	XII	-
31	0.5	L-BU/GY	636	II	-	Outside Ambient Air Temperature Sensor Signal	31	0.5	L-BU/GY	636	XII	-
32	0.5	YE/WH	1161	II	-	Accelerator Pedal Position Signal (1)	32	0.5	YE/WH	1161	XII	-
33	0.5 0.5	BK/YE BK/GY	5382 6110	II	LCV with MYB LCV with N8D	Brake Position Sensor Low Reference Clutch Apply Sensor Low Reference	33	0.5 0.5	BK/YE BK/GY	5382 6110	XII	LCV with MYB LCV with N8D
34	0.5 0.5	WH/L-GN YE	5380 6111	II	LCV with MYB LCV with N8D	Brake Position Sensor Signal Clutch Apply Sensor Signal	34	0.5 0.5	WH/L-GN YE	5380 6111	XII	LCV with MYB LCV with N8D
35	0.5 0.5	WH/RD GY/RD	5381 6109	II	LCV with MYB LCV with N8D	Brake Position Sensor 5 Volt Reference Clutch Apply Sensor Voltage Reference	35	0.5 0.5	WH/RD GY/RD	5381 6109	XII	LCV with MYB LCV with N8D
36	0.5	L-BU/YE	7493	II	LCV	High Speed GMLAN Serial Data (+)(3)	36	0.5	L-BU/BK	7493	XII	LCV
37	0.5	WH	7494	II	LCV	High Speed GMLAN Serial Data (-)(3)	37	0.5	WH	7494	XII	LCV
38	2.5	YE/GY	1552	I	NQ6/NQ7	Transfer Case Motor Clockwise Control	38	2.5	YE/GY	1552	XI	NQ6/NQ7
39	2.5	RD/GY	1342	IV	NQ6	Battery Positive Voltage	39	2.5	RD/GY	1342	XIV	NQ6
40	0.5	BK/L-BU	6813	II	LCV	Coolant Temperature	40	0.5	BK/L-BU	6813	XII	LCV

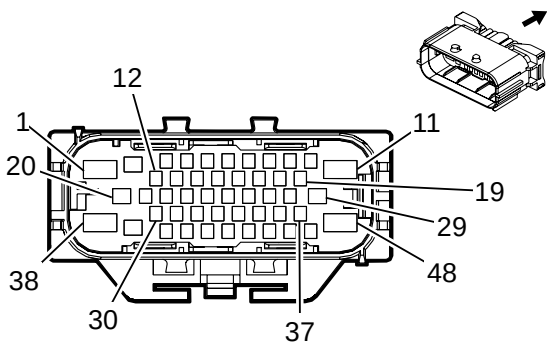
						S coolant Temperature Sensor #2 Low Reference							
41	0.5	YE/BK	3000	II	LCV	Coolant Temperature Sensor #2 Signal	41	0.5	YE/BK	3000	XII	LCV	
42	0.5	VT/YE	5985	II	-	Accessory Wakeup Serial Data	42	0.5	VT/YE	5985	XII	-	
43	0.5	VT	7476	II	NQ6/NQ7	Incremental Encoder Sensor Return	43	0.5	VT	7476	XII	NQ6/NQ7	
44	0.5	L-BU/WH	7446	II	-	Fuel Line Pressure Sensor Signal	44	0.5	L-BU/WH	7446	XII	-	
45	0.5	GY	3890	II	LCV	Aero Shutter Control 2	45	0.5	GY	3890	XII	LCV	
46	0.5	L-BU	2500	II	-	High Speed GMLAN Serial Data (+) (1)	46	0.5	L-BU	2500	XII	-	
47	0.5	WH	2501	II	-	High Speed GMLAN Serial Data (-) (1)	47	0.5	WH	2501	XII	-	
48	0.5	BN/RD	7445	III	LCV	Fuel Line Pressure Sensor 5V Reference	48	0.5	BN/RD	7445	XIII	LCV	

X102 Forward Lamp Harness to Body Harness



Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 15509588
Service Connector: 19329766
Description: 48-Way F 1.5 MCP, 2.8 JPT, 6.3 MCP Series, Sealed (YE)



Connector Part Information

Harness Type: Body
OEM Connector: 15513436
Service Connector: 19301796
Description: 48-Way M 1.6, 2.8, 5.8 Series, Sealed (YE)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	19119560	J-35616-40 (BU)	J-38125-556	Not Available	Not Available	Not Available	Not Available
II	19301776	J-35616-14 (GN)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
III	19329757	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
IV	13584463	J-35616-35 (VT)	J-38125-36	4-964286-1	16	E	1
V	19119926	J-35616-42 (RD)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VI	13582344	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VII	13579985	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VIII	13327190	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
IX	13327188	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
X	13581368	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available

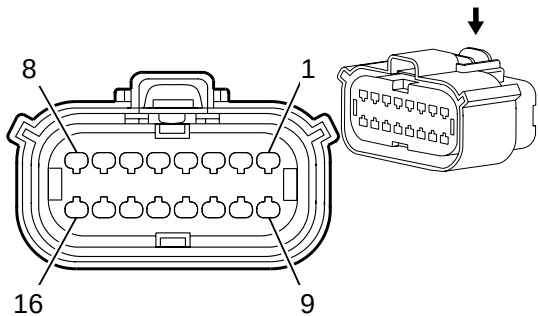
X102 Forward Lamp Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	BN/VT	1470	I	-	Brake Booster Pump Motor Supply Voltage	1	2.5	BN/VT	1470	V	-
2	-	-	-	-	-	Not Occupied	2	-	-	-	-	-
3	0.75	WH/VT	1430	II	-	Exterior Courtesy Lamp Supply Voltage	3	0.75	WH/VT	1430	VIII	-
4-5	-	-	-	-	-	Not Occupied	4-5	-	-	-	-	-
6	0.75	VT/GY	709	II	-	Left Park Lamp Supply Voltage	6	0.5	VT/GY	709	VIII	-

						Voltage						
7	-	-	-	-	-	Not Occupied	7	-	-	-	-	-
8	0.75	GY/BN	309	II	-	Right Park Lamp Supply Voltage	8	0.5	GY/BN	309	VIII	-
9	-	-	-	-	-	Not Occupied	9	-	-	-	-	-
10	1.5	WH	92	II	-	Windshield Wiper Motor High Speed Control	10	1.5	WH	92	VI	-
11	1.5	YE/BN	95	I	-	Windshield Wiper Motor Low Speed Control	11	1.5	YE/BN	95	V	-
12	-	-	-	-	-	Not Occupied	12	-	-	-	-	-
13	0.5	OG/YE	354	III	-	Left Front Discriminating Sensor Signal	13	0.5	OG/YE	354	VII	-
14	0.5	BK/OG	5045	III	-	Left Front Discriminating Sensor Low Reference	14	0.5	BK/OG	5045	VII	-
15	0.5	BN/L-GN	109	II	-	Hood Ajar Switch Signal	15	0.5	BN/L-GN	109	VIII	-
16	-	-	-	-	-	Not Occupied	16	-	-	-	-	-
17	0.5	VT/GY	1054	II	-	Stop Lamp Supply Voltage	17	0.35	VT/GY	1054	IX	-
18	-	-	-	-	-	Not Occupied	18	-	-	-	-	-
19	0.75	YE	312	II	-	Right Headlamp Low Beam Supply Voltage	19	1.5	YE	312	VI	-
20	-	-	-	-	-	Not Occupied	20	-	-	-	-	-
21	0.5	OG/L-GN	1409	III	-	Right Front Discriminating Sensor Signal	21	0.5	OG/L-GN	1409	VII	-
22	0.5	BK/OG	5600	III	-	Right Front Discriminating Sensor Low Reference	22	0.5	BK/OG	5600	VII	-
23	-	-	-	-	-	Not Occupied	23	-	-	-	-	-
24	0.5	WH/BK	2366	II	-	Cooling Fan Control Relay Speed Signal	24	0.5	WH/BK	2366	VIII	-
25	-	-	-	-	-	Not Occupied	25	-	-	-	-	-
26	0.5	L-BU/GY	636	II	-	Outside Ambient Air Temperature Sensor Signal	26	0.5	L-BU/GY	636	VIII	-
27	0.5	BK/L-BU	61	II	-	Outside Ambient Temperature Sensor Low Reference	27	0.5	BK/L-BU	61	VIII	-
28	-	-	-	-	-	Not Occupied	28	-	-	-	-	-
29	0.75	L-GN/VT	1315	IV	-	Right Front Turn Signal	29	0.75	L-GN/VT	1315	X	-

29	0.75	L-GN/VT	1313	IV	-	Right Front Turn Signal Lamp Supply Voltage	29	0.75	L-GN/VT	1313	V	-
30	-	-	-	-	-	Not Occupied	30	-	-	-	-	-
31	0.5	BN	6305	II	-	Brake Vacuum Switch Signal	31	0.5	BN	6305	VIII	-
32-33	-	-	-	-	-	Not Occupied	32-33	-	-	-	-	-
34	0.5	BN	3891	II	LFX	Aero Shutter Control	34	0.5	BN	3891	VIII	LFX
35	0.5	GY	3890	II	LCV	Aero Shutter Control 2	35	0.5	GY	3890	VIII	LCV
36	-	-	-	-	-	Not Occupied	36	-	-	-	-	-
37	0.75	YE	712	II	-	Left Headlamp Low Beam Supply Voltage	37	1.5	YE	712	VI	-
38	1.5	BK	3150	I	-	Ground	38	1.5	BK	3150	V	-
39-43	-	-	-	-	-	Not Occupied	39-43	-	-	-	-	-
44	0.5	YE/BK	3000	II	-	Coolant Temperature Sensor #2 Signal	44	0.5	YE/BK	3000	VIII	-
45	0.5	BK/L-BU	6813	II	-	Coolant Temperature Sensor #2 Low Reference	45	0.5	BK/L-BU	6813	VIII	-
46	-	-	-	-	-	Not Occupied	46	-	-	-	-	-
47	0.75	L-BU/WH	1314	II	-	Left Front Turn Signal Lamp Supply Voltage	47	0.75	L-BU/WH	1314	VIII	-
48	1.5	BN	2109	I	-	Trailer Park Lamp Supply Voltage	48	1.5	BN	2109	V	-

X103 Chassis Harness to Electric Power Steering Harness

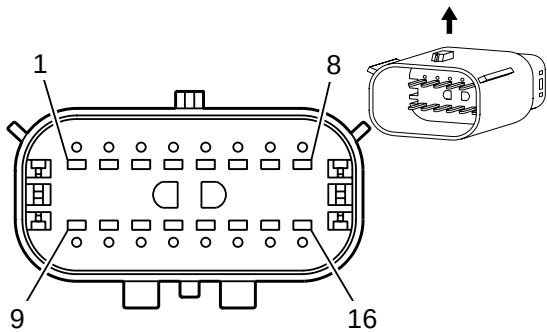


Connector Part Information

Harness Type: Chassis
OEM Connector: 13503529
Service Connector: 13584788
Description: 16-Way F 1.5 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	19300635	J-35616-2A (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available



Connector Part Information

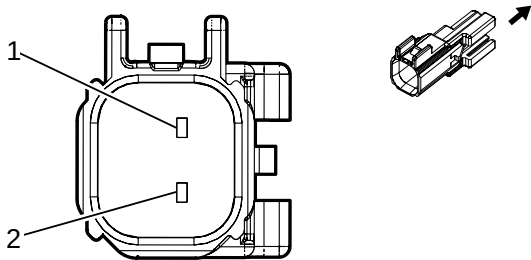
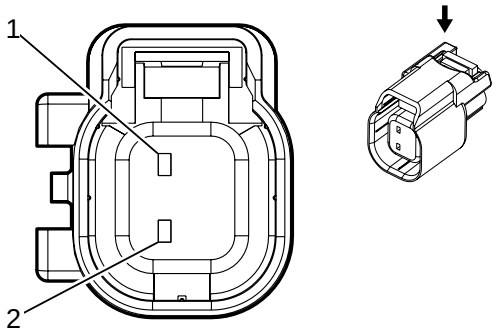
Harness Type: Electric Power Steering
OEM Connector: 13503544
Service Connector: Service by Harness - See Part Catalog
Description: 16-Way M 150 MX Series, Sealed (BK)

X103 Chassis Harness to Electric Power Steering Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	VT/BK	2139	I	-	Run/Crank Ignition 1 Voltage	1	0.75	VT/BK	2139	II	-
2	0.5	WH	2501	I	-	High Speed GMLAN Serial Data (-) (1)	2	0.5	WH	2501	II	-
3	0.5	L-BU	2500	I	-	High Speed GMLAN Serial Data (+) (1)	3	0.5	L-BU	2500	II	-
4	0.5	WH	6106	I	-	High Speed GMLAN Serial Data (-) (2)	4	0.5	WH	6106	II	-
5	0.5	L-BU/YE	6105	I	-	High Speed GMLAN Serial Data (+) (2)	5	0.5	L-BU/YE	6105	II	-
6	0.5	GY/BK	1570	I	-	Front Axle Actuator Control	6	0.5	GY/BK	1570	II	-
7	0.5	RD/BN	5940	I	-	Battery Positive Voltage	7	0.5	RD/BN	5940	II	-
8	0.5	WH/L-BU	5986	I	-	Serial Data Communication Enable	8	0.5	WH/L-BU	5986	II	-
9	0.5	WH	2501	I	-	High Speed GMLAN Serial Data (-) (1)	9	0.5	WH	2501	II	-
10	0.5	L-BU	2500	I	-	High Speed GMLAN Serial Data (+) (1)	10	0.5	L-BU	2500	II	-

						Serial Data (+) (1)						
11	0.5	WH	6106	I	-	High Speed GMLAN Serial Data (-) (2)	11	0.5	WH	6106	II	-
12	0.5	L-BU/YE	6105	I	-	High Speed GMLAN Serial Data (+) (2)	12	0.5	L-BU/YE	6105	II	-
13	0.75	BK	1450	I	-	Ground	13	0.75	BK	1450	II	-
14	0.5	YE/WH	1695	I	-	Four Wheel Drive Wheel Lock Indicator	14	0.5	YE/WH	1695	II	-
15-16	-	-	-	-	-	Not Occupied	15-16	-	-	-	-	-

X104 Forward Lamp Harness to Forward Lamp Extension Harness (LCV)



Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 34062-0038
Service Connector: 19329741
Description: 2-Way F 1.5 Series, Sealed (BK)

Connector Part Information

Harness Type: Forward Lamp Extension
OEM Connector: 34675-0001
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 1.5 Series, Sealed (BK)

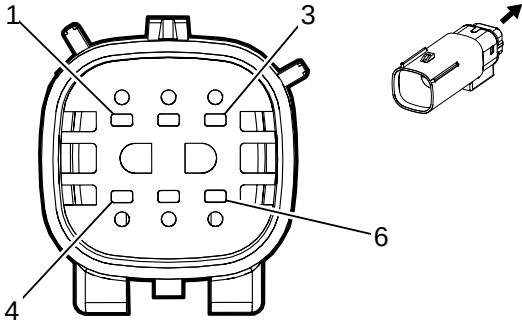
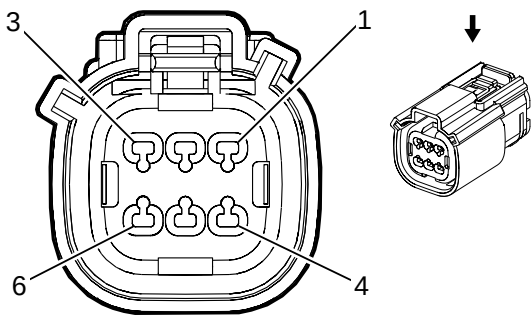
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-3 (GY)	Not Available	Not Available	Not Available	Not Available	Not Available

X104 Forward Lamp Harness to Forward Lamp Extension Harness (LCV)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	YE/BK	3000	I	-	Coolant Temperature Sensor #2 Signal	1	0.5	YE/BK	3000	II	-
2	0.5	BK/L-BU	6813	I	-	Coolant Temperature Sensor #2 Low Reference	2	0.5	BK/L-BU	6813	II	-

X105 Forward Lamp Harness to Jumper Harness (LCV)



Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 33472-0607
Service Connector: 19301527
Description: 6-Way F 150 MX Series, Sealed (GY)

Connector Part Information

Harness Type: Jumper
OEM Connector: 13503536
Service Connector: Service by Harness – See Part Catalog
Description: 6-Way M 150 MX Series, Sealed (GY)

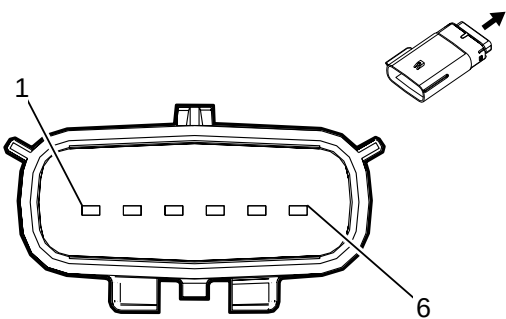
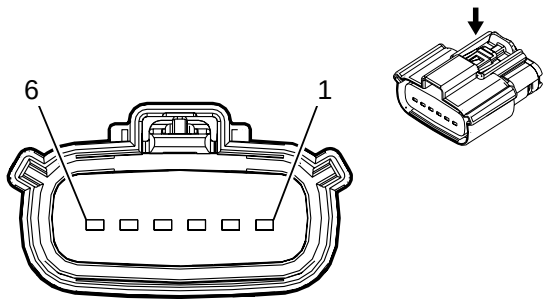
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X105 Forward Lamp Harness to Jumper Harness (LCV)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	BK	1250	I	-	Ground	1	0.75	BK	1250	II	-
2	0.5	WH/VT	4333	I	-	Aero Shutter Actuator Supply Voltage	2	0.5	WH/VT	4333	II	-
3	0.5	GY	3890	I	-	Aero Shutter Control 2	3	0.5	BN	3891	II	-
4	-	-	-	-	-	Not Occupied	4	-	-	-	-	-
5	0.5	L-BU/GY	636	I	-	Outside Ambient Air Temperature Sensor Signal	5	0.5	L-BU/GY	636	II	-
6	0.5	BK/L-BU	61	I	-	Outside Ambient Temperature Sensor Low Reference	6	0.5	BK/L-BU	61	II	-

X105 Forward Lamp Harness to Jumper Harness (LFX)



Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 33471-0606
Service Connector: 19303226
Description: 6-Way F 1.5 Series, Sealed (BK)

Connector Part Information

Harness Type: Jumper
OEM Connector: 13504374
Service Connector: Service by Harness – See Part Catalog
Description: 6-Way M 1.5 MX Series, Sealed (BK)

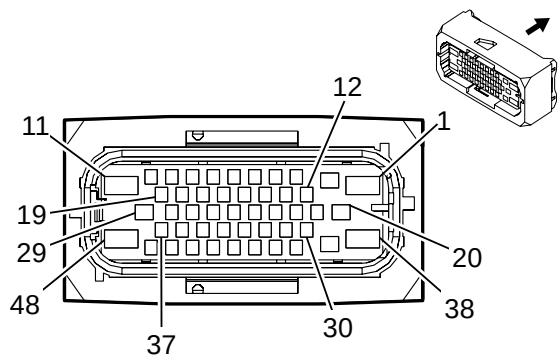
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X105 Forward Lamp Harness to Jumper Harness (LFX)

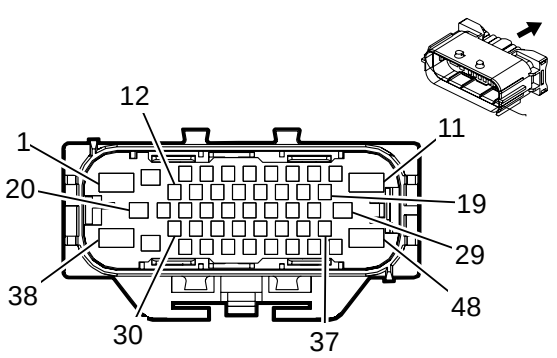
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	BK	1250	I	-	Ground	1	0.75	BK	1250	II	-
2	0.5	WH/VT	4333	I	-	Aero Shutter Actuator Supply Voltage	2	0.5	WH/VT	4333	II	-
3	0.5	BN	3891	I	-	Aero Shutter Control	3	0.5	BN	3891	II	-
4	-	-	-	-	-	Not Occupied	4	-	-	-	-	-
5	0.5	L-BU/GY	636	I	-	Outside Ambient Air Temperature Sensor Signal	5	0.5	L-BU/GY	636	II	-
6	0.5	BK/L-BU	61	I	-	Outside Ambient Temperature Sensor Low Reference	6	0.5	BK/L-BU	61	II	-

X106 Body Harness to Chassis Harness



Connector Part Information

Harness Type: Body
OEM Connector: 15509587
Service Connector: 19119963
Description: 48-Way F 1.5 MCP, 2.8 JPT, 6.3 MCP Series, Sealed (GY)



Connector Part Information

Harness Type: Chassis
OEM Connector: 15513437
Service Connector: 13586850
Description: 48-Way M 1.6, 2.8, 5.8 Series, Sealed (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	19119560	J-35616-40 (BU)	J-38125-556	Not Available	Not Available	Not Available	Not Available
II	19301776	J-35616-14 (GN)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
III	19328630	J-35616-40 (BU)	J-38125-556	Not Available	Not Available	Not Available	Not Available
IV	13580821	J-35616-4A (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
V	19329756	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
VI	13575380	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VII	13579770	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
VIII	13575376	J-35616-43 (RD)	J-38125-557	Not Available	Not Available	Not Available	Not Available
IX	19119926	J-35616-42 (RD)	J-38125-36	Not Available	Not Available	Not Available	Not Available

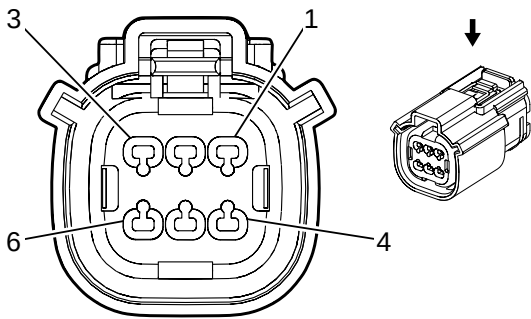
X106 Body Harness to Chassis Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	4	RD/GY	1042	I	-	Battery Positive Voltage	1	4	RD/GY	1042	V	-
2	2.5	RD/YE	442	IV	-	Battery Positive Voltage	2	2.5	RD/YE	442	VII	-
3	0.75	GY	1624	II	-	Trailer Backup Lamp Supply Voltage	3	0.75	GY	1624	VI	-
4	0.75	L-GN	1619	II	-	Right Rear Trailer Stop/Turn Lamp Supply Voltage	4	0.75	L-GN	1619	VI	-
5	0.75	YE	1618	II	-	Left Rear Trailer Stop/Turn Lamp Supply Voltage	5	0.75	YE	1618	VI	-

						Voltage						
6	0.5	BN/GY	2609	II	-	Right Rear Park Lamp Supply Voltage	6	0.75	BN/GY	2609	VI	-
7	0.5	L-GN/WH	24	II	-	Backup Lamp Supply Voltage	7	0.5	L-GN/WH	24	VI	-
8	0.5	L-GN/YE	6846	II	-	Rear License Lamp Supply Voltage	8	0.5	L-GN/YE	6846	VI	-
9	0.5	VT/YE	5985	II	-	Accessory Wakeup Serial Data	9	0.5	VT/YE	5985	VI	-
10	0.75	VT/BK	2139	II	-	Run/Crank Ignition 1 Voltage	10	0.75	VT/BK	2139	VI	-
11	0.75	BK	1450	III	-	Ground	11	0.75	BK	1450	VI	-
12	1.5	GY/YE	7542	II	-	Left Rear Stop Lamp Supply Voltage	12	0.75	GY/YE	7542	VI	-
13	0.5	VT/L-GN	1739	II	-	Run/Crank Ignition 1 Voltage	13	0.5	VT/L-GN	1739	VI	-
14	0.5	BN/L-BU	2509	II	-	Left Rear Park Lamp Supply Voltage	14	0.75	BN/L-BU	2509	VI	-
15	1.5	WH/YE	7541	II	-	Right Rear Stop Lamp Supply Voltage	15	0.75	WH/YE	7541	VI	-
16	0.75	VT/GY	139	II	-	Run/Crank Ignition 1 Voltage	16	0.75	VT/GY	139	VI	-
17	0.5	BN	3891	II	-	Aero Shutter Control	17	0.5	BN	3891	VI	-
18	-	-	-	-	-	Not Occupied	18	-	-	-	-	-
19	0.5	WH	2501	II	-	High Speed GMLAN Serial Data (-) (1)	19	0.5	WH	2501	VI	-
20	2.5	RD/VT	1940	IV	-	Battery Positive Voltage	20	2.5	RD/VT	1940	VII	-
21	0.5	RD/BN	5940	II	-	Battery Positive Voltage	21	0.5	RD/BN	5940	VI	-
22	0.5	BN	6305	II	-	Brake Vacuum Switch Signal	22	0.5	BN	6305	VI	-
23	0.5	L-BU/WH	890	II	-	Fuel Tank Pressure Sensor Signal	23	0.5	L-BU/WH	890	VI	-
24	0.5	YE/RD	2709	II	-	Fuel Tank Pressure Sensor 5 Volt Reference	24	0.5	YE/RD	2709	VI	-
25	0.5	BK/L-GN	6281	II	-	Fuel Level Sensor Low Reference	25	0.5	BK/L-GN	6281	VI	-
26	0.5	WH/L-BU	5986	II	-	Serial Data Communication Enable	26	0.5	WH/L-BU	5986	VI	-
27	0.5	GY	5660	II	-	Fuel Pump Controller Data Out Signal	27	0.5	GY	5660	VI	-
28	0.5	L-BU	2500	II	-	High Speed GMLAN	28	0.5	L-BU	2500	VI	-

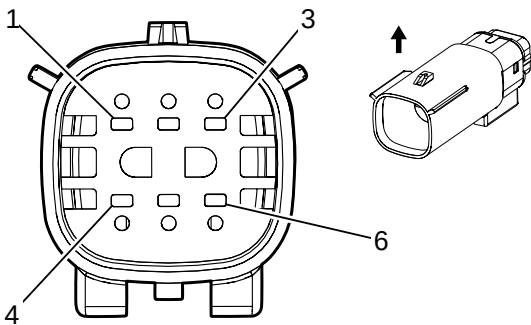
28	0.5	L-BU	2500	II	-	High Speed GMLAN Serial Data (+) (1)	28	0.5	L-BU	2500	VI	-
29	-	-	-	-	-	Not Occupied	29	-	-	-	-	-
30	0.5	GY/BK	1570	II	-	Front Axle Actuator Control	30	0.5	GY/BK	1570	VI	-
31	0.5	YE/WH	1695	II	-	Four Wheel Drive Wheel Lock Indicator	31	0.5	YE/WH	1695	VI	-
32	0.5	L-BU/VT	1589	II	-	Primary Fuel Level Sensor Signal	32	0.5	L-BU/VT	1589	VI	-
33	0.5	RD/L-GN	2440	II	-	Battery Positive Voltage	33	0.5	RD/L-GN	2440	VI	-
34	0.5	WH	1310	II	-	EVAP Canister Vent Solenoid Control	34	0.5	WH	1310	VI	-
35	0.5	L-BU/BK	7493	II	-	High Speed GMLAN Serial Data (+)(3)	35	0.5	L-BU/BK	7493	VI	-
36	0.5	WH	7494	II	-	High Speed GMLAN Serial Data -(3)	36	0.5	WH	7494	VI	-
37	0.5	L-BU/YE	6105	II	-	High Speed GMLAN Serial Data (+) (2)	37	0.5	L-BU/YE	6105	VI	-
38	4	OG	742	I	-	Battery Positive Voltage	38	4	OG	742	VIII	-
39	1.5	BN	2109	IV	-	Trailer Park Lamp Supply Voltage	39	1.5	BN	2109	VII	-
40	0.5	L-GN	6974	II	-	Camera Drain Wire	40	0.5	L-GN	6974	VI	-
41	0.5	GY/YE	6972	II	-	Camera Signal #2 +	41	0.5	GY/YE	6972	VI	-
42	0.5	WH/L-BU	6973	II	-	Camera Signal #2	42	0.5	WH/L-BU	6973	VI	-
43	0.5	BK/YE	7447	II	-	Fuel Line Pressure Sensor Low Reference	43	0.5	BK/YE	7447	VI	-
44	0.5	L-BU/WH	7446	II	-	Fuel Line Pressure Sensor Signal	44	0.5	L-BU/WH	7446	VI	-
45	0.5	BN/RD	7445	II	-	Fuel Line Pressure Sensor 5V Reference	45	0.5	BN/RD	7445	VI	-
46	0.5	WH	6106	II	-	High Speed GMLAN Serial Data -(2)	46	0.5	WH	6106	VI	-
47	-	-	-	-	-	Not Occupied	47	-	-	-	-	-
48	2.5	L-BU	47	I	-	Trailer Auxiliary Supply Voltage	48	2.5	L-BU	47	IX	-

X110 Forward Lamp Harness to Left Front Lamp Harness



Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 33472-0606
Service Connector: 13585853
Description: 6-Way F 150 MX Series, Sealed (BK)



Connector Part Information

Harness Type: Left Front Lamp
OEM Connector: 13503535
Service Connector: Service by Harness – See Part Catalog
Description: 6-Way M 150 MX Series, Sealed (BK)

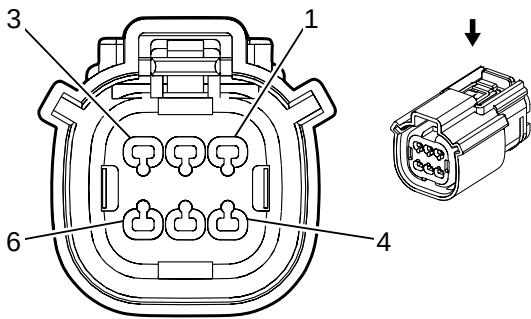
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X110 Forward Lamp Harness to Left Front Lamp Harness

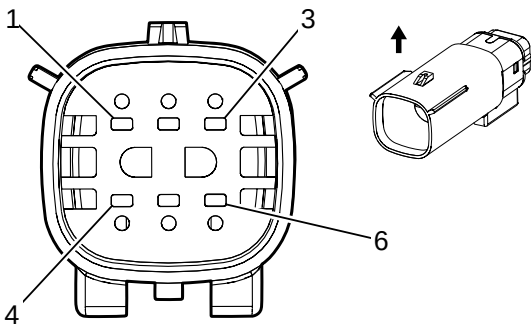
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	BK	1150	I	-	Ground	1	1.5	BK	1150	II	-
2	0.75	YE	712	I	-	Left Headlamp Low Beam Supply Voltage	2	0.75	YE	712	II	-
3	0.75	WH	711	I	-	Left Headlamp High Beam Supply Voltage	3	0.75	WH	711	II	-
4	0.75	VT/GY	709	I	-	Left Park Lamp Supply Voltage	4	0.75	VT/GY	709	II	-
5	0.75	L-BU/WH	1314	I	-	Left Front Turn Signal Lamp Supply Voltage	5	0.75	L-BU/WH	1314	II	-
6	-	-	-	-	-	Not Occupied	6	-	-	-	-	-

X120 Forward Lamp Harness to Right Front Lamp Harness



Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 33472-0606
Service Connector: 13585853
Description: 6-Way F 150 MX Series, Sealed (BK)



Connector Part Information

Harness Type: Right Front Lamp
OEM Connector: 13503535
Service Connector: Service by Harness – See Part Catalog
Description: 6-Way M 150 MX Series, Sealed (BK)

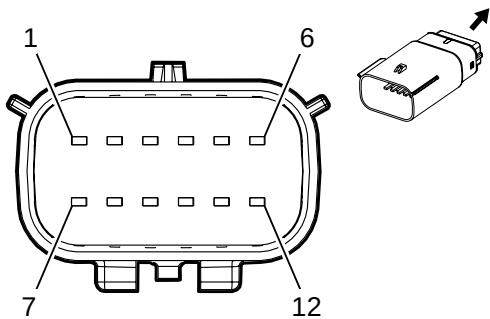
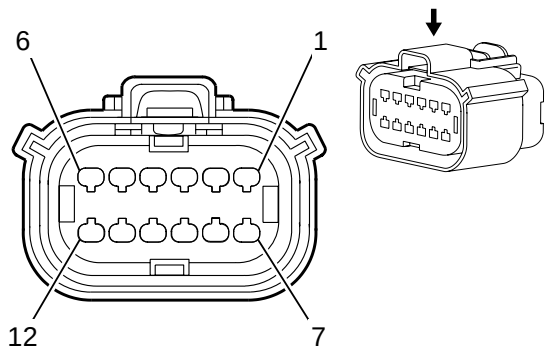
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X120 Forward Lamp Harness to Right Front Lamp Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	BK	1250	I	-	Ground	1	1.5	BK	1250	II	-
2	0.75	YE	312	I	-	Right Headlamp Low Beam Supply Voltage	2	0.75	YE	312	II	-
3	0.75	WH	311	I	-	Right Headlamp High Beam Supply Voltage	3	0.75	WH	311	II	-
4	0.75	GY/BN	309	I	-	Right Park Lamp Supply Voltage	4	0.75	GY/BN	309	II	-
5	0.75	L-GN/VT	1315	I	-	Right Front Turn Signal Lamp Supply Voltage	5	0.75	L-GN/VT	1315	II	-
6	-	-	-	-	-	Not Occupied	6	-	-	-	-	-

X160 Engine Harness to Fuel Injector Rail Harness (LCV)



Connector Part Information

Harness Type: Engine
OEM Connector: 33472-1216
Service Connector: 19150019
Description: 12-Way F 150 MX Series, Sealed (BK)

Connector Part Information

Harness Type: Fuel Injector Rail
OEM Connector: 13503542
Service Connector: Service by Harness – See Part Catalog
Description: 12-Way M ()

Terminal Part Information

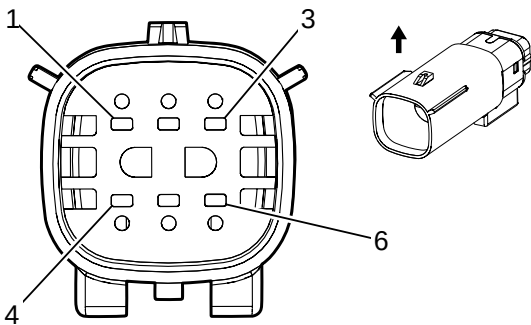
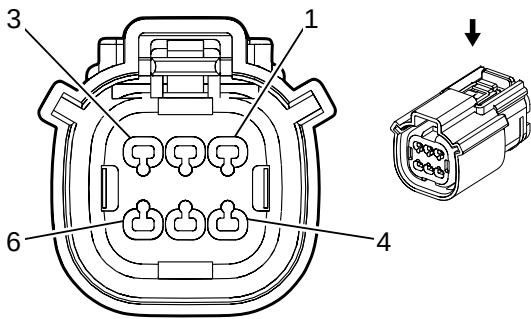
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	19300635	J-35616-2A (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available
II	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X160 Engine Harness to Fuel Injector Rail Harness (LCV)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	BN	4801	I	-	Direct Fuel Injector (DFI) High Voltage Control Cylinder 1	1	0.75	BN	4801	II	-
2	0.75	L-BU	4802	I	-	Direct Fuel Injector (DFI) High Voltage Control Cylinder 2	2	0.75	L-BU	4802	II	-
3	0.75	L-GN	4803	I	-	Direct Fuel Injector (DFI) High Voltage Control Cylinder 3	3	0.75	L-GN	4803	II	-
4	0.75	GY/L-BU	4804	I	-	Direct Fuel Injector (DFI) High Voltage Control Cylinder 4	4	0.75	GY/L-BU	4804	II	-
5	0.5	BK/L-GN	2919	I	-	Fuel Rail Pressure Sensor Low Reference	5	0.5	BK/L-GN	2919	II	-
6	-	-	-	-	-	Not Occupied	6	-	-	-	-	-
7	0.75	BN/WH	4901	I	-	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 1	7	0.75	BN/WH	4901	II	-
8	0.75	L-BU/GY	4902	I	-	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 2	8	0.75	L-BU/GY	4902	II	-

9	0.75	L-GN/GY	4903	I	-	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 3	9	0.75	L-GN/GY	4903	II	-
10	0.75	L-BU/WH	4904	I	-	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 4	10	0.75	L-BU/WH	4904	II	-
11	0.5	BN/RD	2917	I	-	Fuel Rail Pressure Sensor (5) Volt Reference	11	0.5	BN/RD	2917	II	-
12	0.5	L-BU/WH	2918	I	-	Fuel Rail Pressure Sensor Signal	12	0.5	L-BU/WH	2918	II	-

X160 Engine Harness to Fuel Injector Rail Harness (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 33472-0606
Service Connector: 13585853
Description: 6-Way F 150 MX Series, Sealed (BK)

Connector Part Information

Harness Type: Fuel Injector Rail
OEM Connector: 13503535
Service Connector: Service by Harness – See Part Catalog
Description: 6-Way M 150 MX Series, Sealed (BK)

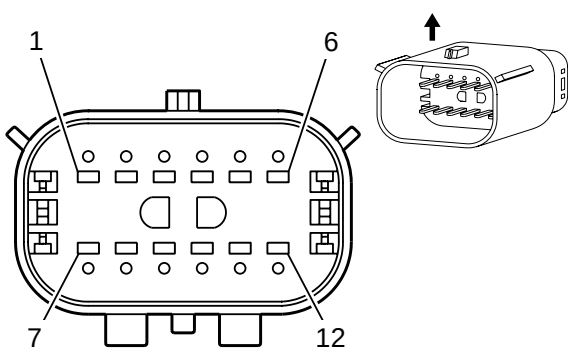
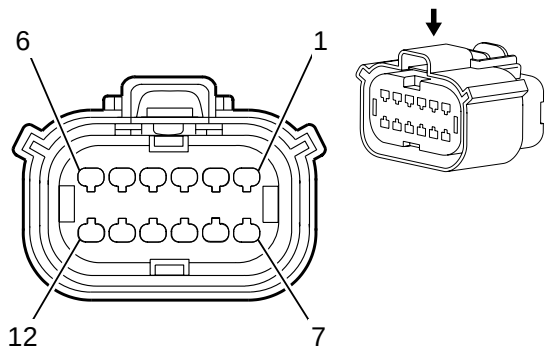
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X160 Engine Harness to Fuel Injector Rail Harness (LFX)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	BN	4801	I	-	Direct Fuel Injector (DFI) High Voltage Control Cylinder 1	1	0.75	BN	4801	II	-
2	0.75	BN/WH	4901	I	-	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 1	2	0.75	BN/WH	4901	II	-
3	0.75	L-GN	4803	I	-	Direct Fuel Injector (DFI) High Voltage Control Cylinder 3	3	0.75	L-GN	4803	II	-
4	0.75	L-GN/GY	4903	I	-	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 3	4	0.75	L-GN/GY	4903	II	-
5	0.75	WH/L-GN	4805	I	-	Direct Fuel Injector (DFI) High Voltage Control Cylinder 5	5	0.75	WH/L-GN	4805	II	-
6	0.75	L-GN/WH	4905	I	-	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 5	6	0.75	L-GN/WH	4905	II	-

X161 Engine Harness to Fuel Injector Rail Harness (LFX)



Connector Part Information

Harness Type: Engine
OEM Connector: 19178148
Service Connector: 19178148
Description: 12-Way F 1.5 Series, Sealed (BK)

Connector Part Information

Harness Type: Fuel Injector Rail
OEM Connector: 13503543
Service Connector: Service by Harness – See Part Catalog
Description: 12-Way M 150 MX Series, Sealed (BK)

Terminal Part Information

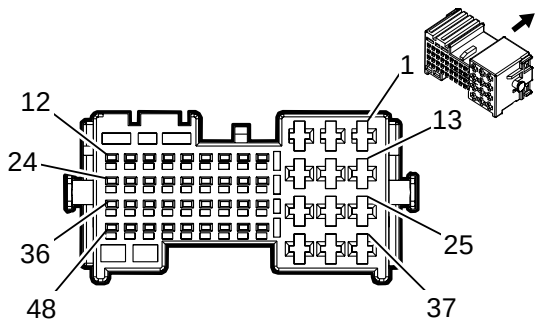
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	19300635	J-35616-2A (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available
II	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X161 Engine Harness to Fuel Injector Rail Harness (LFX)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	-	-	-	-	-	Not Occupied	1	-	-	-	-	-
2	0.75	L-BU	4802	I	-	Direct Fuel Injector (DFI) High Voltage Control Cylinder 2	2	0.75	L-BU	4802	II	-
3	0.75	GY/L-BU	4804	I	-	Direct Fuel Injector (DFI) High Voltage Control Cylinder 4	3	0.75	GY/L-BU	4804	II	-
4	0.75	VT/L-GN	4806	I	-	Direct Fuel Injector (DFI) High Voltage Control Cylinder 6	4	0.75	VT/L-GN	4806	II	-
5	0.5	BK/L-GN	2919	I	-	Fuel Rail Pressure Sensor Low Reference	5	0.5	BK/L-GN	2919	II	-
6-7	-	-	-	-	-	Not Occupied	6-7	-	-	-	-	-
8	0.75	L-BU/GY	4902	I	-	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 2	8	0.75	L-BU/GY	4902	II	-
9	0.75	L-BU/WH	4904	I	-	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 4	9	0.75	L-BU/WH	4904	II	-
10	0.75	VT/GY	4906	I	-	Direct Fuel Injector	10	0.75	VT/GY	4906	II	-

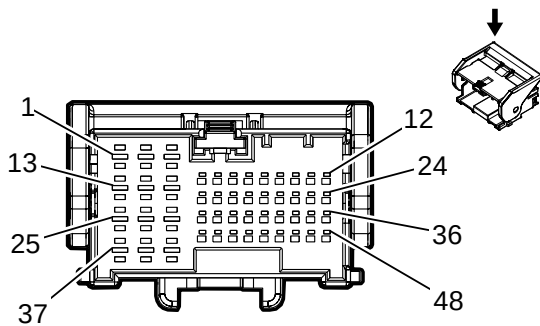
						Direct Fuel Injector (DFI) High Voltage Supply Cylinder 6						
11	0.5	BN/RD	2917	I	-	Fuel Rail Pressure Sensor (5) Volt Reference	11	0.5	BN/RD	2917	II	-
12	0.5	L-BU/WH	2918	I	-	Fuel Rail Pressure Sensor Signal	12	0.5	L-BU/WH	2918	II	-

X200 Body Harness to Instrument Panel Harness



Connector Part Information

Harness Type: Body
OEM Connector: 2109452-2
Service Connector: 19329739
Description: 48-Way F 1.2 MCON, 2.8 MCP Series



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 2109455-2
Service Connector: 19329740
Description: 48-Way M 1.2 MCON, 2.8 MCP Series

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	19329751	J-35616-16 (LT GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
III	19119592	J-35616-35 (VT)	J-38125-557	Not Available	Not Available	Not Available	Not Available
IV	19329752	J-35616-16 (LT GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
V	19303566	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VI	19329749	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
VII	19303565	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

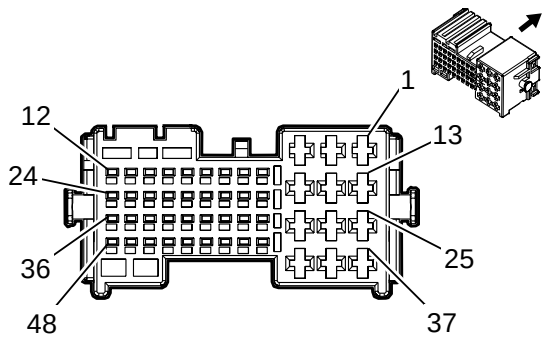
X200 Body Harness to Instrument Panel Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/VT	542	I	-	Battery Positive Voltage	1	2.5	RD/VT	542	V	-
2-3	-	-	-	-	-	Not Occupied	2-3	-	-	-	-	-
4	0.5	L-BU/YE	6105	II	-	High Speed GMLAN Serial Data (+) (2)	4	0.5	L-BU/YE	6105	VI	-
5	0.5	WH	6106	II	-	High Speed GMLAN Serial Data (-) (2)	5	0.5	WH	6106	VI	-
6	0.5	L-BU/BN	7573	II	-	Electric Variable Displacement Supply	6	0.5	L-BU/BN	7573	VI	-
7	0.5	L-BU/YE	7574	II	-	Electric Variable Displacement Control	7	0.5	L-BU/YE	7574	VI	-
8-9	-	-	-	-	-	Not Occupied	8-9	-	-	-	-	-

10	0.5	RD/L-GN	4440	II	-	Battery Positive Voltage	10	0.5	RD/L-GN	4440	VI	-
11-13	-	-	-	-	-	Not Occupied	11-13	-	-	-	-	-
14	1	L-BU	201	III	-	Left Front Speaker (+) (1)	14	0.75	L-BU	201	VII	-
15	1	BN/L-BU	118	III	-	Left Front Speaker Signal (-) (1)	15	1	BN/L-BU	118	VII	-
16-17	-	-	-	-	-	Not Occupied	16-17	-	-	-	-	-
18	0.5	GY	158	II	-	Cargo Lamp Switch Signal	18	0.35	GY	158	VI	-
19-20	-	-	-	-	-	Not Occupied	19-20	-	-	-	-	-
21	0.35	WH	6816	IV	-	Indicator Dimming Control	21	0.35	WH	6816	VI	-
22	0.5	YE	6817	II	-	LED Backlight Dimming Control	22	0.5	YE	6817	VI	-
23	0.35	YE/BN	3265	IV	-	Child Security Lock Switch Signal	23	0.35	YE/BN	3265	VI	-
24	0.35	GY	5697	IV	-	Child Lockout Indicator	24	0.35	GY	5697	VI	-
25	-	-	-	-	-	Not Occupied	25	-	-	-	-	-
26	1	L-GN/BK	116	III	-	Left Rear Speaker Signal (-)	26	1	L-GN/BK	116	VII	-
27	1	L-GN	199	III	-	Left Rear Speaker (+)	27	0.75	L-GN	199	VII	-
28-29	-	-	-	-	-	Not Occupied	28-29	-	-	-	-	-
30	0.5	BN/WH	419	II	-	Check Engine Indicator Control	30	0.35	BN/WH	419	VI	-
31	0.35	BN/YE	780	IV	-	Driver Door Lock Switch Lock Signal	31	0.35	BN/YE	780	VI	-
32	0.35	BN/WH	781	IV	-	Driver Door Lock Switch Unlock Signal	32	0.35	BN/WH	781	VI	-
33	0.5	WH	5359	II	-	Brake Apply Sensor Supply Voltage	33	0.35	WH	5359	VI	-
34	0.5	L-BU/YE	5361	II	-	Brake Apply Sensor Signal	34	0.35	L-BU/YE	5361	VI	-
35	0.5	BK/BN	5360	II	-	Brake Apply Sensor Low Reference	35	0.35	BK/BN	5360	VI	-
36	0.5		6974	II	-	Camera Drain Wire	36	0.35	BARE	6974	VI	-
37	2.5	RD/L-GN	242	III	-	Battery Positive Voltage	37	2.5	RD/L-GN	242	V	-
38-41	-	-	-	-	-	Not Occupied	38-41	-	-	-	-	-
42	0.5	BK/WH	2251	II	-	Signal Ground	42	0.5	BK/WH	2251	VI	-

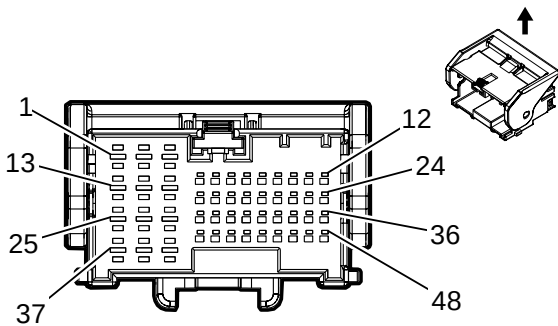
43	0.5	WH/L-BU	5986	II	-	Serial Data Communication Enable	43	0.5	WH/L-BU	5986	VI	-
44	-	-	-	-	-	Not Occupied	44	-	-	-	-	-
45	0.5	BN/VT	193	II	-	Rear Defog Relay Control	45	0.35	BN/VT	193	VI	-
46	0.5	L-GN/GY	6135	II	-	Linear Interconnect Network Bus 4	46	0.5	L-GN/GY	6135	VI	-
47	0.5	GY/YE	6972	II	-	Camera Signal #2 +	47	0.35	GY/YE	6972	VI	-
48	0.5	WH/L-BU	6973	II	-	Camera Signal #2	48	0.35	WH/L-BU	6973	VI	-

X202 Body Harness to Instrument Panel Harness



Connector Part Information

Harness Type: Body
OEM Connector: 1-2109452-3
Service Connector: 19329737
Description: 48-Way F 1.2 MCON, 2.8 MCP Series



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 1-2109455-3
Service Connector: 19329738
Description: 48-Way M 1.2 MCON, 2.8 MCP Series

Terminal Part Information

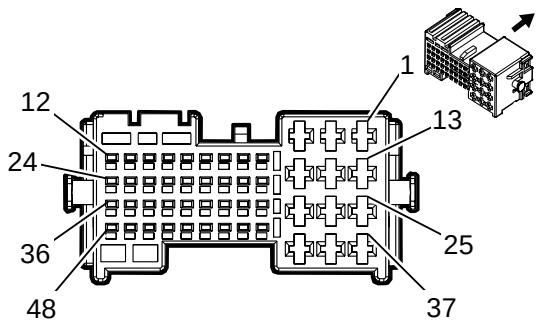
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	19329751	J-35616-16 (LT GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
III	19329752	J-35616-16 (LT GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
IV	19329749	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
V	19303566	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available

X202 Body Harness to Instrument Panel Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1-3	-	-	-	-	-	Not Occupied	1-3	-	-	-	-	-
4	0.5	RD/GY	2140	I	-	Battery Positive Voltage	4	0.75	RD/GY	2140	IV	-
5	-	-	-	-	-	Not Occupied	5	-	-	-	-	-
6	0.35	RD/YE	3040	III	-	Battery Positive Voltage	6	0.35	RD/YE	3040	IV	-
7	0.75	RD/BN	2240	I	-	Battery Positive Voltage	7	0.75	RD/BN	2240	IV	-
8	0.35	VT	801	III	-	Retained Accessory Power Fuse Supply Voltage	8	0.35	VT	801	IV	-
9	0.5	RD/GY	2840	I	-	Battery Positive Voltage	9	0.5	RD/GY	2840	IV	-
10	0.5	VT/BN	300	I	-	Run Ignition 3 Voltage	10	0.5	VT/BN	300	IV	-
11-13	-	-	-	-	-	Not Occupied	11-13	-	-	-	-	-
14	2.5	L-BU	47	II	-	Trailer Auxiliary Supply	14	2.5	L-BU	47	V	-

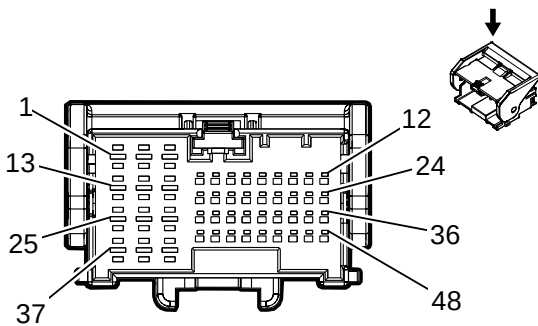
						Voltage							
15	-	-	-	-	-	Not Occupied	15	-	-	-	-	-	-
16	0.35	GY/WH	3272	III	-	Remote Function Actuator Supply Voltage	16	0.35	GY/WH	3272	IV	-	-
17	0.35	YE/L-GN	3274	III	-	Remote Function Actuator Transmit Signal	17	0.35	YE/L-GN	3274	IV	-	-
18	0.35	L-BU/WH	3275	III	-	Remote Function Actuator Receive Signal	18	0.35	L-BU/WH	3275	IV	-	-
19	0.35	GY	3273	III	-	Remote Function Actuator Return	19	0.35	GY	3273	IV	-	-
20	0.35	GY/L-GN	328	III	-	Interior Lamp Defeat Switch Signal	20	0.35	GY/L-GN	328	IV	-	-
21	0.5	GY	157	I	-	Interior Lamp Control	21	0.5	GY	157	IV	-	-
22	0.5	YE	6817	I	-	LED Backlight Dimming Control	22	0.5	YE	6817	IV	-	-
23-27	-	-	-	-	-	Not Occupied	23-27	-	-	-	-	-	-
28	0.35	L-GN/BK	1563	III	-	2 HI Indicator Control	28	0.35	L-GN/BK	1563	IV	-	-
29	0.35	GY/L-GN	1561	III	-	AWD Indicator Control	29	0.35	GY/L-GN	1561	IV	-	-
30	0.35	BN/BK	1566	III	-	4 HI Indicator Control	30	0.35	BN/BK	1566	IV	-	-
31	0.35	VT/WH	1565	III	-	4 LO Indicator Control	31	0.35	VT/WH	1565	IV	-	-
32	0.35	BN	1560	III	-	Neutral Indicator Control	32	0.35	BN	1560	IV	-	-
33	0.35	GY/RD	6029	III	-	Four Wheel Drive Mode Switch 5 Volt Reference	33	0.35	GY/RD	6029	IV	-	-
34	0.35	L-BU/YE	1693	III	-	Four Wheel Drive Switch Signal	34	0.35	L-BU/YE	1693	IV	-	-
35-40	-	-	-	-	-	Not Occupied	35-40	-	-	-	-	-	-
41	0.5	WH/VT	5905	I	-	Key Capture/Column Lock Shift Position Signal	41	0.5	WH/VT	5905	IV	-	-
42	0.5	L-GN/L-BU	6133	I	-	Linear Interconnect Network Bus 2	42	0.5	L-GN/L-BU	6133	IV	-	-
43	0.5	WH/L-BU	3691	III	Z82	Trailer Brake Apply Signal	43	0.5	WH/L-BU	3691	IV	IV	Z82
44	0.5	VT/BK	7553	I	-	Park Lock Solenoid Control	44	0.5	VT/BK	7553	IV	-	-
45-48	-	-	-	-	-	Not Occupied	45-48	-	-	-	-	-	-

X203 Body Harness to Instrument Panel Harness



Connector Part Information

Harness Type: Body
OEM Connector: 2109452-2
Service Connector: 19329739
Description: 48-Way F 1.2 MCON, 2.8 MCP Series



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 2109455-2
Service Connector: 19329740
Description: 48-Way M 1.2 MCON, 2.8 MCP Series

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	19329752	J-35616-16 (LT GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
III	19329751	J-35616-16 (LT GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
IV	19119592	J-35616-35 (VT)	J-38125-557	Not Available	Not Available	Not Available	Not Available
V	19329758	J-35616-16 (LT GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
VI	19303566	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VII	19329749	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
VIII	19303565	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
IX	19329749	J-35616-13 (BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

X203 Body Harness to Instrument Panel Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/YE	3740	I	-	Battery Positive Voltage	1	2.5	RD/YE	3740	VI	-
2	1	YE/BK	117	IV	-	Right Front Speaker Signal (-) (1)	2	1 0.75	YE/BK YE/BK	117 117	VIII	-
3	1	YE	200	IV	-	Right Front Speaker (+) (1)	3	1 0.75	YE YE	200 200	VIII	-
4	0.35	YE/RD	597	II	-	5 Volt Reference	4	0.35	YE/RD	597	VII	-
5	0.35	BK/L-BU	7566	II	-	Humidity/Windscreen Temp Sensor Low Reference	5	0.35	BK/L-BU	7566	VII	-

						Reference						
6	0.35	GY/L-GN	7565	II	-	Windscreen Temp Sensor Signal	6	0.35	GY/L-GN	7565	VII	-
7	0.35	GY/L-BU	7564	II	-	Humidity Sensor Signal	7	0.35	GY/L-BU	7564	VII	-
8	0.35	YE/L-BU	3197	II	-	Humidity Temperature Sensor Signal	8	0.35	YE/L-BU	3197	VII	-
9	0.35	YE	6817	II	-	LED Backlight Dimming Control	9	0.35	YE	6817	VII	-
10	0.35	BN	6136	II	-	Supply Voltage	10	0.35	BN	6136	VII	-
11	0.5	RD/L-BU	540	III	-	Battery Positive Voltage	11	0.5	RD/L-BU	540	VII	-
12	-	-	-	-	-	Not Occupied	12	-	-	-	-	-
13	2.5	RD/VT	4040	I	-	Battery Positive Voltage	13	2.5	RD/VT	4040	VI	-
14	1	L-BU/BK	115	IV	-	Right Rear Speaker Signal (-)	14	1 0.75	L-BU/BK L-BU/BK	115 115	VIII	-
15	1	WH	46	IV	-	Right Rear Speaker (+)	15	1 0.75	WH WH	46 46	VIII	-
16	0.35	VT/WH	5234	II	-	Passenger Seat Belt Indicator	16	0.35	VT/WH	5234	VII	-
17	0.35	L-BU	2307	II	-	Passenger Air Bag On Indicator Control	17	0.35	L-BU	2307	VII	-
18	0.35	L-GN	2308	II	-	Passenger Air Bag Off Indicator Control	18	0.35	L-GN	2308	VII	-
19	0.5		1792	III	-	Drain Wire	19	0.5	BARE	1792	VII	-
20	0.35	BK/GY	5152	II	-	Voice Recognition Audio Low Reference	20	0.35	BK/GY	5152	VII	-
21	0.35	GY/YE	5149	II	-	Voice Recognition Audio Signal	21	0.35	GY/YE	5149	VII	-
22	-	-	-	-	-	Not Occupied	22	-	-	-	-	-
23	0.35	GY/WH	3153	II	-	Lane Departure Warning Disable Switch Signal	23	0.35	GY/WH	3153	VII	-
24	0.35	WH	3152	II	-	Lane Departure Warning Indicator Control	24	0.35	WH	3152	VII	-
25	2.5	RD/YE	2340	IV	-	Battery Positive Voltage	25	1	RD/YE	2340	VIII	-
26	1.5	VT	2101	I	-	Retained Accessory Power Fuse Supply Voltage	26	1.5	VT	2101	VIII	-
27	2.5	RD/L-GN	2440	IV	-	Battery Positive Voltage	27	1	RD/L-GN	2440	VIII	-
28	0.35		514	II	-	Drain Wire	28	0.35	BARE	514	VII	-
29	0.35	YE	658	II	-	Cellular Telephone	29	0.35	YE	658	VII	-

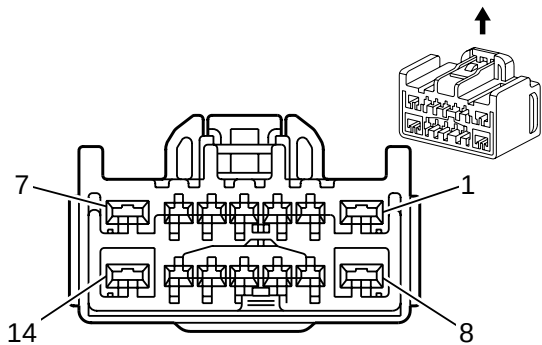
Revision 1.4 - Date: 9/19/2014

2015 CHEVROLET COLORADO/GMC CANYON ELECTRICAL SECTION

64

29	0.35	YE	658	II	-	Cellular Telephone Voice Signal	29	0.35	YE	658	VII	-
30	0.35	BK/YE	659	II	-	Cellular Telephone Voice Low Reference	30	0.35	BK/YE	659	VII	-
31-34	-	-	-	-	-	Not Occupied	31-34	-	-	-	-	-
35	1	RD/VT	340	V	-	Battery Positive Voltage	35	1	RD/VT	340	IX	-
36	0.5	VT/BK	1639	III	-	Run/Crank Ignition 1 Voltage	36	0.5	VT/BK	1639	IX	-
37	1.5	VT	1701	I	-	Retained Accessory Power Fuse Supply Voltage	37	1.5	VT	1701	VI	-
38	0.5	RD/VT	340	IV	-	Battery Positive Voltage	38	0.5	RD/VT	340	VIII	-
39	0.75	BK	2050	IV	-	Ground	39	0.75	BK	2050	VIII	-
40	0.5	L-BU	2500	III	-	High Speed GMLAN Serial Data (+) (1)	40	0.5	L-BU	2500	VII	-
41	0.5	WH	2501	III	-	High Speed GMLAN Serial Data (-) (1)	41	0.5	WH	2501	VII	-
42-45	-	-	-	-	-	Not Occupied	42-45	-	-	-	-	-
46	0.5	RD/VT	3340	III	-	Battery Positive Voltage	46	0.5	RD/VT	3340	VII	-
47	0.35	VT/GY	539	II	-	Run/Crank Ignition 1 Voltage	47	0.35	VT/GY	539	VII	-
48	0.5	RD/WH	640	III	-	Battery Positive Voltage	48	0.5	RD/WH	640	VII	-

X305 Instrument Panel Harness to Floor Console Harness



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 7283-6447-40
Service Connector: 88956524
Description: 14-Way F Hybrid Series (L-GY)

Terminal Part Information

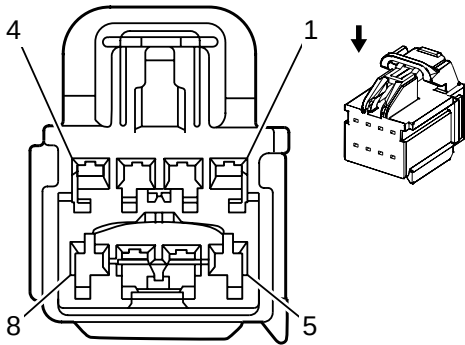
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575839	J-35616-35 (VT)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
II	13575850	J-35616-2A (GY)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

X305 Instrument Panel Harness to Floor Console Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	BK	2050	I	-	Ground	1	1.5	BK	2050	III	-
2	0.35	BK/WH	2051	II	-	Signal Ground	2	0.35	BK/WH	2051	III	-
3-5	-	-	-	-	-	Not Occupied	3-5	-	-	-	-	-
6	0.5	RD/VT	340	II	-	Battery Positive Voltage	6	0.5	RD/VT	340	III	-
7	1.5	VT	1701	I	-	Retained Accessory Power Fuse Supply Voltage	7	1.5	VT	1701	III	-
8	1.5	BK	2050	I	-	Ground	8	1.5	BK	2050	III	-
9	0.35	L-GN	5841	II	-	Right Auxiliary Audio Signal (2)	9	0.35	L-GN	5841	III	-
10	0.35	GY	5839	II	-	Left Auxiliary Audio Signal (2)	10	0.35	GY	5839	III	-
11	0.35	VT	5843	II	-	Auxiliary Audio Common Signal	11	0.35	VT	5843	III	-
12	0.5	BARE	5842	II	-	Auxiliary Audio Screen (2)	12	0.5	BK	5842	III	-

13	0.35	L-BU	2060	II	-	Auxiliary Detection Signal	13	0.35	L-BU	2060	III	-
14	1.5	VT	2101	I	-	Retained Accessory Power Fuse Supply Voltage	14	1.5	VT	2101	III	-

X306 Instrument Panel Harness to Floor Console Harness (MYB)



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 7283-3441-40
Service Connector: 19153166
Description: 8-Way F 1.5 Kaizen YESC Series (L-GY)

Terminal Part Information

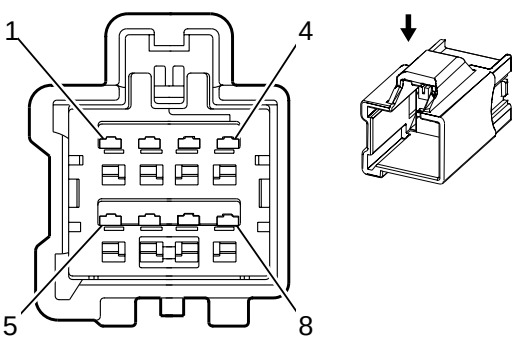
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

X306 Instrument Panel Harness to Floor Console Harness (MYB)

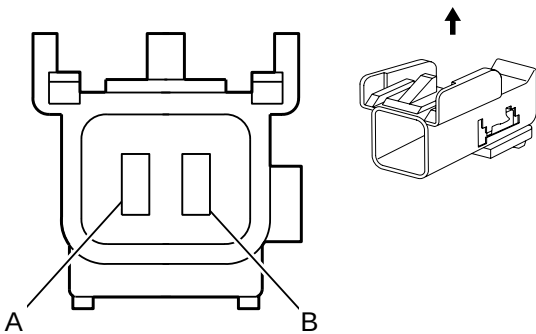
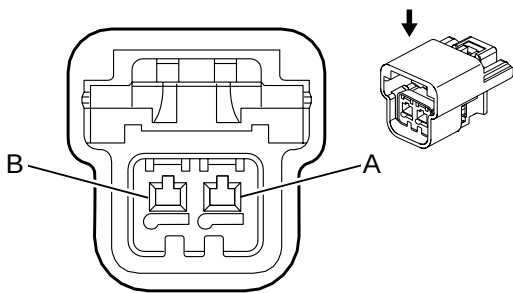
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	VT	801	I	-	Retained Accessory Power Fuse Supply Voltage	1	0.35	VT	801	II	-
2	0.5	L-GN/L-BU	6133	I	-	Linear Interconnect Network Bus 2	2	0.5	L-GN/L-BU	6133	II	-
3	0.35	BK	2050	I	-	Ground	3	0.35	BK	2050	II	-
4-5	-	-	-	-	-	Not Occupied	4-5	-	-	-	-	-
6	0.35	VT/YE	5526	I	-	Tap Up/Tap Down Switch Signal	6	0.35	VT/YE	5526	II	-
7	0.5	VT/BK	7553	I	-	Park Lock Solenoid Control	7	0.5	VT/BK	7553	II	-
8	0.5	WH/VT	5905	I	-	Key Capture/Column Lock Shift Position Signal	8	0.5	WH/VT	5905	II	-

Connector Part Information

Harness Type: Console
OEM Connector: 7282-3441-40
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way M 1.5 Kaizen YESC Series (L-GY)



X206 Instrument Panel Harness to HVAC Harness (C68)



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13668003
Service Connector: 19119754
Description: 2-Way F 150 GT FBT Series (BK)

Connector Part Information

Harness Type: HVAC
OEM Connector: 15332130
Service Connector: 88986459
Description: 2-Way M 150 GT Series (BK)

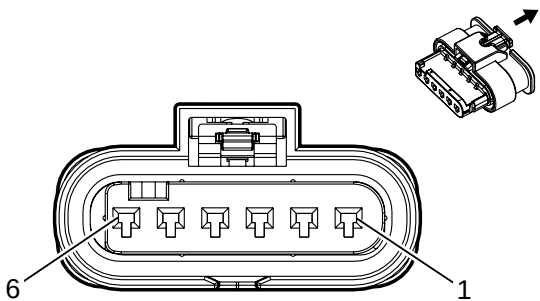
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X206 Instrument Panel Harness to HVAC Harness (C68)

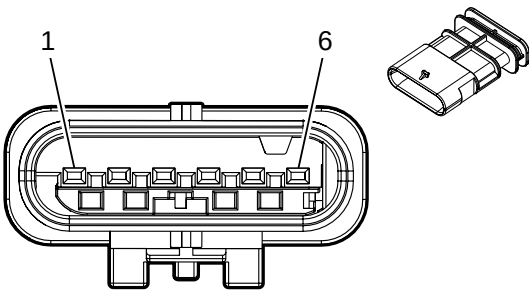
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
A	-	-	-	-	-	Not Occupied	A	-	-	-	-	-
B	0.5	BN	518	I	-	Lower Left Air Temperature Sensor Signal	B	0.5	BN	518	II	-

X207 Instrument Panel Harness to Passenger Air Bag Extension Harness



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13866749
Service Connector: 19300377
Description: 6-Way F 1.2 MCP Series, Sealed (YE)



Connector Part Information

Harness Type: Instrument Panel Air Bag
OEM Connector: Not Available
Service Connector: Service by Harness -- See Part Catalog
Description: 6-Way M (YE)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-16	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X207 Instrument Panel Harness to Passenger Air Bag Extension Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	YE/OG	3025	I	-	Passenger IP Module Stage 1 High Control	1	0.35	YE/OG	3025	II	-
2	0.35	OG/WH	3024	I	-	Passenger IP Module Stage 1 Low Control	2	0.35	OG/WH	3024	II	-
3	0.35	GY/OG	3026	I	-	Passenger IP Module Stage 2 Low Control	3	0.35	GY	3026	II	-
4	0.35	OG/VT	3027	I	-	Passenger IP Module Stage 2 High Control	4	0.35	OG/VT	3027	II	-
5	0.5	BK/WH	2051	I	-	Ground	5	0.5	BK/WH	2051	II	-
6	-	-	-	-	-	Not Occupied	6	-	-	-	-	-

X218 Instrument Panel COAX Harness to Body COAX Harness

Connector Part Information

Harness Type: Instrument Panel COAX
OEM Connector: COAX
Service Connector: Service by Cable Assembly - See Part Catalog
Description: 2-Way F Coax Type (BK)

Connector Part Information

Harness Type: Body COAX
OEM Connector: COAX
Service Connector: Service by Cable Assembly - See Part Catalog
Description: 2-Way M Coax Type (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X218 Instrument Panel COAX Harness to Body COAX Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
-	-	COAX	-	I	-	(AM/FM) Antenna RF Signal	-	-	COAX	-	I	-
	-	COAX	-		-	(FM2) Antenna RF Signal (2)		-	COAX	-		-

X219 Instrument Panel Harness to Body Harness

Connector Part Information

Harness Type: Instrument Panel COAX
OEM Connector: COAX
Service Connector: Service by Cable Assembly - See Part Catalog
Description: 2-Way F Coax Type (BK)

Connector Part Information

Harness Type: Body COAX
OEM Connector: COAX
Service Connector: Service by Cable Assembly - See Part Catalog
Description: 2-Way M Coax Type (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X219 Instrument Panel Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
-	-	COAX	-	I	-	(AM/FM) Antenna RF Signal	-	-	COAX	-	I	-

X220 Instrument Panel Harness to Body Harness

Connector Part Information

Harness Type: Instrument Panel COAX
OEM Connector: COAX
Service Connector: Service by Cable Assembly - See Part Catalog
Description: 2-Way F Coax Type (BK)

Connector Part Information

Harness Type: Body COAX
OEM Connector: COAX
Service Connector: Service by Cable Assembly - See Part Catalog
Description: 2-Way M Coax Type (BK)

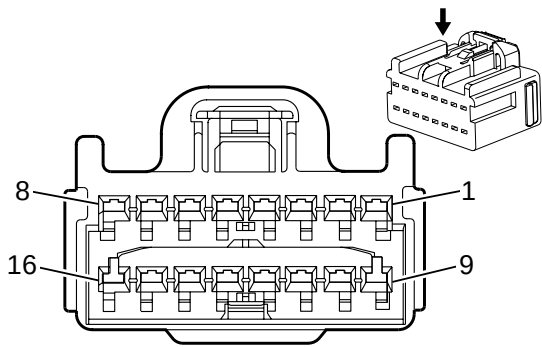
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X220 Instrument Panel Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
-	-	COAX	-	I	-	(GPS only) Coaxial Antenna GPS Signal	-	-	COAX	-	I	-

X300 Headliner Harness to Body Harness



Connector Part Information

Harness Type: Headliner
OEM Connector: 7283-6453-60
Service Connector: 89047090
Description: 16-Way F 1.5 Kaizen Series (GN)
Harness Type: Headliner Extension
OEM Connector: 7283-6453-60
Service Connector: Service by Harness - See Part Catalog
Description: 16-Way F 1.5 Kaizen Series (GN)

Terminal Part Information

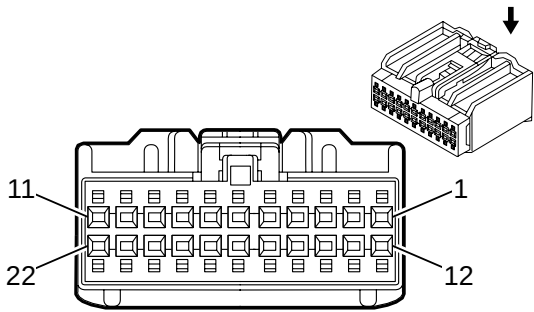
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13578891	J-35616-2A (GY)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available
III	13575818	J-35616-3 (GY)	J-38125-553	Not Available	Not Available	Not Available	Not Available

X300 Headliner Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	BK/BN	654	I	-	Cellular Telephone Microphone Low Reference	1	0.35	BK/BN	654	III	-
2	0.35	L-GN/BK	2515	I	-	Keypad Supply Voltage	2	0.35	L-GN/BK	2515	III	-
3	0.35	L-GN/WH	2514	I	-	Keypad Signal	3	0.35	L-GN/WH	2514	III	-
4	0.35	YE/VT	2516	I	-	Keypad Green LED	4	0.35	YE/VT	2516	III	-
5	0.35	BN/WH	2517	I	-	Keypad Red LED	5	0.35	BN/WH	2517	III	-
6	0.35	YE/RD	597	I	-	5 Volt Reference	6	0.35	YE/RD	597	III	-
7	0.35	BK/L-BU	7566	I	-	Humidity/Windscreen Temp Sensor Low Reference	7	0.35	BK/L-BU	7566	III	-
8	0.35	GY/L-GN	7565	I	-	Windscreen Temp Sensor Signal	8	0.35	GY/L-GN	7565	III	-

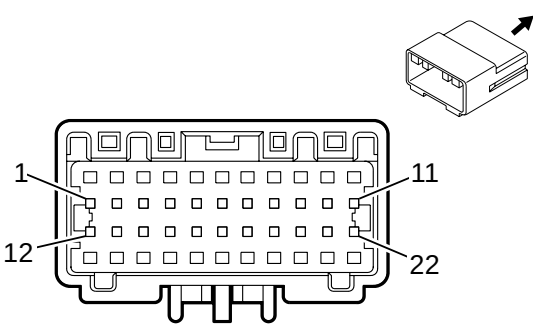
9	0.35	L-BU	655	I	-	Cellular Telephone Microphone Signal	9	0.35	L-BU	655	III	-
10	0.35	RD/L-GN	3140	I	-	Battery Positive Voltage	10	0.35	RD/L-GN	3140	III	-
11	0.35	BK	3450	I	-	Ground	11	0.35	BK	3150	III	-
12	0.35	WH	3152	I	-	Lane Departure Warning Indicator Control	12	0.35	WH	3152	III	-
13	0.35	GY/WH	3153	I	-	Lane Departure Warning Disable Switch Signal	13	0.35	GY/WH	3153	III	-
14	0.35	GY/L-BU	7564	I	-	Humidity Sensor Signal	14	0.35	GY/L-BU	7564	III	-
15	0.35	YE/L-BU	3197	I	-	Humidity Temperature Sensor Signal	15	0.35	YE/L-BU	3197	III	-
16	-	-	-	-	-	Not Occupied	16	-	-	-	-	-

X301 Headliner Harness to Body Harness



Connector Part Information

Harness Type: Headliner
OEM Connector: AIT2PB-22-2AK
Service Connector: 13504097
Description: 22-Way F 0.64 Kaizen Series (BK)
Harness Type: Headliner Extension
OEM Connector: AIT2PB-22-2AK
Service Connector: Service by Harness - See Part Catalog
Description: 22-Way F 0.64 Kaizen Series (BK)



Connector Part Information

Harness Type: Body
OEM Connector: 13892299
Service Connector: 19119921
Description: 22-Way M 0.64 Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
II	13575867	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
III	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available
IV	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
V	19299859	J-35616-65B (LT BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

X301 Headliner Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	GY/WH	3272	I	-	Remote Function Actuator Supply Voltage	1	0.35	GY/WH	3272	IV	-
2	0.35	YE/L-GN	3274	I	-	Remote Function Actuator Transmit Signal	2	0.35	YE/L-GN	3274	IV	-
3	0.35	L-BU/WH	3275	I	-	Remote Function Actuator Receive Signal	3	0.35	L-BU/WH	3275	IV	-
4	0.35	GY	3273	I	-	Remote Function Actuator Return	4	0.35	GY	3273	IV	-
5	0.5	YE	6817	I	-	LED Backlight Dimming Control	5	0.5	YE	6817	IV	-

6	0.5	WH/BN	6815	I	-	Inadvertent Power Control	6	0.75	WH/BN	6815	V	-
7	0.5	GY	157	I	-	Interior Lamp Control	7	0.5	GY	157	IV	-
8	0.35	GY/L-GN	328	I	-	Interior Lamp Defeat Switch Signal	8	0.35	GY/L-GN	328	IV	-
9	0.35	GY	156	I	-	Courtesy Lamp Switch Signal	9	0.35	GY	156	IV	-
10	0.5	VT/L-GN	1739	I	-	Run/Crank Ignition 1 Voltage	10	0.5	VT/L-GN	1739	IV	-
11	0.5	L-GN/WH	24	I	-	Backup Lamp Supply Voltage	11	0.5	L-GN/WH	24	IV	-
12	0.75	BK	2050	II	-	Ground	12	0.75	BK	3150	V	-
13	-	-	-	-	-	Not Occupied	13	-	-	-	-	-
14	0.35	VT/WH	5234	I	-	Passenger Seat Belt Indicator	14	0.35	VT/WH	5234	IV	-
15	0.35	L-BU	2307	I	-	Passenger Air Bag On Indicator Control	15	0.35	L-BU	2307	IV	-
16	0.35	L-GN	2308	I	-	Passenger Air Bag Off Indicator Control	16	0.35	L-GN	2308	IV	-
17	0.5	L-GN	5060	I	-	Low Speed GMLAN Serial Data	17	0.5	L-GN	5060	IV	-
18							18	0.5	L-GN/BN	6132	IV	-
19	0.35	VT/WH	1139	I	-	Run/Crank Ignition 1 Voltage	19	0.35	VT/WH	1139	IV	-
20-22	-	-	-	-	-	Not Occupied	20-22	-	-	-	-	-

X302 Floor Console Harness to Instrument Panel Harness

Connector Part Information

Harness Type: Console USB
OEM Connector: 13584760
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way F 2.0 Mini B USB Type (BK)

Connector Part Information

Harness Type: Instrument Panel USB
OEM Connector: RSD-111014-152
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini B USB Type (BK)

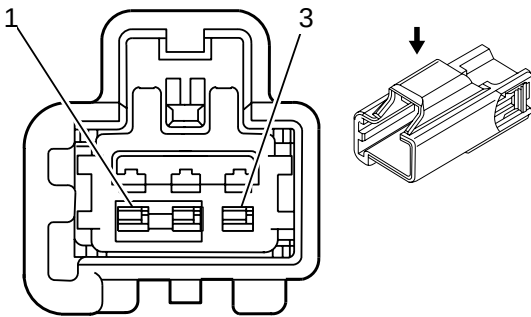
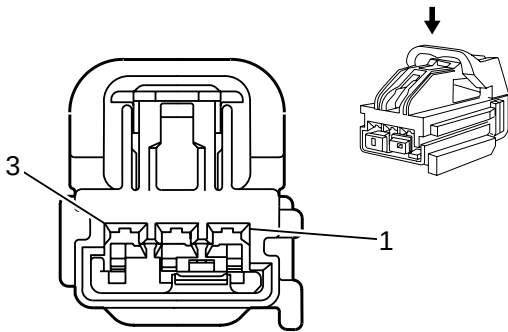
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X302 Floor Console Harness to Instrument Panel Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
-	-	USB	-	I	-	USB Serial Data	-	-	USB	-	I	-

X303 Body Harness to CHMSL Harness



Connector Part Information

Harness Type: Body
OEM Connector: 7283-3440-40
Service Connector: 19149536
Description: 3-Way F 1.5 Kaizen Series (L-GY)

Connector Part Information

Harness Type: CHMSL
OEM Connector: 7282-3440-40
Service Connector: 19167751
Description: 3-Way M 1.5 Kaizen YESC Series (L-GY)

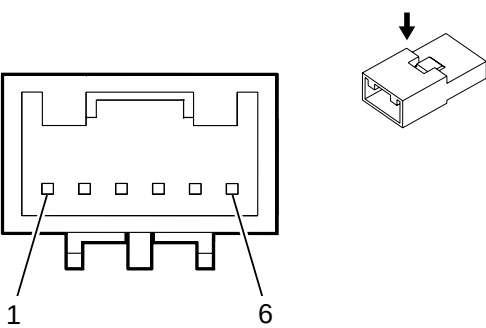
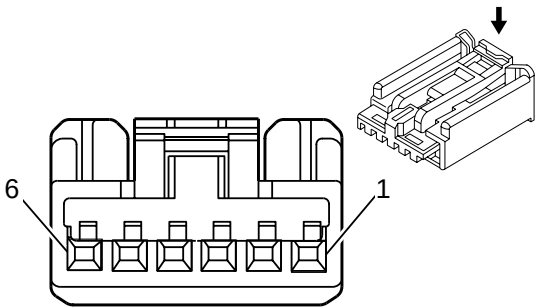
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X303 Body Harness to CHMSL Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	WH/VT	1430	I	-	Exterior Courtesy Lamp Supply Voltage	1	0.75	BN	1430	I	-
2	0.35	VT/GY	1054	I	-	Stop Lamp Supply Voltage	2	0.35	RD	1054	I	-
3	0.75	BK	3150	I	-	Ground	3	0.75	BK	3150	I	-

X304 Windshield Sensor Harness to Headliner Harness (C68)



Connector Part Information

Harness Type: Windshield Sensor
OEM Connector: 15269798
Service Connector: 19167753
Description: 6-Way F 0.64 Kaizen Series (BK)

Connector Part Information

Harness Type: Headliner
OEM Connector: AIT2WSB-06-1AK
Service Connector: 19153436
Description: 6-Way M 0.64 Kaizen Series (BK)

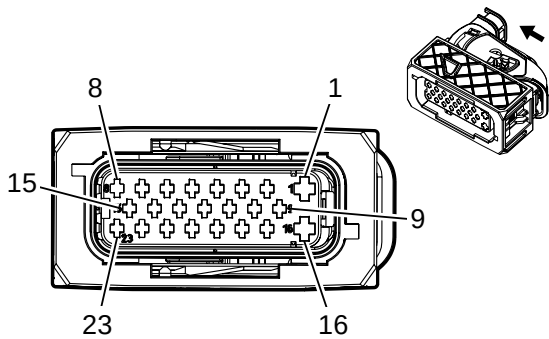
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-65B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

X304 Windshield Sensor Harness to Headliner Harness (C68)

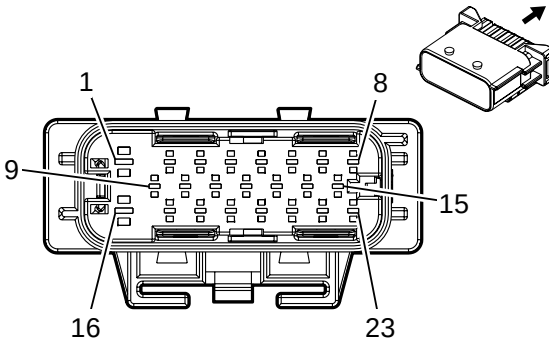
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	RD	597	I	-	5 Volt Reference	1	0.35	YE/RD	597	II	-
2	0.35	D-BU	7564	I	-	Humidity Sensor Signal	2	0.35	GY/L-BU	7564	II	-
3	0.35	BK	7566	I	-	Humidity/Windscreen Temp Sensor Low Reference	3	0.35	BK/L-BU	7566	II	-
4	0.35	L-GN	7565	I	-	Windscreen Temp Sensor Signal	4	0.35	GY/L-GN	7565	II	-
5	0.35	YE	3197	I	-	Humidity Temperature Sensor Signal	5	0.35	YE/L-BU	3197	II	-
6	-	-	-	-	-	Not Occupied	6	-	-	-	-	-

X310 Driver Seat Harness to Body Harness



Connector Part Information

Harness Type: Driver Seat
OEM Connector: 13674800
Service Connector: Service by Harness – See Part Catalog
Description: 23-Way F 1.5 DSQ, 2.8 AST Series, Sealed (BK)



Connector Part Information

Harness Type: Body
OEM Connector: 13674783
Service Connector: 19119358
Description: 23-Way M 1.5 DSQ, 2.8 AST Series, Sealed (BK)

Terminal Part Information

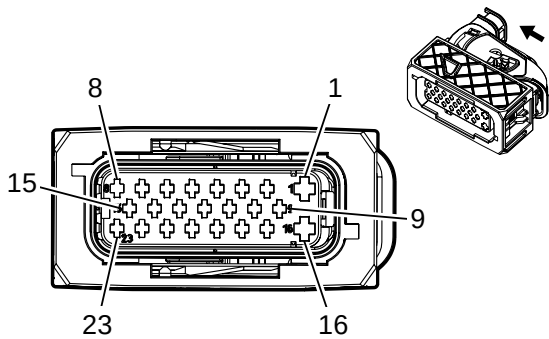
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	13578881	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
III	13327188	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
IV	13327190	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
V	13579756	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

X310 Driver Seat Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/YE	5040	I	AH9	Battery Positive Voltage	1	2.5	RD/YE	5040	II	AH9
2-6	-	-	-	-	-	Not Occupied	2-6	-	-	-	-	-
7	0.35	YE/OG	3482	I	CREW CAB	Driver Seat Belt Anchor Pretensioner Low Control	7	0.35	YE/OG	3482	V	CREW CAB
8	0.35	OG/YE	3481	I	CREW CAB	Driver Seat Belt Anchor Pretensioner High Control	8	0.35	OG/YE	3481	V	CREW CAB
9-10	-	-	-	-	-	Not Occupied	9-10	-	-	-	-	-
11	0.35	OG/BN	238	I	-	Driver Seat Belt Switch Signal	11	0.35	OG/BN	238	III	-
12	-	-	-	-	-	Not Occupied	12	-	-	-	-	-
13	0.75	BN	2432	I	KA1	Driver Heated Back Element Supply Voltage	13	0.75	BN	2432	IV	KA1

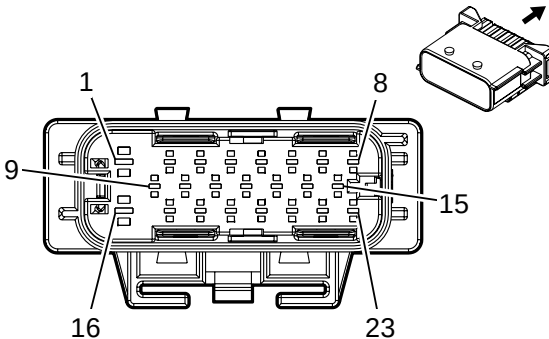
						voltage						
14	-	-	-	-	-	Not Occupied	14	-	-	-	-	-
15	0.35	L-GN/OG	3069	I	AY0	Driver Side Impact Module Low Control	15	0.35	L-GN/OG	3069	V	AY0
16	2.5	BK	3750	I	AH6/KA1/AL9	Ground	16	2.5	BK	3750	II	AH6/KA1/AL9
17-18	-	-	-	-	-	Not Occupied	17-18	-	-	-	-	-
19	0.35	BK/OG	1363	I	-	Driver Seat Belt Switch Low Reference	19	0.35	BK/OG	1363	V	-
20	-	-	-	-	-	Not Occupied	20	-	-	-	-	-
21	0.75	BN/VT	2077	I	KA1	Driver Heated Seat Element Supply Voltage	21	0.75	BN/VT	2077	IV	KA1
22	-	-	-	-	-	Not Occupied	22	-	-	-	-	-
23	0.35	OG/L-BU	3068	I	AY0	Driver Side Impact Module High Control	23	0.35	OG/L-BU	3068	V	AY0

X320 Passenger Seat Harness to Body Harness



Connector Part Information

Harness Type: Passenger Seat
OEM Connector: 13674800
Service Connector: Service by Harness – See Part Catalog
Description: 23-Way F 1.5 DSQ, 2.8 AST Series, Sealed (BK)



Connector Part Information

Harness Type: Body
OEM Connector: 13674783
Service Connector: 19119358
Description: 23-Way M 1.5 DSQ, 2.8 AST Series, Sealed (BK)

Terminal Part Information

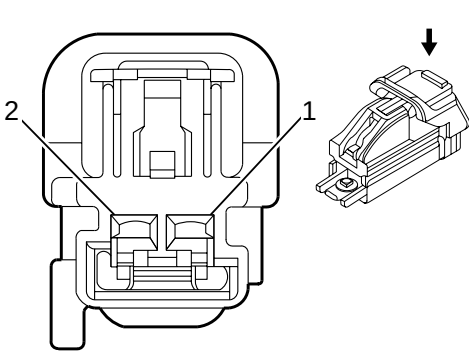
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	13578881	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
III	13579756	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
IV	13327190	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
V	13579985	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

X320 Passenger Seat Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/BN	1440	I	AAQ	Battery Positive Voltage	1	2.5	RD/BN	1440	II	AAQ
2	-	-	-	-	-	Not Occupied	2	-	-	-	-	-
3	0.75	RD/L-GN	5140	I	KA1	Battery Positive Voltage	3	0.75	RD/L-GN	5140	IV	KA1
4	-	-	-	-	-	Not Occupied	4	-	-	-	-	-
5	0.5	BK/WH	2251	I	AL0	Signal Ground	5	0.5	BK/WH	2251	V	AL0
6	0.35	L-GN	5060	I	AL0	Low Speed GMLAN Serial Data	6	0.35	L-GN	5060	III	AL0
7	0.35	GY/OG	3480	I	CREW CAB	Passenger Seat Belt Anchor Pretensioner Low Control	7	0.35	GY/OG	3480	III	CREW CAB
8	0.35	OG/BN	3479	I	CREW CAB	Passenger Seat Belt Anchor Pretensioner High Control	8	0.35	OG/BN	3479	III	CREW CAB
9	0.75	RD/L-GN	6140	I	KA1	Battery Positive Voltage	9	0.75	RD/L-GN	6140	IV	KA1

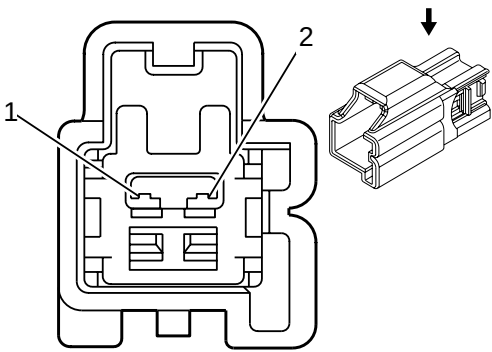
9	0.75	RD/L-GN	6140	I	KA1	Battery Positive Voltage	9	0.75	RD/L-GN	6140	IV	KA1
10	-	-	-	-	-	Not Occupied	10	-	-	-	-	-
11	0.35	OG/VT	1362	I	-	Passenger Seat Belt Switch Signal	11	0.35	OG/VT	1362	III	-
12	0.35	RD/L-GN	4440	I	AL0	Battery Positive Voltage	12	0.35	RD/L-GN	4440	III	AL0
13	0.75	BN	2432	I	KA1	Driver Heated Back Element Supply Voltage	13	0.75	BN	2432	IV	KA1
14	-	-	-	-	-	Not Occupied	14	-	-	-	-	-
15	0.35	BN/OG	3067	I	AY0	Passenger Side Impact Module Low Control	15	0.35	BN/OG	3067	III	AY0
16	2.5	BK	3850	I	AAQ/KA1/AT9	Ground	16	2.5	BK	3850	II	AAQ/KA1/AT9
17	-	-	-	-	-	Not Occupied	17	-	-	-	-	-
18	0.5	L-GN/L-BU	6133	I	KA1	Linear Interconnect Network Bus 2	18	0.5	L-GN/L-BU	6133	IV	KA1
19	0.35	BK/OG	1361	I	-	Passenger Seat Belt Switch Low Reference	19	0.35	BK/OG	1361	III	-
20	-	-	-	-	-	Not Occupied	20	-	-	-	-	-
21	0.75	BN/VT	2077	I	KA1	Driver Heated Seat Element Supply Voltage	21	0.75	BN/VT	2077	IV	KA1
22	-	-	-	-	-	Not Occupied	22	-	-	-	-	-
23	0.35	OG/GY	3066	I	AY0	Passenger Side Impact Module High Control	23	0.35	OG/GY	3066	III	AY0

X399 Instrument Panel Harness to Instrument Panel Harness



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 7283-6443-40
Service Connector: 88988504
Description: 2-Way F 1.5 YESC Series (L-GY)



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 7282-6443-40
Service Connector: 88988503
Description: 2-Way M 1.5 Series (L-GY)

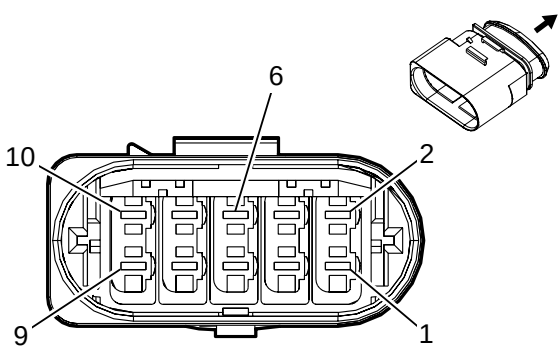
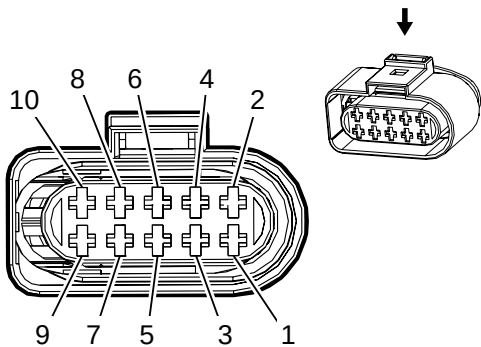
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

X399 Instrument Panel Harness to Instrument Panel Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	GY/VT	3998	I	-	MOST Serial Data (+)	1	0.5	GY/VT	3998	I	-
2	0.5	WH/L-GN	3997	I	-	MOST Serial Data (-)	2	0.5	WH/L-GN	3997	I	-

X400 Chassis Harness to License Lamp Harness



Connector Part Information

Harness Type: Chassis
OEM Connector: 493577-2
Service Connector: 19301910
Description: 10-Way F 2.8 Junior Mini Timer Series, Sealed (BK)

Connector Part Information

Harness Type: License Lamp
OEM Connector: 1718167-1
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way M 2.8 Series, Sealed (BK)

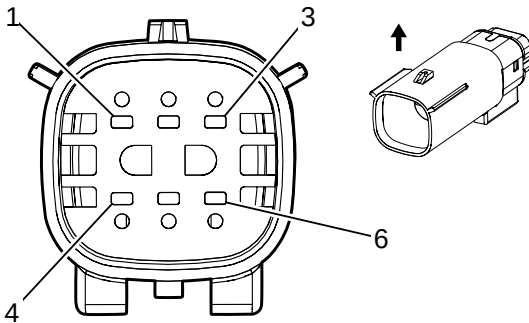
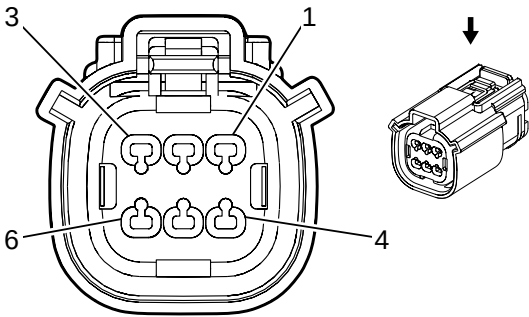
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13580821	J-35616-4A (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

X400 Chassis Harness to License Lamp Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	L-GN/YE	6846	I	-	Rear License Lamp Supply Voltage	1	0.5	L-GN/YE	6846	II	-
2	0.5	BK	750	I	-	Ground	2	0.5	BK	750	II	-
3-4	-	-	-	-	-	Not Occupied	3-4	-	-	-	-	-
5	0.5	WH/L-BU	6973	I	-	Camera Signal #2	5	0.5	WH/L-BU	6973	II	-
6	0.5	GY/YE	6972	I	-	Camera Signal #2 +	6	0.5	GY/YE	6972	II	-
7	0.5	L-GN	6974	I	-	Camera Drain Wire	7	0.5	L-GN	6974	II	-
8	0.5	BK/WH	751	I	-	Signal Ground	8	0.5	BK/WH	751	II	-
9	0.5	VT/L-GN	1739	I	-	Run/Crank Ignition 1 Voltage	9	0.5	VT/L-GN	1739	II	-
10	0.5	L-GN/WH	24	I	-	Backup Lamp Supply Voltage	10	0.5	L-GN/WH	24	II	-

X410 Left Rear Lamp Harness to Chassis Harness



Connector Part Information

Harness Type: Left Rear Lamp
OEM Connector: 19178149
Service Connector: 13585853
Description: 6-Way F 150 MX Series, Sealed (BK)

Connector Part Information

Harness Type: Chassis
OEM Connector: 13503535
Service Connector: 13576414
Description: 6-Way M 150 MX Series, Sealed (BK)

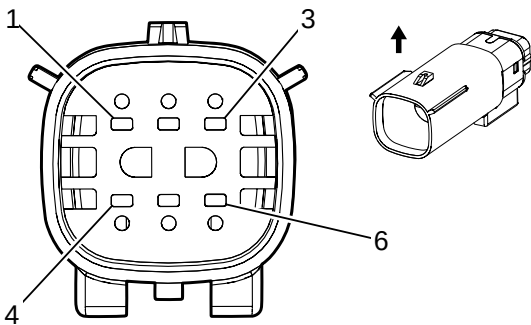
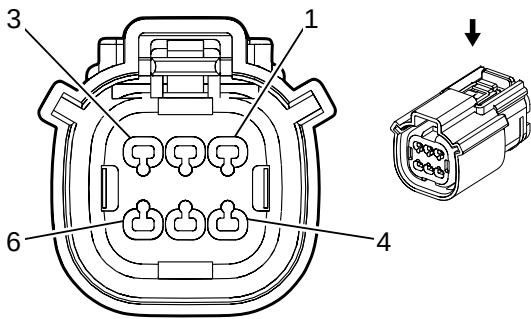
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

X410 Left Rear Lamp Harness to Chassis Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	L-GN/WH	24	I	-	Backup Lamp Supply Voltage	1	0.5	L-GN/WH	24	II	-
2	0.75	BN/L-BU	2509	I	-	Left Rear Park Lamp Supply Voltage	2	0.75	BN/L-BU	2509	II	-
3	0.75	GY/YE	7542	I	-	Left Rear Stop Lamp Supply Voltage	3	0.75	GY/YE	7542	II	-
4	1.5	BK	750	I	-	Ground	4	1.5	BK	750	II	-
5-6	-	-	-	-	-	Not Occupied	5-6	-	-	-	-	-

X420 Right Rear Lamp Harness to Chassis Harness



Connector Part Information

Harness Type: Right Rear Lamp
OEM Connector: 19178149
Service Connector: 13585853
Description: 6-Way F 150 MX Series, Sealed (BK)

Connector Part Information

Harness Type: Chassis
OEM Connector: 13503535
Service Connector: 13576414
Description: 6-Way M 150 MX Series, Sealed (BK)

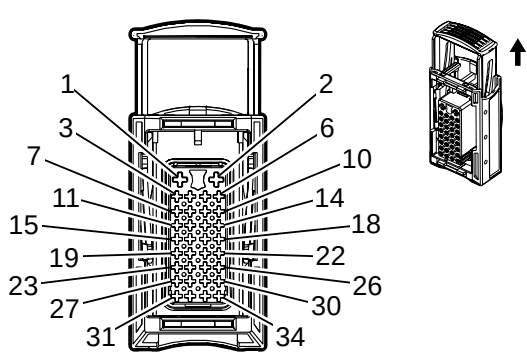
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-64B (LT BU)	Not Available	Not Available	Not Available	Not Available	Not Available

X420 Right Rear Lamp Harness to Chassis Harness

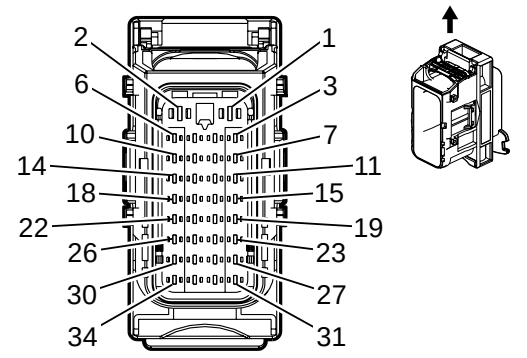
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	L-GN/WH	24	I	-	Backup Lamp Supply Voltage	1	0.5	L-GN/WH	24	II	-
2	0.75	BN/GY	2609	I	-	Right Rear Park Lamp Supply Voltage	2	0.75	BN/GY	2609	II	-
3	0.75	WH/YE	7541	I	-	Right Rear Stop Lamp Supply Voltage	3	0.75	WH/YE	7541	II	-
4	1.5	BK	850	I	-	Ground	4	1.5	BK	850	II	-
5-6	-	-	-	-	-	Not Occupied	5-6	-	-	-	-	-

X500 Body Harness to Driver Door Harness



Connector Part Information

Harness Type: Body
OEM Connector: 30432411
Service Connector: 19300485
Description: 34-Way F 1.5, 2.8 Series, Sealed (BK)



Connector Part Information

Harness Type: Driver Door
OEM Connector: 3 053 06 11
Service Connector: Service by Harness - See Part Catalog
Description: 34-Way M 1.5, 2.8 Series, Sealed (BK)

Terminal Part Information

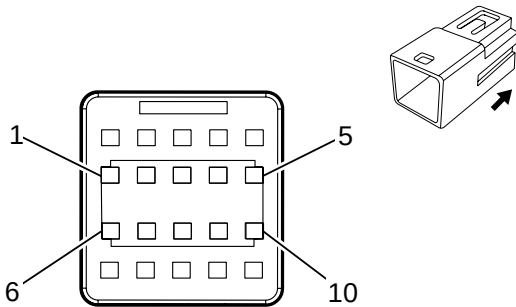
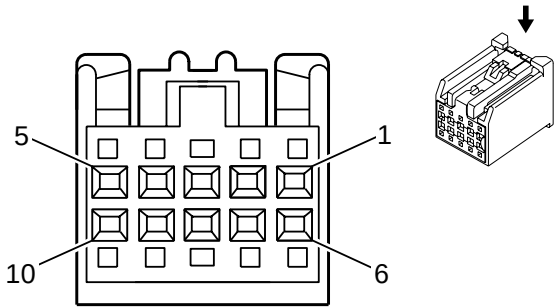
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	13588058	J-35616-14 (GN)	J-38125-560	964274-2	16	E	1
III	13587465	J-35616-14 (GN)	J-38125-560	4-969005-1	16	E	1
IV	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

X500 Body Harness to Driver Door Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/L-BU	1240	I	-	Battery Positive Voltage	1	2.5	RD/L-BU	1240	IV	-
2	2.5	BK	3550	I	-	Ground	2	2.5	BK	3550	IV	-
3	0.35	WH	3398	III	-	Co-Driver Mirror Motor Common Control	3	0.35	WH	3398	IV	-
4	0.5	BN/YE	2267	II	-	Mirror Heating Element Supply Voltage	4	0.5	BN/YE	2267	IV	-
5	0.35	YE/VT	3397	III	-	Co-Driver Mirror Motor Up (+) Down (-) Control	5	0.35	YE/VT	3397	IV	-
6	0.35	L-GN/BK	3396	III	-	Co-Driver Mirror Motor Right (+) Left (-) Control	6	0.35	L-GN/BK	3396	IV	-
7-8	-	-	-	-	-	Not Occupied	7-8	-	-	-	-	-
9	1	BN/L-BU	118	II	-	Left Front Speaker Signal (-) (1)	9	1	BN/L-BU	118	IV	-
10	1	L-BU	201	II	-	Left Front Speaker (+) (1)	10	1	L-BU	201	IV	-

11	-	-	-	-	-	Not Occupied	11	-	-	-	-	-
12	0.35	WH	6816	III	-	Indicator Dimming Control	12	0.35	WH	6816	IV	-
13	-	-	-	-	-	Not Occupied	13	-	-	-	-	-
14	0.35	OG/L-GN	2132	III	-	Left Front Side Impact Sensing Module Signal	14	0.35	OG/L-GN	2132	IV	-
15	0.35	BK/OG	6628	III	-	Left Front Side Impact Sensing Module Low Reference	15	0.35	BK/OG	6628	IV	-
16	0.35	RD/VT	1940	III	-	Battery Positive Voltage	16	0.5	RD/VT	1940	IV	-
17	0.35	BN/WH	781	III	-	Driver Door Lock Switch Unlock Signal	17	0.35	BN/WH	781	IV	-
18	0.35	BN/YE	780	III	-	Driver Door Lock Switch Lock Signal	18	0.35	BN/YE	780	IV	-
19	0.75	BN/YE	294	II	-	Door Lock Actuator Unlock Control	19	0.75	BN/YE	294	IV	-
20	0.75	GY	5911	II	-	Door Lock Actuator Lock Control 2	20	0.75	GY	5911	IV	-
21-25	-	-	-	-	-	Not Occupied	21-25	-	-	-	-	-
26	0.35	YE	6817	III	-	LED Backlight Dimming Control	26	0.35	YE	6817	IV	-
27-31	-	-	-	-	-	Not Occupied	27-31	-	-	-	-	-
32	0.35	GY	5697	III	-	Child Lockout Indicator	32	0.35	GY	5697	IV	-
33	0.5	L-GN/YE	6134	II	-	Linear Interconnect Network Bus 3	33	0.5	L-GN/YE	6134	IV	-
34	0.35	YE/BN	3265	III	-	Child Security Lock Switch Signal	34	0.35	YE/BN	3265	IV	-

X510 Driver Outside Rearview Mirror Harness to Driver Door Harness



Connector Part Information

Harness Type: Driver Outside Rearview Mirror
OEM Connector: 13577390
Service Connector: 13577390
Description: 10-Way F 0.64 Kaizen Series (BK)

Connector Part Information

Harness Type: Driver Door
OEM Connector: AIT2WSB-10A-2AK
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way M 0.64 Kaizen Series (BK)

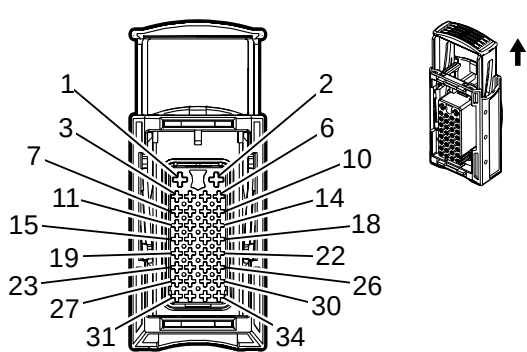
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

X510 Driver Outside Rearview Mirror Harness to Driver Door Harness

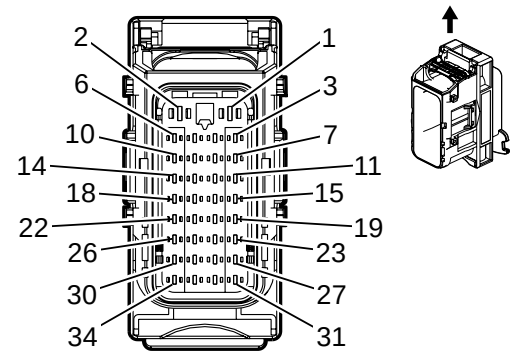
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	YE/BN	3391	I	DL6	Driver Mirror Motor Common Control	1	0.35	YE/BN	3391	II	DL6
2	0.35	VT/L-BU	3390	I	DL6	Driver Mirror Motor Up (+) Down (-) Control	2	0.35	VT/L-BU	3390	II	DL6
3	0.35	BN/BK	3389	I	DL6	Driver Mirror Motor Right (+) Left (-) Control	3	0.35	BN/BK	3389	II	DL6
4	0.5	BN/YE	2267	I	DL9	Mirror Heating Element Supply Voltage	4	0.5	BN/YE	2267	II	DL9
5	0.5	BK	3550	I	DL9	Ground	5	0.5	BK	3550	II	DL9
6-10	-	-	-	-	-	Not Occupied	6-10	-	-	-	-	-

X600 Body Harness to Passenger Door Harness



Connector Part Information

Harness Type: Body
OEM Connector: 30432411
Service Connector: 19300485
Description: 34-Way F 1.5, 2.8 Series, Sealed (BK)



Connector Part Information

Harness Type: Passenger Door
OEM Connector: 3 053 06 11
Service Connector: Service by Harness - See Part Catalog
Description: 34-Way M 1.5, 2.8 Series, Sealed (BK)

Terminal Part Information

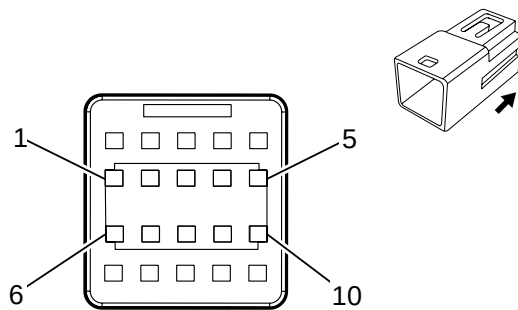
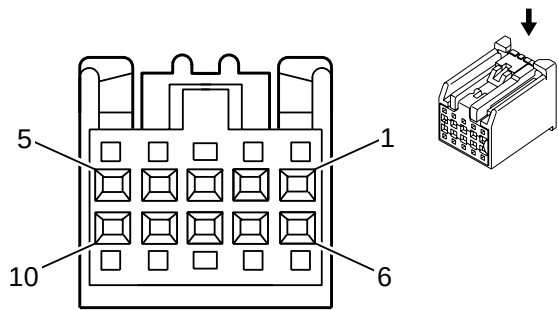
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	13588058	J-35616-14 (GN)	J-38125-560	964274-2	16	E	1
III	13587465	J-35616-14 (GN)	J-38125-560	4-969005-1	16	E	1
IV	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

X600 Body Harness to Passenger Door Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/WH	1340	I	-	Battery Positive Voltage	1	2.5	RD/WH	1340	IV	-
2	2.5	BK	3650	I	-	Ground	2	2.5	BK	3650	IV	-
3	0.35	WH	3398	III	-	Co-Driver Mirror Motor Common Control	3	0.35	WH	3398	IV	-
4	0.5	BN/YE	2267	II	-	Mirror Heating Element Supply Voltage	4	0.5	BN/YE	2267	IV	-
5	0.35	YE/VT	3397	III	-	Co-Driver Mirror Motor Up (+) Down (-) Control	5	0.35	YE/VT	3397	IV	-
6	0.35	L-GN/BK	3396	III	-	Co-Driver Mirror Motor Right (+) Left (-) Control	6	0.35	L-GN/BK	3396	IV	-
7-8	-	-	-	-	-	Not Occupied	7-8	-	-	-	-	-
9	1	YE/BK	117	II	-	Right Front Speaker Signal (-) (1)	9	1	YE/BK	117	IV	-
10	1	YE	200	II	-	Right Front Speaker (+) (1)	10	1	YE	200	IV	-

11-13	-	-	-	-	-	Not Occupied	11-13	-	-	-	-	-
14	0.35	BN/OG	2134	III	-	Right Front Side Impact Sensing Module Signal	14	0.35	BN/OG	2134	IV	-
15	0.35	BK/OG	6629	III	-	Right Front Side Impact Sensing Module Low Reference	15	0.35	BK/OG	6629	IV	-
16	-	-	-	-	-	Not Occupied	16	-	-	-	-	-
17	0.35	BN/VT	245	III	-	Passenger Door Lock Switch Unlock Control	17	0.35	BN/VT	245	IV	-
18	0.35	YE/VT	244	III	-	Passenger Door Lock Switch Lock Control	18	0.35	YE/VT	244	IV	-
19	0.75	BN/YE	294	II	-	Door Lock Actuator Unlock Control	19	0.75	BN/YE	294	IV	-
20	0.75	GY	295	II	-	Door Lock Actuator Lock Control	20	0.75	GY	295	IV	-
21-25	-	-	-	-	-	Not Occupied	21-25	-	-	-	-	-
26	0.35	YE	6817	III	-	LED Backlight Dimming Control	26	0.35	YE	6817	IV	-
27-32	-	-	-	-	-	Not Occupied	27-32	-	-	-	-	-
33	0.5	L-GN/YE	6134	II	-	Linear Interconnect Network Bus 3	33	0.5	L-GN/YE	6134	IV	-
34	-	-	-	-	-	Not Occupied	34	-	-	-	-	-

X610 Passenger Outside Rearview Mirror Harness to Passenger Door Harness



Connector Part Information

Harness Type: Passenger Outside Rearview Mirror
OEM Connector: 13577390
Service Connector: 13577390
Description: 10-Way F 0.64 Kaizen Series (BK)

Connector Part Information

Harness Type: Passenger Door
OEM Connector: AIT2WSB-10A-2AK
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way M 0.64 Kaizen Series (BK)

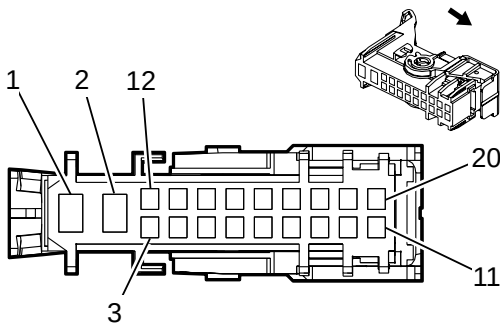
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available

X610 Passenger Outside Rearview Mirror Harness to Passenger Door Harness

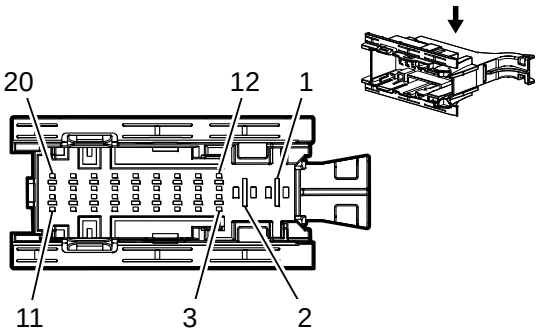
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	WH	3398	I	DL6	Co-Driver Mirror Motor Common Control	1	0.35	WH	3398	II	DL6
2	0.35	YE/VT	3397	I	DL6	Co-Driver Mirror Motor Up (+) Down (-) Control	2	0.35	YE/VT	3397	II	DL6
3	0.35	L-GN/BK	3396	I	DL6	Co-Driver Mirror Motor Right (+) Left (-) Control	3	0.35	L-GN/BK	3396	II	DL6
4	0.5	BN/YE	2267	I	DL9	Mirror Heating Element Supply Voltage	4	0.5	BN/YE	2267	II	DL9
5	0.5	BK	3650	I	DL9	Ground	5	0.5	BK	3650	II	DL9
6-10	-	-	-	-	-	Not Occupied	6-10	-	-	-	-	-

X700 Left Rear Door Harness to Body Harness (Crew Cab)



Connector Part Information

Harness Type: Left Rear Door
OEM Connector: 13678789
Service Connector: Service by Harness - See Part Catalog
Description: 20-Way F 4.8 Timer/1.5 DSQ Series (GY)



Connector Part Information

Harness Type: Body
OEM Connector: 13600495
Service Connector: 13576560
Description: 20-Way M 1.5, 5.8 Timer Series (GY)

Terminal Part Information

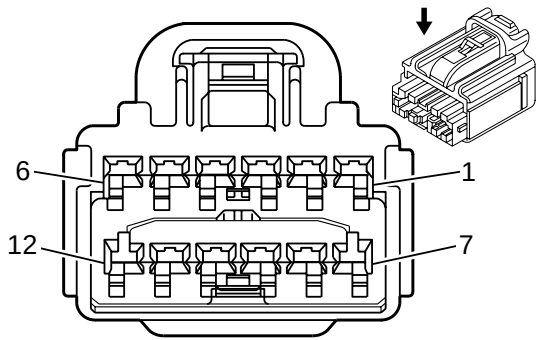
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-14 (GN)	Not Available	Not Available	Not Available	Not Available	Not Available
III	13575706	J-35616-42 (RD)	J-38125-36	Not Available	Not Available	Not Available	Not Available
IV	13327176	J-35616-14 (GN)	J-38125-560	964265-2	28	E	C
V	13575556	J-35616-14 (GN)	J-38125-560	964265-2	28	C	A
VI	13327174	J-35616-14 (GN)	J-38125-560	964265-2	28	E	2
VII	13327176	J-35616-14 (GN)	J-38125-560	964265-2	28	E	2

X700 Left Rear Door Harness to Body Harness (Crew Cab)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/L-BU	1240	I	-	Battery Positive Voltage	1	2.5	RD/L-BU	1240	III	-
2	2.5	BK	3350	I	-	Ground	2	2.5	BK	3350	III	-
3-6	-	-	-	-	-	Not Occupied	3-6	-	-	-	-	-
7	1	L-GN	199	II	-	Left Rear Speaker (+)	7	1	L-GN	199	V	-
8	-	-	-	-	-	Not Occupied	8	-	-	-	-	-
9	0.75	WH/L-BU	3266	II	-	Child Security Lock Motor Unlock Control	9	0.75	WH/L-BU	3266	IV	-
10	0.75	BN/YE	294	II	-	Door Lock Actuator Unlock Control	10	0.75	BN/YE	294	IV	-
11	0.75	GY	295	II	-	Door Lock Actuator Lock Control	11	0.75	GY	295	IV	-

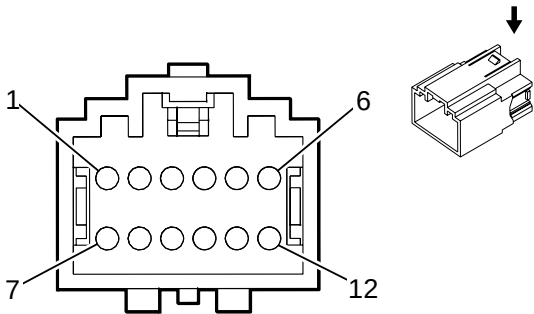
						Lock Control						
12-15	-	-	-	-	-	Not Occupied	12-15	-	-	-	-	-
16	1	L-GN/BK	116	II	-	Left Rear Speaker Signal (-)	16	1	L-GN/BK	116	V	-
17-18	-	-	-	-	-	Not Occupied	17-18	-	-	-	-	-
19	0.35	BN/WH	3269	I	-	Child Security Lock Motor Status Signal Left Rear	19	0.35	BN/WH	3269	VI	-
20	0.5	L-GN/GY	6135	I	-	Linear Interconnect Network Bus 4	20	0.5	L-GN/GY	6135	VII	-

X700 Left Rear Door Harness to Body Harness (Extended Cab)



Connector Part Information

Harness Type: Left Rear Door
OEM Connector: 7283-3442-40
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way F YESC Kaizen Series (L-GY)



Connector Part Information

Harness Type: Body
OEM Connector: 7282-3442-40
Service Connector: 88988266
Description: 12-Way M 1.5 Series (L-GY)

Terminal Part Information

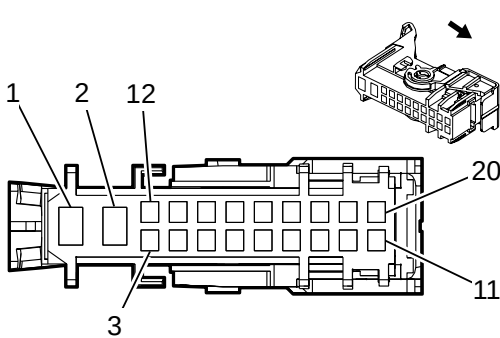
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available
II	13575818	J-35616-3 (GY)	J-38125-553	Not Available	Not Available	Not Available	Not Available
III	19329753	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

X700 Left Rear Door Harness to Body Harness (Extended Cab)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	-	-	-	-	-	Not Occupied	1	-	-	-	-	-
2	0.35	OG/YE	3481	I	-	Driver Seat Belt Anchor Pretensioner High Control	2	0.35	OG/YE	3481	III	-
3	0.35	OG/WH	3477	I	-	Driver Seat Belt Retractor Pretensioner High Control	3	0.35	OG/WH	3477	III	-
4	1	L-GN/BK	116	I	-	Left Rear Speaker Signal (-)	4	1	L-GN/BK	116	II	-
5	0.35	GY	747	I	-	Left Rear Door Ajar Switch Signal	5	0.35	GY	747	II	-
6-7	-	-	-	-	-	Not Occupied	6-7	-	-	-	-	-
8	0.35	YE/OG	3482	I	-	Driver Seat Belt Anchor Pretensioner Low Control	8	0.35	YE/OG	3482	III	-
9	0.35	GY/OG	3478	I	-	Driver Seat Belt Retractor Pretensioner Low Control	9	0.35	GY/OG	3478	III	-

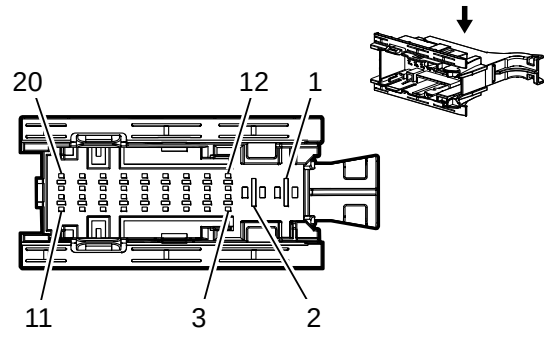
10	1	L-GN	199	I	-	Left Rear Speaker (+)	10	1	L-GN	199	II	-
11	0.35	BK	3350	I	-	Ground	11	0.5	BK	3350	II	-
12	-	-	-	-	-	Not Occupied	12	-	-	-	-	-

X800 Right Rear Door Harness to Body Harness (Crew Cab)



Connector Part Information

Harness Type: Right Rear Door
OEM Connector: 13678789
Service Connector: Service by Harness - See Part Catalog
Description: 20-Way F 4.8 Timer/1.5 DSQ Series (GY)



Connector Part Information

Harness Type: Body
OEM Connector: 13600495
Service Connector: 13576560
Description: 20-Way M 1.5, 5.8 Timer Series (GY)

Terminal Part Information

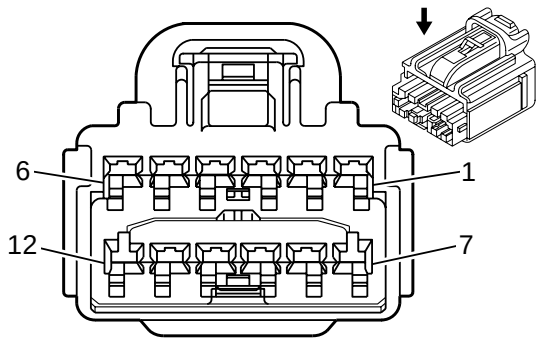
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-14 (GN)	Not Available	Not Available	Not Available	Not Available	Not Available
III	13575706	J-35616-42 (RD)	J-38125-36	Not Available	Not Available	Not Available	Not Available
IV	13327176	J-35616-14 (GN)	J-38125-560	964265-2	28	E	C
V	13575556	J-35616-14 (GN)	J-38125-560	964265-2	28	C	A
VI	13327174	J-35616-14 (GN)	J-38125-560	964265-2	28	E	2
VII	13327176	J-35616-14 (GN)	J-38125-560	964265-2	28	E	2

X800 Right Rear Door Harness to Body Harness (Crew Cab)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/WH	1340	I	-	Battery Positive Voltage	1	2.5	RD/WH	1340	III	-
2	2.5	BK	3450	I	-	Ground	2	2.5	BK	3450	III	-
3-6	-	-	-	-	-	Not Occupied	3-6	-	-	-	-	-
7	1	WH	46	II	-	Right Rear Speaker (+)	7	1	WH	46	V	-
8	-	-	-	-	-	Not Occupied	8	-	-	-	-	-
9	0.75	WH/L-BU	3266	II	-	Child Security Lock Motor Unlock Control	9	0.75	WH/L-BU	3266	IV	-
10	0.75	BN/YE	294	II	-	Door Lock Actuator Unlock Control	10	0.75	BN/YE	294	IV	-
11	0.75	GY	295	II	-	Door Lock Actuator Lock Control	11	0.75	GY	295	IV	-

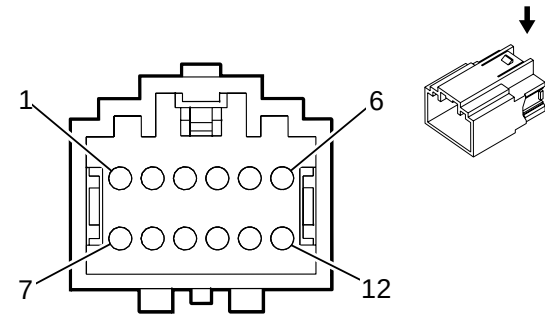
						Lock Control						
12-15	-	-	-	-	-	Not Occupied	12-15	-	-	-	-	-
16	1	L-BU/BK	115	II	-	Right Rear Speaker Signal (-)	16	1	L-BU/BK	115	V	-
17-18	-	-	-	-	-	Not Occupied	17-18	-	-	-	-	-
19	0.35	GY/BK	3268	I	-	Child Security Lock Motor Status Signal Right Rear	19	0.35	GY/BK	3268	VI	-
20	0.5	L-GN/GY	6135	I	-	Linear Interconnect Network Bus 4	20	0.5	L-GN/GY	6135	VII	-

X800 Right Rear Door Harness to Body Harness (Extended Cab)



Connector Part Information

Harness Type: Right Rear Door
OEM Connector: 7283-3442-40
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way F YESC Kaizen Series (L-GY)



Connector Part Information

Harness Type: Body
OEM Connector: 7282-3442-40
Service Connector: 88988266
Description: 12-Way M 1.5 Series (L-GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	Not Available	Not Available	Not Available	Not Available	Not Available
II	13575818	J-35616-3 (GY)	J-38125-553	Not Available	Not Available	Not Available	Not Available
III	19329753	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

X800 Right Rear Door Harness to Body Harness (Extended Cab)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	-	-	-	-	-	Not Occupied	1	-	-	-	-	-
2	0.35	OG/BN	3479	I	-	Passenger Seat Belt Anchor Pretensioner High Control	2	0.35	OG/BN	3479	III	-
3	0.35	OG/L-GN	3475	I	-	Passenger Seat Belt Retractor Pretensioner High Control	3	0.35	OG/L-GN	3475	III	-
4	1	L-BU/BK	115	I	-	Right Rear Speaker Signal (-)	4	1	L-BU/BK	115	II	-
5	0.35	GY	748	I	-	Right Rear Door Ajar Switch Signal	5	0.35	GY	748	II	-
6-7	-	-	-	-	-	Not Occupied	6-7	-	-	-	-	-
8	0.35	GY/OG	3480	I	-	Driver Seat Belt Anchor Pretensioner Low Control	8	0.35	GY/OG	3480	III	-
9	0.35	WH/OG	3476	I	-	Passenger Seat Belt Anchor Pretensioner Low Control	9	0.35	WH/OG	3476	III	-

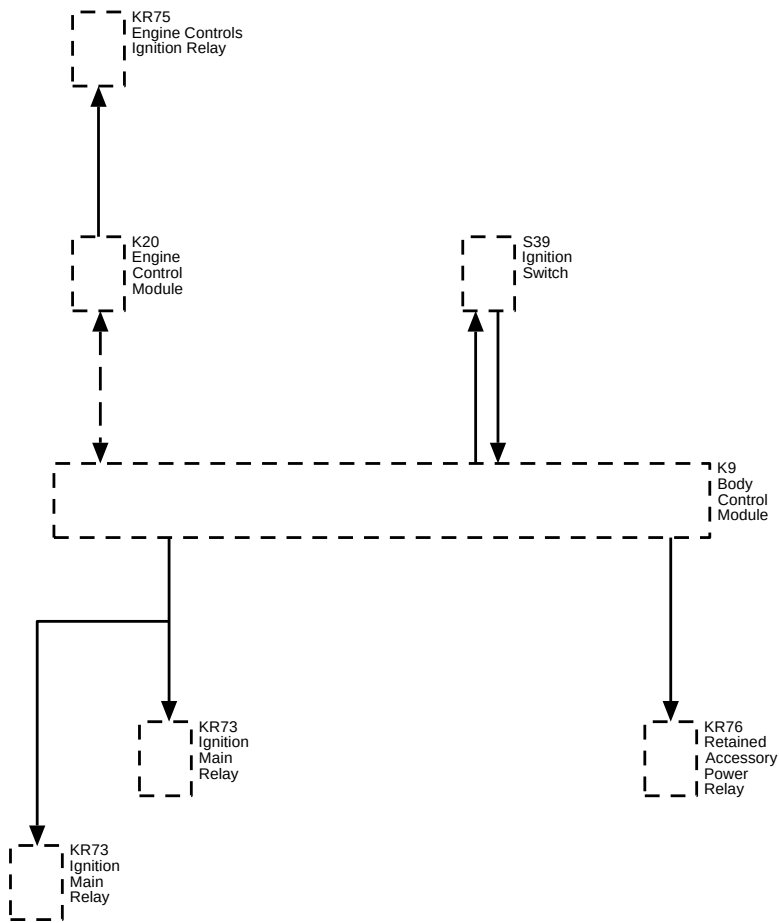
10	1	WH	46	I	-	Right Rear Speaker (+)	10	1	WH	46	II	-
11	0.35	BK	3450	I	-	Ground	11	0.5	BK	3450	II	-
12	-	-	-	-	-	Not Occupied	12	-	-	-	-	-

Description and Operation

Electronic Park Lock Description and Operation

If the vehicle is equipped with automatic transmission and a floor mounted console gear shift, it has an electronic park lock system (EPL). The EPL system purpose is to prevent the ignition key from being turned to the OFF position when the transmission is in any position other than PARK and the vehicle may still be moving. The EPL system consists of an ignition lock cylinder solenoid, and a park position switch that is located in the A/T shift lock control switch. The ignition lock cylinder solenoid contains a pin that is spring loaded to mechanically prevent the ignition key cylinder from being turned to the lock position when the vehicle transmission is not in the PARK position. If vehicle power is lost, and/or the transmission is not in the Park position the operator will not be able to turn the ignition key to the lock position and will not be able to remove the ignition key from the column.

Power Moding D&O Block Diagram



Serial Data Power Mode Master

Power to many of this vehicles circuits is controlled by the module that is designated the power mode master. This vehicles power mode master is the body control module (BCM). The BCM has multiple B+ circuits that feed into it. Each of those circuits are partitioned within the controller to drive certain outputs of the vehicle's body functions. An open or short in any one of the B+ circuits may induce multiple codes/or a section of non-functionality within the BCM with the rest of the BCM functioning normally. In this case it is useful to refer to the power distribution schematics to determine if the non-functional partition of the controller shares a common B+ circuit. The ignition switch is a low current switch with multiple discrete ignition switch signals to the power mode master for determination of the power mode that will be sent over the serial data circuits to the other modules that need this information. The power mode master will also activate relays and other direct outputs of the power mode master as needed. The power mode master determines which power mode (Off, Accessory, Run, Crank Request) is required, and reports this information to other modules via serial data. Modules which have switched voltage inputs may operate in a default mode if the power mode serial data message does not match what the individual module can see from its own connections.

The power mode master receives ignition switch or ignition mode switch signals to identify the operators desired power mode. The Power Mode Parameter tables below illustrate the correct state of these input parameters (circuits) in correspondence to the ignition switch position or ignition mode switch with the transmitter to vehicle range:

Power Mode Parameters

Ignition Switch Position	Power Mode Transmitted	Ign. Off/Run/Crank (Off/Run Crank Voltage Circuit)	Ignition Accessory/Run (Accessory Voltage Circuit)	Ignition Run/Crank (Ignition 1 Voltage Circuit)
Off Key Out	Off	Key Out / ACC	Inactive	Inactive
Off Key IN	Off	Key In / Off	Inactive	Inactive
Accessory	Accessory	Key Out / ACC	Active	Inactive

Run	Run	Run	Active	Active
Start	Crank Request	Crank	Inactive	Active

Relay Controlled Power Mode

The BCM uses the discrete ignition switch inputs Off/Run/Crank Voltage, Accessory Voltage, and Ignition 1 Voltage, to distinguish the correct power mode. The BCM, after determining the desired power mode, will activate the appropriate relays for that power mode.

The accessory relay remains on for a timed period after the Ignition key is removed. Refer to [Retained Accessory Power Description and Operation](#) for more information on the retained accessory power function.

Battery Saver Mode (Transport Mode)

Battery saver mode (transport mode) reduces the parasitic load of some modules during overseas shipment or during vehicle storage conditions. This improves the drain time on the battery (up to 70 days without the battery going dead). When a vehicle is in transport/storage, some features may have reduced functionality while in the battery saver mode, such as disabling keyless entry, afterblow, and content theft features. Battery saver mode is initiated by turning on the hazard flashers, applying the brake pedal, and then turning the ignition key to the start position or pushing the ignition mode switch with the foot on the brake for greater than 15 seconds. The mode is disengaged by repeating the previous process. The driver information center (if equipped) will display Transport Mode is On when battery saver mode is enabled and Transport Mode is Off when battery saver mode is disabled. For vehicles not equipped with a driver information center, the battery indicator light will constantly flash on the Instrument Cluster when battery saver mode is enabled. This feature can be used as many times as necessary if the vehicle is to be stored for an extended period of time.

BCM Awake/Sleep States

The BCM is able to control or perform all of the BCM functions in the awake state. The BCM enters the sleep state when active control or normal monitoring of system functions has stopped and a time limit has passed. The BCM must detect certain wake-up inputs before entering the awake state. The BCM monitors for these inputs during the sleep state.

The BCM will enter the awake state if any of the following wake-up inputs are detected:

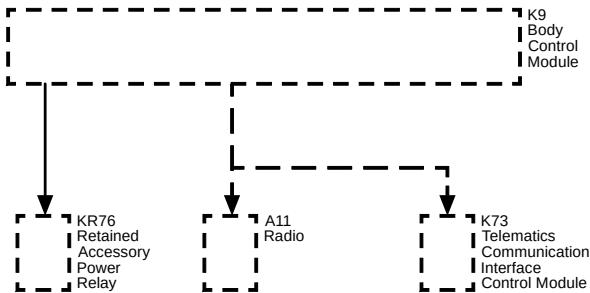
- Activity on the serial data line
- Detection of a battery reconnect
- Any door open signal
- Headlamps ON
- Key-in-ignition
- Ignition ON
- Park lamps ON
- Keyless entry or remote start message

The BCM will enter a sleep state when all of the following conditions exist:

- The ignition switch is OFF, key out.
- Ignition OFF, transmitter is out of range
- No activity exists on the serial data line.
- No outputs are commanded.
- No delay timers are actively counting.
- No wake-up inputs are present.

If all these conditions are met, the BCM will enter a low power or sleep condition.

RAP Description and Operation Block Diagram



Retained Accessory Power

The body control module (BCM) monitors the ignition switch position, battery condition, and each door ajar/open switch status to determine whether the retained accessory power should be initiated or terminated. Retained accessory power is controlled by two different methods; relay control and serial data. Some modules receive a retained accessory power message from the BCM over the serial data circuits. Serial data controlled retained accessory power is deactivated as required by their modules retained accessory power mode operation. Other subsystems are activated directly by the BCM through a relay. Components and systems that are active in retained accessory power are also activated anytime the ignition is any position other than OFF regardless of the door switch signals.

Relay Controlled Retained Accessory Power

The BCM keeps the relay energized during all power modes, except Off-Awake and Crank. The relay is also energized for approximately 10 minutes after shutting the ignition OFF and removing the key, providing no door is opened.

Relay controlled retained accessory power will end when one of the following conditions is met:

- The BCM receives an input from any door ajar or open switch indicating the opening of any door after the ignition key is out of the ignition.
Note: If the BCM is receiving any door ajar or open signal from those switches when the ignition key is turned OFF, retained accessory power will not initiate.
- The BCM internal timer for the retained accessory power expires after approximately 10 minutes.
- The BCM detects a decrease in battery capacity below a prescribed limit.

Systems powered by the retained accessory power relay during the retained accessory power mode are as follows:

- Note:** The vehicle may not be equipped with all components as listed below.
- Accessory Power Receptacle
- Cigarette Lighter Receptacle

- Window Switches
- Sunroof Control Module
- Sunroof Switch
- Mobile Device Wireless Charger Module
- Mobile Telephone Control Module
- Traffic Data Receiver
- Transmission Shift Lever Position Indicator (w/floor mounted console gear shift)
- Seat Heating Control Module

Serial Data Controlled Retained Accessory Power

Retained accessory power systems controlled by serial data are as follows:

Radio

Radio retained accessory power activation / termination is the same as relay operation with one exception; the only door switch that will turn off the radio during retained accessory power is the driver door open switch.

Vehicle Communication Interface Module (VCIM) (Onstar®) (If Equipped)

VCIM RAP activation/termination is the same as radio operation with 1 exception; if there is an active call when the ignition key is turned off the VCIM will remain in RAP mode, and keep the radio in RAP mode until the call is terminated.