

SCHEMATIC WIRING DIAGRAMS

HARNESS ROUTING VIEWS

Driver Door Harness Routing

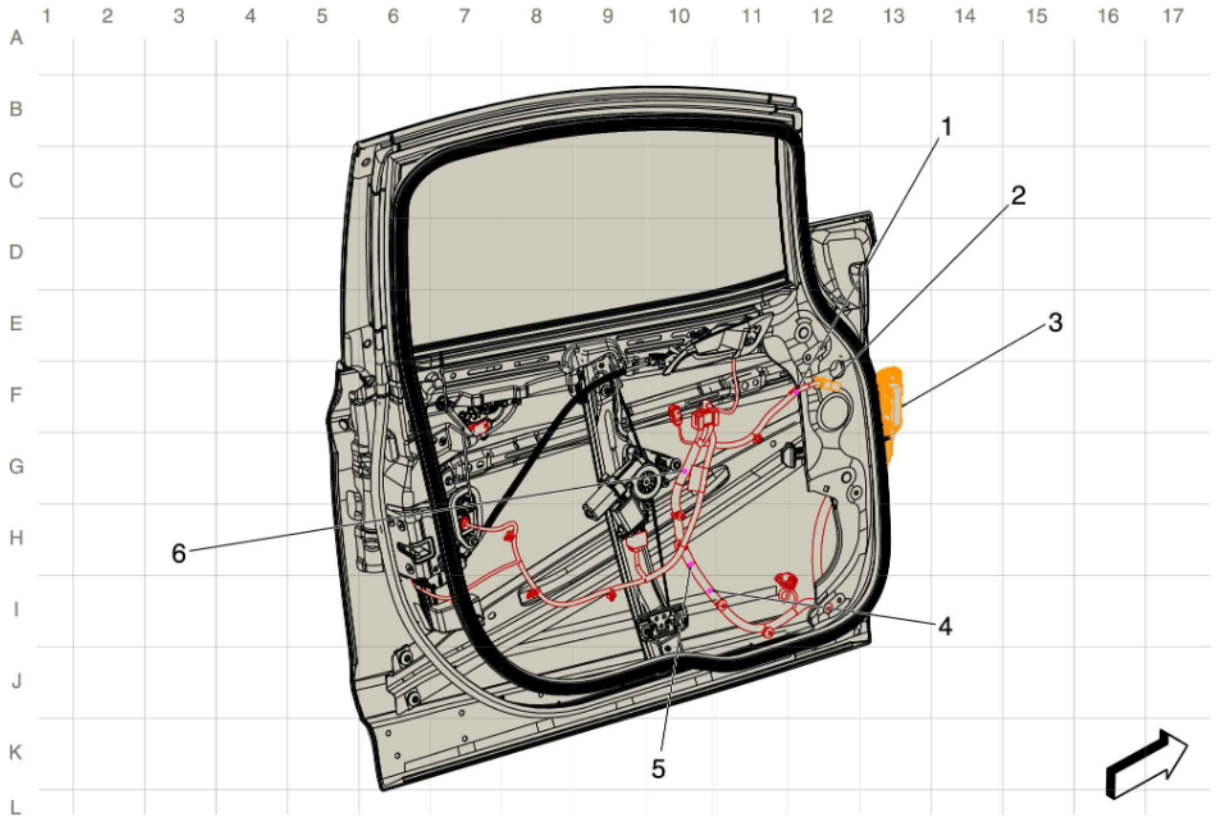


Fig. 1: Driver Door Harness Routing
Courtesy of GENERAL MOTORS COMPANY

Items
1: J502 Driver Door Harness
2: X510 Driver Door Harness to Driver Outside Rearview Mirror Harness X510 Driver Outside Rearview Mirror Harness to Driver Door Harness
3: X500 Driver Door Harness to Body Harness X500 Driver Door Harness to Body Harness ()
4: J501 Driver Door Harness
5: J500 Driver Door Harness
6: J504 Driver Door Harness

Passenger Door Harness Routing

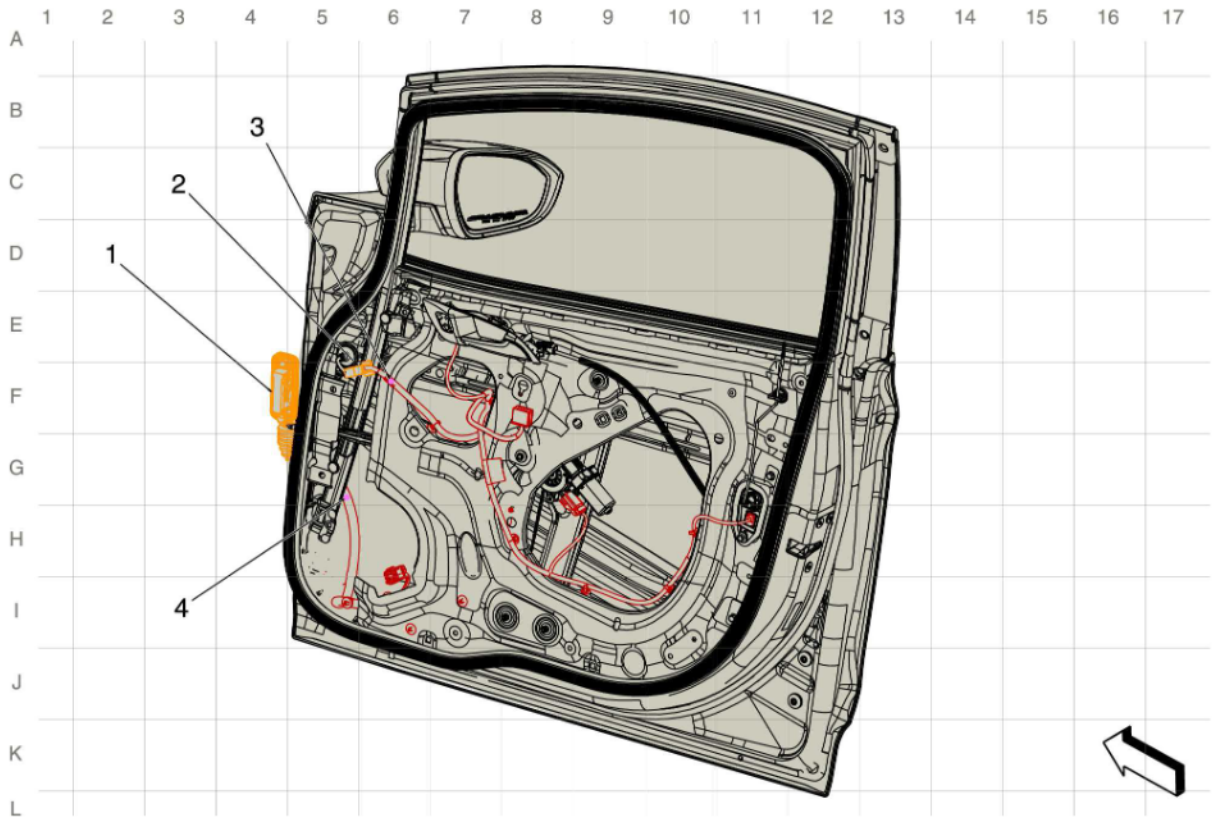


Fig. 2: Passenger Door Harness Routing
Courtesy of GENERAL MOTORS COMPANY

Items
1: X600 Passenger Door Harness to Body Harness X600 Passenger Door Harness to Body Harness ()
2: X610 Passenger Door Harness to Passenger Outside Rearview Mirror Harness X610 Passenger Outside Rearview Mirror Harness to Passenger Door Harness
3: J600 Passenger Door Harness
4: J247 Body Harness

Left Rear Door Harness Routing

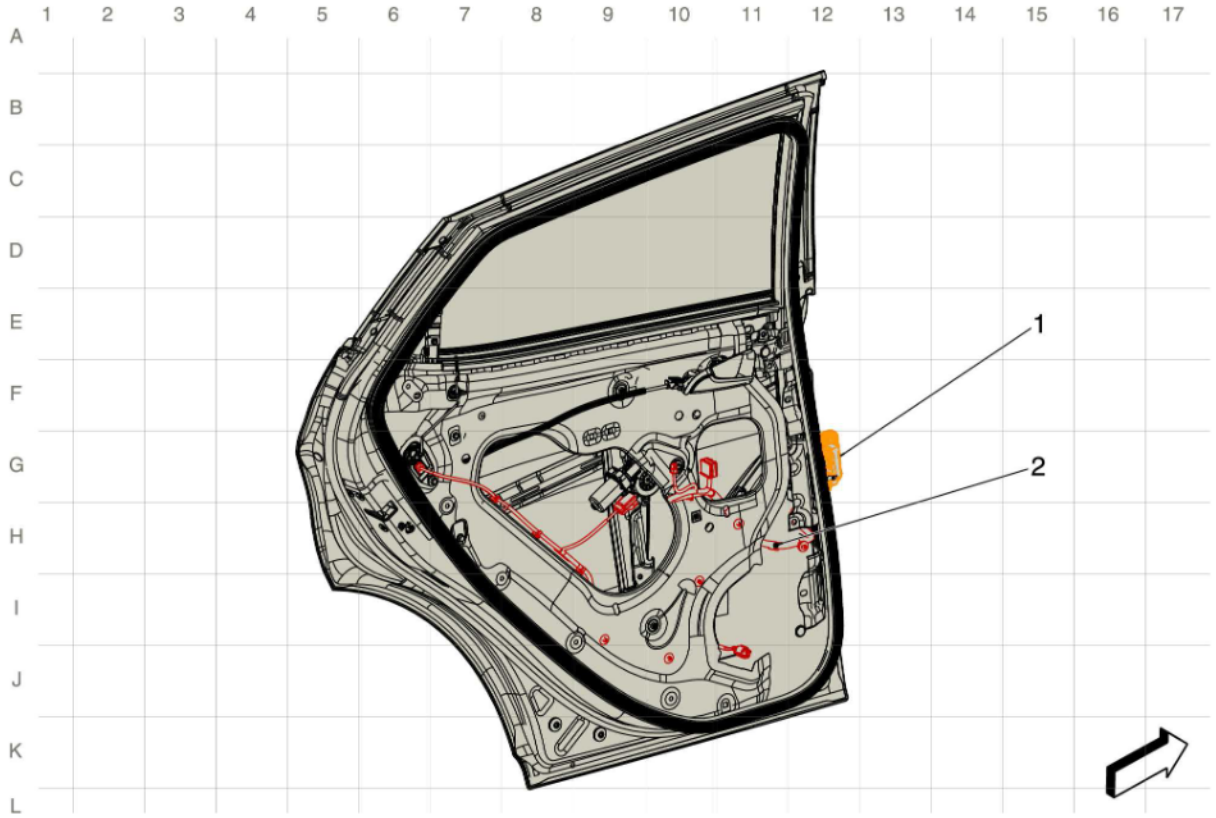


Fig. 3: Left Rear Door Harness Routing
Courtesy of GENERAL MOTORS COMPANY

Items
1: X700 Left Rear Door Harness to Body Harness X700 Left Rear Door Harness to Body Harness
2: J700 Left Rear Door Harness

Right Rear Door Harness Routing

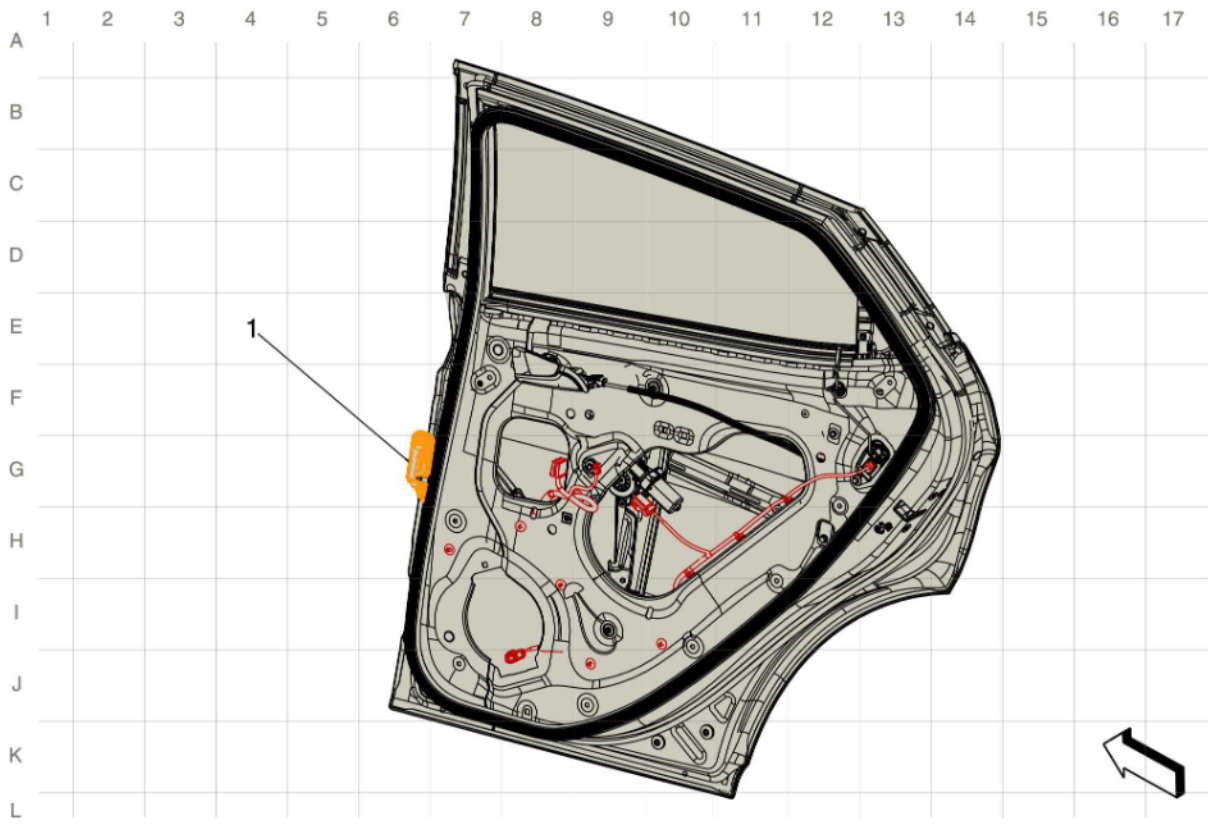


Fig. 4: Right Rear Door Harness Routing
Courtesy of GENERAL MOTORS COMPANY

Items
1: X800 Right Rear Door Harness to Body Harness X800 Right Rear Door Harness to Body Harness ()

Passenger Seat Harness Routing

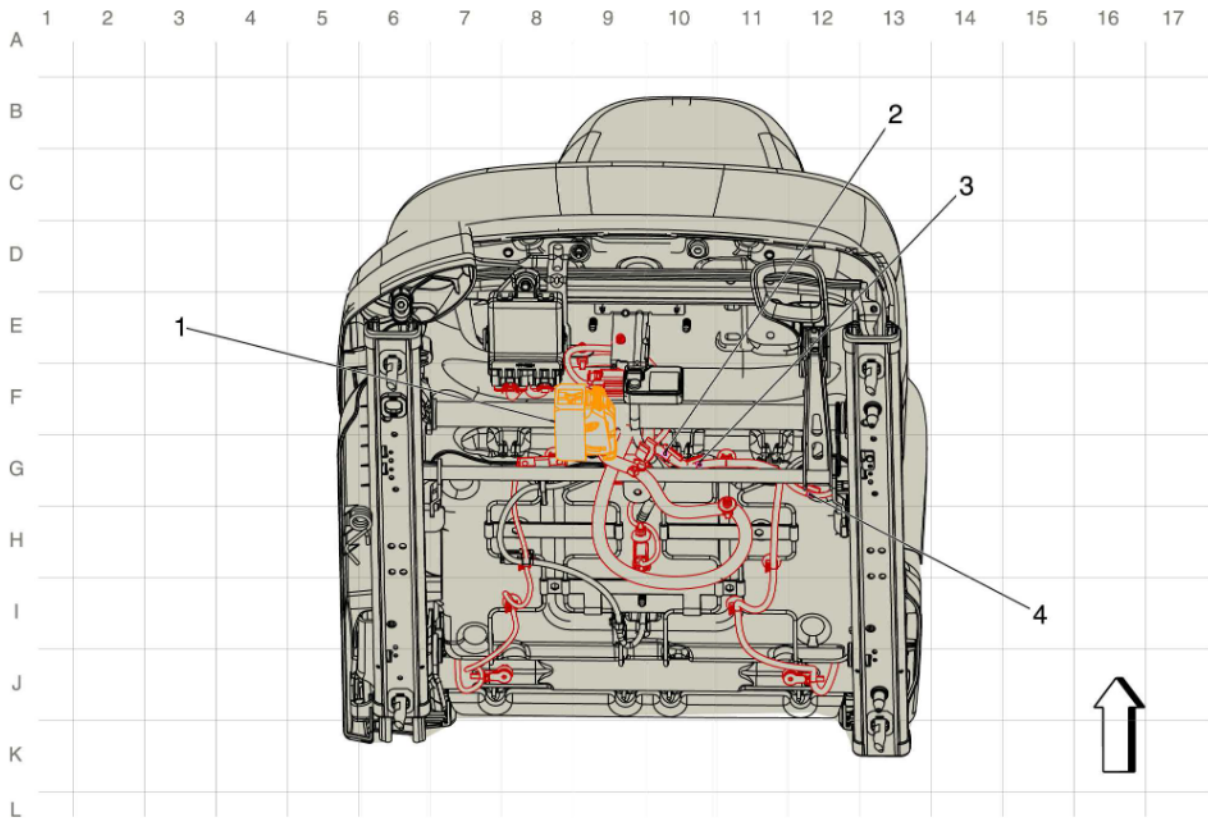


Fig. 5: Passenger Seat Harness Routing
Courtesy of GENERAL MOTORS COMPANY

Items
1: X320 Passenger Seat Harness to Body Harness X320 Passenger Seat Harness to Body Harness ()
2: J341 Passenger Seat Harness (KA1)
3: J342 Passenger Seat Harness (KA1)
4: J347 Passenger Seat Harness

Right Side Engine Compartment Harness Routing

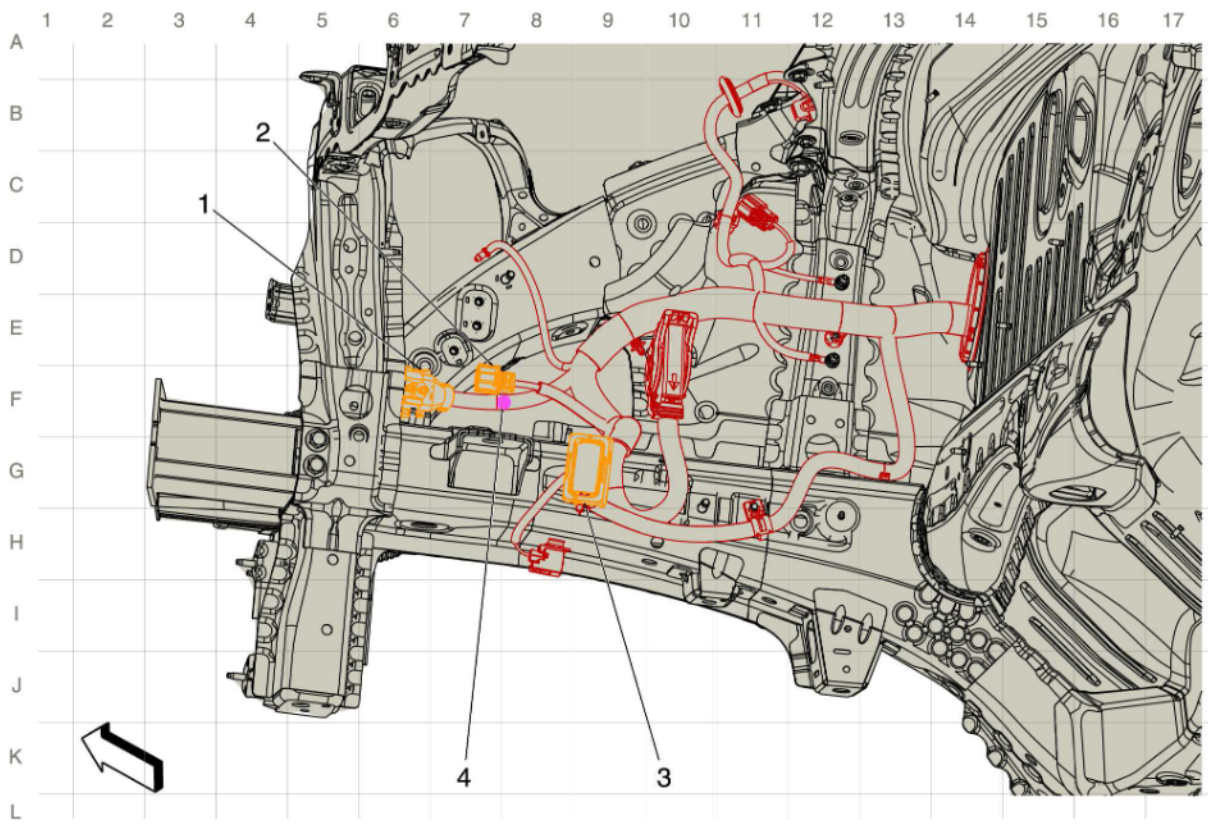


Fig. 6: Right Side Engine Compartment Harness Routing
Courtesy of GENERAL MOTORS COMPANY

Items
1: X107 Body Harness to Forward Lamp Harness X107 Body Harness to Forward Lamp Harness
2: X108 Body Harness to Forward Lamp Harness X108 Body Harness to Forward Lamp Harness ()
3: X105 Body Harness to Engine Harness (36 Cavities) X105 Body Harness to Engine Harness
4: J129 Body Harness

Left Front of Engine Compartment Harness Routing

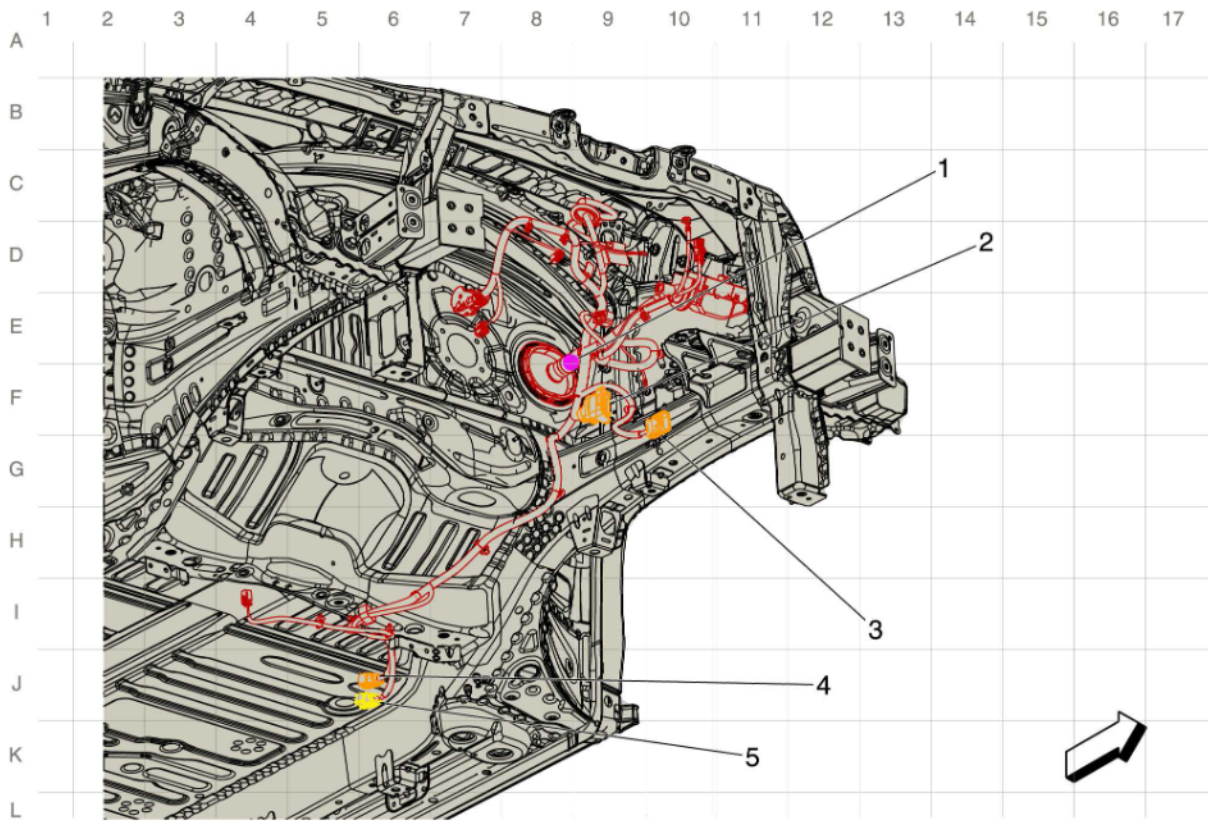


Fig. 7: Left Front of Engine Compartment Harness Routing
Courtesy of GENERAL MOTORS COMPANY

Items
1: J128 Body Harness
2: X106 Body Harness to Engine Harness (36 Cavities) X106 Body Harness to Engine Harness
3: X117 Charge Receptacle Harness to Body Harness (12 Cavities) X117 Charge Receptacle Harness to Body Harness (CBT)
4: X357 Body Harness to Battery Harness X357 Body Harness to Battery Cable Harness ()
5: X358 Body Harness to Battery Harness X358 Body Harness to Battery Harness ()

Forward Lamp Harness Routing

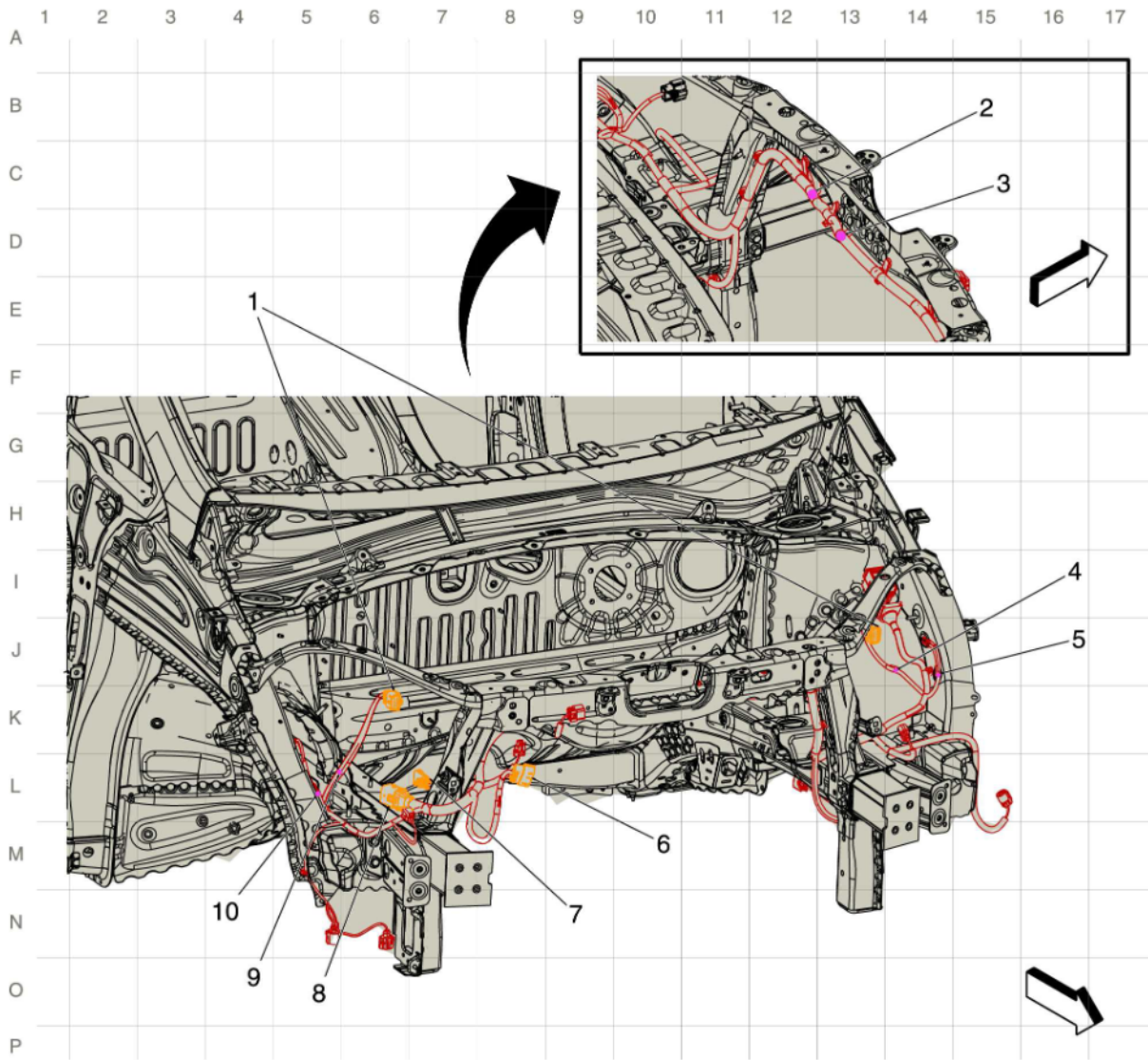


Fig. 8: Forward Lamp Harness Routing
Courtesy of GENERAL MOTORS COMPANY

Items
1: X110 Forward Lamp Harness to Left Headlight Assembly (4 Cavities) X110 Forward Lamp Harness to Left Headlamp Harness (-TR6)
2: J111 Forward Lamp Harness
3: J112 Forward Lamp Harness
4: J109 Forward Lamp Harness
5: J102 Forward Lamp Harness
6: X101 Forward Lamp Harness to Front Fascia X101 Forward Lamp Harness to Front Fascia Harness (-UD5/UFQ/UVH) X101 Forward Lamp Harness to Front Fascia Harness (UD5/UFQ/UVH)
7: X108 Body Harness to Forward Lamp Harness X108 Body Harness to Forward Lamp Harness ()
8: X107 Body Harness to Forward Lamp Harness X107 Body Harness to Forward Lamp Harness
9: J110 Forward Lamp Harness
10: J103 Forward Lamp Harness

Front of Drive Motor Harness Routing

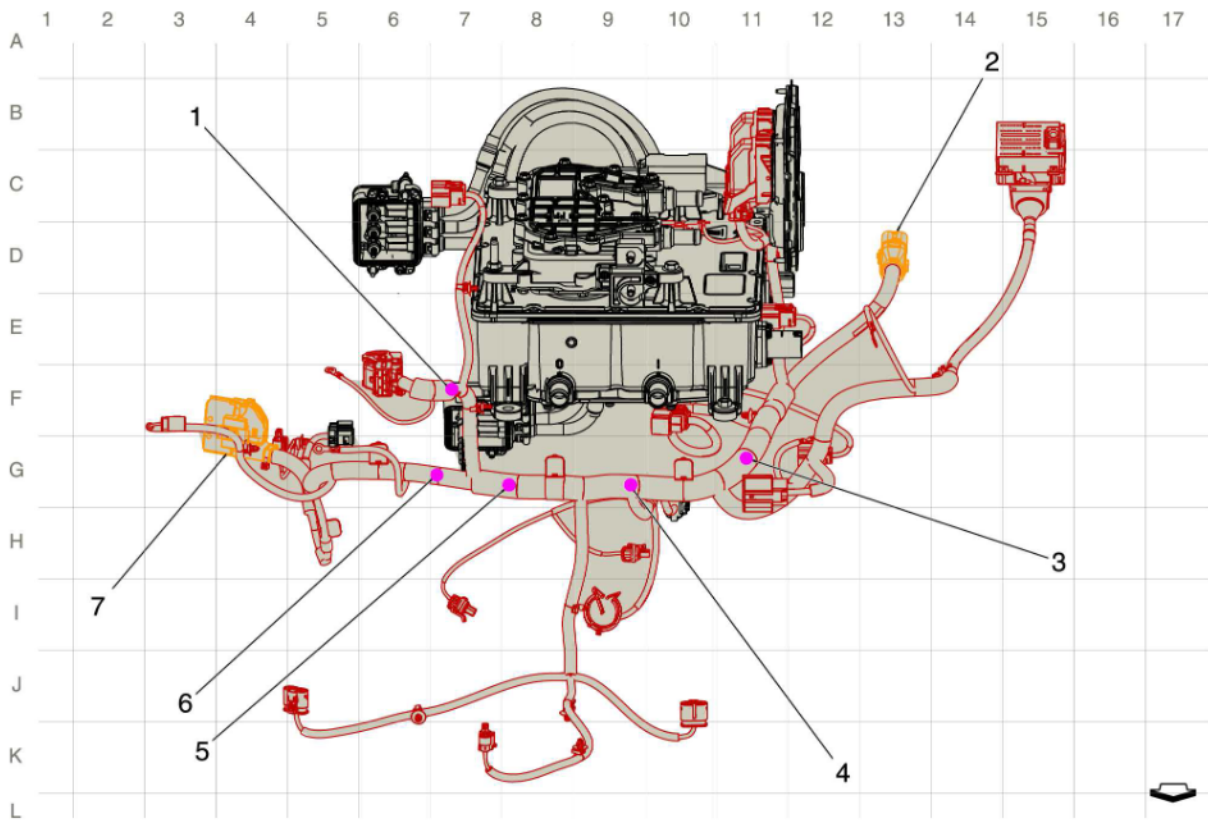


Fig. 9: Front of Drive Motor Harness Routing
Courtesy of GENERAL MOTORS COMPANY

Items
1: J108 Engine Harness
2: X106 Body Harness to Engine Harness (36 Cavities) X106 Body Harness to Engine Harness
3: J101 Engine Harness
4: J123 Engine Harness
5: J122 Engine Harness
6: J100 Engine Harness

Items

7: X105 Body Harness to Engine Harness (36 Cavities) [X105 Body Harness to Engine Harness](#)

Front Fascia Harness Routing

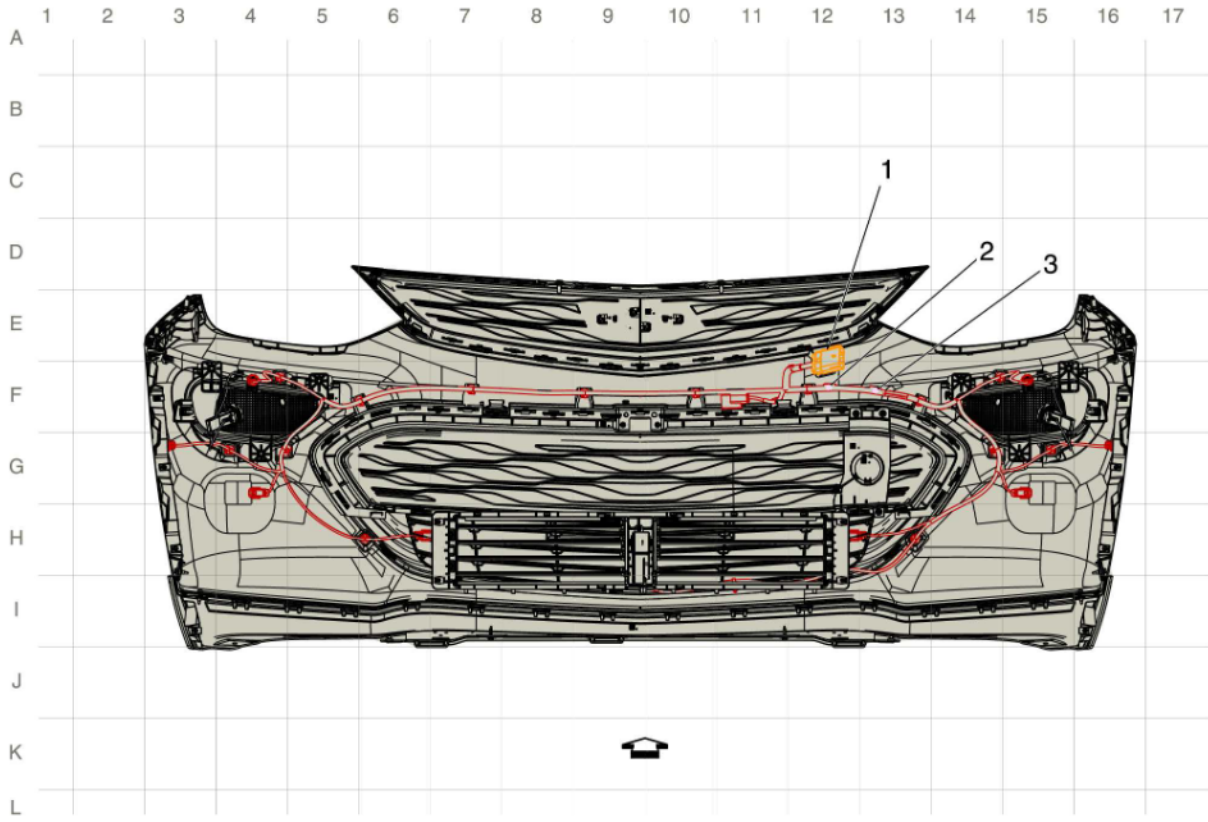


Fig. 10: Front Fascia Harness Routing
Courtesy of GENERAL MOTORS COMPANY

Items

1: X101 Forward Lamp Harness to Front Fascia [X101 Forward Lamp Harness to Front Fascia Harness \(-UD5/UFQ/UVH\)](#) [X101 Forward Lamp Harness to Front Fascia Harness \(UD5/UFQ/UVH\)](#)

2: J124 Front Fascia Harness

3: J113 Front Fascia Harness

Rear Fascia Harness Routing

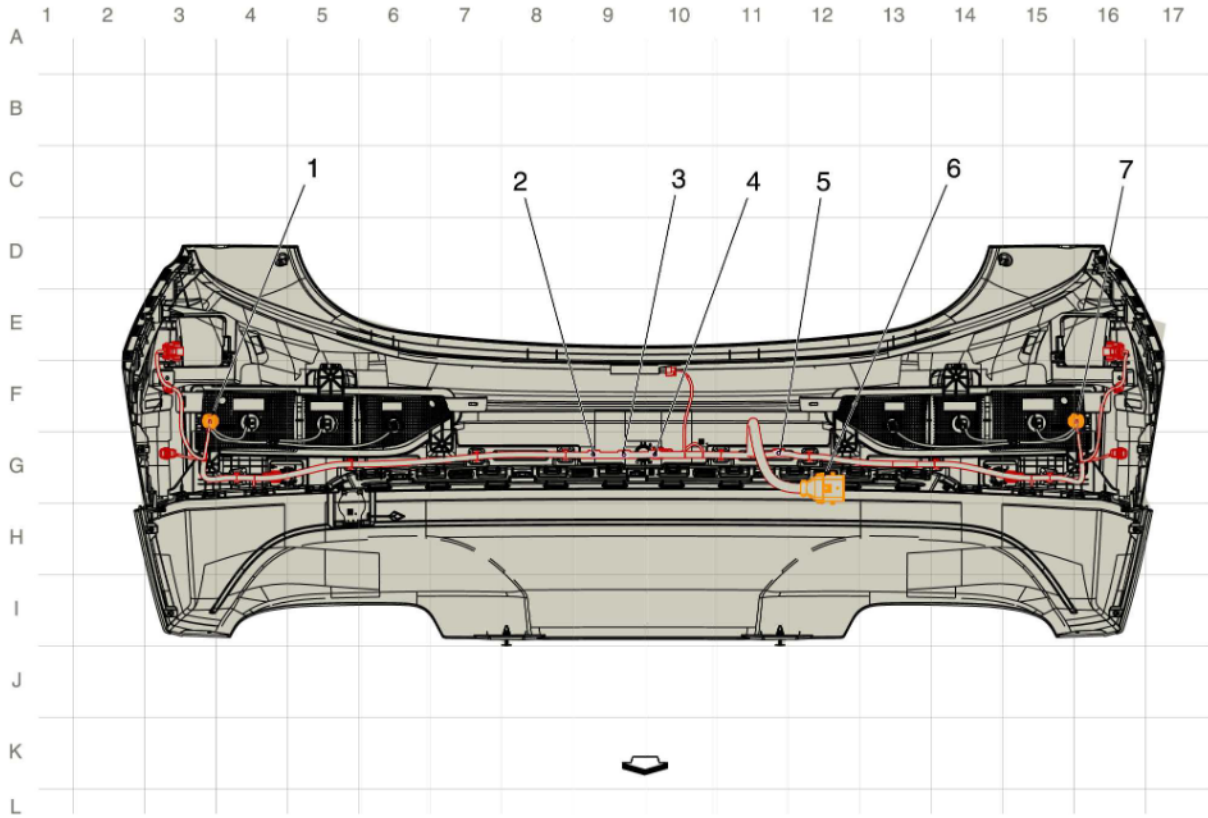


Fig. 11: Rear Fascia Harness Routing
Courtesy of GENERAL MOTORS COMPANY

Items

1: X420 Right Auxillary Tail Lamp Harness to Right Lamp Jumper Harness [X420 Rear Fascia Harness to Right Lamp Jumper Harness \(TW5\)](#) [X420 Rear Fascia Harness to Right Lamp Jumper Harness \(VD1\)](#)

2: J406 Rear Fascia Harness

3: J403 Rear Fascia Harness

4: J402 Rear Fascia Harness

5: J407 Rear Fascia Harness

6: X415 Body Harness to Rear Fascia Hamess [X415 Body Harness to Rear Fascia Harness \(\)](#)

7: X410 Left Auxillary Tail Lamp Harness to Left Lamp Jumper Harness [X410 Rear Fascia Harness to Left Lamp Jumper Harness \(TW5\)](#) [X410 Rear Fascia Harness to Left Lamp Jumper Harness \(VD1\)](#)

Instrument Panel Harness Routing

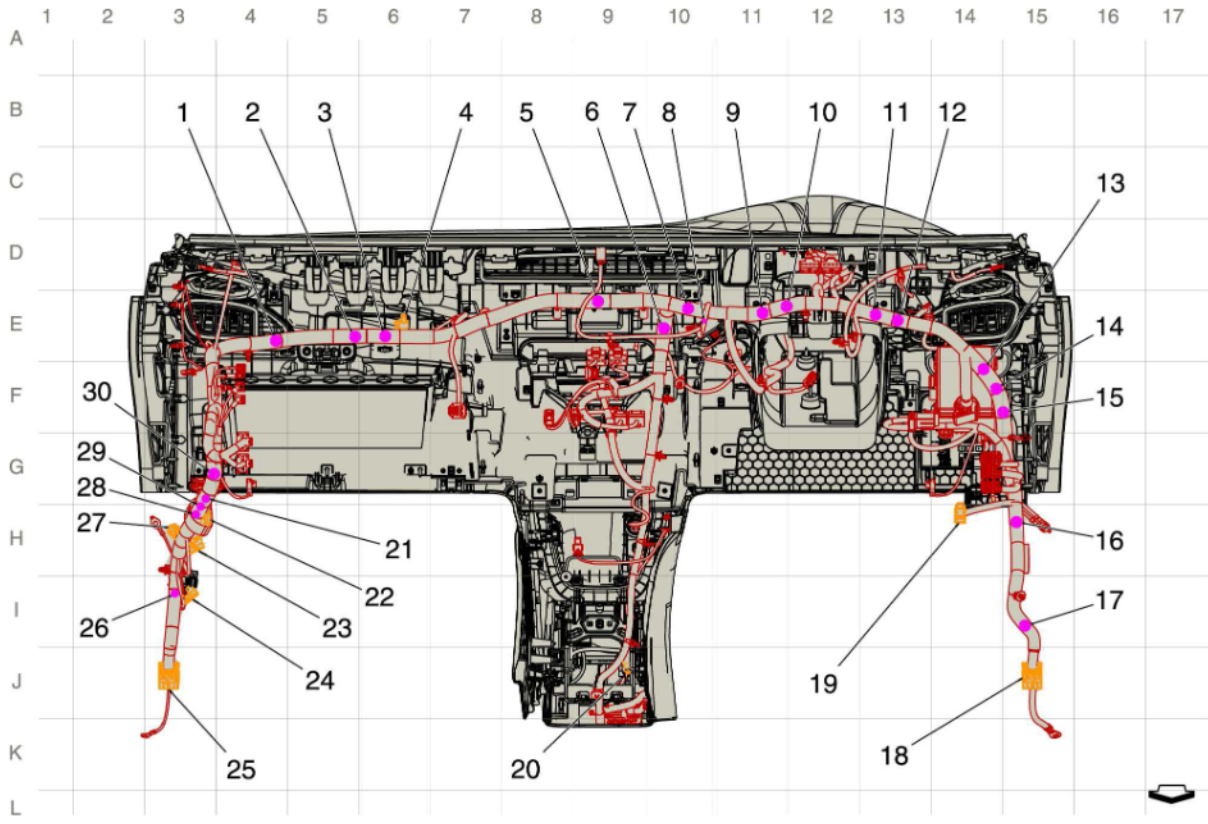


Fig. 12: Instrument Panel Harness Routing
Courtesy of GENERAL MOTORS COMPANY

Items

1: J224 Instrument Panel Harness

2: J250 Instrument Panel Harness

3: J249 Instrument Panel Harness

4: X215 Body Harness to Instrument Panel Harness [X215 Instrument Panel Harness to Passenger Instrument Panel Air Bag Harness](#)

5: J217 Instrument Panel Hamess

6: J219 Instrument Panel Harness

7: J225 Instrument Panel Harness

8: J229 Instrument Panel Harness

9: J203 Instrument Panel Harness

10: J201 Instrument Panel Harness

11: J248 Instrument Panel Harness

12: J226 Instrument Panel Harness

13: J228 Instrument Panel Harness

14: J200 Instrument Panel Harness

- Items
- 15: J227 Instrument Panel Harness

16: J202 Instrument Panel Harness

17: J364 Hybrid/EV Battery Pack Low Voltage Harness

18: X200 Instrument Panel Harness to Body Harness [X200 Instrument Panel Harness to Body Harness](#)

19: X210 Instrument Panel Harness to Body Harness [X210 Instrument Panel Harness to Body Harness](#)

20: X212 Instrument Panel Harness to Floor Console Harness

21: J251 Instrument Panel Harness

22: JX200 Instrument Panel Harness [JX200 Splice Pack](#)

23: X209 Instrument Panel Harness to Headliner Harness

24: X211 Instrument Panel Harness to Headliner Harness

25: X205 Instrument Panel Harness to Body Harness [X205 Instrument Panel Harness to Body Harness](#)

26: J221 Instrument Panel Harness

27: X209 Instrument Panel Harness to Headliner Harness

28: J205 Instrument Panel Harness

29: J252 Instrument Panel Harness

30: J204 Instrument Panel Harness

Center Console Harness Routing

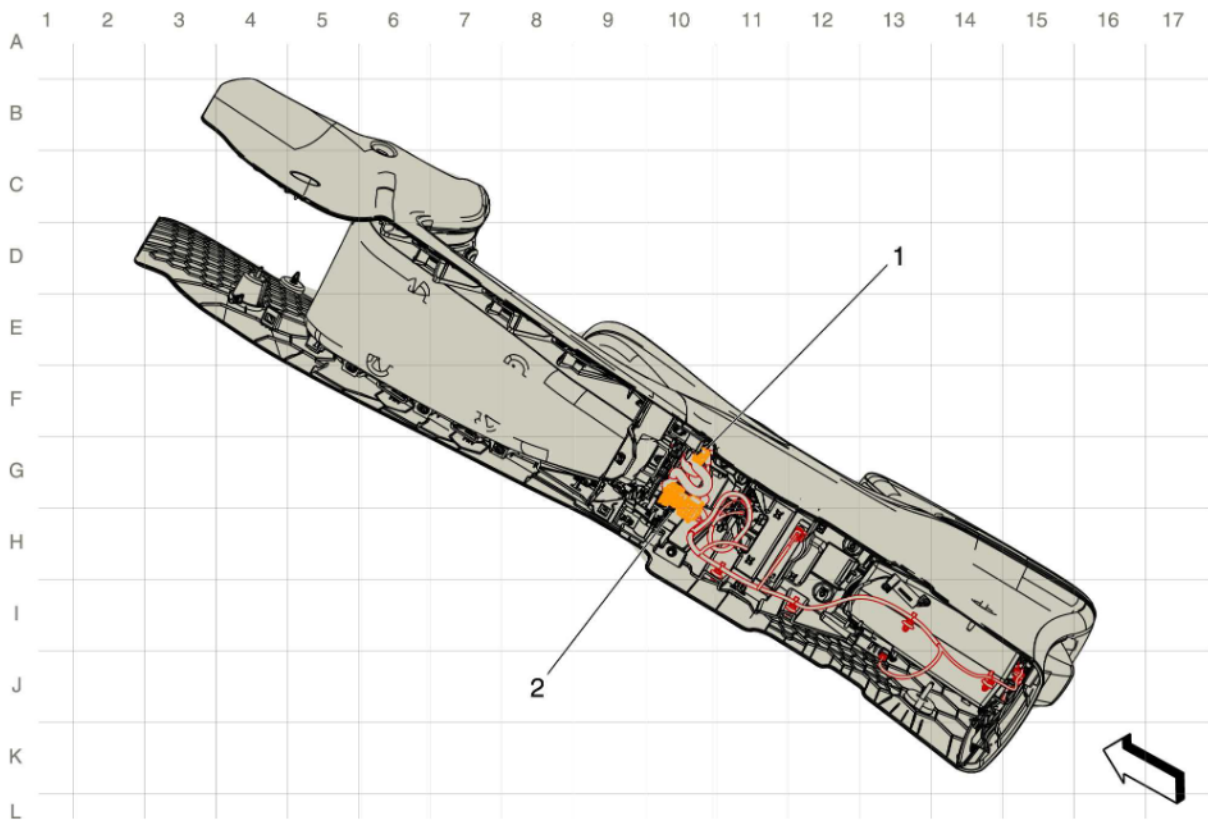


Fig. 13: Center Console Harness Routing
Courtesy of GENERAL MOTORS COMPANY

- Items
- 1: X212 Instrument Panel Harness to Floor Console Harness

2: X300 Body Harness to Floor Console Harness [X300 Floor Console Harness to Body Harness](#)

Headliner Harness Routing

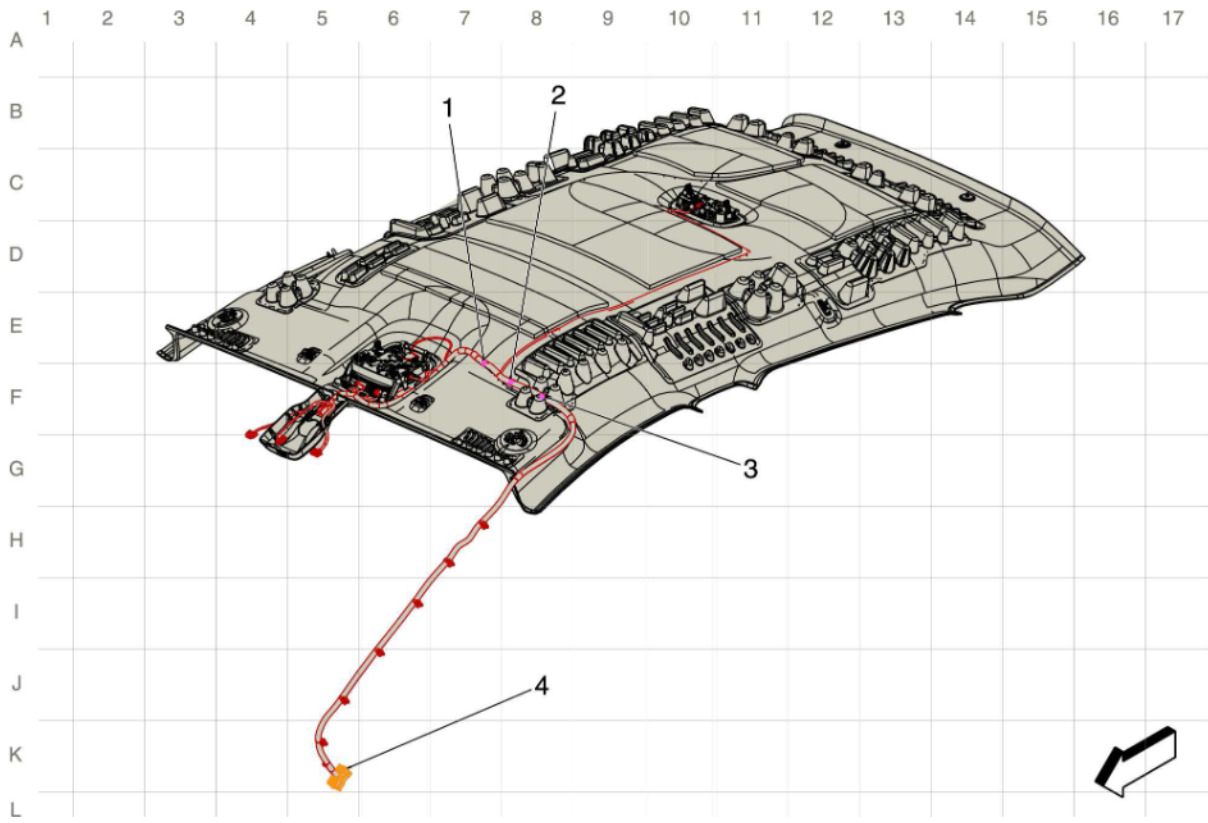


Fig. 14: Headliner Harness Routing
Courtesy of GENERAL MOTORS COMPANY

- Items
- 1: J324 Headliner Harness

2: J323 Headliner Harness

3: J325 Headliner Harness

4: X208 Headliner Harness to Body Harness [X208 Headliner Harness to Body Harness \(\)](#)

Left Front of Passenger Compartment Harness Routing

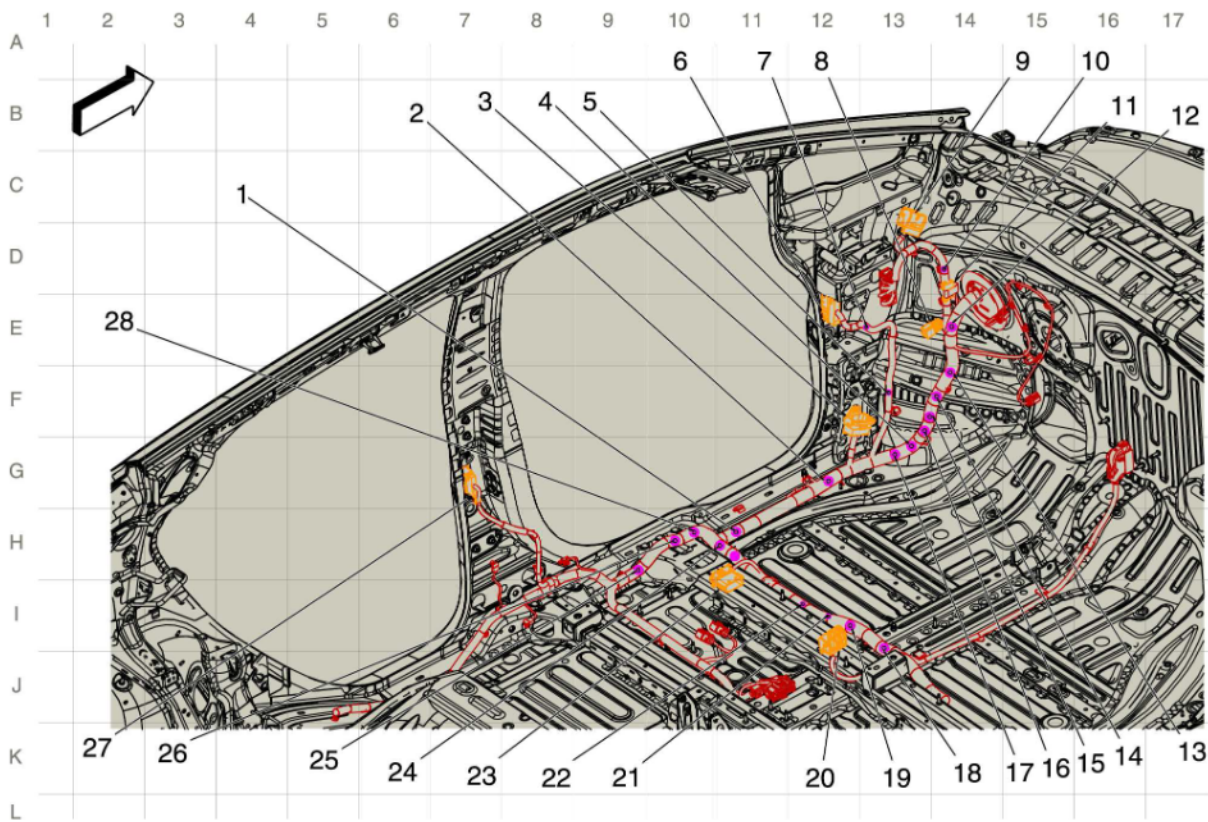


Fig. 15: Left Front of Passenger Compartment Harness Routing
Courtesy of GENERAL MOTORS COMPANY

- Items
- 1: J364 Hybrid/EV Battery Pack Low Voltage Harness

2: J246 Body Harness

3: X200 Instrument Panel Harness to Body Harness [X200 Instrument Panel Harness to Body Harness](#)

Items
4: J242 Body Harness
5: J244 Body Harness
6: X500 Driver Door Harness to Body Harness X500 Driver Door Harness to Body Harness ()
7: J245 Body Harness
8: X210 Instrument Panel Harness to Body Harness X210 Instrument Panel Harness to Body Harness
9: X208 Headliner Harness to Body Harness X208 Headliner Harness to Body Harness ()
10: J237 Body Harness
11: JX210 Body Harness JX210 Splice Pack ()
12: J236 Body Harness
13: J241 Body Harness
14: J238 Body Harness
15: J239 Body Harness
16: J240 Body Harness
17: J243 Body Harness
18: J326 Body Harness
19: J346 Body Harness
20: X300 Body Harness to Floor Console Harness X300 Floor Console Harness to Body Harness
21: J356 Body Harness
22: J353 Hybrid/EV Battery Pack Low Voltage Harness
23: X310 Body Harness to Instrument Panel Harness X310 Driver Seat Harness to Body Harness
24: J354 Hybrid/EV Battery Pack Low Voltage Harness
25: J301 Body Harness
26: J349 Body Harness
27: X700 Left Rear Door Harness to Body Harness X700 Left Rear Door Harness to Body Harness
28: J368 Body Harness

Left Rear of Passenger Compartment Harness Routing

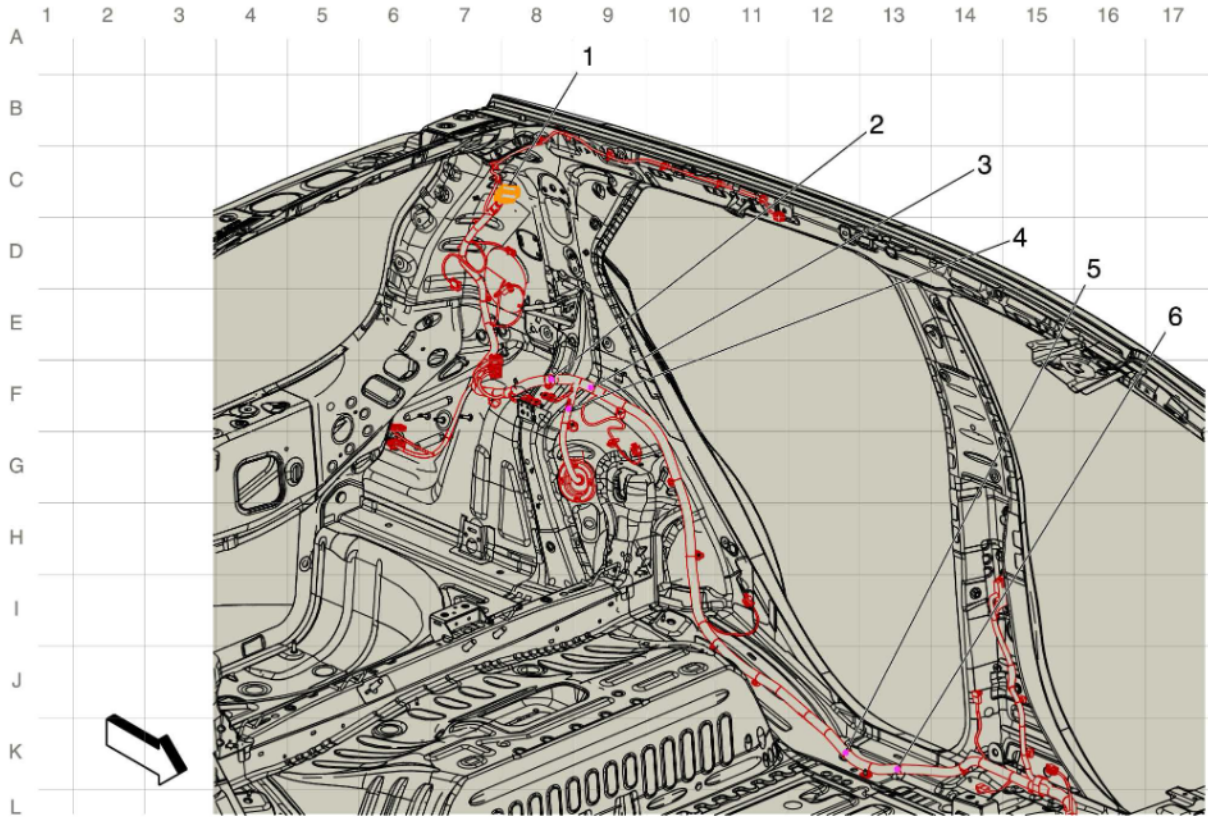


Fig. 16: Left Rear of Passenger Compartment Harness Routing
Courtesy of GENERAL MOTORS COMPANY

Items
1: X900 Liftgate Extension Harness to Body Harness X900 Liftgate Extension Harness to Body Harness
2: J407 Rear Fascia Harness
3: J308 Body Harness
4: J309 Body Harness
5: J321 Body Harness
6: J320 Body Harness

Right Front of Passenger Compartment Harness Routing

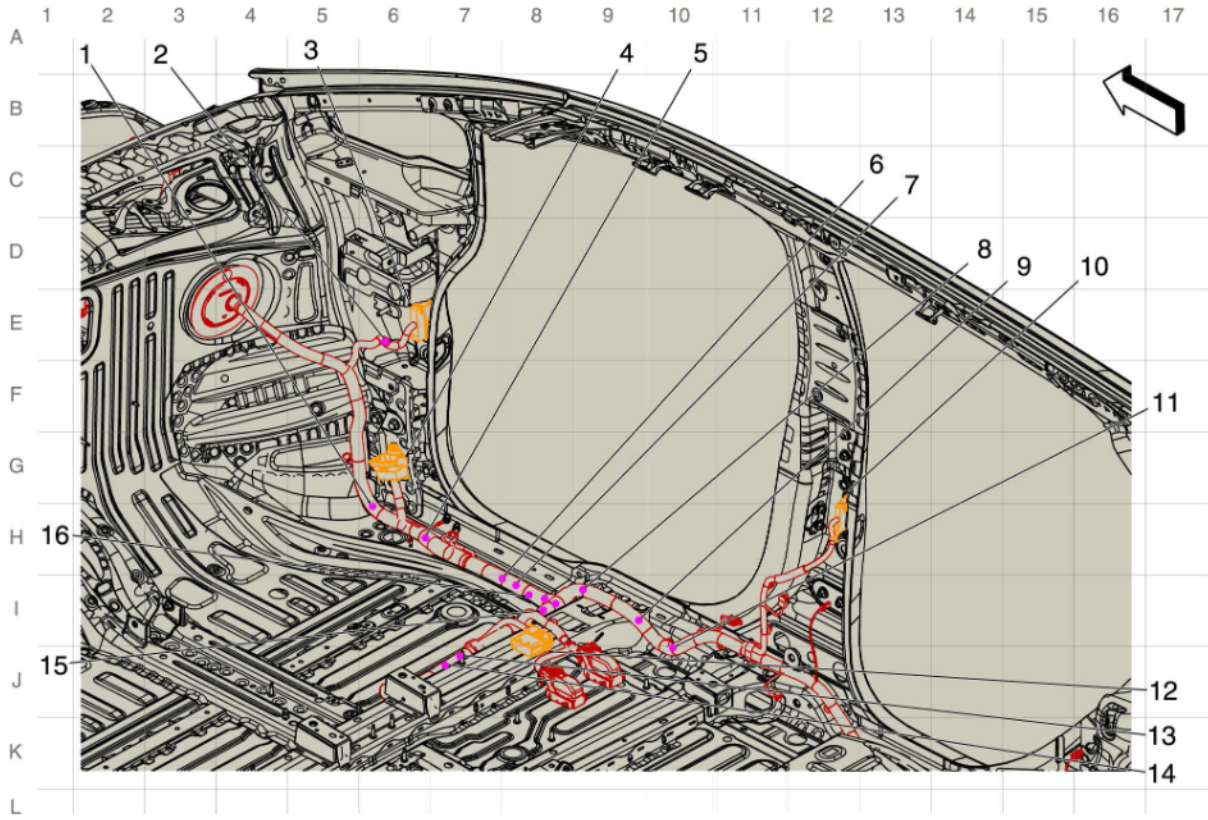


Fig. 17: Right Front of Passenger Compartment Harness Routing
Courtesy of GENERAL MOTORS COMPANY

Items
1: J307 Body Harness
2: J247 Body Harness
3: X600 Passenger Door Harness to Body Harness X600 Passenger Door Harness to Body Harness ()
4: X205 Instrument Panel Harness to Body Harness X205 Instrument Panel Harness to Body Harness
5: J304 Body Harness
6: J317 Body Harness
7: J352 Hybrid/EV Battery Pack Low Voltage Harness
8: J322 Body Harness
9: J369 Hybrid/EV Battery Pack Low Voltage Harness
10: X800 Right Rear Door Harness to Body Harness X800 Right Rear Door Harness to Body Harness ()
11: J306 Body Harness
12: X320 Passenger Seat Harness to Body Harness X320 Passenger Seat Harness to Body Harness ()
13: J367 Body Harness
14: J359 Body Hanress
15: J305 Body Harness
16: J351 Hybrid/EV Battery Pack Low Voltage Harness

Right Rear of Passenger Compartment Harness Routing

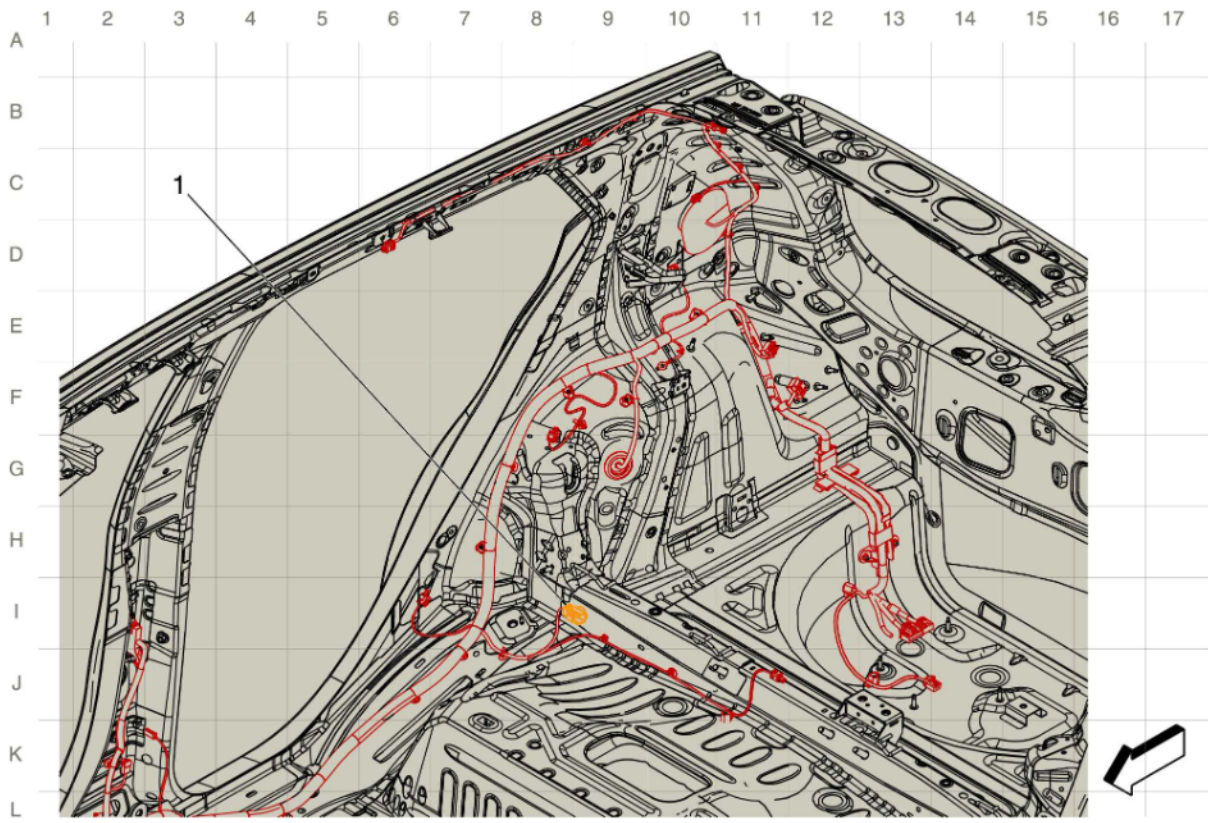


Fig. 18: Right Rear of Passenger Compartment Harness Routing
Courtesy of GENERAL MOTORS COMPANY

Items
1: X360 Right Rear Seat Harness to Body Harness X360 Right Rear Seat Harness to Body Harness (KA6)

Liftgate Harness Routing

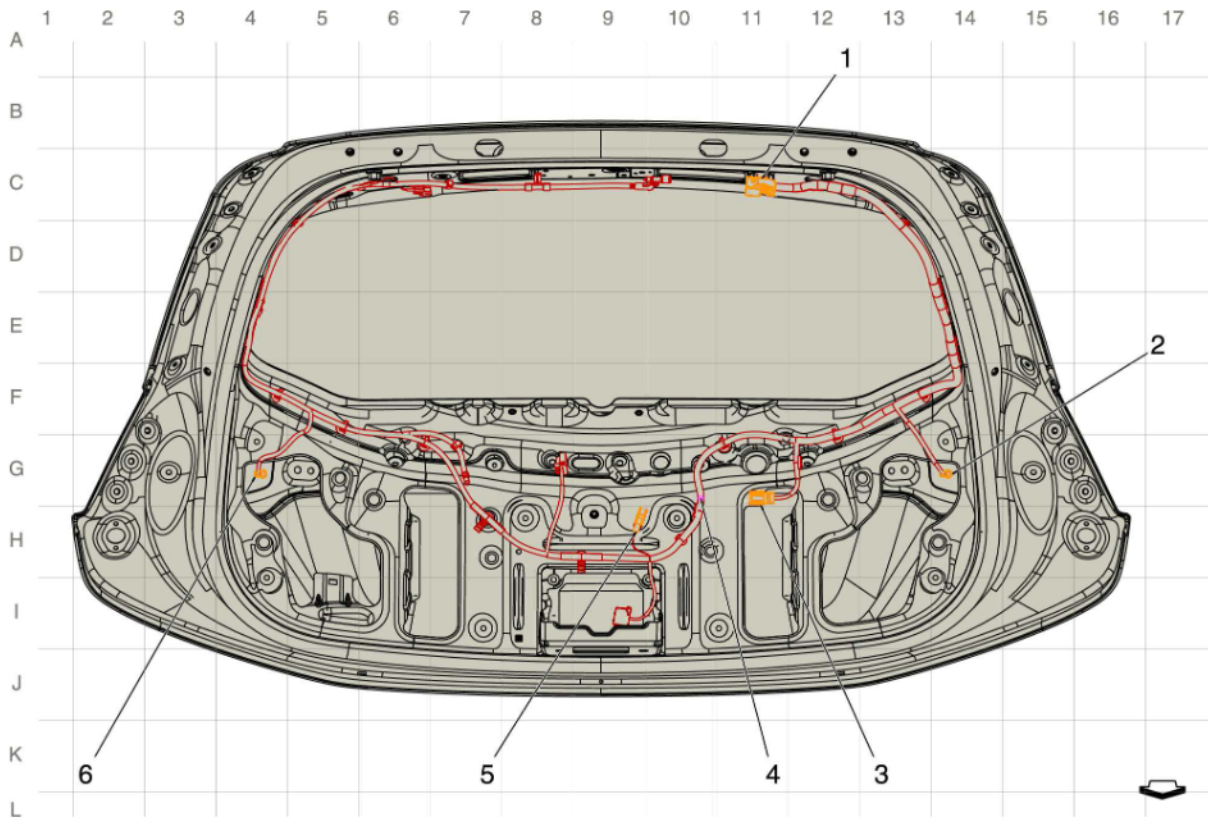


Fig. 19: Liftgate Harness Routing
Courtesy of GENERAL MOTORS COMPANY

Items
1: X901 Liftgate Extension Harness to Liftgate Harness X901 Liftgate Extension Harness to Liftgate Harness ()
2: X910 Liftgate Harness to Left Tail Stop Lamp Harness X910 Liftgate Harness to Left Tail Stop Lamp Harness (TW5) X910 Liftgate Harness to Left Tail Stop Lamp Harness (VD1)
3: X902 Liftgate Harness to License Plate Lamp Harness X902 License Plate Lamp Harness to Liftgate Harness ()
4: J903 Liftgate Harness
5: X905 Liftgate Harness to Liftgate Extention Harness
6: X920 Liftgate Harness to Right Tail Stop Lamp Harness X920 Liftgate Harness to Right Tail Stop Lamp Harness (TW5) X920 Liftgate Harness to Right Tail Stop Lamp Harness (VD1)

Liftgate Extension Harness Routing

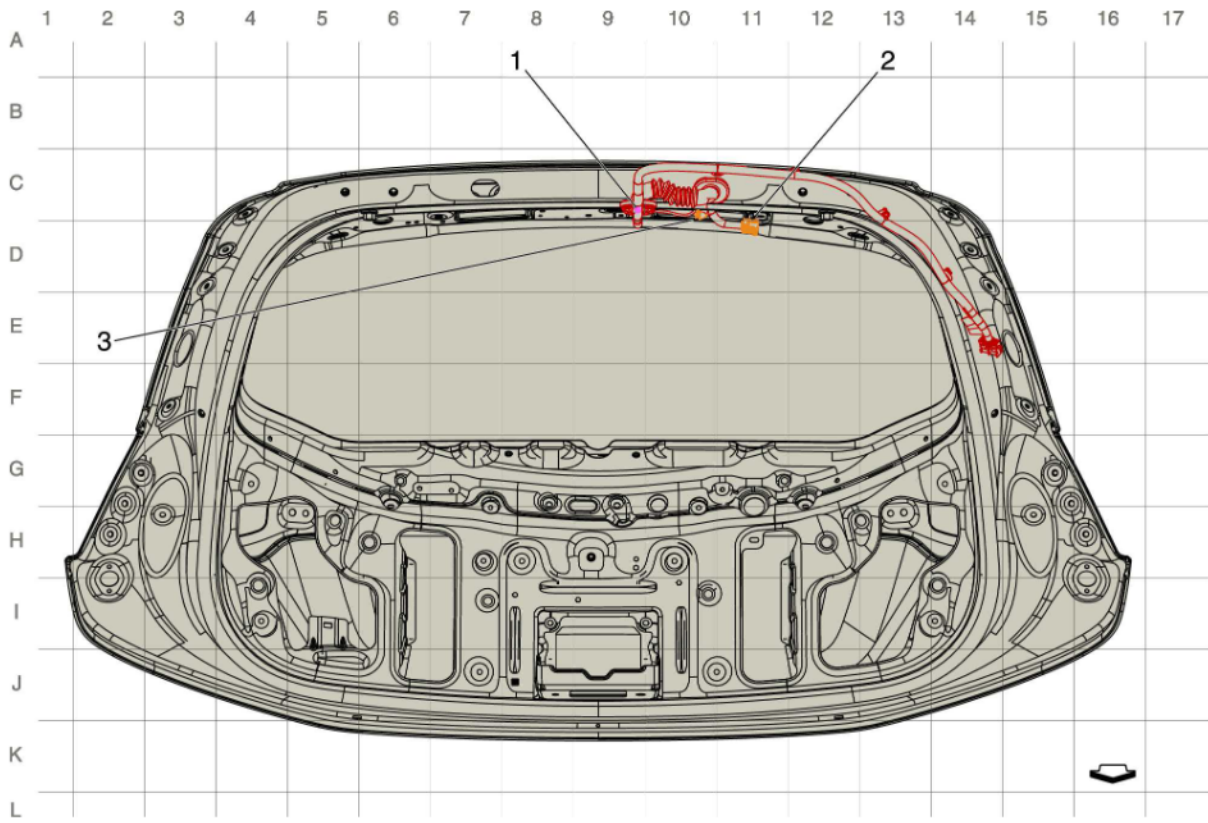


Fig. 20: Liftgate Extension Harness Routing
Courtesy of GENERAL MOTORS COMPANY

Items
1: J902 Liftgate Extension Harness
2: X901 Liftgate Extension Harness to Liftgate Harness X901 Liftgate Extension Harness to Liftgate Harness ()
3: X903 Center High Mount Stop Light Harness to Liftgate Harness X903 Center High Mount Stop Light Harness to Liftgate Extension Harness ()

HOW TO USE ELECTRICAL SCHEMATICS

Information Overview

The following explains some of the key parts of the GM wiring diagrams. Included are:

- Color Abbreviations
- Electronic Delivery Navigation Features

Color Abbreviations

The following sequence is used when depicting wire colors:

1. Color modifier of the wire, such as light or dark (if applicable)
2. Primary color of the wire
3. Secondary color of the wire (tracer/stripe)

Wire insulation and connector body colors in schematic information are abbreviated with a two character code as listed below.

Abbreviation	Color	Abbreviation	Color

Abbreviation	Color	Abbreviation	Color
AM	Amber	OG	Orange
BARE	Bare	PK	Pink
BG	Beige	PU	Purple
BK	Black	RD	Red
BN	Brown	RU	Rust
BU	Blue	SR	Silver
CL	Clear	TL	Teal
CR	Cream	TN	Tan
CU	Curry	TQ	Turquoise
GD	Gold	VT	Violet
GN	Green	WH	White
GY	Gray	YE	Yellow
NA	Natural	-	-
Color Modifiers			
L	Light	D	Dark

Additionally, industry standard cable types are not identified by color, but are listed by cable type as follows:

Abbreviation	Cable Type
COAX	Coax Cable
ENET	Ethernet
FW	Flat Wire
HDMI	High Definition Multimedia Interface
LDVS	Low-voltage Differential Signaling
TWINAX	Twinax Cable
USB	Universal Serial Bus

Electronic Delivery Navigation Features

The schematics information has been enhanced for electronic delivery and the following explains the features that are now available.

The enhanced features are categorized into three types:

- Mouse-overs, which are active when the mouse pointer is placed over the activated area
- Hotspots (links to other information), which are active by placing the mouse pointer over the activated area and clicking the left mouse button
- Hotspot Target Highlighting, which is when linking from one graphic to another graphic, the point of interest will be highlighted in red. This feature is available only when linking from a schematic graphic to a component locator/harness routing view, or when linking from a schematic to an electrical center identification view

Depending on the amount of information that is linked to from a hotspot, the mouse pointer changes shape.

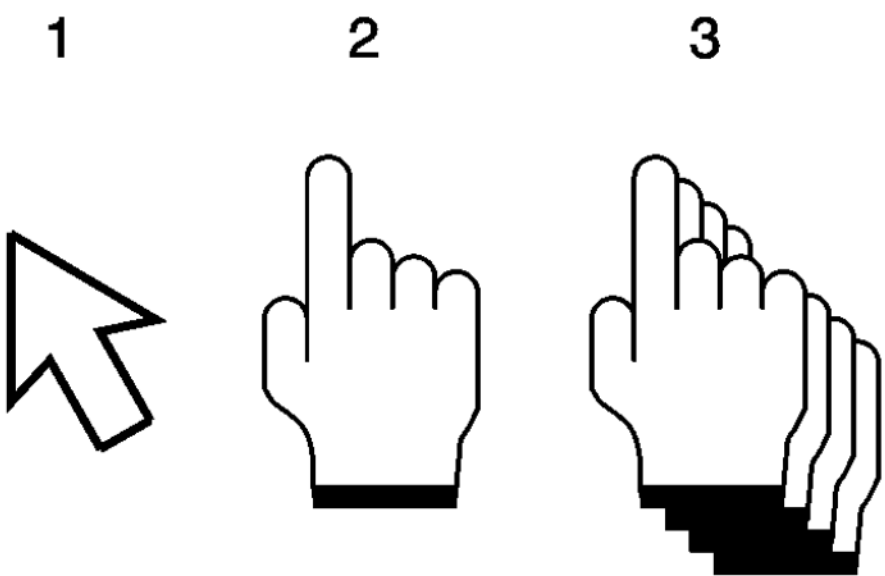


Fig. 21: Mouse Pointer Changes Shape
Courtesy of GENERAL MOTORS COMPANY

1. Basic mouse pointer - this means there are no hotspots available, but there may be a mouse-over available.
2. Single hand pointer - this means there is a mouse-over and hotspot link to a single document. Clicking on these areas will automatically take you to the target link.
3. Multiple hand pointer - this means there is a mouse-over and hotspot link to a multiple document. Clicking on these areas will bring up a pop-up menu that will display all available links. You may then select one of the available links clicking on one of the displayed links.

To see which areas of the schematic information have an available hotspot and/or a mouse-over, select and hold down the highlight hotspots button of the cgm viewer. This will highlight all areas of the graphic that have an available hotspot and/or a mouse-over in red. Once the button is released, the areas of the graphic will no longer be highlighted.



Fig. 22: Available Hotspot And/Or A Mouse-Over In Red
Courtesy of GENERAL MOTORS COMPANY

Each type of schematic related information has some level of these features. The schematic related information consists of the following information types:

- Schematics
- Connector End Views
- Component Locator Views
- Harness Routing Views
- Electrical Center Identification Views
- Master Electrical Component List
- Master Electrical Schematic Icons
- Schematics RPO Code List
- Circuit Number/Wire Colors
- Wire Lines
- Connector Cavities

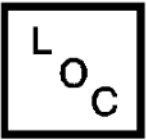
An electrical schematic hotspot is an activated icon or area in the schematic that can be cursor selected to link to additional information. Additionally, each of the hotspots in schematics has a mouse-over.

Hotspots in schematics are categorized into three types:

- Schematic Navigational Icon Hotspots
- Schematic Informational Icon Hotspots
- Schematic Navigational Hotspots

Schematic Navigational Icon Hotspots

The following lists icons that may appear on the upper right corner of a schematic that have an available mouse-over and hotspot.

Icon	Mouse-Over	Hotspot Link to Information
	Master Electrical Component List	Links to the vehicle Master Electrical Component List that shows all electrical components and harness items on the vehicle and has links to any available views
	Title of the subsystem description and operation	Links to the System Description and Operation
	Control Module References	Links to the Control Module References table
	Title of the next schematic page	Links to the next schematic of the subsystem schematics
	Title of the previous schematic page	Links to the previous schematic of the subsystem schematics

Schematic Informational Icon Hotspots

The following lists the icons that may appear anywhere on a schematic that have an available mouse-over and hotspot.

Icon	Mouse-Over	Hotspot Link to Information
Danger 	Master Electrical Schematic Icons	Links to the vehicle Master Electrical Schematic Icons list that describes the message for the icon.
High Voltage 	Master Electrical Schematic Icons	Links to the vehicle Master Electrical Schematic Icons list that describes the message for the icon.
Caution 	Master Electrical Schematic Icons	Links to the vehicle Master Electrical Schematic Icons list that describes the message for the icon.
Supplemental Restraint 	Master Electrical Schematic Icons	Links to the vehicle Master Electrical Schematic Icons list that describes the message for the icon.
Pedestrian Impact 	Master Electrical Schematic Icons	Links to the vehicle Master Electrical Schematic Icons list that describes the message for the icon.

Icon	Mouse-Over	Hotspot Link to Information
Additional Information 	Master Electrical Schematic Icons	Links to the vehicle Master Electrical Schematic Icons list that describes the message for the icon.

Schematic Navigational Hotspots

In addition to the navigational icons, schematics have other active hotspots that link to supporting information such as related schematics, component locator views, harness routing views, and connector end views.

These hotspots can be either text based or symbol based. The following are the items that will have a mouse-over and hotspot.

Schematic Title Circuit References

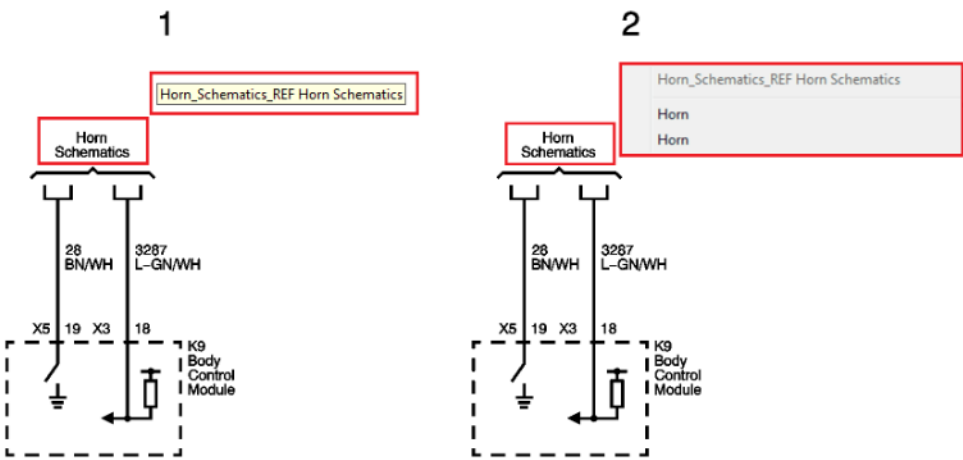


Fig. 23: Schematic Title Circuit References
Courtesy of GENERAL MOTORS COMPANY

1. **Mouse-over:** Displays the title of the schematic page linked to.
2. **Hotspot Link to Information:** Links to the individual subsystem schematic page(s) that shows the circuit in detail. If multiple circuits are included, or if the circuit is shown in multiple schematics, a menu will appear when the link is selected. This menu includes links to all schematics that contain the same circuit number as the circuit being referenced. Additionally, when the target schematic is opened, the referenced circuit will be highlighted to draw visual attention. Note that when there are multiple target links, the links may appear to be duplicate in the menu, however, they are not. The exact same title is repeated for each circuit number that is pointing to the same target schematic. A future update will include the circuit number before the link description to further assist in link selection.

Serial Data Functional Circuit Icon

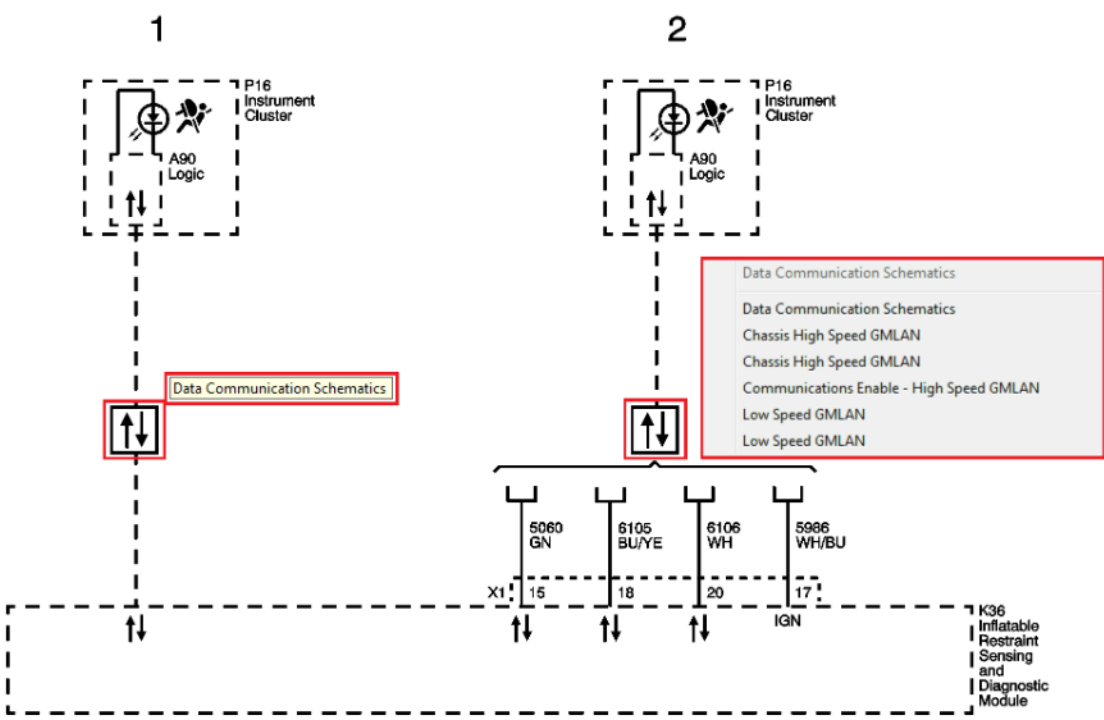


Fig. 24: Serial Data Functional Circuit Icon
Courtesy of GENERAL MOTORS COMPANY

1. **Mouse-over:** Displays the schematic title Data Communication Schematics.
2. **Hotspot Link to Information:**
 - When a dashed serial data wire and icon are shown without any circuit numbers, the serial data circuit icon will link to the complete list of Data Communication schematic pages, and not a specific schematic. This is due to no circuit numbers are shown.
 - When a circuit wire(s) are shown with circuit numbers, a menu will appear when the link is selected. This menu includes links to the list of Data Communication schematic pages as well as links to the individual schematics that contain the same circuit number as the circuit being referenced. Additionally, when the target schematic is opened, the referenced circuit will be highlighted to draw visual attention. Note that when there are multiple target links, the links may appear to be duplicate in the menu, however, they are not. The exact same title is repeated for each circuit number that is pointing to the same target schematic. A future update will include the circuit number before the link description to further assist in link selection.

Fuse/Circuit Breaker Symbol and Name within Subsystem Schematics

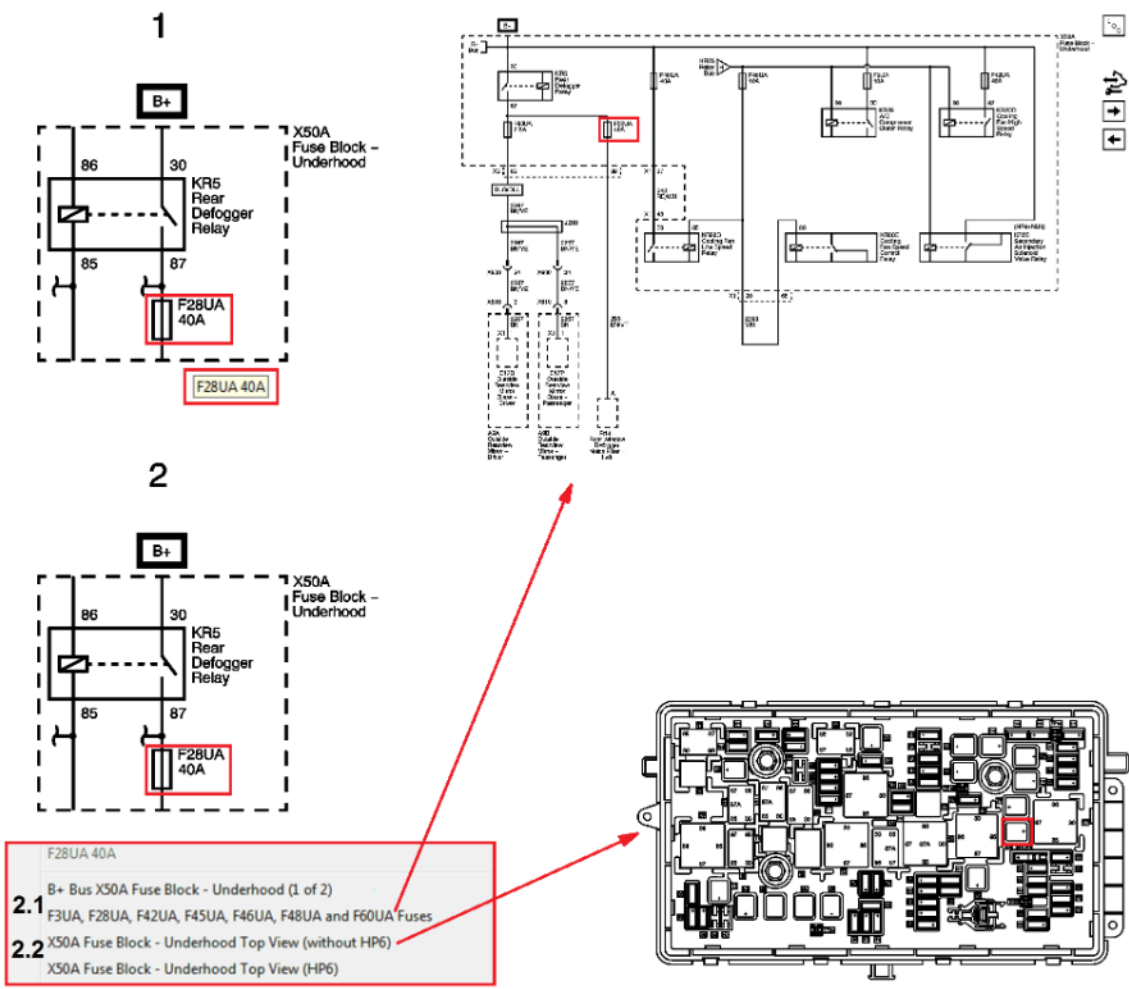


Fig. 25: Fuse/Circuit Breaker Symbol And Name Within Subsystem Wiring Schematics
Courtesy of GENERAL MOTORS COMPANY

- 1. **Mouse-over:** Displays the code and the amperage of the protection device.
- 2. **Hotspot Link to Information:**
 - When multiple links are available, a menu will appear when the link is selected. This menu includes all available links in a structured sequence.
 1. Links to the individual schematic page(s) within the Power Distribution Schematics where the circuits are shown in detail. Additionally, when the target schematic is opened, the circuit protection device will be highlighted to draw visual attention.
 2. Links to individual fuse block top or bottom view(s) within the Electrical Center Identification Views and will show where the device is located in the fuse block. Additionally, when the target view is opened, the device outline will be highlighted for visual attention.

Ground Symbol/Name in Subsystem Schematics

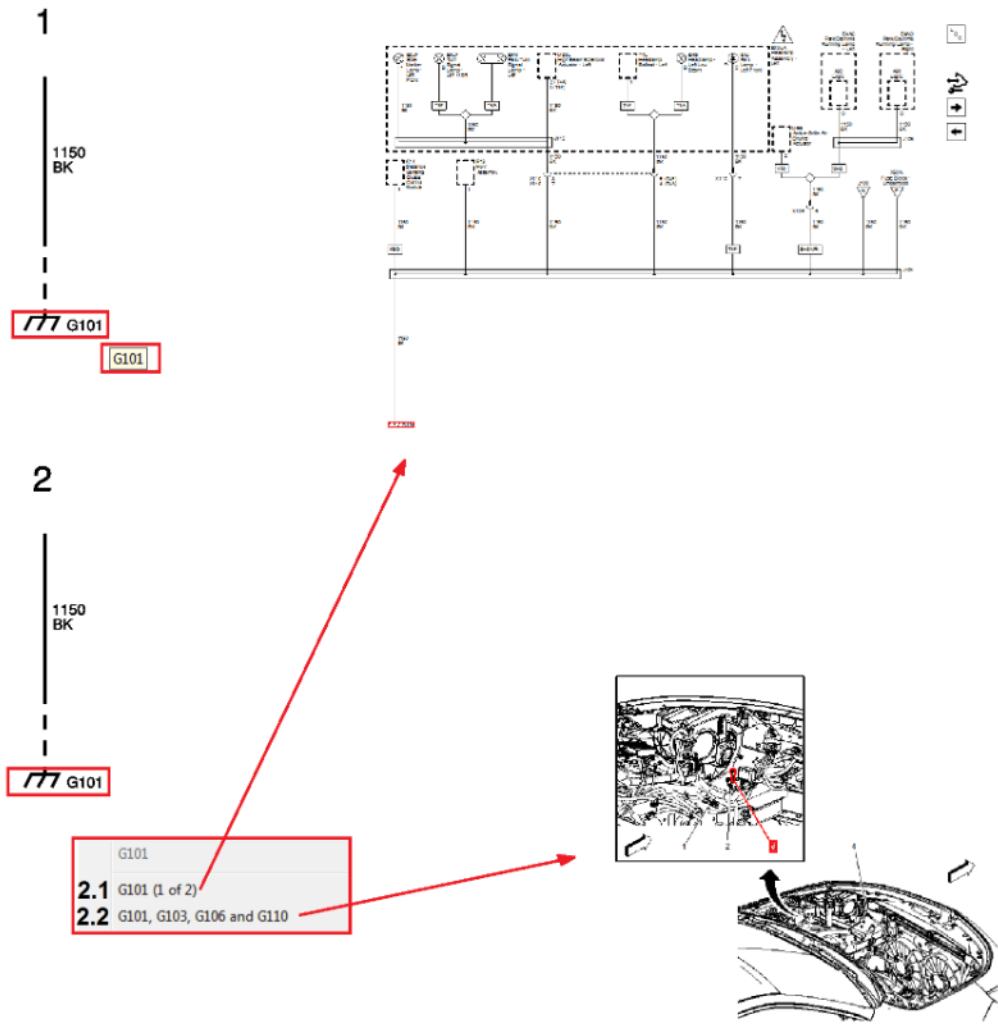


Fig. 26: Ground Symbol/Name In Subsystem Wiring Schematics
Courtesy of GENERAL MOTORS COMPANY

- 1. **Mouse-over:** Displays the ground number.
- 2. **Hotspot Link to Information:**
 - When multiple links are available, a menu will appear when the link is selected. This menu includes all available links in a structured sequence.
 1. Links to the individual schematic page(s) within the Ground Distribution Schematics where the circuits are shown in detail. Additionally, when the target schematic is opened, the ground will be highlighted to draw visual attention.
 2. Links to the individual locator view(s) within the Ground Views and will show where the ground is located on the vehicle. Additionally, when the target view is opened, the ground and callout leader line/number will be highlighted to draw visual attention.

Body Control Module High-Side Driver Output Symbol/Driver Source Fuse Name in Subsystem Schematics

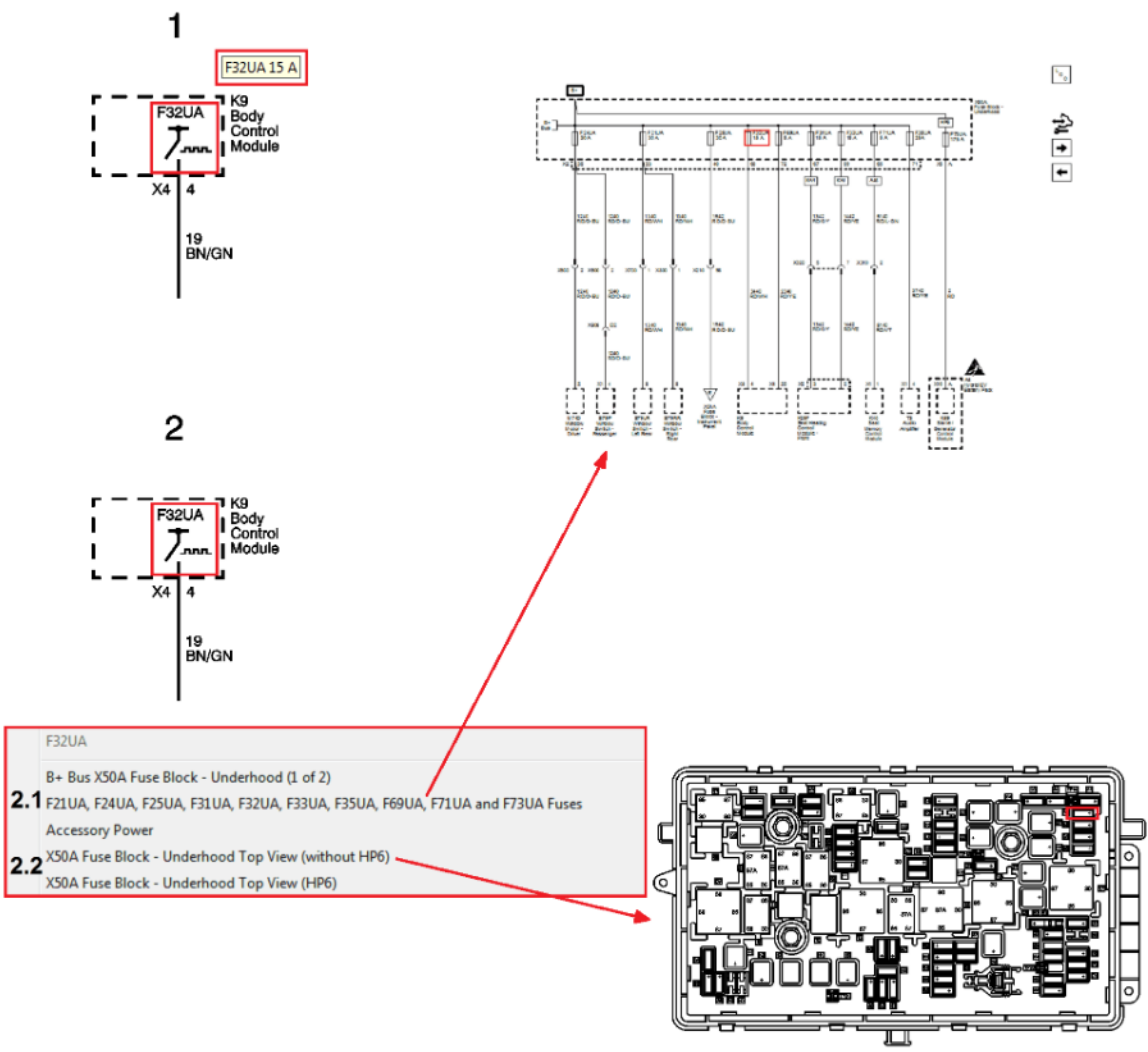


Fig. 27: Body Control Module High-Side Driver Output Symbol/Driver Source Fuse Name in Subsystem Wiring Schematics
Courtesy of GENERAL MOTORS COMPANY

- 1. **Mouse-over:** Displays the code of the protection device that supplies the high-side driver output circuit.
- 2. **Hotspot Link to Information:**
 - When multiple links are available, a menu will appear when the link is selected. This menu includes all available links in a structured sequence.
 - 1. Links to the individual schematic page(s) within the Power Distribution Schematics where the circuits are shown in detail. Additionally, when the target schematic is opened, the circuit protection device will be highlighted to draw visual attention.
 - 2. Links to individual fuse block top or bottom view(s) within the Electrical Center Identification Views and will show where the device is located in the fuse block. Additionally, when the target view is opened, the device outline will be highlighted for visual attention.

Component Name in Power and Ground Distribution Schematics

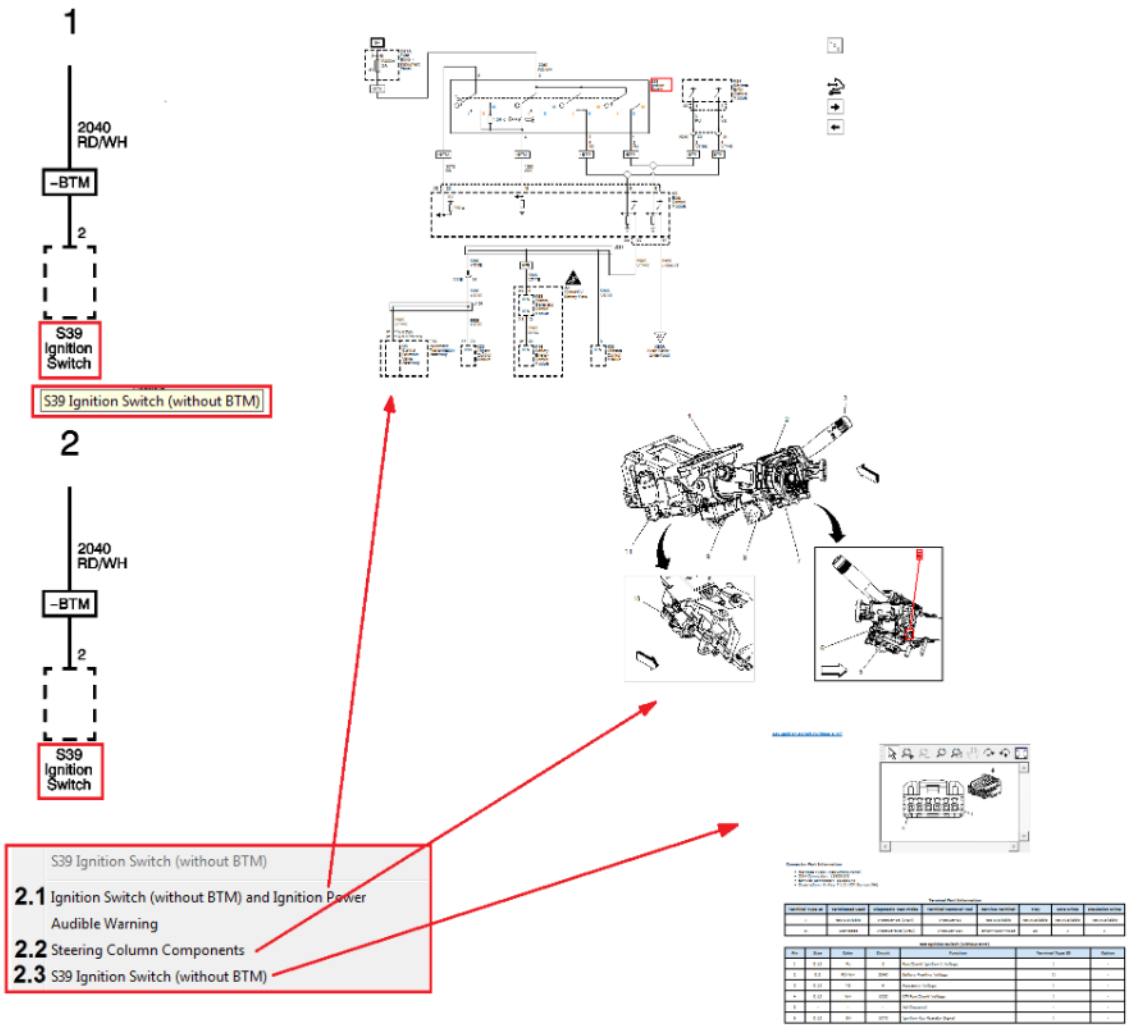
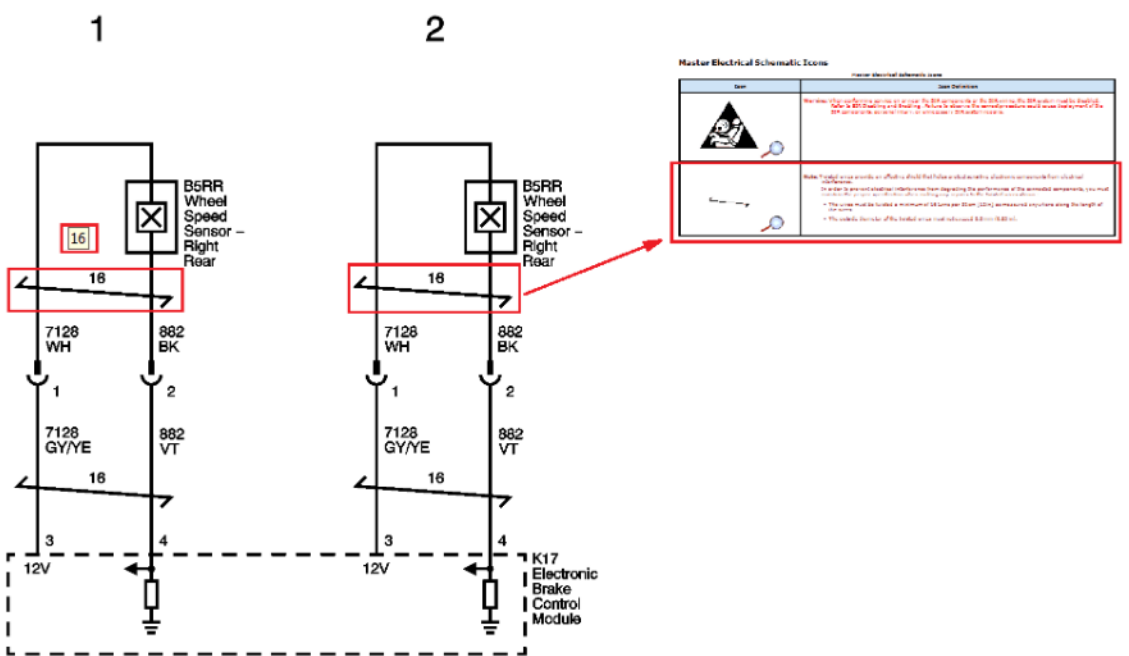


Fig. 28: Component Name in Power and Ground Distribution Wiring Schematics
Courtesy of GENERAL MOTORS COMPANY

- 1. **Mouse-over:** Displays the code and name of the component.
- 2. **Hotspot Link to Information:**
 - When multiple links are available, a menu will appear when the link is selected. This menu includes all available links in a structured sequence.
 - 1. Links to the individual schematic page(s) within the Subsystem Schematic(s) where the circuits are shown in detail. Additionally, when the target schematic is opened, the component code and name will be highlighted to draw visual attention.
 - 2. Links to the individual locator view(s) within the applicable component view category and will show where the component is located on the vehicle. Additionally, when the target view is opened, the component and callout leader line/number will be highlighted to draw visual attention.
 - 3. Links to individual connector end view(s) within the Component Connector End Views.

Twisted Pair Symbols



10/23/2019
Fig. 29: Twisted Pair Symbols
Courtesy of GENERAL MOTORS COMPANY

1. **Mouse-over:** Displays the repair specification for the number of twists of the wire within the specified distance.
2. **Hotspot Link to Information:** Links to the Master Electrical Schematic Icons list that shows the icon along with the repair specification details for the wire.

Relay Name (located within a block)

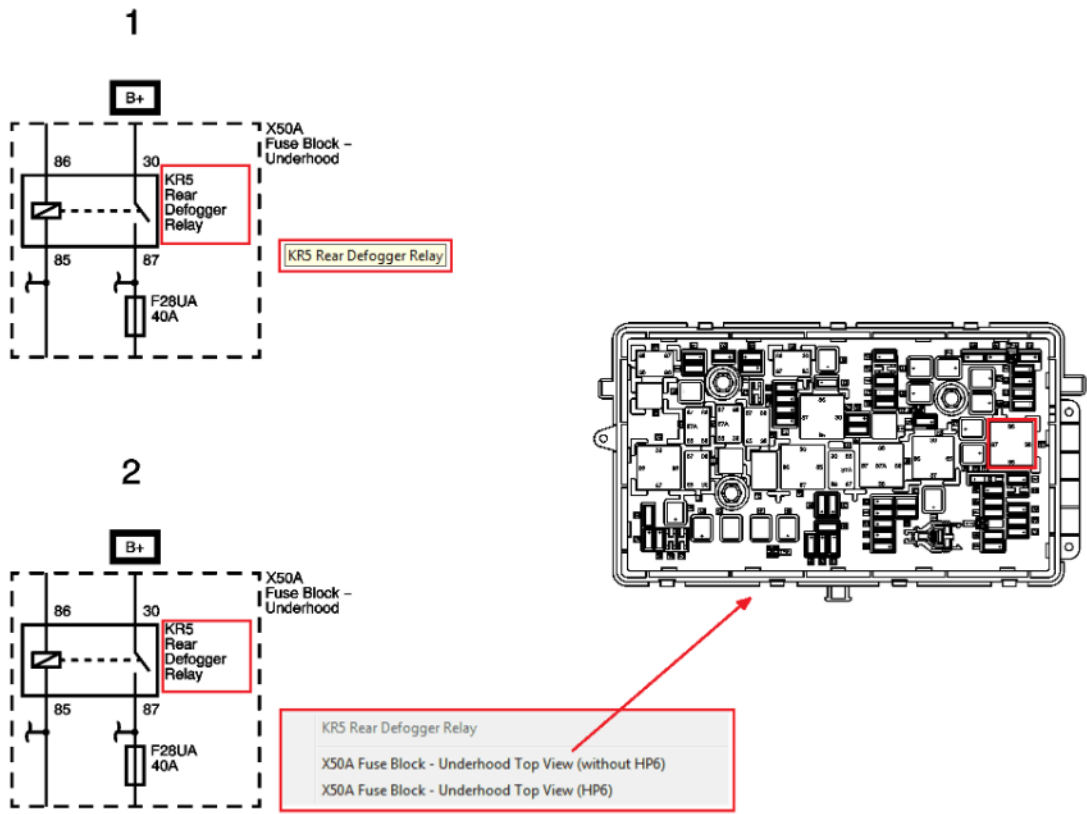


Fig. 30: Relay Name (Located Within A Block)
Courtesy of GENERAL MOTORS COMPANY

1. **Mouse-over:** Displays the relay code and name.
2. **Hotspot Link to Information:** Links to individual fuse block top or bottom view(s) within the Electrical Center Identification Views and will show where the device is located in the fuse block. Additionally, when the target view is opened, the device outline will be highlighted for visual attention.

Component Name in Subsystem Schematics

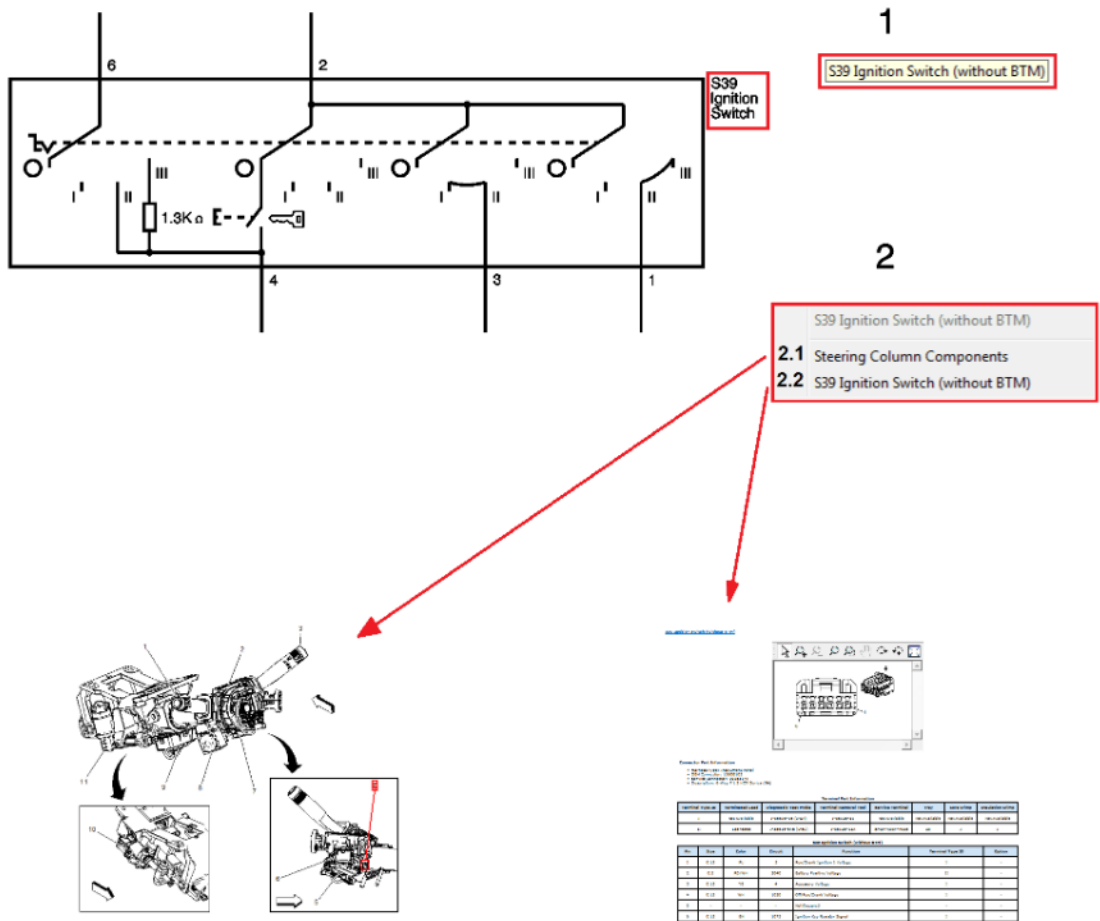


Fig. 31: Component Name In Subsystem Wiring Schematics
Courtesy of GENERAL MOTORS COMPANY

1. **Mouse-over:** Displays the code and name of the component.
2. **Hotspot Link to Information:**
 - When multiple links are available, a menu will appear when the link is selected. This menu includes all available links in a structured sequence.
 - 1. Links to the individual locator view(s) within the applicable component view category and will show where the component is located on the vehicle. Additionally, when the target view is opened, the component and callout leader line/number will be highlighted to draw visual attention.
 - 2. Links to individual connector end view(s) within the Component Connector End Views.

Splice Names

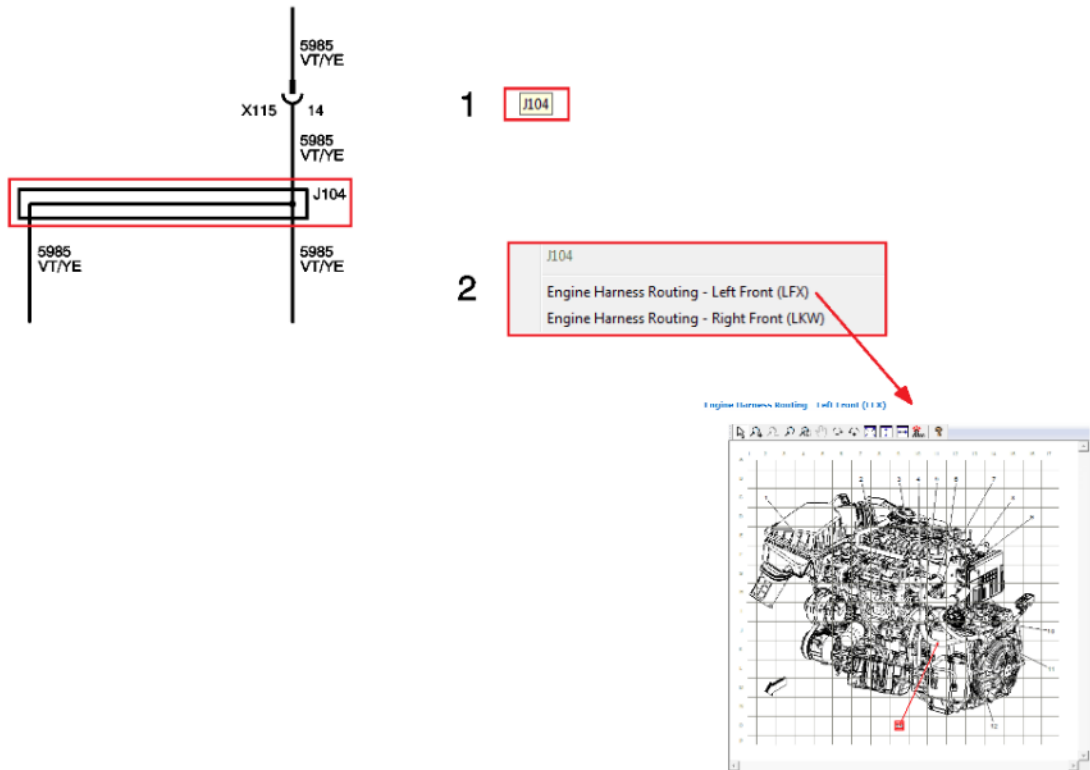


Fig. 32: Splice Names
Courtesy of GENERAL MOTORS COMPANY

1. **Mouse-over:** Displays the code of the harness splice.
2. **Hotspot Link to Information:** Links to the individual harness routing view(s) within the Harness Routing Views and will show where the harness item is located on the vehicle harness. Additionally, when the target view is opened, the harness item and callout leader line/number will be highlighted to draw visual attention.

Splice Pack Names

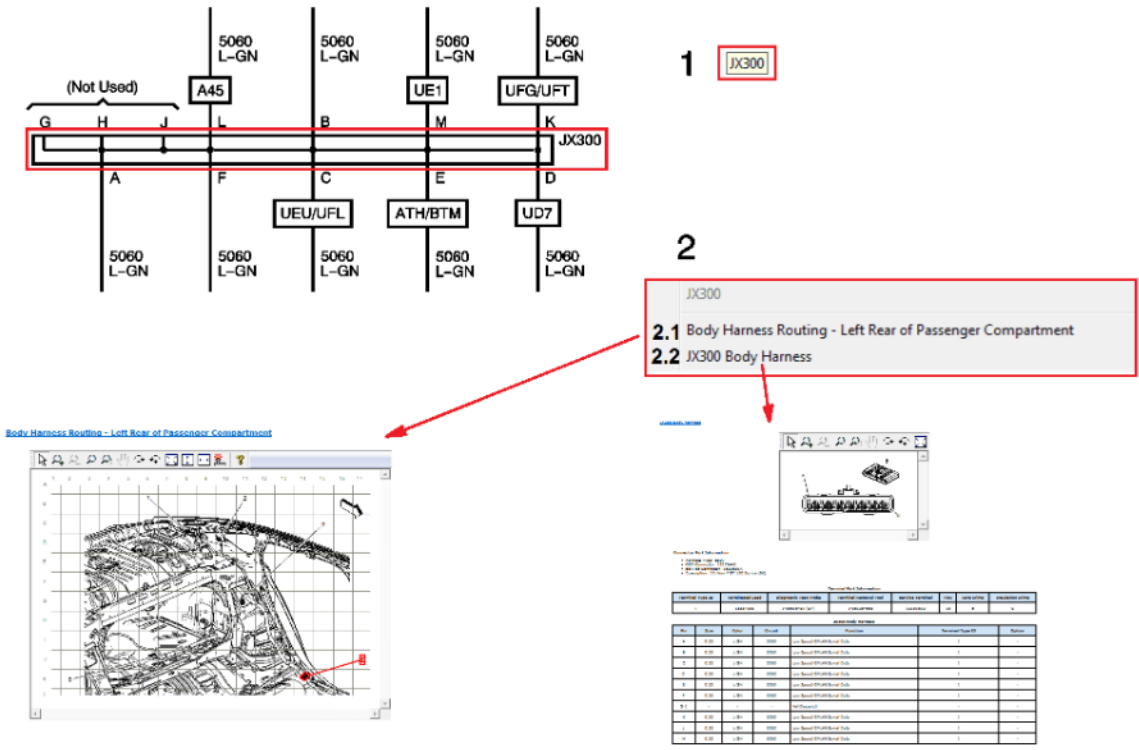


Fig. 33: Splice Pack Names
Courtesy of GENERAL MOTORS COMPANY

- 1. **Mouse-over:** Displays the code of the harness splice pack.
- 2. **Hotspot Link to Information:**
 - When multiple links are available, a menu will appear when the link is selected. This menu includes all available links in a structured sequence.
 - 1. Links to the individual harness routing view(s) within the Harness Routing Views and will show where the harness item is located on the vehicle harness. Additionally, when the target view is opened, the harness item and callout leader line/number will be highlighted to draw visual attention.
 - 2. Links to individual connector end view(s) within the Splice Pack Connector End Views.

Inline Harness Connector Names

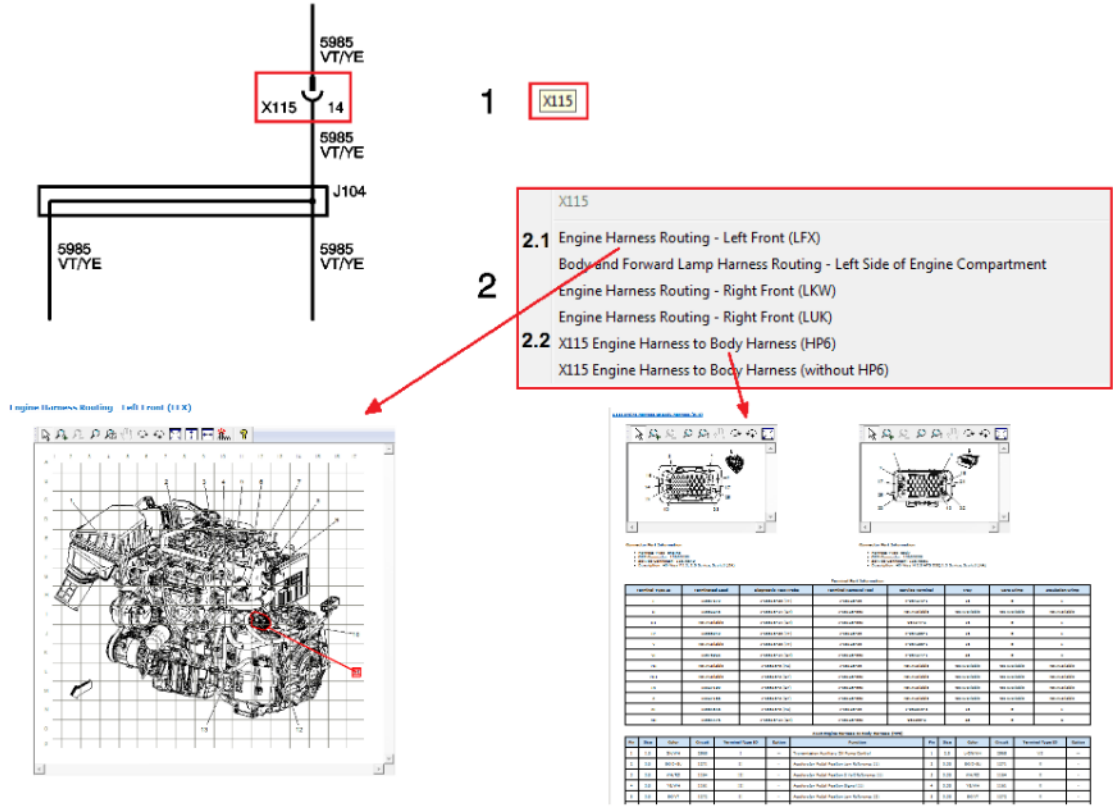


Fig. 34: Inline Harness Connector Names
Courtesy of GENERAL MOTORS COMPANY

- 1. **Mouse-over:** Displays the code of the inline harness connector.
- 2. **Hotspot Link to Information:**
 - When multiple links are available, a menu will appear when the link is selected. This menu includes all available links in a structured sequence.
 - 1. Links to the individual harness routing view(s) within the Harness Routing Views and will show where the harness item is located on the vehicle harness. Additionally, when the target view is opened, the harness item and callout leader line/number will be highlighted to draw visual attention.
 - 2. Links to individual connector end view(s) within the Inline Harness Connector End Views.

Regular Production Option (RPO) Codes/Icons

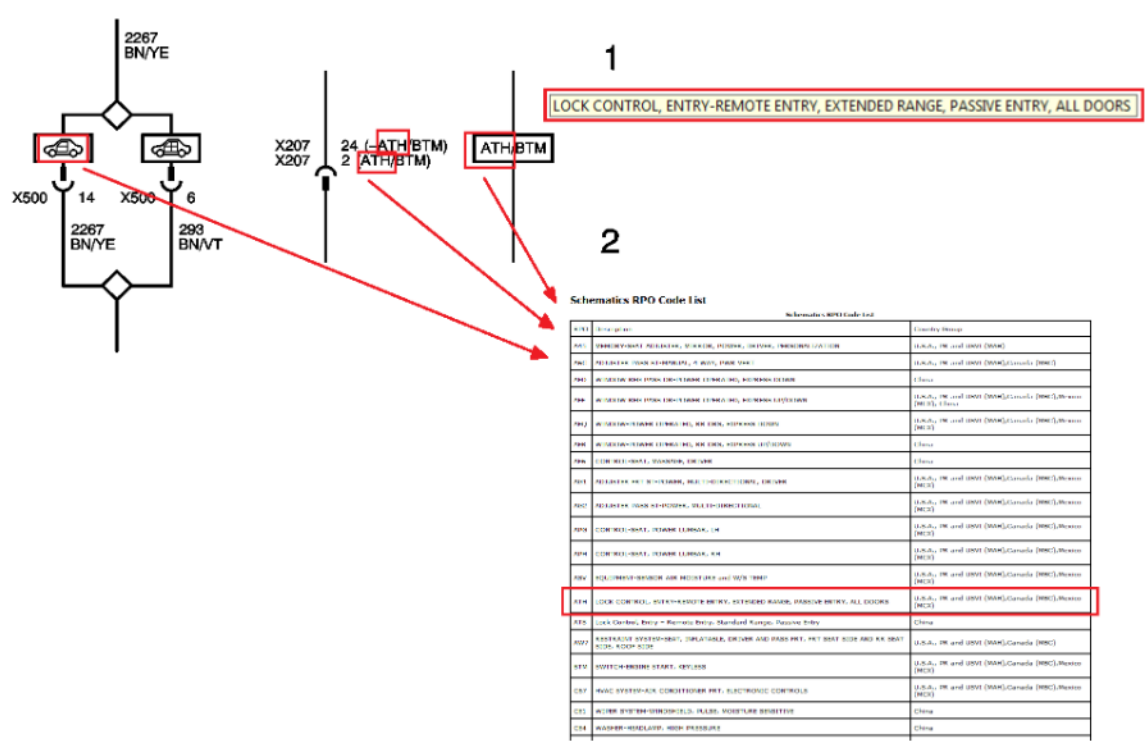


Fig. 35: Regular Production Option (RPO) Codes/Icons
Courtesy of GENERAL MOTORS COMPANY

- 1. **Mouse-over:** Displays the description of the RPO code as well as the country group names where the option is possible to order. Note that each RPO shown will have its own mouse-over and description. Also note that the mouse-over does not include any symbols indicating with (shown as a + sign if combined option) or without (shown as a - sign to mean without/except).
- 2. **Hotspot Link to Information:** Links to the Schematics RPO Code List that shows the RPO, the description of the option, and the country group names where the option is possible to order.

Circuit Number/Wire Colors

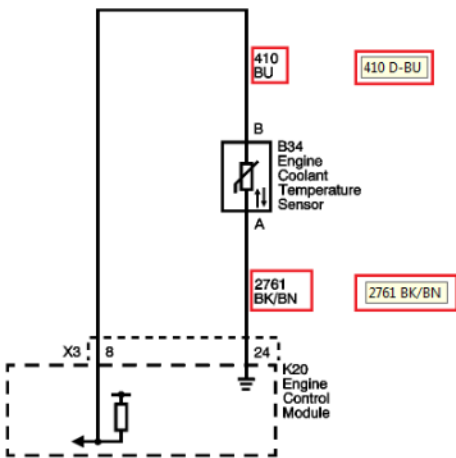


Fig. 36: Circuit Number/Wire Colors
Courtesy of GENERAL MOTORS COMPANY

- 1. **Mouse-over:** Displays the circuit number (if shown) and the color abbreviation of the wire insulation. Refer to Color Abbreviations for an explanation of each wire color abbreviation. A future update may spell out the wire colors in all languages.
- 2. **Hotspot Link to Information:** None at this time.

Wire Lines

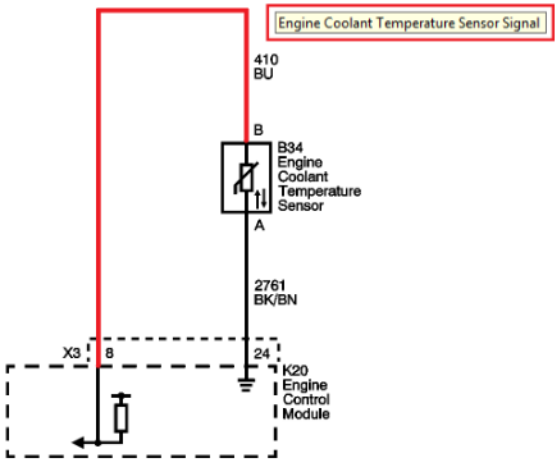


Fig. 37: Wire Lines
Courtesy of GENERAL MOTORS COMPANY

- 1. **Mouse-over:** Displays the circuit function of the wire as used on the vehicle. This same function is shown in the connector end view pinout table for the component the wire connects. Note if there is no circuit number shown, the circuit will not have an associated mouse-over.
- 2. **Hotspot Link to Information:** None at this time. A future update may include links to harness routing views to show the routing of the circuit within the vehicle harness.

Connector Identifiers and Cavities

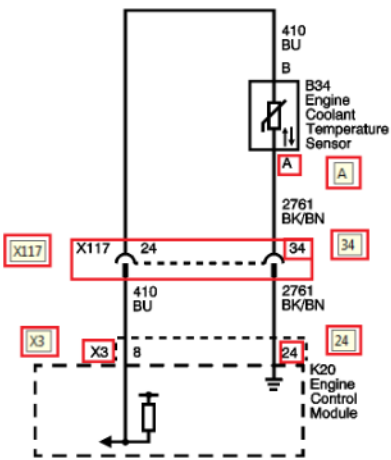


Fig. 38: Connector Identifiers And Cavities
Courtesy of GENERAL MOTORS COMPANY

- 1. **Mouse-over:** Displays the cavity (pin) identifier (letter/number) for the connection at the component or inline harness connection.
- 2. **Hotspot Link to Information:** None at this time.

Connector End Views

Connector end view graphics now have mouse-overs to show the wire details of each of the populated cavities. Additionally, the terminal part information has been restructured into an easier to read table.

85 Body Control Module (BCM)

Terminal Information

Terminal Type ID	Terminal Color	Terminal Size (mm)	Terminal Material	Terminal Finish	Terminal Type	Terminal Size	Terminal Type
1	12027-028	2.28x1.28 (0.91)	2.28x1.28 (0.91)	2.28x1.28 (0.91)	2.28x1.28 (0.91)	2.28x1.28 (0.91)	2.28x1.28 (0.91)
2	12027-028	2.28x1.28 (0.91)	2.28x1.28 (0.91)	2.28x1.28 (0.91)	2.28x1.28 (0.91)	2.28x1.28 (0.91)	2.28x1.28 (0.91)
3	12027-028	2.28x1.28 (0.91)	2.28x1.28 (0.91)	2.28x1.28 (0.91)	2.28x1.28 (0.91)	2.28x1.28 (0.91)	2.28x1.28 (0.91)

85 Body Control Module (BCM)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.178	BL	12028	Engine Coolant Temperature Sensor	1	
2	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
3	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
4	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
5	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
6	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
7	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
8	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
9	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
10	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
11	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
12	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
13	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
14	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
15	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
16	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
17	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
18	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
19	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
20	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
21	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
22	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
23	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
24	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
25	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
26	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
27	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
28	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
29	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
30	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
31	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
32	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
33	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
34	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
35	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
36	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
37	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
38	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
39	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
40	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
41	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
42	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
43	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
44	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
45	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
46	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
47	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
48	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
49	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
50	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
51	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
52	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
53	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
54	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
55	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
56	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
57	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
58	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
59	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
60	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
61	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
62	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
63	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
64	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
65	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
66	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
67	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
68	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
69	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
70	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
71	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
72	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
73	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
74	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
75	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
76	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
77	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
78	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
79	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
80	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
81	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
82	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
83	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
84	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
85	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
86	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
87	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
88	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
89	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
90	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
91	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
92	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
93	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
94	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
95	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
96	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
97	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
98	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
99	0.178	12028	12028	Engine Coolant Temperature Sensor	1	
100	0.178	12028	12028	Engine Coolant Temperature Sensor	1	

Fig. 39: Connector End View Graphics Table Information
Courtesy of GENERAL MOTORS COMPANY

- 1. **Mouse-over:** Displays all of the pinout table information for each column including Pin, Size, Color, Circuit, Function, Terminal Type ID, and Option. Note, that not used/not occupied cavities will not have a mouse-over at all. For not used/not occupied cavities, the connector graphic will appear to have a mouse-over, but no information will be displayed in a pop-up menu.
- 2. **Hotspot Link to Information:** None at this time. A future update may include links to individual subsystem schematic(s) for each circuit.

Component Locator Views

Component locator views now have links to component connector end views.

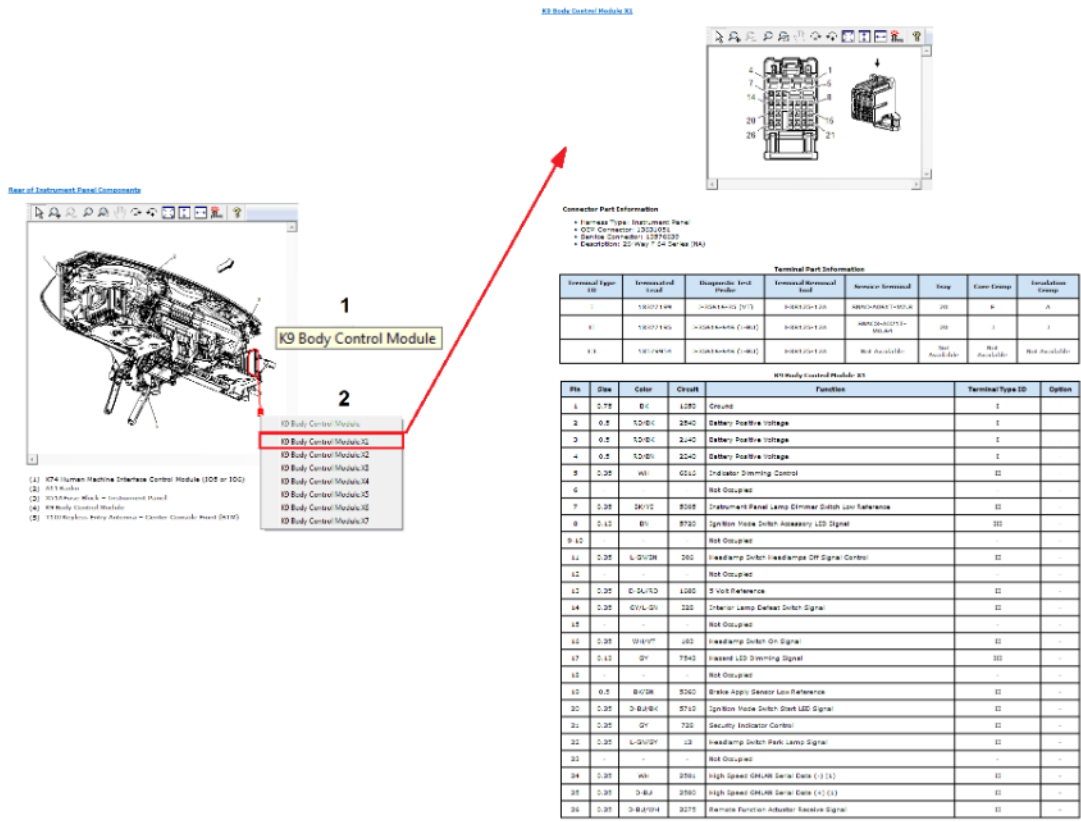


Fig. 40: Component Locator Views Have Links To Component Connector End Views
Courtesy of GENERAL MOTORS COMPANY

- 1. **Mouse-over:** Displays the code and name of the component.
- 2. **Hotspot Link to Information:** Links to individual connector end view(s) within Component Connector End Views.

Harness Routing Views

Harness routing views now have links to splice pack and inline harness connector end views.

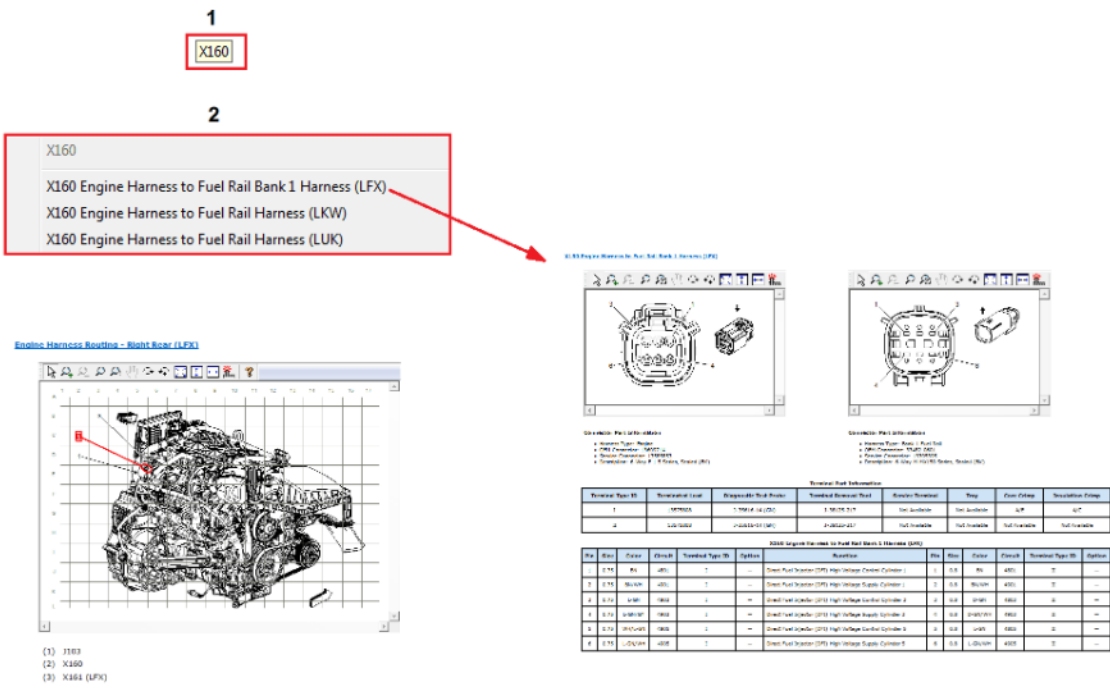
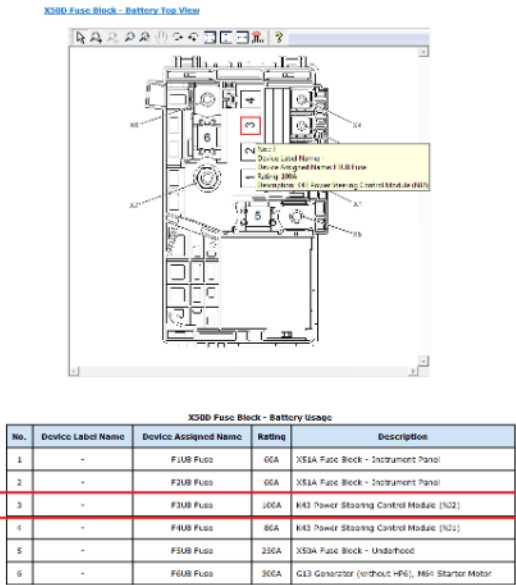


Fig. 41: Harness Routing Views Have Links To Splice Pack And Inline Harness Connector End Views
Courtesy of GENERAL MOTORS COMPANY

- 1. **Mouse-over:** Displays the code of the harness item.
- 2. **Hotspot Link to Information:** Links to individual splice pack connector end view(s) within Splice Pack Connector End Views for splice packs and to the individual inline harness connector end view(s) within Inline Harness Connector End Views for inline harness connectors.

Electrical Center Identification Views

Electrical center identification views (top and bottom/front and back) graphics now have mouse-overs to show the function details of each of utilized devices. Note that the label view will not have any mouse-overs or links at all.



- ## Master Electrical Schematic Icons

[illegible]

Fig. 44: Master Electrical Wiring Schematic Icons List Format
Courtesy of GENERAL MOTORS COMPANY

- ### Schematic RPO Code List

Master Electrical Schematic Icons		Master Electrician's Handbook Icons	
Icon	Icon Definition	Icon	Icon Definition
			
			
			
			
			

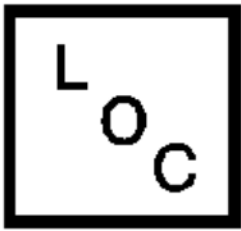
Symbol	Description
	Ignition Switch - Accessory Position
	Ignition Switch - Run Position
	Ignition Switch - Start Position

General Icons

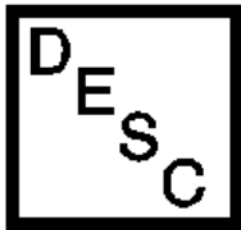
Symbol	Description

Symbol

Description



Master Component List Icon
This icon is used on the schematic to link to the Master Electrical Component List.



Description and Operation Icon
This icon is used on the schematic to link to the Description and Operation of that particular system.



Computer Programming Icon
This icon is used on the schematic to link to Control Module References, which identifies which components need programming upon replacement.

Symbol

Description



Next Schematic Page Icon
This icon is used on the schematic to navigate to the next schematic in the subsystem.



Previous Schematic Page Icon
This icon is used on the schematic to navigate to the previous schematic in the subsystem.



Supplemental Inflatable Restraint (SIR) or Supplemental Restraint System (SRS) Icon
This icon is used to alert the technician that the system contains SIR/SRS components that require certain precautions before servicing.

Symbol

Description



Information Icon
This icon is used to alert the technician that there is additional information that will aid in servicing a system.



Danger Icon
This icon is intended to alert the technician that a component within the system contains labeling with the same icon.
This icon is used when a source component has potential for 60 volts DC or greater or has potential for 42 volts AC or greater.



High Voltage Icon
This icon is intended to alert the technician that a component within the system contains labeling with the same icon.
This icon is used when a component/circuit has potential for 60 volts DC or greater or has potential for 42 volts AC or greater.

Symbol	Description
	Caution Icon This icon is used to advise the technician to use caution when servicing this component. This icon may be used when a component/circuit has a voltage range potential between 30-60 volts DC or 15-42 volts AC.
	Functional Serial Data Communication This icon is used to show the technician that the serial data circuit detail is shown incomplete. It also provides an active link to the Data Communication Schematics were the circuit is shown complete.

Switch Position Icons

Symbol	Description
	Generic Up Arrows

Symbol	Description
	Generic Down Arrows
	
	Generic Left Arrows
	
	Generic Right Arrows
	
	

Symbol

Description



Generic Express Down Arrows



On/Off Icon



Generic Lock Icon



Generic Unlock Icon



Generic Window Switch Positions - 4 Door



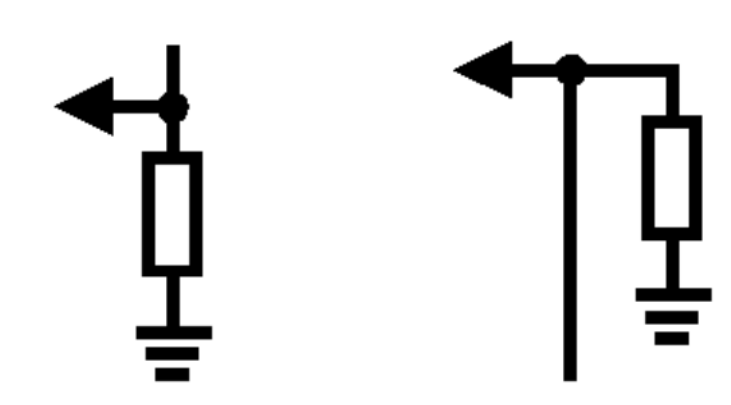
Generic Window Switch Positions - 2 Door

Module Circuit Function Icons

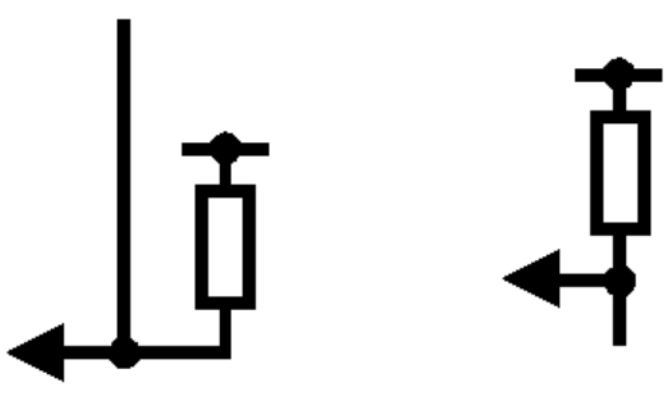
[illegible]

Symbol

Description



I/O Pull-Down Resistors (-)



I/O Pull-Up Resistors (+)



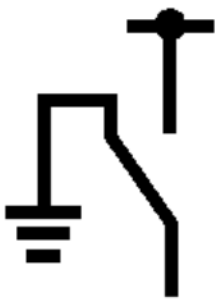
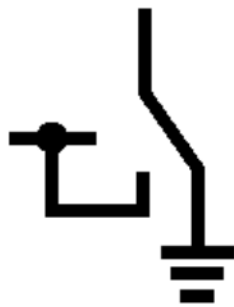
I/O High-Side Drive Switch (+)

Symbol

Description



I/O Low-Side Drive Switch (+)



I/O Bidirectional Switch (+/-)



Pulse-Width Modulation Symbol

Symbol	Description
B+	Battery Voltage
IGN	Ignition Voltage
5V	Voltage Reference

Symbol

Description

5V AC

A/C Voltage



Low Reference



Ground

Symbol

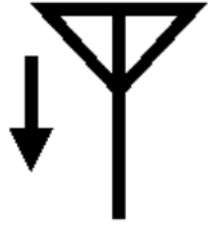
Description



Serial Data



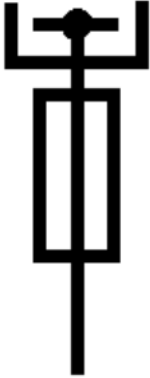
Antenna Signal - In



Antenna Signal - Out

Symbol	Description
	Brake Apply

Harness Components

Symbol	Description
	Fuse
PWR/TRN Relay 	Fuse Supplied by a Relay

Symbol

Description



Circuit Breaker



Fusible Link



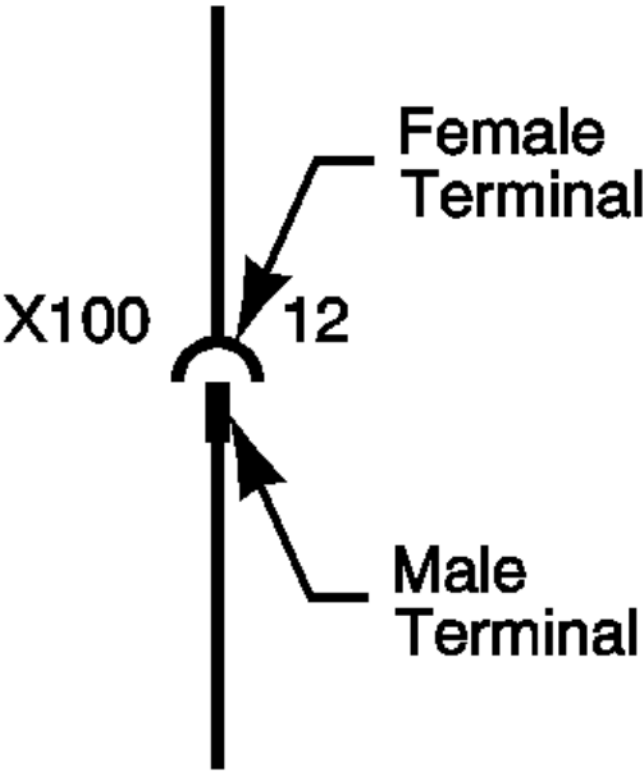
Ground

Symbol

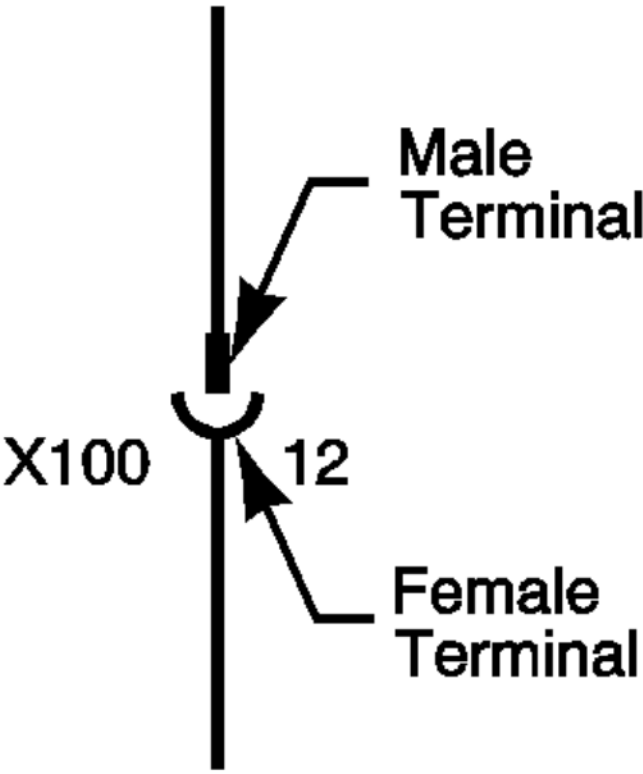
Description



Case Ground



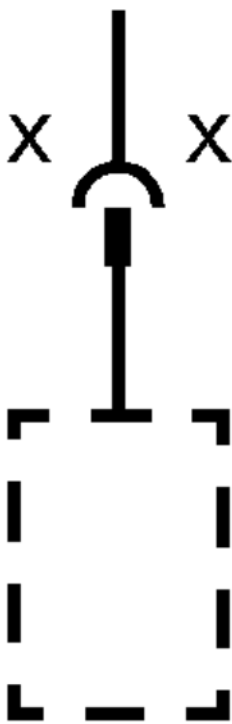
Inline Harness Connector



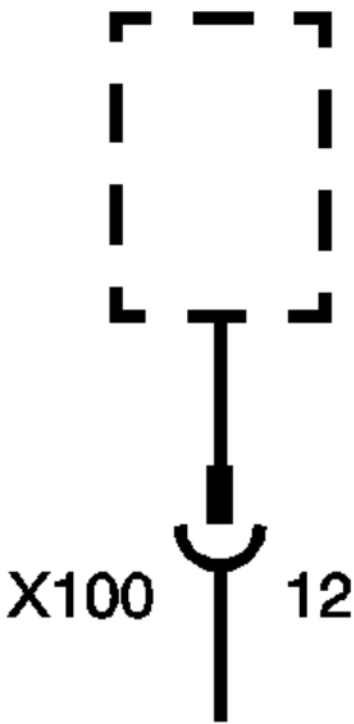
Inline Harness Connector

Symbol

Description



Pigtail Connection



Pigtail Connection



Provisional or Diagnostic Connector

Symbol

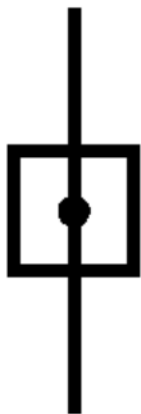
Description



Blunt Cut Wire



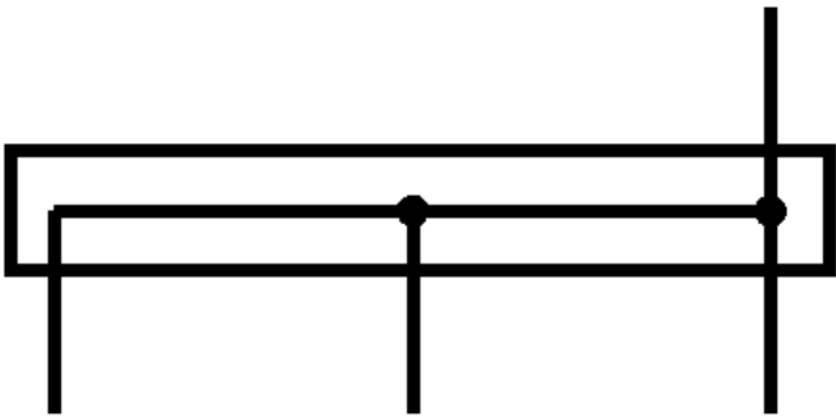
Incomplete Physical Splice



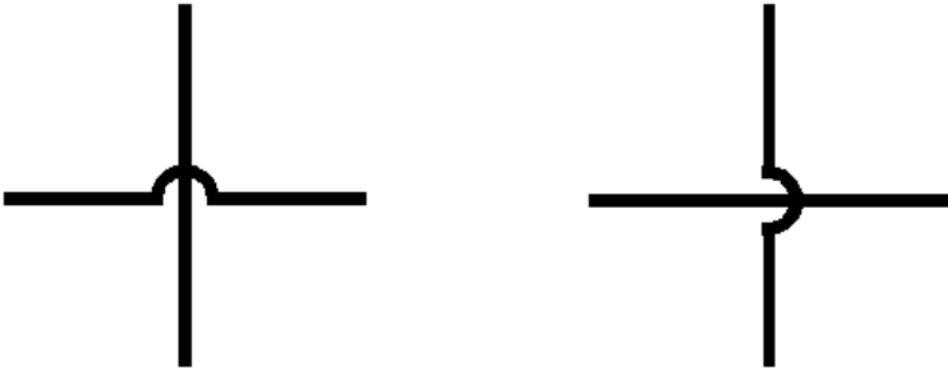
Complete Physical Splice - 2 Wires

Symbol

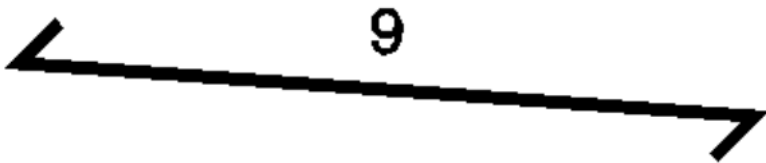
Description



Complete Physical Splice - 3 or more wires



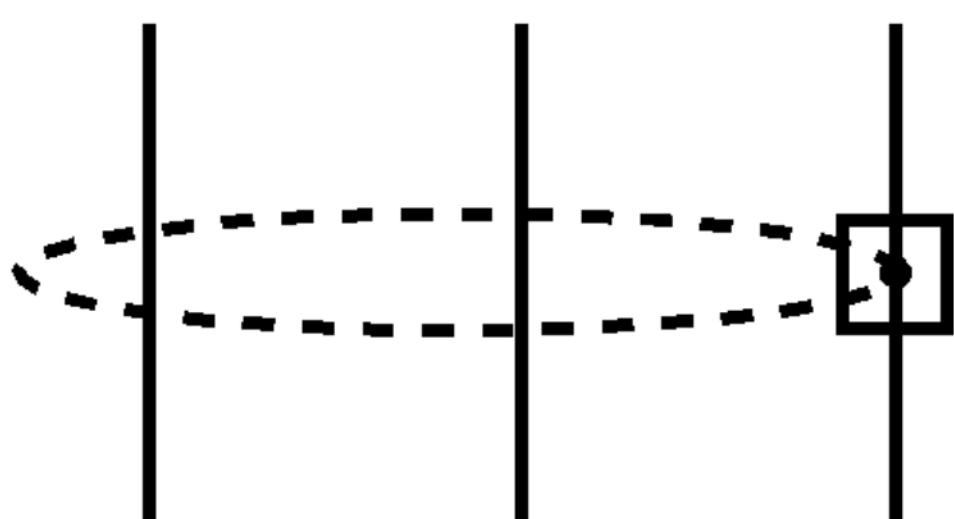
Wire Crosses



Twisted Wires

Symbol

Description



Shield



Circuit References

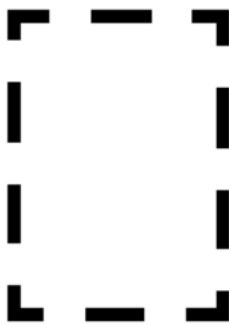


Circuit Continuation Arrowheads

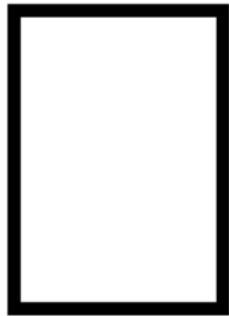
[illegible]

Symbol

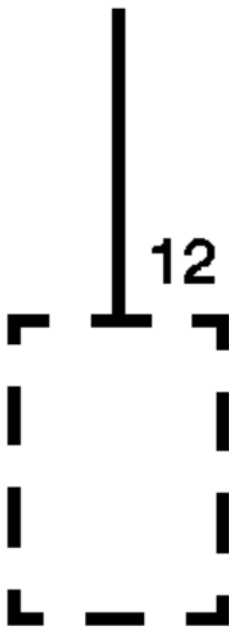
Description



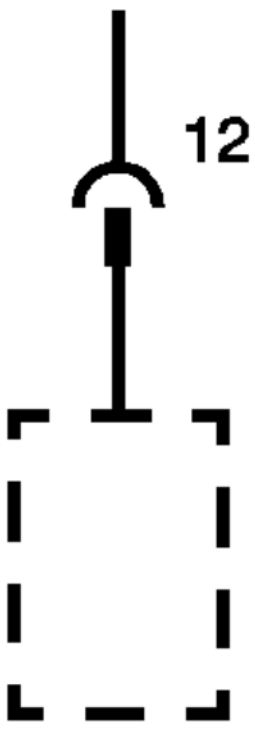
Partial Component
When a component is represented in a dashed box, the component or its wiring is not shown in its entirety.



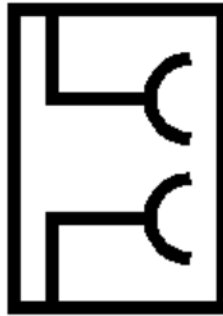
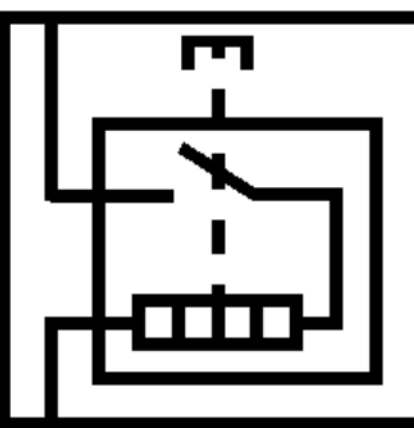
Entire Component
When a component is represented in a solid box the component or its wiring is shown in its entirety.



Connector Directly Attached to Component

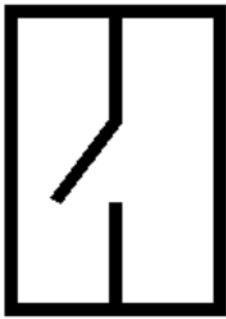
Symbol	Description
	Pigtail Connector

Switches and Relays

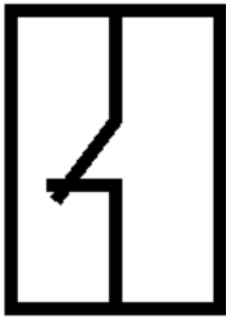
Symbol	Description
	Accessory Power Outlet
	Cigar Lighter

Symbol

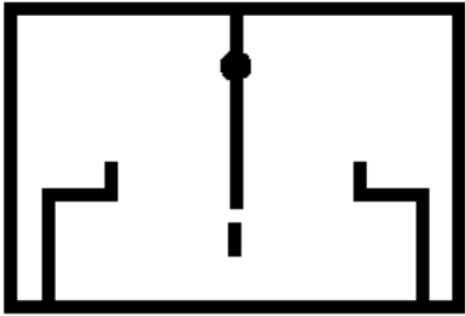
Description



Switch - 2 Position Normally Open



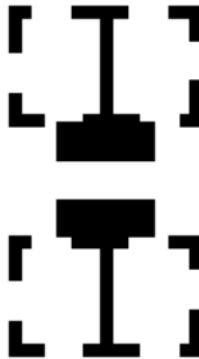
Switch - 2 Position Normally Closed



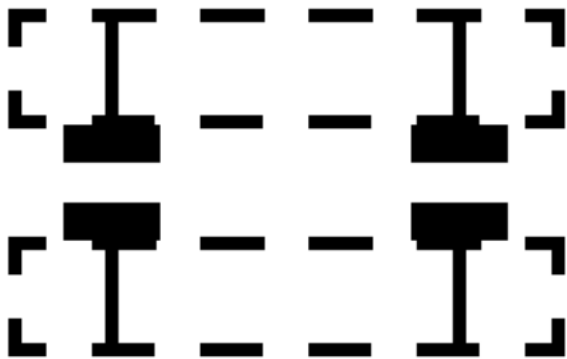
Switch - Rocker

Symbol

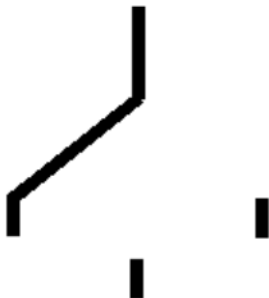
Description



Switch - Contact Plate (1 Wire)



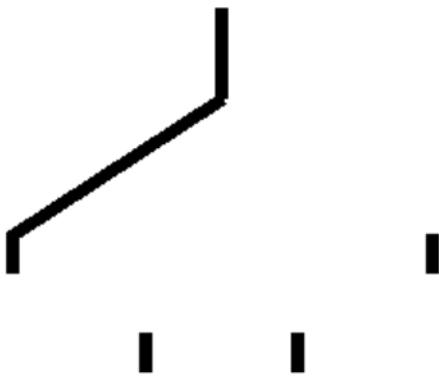
Switch - Contact Plate (2 Wire)



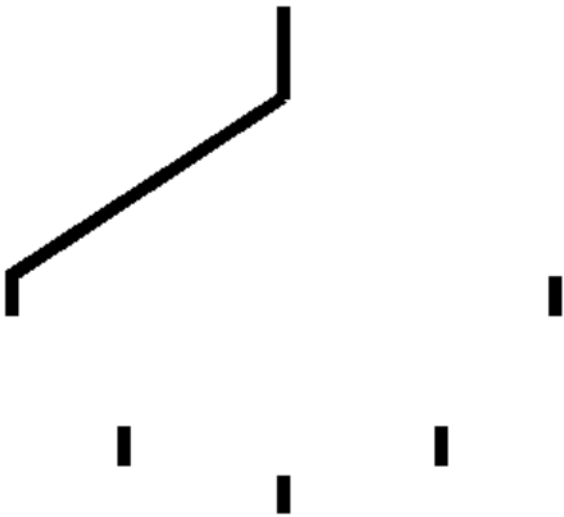
Switch - 3 Position

Symbol

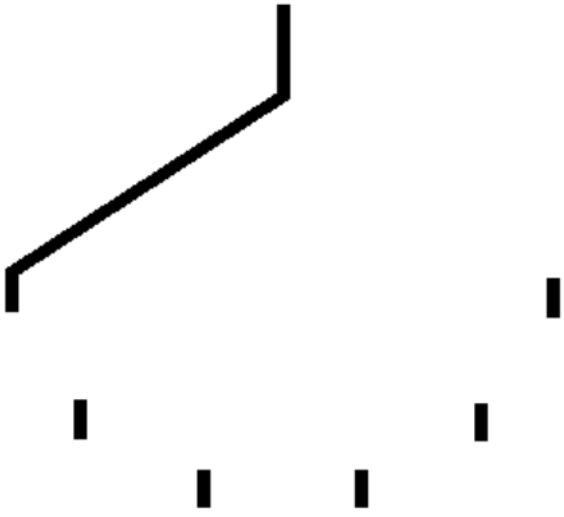
Description



Switch - 4 Position



Switch - 5 Position



Switch - 6 Position

Symbol

Description



Switch Actuator - Push (Momentary)



Switch Actuator - Push (Latching)



Switch Actuator - Pull (Momentary)

Symbol

Description



Switch Actuator - Pull (Latching)



Switch Actuator - Rotate (Momentary)



Switch Actuator - Rotate (Latching)

Symbol

Description



Switch Actuator - Slide (Momentary)



Switch Actuator - Slide (Latching)



Switch Actuator - Pressure (Momentary)

Symbol

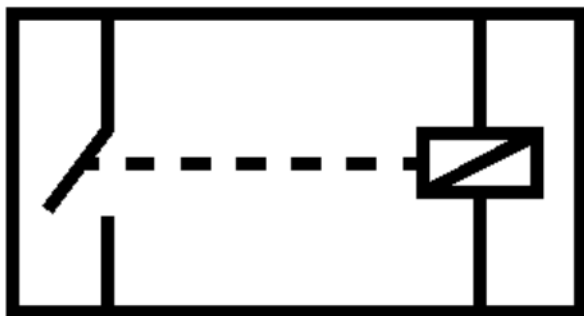
Description



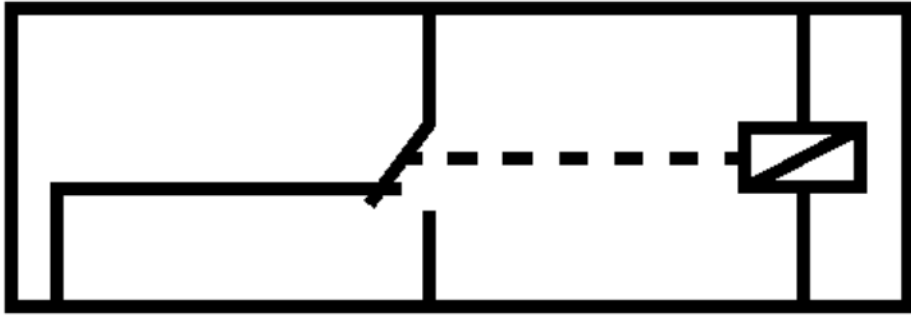
Switch Actuator - Temperature (Momentary)



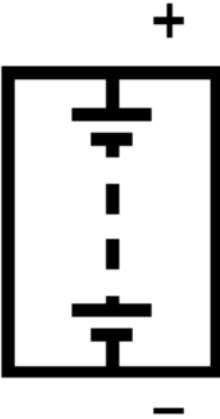
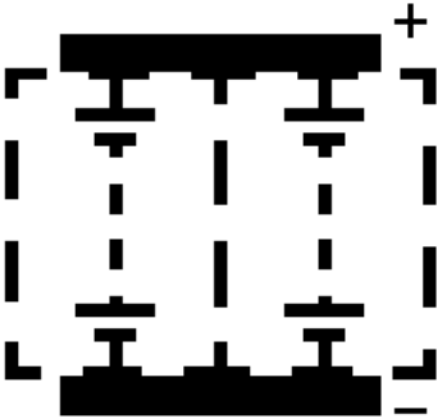
Switch Actuator - Volume (Latching)



4-Pin Single Pole/Throw Relay - Normally Open

Symbol	Description
	5-Pin Relay - Normally Closed

Devices and Sensors

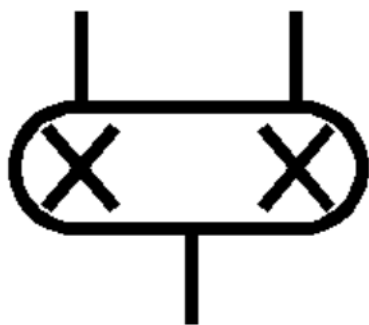
Symbol	Description
	Battery
	Battery Assembly - Hybrid

Symbol

Description



Single Filament Light Bulb



Double Filament Light Bulb



Light Emitting Diode (LED)

Symbol

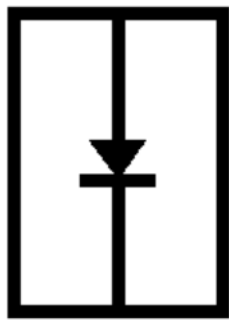
Description



Photo Sensor



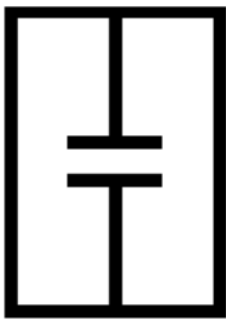
Gauge



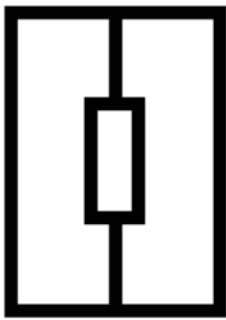
Diode

Symbol

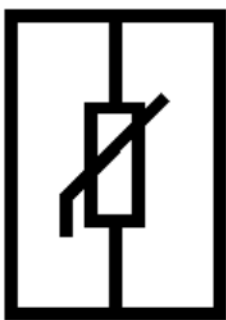
Description



Capacitor



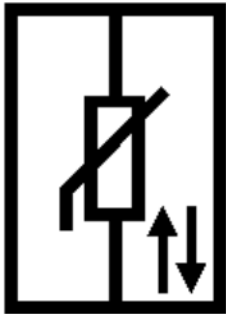
Resistor



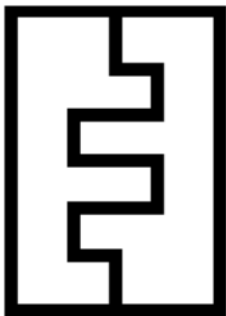
Variable Resistor

Symbol

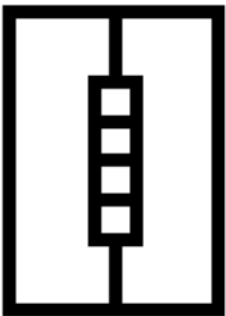
Description



Variable Resistor - NTC



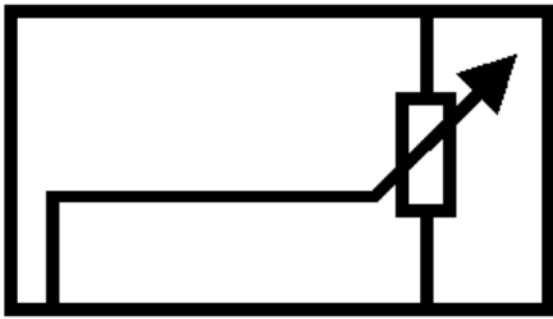
Breakable Wire



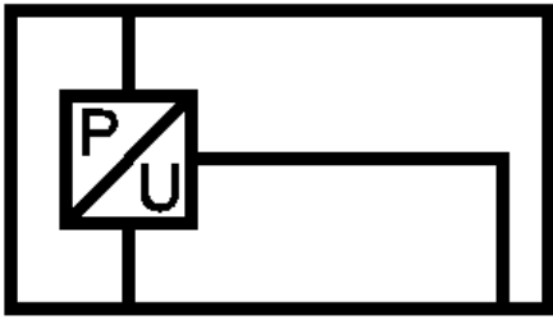
Heating Element

Symbol

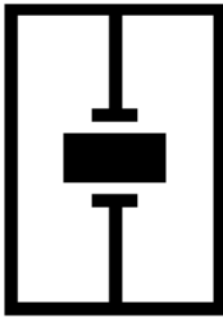
Description



Position Sensor



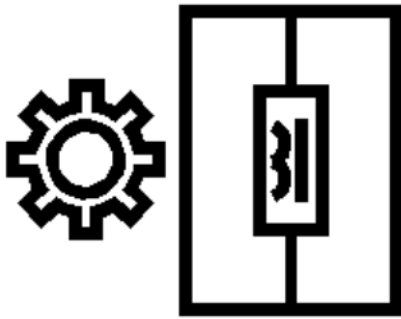
Pressure Sensor



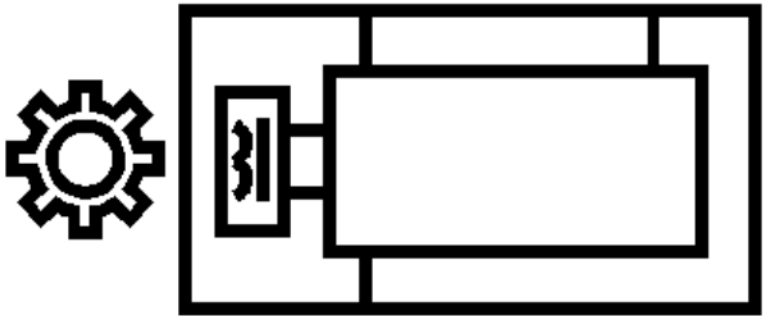
Knock Sensor

Symbol

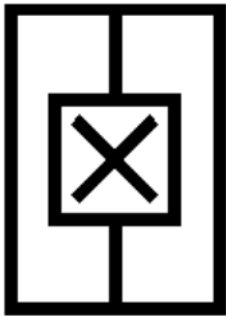
Description



Inductive Type Sensor - 2-Wire



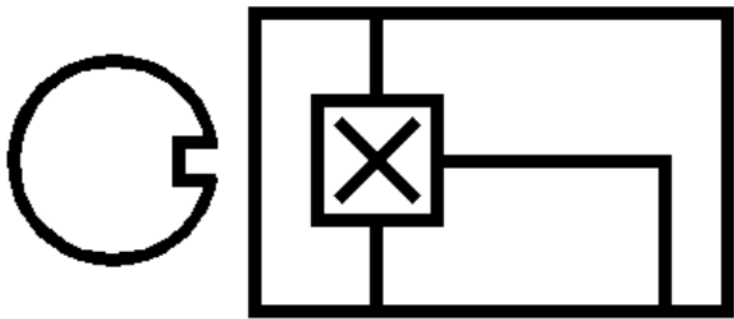
Inductive Type Sensor - 3-Wire



Hall Effect Sensor - 2-Wire

Symbol

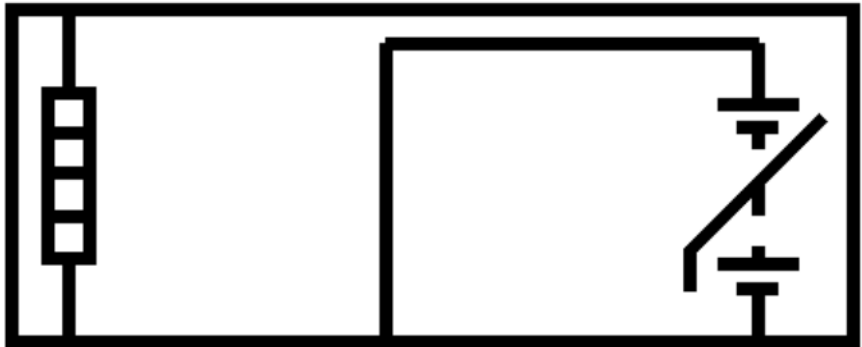
Description



Hall Effect Sensor - 3-Wire



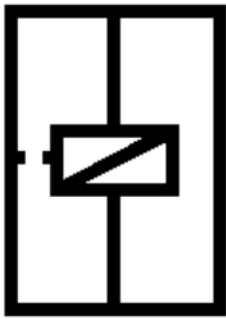
Oxygen Sensor - 2-Wire



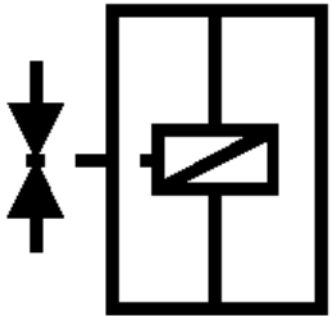
Heated Oxygen Sensor - 4-Wire

Symbol

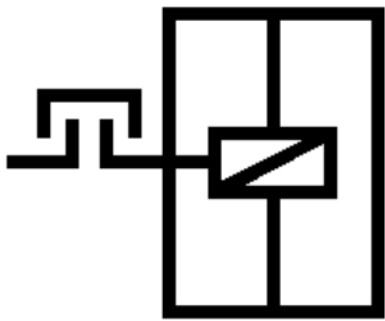
Description



Solenoid - Actuator



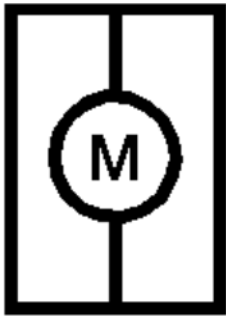
Solenoid - Valve



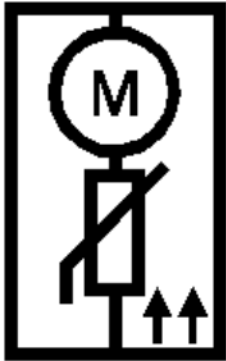
Clutch

Symbol

Description



Motor



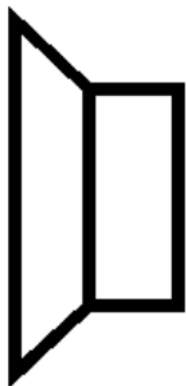
Motor with PTC



Antenna

Symbol

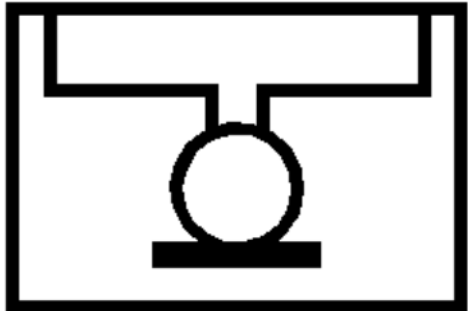
Description



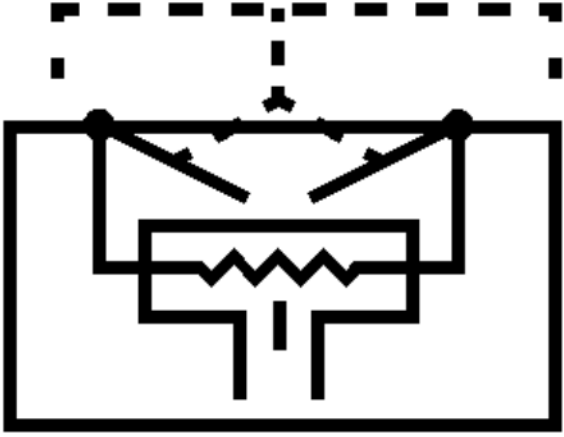
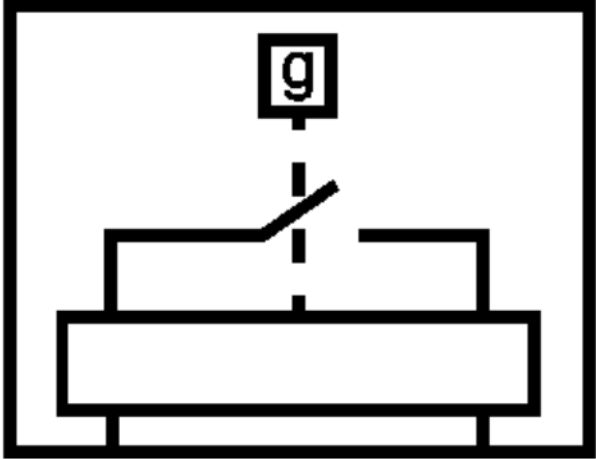
Speaker



Horn



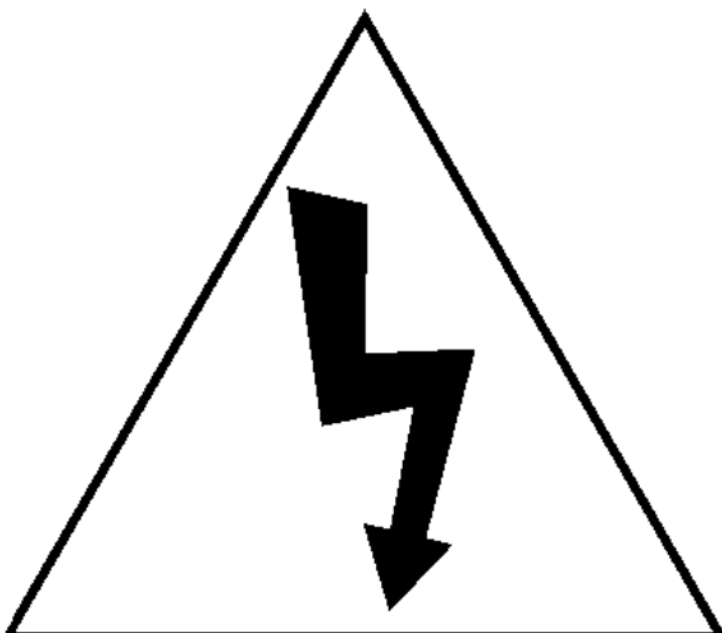
Microphone

Symbol	Description
	Airbag
	SIR Coil
	SIR Impact Sensor

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.

Icon



Icon Definition

WARNING:

When performing service on or near the SIR components or the SIR wiring, the SIR system must be disabled. Refer to SIR Disabling and Enabling. Failure to observe the correct procedure could cause deployment of the SIR components, personal injury, or unnecessary SIR system repairs.

WARNING:

When performing service on or near the pedestrian impact detection system (PIDS) components or the PIDS wiring, the PIDS must be disabled. Failure to observe the correct procedure could cause deployment of the PIDS components. Serious injury can occur. Failure to observe the correct procedure could also result in unnecessary PIDS repairs.

WARNING:

The high intensity discharge system produces high voltage and current. To reduce the risk of severe shocks and burns:

- Never open the high intensity discharge system ballast or the arc tube assembly starter.
- Never probe between the high intensity discharge system ballast output connector and the arc tube assembly.

WARNING:

To help avoid personal injury, always treat the accessory power receptacle, accessory DC/AC power inverter module, AC circuit wires, and connectors as if AC high-voltage is present.

WARNING:

Always perform the High Voltage Disabling procedure prior to servicing any High Voltage component or connection. Personal Protection Equipment (PPE) and proper procedures must be followed.

The High Voltage Disabling procedure will perform the following tasks:

- Identify how to disable high voltage.
- Identify how to test for the presence of high voltage.
- Identify condition under which high voltage is always present and personal protection equipment (PPE) and proper procedures must be followed.

Failure to follow the procedures exactly as written may result in serious injury or death.

CAUTION:

The connector at the component cannot be disconnected or removed without damage to the component. If the connector is removed, the entire component with jumper harness must be replaced.

Icon

Icon Definition



NOTE:

Twisted wires provide an effective shield that helps protect sensitive electronic components from electrical interference.

In order to prevent electrical interference from degrading the performance of the connected components, you must maintain the proper specification when making any repairs to the twisted wires shown :

- The wires must be twisted a minimum of 9 turns per 31 cm (12 in) as measured anywhere along the length of the wires.
- The outside diameter of the twisted wires must not exceed 6.0 mm (0.25 in).

POWER DISTRIBUTION SCHEMATICS

B+ Bus (1 of 2)

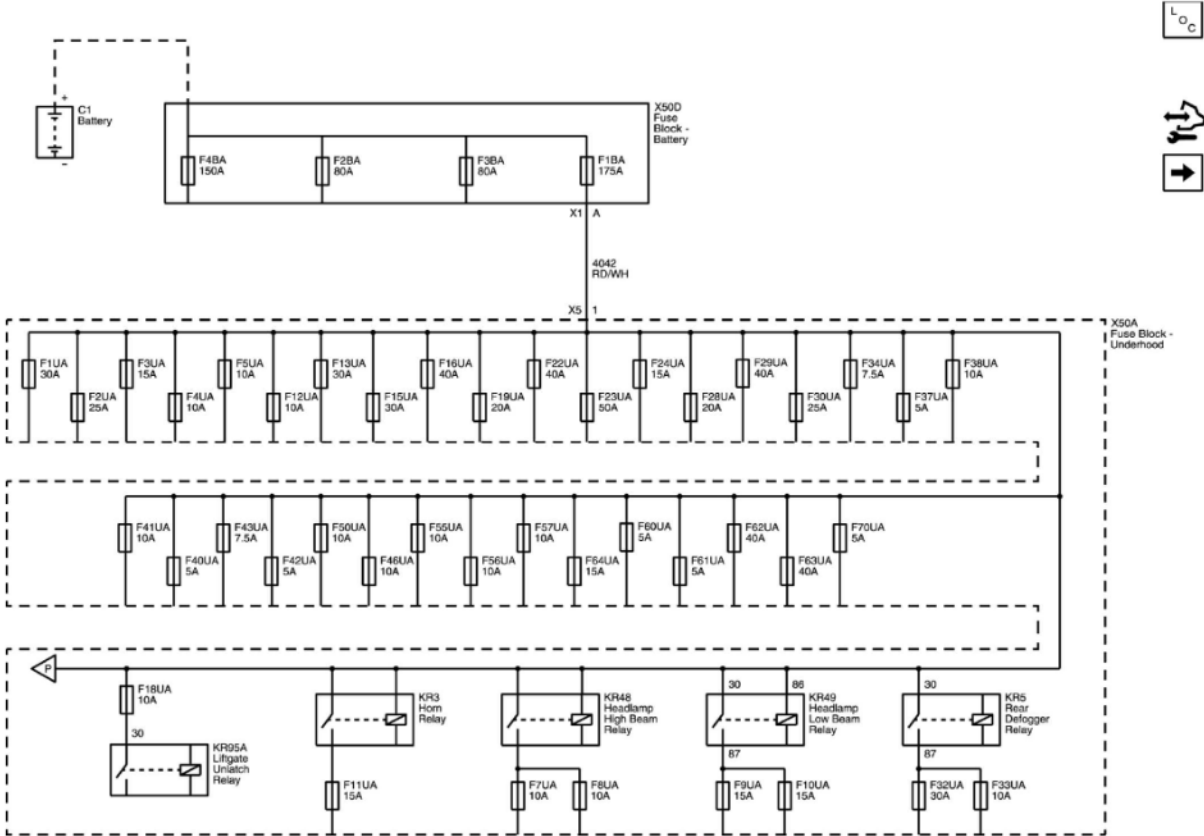


Fig. 47: B+ Bus (1 of 2)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAV_1	1
CONN_X5	X5
4042	Battery Positive Voltage
CAV_A	A
CONN_X1	X1
4042_RD/WH	4042 RD/WH
CAV_30	30
CAV_87	87
CAV_30	30
CAV_87	87
CAV_86	86
CAV_30	30
F4BA	F4BA 150A
F1BA	F1BA 175A
F11UA	F11UA 15A
F7UA	F7UA 10A
F8UA	F8UA 10A
F24UA	F24UA 15A
F22UA	F22UA 40A
F19UA	F19UA 20A
F16UA	F16UA 40A
F13UA	F13UA 30A
F5UA	F5UA 10A
F3UA	F3UA 15A
F1UA	F1UA 30A
F15UA	F15UA 30A
F12UA	F12UA 10A
F4UA	F4UA 10A
F2UA	F2UA 25A
F2BA	F2BA 80A
F3BA	F3BA 80A
F23UA	F23UA 50A
F28UA	F28UA 20A
F29UA	F29UA 40A
P_REF	P
F38UA	F38UA 10A
F34UA	F34UA 7.5A
F30UA	F30UA 25A
F37UA	F37UA 5A
F57UA	F57UA 10A
F55UA	F55UA 10A
F50UA	F50UA 10A
F43UA	F43UA 7.5A
F41UA	F41UA 10A
F46UA	F46UA 10A
F42UA	F42UA 5A
F40UA	F40UA 5A
F56UA	F56UA 10A
F58UA	F58UA 15A
F60UA	F60UA 5A
F70UA	F70UA 5A
F62UA	F62UA 40A
F61UA	F61UA 5A
F63UA	F63UA 40A

Callout	Component Name
F32UA	F32UA 30A
F33UA	F33UA 10A
F9UA	F9UA 15A
F10UA	F10UA 15A
F18UA	F18UA 10A
C1	C1 Battery
KR3	KR3 Horn Relay
KR48	KR48 Headlamp High Beam Relay
X50D	X50D Fuse Block - Battery
KR5	KR5 Rear Defogger Relay
KR49	KR49 Headlamp Low Beam Relay
KR95A	KR95A Liftgate Unlatch Relay
X50A	X50A Fuse Block - Underhood

B+ Bus (2 of 2)

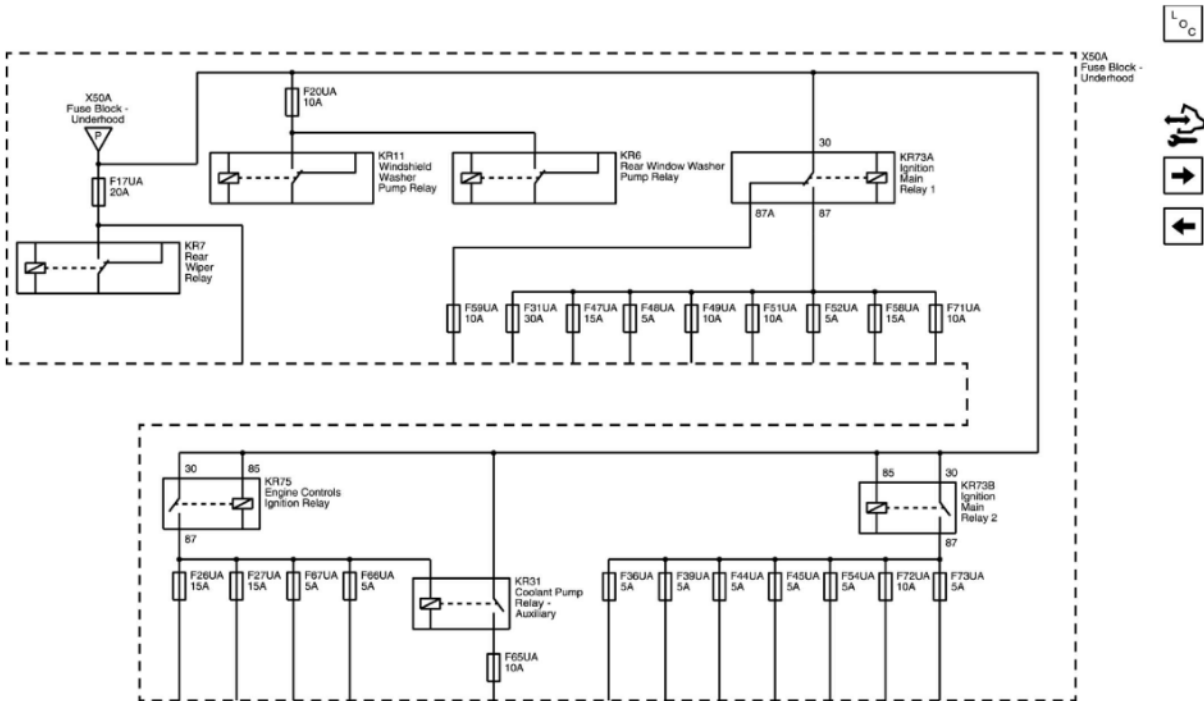
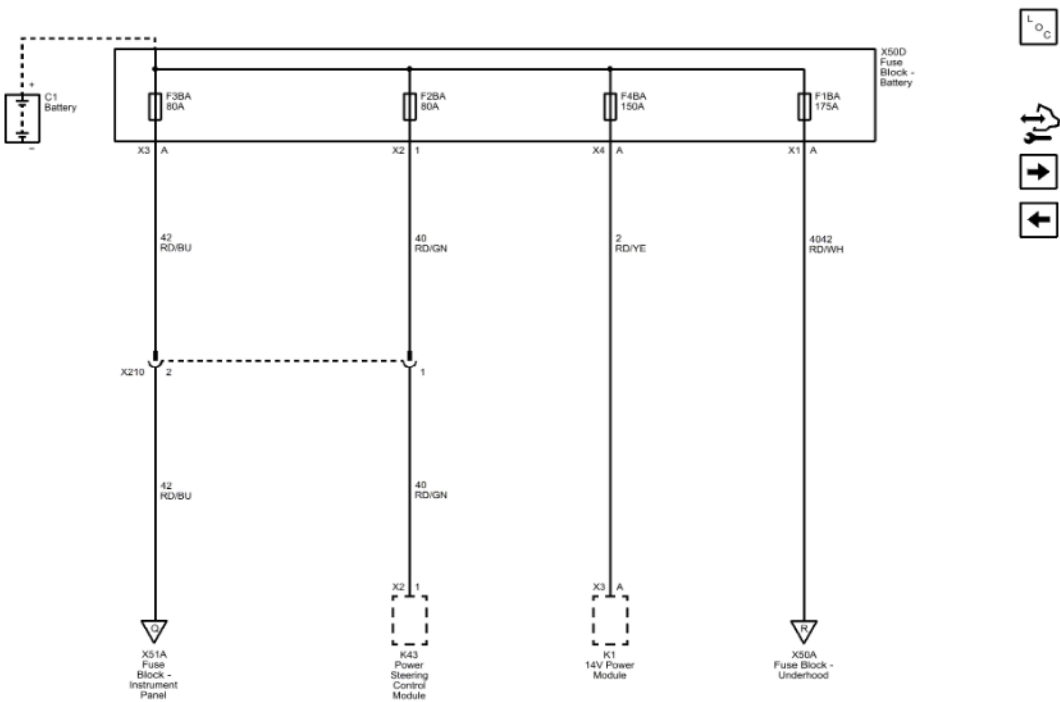


Fig.48: B+ Bus (2 of 2)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAV_87A	87A
CAV_30	30
CAV_87	87
CAV_30	30
CAV_87	87
CAV_85	85
CAV_87	87
CAV_85	85
CAV_30	30
F17UA	F17UA 20A
F20UA	F20UA 10A
F48UA	F48UA 5A
F49UA	F49UA 10A
F51UA	F51UA 10A
F52UA	F52UA 5A
F64UA	F64UA 15A
F71UA	F71UA 10A
F36UA	F36UA 5A
F39UA	F39UA 5A
F44UA	F44UA 5A
F45UA	F45UA 5A
F72UA	F72UA 10A
F54UA	F54UA 5A
P_REF	P
F47UA	F47UA 15A
F31UA	F31UA 30A
F59UA	F59UA 10A
F73UA	F73UA 5A
F65UA	F65UA 10A
F26UA	F26UA 15A
F67UA	F67UA 5A
F27UA	F27UA 15A
F66UA	F66UA 5A
X50A	X50A Fuse Block - Underhood
X50A	X50A Fuse Block - Underhood
KR6	KR6 Rear Window Washer Pump Relay
KR73B	KR73B Ignition Main Relay 2
KR7	KR7 Rear Wiper Relay
KR11	KR11 Windshield Washer Pump Relay
KR73A	KR73A Ignition Main Relay 1
KR31	KR31 Coolant Pump Relay - Auxiliary
KR75	KR75 Engine Controls Ignition Relay

F1BA, F2BA, F3BA, and F4BA Fuses



10/23/2019
Fig. 49: F1BA, F2BA, F3BA, and F4BA Fuses
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
42	Battery Positive Voltage
42_RD/BU	42 RD/BU
40	Battery Positive Voltage
CAV_1	1
CONN_X2	X2
2_RD/YE	2 RD/YE
CAV_A	A
CONN_X3	X3
CAV_A	A
CONN_X2	X2
CAV_A	A
CONN_X4	X4
CAV_A	A
CONN_X1	X1
40_RD/GN	40 RD/GN
40_RD/GN	40 RD/GN
4042_RD/WH	4042 RD/WH
4042	Battery Positive Voltage
2	Battery Positive Voltage
42_RD/BU	42 RD/BU
CAV_A	A
CONN_X3	X3
X210	X210
CAV_2	2
CAV_1	1
F3BA	F3BA 80A
F2BA	F2BA 80A
F4BA	F4BA 150A
F1BA	F1BA 175A
Q_REF	Q
R_REF	R
X210	X210
K43	K43 Power Steering Control Module
X51A	X51A Fuse Block - Instrument Panel
X50A	X50A Fuse Block - Underhood
X50D	X50D Fuse Block - Battery
C1	C1 Battery
K1	K1 14V Power Module

F1UA, F2UA, F3UA, F4UA, F5UA, F12UA, F13UA, F15UA, F16UA, F19UA, F22UA and F23UA Fuses

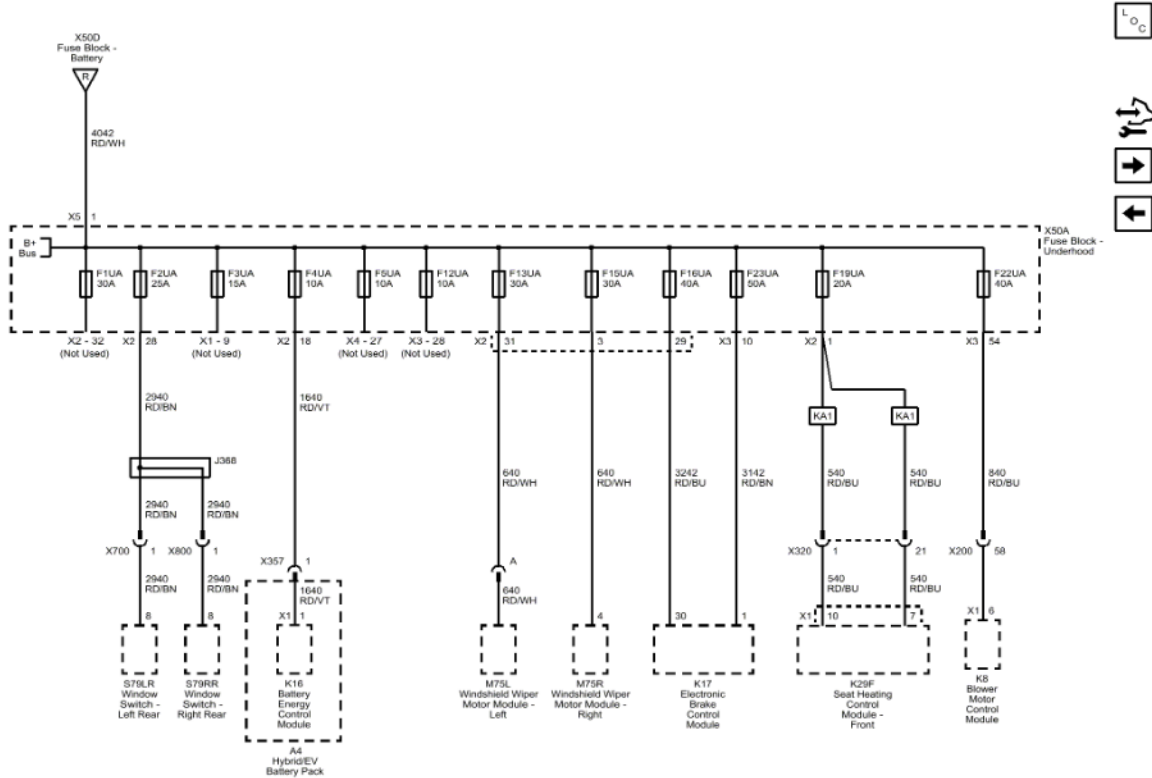


Fig. 50: F1UA, F2UA, F3UA, F4UA, F5UA, F12UA, F13UA, F15UA, F16UA, F19UA, F22UA and F23UA Fuses
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
4042	Battery Positive Voltage
4042_RD/WH	4042 RD/WH
CAV_1	1
CONN_X5	X5
2940	Battery Positive Voltage
2940_RD/BN	2940 RD/BN
CAV_28	28
CONN_X2	X2
1640	Battery Positive Voltage
CAV_18	18
640	Battery Positive Voltage
640_RD/WH	640 RD/WH
CAV_4	4
840	Battery Positive Voltage
840_RD/BU	840 RD/BU
CAV_6	6
CONN_X1	X1
3242	Battery Positive Voltage
3242_RD/BU	3242 RD/BU
CAV_30	30
3142	Battery Positive Voltage
3142_RD/BN	3142 RD/BN
CAV_1	1
2940	Battery Positive Voltage
CAV_1	1
CAV_1	1
2940_RD/BN	2940 RD/BN
2940_RD/BN	2940 RD/BN
2940_RD/BN	2940 RD/BN
2940_RD/BN	2940 RD/BN
CONN_X2	X2
CAV_1	1
CONN_X1	X1

Callout	Component Name
1640_RD/VT	1640 RD/VT
CAV_31	31
CONN_X2	X2
CAV_3	3
640_RD/WH	640 RD/WH
CAV_A	A
640_RD/WH	640 RD/WH
CAV_29	29
CAV_10	10
CONN_X3	X3
540	Battery Positive Voltage
540_RD/BU	540 RD/BU
540_RD/BU	540 RD/BU
CAV_7	7
CAV_10	10
CONN_X1	X1
CAV_1	1
CONN_X2	X2
1040	Battery Positive Voltage
KA1	HEATER SEAT FRT-DRVR and PASS
KA1	HEATER SEAT FRT-DRVR and PASS
540_RD/BU	540 RD/BU
540_RD/BU	540 RD/BU
CAV_58	58
CAV_54	54
CONN_X3	X3
1640_RD/VT	1640 RD/VT
CAV_1	1
CAV_8	8
CAV_8	8
X320	X320
CAV_1	1
CAV_21	21
F1UA	F1UA 30A
F2UA	F2UA 25A
F3UA	F3UA 15A
F4UA	F4UA 10A
F5UA	F5UA 10A
F12UA	F12UA 10A
F15UA	F15UA 30A
F16UA	F16UA 40A
F23UA	F23UA 50A
F13UA	F13UA 30A
F22UA	F22UA 40A
R_REF	R
J368	J368
X700	X700
X800	X800
F19UA	F19UA 20A
X200	X200
X357	X357
X320	X320
X50D	X50D Fuse Block - Battery
X50A	X50A Fuse Block - Underhood
S79LR	S79LR Window Switch - Left Rear
S79RR	S79RR Window Switch - Right Rear
K16	K16 Battery Energy Control Module
A4	A4 Hybrid/EV Battery Pack
M75L	M75L Windshield Wiper Motor Module - Left
M75R	M75R Windshield Wiper Motor Module - Right
K17	K17 Electronic Brake Control Module
K29F	K29F Seat Heating Control Module - Front (KA1)
K8	K8 Blower Motor Control Module

F7UA, F8UA, F9UA, F10UA, F11UA, F32UA, and F33UA Fuses

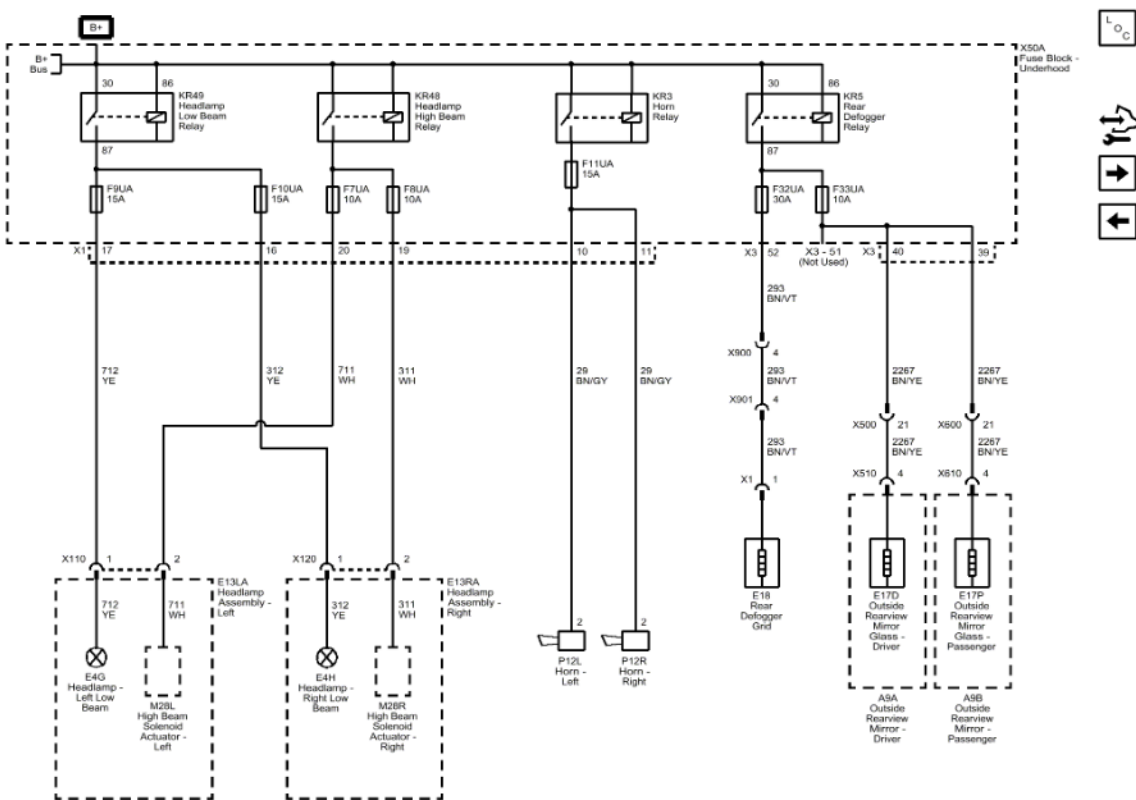


Fig. 51: F7UA, F8UA, F9UA, F10UA, F11UA, F32UA, and F33UA Fuses
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
712	Left Headlamp Low Beam Control
CAV_17	17
CONN_X1	X1
312	Right Headlamp Low Beam Control
312_YE	312 YE
CAV_16	16
711	Left Headlamp High Beam Control
CAV_20	20
712_YE	712 YE
711_WH	711 WH
311	Right Headlamp High Beam Control

Callout	Component Name
311_WH	311 WH
CAV_19	19
CAV_30	30
CAV_86	86
CAV_87	87
712_YE	712 YE
312_YE	312 YE
311_WH	311 WH
711_WH	711 WH
29	Horn Control
CAV_10	10
29_BN/GY	29 BN/GY
2267	Mirror Heating Element Control
2267_BN/YE	2267 BN/YE
2267_BN/YE	2267 BN/YE
2267_BN/YE	2267 BN/YE
2267_BN/YE	2267 BN/YE
CAV_21	21
CAV_21	21
CAV_2	2
CAV_11	11
29_BN/GY	29 BN/GY
CAV_2	2
CAV_39	39
CAV_40	40
293	Rear Defog Element Control
293_BN/VT	293 BN/VT
CAV_4	4
CAV_4	4
293_BN/VT	293 BN/VT
CAV_52	52
CONN_X3	X3
CONN_X3	X3
CAV_87	87
CAV_30	30
CAV_86	86
293_BN/VT	293 BN/VT
CAV_4	4
CAV_4	4
CAV_1	1
X110	X110
CAV_1	1
CAV_2	2
X120	X120
CAV_1	1
CAV_2	2
F9UA	F9UA 15A
F10UA	F10UA 15A
F7UA	F7UA 10A
F8UA	F8UA 10A
F11UA	F11UA 15A
X500	X500
X600	X600
F32UA	F32UA 30A
F33UA	F33UA 10A
X901	X901
X900	X900
X510	X510
X610	X610
X1	X1
X110	X110
X120	X120
E13LA	E13LA Headlamp Assembly - Left
E13RA	E13RA Headlamp Assembly - Right
M28R	M28R High Beam Solenoid Actuator - Right
M28L	M28L High Beam Solenoid Actuator - Left
X50A	X50A Fuse Block - Underhood
KR49	KR49 Headlamp Low Beam Relay
KR48	KR48 Headlamp High Beam Relay
E4G	E4G Headlamp - Left Low Beam
E4H	E4H Headlamp - Right Low Beam
KR3	KR3 Horn Relay
E17P	E17P Outside Rearview Mirror Glass - Passenger
E17D	E17D Outside Rearview Mirror Glass - Driver
P12R	P12R Horn - Right
P12L	P12L Horn - Left
KR5	KR5 Rear Defogger Relay
A9A	A9A Outside Rearview Mirror - Driver
A9B	A9B Outside Rearview Mirror - Passenger
E18	E18 Rear Defogger Grid

F17UA, F18UA, and F20UA Fuses

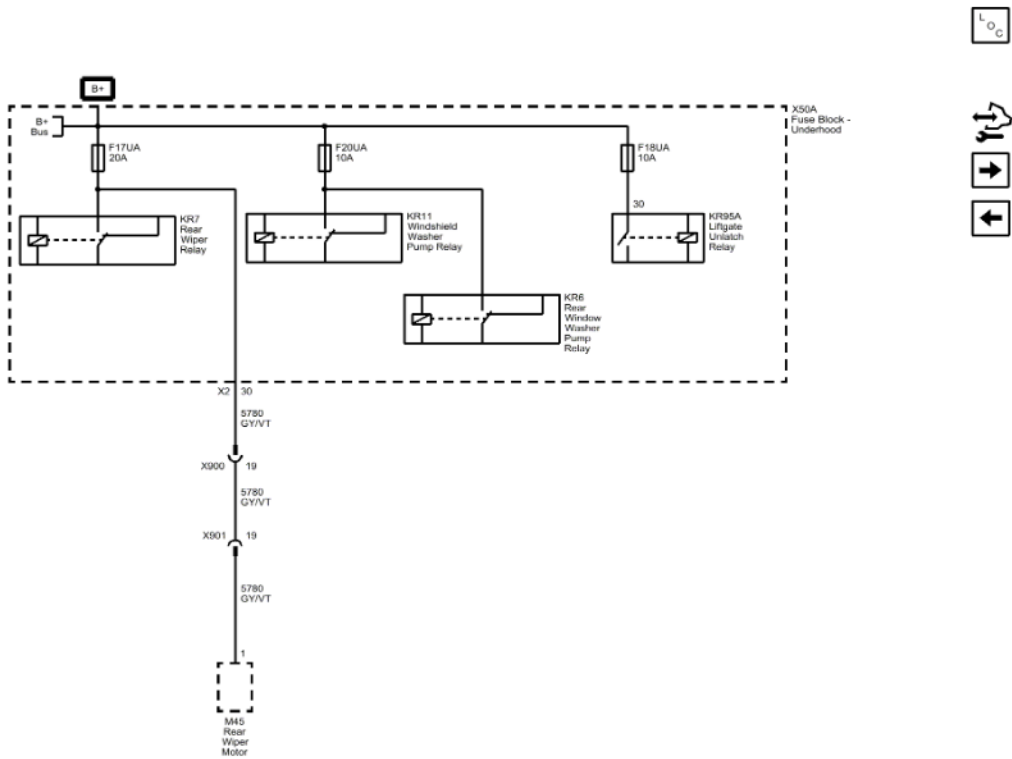


Fig. 52: F17UA, F18UA, and F20UA Fuses
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
5780	Windshield Wiper Motor Park Switch Fused Signal
5780_GY/VT	5780 GY/VT
CAV_1	1
5780_GY/VT	5780 GY/VT
CAV_19	19
CAV_30	30
CAV_30	30
CONN_X2	X2
CAV_19	19
5780_GY/VT	5780 GY/VT
F17UA	F17UA 20A
F20UA	F20UA 10A
X900	X900
F18UA	F18UA 10A
X901	X901
KR7	KR7 Rear Wiper Relay
KR11	KR11 Windshield Washer Pump Relay
KR6	KR6 Rear Window Washer Pump Relay
M45	M45 Rear Wiper Motor
KR95A	KR95A Liftgate Unlatch Relay
X50A	X50A Fuse Block - Underhood

F24UA, F28UA, F29UA, F30UA, F34UA, F38UA, F40UA, F41UA, F42UA, F43UA, F50UA, and F56UA Fuses

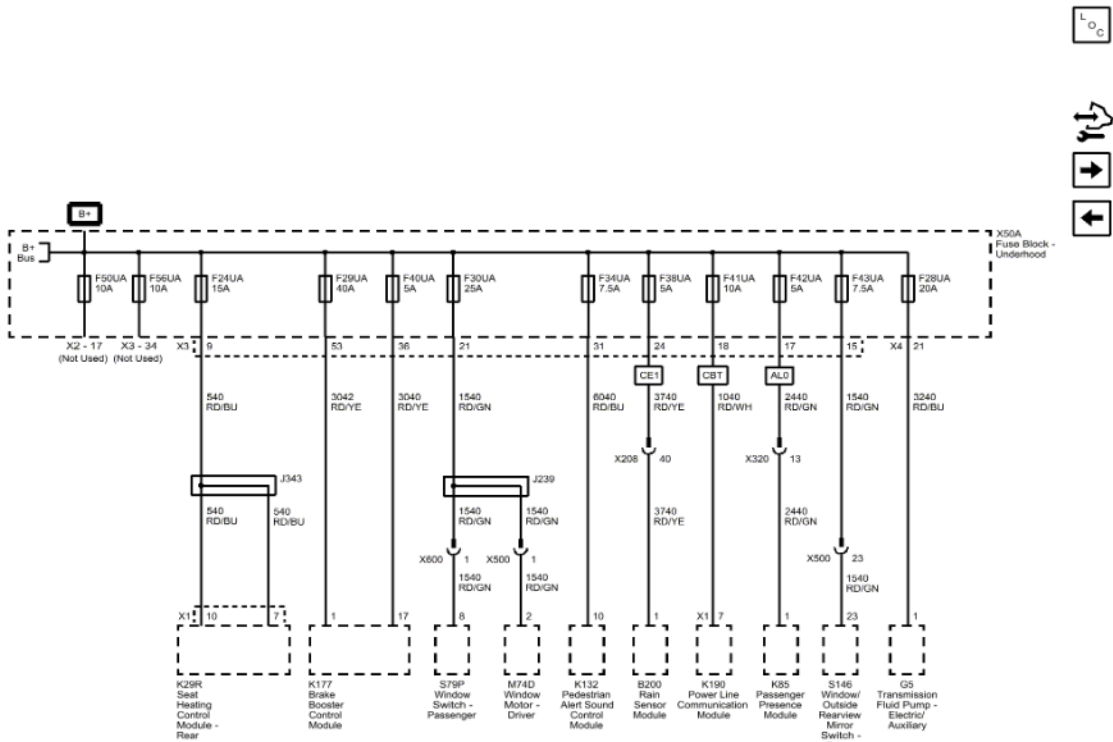


Fig. 53: F24UA, F28UA, F29UA, F30UA, F34UA, F38UA, F40UA, F41UA, F42UA, F43UA, F50UA, and F56UA Fuses
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1540	Battery Positive Voltage
1540_RD/GN	1540 RD/GN
CAV_8	8
CAV_2	2
6040	Battery Positive Voltage
6040_RD/BU	6040 RD/BU
CAV_10	10
CAV_31	31
CAV_21	21
1040	Battery Positive Voltage
1040_RD/WH	1040 RD/WH
CAV_7	7
CAV_18	18
3042	Battery Positive Voltage
3042_RD/YE	3042 RD/YE
CAV_1	1
CAV_53	53
3040	Battery Positive Voltage
3040_RD/YE	3040 RD/YE
CAV_17	17
CAV_36	36
540	Battery Positive Voltage
540_RD/BU	540 RD/BU
CAV_10	10
CONN_X1	X1
540_RD/BU	540 RD/BU
CAV_7	7
CAV_9	9

Callout	Component Name
CONN_X3	X3
CAV_1	1
CAV_1	1
1540_RD/GN	1540 RD/GN
1540_RD/GN	1540 RD/GN
1540_RD/GN	1540 RD/GN
1540_RD/GN	1540 RD/GN
540_RD/BU	540 RD/BU
3740	Battery Positive Voltage
3740_RD/YE	3740 RD/YE
CAV_1	1
CAV_24	24
CE1	WIPER SYS WINDSHIELD-PULSE, MOISTURE SENSITIVE
CAV_40	40
3740_RD/YE	3740 RD/YE
CBT	PROVISIONS-FAST CHARGING ACCOMMODATIONS
2440	Battery Positive Voltage
2440_RD/GN	2440 RD/GN
CAV_1	1
CAV_17	17
CAV_13	13
2440_RD/GN	2440 RD/GN
AL0	SENSOR INDICATOR-INFLATABLE RESTRAINT, FRT PASS/CHILD PRESENCE DETECTOR
1540_RD/GN	1540 RD/GN
CAV_23	23
CAV_15	15
3240	Battery Positive Voltage
3240_RD/BU	3240 RD/BU
CAV_1	1
CAV_21	21
CONN_X4	X4
CONN_X3	X3
CAV_23	23
1540_RD/GN	1540 RD/GN
CONN_X1	X1
F50UA	F50UA 10A
F56UA	F56UA 10A
F24UA	F24UA 15A
F29UA	F29UA 40A
F30UA	F30UA 25A
F40UA	F40UA 5A
F34UA	F34UA 7.5A
F41UA	F41UA 10A
X600	X600
X500	X500
J343	J343
J239	J239
F38UA	F38UA 5A
X208	X208
F42UA	F42UA 5A
X320	X320
F43UA	F43UA 7.5A
F28UA	F28UA 20A
X500	X500
X50A	X50A Fuse Block - Underhood
S79P	S79P Window Switch - Passenger
M74D	M74D Window Motor - Driver
K132	K132 Pedestrian Alert Sound Control Module
B200	B200 Rain Sensor Module (CE1)
K85	K85 Passenger Presence Module
G5	G5 Transmission Fluid Pump - Electric/Auxiliary
K29R	K29R Seat Heating Control Module - Rear (KA6)
K177	K177 Brake Booster Control Module
K190	K190 Power Line CommunicationModule
S146	S146 Window/Outside Rearview Mirror Switch - Driver

F26UA, F27UA, F36UA, F38UA, F39UA, F44UA, F45UA, F54UA, F65UA, F66UA, F67UA, F70UA, F72UA and F73UA

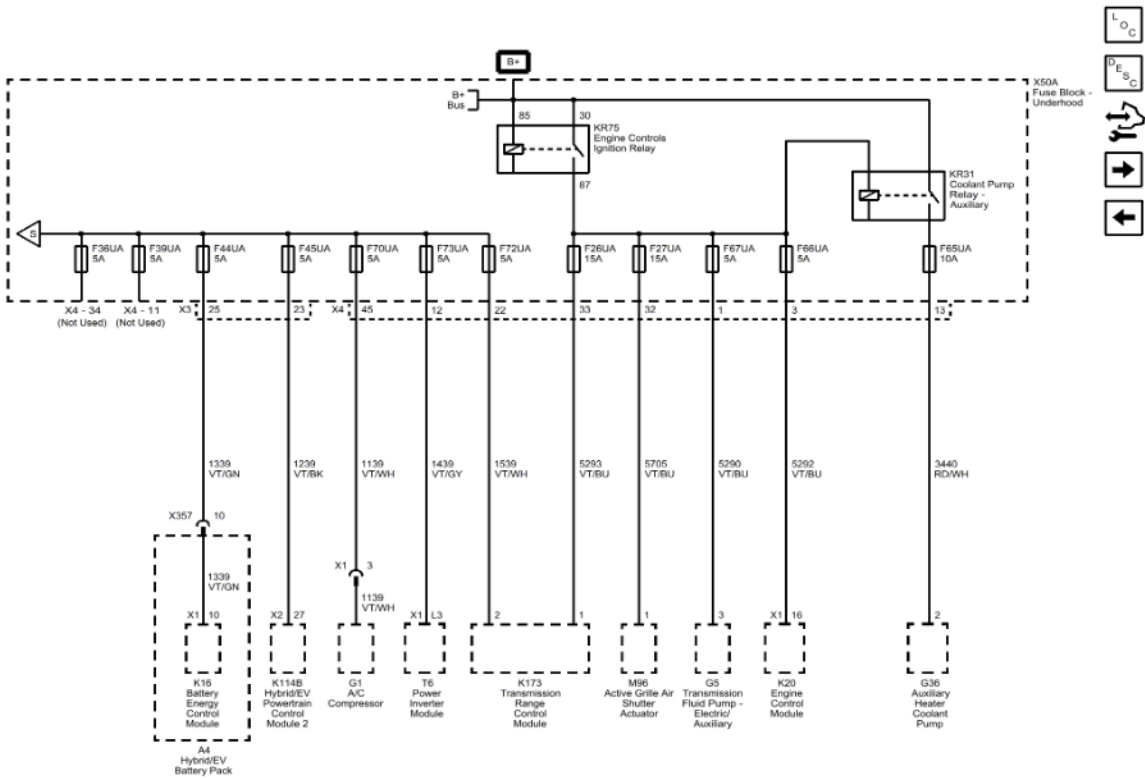


Fig. 54: F26UA, F27UA, F36UA, F38UA, F39UA, F44UA, F45UA, F54UA, F65UA, F66UA, F67UA, F70UA, F72UA and F73UA
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1439	Run/Crank Ignition 1 Voltage
1239	Run/Crank Ignition 1 Voltage
CAV_27	27
CONN_X2	X2
1339	Run/Crank Ignition 1 Voltage
1539	Run/Crank Ignition 1 Voltage
CAV_2	2
CAV_23	23
CAV_25	25

Callout	Component Name
1239_VT/BK	1239 VT/BK
1339_VT/GN	1339 VT/GN
CAV_22	22
1539_VT/WH	1539 VT/WH
CAV_12	12
CAV_L3	L3
CONN_X1	X1
1439_VT/GY	1439 VT/GY
CAV_10	10
CONN_X1	X1
CAV_10	10
1339_VT/GN	1339 VT/GN
CONN_X3	X3
1139	Run/Crank Ignition 1 Voltage
CAV_45	45
1139_VT/WH	1139 VT/WH
1139_VT/WH	1139 VT/WH
CAV_30	30
CAV_87	87
CAV_85	85
5292	Powertrain Main Relay Fused Supply 3
5293	Powertrain Main Relay Fused Supply 4
5290	Powertrain Main Relay Fused Supply 1
CAV_3	3
CONN_X3	X3
CAV_33	33
5293_VT/BU	5293 VT/BU
CAV_1	1
5290_VT/BU	5290 VT/BU
CAV_3	3
CAV_16	16
CONN_X1	X1
5292_VT/BU	5292 VT/BU
5705	Powertrain Main Relay Fused Control 6
CAV_32	32
5705_VT/BU	5705 VT/BU
3440	Battery Positive Voltage
CAV_13	13
CAV_2	2
3440_RD/WH	3440 RD/WH
CAV_1	1
CAV_1	1
CONN_X4	X4
CAV_3	3
F36UA	F36UA 5A
F39UA	F39UA 5A
F45UA	F45UA 5A
F44UA	F44UA 5A
F73UA	F73UA 5A
F72UA	F72UA 5A
S_REF	S
X357	X357
F70UA	F70UA 5A
F26UA	F26UA 15A
F66UA	F66UA 5A
F67UA	F67UA 5A
F27UA	F27UA 15A
F65UA	F65UA 10A
X1	X1
K114B	K114B Hybrid/EV Powertrain Control Module 2
K16	K16 Battery Energy Control Module
A4	A4 Hybrid/EV Battery Pack
G1	G1 A/C Compressor
T6	T6 Power Inverter Module
KR75	KR75 Engine Controls Ignition Relay
KR31	KR31 Coolant Pump Relay - Auxiliary
X50A	X50A Fuse Block - Underhood
M96	M96 Active Grille Air Shutter Actuator
G36	G36 Auxiliary Heater Coolant Pump
K20	K20 Engine Control Module
G5	G5 Transmission Fluid Pump - Electric/Auxiliary
K173	K173 Transmission Range Control Module

F31UA, F47UA, F48UA, F49UA, F51UA, F52UA, F59UA, F64UA, and F71UA Fuses

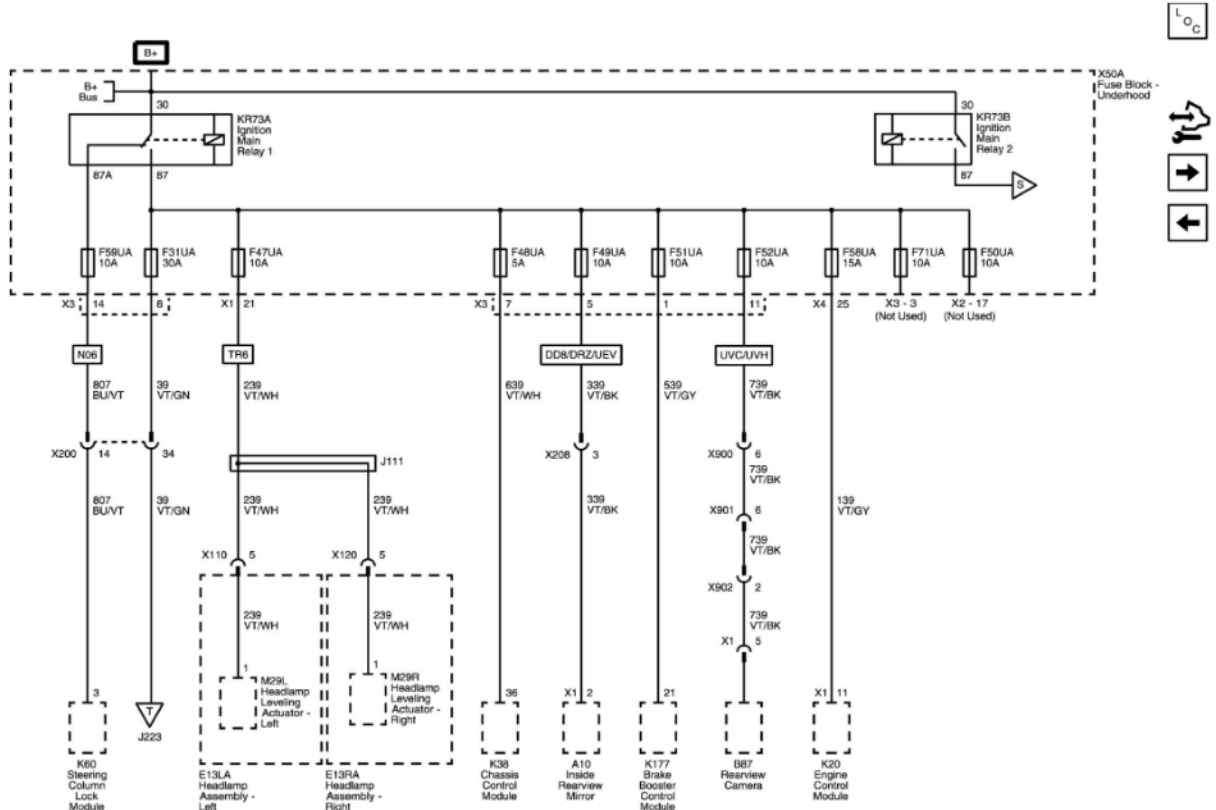


Fig. 55: F31UA, F47UA, F48UA, F49UA, F51UA, F52UA, F59UA, F64UA, and F71UA Fuses
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
339	Run/Crank Ignition 1 Voltage
639	Run/Crank Ignition 1 Voltage
739	Run/Crank Ignition 1 Voltage
639_VT/WH	639 VT/WH

Callout	Component Name
339_VT/BK	339 VT/BK
739_VT/BK	739 VT/BK
739_VT/BK	739 VT/BK
CAV_87A	87A
CAV_30	30
CAV_87	87
39	Run/Crank Ignition 1 Voltage
39_VT/GN	39 VT/GN
CAV_8	8
39_VT/GN	39 VT/GN
CAV_30	30
CAV_87	87
539	Run/Crank Ignition 1 Voltage
539_VT/GY	539 VT/GY
21	Roof Clearance Lamp Switch Signal
239_VT/WH	239 VT/WH
239_VT/WH	239 VT/WH
CAV_1	1
239_VT/WH	239 VT/WH
CAV_5	5
CAV_5	5
CAV_1	1
TR6	CONTROL, HEADLAMPS-LEVELING SYSTEM, MANUAL
239_VT/WH	239 VT/WH
239_VT/WH	239 VT/WH
CAV_21	21
CONN_X1	X1
CAV_36	36
CAV_7	7
CONN_X3	X3
DD8	MIRROR I/S R/V-LT SENSITIVE
DRZ	MIRROR I/S R/V-LT SENSITIVE, FULL VIDEO DISPLAY
UEV	COMMUNICATION EQUIP-AUTOMATIC TOLL COLLECTION
CAV_5	5
CAV_3	3
339_VT/BK	339 VT/BK
CAV_1	1
CAV_21	21
UVC	VISION-REAR VIEW, MONO, ANALOG
UVH	VISION-360 VIEW, MONO, ANALOG
CAV_6	6
CAV_6	6
CAV_2	2
739_VT/BK	739 VT/BK
739_VT/BK	739 VT/BK
CAV_11	11
139	Run/Crank Ignition 1 Voltage
139_VT/GY	139 VT/GY
CAV_25	25
CONN_X4	X4
CAV_11	11
CONN_X1	X1
807	OFF /Accessory Ignition Voltage
807_BU/VT	807 BU/VT
CAV_14	14
CONN_X3	X3
807_BU/VT	807 BU/VT
CAV_3	3
N06	STEERING COLUMN LOCK-ELECTRICAL
CAV_2	2
CONN_X1	X1
CAV_5	5
X200	X200
CAV_14	14
CAV_34	34
F59UA	F59UA 10A
F48UA	F48UA 5A
F52UA	F52UA 10A
F49UA	F49UA 10A
F71UA	F71UA 10A
S_REF	S
F31UA	F31UA 30A
F47UA	F47UA 10A
J111	J111
X110	X110
X120	X120
X208	X208
F51UA	F51UA 10A
X900	X900
X901	X901
X902	X902
F64UA	F64UA 15A
X1	X1
X200	X200
X50A	X50A Fuse Block - Underhood
KR73A	KR73A Ignition Main Relay 1
KR73B	KR73B Ignition Main Relay 2
M29L	M29L Headlamp Leveling Actuator - Left (TR6)
E13LA	E13LA Headlamp Assembly - Left
M29R	M29R Headlamp Leveling Actuator - Right (TR6)
E13RA	E13RA Headlamp Assembly - Right
K38	K38 Chassis Control Module
A10	A10 Inside Rearview Mirror
K177	K177 Brake Booster Control Module
B87	B87 Rearview Camera
K20	K20 Engine Control Module
K60	K60 Steering Column Lock Module (N06)

F35UA, F46UA, F54UA, F55UA, F57UA, F58UA, F60UA, F62UA and F63UA

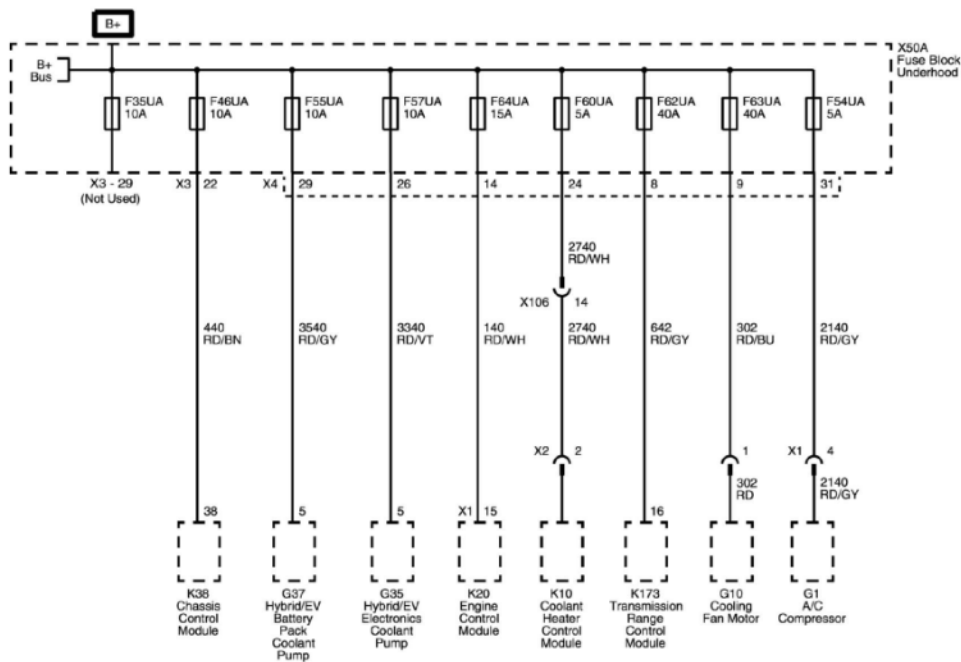


Fig. 56: F35UA, F46UA, F54UA, F55UA, F57UA, F58UA, F60UA, F62UA and F63UA
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
440	Battery Positive Voltage
440_RD/BN	440 RD/BN
CAV_38	38
2140	Battery Positive Voltage
2140_RD/GY	2140 RD/GY
CAV_31	31
CAV_22	22
CONN_X3	X3
3540	Battery Positive Voltage
3540_RD/GY	3540 RD/GY
CAV_5	5
CAV_29	29
CONN_X4	X4
3340	Battery Positive Voltage
3340_RD/VT	3340 RD/VT
CAV_5	5
CAV_26	26
140	Battery Positive Voltage
140_RD/WH	140 RD/WH
CAV_15	15
CAV_14	14
CONN_X1	X1
2740	Battery Positive Voltage
2740_RD/WH	2740 RD/WH
CAV_24	24
CAV_14	14
2740_RD/WH	2740 RD/WH
642	Battery Positive Voltage
642_RD/GY	642 RD/GY
CAV_16	16
CAV_8	8
302	Battery Positive Voltage
302_RD/BU	302 RD/BU
CAV_9	9
CAV_1	1
302_RD	302 RD
2140_RD/GY	2140 RD/GY
CAV_4	4
CAV_2	2
F35UA	F35UA 10A
F46UA	F46UA 10A
F54UA	F54UA 5A
F55UA	F55UA 10A
F57UA	F57UA 10A
F58UA	F58UA 15A
F60UA	F60UA 5A
X106	X106
F62UA	F62UA 40A
F63UA	F63UA 40A
X1	X1
X2	X2
K38	K38 Chassis Control Module
G37	G37 Hybrid/EV Battery Pack Coolant Pump
G35	G35 Hybrid/EV Electronics Coolant Pump
K20	K20 Engine Control Module
K10	K10 Coolant Heater Control Module
K173	K173 Transmission Range Control Module
G10	G10 Cooling Fan Motor
G1	G1 A/C Compressor
X50A	X50A Fuse Block - Underhood

F1DA, F2DA, F3DA, F4DA, F5DA, F16DA, F44DA, F45DA, F46DA, F47DA, F48DA, F49DA, F50DA, F55DA, and F56DA Fuses

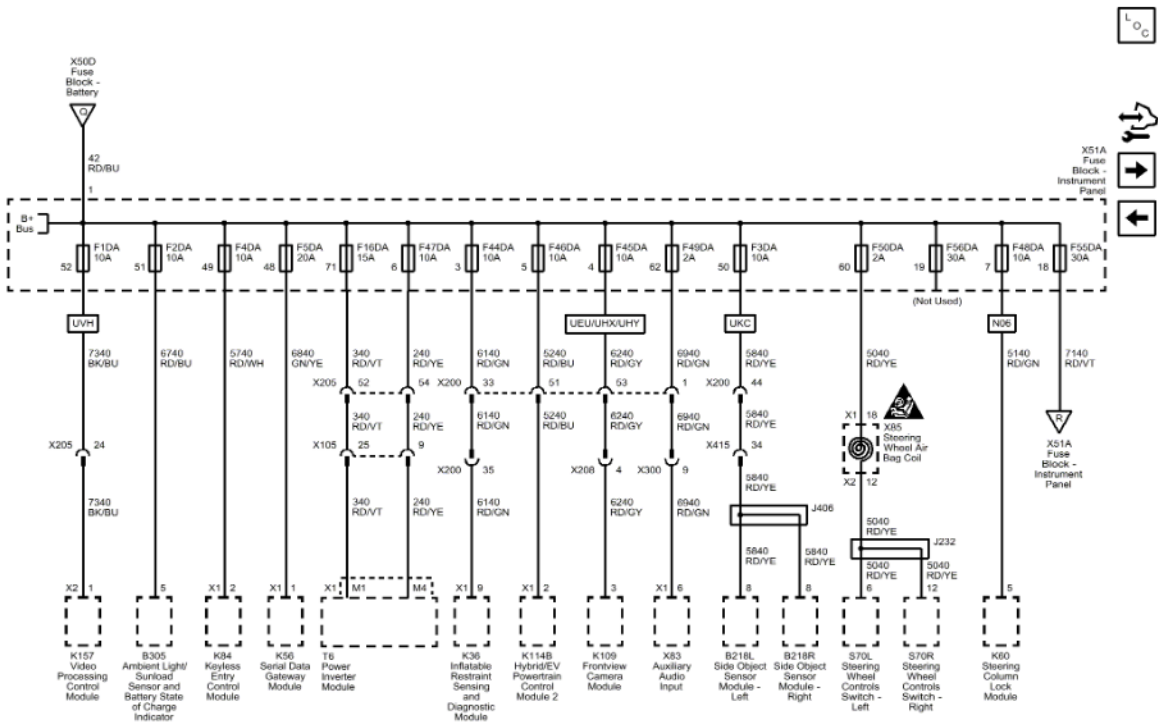


Fig. 57: F1DA, F2DA, F3DA, F4DA, F5DA, F16DA, F44DA, F45DA, F46DA, F47DA, F48DA, F49DA, F50DA, F55DA, and F56DA Fuses
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
6740	Battery Positive Voltage
6740_RD/BU	6740 RD/BU
7340	Camshaft W 2 Low Reference
7340_BK/BU	7340 BK/BU
5840	Battery Positive Voltage
5840_RD/YE	5840 RD/YE
6840	Auxiliary Device 2 Switched Voltage
6840_GN/YE	6840 GN/YE
5740	Battery Positive Voltage
5740_RD/WH	5740 RD/WH
6140	Battery Positive Voltage
6140_RD/GN	6140 RD/GN
6940	Battery Positive Voltage
6940_RD/GN	6940 RD/GN
CAV_51	51
CAV_52	52
CAV_50	50
CAV_48	48
CAV_71	71
CAV_6	6
CAV_49	49
CAV_3	3
CAV_5	5
CAV_4	4
CAV_62	62
340	Battery Positive Voltage
240	Battery Positive Voltage
5240	Battery Positive Voltage
5240_RD/BU	5240 RD/BU
6240	Battery Positive Voltage
6240_RD/GY	6240 RD/GY
CAV_3	3
340_RD/VT	340 RD/VT
240_RD/YE	240 RD/YE
340_RD/VT	340 RD/VT
240_RD/YE	240 RD/YE
6140_RD/GN	6140 RD/GN
CAV_60	60
CAV_8	8
CAV_8	8
UKC	SIDE ACTIVE SAFETY-OBSTACLE DETECTION ENHANCED
5840_RD/YE	5840 RD/YE
5840_RD/YE	5840 RD/YE
CAV_34	34
CAV_44	44
5840_RD/YE	5840 RD/YE
5840_RD/YE	5840 RD/YE
CAV_5	5
CAV_1	1
CONN_X2	X2
CAV_24	24
UVH	VISION-360 VIEW, MONO, ANALOG
CAV_1	1
CONN_X1	X1
CAV_M1	M1
CONN_X1	X1
CAV_M4	M4
340_RD/VT	340 RD/VT
240_RD/YE	240 RD/YE
CAV_4	4
6240_RD/GY	6240 RD/GY
6240_RD/GY	6240 RD/GY
UEU	SENSOR INDICATOR-FORWARD COLLISION ALERT
UHX	LANE ACTIVE SAFETY-KEEP ASSIST
UHY	COLL IMMINENT BRK-LOW SPEED, VEH FWD MOVEMENT, BRAKE PREFILL, INTEGRATED BRAKE ASSIST
CAV_9	9
6940_RD/GN	6940 RD/GN
6940_RD/GN	6940 RD/GN
5040	Battery Positive Voltage
CAV_18	18
CONN_X1	X1
CAV_6	6
CAV_12	12
CONN_X2	X2
CAV_12	12
5040_RD/YE	5040 RD/YE
5040_RD/YE	5040 RD/YE

Callout	Component Name
5040_RD/YE	5040 RD/YE
5040_RD/YE	5040 RD/YE
CAV_35	35
6140_RD/GN	6140 RD/GN
5240_RD/BU	5240 RD/BU
CAV_9	9
CONN_X1	X1
CAV_2	2
CONN_X1	X1
CAV_19	19
2740	Battery Positive Voltage
42_RD/BU	42 RD/BU
CAV_1	1
7140	Battery Positive Voltage
7140_RD/VT	7140 RD/VT
CAV_18	18
5140	Battery Positive Voltage
5140_RD/GN	5140 RD/GN
CAV_7	7
CAV_5	5
N06	STEERING COLUMN LOCK-ELECTRICAL
7340_BK/BU	7340 BK/BU
CAV_6	6
CONN_X1	X1
CAV_2	2
CONN_X1	X1
X205	X205
CAV_52	52
CAV_54	54
X105	X105
CAV_25	25
CAV_9	9
X200	X200
CAV_51	51
CAV_33	33
CAV_53	53
CAV_1	1
F2DA	F2DA 10A
F1DA	F1DA 10A
F3DA	F3DA 10A
F5DA	F5DA 20A
F16DA	F16DA 15A
F47DA	F47DA 10A
F4DA	F4DA 10A
F44DA	F44DA 10A
F46DA	F46DA 10A
F45DA	F45DA 10A
F49DA	F49DA 2A
F50DA	F50DA 2A
X415	X415
X200	X200
X205	X205
X208	X208
X300	X300
J232	J232
X200	X200
F55DA	F55DA 30A
F56DA	F56DA 30A
Q_REF	Q
F48DA	F48DA 10A
J406	J406
X205	X205
X105	X105
X200	X200
K84	K84 Keyless Entry Control Module
K157	K157 Video Processing Control Module
K56	K56 Serial Data Gateway Module
T6	T6 Power Inverter Module
B174W	B174W Frontview Camera - Windshield (UEU)
X83	X83 Auxiliary Audio Input
S70L	S70L Steering Wheel Controls Switch - Left
S70R	S70R Steering Wheel Controls Switch - Right
X85	X85 Steering Wheel Air Bag Coil
K36	K36 Inflatable Restraint Sensing and Diagnostic Module
K114B	K114B Hybrid/EV Powertrain Control Module 2
X50D	X50D Fuse Block - Battery
X51A	X51A Fuse Block - Instrument Panel
K60	K60 Steering Column Lock Module (N06)
X51A	X51A Fuse Block - Instrument Panel
B218L	B218L Side Object Sensor Module - Left (UKC)
B218R	B218R Side Object Sensor Module - Right (UKC)
B305	B305 Ambient Light/Sunload Sensor and Battery State of Charge Indicator

F6DA, F7DA, F8DA, F9DA, F10DA, F11DA, F12DA, F13DA, F14DA, F15DA, F17DA, F18DA, and F43DA Fuses

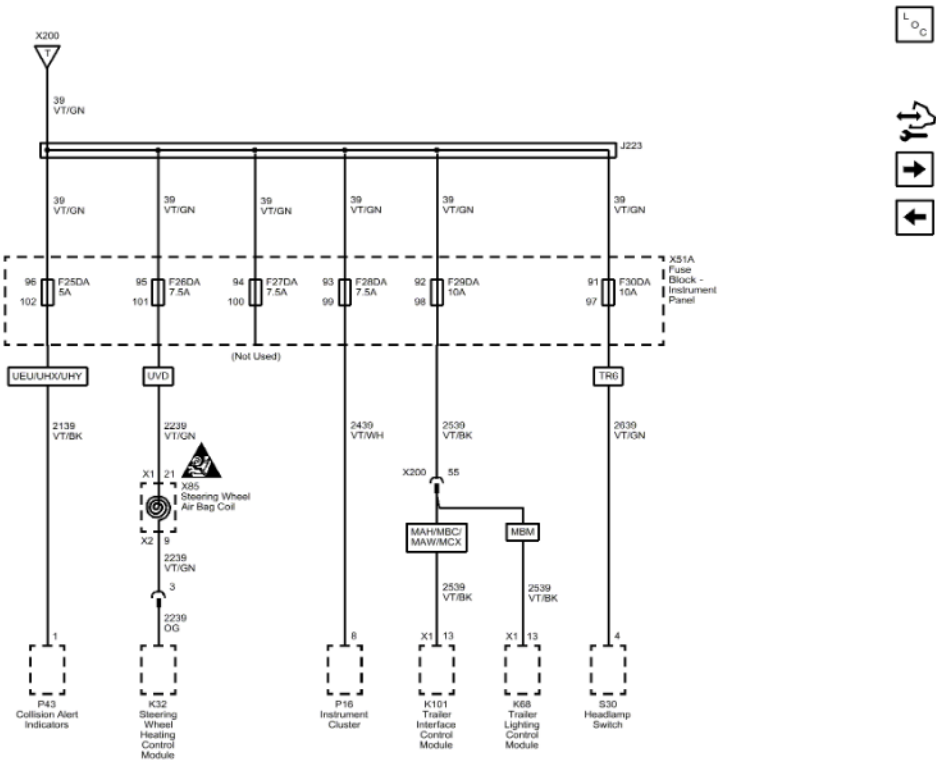


Callout	Component Name
4040	Battery Positive Voltage
4040_RD/VT	4040 RD/VT
CAV_1	1
CONN_X2	X2
4440	Battery Positive Voltage
4440_RD/GN	4440 RD/GN
4340	Battery Positive Voltage
4340_RD/YE	4340 RD/YE
4240	Battery Positive Voltage
4240_RD/BN	4240 RD/BN
4740	Battery Positive Voltage
4740_RD/WH	4740 RD/WH
4140	Battery Positive Voltage
4140_RD/GY	4140 RD/GY
CAV_4	4
5540	Battery Positive Voltage
5540_RD/GY	5540 RD/GY
CAV_3	3
4840	Battery Positive Voltage
4840_RD/GY	4840 RD/GY
CAV_16	16
CAV_38	38
CAV_69	69
CAV_47	47
CAV_40	40
CAV_36	36
CAV_2	2
CAV_70	70
CAV_39	39
CAV_37	37
CAV_73	73
CAV_36	36
CAV_74	74
4640	Battery Positive Voltage
4540	Battery Positive Voltage
5440	Battery Positive Voltage
5440_RD/WH	5440 RD/WH
5640	Battery Positive Voltage
5640_RD/VT	5640 RD/VT
CAV_4	4
4940	Battery Positive Voltage
4940_RD/BN	4940 RD/BN
CAV_16	16
CAV_3	3
CAV_2	2
CONN_X1	X1
CAV_3	3
CAV_4	4
CAV_3	3
CONN_X5	X5
CAV_4	4
4640_RD/VT	4640 RD/VT
4540_RD/BU	4540 RD/BU
4640_RD/VT	4640 RD/VT
4540_RD/BU	4540 RD/BU
CONN_X2	X2
5540_RD/GY	5540 RD/GY
UD5	PARK ASSIST-FRONT AND REAR
UD7	PARK ASSIST-REAR
UFQ	PARK ASSIST-FRONT, REAR, LATERAL-FRONT (SEMIAUTOMATIC STEERING ADVANCED PARKING AID)
CAV_1	1
CONN_X1	X1
UQA	SPEAKER SYSTEM-PREMIUM AUDIO, BRANDED AMPLIFIER
CONN_X1	X1
CAV_72	72
CAV_44	44
MAH	Â
MBC	Â
MAW	Â
MCX	Â
CAV_3	3
CONN_X2	X2
5540_RD/GY	5540 RD/GY
MBM	Â
X200	X200
CAV_16	16
CAV_15	15

F22DA, F23DA, F24DA, F51DA and F53DA Fuses

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Callout	Component Name
KR76	KR76 Retained Accessory Power Relay
T22	T22 Mobile Device Wireless Charger Module (K4C)
X92	X92 USB Receptacle
X80	X80 Accessory Power Receptacle
X85	X85 Steering Wheel Air Bag Coil
S70E	S70E Steering Wheel Controls Switch - Radio Presets
K9	K9 Body Control Module
X51A	X51A Fuse Block - Instrument Panel



Callout
39
39_VT/GN
39_VT/GN
39_VT/GN
39_VT/GN
39_VT/GN
39_VT/GN
2439
2439_VT/WH
CAV_8
2139
CAV_1
2139_VT/BK
CAV_94
CAV_100
39_VT/GN
UEU
UHX
UHY
2239
2239_OG
2239_VT/GN
2239_VT/GN
UVD
CAV_21
CONN_X1
CAV_9
CONN_X2
CAV_3
2539
2539_VT/BK
CAV_13
2639
2639_VT/GN
CAV_4
2539_VT/BK
CAV_91
CAV_97
TR6
CAV_93
CAV_99
CAV_96
CAV_102
CAV_95
CAV_101
CAV_92
CAV_98
CONN_X1
CAV_13
CONN_X1
2539_VT/BK
MAH
MBC
MAW
MCX
MBM
CAV_55
F27DA
F25DA
F28DA
F29DA
F30DA
F26DA
X200
J223
X51A

Callout	Component Name
39	Run/Crank Ignition 1 Voltage
39_VT/GN	39 VT/GN
39_VT/GN	39 VT/GN
39_VT/GN	39 VT/GN
39_VT/GN	39 VT/GN
39_VT/GN	39 VT/GN
39_VT/GN	39 VT/GN
39_VT/GN	39 VT/GN
2439	Run/Crank Ignition 1 Voltage
2439_VT/WH	2439 VT/WH
CAV_8	8
2139	Run/Crank Ignition 1 Voltage
CAV_1	1
2139_VT/BK	2139 VT/BK
CAV_94	94
CAV_100	100
39_VT/GN	39 VT/GN
UEU	SENSOR INDICATOR-FORWARD COLLISION ALERT
UHX	LANE ACTIVE SAFETY-KEEP ASSIST
UHY	COLL IMMINENT BRK-LOW SPEED, VEH FWD MOVEMENT, BRAKE PREFILL, INTEGRATED BRAKE ASSIST
2239	Run/Crank Ignition 1 Voltage
2239_OG	2239 OG
2239_VT/GN	2239 VT/GN
2239_VT/GN	2239 VT/GN
UVD	STEERING WHEEL HEAT-MANUAL
CAV_21	21
CONN_X1	X1
CAV_9	9
CONN_X2	X2
CAV_3	3
2539	Run/Crank Ignition 1 Voltage
2539_VT/BK	2539 VT/BK
CAV_13	13
2639	Run/Crank Ignition 1 Voltage
2639_VT/GN	2639 VT/GN
CAV_4	4
2539_VT/BK	2539 VT/BK
CAV_91	91
CAV_97	97
TR6	CONTROL, HEADLAMPS-LEVELING SYSTEM, MANUAL
CAV_93	93
CAV_99	99
CAV_96	96
CAV_102	102
CAV_95	95
CAV_101	101
CAV_92	92
CAV_98	98
CONN_X1	X1
CAV_13	13
CONN_X1	X1
2539_VT/BK	2539 VT/BK
MAH	Â
MBC	Â
MAW	Â
MCX	Â
MBM	Â
CAV_55	55
F27DA	F27DA 7.5A
F25DA	F25DA 5A
F28DA	F28DA 7.5A
F29DA	F29DA 10A
F30DA	F30DA 10A
F26DA	F26DA 7.5A
X200	X200
J223	J223
X51A	X51A Fuse Block - Instrument Panel

Callout	Component Name
P43	P43 Collision Alert Indicators
X85	X85 Steering Wheel Air Bag Coil
P16	P16 Instrument Cluster
K101	K101 Trailer Interface Control Module (MAH/MBC/MAW/MCX)
S30	S30 Headlamp Switch
K32	K32 Steering Wheel Heating Control Module (UVD)
K68	K68 Tralier Lighting Control Moduel (MBM)

F31DA, F32DA, F33DA, F34DA, F35DA, F36DA, and F52DA Fuses

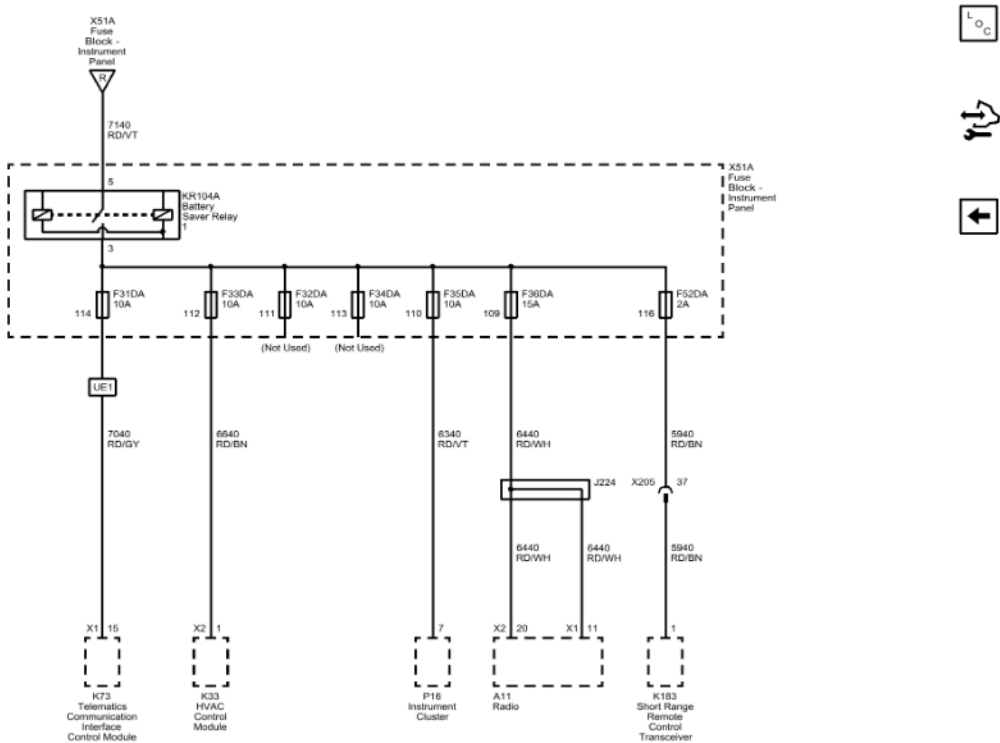


Fig. 61: F31DA, F32DA, F33DA, F34DA, F35DA, F36DA, and F52DA Fuses
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAV_114	114
CAV_112	112
CAV_109	109
7040	Battery Positive Voltage
7040_RD/GY	7040 RD/GY
CAV_15	15
CONN_X1	X1
6640	Battery Positive Voltage
6640_RD/BN	6640 RD/BN
CAV_1	1
6440	Battery Positive Voltage
6440_RD/WH	6440 RD/WH
CAV_20	20
CONN_X2	X2
CONN_X2	X2
UE1	COMMUNICATION SYSTEM-VEHICLE, ONSTAR
CAV_111	111
CAV_113	113
CAV_110	110
6340	Battery Positive Voltage
6340_RD/VT	6340 RD/VT
CAV_7	7
CAV_116	116
5940	Battery Positive Voltage
5940_RD/BN	5940 RD/BN
CAV_1	1
CAV_37	37
5940_RD/BN	5940 RD/BN
6440_RD/WH	6440 RD/WH
CAV_11	11
CONN_X1	X1
6440_RD/WH	6440 RD/WH
7140	Battery Positive Voltage
7140_RD/VT	7140 RD/VT
F31DA	F31DA 10A
F33DA	F33DA 10A
F36DA	F36DA 15A
F32DA	F32DA 10A
F34DA	F34DA 10A
F35DA	F35DA 10A
F52DA	F52DA 2A
X205	X205
J224	J224
R_REF	R
X51A	X51A Fuse Block - Instrument Panel
K33	K33 HVAC Control Module
K73	K73 Telematics Communication Interface Control Module
KR104A	KR104A Battery Saver Relay 1
P16	P16 Instrument Cluster
A11	A11 Radio
X51A	X51A Fuse Block - Instrument Panel
K183	K183 UHF Short Range Low Energy Remote Control Access Transceiver

POWER MODING SCHEMATICS

Ignition Mode Switch

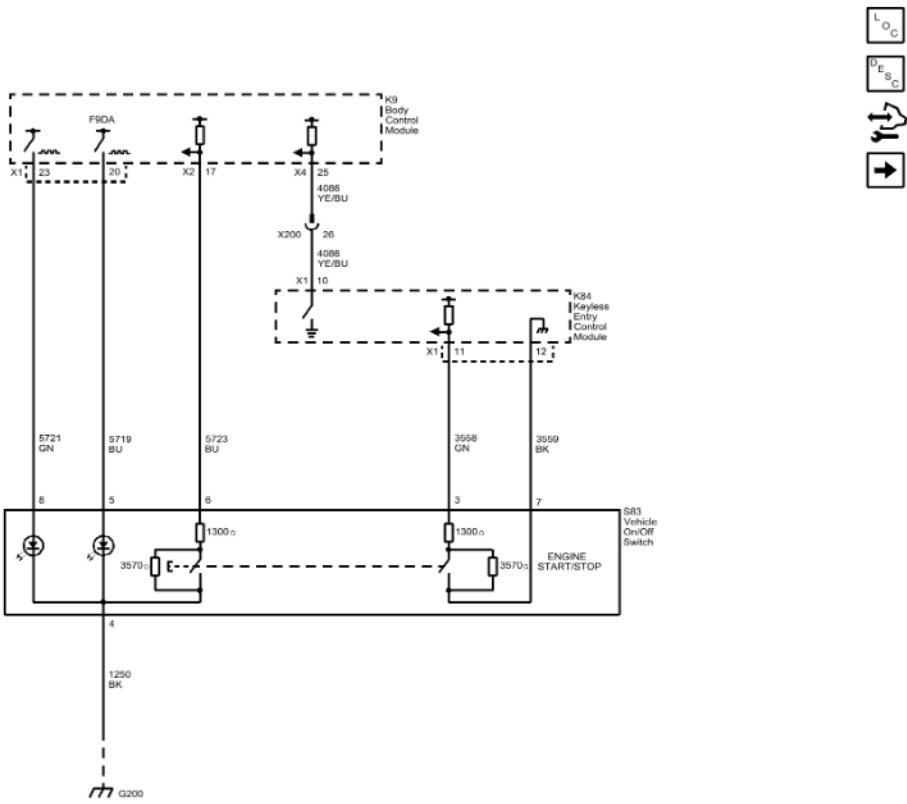


Fig. 62: Ignition Mode Switch
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
5721	Ignition Mode Switch Off LED Signal
CAV_8	8
5719	Ignition Mode Switch Start LED Signal
5719_BU	5719 BU
CAV_5	5
CAV_20	20
5723	Ignition Mode Switch Mode Voltage
5723_BU	5723 BU
CAV_6	6
CAV_17	17
CONN_X2	X2
1250	Ground
1250_BK	1250 BK
CAV_4	4
5721_GN	5721 GN
3558	Passive Start Switch Signal 2
CAV_3	3
CAV_11	11
CONN_X1	X1
3559	Passive Start Switch 2 Low Reference
CAV_7	7
CAV_12	12
3558_GN	3558 GN
3559_BK	3559 BK
CAV_23	23
CONN_X1	X1
4086	Pushbutton Start Challenge Active Signal
4086_YE/BU	4086 YE/BU
CAV_25	25
CONN_X4	X4
4086_YE/BU	4086 YE/BU
CAV_26	26
CAV_10	10
CONN_X1	X1
G200	G200
F9DA	F9DA
X200	X200
K9	K9 Body Control Module
K84	K84 Keyless Entry Control Module
S83	S83 Vehicle On/Off Switch

Ignition Power and Ignition Main Relay 1

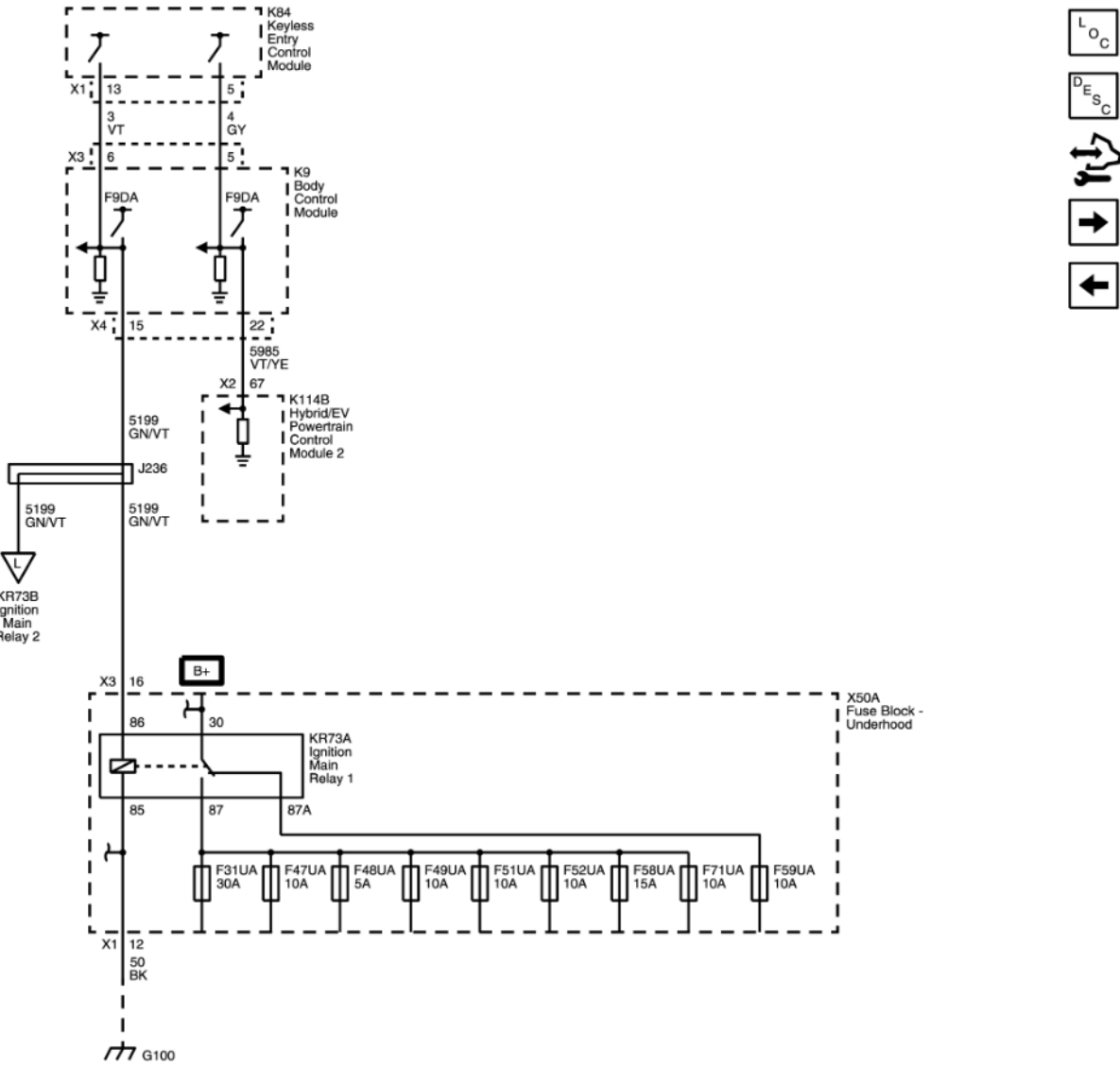


Fig. 63: Ignition Power and Ignition Main Relay 1
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CONN_X3	X3
CAV_5	5
5199	Run/Crank Relay Coil Control
5199_GN/VT	5199 GN/VT

Callout	Component Name
CAV_15	15
CONN_X4	X4
4	Accessory Ignition Voltage
CAV_86	86
CAV_30	30
CAV_85	85
CAV_87	87
50	Ground
50_BK	50 BK
CAV_87A	87A
CAV_6	6
CAV_22	22
3	Run/Crank Ignition 1 Voltage
5985	Accessory Wakeup Serial Data
5985_VT/YE	5985 VT/YE
CAV_5	5
CONN_X1	X1
CAV_13	13
CAV_12	12
CAV_16	16
4_GY	4 GY
3_VT	3 VT
CAV_67	67
CONN_X2	X2
CONN_X3	X3
CONN_X1	X1
5199_GN/VT	5199 GN/VT
5199_GN/VT	5199 GN/VT
G100	G100
F59UA	F59UA 10A
F47UA	F47UA 10A
F48UA	F48UA 5A
F49UA	F49UA 10A
F51UA	F51UA 10A
F52UA	F52UA 10A
F64UA	F64UA 15A
F71UA	F71UA 10A
F9DA	F9DA
F9DA	F9DA
F31UA	F31UA 30A
L_REF	L
J236	J236
X50A	X50A Fuse Block - Underhood
K114B	K114B Hybrid/EV Powertrain Control Module 2
K84	K84 Keyless Entry Control Module
KR73A	KR73A Ignition Main Relay 1
KR73B	KR73B Ignition Main Relay 2
K9	K9 Body Control Module

Ignition Main Relay 2

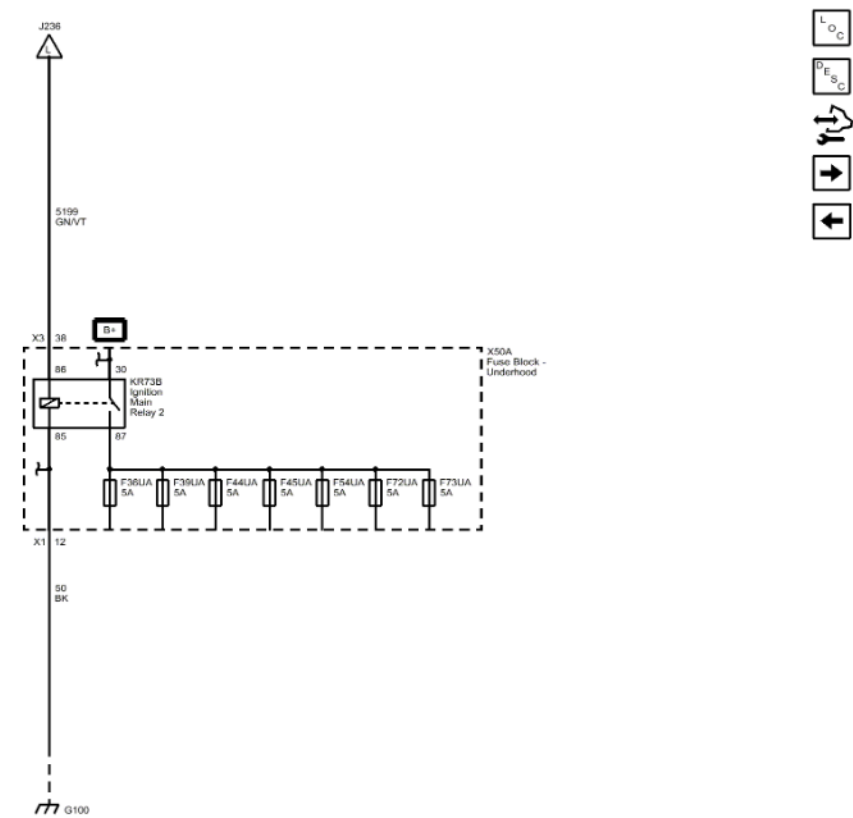


Fig. 64: Ignition Main Relay 2
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
5199	Run/Crank Relay Coil Control
CAV_86	86
CAV_30	30
CAV_85	85
CAV_87	87
50	Ground
50_BK	50 BK
CAV_12	12
CAV_38	38
CONN_X3	X3
CONN_X1	X1
5199_GN/VT	5199 GN/VT
G100	G100
F39UA	F39UA 5A
F44UA	F44UA 5A
F45UA	F45UA 5A
F54UA	F54UA 5A
F72UA	F72UA 5A
F73UA	F73UA 5A
F36UA	F36UA 5A
L_REF	L
J236	J236
X50A	X50A Fuse Block - Underhood
KR73B	KR73B Ignition Main Relay 2

Accessory Power and Retained Accessory Power Relay

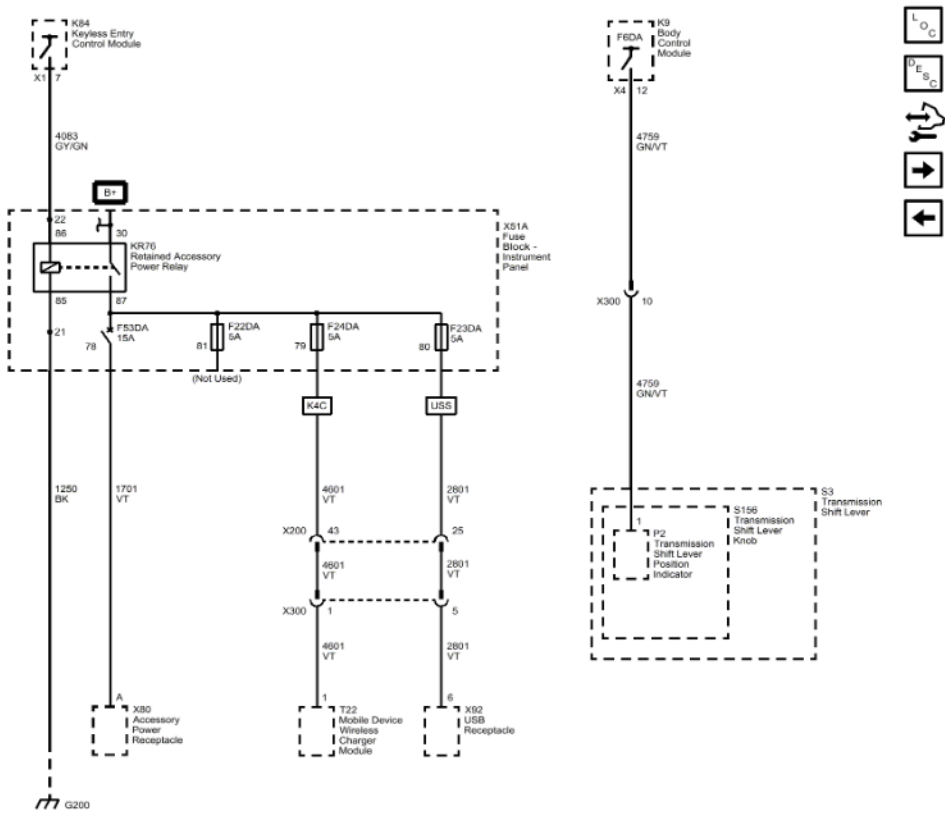


Fig. 65: Accessory Power and Retained Accessory Power Relay.
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAV_1	1
CAV_12	12
CONN_X4	X4
CAV_6	6
CAV_1	1
1250_BK	1250 BK
1250	Ground
CAV_7	7
CONN_X1	X1
4083_GY/GN	4083 GY/GN
4083	RAP Relay 2 Coil Control
4759	Transmission Shift Lever Position Indicator 2 Control
CAV_86	86
CAV_30	30
CAV_22	22
1701_VT	1701 VT
1701	Retained Accessory Power Ignition
CAV_80	80
CAV_78	78
CAV_87	87
CAV_85	85
CAV_21	21
2801	Retained Accessory Power Fuse Ignition
2801_VT	2801 VT
4601	Retained Accessory Power Fused Control
4601_VT	4601 VT
K4C	CHARGER-INDUCTIVE PORTABLE WIRELESS DEVICE
4601_VT	4601 VT
4601_VT	4601 VT
2801_VT	2801 VT
2801_VT	2801 VT
USS	RECEPTACLE-USB CHARGE PORT
CAV_79	79
CAV_81	81
CAV_A	A
4759_GN/VT	4759 GN/VT
CAV_10	10
4759_GN/VT	4759 GN/VT
X200	X200
CAV_25	25
CAV_43	43
X300	X300
CAV_5	5
CAV_1	1
G200	G200
F6DA	F6DA
F23DA	F23DA 5A
F53DA	F53DA 15A
F24DA	F24DA 5A
F22DA	F22DA 5A
X300	X300
X200	X200
X300	X300
K9	K9 Body Control Module
T22	T22 Mobile Device Wireless Charger Module (K4C)
X92	X92 USB Receptacle
K84	K84 Keyless Entry Control Module
X51A	X51A Fuse Block - Instrument Panel
KR76	KR76 Retained Accessory Power Relay
X80	X80 Accessory Power Receptacle
P2	P2 Transmission Shift Lever Position Indicator
S156	S156 Transmission Shift Lever Knob
S3	S3 Transmission Shift Lever

Battery Saver Relay

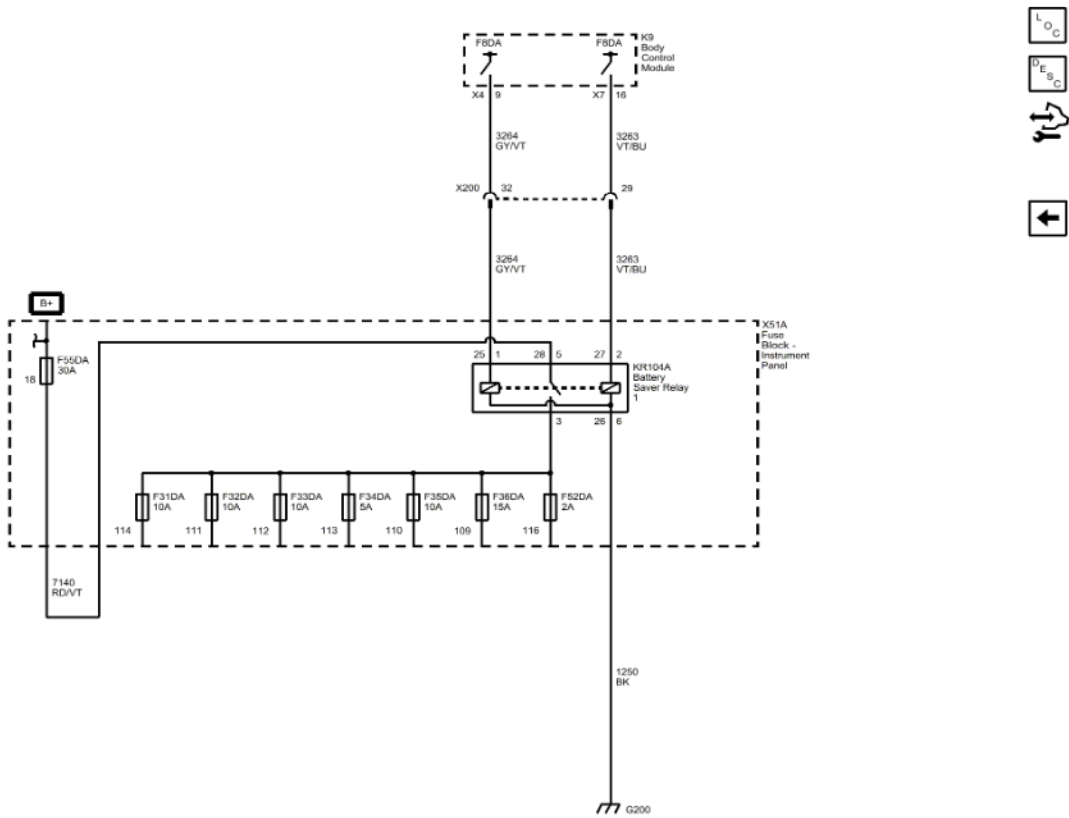


Fig. 66: Battery Saver Relay
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAV_9	9
CONN_X4	X4
CAV_16	16
CONN_X7	X7
CAV_110	110
CAV_109	109
CAV_116	116
1250	Ground
1250_BK	1250 BK
3264	Logistic Mode Relay Close Control
3264_GY/VT	3264 GY/VT
3263	Logistic Mode Relay Open Control
3263_VT/BU	3263 VT/BU
3264_GY/VT	3264 GY/VT
3263_VT/BU	3263 VT/BU
7140	Battery Positive Voltage
7140_RD/VT	7140 RD/VT
CAV_18	18
CAV_1	1
CONN_25	25
CAV_5	5
CONN_28	28
CAV_2	2
CONN_27	27
CAV_6	6
CONN_26	26
CAV_3	3
CAV_111	111
CAV_112	112
CAV_113	113
CAV_114	114
X200	X200
CAV_32	32
CAV_29	29
G200	G200
F35DA	F35DA 10A
F36DA	F36DA 15A
F52DA	F52DA 2A
F55DA	F55DA 30A
F32DA	F32DA 10A
F33DA	F33DA 10A
F34DA	F34DA 5A
F31DA	F31DA 10A
F8DA	F8DA
F8DA	F8DA
X200	X200
K9	K9 Body Control Module
KR104A	KR104A Battery Saver Relay 1
X51A	X51A Fuse Block - Instrument Panel

GROUND DISTRIBUTION SCHEMATICS

G100 and G104

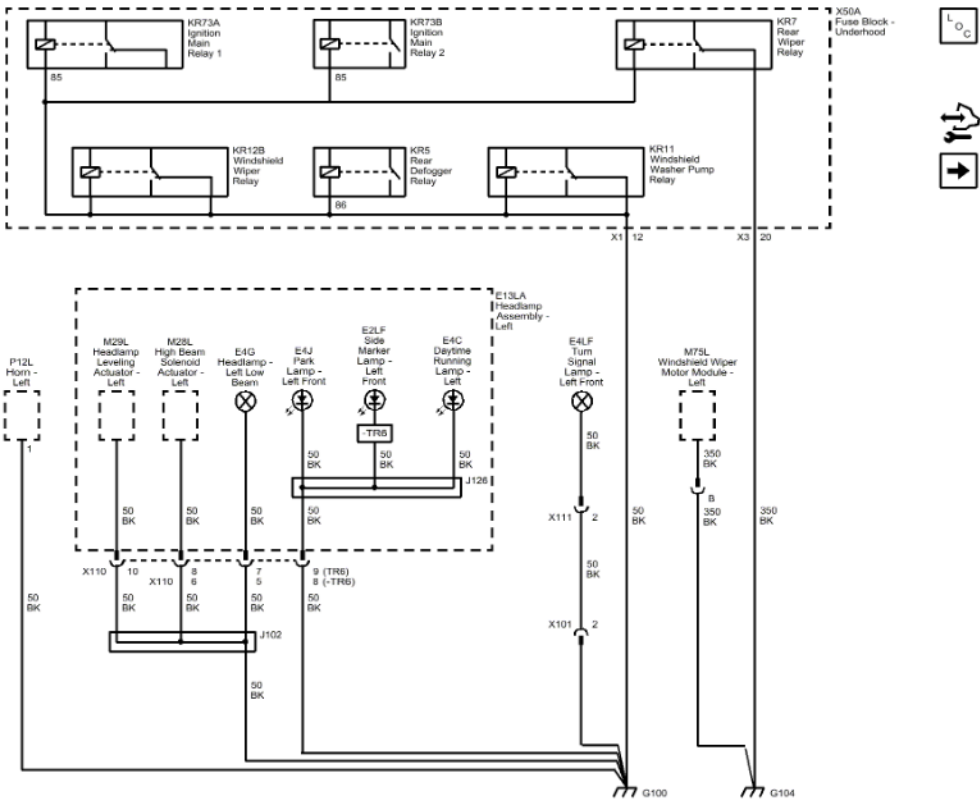
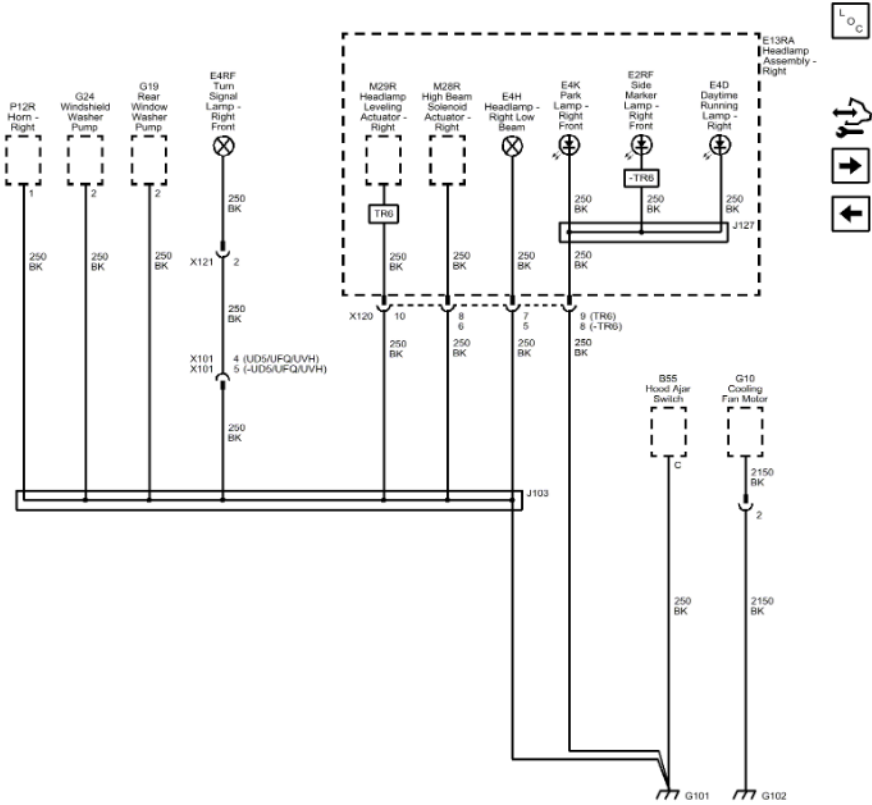


Fig. 67: G100 and G104
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
50	Ground
50_BK	50 BK
CAV_85	85
CAV_86	86
50_BK	50 BK
50_BK	50 BK
50_BK	50 BK
50_BK	50 BK
50_BK	50 BK
CAV_2	2
CAV_2	2
50_BK	50 BK
50_BK	50 BK
50_BK	50 BK
50_BK	50 BK
50_BK	50 BK
50_BK	50 BK
CAV_85	85
850	Ground
TR6	CONTROL, HEADLAMPS-LEVELING SYSTEM, MANUAL
CAV_8	8
CAV_5	5
CAV_6	6
TR6	CONTROL, HEADLAMPS-LEVELING SYSTEM, MANUAL
350	Ground
350_BK	350 BK
350_BK	350 BK
CAV_B	B
350_BK	350 BK
50_BK	50 BK
50_BK	50 BK
TR6	CONTROL, HEADLAMPS-LEVELING SYSTEM, MANUAL
50_BK	50 BK
CAV_1	1
50_BK	50 BK
CAV_20	20
CONN_X3	X3
CAV_12	12
CONN_X1	X1
X110	X110
CAV_8	8
CAV_9	9
CAV_7	7
CAV_10	10
J126	J126
J102	J102
X111	X111
X101	X101
G100	G100
G104	G104
X110	X110
KR12B	KR12B Windshield Wiper Relay
KR5	KR5 Rear Defogger Relay
E13LA	E13LA Headlamp Assembly - Left
KR11	KR11 Windshield Washer Pump Relay
E4G	E4G Headlamp - Left Low Beam
E4J	E4J Park Lamp - Left Front
E2LF	E2LF Side Marker Lamp - Left Front
E4C	E4C Daytime Running Lamp - Left
M28L	M28L High Beam Solenoid Actuator - Left
M29L	M29L Headlamp Leveling Actuator - Left (TR6)
E4LF	E4LF Turn Signal Lamp - Left Front
KR73A	KR73A Ignition Main Relay 1
KR73B	KR73B Ignition Main Relay 2
KR7	KR7 Rear Wiper Relay
M75L	M75L Windshield Wiper Motor Module - Left
P12L	P12L Horn - Left
X50A	X50A Fuse Block - Underhood

G101 and G102



Callout	Component Name
250_BK	250 BK
250_BK	250 BK
250_BK	250 BK
TR6	CONTROL, HEADLAMPS-LEVELING SYSTEM, MANUAL
CAV_2	2
CAV_5	5
250_BK	250 BK
250_BK	250 BK
250_BK	250 BK
250_BK	250 BK
250_BK	250 BK
CAV_8	8
TR6	CONTROL, HEADLAMPS-LEVELING SYSTEM, MANUAL
TR6	CONTROL, HEADLAMPS-LEVELING SYSTEM, MANUAL
CAV_5	5
CAV_6	6
CAV_4	4
UD5	PARK ASSIST-FRONT AND REAR
UFQ	PARK ASSIST-FRONT, REAR, LATERAL-FRONT (SEMIAUTOMATIC STEERING ADVANCED PARKING AID)
UVH	VISION-360 VIEW, MONO, ANALOG
UD5	PARK ASSIST-FRONT AND REAR
UFQ	PARK ASSIST-FRONT, REAR, LATERAL-FRONT (SEMIAUTOMATIC STEERING ADVANCED PARKING AID)
UVH	VISION-360 VIEW, MONO, ANALOG
250_BK	250 BK
250_BK	250 BK
250_BK	250 BK
250_BK	250 BK
CAV_C	C
CAV_2	2
CAV_2	2
CAV_1	1
250_BK	250 BK
850	Ground
2150	Ground
2150_BK	2150 BK
CAV_2	2
2150_BK	2150 BK
TR6	CONTROL, HEADLAMPS-LEVELING SYSTEM, MANUAL
X120	X120
CAV_10	10
CAV_8	8
CAV_9	9
CAV_7	7
J127	J127
X121	X121
X101	X101
J103	J103
G101	G101
G102	G102
X120	X120
M29R	M29R Headlamp Leveling Actuator - Right (TR6)
M28R	M28R High Beam Solenoid Actuator - Right
E4H	E4H Headlamp - Right Low Beam
E4K	E4K Park Lamp - Right Front
E2RF	E2RF Side Marker Lamp - Right Front
E4D	E4D Daytime Running Lamp - Right
E13RA	E13RA Headlamp Assembly - Right
E4RF	E4RF Turn Signal Lamp - Right Front
P12R	P12R Horn - Right
G24	G24 Windshield Washer Pump
G19	G19 Rear Window Washer Pump
B55	B55 Hood Ajar Switch
G10	G10 Cooling Fan Motor

G103, G105, G107, G116, G201 and G310

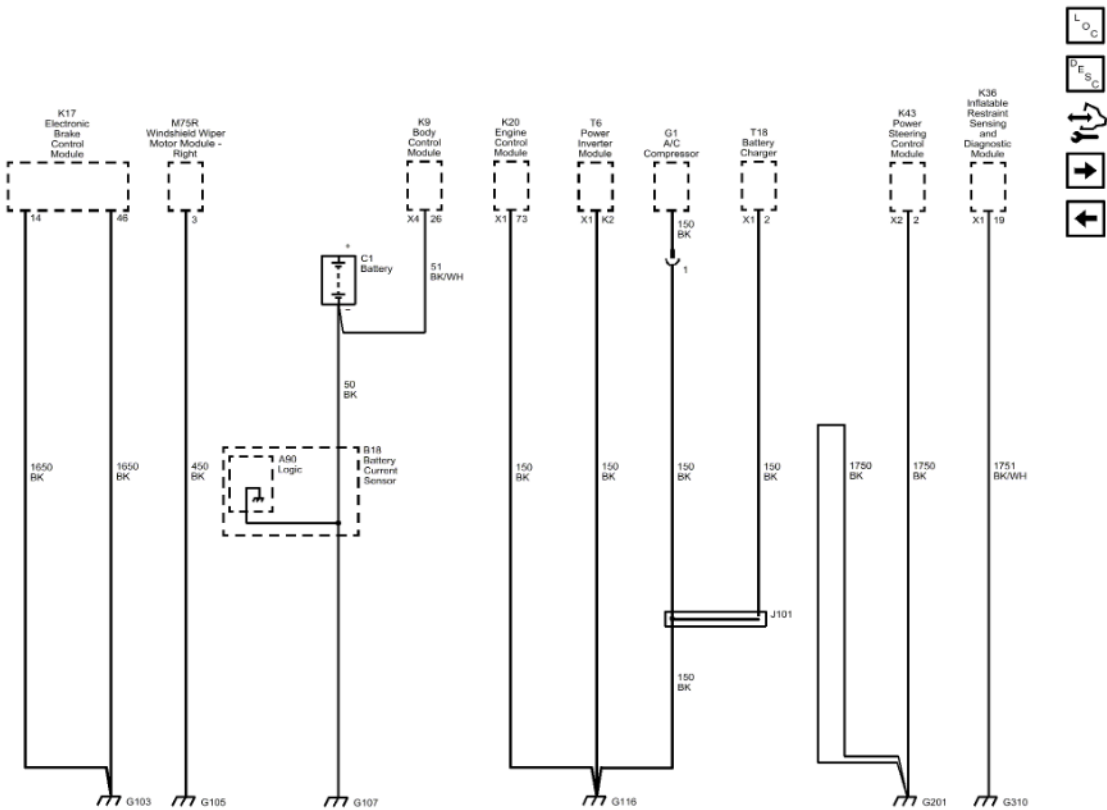


Fig. 69: G103, G105, G107, G116, G201 and G310
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1650	Ground
1650_BK	1650 BK
CAV_46	46
1650_BK	1650 BK
CAV_14	14
150	Ground
150_BK	150 BK
150_BK	150 BK
150_BK	150 BK
150_BK	150 BK

Callout	Component Name
150_BK	150 BK
450	Ground
450_BK	450 BK
CAV_3	3
CAV_1	1
150_BK	150 BK
CAV_2	2
CONN_X1	X1
CAV_K2	K2
CONN_X1	X1
CAV_73	73
CONN_X1	X1
1750	Ground
1750_BK	1750 BK
1750_BK	1750 BK
350	Ground
CAV_2	2
CONN_X2	X2
1751	Signal Ground
1751_BK/WH	1751 BK/WH
CAV_19	19
CONN_X1	X1
CAV_26	26
CONN_X4	X4
50_BK	50 BK
50	Ground
51	Signal Ground
51_BK/WH	51 BK/WH
G103	G103
G116	G116
J101	J101
G105	G105
G201	G201
G310	G310
G107	G107
K17	K17 Electronic Brake Control Module
G1	G1 A/C Compressor
M75R	M75R Windshield Wiper Motor Module - Right
T18	T18 Battery Charger
T6	T6 Power Inverter Module
K20	K20 Engine Control Module
K43	K43 Power Steering Control Module
K36	K36 Inflatable Restraint Sensing and Diagnostic Module
C1	C1 Battery
A90	A90 Logic
B18	B18 Battery Current Sensor
K9	K9 Body Control Module

G111, G150, G151, G153, G154, G155, G156, G157 and G158

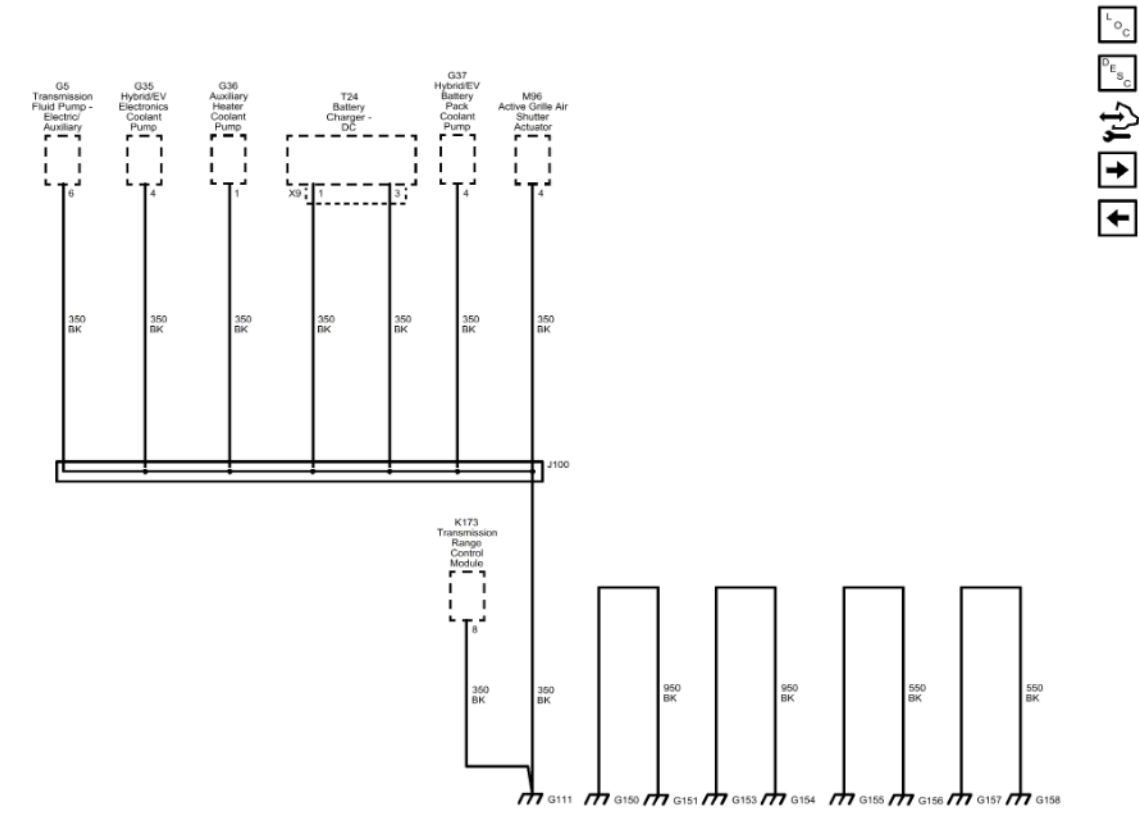


Fig. 70: G111, G150, G151, G153, G154, G155, G156, G157 and G158
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
350_BK	350 BK
CAV_6	6
350	Ground
350_BK	350 BK
350_BK	350 BK
CAV_3	3
350_BK	350 BK
350_BK	350 BK
350_BK	350 BK
CAV_4	4
350_BK	350 BK
CAV_1	1
350_BK	350 BK
350	Ground
350_BK	350 BK
CAV_8	8
CAV_4	4
CAV_4	4
CAV_1	1
CONN_X9	X9
CONN_X3	X3
950_BK	950 BK
950_BK	950 BK
550	Ground
550_BK	550 BK
550_BK	550 BK
G111	G111

Callout	Component Name
G150	G150
G151	G151
G153	G153
G154	G154
G155	G155
G156	G156
G157	G157
G158	G158
J100	J100
K173	K173 Transmission Range Control Module
M96	M96 Active Grille Air Shutter Actuator
T24	T24 Battery Charger - DC
G37	G37 Hybrid/EV Battery Pack Coolant Pump
G36	G36 Auxiliary Heater Coolant Pump
G35	G35 Hybrid/EV Electronics Coolant Pump
G5	G5 Transmission Fluid Pump - Electric/Auxiliary

G200 (1 of 2)

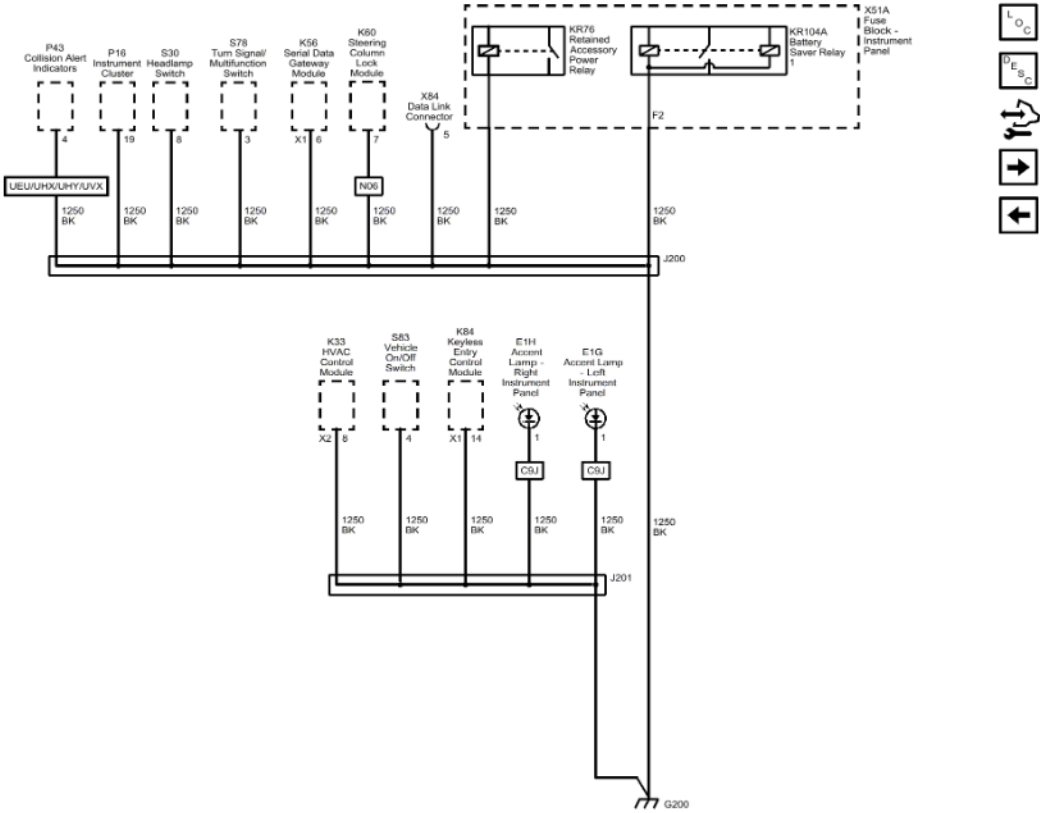


Fig. 71: G200 (1 of 2)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1250	Ground
1250_BK	1250 BK
1250_BK	1250 BK
CAV_8	8
CAV_19	19
1250_BK	1250 BK
CAV_3	3
1250_BK	1250 BK
1250_BK	1250 BK
1250_BK	1250 BK
1250_BK	1250 BK
CAV_7	7
1250_BK	1250 BK
1250_BK	1250 BK
CAV_4	4
UEU	SENSOR INDICATOR-FORWARD COLLISION ALERT
UHX	LANE ACTIVE SAFETY-KEEP ASSIST
UHY	COLL IMMINENT BRK-LOW SPEED, VEH FWD MOVEMENT, BRAKE PREFILL, INTEGRATED BRAKE ASSIST
UVX	SENSOR INDICATOR-TRAFFIC SIGN RECOGNITION ENHANCED
CAV_6	6
CONN_X1	X1
CAV_F2	F2
CAV_5	5
1250_BK	1250 BK
N06	STEERING COLUMN LOCK-ELECTRICAL
1250_BK	1250 BK
CAV_4	4
1250_BK	1250 BK
CAV_8	8
1250_BK	1250 BK
1250_BK	1250 BK
CAV_14	14
1250_BK	1250 BK
CONN_X2	X2
CONN_X1	X1
CAV_1	1
CAV_1	1
CAV_1	1
C9J	LAMP-INTR, AMBIENT, I/P
C9J	LAMP-INTR, AMBIENT, I/P
J200	J200
J201	J201
G200	G200
P43	P43 Collision Alert Indicators
P16	P16 Instrument Cluster
S30	S30 Headlamp Switch
S78	S78 Turn Signal/Multifunction Switch
K56	K56 Serial Data Gateway Module
K60	K60 Steering Column Lock Module (N06)
X51A	X51A Fuse Block - Instrument Panel
KR76	KR76 Retained Accessory Power Relay
KR104A	KR104A Battery Saver Relay 1
X84	X84 Data Link Connector
K33	K33 HVAC Control Module
S83	S83 Vehicle On/Off Switch
K84	K84 Keyless Entry Control Module
E1H	E1H Accent Lamp - Right Instrument Panel
E1G	E1G Accent Lamp - Left Instrument Panel

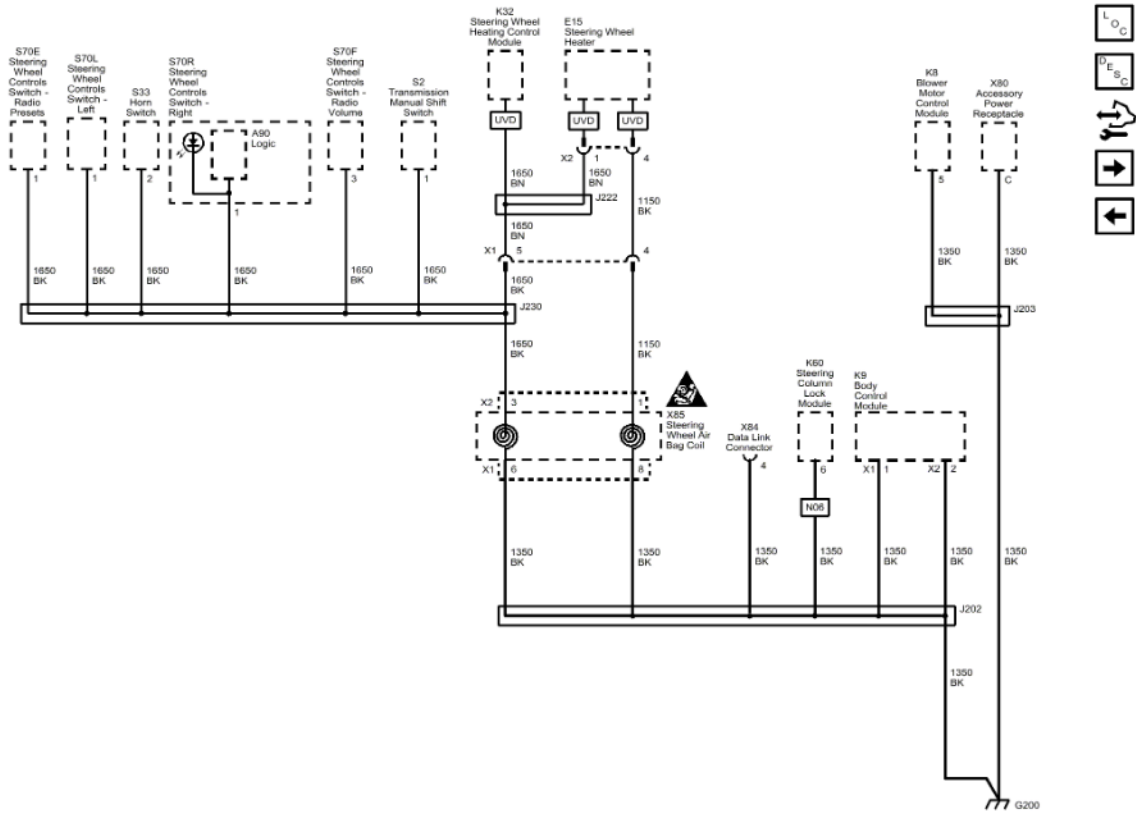


Fig. 72: G200 (2 of 2)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1350_BK	1350 BK
1350	Ground
1350_BK	1350 BK
1350_BK	1350 BK
1350_BK	1350 BK
CAV_6	6
1350_BK	1350 BK
1350_BK	1350 BK
1350_BK	1350 BK
CAV_5	5
CAV_C	C
CAV_6	6
CONN_X1	X1
1350_BK	1350 BK
1350_BK	1350 BK
1650	Ground
1650_BK	1650 BK
1650_BK	1650 BK
1650_BK	1650 BK
CAV_1	1
CAV_3	3
1650_BK	1650 BK
CAV_3	3
CONN_X2	X2
1650_BK	1650 BK
CAV_1	1
1150	Ground
1150_BK	1150 BK
1650_BK	1650 BK
CAV_2	2
Ã	Ã
CAV_1	1
1650_BK	1650 BK
CAV_1	1
CAV_8	8
1150_BK	1150 BK
Ã	Ã
1650_BN	1650 BN
1650_BN	1650 BN
1650_BN	1650 BN
CAV_1	1
CONN_X1	X1
CAV_2	2
CONN_X2	X2
CAV_4	4
N06	STEERING COLUMN LOCK-ELECTRICAL
1650_BK	1650 BK
CAV_1	1
UVD	STEERING WHEEL HEAT-MANUAL
UVD	STEERING WHEEL HEAT-MANUAL
UVD	STEERING WHEEL HEAT-MANUAL
1350_BK	1350 BK
X2	X2
CAV_4	4
CAV_1	1
X1	X1
CAV_4	4
CAV_5	5
G200	G200
J203	J203
J222	J222
J202	J202
J230	J230
X2	X2
X1	X1
X80	X80 Accessory Power Receptacle
K8	K8 Blower Motor Control Module
X85	X85 Steering Wheel Air Bag Coil
A90	A90 Logic
S70E	S70E Steering Wheel Controls Switch - Radio Presets
S70L	S70L Steering Wheel Controls Switch - Left
S33	S33 Horn Switch
S70R	S70R Steering Wheel Controls Switch - Right
S70F	S70F Steering Wheel Controls Switch - Radio Volume
K32	K32 Steering Wheel Heating Control Module (UVD)
E15	E15 Steering Wheel Heater (UVD)

Callout	Component Name
K9	K9 Body Control Module
X84	X84 Data Link Connector
S2	S2 Transmission Manual Shift Switch
K60	K60 Steering Column Lock Module (N06)

G202, G203, G260, G261, G262 and G263

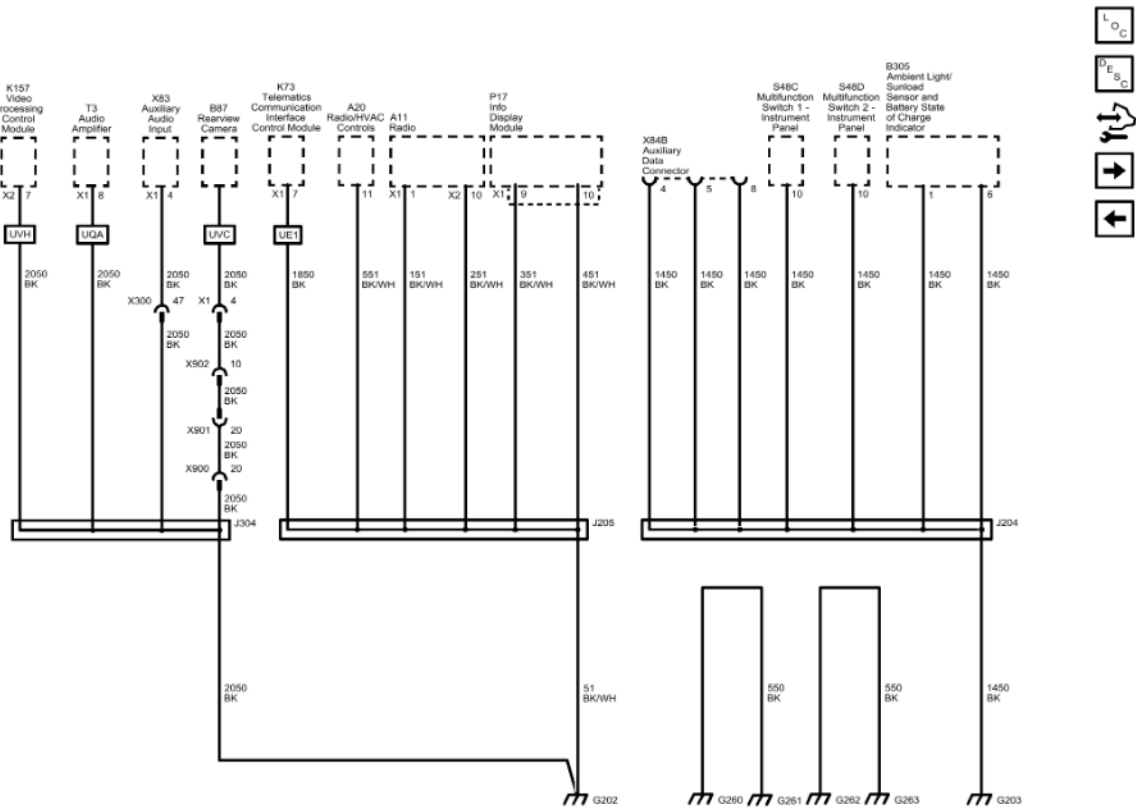


Fig. 73: G202, G203, G260, G261, G262 and G263
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1450	Ground
1450_BK	1450 BK
1450_BK	1450 BK
1450_BK	1450 BK
1450_BK	1450 BK
CAV_10	10
1450_BK	1450 BK
CAV_10	10
1850_BK	1850 BK
CAV_7	7
1850	Ground
451_BK/WH	451 BK/WH
451	Signal Ground
551_BK/WH	551 BK/WH
CAV_11	11
551	Signal Ground
351_BK/WH	351 BK/WH
351	Signal Ground
151_BK/WH	151 BK/WH
151	Signal Ground
251_BK/WH	251 BK/WH
251	Signal Ground
CAV_10	10
CAV_9	9
CAV_10	10
CONN_X2	X2
CAV_1	1
CONN_X1	X1
UE1	COMMUNICATION SYSTEM-VEHICLE, ONSTAR
550	Ground
550_BK	550 BK
550_BK	550 BK
2050_BK	2050 BK
2050_BK	2050 BK
2050_BK	2050 BK
2050_BK	2050 BK
2050_BK	2050 BK
CAV_7	7
CONN_X2	X2
UVH	VISION-360 VIEW, MONO, ANALOG
CAV_4	4
CONN_X1	X1
CAV_47	47
2050_BK	2050 BK
2050_BK	2050 BK
CAV_8	8
CONN_X1	X1
UQA	SPEAKER SYSTEM-PREMIUM AUDIO, BRANDED AMPLIFIER
UVC	VISION-REAR VIEW, MONO, ANALOG
CAV_10	10
CAV_20	20
CAV_20	20
2050_BK	2050 BK
2050_BK	2050 BK
2050_BK	2050 BK
350	Ground
2050	Ground
51	Signal Ground
51_BK/WH	51 BK/WH
CONN_X1	X1
1450_BK	1450 BK
1450_BK	1450 BK
1450_BK	1450 BK
CAV_1	1
CAV_6	6
CAV_5	5
CAV_4	4
CAV_8	8
CAV_4	4
CONN_X1	X1

Callout	Component Name
G203	G203
J204	J204
G202	G202
J205	J205
G260	G260
G261	G261
G262	G262
G263	G263
X300	X300
X902	X902
X901	X901
X900	X900
J304	J304
X1	X1
X84B	X84B Auxiliary Data Connector
K73	K73 Telematics Communication Interface Control Module
K157	K157 Video Processing Control Module
X83	X83 Auxiliary Audio Input
B87	B87 Rearview Camera
T3	T3 Audio Amplifier (UQA)
A11	A11 Radio
P17	P17 Info Display Module
A20	A20 Radio/HVAC Controls
S48D	S48D Multifunction Switch 2 - Instrument Panel
S48C	S48C Multifunction Switch 1 - Instrument Panel
B305	B305 Ambient Light/Sunload Sensor and Battery State of Charge Indicator

G304

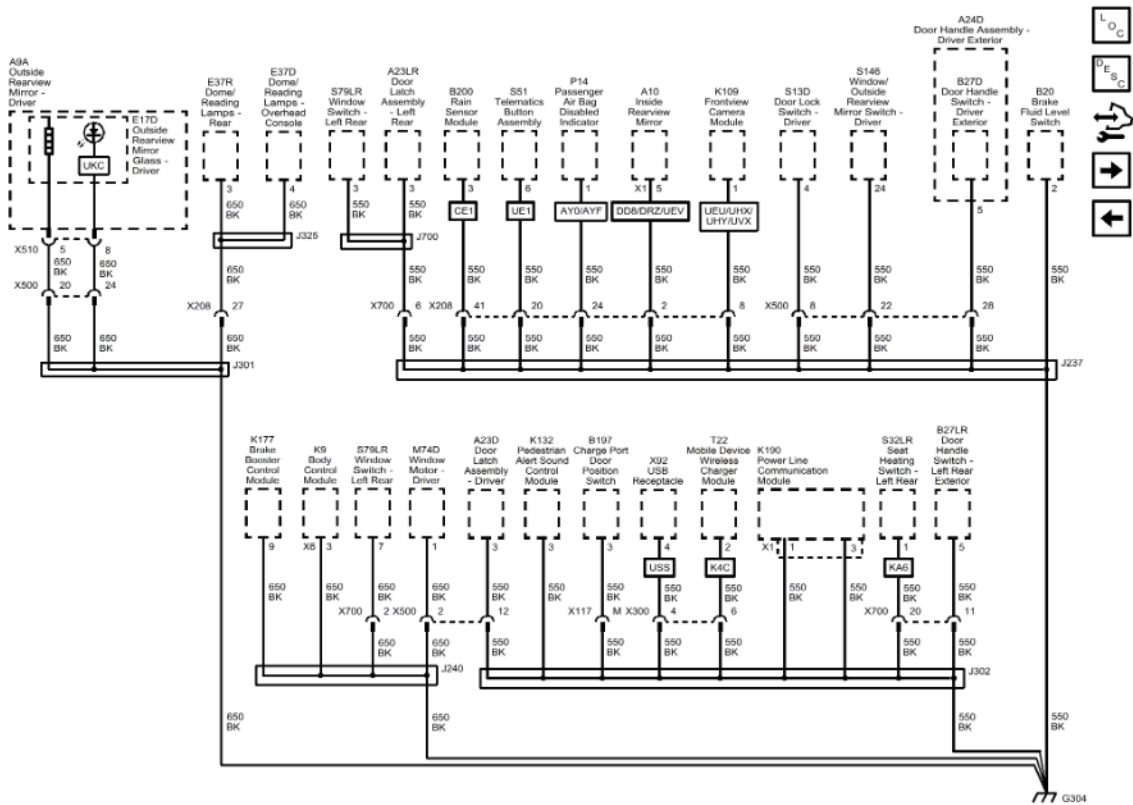


Fig. 74: G304
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
550	Ground
550_BK	550 BK
CAV_4	4
550_BK	550 BK
550_BK	550 BK
CAV_2	2
550_BK	550 BK
550_BK	550 BK
550_BK	550 BK
550_BK	550 BK
CAV_3	3
CAV_1	1
CONN_X1	X1
USS	RECEPTACLE-USB CHARGE PORT
K4C	CHARGER-INDUCTIVE PORTABLE WIRELESS DEVICE
CAV_1	1
CAV_5	5
KA6	HEATER SEAT-REAR
550_BK	550 BK
CAV_3	3
550_BK	550 BK
CAV_3	3
CAV_M	M
550_BK	550 BK
CAV_3	3
550_BK	550 BK
CAV_6	6
550_BK	550 BK
550_BK	550 BK
CAV_1	1
550_BK	550 BK
550_BK	550 BK
550_BK	550 BK
CAV_4	4
CAV_24	24
550_BK	550 BK
CAV_3	3
CAV_3	3
550_BK	550 BK
CAV_3	3
CAV_1	1
CAV_6	6
CE1	WIPER SYS WINDSHIELD-PULSE, MOISTURE SENSITIVE
UE1	COMMUNICATION SYSTEM-VEHICLE, ONSTAR
DD8	MIRROR I/S R/V-LT SENSITIVE
DRZ	MIRROR I/S R/V-LT SENSITIVE, FULL VIDEO DISPLAY
UEV	COMMUNICATION EQUIP-AUTOMATIC TOLL COLLECTION
550_BK	550 BK

Callout	Component Name
550_BK	550 BK
550_BK	550 BK
550_BK	550 BK
550_BK	550 BK
550_BK	550 BK
550_BK	550 BK
550_BK	550 BK
550_BK	550 BK
550_BK	550 BK
550_BK	550 BK
CAV_2	2
550_BK	550 BK
550_BK	550 BK
550_BK	550 BK
550_BK	550 BK
550_BK	550 BK
550_BK	550 BK
550_BK	550 BK
650	Ground
650_BK	650 BK
UKC	SIDE ACTIVE SAFETY-OBSTACLE DETECTION ENHANCED
650_BK	650 BK
650_BK	650 BK
CAV_3	3
CAV_4	4
650	Ground
650_BK	650 BK
650_BK	650 BK
650_BK	650 BK
650_BK	650 BK
CAV_27	27
650_BK	650 BK
CAV_1	1
650_BK	650 BK
CAV_7	7
650_BK	650 BK
650_BK	650 BK
CAV_9	9
CAV_3	3
CONN_X6	X6
CAV_2	2
650_BK	650 BK
650_BK	650 BK
650_BK	650 BK
650_BK	650 BK
550_BK	550 BK
650_BK	650 BK
550_BK	550 BK
AY0	RESTRAINT SYSTEM-SEAT, INFLATABLE, DRIVER and PASS FRT, SEAT SIDE, ROOF SIDE
AYF	RESTRAINT SYSTEM-SEAT, INFLATABLE, DRIVER and PASS FRT, FRT SEAT SIDE and RR SEAT SIDE, ROOF SIDE, KNEE
CAV_5	5
CONN_X1	X1
UEU	SENSOR INDICATOR-FORWARD COLLISION ALERT
UHX	LANE ACTIVE SAFETY-KEEP ASSIST
UHY	COLL IMMINENT BRK-LOW SPEED, VEH FWD MOVEMENT, BRAKE PREFILL, INTEGRATED BRAKE ASSIST
UVX	SENSOR INDICATOR-TRAFFIC SIGN RECOGNITION ENHANCED
CAV_5	5
X300	X300
CAV_4	4
CAV_6	6
X700	X700
CAV_20	20
CAV_11	11
X500	X500
CAV_8	8
CAV_22	22
CAV_28	28
X208	X208
CAV_20	20
CAV_41	41
CAV_24	24
CAV_8	8
X500	X500
CAV_20	20
CAV_24	24
X500	X500
CAV_2	2
CAV_12	12
X510	X510
CAV_5	5
CAV_8	8
G304	G304
X117	X117
X700	X700
J700	J700
J325	J325
X208	X208
X700	X700
J240	J240
J301	J301
J302	J302
J237	J237
X300	X300
X700	X700
X500	X500
X208	X208
X500	X500
X500	X500
X510	X510
X92	X92 USB Receptacle
T22	T22 Mobile Device Wireless Charger Module (K4C)
S32LR	S32LR Seat Heating Switch - Left Rear (KA6)

Callout	Component Name
CAV_10	10
CONN_X2	X2
850_BK	850 BK
CAV_7	7
CAV_2	2
850_BK	850 BK
CAV_7	7
CAV_2	2
KA1	HEATER SEAT FRT-DRVR and PASS
850_BK	850 BK
850_BK	850 BK
850_BK	850 BK
850_BK	850 BK
850_BK	850 BK
850_BK	850 BK
CAV_12	12
CONN_X1	X1
750_BK	750 BK
CAV_12	12
CAV_3	3
CAV_5	5
X300	X300
CAV_8	8
CAV_27	27
X800	X800
CAV_6	6
CAV_11	11
X600	X600
CAV_20	20
CAV_24	24
CAV_12	12
CAV_8	8
CAV_28	28
X320	X320
CAV_16	16
CAV_15	15
X610	X610
CAV_8	8
CAV_5	5
G305	G305
X800	X800
X800	X800
X600	X600
X357	X357
J306	J306
J307	J307
J305	J305
X2	X2
X300	X300
X800	X800
X600	X600
X320	X320
X610	X610
K10	K10 Coolant Heater Control Module
A9B	A9B Outside Rearview Mirror - Passenger
E17P	E17P Outside Rearview Mirror Glass - Passenger
S13P	S13P Door Lock Switch - Passenger
A23P	A23P Door Latch Assembly - Passenger
S32RR	S32RR Seat Heating Switch - Right Rear (KA6)
B27RR	B27RR Door Handle Switch - Right Rear Exterior
A23RR	A23RR Door Latch Assembly - Right Rear
S91	S91 Park Brake Control Switch
K38	K38 Chassis Control Module
K85	K85 Passenger Presence Module
K114B	K114B Hybrid/EV Powertrain Control Module 2
A28	A28 Hybrid/EV Battery Contactor Assembly
K29F	K29F Seat Heating Control Module - Front (KA1)
S79RR	S79RR Window Switch - Right Rear
S79P	S79P Window Switch - Passenger
K16	K16 Battery Energy Control Module
A4	A4 Hybrid/EV Battery Pack
P2	P2 Transmission Shift Lever Position Indicator
S156	S156 Transmission Shift Lever Knob
S3	S3 Transmission Shift Lever
B27P	B27P Door Handle Switch - Passenger Exterior
A24P	A24P Door Handle Assembly - Passenger Exterior

G355, G356, G357, G358, G401 and G405

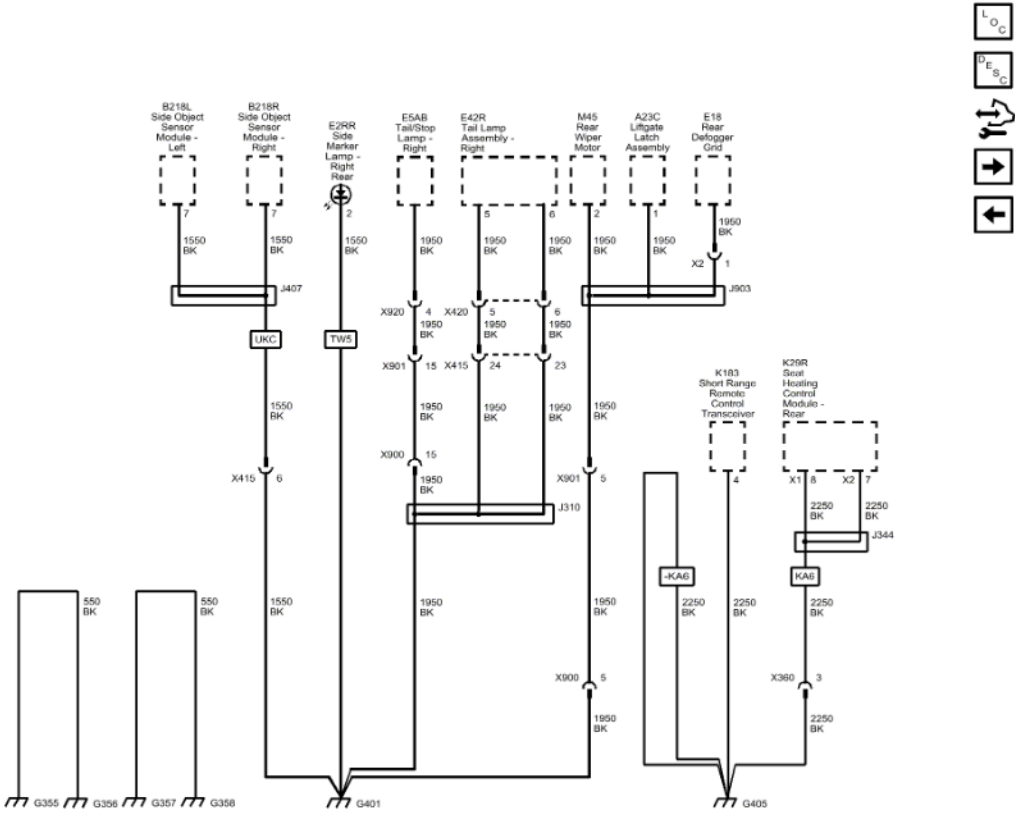
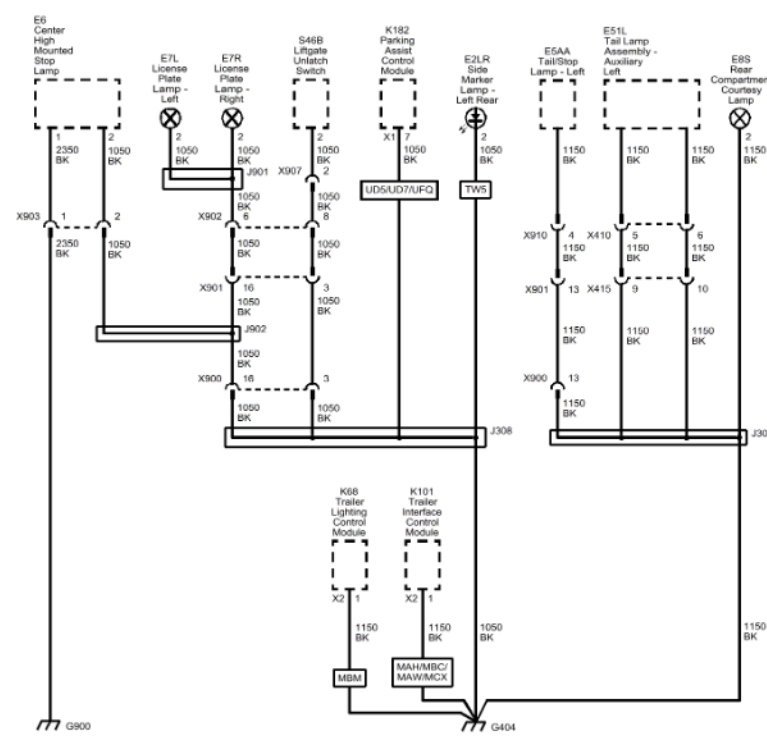


Fig. 76: G355, G356, G357, G358, G401 and G405
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1550_BK	1550 BK
CAV_7	7
1550	Ground
1550_BK	1550 BK
1550_BK	1550 BK
CAV_7	7
1950	Ground
1950_BK	1950 BK
CAV_5	5
1950_BK	1950 BK
1950_BK	1950 BK
TW5	LAMP-TAIL and STOP, SAE, LED
CAV_4	4
1950_BK	1950 BK
1950_BK	1950 BK
1950_BK	1950 BK
CAV_15	15
CAV_15	15
1950_BK	1950 BK
1950_BK	1950 BK
1950_BK	1950 BK
1950_BK	1950 BK
CAV_6	6
UKC	SIDE ACTIVE SAFETY-OBSTACLE DETECTION ENHANCED
1550_BK	1550 BK
CAV_6	6
1550_BK	1550 BK
1950_BK	1950 BK
1950_BK	1950 BK
CAV_1	1
1950_BK	1950 BK
1950_BK	1950 BK
1950_BK	1950 BK
1950_BK	1950 BK
CAV_2	2
CAV_5	5
CAV_5	5
2250	Ground
2250_BK	2250 BK
350	Ground
CAV_4	4
2250_BK	2250 BK
2250_BK	2250 BK
CAV_7	7
CONN_X2	X2
CAV_8	8
CONN_X1	X1
2250_BK	2250 BK
2250_BK	2250 BK
CAV_3	3
1950_BK	1950 BK
2250_BK	2250 BK
KA6	HEATER SEAT-REAR
KA6	HEATER SEAT-REAR
550	Ground
550_BK	550 BK
550_BK	550 BK
CAV_2	2
CAV_1	1
X420	X420
CAV_5	5
CAV_6	6
X415	X415
CAV_24	24
CAV_23	23
G401	G401
X920	X920
X901	X901
X900	X900
J310	J310
J407	J407
X415	X415
X900	X900
J903	J903
X901	X901
G405	G405
J344	J344
X360	X360
G355	G355
G356	G356
G357	G357
G358	G358
X2	X2
X420	X420
X415	X415
E5AB	E5AB Tail/Stop Lamp - Right
E42R	E42R Tail Lamp Assembly - Right
E2RR	E2RR Side Marker Lamp - Right Rear
B218R	B218R Side Object Sensor Module - Right (UKC)
B218L	B218L Side Object Sensor Module - Left (UKC)
M45	M45 Rear Wiper Motor
A23C	A23C Liftgate Latch Assembly
E18	E18 Rear Defogger Grid
K29R	K29R Seat Heating Control Module - Rear (KA6)
K183	K183 UHF Short Range Low Energy Remote Control Access Transceiver

G404 and G900



Callout	Component Name
1050	Ground
1050_BK	1050 BK
1050_BK	1050 BK
CAV_2	2
1050_BK	1050 BK
CAV_2	2
1050_BK	1050 BK
1050_BK	1050 BK
1050_BK	1050 BK
1050_BK	1050 BK
CAV_7	7
CONN_X1	X1
1150	Ground
1150_BK	1150 BK
1150_BK	1150 BK
1150_BK	1150 BK
CAV_2	2
CAV_2	2
1050_BK	1050 BK
1050_BK	1050 BK
1050_BK	1050 BK
CAV_2	2
1050_BK	1050 BK
1050_BK	1050 BK
1050_BK	1050 BK
1050_BK	1050 BK
2350	Ground
2350_BK	2350 BK
CAV_1	1
2350_BK	2350 BK
1050_BK	1050 BK
1050_BK	1050 BK
1050_BK	1050 BK
UD5	PARK ASSIST-FRONT AND REAR
UD7	PARK ASSIST-REAR
UFQ	PARK ASSIST-FRONT, REAR, LATERAL-FRONT (SEMIAUTOMATIC STEERING ADVANCED PARKING AID)
TW5	LAMP-TAIL and STOP, SAE, LED
1150_BK	1150 BK
CAV_2	2
CAV_4	4
1150_BK	1150 BK
1150_BK	1150 BK
1150_BK	1150 BK
CAV_13	13
CAV_13	13
1150_BK	1150 BK
1150_BK	1150 BK
1150_BK	1150 BK
1150_BK	1150 BK
1150_BK	1150 BK
1150_BK	1150 BK
CAV_1	1
CONN_X2	X2
CAV_2	2
MAH	À
MBC	À
MAW	À
MCX	À
1150_BK	1150 BK
CAV_1	1
CONN_X2	X2
MBM	À
X902	X902
CAV_6	6
CAV_8	8
X901	X901
CAV_16	16
CAV_3	3
X903	X903
CAV_1	1
CAV_2	2
X900	X900
CAV_16	16
CAV_3	3
X410	X410
CAV_5	5
CAV_6	6

Callout	Component Name
X415	X415
CAV_9	9
CAV_10	10
G404	G404
J901	J901
X907	X907
J902	J902
G900	G900
J309	J309
X910	X910
X901	X901
X900	X900
J308	J308
X902	X902
X901	X901
X903	X903
X900	X900
X410	X410
X415	X415
E7L	E7L License Plate Lamp - Left
E7R	E7R License Plate Lamp - Right
S46B	S46B Liftgate Unlatch Switch
E6	E6 Center High Mounted Stop Lamp
E2LR	E2LR Side Marker Lamp - Left Rear
E5AA	E5AA Tail/Stop Lamp - Left
E8S	E8S Rear Compartment Courtesy Lamp
K101	K101 Trailer Interface Control Module (MAH/MBC/MAW/MCX)
E51L	E51L Tail Lamp Assembly - Auxiliary Left
K182	K182 Parking Assist Control Module
K68	K68 Tralier Lighting Control Moduel (MBM)