

ENGINE PERFORMANCE

Wiring Systems and Power Management - Schematic and Routing Diagrams - Canyon, Colorado

SCHEMATIC WIRING DIAGRAMS

HARNESS ROUTING VIEWS

Forward Lamp Harness Routing - Left Engine Compartment

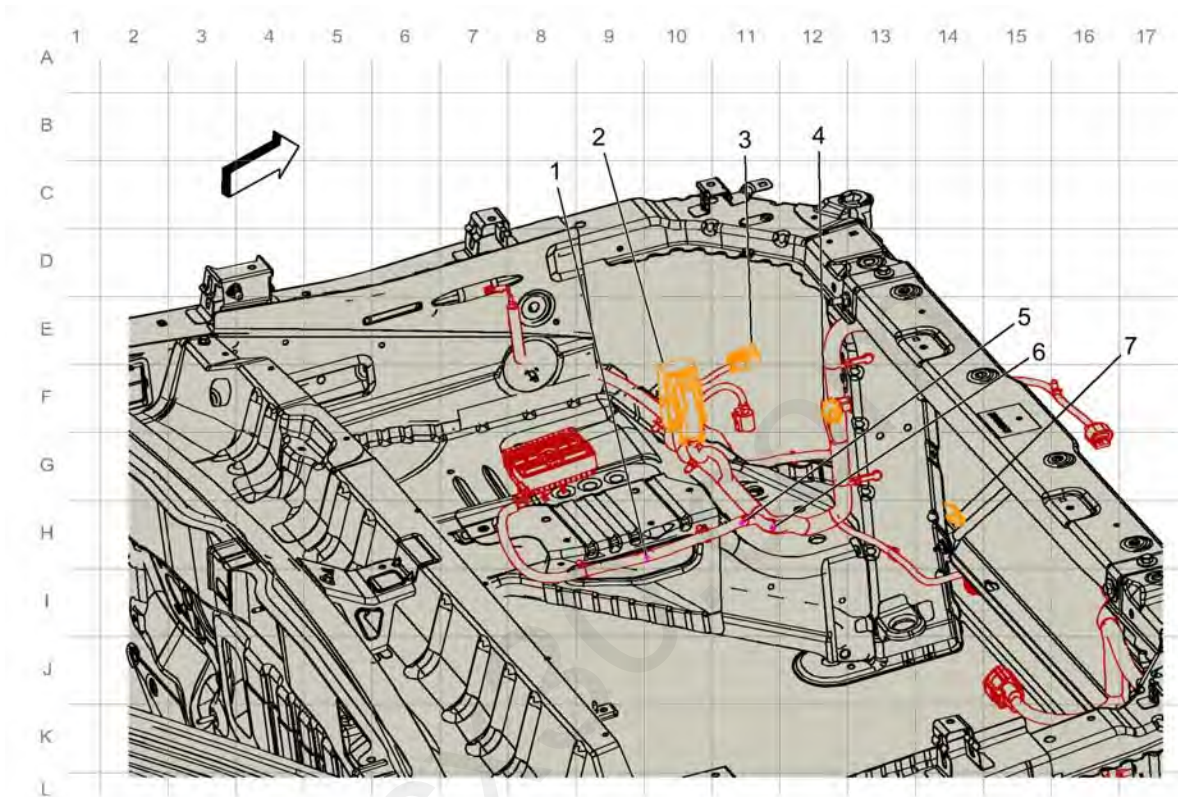


Fig. 1: Forward Lamp Harness Routing - Left Engine Compartment

Courtesy of GENERAL MOTORS COMPANY

Items

- J117
- X102 X102 Forward Lamp Harness to Body Harness X102 Forward Lamp Harness to Body Harness (LWN)
- X110 X110 Forward Lamp Harness to Headlamp - Left Harness
- X104 (LCV) X104 Forward Lamp Harness to Forward Lamp Extension Harness (LCV)
- J118
- J119
- X105 X105 Forward Lamp Harness to Ambient Temperature Sensor Extension Harness (LCV)

Forward Lamp Harness Routing - Left Engine Compartment (LWN)

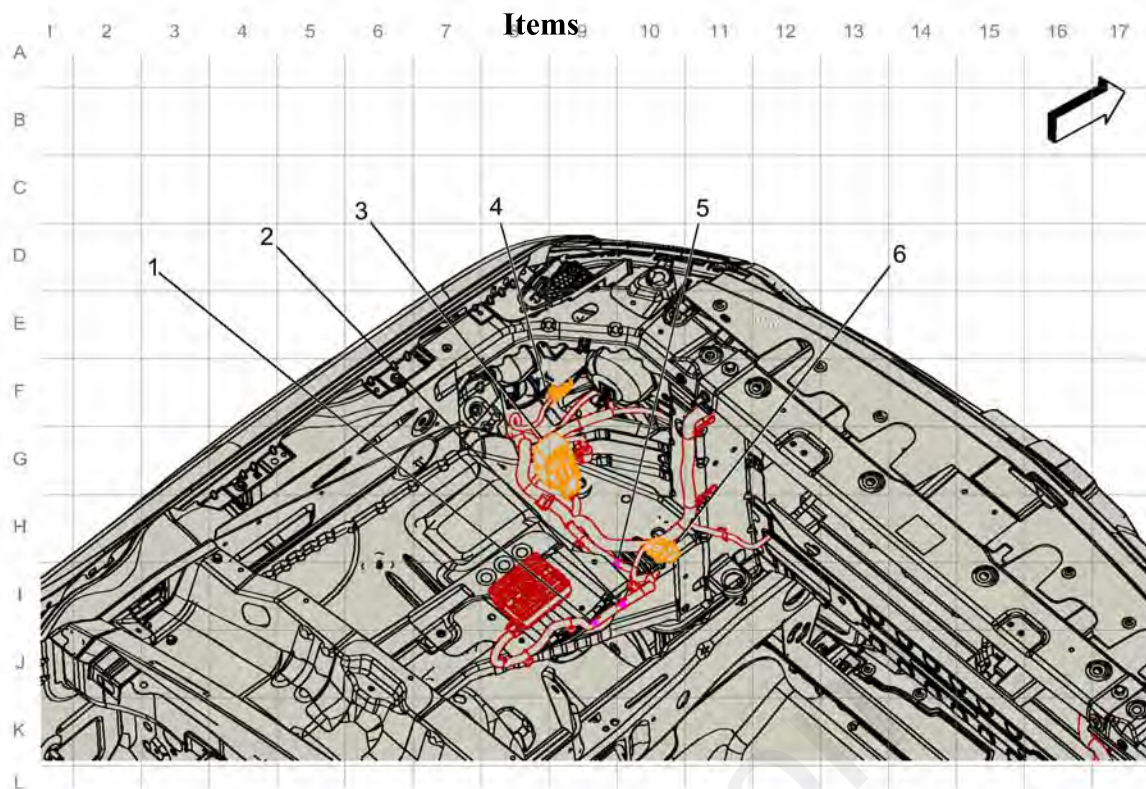


Fig. 2: Forward Lamp Harness Routing - Left Engine Compartment (LWN)

Courtesy of GENERAL MOTORS COMPANY

Items

J117

J118

X102 X102 Forward Lamp Harness to Body Harness (LWN)

X110 X110 Forward Lamp Harness to Headlamp - Left Harness

J119

X109 (LWN) X109 Engine Harness to Forward Lamp Harness (LWN)

Forward Lamp Harness Routing - Right Engine Compartment

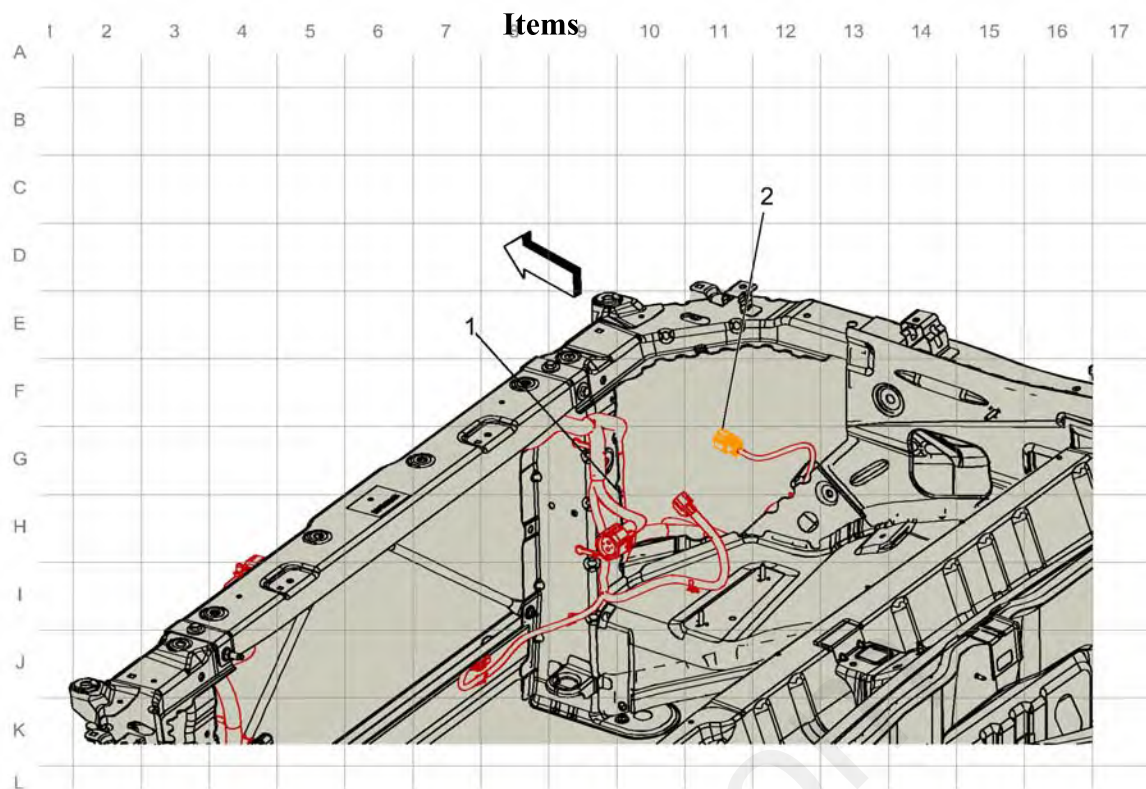


Fig. 3: Forward Lamp Harness Routing - Right Engine Compartment

Courtesy of GENERAL MOTORS COMPANY

Items

J120

X120 **X120 Forward Lamp Harness to Headlamp - Right Harness**

Body Harness Routing - Left Engine Compartment (LCV/LFX)

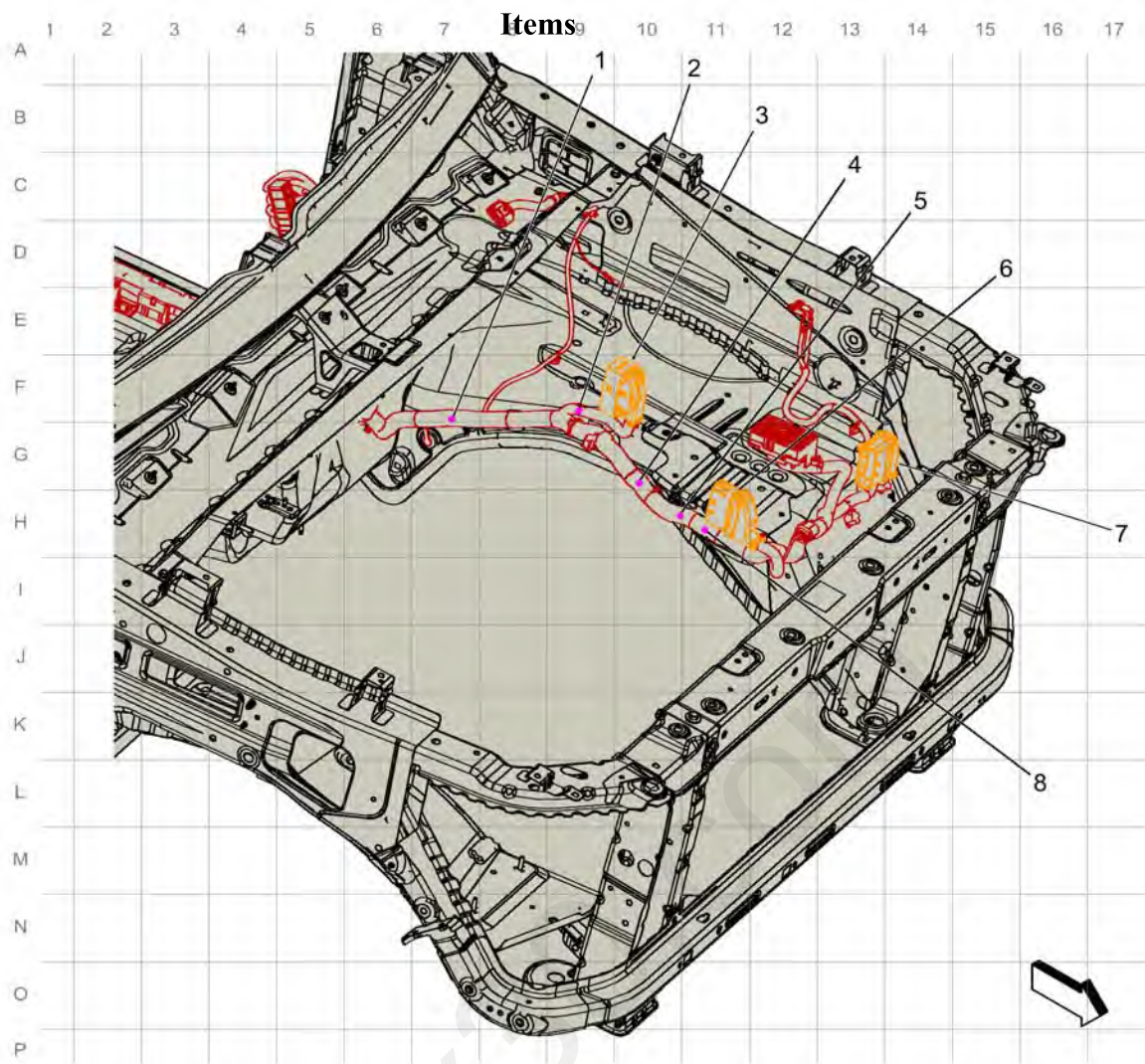


Fig. 4: Body Harness Routing - Left Engine Compartment (LCV/LFX)

Courtesy of GENERAL MOTORS COMPANY

Items

- J103
- J102
- X106 **X106 Body Harness to Chassis Harness (LCV/LFX)**
- J123
- J101
- X101 **X101 Engine Harness to Body Harness (LCV) X101 Engine Harness to Body Harness (LFX)**
- X102 **X102 Forward Lamp Harness to Body Harness**
- J100

Body Harness Routing - Left Engine Compartment (LWN)

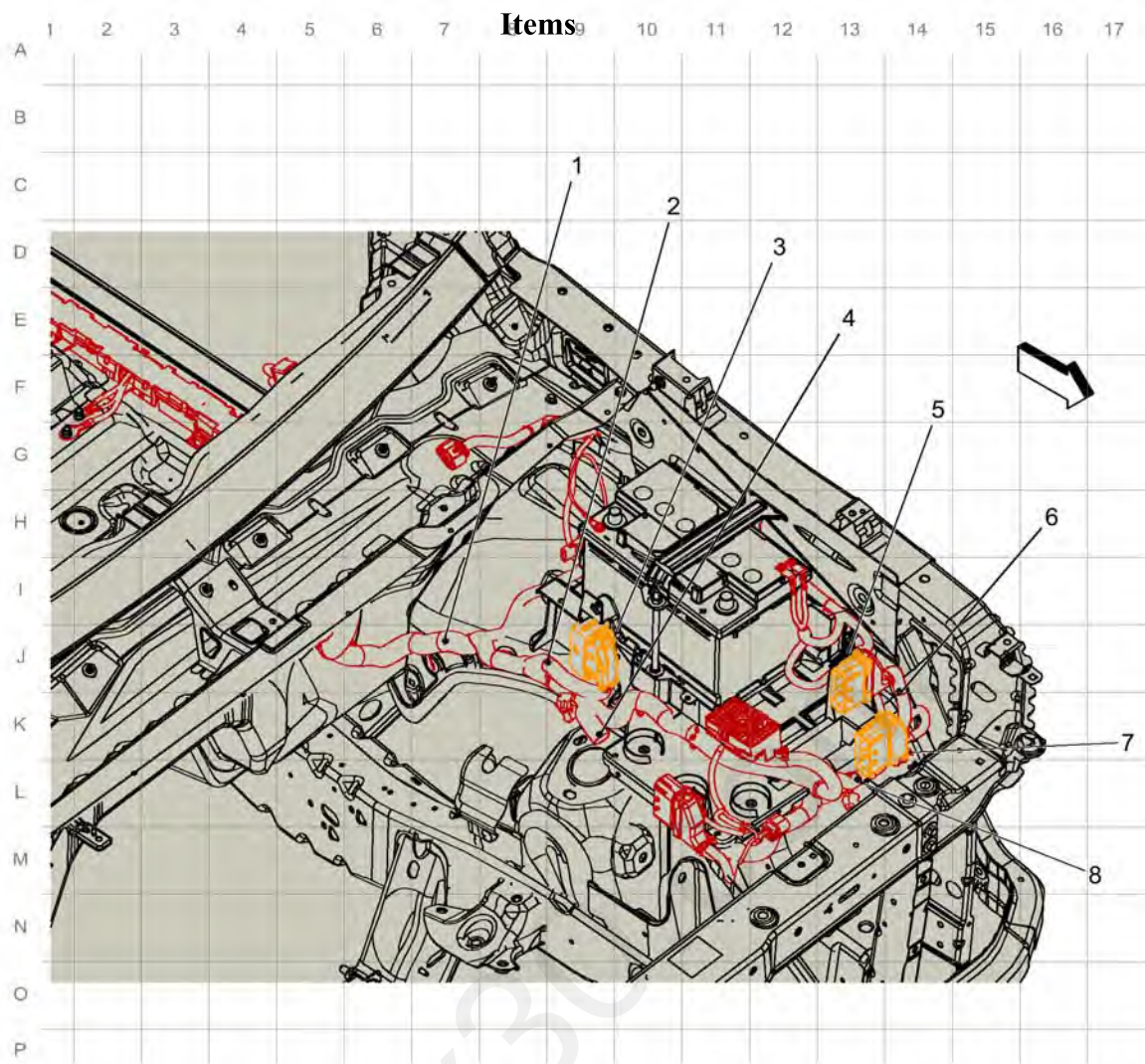


Fig. 5: Body Harness Routing - Left Engine Compartment (LWN)

Courtesy of GENERAL MOTORS COMPANY

Items

- J103
- J102
- X106 X106 Body Harness to Chassis Harness (LWN)
- J123
- X101 X101 Engine Harness to Body Harness (LWN)
- J101
- X102 X102 Forward Lamp Harness to Body Harness (LWN)
- J100

Body Harness Routing - Center Engine Compartment

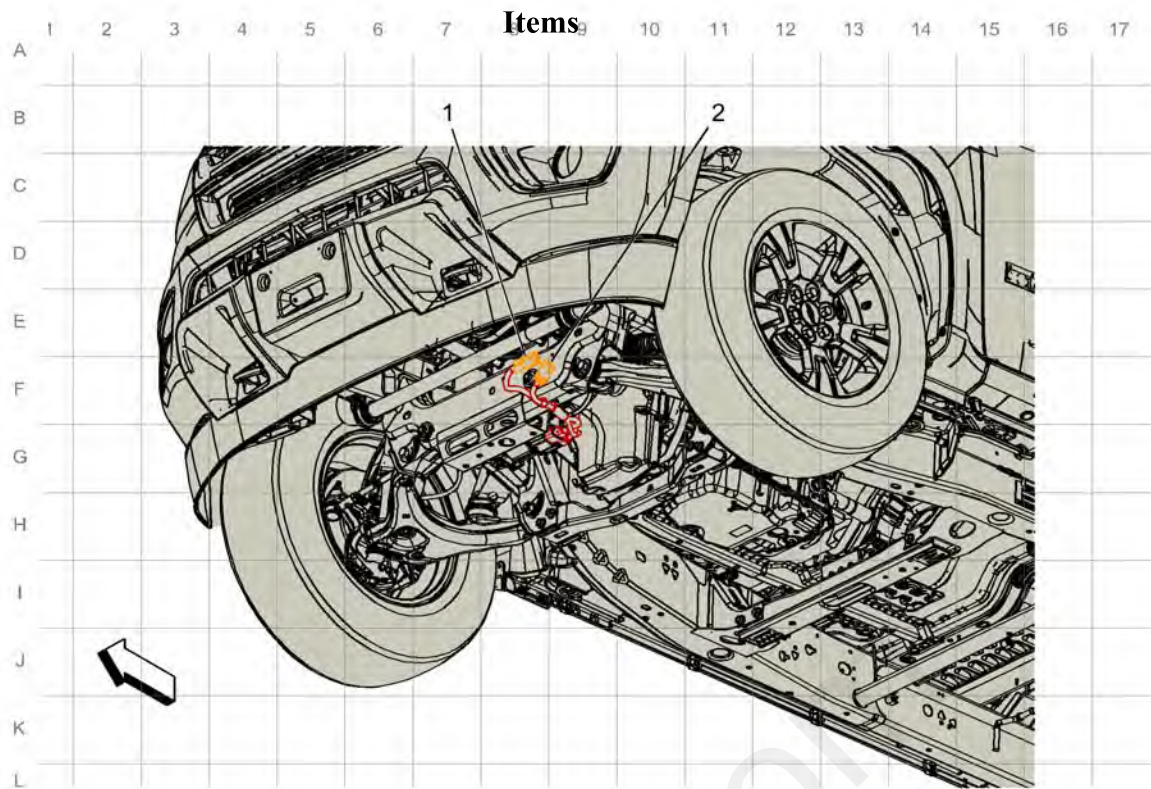


Fig. 6: Body Harness Routing - Center Engine Compartment

Courtesy of GENERAL MOTORS COMPANY

Items

X100 X100 Battery Harness to Power Steering Harness

X103 X103 Chassis Harness to Power Steering Harness

Engine Harness Routing - Left Front (LCV)

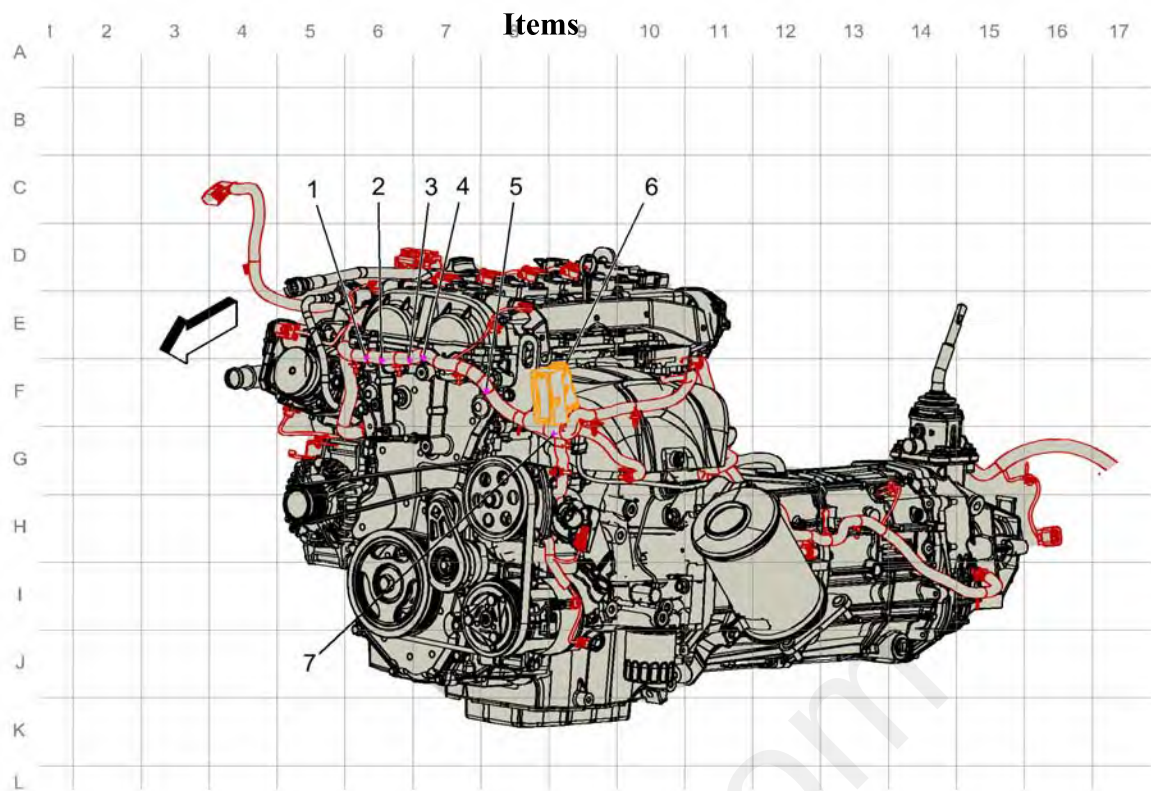


Fig. 7: Engine Harness Routing - Left Front (LCV)

Courtesy of GENERAL MOTORS COMPANY

	Items
J111	
J109	
J107	
J110	
J108 (LCV)	
X101	<u>X101 Engine Harness to Body Harness (LCV)</u>
J106	

Engine Harness Routing - Right Front Top (LCV)

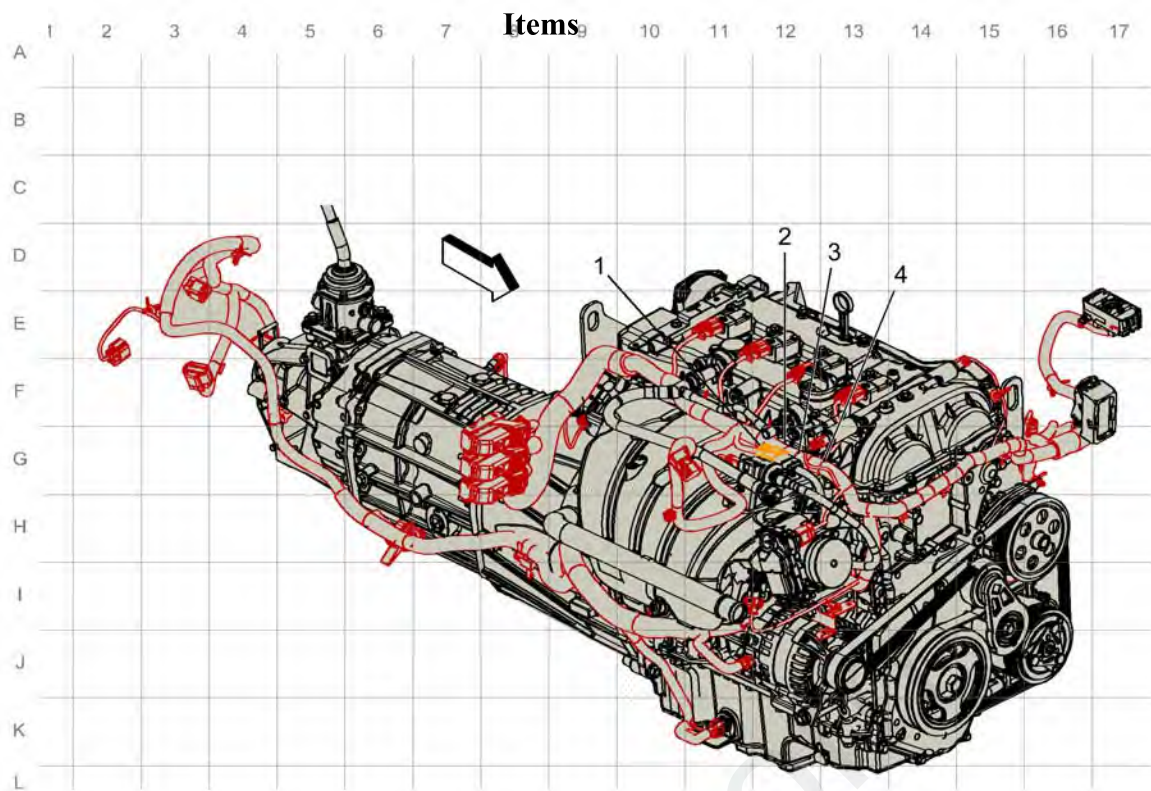


Fig. 8: Engine Harness Routing - Right Front Top (LCV)

Courtesy of GENERAL MOTORS COMPANY

Items

X160 **X160 Engine Harness to Fuel Injector - Odd Harness (LCV)**

J112 (LCV)

J113

J114

Engine Harness Routing - Front (LFX)

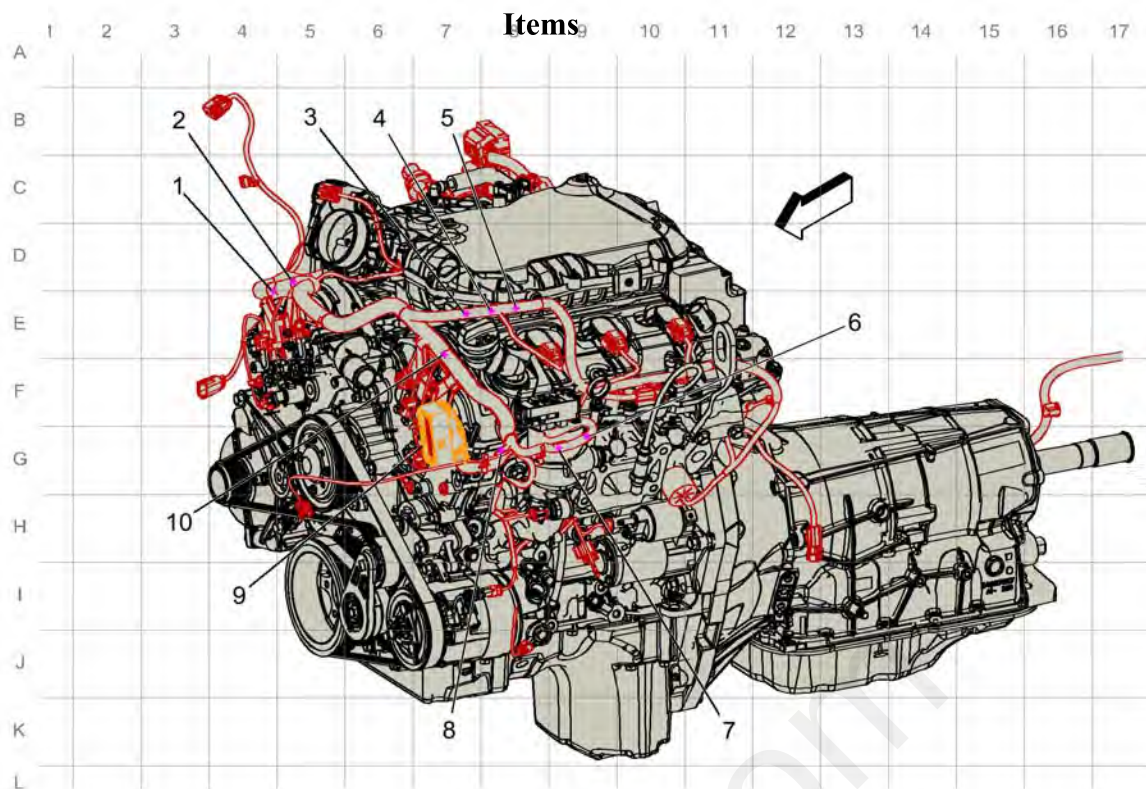


Fig. 9: Engine Harness Routing - Front (LFX)
 Courtesy of GENERAL MOTORS COMPANY

	Items
J114	
J110	
J109	
J111	
J116 (LFX)	
J113	
J107	
J106	
X101	<u>X101 Engine Harness to Body Harness (LFX)</u>
J115 (LFX)	

Engine Harness Routing - Rear (LFX)

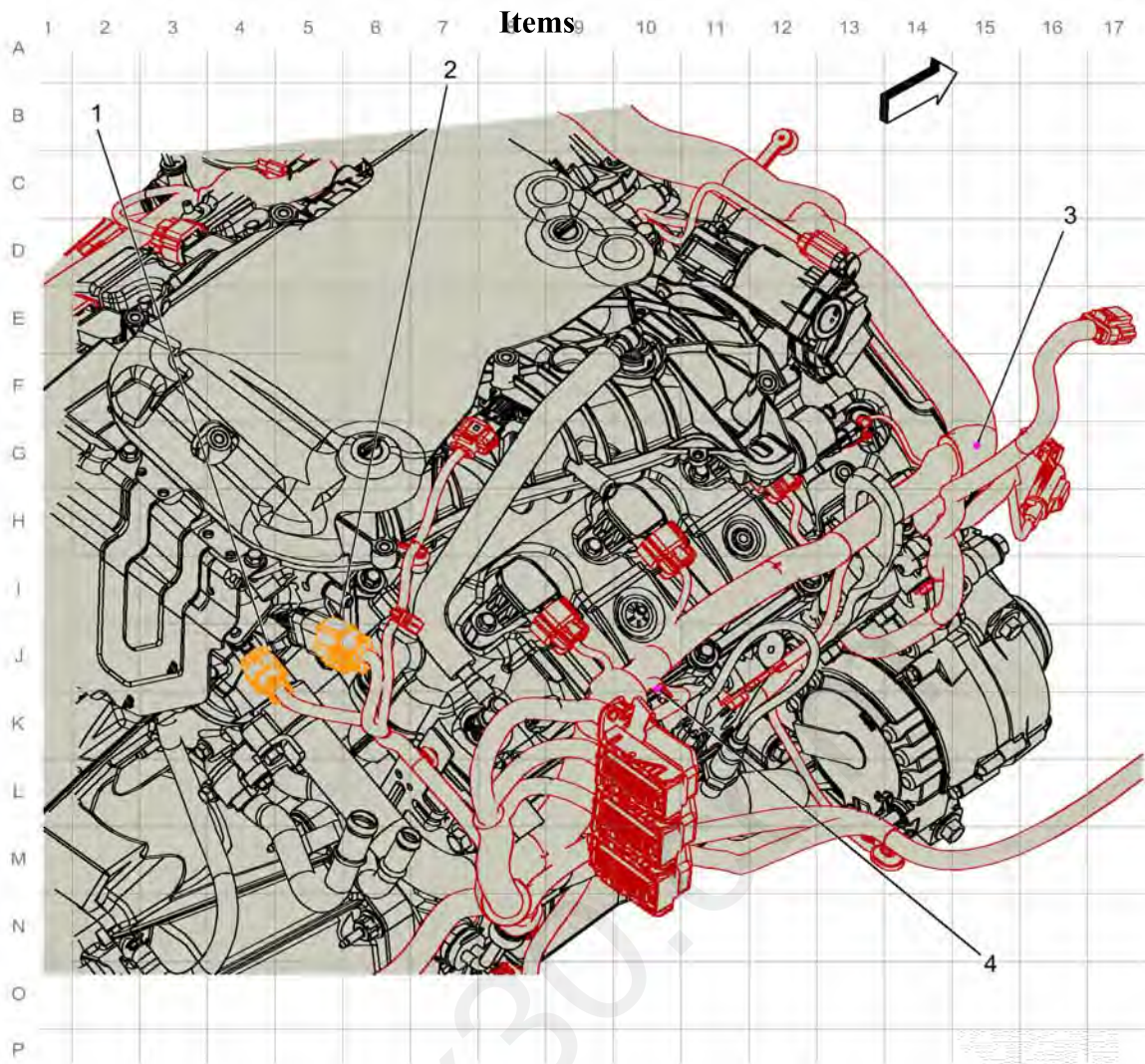


Fig. 10: Engine Harness Routing - Rear (LFX)
 Courtesy of GENERAL MOTORS COMPANY

Items

- X160 X160 Engine Harness to Fuel Injector - Odd Harness (LFX)
- X161 (LFX) X161 Engine Harness to Fuel Injector - Even Harness (LFX)
- J128
- J129

Engine Harness Routing - Top (LWN)

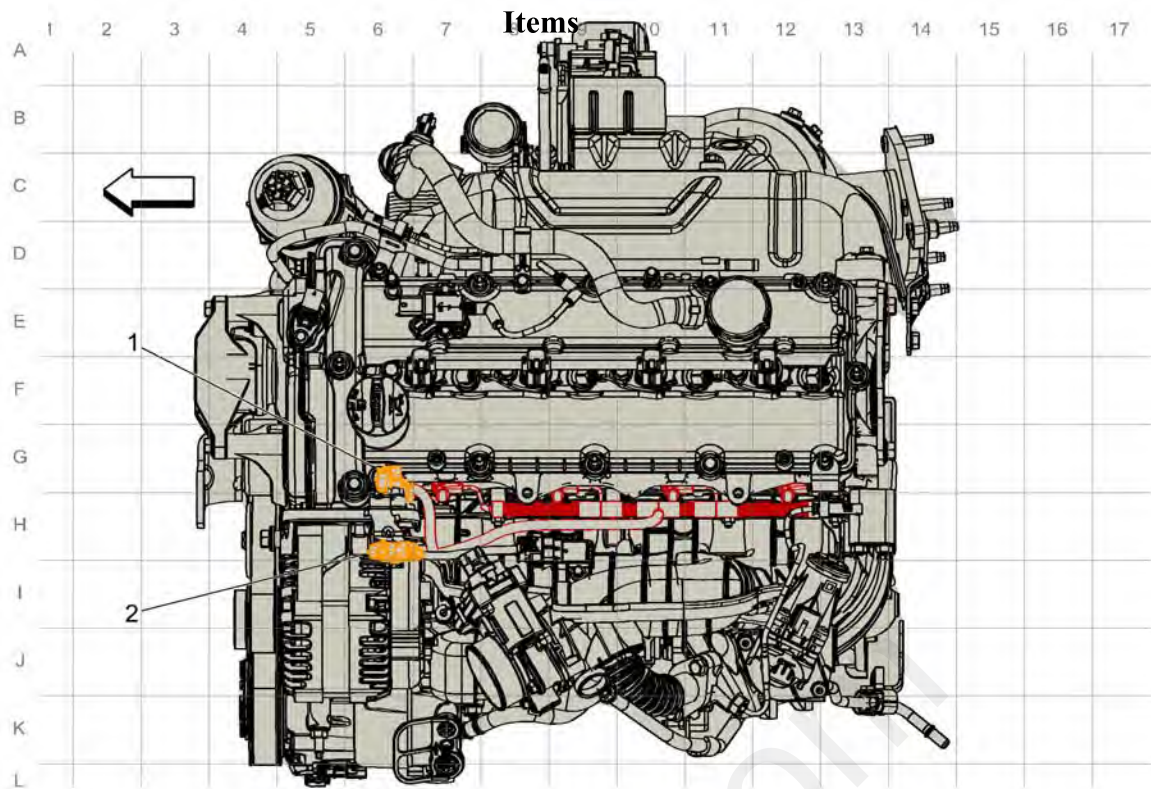


Fig. 11: Engine Harness Routing - Top (LWN)
 Courtesy of GENERAL MOTORS COMPANY

Items

X111 (LWN) X111 Engine Harness to Glow Plug Harness (LWN)

X112 (LWN) X112 Engine Harness to Intake Manifold Pressure Harness (LWN)

Engine Harness Routing - Left Front (LWN)

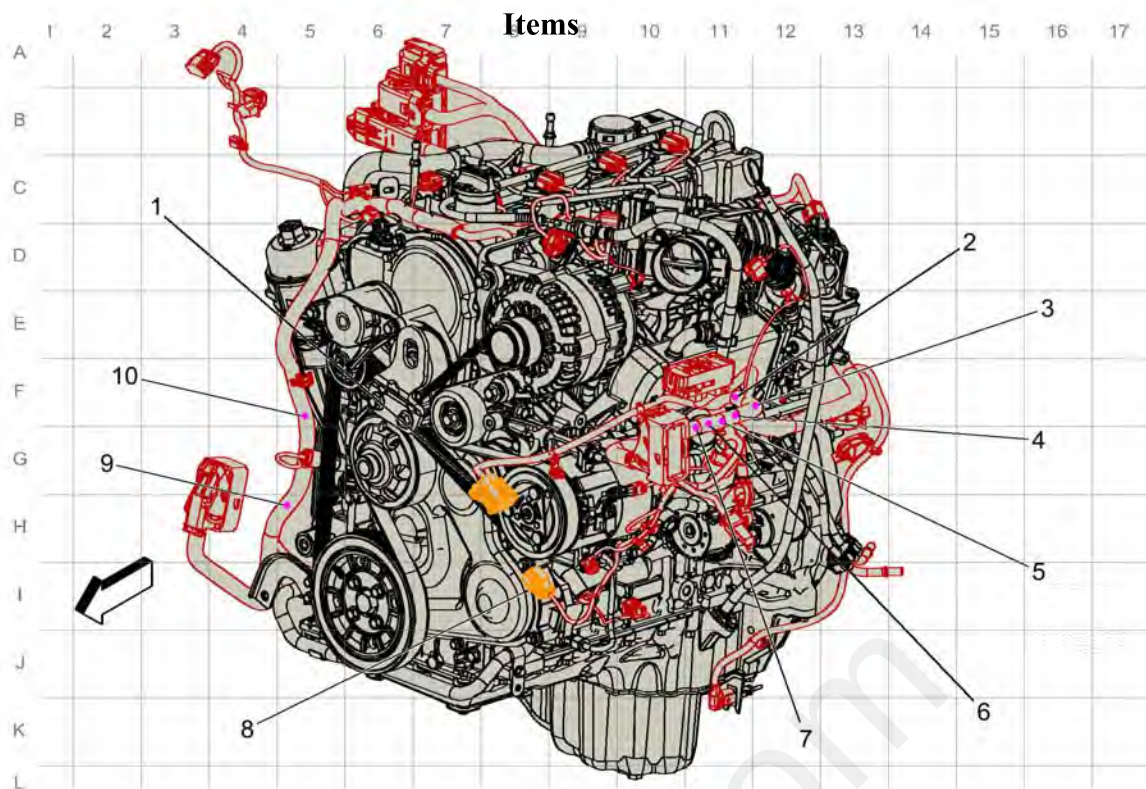


Fig. 12: Engine Harness Routing - Left Front (LWN)

Courtesy of GENERAL MOTORS COMPANY

Items	
X109 (LWN)	<u>X109 Engine Harness to Forward Lamp Harness (LWN)</u>
J120	
J127	
J126	
J125	
J106	
J110	
X108 (LWN)	<u>X108 Engine Harness to Cooling Fan Harness (LWN)</u>
J133	
J132	

Engine Harness Routing - Right Rear (LCV)

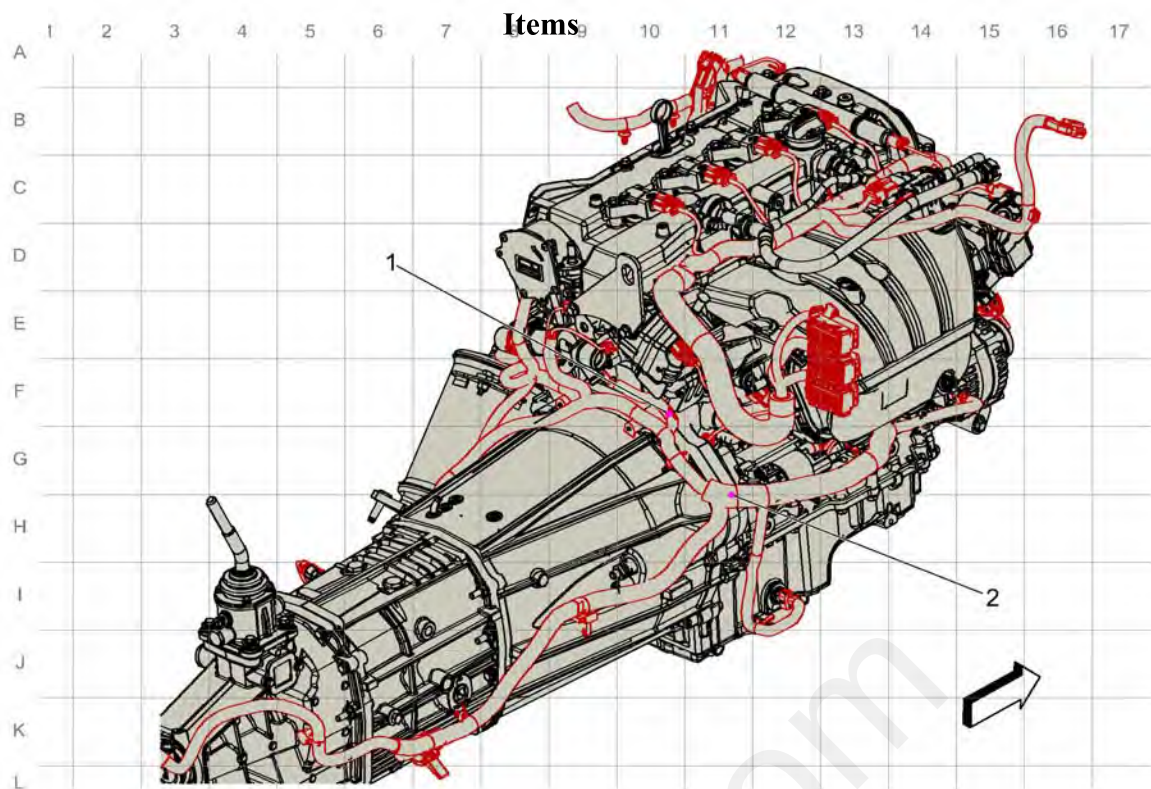


Fig. 13: Engine Harness Routing - Right Rear (LCV)

Courtesy of GENERAL MOTORS COMPANY

Items	
J128	
J129	

Engine Harness Routing - Right Rear (LWN)

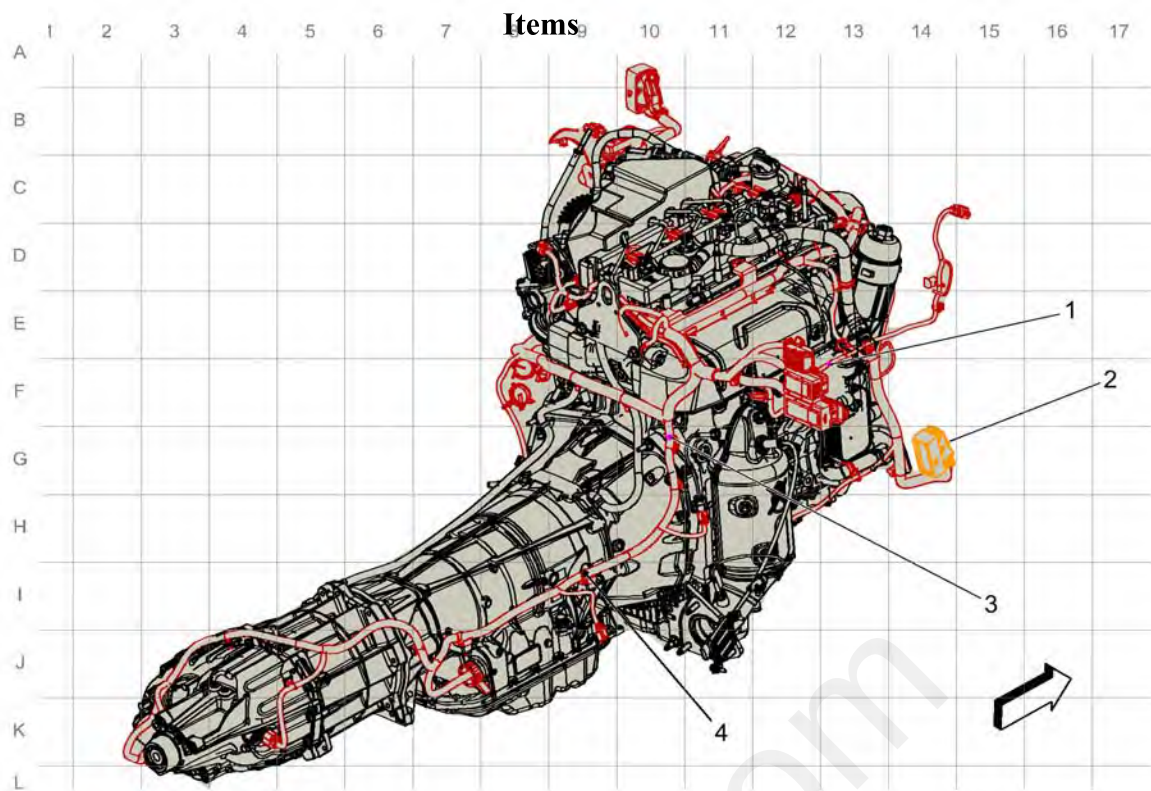


Fig. 14: Engine Harness Routing - Right Rear (LWN)

Courtesy of GENERAL MOTORS COMPANY

Items

J111
X107 (LWN) **X107 Engine Harness to Chassis Harness (LWN)**
J131
J109

Instrument Panel Harness Routing - Rear

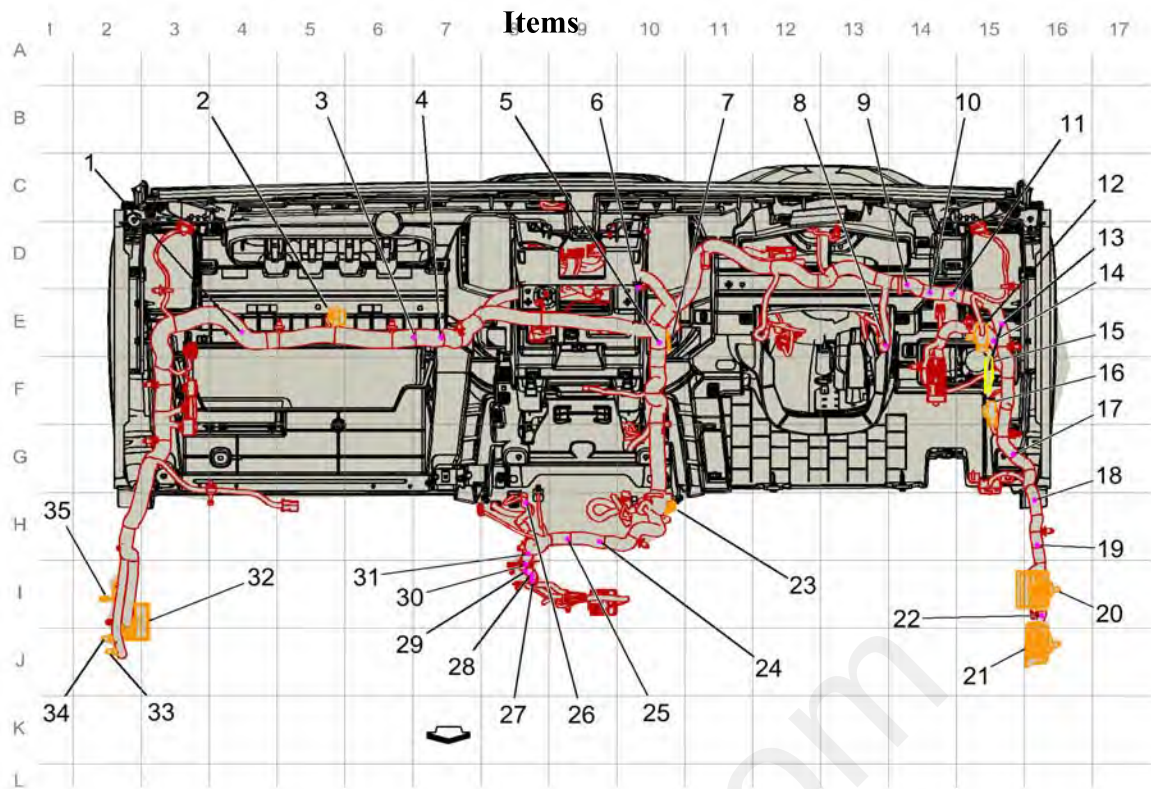


Fig. 15: Instrument Panel Harness Routing - Rear

Courtesy of GENERAL MOTORS COMPANY

	Items
J231	
X207	<u>X207 Instrument Panel Harness to Passenger Air Bag Extension Harness</u>
J229 (UQ3)	
J230 (UQ3)	
J253 (LWN)	
J237 (IO3/IO4+N8D)	
X206 (C68)	<u>X206 Instrument Panel Harness to HVAC Harness (C68)</u>
J221	
J219 (UQ3)	
J218 (UQ3)	
J220	
JX200	<u>JX200 Splice Pack</u>
J239	
J217 (KA1)	
X299	<u>X399 Instrument Panel Harness to Instrument Panel Harness</u>
J214	
J215	
J216	
X200	<u>X200 Body Harness to Instrument Panel Harness</u>
X202	<u>X202 Body Harness to Instrument Panel Harness</u>
J203	
X305	<u>X305 Instrument Panel Harness to Floor Console Harness</u>
J223	

Items

J222 (IO5/IO6)

J238 (IO3/IO4+N8D)

J228

J225

J227

J226 (IO4/IO5/IO6)

J224

X203 X203 Body Harness to Instrument Panel Harness

X220 (IO6) X220 Instrument Panel Harness to Body Harness

X219 (Except U2M) X219 Instrument Panel Harness to Body Harness

X218 (U2M) X218 Instrument Panel COAX Harness to Body COAX Harness

Center Console Harness Routing

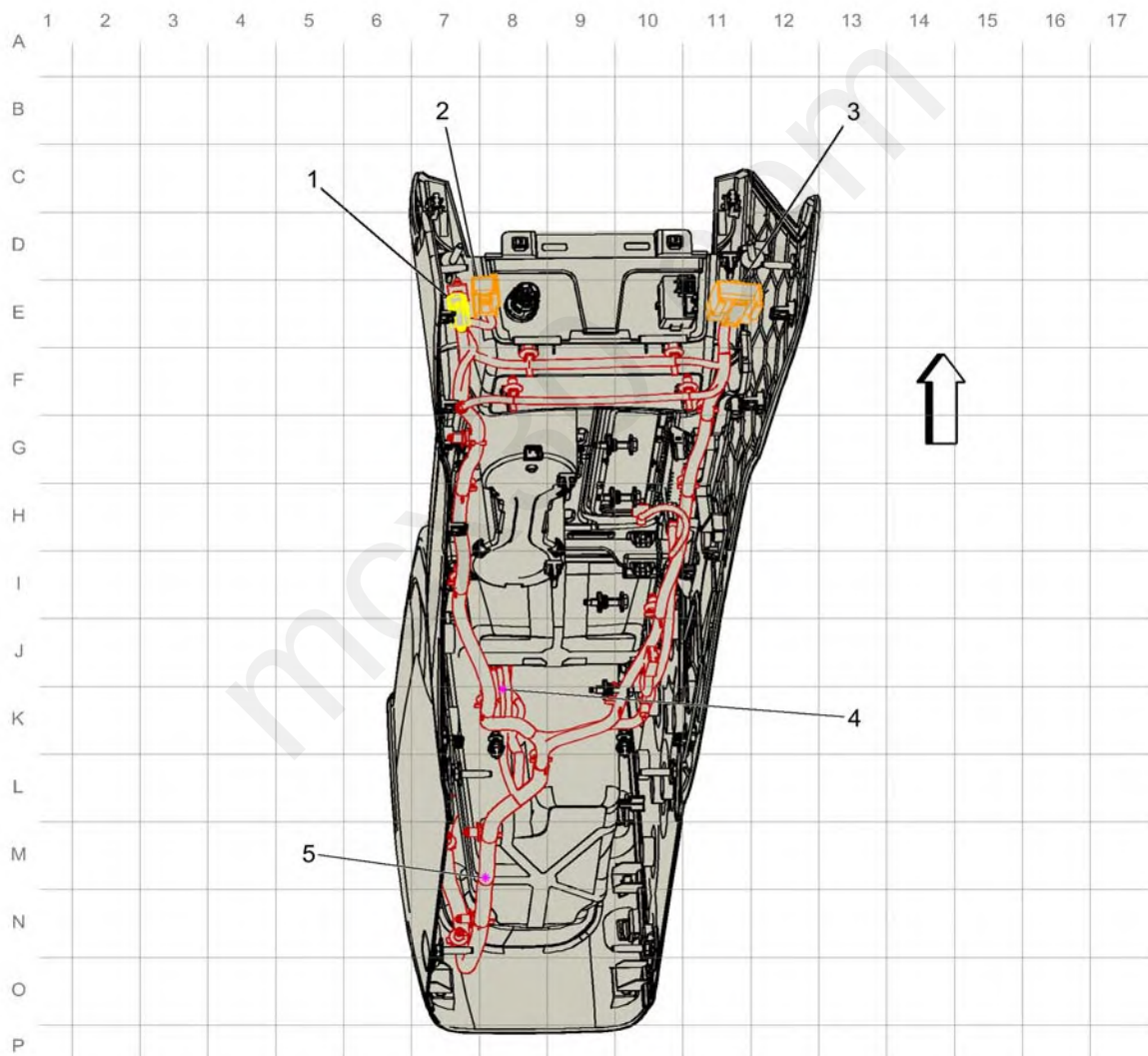


Fig. 16: Center Console Harness Routing

Courtesy of GENERAL MOTORS COMPANY

Items

X302 X302 Instrument Panel Harness to Floor Console Harness ((IO3/IO4)+N8D)

X306 (MYB) X306 Instrument Panel Harness to Floor Console Harness (MYB)

Items

X305 X305 Instrument Panel Harness to Floor Console Harness

J304 (IO3 with N8D)

J305

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

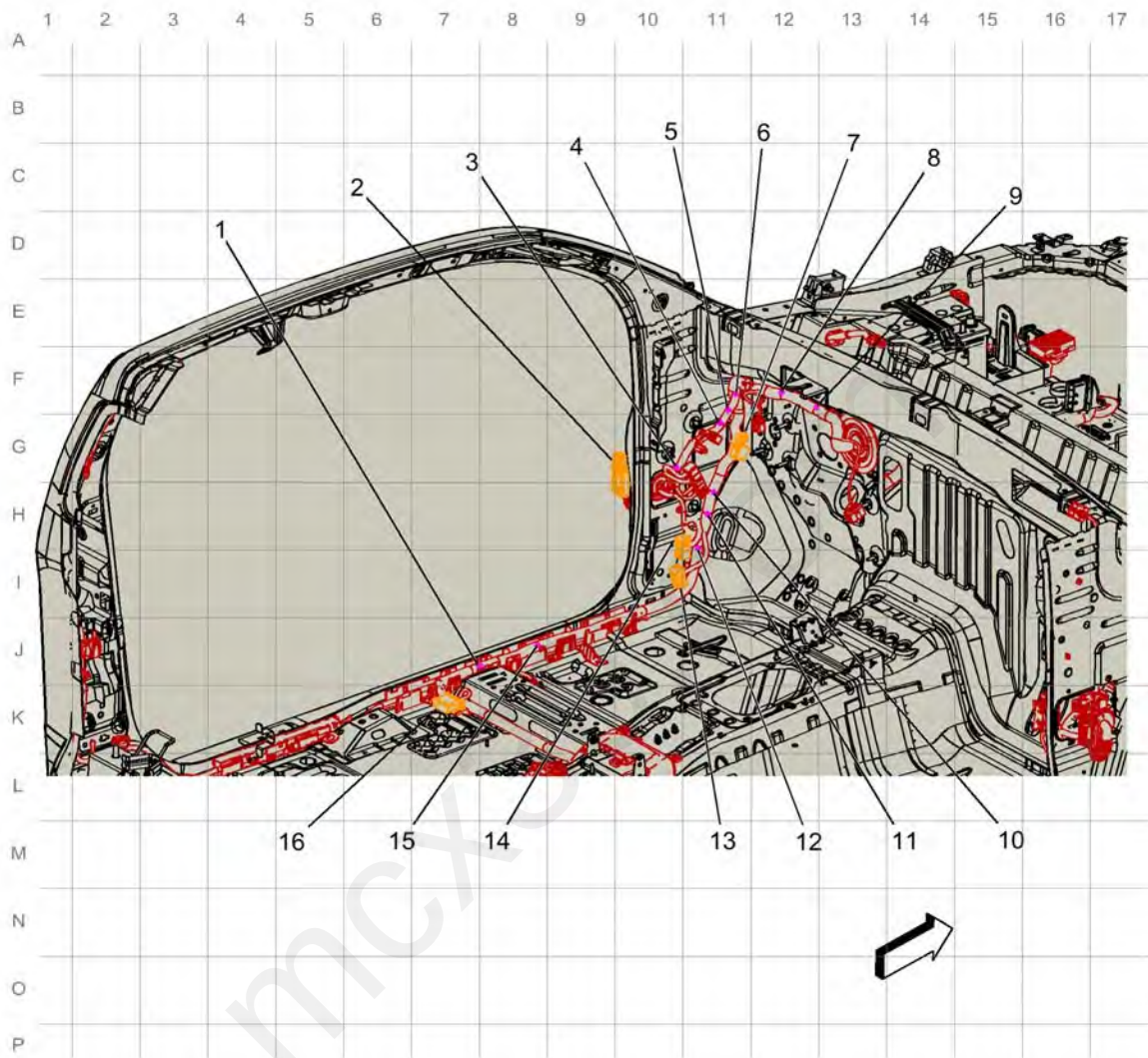


Fig. 17: Body Harness Routing - Left Front of Passenger Compartment (Extended Cab)

Courtesy of GENERAL MOTORS COMPANY

Items

J302 (Extended Cab)

X500 X500 Body Harness to Driver Door Harness

J204

J202

J205

J201

JX200 JX200 Splice Pack

J235

J200

J208

Items

J207

J206

X202 X202 Body Harness to Instrument Panel Harness

X200 X200 Body Harness to Instrument Panel Harness

J209

X310 X310 Driver Seat Cushion Harness to Body Harness

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

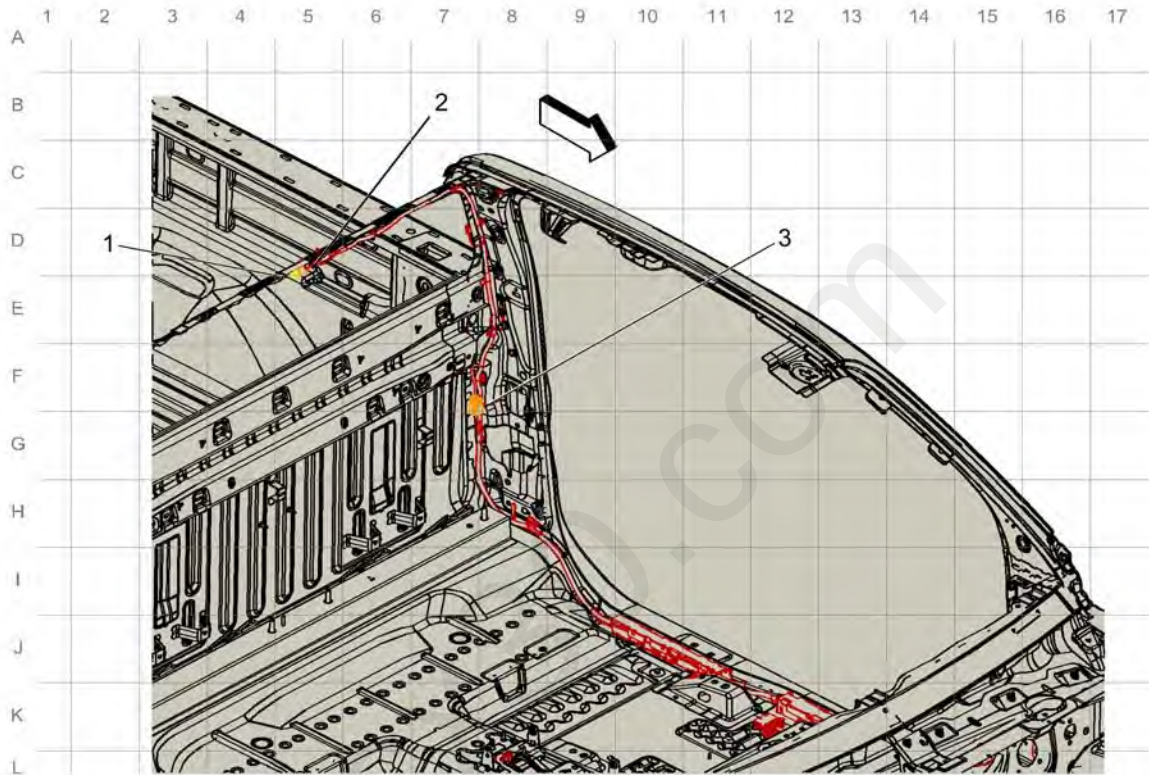


Fig. 18: Body Harness Routing - Left Rear of Passenger Compartment (Extended Cab)

Courtesy of GENERAL MOTORS COMPANY

Items

X301 X301 Headliner Harness to Body Harness

X303 X303 Body Harness to CHMSL Harness

X700 X700 Left Rear Door Harness to Body (Extended Cab)

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

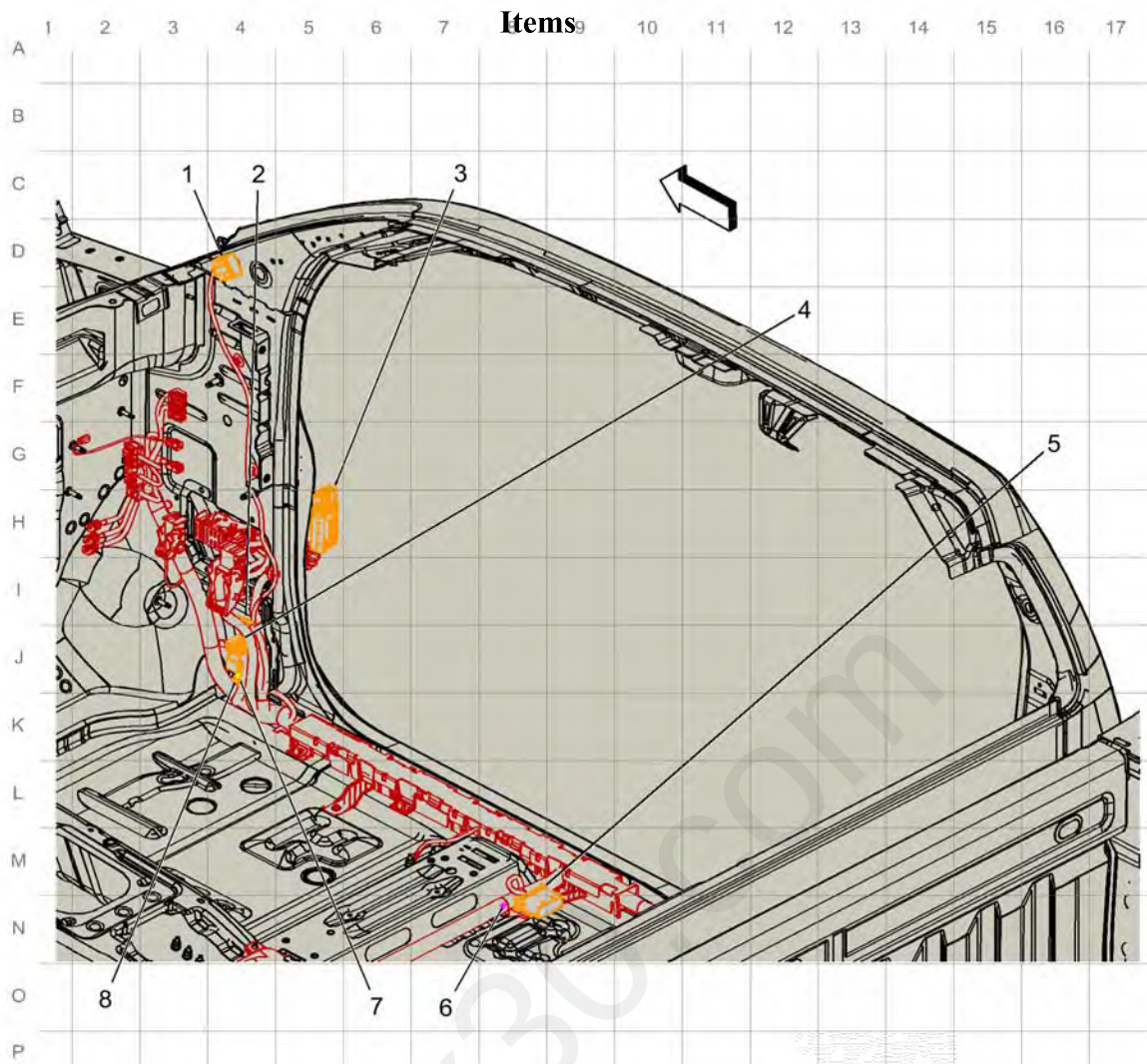


Fig. 19: Body Harness Routing - Right Front of Passenger Compartment (Extended Cab)
Courtesy of GENERAL MOTORS COMPANY

Items

- X300 **X300 Headliner Harness to Body Harness**
- X218 (U2M) **X218 Instrument Panel COAX Harness to Body COAX Harness**
- X600 **X600 Body Harness to Passenger Door Harness**
- X203 **X203 Body Harness to Instrument Panel Harness**
- X320 **X320 Passenger Seat Cushion Harness to Body Harness (Q)**
- J301
- X219 (Except U2M) **X219 Instrument Panel Harness to Body Harness**
- X220 (IO6) **X220 Instrument Panel Harness to Body Harness**

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

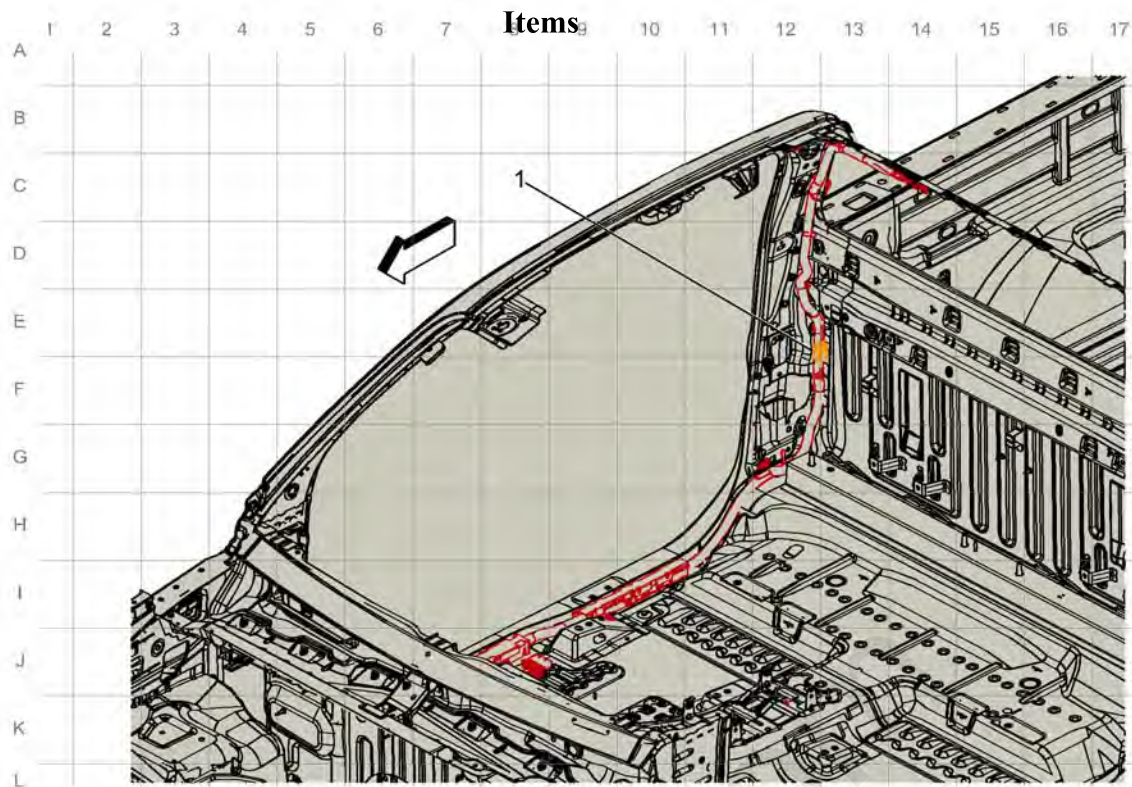


Fig. 20: Body Harness Routing - Right Rear of Passenger Compartment (Extended Cab)

Courtesy of GENERAL MOTORS COMPANY

Items

X800 X800 Right Rear Door Harness to Body Harness (Extended Cab)

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

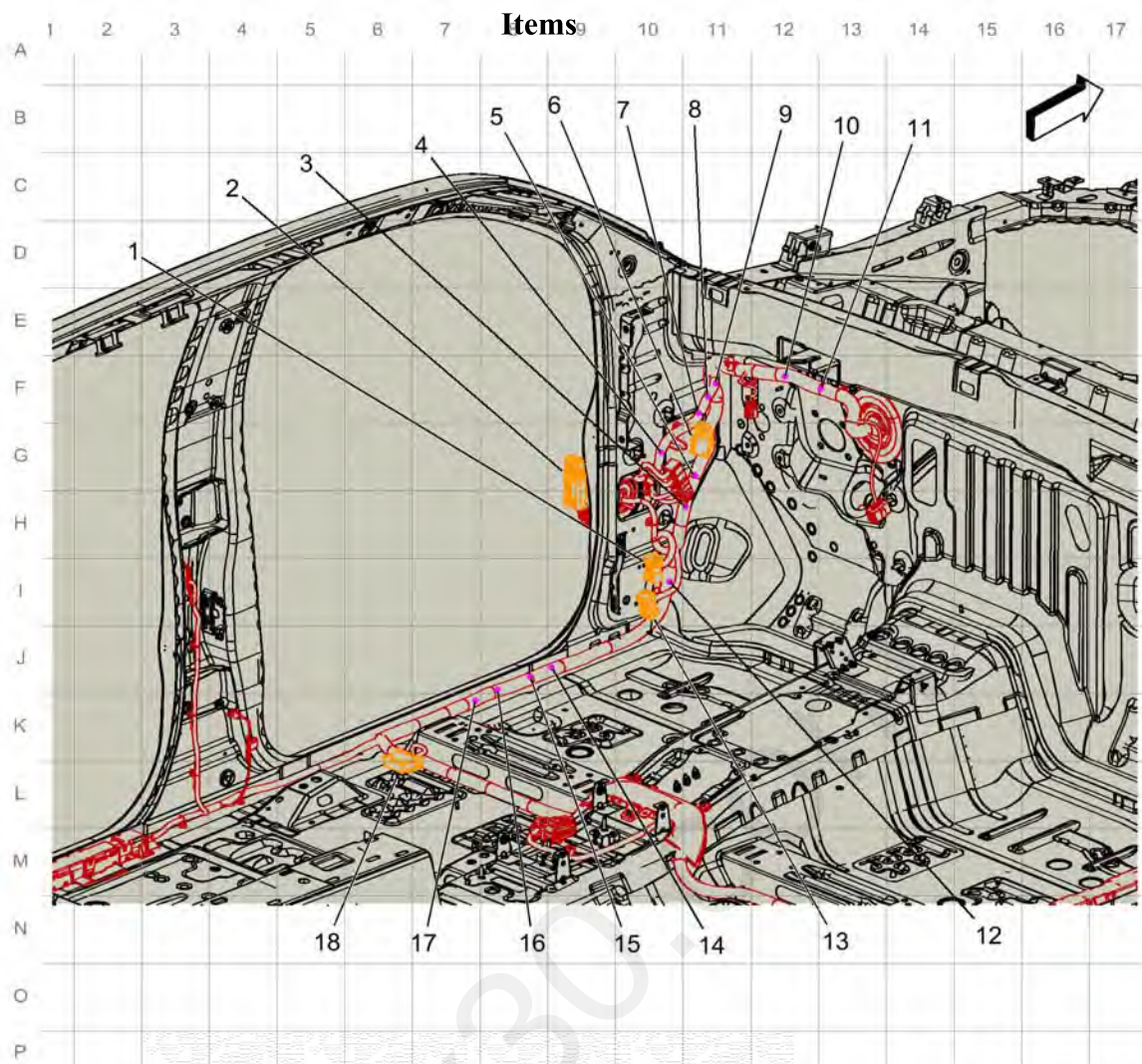


Fig. 21: Body Harness Routing - Left Front of Passenger Compartment (Crew Cab)
 Courtesy of GENERAL MOTORS COMPANY

Items

X200 X200 Body Harness to Instrument Panel Harness

X500 X500 Body Harness to Driver Door Harness

J207

J204

J208

JX201 JX201 Splice Pack

J202

J205

J201

J235

J200

J206

X202 X202 Body Harness to Instrument Panel Harness

J212 (Crew Cab)

J211 (Crew Cab)

J210 (Crew Cab)

Items

J209

X310 **X310 Driver Seat Cushion Harness to Body Harness**

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

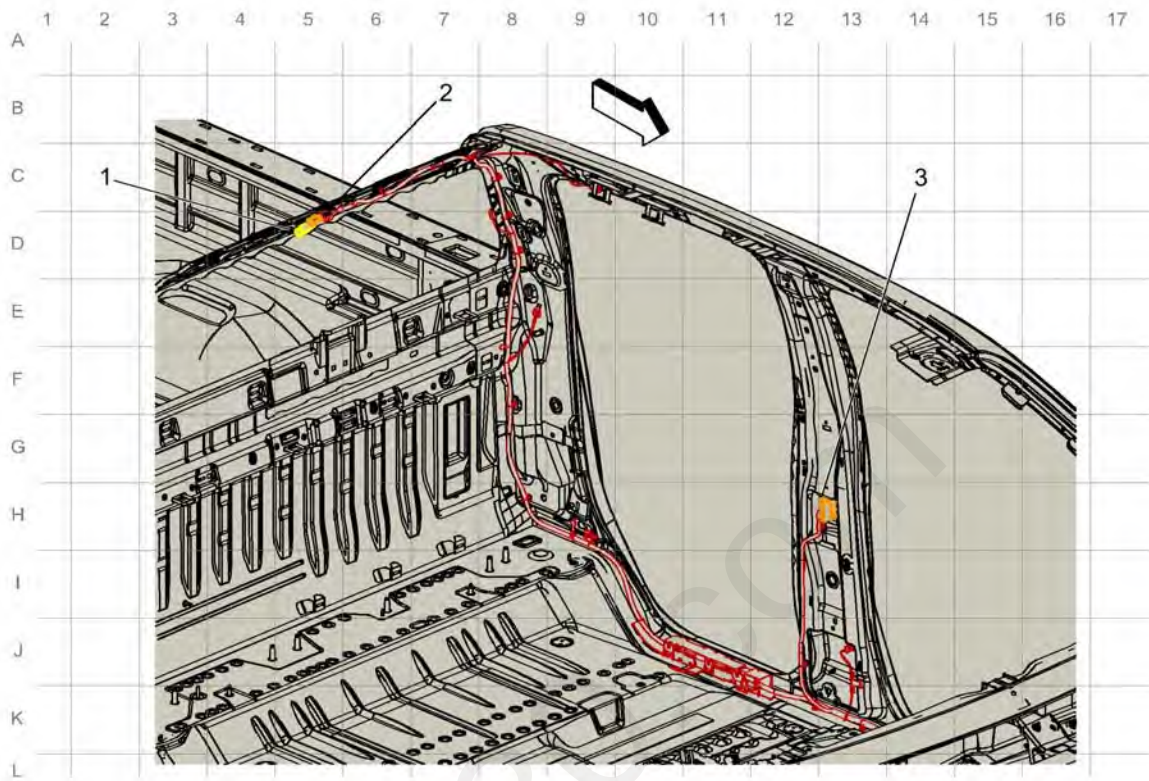


Fig. 22: Body Harness Routing - Left Rear of Passenger Compartment (Crew Cab)

Courtesy of GENERAL MOTORS COMPANY

Items

X301 **X301 Headliner Harness to Body Harness**

X303 **X303 Body Harness to CHMSL Harness**

X700 **X700 Left Rear Door Harness to Body (Crew Cab)**

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

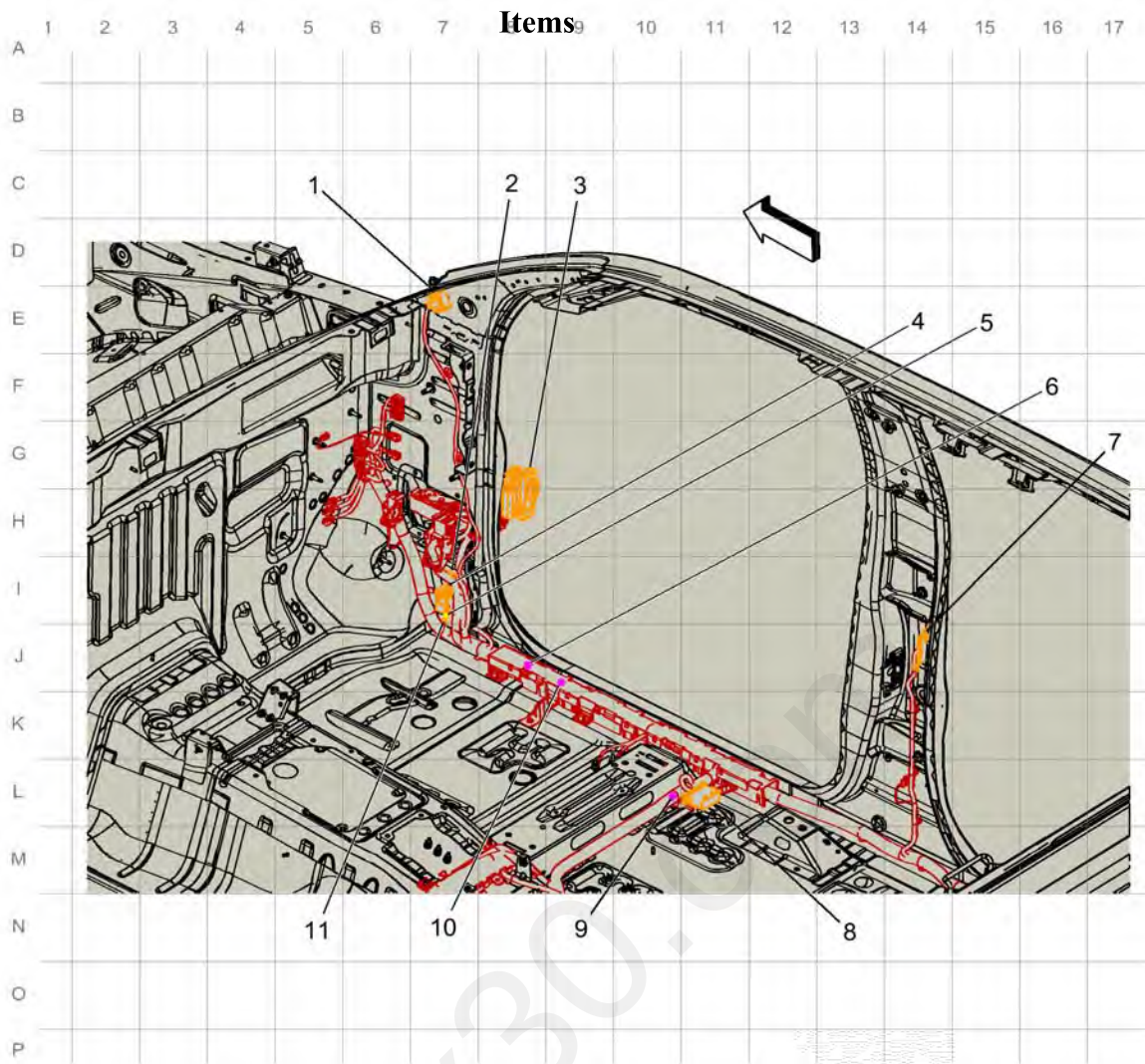


Fig. 23: Body Harness Routing - Right Front of Passenger Compartment (Crew Cab)

Courtesy of GENERAL MOTORS COMPANY

Items

- X300 X300 Headliner Harness to Body Harness
- X218 (U2M) X218 Instrument Panel COAX Harness to Body COAX Harness
- X600 X600 Body Harness to Passenger Door Harness
- X203 X203 Body Harness to Instrument Panel Harness
- X220 (IO6) X220 Instrument Panel Harness to Body Harness
- J213 (Crew Cab)
- X800 X800 Right Rear Door Harness to Body Harness (Crew Cab)
- X320 X320 Passenger Seat Cushion Harness to Body Harness
- J301
- J300 (Crew Cab)
- X219 (Except U2M) X219 Instrument Panel Harness to Body Harness

Driver Seat Harness Routing

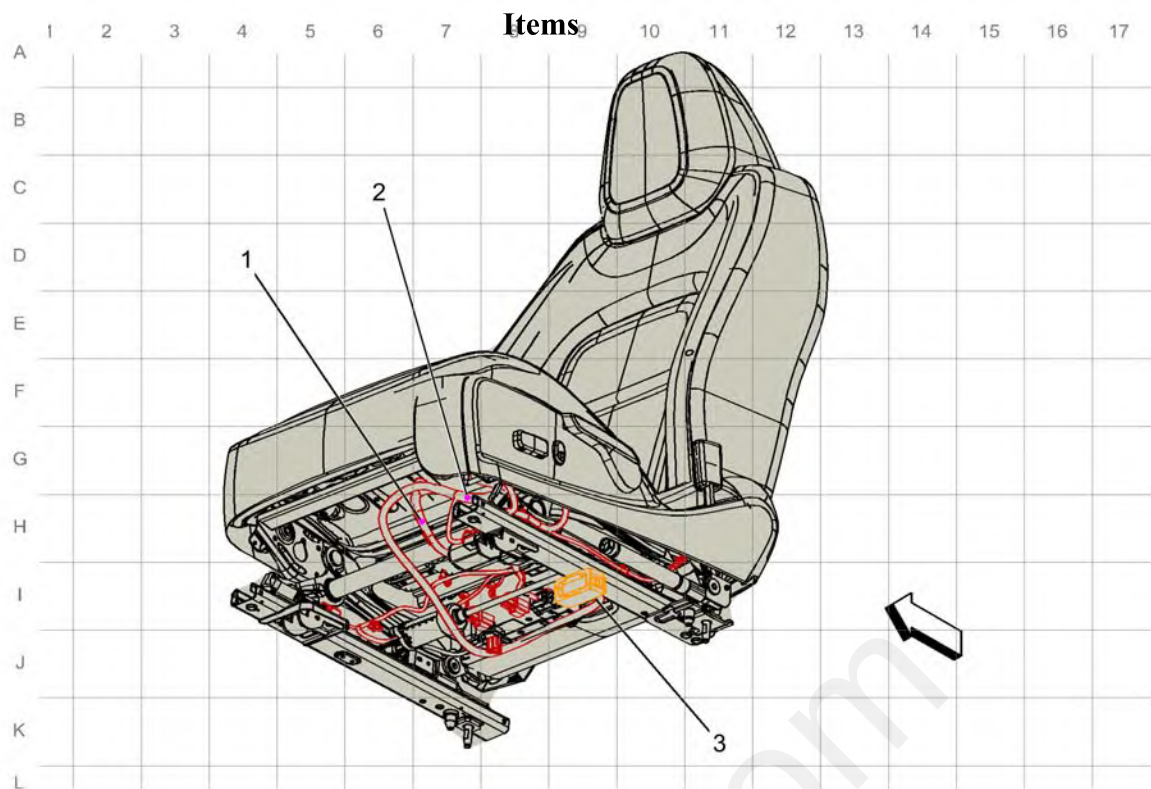


Fig. 24: Driver Seat Harness Routing

Courtesy of GENERAL MOTORS COMPANY

Items

J311 (AH6/AL9/KA1)

J309 (AL9)

X310 X310 Driver Seat Cushion Harness to Body Harness

Passenger Seat Harness Routing

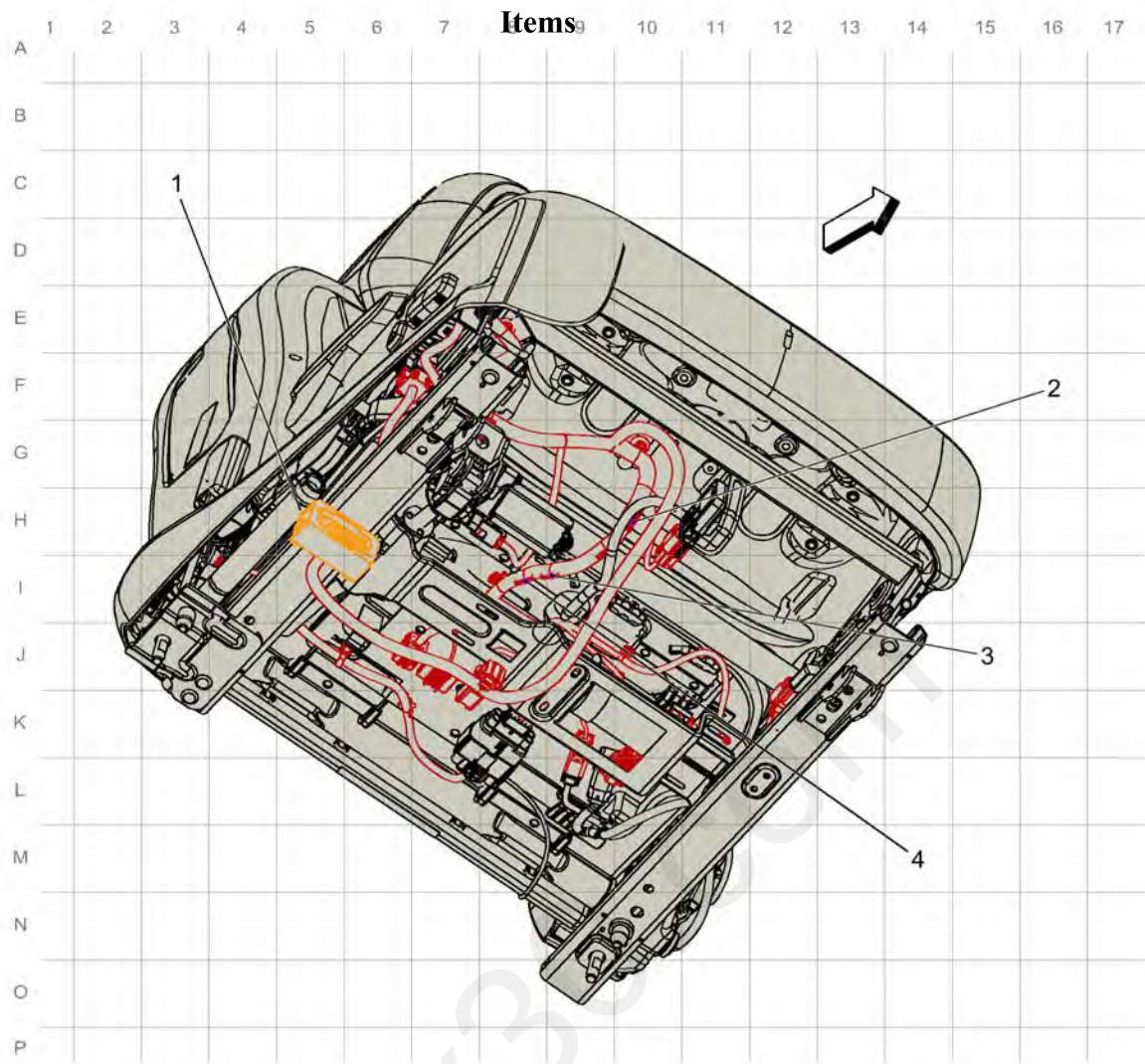


Fig. 25: Passenger Seat Harness Routing
 Courtesy of GENERAL MOTORS COMPANY

Items

X320 X320 Passenger Seat Cushion Harness to Body Harness

J310 (AT9)

J313 (AL0)

J312 (AAQ/AT9/KA1)

Driver Door Harness Routing

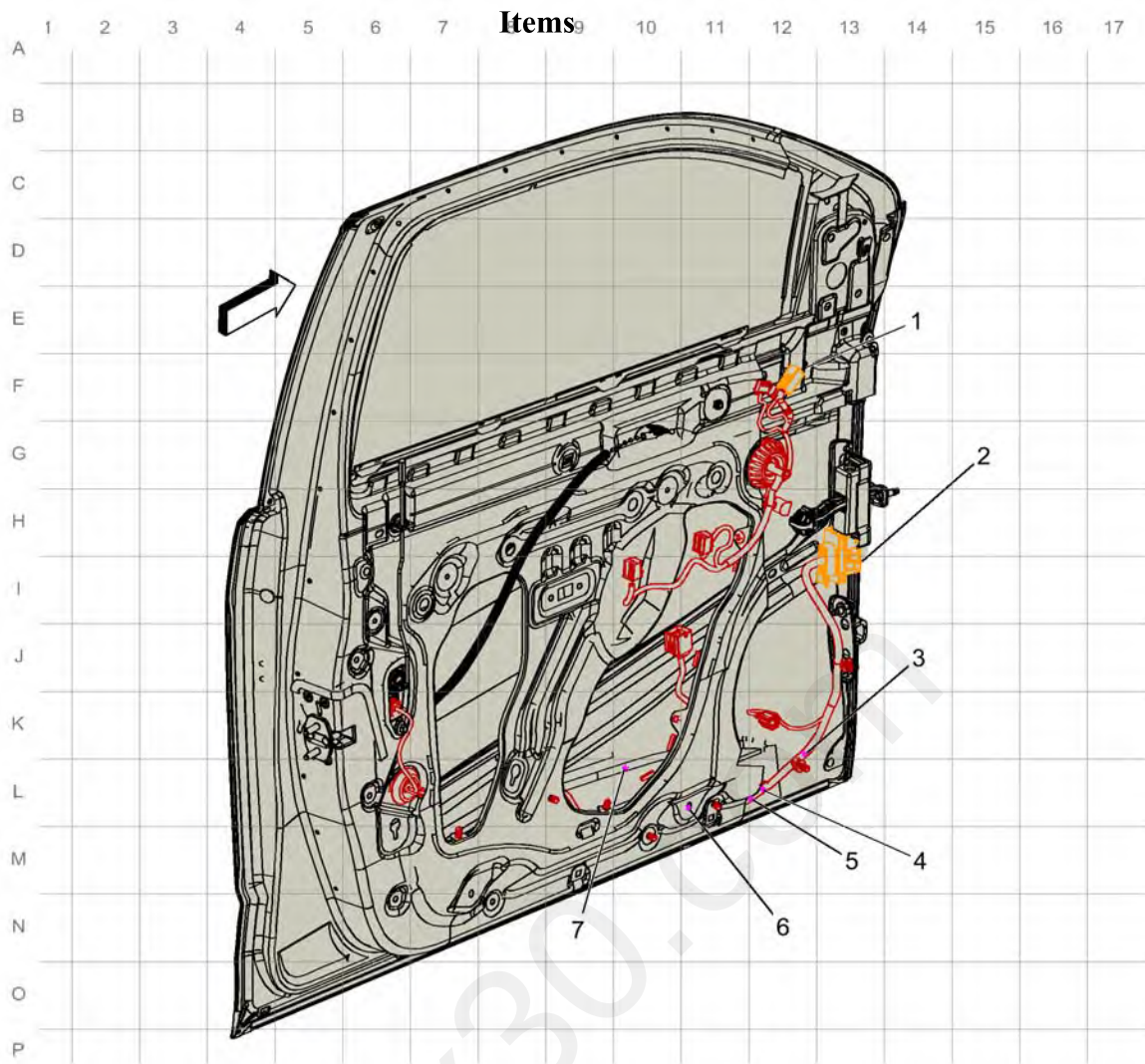


Fig. 26: Driver Door Harness Routing
 Courtesy of GENERAL MOTORS COMPANY

	Items
X510	<u>X510 Driver Outside Rearview Mirror Harness to Driver Door Harness</u>
X500	<u>X500 Body Harness to Driver Door Harness</u>
J504	
J505	
J503	
J501	
J502	

Passenger Door Harness Routing

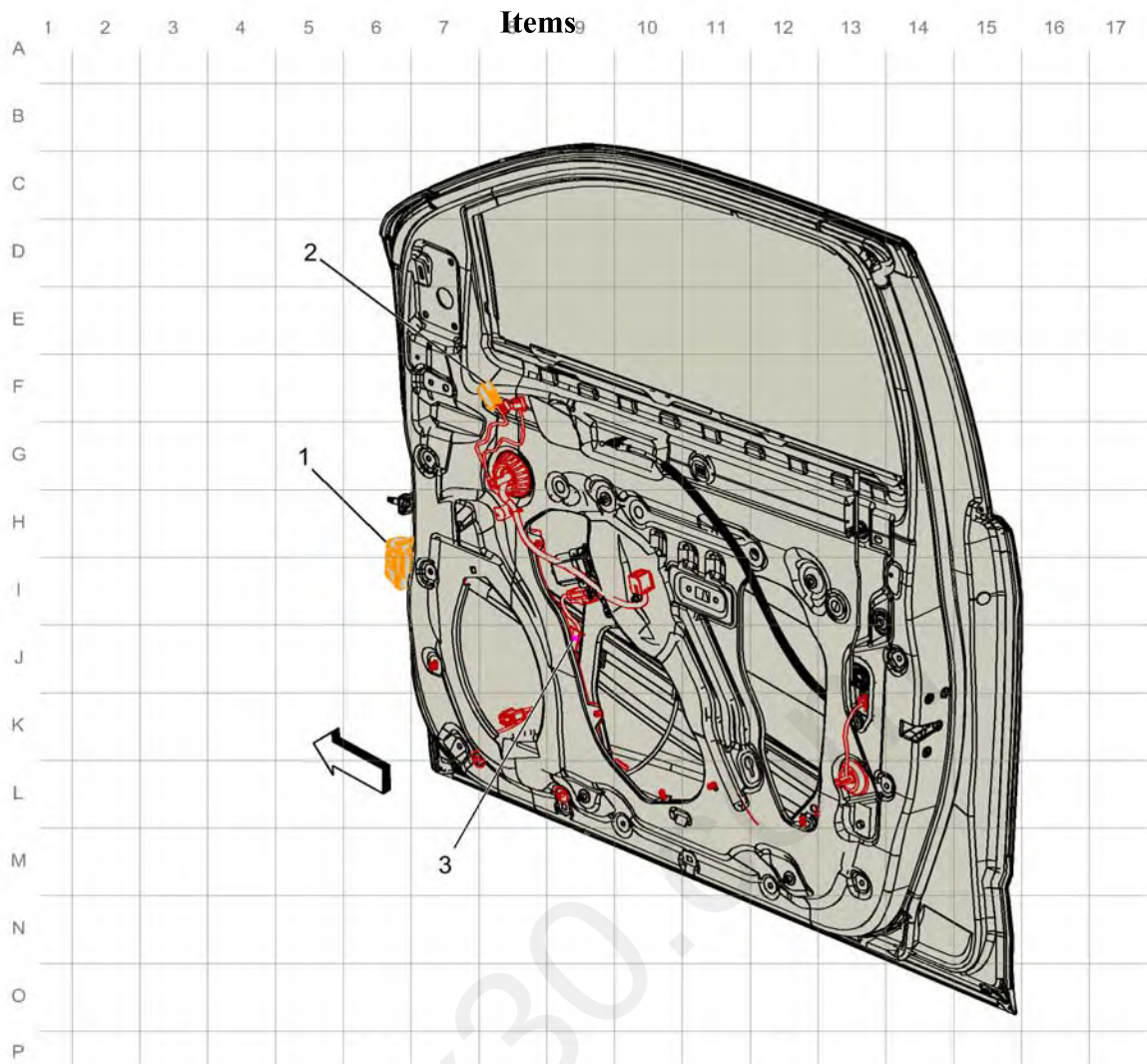


Fig. 27: Passenger Door Harness Routing
 Courtesy of GENERAL MOTORS COMPANY

Items

- X600 X600 Body Harness to Passenger Door Harness
 X610 X610 Passenger Outside Rearview Mirror Harness to Passenger Door Harness
 J600

Left Rear Door Harness Routing (Crew Cab)

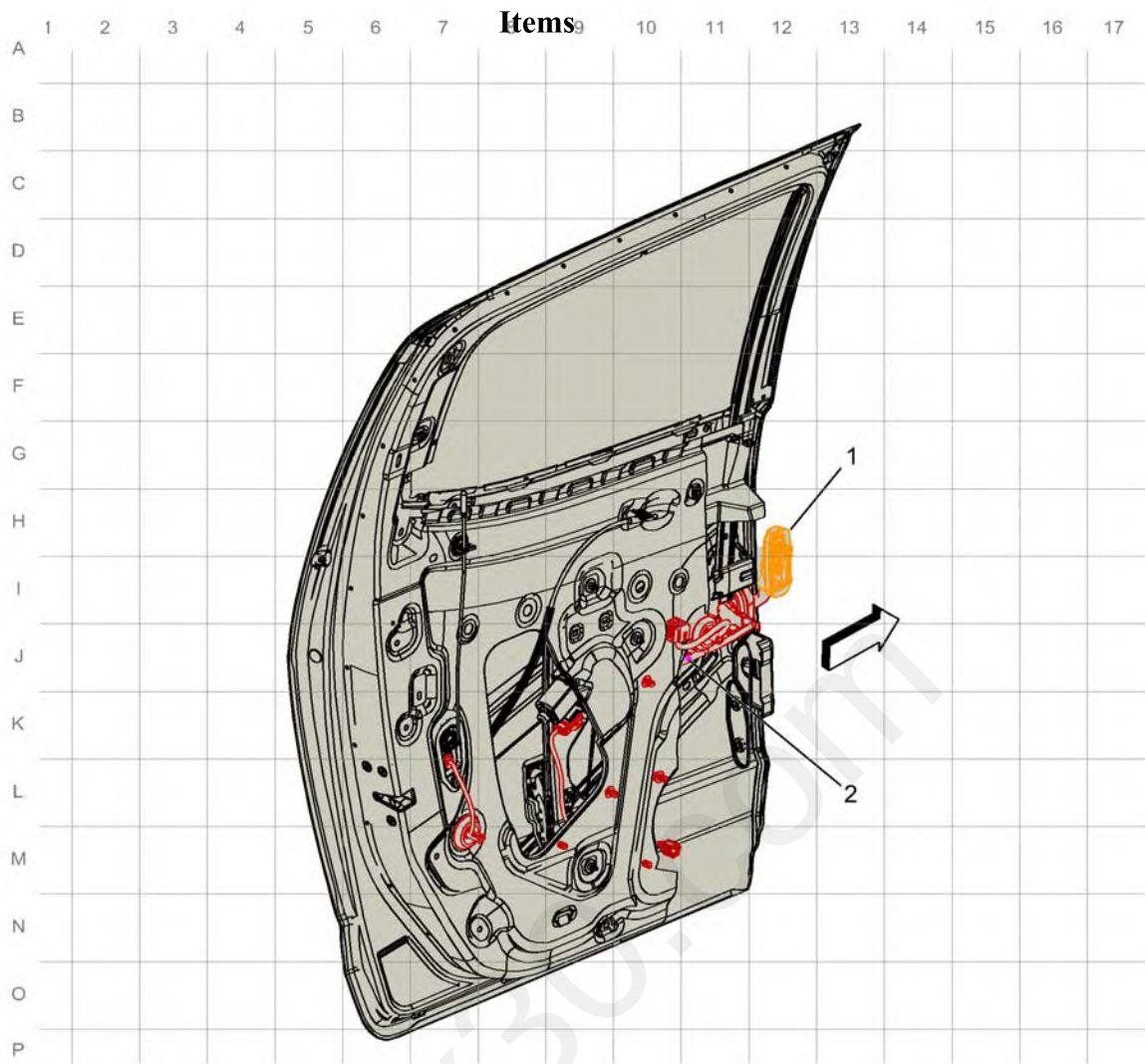


Fig. 28: Left Rear Door Harness Routing (Crew Cab)

Courtesy of GENERAL MOTORS COMPANY

Items

X700 X700 Left Rear Door Harness to Body (Crew Cab)

J701

Right Rear Door Harness Routing (Crew Cab)

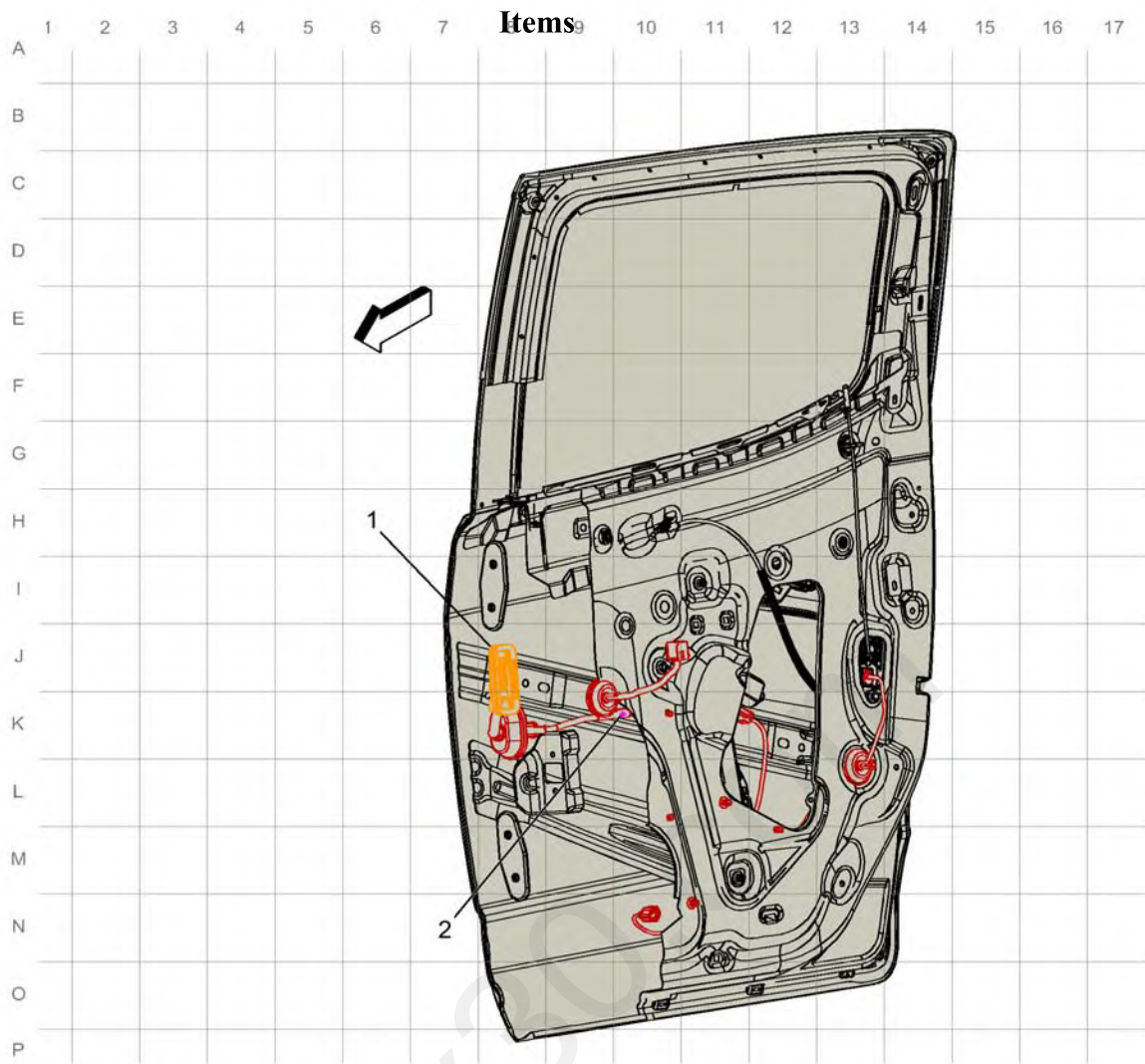


Fig. 29: Right Rear Door Harness Routing (Crew Cab)

Courtesy of GENERAL MOTORS COMPANY

Items

X800 X800 Right Rear Door Harness to Body Harness (Crew Cab)

J801

Left Rear Door Harness Routing (Extended Cab)

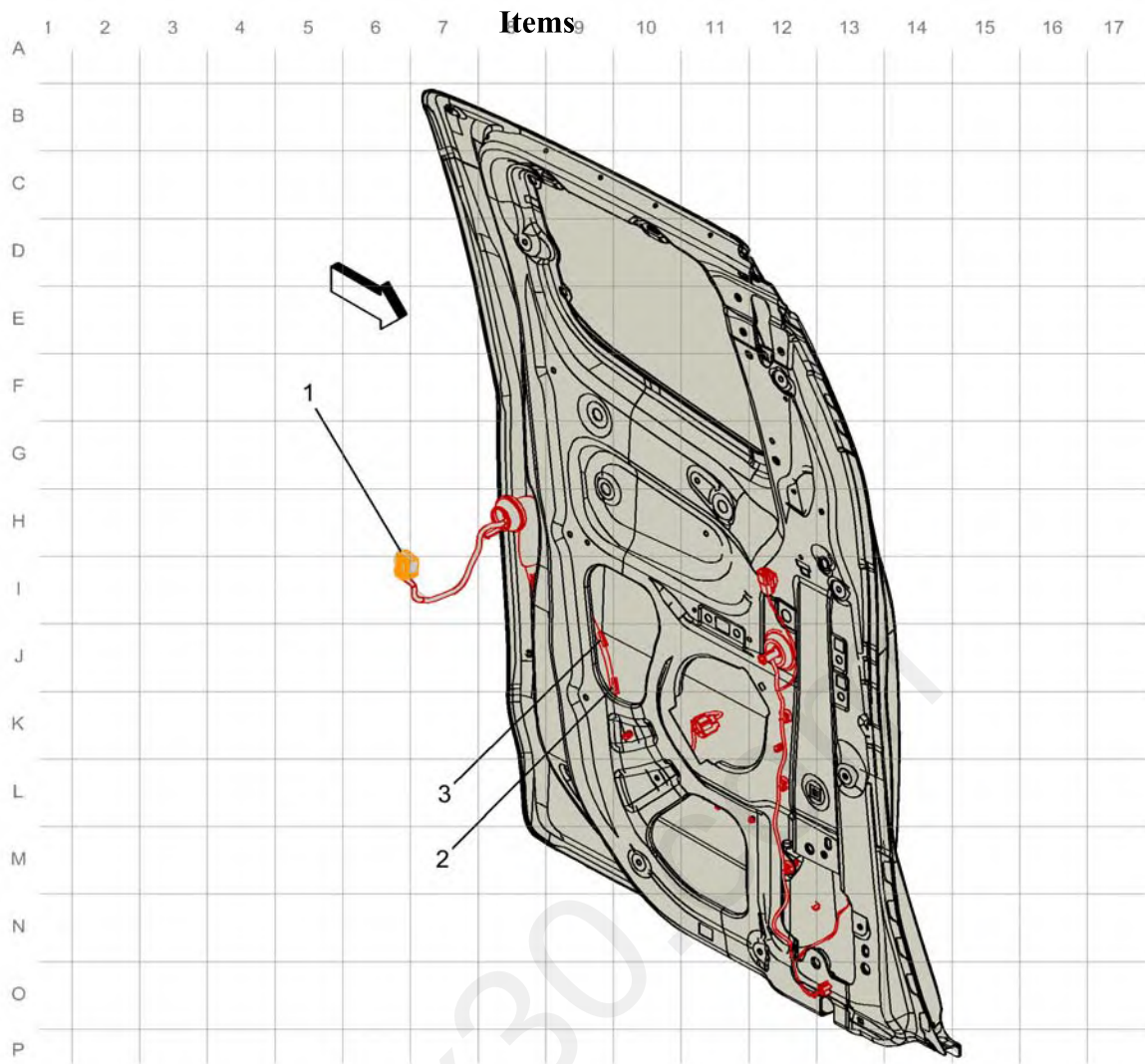


Fig. 30: Left Rear Door Harness Routing (Extended Cab)

Courtesy of GENERAL MOTORS COMPANY

Items

X700 **X700 Left Rear Door Harness to Body (Extended Cab)**

J701

J700 (Extended Cab)

Right Rear Door Harness Routing (Extended Cab)

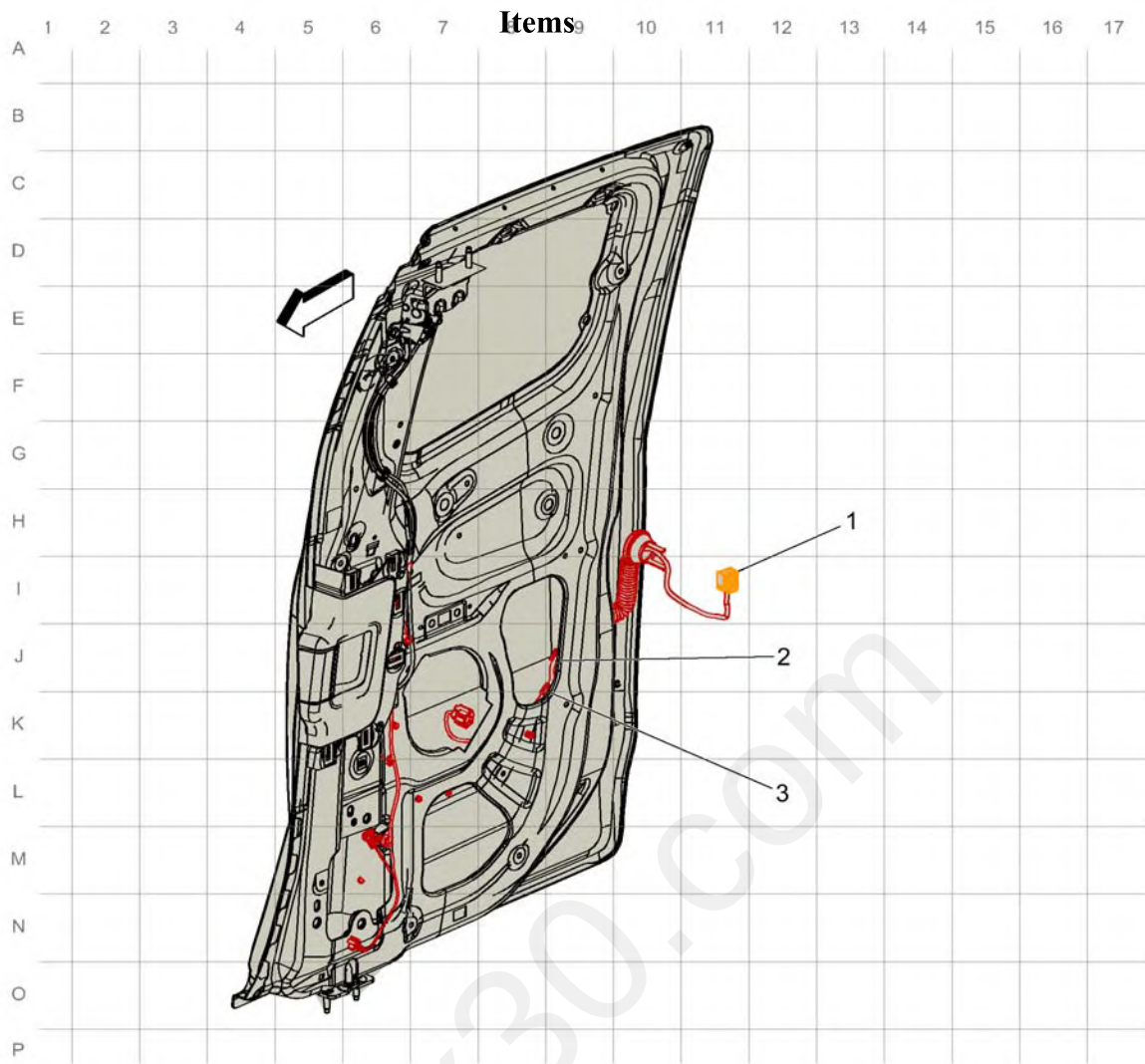


Fig. 31: Right Rear Door Harness Routing (Extended Cab)

Courtesy of GENERAL MOTORS COMPANY

Items

X800 X800 Right Rear Door Harness to Body Harness (Extended Cab)

J800 (Extended Cab)

J801

Headliner Harness Routing (Crew Cab)

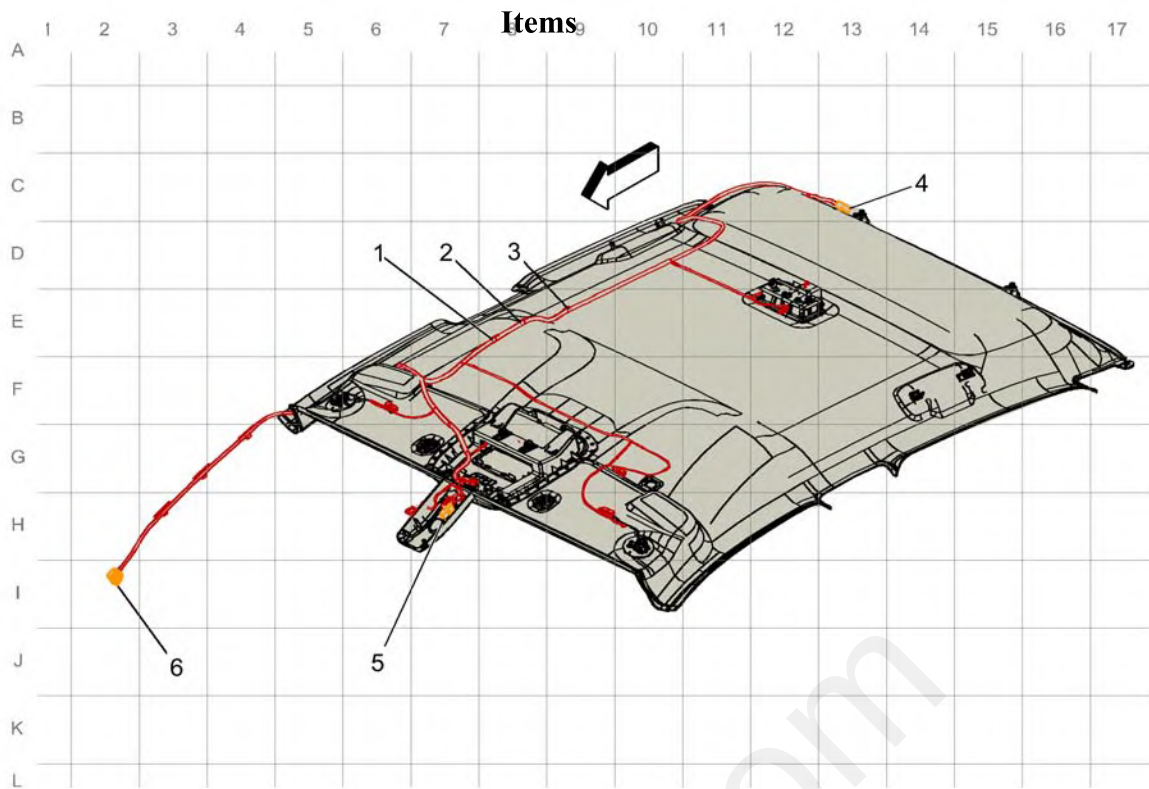


Fig. 32: Headliner Harness Routing (Crew Cab)

Courtesy of GENERAL MOTORS COMPANY

Items
J307
J306
J308
X301 <u>X301 Headliner Harness to Body Harness</u>
X304 (C68) <u>X304 Windshield Sensor Harness to Headliner Harness (C68)</u>
X300 <u>X300 Headliner Harness to Body Harness</u>

Headliner Harness Routing (Extended Cab)

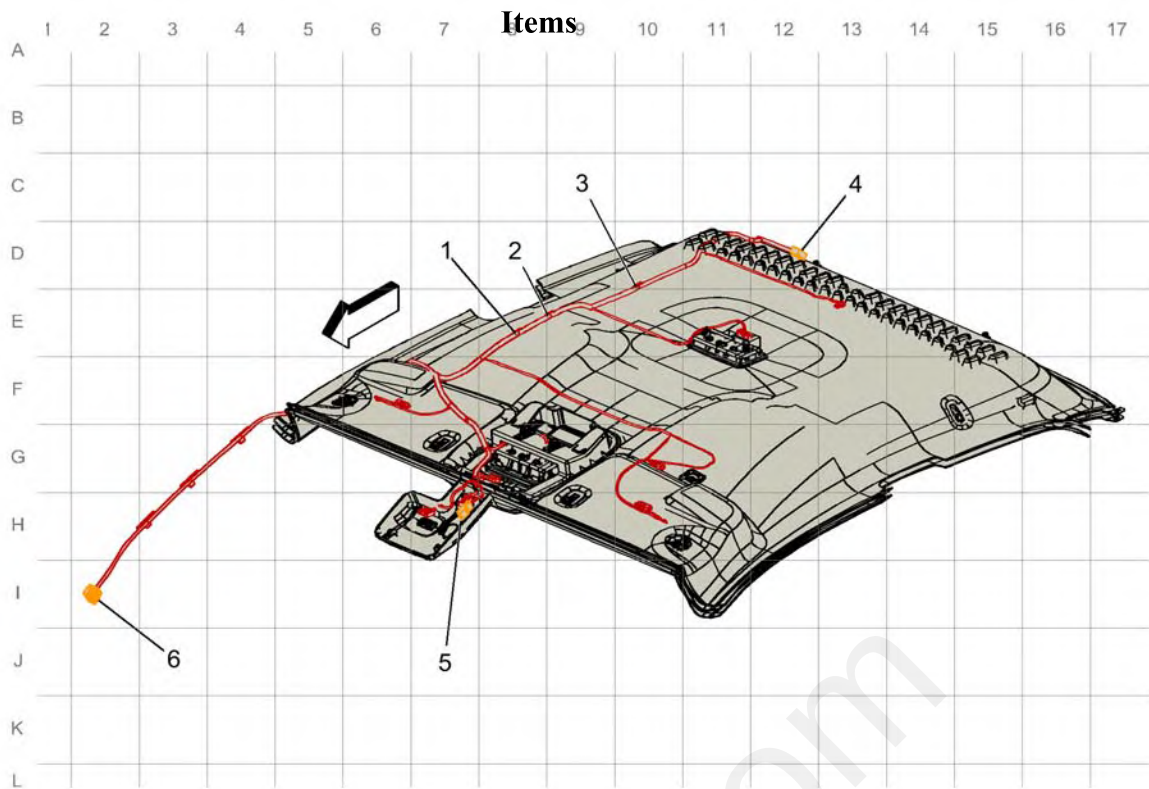


Fig. 33: Headliner Harness Routing (Extended Cab)

Courtesy of GENERAL MOTORS COMPANY

	Items
J307	
J306	
J308	
X301	<u>X301 Headliner Harness to Body Harness</u>
X304 (C68)	<u>X304 Windshield Sensor Harness to Headliner Harness (C68)</u>
X300	<u>X300 Headliner Harness to Body Harness</u>

Chassis Harness Routing (Crew Cab)

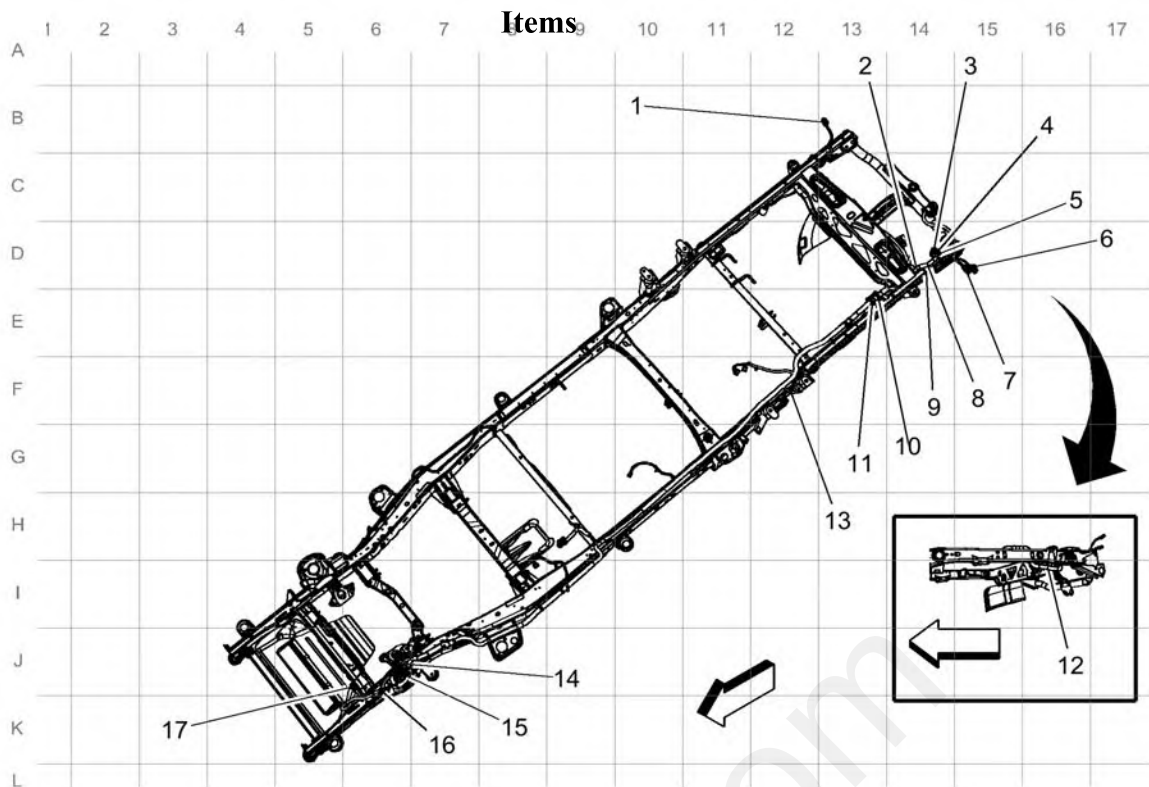


Fig. 34: Chassis Harness Routing (Crew Cab)
 Courtesy of GENERAL MOTORS COMPANY

	Items
X420	<u>X420 Tail Lamp - Right Harness to Chassis Harness</u>
J402	
X400	<u>X400 Chassis Harness to License Lamp Harness</u>
J412	
J411	
X401 (S0Y)	<u>X401 Chassis Harness to Chassis Harness (S0Y)</u>
X410	<u>X410 Tail Lamp - Left Harness to Chassis Harness</u>
J400	
J420 (LWN)	
J403 (LFX)	
J405 (LCV/LFX)	
J401 (LCV/LFX)	
J404	
J105	
X106	<u>X106 Body Harness to Chassis Harness (LCV/LFX) X106 Body Harness to Chassis Harness (LWN)</u>
J104	
X103	<u>X103 Chassis Harness to Power Steering Harness</u>

Chassis Harness Routing (Extended Cab)

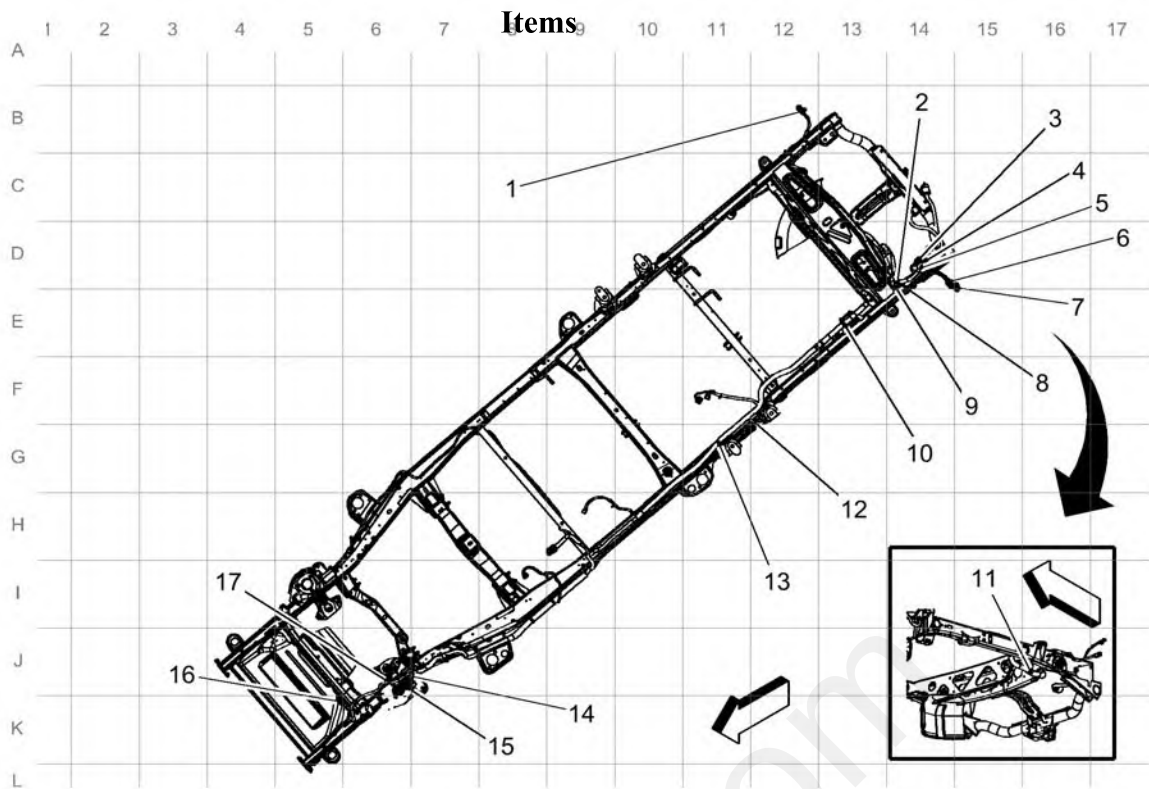


Fig. 35: Chassis Harness Routing (Extended Cab)

Courtesy of GENERAL MOTORS COMPANY

	Items
X420	<u>X420 Tail Lamp - Right Harness to Chassis Harness</u>
J400	
X400	<u>X400 Chassis Harness to License Lamp Harness</u>
J412	
J411	
X410	<u>X410 Tail Lamp - Left Harness to Chassis Harness</u>
X401 (S0Y)	<u>X401 Chassis Harness to Chassis Harness (S0Y)</u>
J420 (LWN)	
J401 (LCV/LFX)	
J403 (LFX)	
J402	
J404	
J405 (LCV/LFX)	
J105	
X106	<u>X106 Body Harness to Chassis Harness (LCV/LFX)</u> <u>X106 Body Harness to Chassis Harness (LWN)</u>
X103	<u>X103 Chassis Harness to Power Steering Harness</u>
J104	

Chassis Harness Routing (LWN)

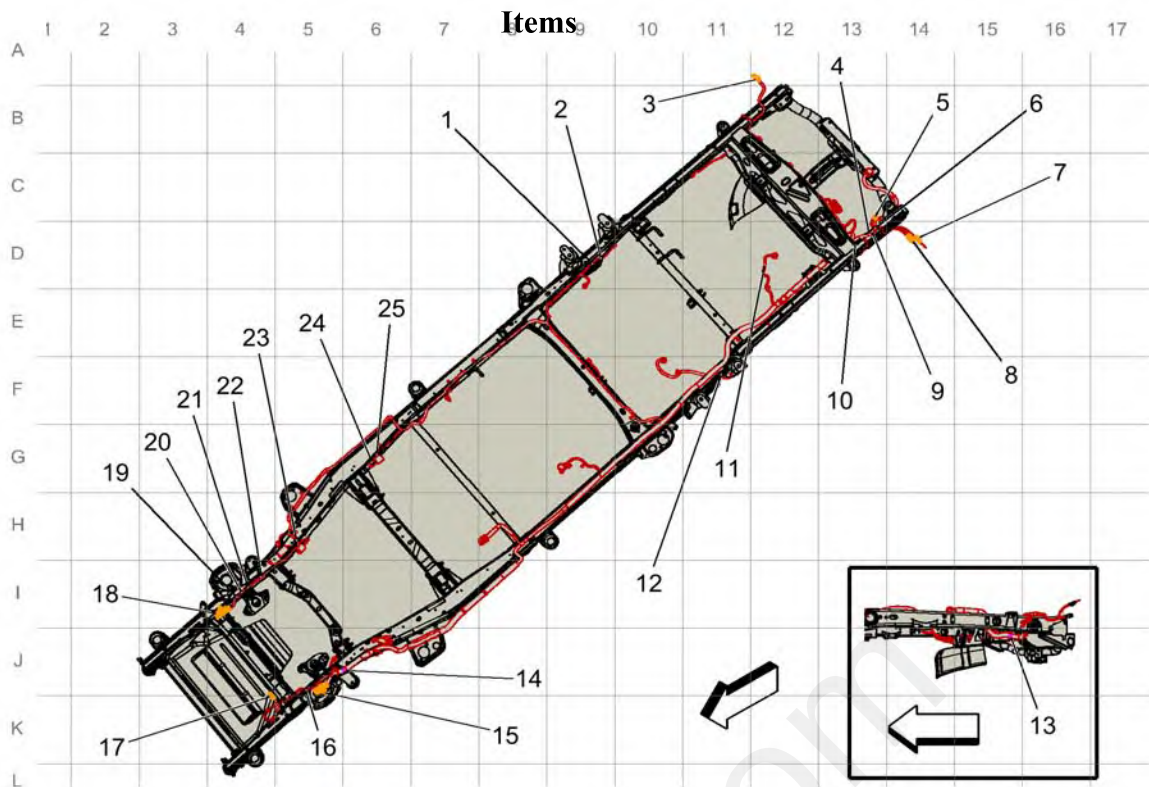


Fig. 36: Chassis Harness Routing (LWN)
 Courtesy of GENERAL MOTORS COMPANY

	Items
J418 (LWN)	
J419 (LWN)	
X420	<u>X420 Tail Lamp - Right Harness to Chassis Harness</u>
J400	
X400	<u>X400 Chassis Harness to License Lamp Harness</u>
J412	
X401 (S0Y)	<u>X401 Chassis Harness to Chassis Harness (S0Y)</u>
X410	<u>X410 Tail Lamp - Left Harness to Chassis Harness</u>
J411	
J415 (LWN)	
J424 (LWN)	
J404	
J402	
J105	
X106	<u>X106 Body Harness to Chassis Harness (LCV/LFX) X106 Body Harness to Chassis Harness (LWN)</u>
J104	
X103	<u>X103 Chassis Harness to Power Steering Harness</u>
X107 (LWN)	<u>X107 Engine Harness to Chassis Harness (LWN)</u>
J410 (LWN)	
J423 (LWN)	
J420 (LWN)	
J421 (LWN)	

Items

J416 (LWN)

J422 (LWN)

J417 (LWN)

Chassis Harness Routing (S0Y)

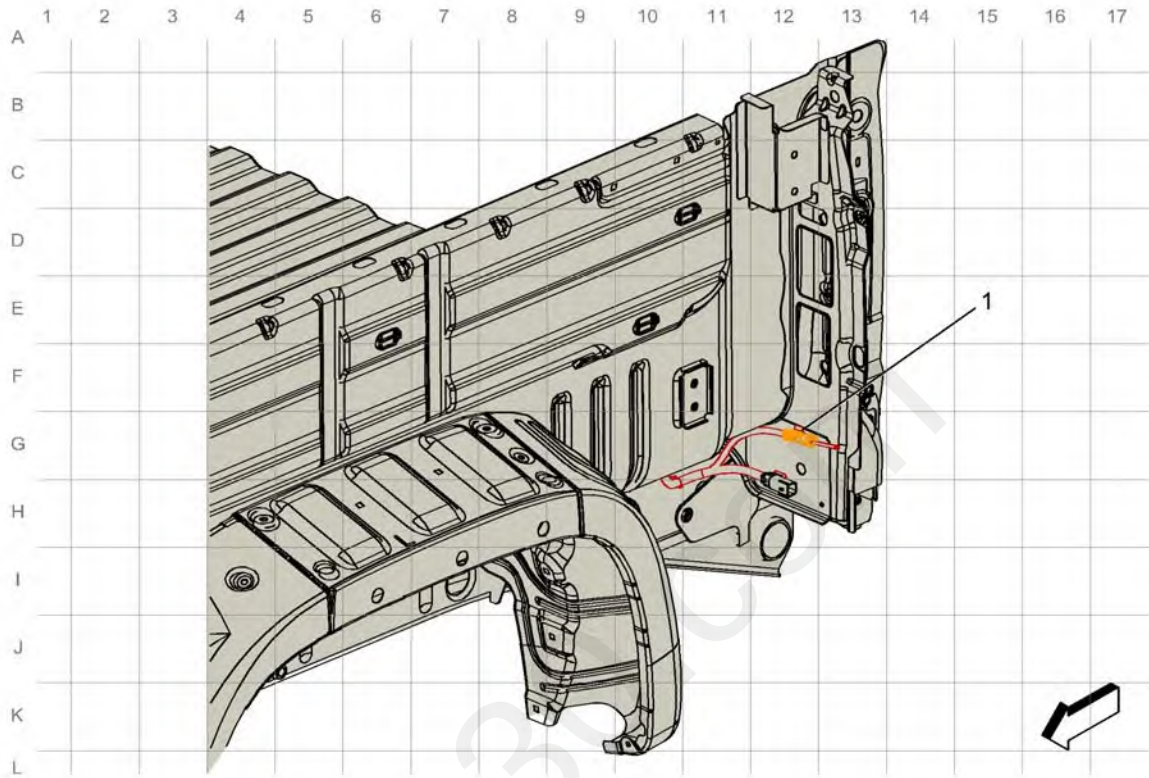


Fig. 37: Chassis Harness Routing (S0Y)

Courtesy of GENERAL MOTORS COMPANY

Items

X401 (S0Y) **X401 Chassis Harness to Chassis Harness (S0Y)**

Rear License Plate Harness Routing

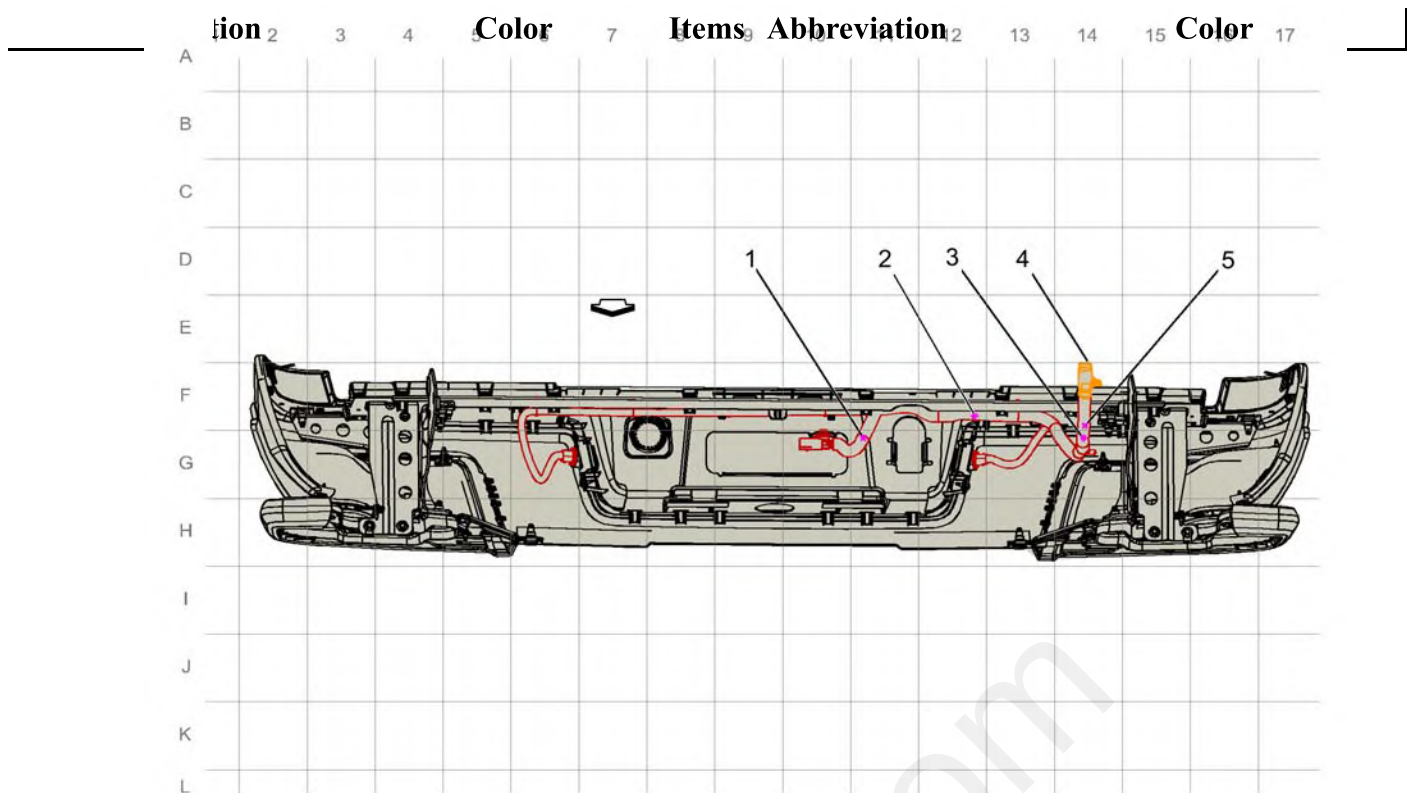


Fig. 38: Rear License Plate Harness Routing
 Courtesy of GENERAL MOTORS COMPANY

Items	
J409	
J408	
J407	
X400	<u>X400 Chassis Harness to License Lamp Harness</u>
J406	

HOW TO USE ELECTRICAL WIRING 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
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
FW	Flat Wire
HDMI	High Definition Multimedia Interface
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.

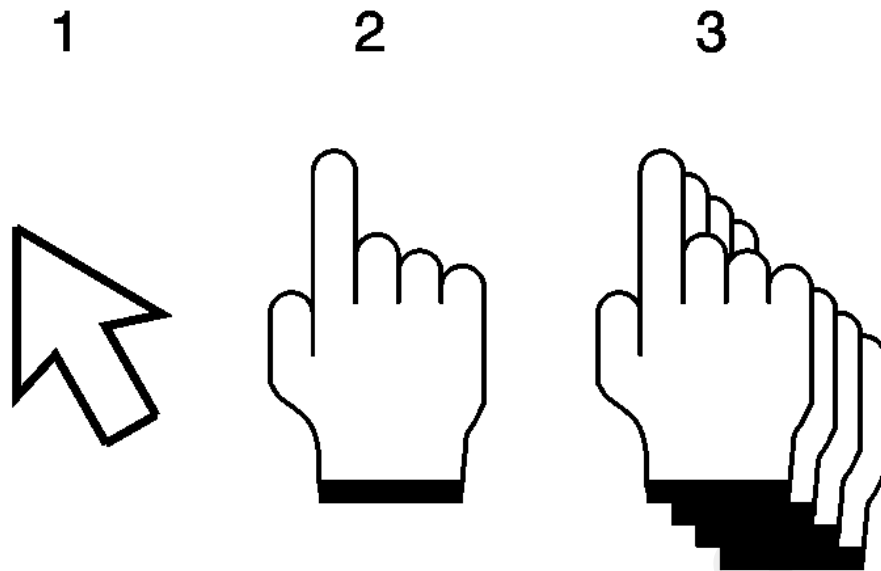


Fig. 39: Mouse Pointer Changes Shape

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. 40: 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

Schematics

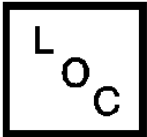
An electrical schematic hotspot is an activated icon or area in the schematic that can be cursor selected to link to additional information. Additionally, each of the hotspots in schematics has a mouse-over.

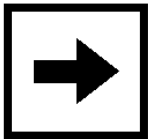
Hotspots in schematics are categorized into three types:

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

Schematic Navigational Icon Hotspots

sts 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

Icon	Mouse-Over	Hotspot Link to Information
	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

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

Icon	Mouse-Over	Hotspot Link to Information
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.

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

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

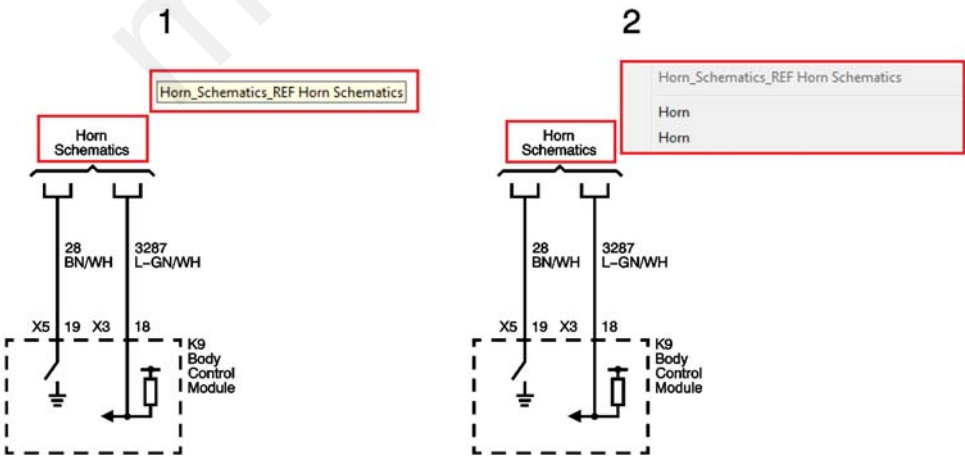


Fig. 41: Schematic Title Circuit References
 Courtesy of GENERAL MOTORS COMPANY

1. **Mouse-over:** Displays the title of the schematic page linked to.

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

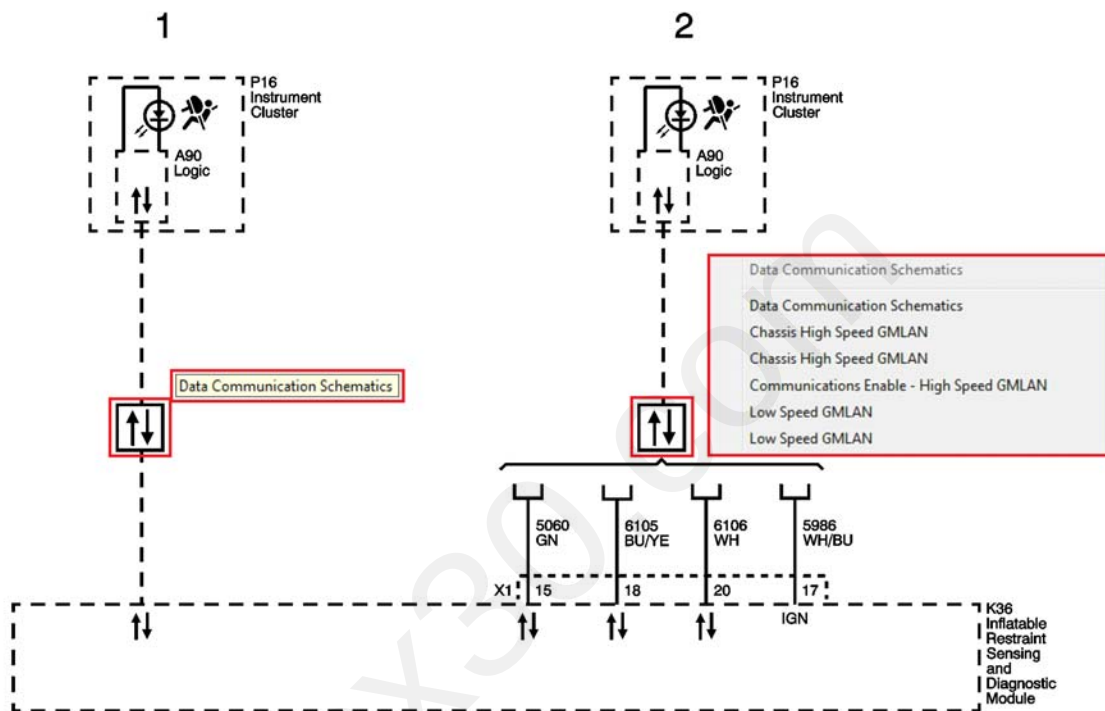


Fig. 42: Serial Data Functional Circuit Icon

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

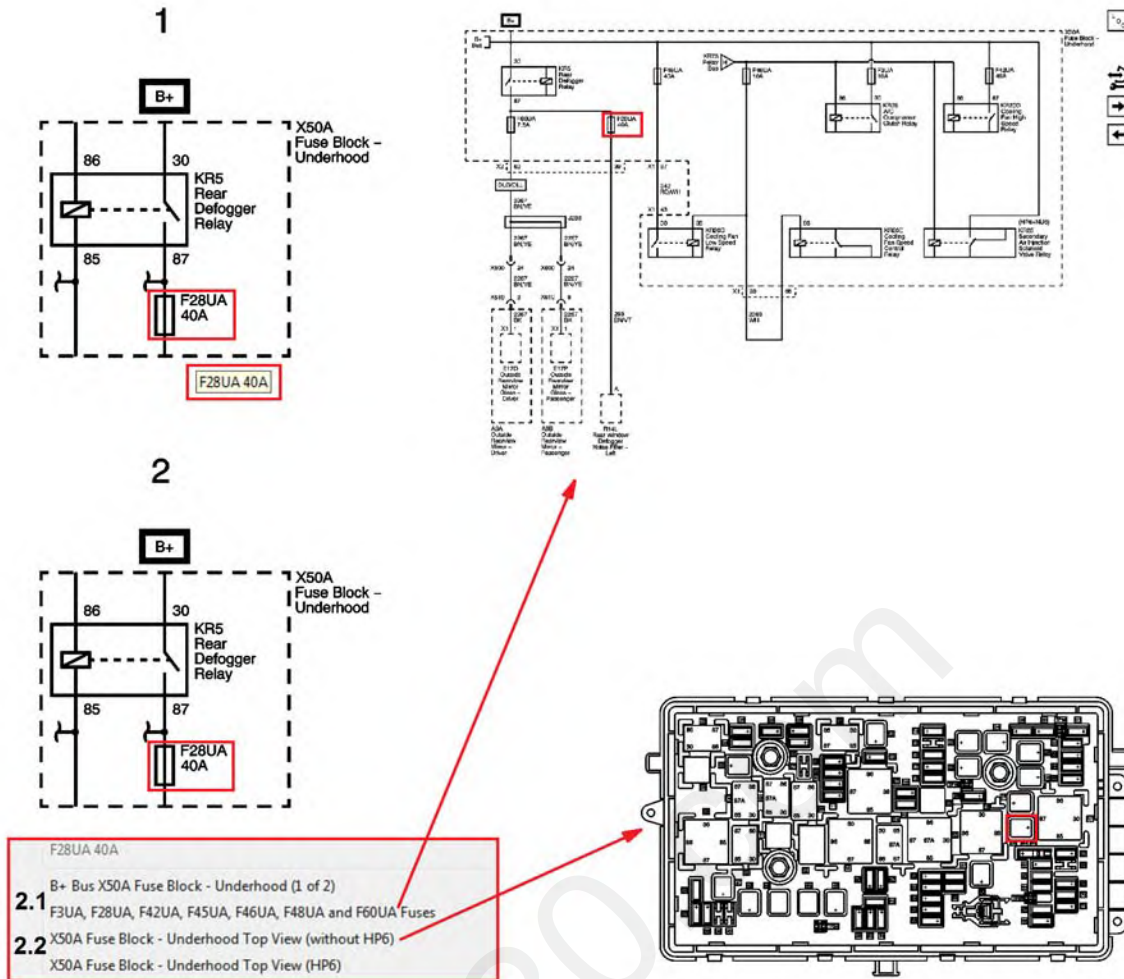


Fig. 43: Fuse/Circuit Breaker Symbol And Name Within Subsystem Wiring Schematics
 Courtesy of GENERAL MOTORS COMPANY

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

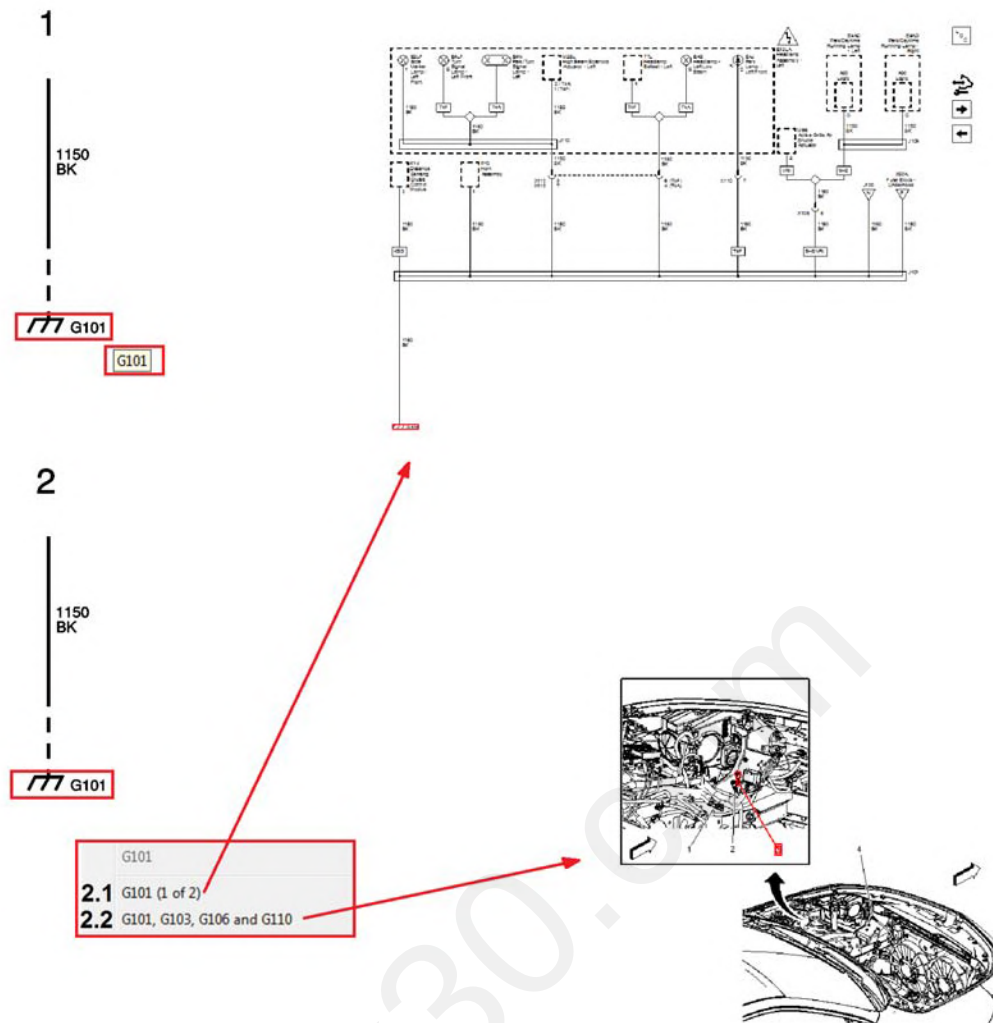


Fig. 44: Ground Symbol/Name In Subsystem Wiring Schematics
 Courtesy of GENERAL MOTORS COMPANY

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

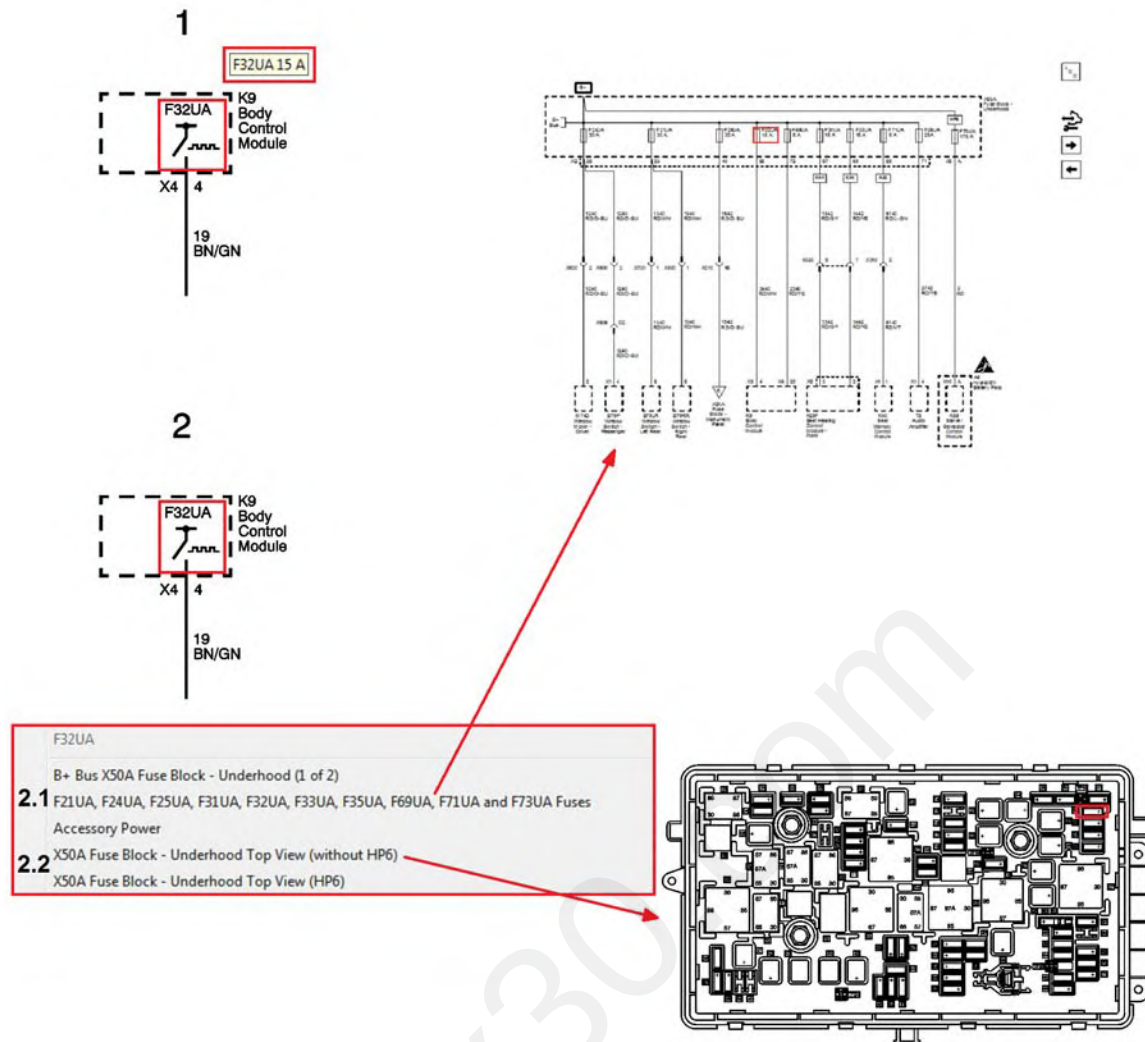


Fig. 45: Body Control Module High-Side Driver Output Symbol/Driver Source Fuse Name in Subsystem Wiring Schematics

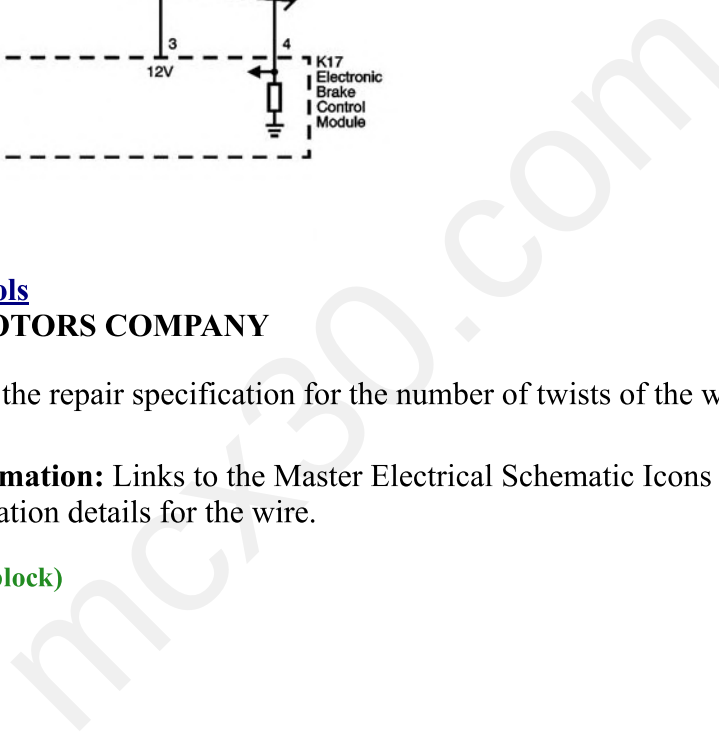
Courtesy of GENERAL MOTORS COMPANY

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



Courtesy of GENERAL MOTORS COMPANY

- ### Relay Name (located within a block)

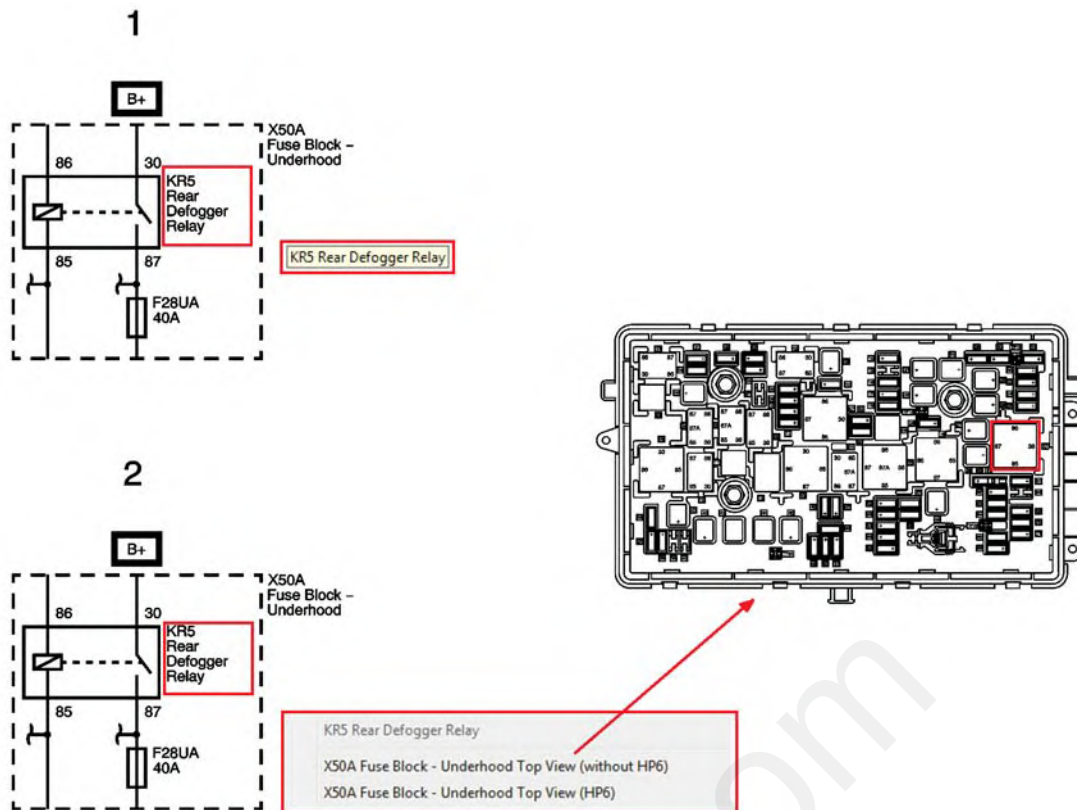


Fig. 48: Relay Name (located within a block)

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

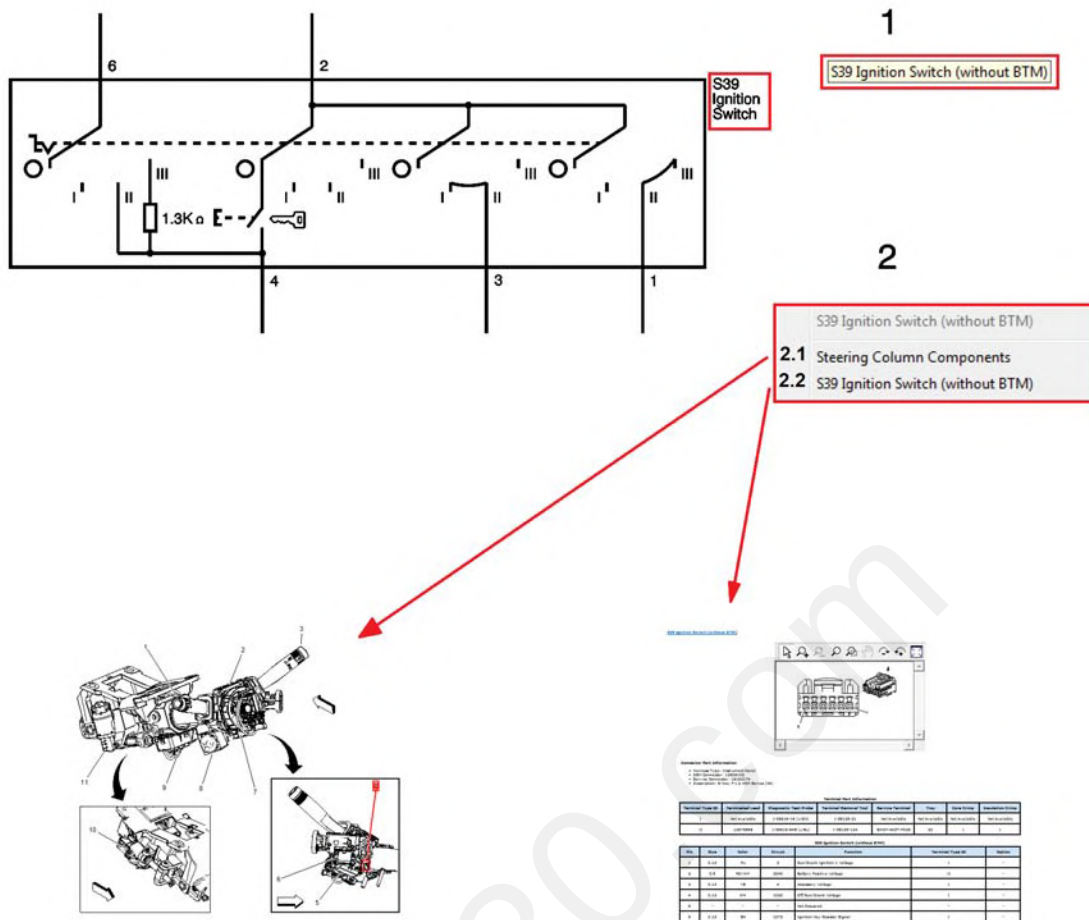


Fig. 49: Component Name In Subsystem Wiring Schematics
 Courtesy of GENERAL MOTORS COMPANY

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

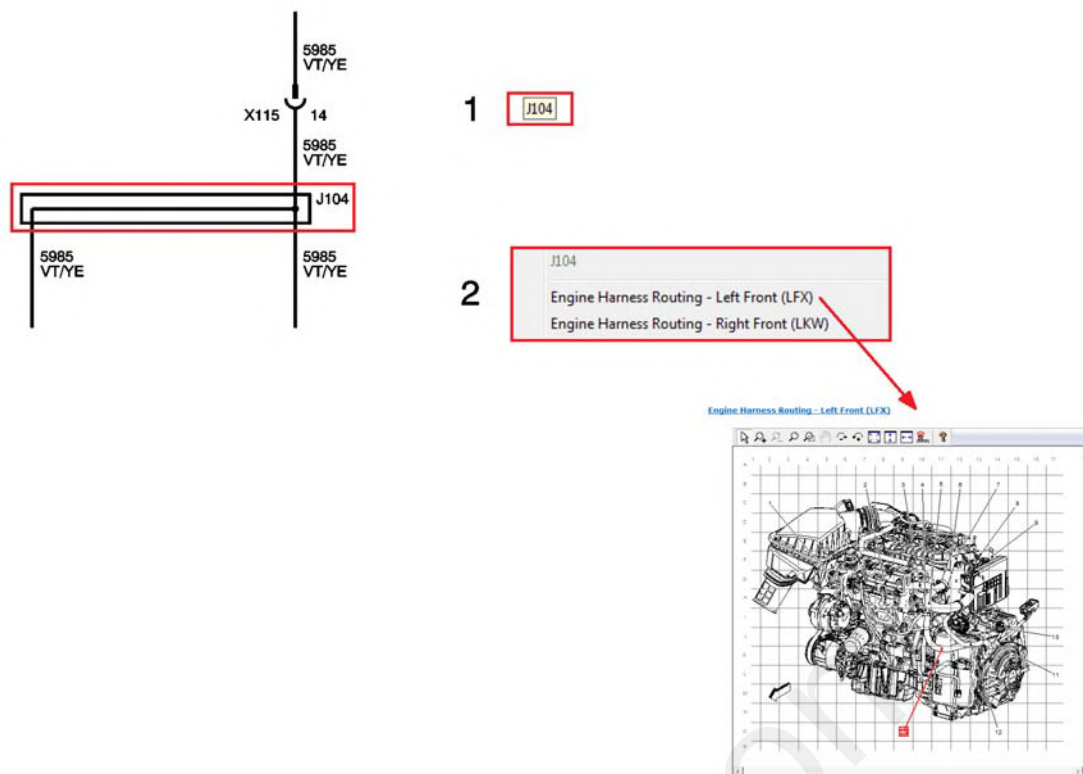


Fig. 50: Splice Names

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

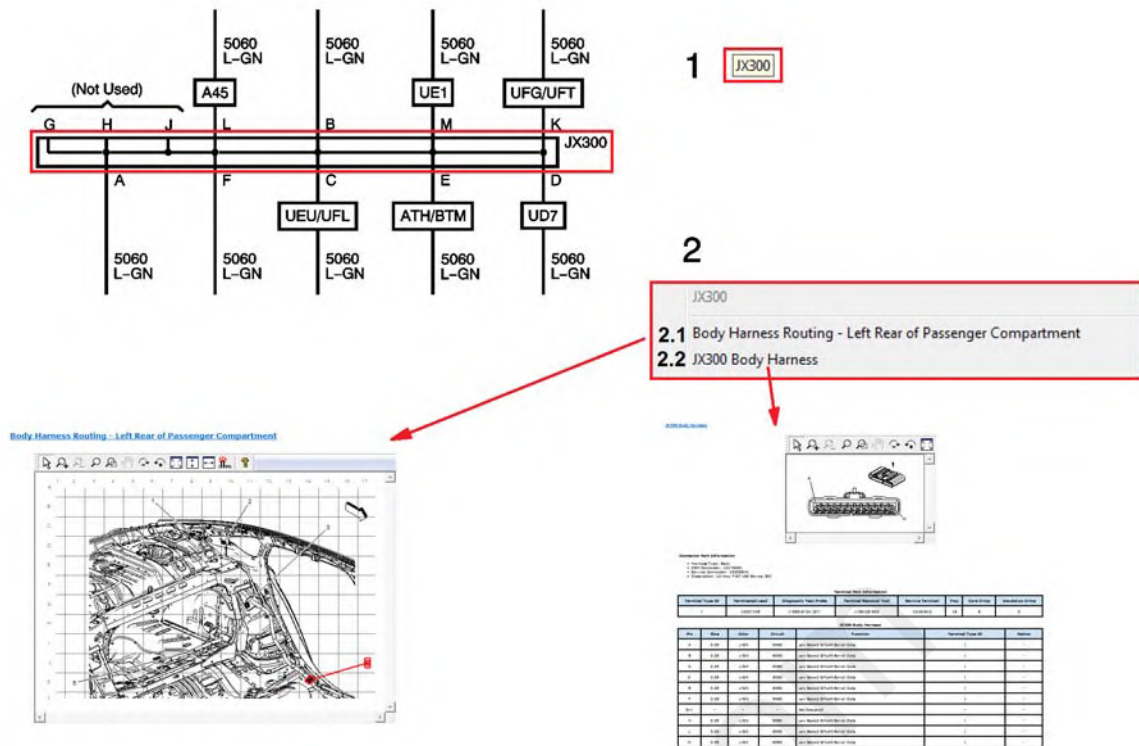


Fig. 51: Splice Pack Names

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.
- 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.
 - Links to individual connector end view(s) within the Splice Pack Connector End Views.

Inline Harness Connector Names

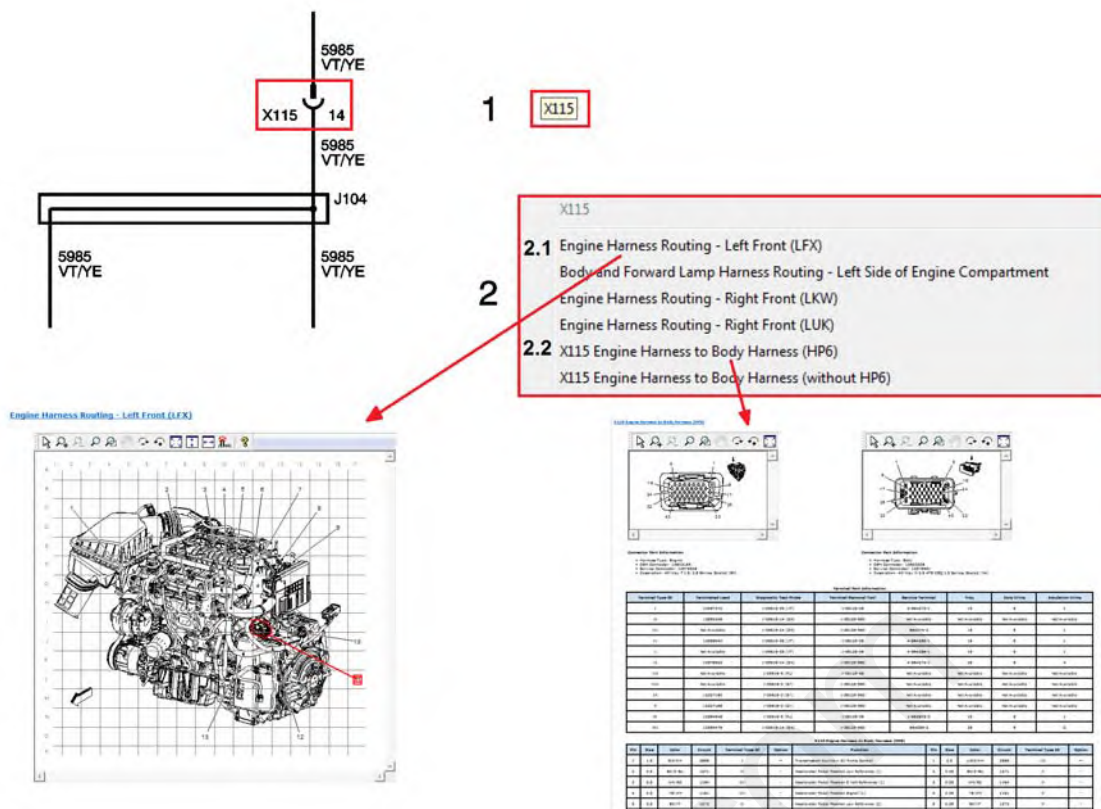


Fig. 52: Inline Harness Connector Names
Courtesy of GENERAL MOTORS COMPANY

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

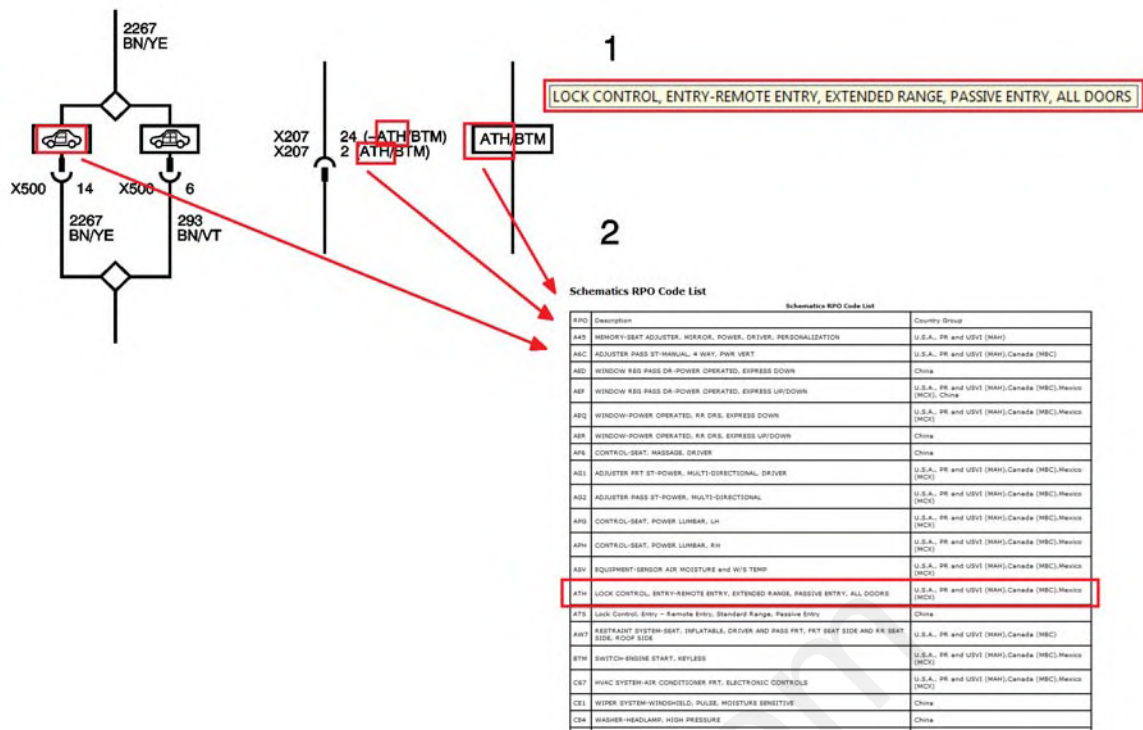
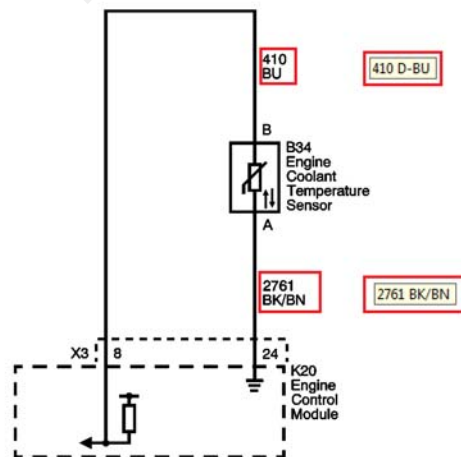


Fig. 53: Regular Production Option (RPO) Codes/Icons
Courtesy of GENERAL MOTORS COMPANY

- 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



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

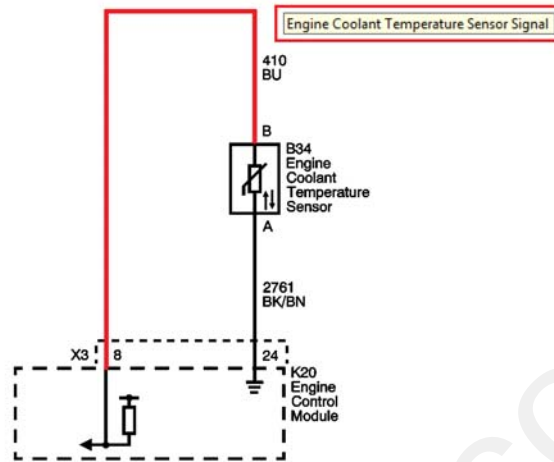
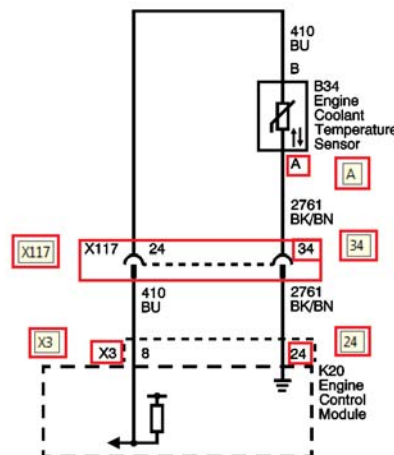


Fig. 55: Wire Lines

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



for 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.

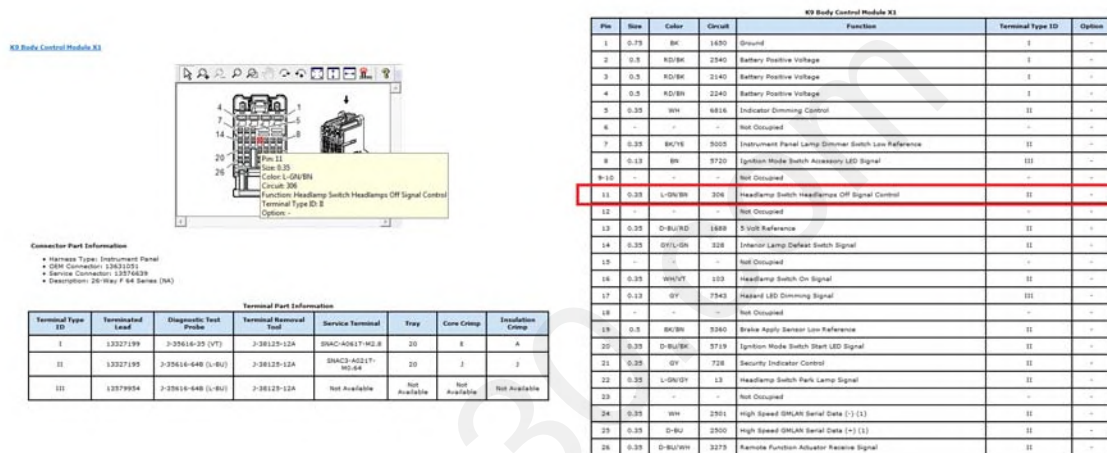


Fig. 57: Connector End View Graphics Table Information

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.

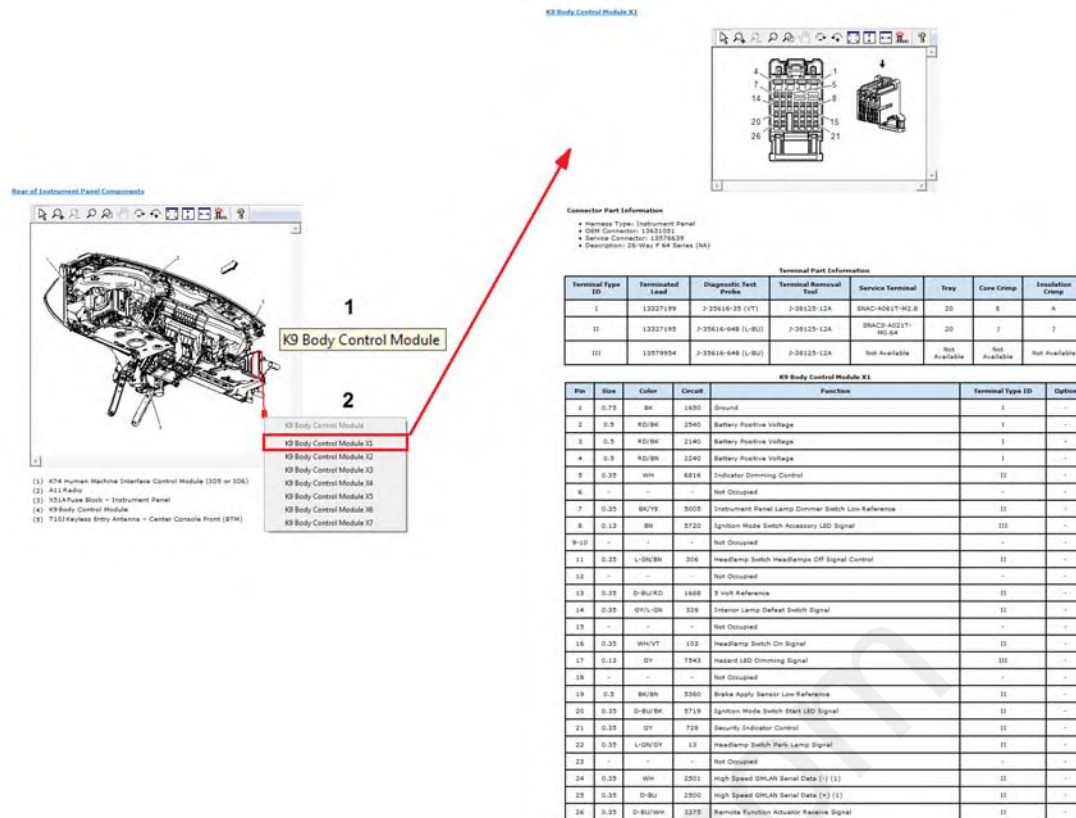


Fig. 58: Component Locator Views Have Links To Component Connector End Views
 Courtesy of GENERAL MOTORS COMPANY

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.

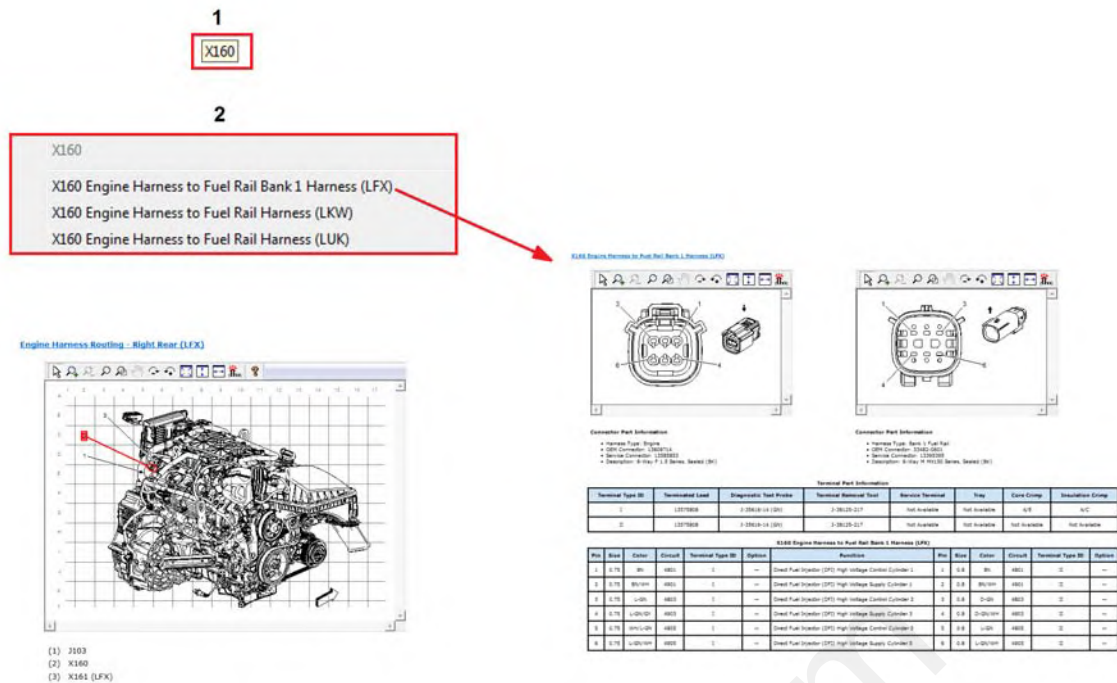


Fig. 59: Harness Routing Views Have Links To Splice Pack And Inline Harness Connector End Views
Courtesy of GENERAL MOTORS COMPANY

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.

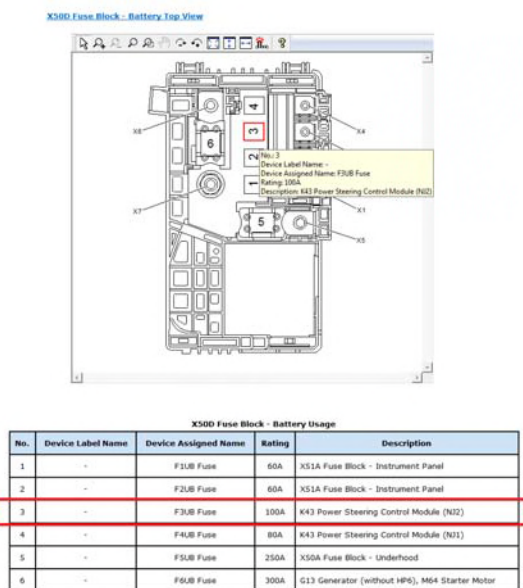


Fig. 60: Electrical Center Identification Views Graphics Have Mouse-Overs To Show Function Details
 Courtesy of GENERAL MOTORS COMPANY

1. **Mouse-over:** Displays all of the usage table information for each column including No., Device Label Name, Device Assigned Name, Rating, and Description. Note, that not used/not occupied devices will not have a mouse-over at all. For not used/not occupied devices, the device graphic may appear to have a mouse-over, but no information will be displayed in a pop-up screen.
2. **Hotspot Link to Information:** None at this time.

Master Electrical Component List

While the master electrical component list format has not changed, it will continue to have links to component locator, harness routing, and connector end views for each of the available electrical devices within the vehicle.

Master Electrical Component List					
Master Electrical Component List					
Code	Name	Option	Location	Locator View	Connector End View
A2L	Sunshade - Left	--	In the passenger compartment, left front, mounted to the headliner at left front	--	--
A2R	Sunshade - Right	--	In the passenger compartment, right front, mounted to the headliner at right front	--	--
A4	Hybrid/EV battery pack	H96	In the luggage compartment, right behind rear of the seats	Right Side of Luggage Compartment Components	--
A7	Fuel Pump and Level Sensor Assembly	--	In the vehicle underbody, below rear seats, mounted to fuel tank	Fuel Tank Components	A7 Fuel Pump and Level Sensor Assembly
A8A	Outside Rearview Mirror - Driver	--	On outside of driver door, front middle, forward of window opening	Driver Door Components	--
A8B	Outside Rearview Mirror - Passenger	--	On outside of passenger door, front middle, forward of window opening	Passenger Door Components	--
A10	Inside Rearview Mirror	DD8	In the passenger compartment, front center, mounted to top of windshield	Headliner Components	A10 Inside Rearview Mirror (DD8)
A11	Radio	--	In the passenger compartment, front right in instrument panel, rear instrument panel courtesy lamp - right	Rear of Instrument Panel Components	- A11 Radio X1 - A11 Radio X2 - A11 Radio X3 - A11 Radio X4 (DD8 or H96) - A11 Radio X7 (DD8) - A11 Radio X9 (DD8)
A14G	Seat Lumbar Support Pump - Driver	--	In the passenger compartment, left forward of center, in driver seat back outboard side	Driver Seat Components	A14G Seat Lumbar Support Pump - Driver
A14R	Seat Lumbar Support Pump - Passenger	A24	In the passenger compartment, right forward of center, in the passenger seat back outboard side	Passenger Seat Components	A14R Seat Lumbar Support Pump - Passenger (A24)
A15	Starter/Generator	H96	In the engine compartment, right front of engine	--	- A15 Starter/Generator X1 (H96) - A15 Starter/Generator X2 (H96)
A22	Radio Controls	--	In the passenger compartment, center front, part of the info display module, in instrument panel, above HVAC controls	Front of Instrument Panel Components	--
A23D	Door Latch Assembly - Driver	--	Inside the driver door, at rear below middle	Driver Door Components	A23D Door Latch Assembly - Driver
A23L	Door Latch Assembly - Left Rear	--	Inside the left rear door, at rear below middle	Left Rear Door Components	A23L Door Latch Assembly - Left Rear
A23R	Door Latch Assembly - Passenger	--	Inside the passenger door, at rear below middle	Passenger Door Components	A23R Door Latch Assembly - Passenger
A23R4	Door Latch Assembly - Right Rear	--	Inside the right rear door, at rear below middle	Right Rear Door Components	A23R4 Door Latch Assembly - Right Rear
A24G	Door Handle Assembly - Driver Exterior	ATH	On the outside of driver door, rear middle	Driver Door Components	A24G Door Handle Assembly - Driver Exterior (ATH)
A24L	Door Handle Assembly - Left Rear Exterior	ATH	On the outside of left rear door, rear middle	Left Rear Door Components	A24L Door Handle Assembly - Left Rear Exterior (ATH)
A24R	Door Handle Assembly - Passenger Exterior	ATH	On the outside of passenger door, rear middle	Passenger Door Components	A24R Door Handle Assembly - Passenger Exterior (ATH)
A24R4	Door Handle Assembly - Right Rear Exterior	ATH	On the outside of right rear door, rear middle	Right Rear Door Components	A24R4 Door Handle Assembly - Right Rear Exterior (ATH)
A26	HVAC Controls	--	In the passenger compartment, front center, on instrument panel, below radio controls	Front of Instrument Panel Components	A26 HVAC Controls
A23	Media Disc Player	--	In the passenger compartment, front center, on instrument panel, below and forward of radio controls	--	A23 Media Disc Player
B1	A/C Refrigerant Pressure Sensor	--	At the front of vehicle, right of center, front of A/C condenser, mounted to right side rear bottom	Radiator Assembly Components	- B1 A/C Refrigerant Pressure Sensor (LFR or LFR2) - B1 A/C Refrigerant Pressure Sensor (LFR2)
B5LF	Wheel Speed Sensor - Left Front	--	At the left front suspension, mounted to knuckle, rearward of axle	Fuel Conversion Sensor, Wheel Speed Sensors and Parking Brake	B5LF Wheel Speed Sensor - Left Front
B5LR	Wheel Speed Sensor - Left Rear	--	At the left rear suspension, mounted to knuckle, forward side	Fuel Conversion Sensor, Wheel Speed Sensors and Parking Brake	B5LR Wheel Speed Sensor - Left Rear
B5RF	Wheel Speed Sensor - Right Front	--	At the right front suspension, mounted to knuckle, rearward of axle	Fuel Conversion Sensor, Wheel Speed Sensors and Parking Brake	B5RF Wheel Speed Sensor - Right Front
B5RR	Wheel Speed Sensor - Right Rear	--	At the right rear suspension, mounted to knuckle, forward side	Fuel Conversion Sensor, Wheel Speed Sensors and Parking Brake	B5RR Wheel Speed Sensor - Right Rear
B7D	Air Temperature Sensor - Duct Left Lower	C22	In the passenger compartment, within the instrument panel, center front, left side middle of HVAC assembly	HVAC Assembly Components (C22)	B7D Air Temperature Sensor - Duct Left Lower (C22)
B7E	Air Temperature Sensor - Duct Right Lower	C22	In the passenger compartment, within the instrument panel, center front, right side middle of HVAC assembly	HVAC Assembly Components (C22)	B7E Air Temperature Sensor - Duct Right Lower (C22)
B7H	Air Temperature Sensor - Duct Left Upper	C22	In the passenger compartment, within the instrument panel, center front, left side top of HVAC assembly	HVAC Assembly Components (C22)	B7H Air Temperature Sensor - Duct Left Upper (C22)
B7I	Air Temperature Sensor - Duct Right Upper	C22	In the passenger compartment, within the instrument panel, center front, right side top of HVAC assembly	HVAC Assembly Components (C22)	B7I Air Temperature Sensor - Duct Right Upper (C22)
B9	Ambient Air Temperature Sensor	--	At the front of vehicle, left of center, mounted to rear of lower grille	Front of Vehicle Components	B9 Ambient Air Temperature Sensor
B10B	Ambient Light/Sunroof Sensor	--	In the passenger compartment, center front, in instrument panel, rear of windshield defroster outlet	Front of Instrument Panel Components	B10B Ambient Light/Sunroof Sensor
B12A	Transmission Fluid Pressure Switch	--	In the engine compartment, part of the control solenoid valve assembly, mounted to the valve body inside the transmission	--	--
B13	Transmission Fluid Temperature Sensor	--	In the engine compartment, part of the control solenoid valve assembly, mounted to the valve body inside the transmission	--	--

Fig. 61: Master Electrical Component List Format
Courtesy of GENERAL MOTORS COMPANY

1. **Mouse-over:** None at this time.

2. **Hotspot Link to Information:**

- A future update may include links to individual subsystem schematic(s) for each component/harness item.
- **Components**
- Links to individual locator view within one of the eight component view categories and will show where the component is located in the vehicle.
- Links to individual connector end view(s) within Component Connector End Views.
- **Electrical Centers (Fuse Blocks)**
- Links to individual locator view within one of the eight component view categories and will show where the component is located in the vehicle.
- Links to individual connector end view(s) within Electrical Center Identification Views.
- **Inline Harness Connectors**
- Links to individual harness routing view(s) within Harness Routing Views and will show where the harness item is located on the vehicle harness.

ks to individual connector end view(s) within Inline Harness Connector End Views.

- **Grounds**
- Links to individual locator view within Ground Views component view and will show where the ground is located in the vehicle.
- **Splices**
- Links to individual harness routing view(s) within Harness Routing Views and will show where the harness item is located on the vehicle harness.
- **Splice Packs**
- Links to individual harness routing view(s) within Harness Routing Views and will show where the harness item is located on the vehicle harness.
- Links to individual connector end view(s) within Splice Pack Connector End Views.

Master Electrical Schematic Icons

While the master electrical schematic icons list format has not changed, it will continue to include icons used in the vehicle schematics along with the message for the icon.

Master Electrical Schematic Icons	
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 Draining 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 touch the high intensity discharge system light or the air tube assembly while it is energized. • Never bridge between the high intensity discharge system ballast socket connector and the air tube assembly. Warning: To help avoid personal injury, always treat the accessory power receptacle, accessory DC/AC power inverter module, AC output wires, and connectors as if AC high voltage is present. DANGER: 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 tag for the presence of high voltage. • Identify conditions 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.
	Note: Trilled 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 trilled wires shown: • The area must be trilled a minimum of 90mm per 31mm (3.5 in) as measured anywhere along the length of the wires. • The outside diameter of the trilled wires must not exceed 6.0 mm (0.236 in).

Fig. 62: Master Electrical Wiring Schematic Icons List Format
Courtesy of GENERAL MOTORS COMPANY

1. **Mouse-over:** None at this time.
2. **Hotspot Link to Information:** None at this time.

Schematic RPO Code List

The schematic RPO code list only includes RPOs shown in schematics and also includes the country groupings for the options. This list is in addition to the vehicle RPO Code List that is included in General Information.

Schematics RPO Code List

Part	Description	Country Group
843	RECORD-SEAT ADJUSTER, HEATER, POWER, DRIVER, PERSONALIZATION	U.S.A., PR and UVEI (NAHQ)
845	ADJUSTER-PASS SEAT-MANUAL, 4 WAY, PWR SEAT	U.S.A., PR and UVEI (NAHQ/Canada) (NBC)
846	WINDOW-RSD PASS OR POWER OPERATED, EXPRESS DOWN	China
847	WINDOW-RSD PASS OR POWER OPERATED, EXPRESS UP/DOEN	U.S.A., PR and UVEI (NAHQ/Canada) (NBC/ Mexico) (MCO)
848	WINDOW-POWER OPERATED, KR GAS, EXPRESS DOWN	U.S.A., PR and UVEI (NAHQ/Canada) (NBC/ Mexico) (MCO)
849	WINDOW-POWER OPERATED, KR GAS, EXPRESS UP/DOEN	China
850	CONTROL-SEAT, MESSAGE, DRIVER	China
851	ADJUSTER PRT 3T-POWER, MULTI-DIRECTIONAL, DRIVER	U.S.A., PR and UVEI (NAHQ/Canada) (NBC/ Mexico) (MCO)
852	ADJUSTER-PASS 3T-POWER, MULTI-DIRECTIONAL	U.S.A., PR and UVEI (NAHQ/Canada) (NBC/ Mexico) (MCO)
853	CONTROL-SEAT, POWER LUMBAR, LH	U.S.A., PR and UVEI (NAHQ/Canada) (NBC/ Mexico) (MCO)
854	CONTROL-SEAT, POWER LUMBAR, RH	U.S.A., PR and UVEI (NAHQ/Canada) (NBC/ Mexico) (MCO)
855	EQUIPMENT-SEAT ORA MOISTURE AND WTS TEMP	U.S.A., PR and UVEI (NAHQ/Canada) (NBC/ Mexico) (MCO)
856	LOCK CONTROL, BTRY-REMOTS BTRY, EXTENDED RANGE, PASSIVE BTRY, ALL DOORS	U.S.A., PR and UVEI (NAHQ/Canada) (NBC/ Mexico) (MCO)
857	Lock Control, Entry - Remote Entry, Standard Range, Passive Btry	China
858	RESTRAINT SYSTEM-SEAT, INFLATABLE, DRIVER AND PASS PRT, PRT SEAT SIDE AND KR SEAT SIDE, ADOP SIDE	U.S.A., PR and UVEI (NAHQ/Canada) (NBC)
859	SWITCH-ENGINE START, KEYLESS	U.S.A., PR and UVEI (NAHQ/Canada) (NBC/ Mexico) (MCO)
860	HVAC SYSTEM-AIR CONDITIONER PRT, ELECTRONIC CONTROL	U.S.A., PR and UVEI (NAHQ/Canada) (NBC/ Mexico) (MCO)
861	WATER SYSTEM-WINDSHIELD, PULSE, MOISTURE SENSITIVE	U.S.A., PR and UVEI (NAHQ/Canada) (NBC/ Mexico) (MCO)
862	WASHER-HEADLAMP, HIGH PRESSURE	China
863	ROOF-SUN, GLASS, SLIDING, BLUE	U.S.A., PR and UVEI (NAHQ/Canada) (NBC/ Mexico) (MCO)
864	HVAC SYSTEM-AIR CONDITIONER PRT, AUTO TEMP CONT, AUX TEMP CONT	U.S.A., PR and UVEI (NAHQ/Canada) (NBC/ Mexico) (MCO)
865	COUNTRY-CHINA	China
866	HONDA 1.5 V-TEC SENSITIVE	U.S.A., PR and UVEI (NAHQ/Canada) (NBC/ Mexico) (MCO)
867	COUNTRY-UNITED STATES OF AMERICA (USA)	U.S.A., PR and UVEI (NAHQ)
868	CHASSIS-CONTINUOUSLY VARIABLE RATIO (CVT) TRANSMISSION	U.S.A., PR and UVEI (NAHQ/Canada) (NBC)
869	VEHICLE FUEL-GASOLINE E85	U.S.A., PR and UVEI (NAHQ/Canada) (NBC/ Mexico) (MCO)
870	HYBRID FUEL-INJECTION-ELECTRIC, PARALLEL, LOWV CONTINUOUS POWER	U.S.A., PR and UVEI (NAHQ/Canada) (NBC)
871	BRAKE-REAR-POWER OPERATED	U.S.A., PR and UVEI (NAHQ/Canada) (NBC/ Mexico) (MCO)
872	HEATER SEAT PRT-DRVR AND PASS	U.S.A., PR and UVEI (NAHQ/Canada) (NBC/ Mexico) (MCO)
873	RECEPTACLE-ELECTRICAL, PRT CONSOLE	U.S.A., PR and UVEI (NAHQ/Canada) (NBC/ Mexico) (MCO)
874	RECEPTACLE-ELECTRICAL, PRT CONSOLE KR 110 VOLT	U.S.A., PR and UVEI (NAHQ/Canada) (NBC/ Mexico) (MCO)
875	CONTROL-CONSOLE, INFOTAINMENT, REDUNDANT CONTROLS, JOYSTICK	U.S.A., PR and UVEI (NAHQ/Canada) (NBC/ Mexico) (MCO)
876	AUDIO INTERFACE	China
877	VENTILATED SEAT-DRVR-FRONT	U.S.A., PR and UVEI (NAHQ)
878	VENTILATED SEAT-PASS-FRONT	U.S.A., PR and UVEI (NAHQ)
879	BRODE-GAS, 4 CYL, 2.4L, E10E, DOHC, VVT, ALUM, OHV - DO NOT USE AFTER 2013, USE USA	China
880	BRODE-GAS, 4 CYL, 2.0L, SI, DOHC, TURBO-HO, 16V, VALVE, CARBON CHARGED - DO NOT USE AFTER 2013, USE LHS	China
881	BRODE-GAS, 2.0L, SI, LH, SI, DOHC, TURBO, 8ET MAX, ALUM	U.S.A., PR and UVEI (NAHQ/Canada) (NBC/ Mexico) (MCO)
882	BRODE-GAS, 4 CYL, 1.6L, HPI, DOHC, TURBO, 87-13W, 132KW	China
883	BRODE-GAS, 4 CYL, 2.0L, HPI, ALUM, DOHC, 80W	China
884	BRODE-GAS, 4 CYL, 2.4L, DI, ALUM, DOHC, BAS, ECOTEC	U.S.A., PR and UVEI (NAHQ/Canada) (NBC)
885	TRANSMISSION-AUTO 6 SPD, AISEN-WARNER, AS-APKO, ELECTRONIC, DRG	U.S.A., PR and UVEI (NAHQ/Canada) (NBC)
886	TRANSMISSION-AUTO 6 SPD, HMD, OHV, 82ZF	U.S.A., PR and UVEI (NAHQ/Canada) (NBC)
887	TRANSMISSION-AUTO 6 SPD, HMD, OHV, 84ZF, 874C, HYBRID, DRG	U.S.A., PR and UVEI (NAHQ/Canada) (NBC)
888	TRANSMISSION-AUTO 6 SPD, 6T30	U.S.A., PR and UVEI (NAHQ/Canada) (NBC/ Mexico) (MCO)
889	TRANSMISSION-HAN 6 SPD, OM, 82NH, 3.5Z 1ST, 5.4Z 2ND (P40 HPI), REDUCED HUE	U.S.A., PR and UVEI (NAHQ/Canada) (NBC)
890	STEERING-POWER, NON-VARIABLE RATIO, ELECTRIC	U.S.A., PR and UVEI (NAHQ/Canada) (NBC)
891	STEERING-POWER, VARIABLE RATIO	U.S.A., PR and UVEI (NAHQ)
892	STEERING-POWER, VARIABLE RATIO, REDUCED RACK TRAVEL	U.S.A., PR and UVEI (NAHQ/Canada) (NBC/ Mexico) (MCO)
893	HEADLAMPS-HALOGEN	U.S.A., PR and UVEI (NAHQ/Canada) (NBC)

1. **Mouse-over:** None at this time.
2. **Hotspot Link to Information:** None at this time.

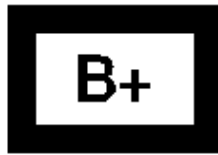
ELECTRICAL WIRING SCHEMATIC SYMBOLS

Voltage Indicators

Symbol	Description

Symbol

Description



Battery
Voltage

mcx30.com

Symbol

Description



Ignition
Switch- Off
Position

mcx30.com

Symbol	Description
	Ignition Switch- Accessory Position

Symbol

Description

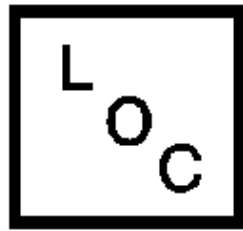


Ignition
Switch- Run
Position

mcx30.com

Symbol

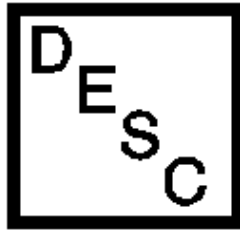
Description



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

Symbol

Description

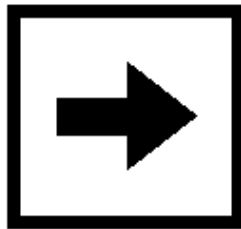


Description and
Operation Icon
This icon is used
on the schematic
to link to the
Description and
Operation of that
particular system.

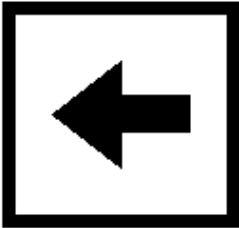
Symbol	Description
	Computer Programming Icon This icon is used on the schematic to link to Control Module References, which identifies which components need programming upon replacement.

Symbol

Description



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

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

Symbol

Description



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.

Symbol

Description



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.

Symbol

Description



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.

Symbol	Description
	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 where the circuit is shown complete.

Switch Position Icons

Symbol	Description

Symbol	Description
  	Generic Up Arrows

Symbol	Description
	Generic Down Arrows

Symbol	Description
	Generic Left Arrows

Symbol	Description
	Generic Right Arrows

Symbol	Description
	Generic Express Down Arrows

Symbol	Description
	On/Off Icon

Symbol	Description
	Generic Lock Icon

Symbol	Description
	Generic Unlock Icon

Symbol	Description
	Generic Window Switch Positions- 4 Door

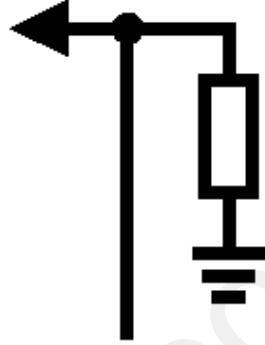
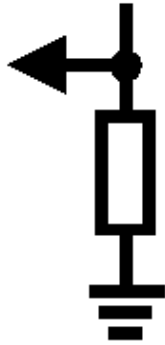
Symbol	Description
	Generic Window Switch Positions- 2 Door

Module Circuit Function Icons

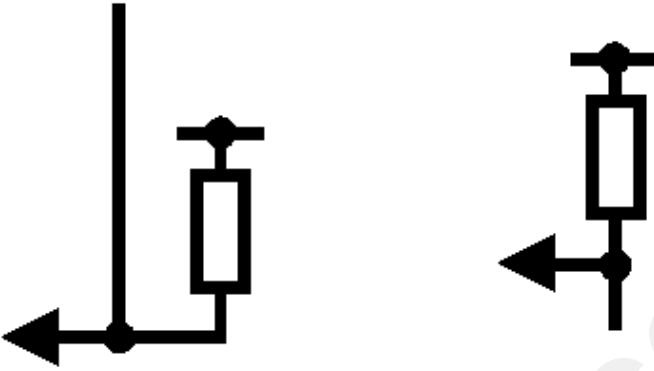
Symbol	Description

Symbol

Description



I/O Pull-
Down
Resistors (-)

Symbol	Description
	I/O Pull-Up Resistors (+)

Symbol	Description
	I/O High-Side Drive Switch (+)

Symbol	Description
	I/O Low-Side Drive Switch (+)

Symbol	Description
	I/O Bidirectional Switch (+/-)

Symbol	Description
 A black symbol representing a pulse-width modulation (PWM) waveform, consisting of a series of rectangular pulses of varying widths.	Pulse-Width Modulation Symbol

Symbol	Description
B+	Battery Voltage

Symbol	Description
IGN	Ignition Voltage

Symbol	Description
5V	Voltage Reference

Symbol	Description
5V AC	A/C Voltage

Symbol	Description
 	Low Reference

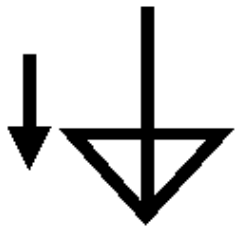
Symbol	Description
	Ground

Symbol	Description
	Serial Data

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Symbol

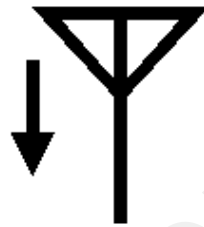
Description



Antenna
Signal- In

Symbol

Description



Antenna
Signal- Out

Symbol	Description
	Brake Apply

Harness Components

Symbol	Description

Symbol

Description

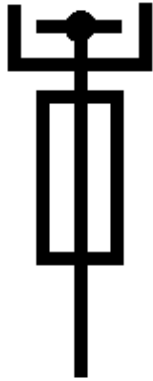


Fuse

Symbol

Description

PWR/TRN Relay



Fuse Supplied
by a Relay

Symbol

Description



Circuit
Breaker

mcx30.com

Symbol	Description
	Fusible Link

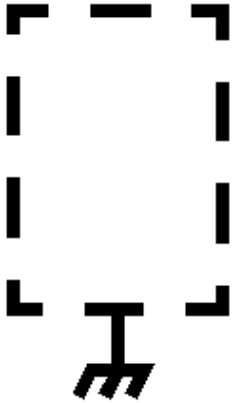
Symbol

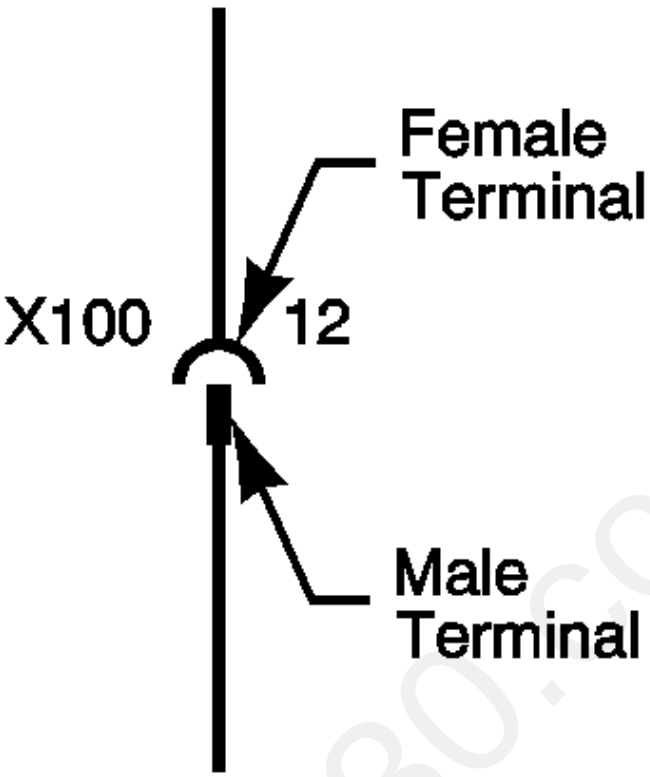
Description



Ground

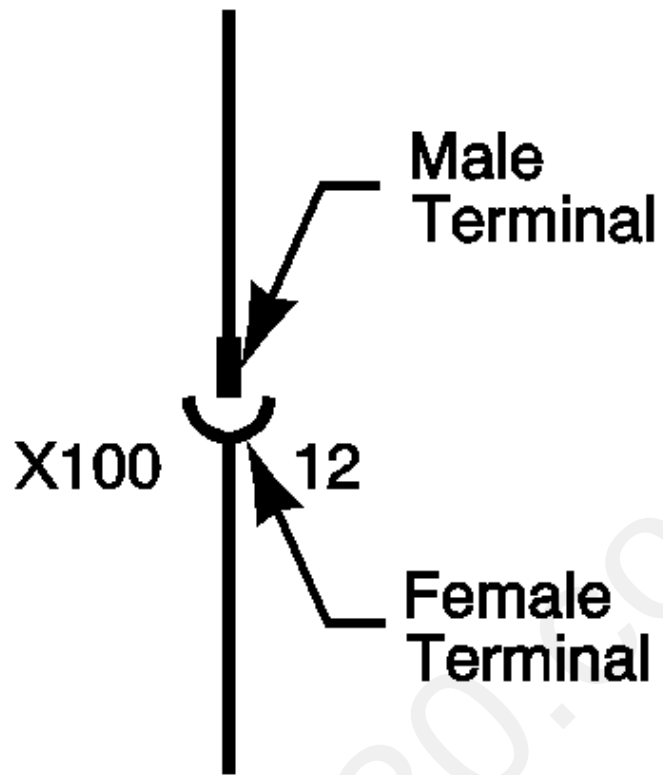
mcx30.com

Symbol	Description
	Case Ground

Symbol	Description
 X100 Female Terminal 12 Male Terminal	Inline Harness Connector

Symbol

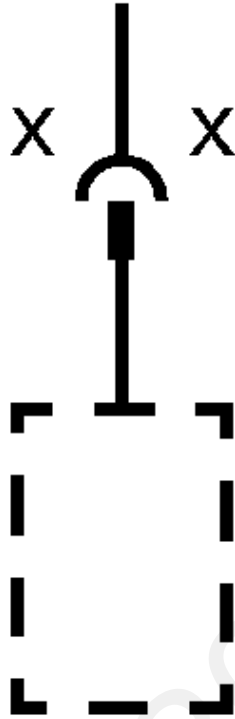
Description



Inline Harness
Connector

Symbol

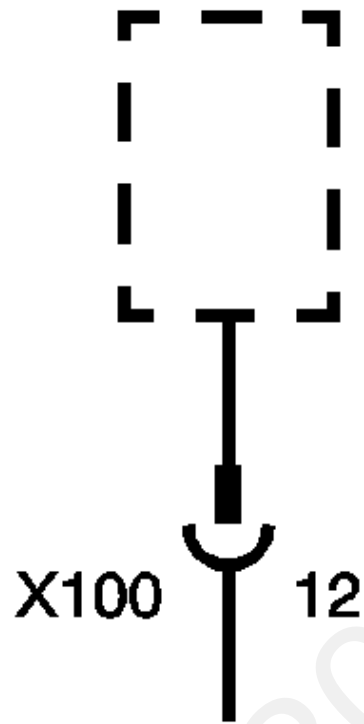
Description



Pigtail
Connection

Symbol

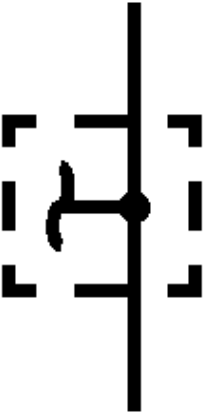
Description



Pigtail
Connection

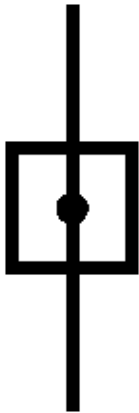
Symbol	Description
	Provisional or Diagnostic Connector

Symbol	Description
	Blunt Cut Wire

Symbol	Description
	Incomplete Physical Splice

Symbol

Description

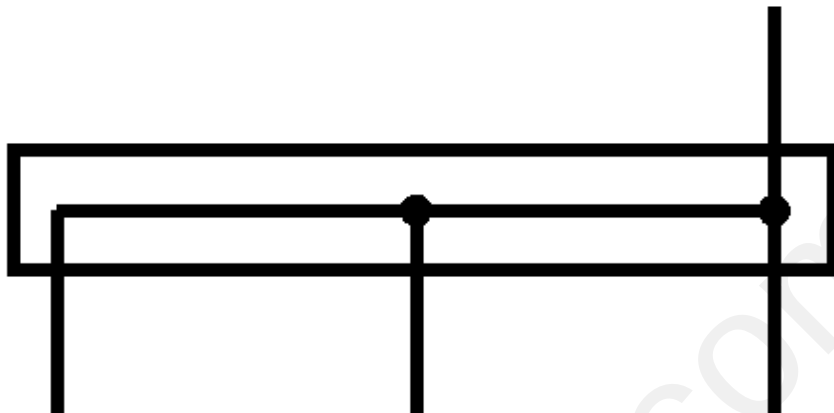


Complete
Physical
Splice- 2
Wires

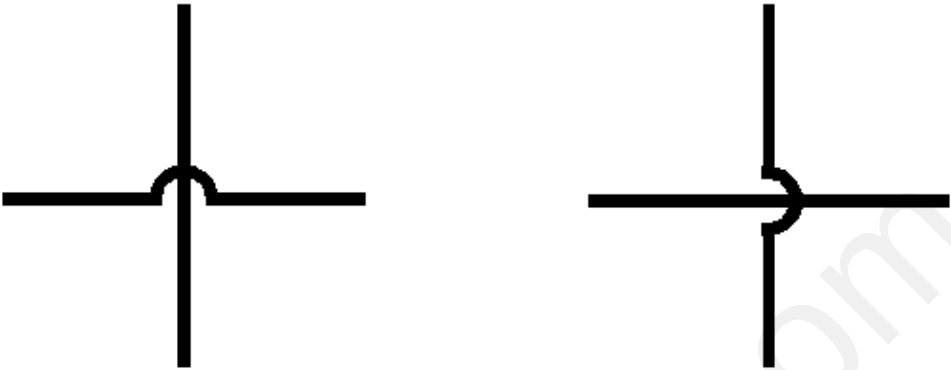
mcx30.com

Symbol

Description



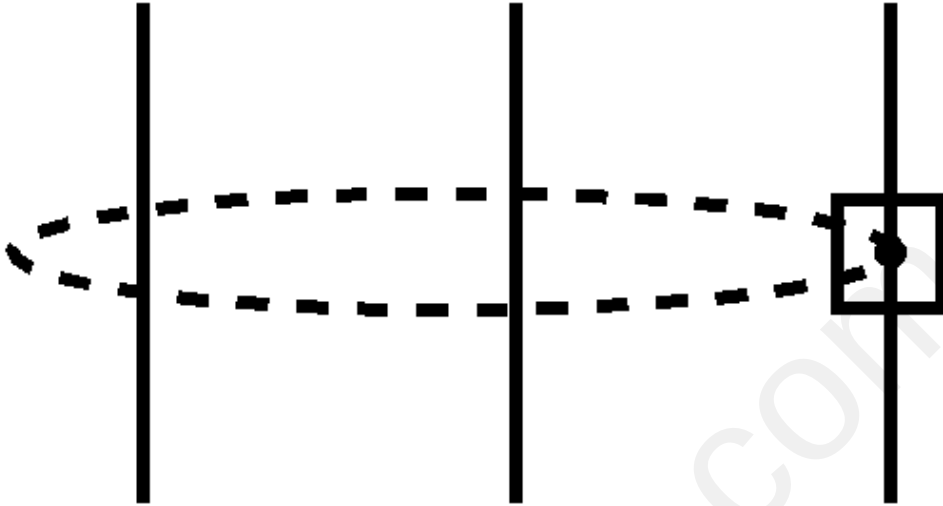
Complete
Physical
Splice- 3 or
more wires

Symbol	Description
	Wire Crosses

Symbol	Description
 9	Twisted Wires

Symbol

Description



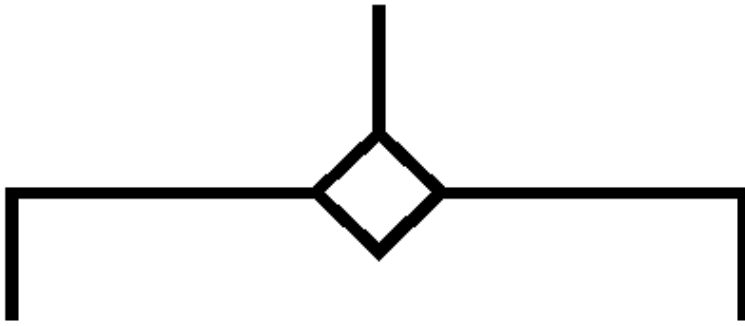
Shield

Symbol	Description
   	Circuit References

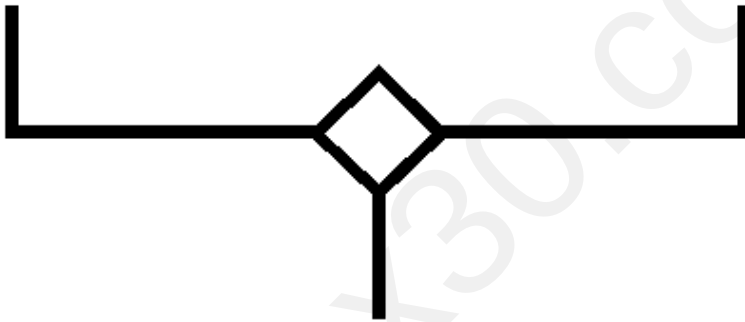
Symbol	Description
   	Circuit Continuation Arrowheads

Symbol

Description

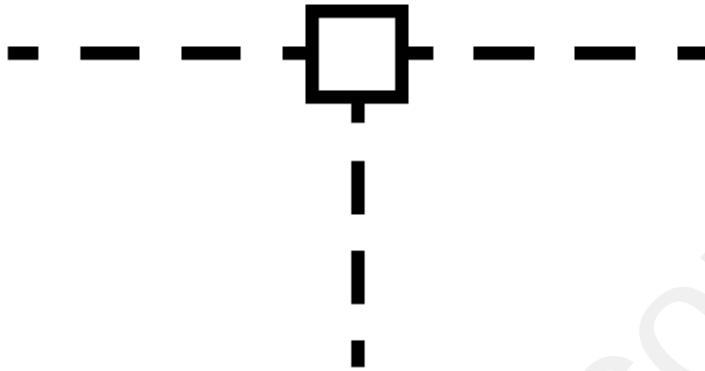


Option
Breakpoint

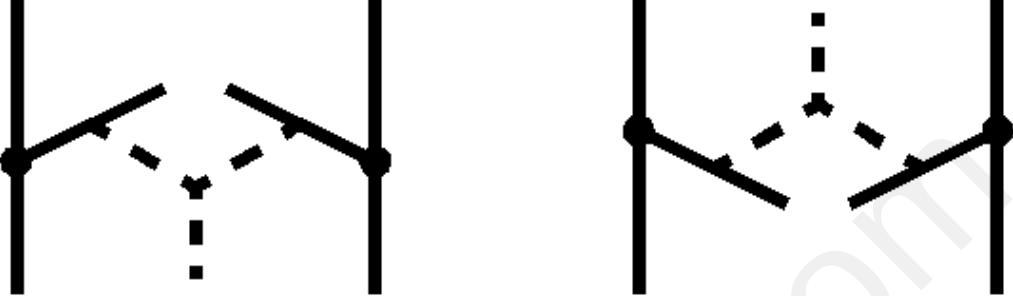


Symbol

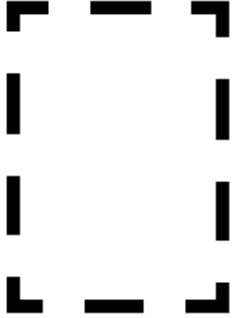
Description

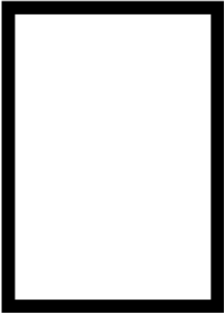


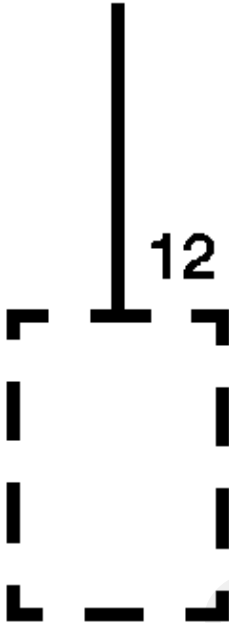
Ground
Circuit
Connection

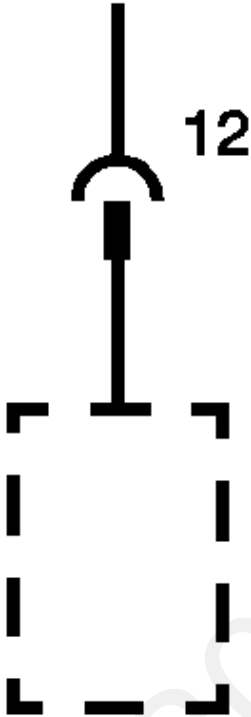
Symbol	Description
	Connector Shorting Clip

Component Parts	
Symbol	Description

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

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

Symbol	Description
	Connector Directly Attached to Component

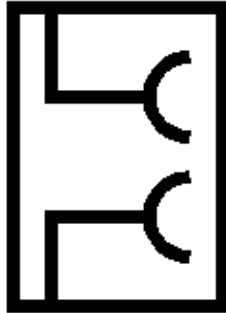
Symbol	Description
 The symbol for a Pigtail Connector consists of a vertical line at the top, followed by a semi-circular arc, then a small solid square, and another vertical line segment. Below this is a dashed square. The number '12' is positioned to the right of the top vertical line.	Pigtail Connector

Switches and Relays

Symbol	Description

Symbol

Description

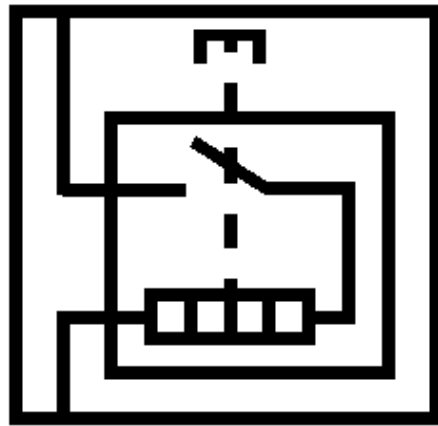


Accessory
Power Outlet

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Symbol

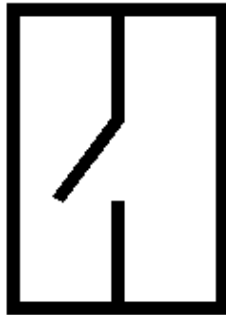
Description



Cigar Lighter

Symbol

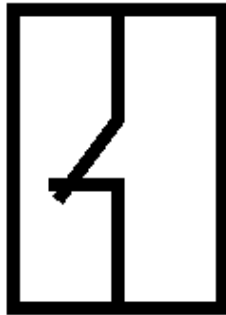
Description



Switch- 2
Position
Normally
Open

Symbol

Description

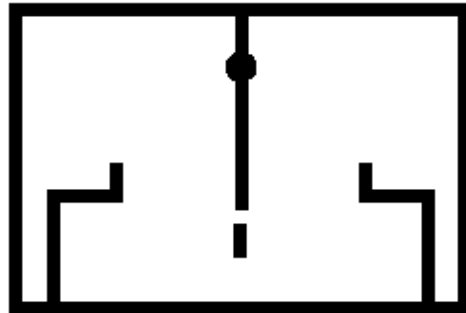


Switch- 2
Position
Normally
Closed

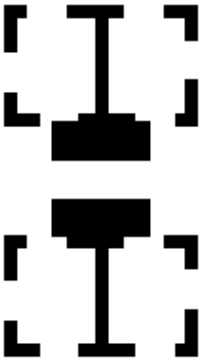
mcx30.com

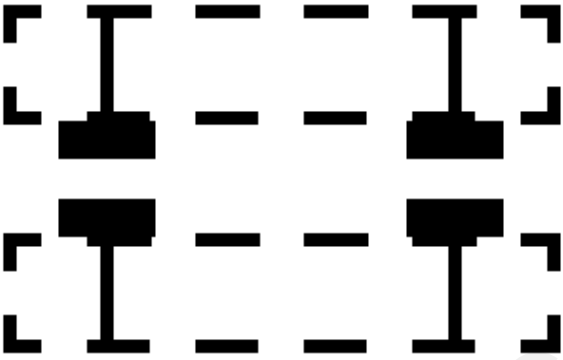
Symbol

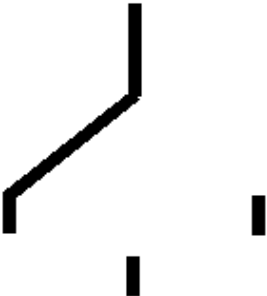
Description

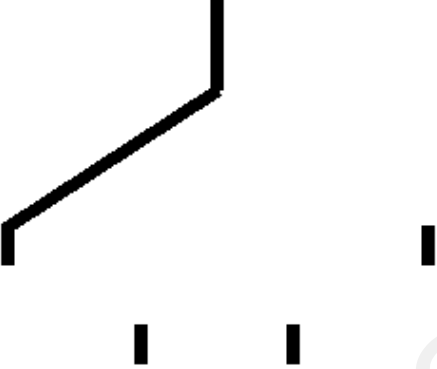


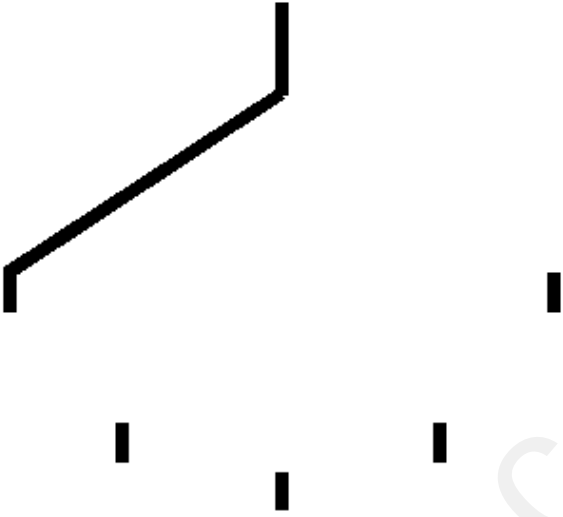
Switch-
Rocker

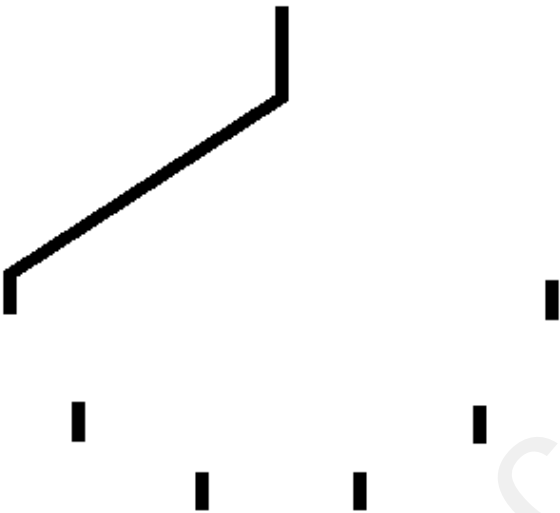
Symbol	Description
	Switch-Contact Plate (1 Wire)

Symbol	Description
	Switch- Contact Plate (2 Wire)

Symbol	Description
	Switch- 3 Position

Symbol	Description
	Switch- 4 Position

Symbol	Description
	Switch- 5 Position

Symbol	Description
 A schematic symbol for a switch, consisting of a horizontal line with a diagonal line segment crossing it at an angle, and a vertical line segment extending from the end of the diagonal line. Below the main symbol are five small vertical tick marks.	Switch- 6 Position

Symbol	Description
	Switch Actuator- Push (Momentary)

Symbol	Description
	Switch Actuator- Push (Latching)

Symbol	Description
	Switch Actuator- Pull (Momentary)

Symbol	Description
 The symbol is a schematic representation of a latching pull actuator switch. It features a stylized 'H' shape on the left, which is a common symbol for a switch. To the right of the 'H' is a vertical line, and further right are two short horizontal lines, indicating a latching mechanism. The entire symbol is rendered in a bold, black, sans-serif font.	Switch Actuator- Pull (Latching)

Symbol	Description
	Switch Actuator- Rotate (Momentary)

Symbol	Description
	Switch Actuator- Rotate (Latching)

Symbol	Description
	Switch Actuator- Slide (Momentary)

Symbol	Description
	Switch Actuator- Slide (Latching)

Symbol

Description

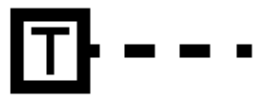


Switch
Actuator-
Pressure
(Momentary)

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Symbol

Description



Switch
Actuator-
Temperature
(Momentary)

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Symbol

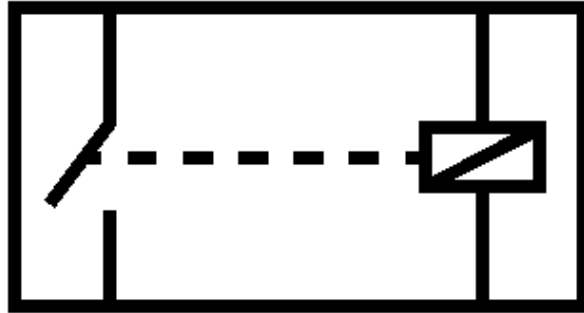
Description



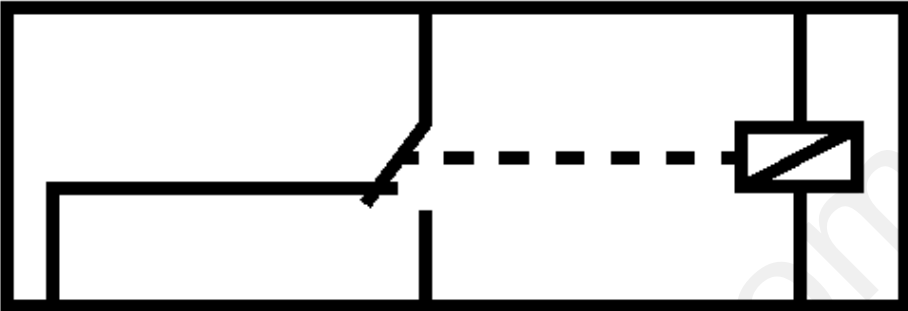
Switch
Actuator-
Volume
(Latching)

Symbol

Description



4-Pin Single
Pole/Throw
Relay-
Normally
Open

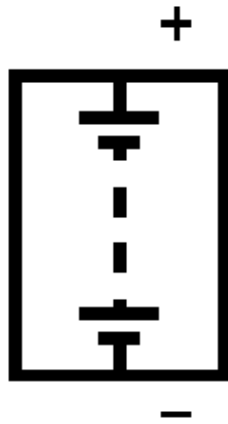
Symbol	Description
	5-Pin Relay- Normally Closed

Devices and Sensors

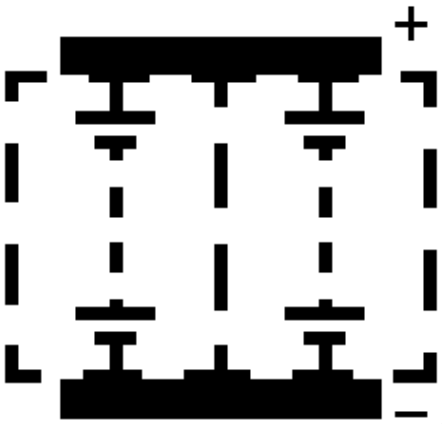
Symbol	Description

Symbol

Description



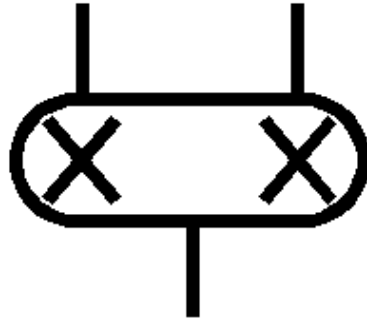
Battery

Symbol	Description
 The symbol depicts a battery assembly within a dashed rectangular frame. It features two solid horizontal bars at the top and bottom, representing the main battery rails. Between these rails, there are four vertical dashed lines, each with a small horizontal bar at its top and bottom, indicating individual battery cells or modules. A '+' sign is located at the top right corner of the assembly, and a '-' sign is at the bottom right corner.	Battery Assembly- Hybrid

Symbol	Description
	Single Filament Light Bulb

Symbol

Description



Double
Filament
Light Bulb

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Symbol

Description



Light
Emitting
Diode (LED)

Symbol

Description



Photo Sensor

Symbol

Description

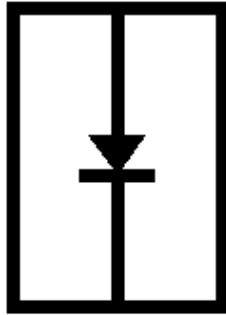


Gauge

mcx30.com

Symbol

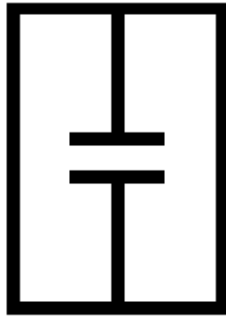
Description



Diode

Symbol

Description

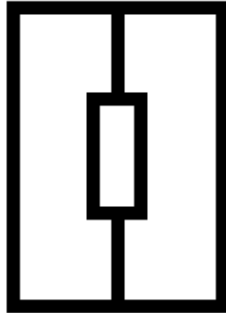


Capacitor

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Symbol

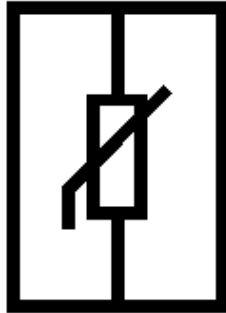
Description



Resistor

Symbol

Description

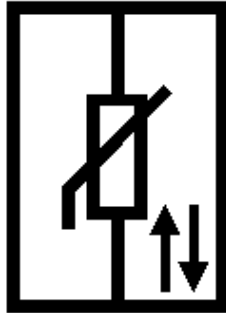


Variable
Resistor

mcx30.com

Symbol

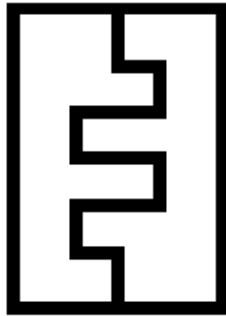
Description



Variable
Resistor-
NTC

Symbol

Description

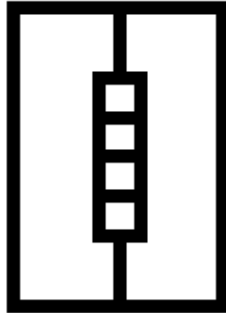


Breakable
Wire

mcx30.com

Symbol

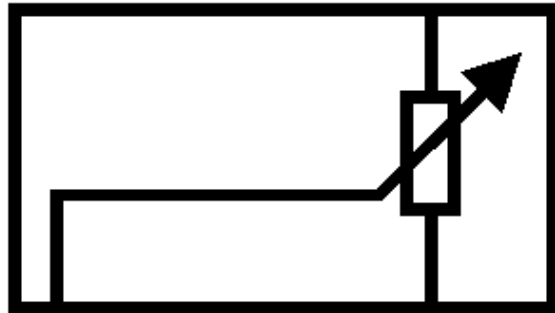
Description



Heating
Element

Symbol

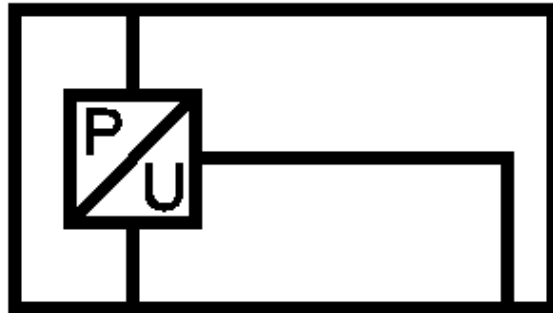
Description



Position
Sensor

Symbol

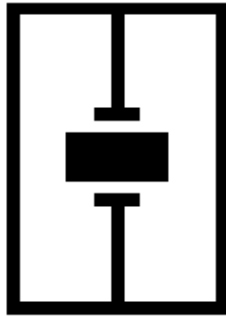
Description



Pressure
Sensor

Symbol

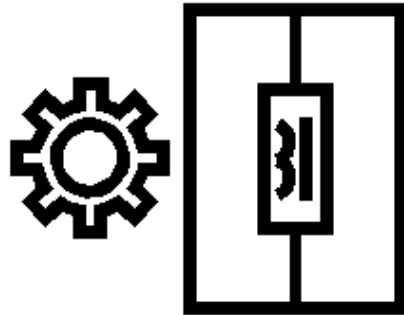
Description



Knock Sensor

Symbol

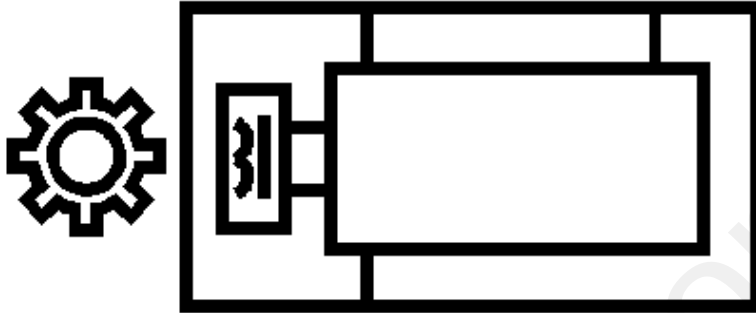
Description



Inductive
Type Sensor-
2-Wire

Symbol

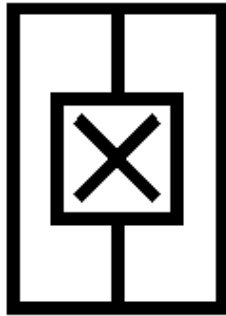
Description



Inductive
Type Sensor-
3-Wire

Symbol

Description

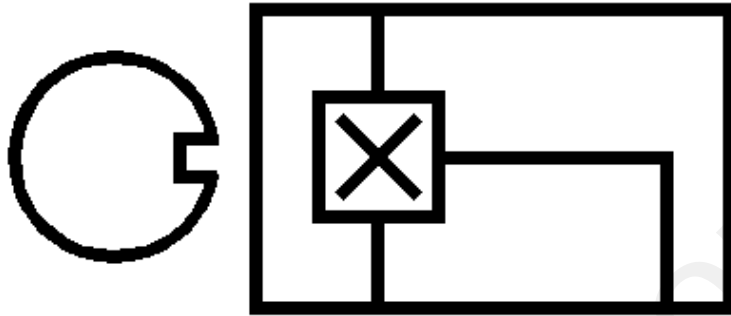


Hall Effect
Sensor- 2-
Wire

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Symbol

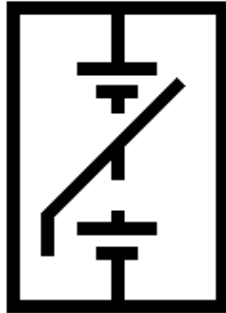
Description



Hall Effect
Sensor- 3-
Wire

Symbol

Description

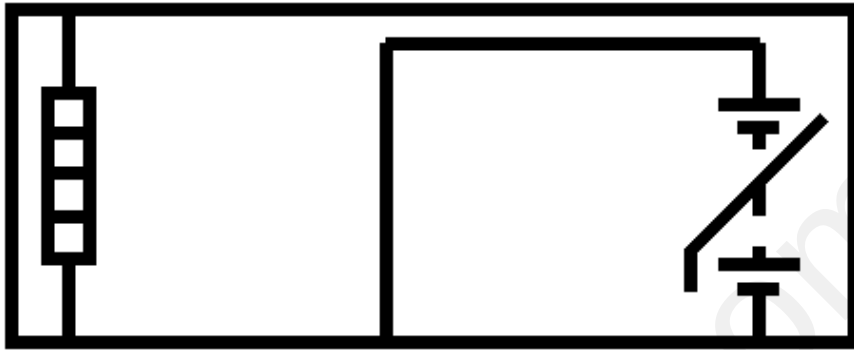


Oxygen
Sensor- 2-
Wire

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Symbol

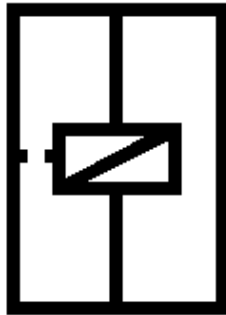
Description



Heated
Oxygen
Sensor- 4-
Wire

Symbol

Description

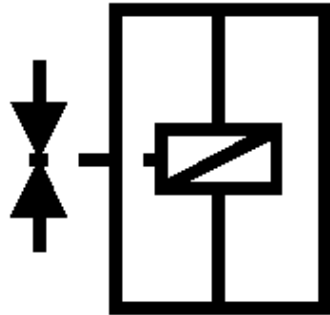


Solenoid-
Actuator

mcx30.com

Symbol

Description

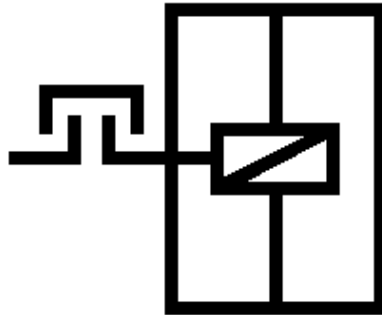


Solenoid-
Valve

mcx30.com

Symbol

Description

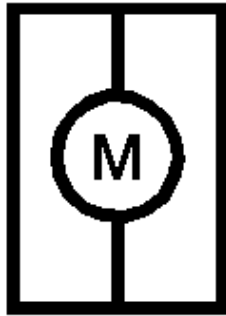


Clutch

mcx30.com

Symbol

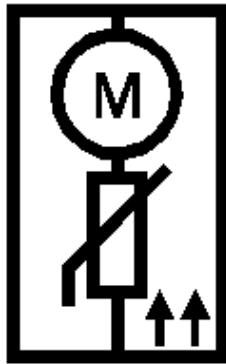
Description



Motor

Symbol

Description



Motor with
PTC

Symbol

Description

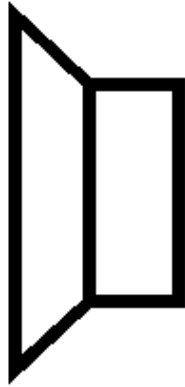


Antenna

mcx30.com

Symbol

Description



Speaker

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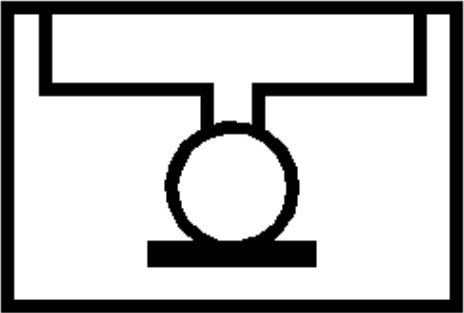
Symbol

Description



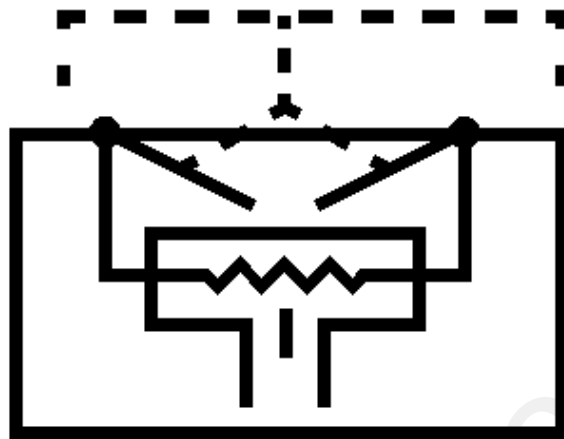
Horn

mcx30.com

Symbol	Description
	Microphone

Symbol

Description



Airbag

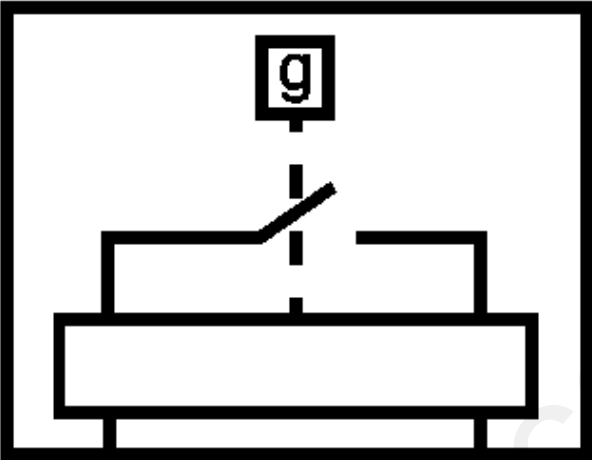
Symbol

Description



SIR Coil

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Symbol	Description
	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.

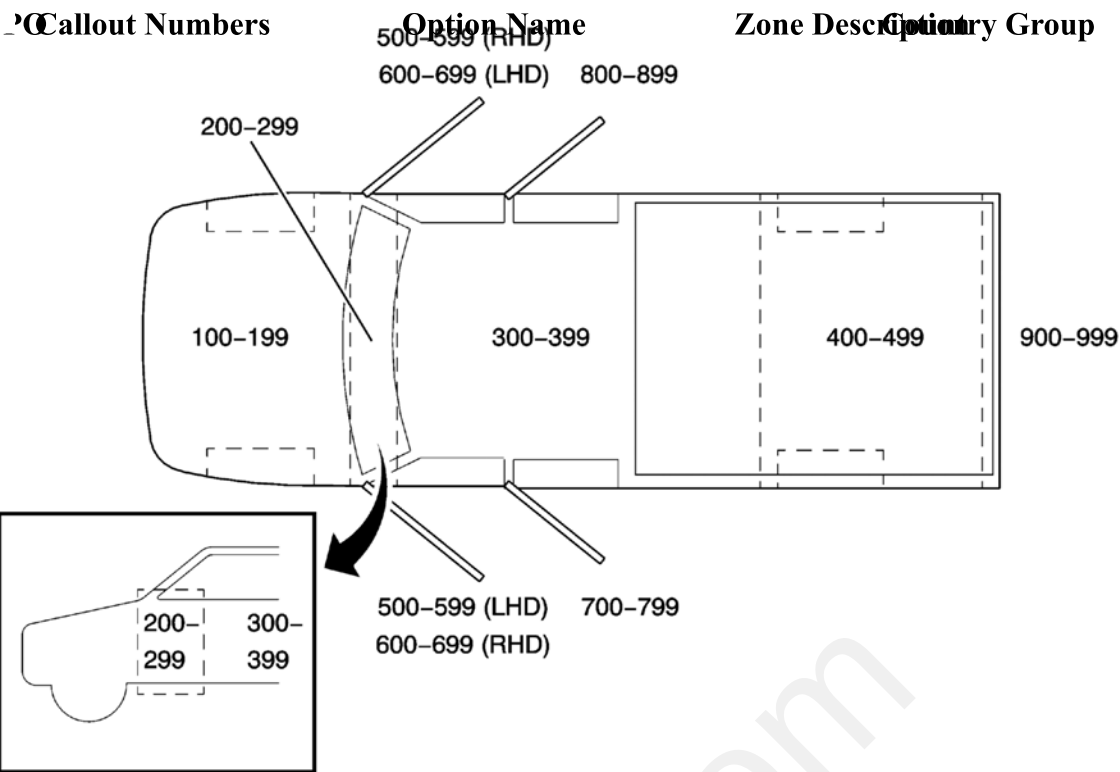


Fig. 64: Truck Zoning

Courtesy of GENERAL MOTORS COMPANY

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

SCHEMATICS RPO CODE LIST

RPO	Option Name	Country Group
43	CREW CAB	Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC)
53	EXTENDED CAB	U.S.A., PR and USVI (MAH), Canada (MBC)

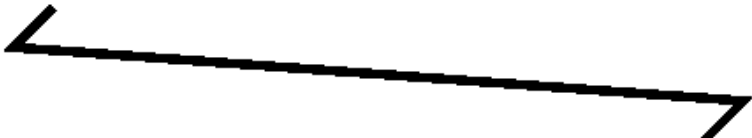
PO	Option Name	Country Group
8S3	ALARM B/U ELECTRICAL, 97 DECIBELS (SEO)	Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC)
AAQ	ADJUSTER PASS ST-POWER, 4 WAY	U.S.A., PR and USVI (MAH), Canada (MBC)
AL0	SENSOR INDICATOR INFLATABLE RESTRAINT, FRT PASS/CHILD PRESENCE DETECTOR	U.S.A., PR and USVI (MAH), Canada (MBC)
AL9	LUMBAR DRIVER-SEAT, POWER, 2 WAY	U.S.A., PR and USVI (MAH), Canada (MBC)
AT9	LUMBAR PASSENGER-SEAT, POWER, 2 WAY	U.S.A., PR and USVI (MAH), Canada (MBC)
ATG	LOCK CONTROL, ENTRY-REMOTE ENTRY, STANDARD RANGE	Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC)
C49	DEFOGGER-RR WINDOW, ELECTRIC	U.S.A., PR and USVI (MAH), Canada (MBC)
C74	LAMP-INTR, ROOF, DUAL READING	U.S.A., PR and USVI (MAH), Canada (MBC)
D6I	MIRROR I/S FRT VAN SUNSHADE, DRIVER, W/MIRROR, COVER, HOLDER, ILLUM PASS, W/MIRROR, COVER, ILLUM	U.S.A., PR and USVI (MAH), Canada (MBC)
DD8	MIRROR I/S R/V-LT SENSITIVE	U.S.A., PR and USVI (MAH), Canada (MBC)
DL6	MIRROR O/S-LH and RH, REMOTE CONTROL, ELECTRIC, MANUAL FOLDING, COLOR	Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC)
DL9	MIRROR O/S-LH and RH, REMOTE CONTROL, ELECTRIC, HEATED, CHROME	U.S.A., PR and USVI (MAH), Canada (MBC)
EARLY_PRODUCTION	EARLY PRODUCTION	Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC)
IO3	RADIO-INFOTAINMENT SYSTEM - BASE HMI	Mexico (MCX), U.S.A. and Canada (MBC)
IO4	RADIO-INFOTAINMENT SYSTEM - BASE HMI, ENHANCED CONNECTIVITY	Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC)
IO5	RADIO-INFOTAINMENT SYSTEM - UPLEVEL HMI, ENHANCED CONNECTIVITY	U.S.A., PR and USVI (MAH), Canada (MBC)
IO6	RADIO-INFOTAINMENT SYSTEM - UPLEVEL HMI, ENHANCED CONNECTIVITY, EMBEDDED NAVIGATION	U.S.A., PR and USVI (MAH), Canada (MBC)
JL1	CONTROL-INTEGRATED TRAILER BRAKE	U.S.A., PR and USVI (MAH), Canada (MBC)
K34	CRUISE CONTROL-AUTOMATIC, ELECTRONIC	Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC)
KA1	HEATER SEAT FRT-DRVR and PASS	U.S.A., PR and USVI (MAH), Canada (MBC)

PO	Option Name	Country Group
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM	Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC)
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM	Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC)
LWN	ENGINE-DIESEL, 2.8L, DI, L4, DOHC, TURBO, EURO4, 140KW, GMNA	U.S.A., PR and USVI (MAH), Canada (MBC)
MYB	TRANSMISSION-AUTO 6 SPD, 6L50	Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC)
N8D	TRANSMISSION-MAN 6 SPD, 85MM, 4.45 1ST, 2.56 2ND, 1.53 3RD, 1.00 4TH, 0.87 5TH, 0.76 6TH	U.S.A., PR and USVI (MAH), Canada (MBC)
NQ6	TRANSFER CASE-2 SPD, ACTIVE, PART TIME 4WD, L/H DROP, LOW RATIO 2.72:1	U.S.A., PR and USVI (MAH), Canada (MBC)
NQ7	TRANSFER CASE-2 SPD, SWITCH ACTIVATED, PART TIME 4WD, L/H DROP, LOW RATIO 2.72:1	Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC)
SAO	ACCESSORY SMOKERS PACKAGE	Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC)
S0Y	ACCESSORY-LAMPS - CARGO AREA	U.S.A., PR and USVI (MAH), Canada (MBC)
T3U	LAMP FRT FOG-FRT FOG	U.S.A., PR and USVI (MAH), Canada (MBC)
TCA	LAMP-DOME, CENTER	U.S.A., PR and USVI (MAH), Canada (MBC)
TG5	PLAYER-COMPACT DISC AND MP3	U.S.A., PR and USVI (MAH), Canada (MBC)
TR0	LAMP-INTR, ROOF, RR, COURTESY and DUAL READING	U.S.A., PR and USVI (MAH), Canada (MBC)
U2M	DIGITAL AUDIO SYSTEM-S-BAND AND HD	U.S.A., PR and USVI (MAH), Canada (MBC)
UDC	DISPLAY INSTRUMENT DRIVER INFO ENHANCED (ONE COLOR GRAPHIC)	Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC)
UDD	DISPLAY INSTRUMENT-DRIVER INFO ENHANCED (MULTI COLOR STANDARD GRAPHIC)	U.S.A., PR and USVI (MAH), Canada (MBC)
UE1	COMMUNICATION SYSTEM-VEHICLE, ONSTAR	Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC)
UEU	SENSOR INDICATOR-FORWARD COLLISION ALERT	U.S.A., PR and USVI (MAH), Canada (MBC)
UFL	LANE ACTIVE SAFETY-DEPARTURE WARNING	U.S.A., PR and USVI (MAH), Canada (MBC)
UQA	SPEAKER SYSTEM-PREMIUM AUDIO BRANDED WITH AMPLIFIER	U.S.A., PR and USVI (MAH), Canada (MBC)
UQ3	SPEAKER SYSTEM ENHANCED AUDIO	U.S.A., PR and USVI (MAH), Canada (MBC)

PO	Icon	Option Name	Icon Definition Group
UTJ		THEFT DETERRENT ELECTRICAL, UNAUTHORIZED ENTRY	U.S.A., PR and USVI (MAH), Canada (MBC)
U2K		DIGITAL AUDIO SYSTEM S-BAND	U.S.A., PR and USVI (MAH), Canada (MBC)
VV4		COMMUNICATION EQUIP-MOBILE INTERNET CONNECTIVITY	U.S.A., PR and USVI (MAH), Canada (MBC)
W1Y		CONTROL-STEERING WHEEL, RADIO, REDUNDANT CONTROLS	U.S.A., PR and USVI (MAH), Canada (MBC)
X88		CONVERSION NAME PLT CHEVROLET	Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC)
Z82		TRAILER PROVISIONS-SPECIAL EQUIPMENT, H.D.	Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC)
Z88		MARKET BRAND-GMC	U.S.A., PR and USVI (MAH), Canada (MBC)

MASTER ELECTRICAL WIRING SCHEMATIC ICONS

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.

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 10 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 WIRING SCHEMATICS

B+ Bus X50D Fuse Block - Battery

Component Name

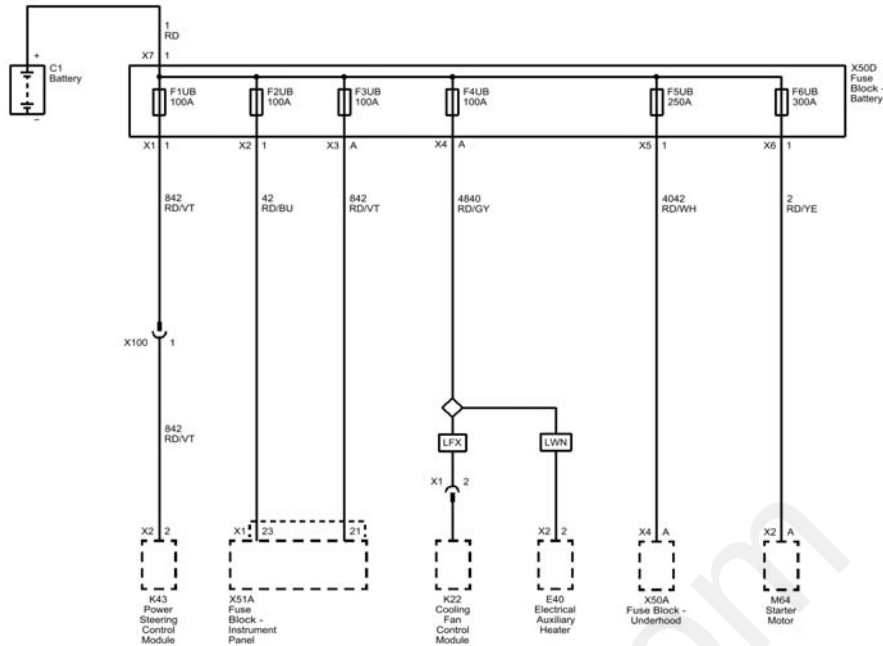


Fig. 65: B+ Bus X50D Fuse Block - Battery
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Unfused Battery Positive Voltage
1_RD	1 RD
CAV_1	1
CONN_X7	X7
4042	Battery Positive Voltage
4042_RD/WH	4042 RD/WH
CAV_A	A
CONN_X4	X4
CAV_1	1
CONN_X5	X5
842	Battery Positive Voltage
CAV_1	1
CONN_X1	X1
42	Battery Positive Voltage
CAV_1	1
CONN_X2	X2
CAV_2	2
CONN_X2	X2
CAV_A	A
CONN_X3	X3

	Component Name
CAV_1	1
842_RD/VT	842 RD/VT
842_RD/VT	842 RD/VT
42_RD/BU	42 RD/BU
842_RD/VT	842 RD/VT
4840	Battery Positive Voltage
4840_RD/GY	4840 RD/GY
CAV_2	2
2	Battery Positive Voltage
2_RD/YE	2 RD/YE
CAV_A	A
CONN_X2	X2
CAV_1	1
CONN_X6	X6
CAV_A	A
CONN_X4	X4
CAV_23	23
CONN_X1	X1
CAV_21	21
CAV_2	2
CONN_X2	X2
LWN	ENGINE-ENGINE DIESEL, 2.8L, DI, L4, DOHC, TURBO, XLDE (U.S.A., PR and USVI (MAH), Canada (MBC))
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
F5UB	F5UB 250A
F1UB	F1UB 100A
F2UB	F2UB 100A
F3UB	F3UB 100A
F4UB	F4UB 100A
X100	X100
X1	X1
F6UB	F6UB 300A
C1	C1 Battery
X50D	X50D Fuse Block - Battery
K43	K43 Power Steering Control Module
K22	K22 Cooling Fan Control Module (LCV/LFX)
X50A	X50A Fuse Block - Underhood
M64	M64 Starter Motor
X51A	X51A Fuse Block - Instrument Panel
E40	E40 Electrical Auxiliary Heater (LWN)

B+ Bus X50A Fuse Block - Underhood (1 of 2)

Component Name

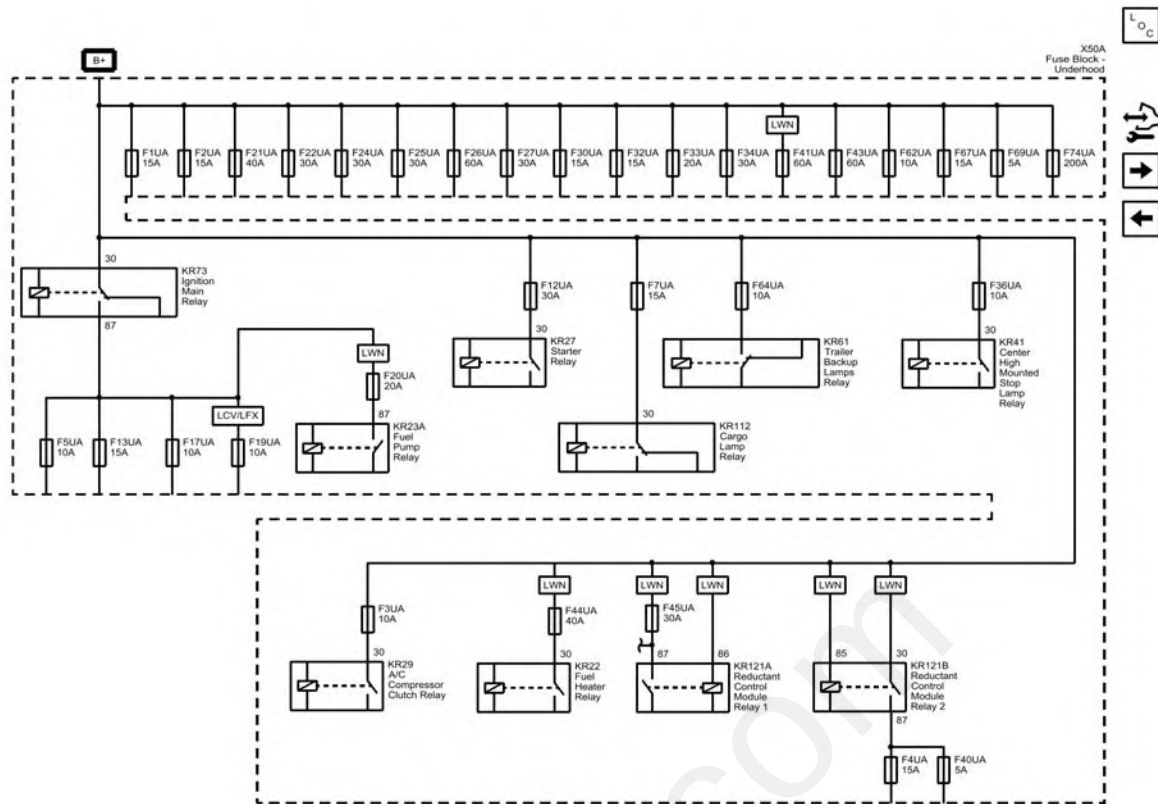


Fig. 66: B+ Bus X50A Fuse Block - Underhood (1 of 2)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAV_30	30
CAV_87	87
CAV_30	30
CAV_30	30
CAV_30	30
CAV_30	30
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_30	30
LWN	ENGINE-ENGINE DIESEL, 2.8L, DI, L4, DOHC, TURBO, XLDE (U.S.A., PR and USVI (MAH), Canada (MBC))
LWN	ENGINE-ENGINE DIESEL, 2.8L, DI, L4, DOHC, TURBO, XLDE (U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_87	87
CAV_86	86
CAV_85	85
CAV_30	30
CAV_87	87

	Component Name
LWN	ENGINE-ENGINE DIESEL, 2.8L, DI, L4, DOHC, TURBO, XLDE (U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_87	87
LWN	ENGINE-ENGINE DIESEL, 2.8L, DI, L4, DOHC, TURBO, XLDE (U.S.A., PR and USVI (MAH), Canada (MBC))
LWN	ENGINE-ENGINE DIESEL, 2.8L, DI, L4, DOHC, TURBO, XLDE (U.S.A., PR and USVI (MAH), Canada (MBC))
LWN	ENGINE-ENGINE DIESEL, 2.8L, DI, L4, DOHC, TURBO, XLDE (U.S.A., PR and USVI (MAH), Canada (MBC))
LWN	ENGINE-ENGINE DIESEL, 2.8L, DI, L4, DOHC, TURBO, XLDE (U.S.A., PR and USVI (MAH), Canada (MBC))
F1UA	F1UA 15A
F2UA	F2UA 15A
F21UA	F21UA 40A
F22UA	F22UA 30A
F24UA	F24UA 30A
F25UA	F25UA 30A
F26UA	F26UA 60A
F27UA	F27UA 30A
F30UA	F30UA 15A
F62UA	F62UA 10A
F12UA	F12UA 30A
F3UA	F3UA 10A
F5UA	F5UA 10A
F13UA	F13UA 15A
F17UA	F17UA 10A
F19UA	F19UA 10A
F7UA	F7UA 15A
F64UA	F64UA 10A
F33UA	F33UA 20A
F34UA	F34UA 30A
F43UA	F43UA 60A
F36UA	F36UA 10A
F67UA	F67UA 15A
F69UA	F69UA 5A
F74UA	F74UA 200A
F32UA	F32UA 15A
F41UA	F41UA 60A
F44UA	F44UA 40A
F45UA	F45UA 30A
F40UA	F40UA 5A
F4UA	F4UA 15A
F20UA	F20UA 20A
KR27	KR27 Starter Relay
KR29	KR29 A/C Compressor Clutch Relay
KR61	KR61 Trailer Backup Lamp Relay

	Component Name
KR41	KR41 Center High Mounted Stop Lamp Relay
KR112	KR112 Cargo Lamp Relay
KR73	KR73 Ignition Main Relay
X50A	X50A Fuse Block - Underhood
KR22	KR22 Fuel Heater Relay
KR121A	KR121A Reductant Control Module Relay 1
KR121B	KR121B Reductant Control Module Relay 2
KR23A	KR23A Fuel Pump Relay

B+ Bus X50A Fuse Block - Underhood (2 of 2)

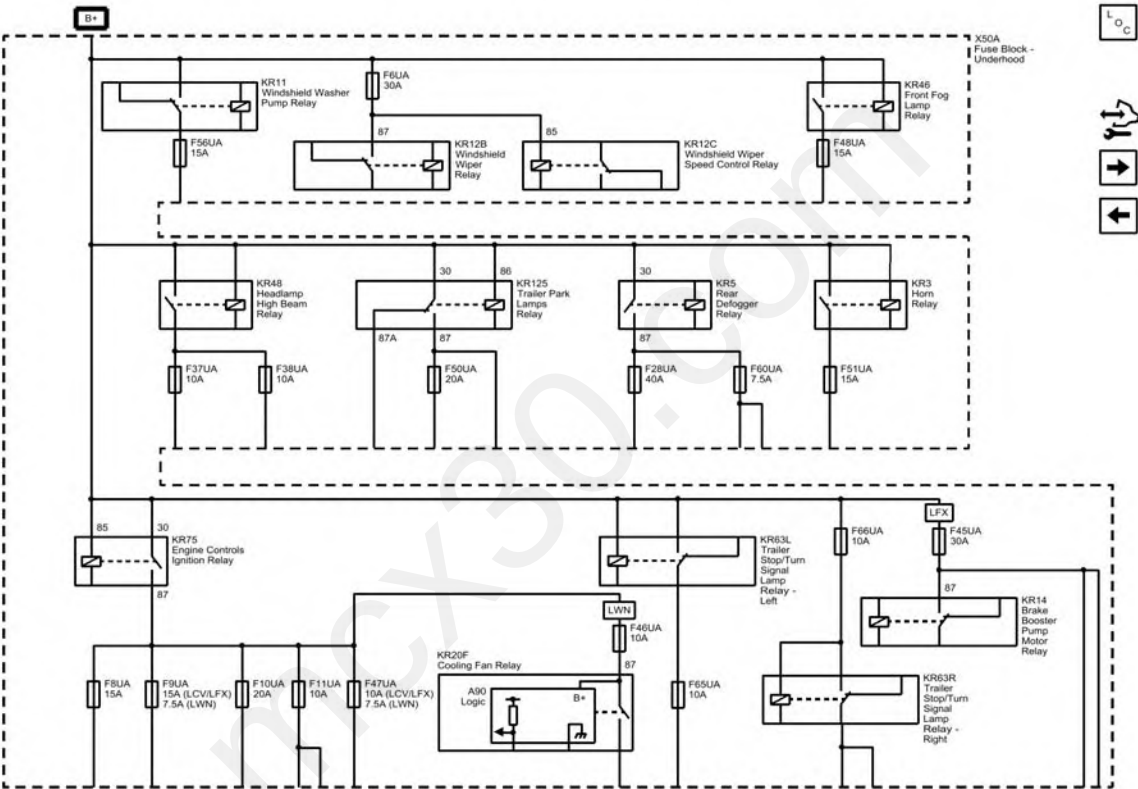


Fig. 67: B+ Bus X50A Fuse Block - Underhood (2 of 2)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAV_87	87
CAV_85	85
CAV_87	87
CAV_86	86
CAV_30	30
CAV_87	87
CAV_85	85
CAV_30	30
CAV_87	87

	Component Name
CAV_87	87
CAV_87A	87A
CAV_30	30
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_87	87
LWN	ENGINE-ENGINE DIESEL, 2.8L, DI, L4, DOHC, TURBO, XLDE (U.S.A., PR and USVI (MAH), Canada (MBC))
F37UA	F37UA 10A
F38UA	F38UA 10A
F50UA	F50UA 20A
F28UA	F28UA 40A
F60UA	F60UA 7.5A
F51UA	F51UA 15A
F56UA	F56UA 15A
F6UA	F6UA 30A
F48UA	F48UA 15A
F9UA	F9UA 15A (LCV/LFX) 7.5A (LWN)
F10UA	F10UA 20A
F11UA	F11UA 10A
F47UA	F47UA 10A (LCV/LFX) 7.5A (LWN)
F45UA	F45UA 30A
F8UA	F8UA 15A
F66UA	F66UA 10A
F65UA	F65UA 10A
F46UA	F46UA 10A
KR46	KR46 Front Fog Lamp Relay
KR12B	KR12B Windshield Wiper Relay
KR48	KR48 Headlamp High Beam Relay
KR5	KR5 Rear Defogger Relay
KR3	KR3 Horn Relay
KR12C	KR12C Windshield Wiper Speed Control Relay
KR75	KR75 Engine Controls Ignition Relay
KR14	KR14 Brake Booster Pump Motor Relay
KR125	KR125 Trailer Park Lamps Relay
KR63R	KR63R Trailer Stop/Turn Signal Lamp Relay - Right
KR63L	KR63L Trailer Stop/Turn Signal Lamp Relay - Left
X50A	X50A Fuse Block - Underhood
A90	A90 Logic
KR20F	KR20F Cooling Fan Relay
KR11	KR11 Windshield Washer Pump Relay

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

Component Name

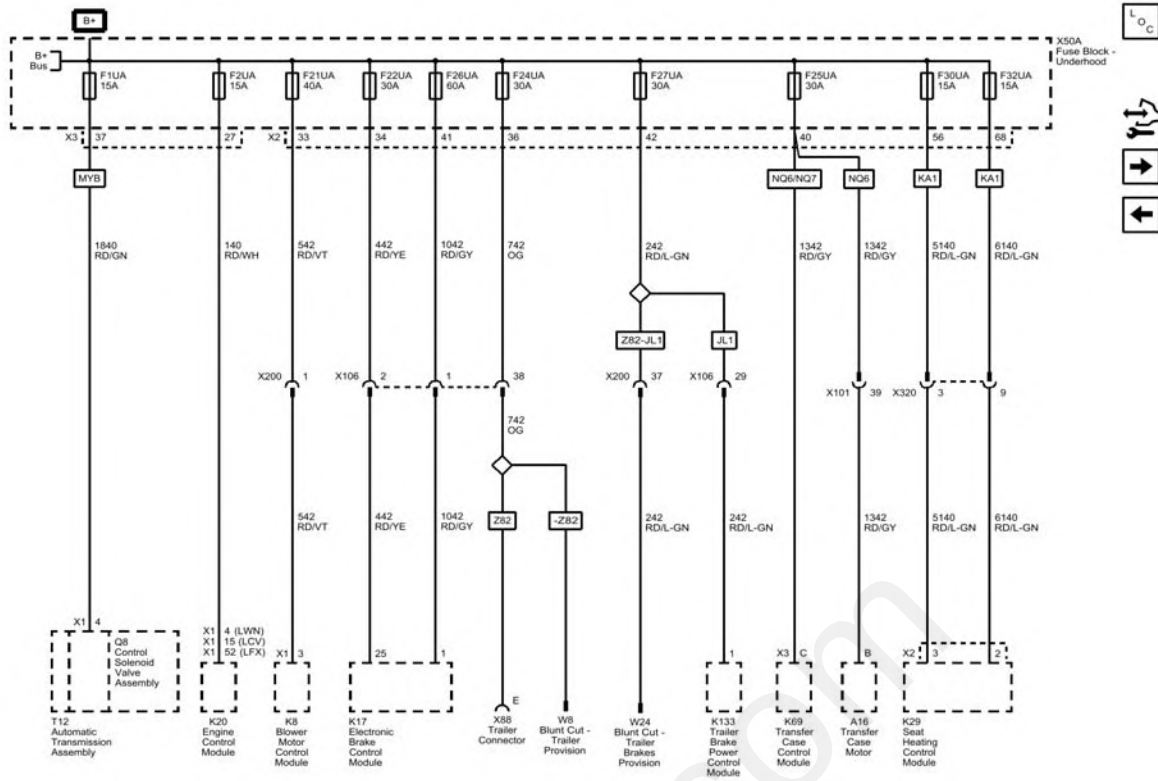


Fig. 68: F1UA, F2UA, F21UA, F22UA, F24UA, F25UA, F26UA, F27UA, F30UA, and F32UA Fuses
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAV_37	37
140	Battery Positive Voltage
140_RD/WH	140 RD/WH
CAV_52	52
CONN_X1	X1
CAV_27	27
CONN_X2	X2
CAV_36	36
1342	Battery Positive Voltage
CAV_40	40
442	Battery Positive Voltage
442_RD/YE	442 RD/YE
CAV_25	25
1042	Battery Positive Voltage
1042_RD/GY	1042 RD/GY
CAV_1	1
6140	Battery Positive Voltage
1342_RD/GY	1342 RD/GY
1840	Battery Positive Voltage

	Component Name
1840_RD/GN	1840 RD/GN
CAV_4	4
CONN_X1	X1
CONN_X3	X3
CAV_15	15
CONN_X1	X1
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
542	Battery Positive Voltage
542_RD/VT	542 RD/VT
CAV_1	1
CAV_34	34
CAV_41	41
5140	Battery Positive Voltage
CAV_B	B
NQ6	TRANSFER CASE-2 SPD, ACTIVE, PART TIME 4WD, L/H DROP, LOW RATIO 2.72:1 (U.S.A., PR and USVI (MAH), Canada (MBC))
NQ7	TRANSFER CASE-2 SPD, SWITCH ACTIVATED, PART TIME 4WD, L/H DROP, LOW RATIO 2.72:1 (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
1342_RD/GY	1342 RD/GY
CAV_C	C
CONN_X3	X3
CAV_39	39
242	Battery Positive Voltage
242_RD/L-GN	242 RD/L-GN
CAV_37	37
742	Battery Positive Voltage
742_OG	742 OG
CAV_38	38
CAV_E	E
Z82	TRAILER PROVISIONS-SPECIAL EQUIPMENT, H.D. (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_56	56
CAV_68	68
5140_RD/L-GN	5140 RD/L-GN
6140_RD/L-GN	6140 RD/L-GN
CAV_42	42
Z82	TRAILER PROVISIONS-SPECIAL EQUIPMENT, H.D. (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
242_RD/L-GN	242 RD/L-GN
542_RD/VT	542 RD/VT
442_RD/YE	442 RD/YE
1042_RD/GY	1042 RD/GY
1342_RD/GY	1342 RD/GY

	Component Name
5140_RD/L-GN	5140 RD/L-GN
6140_RD/L-GN	6140 RD/L-GN
CAV_3	3
CONN_X2	X2
CAV_2	2
KA1	HEATER SEAT FRT-DRVR and PASS (U.S.A., PR and USVI (MAH), Canada (MBC))
KA1	HEATER SEAT FRT-DRVR and PASS (U.S.A., PR and USVI (MAH), Canada (MBC))
MYB	TRANSMISSION-AUTO 6 SPD, 6L50 (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_3	3
CONN_X1	X1
742_OG	742 OG
NQ6	TRANSFER CASE-2 SPD, ACTIVE, PART TIME 4WD, L/H DROP, LOW RATIO 2.72:1 (U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_4	4
CONN_X1	X1
LWN	ENGINE-ENGINE DIESEL, 2.8L, DI, L4, DOHC, TURBO, XLDE (U.S.A., PR and USVI (MAH), Canada (MBC))
Z82	TRAILER PROVISIONS-SPECIAL EQUIPMENT, H.D. (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
JL1	CONTROL-INTEGRATED TRAILER BRAKE (U.S.A., PR and USVI (MAH), Canada (MBC))
242_RD/L-GN	242 RD/L-GN
JL1	CONTROL-INTEGRATED TRAILER BRAKE (U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_29	29
CAV_1	1
X106	X106
CAV_2	2
CAV_1	1
X320	X320
CAV_3	3
CAV_9	9
F1UA	F1UA 15A
F2UA	F2UA 15A
F21UA	F21UA 40A
F24UA	F24UA 30A
F25UA	F25UA 30A
F22UA	F22UA 30A
F26UA	F26UA 60A
F32UA	F32UA 15A
X200	X200
F30UA	F30UA 15A
X101	X101

Callout	Component Name
F27UA	F27UA 30A
X200	X200
X106	X106
X106	X106
X320	X320
X50A	X50A Fuse Block - Underhood
Q8	Q8 Control Solenoid Valve Assembly (MYB)
K20	K20 Engine Control Module
K17	K17 Electronic Brake Control Module
K8	K8 Blower Motor Control Module
K69	K69 Transfer Case Control Module (NQ6/NQ7)
A16	A16 Transfer Case Motor (NQ6/NQ7)
T12	T12 Automatic Transmission Assembly (MYB)
X88	X88 Trailer Connector (Z82)
W24	W24 Blunt Cut - Trailer Brakes Provision (Z82)
K29	K29 Seat Heating Control Module (KA1)
W8	W8 Blunt Cut - Trailer Provision
K133	K133 Trailer Brake Power Control Module (JL1)

F3UA, F33UA, F34UA, F43UA, F62UA, F67UA, F69UA, and F74UA Fuses

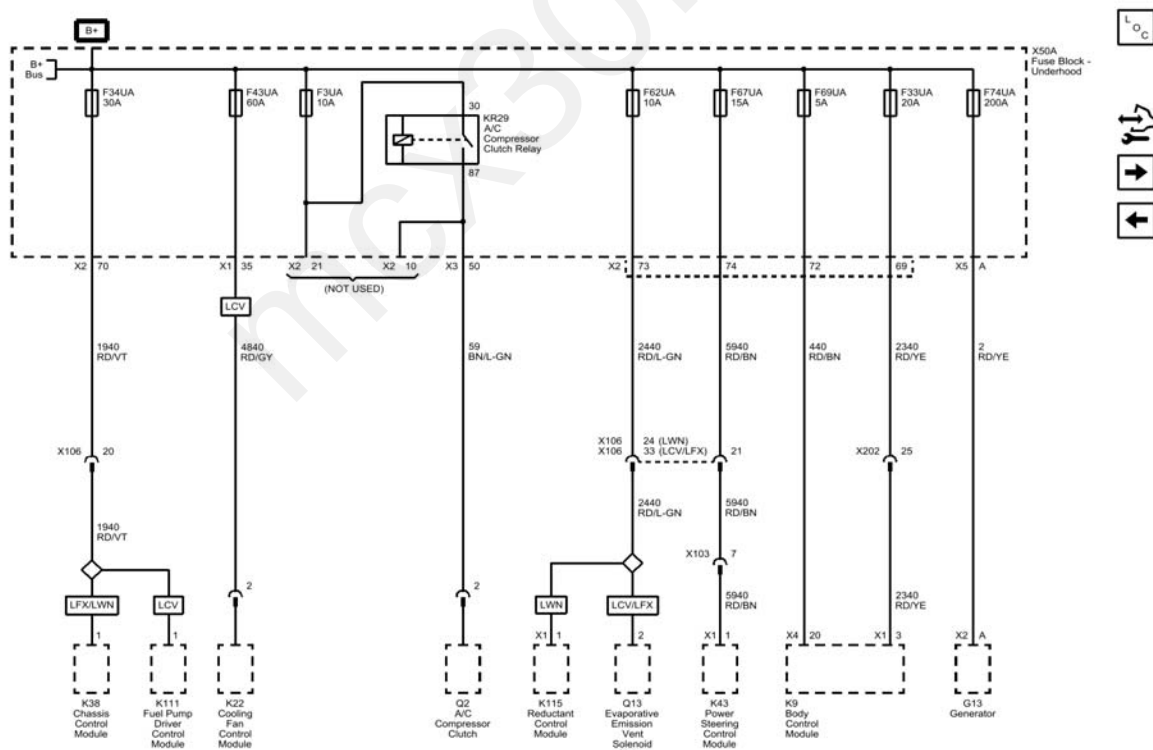


Fig. 69: F3UA, F33UA, F34UA, F43UA, F62UA, F67UA, F69UA, and F74UA Fuses
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAV_30	30
CAV_87	87
1940	Battery Positive Voltage
4840	Battery Positive Voltage
CAV_21	21
59	A/C Compressor Clutch Supply Voltage
59_BN/L-GN	59 BN/L-GN
CAV_50	50
CAV_10	10
CONN_X2	X2
2440	Battery Positive Voltage
5940	Battery Positive Voltage
CAV_74	74
440	Battery Positive Voltage
CAV_72	72
CAV_20	20
CONN_X4	X4
2	Battery Positive Voltage
CAV_A	A
CONN_X2	X2
CONN_X2	X2
CONN_X3	X3
CAV_1	1
1940_RD/VT	1940 RD/VT
CAV_70	70
CONN_X2	X2
CAV_20	20
1940_RD/VT	1940 RD/VT
4840_RD/GY	4840 RD/GY
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_A	A
CONN_X5	X5
CAV_73	73
CONN_X2	X2
CAV_2	2
2440_RD/L-GN	2440 RD/L-GN
5940_RD/BN	5940 RD/BN
440_RD/BN	440 RD/BN
2_RD/YE	2 RD/YE
CAV_2	2
CAV_7	7
CAV_1	1
CONN_X1	X1
5940_RD/BN	5940 RD/BN

Callout	Component Name
5940_RD/BN	5940 RD/BN
CAV_35	35
CONN_X1	X1
2440_RD/L-GN	2440 RD/L-GN
CAV_1	1
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
2340	Battery Positive Voltage
CAV_69	69
CAV_3	3
CONN_X1	X1
2340_RD/YE	2340 RD/YE
CAV_25	25
2340_RD/YE	2340 RD/YE
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LWN	ENGINE-ENGINE DIESEL, 2.8L, DI, L4, DOHC, TURBO, XLDE (U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_24	24
LWN	ENGINE-ENGINE DIESEL, 2.8L, DI, L4, DOHC, TURBO, XLDE (U.S.A., PR and USVI (MAH), Canada (MBC))
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_1	1
CONN_X1	X1
LWN	ENGINE-ENGINE DIESEL, 2.8L, DI, L4, DOHC, TURBO, XLDE (U.S.A., PR and USVI (MAH), Canada (MBC))
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_2	2
X106	X106
CAV_33	33
CAV_21	21
F34UA	F34UA 30A
F43UA	F43UA 60A
F3UA	F3UA 10A
F62UA	F62UA 10A
F67UA	F67UA 15A
F69UA	F69UA 5A
F74UA	F74UA 200A
X106	X106
X103	X103

Callout	Component Name
F33UA	F33UA 20A
X202	X202
X106	X106
KR29	KR29 A/C Compressor Clutch Relay
Q2	Q2 A/C Compressor Clutch
X50A	X50A Fuse Block - Underhood
K22	K22 Cooling Fan Control Module (LCV/LFX)
G13	G13 Generator
Q13	Q13 Evaporative Emission Vent Solenoid Valve
K43	K43 Power Steering Control Module
K38	K38 Chassis Control Module
K111	K111 Fuel Pump Driver Control Module (LCV)
K9	K9 Body Control Module
K115	K115 Reductant Control Module (LWN)

F4UA, F40UA, F41UA, and F45UA Fuses (LWN)

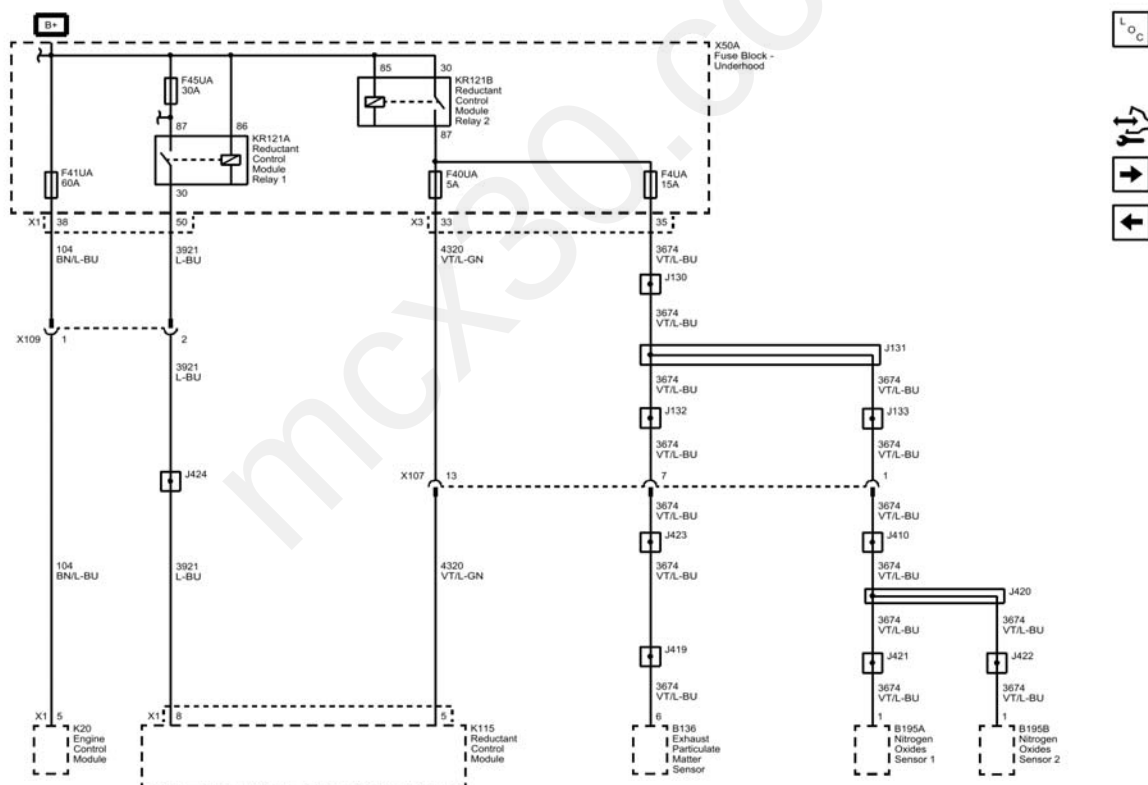


Fig. 70: F4UA, F40UA, F41UA, and F45UA Fuses (LWN)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAV_87	87
CAV_86	86
CAV_85	85

	30	Component Name
CAV_87	87	
CAV_30	30	
3674	Nox Sensor (1) Supply Voltage	
3674_VT/L-BU	3674 VT/L-BU	
CAV_6	6	
CAV_35	35	
3674_VT/L-BU	3674 VT/L-BU	
3674_VT/L-BU	3674 VT/L-BU	
3674_VT/L-BU	3674 VT/L-BU	
CAV_1	1	
4320	Selective Catalytic Reduction Power Module Wake Up Signal	
4320_VT/L-GN	4320 VT/L-GN	
CAV_5	5	
4320_VT/L-GN	4320 VT/L-GN	
3921	DEF Heater Supply #1	
3921_L-BU	3921 L-BU	
CAV_50	50	
3921_L-BU	3921 L-BU	
3674_VT/L-BU	3674 VT/L-BU	
CAV_1	1	
CAV_33	33	
CONN_X3	X3	
CAV_8	8	
CONN_X1	X1	
104	Glow Plug Supply Voltage	
104_BN/L-BU	104 BN/L-BU	
CAV_38	38	
CONN_X1	X1	
CAV_5	5	
CONN_X1	X1	
104_BN/L-BU	104 BN/L-BU	
3674_VT/L-BU	3674 VT/L-BU	
3674_VT/L-BU	3674 VT/L-BU	
3674_VT/L-BU	3674 VT/L-BU	
3674_VT/L-BU	3674 VT/L-BU	
3674_VT/L-BU	3674 VT/L-BU	
3674_VT/L-BU	3674 VT/L-BU	
3674_VT/L-BU	3674 VT/L-BU	
3674_VT/L-BU	3674 VT/L-BU	
3674_VT/L-BU	3674 VT/L-BU	
3674_VT/L-BU	3674 VT/L-BU	
3921_L-BU	3921 L-BU	
X107	X107	
CAV_13	13	
CAV_7	7	

	Component Name
CAV_1	1
X109	X109
CAV_1	1
CAV_2	2
F45UA	F45UA 30A
F4UA	F4UA 15A
F40UA	F40UA 5A
F41UA	F41UA 60A
J419	J419
J421	J421
J422	J422
J420	J420
J410	J410
J130	J130
J131	J131
J132	J132
J133	J133
J423	J423
J424	J424
X107	X107
X109	X109
KR121A	KR121A Reductant Control Module Relay 1
KR121B	KR121B Reductant Control Module Relay 2
K115	K115 Reductant Control Module (LWN)
B136	B136 Exhaust Particulate Matter Sensor (LWN)
B195A	B195A Nitrogen Oxides Sensor 1 (LWN)
B195B	B195B Nitrogen Oxides Sensor 2 (LWN)
K20	K20 Engine Control Module
X50A	X50A Fuse Block - Underhood

F5UA, F12UA, F13UA, F17UA, F19UA, and F20UA Fuses

Component Name

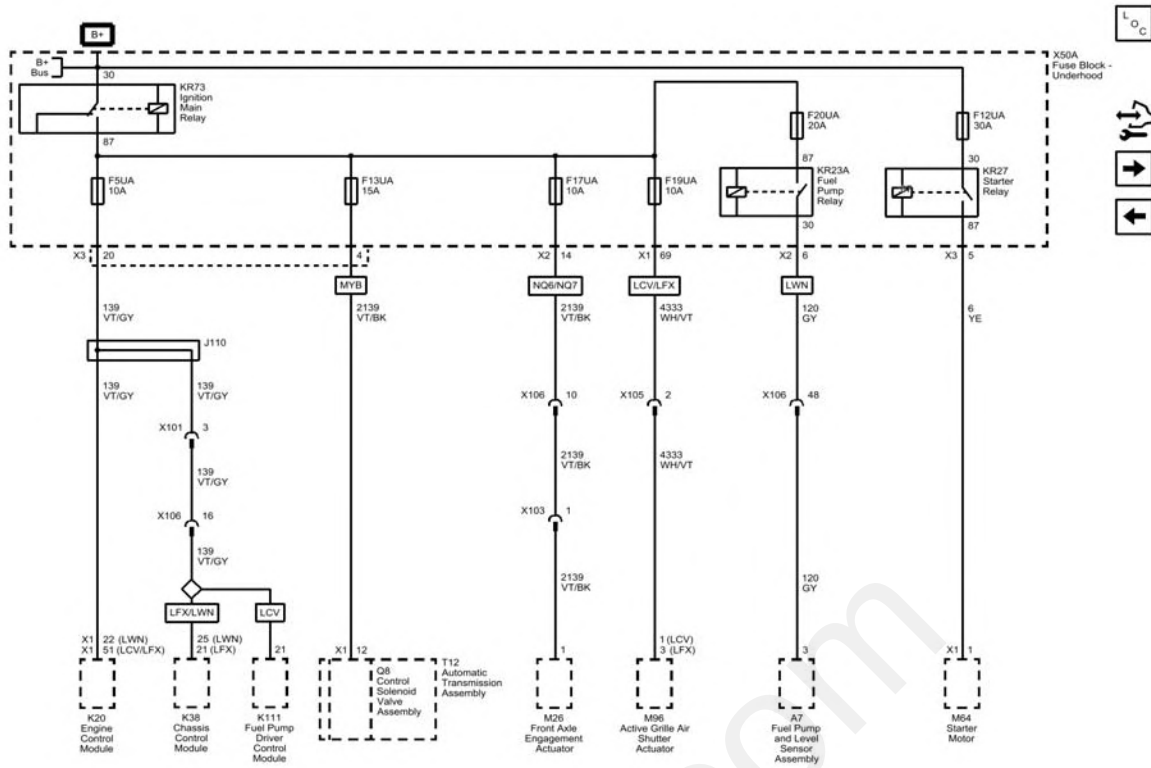


Fig. 71: F5UA, F12UA, F13UA, F17UA, F19UA, and F20UA Fuses

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAV_51	51
CONN_X1	X1
CAV_30	30
CAV_87	87
CAV_21	21
139	Run/Crank Ignition 1 Voltage
139_VT/GY	139 VT/GY
CAV_20	20
CONN_X3	X3
2139	Run/Crank Ignition 1 Voltage
2139_VT/BK	2139 VT/BK
CAV_12	12
CONN_X1	X1
CAV_4	4
MYB	TRANSMISSION-AUTO 6 SPD, 6L50 (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
2139_VT/BK	2139 VT/BK
CAV_1	1
CAV_14	14
CONN_X2	X2

	Component Name
NQ6	TRANSFER CASE-2 SPD, ACTIVE, PART TIME 4WD, L/H DROP, LOW RATIO 2.72:1 (U.S.A., PR and USVI (MAH), Canada (MBC))
NQ7	TRANSFER CASE-2 SPD, SWITCH ACTIVATED, PART TIME 4WD, L/H DROP, LOW RATIO 2.72:1 (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_10	10
CAV_1	1
2139_VT/BK	2139 VT/BK
2139_VT/BK	2139 VT/BK
4333	Aero Shutter Actuator Supply Voltage
4333_WH/VT	4333 WH/VT
CAV_3	3
CAV_69	69
CONN_X1	X1
CAV_1	1
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_2	2
139_VT/GY	139 VT/GY
139_VT/GY	139 VT/GY
139_VT/GY	139 VT/GY
CAV_3	3
CAV_16	16
CAV_30	30
6	Starter Solenoid Crank Voltage
6_YE	6 YE
CAV_1	1
CONN_X1	X1
CAV_5	5
CONN_X3	X3
CAV_21	21
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
4333_WH/VT	4333 WH/VT
139_VT/GY	139 VT/GY
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_22	22
CONN_X1	X1
LWN	ENGINE-ENGINE DIESEL, 2.8L, DI, L4, DOHC, TURBO, XLDE (U.S.A., PR and USVI (MAH), Canada (MBC))
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))

	Component Name
LWN	ENGINE-ENGINE DIESEL, 2.8L, DI, L4, DOHC, TURBO, XLDE (U.S.A., PR and USVI (MAH), Canada (MBC))
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_25	25
LWN	ENGINE-ENGINE DIESEL, 2.8L, DI, L4, DOHC, TURBO, XLDE (U.S.A., PR and USVI (MAH), Canada (MBC))
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_87	87
CAV_87	87
CAV_87	87
120	Fuel Pump Supply Voltage
120_GY	120 GY
CAV_3	3
CAV_6	6
CONN_X2	X2
CAV_48	48
120_GY	120 GY
CAV_30	30
LWN	ENGINE-ENGINE DIESEL, 2.8L, DI, L4, DOHC, TURBO, XLDE (U.S.A., PR and USVI (MAH), Canada (MBC))
F5UA	F5UA 10A
F13UA	F13UA 15A
F17UA	F17UA 10A
F19UA	F19UA 10A
X106	X106
X103	X103
X105	X105
X101	X101
X106	X106
F12UA	F12UA 30A
J110	J110
F20UA	F20UA 20A
X106	X106
K20	K20 Engine Control Module
Q8	Q8 Control Solenoid Valve Assembly (MYB)
T12	T12 Automatic Transmission Assembly (MYB)
X50A	X50A Fuse Block - Underhood
M26	M26 Front Axle Engagement Actuator (NQ6/NQ7)
M96	M96 Active Grille Air Shutter Actuator
KR27	KR27 Starter Relay
M64	M64 Starter Motor
KR73	KR73 Ignition Main Relay

	Component Name
K38	K38 Chassis Control Module
K111	K111 Fuel Pump Driver Control Module (LCV)
KR23A	KR23A Fuel Pump Relay
A7	A7 Fuel Pump and Level Sensor Assembly

F7UA, F28UA, F36UA, F45UA, and F60UA Fuses

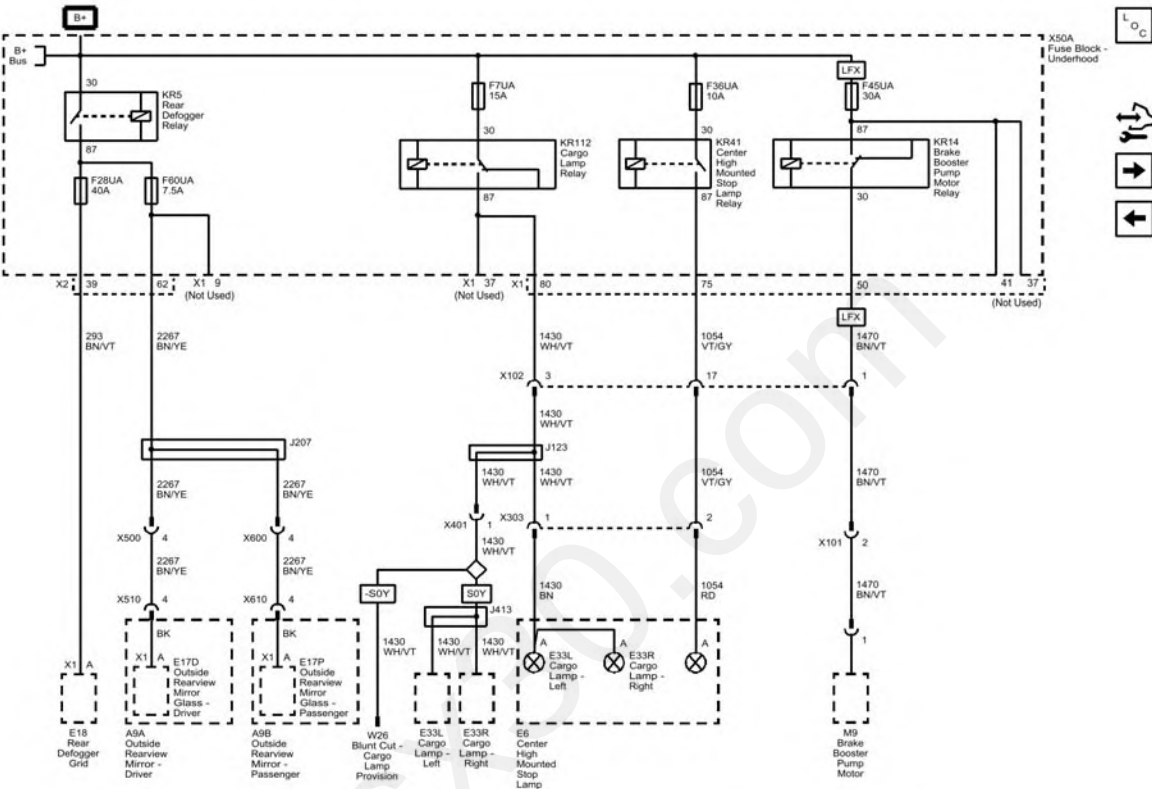


Fig. 72: F7UA, F28UA, F36UA, F45UA, and F60UA Fuses
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1470	Brake Booster Pump Motor Supply Voltage
CAV_50	50
1470_BN/VT	1470 BN/VT
CAV_30	30
CAV_30	30
CAV_87	87
CAV_30	30
CAV_87	87
CAV_87	87
CAV_87	87
CAV_30	30
CAV_9	9
CONN_X1	X1

	Component Name
CAV_37	37
CONN_X1	X1
293	Rear Defog Element Supply Voltage
293_BN/VT	293 BN/VT
CAV_39	39
CONN_X2	X2
CAV_A	A
CONN_X1	X1
2267	Mirror Heating Element Supply Voltage
2267_BN/YE	2267 BN/YE
2267_BN/YE	2267 BN/YE
2267_BN/YE	2267 BN/YE
BK	BK
CAV_A	A
CONN_X1	X1
CAV_4	4
CAV_4	4
2267_BN/YE	2267 BN/YE
2267_BN/YE	2267 BN/YE
CAV_4	4
BK	BK
CAV_A	A
CONN_X1	X1
CAV_4	4
CAV_62	62
1430	Exterior Courtesy Lamp Supply Voltage
1430_WH/VT	1430 WH/VT
CAV_80	80
CONN_X1	X1
1054	Stop Lamp Supply Voltage
1054_VT/GY	1054 VT/GY
CAV_75	75
1430_WH/VT	1430 WH/VT
1054_VT/GY	1054 VT/GY
CAV_1	1
CAV_2	2
1470_BN/VT	1470 BN/VT
1470_BN/VT	1470 BN/VT
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
1430_BN	1430 BN
1054_RD	1054 RD
CAV_A	A
CAV_A	A
CAV_A	A

	Component Name
1430_WH/VT	1430 WH/VT
1430_WH/VT	1430 WH/VT
CAV_1	1
1430_WH/VT	1430 WH/VT
S0Y	ACCESSORY-LAMPS - CARGO AREA (U.S.A., PR and USVI (MAH), Canada (MBC))
1430_WH/VT	1430 WH/VT
1430_WH/VT	1430 WH/VT
1430_WH/VT	1430 WH/VT
S0Y	ACCESSORY-LAMPS - CARGO AREA (U.S.A., PR and USVI (MAH), Canada (MBC))
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_37	37
CONN_X1	X1
CAV_41	41
CONN_X1	X1
CAV_1	1
X102	X102
CAV_17	17
CAV_3	3
X303	X303
CAV_1	1
CAV_2	2
F45UA	F45UA 30A
F7UA	F7UA 15A
F36UA	F36UA 10A
F28UA	F28UA 40A
F60UA	F60UA 7.5A
X510	X510
X500	X500
X600	X600
X610	X610
J207	J207
X101	X101
J123	J123
X401	X401
J413	J413
X102	X102
X303	X303
E18	E18 Rear Defogger Grid (C49)
KR41	KR41 Center High Mounted Stop Lamp Relay
KR5	KR5 Rear Defogger Relay
KR112	KR112 Cargo Lamp Relay
E17D	E17D Outside Rearview Mirror Glass - Driver (DL9)
E17P	E17P Outside Rearview Mirror Glass - Passenger (DL9)

	Component Name
A9A	Outside Rearview Mirror - Driver
A9B	A9B Outside Rearview Mirror - Passenger
E6	E6 Center High Mounted Stop Lamp
M9	M9 Brake Booster Pump Motor (LFX)
E33L	E33L Cargo Lamp - Left
E33R	E33R Cargo Lamp - Right
E33R	E33R Cargo Lamp - Right
E33L	E33L Cargo Lamp - Left
W26	W26 Blunt Cut - Cargo Lamp Provision (S0Y)
X50A	X50A Fuse Block - Underhood
KR14	KR14 Brake Booster Pump Motor Relay

F8UA, F9UA, F10UA, F11UA, and F47UA Fuses (LCV/LFX/Gasoline)

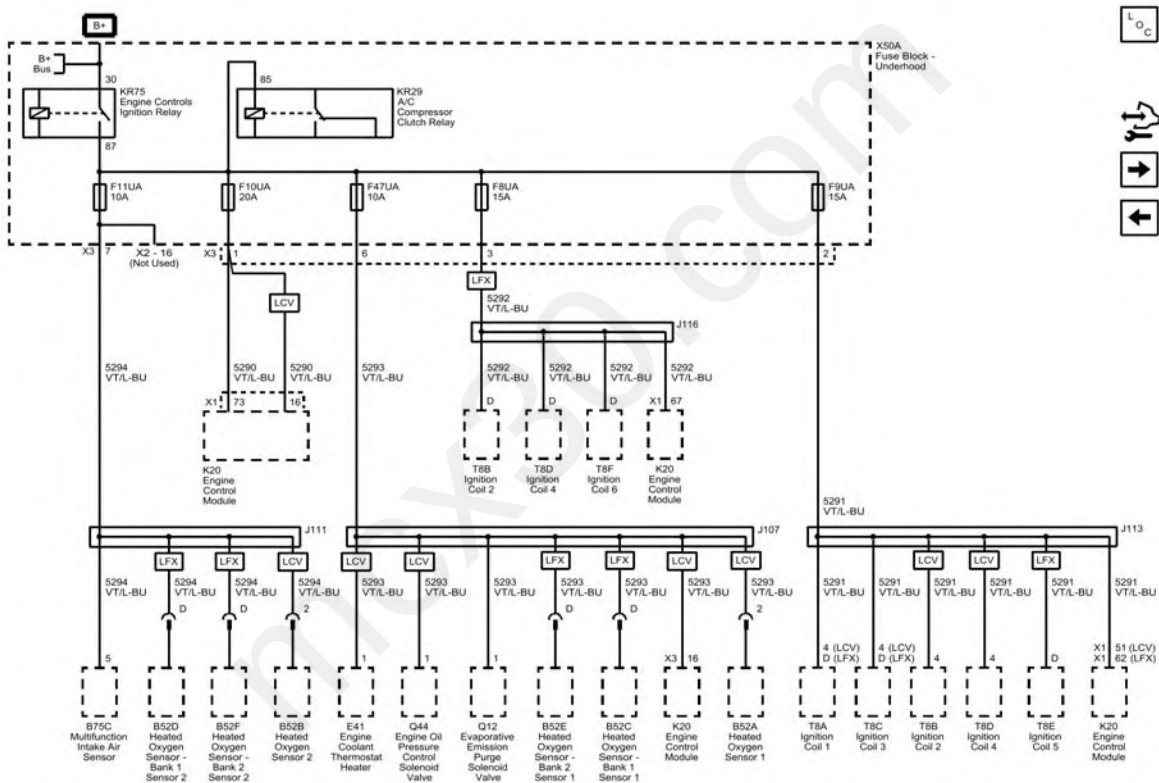


Fig. 73: F8UA, F9UA, F10UA, F11UA, and F47UA Fuses (LCV/LFX/Gasoline)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
5290	Powertrain Main Relay Fused Supply (1)
CAV_73	73
CONN_X1	X1
CAV_30	30
CAV_87	87
CAV_85	85
5294	Powertrain Main Relay Fused Supply (5)

	Component Name
5294_VT/L-BU	5294 VT/L-BU
CAV_5	5
5291	Powertrain Main Relay Fused Supply (2)
5291_VT/L-BU	5291 VT/L-BU
CAV_D	D
CAV_51	51
CONN_X1	X1
5291_VT/L-BU	5291 VT/L-BU
CAV_D	D
5291_VT/L-BU	5291 VT/L-BU
CAV_4	4
5291_VT/L-BU	5291 VT/L-BU
CAV_4	4
5292	Powertrain Main Relay Fused Supply (3)
5292_VT/L-BU	5292 VT/L-BU
CAV_D	D
5292_VT/L-BU	5292 VT/L-BU
CAV_D	D
5292_VT/L-BU	5292 VT/L-BU
CAV_D	D
5292_VT/L-BU	5292 VT/L-BU
5293	Powertrain Main Relay Fused Supply (4)
5293_VT/L-BU	5293 VT/L-BU
CAV_1	1
5293_VT/L-BU	5293 VT/L-BU
5293_VT/L-BU	5293 VT/L-BU
CAV_1	1
CAV_1	1
5291_VT/L-BU	5291 VT/L-BU
5292_VT/L-BU	5292 VT/L-BU
5293_VT/L-BU	5293 VT/L-BU
5293_VT/L-BU	5293 VT/L-BU
CAV_3	3
CAV_2	2
CAV_6	6
CAV_7	7
CONN_X3	X3
5290_VT/L-BU	5290 VT/L-BU
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_67	67
CONN_X1	X1
CAV_51	51
CONN_X1	X1

	Component Name
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_16	16
CONN_X3	X3
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
5294_VT/L-BU	5294 VT/L-BU
CAV_D	D
5294_VT/L-BU	5294 VT/L-BU
5294_VT/L-BU	5294 VT/L-BU
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
5291_VT/L-BU	5291 VT/L-BU
CAV_D	D
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
5291_VT/L-BU	5291 VT/L-BU
CAV_1	1
CONN_X3	X3
5290_VT/L-BU	5290 VT/L-BU
CAV_16	16
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_4	4
CAV_4	4
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
5294_VT/L-BU	5294 VT/L-BU
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
5293_VT/L-BU	5293 VT/L-BU

	Component Name
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
5293_VT/L-BU	5293 VT/L-BU
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
5293_VT/L-BU	5293 VT/L-BU
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_D	D
CAV_2	2
CAV_D	D
CAV_D	D
CAV_2	2
CAV_16	16
CONN_X2	X2
F10UA	F10UA 20A
F11UA	F11UA 10A
F47UA	F47UA 10A
F8UA	F8UA 15A
J116	J116
J113	J113
F9UA	F9UA 15A
J111	J111
J107	J107
T8A	T8A Ignition Coil 1
T8C	T8C Ignition Coil 3
K20	K20 Engine Control Module
T8B	T8B Ignition Coil 2
T8D	T8D Ignition Coil 4
T8F	T8F Ignition Coil 6 (LFX)
Q44	Q44 Engine Oil Pressure Control Solenoid Valve (LCV)
Q12	Q12 Evaporative Emission Purge Solenoid Valve
B52E	B52E Heated Oxygen Sensor - Bank 2 Sensor 1 (LFX)
B52C	B52C Heated Oxygen Sensor - Bank 1 Sensor 1 (LFX)
KR29	KR29 A/C Compressor Clutch Relay
KR75	KR75 Engine Controls Ignition Relay
B75C	B75C Multifunction Intake Air Sensor
K20	K20 Engine Control Module
K20	K20 Engine Control Module
E41	E41 Engine Coolant Thermostat Heater (LCV)
B52F	B52F Heated Oxygen Sensor - Bank 2 Sensor 2 (LFX)
B52D	B52D Heated Oxygen Sensor - Bank 1 Sensor 2 (LFX)
T8E	T8E Ignition Coil 5 (LFX)
T8B	T8B Ignition Coil 2

	Component Name
T8D	T8D Ignition Coil 4
X50A	X50A Fuse Block - Underhood
K20	K20 Engine Control Module
B52B	B52B Heated Oxygen Sensor 2 (LCV)
B52A	B52A Heated Oxygen Sensor 1 (LCV)

F8UA, F9UA, F10UA, F11UA, F46UA, and F47UA Fuses (LWN/Diesel)

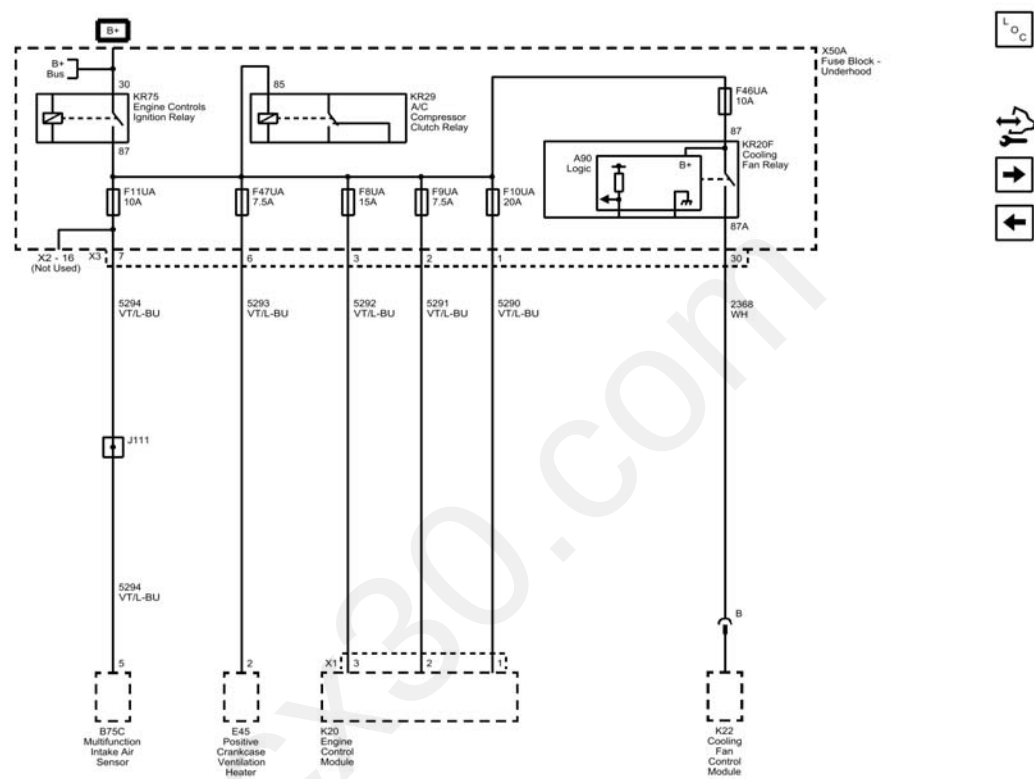


Fig. 74: F8UA, F9UA, F10UA, F11UA, F46UA, and F47UA Fuses (LWN/Diesel)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAV_30	30
CAV_87	87
CAV_85	85
5294	Powertrain Main Relay Fused Supply (5)
5294_VT/L-BU	5294 VT/L-BU
CAV_5	5
5290	Powertrain Main Relay Fused Supply (1)
5290_VT/L-BU	5290 VT/L-BU
5293	Powertrain Main Relay Fused Supply (4)
5293_VT/L-BU	5293 VT/L-BU
CAV_2	2
CAV_1	1

	Component Name
CAV_7	7
CONN_X3	X3
5294_VT/L-BU	5294 VT/L-BU
CAV_1	1
5292	Powertrain Main Relay Fused Supply (3)
5292_VT/L-BU	5292 VT/L-BU
CAV_3	3
CAV_3	3
CONN_X1	X1
5291	Powertrain Main Relay Fused Supply (2)
5291_VT/L-BU	5291 VT/L-BU
CAV_2	2
CAV_2	2
CAV_6	6
2368	Cooling Fan Control Signal
2368_WH	2368 WH
CAV_30	30
CAV_B	B
CAV_87	87
CAV_87A	87A
CAV_16	16
CONN_X2	X2
F11UA	F11UA 10A
F47UA	F47UA 7.5A
F10UA	F10UA 20A
J111	J111
F8UA	F8UA 15A
F9UA	F9UA 7.5A
F46UA	F46UA 10A
KR29	KR29 A/C Compressor Clutch Relay
KR75	KR75 Engine Controls Ignition Relay
B75C	B75C Multifunction Intake Air Sensor
X50A	X50A Fuse Block - Underhood
E45	E45 Positive Crankcase Ventilation Heater (LWN)
K20	K20 Engine Control Module
K22	K22 Cooling Fan Control Module (LCV/LFX)
A90	A90 Logic
KR20F	KR20F Cooling Fan Relay

F37UA, F38UA, F48UA, F51UA, and F56UA Fuses

Component Name

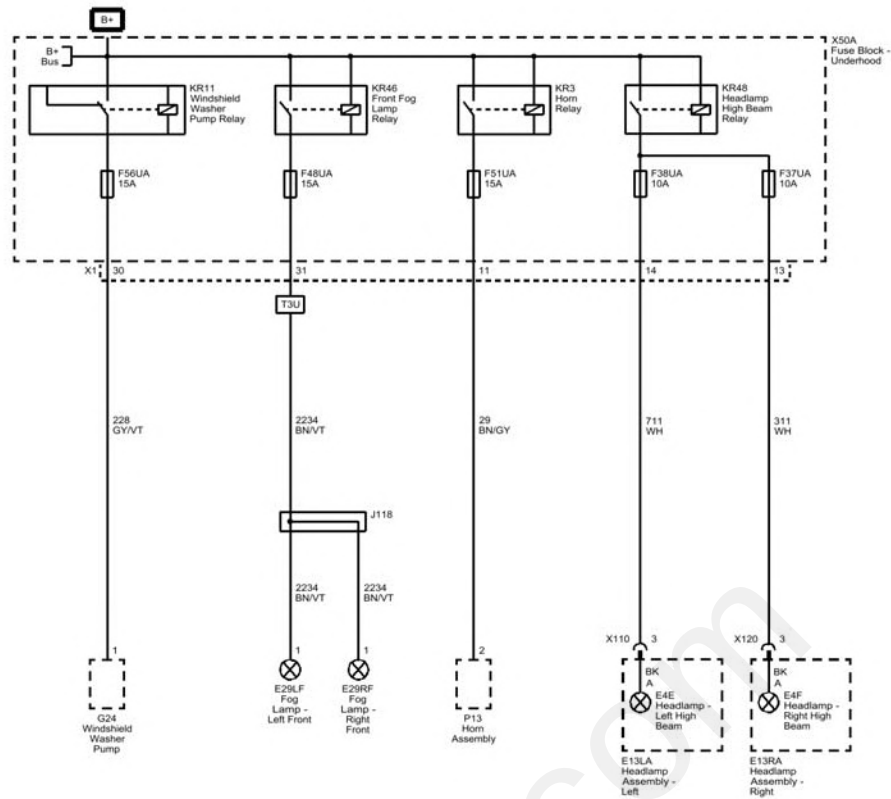


Fig. 75: F37UA, F38UA, F48UA, F51UA, and F56UA Fuses

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
228	Windshield Washer Pump Control
228_GY/VT	228 GY/VT
CAV_1	1
2234	Front Fog Lamp Supply Voltage
2234_BN/VT	2234 BN/VT
CAV_1	1
CAV_31	31
29	Horn Control
29_BN/GY	29 BN/GY
CAV_2	2
CAV_11	11
2234_BN/VT	2234 BN/VT
CAV_1	1
2234_BN/VT	2234 BN/VT
T3U	LAMP FRT FOG-FRT FOG (U.S.A., PR and USVI (MAH), Canada (MBC))
711	Left Headlamp High Beam Supply Voltage
711_WH	711 WH
CAV_14	14
311	Right Headlamp High Beam Supply Voltage
311_WH	311 WH

	Component Name
CAV_13	13
CAV_30	30
CONN_X1	X1
CAV_A	A
_BK	BK
CAV_3	3
CAV_A	A
_BK	BK
CAV_3	3
F56UA	F56UA 15A
F48UA	F48UA 15A
F51UA	F51UA 15A
J118	J118
F38UA	F38UA 10A
F37UA	F37UA 10A
X110	X110
X120	X120
G24	G24 Windshield Washer Pump
KR3	KR3 Horn Relay
KR46	KR46 Front Fog Lamp Relay
KR11	KR11 Windshield Washer Pump Relay
P13	P13 Horn Assembly
E29LF	E29LF Fog Lamp - Left Front (T3U)
E29RF	E29RF Fog Lamp - Right Front (T3U)
KR48	KR48 Headlamp High Beam Relay
E4E	E4E Headlamp - Left High Beam
E4F	E4F Headlamp - Right High Beam
X50A	X50A Fuse Block - Underhood
E13LA	E13LA Headlamp Assembly - Left
E13RA	E13RA Headlamp Assembly - Right

F50UA, F64UA, F65UA, and F66UA Fuses

Callout	Component Name
CONN_X2	X2
CAV_G	G
1619	Right Rear Trailer Stop/Turn Lamp Supply Voltage
1619_L-GN	1619 L-GN
CAV_30	30
CAV_4	4
CAV_50	50
CONN_X2	X2
1624	Trailer Backup Lamp Supply Voltage
CAV_52	52
CONN_X2	X2
1624_GY	1624 GY
CAV_A	A
CAV_3	3
2109_BN	2109 BN
1618_YE	1618 YE
1619_L-GN	1619 L-GN
1624_GY	1624 GY
Z82	(Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
Z82	(Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
Z82	(Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
Z82	(Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
Z82	(Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
Z82	(Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
Z82	(Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
Z82	(Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_D	D
1624_GY	1624 GY
1624_GY	1624 GY
8S3	(Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
8S3	(Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
X106	X106
CAV_39	39
CAV_5	5
F50UA	F50UA 20A
F66UA	F66UA 10A
F65UA	F65UA 10A
F64UA	F64UA 10A
X102	X102
J412	J412
X106	X106
KR125	KR125 Trailer Park Lamps Relay
KR63R	KR63R Trailer Stop/Turn Signal Lamp Relay - Right
KR63L	KR63L Trailer Stop/Turn Signal Lamp Relay - Left
KR61	KR61 Trailer Backup Lamp Relay

Callout	Component Name
X88	X88 Trailer Connector (Z82)
W8	W8 Blunt Cut - Trailer Provision
W8	W8 Blunt Cut - Trailer Provision
X50A	X50A Fuse Block - Underhood
Audible_Warnings_Schematics_REF	Audible Warnings Schematics

X51A Fuse Block - Instrument Panel Bussing

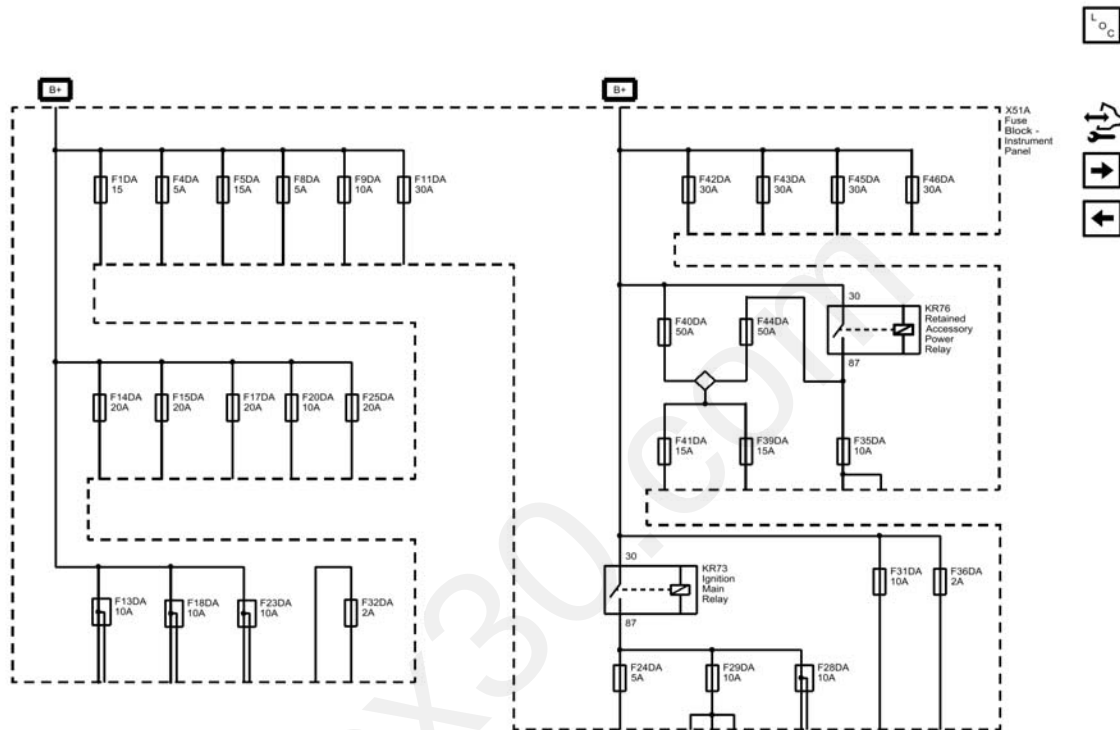


Fig. 77: X51A Fuse Block - Instrument Panel Bussing
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAV_30	30
CAV_87	87
CAV_87	87
CAV_30	30
F1DA	F1DA 15
F4DA	F4DA 5A
F5DA	F5DA 15A
F8DA	F8DA 5A
F14DA	F14DA 20A
F15DA	F15DA 20A
F13DA	F13DA 10A
F18DA	F18DA 10A

	Component Name
F42DA	F42DA 30A
F43DA	F43DA 30A
F45DA	F45DA 30A
F46DA	F46DA 30A
F35DA	F35DA 10A
F39DA	F39DA 15A
F44DA	F44DA 50A
F40DA	F40DA 50A
F41DA	F41DA 15A
F24DA	F24DA 5A
F29DA	F29DA 10A
F28DA	F28DA 10A
F9DA	F9DA 10A
F11DA	F11DA 30A
F20DA	F20DA 10A
F25DA	F25DA 20A
F17DA	F17DA 20A
F23DA	F23DA 10A
F32DA	F32DA 2A
F31DA	F31DA 10A
F36DA	F36DA 2A
KR76	KR76 Retained Accessory Power Relay
X51A	X51A Fuse Block - Instrument Panel
KR73	KR73 Ignition Main Relay

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

Callout

Component Name

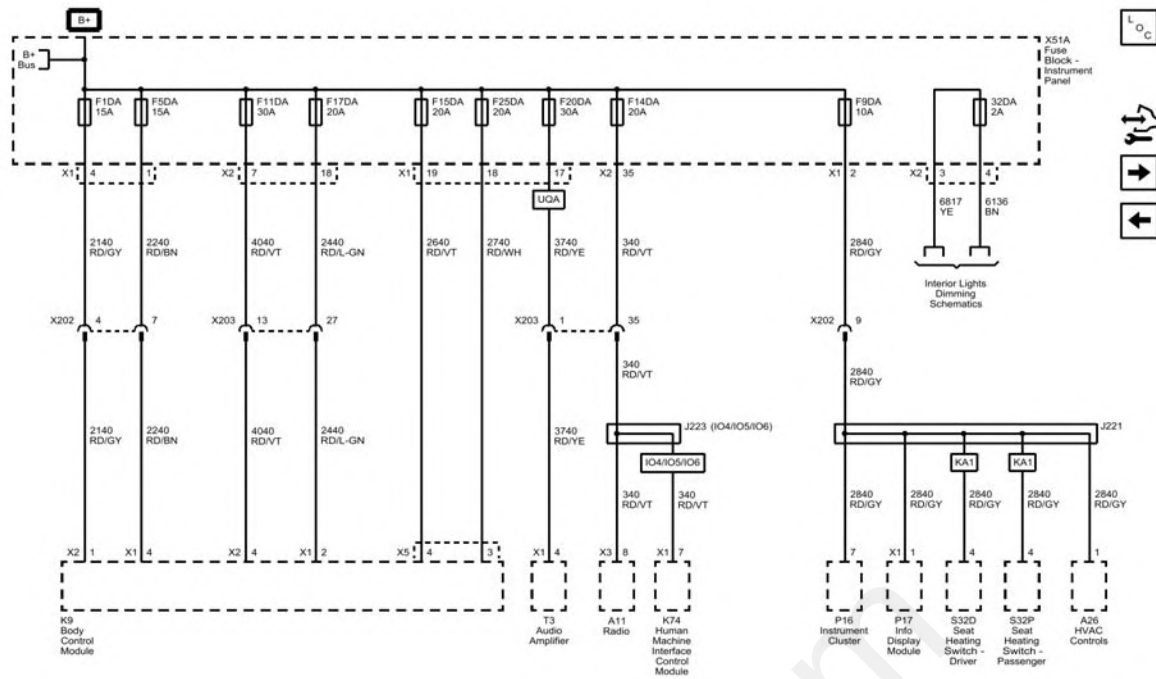


Fig. 78: F1DA, F5DA, F9DA, F11DA, F14DA, F15DA, F17DA, F20DA, F25DA, and F32DA Fuses
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
2140	Battery Positive Voltage
2140_RD/GY	2140 RD/GY
CAV_1	1
CONN_X2	X2
2640	Battery Positive Voltage
2640_RD/VT	2640 RD/VT
CAV_4	4
CONN_X5	X5
4040	Battery Positive Voltage
4040_RD/VT	4040 RD/VT
2240	Battery Positive Voltage
2240_RD/BN	2240 RD/BN
3740	Battery Positive Voltage
3740_RD/YE	3740 RD/YE
CAV_4	4
CONN_X1	X1
2140_RD/GY	2140 RD/GY
340	Battery Positive Voltage
2440	Battery Positive Voltage
2440_RD/L-GN	2440 RD/L-GN

Callout	Component Name
2740	Battery Positive Voltage
2740_RD/WH	2740 RD/WH
CAV_3	3
CAV_4	4
CONN_X2	X2
CAV_4	4
CONN_X1	X1
UQA	SPEAKER SYSTEM-PREMIUM AUDIO BRANDED WITH AMPLIFIER (U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_17	17
CAV_4	4
CONN_X1	X1
CAV_7	7
CONN_X2	X2
CAV_18	18
CAV_19	19
CONN_X1	X1
CAV_1	1
CAV_18	18
340_RD/VT	340 RD/VT
340_RD/VT	340 RD/VT
340_RD/VT	340 RD/VT
340_RD/VT	340 RD/VT
IO4	RADIO-INFOTAINMENT SYSTEM - BASE HMI, ENHANCED CONNECTIVITY (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
IO5	RADIO-INFOTAINMENT SYSTEM - UPLEVEL HMI, ENHANCED CONNECTIVITY (U.S.A., PR and USVI (MAH), Canada (MBC))
IO6	RADIO-INFOTAINMENT SYSTEM - UPLEVEL HMI, ENHANCED CONNECTIVITY, EMBEDDED NAVIGATION (U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_8	8
CONN_X3	X3
CAV_7	7
CONN_X1	X1
2840	Battery Positive Voltage
2840_RD/GY	2840 RD/GY
CAV_7	7
CAV_2	2
CONN_X1	X1
2840_RD/GY	2840 RD/GY
2840_RD/GY	2840 RD/GY
2840_RD/GY	2840 RD/GY
2840_RD/GY	2840 RD/GY
2840_RD/GY	2840 RD/GY

Callout	Component Name
CAV_1	1
CONN_X1	X1
CAV_4	4
CAV_4	4
KA1	HEATER SEAT FRT-DRVR and PASS (U.S.A., PR and USVI (MAH), Canada (MBC))
KA1	HEATER SEAT FRT-DRVR and PASS (U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_4	4
6817	LED Backlight Dimming Control
6817_YE	6817 YE
CAV_3	3
CONN_X2	X2
6136	Supply Voltage
6136_BN	6136 BN
CAV_35	35
CONN_X2	X2
4040_RD/VT	4040 RD/VT
2240_RD/BN	2240 RD/BN
2440_RD/L-GN	2440 RD/L-GN
3740_RD/YE	3740 RD/YE
2840_RD/GY	2840 RD/GY
CAV_1	1
CAV_2	2
CONN_X1	X1
CAV_9	9
IO4	RADIO-INFOTAINMENT SYSTEM - BASE HMI, ENHANCED CONNECTIVITY (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
IO5	RADIO-INFOTAINMENT SYSTEM - UPLEVEL HMI, ENHANCED CONNECTIVITY (U.S.A., PR and USVI (MAH), Canada (MBC))
IO6	RADIO-INFOTAINMENT SYSTEM - UPLEVEL HMI, ENHANCED CONNECTIVITY, EMBEDDED NAVIGATION (U.S.A., PR and USVI (MAH), Canada (MBC))
X203	X203
CAV_13	13
CAV_27	27
X203	X203
CAV_1	1
CAV_35	35
X202	X202
CAV_4	4
CAV_7	7
F1DA	F1DA 15A
F15DA	F15DA 20A

Callout	Component Name
F11DA	F11DA 30A
F5DA	F5DA 15A
F20DA	F20DA 30A
F17DA	F17DA 20A
F25DA	F25DA 20A
F14DA	F14DA 20A
F9DA	F9DA 10A
32DA	32DA 2A
J221	J221
X202	X202
J223	J223
X203	X203
X203	X203
X202	X202
K9	K9 Body Control Module
T3	T3 Audio Amplifier (UQA)
A11	A11 Radio
K74	K74 Human Machine Interface Control Module (IO4/IO5/IO6)
P16	P16 Instrument Cluster
P17	P17 Info Display Module
S32D	S32D Seat Heating Switch - Driver (KA1)
S32P	S32P Seat Heating Switch - Passenger (KA1)
Interior_Lights_Dimming_Schematics_REF	Interior Lights Dimming Schematics
X51A	X51A Fuse Block - Instrument Panel
A26	A26 HVAC Controls

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

Component Name

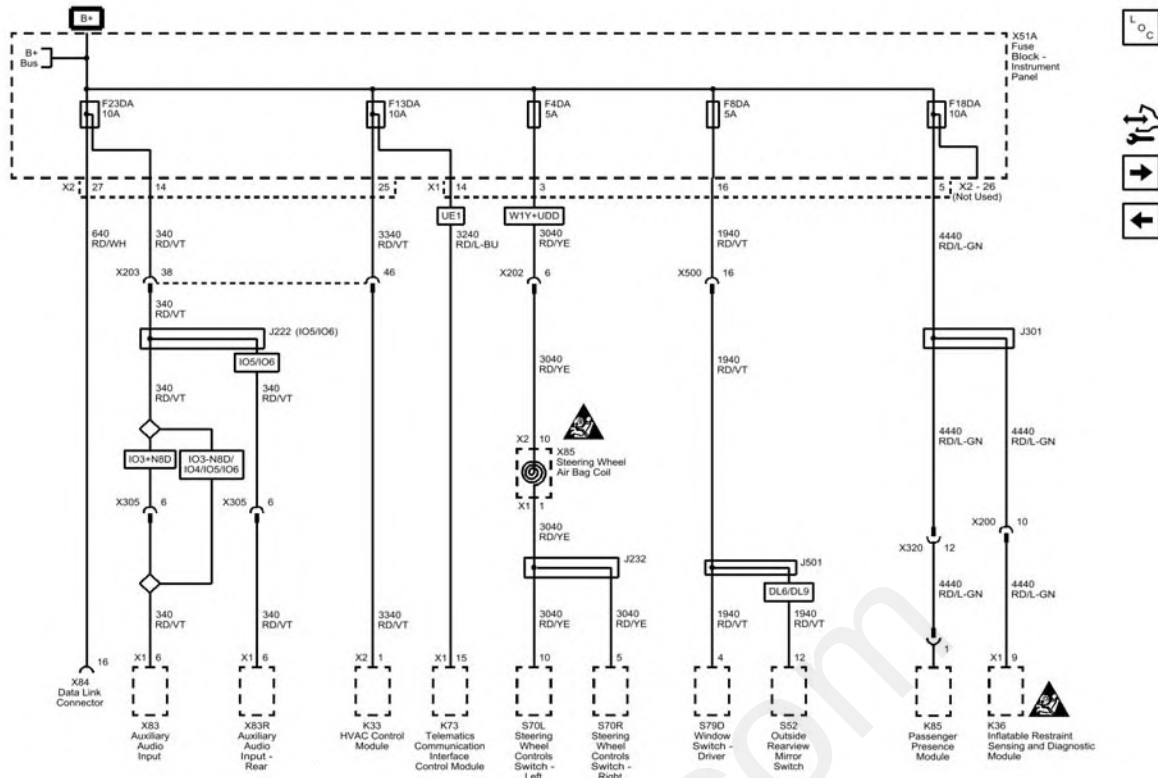


Fig. 79: F4DA, F8DA, F13DA, F18DA, F23DA, and F32DA Fuses

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAV_9	9
CONN_X1	X1
3340	Battery Positive Voltage
3340_RD/VT	3340 RD/VT
CAV_1	1
CONN_X2	X2
4440	Battery Positive Voltage
4440_RD/L-GN	4440 RD/L-GN
3240	Battery Positive Voltage
3240_RD/L-BU	3240 RD/L-BU
CAV_15	15
CAV_1	1
CONN_X1	X1
3040	Battery Positive Voltage
3040_RD/YE	3040 RD/YE
CAV_10	10
CONN_X2	X2
5440	Battery Positive Voltage
3040_RD/YE	3040 RD/YE
CAV_10	10

	Component Name
CAV_1	1
CONN_X1	X1
3040_RD/YE	3040 RD/YE
CAV_3	3
4440_RD/L-GN	4440 RD/L-GN
CAV_12	12
4440_RD/L-GN	4440 RD/L-GN
4440_RD/L-GN	4440 RD/L-GN
CAV_10	10
4440_RD/L-GN	4440 RD/L-GN
CAV_5	5
CAV_14	14
CONN_X1	X1
CAV_25	25
UE1	COMMUNICATION SYSTEM-VEHICLE, ONSTAR (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
640	Battery Positive Voltage
640_RD/WH	640 RD/WH
CAV_27	27
CONN_X2	X2
CAV_16	16
340	Battery Positive Voltage
340_RD/VT	340 RD/VT
CAV_6	6
CONN_X1	X1
CAV_14	14
CAV_5	5
3040_RD/YE	3040 RD/YE
CAV_4	4
CAV_12	12
1940	Battery Positive Voltage
1940_RD/VT	1940 RD/VT
CAV_16	16
CAV_16	16
1940_RD/VT	1940 RD/VT
1940_RD/VT	1940 RD/VT
1940_RD/VT	1940 RD/VT
DL6	MIRROR O/S-LH and RH, REMOTE CONTROL, ELECTRIC, MANUAL FOLDING, COLOR (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
DL9	MIRROR O/S-LH and RH, REMOTE CONTROL, ELECTRIC, HEATED, CHROME (U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_6	6
340_RD/VT	340 RD/VT
3040_RD/YE	3040 RD/YE
340_RD/VT	340 RD/VT
340_RD/VT	340 RD/VT

Item	340 RD/VT	Component Name
CAV_6	6	
CONN_X1	X1	
IO3		RADIO-INFOTAINMENT SYSTEM - BASE HMI (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
N8D		TRANSMISSION-MAN 6 SPD, 85MM, 4.45 1ST, 2.56 2ND, 1.53 3RD, 1.00 4TH, 0.87 5TH, 0.76 6TH (U.S.A., PR and USVI (MAH), Canada (MBC))
IO3		RADIO-INFOTAINMENT SYSTEM - BASE HMI (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
N8D		TRANSMISSION-MAN 6 SPD, 85MM, 4.45 1ST, 2.56 2ND, 1.53 3RD, 1.00 4TH, 0.87 5TH, 0.76 6TH (U.S.A., PR and USVI (MAH), Canada (MBC))
IO4		RADIO-INFOTAINMENT SYSTEM - BASE HMI, ENHANCED CONNECTIVITY (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
IO5		RADIO-INFOTAINMENT SYSTEM - UPLEVEL HMI, ENHANCED CONNECTIVITY (U.S.A., PR and USVI (MAH), Canada (MBC))
IO6		RADIO-INFOTAINMENT SYSTEM - UPLEVEL HMI, ENHANCED CONNECTIVITY, EMBEDDED NAVIGATION (U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_6	6	
340_RD/VT	340 RD/VT	
3340_RD/VT	3340 RD/VT	
CAV_6	6	
W1Y		CONTROL-STEERING WHEEL, RADIO, REDUNDANT CONTROLS (U.S.A., PR and USVI (MAH), Canada (MBC))
UDD		DISPLAY INSTRUMENT-DRIVER INFO ENHANCED (MULTI COLOR STANDARD GRAPHIC) (U.S.A., PR and USVI (MAH), Canada (MBC))
IO5		RADIO-INFOTAINMENT SYSTEM - UPLEVEL HMI, ENHANCED CONNECTIVITY (U.S.A., PR and USVI (MAH), Canada (MBC))
IO6		RADIO-INFOTAINMENT SYSTEM - UPLEVEL HMI, ENHANCED CONNECTIVITY, EMBEDDED NAVIGATION (U.S.A., PR and USVI (MAH), Canada (MBC))
IO5		RADIO-INFOTAINMENT SYSTEM - UPLEVEL HMI, ENHANCED CONNECTIVITY (U.S.A., PR and USVI (MAH), Canada (MBC))
IO6		RADIO-INFOTAINMENT SYSTEM - UPLEVEL HMI, ENHANCED CONNECTIVITY, EMBEDDED NAVIGATION (U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_26	26	
CONN_X2	X2	
X203	X203	
CAV_38	38	
CAV_46	46	
F4DA	F4DA 5A	
F8DA	F8DA 5A	
X320	X320	
X200	X200	
J301	J301	
F18DA	F18DA 10A	
F13DA	F13DA 10A	

	Component Name
F23DA	F23DA 10A
J232	J232
X500	X500
J501	J501
X305	X305
X305	X305
J222	J222
X202	X202
X203	X203
K33	K33 HVAC Control Module
K85	K85 Passenger Presence Module
K73	K73 Telematics Communication Interface Control Module (UE1)
K36	K36 Inflatable Restraint Sensing and Diagnostic Module
X85	X85 Steering Wheel Air Bag Coil
X84	X84 Data Link Connector
X83	X83 Auxiliary Audio Input
S70L	S70L Steering Wheel Controls Switch - Left
S70R	S70R Steering Wheel Controls Switch - Right
S79D	S79D Window Switch - Driver
S52	S52 Outside Rearview Mirror Switch (DL6/DL9)
X51A	X51A Fuse Block - Instrument Panel
X83R	X83R Auxiliary Audio Input - Rear (IO5/IO6)

F24DA, F28DA, F29DA, F42DA, F43DA, and F46DA Fuses

Component Name

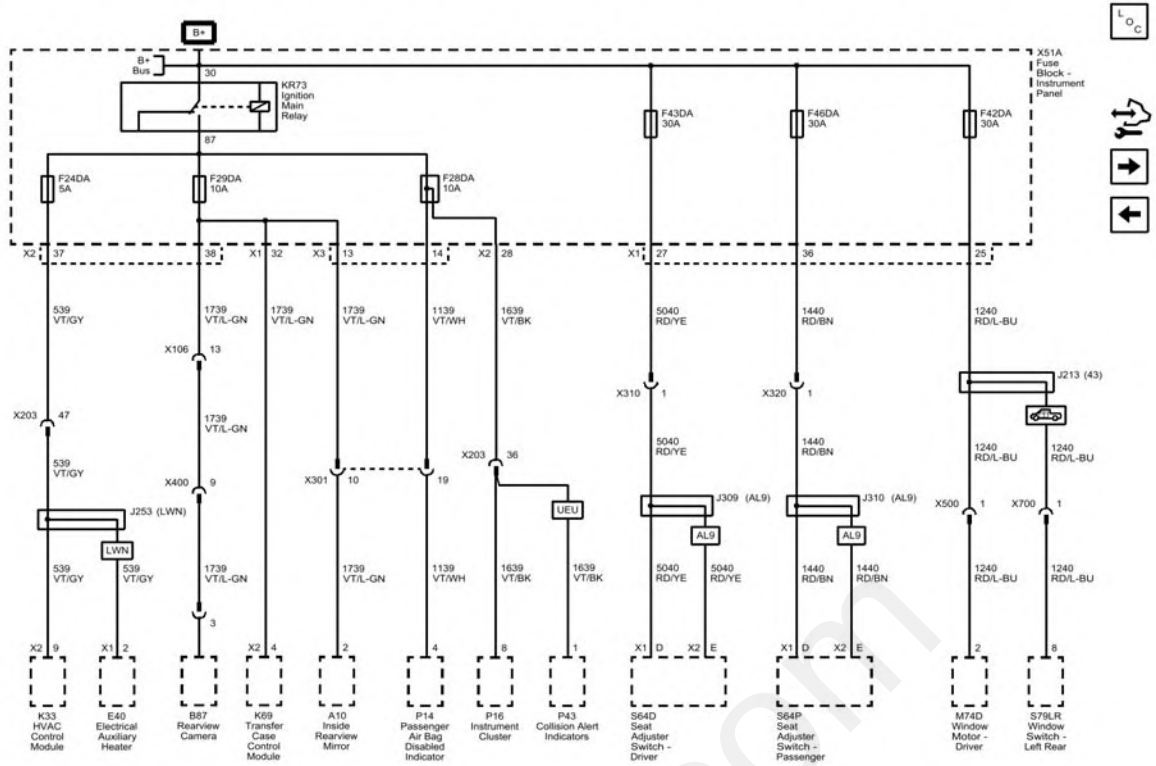


Fig. 80: F24DA, F28DA, F29DA, F42DA, F43DA, and F46DA Fuses

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAV_30	30
CAV_87	87
539	Run/Crank Ignition 1 Voltage
539_VT/GY	539 VT/GY
CAV_9	9
CONN_X2	X2
CAV_37	37
CONN_X2	X2
539_VT/GY	539 VT/GY
CAV_47	47
1739	Run/Crank Ignition 1 Voltage
1739_VT/L-GN	1739 VT/L-GN
CAV_38	38
1739_VT/L-GN	1739 VT/L-GN
1739_VT/L-GN	1739 VT/L-GN
CAV_9	9
CAV_13	13
1739_VT/L-GN	1739 VT/L-GN
CAV_32	32
CONN_X1	X1

	Component Name
CAV_4	4
CONN_X2	X2
1739_VT/L-GN	1739 VT/L-GN
CAV_13	13
CONN_X3	X3
CAV_2	2
1739_VT/L-GN	1739 VT/L-GN
1139	Run/Crank Ignition 1 Voltage
1139_VT/WH	1139 VT/WH
CAV_14	14
1139_VT/WH	1139 VT/WH
1639	Run/Crank Ignition 1 Voltage
1639_VT/BK	1639 VT/BK
CAV_8	8
CAV_28	28
CONN_X2	X2
1639_VT/BK	1639 VT/BK
CAV_36	36
1639_VT/BK	1639 VT/BK
CAV_1	1
UEU	SENSOR INDICATOR-FORWARD COLLISION ALERT (U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_4	4
5040	Battery Positive Voltage
5040_RD/YE	5040 RD/YE
CAV_D	D
CONN_X1	X1
CAV_27	27
CONN_X1	X1
5040_RD/YE	5040 RD/YE
CAV_1	1
5040_RD/YE	5040 RD/YE
5040_RD/YE	5040 RD/YE
CAV_E	E
CONN_X2	X2
AL9	LUMBAR DRIVER-SEAT, POWER, 2 WAY (U.S.A., PR and USVI (MAH), Canada (MBC))
AL9	LUMBAR DRIVER-SEAT, POWER, 2 WAY (U.S.A., PR and USVI (MAH), Canada (MBC))
1440	Battery Positive Voltage
1440_RD/BN	1440 RD/BN
CAV_D	D
CONN_X1	X1
CAV_36	36
CAV_1	1
1440_RD/BN	1440 RD/BN

	E Component Name
CONN_X2	X2
AL9	LUMBAR DRIVER-SEAT, POWER, 2 WAY (U.S.A., PR and USVI (MAH), Canada (MBC))
AL9	LUMBAR DRIVER-SEAT, POWER, 2 WAY (U.S.A., PR and USVI (MAH), Canada (MBC))
1440_RD/BN	1440 RD/BN
1440_RD/BN	1440 RD/BN
1240	Battery Positive Voltage
1240_RD/L-BU	1240 RD/L-BU
CAV_2	2
CAV_25	25
1240_RD/L-BU	1240 RD/L-BU
1240_RD/L-BU	1240 RD/L-BU
1240_RD/L-BU	1240 RD/L-BU
1240_RD/L-BU	1240 RD/L-BU
CREWCAB	CREW CAB (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_1	1
CAV_1	1
CAV_8	8
43	CREW CAB (U.S.A., PR and USVI (MAH), Canada (MBC))
539_VT/GY	539 VT/GY
LWN	ENGINE-ENGINE DIESEL, 2.8L, DI, L4, DOHC, TURBO, XLDE (U.S.A., PR and USVI (MAH), Canada (MBC))
539_VT/GY	539 VT/GY
LWN	ENGINE-ENGINE DIESEL, 2.8L, DI, L4, DOHC, TURBO, XLDE (U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_2	2
CONN_X1	X1
CAV_3	3
X301	X301
CAV_10	10
CAV_19	19
F29DA	F29DA 10A
F43DA	F43DA 30A
F28DA	F28DA 10A
F24DA	F24DA 5A
X203	X203
X400	X400
X106	X106
X203	X203
F42DA	F42DA 30A
X310	X310
J309	J309
F46DA	F46DA 30A
X320	X320
J310	J310

	Component Name
J213	J213
X500	X500
X700	X700
J253	J253
X301	X301
K33	K33 HVAC Control Module
B87	B87 Rearview Camera (UVC)
K69	K69 Transfer Case Control Module (NQ6/NQ7)
A10	A10 Inside Rearview Mirror
P14	P14 Passenger Air Bag Disabled Indicator
P16	P16 Instrument Cluster
P43	P43 Collision Alert Indicators (UEU)
S64D	S64D Seat Adjuster Switch - Driver
S64P	S64P Seat Adjuster Switch - Passenger (AAQ)
M74D	M74D Window Motor - Driver
S79LR	S79LR Window Switch - Left Rear (Crew Cab)
X51A	X51A Fuse Block - Instrument Panel
KR73	KR73 Ignition Main Relay
E40	E40 Electrical Auxiliary Heater (LWN)

F31DA, F35DA, F36DA, F39DA, F40DA, F41DA, F44DA, and F45DA Fuses

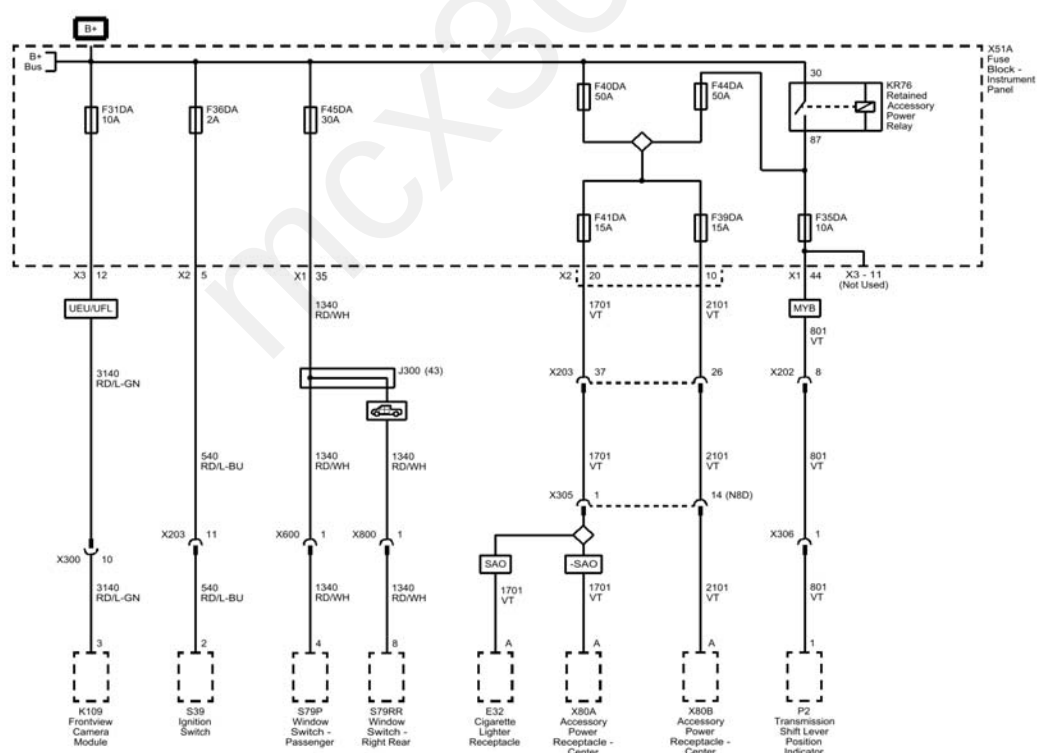


Fig. 81: F31DA, F35DA, F36DA, F39DA, F40DA, F41DA, F44DA, and F45DA Fuses
 Courtesy of GENERAL MOTORS COMPANY

	Component Name
1340	Battery Positive Voltage
1340_RD/WH	1340 RD/WH
CAV_35	35
CONN_X1	X1
1340_RD/WH	1340 RD/WH
1340_RD/WH	1340 RD/WH
CREWCAB	CREW CAB (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_1	1
CAV_1	1
1340_RD/WH	1340 RD/WH
1340_RD/WH	1340 RD/WH
CAV_30	30
CAV_87	87
801	Retained Accessory Power Fuse Supply Voltage
801_VT	801 VT
CAV_44	44
CONN_X1	X1
CAV_1	1
801_VT	801 VT
801_VT	801 VT
MYB	TRANSMISSION-AUTO 6 SPD, 6L50 (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
3140	Battery Positive Voltage
3140_RD/L-GN	3140 RD/L-GN
CAV_12	12
CONN_X3	X3
CAV_10	10
3140_RD/L-GN	3140 RD/L-GN
540	Battery Positive Voltage
540_RD/L-BU	540 RD/L-BU
CAV_5	5
CONN_X2	X2
CAV_11	11
540_RD/L-BU	540 RD/L-BU
2101	Retained Accessory Power Fuse Supply Voltage
2101_VT	2101 VT
CAV_10	10
1701	Retained Accessory Power Fuse Supply Voltage
1701_VT	1701 VT
CAV_20	20
CONN_X2	X2
CAV_4	4
CAV_8	8
CAV_1	1
CAV_3	3

	Component Name
CAV_2	2
CAV_A	A
CAV_A	A
2101_VT	2101 VT
1701_VT	1701 VT
1701_VT	1701 VT
N8D	TRANSMISSION-MAN 6 SPD, 85MM, 4.45 1ST, 2.56 2ND, 1.53 3RD, 1.00 4TH, 0.87 5TH, 0.76 6TH (U.S.A., PR and USVI (MAH), Canada (MBC))
2101_VT	2101 VT
CAV_A	A
1701_VT	1701 VT
SAO	ACCESSORY-SMOKERS PACKAGE (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
SAO	ACCESSORY-SMOKERS PACKAGE (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
UEU	SENSOR INDICATOR-FORWARD COLLISION ALERT (U.S.A., PR and USVI (MAH), Canada (MBC))
UFL	LANE ACTIVE SAFETY-DEPARTURE WARNING (U.S.A., PR and USVI (MAH), Canada (MBC))
43	CREW CAB (U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_8	8
CAV_11	11
CONN_X3	X3
X203	X203
CAV_37	37
CAV_26	26
X305	X305
CAV_1	1
CAV_14	14
F31DA	F31DA 10A
F45DA	F45DA 30A
F36DA	F36DA 2A
J300	J300
X600	X600
X800	X800
F35DA	F35DA 10A
F39DA	F39DA 15A
F44DA	F44DA 50A
F41DA	F41DA 15A
X306	X306
X300	X300
X203	X203
X202	X202
F40DA	F40DA 50A
X203	X203
X305	X305

	Component Name
KR76	KR76 Retained Accessory Power Relay
P2	P2 Transmission Shift Lever Position Indicator (MYB)
S39	S39 Ignition Switch
S79P	S79P Window Switch - Passenger
S79RR	S79RR Window Switch - Right Rear (Crew Cab)
X80B	X80B Accessory Power Receptacle - Center Console 2
X80A	X80A Accessory Power Receptacle - Center Console 1
X51A	X51A Fuse Block - Instrument Panel
K109	K109 Frontview Camera Module (UEU/UFL)
E32	E32 Cigarette Lighter Receptacle (SAO)

POWER MODING WIRING SCHEMATICS

Ignition Switch

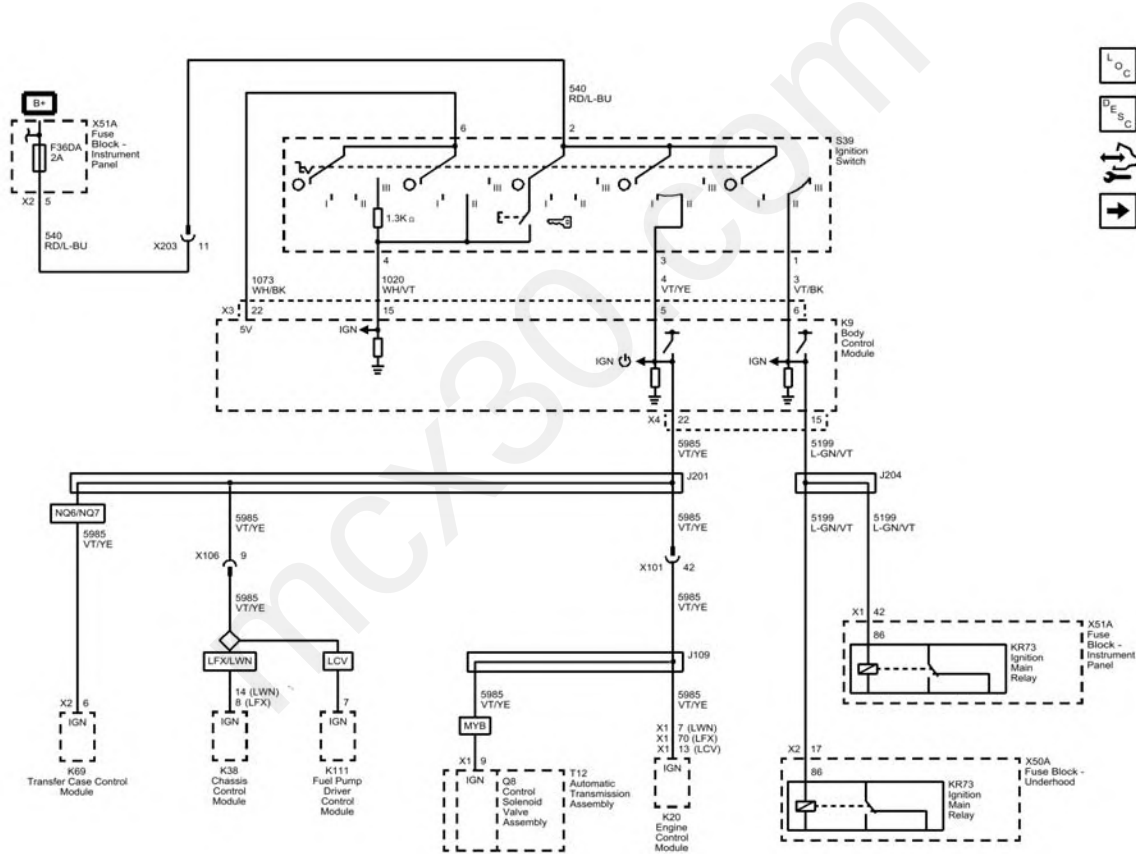


Fig. 82: Ignition Switch
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1073	Ignition Key Resistor Signal
1073_WH/BK	1073 WH/BK
CAV_22	22
CONN_X3	X3
1020	Off/Run/Crank Voltage
1020_WH/VT	1020 WH/VT

	15	Component Name
4		Accessory Voltage
4_VT/YE		4 VT/YE
CAV_5		5
CAV_3		3
3		Run/Crank Ignition 1 Voltage
3_VT/BK		3 VT/BK
CAV_6		6
CAV_1		1
5199		Run/Crank Relay Coil Control
5199_L-GN/VT		5199 L-GN/VT
CAV_17		17
CONN_X2		X2
CAV_15		15
CAV_13		13
CONN_X1		X1
CAV_22		22
CONN_X4		X4
5985		Accessory Wakeup Serial Data
5985_VT/YE		5985 VT/YE
CAV_9		9
CONN_X1		X1
CAV_86		86
540		Battery Positive Voltage
CAV_2		2
540_RD/L-BU		540 RD/L-BU
CAV_6		6
CAV_4		4
CAV_42		42
CONN_X1		X1
CAV_86		86
5199_L-GN/VT		5199 L-GN/VT
5985_VT/YE		5985 VT/YE
5985_VT/YE		5985 VT/YE
CAV_70		70
CONN_X1		X1
5985_VT/YE		5985 VT/YE
MYB		TRANSMISSION-AUTO 6 SPD, 6L50 (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_42		42
5199_L-GN/VT		5199 L-GN/VT
5985_VT/YE		5985 VT/YE
CAV_8		8
CAV_9		9
5985_VT/YE		5985 VT/YE
CAV_6		6

	Component Name
CONN_X2	X2
NQ6	TRANSFER CASE-2 SPD, ACTIVE, PART TIME 4WD, L/H DROP, LOW RATIO 2.72:1 (U.S.A., PR and USVI (MAH), Canada (MBC))
NQ7	TRANSFER CASE-2 SPD, SWITCH ACTIVATED, PART TIME 4WD, L/H DROP, LOW RATIO 2.72:1 (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_5	5
CONN_X2	X2
CAV_11	11
540_RD/L-BU	540 RD/L-BU
5985_VT/YE	5985 VT/YE
5985_VT/YE	5985 VT/YE
CAV_7	7
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_7	7
CONN_X1	X1
LWN	ENGINE-ENGINE DIESEL, 2.8L, DI, L4, DOHC, TURBO, XLDE (U.S.A., PR and USVI (MAH), Canada (MBC))
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LWN	ENGINE-ENGINE DIESEL, 2.8L, DI, L4, DOHC, TURBO, XLDE (U.S.A., PR and USVI (MAH), Canada (MBC))
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_14	14
LWN	ENGINE-ENGINE DIESEL, 2.8L, DI, L4, DOHC, TURBO, XLDE (U.S.A., PR and USVI (MAH), Canada (MBC))
F36DA	F36DA 2A
J109	J109
X101	X101
J204	J204
X106	X106
X203	X203
J201	J201
K20	K20 Engine Control Module
Q8	Q8 Control Solenoid Valve Assembly (MYB)
T12	T12 Automatic Transmission Assembly (MYB)
K9	K9 Body Control Module
S39	S39 Ignition Switch
KR73	KR73 Ignition Main Relay
X51A	X51A Fuse Block - Instrument Panel
X50A	X50A Fuse Block - Underhood
KR73	KR73 Ignition Main Relay

	Component Name
K69	K69 Transfer Case Control Module (NQ6/NQ7)
K38	K38 Chassis Control Module
K111	K111 Fuel Pump Driver Control Module (LCV)

KR73 Ignition Main Relays and Accessory Power

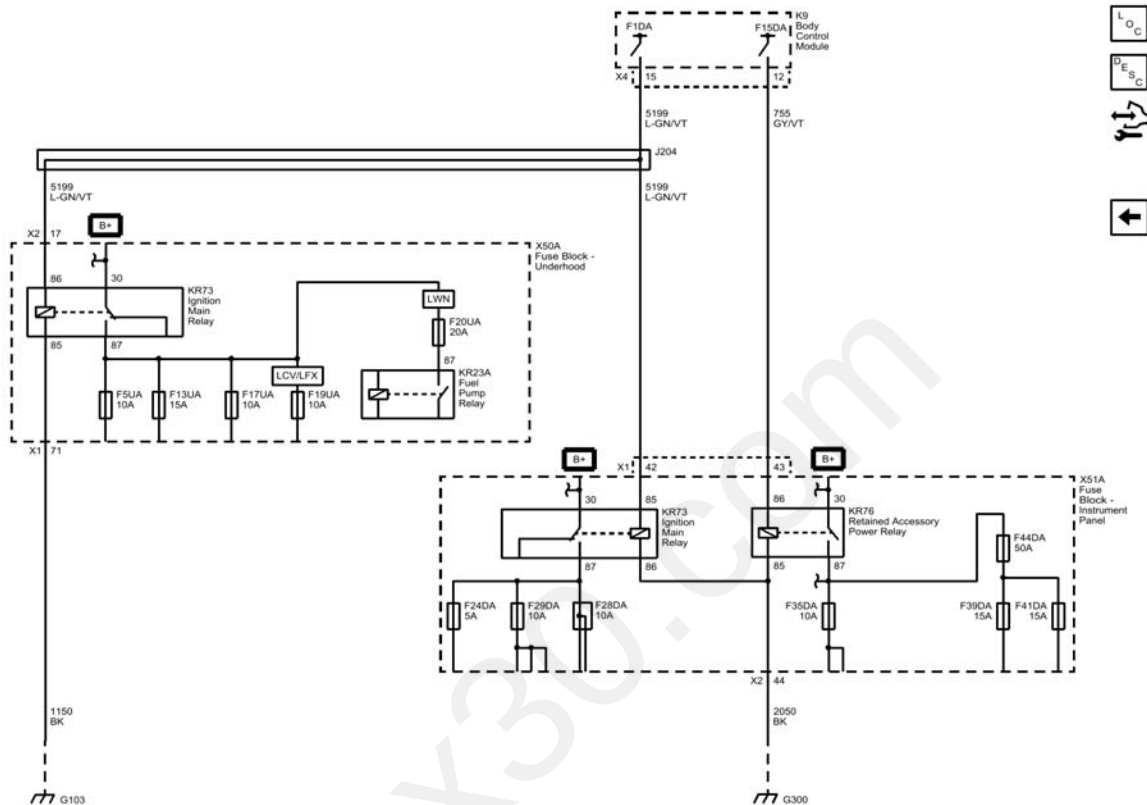


Fig. 83: KR73 Ignition Main Relays and Accessory Power
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAV_30	30
CAV_87	87
CAV_30	30
CAV_87	87
5199	Run/Crank Relay Coil Control
5199_L-GN/VT	5199 L-GN/VT
CAV_15	15
CONN_X4	X4
1150	Ground
1150_BK	1150 BK
CAV_71	71
CONN_X1	X1
2050_BK	2050 BK
CAV_87	87

	Component Name
CAV_30	30
CAV_44	44
CONN_X2	X2
CAV_85	85
CAV_86	86
CAV_85	85
CAV_86	86
CAV_85	85
CAV_86	86
CAV_42	42
CONN_X1	X1
CAV_17	17
CONN_X2	X2
5199_L-GN/VT	5199 L-GN/VT
755	RAP Relay Coil Control
CAV_43	43
CAV_12	12
5199_L-GN/VT	5199 L-GN/VT
755_GY/VT	755 GY/VT
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LWN	ENGINE-ENGINE DIESEL, 2.8L, DI, L4, DOHC, TURBO, XLDE (U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_87	87
F5UA	F5UA 10A
F13UA	F13UA 15A
F17UA	F17UA 10A
F19UA	F19UA 10A
F29DA	F29DA 10A
F28DA	F28DA 10A
F24DA	F24DA 5A
F44DA	F44DA 50A
F1DA	F1DA
F35DA	F35DA 10A
F39DA	F39DA 15A
F41DA	F41DA 15A
J204	J204
F15DA	F15DA
G103	G103
G300	G300
F20UA	F20UA 20A
KR73	KR73 Ignition Main Relay
X50A	X50A Fuse Block - Underhood
KR73	KR73 Ignition Main Relay

Callout	Component Name
CR76	KR76 Retained Accessory Power Relay
X51A	X51A Fuse Block - Instrument Panel
K9	K9 Body Control Module
KR23A	KR23A Fuel Pump Relay

IGNITION LOCK WIRING SCHEMATICS

Key Capture, and Park Position Switch

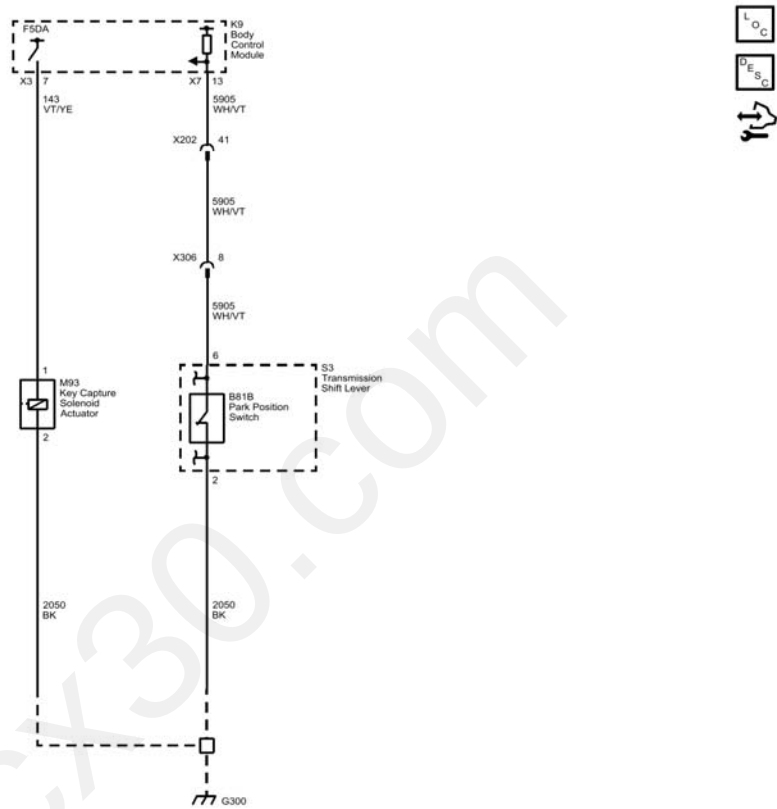


Fig. 84: Key Capture, and Park Position Switch
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
143	Accessory Voltage
143_VT/YE	143 VT/YE
CAV_1	1
CAV_7	7
CONN_X3	X3
2050_BK	2050 BK
CAV_2	2
CAV_13	13
CONN_X7	X7
5905_WH/VT	5905 WH/VT
2050	Ground
5905	Key Capture/Column Lock Shift Position Signal
5905_WH/VT	5905 WH/VT

Callout	Component Name
CAV_2	2
CAV_6	6
CAV_8	8
5905_WH/VT	5905 WH/VT
2050_BK	2050 BK
CAV_41	41
F15DA	F15DA
G300	G300
X306	X306
X202	X202
K9	K9 Body Control Module
M93	M93 Key Capture Solenoid Actuator (MYB)
B81B	B81B Park Position Switch (MYB)
S3	S3 Transmission Shift Lever (MYB)

GROUND DISTRIBUTION WIRING SCHEMATICS

G100, G101, G102, and G105

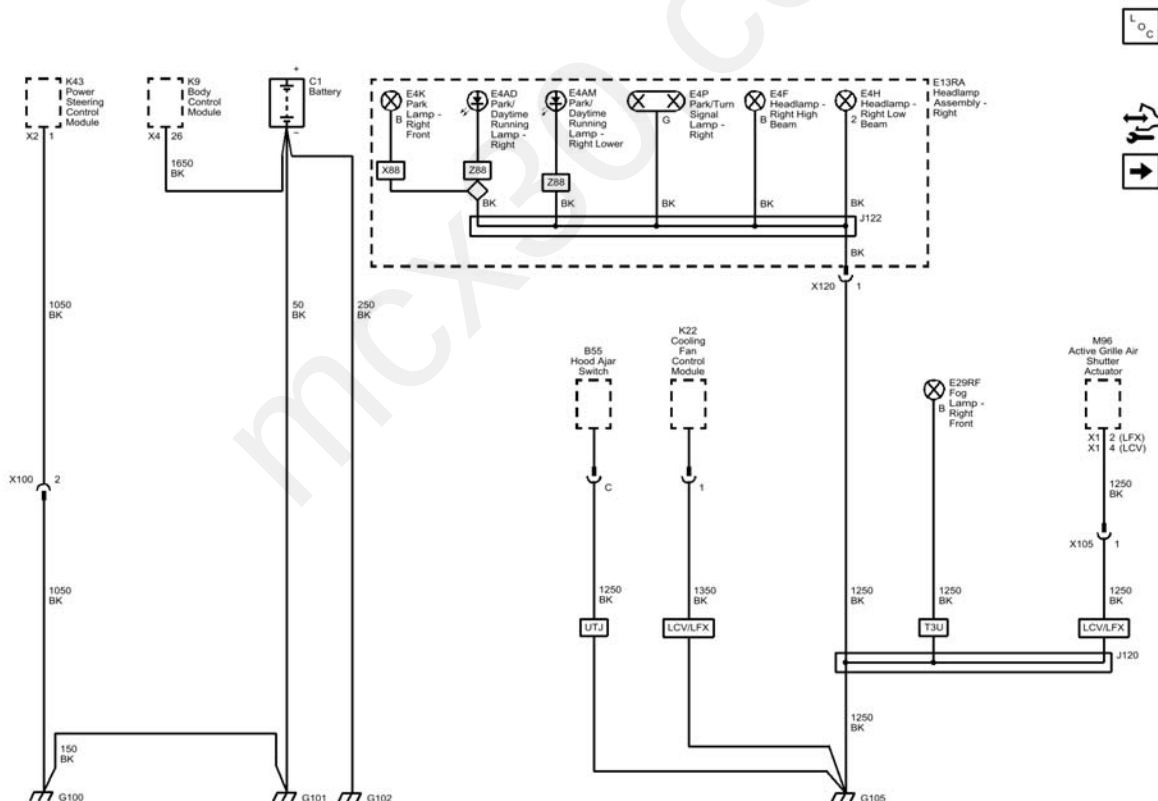


Fig. 85: G100, G101, G102, and G105

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
50	Ground
50_BK	50 BK

Component	Component Name
1650	Ground
1650_BK	1650 BK
CAV_26	26
CONN_X4	X4
CAV_1	1
CONN_X2	X2
1050	Ground
1050_BK	1050 BK
CAV_2	2
1050_BK	1050 BK
150	Ground
250	Ground
250_BK	250 BK
150_BK	150 BK
1250	Ground
1250_BK	1250 BK
CAV_2	2
CONN_X1	X1
1250_BK	1250 BK
CAV_B	B
1250_BK	1250 BK
T3U	LAMP FRT FOG-FRT FOG (U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_1	1
CAV_4	4
CONN_X1	X1
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
1250_BK	1250 BK
1250_BK	1250 BK
1350	Ground
1350_BK	1350 BK
CAV_1	1
1251	Signal Ground
1251_BK/WH	1251 BK/WH
CAV_C	C
X88	MARKET BRAND-CHEVROLET (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_G	G
CAV_B	B
CAV_2	2
_BK	BK
_BK	BK
_BK	BK
_BK	BK

Component	Component Name
Z88	MARKET BRAND-GMC (U.S.A., PR and USVI (MAH), Canada (MBC))
_BK	BK
_BK	BK
CAV_1	1
CAV_B	B
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
UTJ	THEFT DETERENT-ELECTRICAL, UNAUTHORIZED ENTRY (U.S.A., PR and USVI (MAH), Canada (MBC))
X100	X100
X105	X105
J120	J120
G100	G100
G101	G101
G102	G102
G105	G105
J122	J122
X120	X120
C1	C1 Battery
K9	K9 Body Control Module
K43	K43 Power Steering Control Module
E29RF	E29RF Fog Lamp - Right Front (T3U)
E13RA	E13RA Headlamp Assembly - Right
M96	M96 Active Grille Air Shutter Actuator
B55	B55 Hood Ajar Switch (UTJ)
K22	K22 Cooling Fan Control Module (LCV/LFX)
E4H	E4H Headlamp - Right Low Beam
E4F	E4F Headlamp - Right High Beam
E4P	E4P Park/Turn Signal Lamp - Right
E4K	E4K Park Lamp - Right Front (X88)
E4AD	E4AD Park/Daytime Running Lamp - Right (Z88)
E4AM	E4AM Park/Daytime Running Lamp - Right Lower (Z88)

G103

Component Name

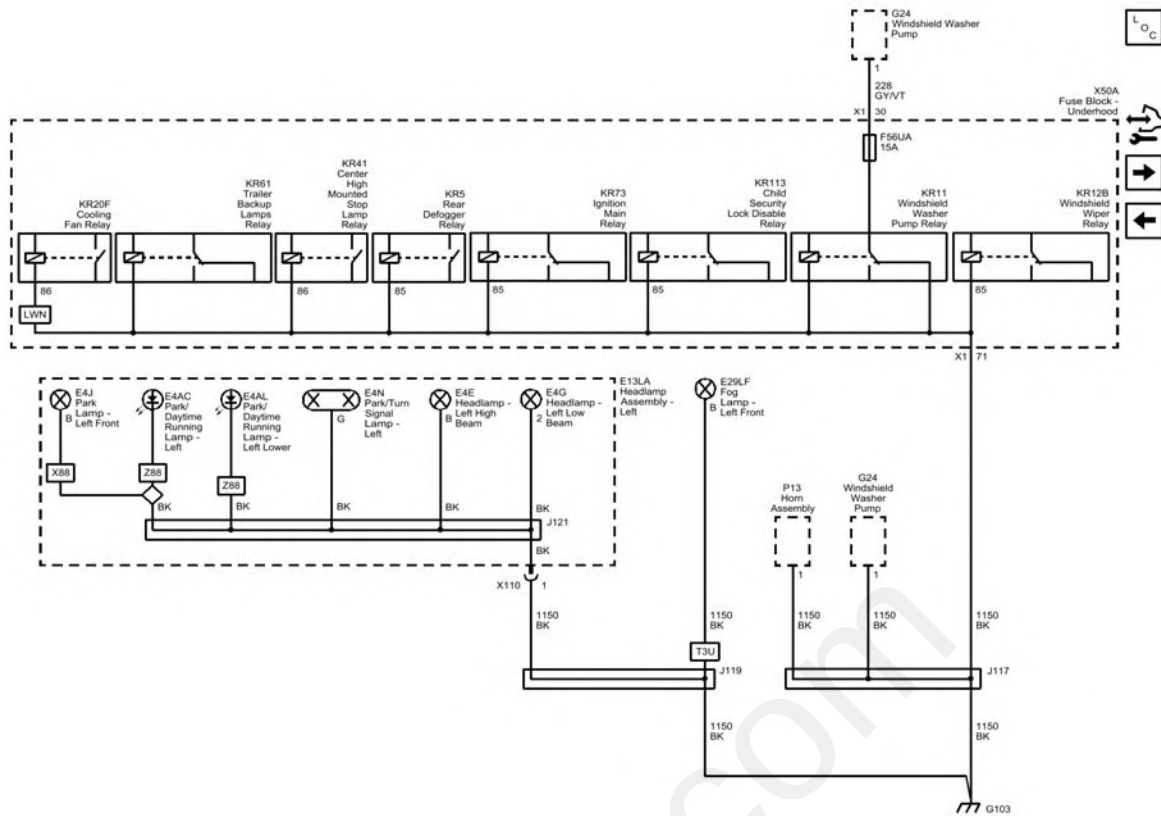


Fig. 86: G103

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAV_85	85
CAV_85	85
228	Windshield Washer Pump Control
228_GY/VT	228 GY/VT
CAV_30	30
CONN_X1	X1
CAV_1	1
1150	Ground
1150_BK	1150 BK
CAV_86	86
1150_BK	1150 BK
CAV_1	1
CAV_85	85
CAV_71	71
CONN_X1	X1
1150_BK	1150 BK
CAV_1	1
CAV_B	B
CAV_85	85
1150_BK	1150 BK

	Component Name
1150_BK	1150 BK
1150_BK	1150 BK
T3U	LAMP FRT FOG-FRT FOG (U.S.A., PR and USVI (MAH), Canada (MBC))
1150_BK	1150 BK
CAV_2	2
_BK	BK
_BK	BK
CAV_B	B
_BK	BK
_BK	BK
CAV_G	G
_BK	BK
_BK	BK
CAV_B	B
Z88	MARKET BRAND-GMC (U.S.A., PR and USVI (MAH), Canada (MBC))
Z88	MARKET BRAND-GMC (U.S.A., PR and USVI (MAH), Canada (MBC))
X88	MARKET BRAND-CHEVROLET (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_1	1
CAV_86	86
LWN	ENGINE-ENGINE DIESEL, 2.8L, DI, L4, DOHC, TURBO, XLDE (U.S.A., PR and USVI (MAH), Canada (MBC))
F56UA	F56UA 15A
J117	J117
J119	J119
G103	G103
J121	J121
X110	X110
KR11	KR11 Windshield Washer Pump Relay
KR12B	KR12B Windshield Wiper Relay
G24	G24 Windshield Washer Pump
KR5	KR5 Rear Defogger Relay
P13	P13 Horn Assembly
KR73	KR73 Ignition Main Relay
G24	G24 Windshield Washer Pump
E29LF	E29LF Fog Lamp - Left Front (T3U)
E13LA	E13LA Headlamp Assembly - Left
KR61	KR61 Trailer Backup Lamp Relay
KR41	KR41 Center High Mounted Stop Lamp Relay
KR113	KR113 Child Security Lock Disable Relay
X50A	X50A Fuse Block - Underhood
E4G	E4G Headlamp - Left Low Beam
E4E	E4E Headlamp - Left High Beam
E4J	E4J Park Lamp - Left Front (X88)
E4N	E4N Park/Turn Signal Lamp - Left

	Component Name
KR20F	KR20F Cooling Fan Relay
E4AC	E4AC Park/Daytime Running Lamp - Left (Z88)
E4AL	E4AL Park/Daytime Running Lamp - Left Lower (Z88)

G107 (LCV/LFX) and G109 (LFX)

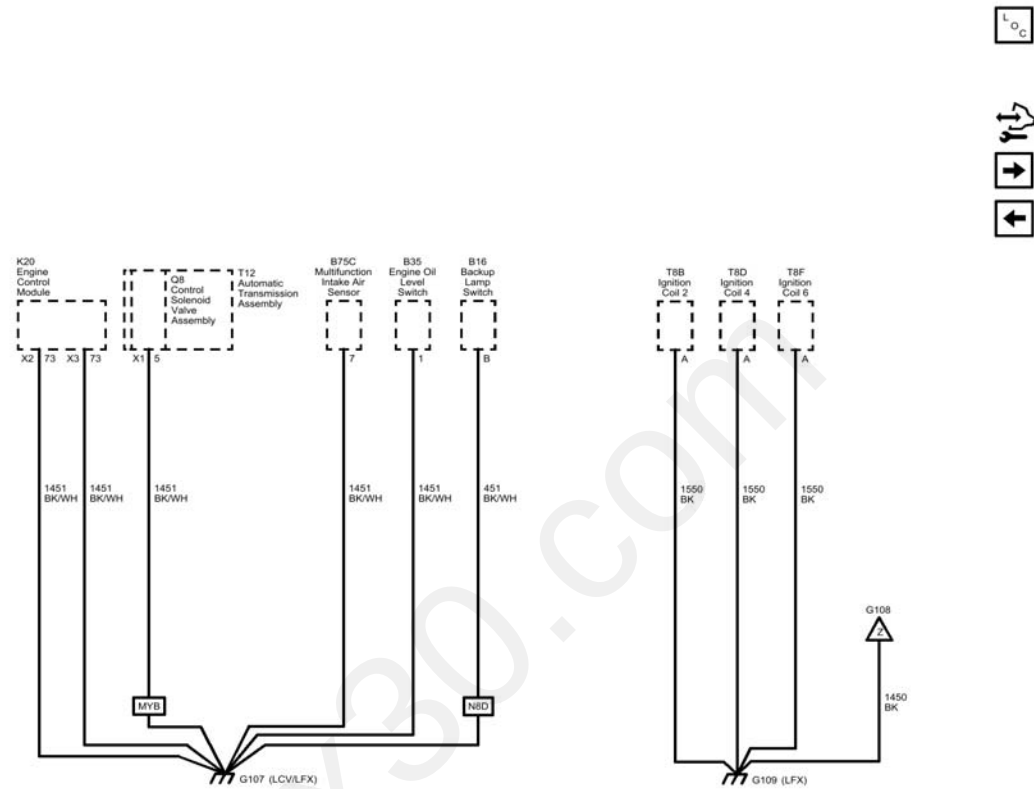


Fig. 87: G107 (LCV/LFX) and G109 (LFX)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAV_A	A
CAV_A	A
CAV_A	A
1550	Ground
CAV_1	1
CAV_7	7
CAV_73	73
CONN_X3	X3
CAV_73	73
CONN_X2	X2
CAV_5	5
CONN_X1	X1
1451	Signal Ground
1451_BK/WH	1451 BK/WH

	Component Name
1451_BK/WH	1451 BK/WH
1451_BK/WH	1451 BK/WH
1451_BK/WH	1451 BK/WH
1451_BK/WH	1451 BK/WH
451	Signal Ground
MYB	TRANSMISSION-AUTO 6 SPD, 6L50 (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
451_BK/WH	451 BK/WH
CAV_B	B
N8D	TRANSMISSION-MAN 6 SPD, 85MM, 4.45 1ST, 2.56 2ND, 1.53 3RD, 1.00 4TH, 0.87 5TH, 0.76 6TH (U.S.A., PR and USVI (MAH), Canada (MBC))
1550_BK	1550 BK
1550_BK	1550 BK
1550_BK	1550 BK
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
1450	Ground
1450_BK	1450 BK
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
G107	G107
G109	G109
Z_REF	Z
G108	G108
K20	K20 Engine Control Module
B75C	B75C Multifunction Intake Air Sensor
Q8	Q8 Control Solenoid Valve Assembly (MYB)
T12	T12 Automatic Transmission Assembly (MYB)
B35	B35 Engine Oil Level Switch
B16	B16 Backup Lamp Switch (N8D)
T8B	T8B Ignition Coil 2
T8D	T8D Ignition Coil 4
T8F	T8F Ignition Coil 6 (LFX)

G107 (LWN)

Component Name

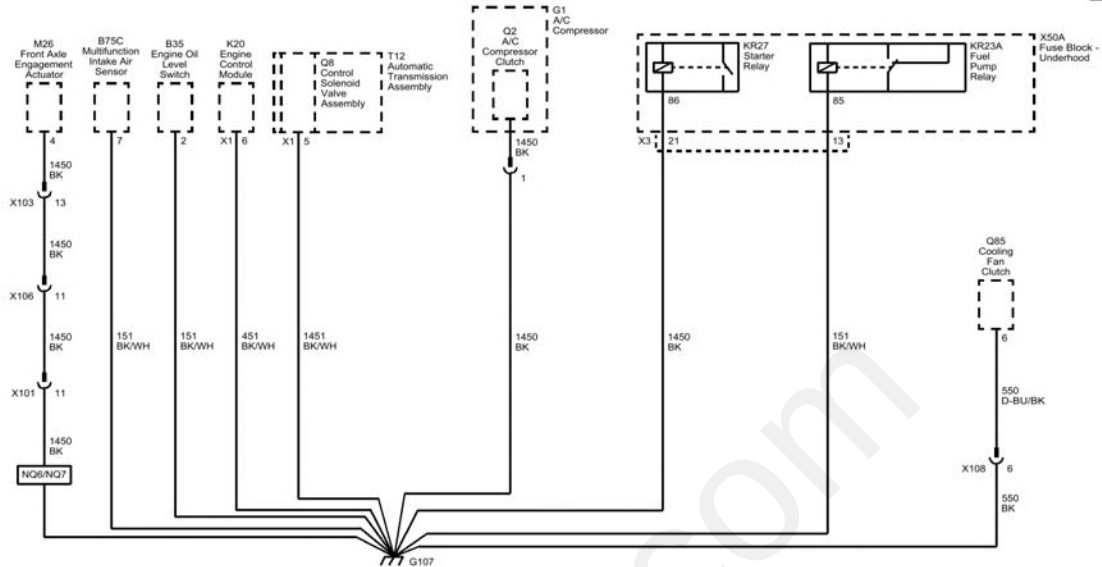


Fig. 88: G107 (LWN)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
151	Signal Ground
151_BK/WH	151 BK/WH
CAV_2	2
451	Signal Ground
451_BK/WH	451 BK/WH
1450	Ground
1450_BK	1450 BK
1451	Signal Ground
1450_BK	1450 BK
CAV_86	86
151_BK/WH	151 BK/WH
CAV_7	7
1450_BK	1450 BK
CAV_4	4
NQ6	TRANSFER CASE-2 SPD, ACTIVE, PART TIME 4WD, L/H DROP, LOW RATIO 2.72:1 (U.S.A., PR and USVI (MAH), Canada (MBC))
NQ7	TRANSFER CASE-2 SPD, SWITCH ACTIVATED, PART TIME 4WD, L/H DROP, LOW RATIO 2.72:1 (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_13	13
CAV_11	11
CAV_11	11

	Component Name
1450_BK	1450 BK
1450_BK	1450 BK
1450_BK	1450 BK
CAV_85	85
1450_BK	1450 BK
CAV_21	21
CONN_X3	X3
151_BK/WH	151 BK/WH
CAV_13	13
CAV_1	1
550	Ground
550_BK	550 BK
CAV_6	6
CAV_6	6
CAV_6	6
CONN_X1	X1
1451_BK/WH	1451 BK/WH
CAV_5	5
CONN_X1	X1
550_D-BU/BK	550 D-BU/BK
X103	X103
X106	X106
X101	X101
G107	G107
X108	X108
KR27	KR27 Starter Relay
Q2	Q2 A/C Compressor Clutch
G1	G1 A/C Compressor
M26	M26 Front Axle Engagement Actuator (NQ6/NQ7)
X50A	X50A Fuse Block - Underhood
KR23A	KR23A Fuel Pump Relay
B75C	B75C Multifunction Intake Air Sensor
B35	B35 Engine Oil Level Switch
K20	K20 Engine Control Module
Q8	Q8 Control Solenoid Valve Assembly (MYB)
T12	T12 Automatic Transmission Assembly (MYB)
Q85	Q85 (LWN)

G108 (LCV/LFX)

Component Name

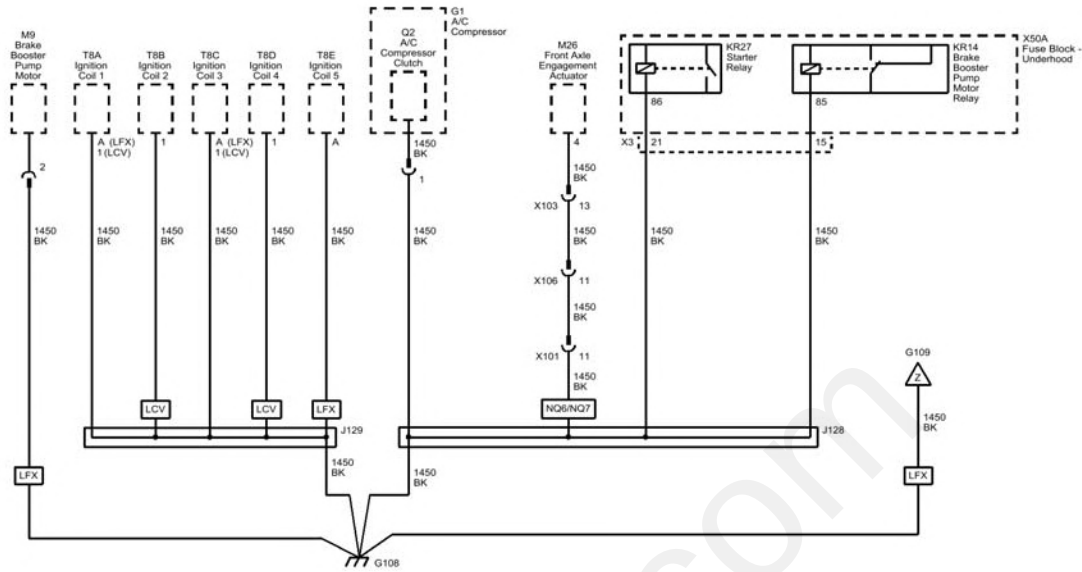


Fig. 89: G108 (LCV/LFX)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAV_1	1
CAV_A	A
CAV_1	1
CAV_A	A
1450	Ground
1450_BK	1450 BK
1450_BK	1450 BK
CAV_86	86
CAV_A	A
1450_BK	1450 BK
CAV_85	85
CAV_21	21
CONN_X3	X3
CAV_15	15
CAV_1	1
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_1	1
CAV_1	1

	Component Name
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
1450_BK	1450 BK
1450_BK	1450 BK
1450_BK	1450 BK
1450_BK	1450 BK
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_2	2
1450_BK	1450 BK
CAV_4	4
NQ6	TRANSFER CASE-2 SPD, ACTIVE, PART TIME 4WD, L/H DROP, LOW RATIO 2.72:1 (U.S.A., PR and USVI (MAH), Canada (MBC))
NQ7	TRANSFER CASE-2 SPD, SWITCH ACTIVATED, PART TIME 4WD, L/H DROP, LOW RATIO 2.72:1 (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_11	11
CAV_11	11
CAV_13	13
1450_BK	1450 BK
1450_BK	1450 BK
1450_BK	1450 BK
1450_BK	1450 BK
1450_BK	1450 BK
1450_BK	1450 BK
1450_BK	1450 BK
1450_BK	1450 BK
1450_BK	1450 BK
LFX	ENGINE-GAS, 6 CYL, 3.6L, SIDI, DOHC, VVT, E85 MAX, ALUM, GM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LCV	ENGINE-GAS, 4 CYL, 2.5L, L4, SIDI, DOHC, DCVCP, VVT, E85 MAX, E0-E100, ALUM (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
G108	G108
J128	J128
X101	X101
X106	X106
X103	X103
J129	J129
Z_REF	Z
G109	G109
T8C	T8C Ignition Coil 3

	Component Name
KR27	KR27 Starter Relay
Q2	Q2 A/C Compressor Clutch
G1	G1 A/C Compressor
T8A	T8A Ignition Coil 1
T8B	T8B Ignition Coil 2
T8D	T8D Ignition Coil 4
T8E	T8E Ignition Coil 5 (LFX)
KR14	KR14 Brake Booster Pump Motor Relay
X50A	X50A Fuse Block - Underhood
M9	M9 Brake Booster Pump Motor (LFX)
M26	M26 Front Axle Engagement Actuator (NQ6/NQ7)

G300

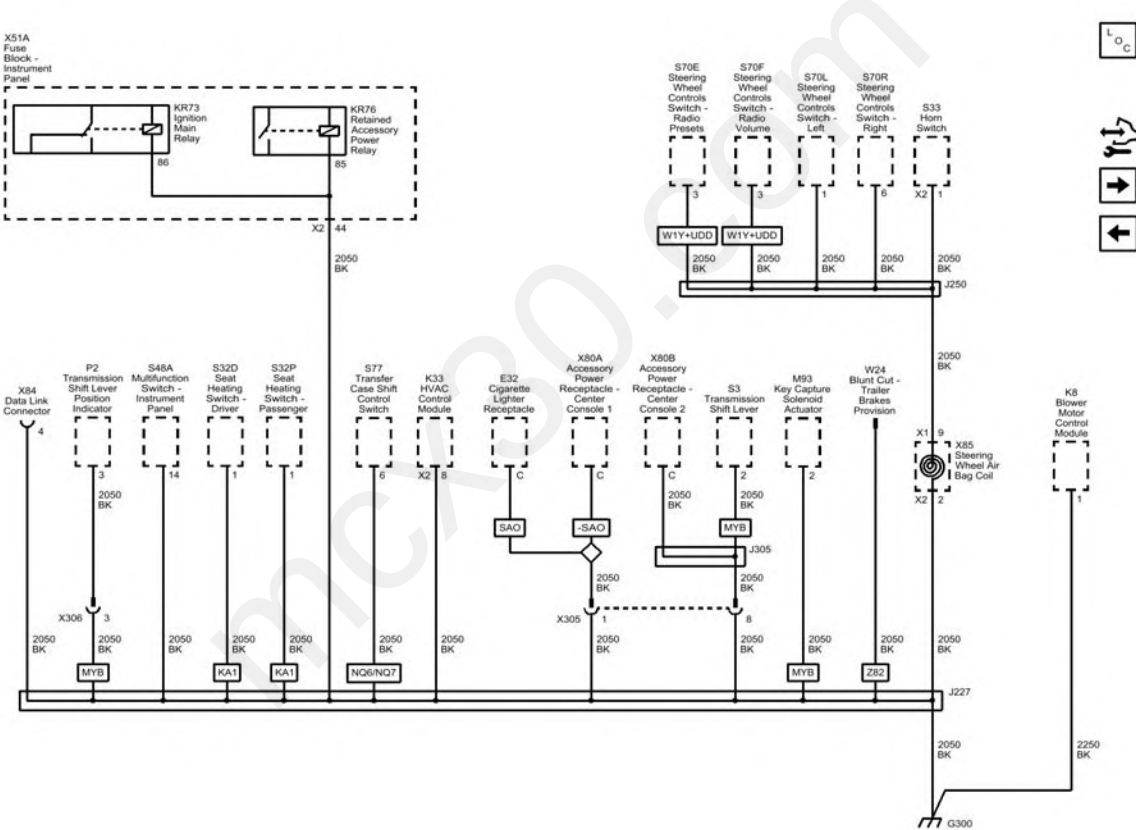


Fig. 90: G300
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAV_2	2
2250_BK	2250 BK
CAV_1	1
2050	Ground
2050_BK	2050 BK
CAV_2	2

	Component Name
CONN_X2	X2
2050_BK	2050 BK
CAV_1	1
CAV_6	6
2050_BK	2050 BK
2050_BK	2050 BK
2050_BK	2050 BK
2050_BK	2050 BK
CAV_9	9
CONN_X1	X1
2050_BK	2050 BK
CAV_3	3
CAV_3	3
CAV_44	44
CONN_X2	X2
CAV_86	86
CAV_85	85
2050_BK	2050 BK
CAV_4	4
2050_BK	2050 BK
2050_BK	2050 BK
CAV_3	3
2050_BK	2050 BK
CAV_14	14
2050_BK	2050 BK
CAV_1	1
2050_BK	2050 BK
CAV_1	1
2050_BK	2050 BK
CAV_6	6
2050_BK	2050 BK
CAV_8	8
CONN_X2	X2
2050_BK	2050 BK
CAV_C	C
2050_BK	2050 BK
2050_BK	2050 BK
CAV_3	3
2050_BK	2050 BK
CAV_2	2
2050_BK	2050 BK
CAV_C	C
2050_BK	2050 BK
2050_BK	2050 BK
2050_BK	2050 BK

	Component Name
2250	Ground
MYB	TRANSMISSION-AUTO 6 SPD, 6L50 (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
KA1	HEATER SEAT FRT-DRVR and PASS (U.S.A., PR and USVI (MAH), Canada (MBC))
KA1	HEATER SEAT FRT-DRVR and PASS (U.S.A., PR and USVI (MAH), Canada (MBC))
NQ6	TRANSFER CASE-2 SPD, ACTIVE, PART TIME 4WD, L/H DROP, LOW RATIO 2.72:1 (U.S.A., PR and USVI (MAH), Canada (MBC))
NQ7	TRANSFER CASE-2 SPD, SWITCH ACTIVATED, PART TIME 4WD, L/H DROP, LOW RATIO 2.72:1 (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
MYB	TRANSMISSION-AUTO 6 SPD, 6L50 (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
Z82	TRAILER PROVISIONS-SPECIAL EQUIPMENT, H.D. (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
MYB	TRANSMISSION-AUTO 6 SPD, 6L50 (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
2050_BK	2050 BK
CAV_C	C
SAO	ACCESSORY-SMOKERS PACKAGE (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
SAO	ACCESSORY-SMOKERS PACKAGE (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
2050_BK	2050 BK
CAV_1	1
CONN_X2	X2
W1Y	CONTROL-STEERING WHEEL, RADIO, REDUNDANT CONTROLS (U.S.A., PR and USVI (MAH), Canada (MBC))
UDD	DISPLAY INSTRUMENT-DRIVER INFO ENHANCED (MULTI COLOR STANDARD GRAPHIC) (U.S.A., PR and USVI (MAH), Canada (MBC))
W1Y	CONTROL-STEERING WHEEL, RADIO, REDUNDANT CONTROLS (U.S.A., PR and USVI (MAH), Canada (MBC))
UDD	DISPLAY INSTRUMENT-DRIVER INFO ENHANCED (MULTI COLOR STANDARD GRAPHIC) (U.S.A., PR and USVI (MAH), Canada (MBC))
X305	X305
CAV_1	1
CAV_8	8
J250	J250
G300	G300
X306	X306
J305	J305
J227	J227
X305	X305
K33	K33 HVAC Control Module
X85	X85 Steering Wheel Air Bag Coil
S70L	S70L Steering Wheel Controls Switch - Left
S70R	S70R Steering Wheel Controls Switch - Right

	Component Name
3250_BK	3250 BK
3150	Ground
3150_BK	3150 BK
CAV_2	2
CAV_5	5
3150_BK	3150 BK
3150_BK	3150 BK
3150_BK	3150 BK
3150_BK	3150 BK
2050_BK	2050 BK
CAV_6	6
CAV_6	6
3250	Ground
3150_BK	3150 BK
3150_BK	3150 BK
CAV_74	74
CONN_X1	X1
CAV_87A	87A
CAV_30	30
CAV_30	30
CAV_87A	87A
95	Windshield Wiper Motor Low Speed Control
95_YE/BN	95 YE/BN
CAV_2	2
CAV_73	73
CONN_X1	X1
CAV_11	11
95_YE/BN	95 YE/BN
CAV_85	85
CAV_B	B
CAV_B	B
D6I	MIRROR I/S FRT VAN SUNSHADE, DRIVER, W/MIRROR, COVER, HOLDER, ILLUM PASS, W/MIRROR, COVER, ILLUM (U.S.A., PR and USVI (MAH), Canada (MBC))
D6I	MIRROR I/S FRT VAN SUNSHADE, DRIVER, W/MIRROR, COVER, HOLDER, ILLUM PASS, W/MIRROR, COVER, ILLUM (U.S.A., PR and USVI (MAH), Canada (MBC))
3150_BK	3150 BK
3150_BK	3150 BK
CAV_12	12
CAV_43	43
CONN_X2	X2
UE1	COMMUNICATION SYSTEM-VEHICLE, ONSTAR (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
DD8	MIRROR I/S R/V-LT SENSITIVE (U.S.A., PR and USVI (MAH), Canada (MBC))
3150_BK	3150 BK

	Component Name
3150_BK	3150 BK
CAV_3	3
CAV_38	38
3150_BK	3150 BK
3150_BK	3150 BK
1782	Drain Wire
1782_BK	1782 BK
1782_BARE	1782 BARE
1782_BK	1782 BK
CAV_12	12
1782_BARE	1782 BARE
1782_BK	1782 BK
CAV_3	3
3150_BK	3150 BK
CAV_B	B
CAV_B	B
CAV_B	B
3150_BK	3150 BK
NQ6	TRANSFER CASE-2 SPD, ACTIVE, PART TIME 4WD, L/H DROP, LOW RATIO 2.72:1 (U.S.A., PR and USVI (MAH), Canada (MBC))
NQ7	TRANSFER CASE-2 SPD, SWITCH ACTIVATED, PART TIME 4WD, L/H DROP, LOW RATIO 2.72:1 (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
NQ6	TRANSFER CASE-2 SPD, ACTIVE, PART TIME 4WD, L/H DROP, LOW RATIO 2.72:1 (U.S.A., PR and USVI (MAH), Canada (MBC))
NQ7	TRANSFER CASE-2 SPD, SWITCH ACTIVATED, PART TIME 4WD, L/H DROP, LOW RATIO 2.72:1 (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_3	3
CONN_X6	X6
CAV_D	D
CONN_X3	X3
CAV_10	10
CONN_X3	X3
X102	X102
X301	X301
J103	J103
X102	X102
J101	J101
X101	X101
J106	J106
X303	X303
G301	G301
J308	J308
P14	P14 Passenger Air Bag Disabled Indicator
A10	A10 Inside Rearview Mirror
E31L	E31L Sunshade Mirror Lamp - Left (D6I)
E31R	E31R Sunshade Mirror Lamp - Right (D6I)

	Component Name
KR12B	KR12B Windshield Wiper Relay
KR12C	KR12C Windshield Wiper Speed Control Relay
W7	W7 Blunt Cut - Shield
W7	W7 Blunt Cut - Shield
E33R	E33R Cargo Lamp - Right
E33L	E33L Cargo Lamp - Left
K9	K9 Body Control Module
K69	K69 Transfer Case Control Module (NQ6/NQ7)
M75	M75 Windshield Wiper Motor
X50A	X50A Fuse Block - Underhood
KR112	KR112 Cargo Lamp Relay
E6	E6 Center High Mounted Stop Lamp
E37F	E37F Dome/Reading Lamps - Front (C74)
E37R	E37R Dome/Reading Lamps - Rear

G302 and G305

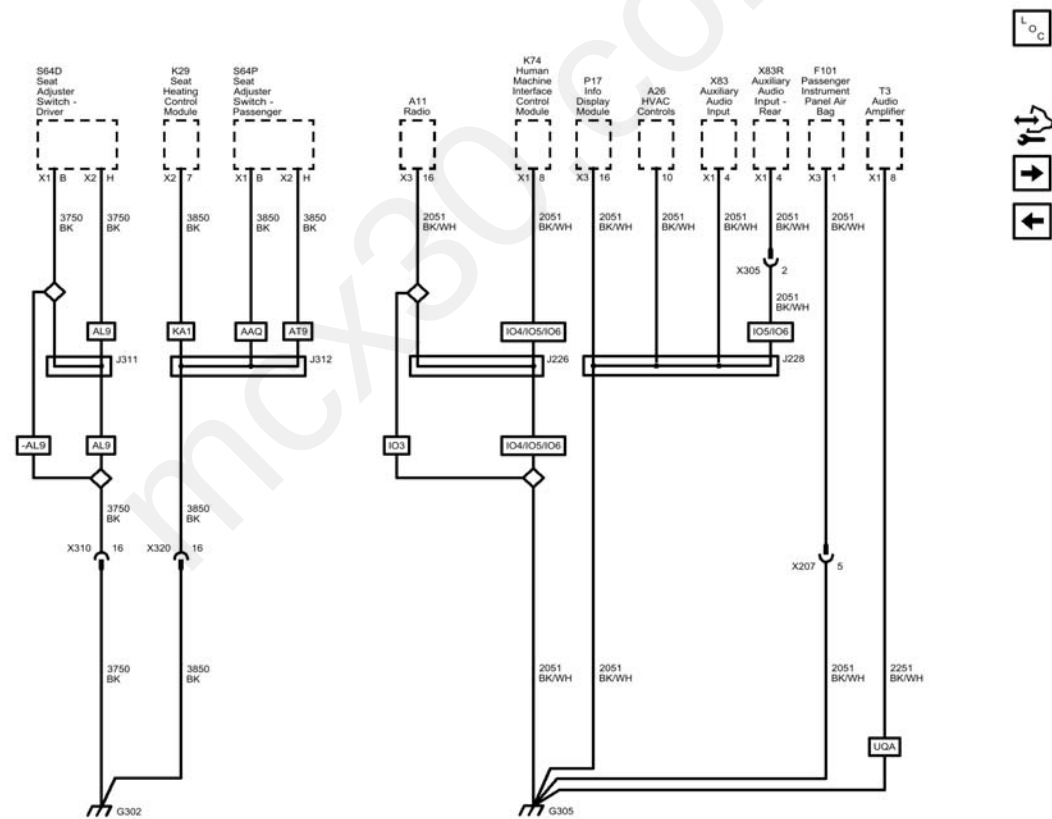


Fig. 92: G302 and G305
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
3750	Ground
3750_BK	3750 BK
3750__BK	3750 BK

	Component Name
CAV_B	B
CONN_X1	X1
3850	Ground
3850_BK	3850 BK
CAV_B	B
CONN_X1	X1
3850_BK	3850 BK
CAV_H	H
CONN_X2	X2
3750_BK	3750 BK
CAV_16	16
3850_BK	3850 BK
3850_BK	3850 BK
KA1	HEATER SEAT FRT-DRVR and PASS (U.S.A., PR and USVI (MAH), Canada (MBC))
AAQ	ADJUSTER PASS ST-POWER, 4 WAY (U.S.A., PR and USVI (MAH), Canada (MBC))
AT9	LUMBAR PASSENGER-SEAT, POWER, 2 WAY (U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_16	16
3850_BK	3850 BK
CAV_7	7
CONN_X2	X2
2051	Signal Ground
2051_BK/WH	2051 BK/WH
2051_BK/WH	2051 BK/WH
2051_BK/WH	2051 BK/WH
2051_BK/WH	2051 BK/WH
2051_BK/WH	2051 BK/WH
CAV_16	16
CONN_X3	X3
CAV_10	10
2051_BK/WH	2051 BK/WH
2051_BK/WH	2051 BK/WH
CAV_4	4
CONN_X1	X1
CAV_4	4
CONN_X1	X1
2051_BK/WH	2051 BK/WH
2251	Signal Ground
2251_BK/WH	2251 BK/WH
UQA	SPEAKER SYSTEM-PREMIUM AUDIO BRANDED WITH AMPLIFIER (U.S.A., PR and USVI (MAH), Canada (MBC))
2051_BK/WH	2051 BK/WH
CAV_8	8
CONN_X1	X1

	Component Name
IO4	RADIO-INFOTAINMENT SYSTEM - BASE HMI, ENHANCED CONNECTIVITY (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
IO5	RADIO-INFOTAINMENT SYSTEM - UPLEVEL HMI, ENHANCED CONNECTIVITY (U.S.A., PR and USVI (MAH), Canada (MBC))
IO6	RADIO-INFOTAINMENT SYSTEM - UPLEVEL HMI, ENHANCED CONNECTIVITY, EMBEDDED NAVIGATION (U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_2	2
2051_BK/WH	2051 BK/WH
CAV_16	16
CONN_X3	X3
CAV_8	8
CONN_X1	X1
CAV_1	1
CONN_X3	X3
CAV_5	5
2051_BK/WH	2051 BK/WH
IO5	RADIO-INFOTAINMENT SYSTEM - UPLEVEL HMI, ENHANCED CONNECTIVITY (U.S.A., PR and USVI (MAH), Canada (MBC))
IO6	RADIO-INFOTAINMENT SYSTEM - UPLEVEL HMI, ENHANCED CONNECTIVITY, EMBEDDED NAVIGATION (U.S.A., PR and USVI (MAH), Canada (MBC))
IO3	RADIO-INFOTAINMENT SYSTEM - BASE HMI (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
IO4	RADIO-INFOTAINMENT SYSTEM - BASE HMI, ENHANCED CONNECTIVITY (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
IO5	RADIO-INFOTAINMENT SYSTEM - UPLEVEL HMI, ENHANCED CONNECTIVITY (U.S.A., PR and USVI (MAH), Canada (MBC))
IO6	RADIO-INFOTAINMENT SYSTEM - UPLEVEL HMI, ENHANCED CONNECTIVITY, EMBEDDED NAVIGATION (U.S.A., PR and USVI (MAH), Canada (MBC))
AL9	LUMBAR DRIVER-SEAT, POWER, 2 WAY (U.S.A., PR and USVI (MAH), Canada (MBC))
AL9	LUMBAR DRIVER-SEAT, POWER, 2 WAY (U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_H	H
CONN_X2	X2
3750_BK	3750 BK
AL9	LUMBAR DRIVER-SEAT, POWER, 2 WAY (U.S.A., PR and USVI (MAH), Canada (MBC))
X310	X310
X320	X320
J226	J226
X305	X305
G302	G302
G305	G305
X207	X207

	Component Name
J228	J228
J312	J312
J311	J311
K29	K29 Seat Heating Control Module (KA1)
S64D	S64D Seat Adjuster Switch - Driver
S64P	S64P Seat Adjuster Switch - Passenger (AAQ)
A11	A11 Radio
K74	K74 Human Machine Interface Control Module (IO4/IO5/IO6)
X83	X83 Auxiliary Audio Input
F101	F101 Passenger Instrument Panel Air Bag
T3	T3 Audio Amplifier (UQA)
X83R	X83R Auxiliary Audio Input - Rear (IO5/IO6)
P17	P17 Info Display Module
A26	A26 HVAC Controls

G303

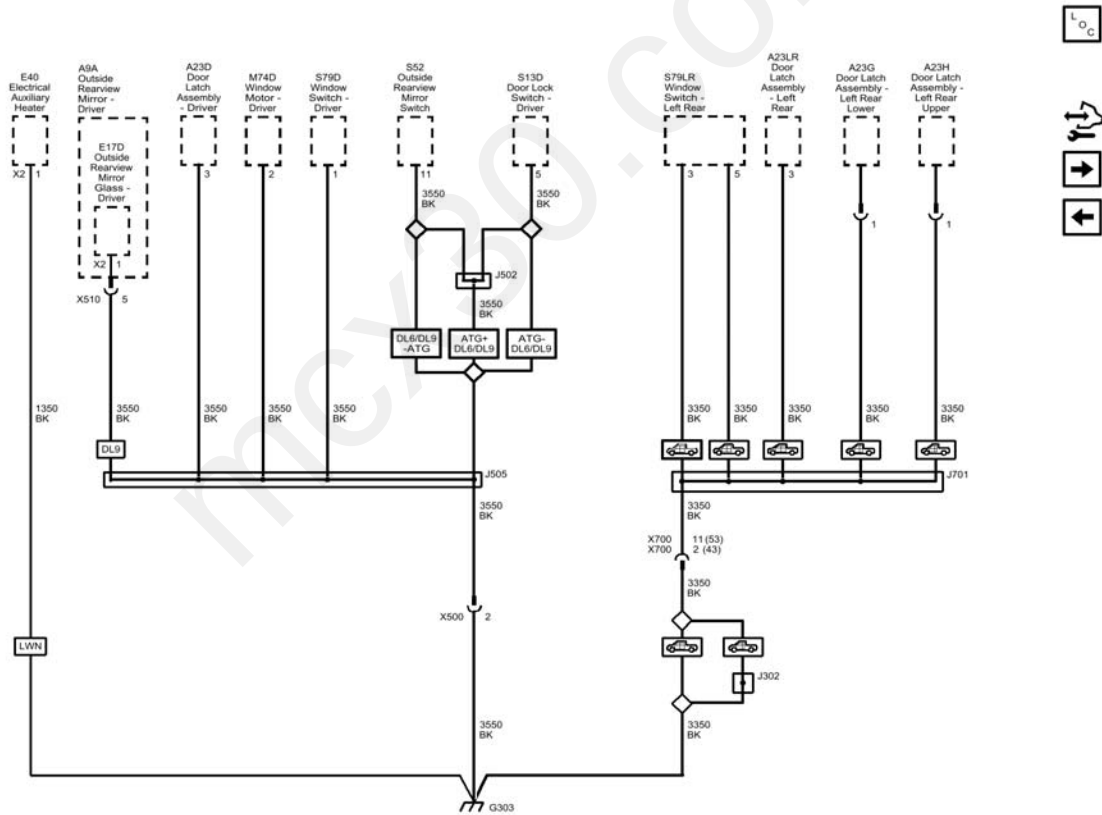


Fig. 93: G303
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
3350	Ground
3350_BK	3350 BK
3350_BK	3350 BK

	Component Name
3350_BK	3350 BK
CAV_3	3
CAV_3	3
3550	Ground
3550_BK	3550 BK
3550_BK	3550 BK
CAV_2	2
CAV_1	1
3350_BK	3350 BK
CAV_5	5
CAV_3	3
CAV_11	11
CAV_5	5
3550_BK	3550 BK
CAV_1	1
CONN_X2	X2
CAV_5	5
3550_BK	3550 BK
3550_BK	3550 BK
3550_BK	3550 BK
ATG	LOCK CONTROL, ENTRY-REMOTE ENTRY, STANDARD RANGE (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
DL6	MIRROR O/S-LH and RH, REMOTE CONTROL, ELECTRIC, MANUAL FOLDING, COLOR (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
DL9	MIRROR O/S-LH and RH, REMOTE CONTROL, ELECTRIC, HEATED, CHROME (U.S.A., PR and USVI (MAH), Canada (MBC))
ATG	LOCK CONTROL, ENTRY-REMOTE ENTRY, STANDARD RANGE (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
DL6	MIRROR O/S-LH and RH, REMOTE CONTROL, ELECTRIC, MANUAL FOLDING, COLOR (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
DL9	MIRROR O/S-LH and RH, REMOTE CONTROL, ELECTRIC, HEATED, CHROME (U.S.A., PR and USVI (MAH), Canada (MBC))
DL6	MIRROR O/S-LH and RH, REMOTE CONTROL, ELECTRIC, MANUAL FOLDING, COLOR (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
DL9	MIRROR O/S-LH and RH, REMOTE CONTROL, ELECTRIC, HEATED, CHROME (U.S.A., PR and USVI (MAH), Canada (MBC))
ATG	LOCK CONTROL, ENTRY-REMOTE ENTRY, STANDARD RANGE (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
3350_BK	3350 BK
CREWCAB	CREW CAB (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
EXTCAB	EXTENDED CAB (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
3350_BK	3350 BK
CAV_2	2
CAV_11	11
43	CREW CAB (U.S.A., PR and USVI (MAH), Canada (MBC))
53	EXTENDED CAB (U.S.A., PR and USVI (MAH), Canada (MBC))

	Component Name
CAV_2	2
3550_BK	3550 BK
CAV_1	1
CAV_1	1
3550_BK	3550 BK
3350_BK	3350 BK
3550_BK	3550 BK
DL9	MIRROR O/S-LH and RH, REMOTE CONTROL, ELECTRIC, HEATED, CHROME (U.S.A., PR and USVI (MAH), Canada (MBC))
EXTCAB	EXTENDED CAB (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CREWCAB	CREW CAB (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CREWCAB	CREW CAB (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
3350_BK	3350 BK
CREWCAB	CREW CAB (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
EXTCAB	EXTENDED CAB (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
1350	Ground
1350_BK	1350 BK
CAV_1	1
CONN_X2	X2
LWN	ENGINE-ENGINE DIESEL, 2.8L, DI, L4, DOHC, TURBO, XLDE (U.S.A., PR and USVI (MAH), Canada (MBC))
X510	X510
J502	J502
X700	X700
X500	X500
J505	J505
J701	J701
J302	J302
G303	G303
E17D	E17D Outside Rearview Mirror Glass - Driver (DL9)
A9A	A9A Outside Rearview Mirror - Driver
S79LR	S79LR Window Switch - Left Rear (Crew Cab)
A23LR	A23LR Door Latch Assembly - Left Rear (Crew Cab)
A23G	A23G Door Latch Assembly - Left Rear Lower (Extended Cab)
A23H	A23H Door Latch Assembly - Left Rear Upper (Extended Cab)
A23D	A23D Door Latch Assembly - Driver
M74D	M74D Window Motor - Driver
S79D	S79D Window Switch - Driver
S52	S52 Outside Rearview Mirror Switch (DL6/DL9)
S13D	S13D Door Lock Switch - Driver (ATG)
E40	E40 Electrical Auxiliary Heater (LWN)

Component Name

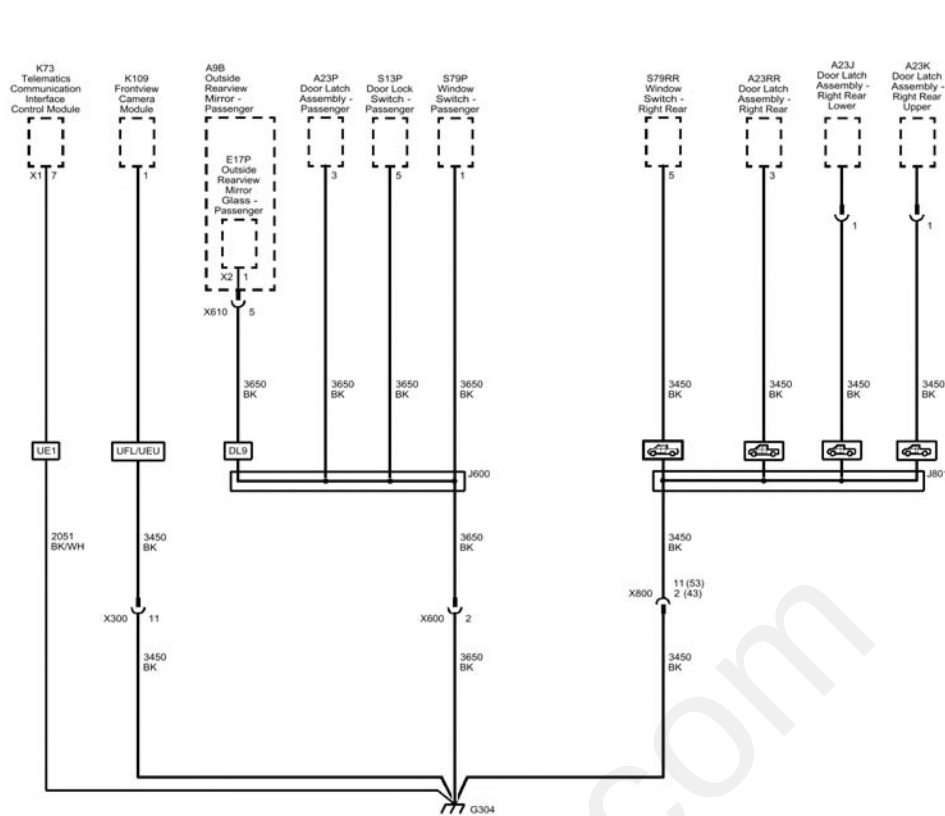


Fig. 94: G304

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
3450	Ground
3450_BK	3450 BK
3450_BK	3450 BK
3450_BK	3450 BK
CAV_3	3
CAV_5	5
3650	Ground
3650_BK	3650 BK
3650_BK	3650 BK
CAV_5	5
CAV_1	1
CAV_3	3
3650_BK	3650 BK
CAV_1	1
CONN_X2	X2
CAV_5	5
3450_BK	3450 BK
CREWCAB	CREW CAB (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
EXTCAB	EXTENDED CAB (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
3450_BK	3450 BK

	Component Name
CAV_2	2
CAV_11	11
43	CREW CAB (U.S.A., PR and USVI (MAH), Canada (MBC))
53	EXTENDED CAB (U.S.A., PR and USVI (MAH), Canada (MBC))
3650_BK	3650 BK
CAV_1	1
CAV_1	1
3450_BK	3450 BK
DL9	MIRROR O/S-LH and RH, REMOTE CONTROL, ELECTRIC, HEATED, CHROME (U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_2	2
3450_BK	3450 BK
2051	Signal Ground
2051_BK/WH	2051 BK/WH
CAV_1	1
CAV_11	11
CAV_7	7
CONN_X1	X1
UE1	COMMUNICATION SYSTEM-VEHICLE, ONSTAR (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
UFL	LANE ACTIVE SAFETY-DEPARTURE WARNING (U.S.A., PR and USVI (MAH), Canada (MBC))
UEU	SENSOR INDICATOR-FORWARD COLLISION ALERT (U.S.A., PR and USVI (MAH), Canada (MBC))
EXTCAB	EXTENDED CAB (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CREWCAB	CREW CAB (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
3650_BK	3650 BK
3450_BK	3450 BK
3650_BK	3650 BK
3450_BK	3450 BK
53	EXTENDED CAB (U.S.A., PR and USVI (MAH), Canada (MBC))
X610	X610
X800	X800
J600	J600
X600	X600
X300	X300
J801	J801
J303	J303
G304	G304
A23RR	A23RR Door Latch Assembly - Right Rear (Crew Cab)
A23J	A23J Door Latch Assembly - Right Rear Lower (Extended Cab)
A23K	A23K Door Latch Assembly - Right Rear Upper (Extended Cab)
E17P	E17P Outside Rearview Mirror Glass - Passenger (DL9)
A9B	A9B Outside Rearview Mirror - Passenger
A23P	A23P Door Latch Assembly - Passenger
S79P	S79P Window Switch - Passenger

	Component Name
K73	K73 Telematics Communication Interface Control Module (UE1)
S79RR	S79RR Window Switch - Right Rear (Crew Cab)
K109	K109 Frontview Camera Module (UEU/UFL)
S13P	S13P Door Lock Switch - Passenger (ATG)

G306 and G307

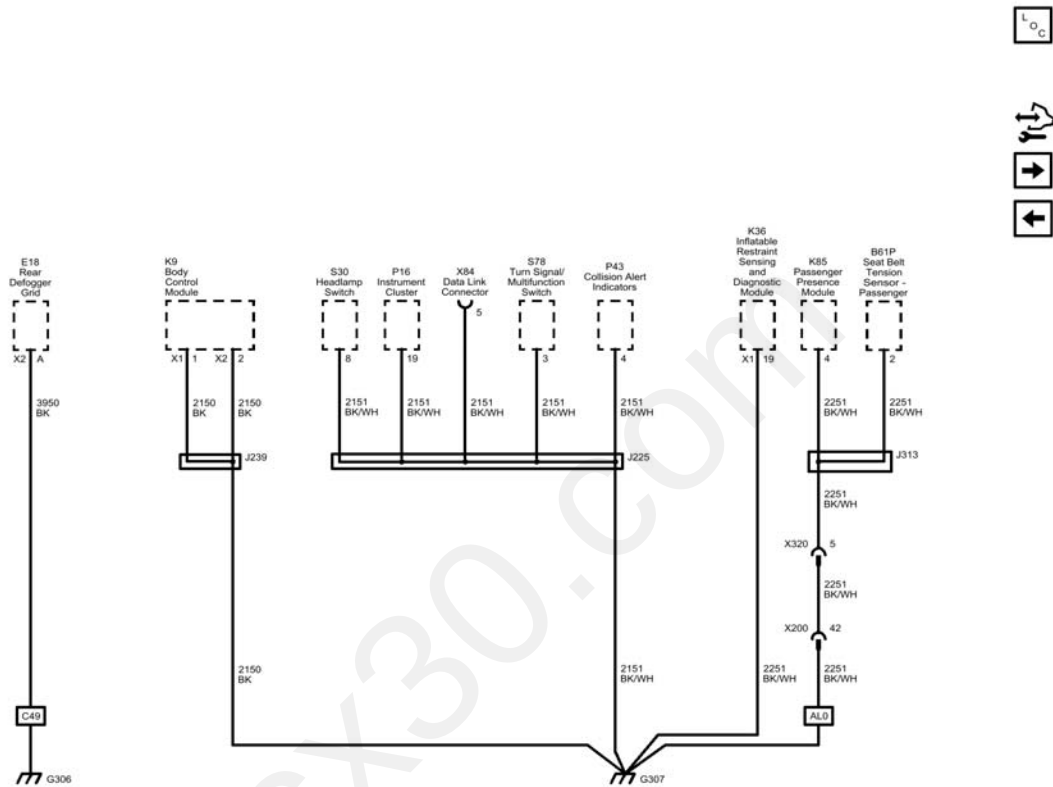


Fig. 95: G306 and G307
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAV_4	4
CAV_2	2
CONN_X2	X2
CAV_1	1
CONN_X1	X1
2150	Ground
2151_BK/WH	2151 BK/WH
2251	Signal Ground
2251_BK/WH	2251 BK/WH
2151_BK/WH	2151 BK/WH
2150_BK	2150 BK
2251_BK/WH	2251 BK/WH
CAV_4	4

	Component Name
CAV_19	19
2151	Signal Ground
2151_BK/WH	2151 BK/WH
CAV_3	3
2151_BK/WH	2151 BK/WH
CAV_8	8
2251_BK/WH	2251 BK/WH
CAV_2	2
AL0	SENSOR INDICATOR INFLATABLE RESTRAINT, FRT PASS/CHILD PRESENCE DETECTOR (U.S.A., PR and USVI (MAH), Canada (MBC))
2251_BK/WH	2251 BK/WH
3950	Ground
3950_BK	3950 BK
CAV_A	A
CONN_X2	X2
C49	DEFOGGER-RR WINDOW, ELECTRIC (U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_19	19
CONN_X1	X1
CAV_5	5
CAV_42	42
2251_BK/WH	2251 BK/WH
2251_BK/WH	2251 BK/WH
2151_BK/WH	2151 BK/WH
CAV_5	5
2150_BK	2150 BK
2150_BK	2150 BK
2151_BK/WH	2151 BK/WH
G306	G306
X320	X320
X200	X200
J225	J225
J313	J313
G307	G307
J239	J239
K9	K9 Body Control Module
P16	P16 Instrument Cluster
P43	P43 Collision Alert Indicators (UEU)
X84	X84 Data Link Connector
S30	S30 Headlamp Switch
S78	S78 Turn Signal/Multifunction Switch
K36	K36 Inflatable Restraint Sensing and Diagnostic Module
K85	K85 Passenger Presence Module
B61P	B61P Seat Belt Tension Sensor - Passenger
E18	E18 Rear Defogger Grid (C49)

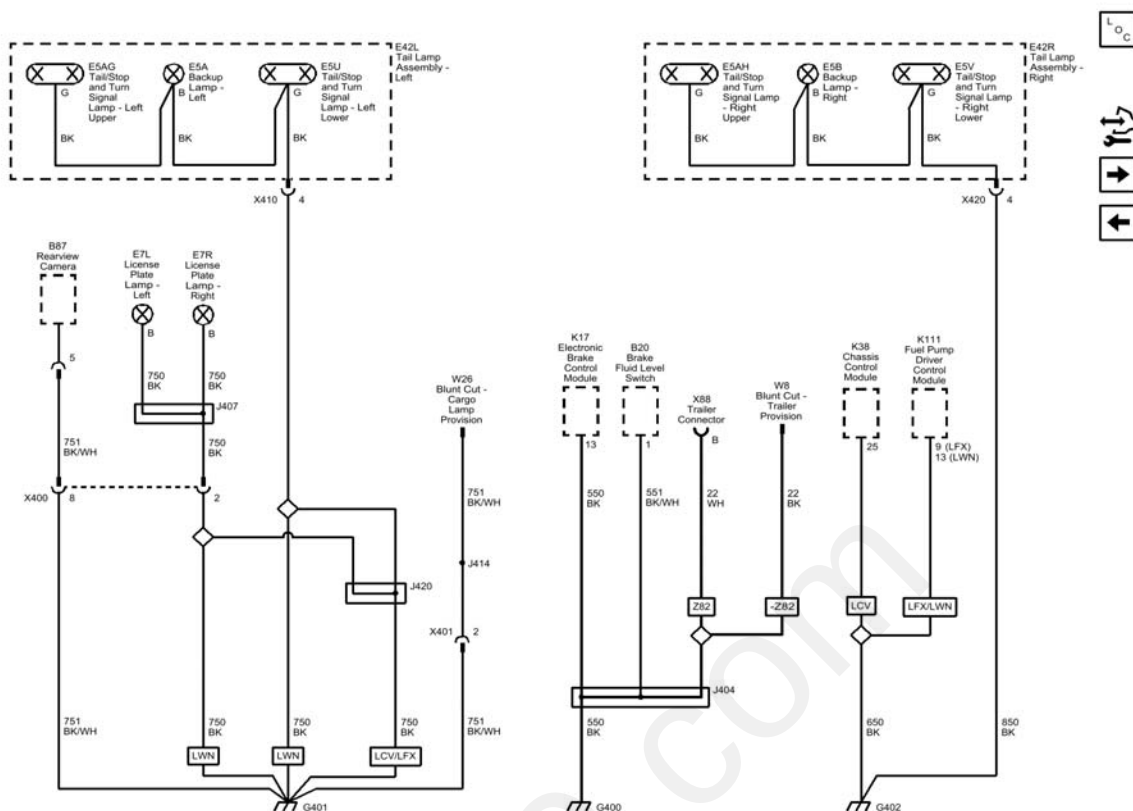


Fig. 96: G400, G401, and G402

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAV_1	1
CAV_9	9
650	Ground
650_BK	650 BK
22_WH	22 WH
22	Trailer Ground
22_BK	22 BK
750	Ground
750_BK	750 BK
650_BK	650 BK
Z82	(Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
551_BK/WH	551 BK/WH
751	Signal Ground
751_BK/WH	751 BK/WH
CAV_5	5
850	Ground
850_BK	850 BK
750_BK	750 BK
CAV_B	B

	Component Name
750_BK	750 BK
CAV_B	B
750_BK	750 BK
550	Ground
551	Signal Ground
Z82	(Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LCV	(Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_9	9
CAV_25	25
CAV_B	B
_BK	BK
CAV_4	4
_BK	BK
_BK	BK
CAV_G	G
CAV_G	G
CAV_B	B
_BK	BK
_BK	BK
_BK	BK
CAV_G	G
CAV_G	G
751_BK/WH	751 BK/WH
750_BK	750 BK
751_BK/WH	751 BK/WH
LFX	(Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
LWN	(U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_4	4
CAV_2	2
751_BK/WH	751 BK/WH
CAV_13	13
550_BK	550 BK
550_BK	550 BK
CAV_B	B
JL1	(U.S.A., PR and USVI (MAH), Canada (MBC))
LFX	(Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
CAV_13	13
LWN	(U.S.A., PR and USVI (MAH), Canada (MBC))
22_BK	22 BK
CAV_A	A
8S3	(Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
22_WH	22 WH
8S3	(Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
Z82	(Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
22_BK	22 BK

	Component Name
Z82	(Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
X400	X400
CAV_8	8
CAV_2	2
J407	J407
G402	G402
G401	G401
X410	X410
X420	X420
X401	X401
G400	G400
J404	J404
J411	J411
X400	X400
B20	B20 Brake Fluid Level Switch
X88	X88 Trailer Connector (Z82)
B87	B87 Rearview Camera (UVC)
E7L	E7L License Plate Lamp - Left
E7R	E7R License Plate Lamp - Right
E5A	E5A Backup Lamp - Left
W8	W8 Blunt Cut - Trailer Provision
K38	K38 Chassis Control Module
K111	K111 Fuel Pump Driver Control Module (LCV)
E5AG	E5AG Tail/Stop and Turn Signal Lamp - Left Upper
E5U	E5U Tail/Stop and Turn Signal Lamp - Left Lower
E42R	E42R Tail Lamp Assembly - Right
E5V	E5V Tail/Stop and Turn Signal Lamp - Right Lower
E5AH	E5AH Tail/Stop and Turn Signal Lamp - Right Upper
E5B	E5B Backup Lamp - Right
W26	W26 Blunt Cut - Cargo Lamp Provision (S0Y)
K17	K17 Electronic Brake Control Module
K133	K133 Trailer Brake Power Control Module (JL1)
E42L	E42L Tail Lamp Assembly - Left
P3	P3 Backup Alarm

G404 (LWN)

Component Name

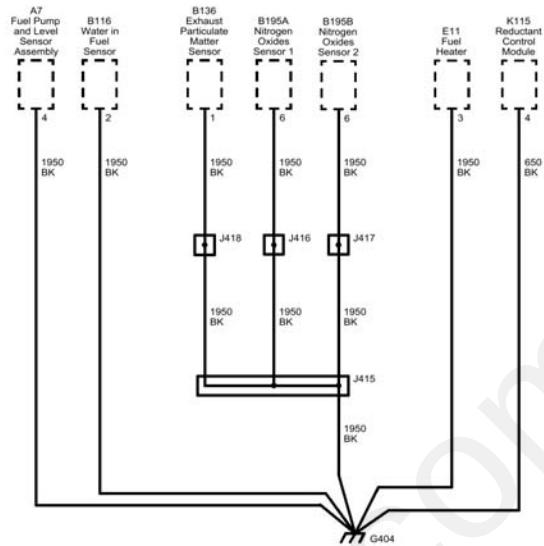


Fig. 97: G404 (LWN)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1950	Ground
650	Ground
CAV_6	6
CAV_6	6
CAV_4	4
CAV_2	2
CAV_3	3
CAV_4	4
650_BK	650 BK
1950_BK	1950 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
1950_BK	1950 BK
1950_BK	1950 BK
1950_BK	1950 BK
1950_BK	1950 BK
1950_BK	1950 BK

Callout	Component Name
G404	G404
J415	J415
J418	J418
J416	J416
J417	J417
A7	A7 Fuel Pump and Level Sensor Assembly
B116	B116 Water in Fuel Sensor (LWN)
K115	K115 Reductant Control Module (LWN)
E11	E11 Fuel Heater (LWN)
B136	B136 Exhaust Particulate Matter Sensor (LWN)
B195A	B195A Nitrogen Oxides Sensor 1 (LWN)
B195B	B195B Nitrogen Oxides Sensor 2 (LWN)

TRAILER CONNECTOR/PROVISION WIRING SCHEMATICS

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

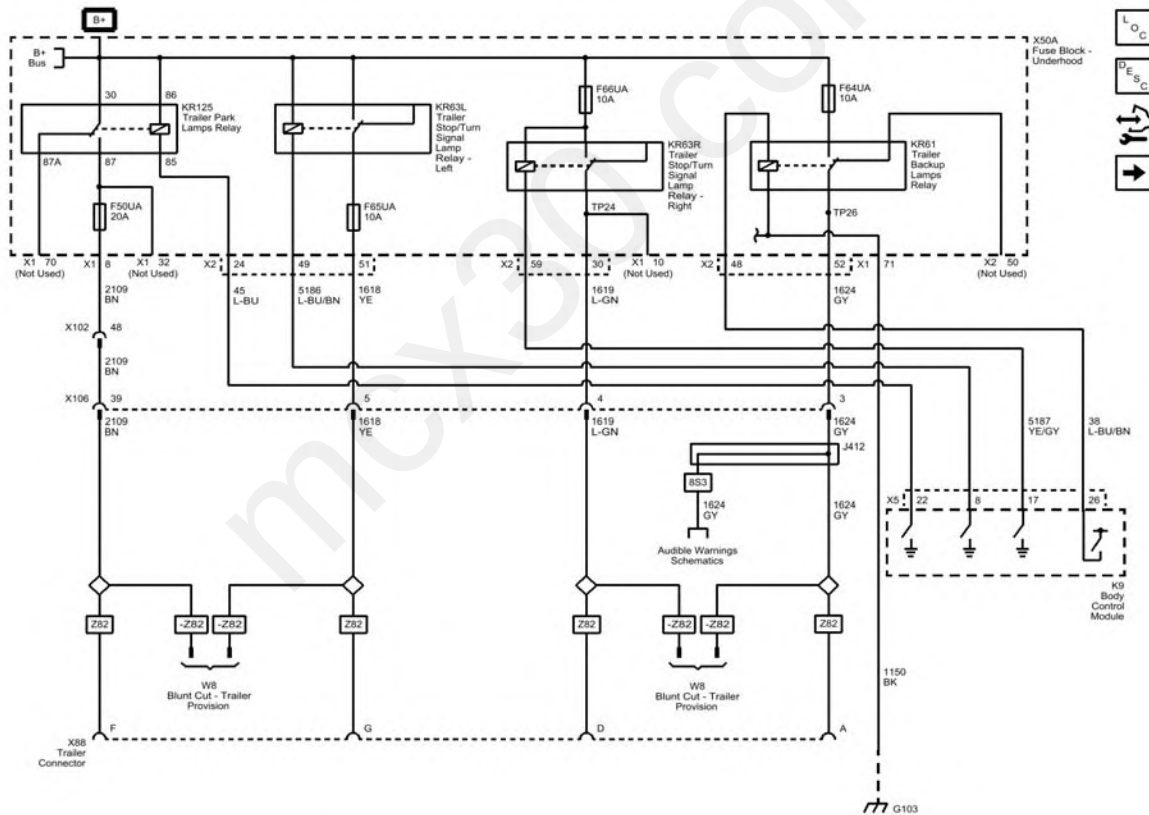


Fig. 98: Trailer Connector Pins: A, D, F, and G
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAV_30	30
CAV_86	86
CAV_87	87
CAV_32	32

INN_X1 Inlet	X1 Component Name
CAV_70	70
CONN_X1	X1
CAV_10	10
CONN_X1	X1
CAV_87A	87A
2109	Trailer Park Lamp Supply Voltage
2109_BN	2109 BN
CAV_8	8
CONN_X1	X1
CAV_F	F
CAV_48	48
2109_BN	2109 BN
1618	Left Rear Trailer Stop/Turn Lamp Supply Voltage
1618_YE	1618 YE
CAV_G	G
1619	Right Rear Trailer Stop/Turn Lamp Supply Voltage
1619_L-GN	1619 L-GN
CAV_4	4
CAV_50	50
CONN_X2	X2
1624	Trailer Backup Lamp Supply Voltage
1624_GY	1624 GY
CAV_A	A
CAV_3	3
2109_BN	2109 BN
1618_YE	1618 YE
1619_L-GN	1619 L-GN
1624_GY	1624 GY
38_L-BU/BN	38 L-BU/BN
CAV_51	51
CAV_30	30
CAV_85	85
Z82	TRAILER PROVISIONS-SPECIAL EQUIPMENT, H.D. (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
Z82	TRAILER PROVISIONS-SPECIAL EQUIPMENT, H.D. (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
Z82	TRAILER PROVISIONS-SPECIAL EQUIPMENT, H.D. (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
Z82	TRAILER PROVISIONS-SPECIAL EQUIPMENT, H.D. (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
Z82	TRAILER PROVISIONS-SPECIAL EQUIPMENT, H.D. (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
Z82	TRAILER PROVISIONS-SPECIAL EQUIPMENT, H.D. (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
Z82	TRAILER PROVISIONS-SPECIAL EQUIPMENT, H.D. (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))

Callout	Component Name
Z82	TRAILER PROVISIONS-SPECIAL EQUIPMENT, H.D. (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
5187	Right Trailer Turn Signal Lamp
5187_YE/GY	5187 YE/GY
5186	Left Trailer Turn Signal Lamp
5186_L-BU/BN	5186 L-BU/BN
CAV_49	49
CAV_59	59
CONN_X2	X2
45	Park Lamp Relay Control
45_L-BU	45 L-BU
CAV_24	24
CONN_X2	X2
1150	Ground
1150_BK	1150 BK
CAV_71	71
CONN_X1	X1
CAV_22	22
CONN_X5	X5
CAV_8	8
CAV_17	17
CAV_26	26
CAV_52	52
CAV_48	48
CONN_X2	X2
38	Backup Lamp Relay Control
CAV_D	D
CAV_TP26	TP26
CAV_TP24	TP24
1624_GY	1624 GY
8S3	ALARM B/U ELECTRICAL, 97 DECIBELS (SEO) (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
1624_GY	1624 GY
X106	X106
CAV_39	39
CAV_5	5
F50UA	F50UA 20A
F66UA	F66UA 10A
F65UA	F65UA 10A
F64UA	F64UA 10A
X102	X102
G103	G103
J412	J412
X106	X106
KR63R	KR63R Trailer Stop/Turn Signal Lamp Relay - Right

Callout	Component Name
KR63L	KR63L Trailer Stop/Turn Signal Lamp Relay - Left
KR61	KR61 Trailer Backup Lamp Relay
KR125	KR125 Trailer Park Lamps Relay
X88	X88 Trailer Connector (Z82)
K9	K9 Body Control Module
W8	W8 Blunt Cut - Trailer Provision
W8	W8 Blunt Cut - Trailer Provision
X50A	X50A Fuse Block - Underhood
Audible_Warnings_Schematics_REF	Audible Warnings Schematics

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

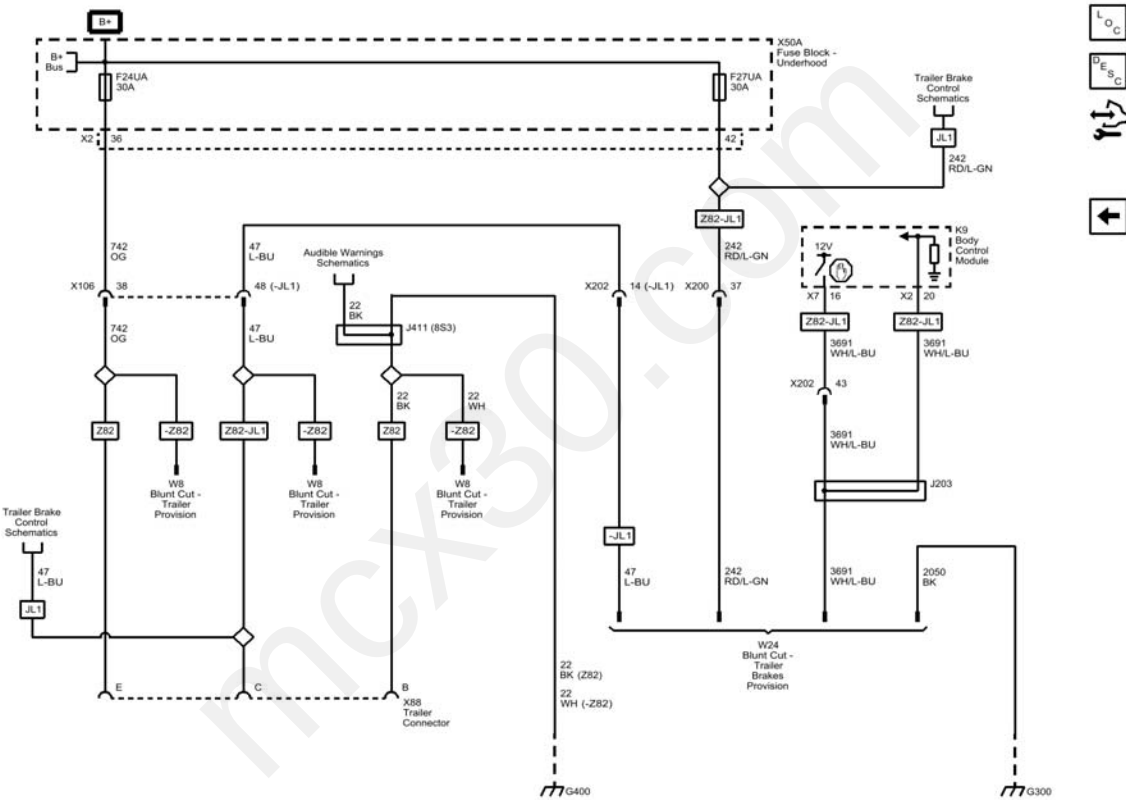


Fig. 99: Trailer Connector Pins: B, C, E, and Trailer Brakes Provisions
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
242	Battery Positive Voltage
242_RD/L-GN	242 RD/L-GN
742	Battery Positive Voltage
742_OG	742 OG
CAV_E	E
Z82	TRAILER PROVISIONS-SPECIAL EQUIPMENT, H.D. (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))

Callout	Component Name
Z82	TRAILER PROVISIONS-SPECIAL EQUIPMENT, H.D. (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
242_RD/L-GN	242 RD/L-GN
CAV_36	36
CONN_X2	X2
CAV_42	42
3691	Trailer Brake Apply Signal
3691_WH/L-BU	3691 WH/L-BU
CAV_16	16
CONN_X7	X7
2050	Ground
47	Trailer Auxiliary Supply Voltage
CAV_C	C
Z82	TRAILER PROVISIONS-SPECIAL EQUIPMENT, H.D. (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
47_L-BU	47 L-BU
47_L-BU	47 L-BU
47_L-BU	47 L-BU
2050_BK	2050 BK
22	Trailer Ground
CAV_B	B
Z82	TRAILER PROVISIONS-SPECIAL EQUIPMENT, H.D. (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
Z82	TRAILER PROVISIONS-SPECIAL EQUIPMENT, H.D. (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
22_BK	22 BK
22_WH	22 WH
3691_WH/L-BU	3691 WH/L-BU
CAV_37	37
742_OG	742 OG
3691_WH/L-BU	3691 WH/L-BU
3691_WH/L-BU	3691 WH/L-BU
CAV_20	20
CONN_X2	X2
CAV_14	14
CAV_43	43
Z82	TRAILER PROVISIONS-SPECIAL EQUIPMENT, H.D. (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
JL1	CONTROL-INTEGRATED TRAILER BRAKE (U.S.A., PR and USVI (MAH), Canada (MBC))
47_L-BU	47 L-BU
JL1	CONTROL-INTEGRATED TRAILER BRAKE (U.S.A., PR and USVI (MAH), Canada (MBC))
Z82	TRAILER PROVISIONS-SPECIAL EQUIPMENT, H.D. (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))

Callout	Component Name
JL1	CONTROL-INTEGRATED TRAILER BRAKE (U.S.A., PR and USVI (MAH), Canada (MBC))
Z82	TRAILER PROVISIONS-SPECIAL EQUIPMENT, H.D. (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
JL1	CONTROL-INTEGRATED TRAILER BRAKE (U.S.A., PR and USVI (MAH), Canada (MBC))
JL1	CONTROL-INTEGRATED TRAILER BRAKE (U.S.A., PR and USVI (MAH), Canada (MBC))
JL1	CONTROL-INTEGRATED TRAILER BRAKE (U.S.A., PR and USVI (MAH), Canada (MBC))
JL1	CONTROL-INTEGRATED TRAILER BRAKE (U.S.A., PR and USVI (MAH), Canada (MBC))
242_RD/L-GN	242 RD/L-GN
Z82	TRAILER PROVISIONS-SPECIAL EQUIPMENT, H.D. (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
JL1	CONTROL-INTEGRATED TRAILER BRAKE (U.S.A., PR and USVI (MAH), Canada (MBC))
JL1	CONTROL-INTEGRATED TRAILER BRAKE (U.S.A., PR and USVI (MAH), Canada (MBC))
22_BK	22 BK
8S3	ALARM B/U ELECTRICAL, 97 DECIBELS (SEO) (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
22_WH	22 WH
22_BK	22 BK
Z82	TRAILER PROVISIONS-SPECIAL EQUIPMENT, H.D. (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
Z82	TRAILER PROVISIONS-SPECIAL EQUIPMENT, H.D. (Mexico (MCX), U.S.A., PR and USVI (MAH), Canada (MBC))
X106	X106
CAV_48	48
CAV_38	38
F24UA	F24UA 30A
F27UA	F27UA 30A
12V	12V
G400	G400
G300	G300
X200	X200
J203	J203
X202	X202
X202	X202
J411	J411
X106	X106
W8	W8 Blunt Cut - Trailer Provision
X50A	X50A Fuse Block - Underhood
W8	W8 Blunt Cut - Trailer Provision
W8	W8 Blunt Cut - Trailer Provision
X88	X88 Trailer Connector (Z82)

Callout	Component Name
K9	K9 Body Control Module
Trailer_Brake_Control_Schematics_REF	Trailer Brake Control Schematics
Trailer_Brake_Control_Schematics_REF	Trailer Brake Control Schematics
W24	W24 Blunt Cut - Trailer Brakes Provision (Z82)
Audible_Warnings_Schematics_REF	Audible Warnings Schematics
