

2017 ELECTRICAL

Wiring Systems and Power Management - Schematic Wiring Diagrams - Electrical Schematic Symbols

SCHEMATIC WIRING DIAGRAMS

ELECTRICAL SCHEMATIC SYMBOLS

Voltage Indicators

Symbol	Description
	Battery Voltage
	Ignition Switch- Off Position
	Ignition Switch- Accessory Position
	Ignition Switch- Run Position

Symbol	Description
	Ignition Switch- Start Position

General Icons

Symbol	Description
	Master Component List Icon This icon is used on the schematic to link to the Master Electrical Component List.
	Description and Operation Icon This icon is used on the schematic to link to the Description and Operation of that particular system.
	Computer Programming Icon This icon is used on the schematic to link to Control Module References, which identifies which components need programming upon replacement.
	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.
	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.
	Information Icon This icon is used to alert the technician that there is additional information that will aid in servicing a system.
	Danger Icon This icon is intended to alert the technician that a component within the system contains labeling with the same icon. This icon is used when a source component has potential for 60 volts DC or greater or has potential for 42 volts AC or greater.
	High Voltage Icon This icon is intended to alert the technician that a component within the system contains labeling with the same icon. This icon is used when a component/circuit has potential for 60 volts DC or greater or has potential for 42 volts AC or greater.

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

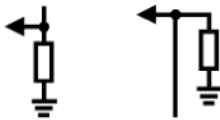
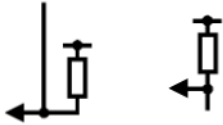
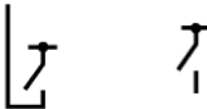
Switch Position Icons

Symbol	Description
	Generic Up Arrows
	Generic Down Arrows
	Generic Left Arrows

Symbol	Description
	Generic Right Arrows
	Generic Express Down Arrows
	On/Off Icon
	Generic Lock Icon
	Generic Unlock Icon

Symbol	Description
	Generic Window Switch Positions - 4 Door
	Generic Window Switch Positions - 2 Door

Module Circuit Function Icons

Symbol	Description
	I/O Pull-Down Resistors (-)
	I/O Pull-Up Resistors (+)
	I/O High-Side Drive Switch (+)

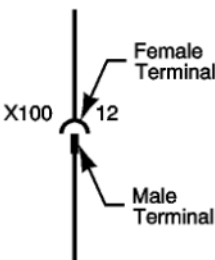
Symbol	Description
	I/O Low-Side Drive Switch (+)
	I/O Bidirectional Switch (+/-)
	Pulse-Width Modulation Symbol
	Battery Voltage
	Ignition Voltage

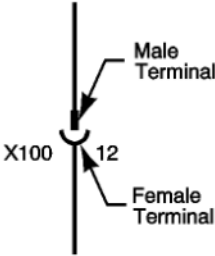
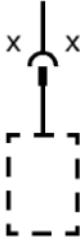
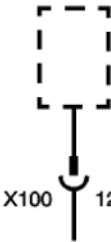
Symbol	Description
5V	Voltage Reference
5V AC	A/C Voltage
 	Low Reference
 	Ground
↕	Serial Data

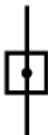
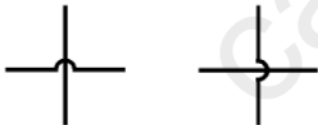
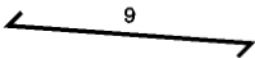
Symbol	Description
	Antenna Signal- In
	Antenna Signal- Out
	Brake Apply

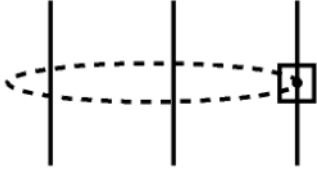
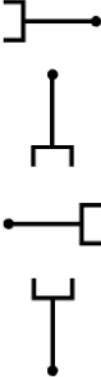
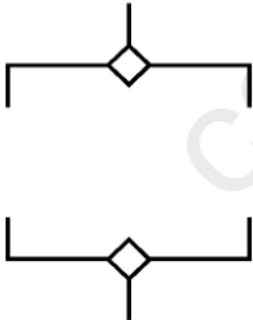
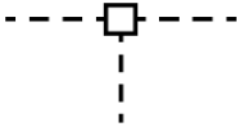
Harness Components

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

Symbol	Description
	Circuit Breaker
	Fusible Link
	Ground
	Case Ground
	Inline Harness Connector

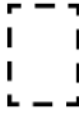
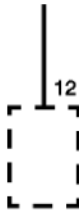
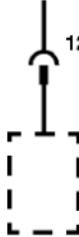
Symbol	Description
	Inline Harness Connector
	Pigtail Connection
	Pigtail Connection
	Provisional or Diagnostic Connector
	Blunt Cut Wire

Symbol	Description
	Incomplete Physical Splice
	Complete Physical Splice- 2 Wires
	Complete Physical Splice- 3 or more wires
	Wire Crosses
	Twisted Wires

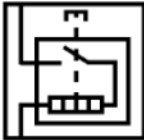
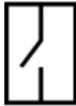
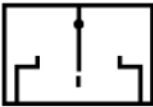
Symbol	Description
	Shield
	Circuit References
	Circuit Continuation Arrowheads
	Option Breakpoint
	Ground Circuit Connection

Symbol	Description
	Connector Shorting Clip

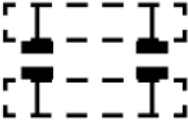
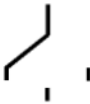
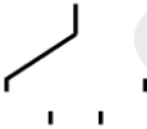
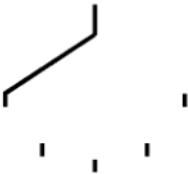
Component Parts

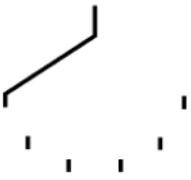
Symbol	Description
	Partial Component When a component is represented in a dashed box, the component or its wiring is not shown in its entirety.
	Entire Component When a component is represented in a solid box the component or its wiring is shown in its entirety.
	Connector Directly Attached to Component
	Pigtail Connector

Switches and Relays

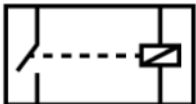
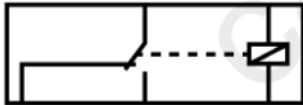
Symbol	Description
	Accessory Power Outlet
	Cigar Lighter
	Switch- 2 Position Normally Open
	Switch- 2 Position Normally Closed
	Switch- Rocker

--

Symbol	Description
	Switch- Contact Plate (1 Wire)
	Switch- Contact Plate (2 Wire)
	Switch- 3 Position
	Switch- 4 Position
	Switch- 5 Position

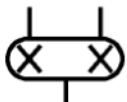
Symbol	Description
	Switch- 6 Position
	Switch Actuator- Push (Momentary)
	Switch Actuator- Push (Latching)
	Switch Actuator- Pull (Momentary)
	Switch Actuator- Pull (Latching)

Symbol	Description
	Switch Actuator- Rotate (Momentary)
	Switch Actuator- Rotate (Latching)
	Switch Actuator- Slide (Momentary)
	Switch Actuator- Slide (Latching)
	Switch Actuator- Pressure (Momentary)

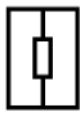
Symbol	Description
	Switch Actuator- Temperature (Momentary)
	Switch Actuator- Volume (Latching)
	4-Pin Single Pole/Throw Relay- Normally Open
	5-Pin Relay- Normally Closed

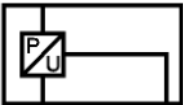
Devices and Sensors

Symbol	Description
	Battery

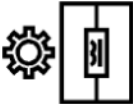
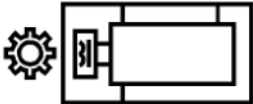
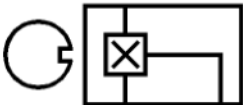
Symbol	Description
	Battery Assembly- Hybrid
	Single Filament Light Bulb
	Double Filament Light Bulb
	Light Emitting Diode (LED)
	Photo Sensor

--

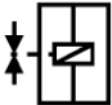
Symbol	Description
	Gauge
	Diode
	Capacitor
	Resistor
	Variable Resistor

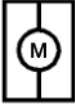
Symbol	Description
	Variable Resistor- NTC
	Breakable Wire
	Heating Element
	Position Sensor
	Pressure Sensor

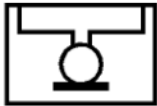
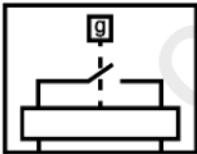
--

Symbol	Description
	Knock Sensor
	Inductive Type Sensor- 2-Wire
	Inductive Type Sensor- 3-Wire
	Hall Effect Sensor- 2-Wire
	Hall Effect Sensor- 3-Wire

--

Symbol	Description
	Oxygen Sensor- 2-Wire
	Heated Oxygen Sensor- 4-Wire
	Solenoid- Actuator
	Solenoid- Valve
	Clutch

Symbol	Description
	Motor
	Motor with PTC
	Antenna
	Speaker
	Horn

Symbol	Description
	Microphone
	Airbag
	SIR Coil
	SIR Impact Sensor

2017 ELECTRICAL

Wiring Systems and Power Management - Schematic Wiring Diagrams - Ground Distribution Wiring Schematics - CT6

SCHEMATIC WIRING DIAGRAMS

GROUND DISTRIBUTION WIRING SCHEMATICS

G100, G101 and G103

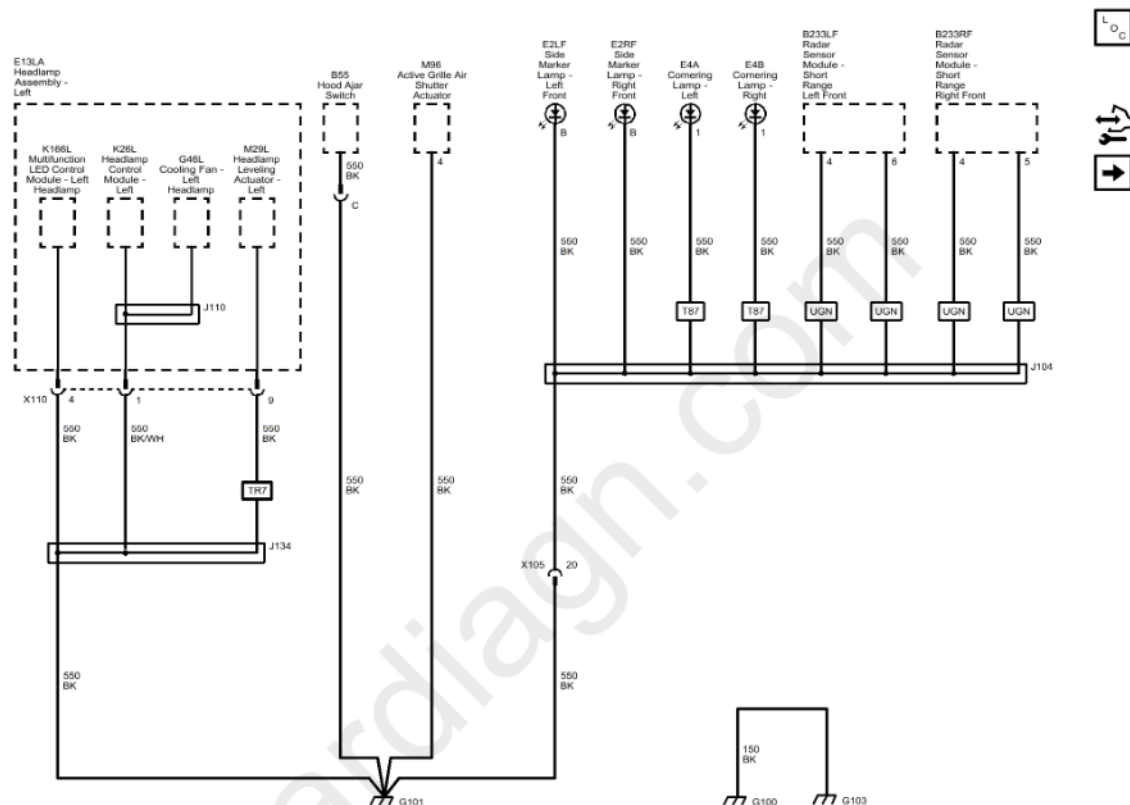


Fig. 1: G100, G101 and G103

Courtesy of GENERAL MOTORS COMPANY

G102 and G107

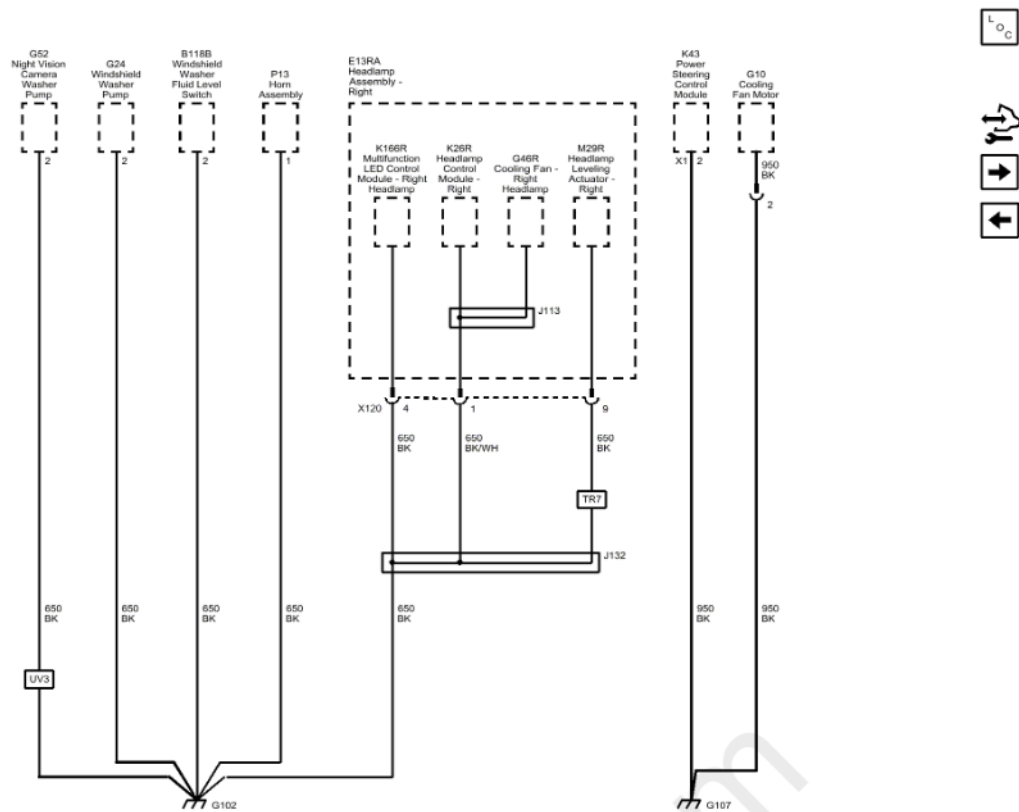


Fig. 2: G102 and G107
 Courtesy of GENERAL MOTORS COMPANY

G104 and G111 (LGW and LGX)

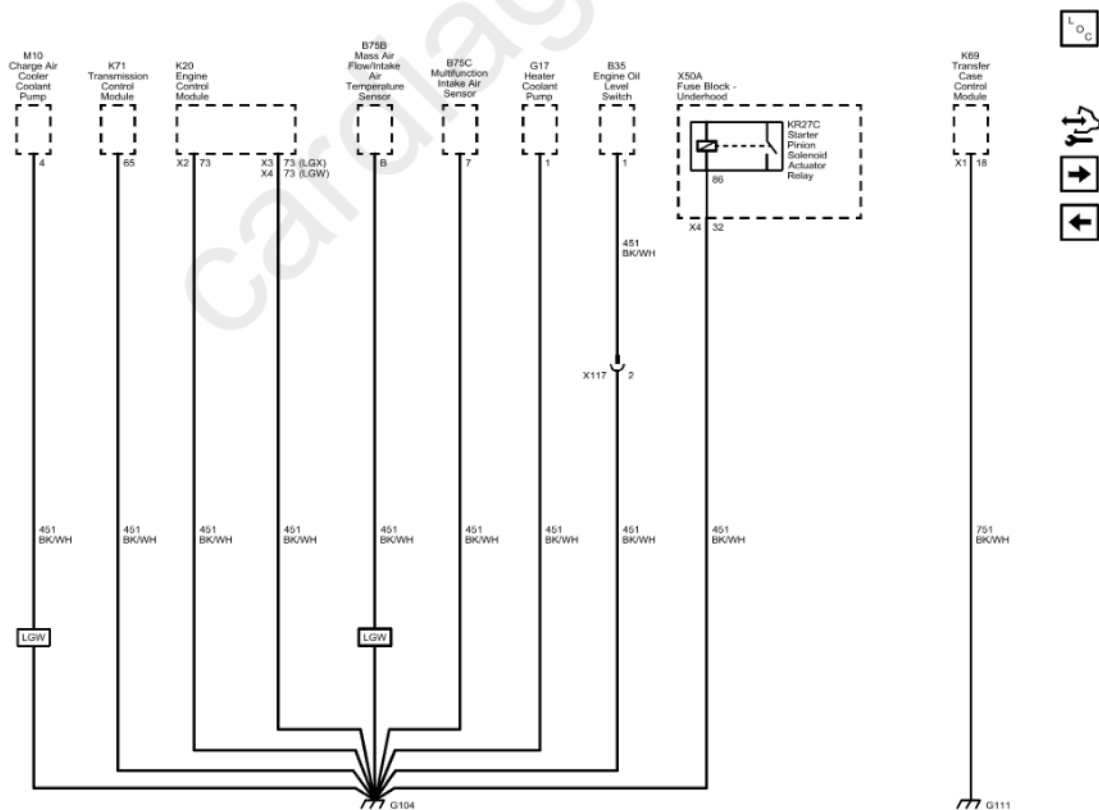


Fig. 3: G104 and G111 (LGW and LGX)
 Courtesy of GENERAL MOTORS COMPANY

G105, G108 and G205

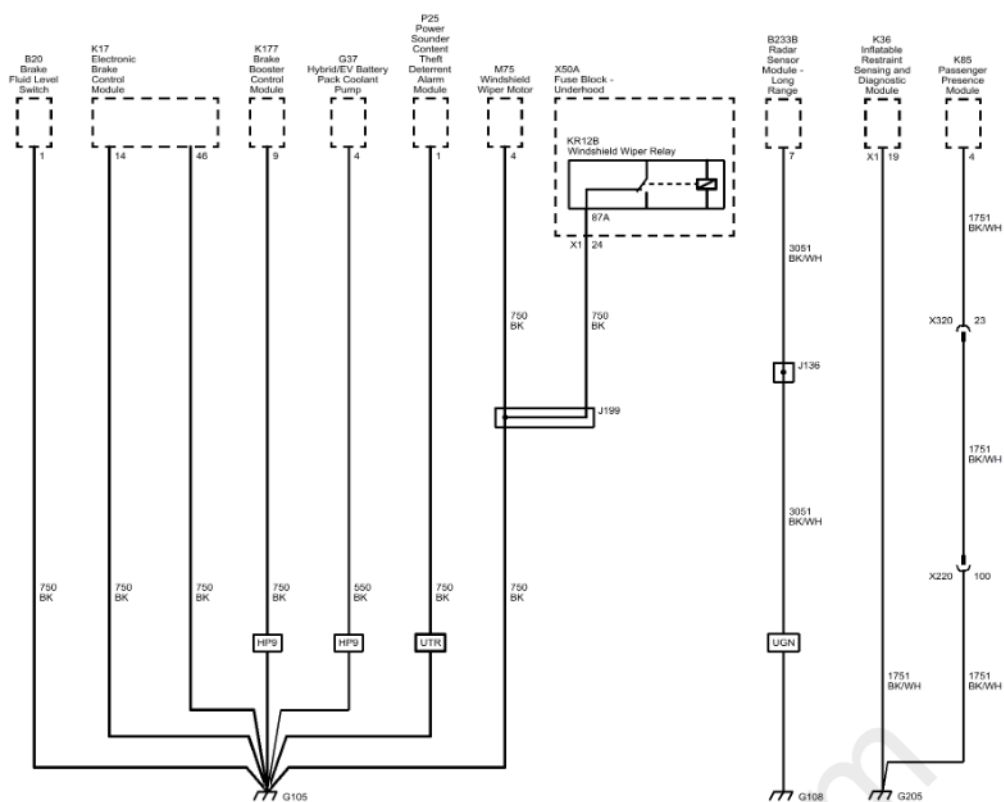


Fig. 4: G105, G108 and G205

Courtesy of GENERAL MOTORS COMPANY

G106 and G109 (LGW and LGX)

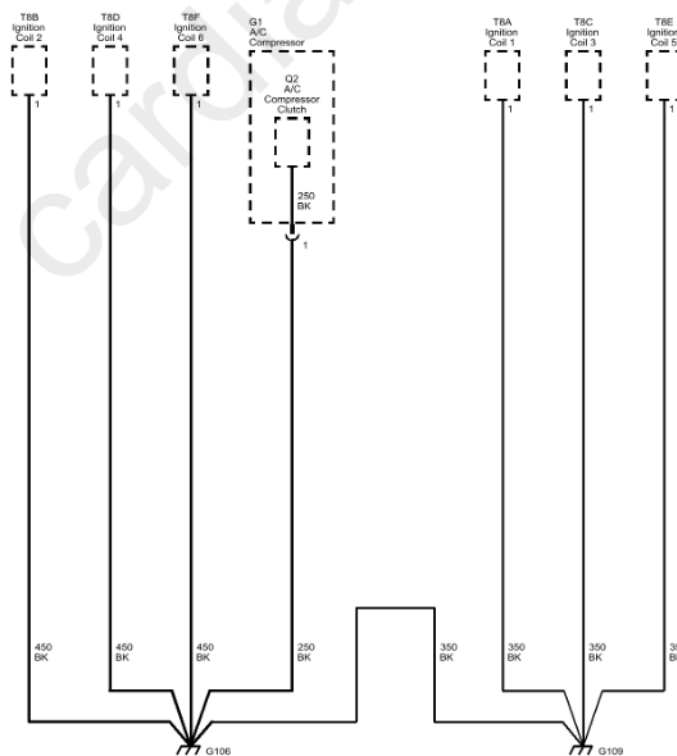


Fig. 5: G106 and G109 (LGW and LGX)

Courtesy of GENERAL MOTORS COMPANY

G106 and G110 (LTG)

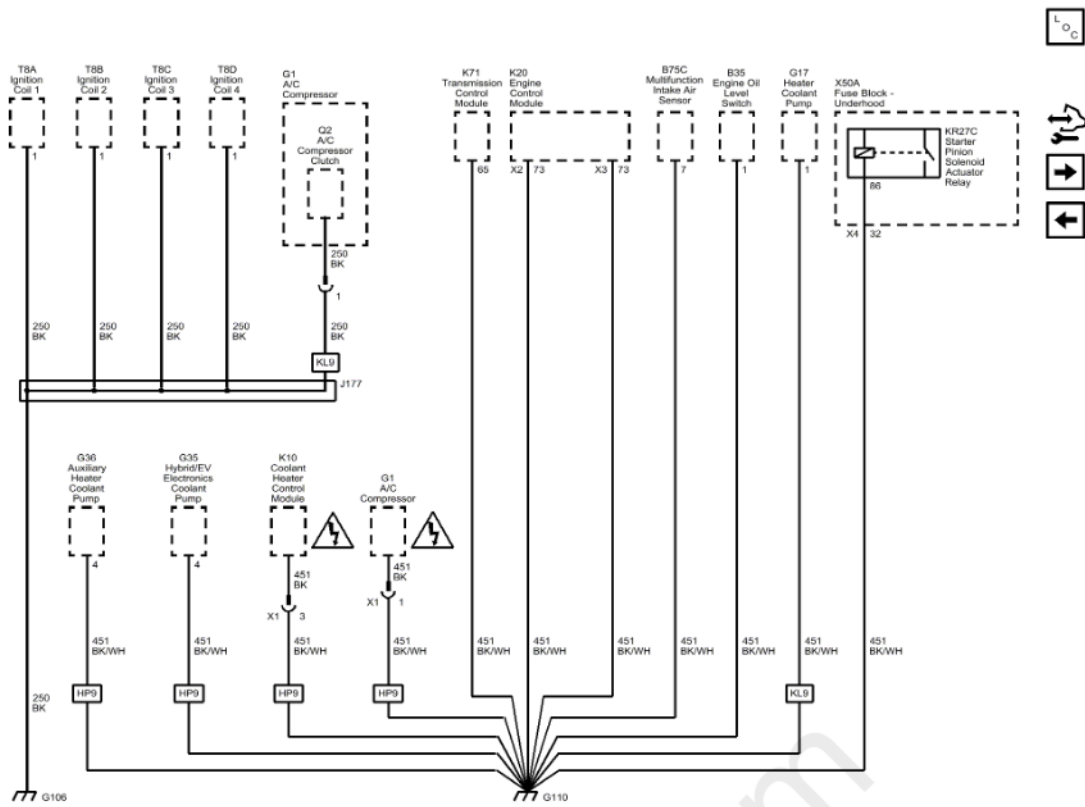


Fig. 6: G106 and G110 (LTG)

Courtesy of GENERAL MOTORS COMPANY

G201 (1 of 3)

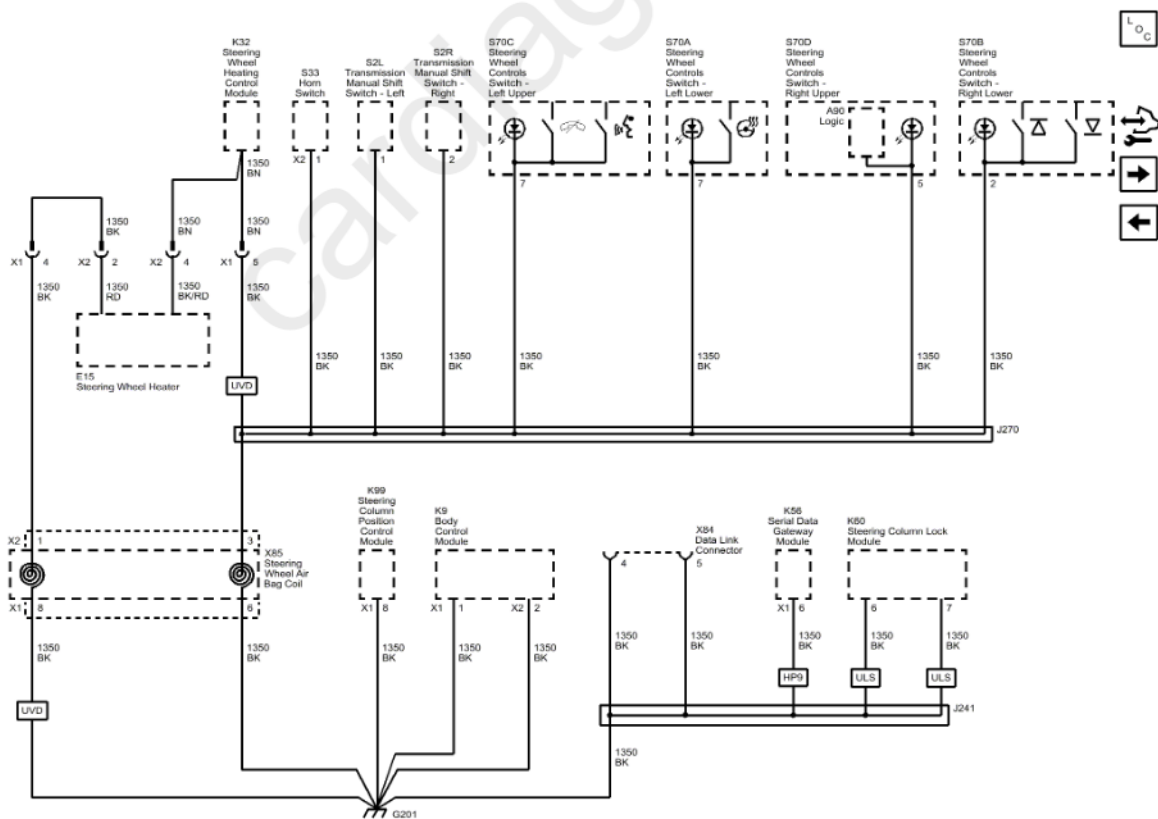


Fig. 7: G201 (1 of 3)

Courtesy of GENERAL MOTORS COMPANY

G201 (2 of 3)

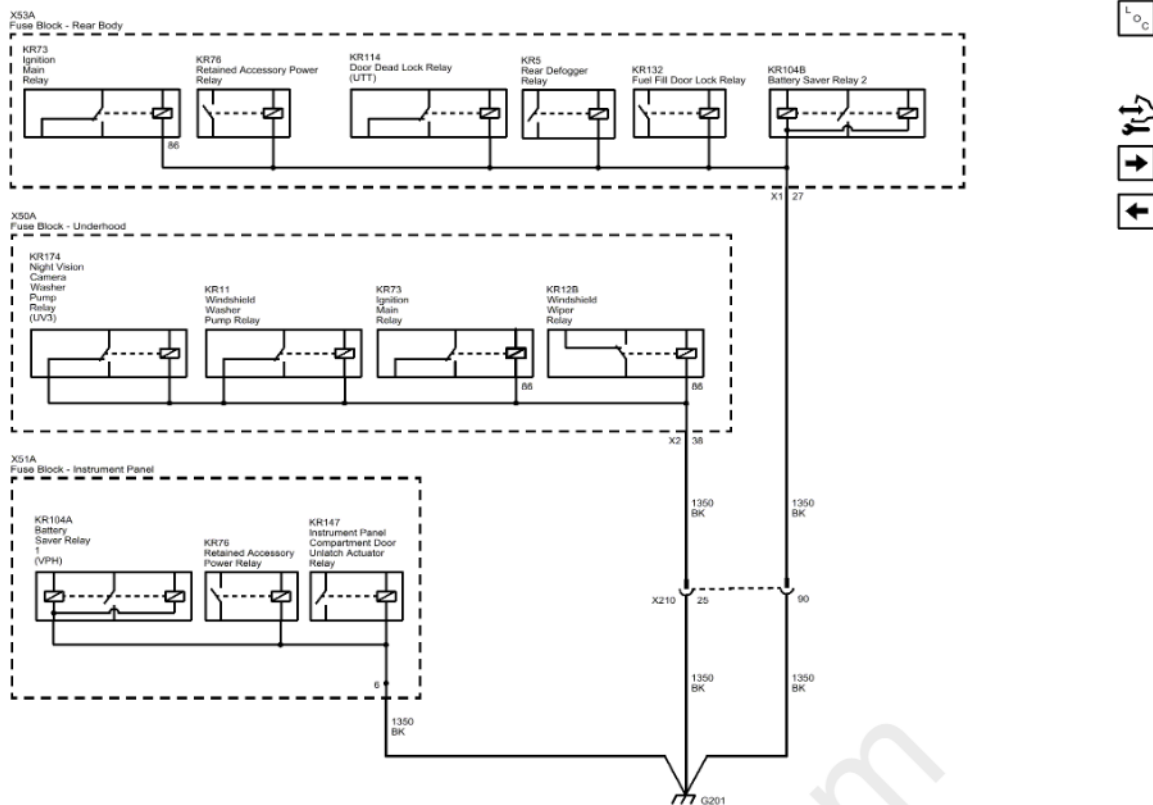


Fig. 8: G201 (2 of 3)

Courtesy of GENERAL MOTORS COMPANY

G201 (3 of 3)

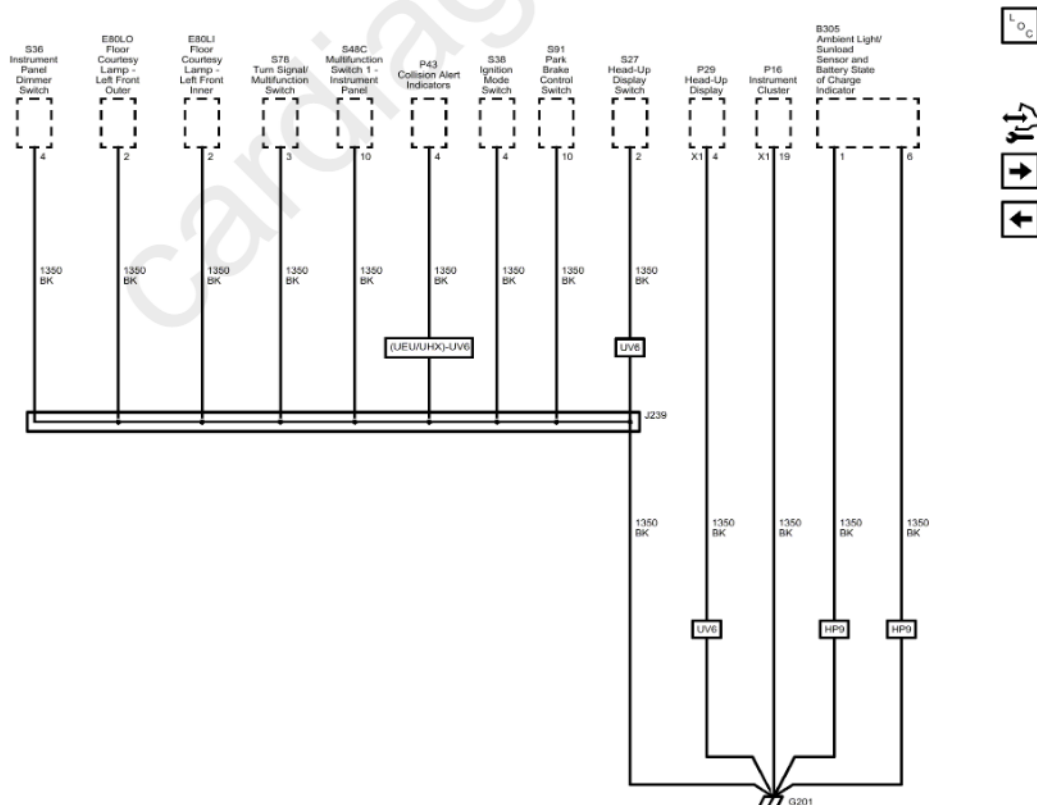


Fig. 9: G201 (3 of 3)

Courtesy of GENERAL MOTORS COMPANY

G202 (1 of 2)

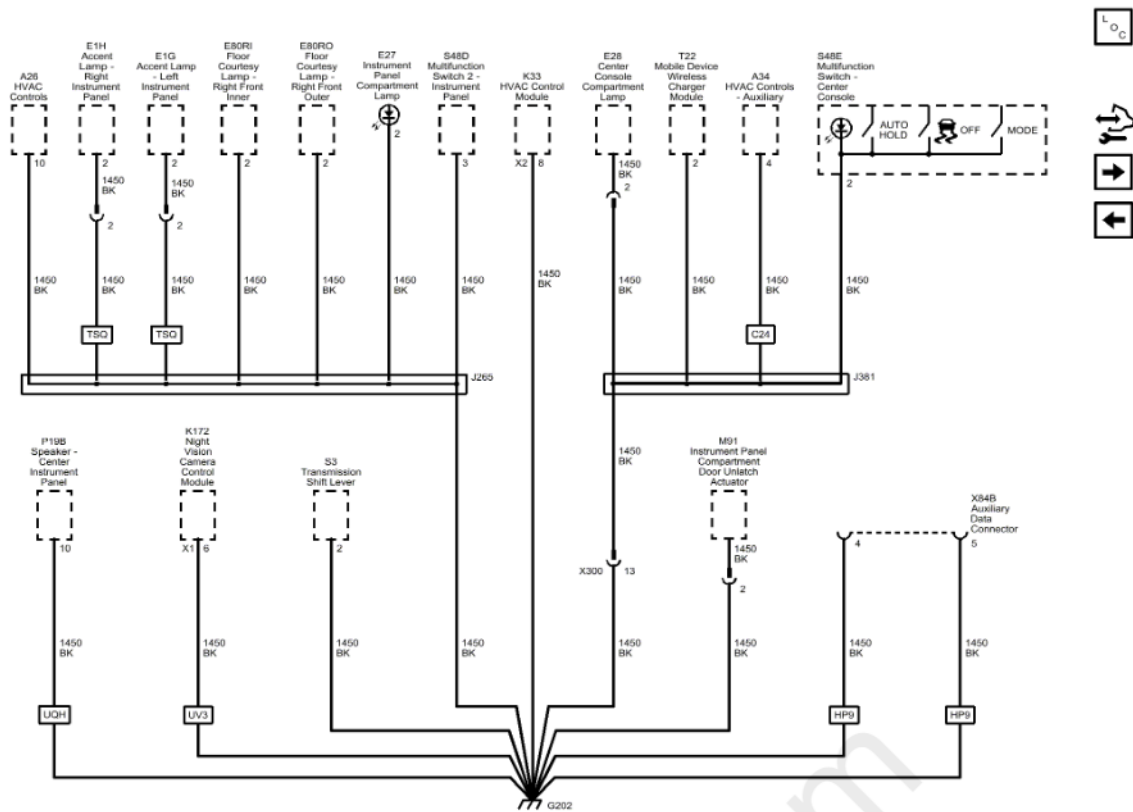


Fig. 10: G202 (1 of 2)

Courtesy of GENERAL MOTORS COMPANY

G202 (2 of 2)

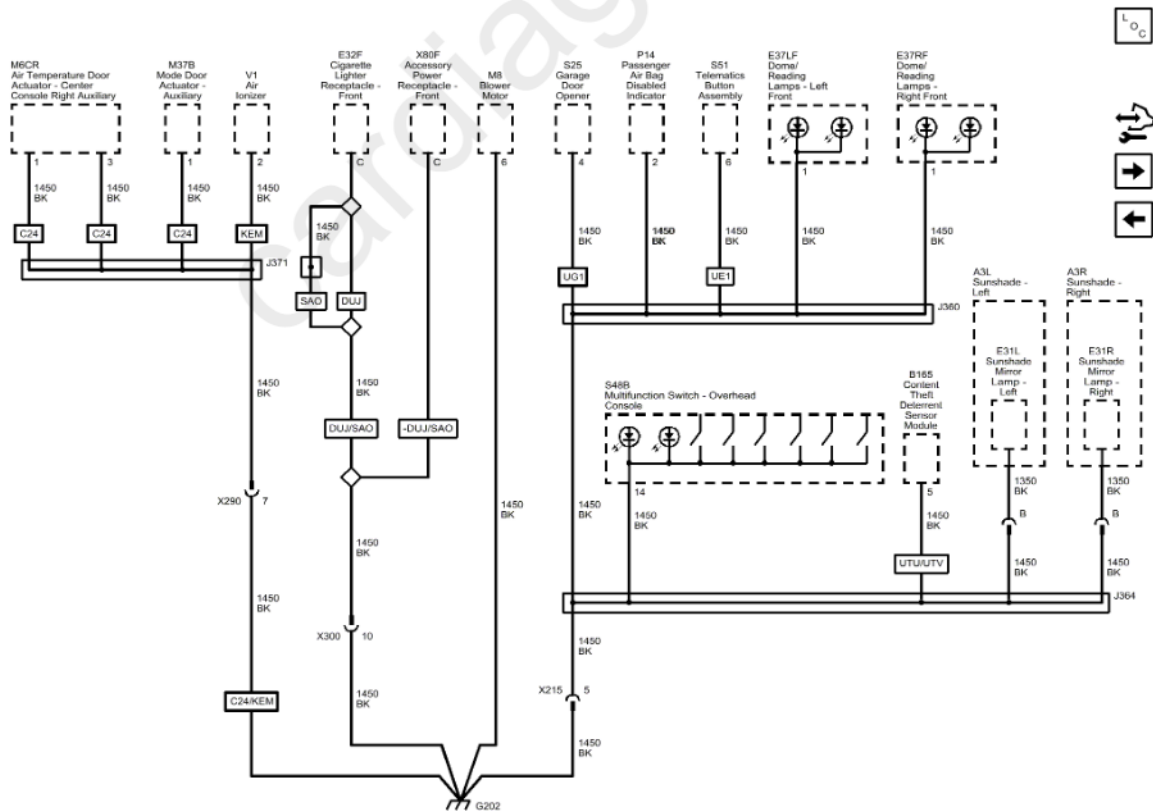


Fig. 11: G202 (2 of 2)

Courtesy of GENERAL MOTORS COMPANY

G207

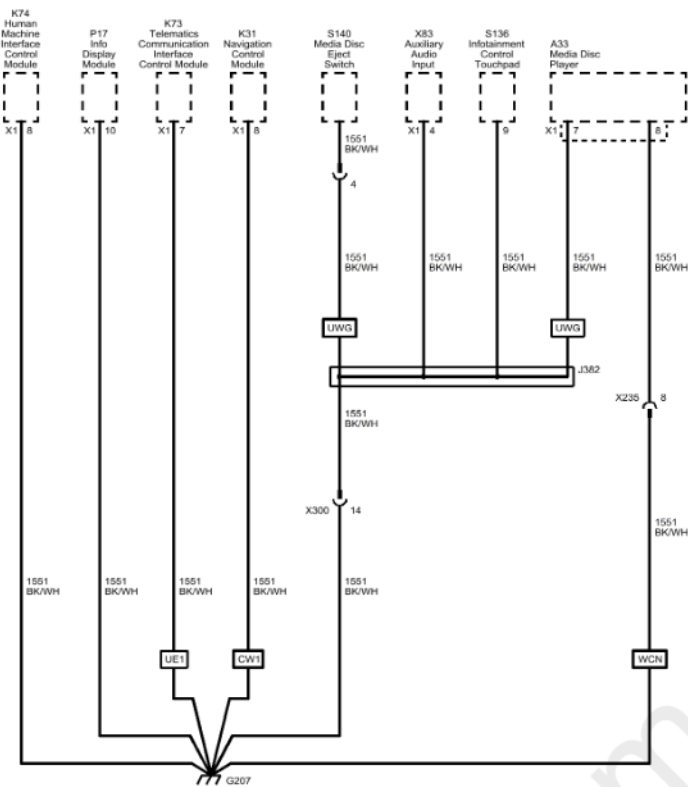


Fig. 12: G207

Courtesy of GENERAL MOTORS COMPANY

G301 (1 of 2)

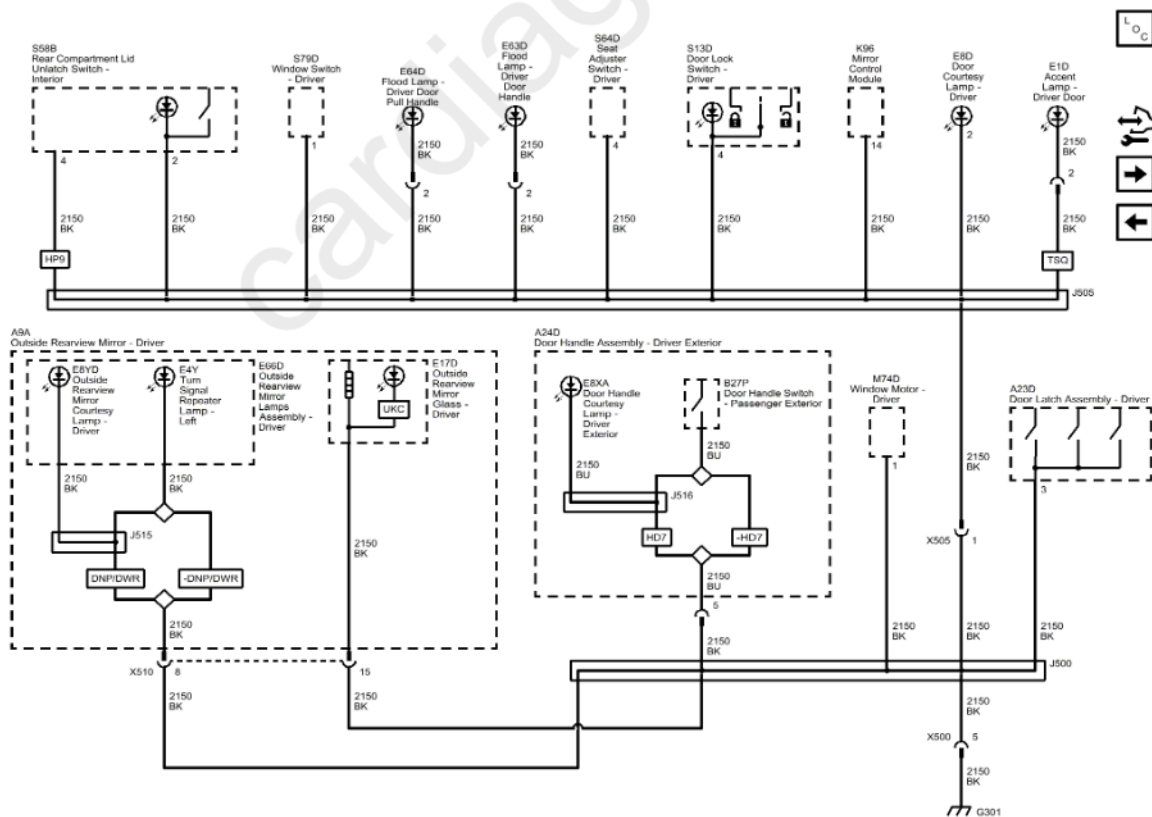


Fig. 13: G301 (1 of 2)

Courtesy of GENERAL MOTORS COMPANY

G301 (2 of 2)

Fig. 14: G301 (2 of 2).

Courtesy of GENERAL MOTORS COMPANY

G302 (1 of 2)

Fig. 15: G302 (1 of 2)

Courtesy of GENERAL MOTORS COMPANY

G302 (2 of 2)

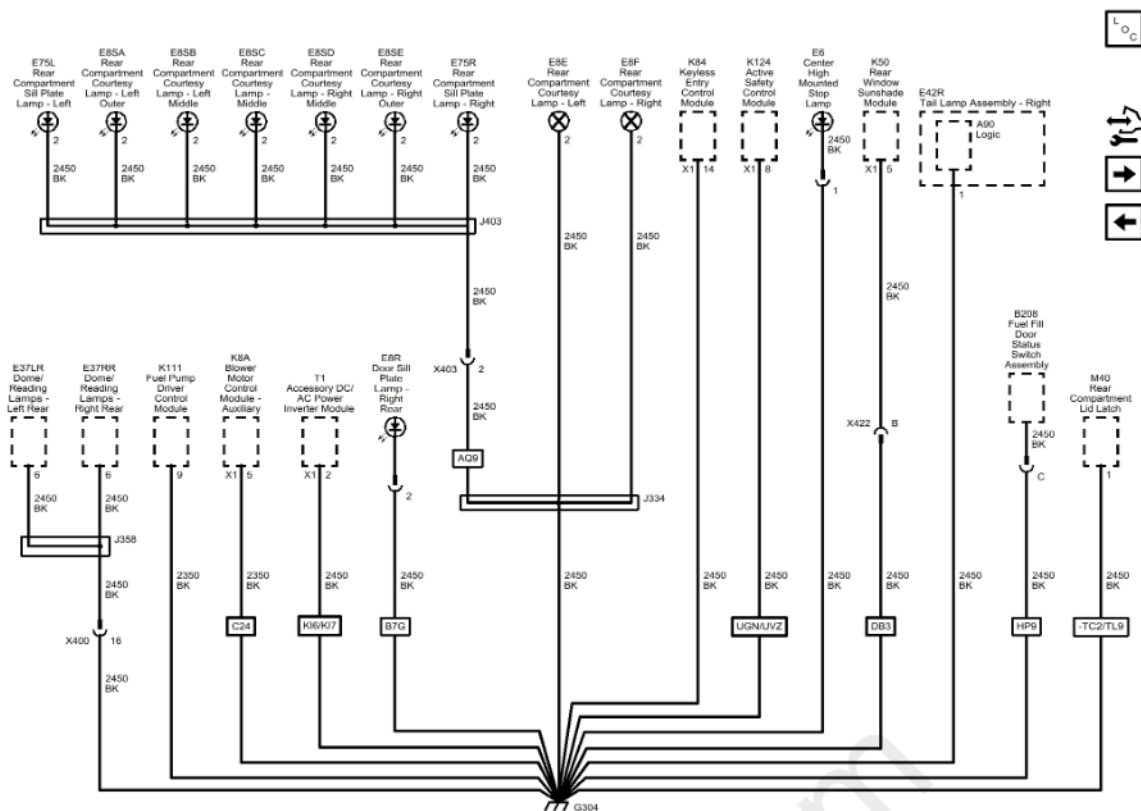


Fig. 20: G304 (2 of 2)
Courtesy of GENERAL MOTORS COMPANY

G305

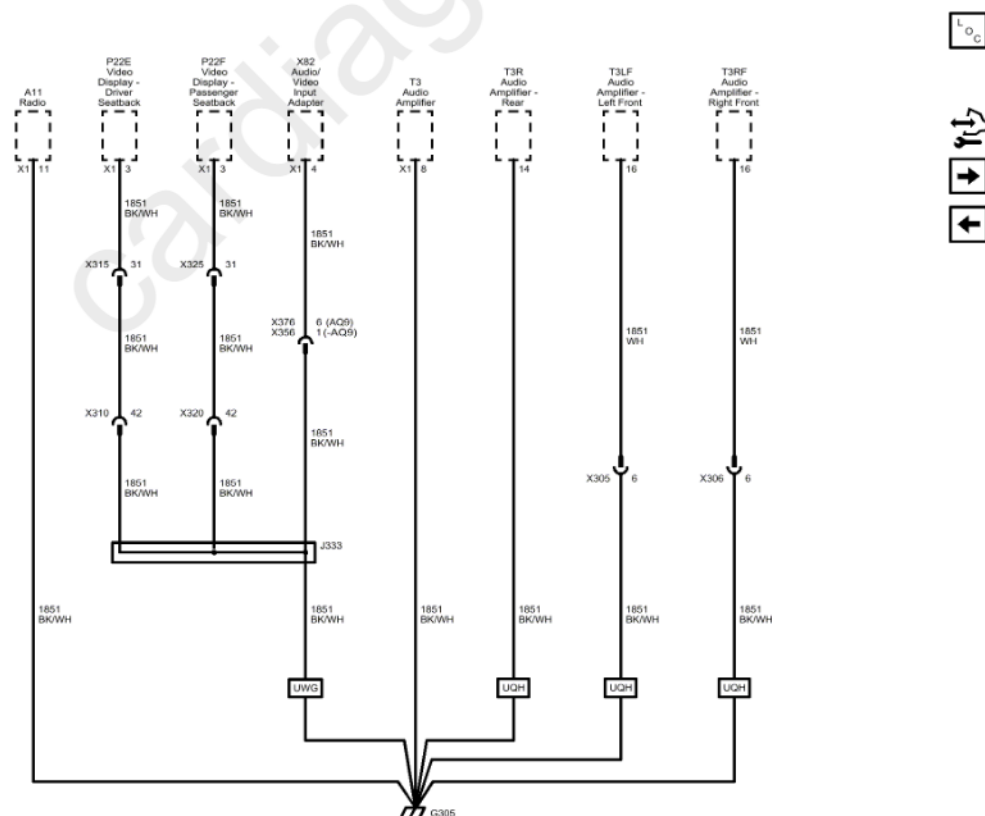


Fig. 21: G305
Courtesy of GENERAL MOTORS COMPANY

G400, G401, G402 (1 of 2), G403 and G404

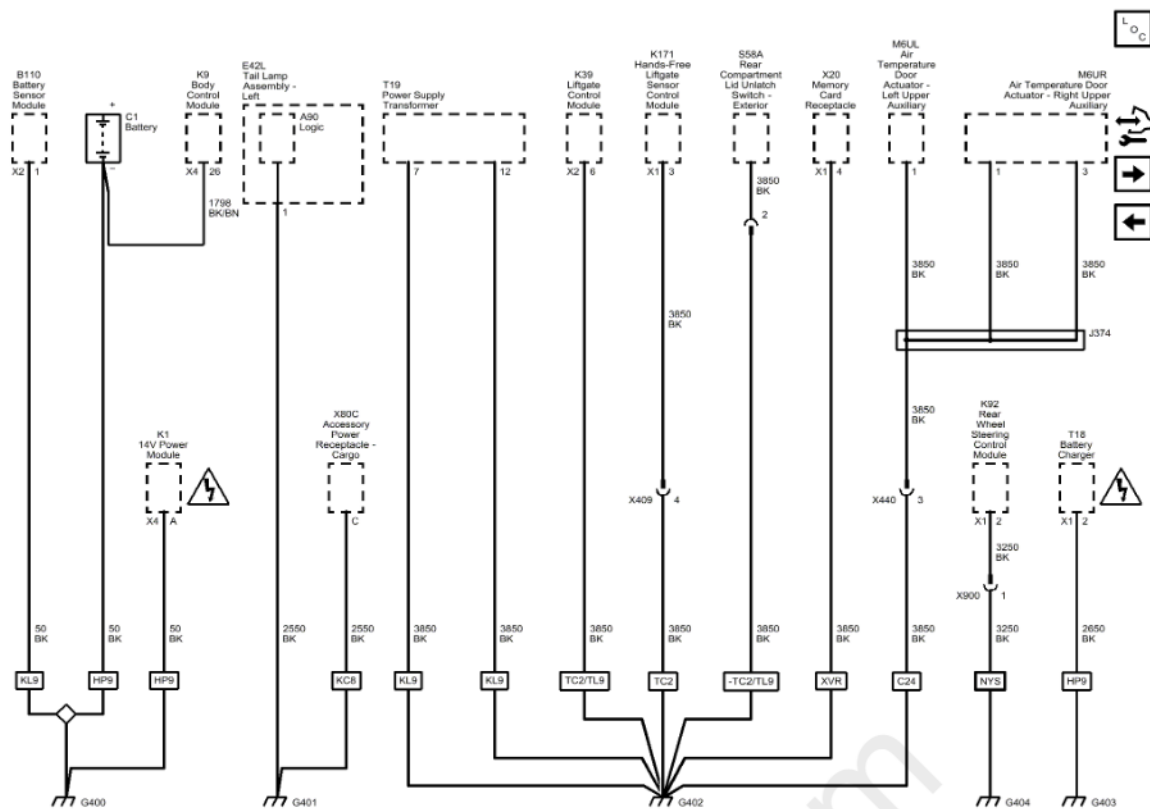


Fig. 22: G400, G401, G402 (1 of 2), G403 and G404
Courtesy of GENERAL MOTORS COMPANY

G402 (2 of 2)

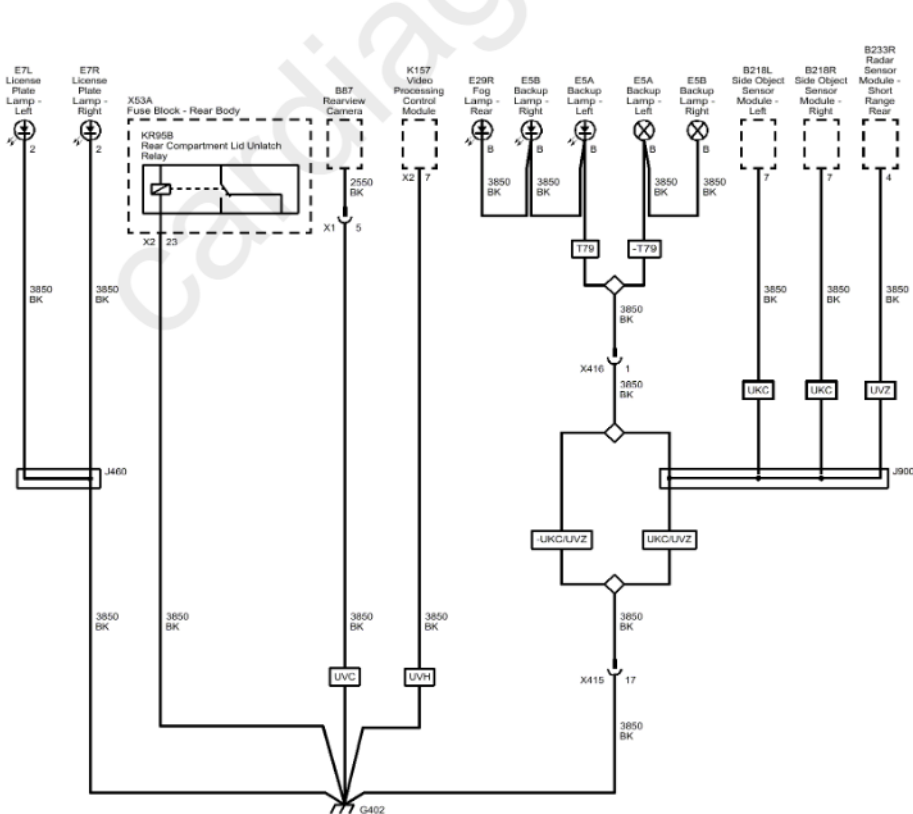


Fig. 23: G402 (2 of 2)
Courtesy of GENERAL MOTORS COMPANY

cardiagn.com

Wiring Systems and Power Management - Schematic Wiring Diagrams - Harness
Routing Views - CT6

SCHEMATIC WIRING DIAGRAMS

HARNESS ROUTING VIEWS

Front Fascia Harness Routing

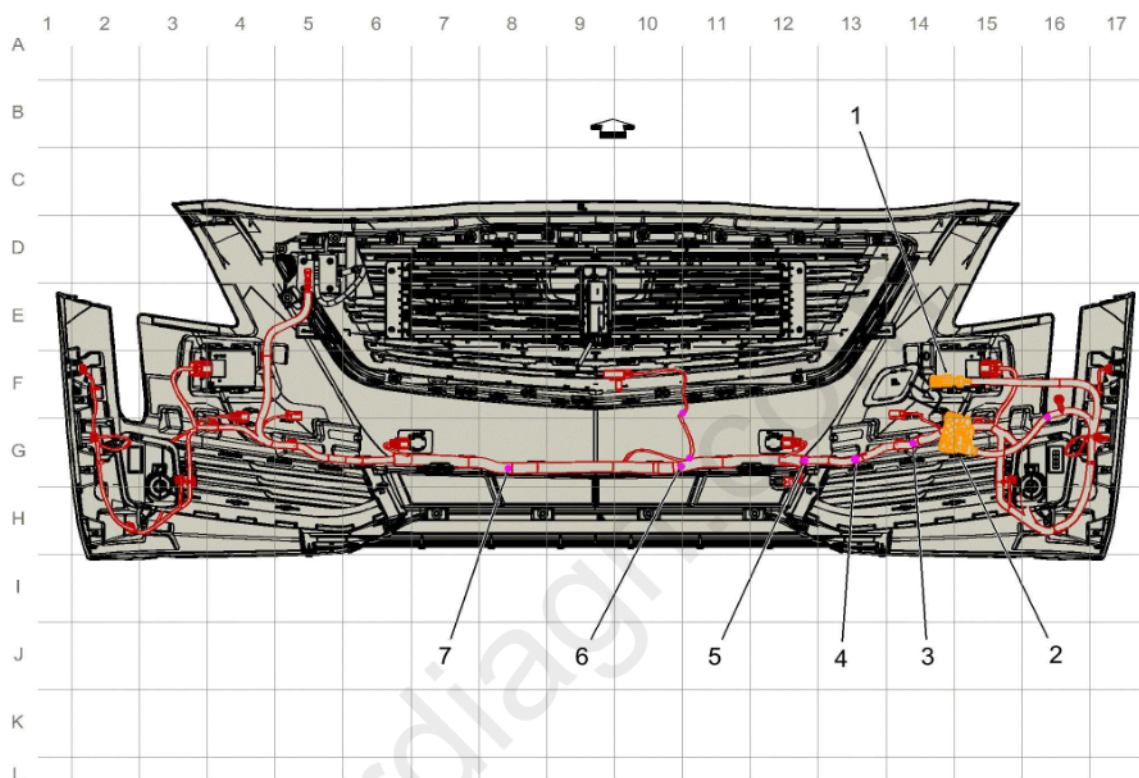


Fig. 1: Front Fascia Harness Routing

Courtesy of GENERAL MOTORS COMPANY

Items

X103 (UV3) **X103 Front Fascia Harness To Front Fascia Harness (UV3)**

X105 **X105 Front Fascia Harness to Forward Lamp Harness**

J100

J102

J104

J106

J108

Forward Lamp Harness Routing

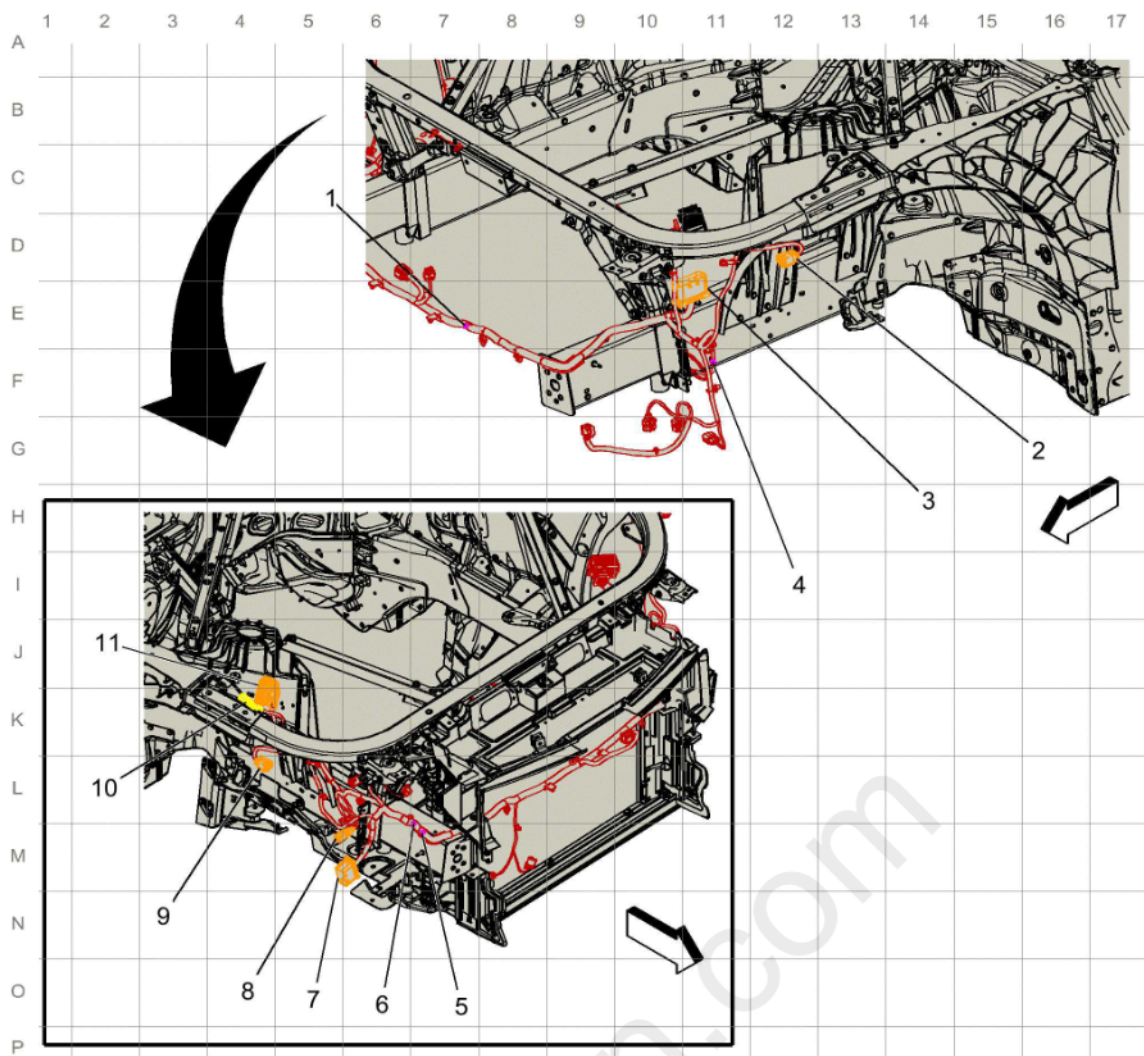


Fig. 2: Forward Lamp Harness Routing

Courtesy of GENERAL MOTORS COMPANY

Items
J134
X110 <u>X110 Forward Lamp Harness to Left Headlamp Harness</u>
X125 <u>X125 Body Harness to Forward Lamp Harness (HP9)</u> <u>X125 Body Harness to Forward Lamp Harness (KL9)</u>
J136
X103 (UV3) <u>X103 Front Fascia Harness To Front Fascia Harness (UV3)</u>
X105 <u>X105 Front Fascia Harness to Forward Lamp Harness</u>
X120 <u>X120 Forward Lamp Harness to Right Headlamp Harness</u>
J130
J132
X154 (UV3) <u>X154 Body Harness To Forward Lamp LVDS Harness (UV3)</u>

Engine Harness Routing - Left Front (LGW)

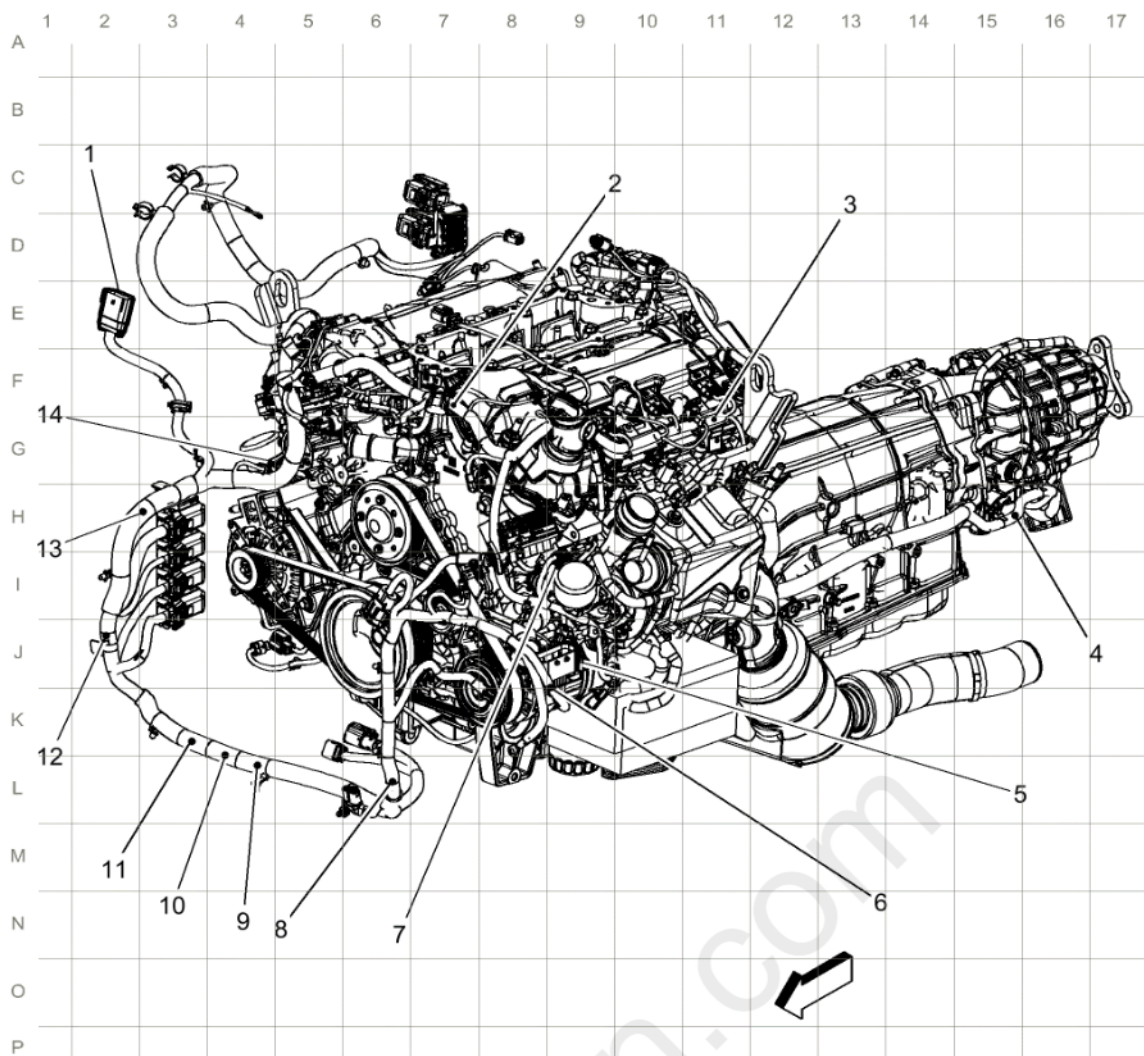


Fig. 3: Engine Harness Routing - Left Front (LGW)

Courtesy of GENERAL MOTORS COMPANY

Items
X128
J174
J175
J186
X150 <u>X150 Body Harness to Engine Harness (HP9)</u>
J150
X122 (LGW) <u>X122 Engine Harness to Bank 2 Knock Sensor Jumper Harness (LGW)</u>
J152 (LGW)
J154 (LGW)
J156
J158
J170
J172
X121 (LGW) <u>X121 Engine Harness to Bank 1 Engine Jumper Harness (LGW)</u>

Engine Harness Routing - Right Rear (LGW)

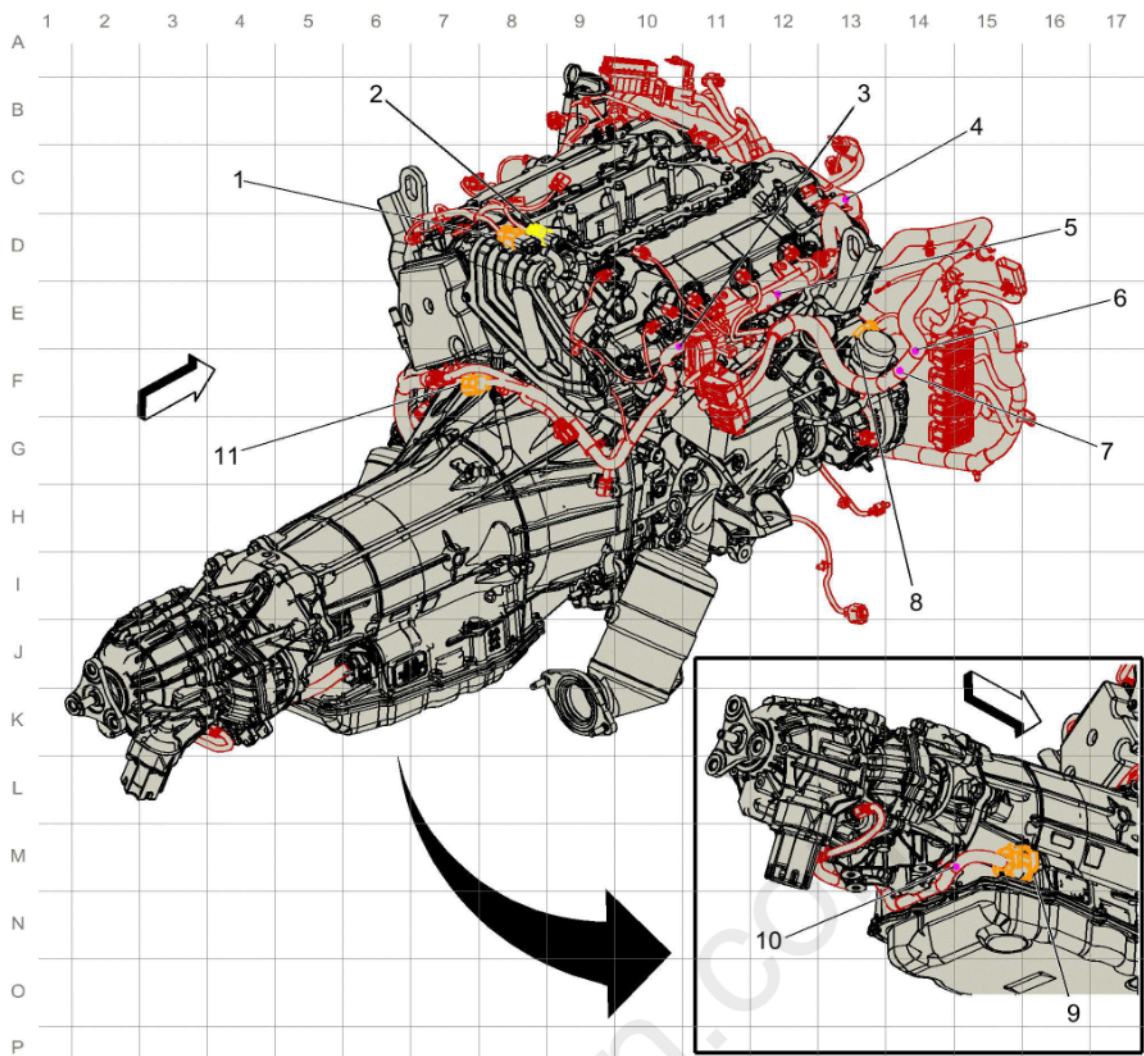


Fig. 4: Engine Harness Routing - Right Rear (LGW)

Courtesy of GENERAL MOTORS COMPANY

Items

- X161 (LGW/LGX) **X161 Engine Harness to Fuel Rail - Even Harness (LGW/LGX)**
- X160 **X160 Engine Harness to Fuel Rail - Odd Harness (LGW/LGX)** **X160 Engine Harness to Fuel Rail Harness (LTG)**
- J182
- J176
- J180
- J184
- J178
- X175 **X175 Engine Harness to Transmission Case Harness (HP9)** **X175 Engine Harness to Transmission Case Harness (KL9)**
- X121 (LGW) **X121 Engine Harness to Bank 1 Engine Jumper Harness (LGW)**
- J188
- X116 (LGW) **X116 Starter Motor Jumper Harness to Engine Harness**

Engine Harness Routing - Right Front (LGW)

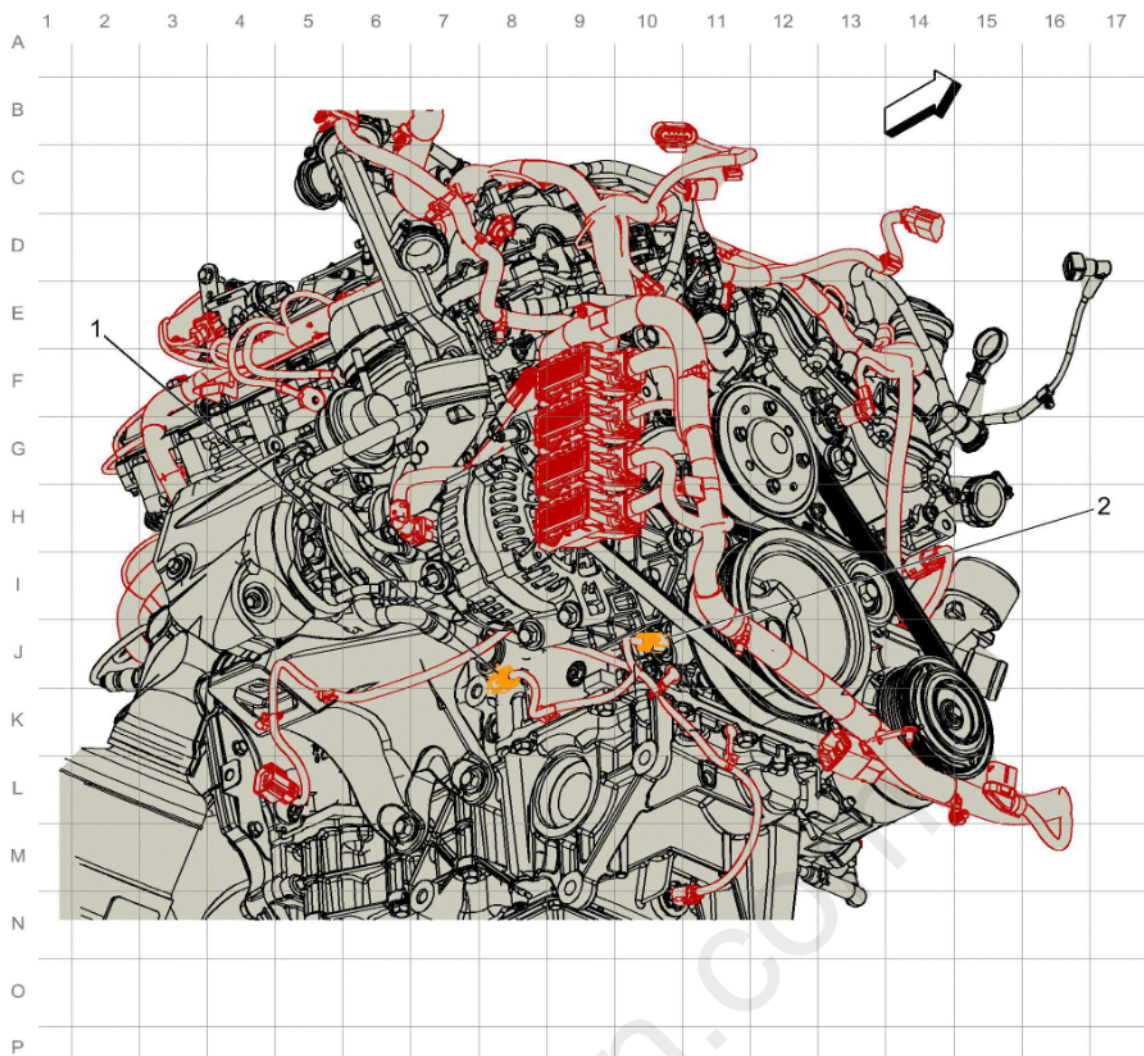


Fig. 5: Engine Harness Routing - Right Front (LGW)

Courtesy of GENERAL MOTORS COMPANY

Items

X118 (LGW/LGX) **X118 Engine Harness to Engine Oil Pressure Control Solenoid Value Jumper Harness (LGW/LGX)**

X117 (LGW/LGX) **X117 Engine Harness to Engine Oil Level Switch Jumper Harness (LGW/LGX)**

Engine Harness Routing - Left Front (LGX)

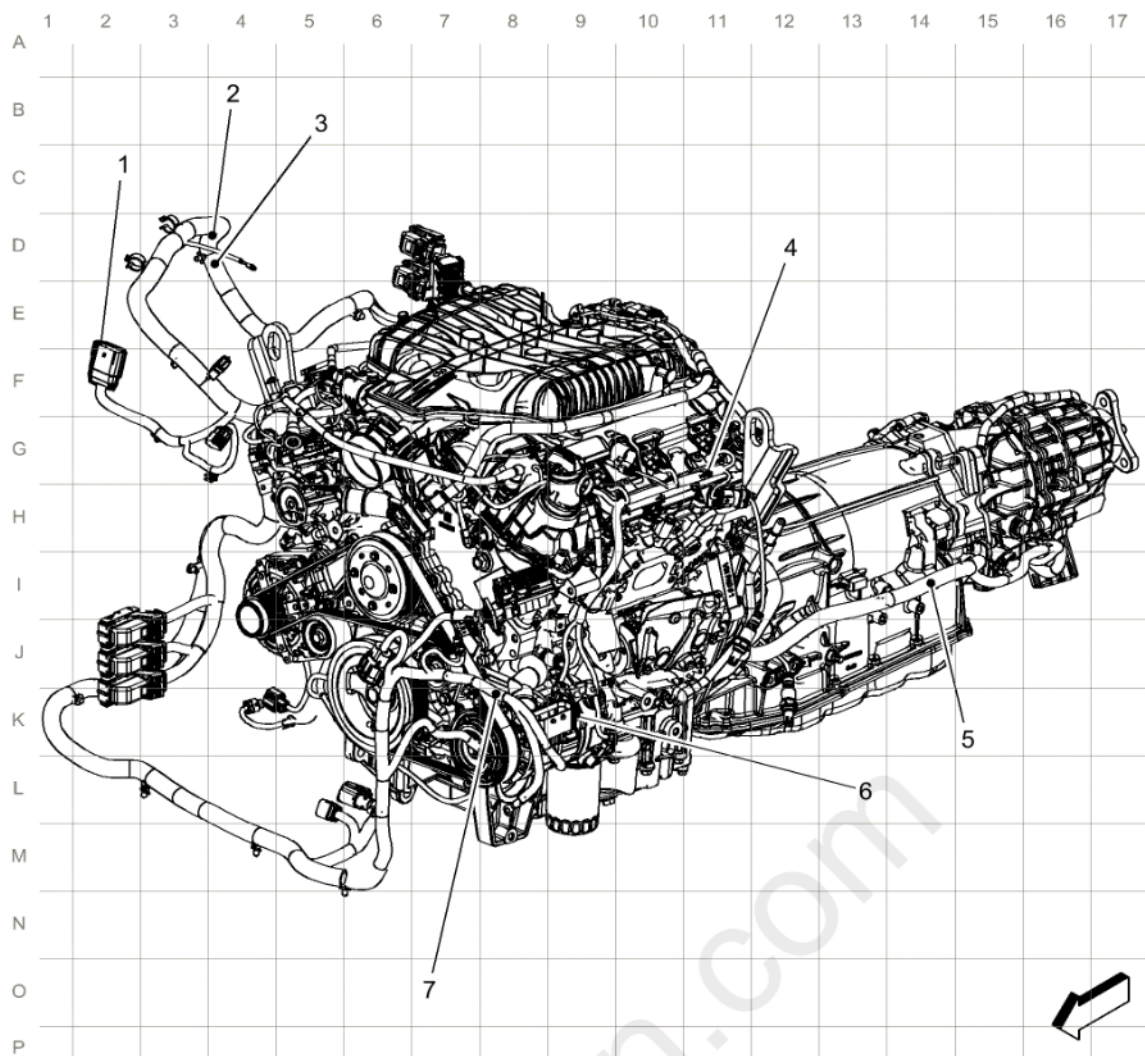


Fig. 6: Engine Harness Routing - Left Front (LGX)

Courtesy of GENERAL MOTORS COMPANY

Items
X128
J184
J178
J175
J186
X150 <u>X150 Body Harness to Engine Harness (HP9)</u>
J150

Engine Harness Routing - Right Rear (LGX)

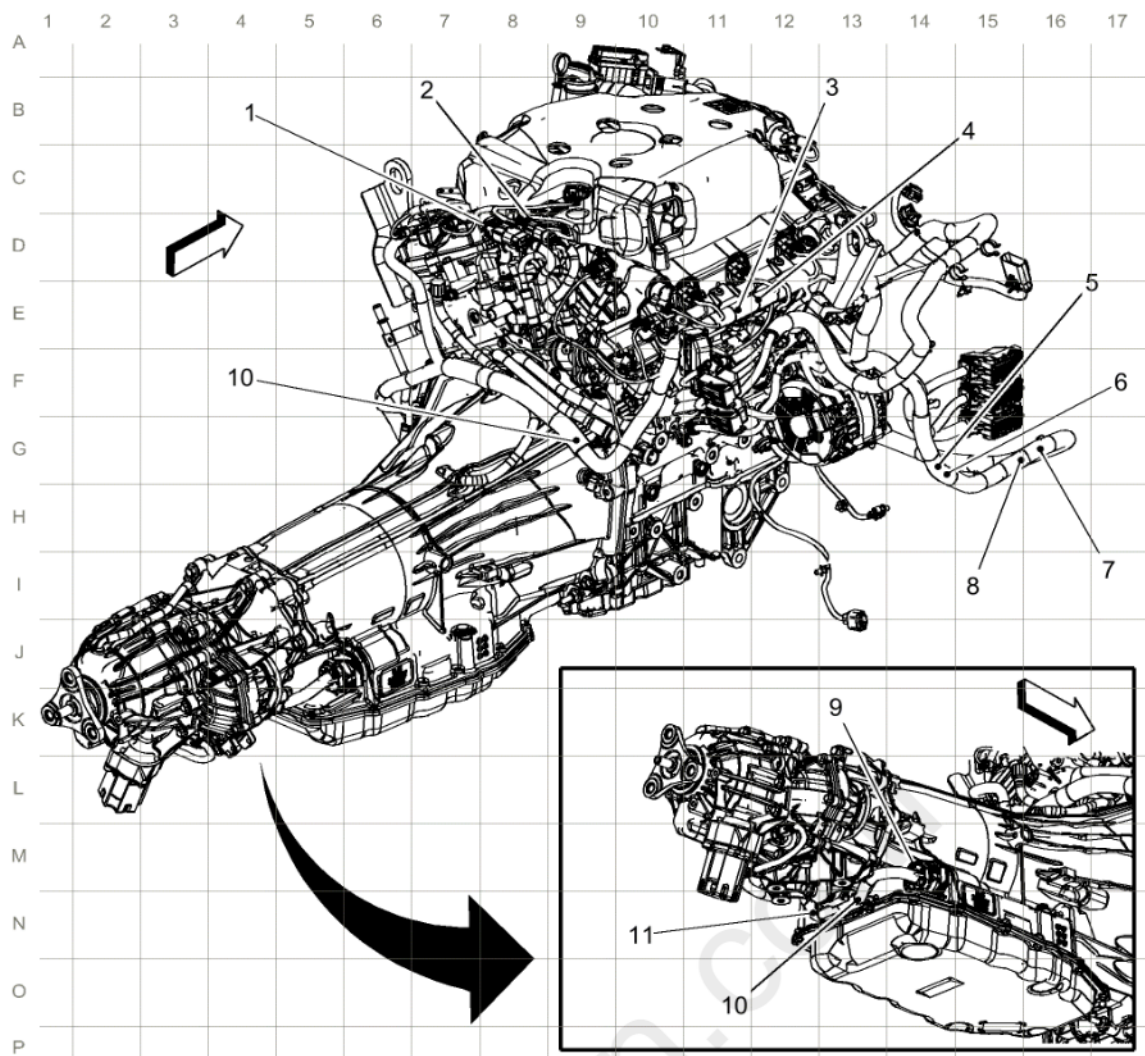


Fig. 7: Engine Harness Routing - Right Rear (LGX)

Courtesy of GENERAL MOTORS COMPANY

Items

X160 X160 Engine Harness to Fuel Rail - Odd Harness (LGW/LGX) X160 Engine Harness to Fuel Rail Harness (LTG)

X161 (LGW/LGX) X161 Engine Harness to Fuel Rail - Even Harness (LGW/LGX)

J176

J180

J156

J170

J176

J158

X175 X175 Engine Harness to Transmission Case Harness (HP9)

J188

J182

J186

Engine Harness Routing - Left Front (LTG with KL9)

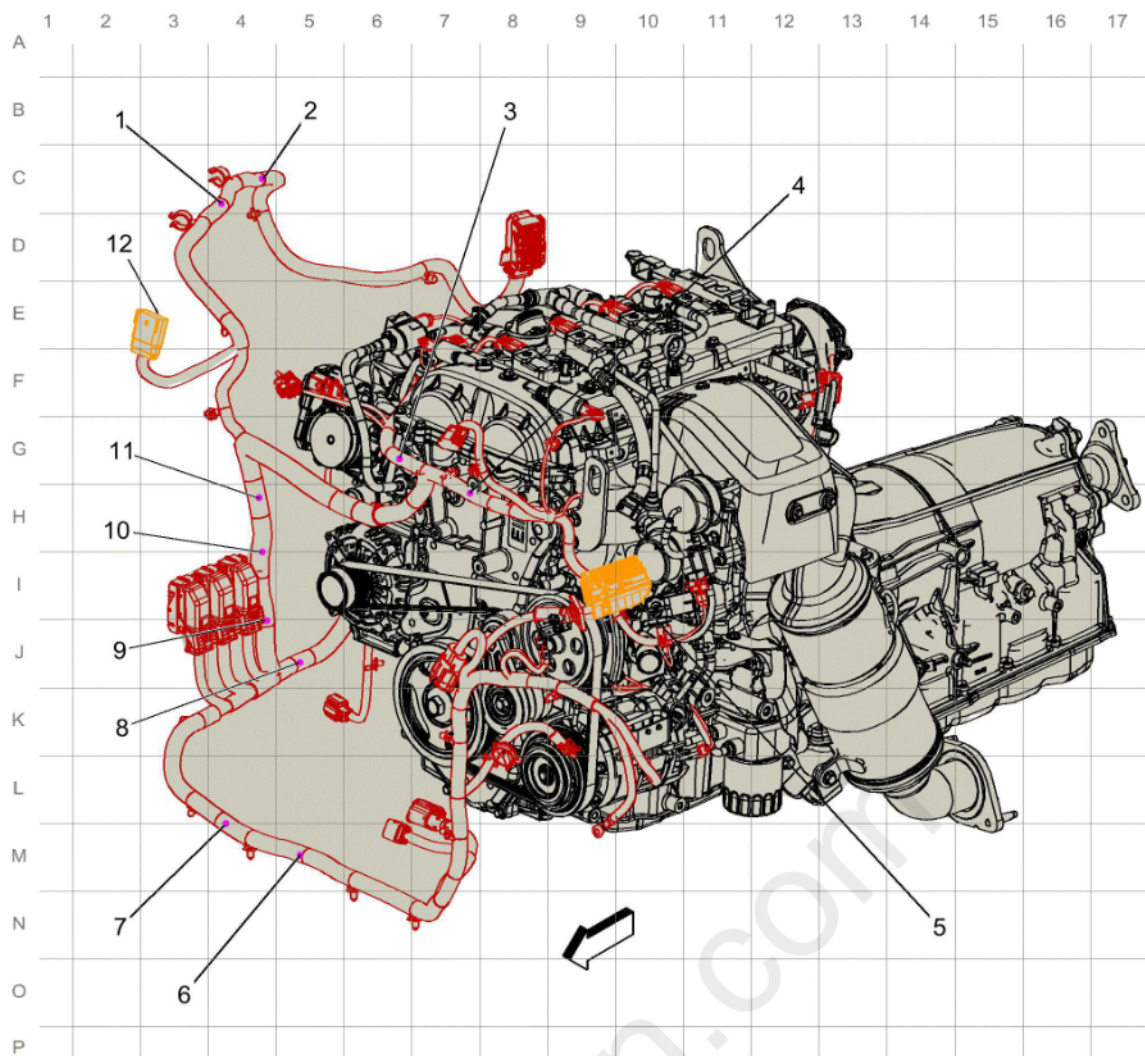


Fig. 8: Engine Harness Routing - Left Front (LTG with KL9)

Courtesy of GENERAL MOTORS COMPANY

Items	
J186	
J188	
J176	
J177	
X150	<u>X150 Body Harness to Engine Harness (HP9)</u>
J170	
J156	
J182	
J172	
J158	
J178	
X128	

Engine Harness Routing - Right Rear (LTG with KL9)

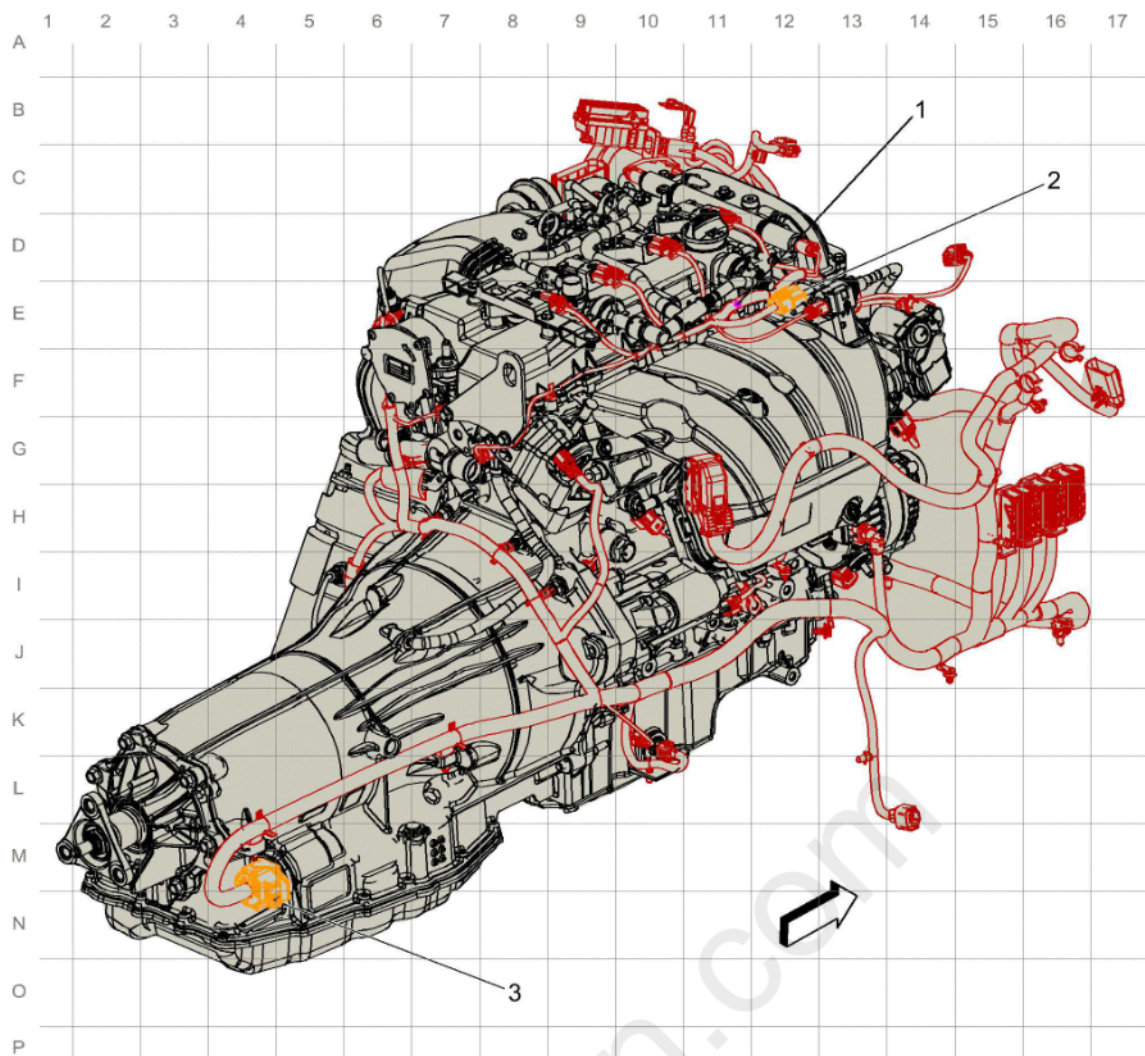


Fig. 9: Engine Harness Routing - Right Rear (LTG with KL9)

Courtesy of GENERAL MOTORS COMPANY

Items

J180

X160 X160 Engine Harness to Fuel Rail - Odd Harness (LGW/LGX) X160 Engine Harness to Fuel Rail Harness (LTG)

X175 X175 Engine Harness to Transmission Case Harness (HP9) X175 Engine Harness to Transmission Case Harness (KL9)

Engine Harness Routing - Left Front (LTG with HP9)

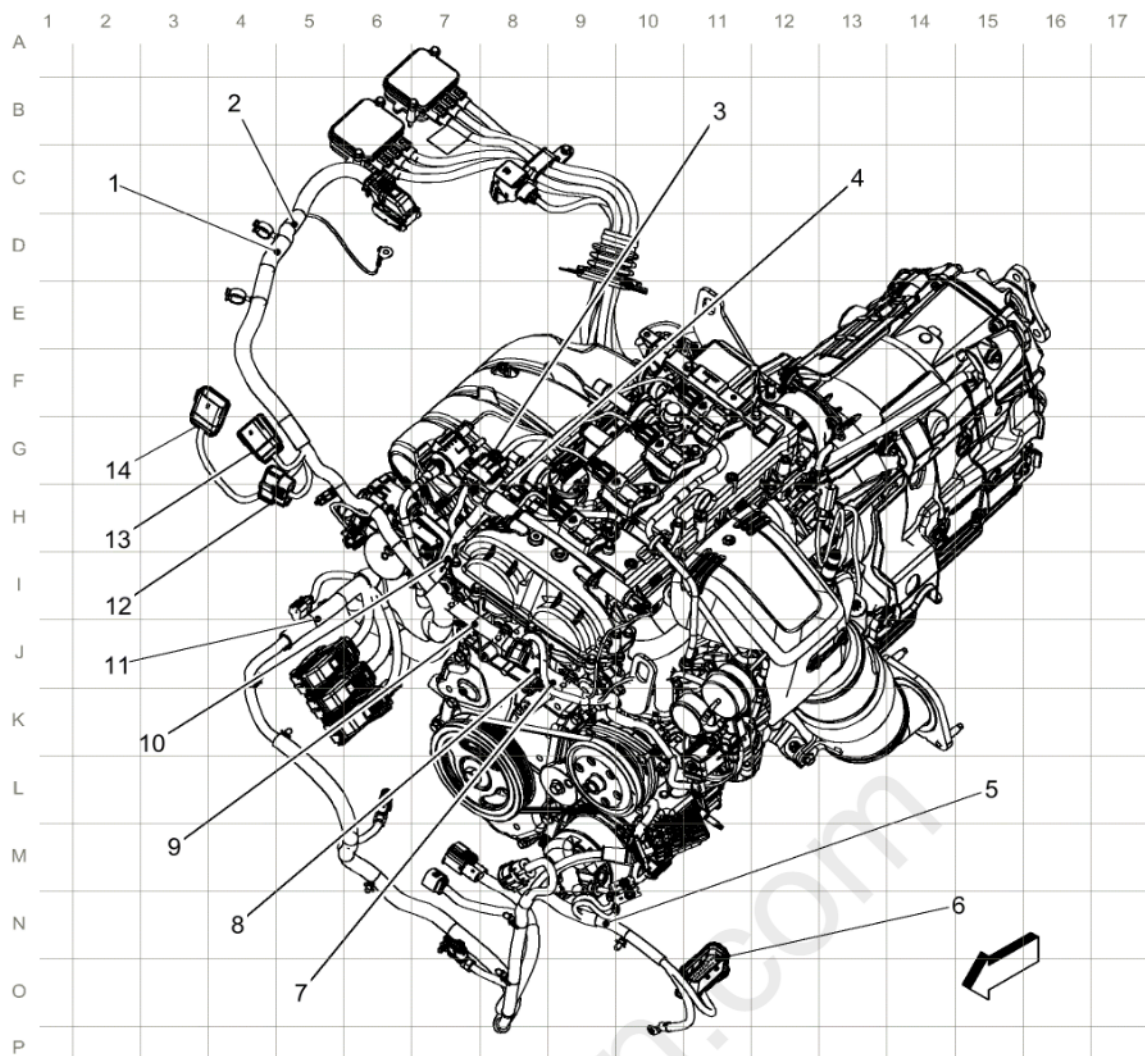


Fig. 10: Engine Harness Routing - Left Front (LTG with HP9)

Courtesy of GENERAL MOTORS COMPANY

Items
J155 (LTG+HP9)
J157 (LTG+HP9)
X160 <u>X160 Engine Harness to Fuel Rail - Odd Harness (LGW/LGX) X160 Engine Harness to Fuel Rail Harness (LTG)</u>
J180
J130
X150 <u>X150 Body Harness to Engine Harness (HP9)</u>
J177
J156
J172
J176
J131 (LTG+HP9)
X190 (HP9) <u>X190 Body Harness to Engine Harness (LTG+HP9)</u>
X128
X127 (HP9) <u>X127 Engine Harness to Body Harness (HP9)</u>

Engine Harness Routing - Right Rear (LTG with HP9)

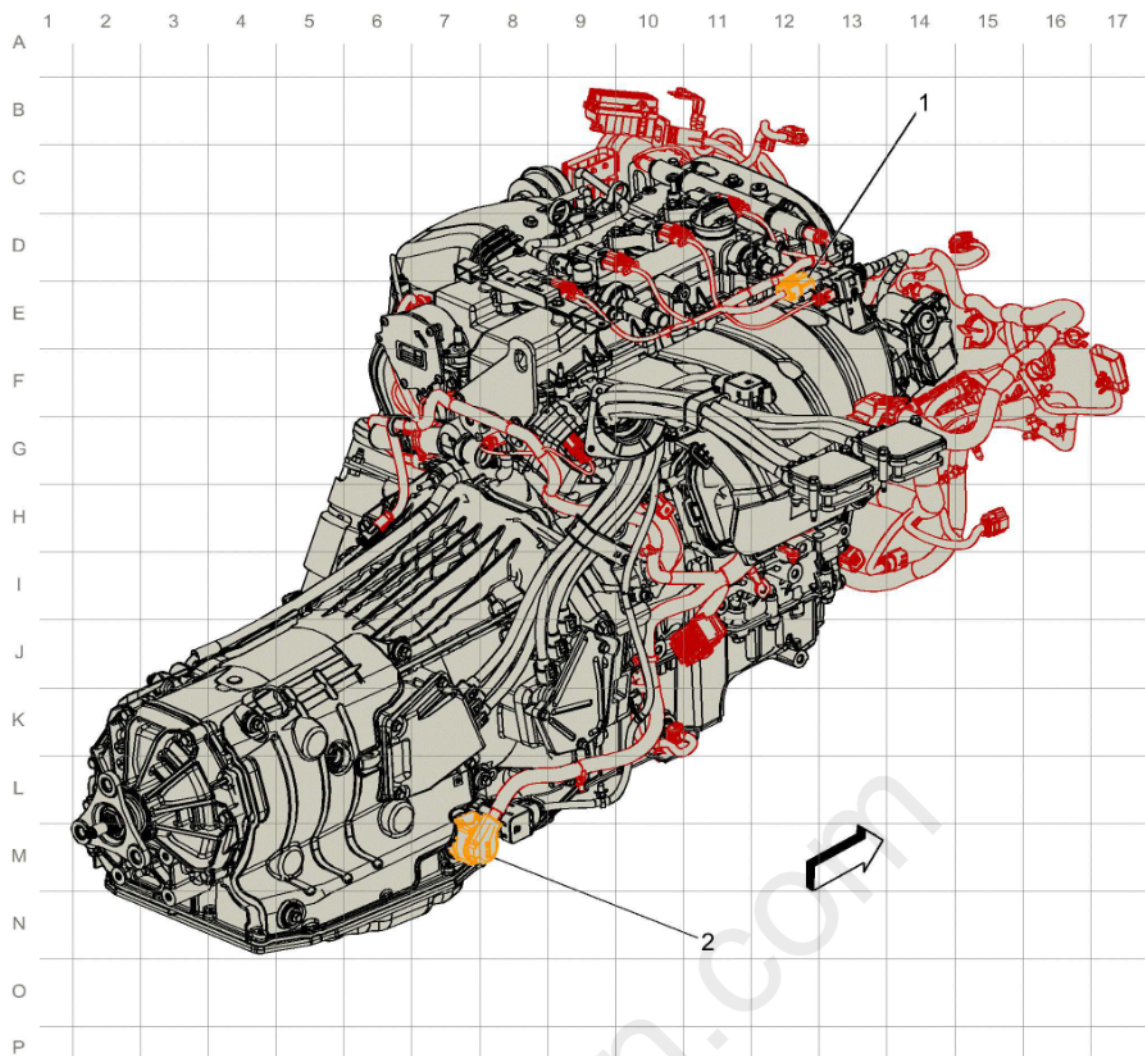


Fig. 11: Engine Harness Routing - Right Rear (LTG with HP9)

Courtesy of GENERAL MOTORS COMPANY

Items

X160 X160 Engine Harness to Fuel Rail - Odd Harness (LGW/LGX) X160 Engine Harness to Fuel Rail Harness (LTG)

X175 X175 Engine Harness to Transmission Case Harness (HP9) X175 Engine Harness to Transmission Case Harness (KL9)

Body Harness - Engine Compartment (KL9)

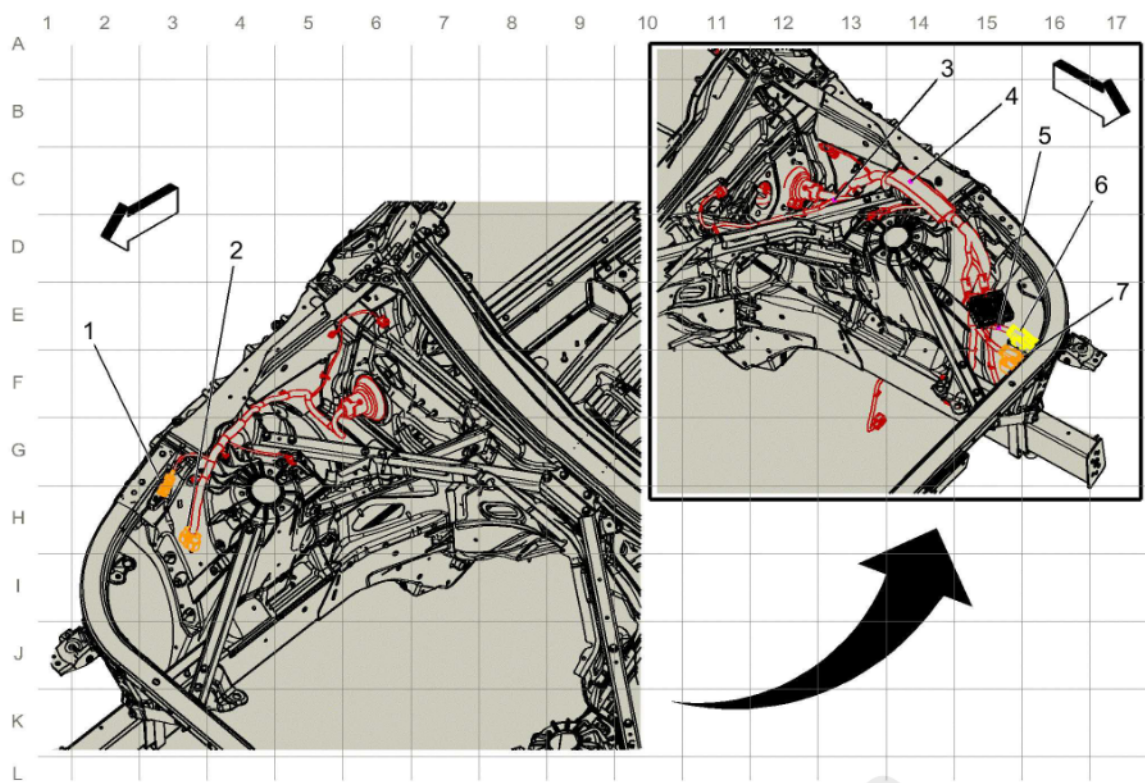


Fig. 12: Body Harness - Engine Compartment (KL9)

Courtesy of GENERAL MOTORS COMPANY

Items
X154 (UV3) <u>X154 Body Harness To Forward Lamp LVDS Harness (UV3)</u>
X128
J199
J197
J195 (F45)
X150 <u>X150 Body Harness to Engine Harness (HP9)</u>
X125 <u>X125 Body Harness to Forward Lamp Harness (HP9)</u> <u>X125 Body Harness to Forward Lamp Harness (KL9)</u>

Body Harness - Engine Compartment (HP9)

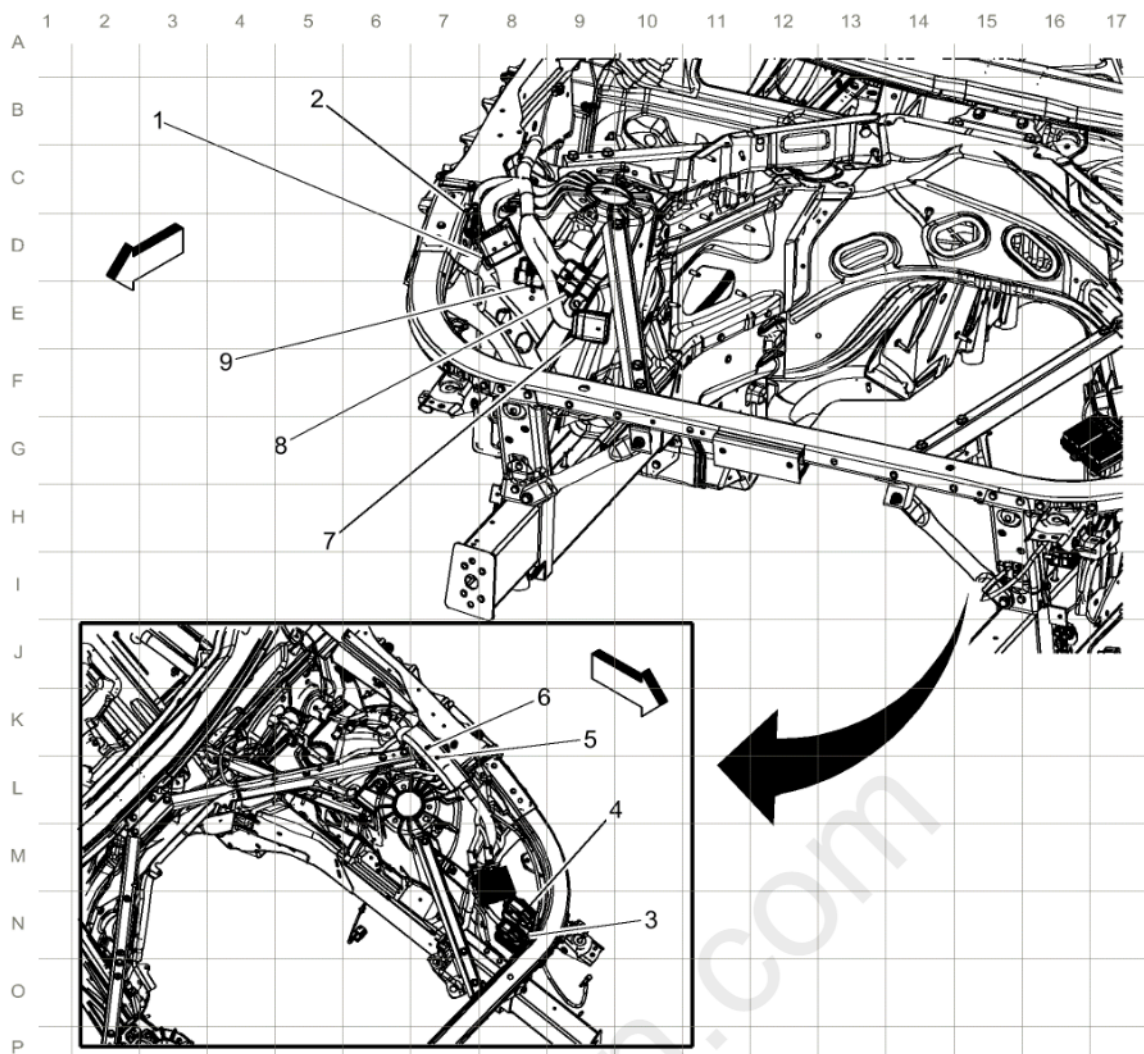


Fig. 13: Body Harness - Engine Compartment (HP9)

Courtesy of GENERAL MOTORS COMPANY

Items

X126 **X126 Forward Lamp Harness to Body Harness**

X154 (UV3) **X154 Body Harness To Forward Lamp LVDS Harness (UV3)**

X125 **X125 Body Harness to Forward Lamp Harness (HP9) X125 Body Harness to Forward Lamp Harness (KL9)**

X150 **X150 Body Harness to Engine Harness (HP9)**

J197

J199

X190 (HP9) **X190 Body Harness to Engine Harness (LTG+HP9)**

X128

X127 (HP9) **X127 Engine Harness to Body Harness (HP9)**

Instrument Panel Harness Routing

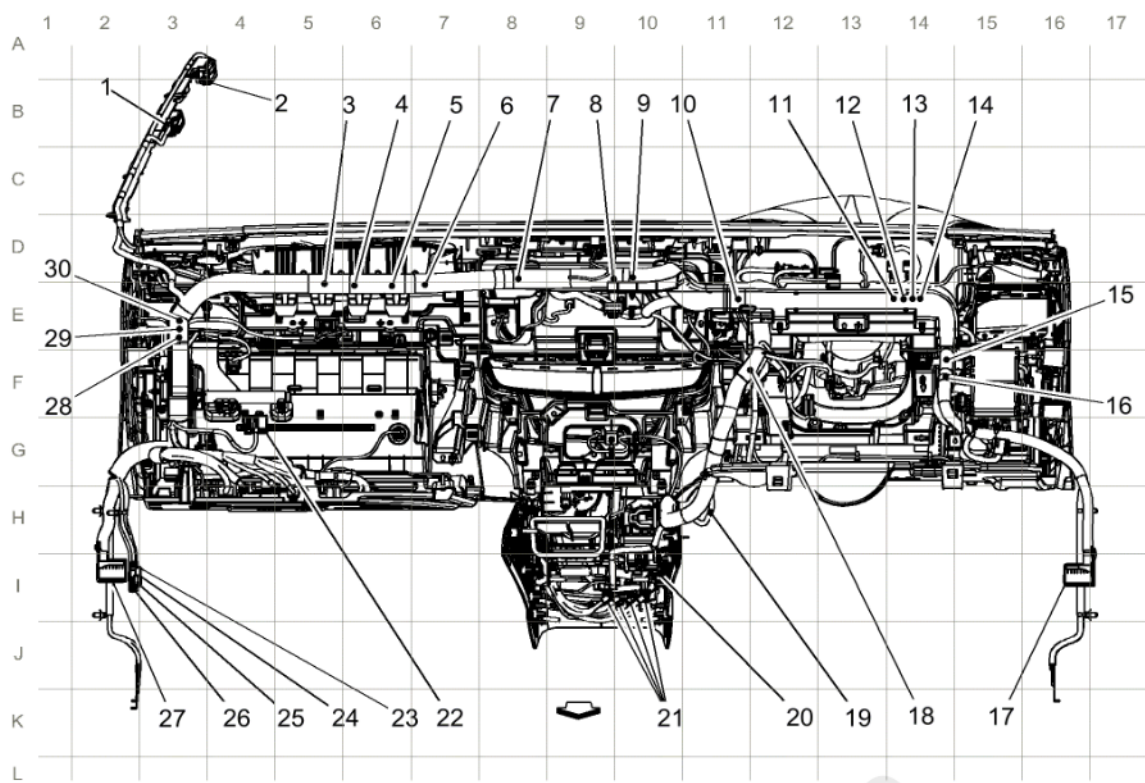


Fig. 14: Instrument Panel Harness Routing
 Courtesy of GENERAL MOTORS COMPANY

Items

- X215 **X215 Headliner Harness to Instrument Panel Harness**
- X216 (UE1/UE3) **X216 Headliner Harness to Instrument Panel Harness**
- J258 (C24+KEM)
- J256 (KI6/KI7)
- J254
- J252
- J250
- J248
- J246
- J244
- J242
- J238
- J240 (KA6)
- J239
- J234
- J230
- X210 **X210 Instrument Panel Harness to Body Harness**
- J260
- J262
- X300 **X300 Instrument Panel Harness To Floor Console Harness**
- X213 (USR/MCR) **X213 Floor Console Harness USB To Instrument Panel Harness USB**
- X290 **X290 Instrument Panel Harness to HVAC Harness**
- X218 (IO6+(CW2/CV4)) **X218 Body Coax Harness To Instrument Panel Coax Harness (IO6-UE1)**
- X221 (UV3) **X221 Instrument Panel LVDS Harness To Body LVDS Harness (UV3)**
- X222 **X222 Body Coax Harness To Instrument Panel Coax Harness (UE1)**
- X230 (CW1) **X230 Instrument Panel Coax Harness To Body Coax Harness (CW1)**
- X220 **X220 Instrument Panel Harness To Body Harness**
- J265
- J266

Headliner Harness Routing

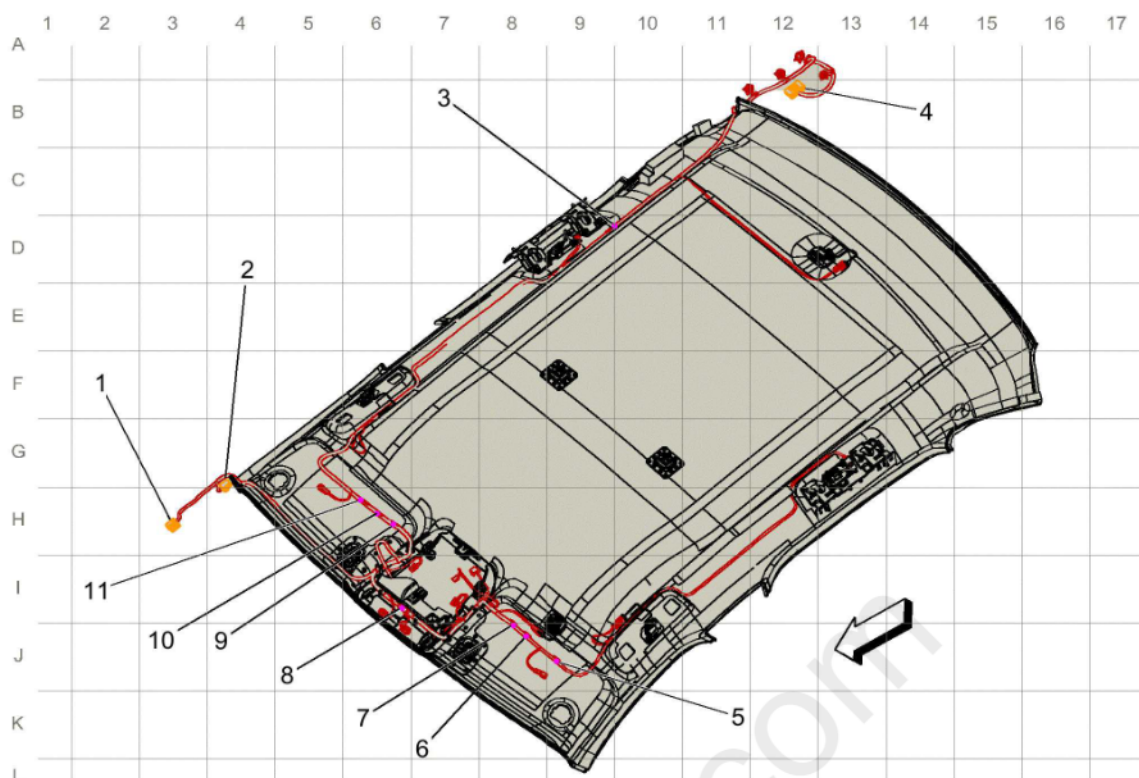


Fig. 15: Headliner Harness Routing

Courtesy of GENERAL MOTORS COMPANY

Items

X215 X215 Headliner Harness to Instrument Panel Harness
 X216 (UE1/UE3) X216 Headliner Harness to Instrument Panel Harness
 J358
 X400 X400 Headliner Harness to Body Harness
 J365 (UG1+UTU+UTV)
 J364
 J362
 J360
 J352
 J354
 J356

Front Door Harnesses

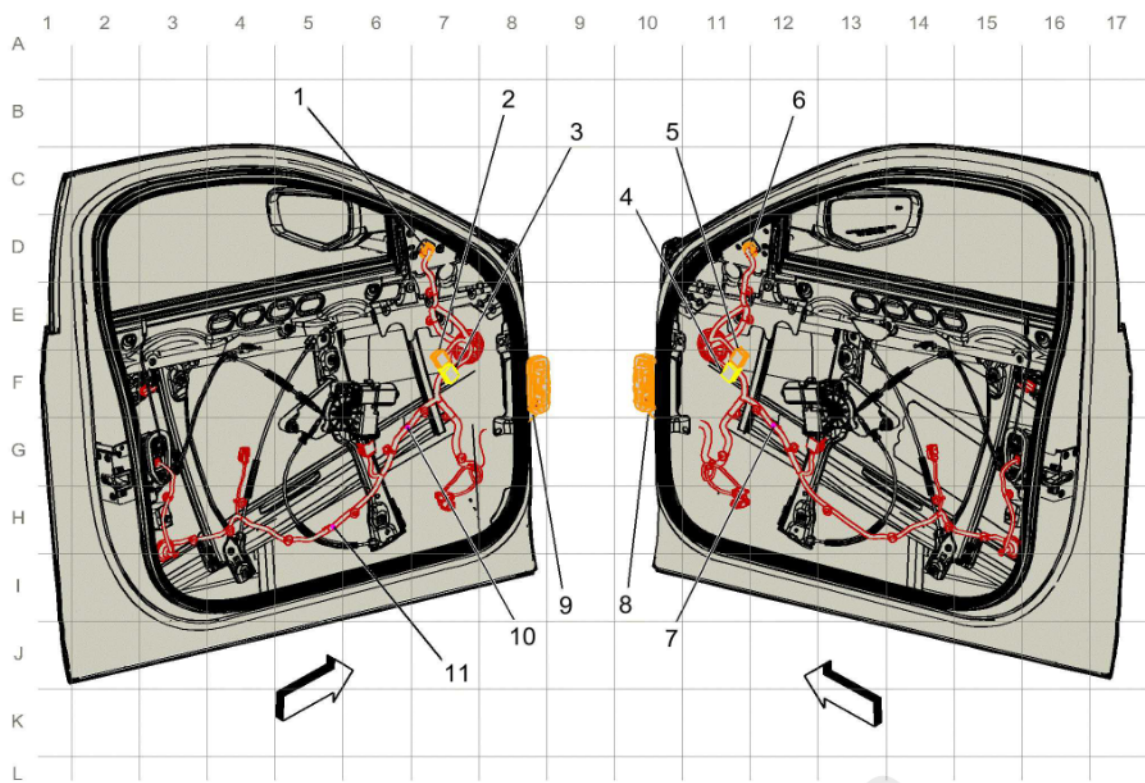


Fig. 16: Front Door Harnesses

Courtesy of GENERAL MOTORS COMPANY

Items

- X510 X510 Driver Door Harness To Driver Outside Rearview Mirror Harness
- X505 X505 Driver Door Harness to Driver Door Trim Harness
- X506 X506 Driver Door Harness to Driver Door Trim Harness
- X606 X606 Passenger Door Harness to Passenger Door Trim Harness
- X605 X605 Passenger Door Harness to Passenger Door Trim Harness
- X610 X610 Passenger Door Harness To Passenger Outside Rearview Mirror Harness
- J600
- X600 X600 Passenger Door Harness to Body Harness
- X500 X500 Driver Door Harness to Body Harness ()
- J500
- J501

Front Door Trim Harnesses

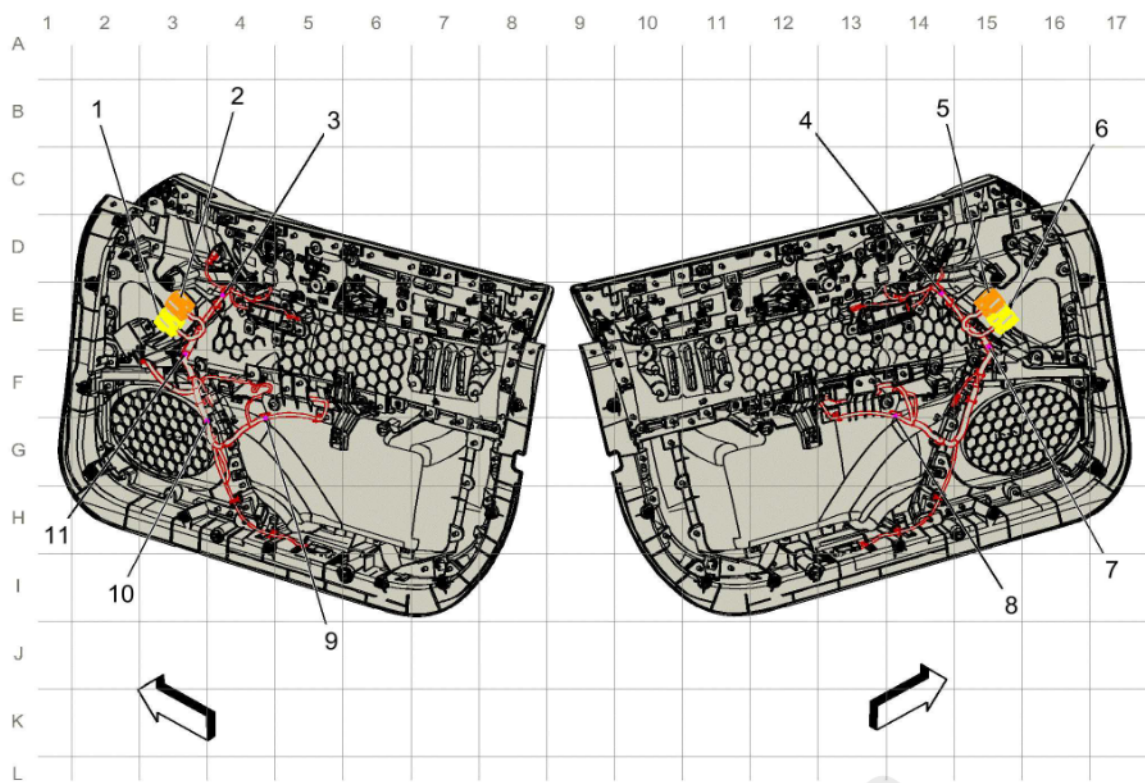


Fig. 17: Front Door Trim Harnesses

Courtesy of GENERAL MOTORS COMPANY

Items	
X505	<u>X505 Driver Door Harness to Driver Door Trim Harness</u>
X506	<u>X506 Driver Door Harness to Driver Door Trim Harness</u>
J508	
J608	
X606	<u>X606 Passenger Door Harness to Passenger Door Trim Harness</u>
X605	<u>X605 Passenger Door Harness to Passenger Door Trim Harness</u>
J605	
J607	
J507	
J506	
J505	

Body Harness - Passenger Compartment - Left Front

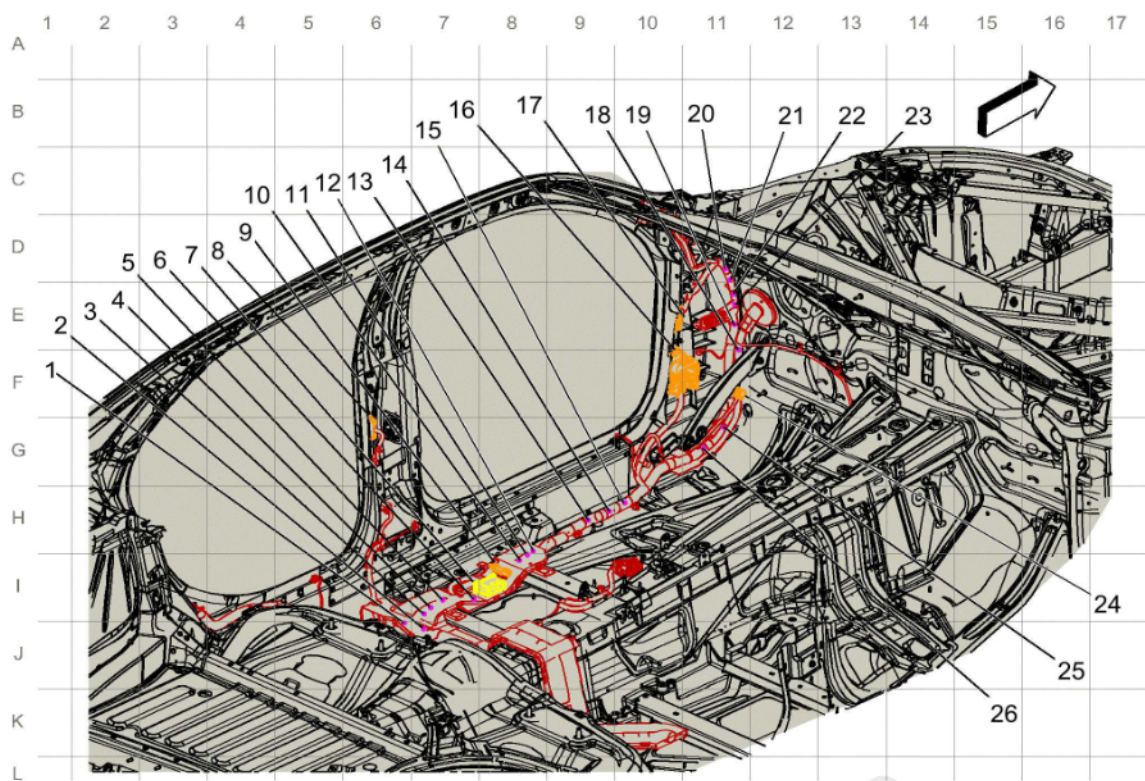


Fig. 18: Body Harness - Passenger Compartment - Left Front
Courtesy of GENERAL MOTORS COMPANY

Items
J335
J307
J333 (UWG)
J306
J305
J304
X310 <u>X310 Driver Seat Harness to Body Harness</u>
X700 <u>X700 Left Rear Door Harness to Body Harness</u>
X381 (UWG) <u>X381 Body LVDS Harness To Driver Seat Back LVDS Harness (UWG)</u>
J303 (DNP/DWR)
J302
J301 (KA1)
J234
J230
J300
X210 <u>X210 Instrument Panel Harness to Body Harness</u>
X500 <u>X500 Driver Door Harness to Body Harness ()</u>
J200 (TR7+UHX+UGN)
J202 (TR7+UHX+UGN)
J208 (UQH)
J206 (TR7+UHX+UGN)
J204 (UQH)
J210 (TR7+(UHX-UGN))
X305 (UQH) <u>X305 Body Harness to Left Front Audio Amplifier Harness (UQH)</u>
J201
J203 (DNP/DWR)

Body Harness - Passenger Compartment - Right Front

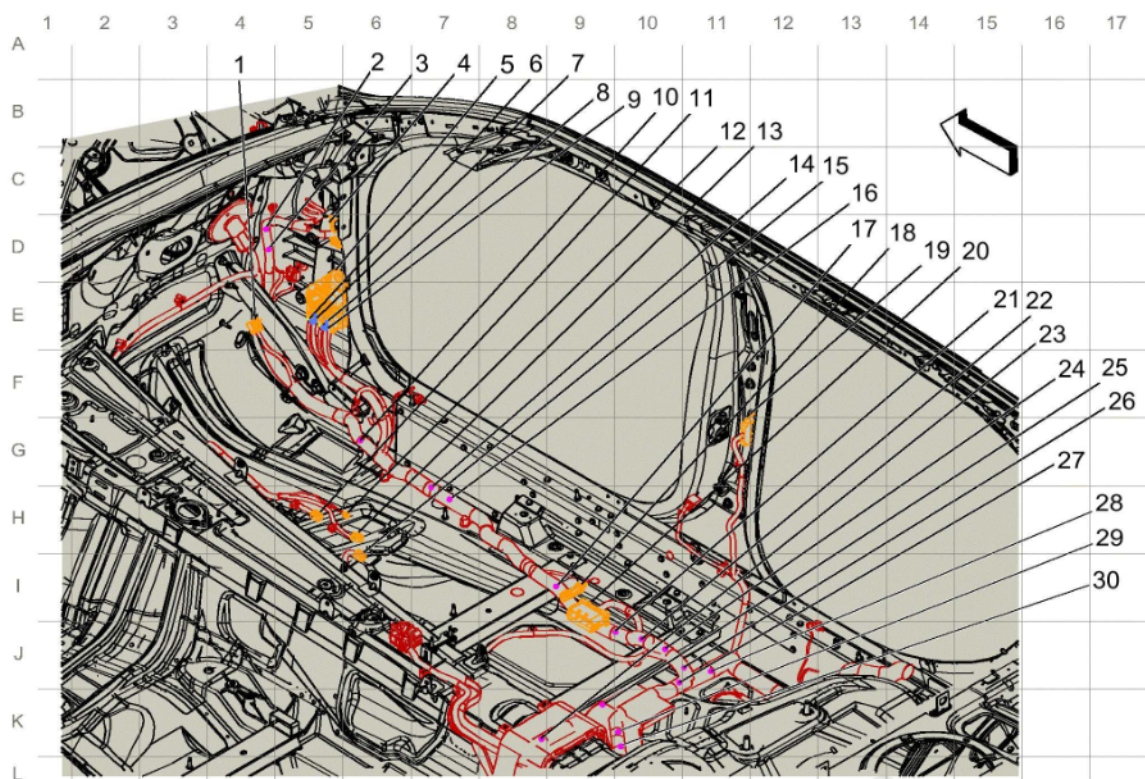


Fig. 19: Body Harness - Passenger Compartment - Right Front
Courtesy of GENERAL MOTORS COMPANY

Items

X306 (UQH) **X306 Body Harness to Right Front Audio Amplifier Harness (UQH)**
J290 (UQH)
J292 (UQH)
X600 **X600 Passenger Door Harness to Body Harness**
X220 **X220 Instrument Panel Harness To Body Harness**
X218 (IO6+(CW2/CV4)) **X218 Body Coax Harness To Instrument Panel Coax Harness (IO6-UE1)**
X221 (UV3) **X221 Instrument Panel LVDS Harness To Body LVDS Harness (UV3)**
X222 **X222 Body Coax Harness To Instrument Panel Coax Harness (UE1)**
X230 (CW1) **X230 Instrument Panel Coax Harness To Body Coax Harness (CW1)**
J294
X383
X389 (UWG) **X389 Body Harness To Floor Console Harness (UWG)**
X336 **X336 Body Harness to Floor Console Harness**
J316 (C24)
X262 (UWG) **X262 Floor Console USB Harness To Body USB Harness (UWG)**
J317
J318
X382 (UWG) **X382 Body LVDS Harness To Passenger Seatback LVDS Harness (UWG)**
X800 **X800 Right Rear Door Harness to Body Harness**
X320 **X320 Passenger Seat Harness to Body Harness**
J319
J326
J330
J327 (ASG)
J332
J344
J345
J342 (UGN)
J340

Rear Door Harnesses

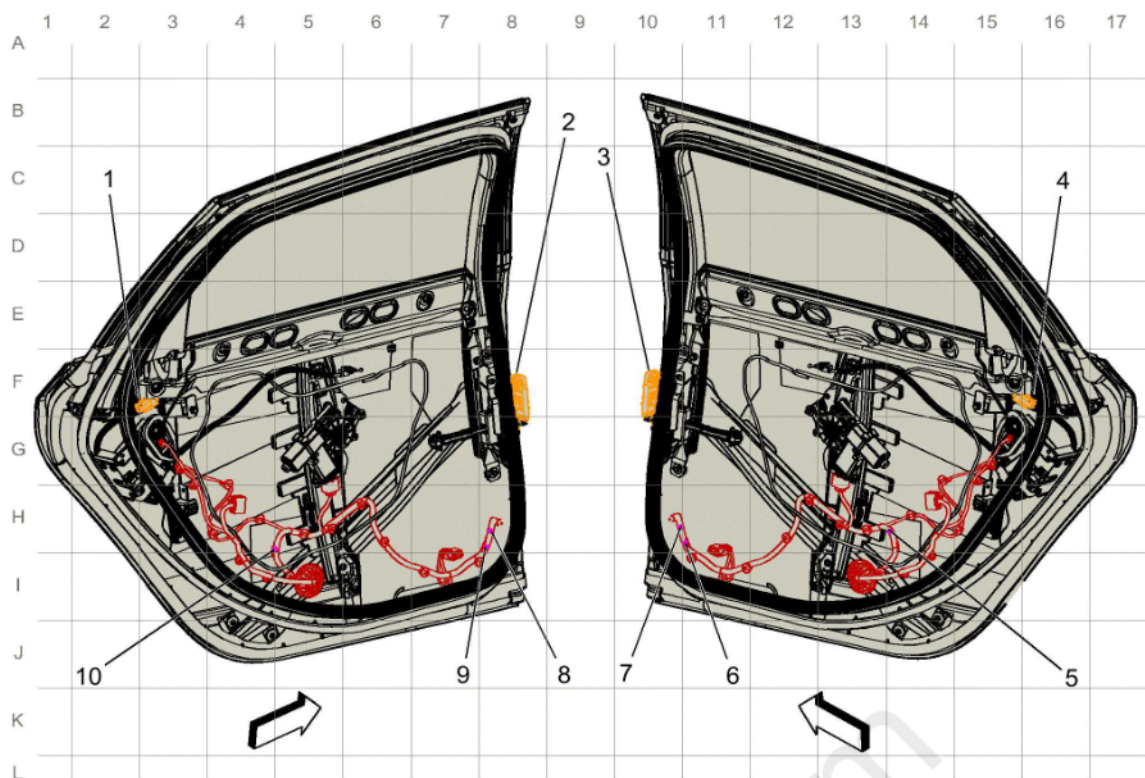


Fig. 20: Rear Door Harnesses

Courtesy of GENERAL MOTORS COMPANY

Items

X705 X705 Left Rear Door Harness to Left Rear Door Trim Harness

X700 X700 Left Rear Door Harness to Body Harness

X800 X800 Right Rear Door Harness to Body Harness

X805 X805 Right Rear Door Harness to Right Rear Door Trim Harness

J804

J802

J800

J700

J702

J704

Rear Door Trim Harnesses

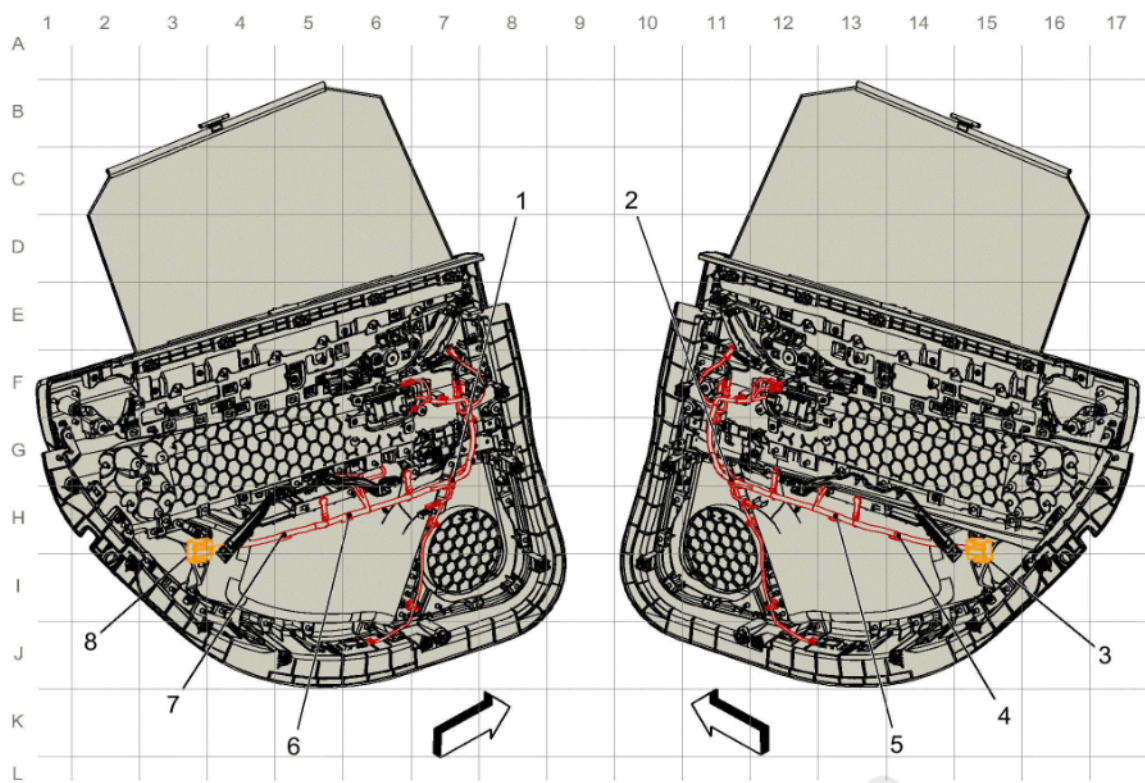


Fig. 21: Rear Door Trim Harnesses

Courtesy of GENERAL MOTORS COMPANY

Items
J805
J705
X705 <u>X705 Left Rear Door Harness to Left Rear Door Trim Harness</u>
J706
J707 (C3U/DB3)
J807 (C3U/DB3)
J806
X805 <u>X805 Right Rear Door Harness to Right Rear Door Trim Harness</u>

Body Harness - Passenger Compartment - Left Rear

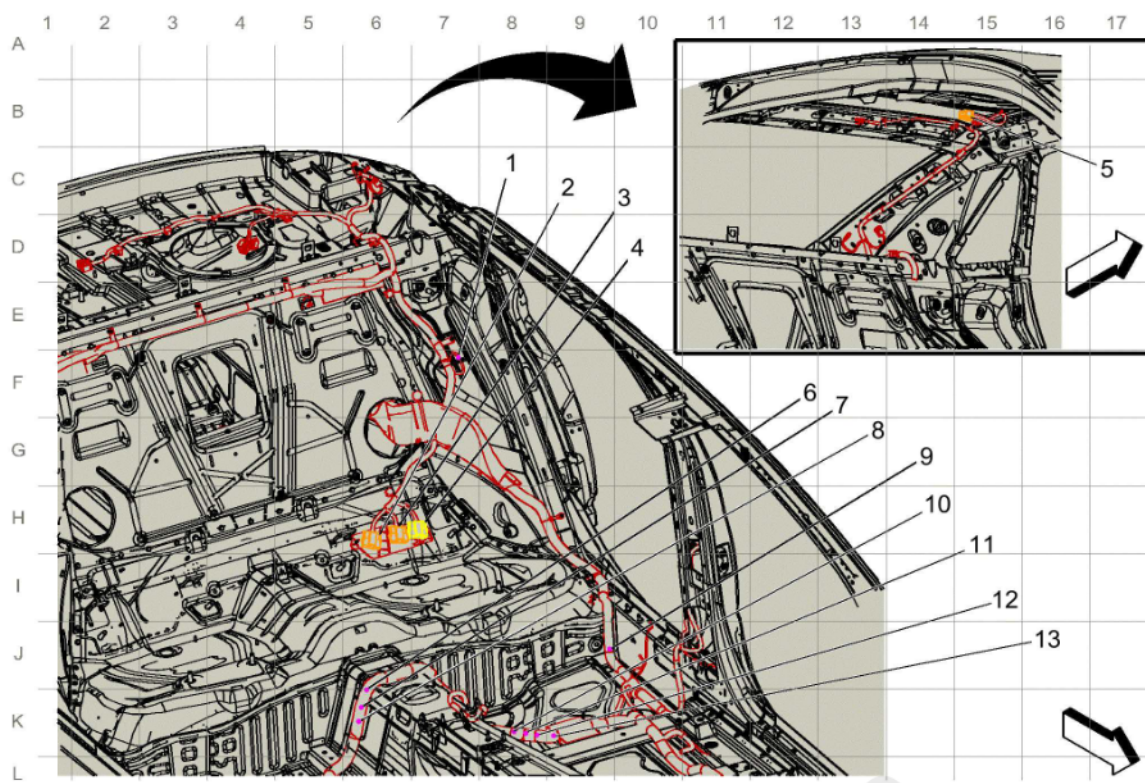


Fig. 22: Body Harness - Passenger Compartment - Left Rear
 Courtesy of GENERAL MOTORS COMPANY

Items

J410
 X323 (ASG) **X323 Left Rear Seat Harness to Body Harness (AQ9)**
 X377 (KA6+ASG) **X377 Rear Seat Heating Control Module Harness to Body Harness**
 X356 (ASG) **X356 Rear Seat Back Harness to Body Harness (-AQ9)**
 X339 (C3U) **X339 Body Harness to Sunroof Jumper Harness (C3U)**
 J334
 J336 (UTT)
 J338
 J337 (C3U/UTU/UTV)
 J329
 J328 (UWG)
 J309
 J308

Body Harness - Passenger Compartment - Right Rear

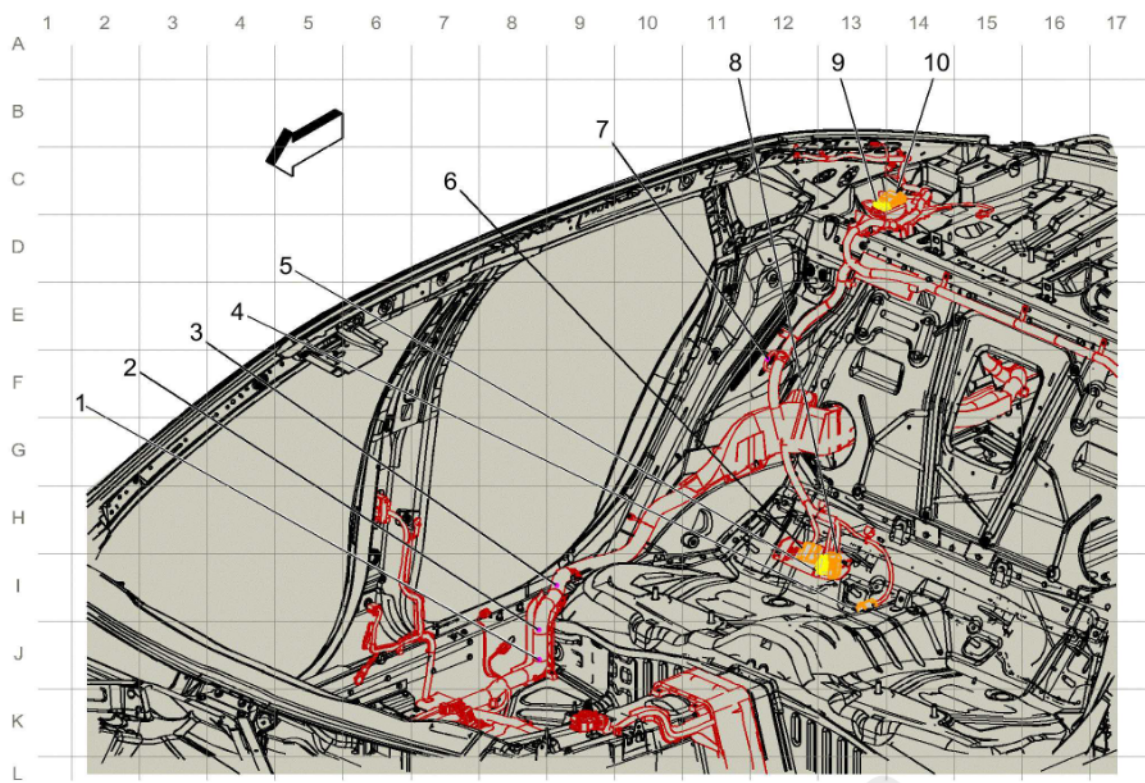


Fig. 23: Body Harness - Passenger Compartment - Right Rear
 Courtesy of GENERAL MOTORS COMPANY

Items

J346 (DB3)
 J348 (KA6)
 J350
 X376 (ASG) **X376 Rear Seat Armrest Harness to Body Harness (AQ9)**
 X387 **X387 Passenger Seat Cushion Harness to Body Harness**
 X324 (ASG) **X324 Right Rear Seat Harness to Body Harness**
 J415
 X385 (UWG+ASG) **X385 Body Harness To Rear Seat Armrest Harness (UWG)**
 X422 (DB3) **X422 Rear Window Sunshade Jumper Harness to Body Harness (DB3)**
 X400 **X400 Headliner Harness to Body Harness**

Body Harness - Luggage Compartment - Left

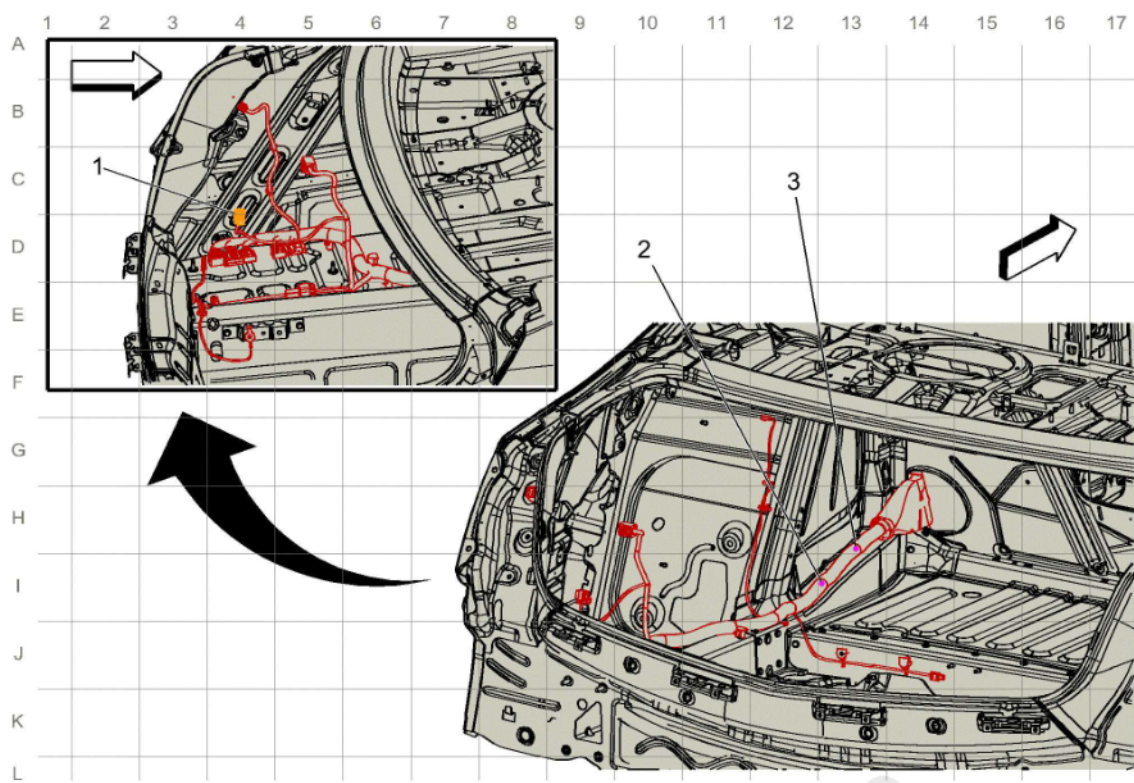


Fig. 24: Body Harness - Luggage Compartment - Left
 Courtesy of GENERAL MOTORS COMPANY

Items
X440 (C24) X440 Body Harness to HVAC Harness
J405
J400

Body Harness - Luggage Compartment - Right

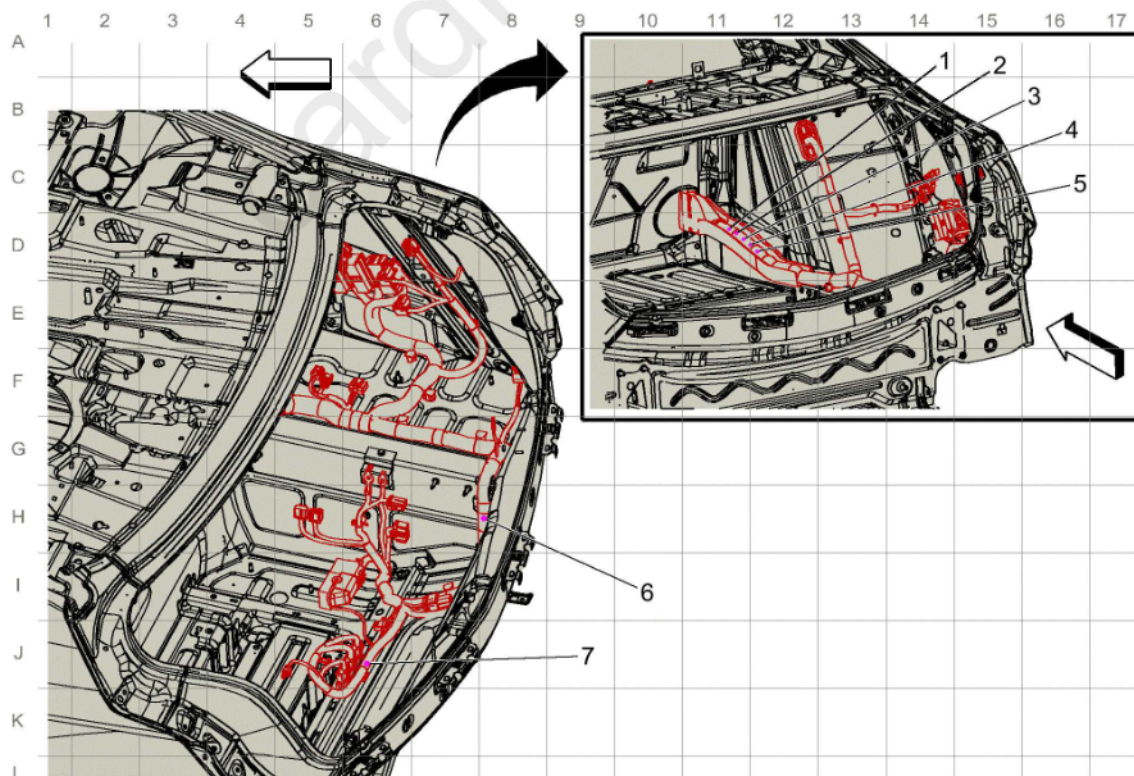


Fig. 25: Body Harness - Luggage Compartment - Right
 Courtesy of GENERAL MOTORS COMPANY

Items

J425 (AX7)
J430 (UVH+XVR)
J435
J440
J445
J470 (KSG+UQA)
J475

Body Harness - Rear of Vehicle and Trunk Lid

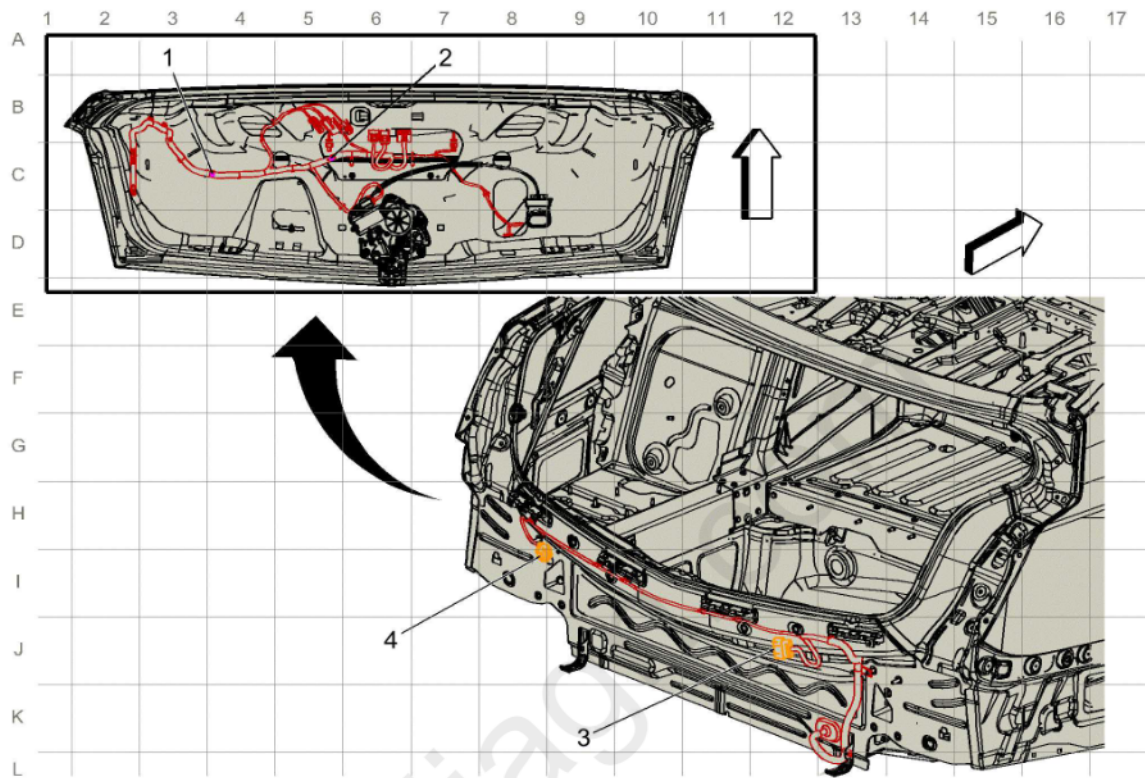


Fig. 26: Body Harness - Rear of Vehicle and Trunk Lid

Courtesy of GENERAL MOTORS COMPANY

Items

J460
J465 (TC2)
X415 **X415 Body Harness to Rear Fascia Harness**
X409 (TC2+UFQ) **X409 Body Harness to Rear Fascia Harness**

Body Harness - Right Rear Wheel Well

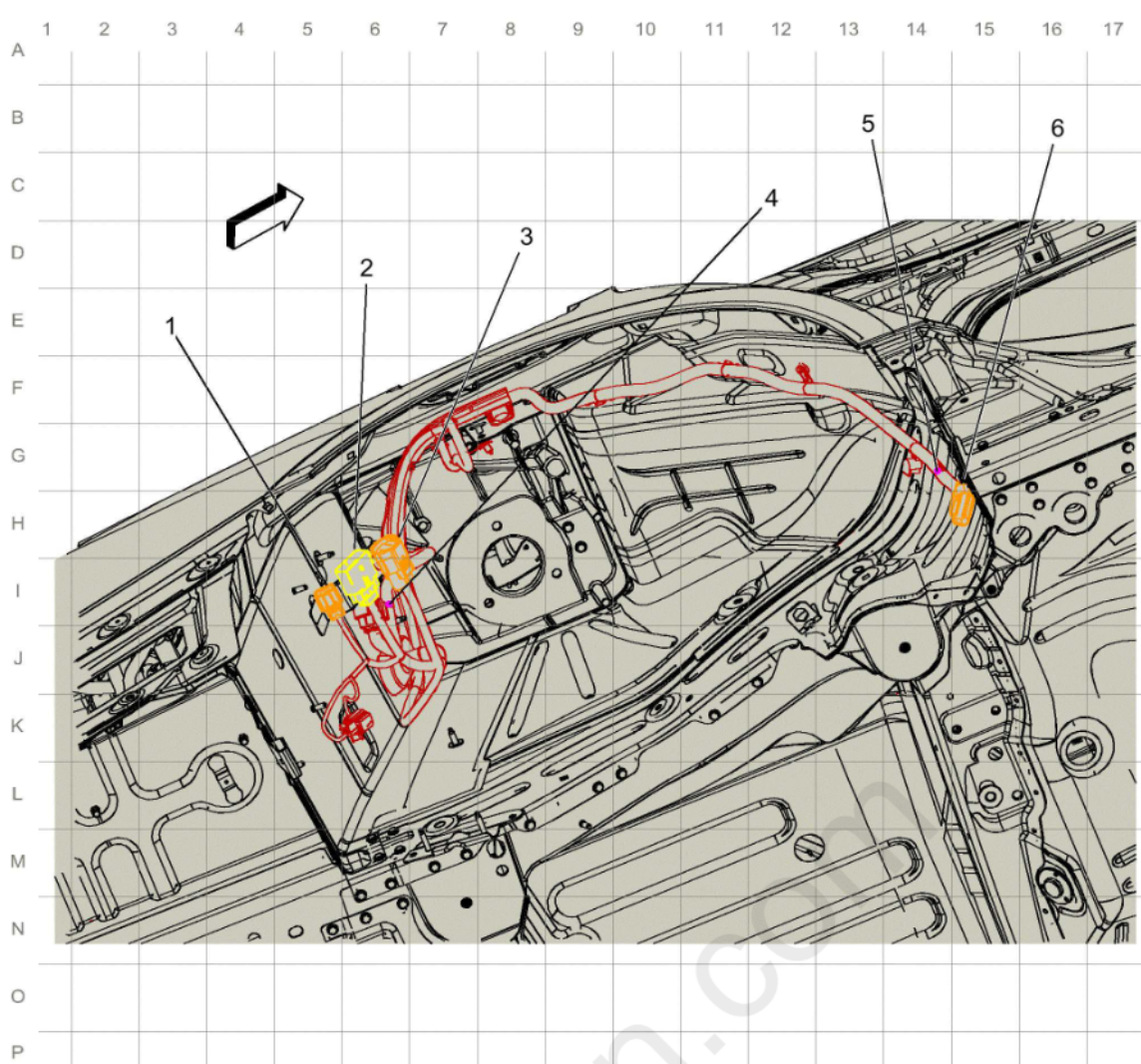


Fig. 27: Body Harness - Right Rear Wheel Well

Courtesy of GENERAL MOTORS COMPANY

Items

X331 (NYS) X331 Body Harness to Rear Axle Harness (NYS)

X405 X405 Body Harness to Rear Axle Harness (HP9) X405 Rear Axle Harness to Body Harness (KL9)

X900 (NYS) X900 Body Harness to Rear Axle Harness (NYS)

J450

J455

X350 X350 Fuel Tank Harness to Body Harness

Rear Axle Harness Routing

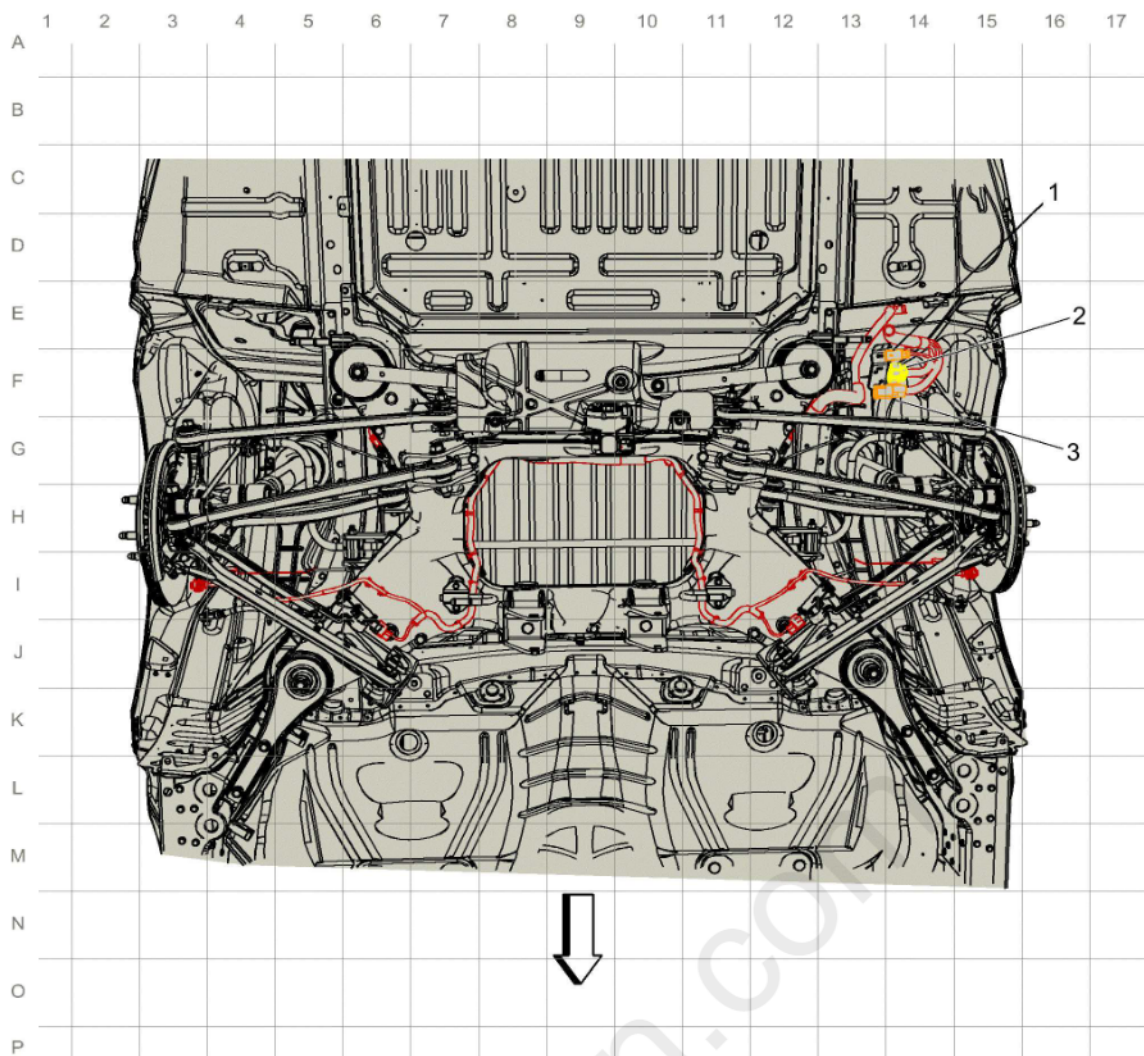


Fig. 28: Rear Axle Harness Routing

Courtesy of GENERAL MOTORS COMPANY

Items

X331 (NYS) X331 Body Harness to Rear Axle Harness (NYS)

X405 X405 Body Harness to Rear Axle Harness (HP9) X405 Rear Axle Harness to Body Harness (KL9)

X900 (NYS) X900 Body Harness to Rear Axle Harness (NYS)

Rear Fascia Harness Routing

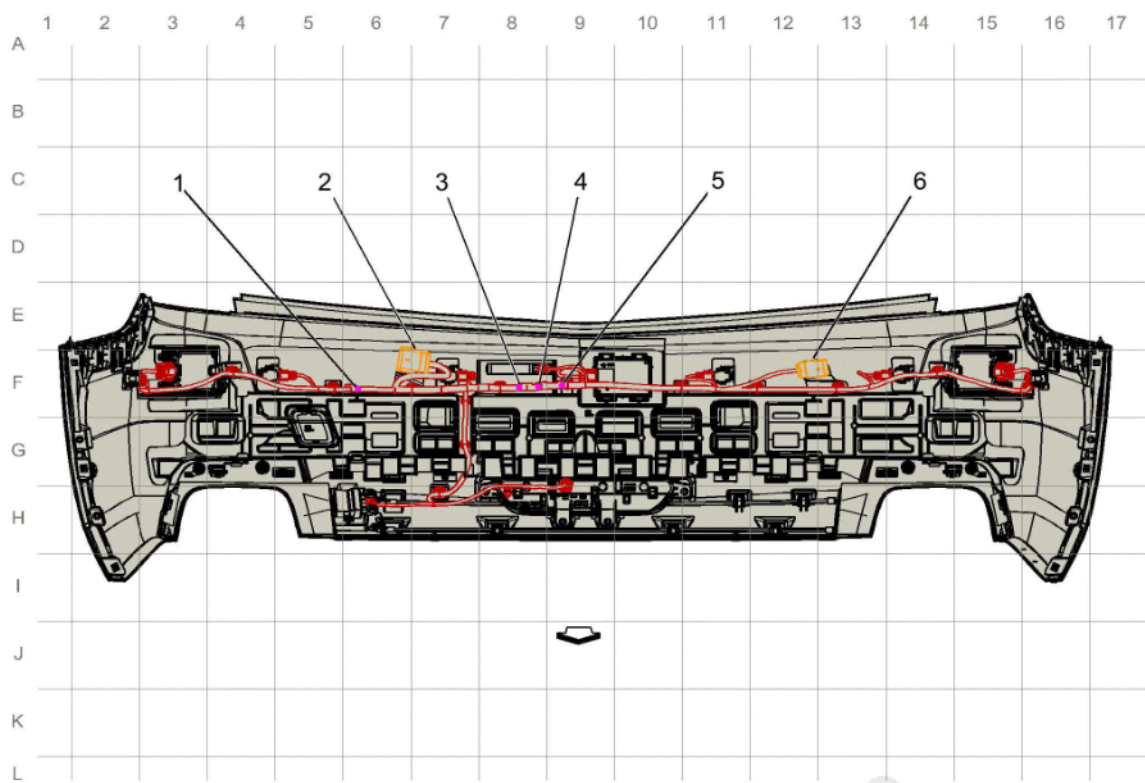


Fig. 29: Rear Fascia Harness Routing

Courtesy of GENERAL MOTORS COMPANY

Items	
J900	
X415	<u>X415 Body Harness to Rear Fascia Harness</u>
J905	
J910	
J915	
X409 (TC2+UFQ)	<u>X409 Body Harness to Rear Fascia Harness</u>

2017 ELECTRICAL

Wiring Systems and Power Management - Schematic Wiring Diagrams - How to Use Electrical Wiring Schematics - CT6

SCHEMATIC WIRING DIAGRAMS

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

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

cardiagn.com

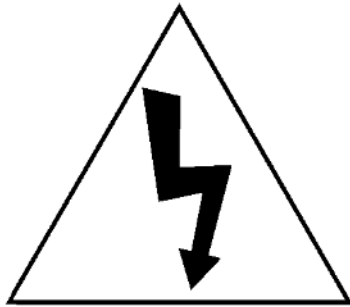
2017 ELECTRICAL

Wiring Systems and Power Management - Schematic Wiring Diagrams - Master Electrical Wiring Schematic Icons

SCHEMATIC WIRING DIAGRAMS

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

**WARNING:**

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

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

WARNING:

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

WARNING:

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

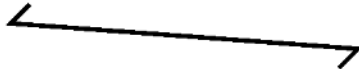
The High Voltage Disabling procedure will perform the following tasks:

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

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

**CAUTION:**

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

Icon	Icon Definition
	NOTE: Twisted wires provide an effective shield that helps protect sensitive electronic components from electrical interference. In order to prevent electrical interference from degrading the performance of the connected components, you must maintain the proper specification when making any repairs to the twisted wires shown : • The wires must be twisted a minimum of 9 turns per 31 cm (12 in) as measured anywhere along the length of the wires. • The outside diameter of the twisted wires must not exceed 6.0 mm (0.25 in).

cardiagn.com

2017 ELECTRICAL

Wiring Systems and Power Management - Schematic Wiring Diagrams - Power Distribution Schematics - CT6

SCHEMATIC WIRING DIAGRAMS

POWER DISTRIBUTION WIRING SCHEMATICS

X50D Battery Fuse Block (HP9)

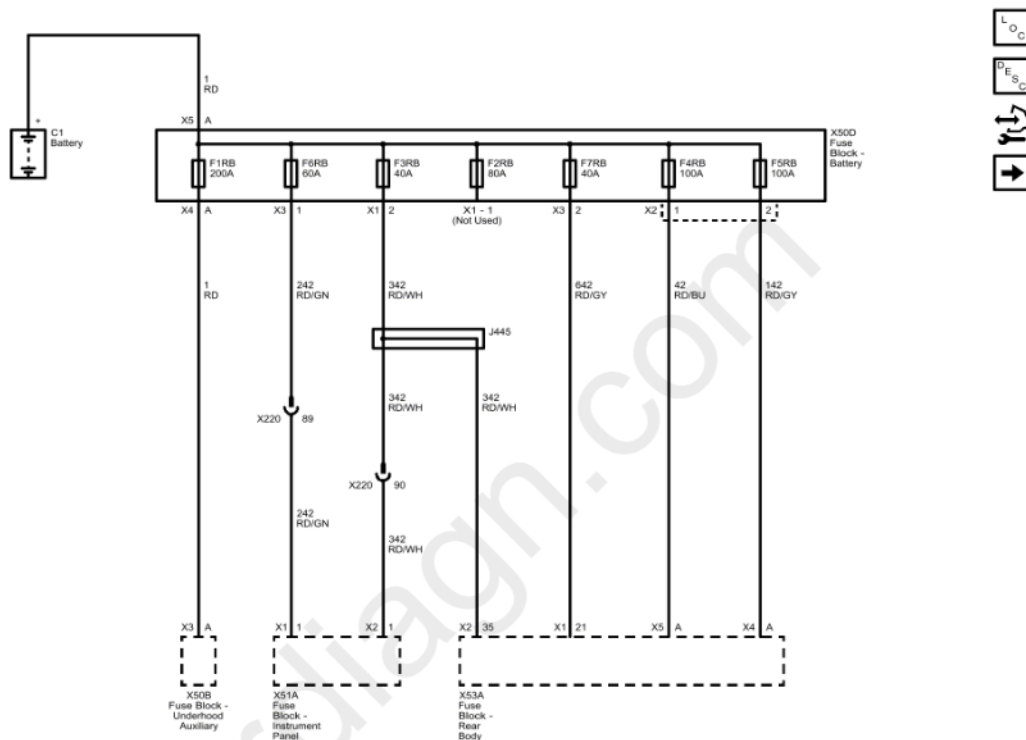


Fig. 1: X50D Battery Fuse Block (HP9)

Courtesy of GENERAL MOTORS COMPANY

X50D Battery Fuse Block and Battery Sensor (KL9)

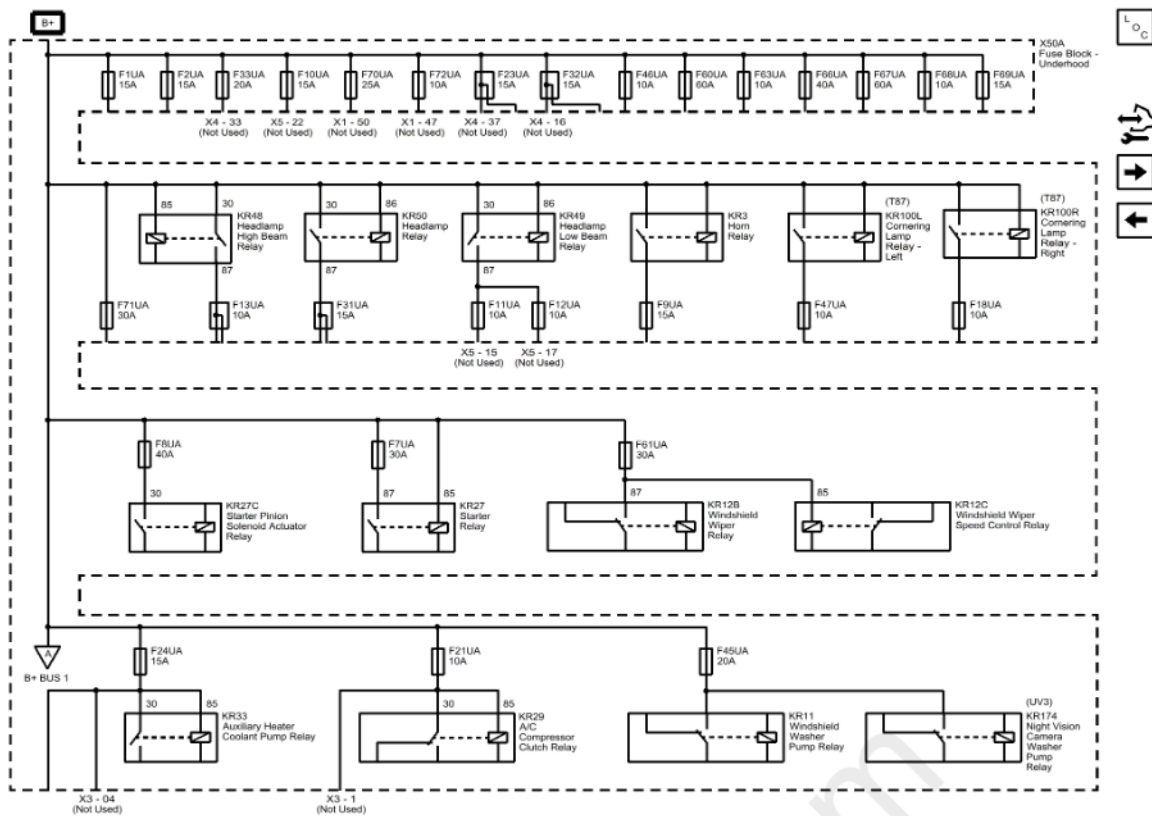


Fig. 4: B+ Bus X50A Fuse Block - Underhood (1 of 2)
 Courtesy of GENERAL MOTORS COMPANY

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

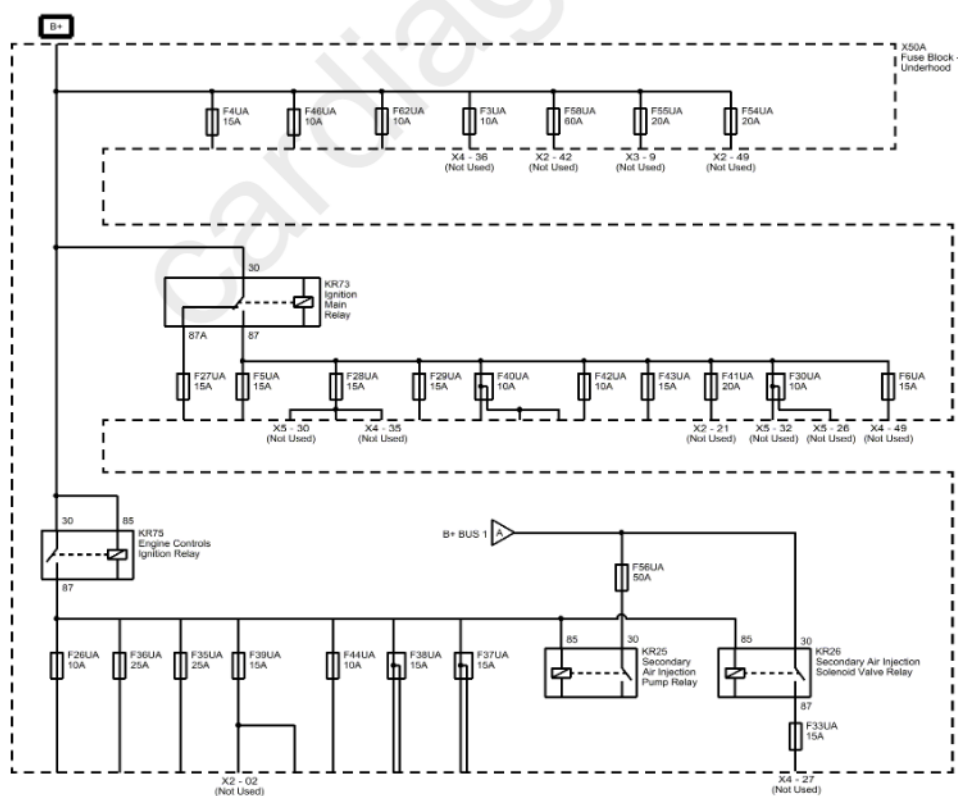


Fig. 5: B+ Bus X50A Fuse Block - Underhood (2 of 2)
 Courtesy of GENERAL MOTORS COMPANY

F1UA, F2UA, F4UA, F23UA, F32UA, F62UA, F63UA, F67UA and F69UA

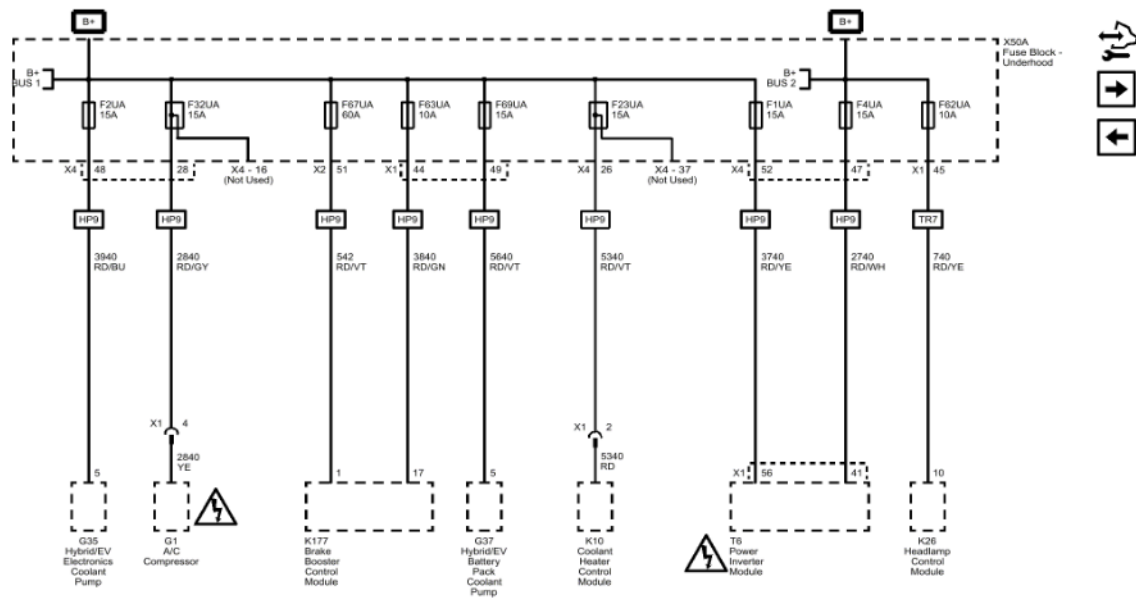


Fig. 6: F11UA, F21UA, F41UA, F23UA, F32UA, F62UA, F63UA, F67UA and F69UA
Courtesy of GENERAL MOTORS COMPANY

F7UA, F8UA, F9UA, F21UA, F46UA, F60UA, F61UA, F66UA, F68UA and F71UA

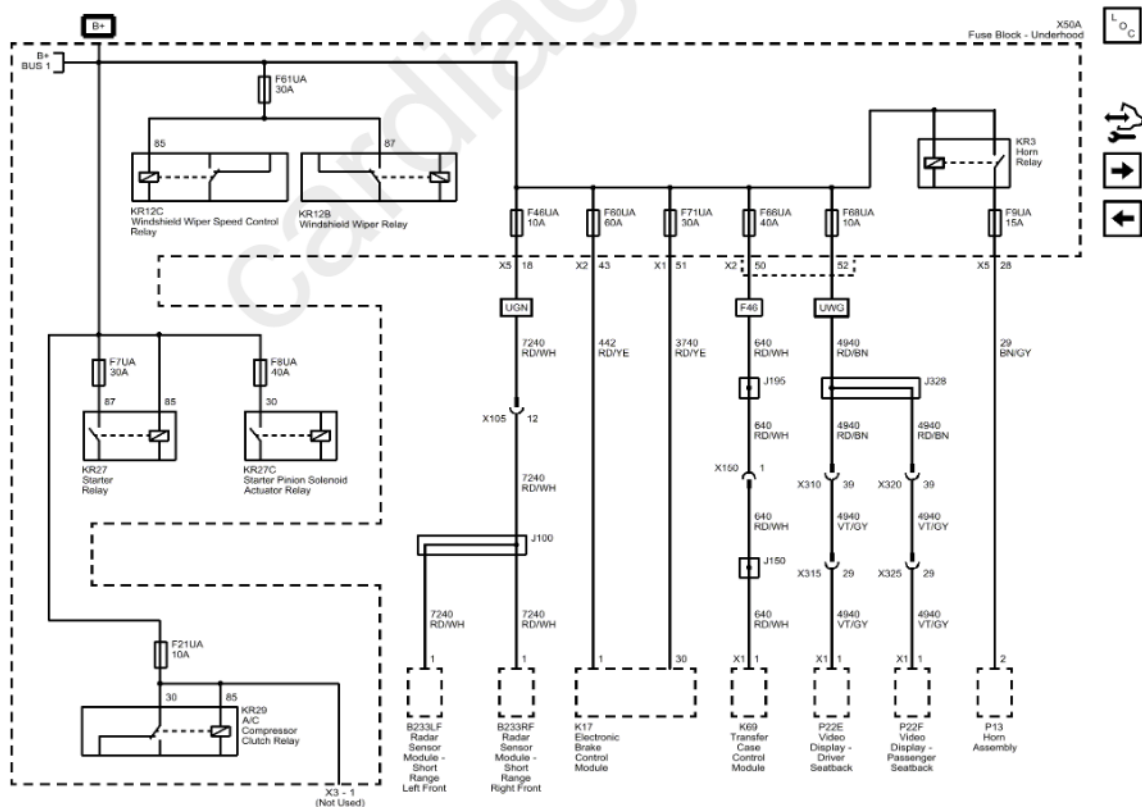


Fig. 7: F7UA, F8UA, F9UA, F21UA, F46UA, F60UA, F61UA, F66UA, F68UA and F71UA
Courtesy of GENERAL MOTORS COMPANY

F13UA, F18UA, F24UA, F31UA, F45UA and F47UA

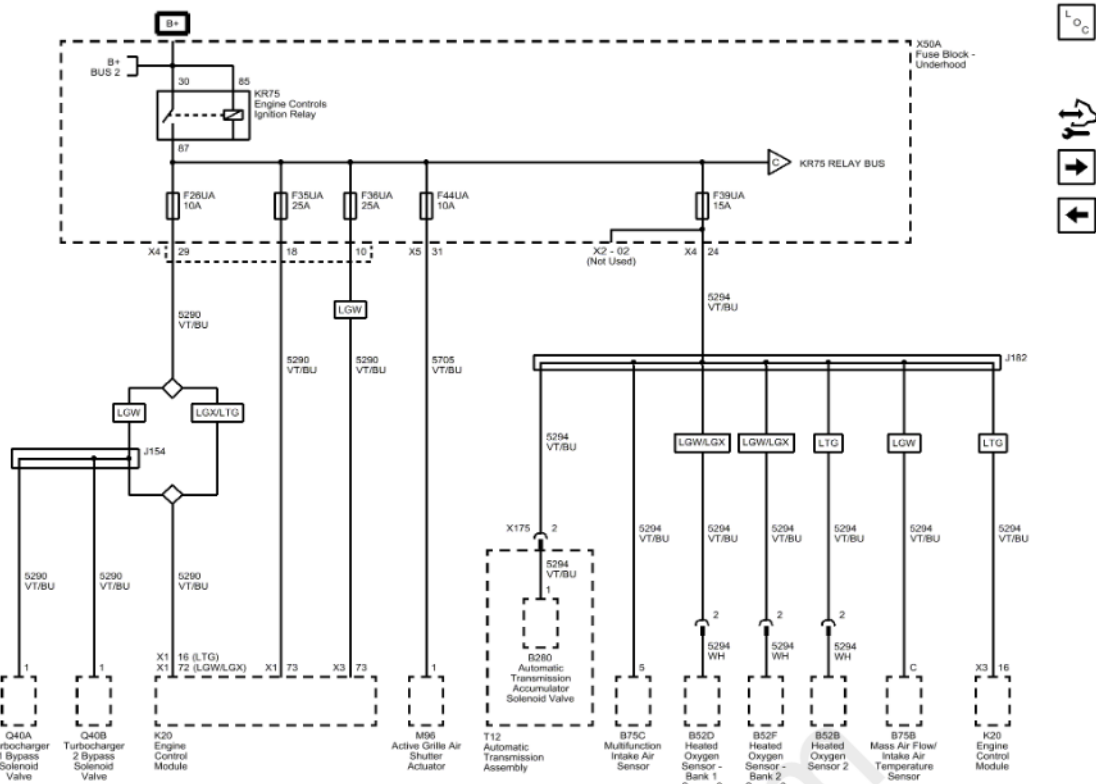


Fig. 10: F26UA, F35UA, F36UA, F39UA and F44UA
 Courtesy of GENERAL MOTORS COMPANY

F37UA and F38UA

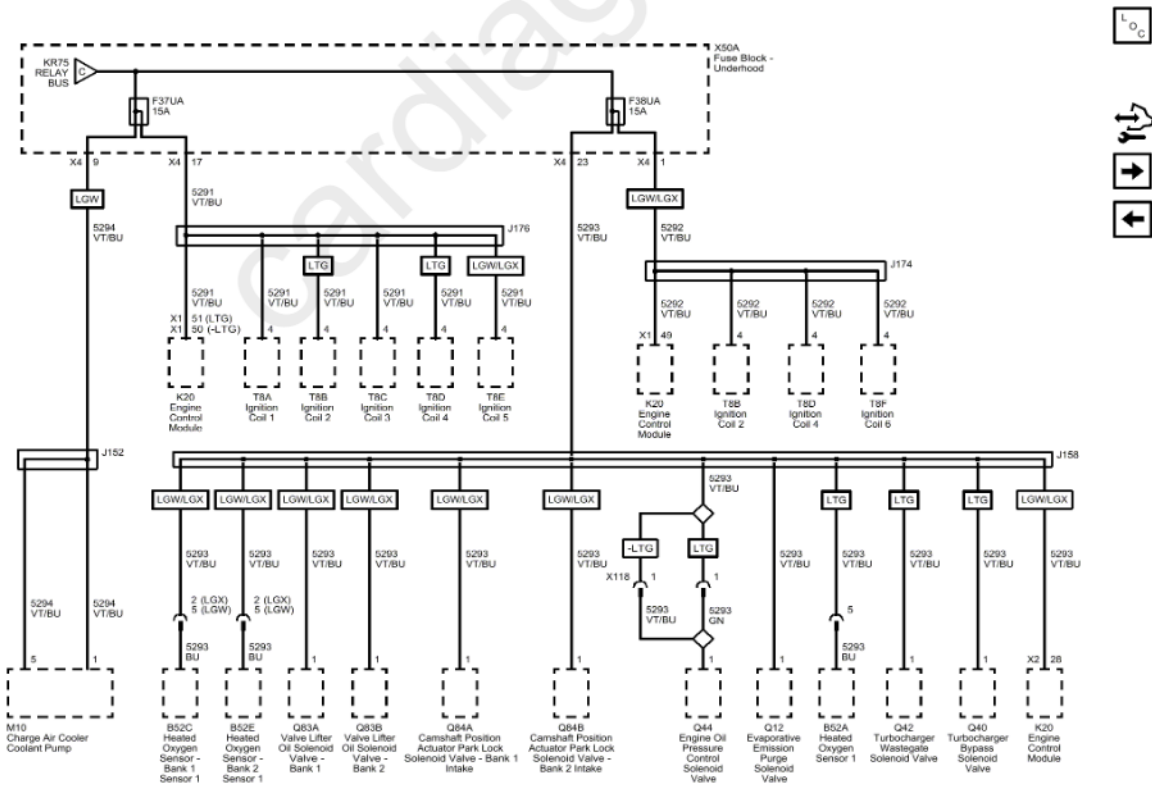
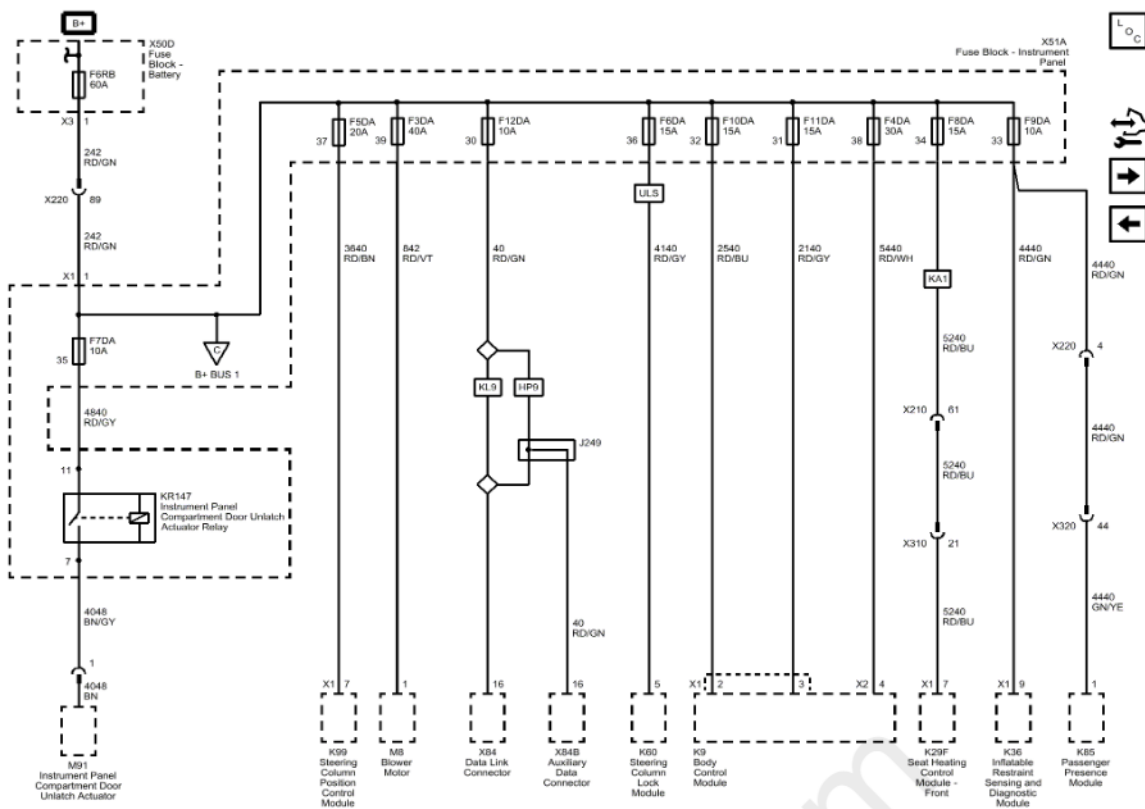


Fig. 11: F37UA and F38UA
 Courtesy of GENERAL MOTORS COMPANY

F3DA, F4DA, F5DA, F6DA, F7DA, F8DA, F9DA, F10DA, F11DA and F12DA



F1DA, F2DA, F27DA, F28DA and F30DA

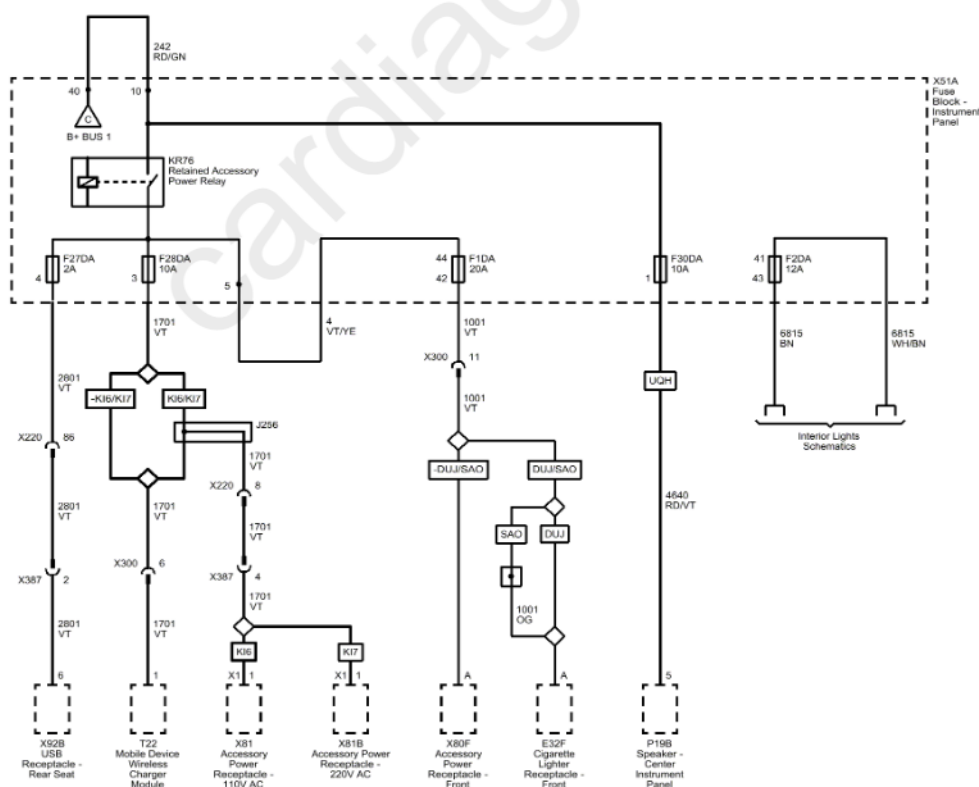


Fig. 13: F1DA, F2DA, F27DA, F28DA and F30DA
 Courtesy of GENERAL MOTORS COMPANY

F15DA, F23DA, F24DA, F25DA and F26DA

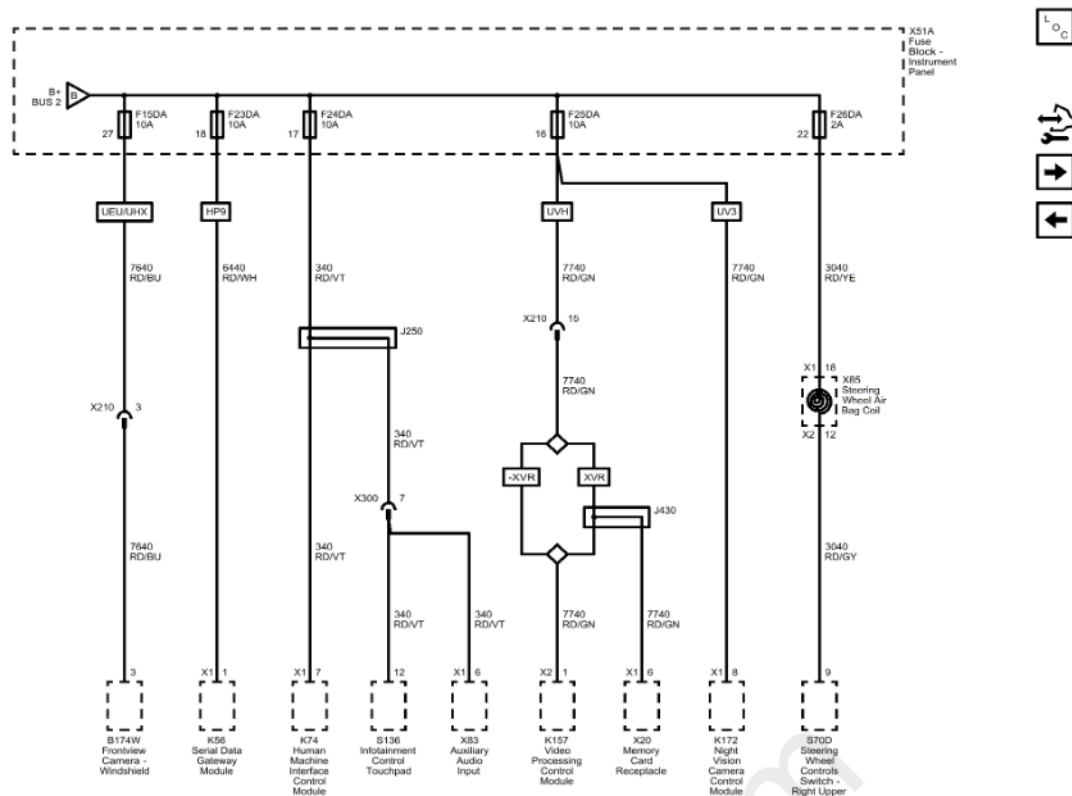


Fig. 14: F15DA, F23DA, F24DA, F25DA and F26DA
Courtesy of GENERAL MOTORS COMPANY

F16DA, F17DA, F18DA and F20DA

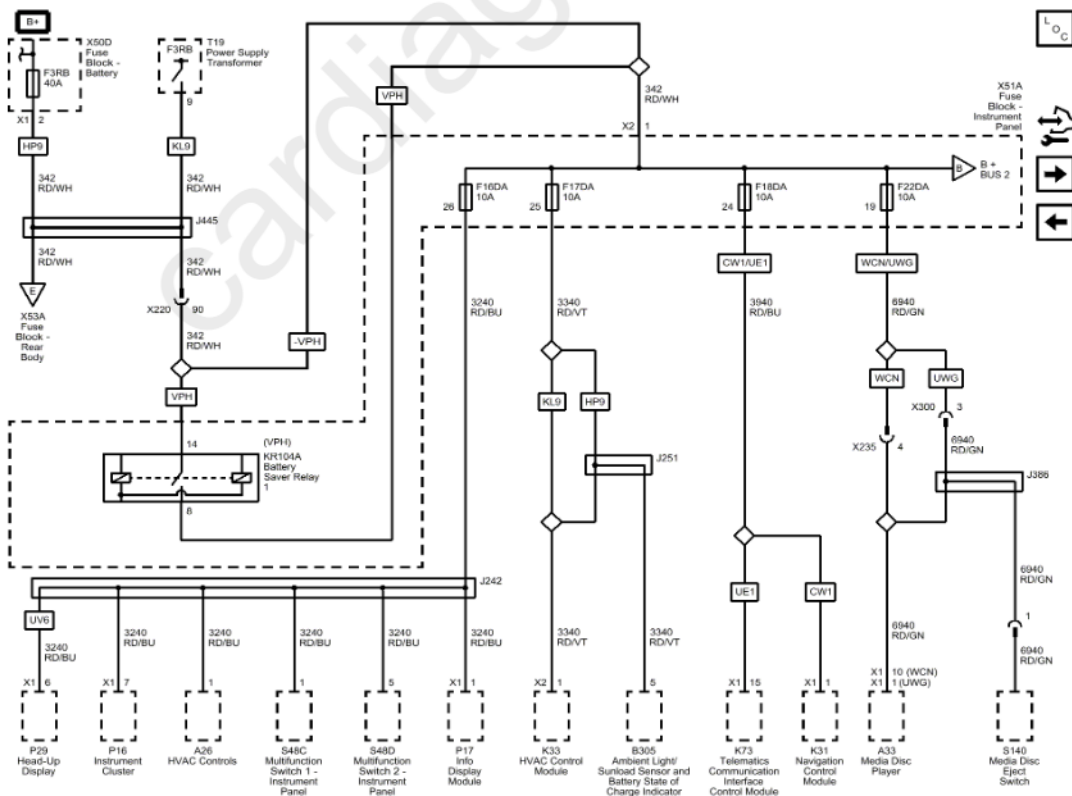


Fig. 15: F16DA, F17DA, F18DA and F20DA
Courtesy of GENERAL MOTORS COMPANY

B+ Bus X53A Fuse Block - Rear Body

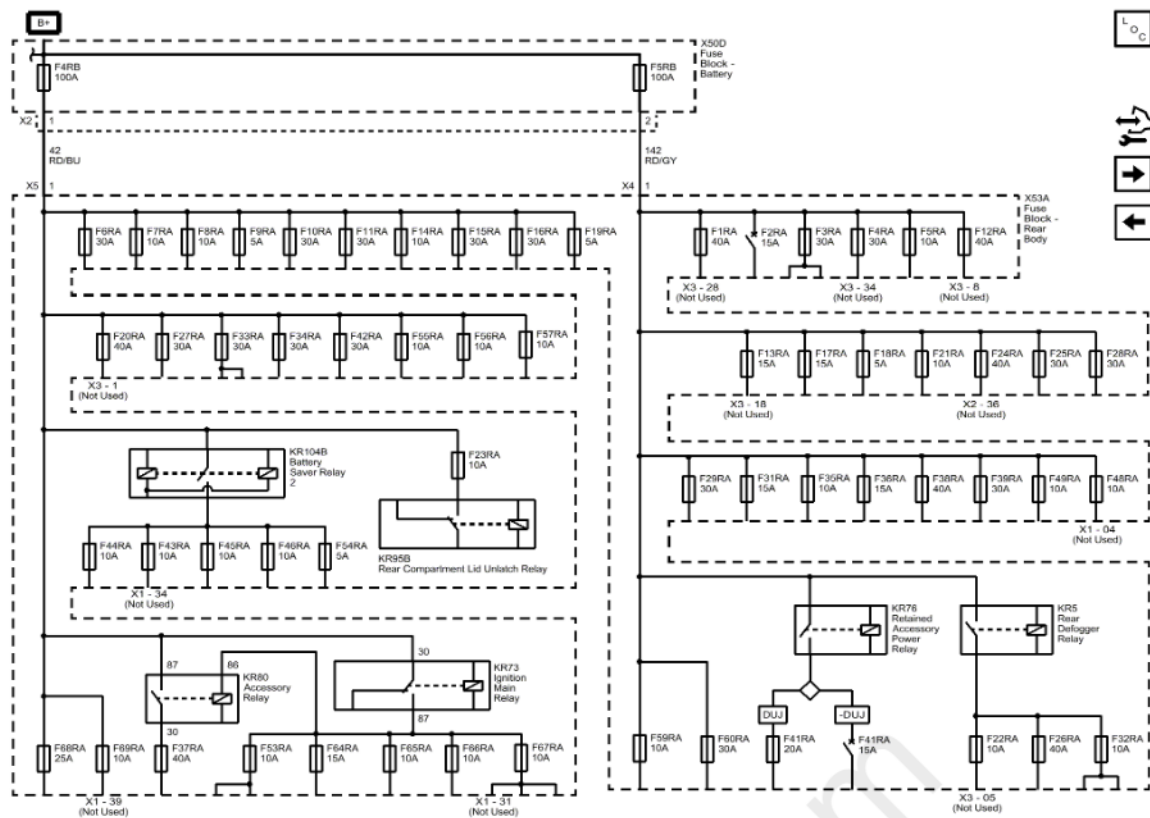


Fig. 16: B+ Bus X53A Fuse Block - Rear Body
Courtesy of GENERAL MOTORS COMPANY

F2RA, F3RA, F5RA, F17RA, F25RA, F28RA, F29RA and F49RA

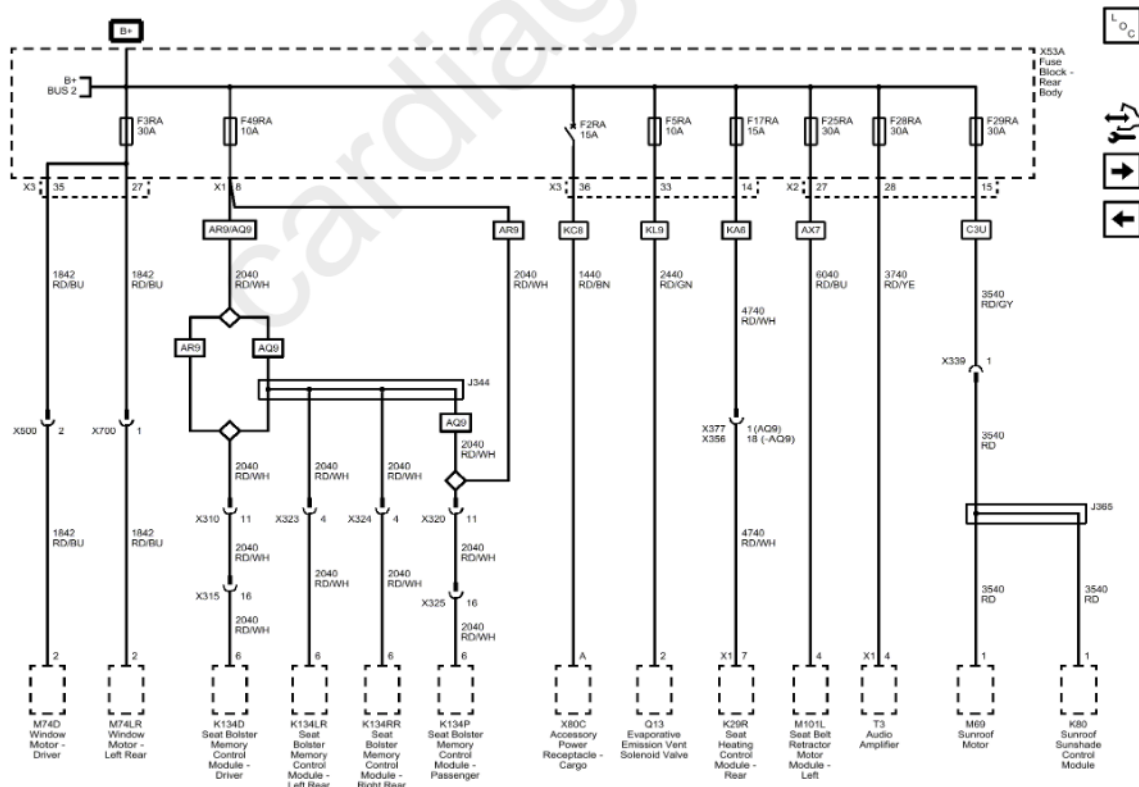


Fig. 17: F2RA, F3RA, F5RA, F17RA, F25RA, F28RA, F29RA and F49RA
Courtesy of GENERAL MOTORS COMPANY

F6RA, F7RA, F8RA, F9RA, F10RA, F14RA and F42RA

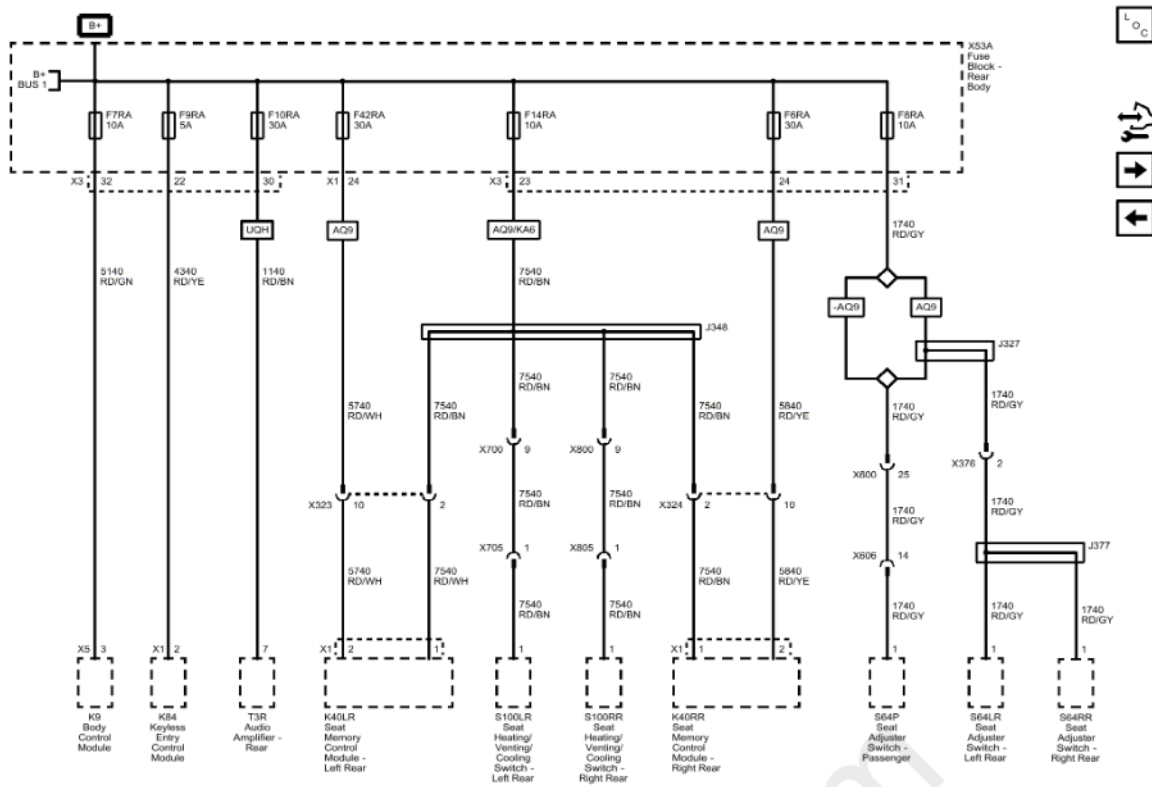


Fig. 18: F6RA, F7RA, F8RA, F9RA, F10RA, F14RA and F42RA
Courtesy of GENERAL MOTORS COMPANY

F11RA, F15RA, F16RA, F19RA, F50RA, F51RA, F52RA, F55RA, F62RA and F63RA

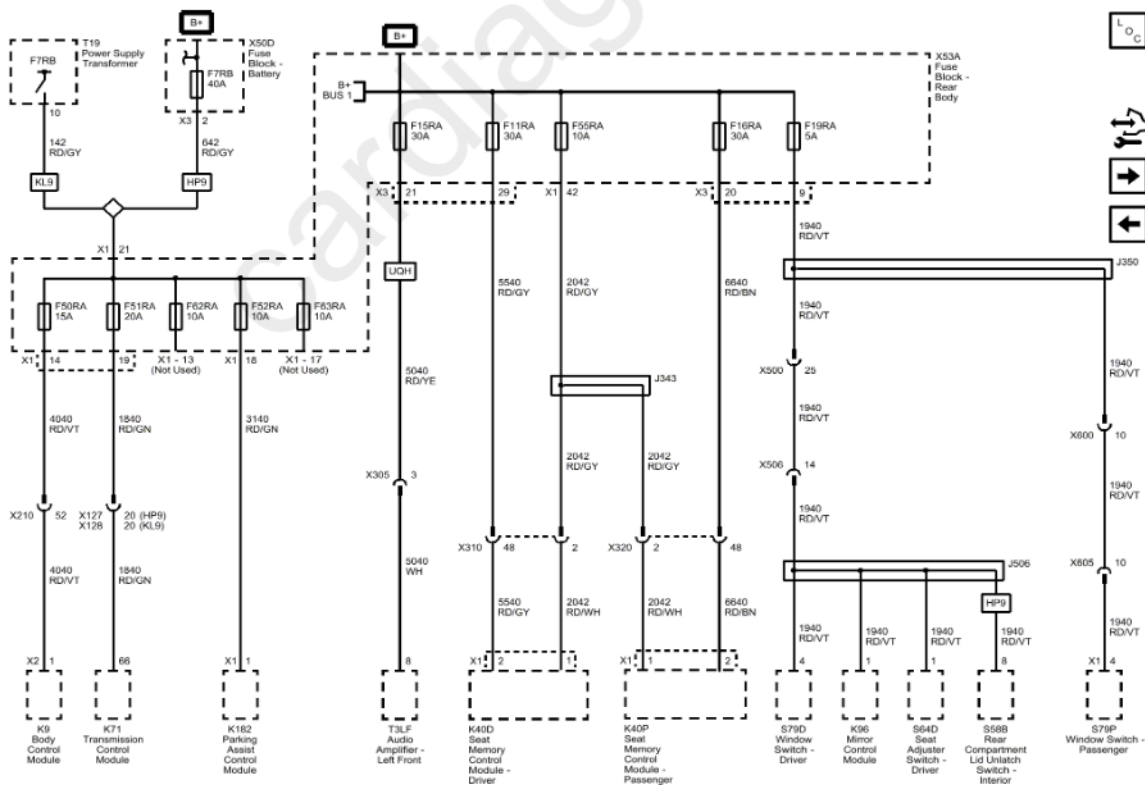


Fig. 19: F11RA, F15RA, F16RA, F19RA, F50RA, F51RA, F52RA, F55RA, F62RA and F63RA
Courtesy of GENERAL MOTORS COMPANY

F18RA, F21RA, F35RA, F36RA and F57RA (HP9)

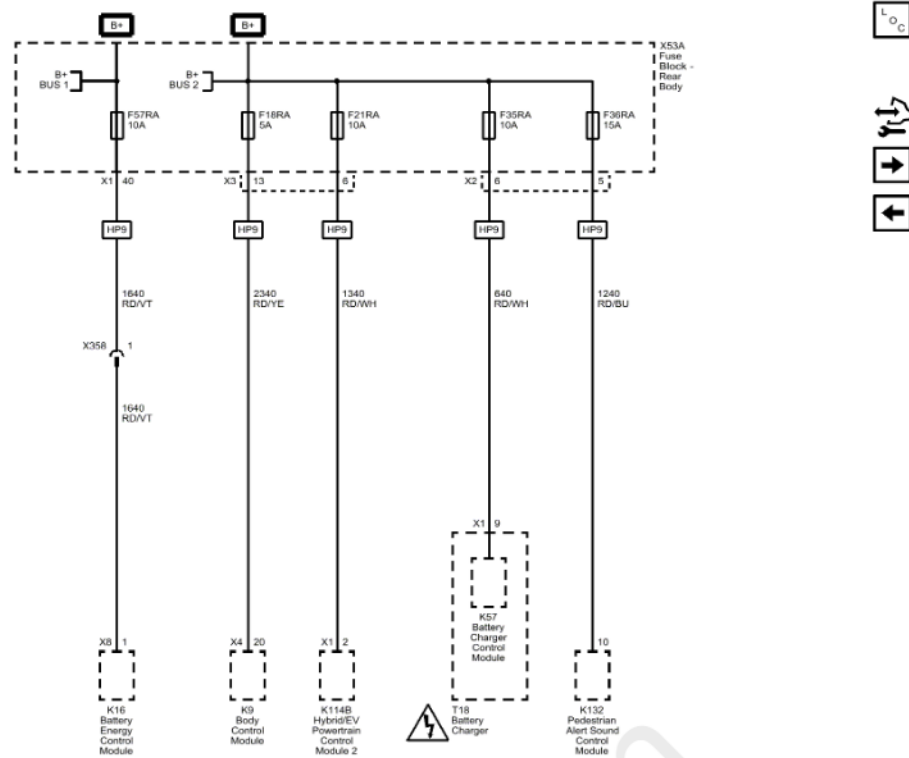


Fig. 20: F18RA, F21RA, F35RA, F36RA and F57RA (HP9)
 Courtesy of GENERAL MOTORS COMPANY

F23RA, F27RA, F30RA, F33RA, F34RA, F37RA, F56RA and F68RA

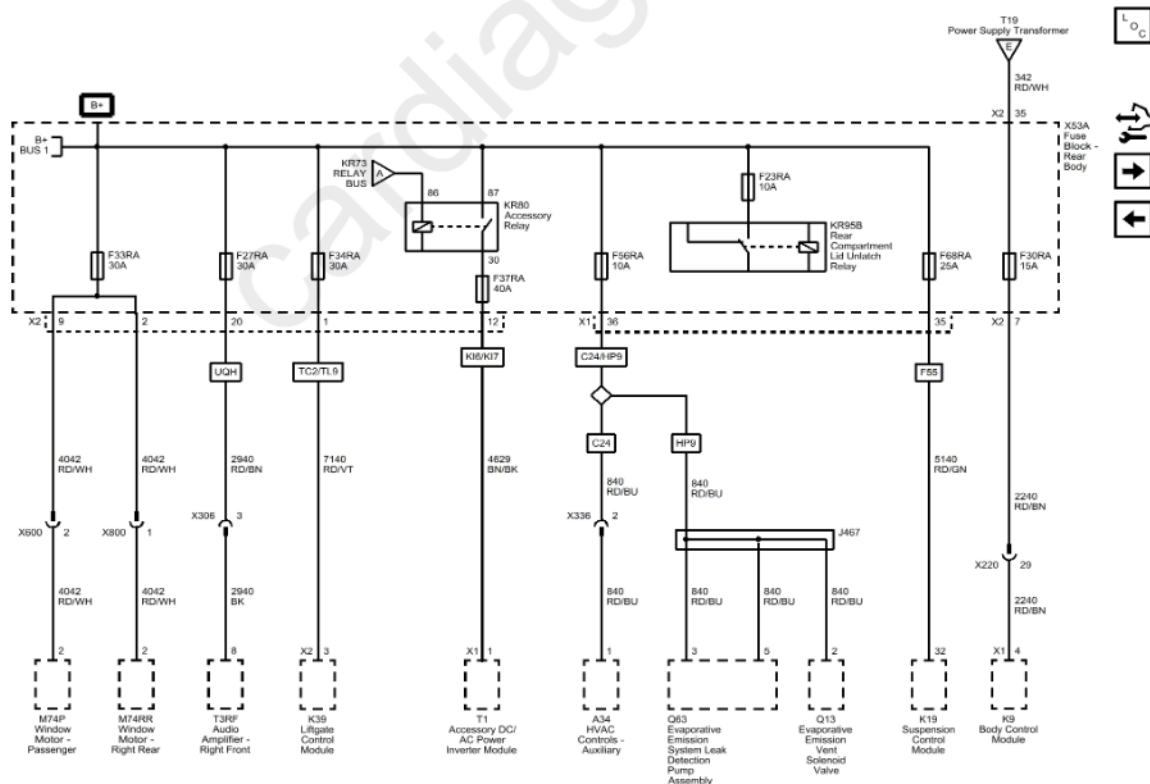


Fig. 21: F23RA, F27RA, F30RA, F33RA, F34RA, F37RA, F56RA and F68RA
 Courtesy of GENERAL MOTORS COMPANY

F26RA, F31RA, F32RA, F38RA, F39RA, F41RA, F59RA and F60RA

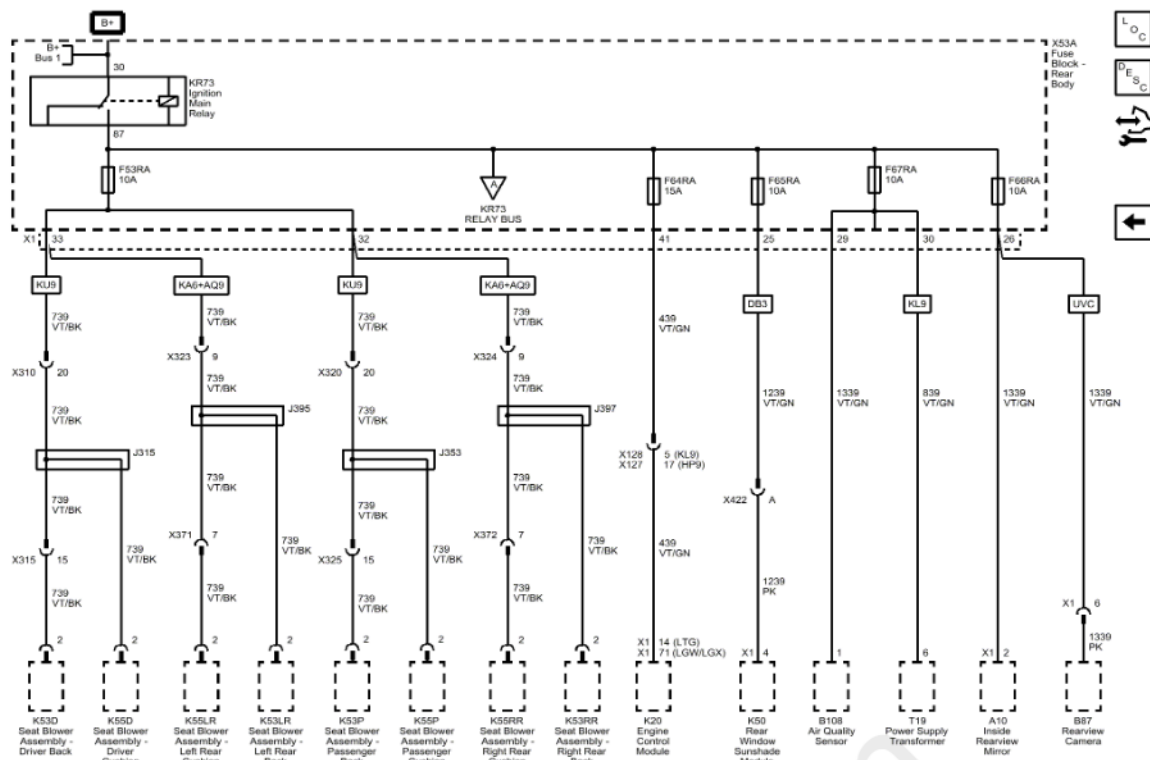


Fig. 24: F53RA, F64RA, F65RA, F66RA and F67RA
 Courtesy of GENERAL MOTORS COMPANY

SCHEMATIC WIRING DIAGRAMS

POWER MODING WIRING SCHEMATICS

Ignition Mode Switch

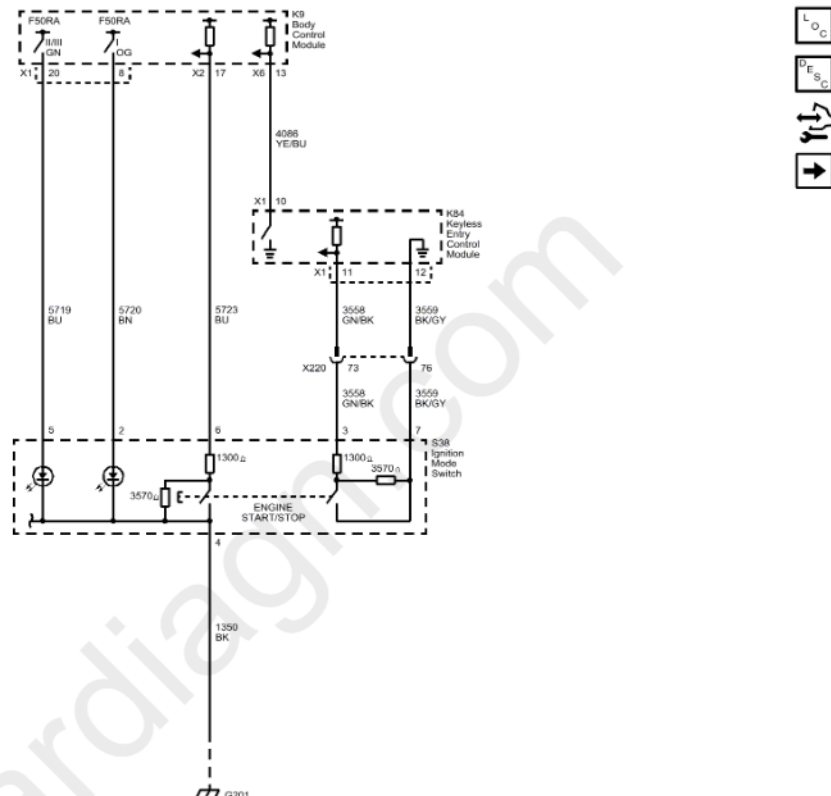


Fig. 1: Ignition Mode Switch

Courtesy of GENERAL MOTORS COMPANY

Retained Accessory Power Relays

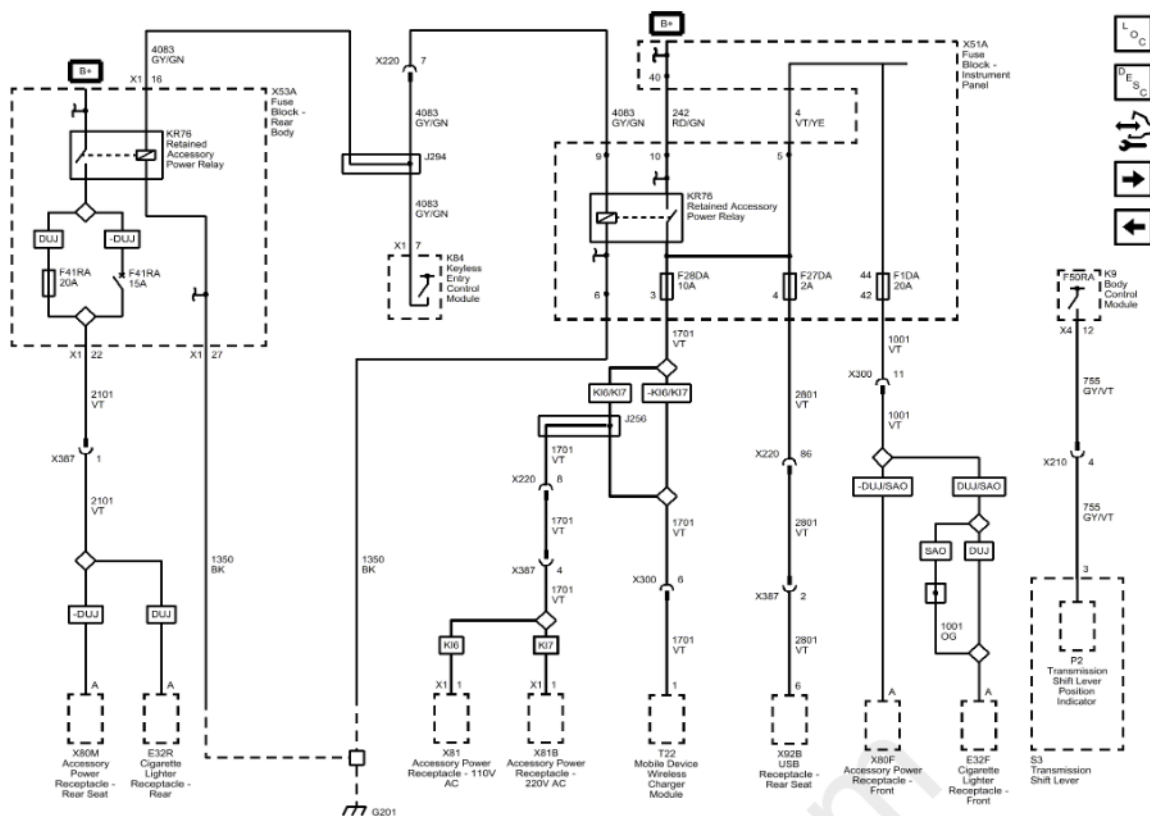


Fig. 2: Retained Accessory Power Relays
Courtesy of GENERAL MOTORS COMPANY

Ignition Power and Ignition Main Relays

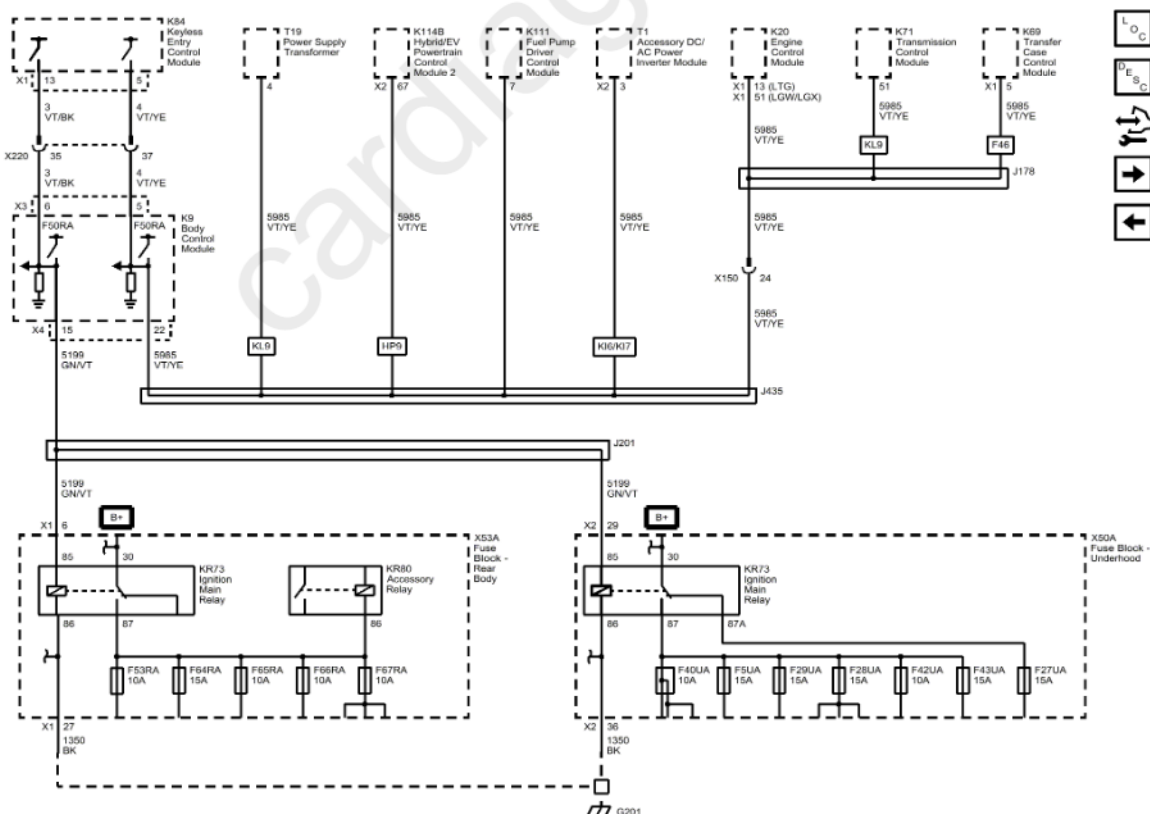


Fig. 3: Ignition Power and Ignition Main Relays
Courtesy of GENERAL MOTORS COMPANY

Battery Saver Relays

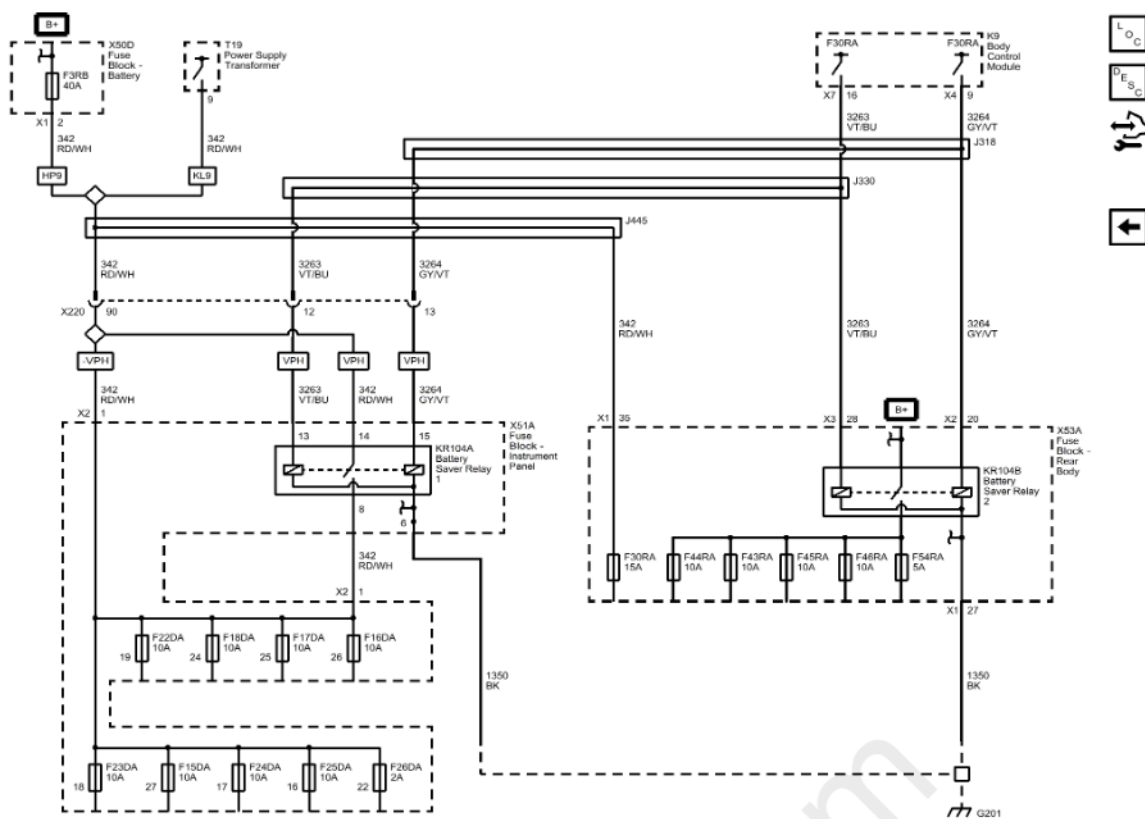


Fig. 4: Battery Saver Relays
 Courtesy of GENERAL MOTORS COMPANY

2017 ELECTRICAL**Wiring Systems and Power Management - Schematic Wiring Diagrams - Schematics
RPO Code List****SCHEMATIC WIRING DIAGRAMS****SCHEMATICS RPO CODE LIST**

RPO	Option Name	Country Group
AL0	SENSOR INDICATOR-INFLATABLE RESTRAINT, FRT PASS/CHILD PRESENCE DETECTOR	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
AQ9	SEAT-FRT BKT, LUXURY	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
AR7	SEAT-FRT BKT, STANDARD	U.S.A., PR and USVI (MAH), Canada (MBC), Mid-East (MAM)
AR9	SEAT-FRT BKT, DELUXE	U.S.A., PR and USVI (MAH), Canada (MBC), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
AX4	RESTRAINT CONVERSION-SEAT, MAN, EUROPEAN	Japan (MAS), Korea (MAW), Russia Group (MBR), Europe Group (MBM)
AX7	RESTRAINT PROVISIONS-AUTOMATIC BELTS, PRE-CRASH, PRE-TIGHTENING	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
AYX	RESTRAINT SYSTEM-SEAT, INFLATABLE, DRIVER and PASS FRT, FRT SEAT SIDE, ROOF SIDE, KNEE	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
B3T	HOOD-ACTIVE, PEDESTRIAN PROTECTION	Japan (MAS), Korea (MAW), Russia Group (MBR), Europe Group (MBM)
B7G	PLATE-DOOR SILL COVER, ILLUMINATED	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
BAG	PARTS PKG-EXPORT	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
BTB	REMOTE START-ENGINE	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
C24	HVAC SYSTEM-AIR CONDITIONER, FRT and RR ELECTRONIC CONTROLS, QUAD ZONE	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
C3U	ROOF-SUN, GLASS, SLIDING, ELEC, TRANSPARENT GLASS FIXED	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)

RPO	Option Name	Country Group
CJ2	HVAC SYSTEM-AIR CONDITIONER FRT, AUTO TEMP CONT, AUX TEMP CONT	U.S.A., PR and USVI (MAH), Canada (MBC), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
CK2	COUNTRY-YEMEN	Japan (MAS), Mid-East (MAM)
CT1	COUNTRY-BELGIUM	Japan (MAS), Europe Group (MBM)
CT2	COUNTRY-AUSTRIA	Japan (MAS), Europe Group (MBM)
CT3	COUNTRY-GERMANY	Japan (MAS), Europe Group (MBM)
CT5	COUNTRY-NETHERLANDS	Japan (MAS), Europe Group (MBM)
CT6	COUNTRY-ITALY	Japan (MAS), Europe Group (MBM)
CT9	COUNTRY-SPAIN	Japan (MAS), Europe Group (MBM)
CU0	COUNTRY-UKRAINE	Japan (MAS), Europe Group (MBM)
CU3	COUNTRY-FRANCE	Japan (MAS), Europe Group (MBM)
CU4	COUNTRY-SWEDEN	Japan (MAS), Europe Group (MBM)
CU5	COUNTRY-SWITZERLAND	Japan (MAS), Europe Group (MBM)
CU7	COUNTRY-KUWAIT	Japan (MAS), Mid-East (MAM)
CU8	COUNTRY-SAUDI ARABIA	Japan (MAS), Mid-East (MAM)
CU9	COUNTRY-UNITED KINGDOM	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
CV4	COUNTRY-ISRAEL	Japan (MAS), Israel (MBI)
CV5	COUNTRY-JAPAN	Japan (MAS)
CV8	COUNTRY-IRAQ	Japan (MAS), Mid-East (MAM)
CW1	COUNTRY-KOREA	Japan (MAS), Korea (MAW)
CWA	WASHER-CAMERA, REAR	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
CX9	COUNTRY-LEBANON	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
CY2	COUNTRY-JORDAN	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
CZ2	COUNTRY-CHINA	Japan (MAS)
CZ3	COUNTRY-RUSSIA	Japan (MAS), Korea (MAW), Israel (MBI), Russia Group (MBR)
D3S	COUNTRY-QATAR	Japan (MAS), Mid-East (MAM)
D4C	COUNTRY-BAHRAIN	Japan (MAS), Mid-East (MAM)
D5P	COUNTRY-UNITED ARABIC EMIRATES	Japan (MAS), Mid-East (MAM)
DD8	MIRROR I/S R/V-LT SENSITIVE	U.S.A., PR and USVI (MAH), Canada (MBC), Mid-East (MAM)
DNP	MIRROR O/S-LH and RH, REM CONTROL, ELECTRIC, HEATED, PWR FOLDING, TURN SIG IND, LT SENSITIVE/DRIVER, COLOR	U.S.A., PR and USVI (MAH), Canada (MBC), Israel (MBI)
DRZ	MIRROR I/S R/V-LT SENSITIVE, FULL VIDEO DISPLAY	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)

RPO	Option Name	Country Group
DUJ	ASHTRAY-SMOKER'S PACKAGE	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
DWK	MIRROR O/S-LH and RH, RC, ELEC, HEAT, FLAT/DRVR, MANFOLD, CNVX/PASS, TURN SIG IND	U.S.A., PR and USVI (MAH), Canada (MBC)
DWR	MIRROR O/S-LH and RH, RC, ELEC, HEAT, AUX WFOV/DRVR, PWRFOLD, LT SENS DRVR, CNVX/PASS, TURN SIG IND, PERM LIGHT	Japan (MAS), Korea (MAW), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
DWW	MIRROR O/S-LH and RH, RC, ELEC, HEAT, AUX WFOV/DRVR, PWRFOLD, CNVX/PASS, TURN SIG IND	Mid-East (MAM)
E6H	COUNTRY-OMAN	Japan (MAS), Mid-East (MAM)
EF7	COUNTRY-UNITED STATES OF AMERICA (USA)	U.S.A., PR and USVI (MAH), Japan (MAS)
EXP	EXPORT-	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
F46	CHASSIS DRIVE LINE-ALL WHEEL DRIVE (AWD)/FOUR WHEEL DRIVE(4WD)	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
F55	CHASSIS-CONTINUOUSLY VARIABLE REAL TIME DAMPING MAGNETO RHEOLOGICAL	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
FE9	CERTIFICATION-EMISSION, FEDERAL	U.S.A., PR and USVI (MAH), Canada (MBC), Israel (MBI)
HP9	ELECTRIFIED PROPULS-ELECTRIC, PHEV, GEN 2, RWD	U.S.A., PR and USVI (MAH), Canada (MBC)
HS1	ALERT-SAFETY HAPTIC SEAT	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
IO5	RADIO-INFOTAINMENT SYSTEM - UPLEVEL HMI, ENHANCED CONNECTIVITY	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Mid-East (MAM)
IO6	RADIO-INFOTAINMENT SYSTEM - UPLEVEL HMI, ENHANCED CONNECTIVITY, EMBEDDED NAVIGATION	U.S.A., PR and USVI (MAH), Canada (MBC), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
K05	HEATER ENG-BLOCK	U.S.A., PR and USVI (MAH), Canada (MBC)
K34	CRUISE CONTROL-AUTOMATIC, ELECTRONIC	U.S.A., PR and USVI (MAH), Canada (MBC), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
KA1	HEATER SEAT FRT-DRVR and PASS	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
KA6	HEATER SEAT-REAR	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)

RPO	Option Name	Country Group
KC4	COOLING SYSTEM-ENG OIL	U.S.A., PR and USVI (MAH), Canada (MBC), Mid-East (MAM)
KC7	RECEPTACLE-ELECTRICAL, RR SEAT	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
KC8	RECEPTACLE-ELECTRICAL, LOAD COMPARTMENT	U.S.A., PR and USVI (MAH), Canada (MBC)
KEM	EQUIPMENT-INTR, AIR CLEANER, IONIZING	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
KI3	STEERING WHEEL HEAT-AUTOMATIC	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
KI7	RECEPTACLE-ELECTRICAL, FRT CONSOLE RR 230 VOLT	Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
KL9	ENG CONTROL-STOP/START SYS, CONVENTIONAL AT, CONVENTIONAL MT OR BRAKE RELEASE LATE RESTART	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
KRV	REFRIGERANT-LOW GWP	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
KSG	CRUISE CONTROL-AUTOMATIC, ADAPTIVE, WITH STOP/GO	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
KU9	VENTILATED SEAT FRT-DRVR and PASS	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
LGW	ENGINE-GAS, 6 CYL, 3.0L, V6, DI, DOHC, VVT, ALUM, TWIN TURBO, GEN 2	U.S.A., PR and USVI (MAH), Canada (MBC), Mid-East (MAM), Europe Group (MBM)
LGX	ENGINE-GAS, 6 CYL, 3.6L, V6, DI, DOHC, VVT, ALUM, GEN 2	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR)
LTG	ENGINE-GAS, 4 CYL, 2.0L, SIDI, L4, ALUM DOHC, VVT, DCVCP, TURBO, E0-E100, ALUM	U.S.A., PR and USVI (MAH), Canada (MBC), Korea (MAW)
M5N	TRANSMISSION-AUTO 8 SPD, 8L45, BAS+	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR)
M5X	TRANSMISSION-AUTO 8 SPD, 8L90, BAS+	U.S.A., PR and USVI (MAH), Canada (MBC), Mid-East (MAM), Europe Group (MBM)
MRD	TRANSMISSION-AUTO, ELECTRONIC RATIO SELECT, GM, GEN 2, 4-MODE HYBRID, RWD, PLUG IN	U.S.A., PR and USVI (MAH), Canada (MBC)
S0M	ACCESSORY-ILLUMINATED DOOR SILLS	U.S.A., PR and USVI (MAH), Canada (MBC)

RPO	Option Name	Country Group
SAO	ACCESSORY-SMOKERS PACKAGE	U.S.A., PR and USVI (MAH), Canada (MBC)
T61	LAMP SYSTEM-DAYTIME RUNNING	U.S.A., PR and USVI (MAH), Canada (MBC), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
T79	LAMP-FOG, RR	Japan (MAS), Korea (MAW), Russia Group (MBR), Europe Group (MBM)
T94	CONTROL, HEADLAMPS-LH RULE OF THE ROAD	Japan (MAS), Europe Group (MBM)
TC2	BODY EQUIPMENT-LIFT GATE, POWER, HANDS FREE	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
TDM	MODE-TEEN DRIVER SETTINGS	U.S.A., PR and USVI (MAH), Canada (MBC)
TL9	BODY EQUIPMENT-DECKLID (POWER)	U.S.A., PR and USVI (MAH), Canada (MBC)
TQ5	HEADLAMP HIGH BEAM-AUTO CONTROL	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
TR7	CONTROL, HEADLAMPS-LEVELING SYSTEM, AUTOMATIC	Japan (MAS), Korea (MAW), Israel (MBI), Russia Group (MBR), Europe Group (MBM)
TVN	LAMP-TAIL and STOP, ECE	Japan (MAS), Korea (MAW), Russia Group (MBR), Europe Group (MBM)
U19	SPEEDOMETER-INST, KILO and MILES, KILO ODOMETER	Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
U2M	DIGITAL AUDIO SYSTEM-S-BAND AND HD (DO NOT USE NEXT, NEW MAJOR)	U.S.A., PR and USVI (MAH), Canada (MBC)
U2Q	DIGITAL AUDIO SYSTEM-INTEGRATED TYPE DAB/DAB+/DMB-R	Europe Group (MBM)
UDV	DISPLAY INSTRUMENT-DRIVER INFO ENHANCED, FULL CLUSTER (MULTI COLOR GRAPHIC)	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
UE1	COMMUNICATION SYSTEM-VEHICLE, ONSTAR	U.S.A., PR and USVI (MAH), Canada (MBC), Europe Group (MBM)
UE4	SENSOR INDICATOR-FOLLOWING DISTANCE	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
UEU	SENSOR INDICATOR-FORWARD COLLISION ALERT	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
UFG	SENSOR INDICATOR-REAR CROSS TRAFFIC ALERT	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)

RPO	Option Name	Country Group
UG1	OPENER-GARAGE DOOR, UNIVERSAL	U.S.A., PR and USVI (MAH), Canada (MBC), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
UGE	LAMP-RR TAIL, LED	U.S.A., PR and USVI (MAH), Canada (MBC), Israel (MBI), Mid-East (MAM)
UGN	COLL IMMINENT BRK-ALL SPEED, VEH FWD MOVEMENT, BRAKE PREFILL, INTEGRATED BRAKE ASSIST	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
UHS	DISPLAY INSTRUMENT-DRIVER INFO ENHANCED (MULTI COLOR ENHANCED GRAPHIC)	U.S.A., PR and USVI (MAH), Canada (MBC), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
UHX	LANE ACTIVE SAFETY-KEEP ASSIST	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
UHY	COLL IMMINENT BRK-LOW SPEED, VEH FWD MOVEMENT, BRAKE PREFILL, INTEGRATED BRAKE ASSIST	U.S.A., PR and USVI (MAH), Canada (MBC), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
UI3	COMMUNICATION SYSTEM-VEHICLE, ERA GLONASS	Russia Group (MBR)
UKC	SIDE ACTIVE SAFETY-OBSTACLE DETECTION ENHANCED	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
UKJ	PED DETECTION FRT-BASIC, PEDESTRIANS	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
UKL	LANE ACTIVE SAFETY-HANDS-FREE LANE FOLLOWING	U.S.A., PR and USVI (MAH), Canada (MBC)
UQA	SPEAKER SYSTEM-PREMIUM AUDIO, BRANDED AMPLIFIER	U.S.A., PR and USVI (MAH), Canada (MBC), Mid-East (MAM)
UQH	SPEAKER SYSTEM-PREMIUM AUDIOFILE AUDIO, BRANDED SURROUND AMPLIFIER	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
UQS	SPEAKER SYSTEM-PREMIUM AUDIO, BRANDED SURROUND AMPLIFIER	U.S.A., PR and USVI (MAH), Canada (MBC), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
UTU	SENSOR, VEHICLE-INCLINATION	U.S.A., PR and USVI (MAH), Canada (MBC), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
UTV	SENSOR, VEHICLE-INTERIOR MOVEMENT	U.S.A., PR and USVI (MAH), Canada (MBC), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
UV3	CAMERA-ENHANCED VISION, INFRARED	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)

RPO	Option Name	Country Group
UVH	VISION-360 VIEW, MONO, ANALOG	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
UVX	SENSOR INDICATOR-TRAFFIC SIGN RECOGNITION ENHANCED	Europe Group (MBM)
UVZ	SENSOR-COLLISION AVOIDANCE and MITIGATION, VEHICLE REVERSE MOVEMENT	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
UWG	ENTERTAINMENT PKG-RR SEAT, DUAL DISO, REM CONT, AUX JACK, 2WIRELESS DUAL CHAN HEADPHO, OPT DR' 'DO NOT USE'15SE14 VDS SME	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
VHM	PROGNOSTIC SYSTEM-VEHICLE HEALTH MANAGEMENT	U.S.A., PR and USVI (MAH), Canada (MBC)
VPH	VEHICLE PREPARATION-OVERSEAS DELIVERY	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
W0A	ACCESSORY-MAT - TRUNK / CARGO AREA - CARPET	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)
XVR	RECORDER-EXTERIOR VIDEO, MULTI-VIEW CAMERAS	U.S.A., PR and USVI (MAH)
Z49	COUNTRY-CANADA	Canada (MBC), Japan (MAS)
ZCD	TIRE SPARE-T135/70R18 SL 104M BW SPR	U.S.A., PR and USVI (MAH), Canada (MBC), Japan (MAS), Korea (MAW), Israel (MBI), Mid-East (MAM), Russia Group (MBR), Europe Group (MBM)

2017 ELECTRICAL

Wiring Systems and Power Management - Schematic Wiring Diagrams - Vehicle Zoning Strategy - CT6

SCHEMATIC WIRING DIAGRAMS

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.

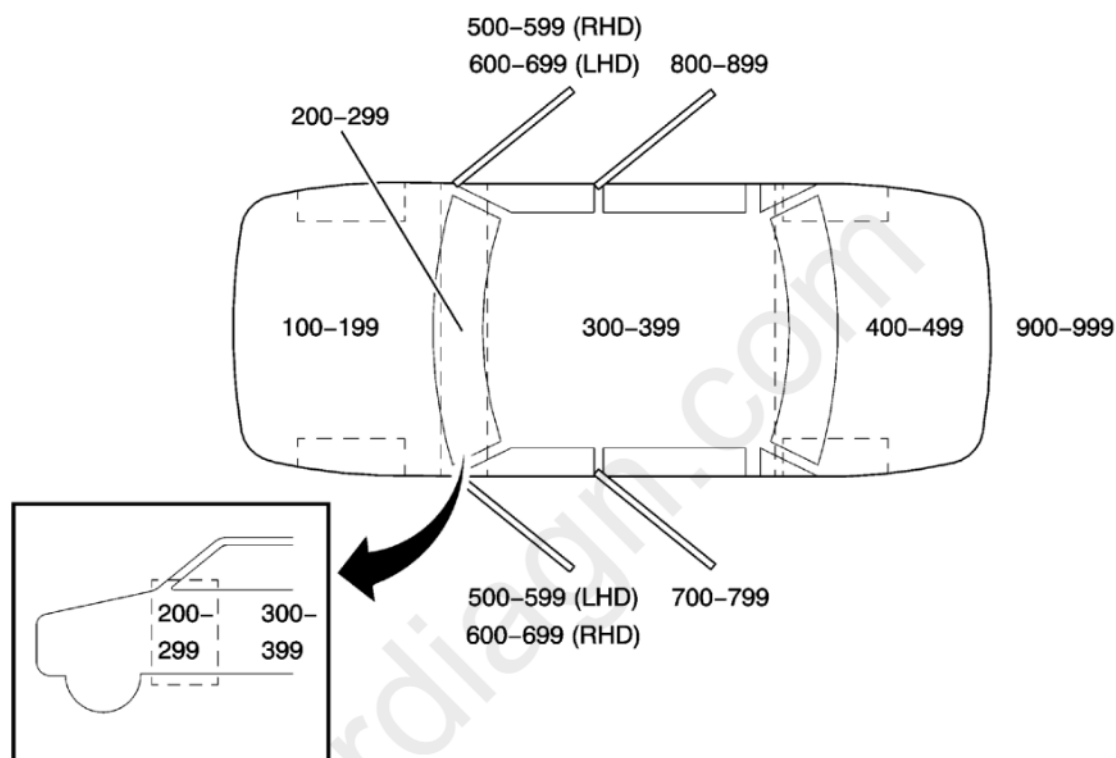


Fig. 1: Passenger Car Zoning View

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 instrument panel to the back of the rear seats)
400-499	Luggage compartment (from the back of the rear seats 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 luggage compartment lid or hatch

cardiagn.com