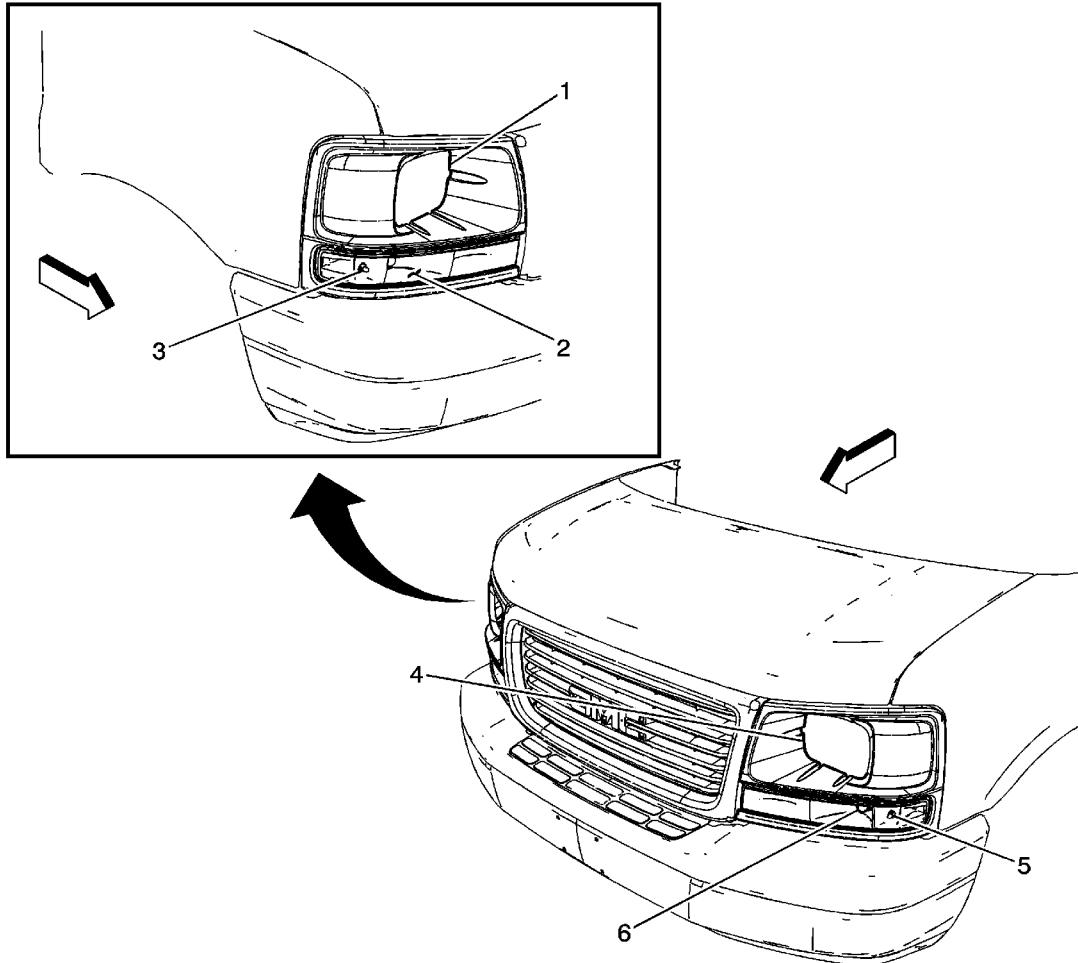


## Fastener Tightening Specifications

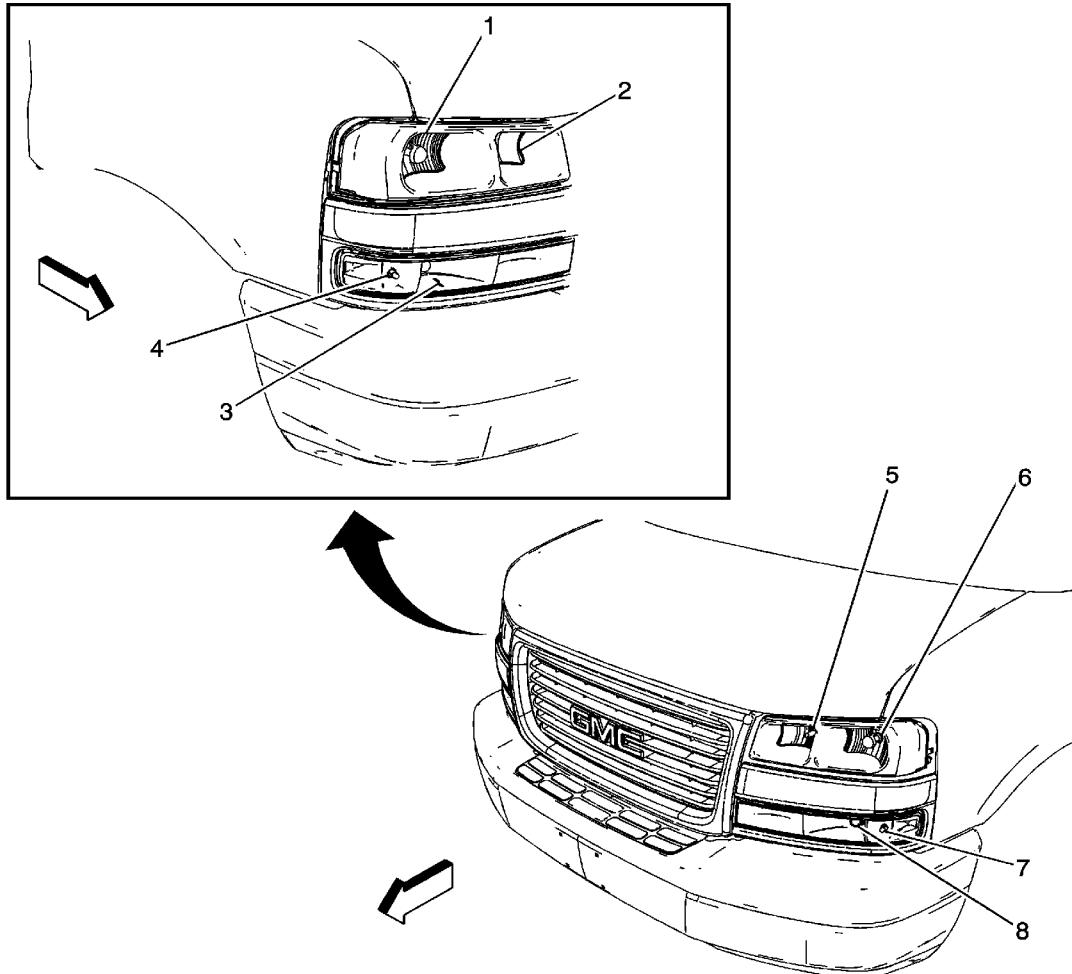
Application	Specification	
	Metric	English
Body Wiring Harness Junction Block Base to Body Nuts	5 N·m	44 lb in
Ignition Lock Cylinder Case Screw	7 N·m	62 lb in
Positive Battery Cable to Body Wiring Harness Junction Block Nut	10 N·m	89 lb in
Wiring Harness Junction Block to Electrical Harness Caged Bolts	5 N·m	44 lb in

## Front Exterior Lighting (Base)



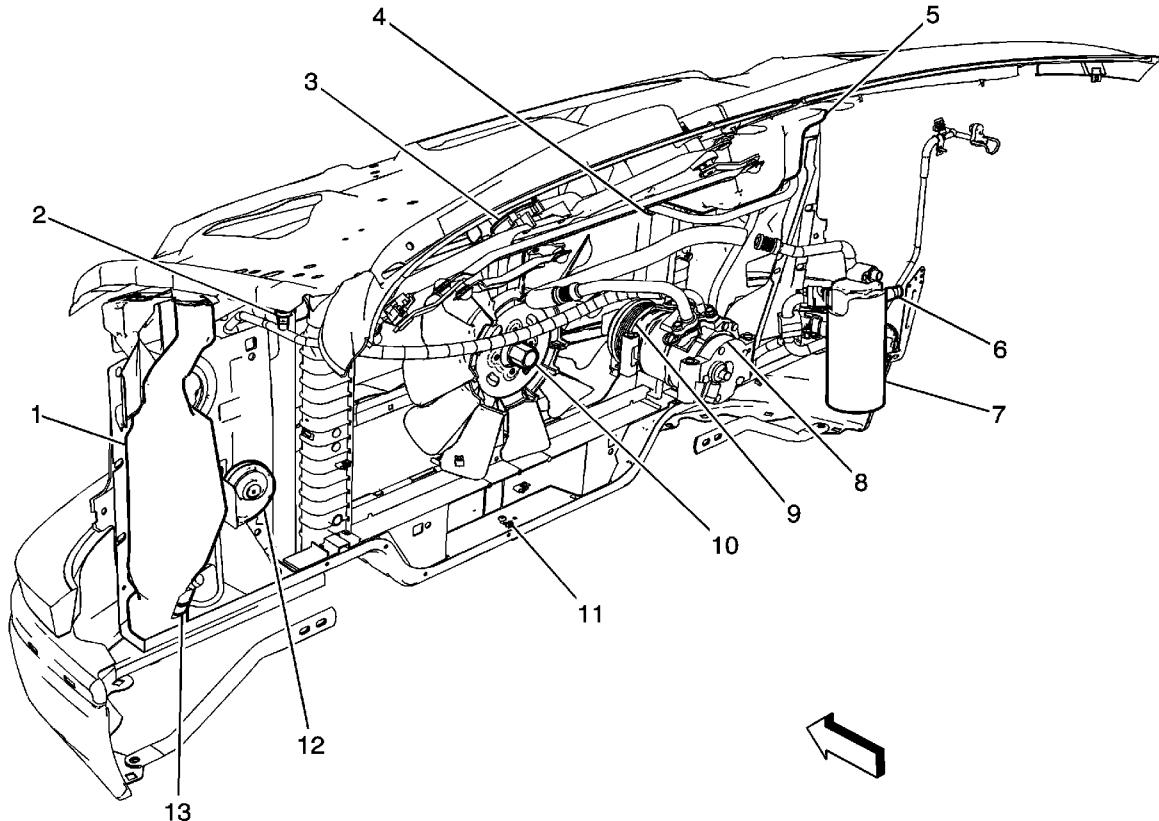
- (1) Headlamp - Right (Sealed)
- (2) Park/Turn Signal Lamp - Right Front
- (3) Marker Lamp - Right Front
- (4) Headlamp - Left (Sealed)
- (5) Marker Lamp - Left Front
- (6) Park/Turn Signal Lamp - Left Front

## Front Exterior Lighting (Uplevel)



- (1) Headlamp - Right Low Beam (Composite)
- (2) Headlamp - Right High Beam (Composite)
- (3) Park/Turn Signal Lamp - Right Front
- (4) Marker Lamp - Right Front
- (5) Headlamp - Left High Beam (Composite)
- (6) Headlamp - Left Low Beam (Composite)
- (7) Marker Lamp - Left Front
- (8) Park/Turn Signal Lamp - Left Front

## Front of Engine Compartment

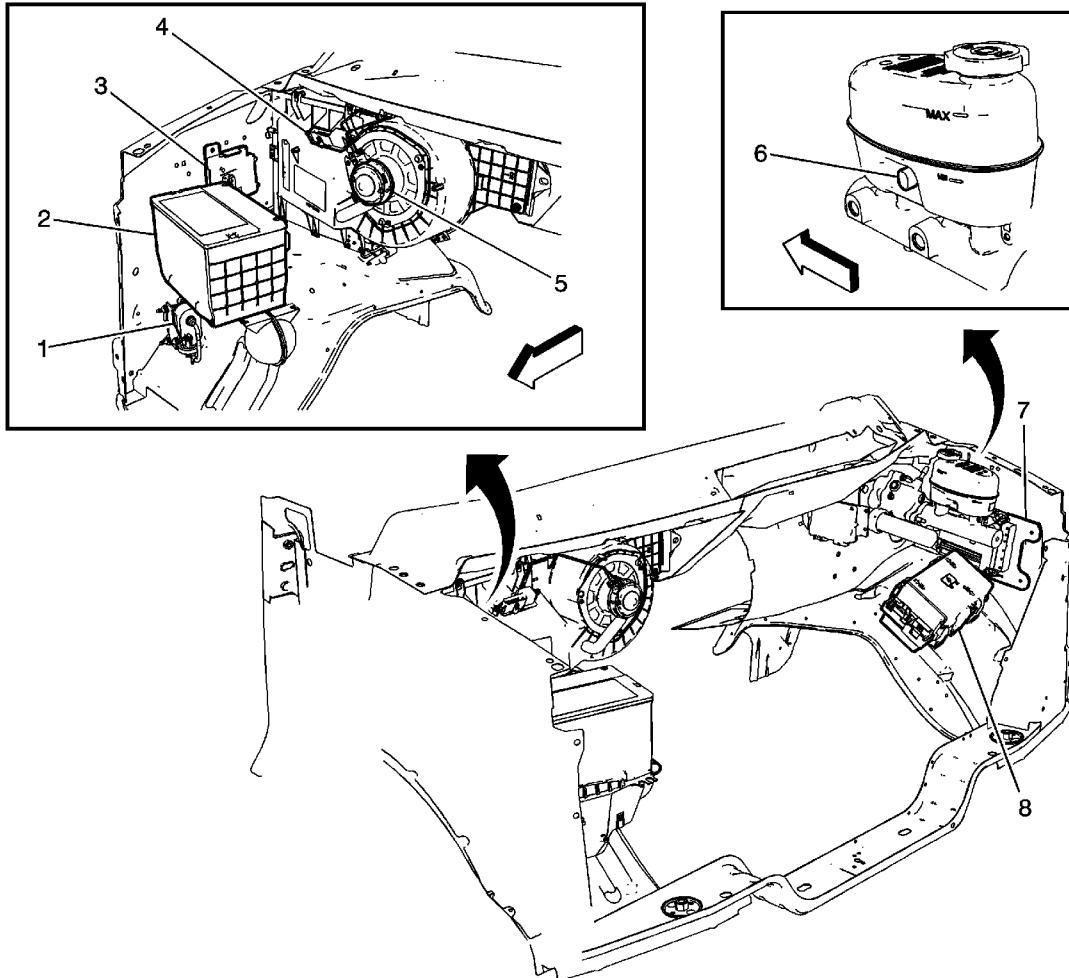


- (1) Windshield Washer Solvent Container
- (2) A/C Refrigerent Pressure Sensor (C60)
- (3) Windshield Wiper Motor
- (4) Engine Coolant Level Switch (6.6L)
- (5) Coolant Surge Tank
- (6) A/C Low Pressure Switch (C60)
- (7) A/C Accumulator (C60)
- (8) A/C Compressor (C60)
- (9) A/C Compressor Clutch (C60)
- (10) Engine Cooling Fan Clutch
- (11) Inflatable Restraint Front End Sensor

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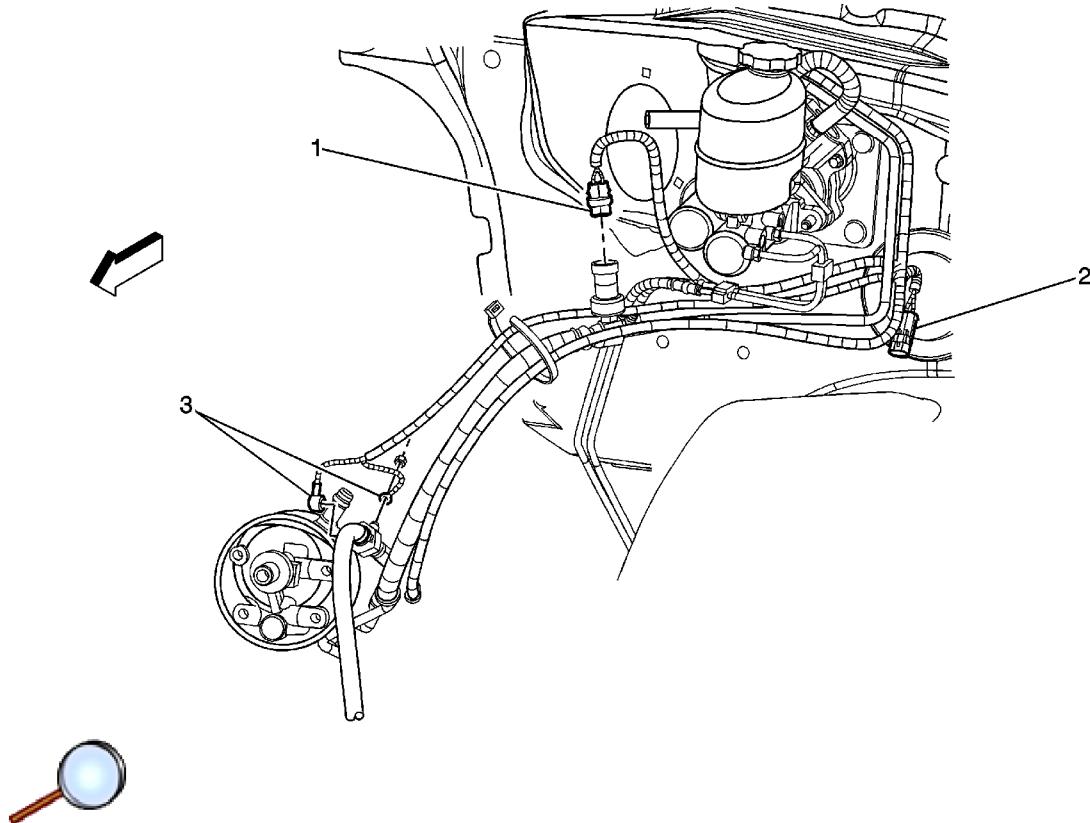
- (12) Horn Assembly
- (13) Windshield Washer Fluid Pump

## Engine Compartment



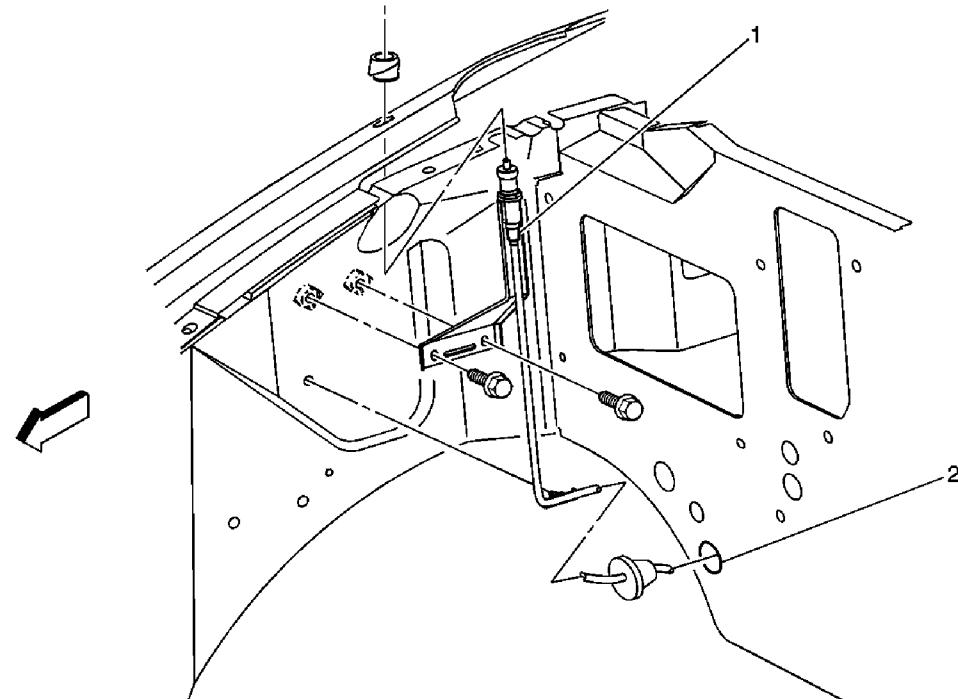
- (1) Vacuum Pump (6.6L)
- (2) Battery
- (3) Transmission Control Module (TCM)
- (4) Blower Motor Resistor
- (5) Blower Motor
- (6) Brake Fluid Level Switch (Heavy Duty)
- (7) Engine Control Module (ECM)
- (8) Fuse Block - Underhood

## Brake Booster Fluid Alarm Switches Harness Routing (UJ1)



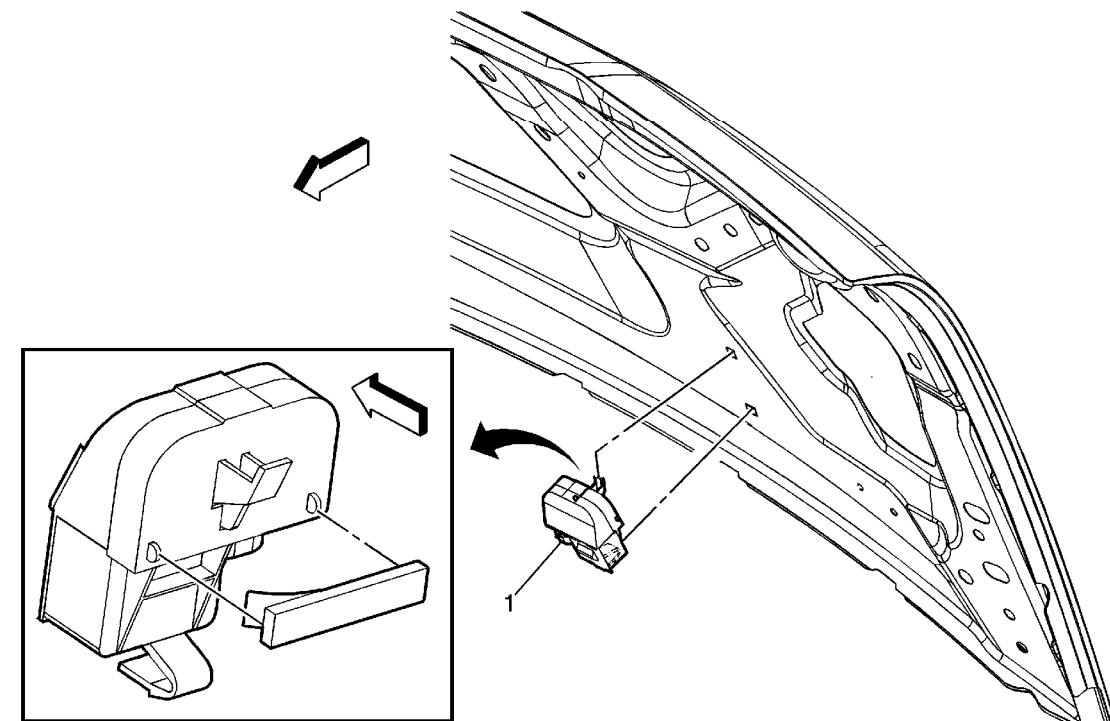
- (1) Brake Booster Fluid Pressure Alarm Switch
- (2) X141
- (3) Brake Booster Fluid Flow Alarm Switch - X1, X2

## Right Rear of the Engine Compartment



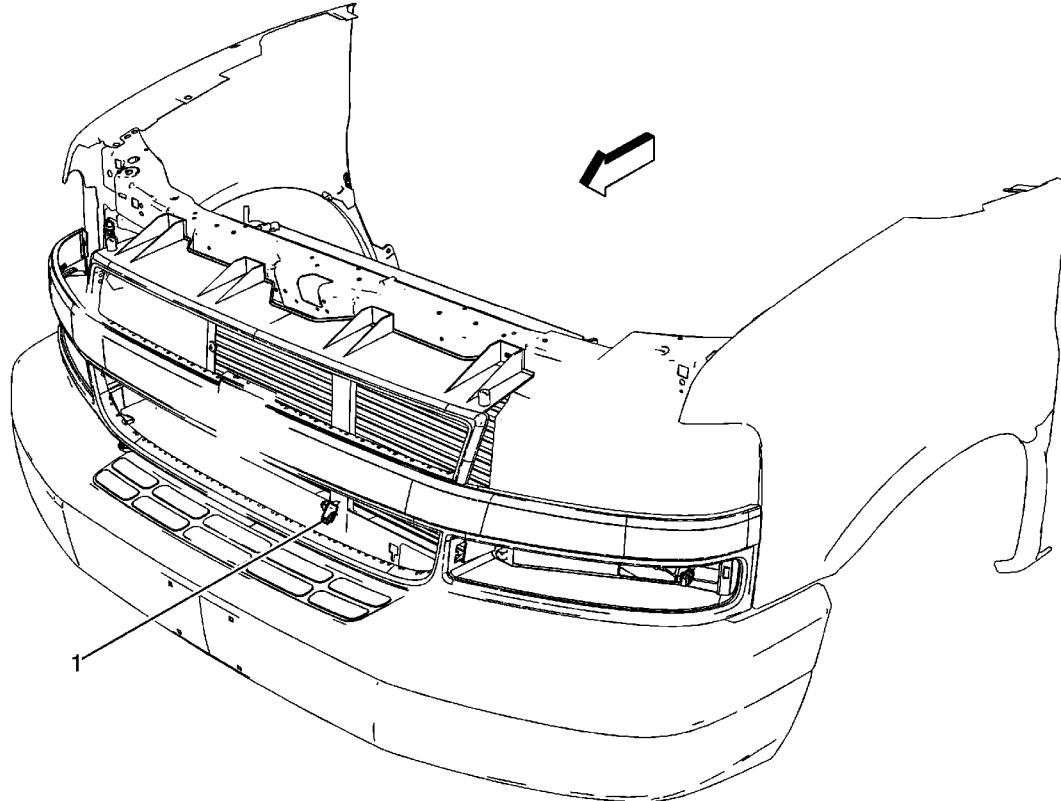
- (1) Antenna  
(2) Lower Cowl

## Underhood Lamp



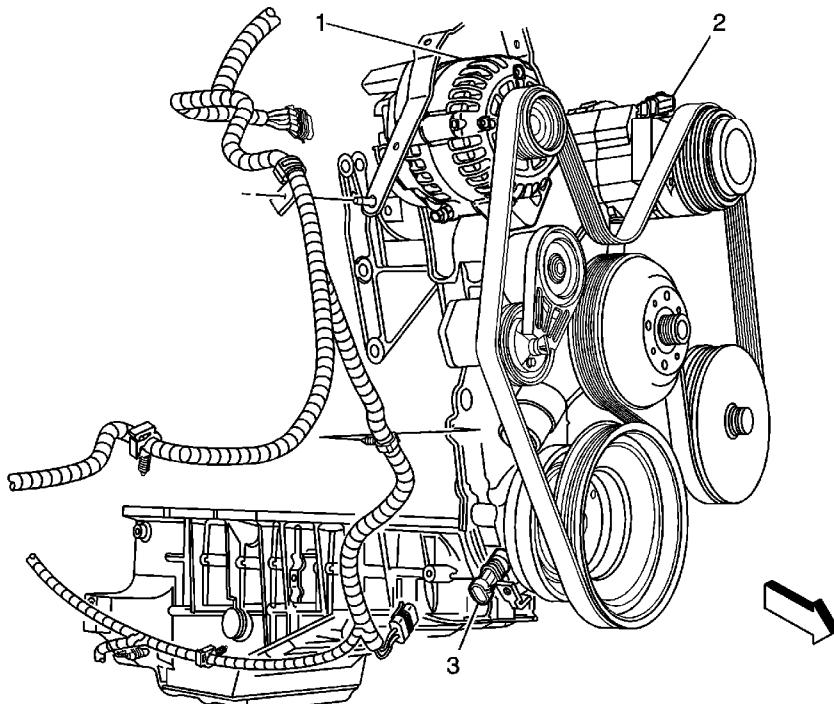
(1) Underhood Lamp

## Ambient Air Temperature Sensor (UFA)



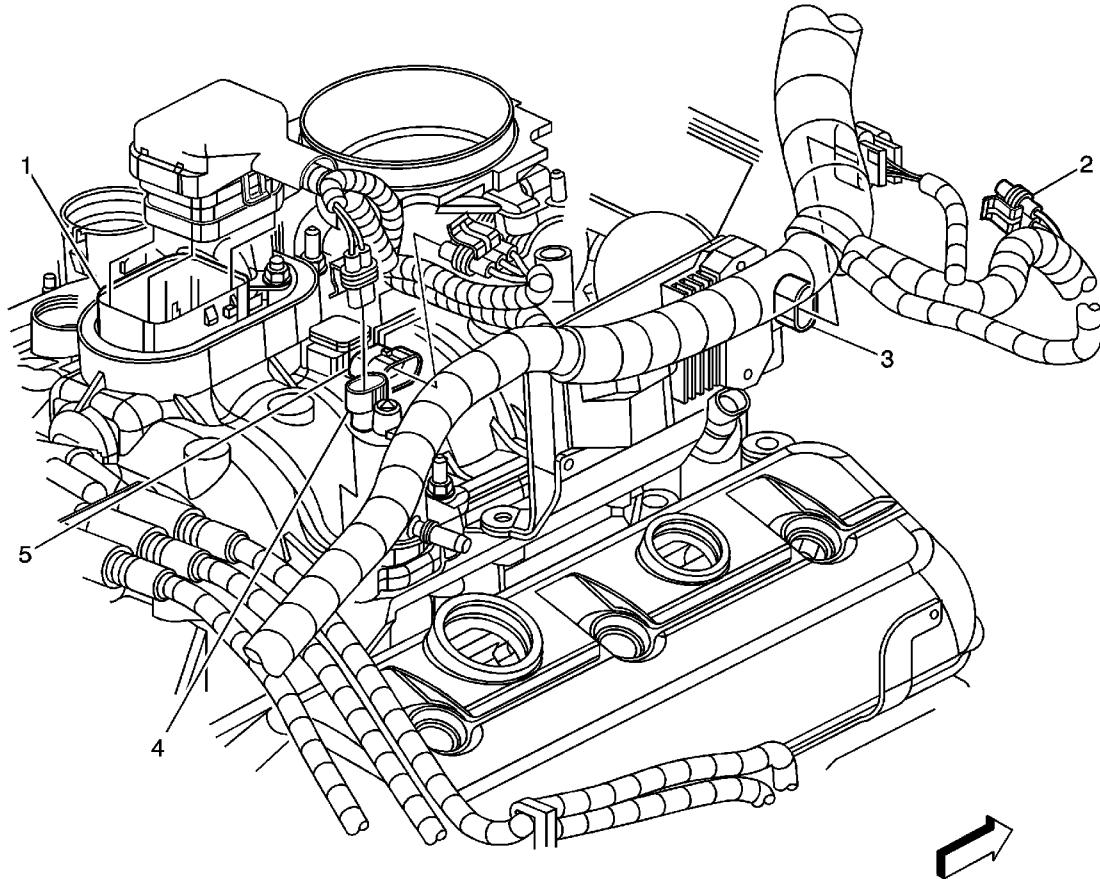
(1) Ambient Air Temperature Sensor (UFA)

## Front of the Engine (4.3L)



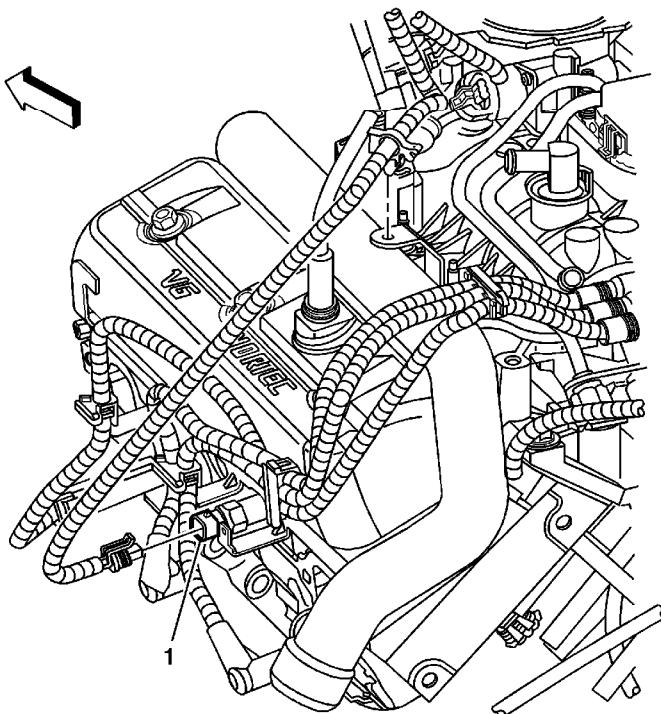
- (1) Generator
- (2) A/C Compressor Clutch Connector (C60)
- (3) Crankshaft Position (CKP) Sensor

## Right Side of the Engine (4.3L)



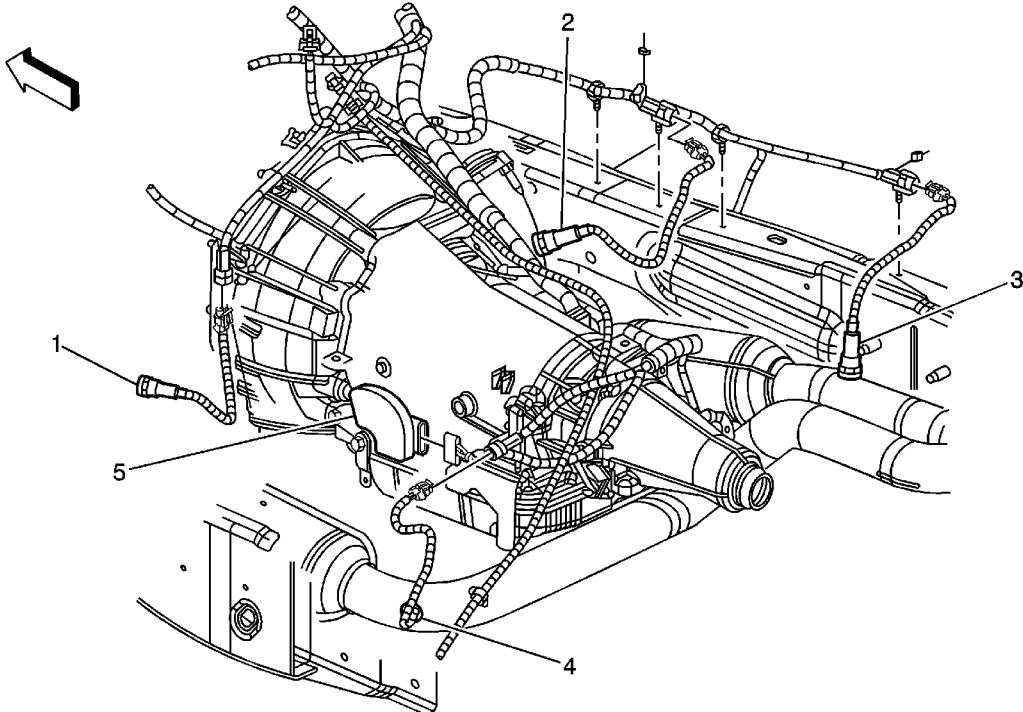
- (1) Central Sequential Fuel Injection (Central SFI)
- (2) Generator Connector
- (3) Ignition Control Module (ICM)
- (4) Evaporative Emission (EVAP) Canister Purge Solenoid Valve
- (5) Manifold Absolute Pressure (MAP) Sensor

## **Left Rear of the Engine (4.3L)**



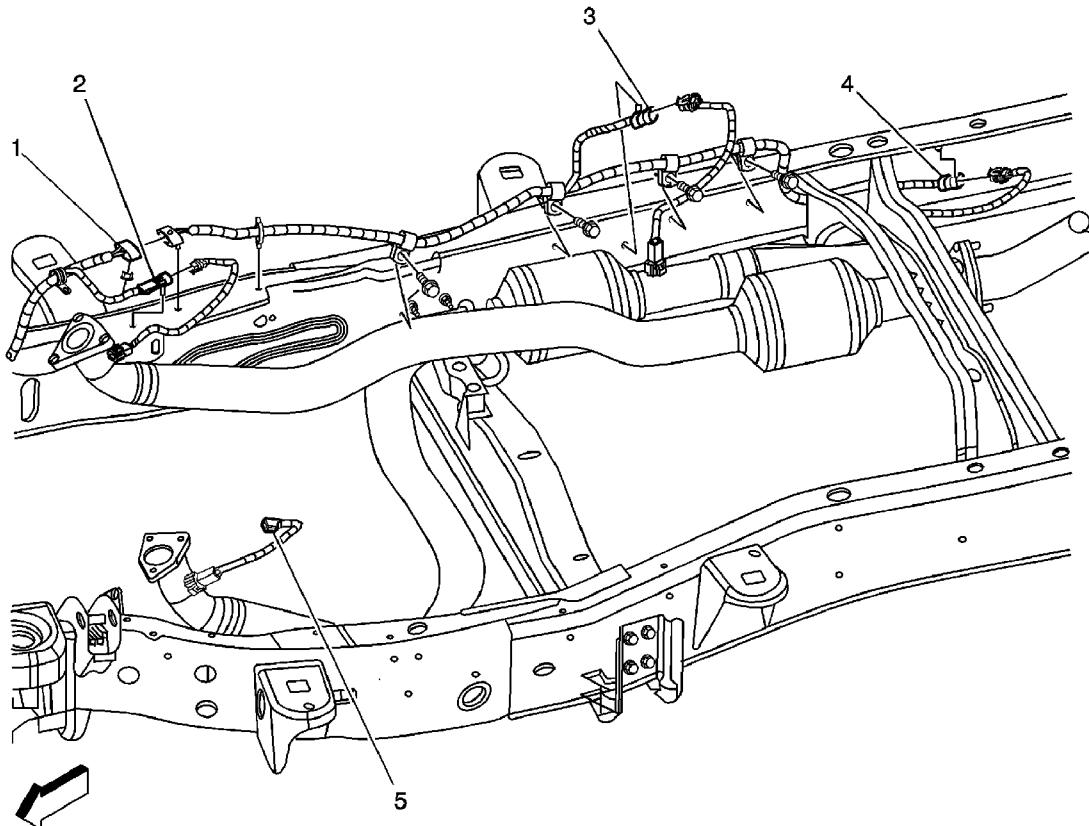
(1) Engine Coolant Temperature (ECT) Sensor

## Rear of the Engine (4.3L/5.3L)



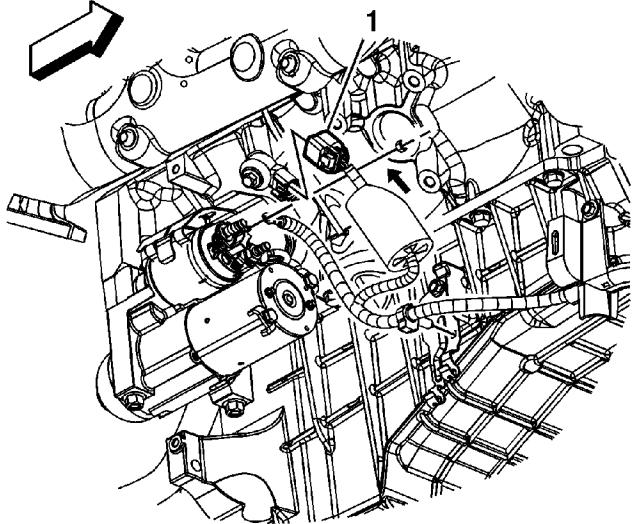
- (1) Heated Oxygen Sensor (HO2S) - Bank 1 Sensor 1
- (2) Heated Oxygen Sensor (HO2S) - Bank 2 Sensor 1
- (3) Heated Oxygen Sensor (HO2S) - Bank 2 Sensor 2
- (4) Heated Oxygen Sensor (HO2S) - Bank 1 Sensor 2
- (5) Park/Neutral Position (PNP) Switch

## Oxygen Sensors (4.8L/6.0L)



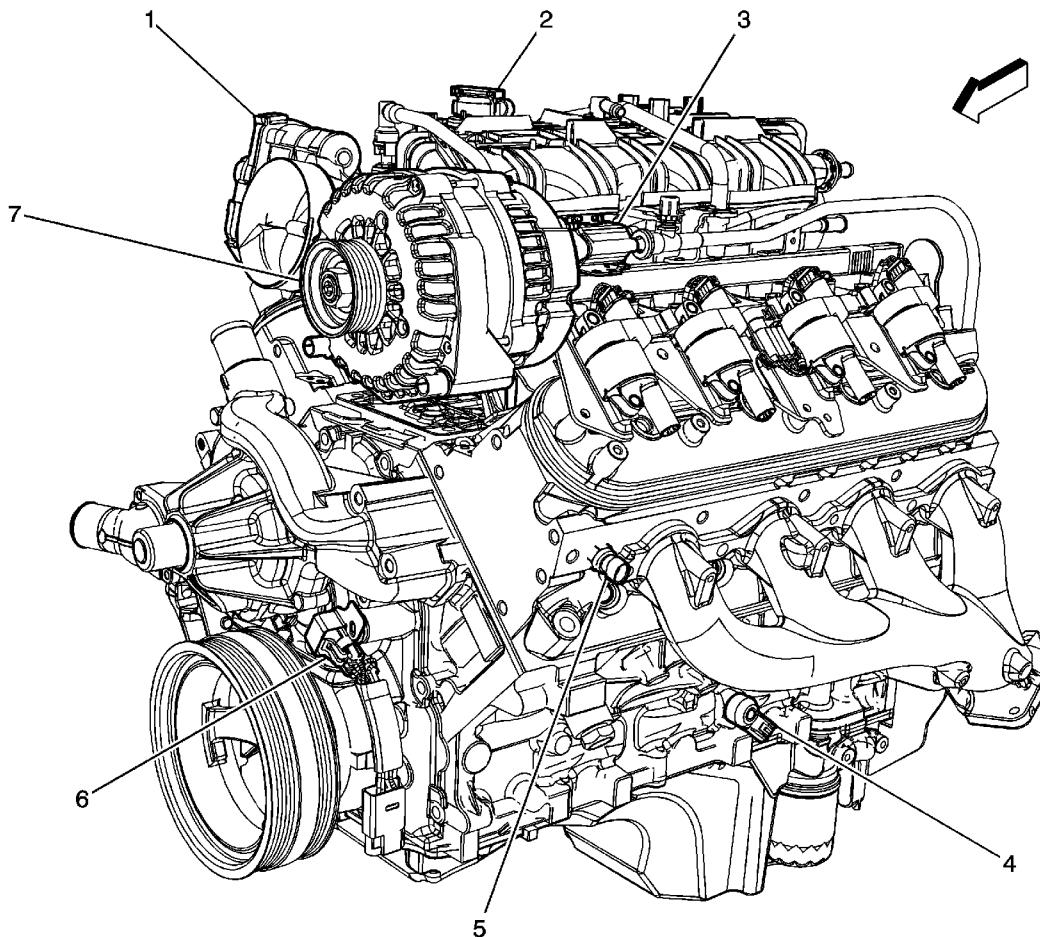
- (1) X128 (Cutaway)
- (2) Heated Oxygen Sensor (HO2S) - Bank 2 Sensor 1 Connector
- (3) Heated Oxygen Sensor (HO2S) - Bank 1 Sensor 2 Connector
- (4) Heated Oxygen Sensor (HO2S) - Bank 2 Sensor 2 Connector
- (5) Heated Oxygen Sensor (HO2S) - Bank 1 Sensor 1 Connector

## Lower Right of Engine (4.3L)



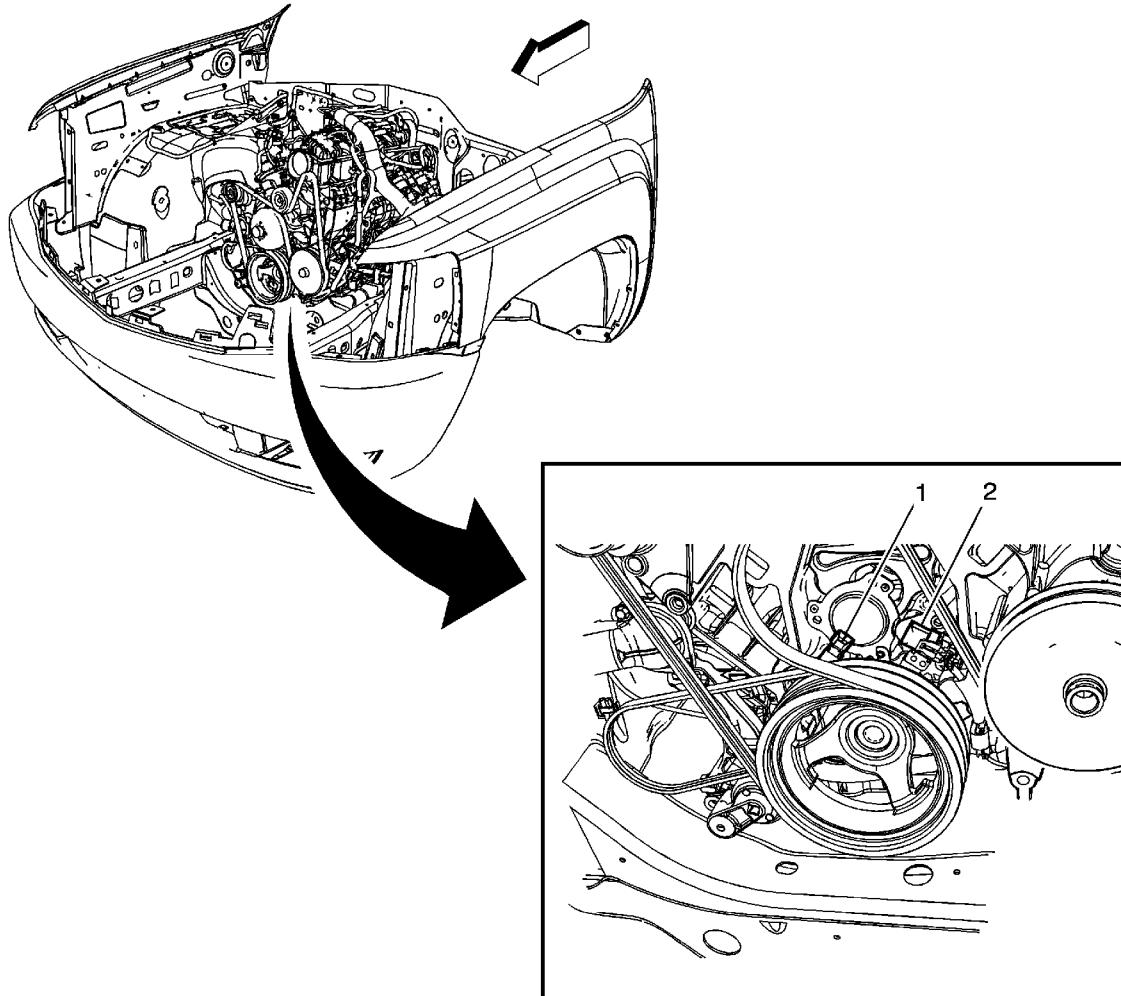
(1) Knock Sensor (KS) 2

## Front of the Engine Components (4.8L/5.3L/6.0L)



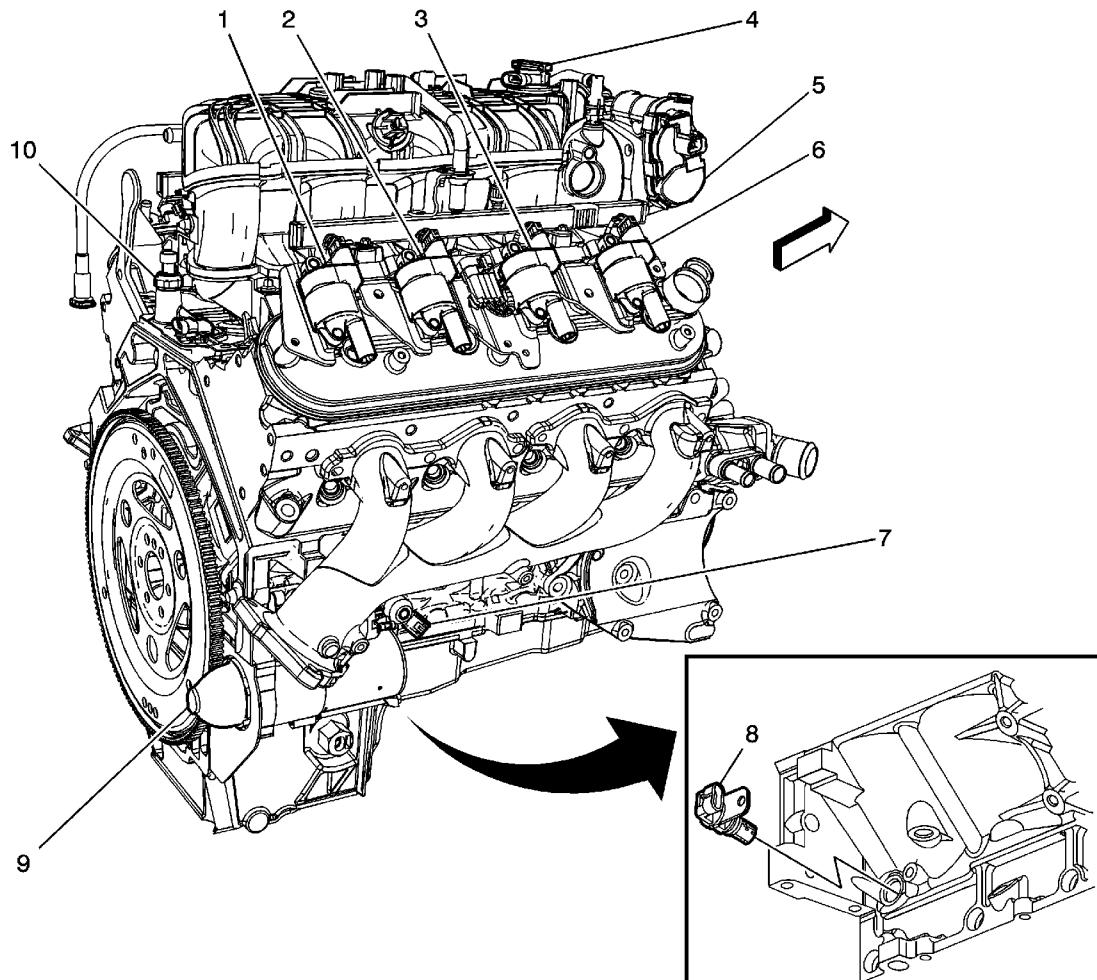
- (1) Throttle Body
- (2) Manifold Absolute Pressure (MAP) Sensor
- (3) Evaporative Emission (EVAP) Canister Purge Solenoid Valve
- (4) Knock Sensor (KS) 1
- (5) Engine Coolant Temperature (ECT) Sensor
- (6) Camshaft Position (CMP) Sensor
- (7) Generator

## Left Front Side of the Engine Components (4.8L/5.3L/6.0L)



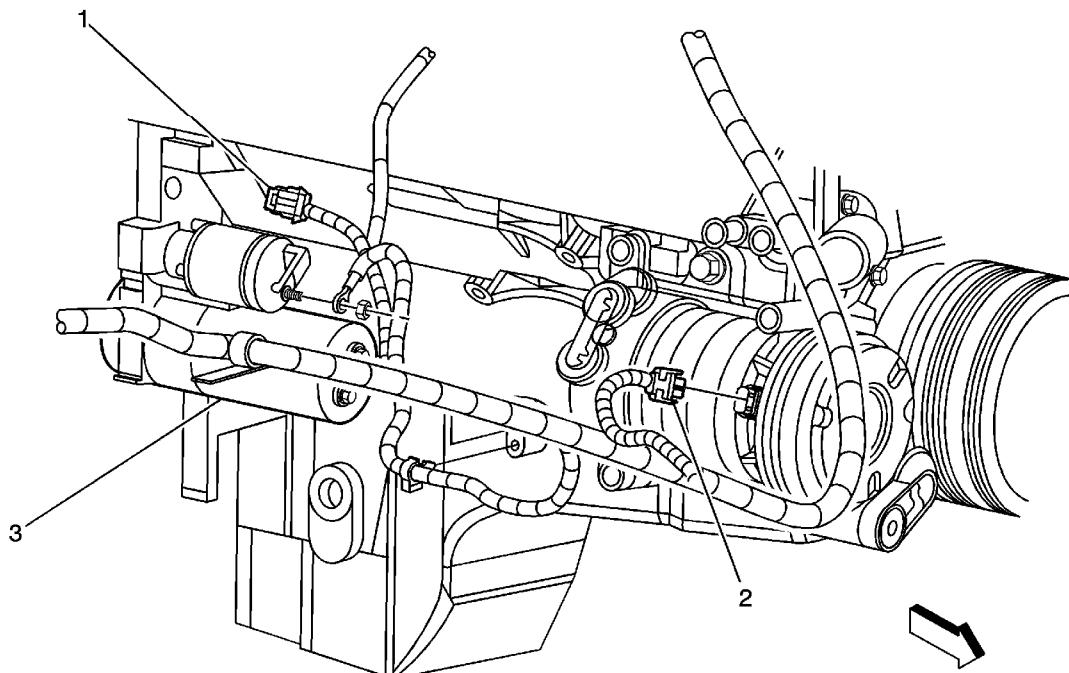
- (1) Camshaft Position (CMP) Actuator Solenoid Valve (6.0L)
- (2) Camshaft Position (CMP) Sensor

## Right Side of the Engine Components (4.8L/5.3L/6.0L)



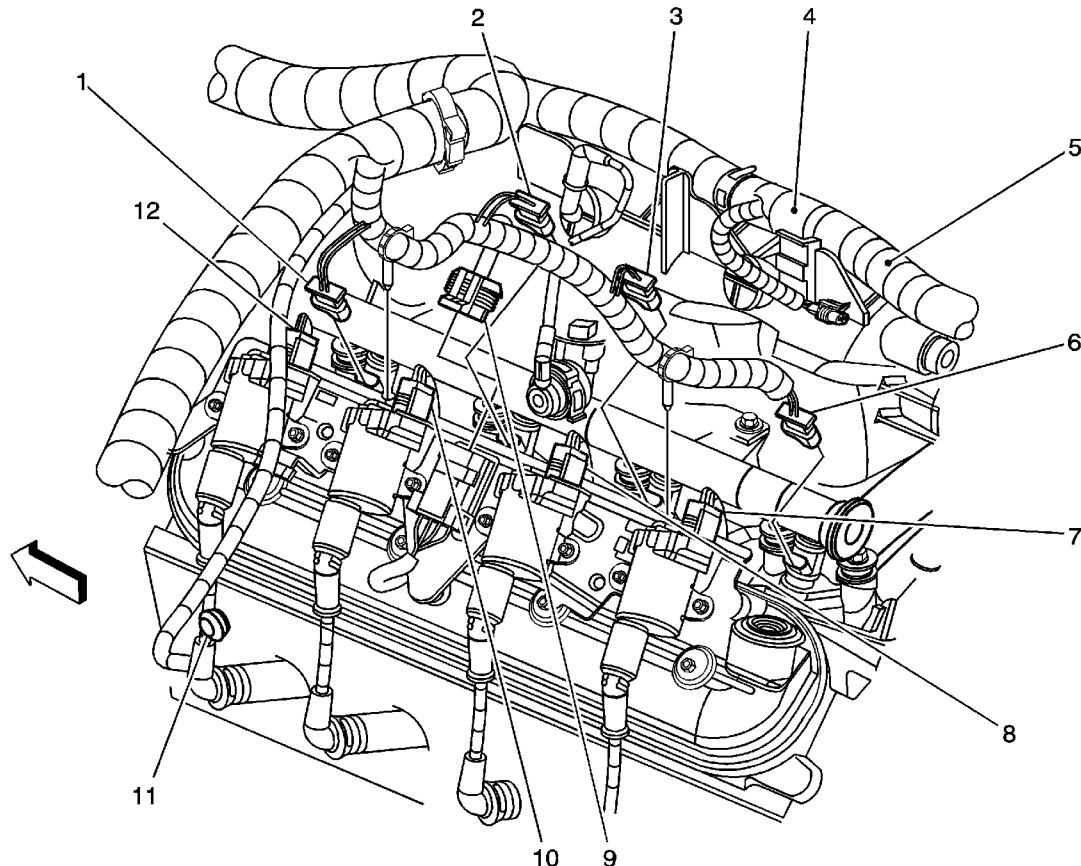
- (1) Ignition Coil 8
- (2) Ignition Coil 6
- (3) Ignition Coil 4
- (4) Manifold Absolute Pressure (MAP) Sensor
- (5) Throttle Body
- (6) Ignition Coil 2
- (7) Knock Sensor (KS) 2
- (8) Crankshaft Position (CKP) Sensor
- (9) Starter
- (10) Engine Oil Pressure (EOP) Sensor

## Right Side of the Engine (4.8L/ 5.3L/ 6.0L)



- (1) Crankshaft Position (CKP) Sensor Connector
- (2) A/C Compressor Clutch Connector (C60)
- (3) Starter Motor

## Upper Left Side of the Engine (4.8L/ 5.3L/ 6.0L)

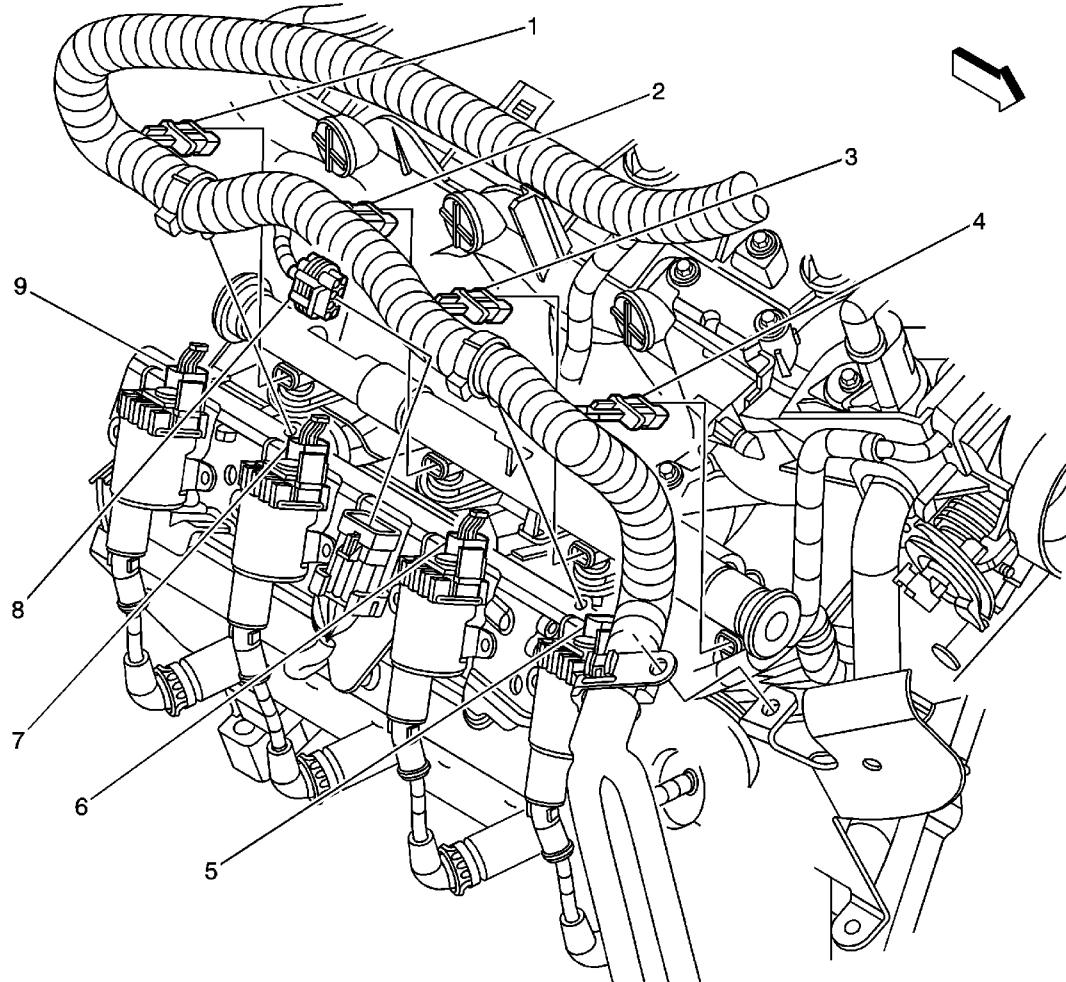


- (1) Fuel Injector 1 Connector
- (2) Fuel Injector 3 Connector
- (3) Fuel Injector 5 Connector
- (4) J101
- (5) J102
- (6) Fuel Injector 7 Connector
- (7) Ignition Coil 7 Connector
- (8) Ignition Coil 5 Connector
- (9) X126
- (10) Ignition Coil 3 Connector
- (11) Engine Coolant Temperature (ECT) Sensor Connector

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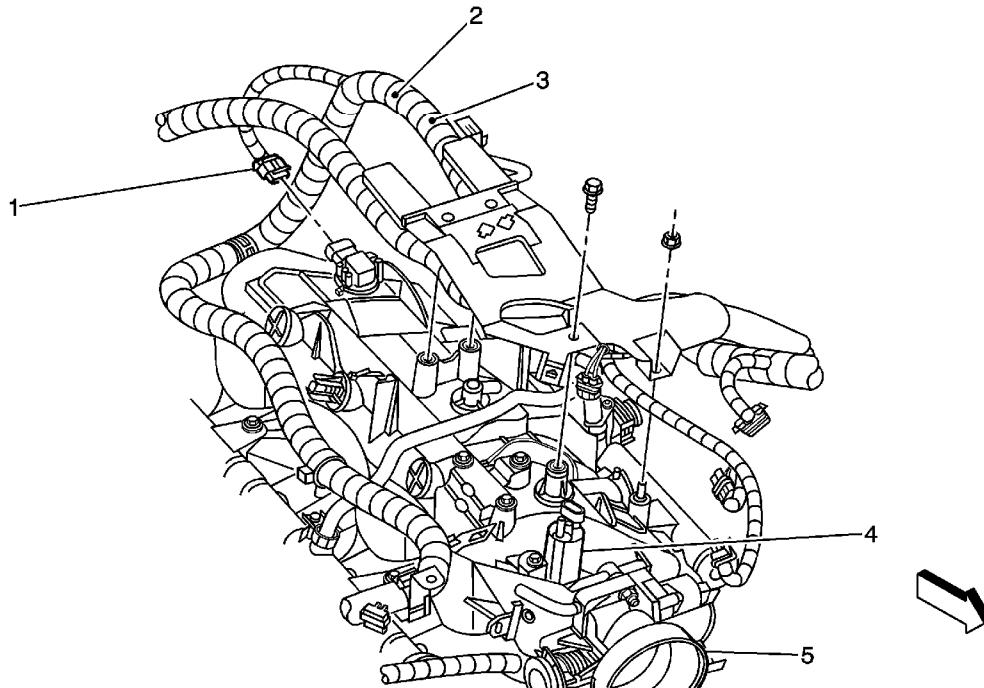
(12) Ignition Coil 1 Connector

## Upper Right Side of the Engine (4.8L/ 5.3L/ 6.0L)



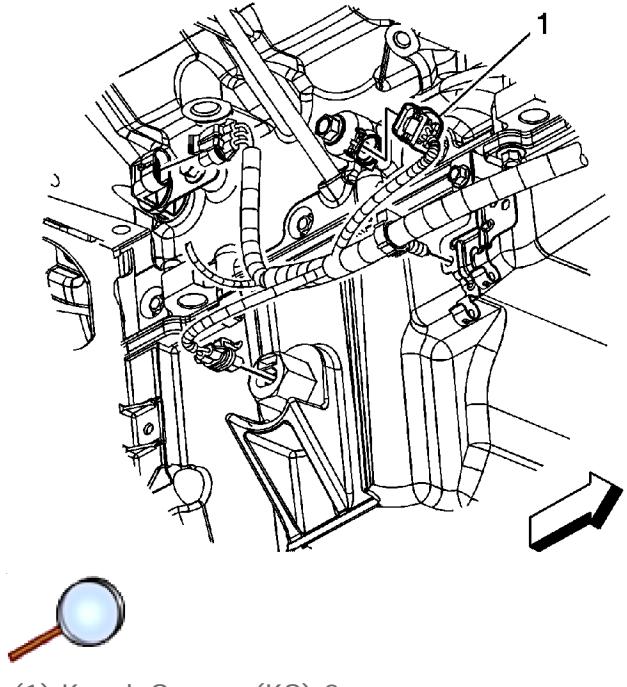
- (1) Fuel Injector 8 Connector
- (2) Fuel Injector 6 Connector
- (3) Fuel Injector 4 Connector
- (4) Fuel Injector 2 Connector
- (5) Ignition Coil 2 Connector
- (6) Ignition Coil 4 Connector
- (7) Ignition Coil 6 Connector
- (8) X127
- (9) Ignition Coil 8 Connector

## Top of the Engine (4.8L/5.3L/6.0L)



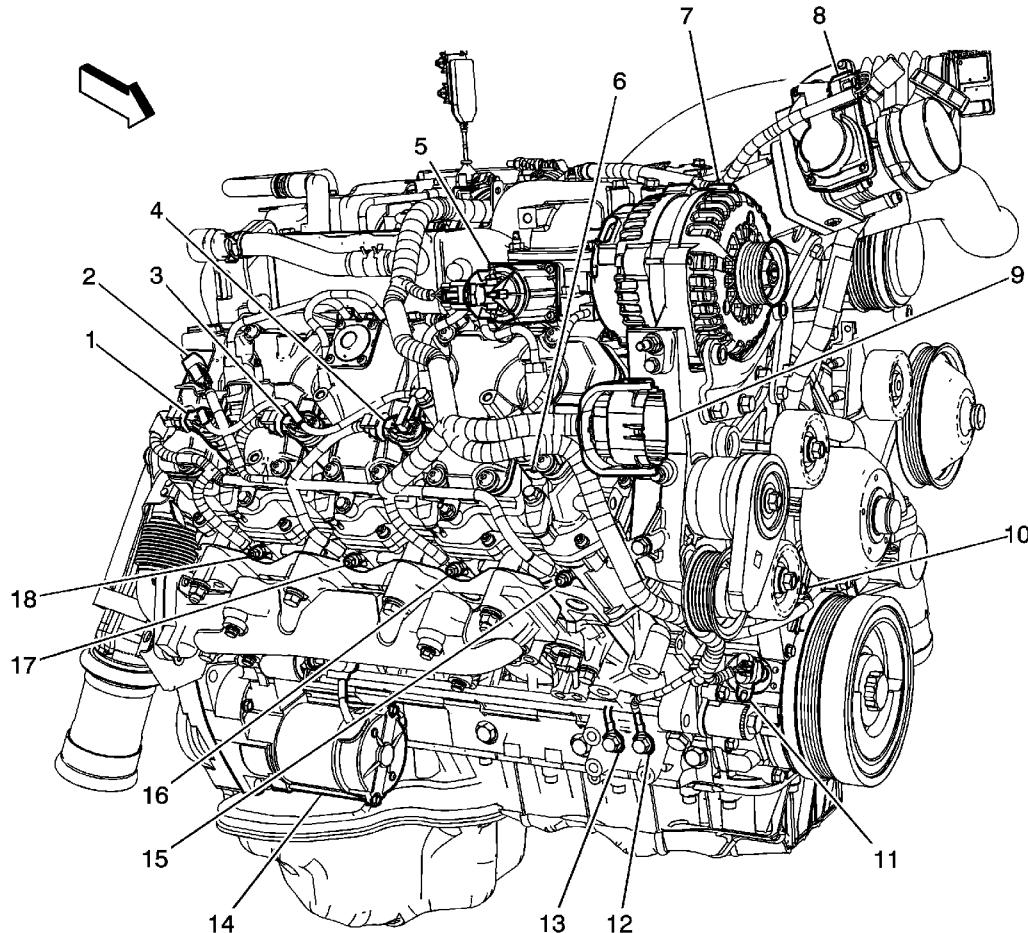
- (1) Manifold Absolute Pressure (MAP) Sensor Connector
- (2) J102
- (3) J101
- (4) Evaporative Emission (EVAP) Canister Purge Solenoid Valve
- (5) Throttle Body

## Lower Right of Engine (4.8L/5.3L/6.0L)



(1) Knock Sensor (KS) 2

## Engine - Right Side (6.6L)

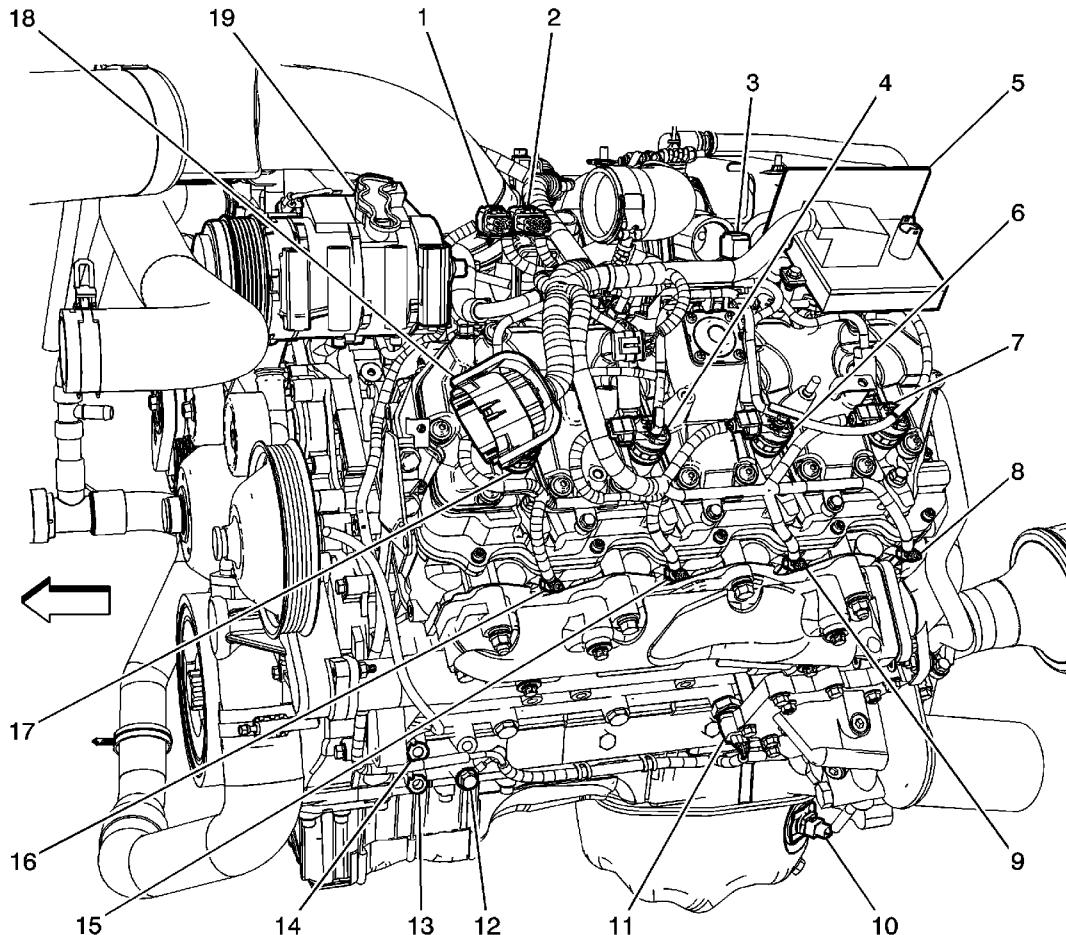


- (1) Fuel Injector 7
- (2) X112
- (3) Fuel Injector 5
- (4) Fuel Injector 3
- (5) Exhaust Gas Recirculation (EGR) Valve
- (6) Fuel Injector 1
- (7) Generator
- (8) Intake Air Valve
- (9) X108
- (10) Camshaft Position (CMP) Sensor
- (11) Crankshaft Position (CKP) Sensor

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- (12) G108
- (13) G104
- (14) Starter Motor
- (15) Glow Plug 1
- (16) Glow Plug 3
- (17) Glow Plug 5
- (18) Glow Plug 7

## Left Side of the Engine (6.6L)

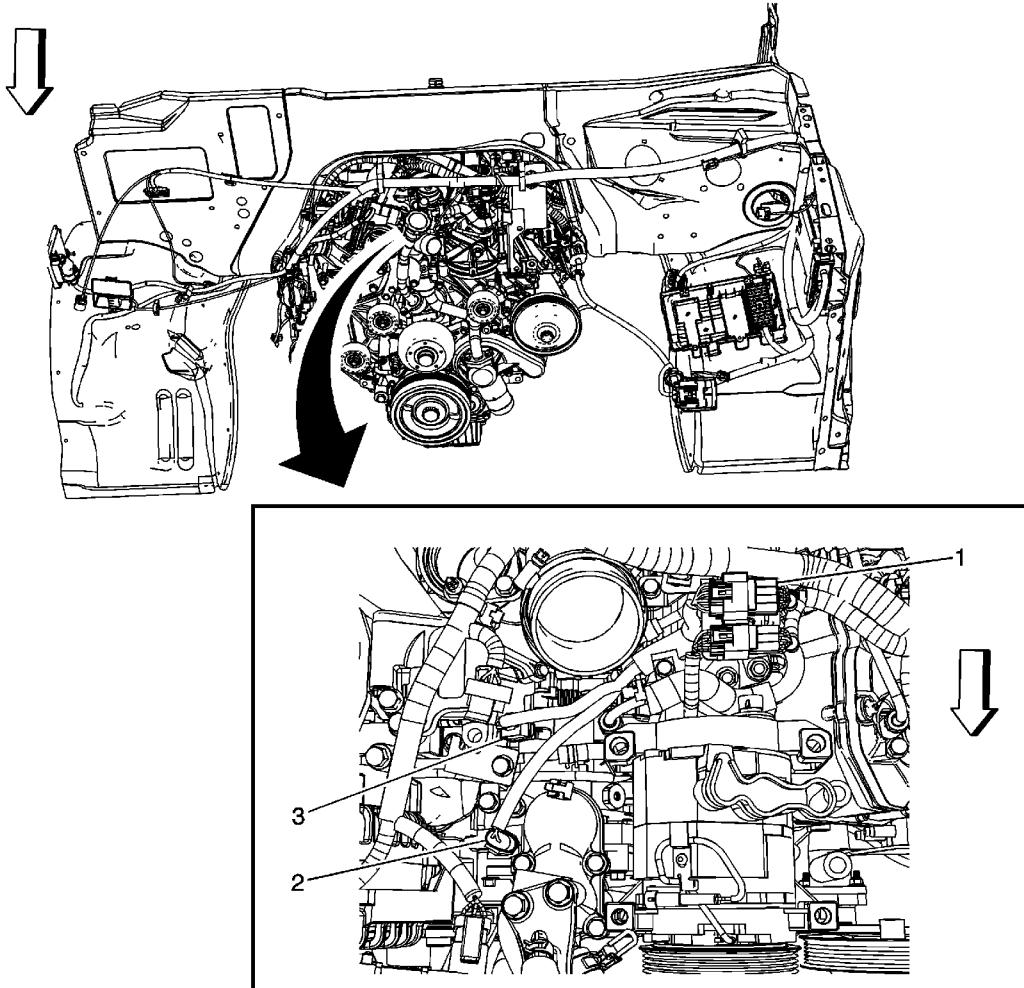


- (1) X110
- (2) X111
- (3) Intake Air Temperature (IAT) Sensor
- (4) Fuel Injector 4
- (5) Glow Plug Control Module (GPCM)
- (6) Fuel Injector 6
- (7) Fuel Injector 8
- (8) Glow Plug 8
- (9) Glow Plug 6
- (10) Engine Oil Level (EOL) Switch
- (11) Engine Oil Pressure (EOP) Sensor

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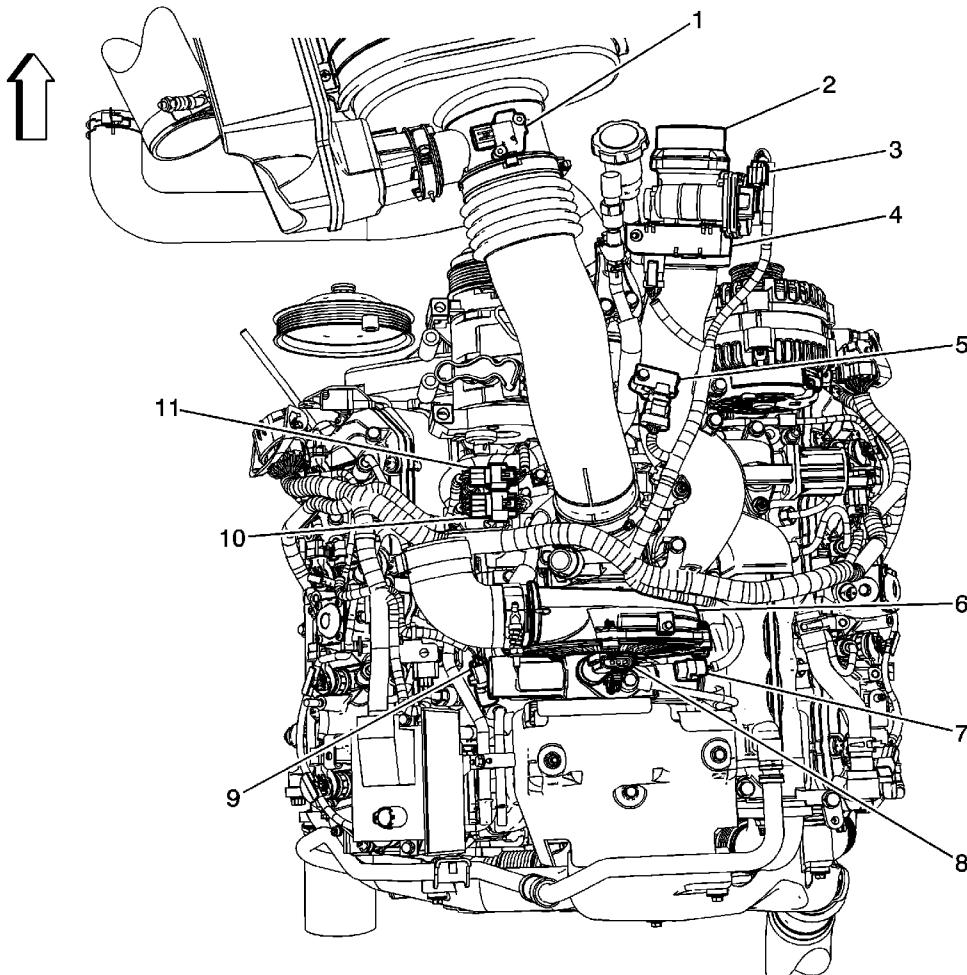
- (12) G107
- (13) G102
- (14) G103
- (15) Glow Plug 4
- (16) Glow Plug 2
- (17) Fuel Injector 2
- (18) X101
- (19) A/C Compressor

## Top of Engine (6.6L)



- (1) X111
- (2) Engine Coolant Temperature (ECT) Sensor
- (3) Fuel Pressure Regulator

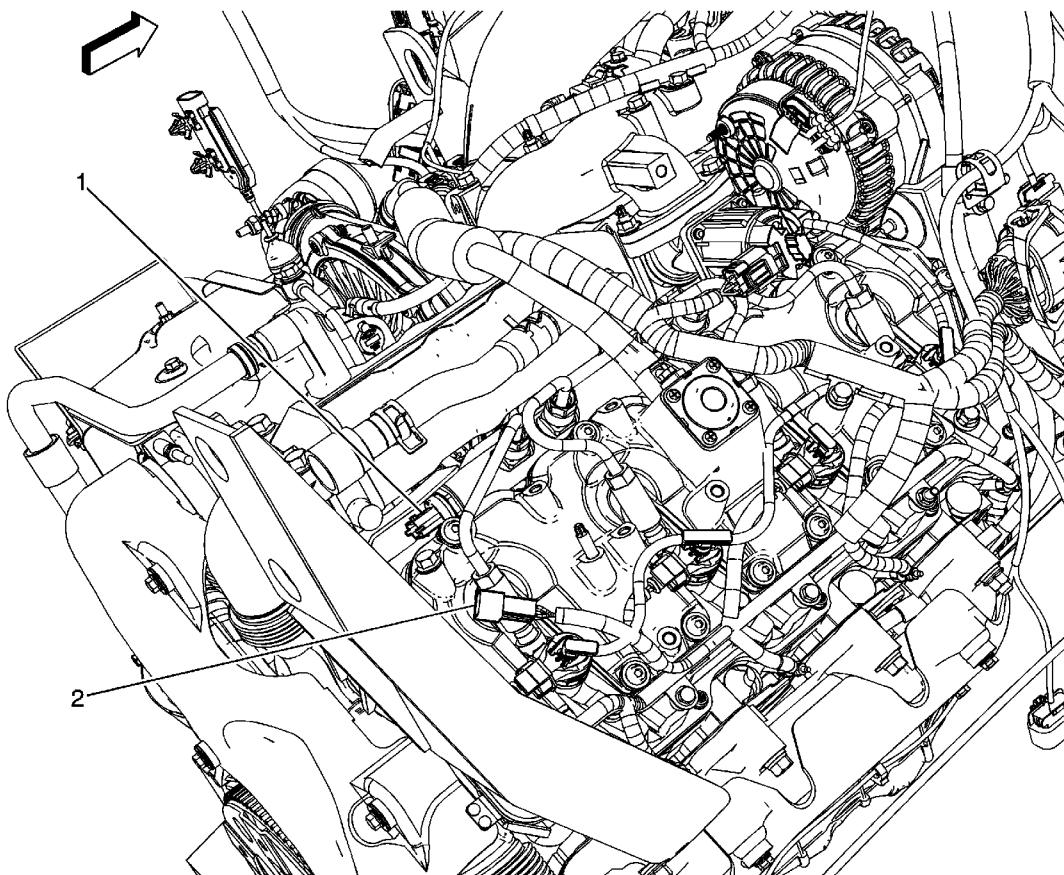
## Upper Engine (6.6L)



- (1) Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor
- (2) Throttle Body
- (3) Intake Air Valve
- (4) Intake Air Heater (IAH)
- (5) Manifold Absolute Pressure (MAP) Sensor
- (6) Turbocharger
- (7) Turbocharger Vane Position Control Solenoid Valve
- (8) Turbocharger Vane Position Sensor
- (9) Fuel Rail Temperature (FRT) Sensor
- (10) X111
- (11) X110

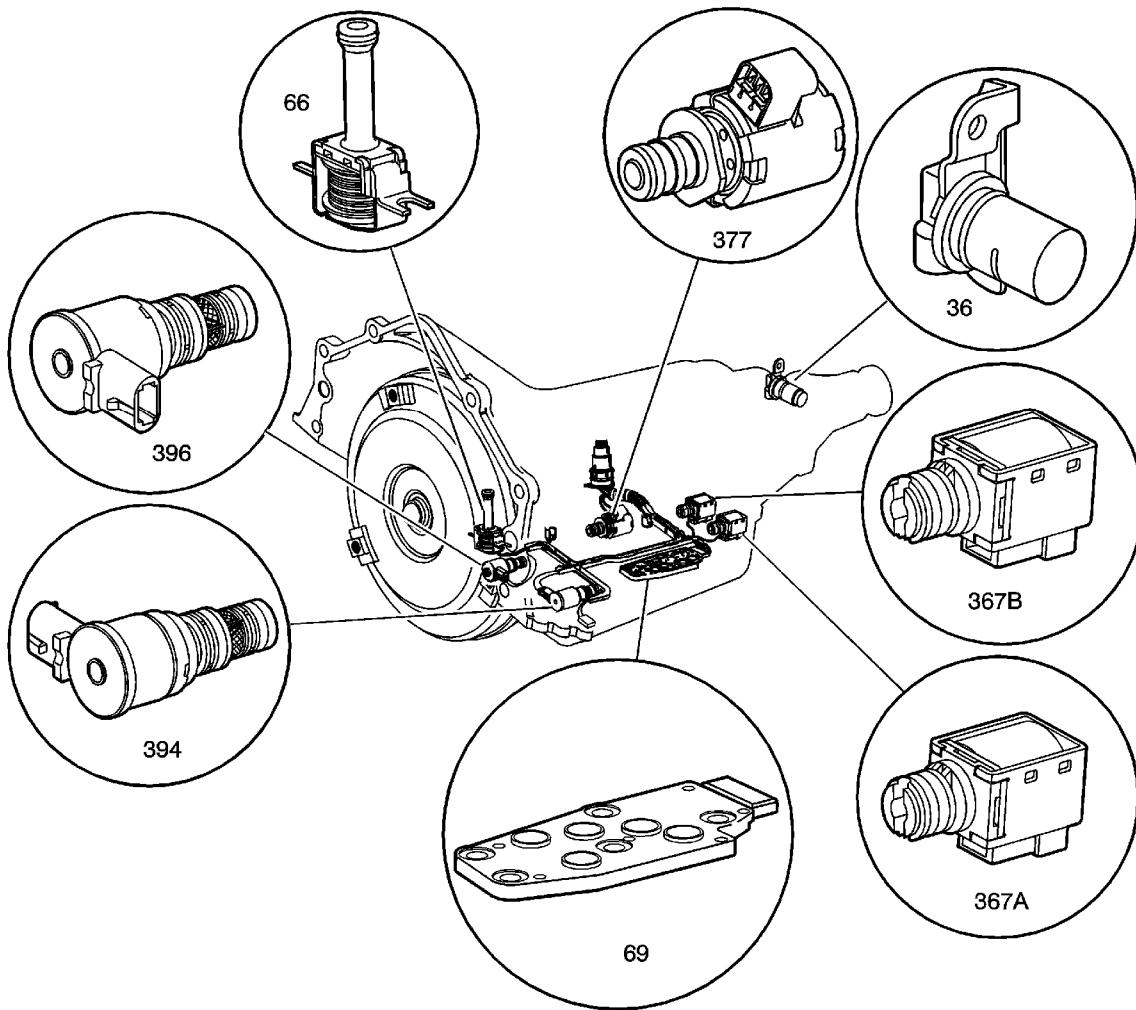
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## Top Rear of Engine (6.6L)



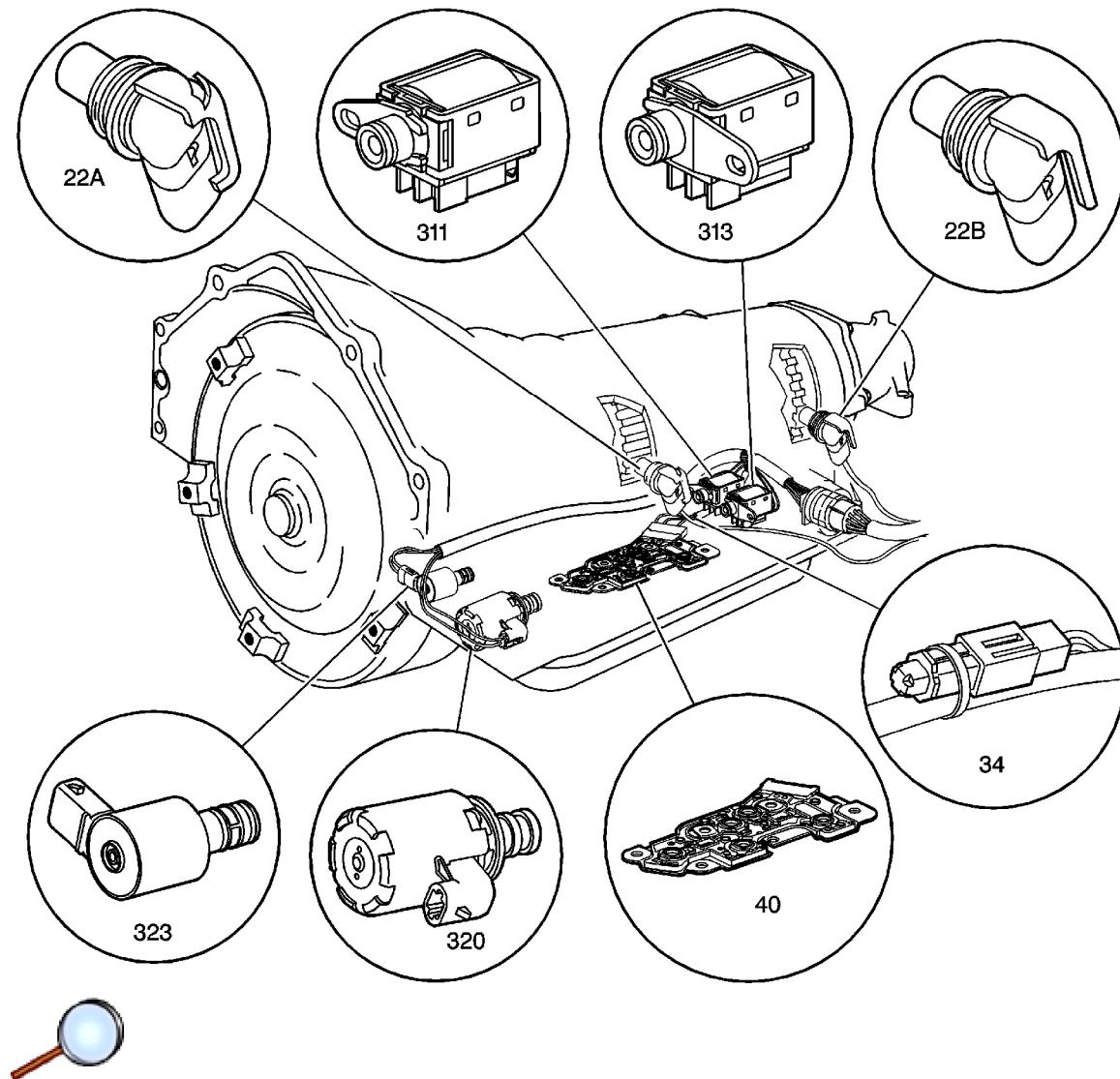
- (1) Fuel Rail Pressure (FRP) Sensor
- (2) X112

## Automatic Transmission Internal Electronic Components (4L60-E)



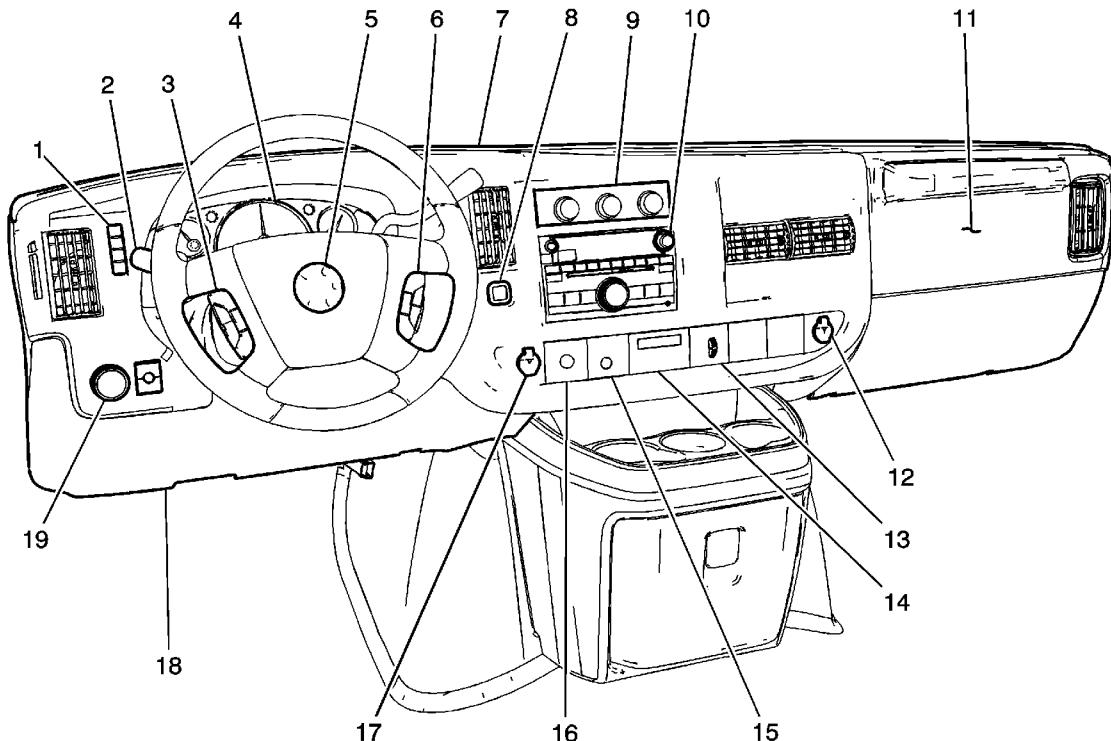
- (36) Automatic Transmission Output Shaft Speed (OSS) Sensor
- (66) Torque Converter Clutch (TCC) Solenoid Valve
- (69) Automatic Transmission Fluid Pressure (TFP) Manual Valve Position Switch
- (367a) 1-2 Shift Solenoid (SS) Valve
- (367b) 2-3 Shift Solenoid (SS) Valve
- (377) Pressure Control (PC) Solenoid Valve
- (394) 3-2 Shift Solenoid (SS) Valve
- (396) Torque Converter Clutch (TCC) Pulse Width Modulation (PWM) Solenoid Valve

## Automatic Transmission Internal Electronic Components (4L80-E)



- (22a) Automatic Transmission Input Shaft Speed (ISS) Sensor
- (22b) Automatic Transmission Output Shaft Speed (OSS) Sensor
- (34) Automatic Transmission Fluid Temperature (TFT) Sensor
- (40) Automatic Transmission Fluid Pressure (TFP) Manual Valve Position Switch
- (311) 2-3 Shift Solenoid (SS) Valve
- (313) 1-2 Shift Solenoid (SS) Valve
- (320) Pressure Control (PC) Solenoid Valve
- (323) Torque Converter Clutch (TCC) Pulse Width Modulation (PWM) Solenoid Valve

## Instrument Panel Components

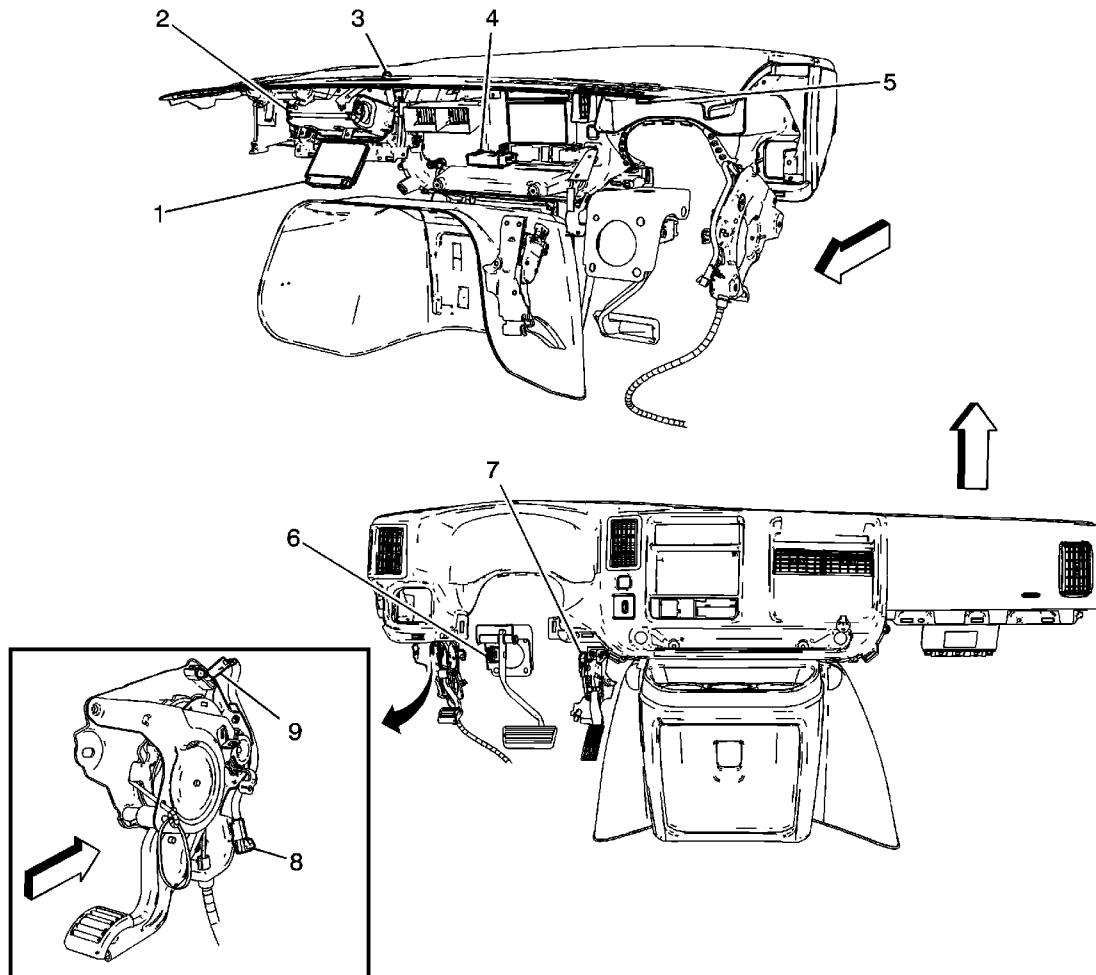


- (1) Driver Information Center (DIC) Switch
- (2) Turn Signal/Multifunction Switch
- (3) Steering Wheel Control Switch - Left (K34)
- (4) Instrument Panel Cluster (IPC)
- (5) Inflatable Restraint Steering Wheel Module
- (6) Steering Wheel Control Switch - Right (W1Y)
- (7) Instrument Panel
- (8) Tow/Haul Switch
- (9) HVAC Control Assembly
- (10) Radio
- (11) Inflatable Restraint I/P Module

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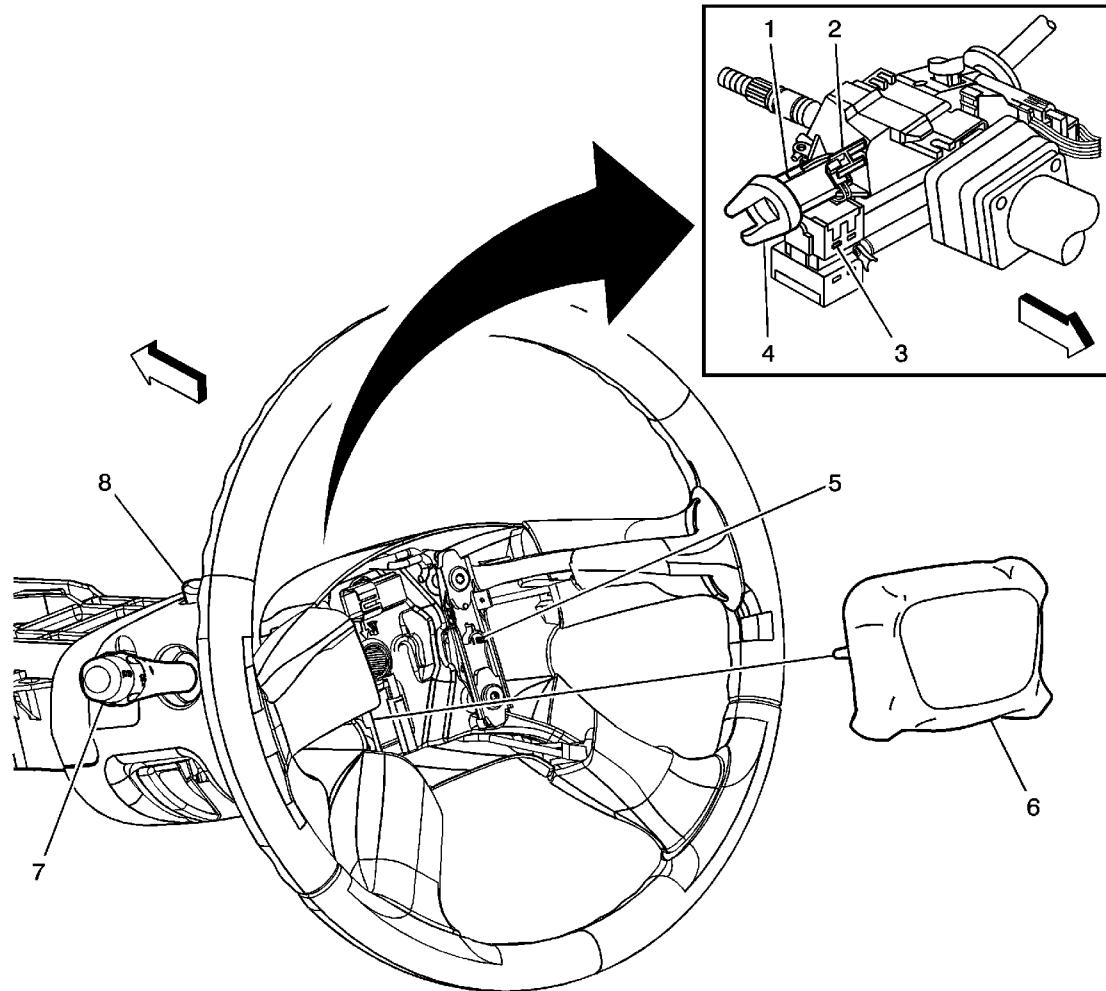
- (12) Accessory Power Outlet - Center Console 2
- (13) Blower Motor Switch - Auxiliary (C36 without C69)
- (14) Inflatable Restraint I/P Module Indicator (Light Duty without YF7)
- (15) Inflatable Restraint I/P Module Disable Switch (C99)
- (16) Traction Control Switch (TCS) (JL4)
- (17) Cigar Lighter (DT4)/Accessory Power Outlet - Center Console 1 (without DT4)
- (18) Data Link Connector (DLC)
- (19) Headlamp and Panel Dimmer Switch

## Instrument Panel Harness Components



- (1) Body Control Module (BCM)
- (2) Inflatable Restraint I/P Module
- (3) Ambient Light Sensor
- (4) Chime Module (UL5)
- (5) Remote Control Door Lock Receiver (RCDLR) (AU0)
- (6) Stop Lamp Switch
- (7) Accelerator Pedal Position (APP) Sensor
- (8) Park Brake Switch Pigtail Connector
- (9) Park Brake Switch

## Upper Steering Column



(1) Theft Deterrent Module (TDM)

(2) Ignition Key Alarm Switch

(3) Ignition Switch

(4) Ignition Key Cylinder

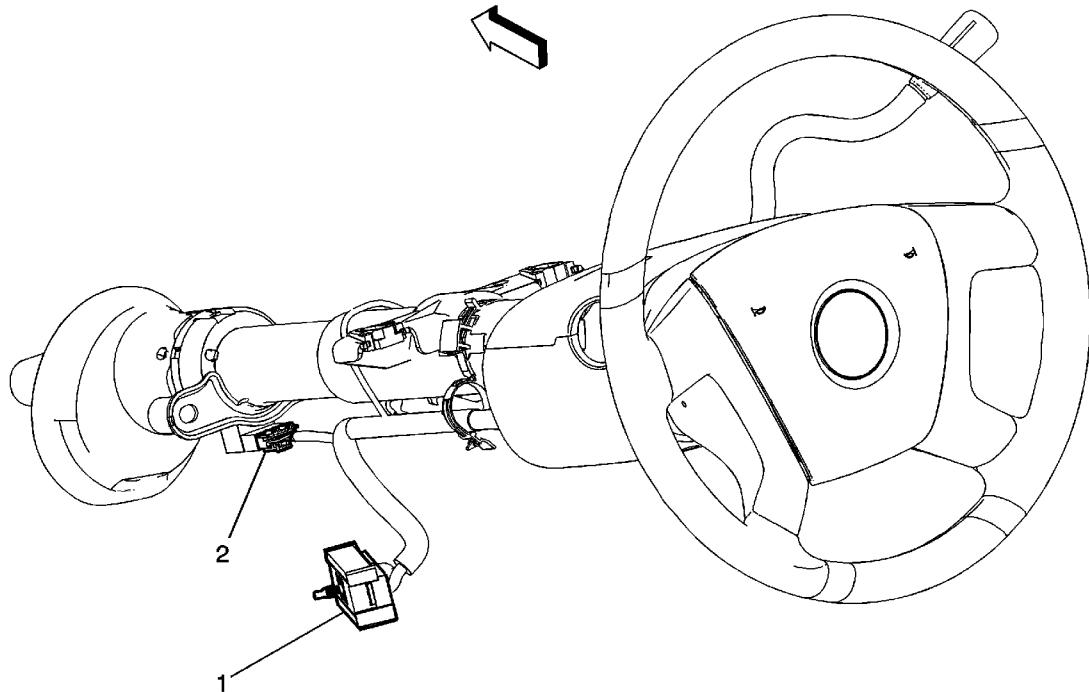
(5) Horn Switch

(6) Inflatable Restraint Steering Wheel Module

(7) Turn Signal/Multifunction Switch

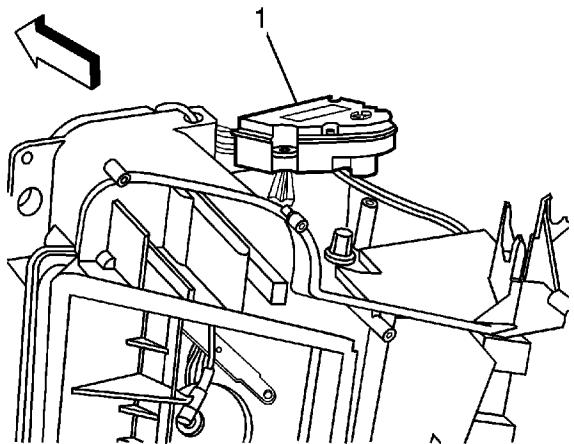
(8) Hazard Warning Switch

## Steering Column



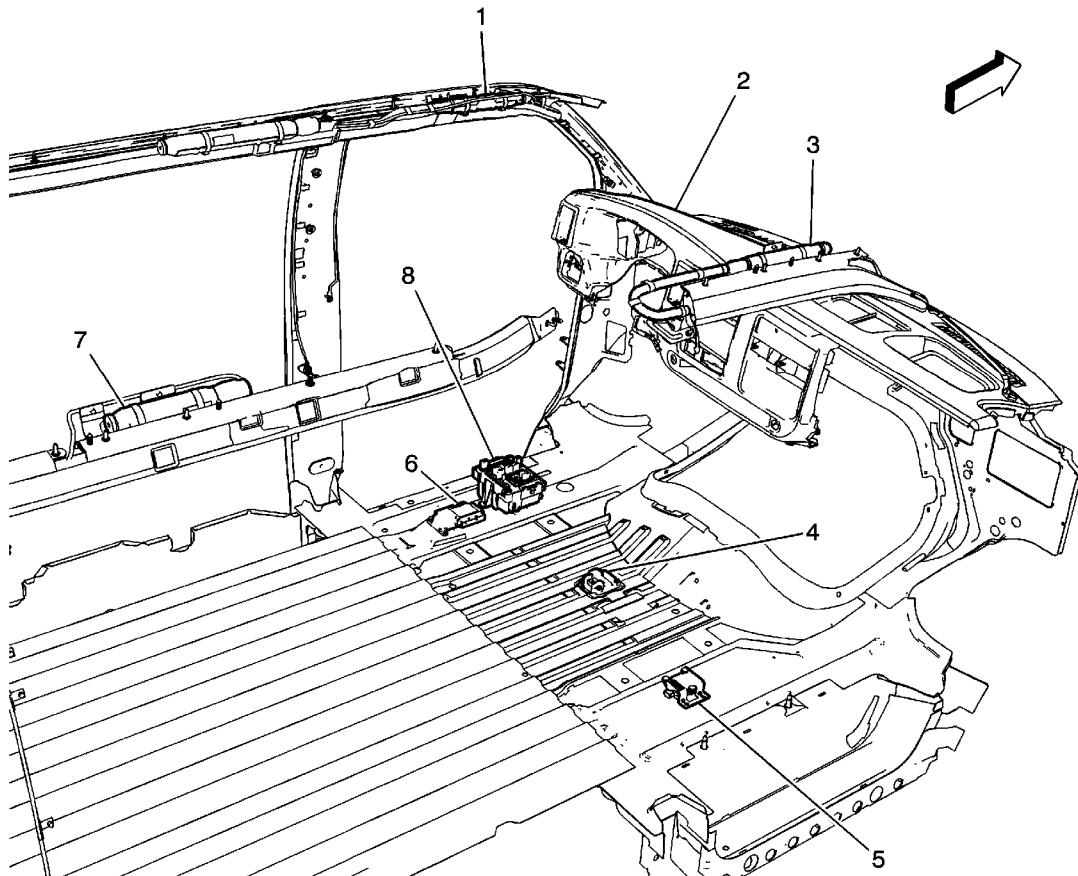
- (1) X200  
(2) Steering Wheel Speed/Position Sensor (JL4)

## Air Temperature Actuator



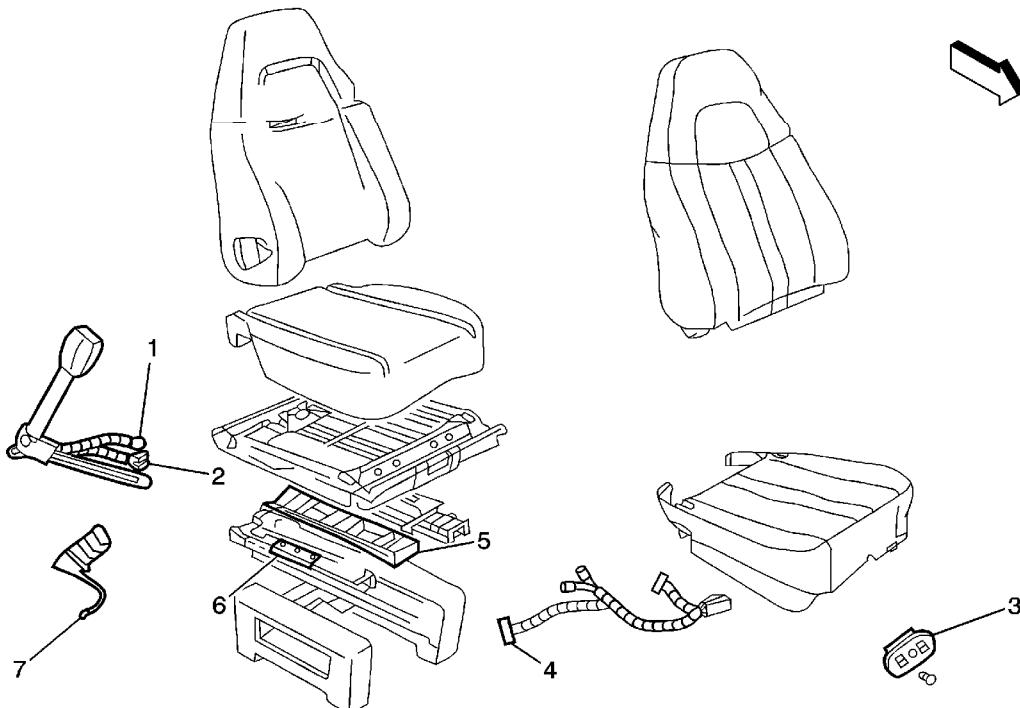
(1) Air Temperature Actuator

## Front Left Side of Passenger Compartment



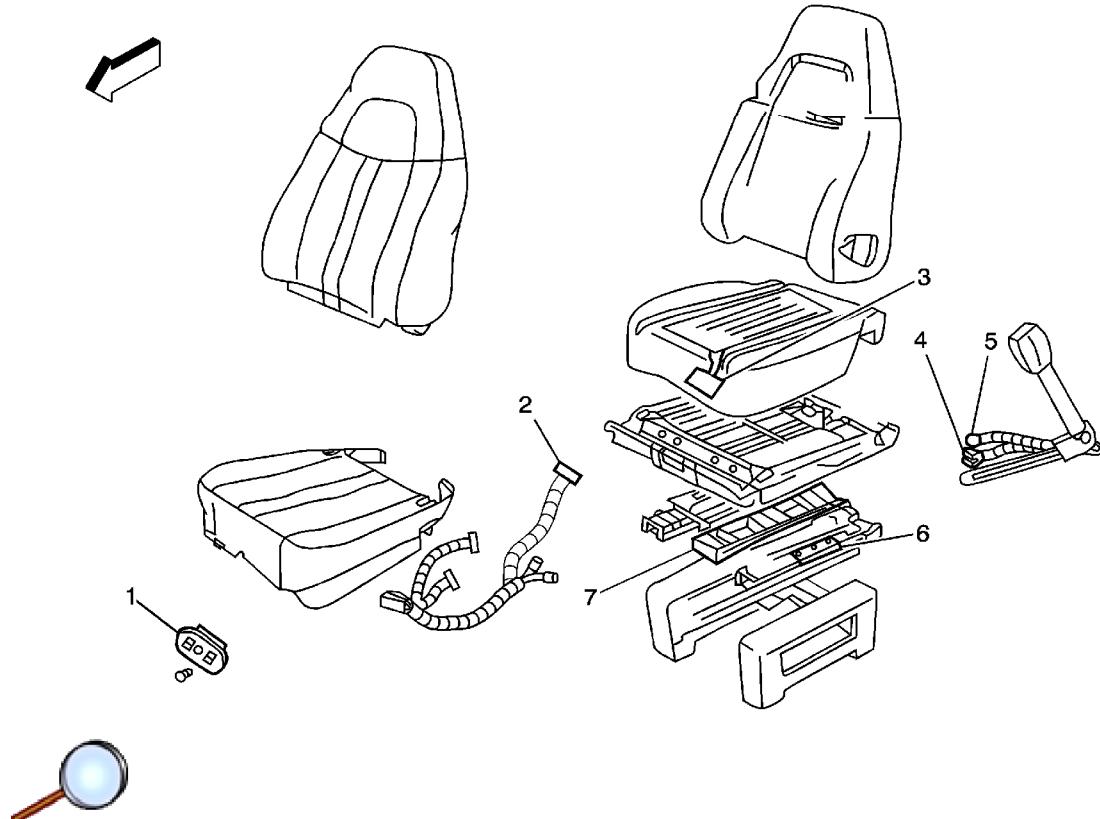
- (1) Inflatable Restraint Roof Rail Module - Left Front (ASF)
- (2) Instrument Panel - Upper Pad
- (3) Inflatable Restraint Roof Rail Module - Right Front (ASF)
- (4) Inflatable Restraint Vehicle Rollover Sensor (ASF)
- (5) Yaw and Lateral Accelerometer Sensor (JL4)
- (6) Inflatable Restraint Sensing and Diagnostic Module (SDM)
- (7) Inflatable Restraint Roof Rail Module - Right Rear (ASF with YA2)
- (8) Fuse Block - Body

## Driver Seat



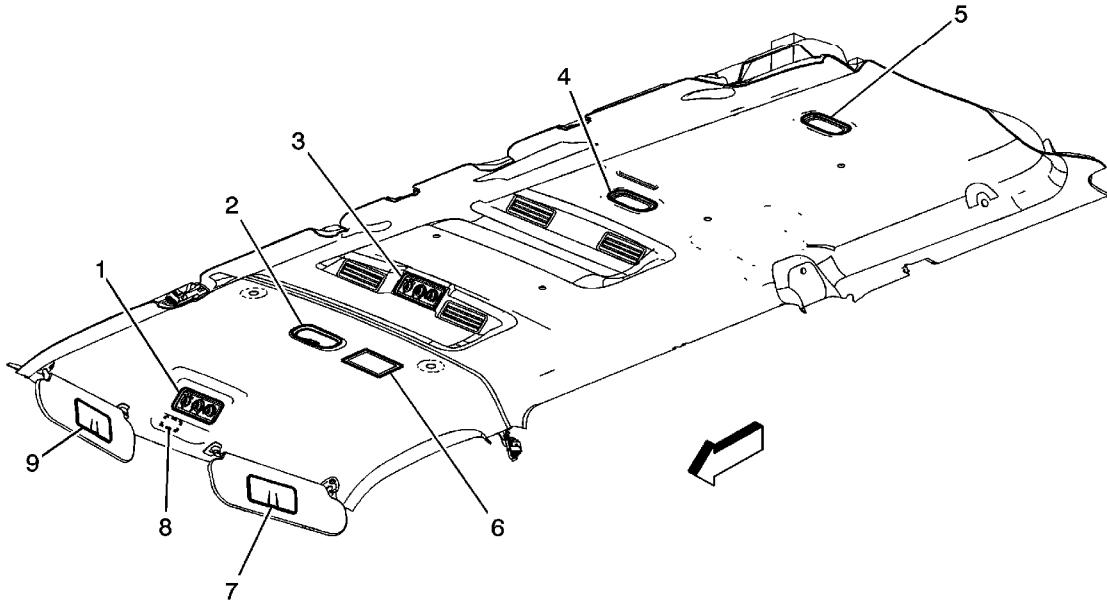
- (1) Seat Belt Buckle - Driver (Light Duty)
- (2) Seat Belt Pretensioner - Driver (Light Duty)
- (3) Seat Adjuster Switch - Driver (AG1)
- (4) X307
- (5) Seat Adjuster Motor Assembly - Driver (AG1)
- (6) Inflatable Restraint Seat Position Sensor (SPS) - Driver (Light Duty)
- (7) Seat Belt Buckle - Driver (Heavy Duty)

## Passenger Seat



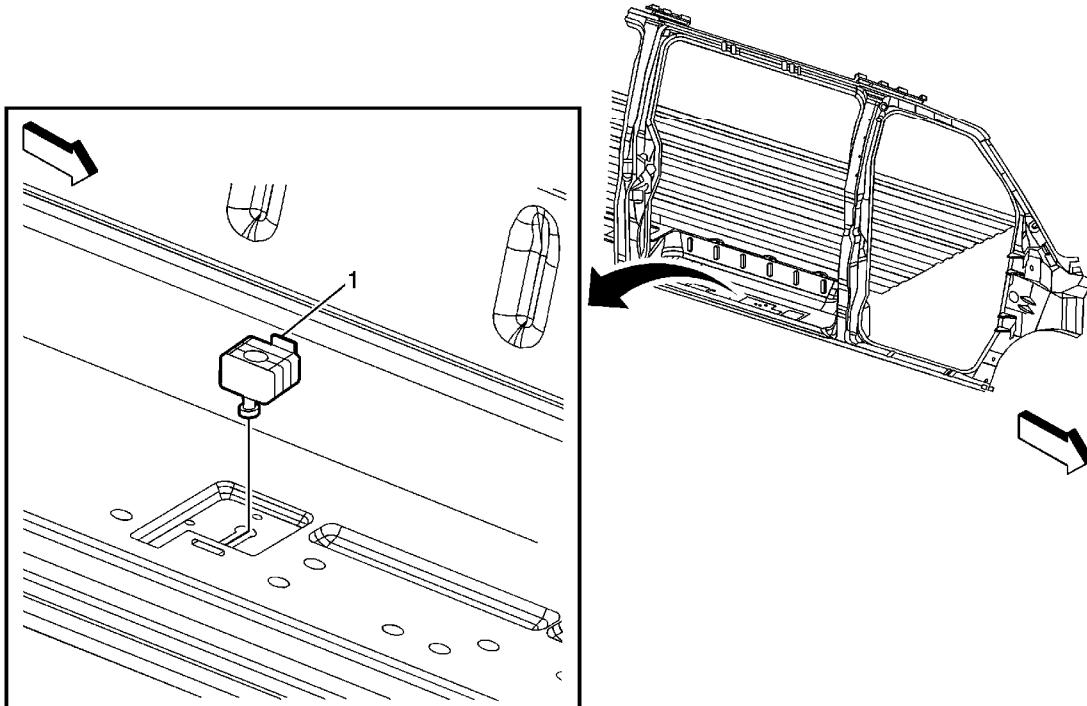
- (1) Seat Adjuster Switch - Passenger (AG2)
- (2) X306
- (3) Inflatable Restraint Front Passenger Presence System (PPS) Sensor (Light Duty without YF7)
- (4) Seat Belt Pretensioner - Passenger (Light Duty)
- (5) Seat Belt Buckle - Passenger
- (6) Inflatable Restraint Seat Position Sensor (SPS) - Passenger (Light Duty)
- (7) Seat Adjuster Motor Assembly - Passenger (AG2)

## Headliner



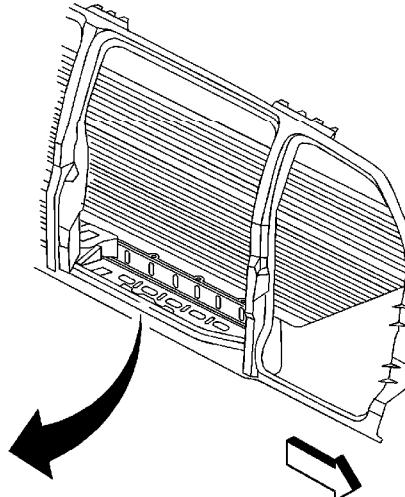
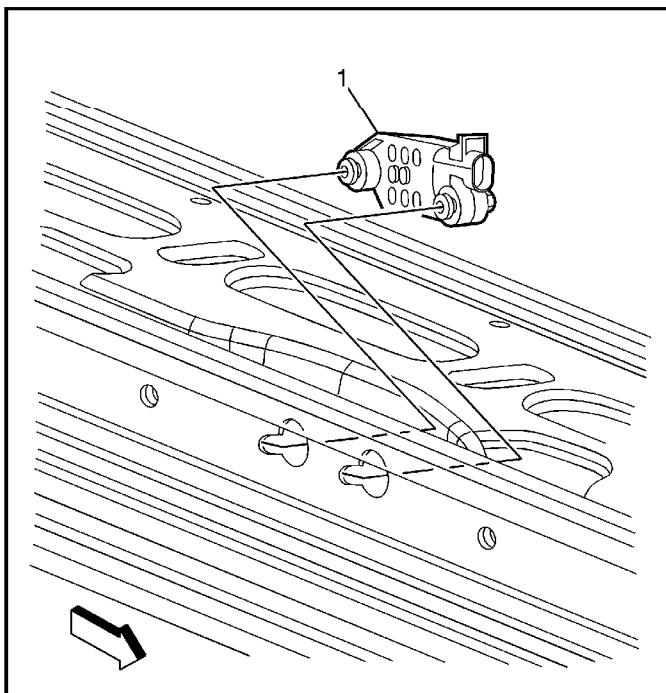
- (1) HVAC Control Assembly - Front Auxiliary (C69)
- (2) Dome/Reading Lamp - Front
- (3) HVAC Control Assembly - Rear Auxiliary (C69 with Rear Auxiliary Controls)
- (4) Dome/Reading Lamp - Middle (Passenger)
- (5) Dome/Reading Lamp - Rear (Passenger)/Dome Lamp (Cargo)
- (6) Electronic Compass Module (U80)
- (7) Sunshade - Right (DH6)
- (8) HVAC Control Module - Auxiliary (C69 with Rear Auxiliary Controls)
- (9) Sunshade - Left (DH6 with YF7)

## Right Rear Frame Rail (Passenger with E24)



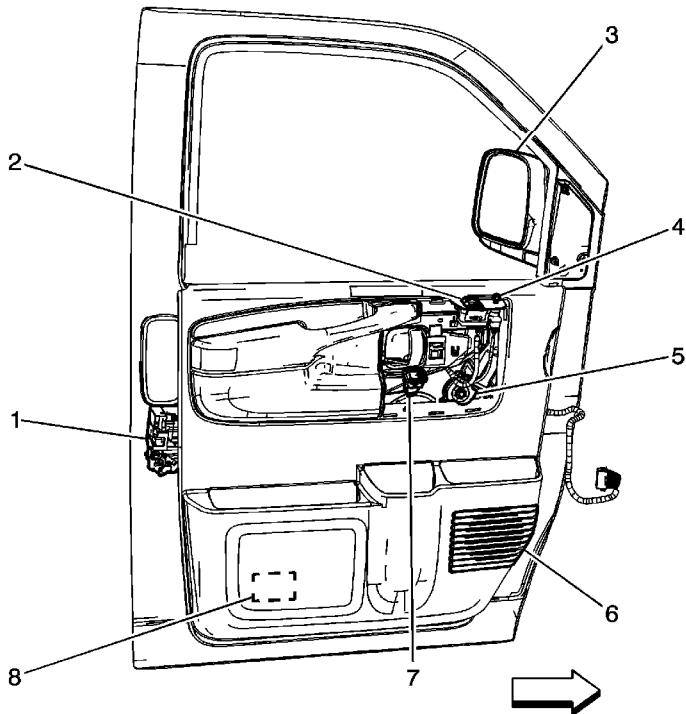
(1) Inflatable Restraint Side Impact Sensor (SIS) - Right Rear (ASF)

## Right Rear Frame Rail (Passenger with YA2)



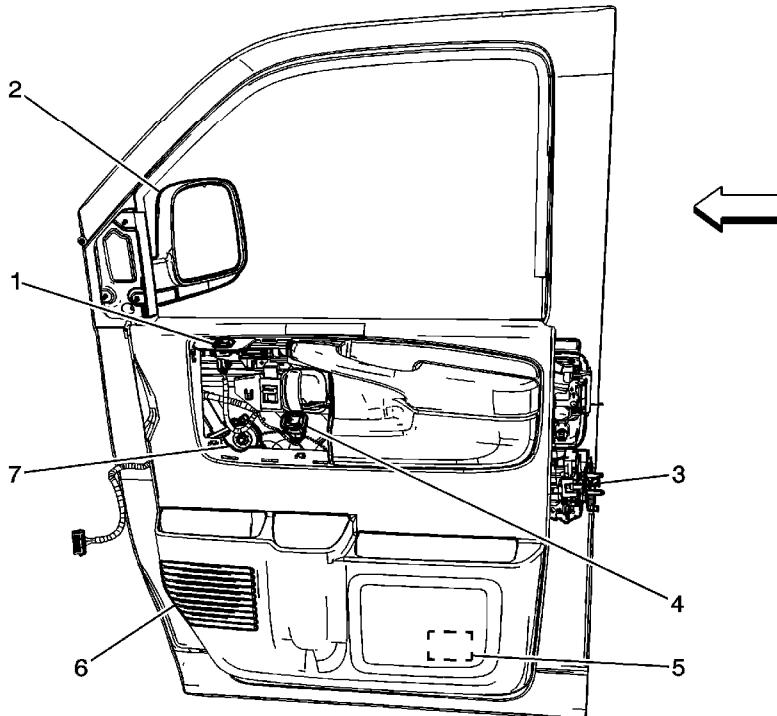
(1) Inflatable Restraint Side Impact Sensor (SIS) - Right Rear (ASF)

## Driver Door



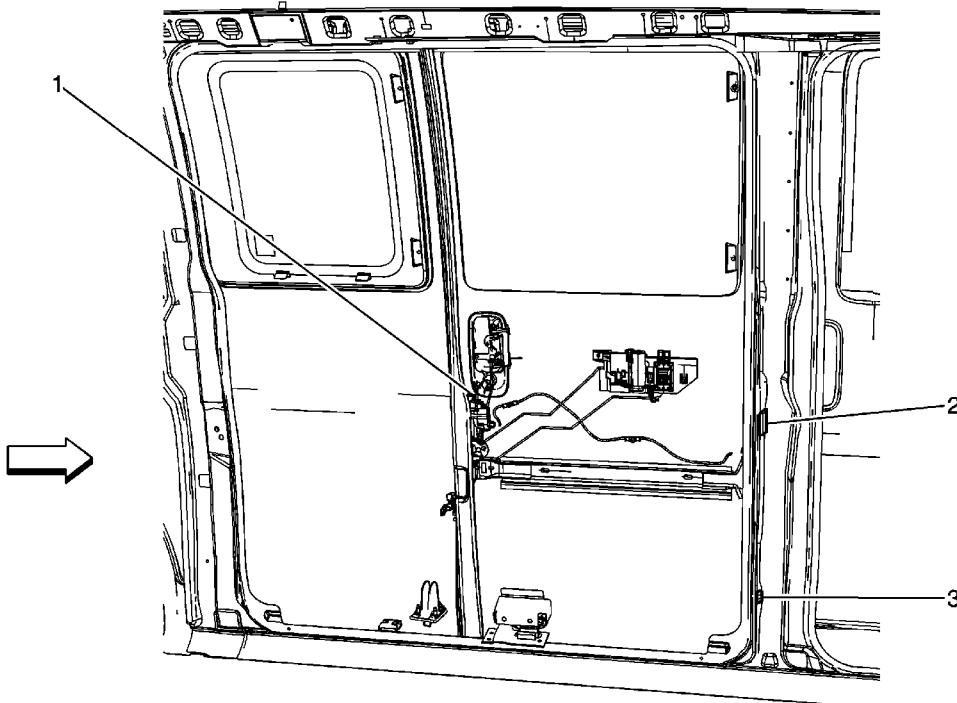
- (1) Door Latch - Driver
- (2) Window Switch - Driver (A31)
- (3) Outside Rearview Mirror - Driver (DE5/DE7)
- (4) Outside Rearview Mirror Switch (DE5/DE7)
- (5) Window Motor - Driver (A31)
- (6) Speaker - Left Front
- (7) Door Lock Switch - Driver (AU3)
- (8) Inflatable Restraint Side Impact Sensor (SIS) - Left Front (ASF)

## Front Passenger Door



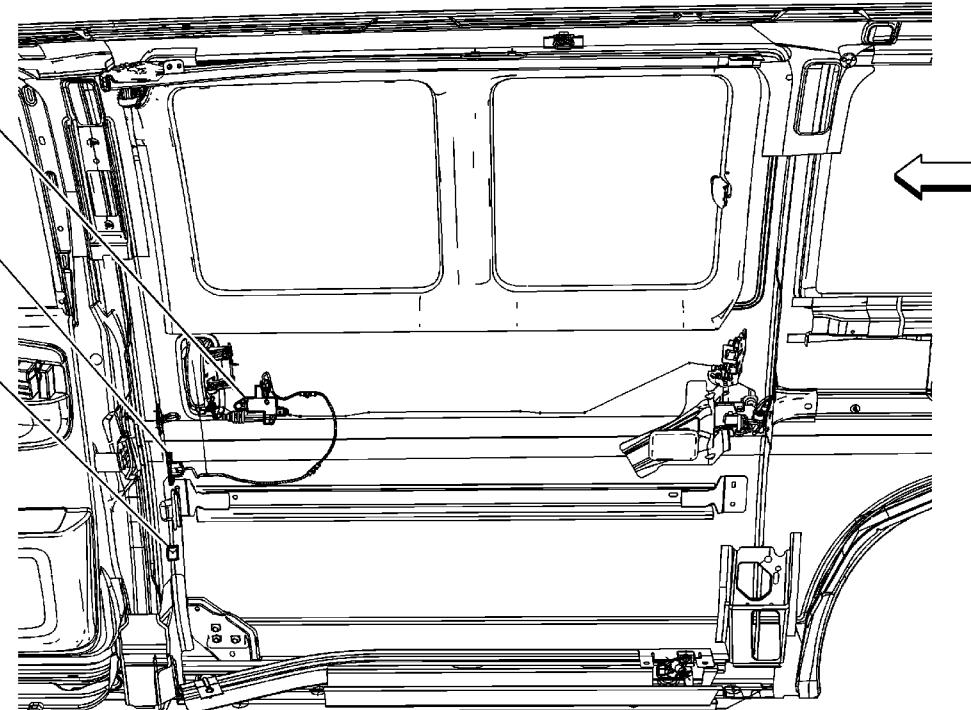
- (1) Window Switch - Passenger (A31)
- (2) Outside Rearview Mirror - Passenger (DE5/DE7)
- (3) Door Latch - Passenger
- (4) Door Lock Switch - Passenger (AU3)
- (5) Inflatable Restraint Side Impact Sensor (SIS) - Right Front (ASF)
- (6) Speaker - Right Front
- (7) Window Motor - Passenger (A31)

## Left Side Door (E26)



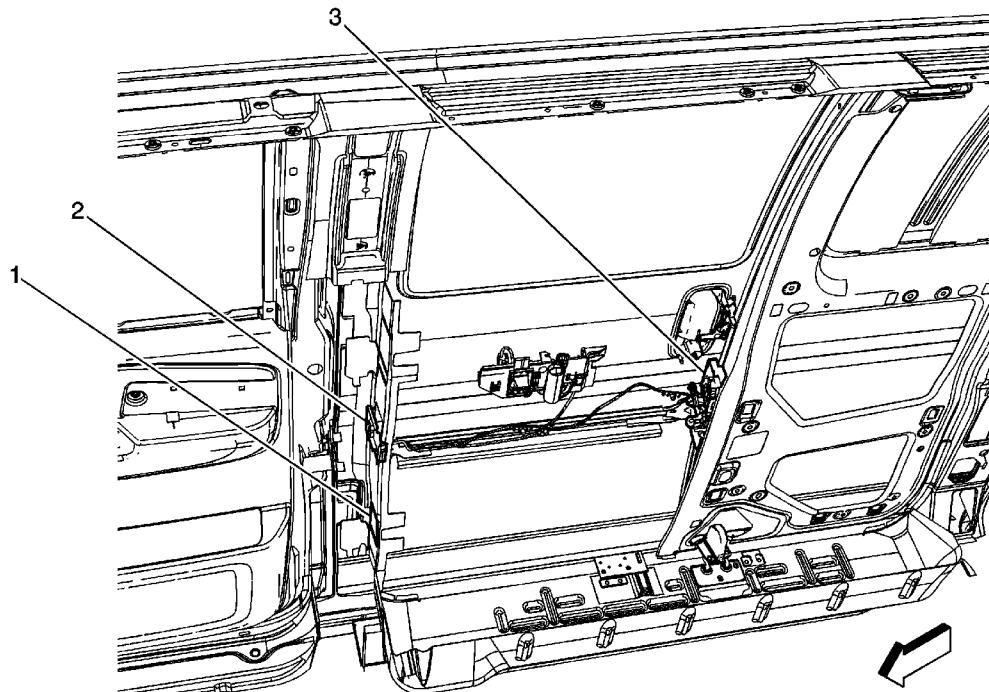
- (1) Door Lock Actuator - Left Rear (AU3)
- (2) Door Contact Plate - Left (AU3)
- (3) Door Jamb Switch - Left Rear

## Right Sliding Door (YA2)



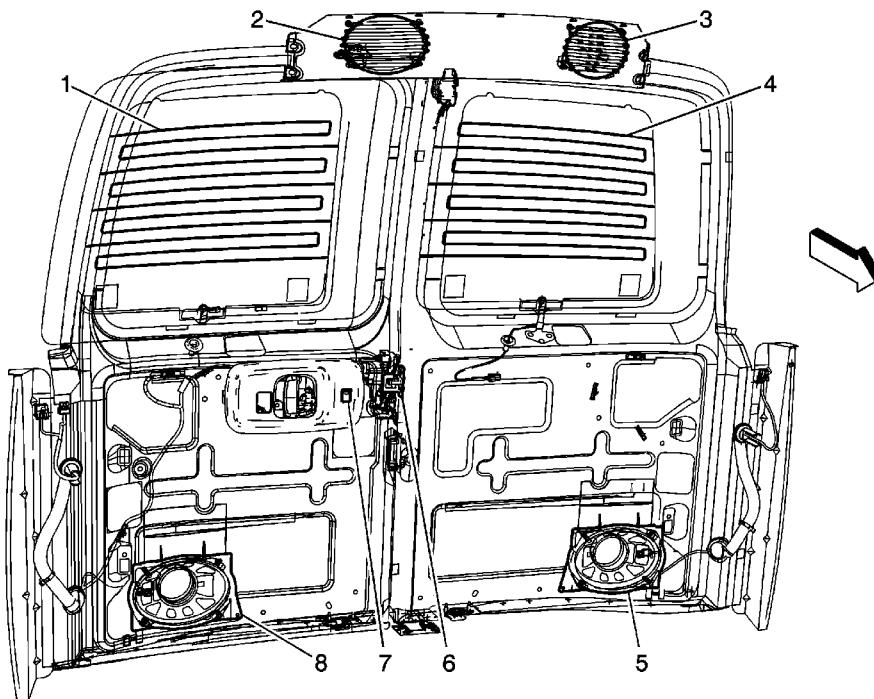
- (1) Door Jamb Switch - Right Rear
- (2) Door Contact Plate - Right (AU3)
- (3) Door Lock Actuator - Right Rear (AU3)

## Right Side Door (E24)



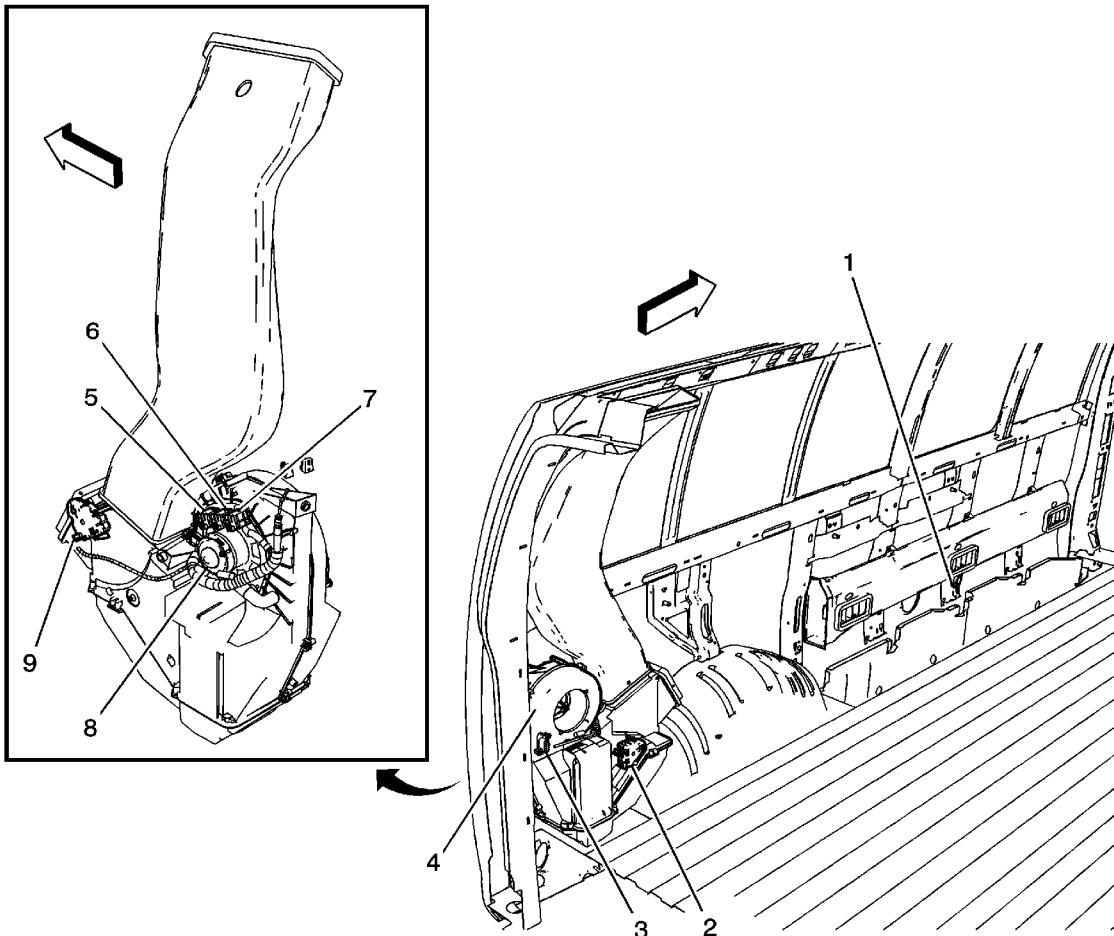
- (1) Door Jamb Switch - Right Rear
- (2) Door Contact Plate - Right (AU3)
- (3) Door Lock Actuator - Right Rear (AU3)

## Rear Doors (Passenger/Cargo)



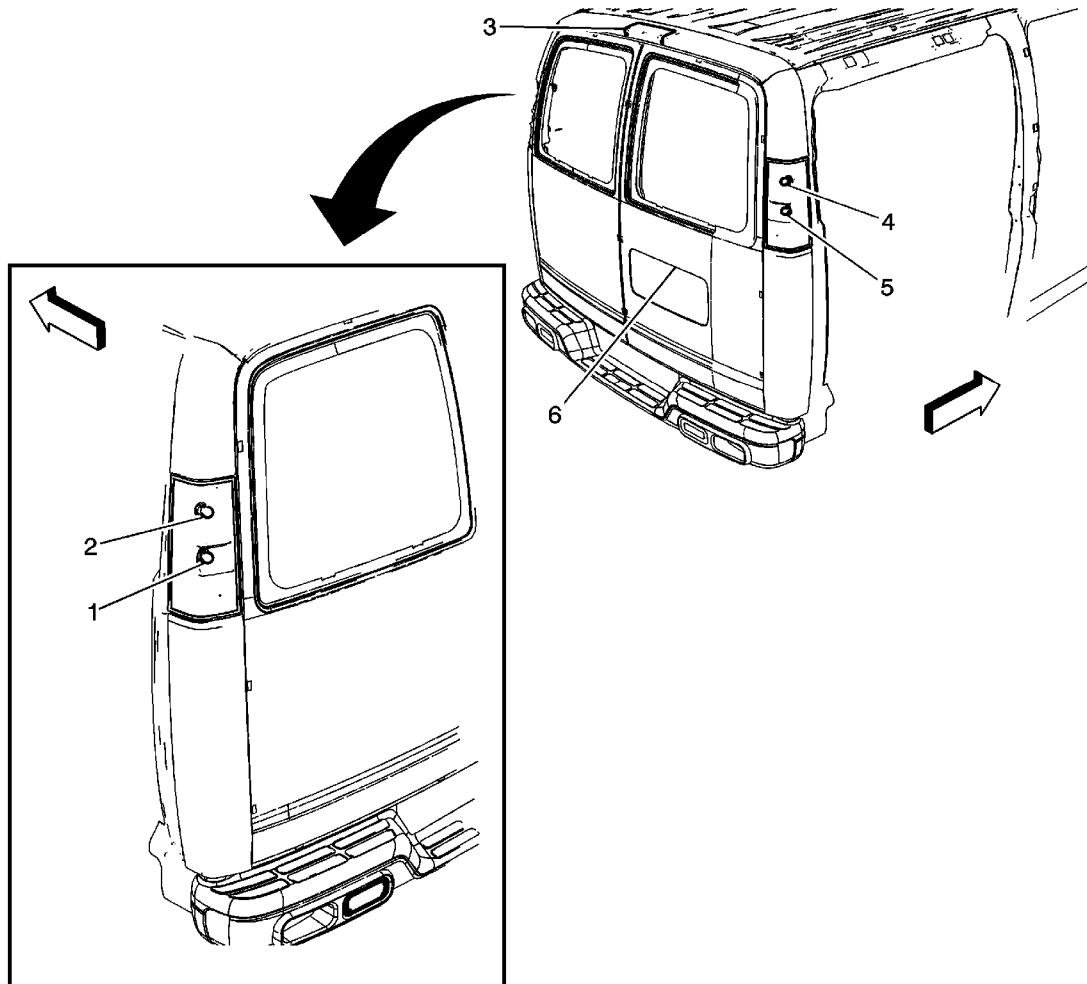
- (1) Rear Window Defogger Grid - Right (C49)
- (2) Speaker - Right Rear
- (3) Speaker - Left Rear
- (4) Rear Window Defogger Grid - Left (C49)
- (5) Speaker - Left Cargo Door (US8/US9)
- (6) Door Latch - Cargo
- (7) Door Lock Switch - Cargo (AU3)
- (8) Speaker - Right Cargo Door (US8/US9)

## Left Rear Cargo Area (Passenger/Cargo)



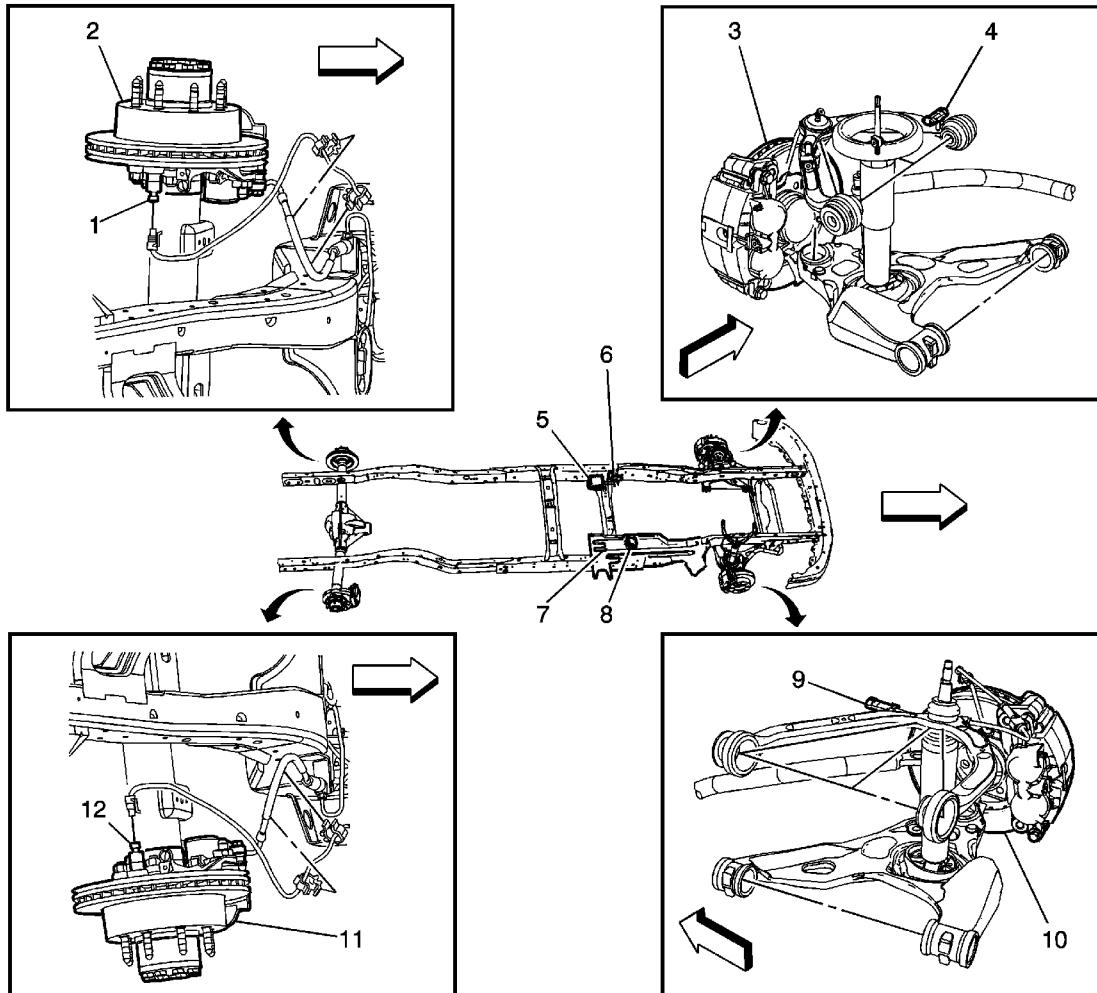
- (1) Inflatable Restraint Side Impact Sensor (SIS) - Left Rear (Passenger with ASF without E26)
- (2) Air Temperature Actuator - Auxiliary (C69)
- (3) Blower Motor Resistor - Auxiliary (C36/C69)
- (4) HVAC Control Module - Auxiliary (C69)
- (5) Blower Motor High Speed Relay - Auxiliary (C36/C69)
- (6) Blower Motor Medium Speed Relay - Auxiliary (C36/C69)
- (7) Blower Motor Low Speed Relay - Auxiliary (C36/C69)
- (8) Blower Motor - Auxiliary (C36/C69)
- (9) Mode Actuator - Auxiliary (C69)

## Rear Exterior Lights (Passenger/Cargo)



- (1) Backup Lamp - Left
- (2) Tail/Stop and Turn Signal Lamp - Left
- (3) Center High Mounted Stop Lamp (CHMSL)
- (4) Tail/Stop and Turn Signal Lamp - Right
- (5) Backup Lamp - Right
- (6) License Lamp

## Frame and Underbody

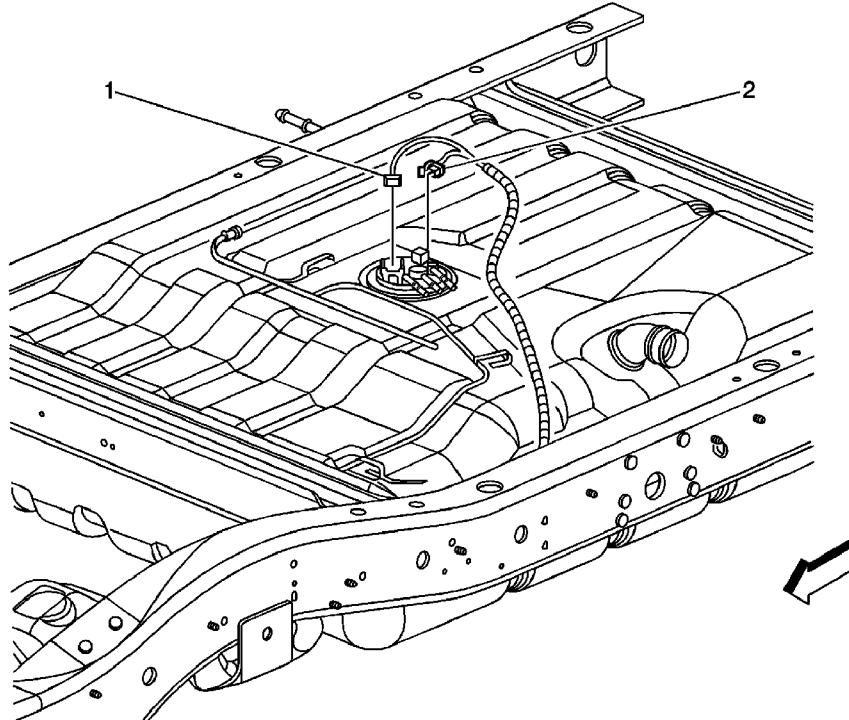


- (1) Wheel Speed Sensor (WSS) - Left Rear (JL4)
- (2) Rotor - Left Rear
- (3) Rotor - Left Front
- (4) Wheel Speed Sensor (WSS) - Left Front
- (5) Electronic Brake Control Module (EBCM)
- (6) Brake Pressure Differential Switch (Light Duty)
- (7) Floor Panel - Right Front
- (8) Yaw and Lateral Accelerometer Sensor (JL4)
- (9) Wheel Speed Sensor (WSS) - Right Front
- (10) Rotor - Right Front
- (11) Rotor - Right Rear

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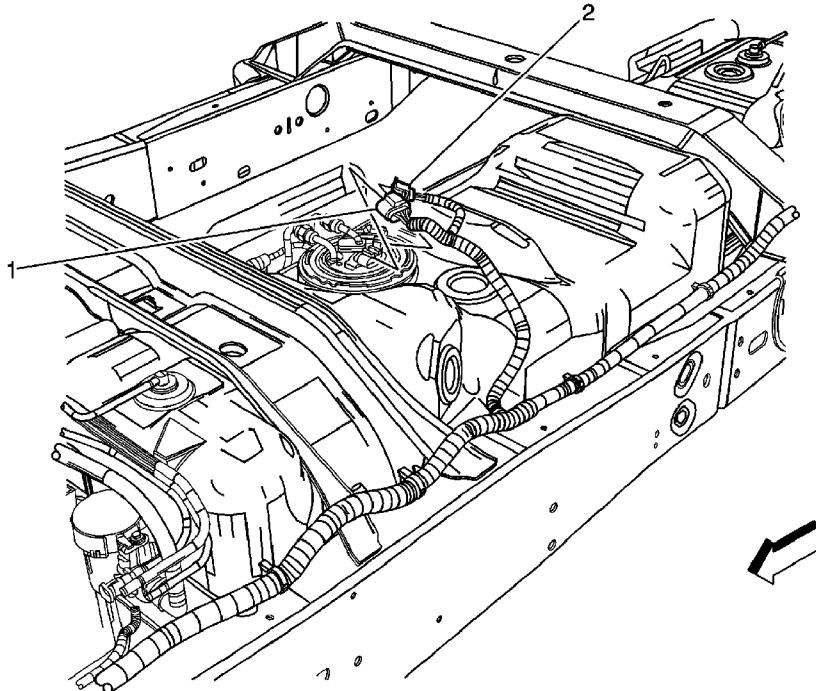
(12) Wheel Speed Sensor (WSS) - Right Rear (JL4)

## Fuel Tank (NE7)



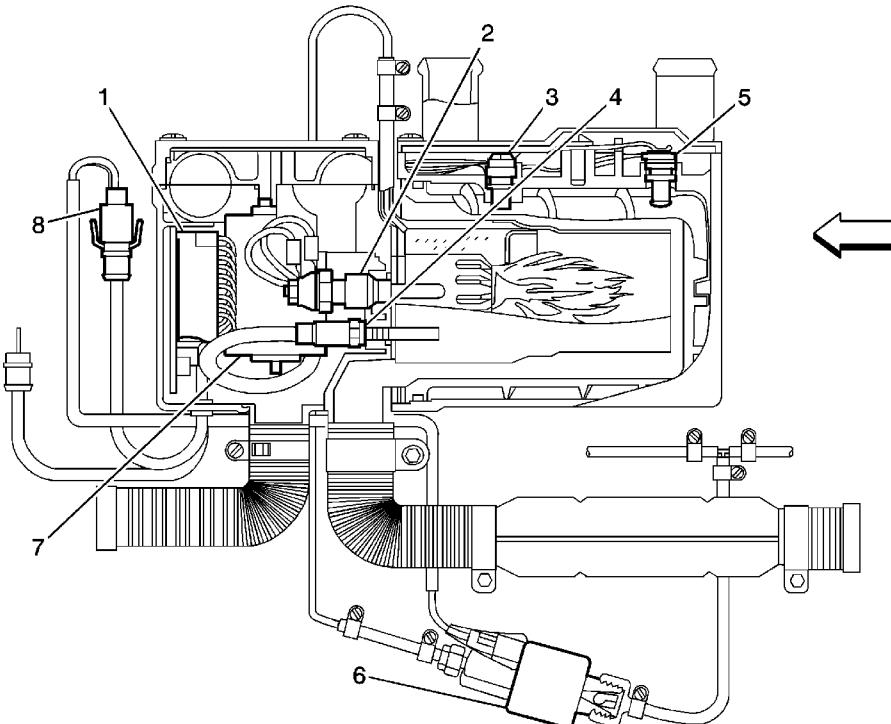
- (1) Fuel Tank Pressure (FTP) Sensor Connector (Gas)
- (2) Fuel Pump and Sender Assembly Connector (Gas)/Fuel Level Sensor (Diesel)

## Fuel Tank (without NE7)



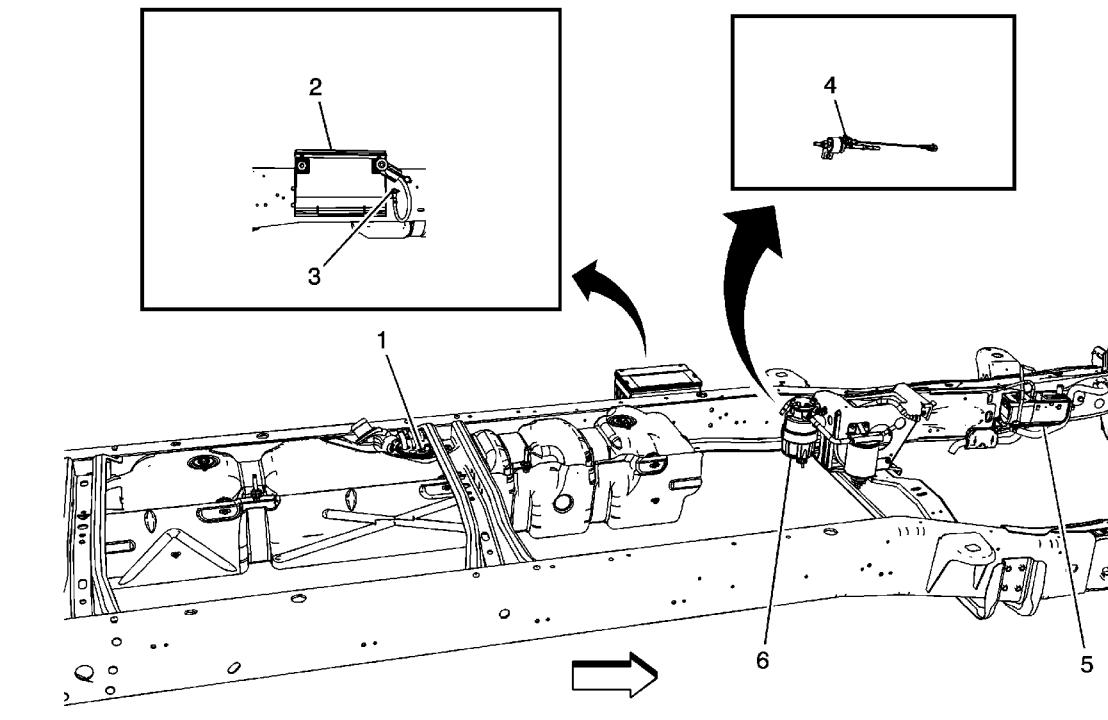
- (1) Fuel Pump and Sender Assembly Connector (Gas)/Fuel Level Sensor (Diesel)
- (2) Fuel Tank Pressure (FTP) Sensor Connector (Gas)

## Coolant Heater (K08)



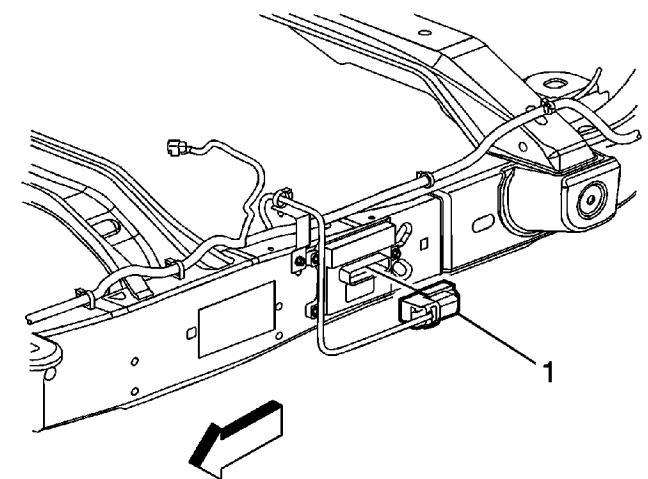
- (1) Coolant Heater Control Module
- (2) Coolant Heater Glow Plug
- (3) Coolant Heater Air Temperature Sensor (Coolant Heater Temperature Sensor)
- (4) Coolant Heater Combustion Sensor
- (5) Coolant Heater Air Temperature Sensor (Coolant Heater Overheat Temperature Sensor)
- (6) Coolant Heater Fuel Pump
- (7) Coolant Heater Blower Motor

## Left Side Frame (6.6L)



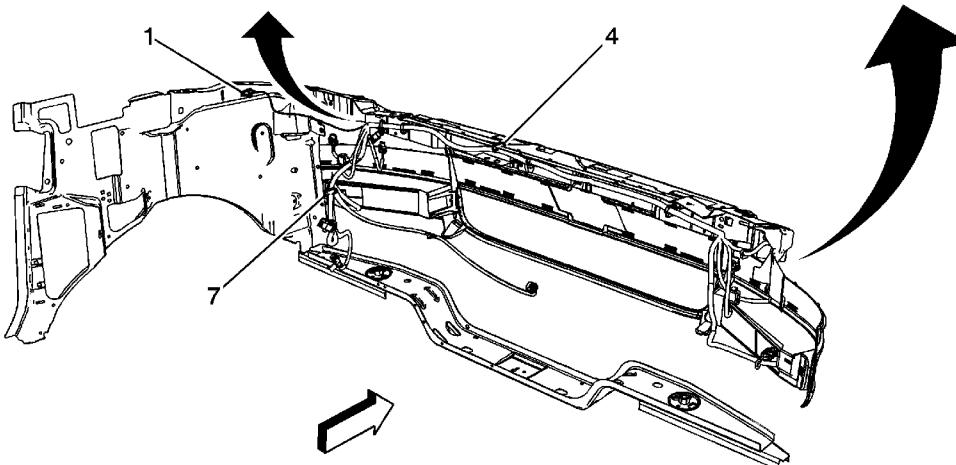
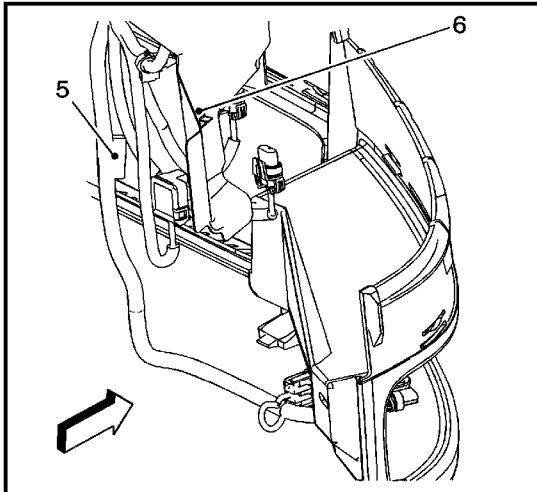
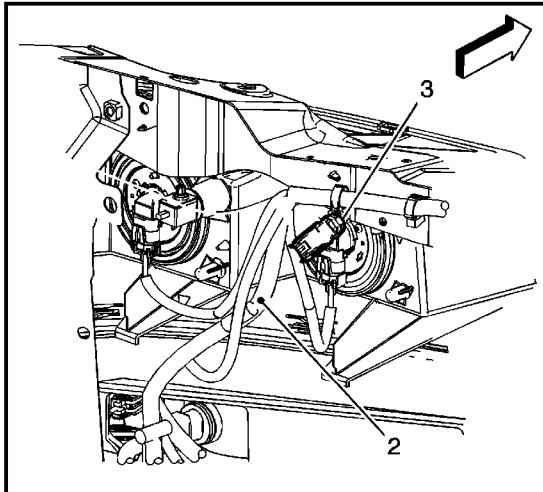
- (1) Fuel Level Sensor Connector
- (2) Battery - Auxiliary
- (3) G305
- (4) Coolant Heater Fuel Pump (K08)
- (5) Coolant Heater (K08)
- (6) Fuel Pump

## Left Rear Frame Rail (5.3L)



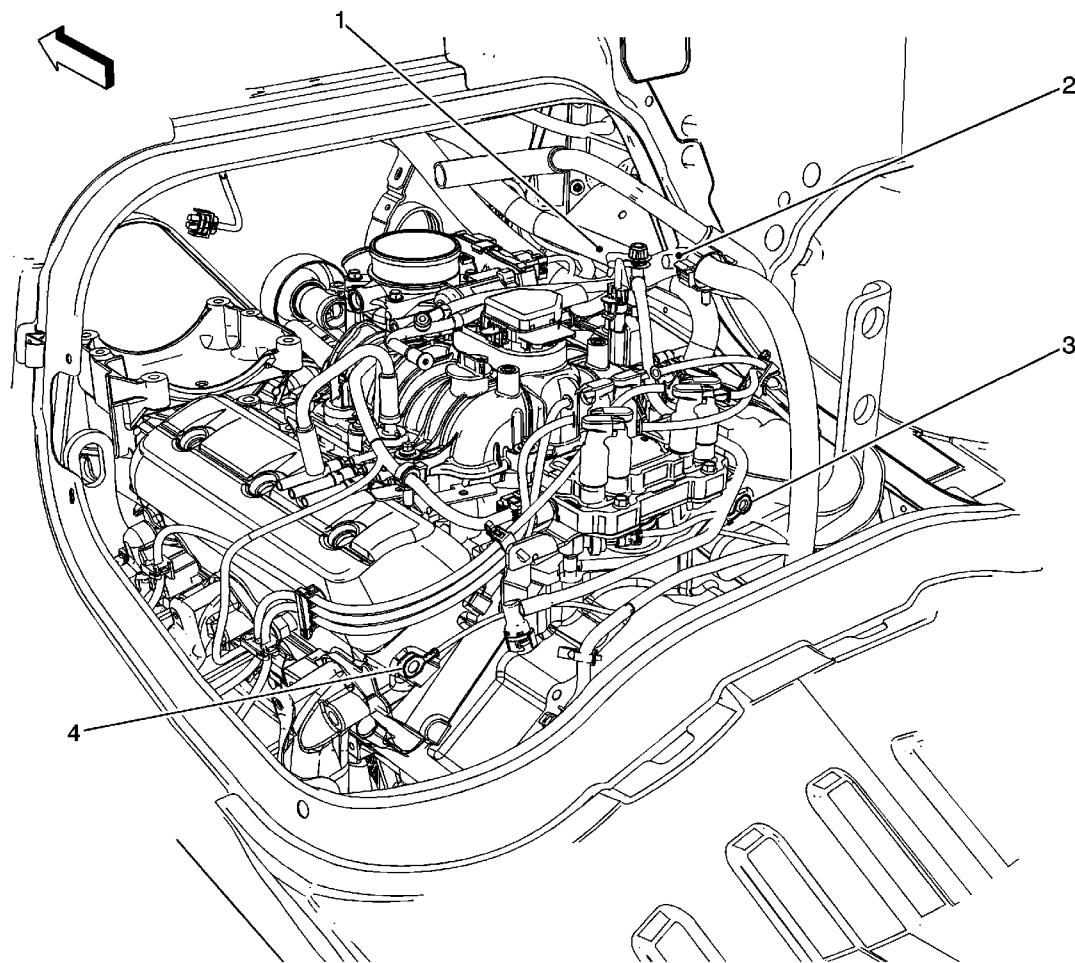
(1) Fuel Pump Flow Control Module

## Forward Lamp Harness



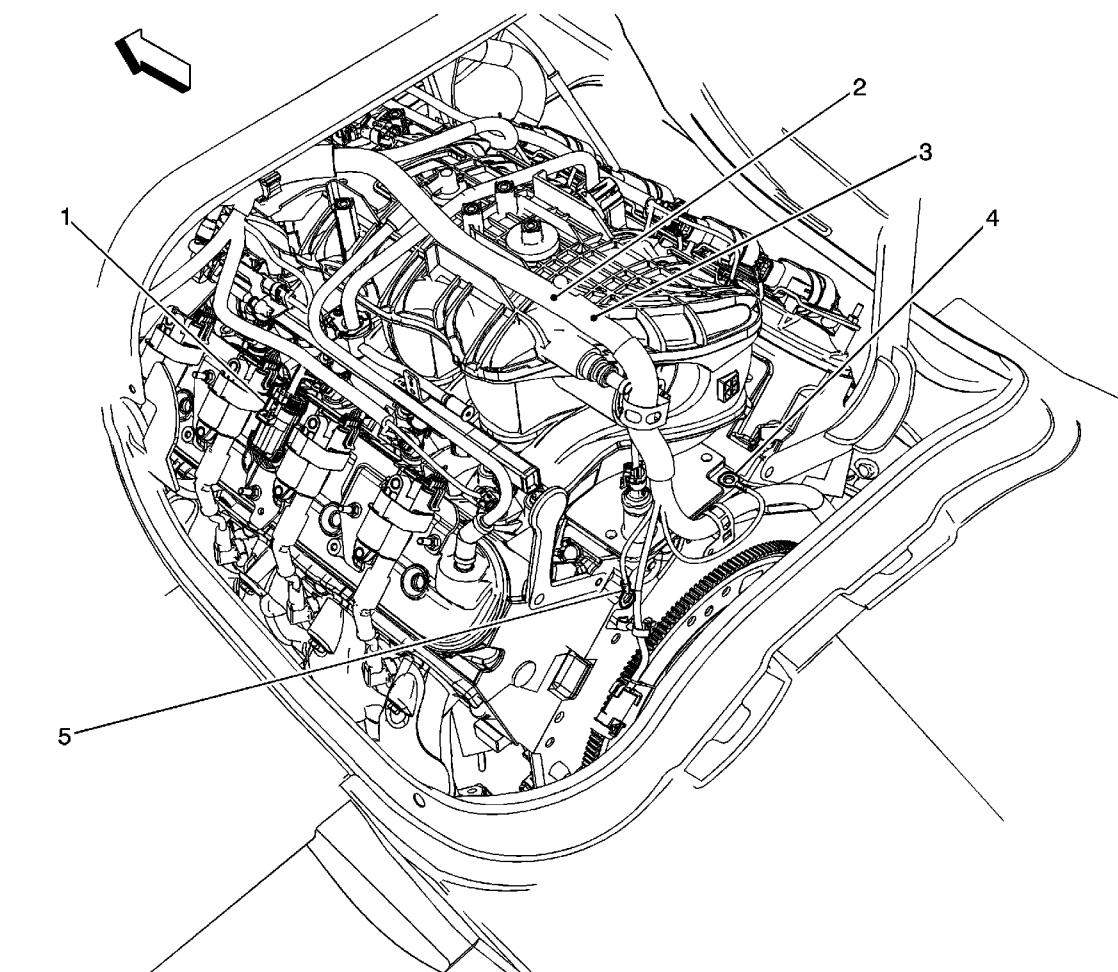
- (1) G100
- (2) J110
- (3) X150 (UFA)
- (4) J121
- (5) J118
- (6) G101
- (7) J122

## Engine - Left Rear (4.3L)



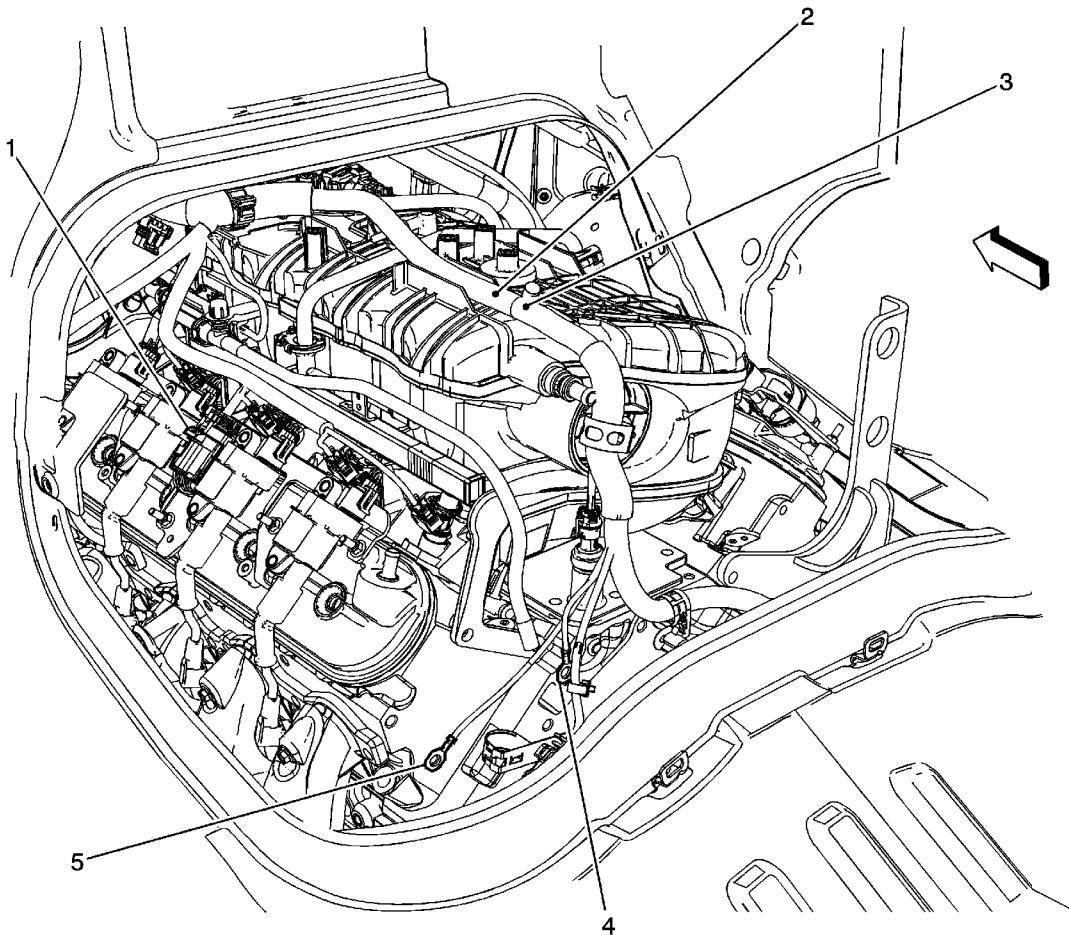
- (1) J101
- (2) J102
- (3) G102
- (4) G103

## **Engine - Left Rear (5.3L)**



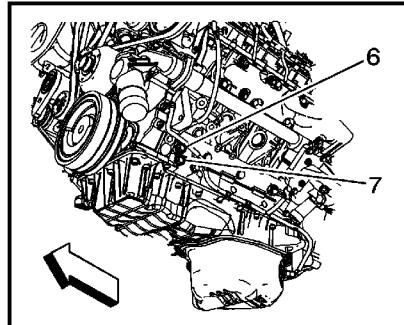
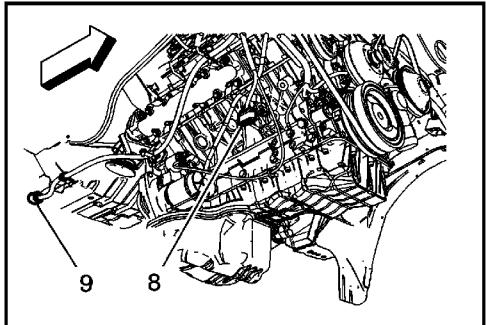
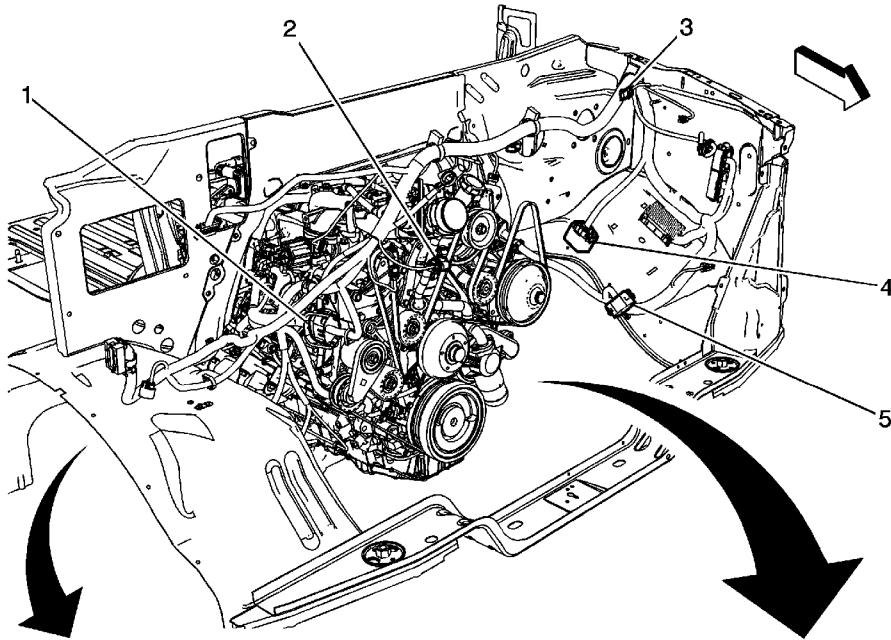
- (1) X126
- (2) J102
- (3) J101
- (4) G102
- (5) G103

## Engine-Left Rear (4.8L/6.0L)



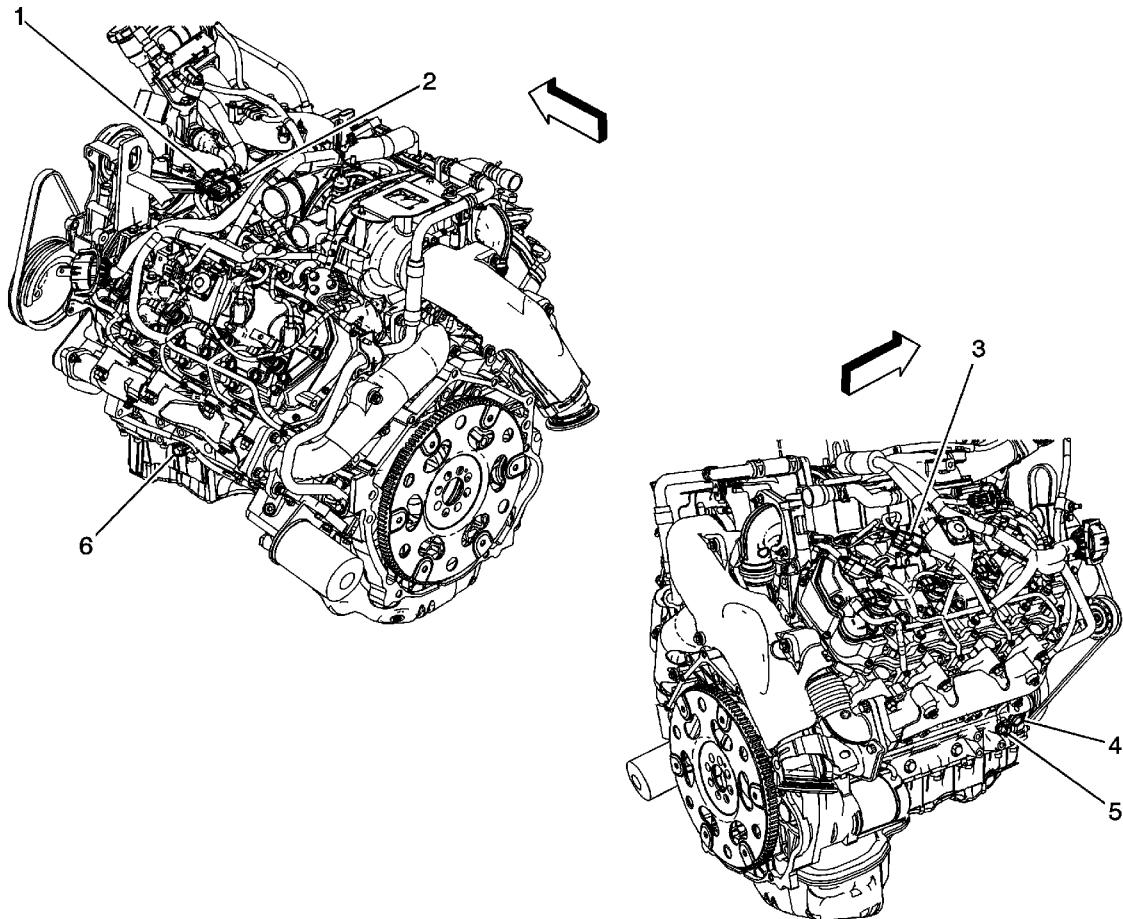
- (1) X126
- (2) J101
- (3) J102
- (4) G103
- (5) G102

## Engine Harness - Front View (6.6L)



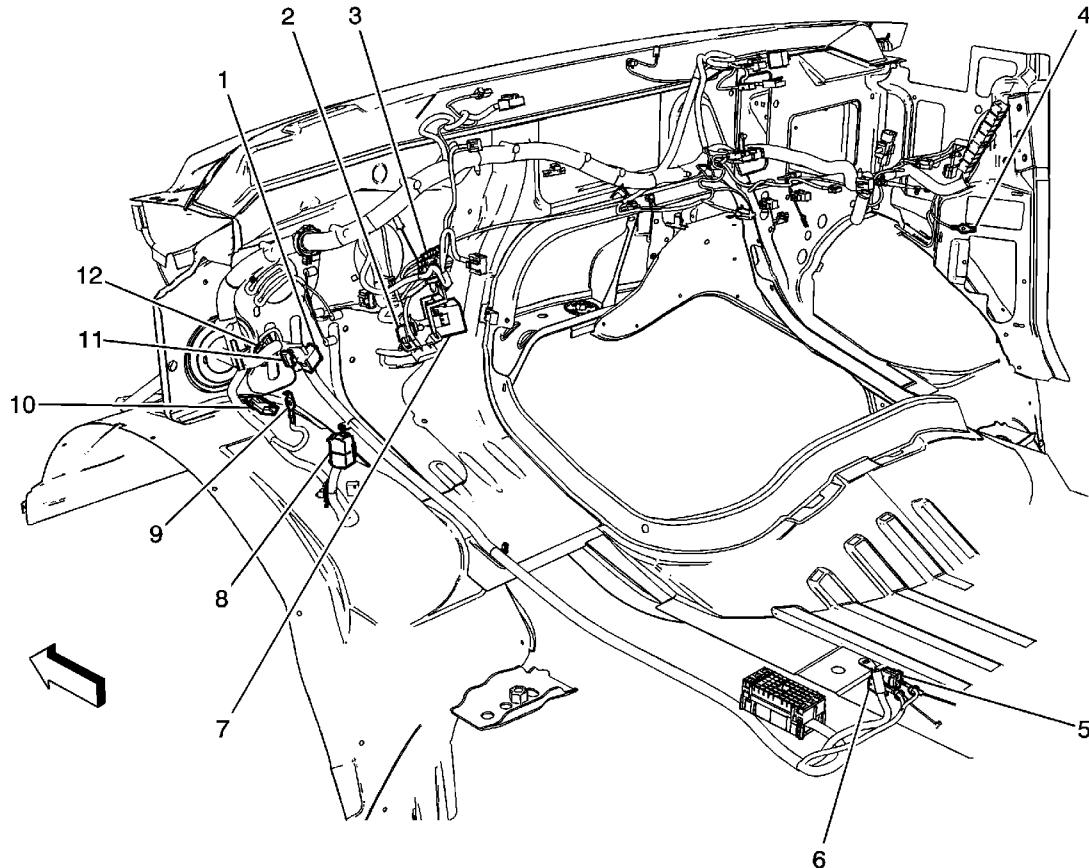
- (1) X108
- (2) X142
- (3) X109
- (4) X101
- (5) X100
- (6) G102
- (7) G103
- (8) X105
- (9) X115

## Engine - Part of Assembly (POA) (6.6L)



- (1) X110
- (2) X111
- (3) X112
- (4) G108
- (5) G104
- (6) G107

## Instrument Panel Harness - Passenger Compartment

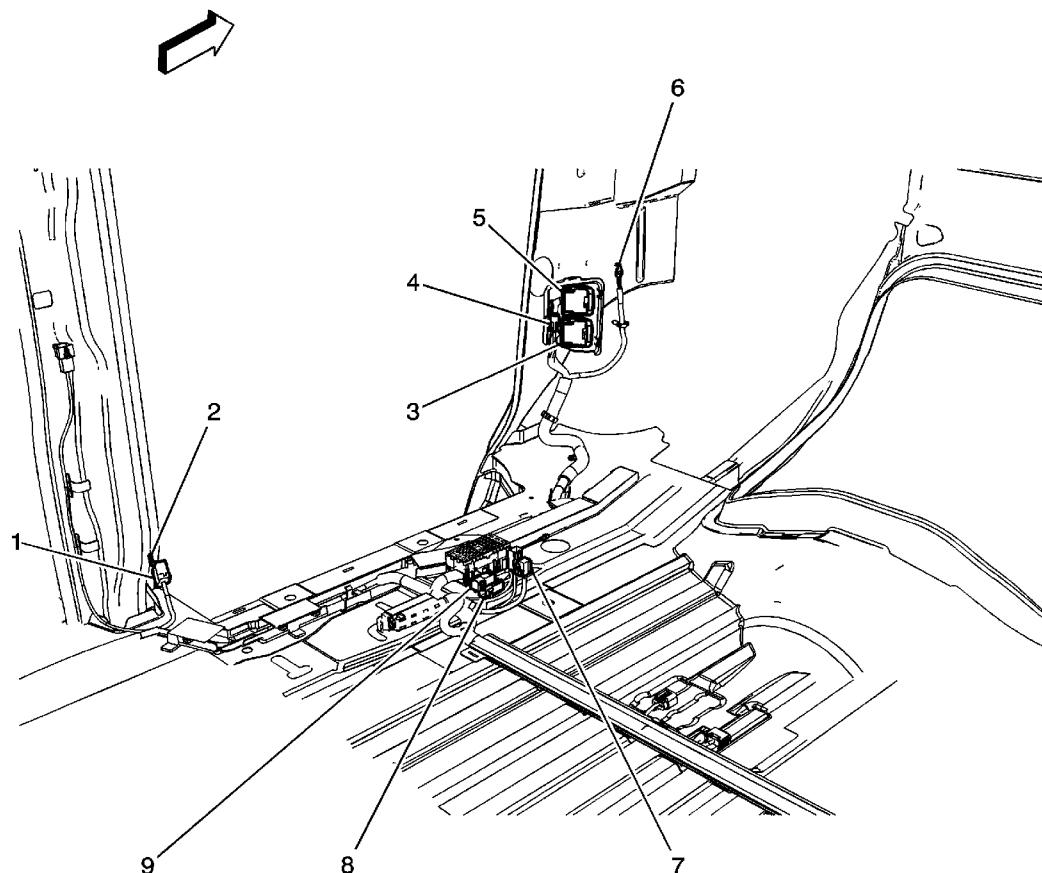


- (1) JX250
- (2) X221
- (3) X276
- (4) G304
- (5) X331
- (6) X330
- (7) X200
- (8) X318 (Passenger/Cargo)
- (9) G301/G302
- (10) X222 (YF2/YF7)
- (11) X220

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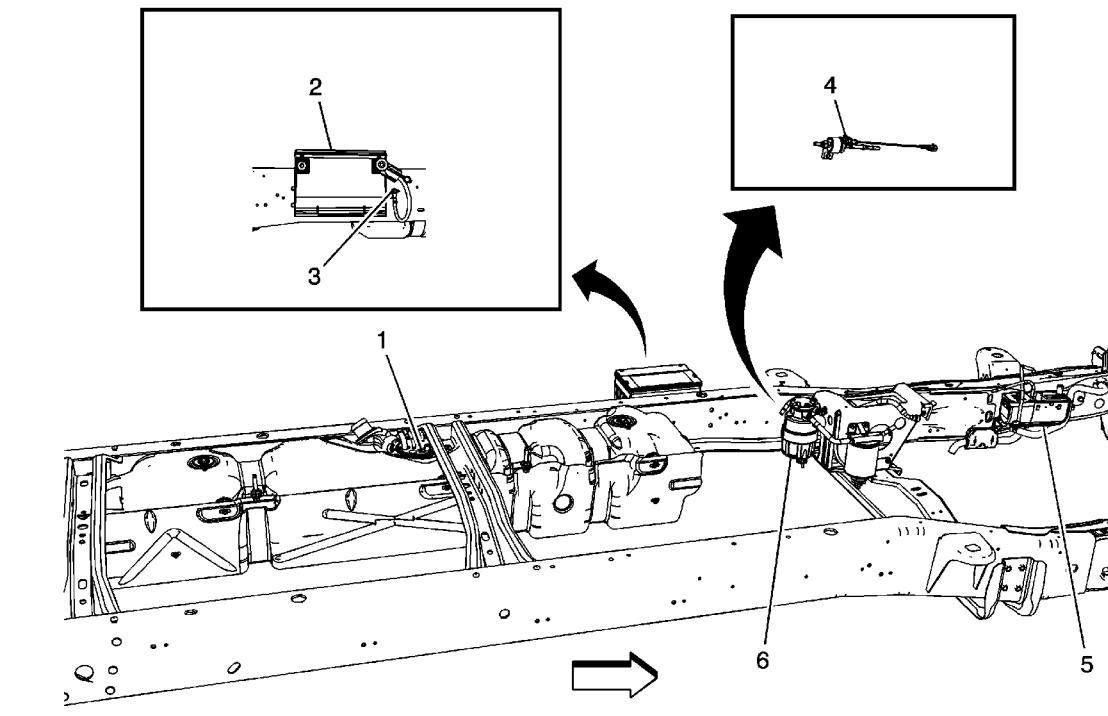
(12) JX200

## Body Harness - Left Front Passenger Compartment



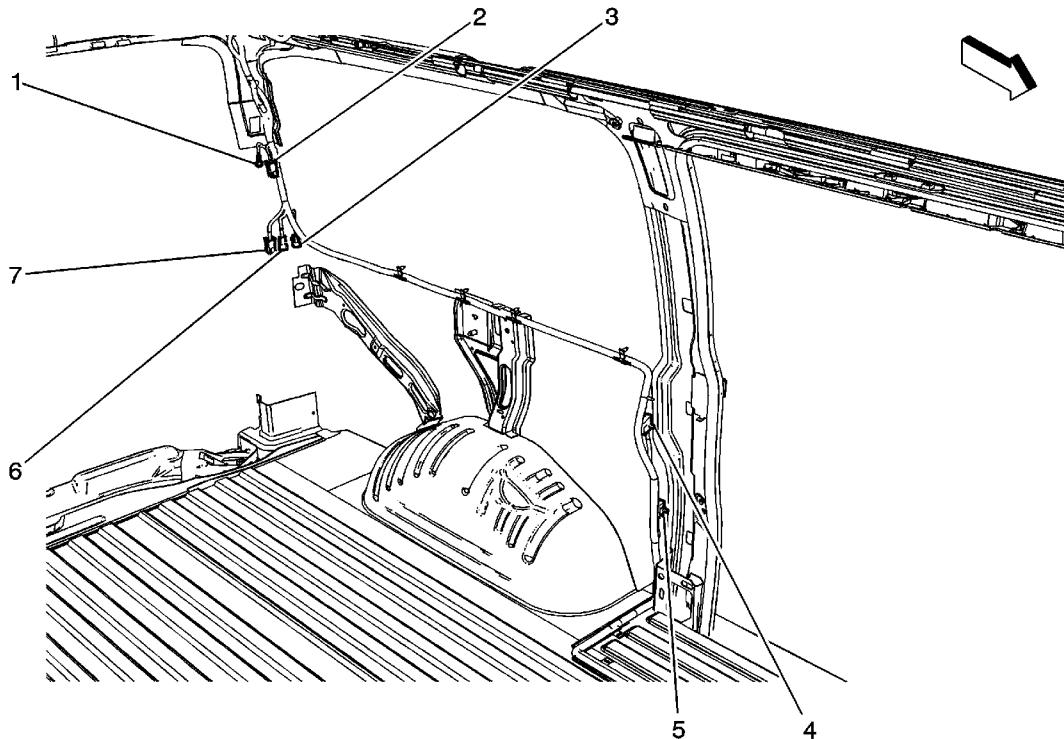
- (1) JX347
- (2) G347
- (3) X500
- (4) X319 (C36/ENC)
- (5) X318 (Passenger/Cargo)
- (6) G301/G302
- (7) X307
- (8) X330
- (9) X331

## Left Side Frame (6.6L)



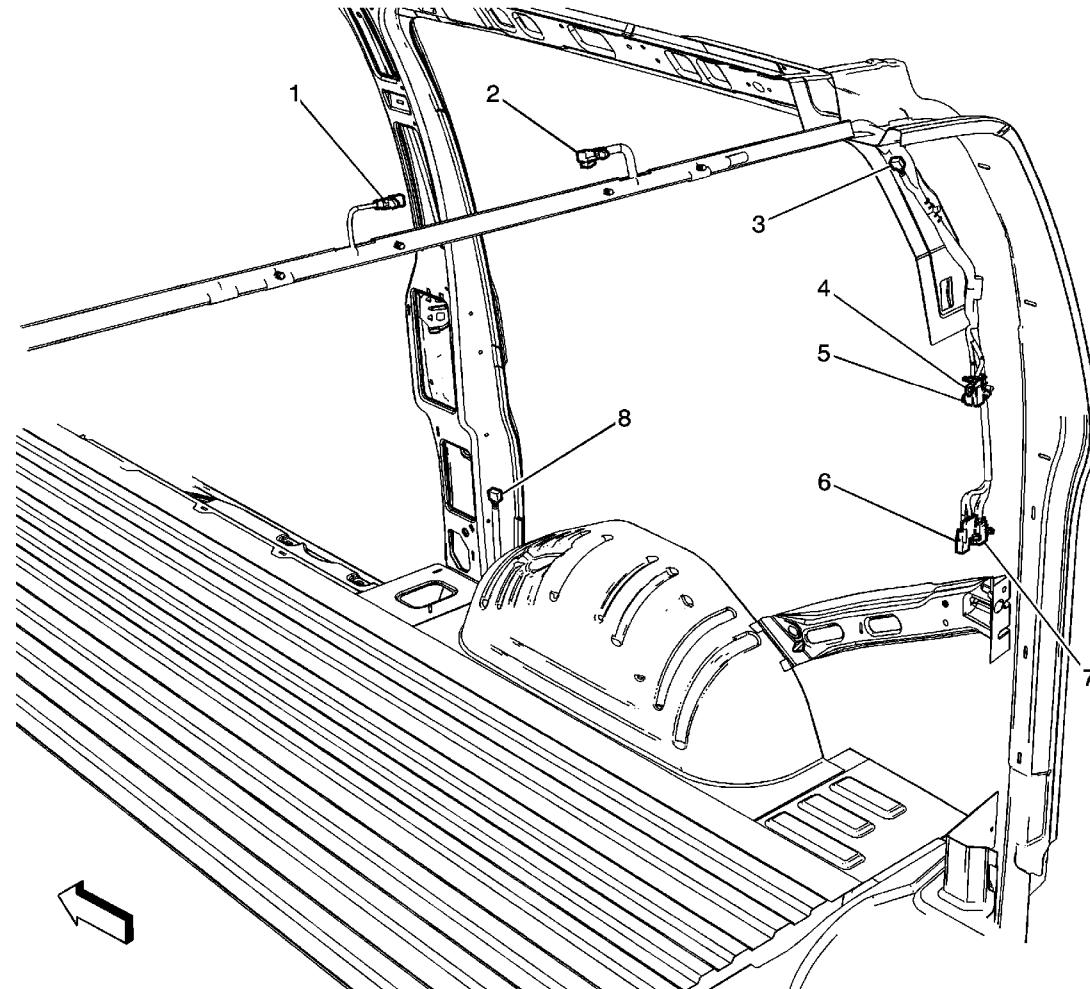
- (1) Fuel Level Sensor Connector
- (2) Battery - Auxiliary
- (3) G305
- (4) Coolant Heater Fuel Pump (K08)
- (5) Coolant Heater (K08)
- (6) Fuel Pump

## Body Harness - Left Rear (Passenger/Cargo)



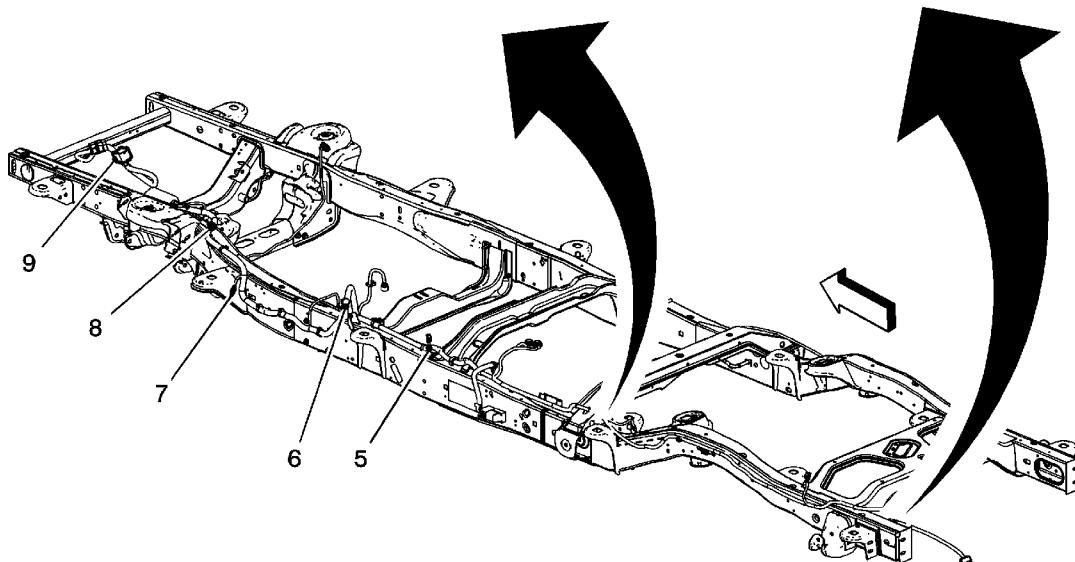
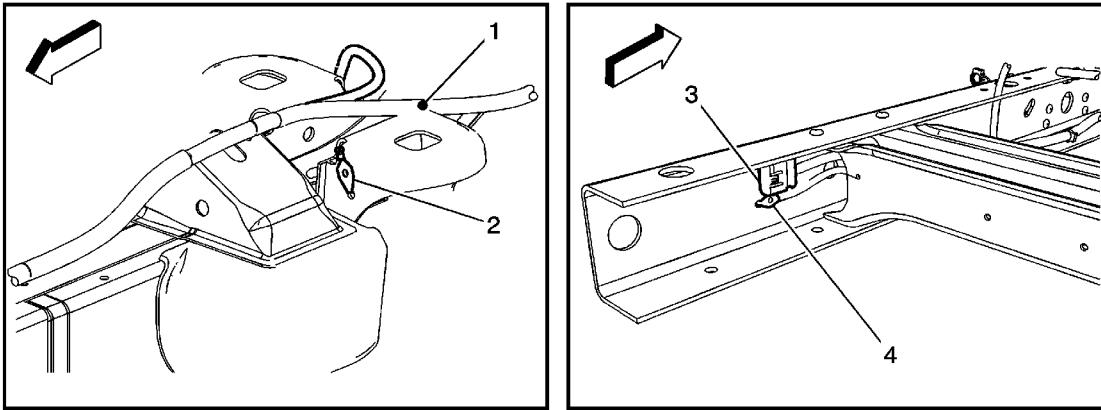
- (1) G402
- (2) X401
- (3) X411
- (4) X321 (YF2/YF7)
- (5) X320 (YF2/YF7)
- (6) X407 (C36/C69)
- (7) X409 (C36/C69)

## Body Harness - Right Rear (Passenger/Cargo)



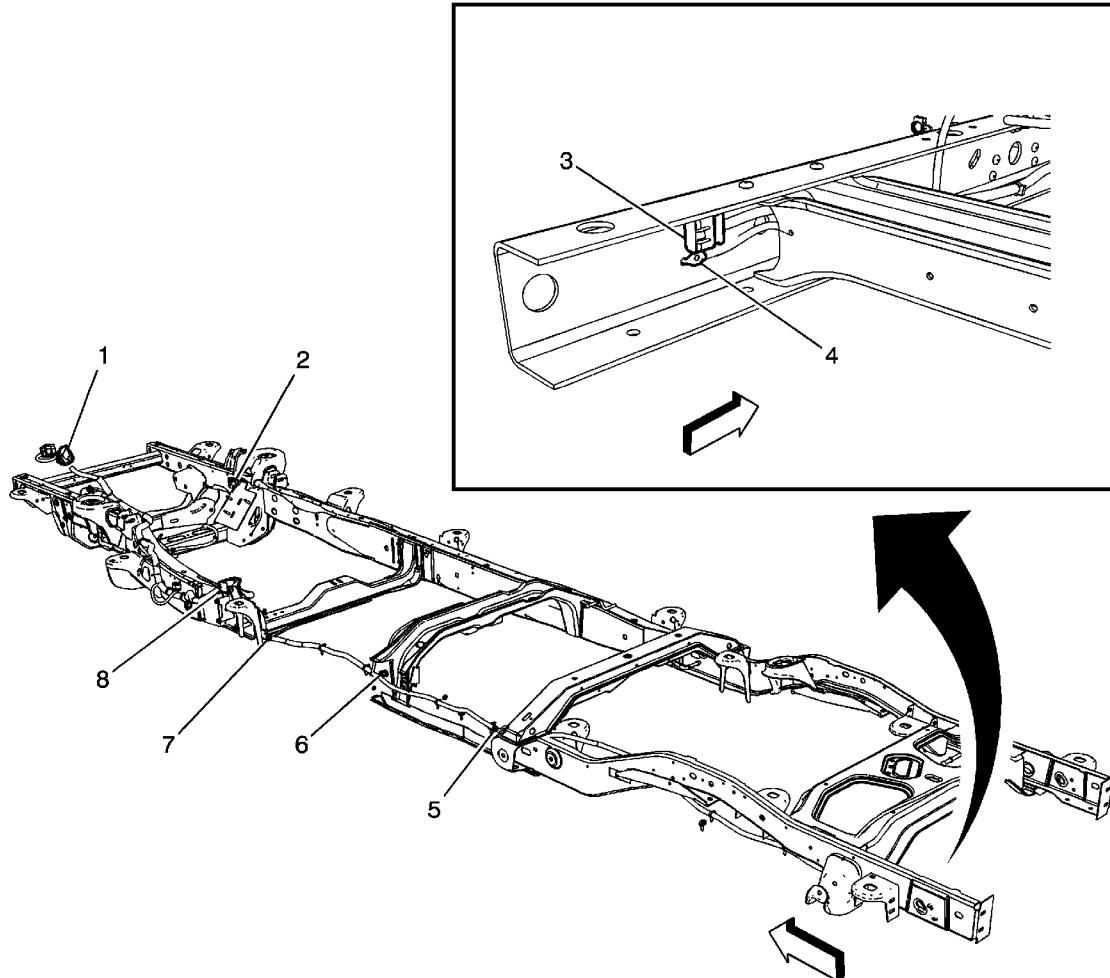
- (1) X419
- (2) X415
- (3) X420
- (4) G401
- (5) X402
- (6) X412
- (7) X400
- (8) X324

## Chassis Harness (4.3L/4.8L/5.3L/6.0L)



- (1) J402
- (2) G400 (Passenger/Cargo)
- (3) X405 (Cutaway)
- (4) G400 (Cutaway)
- (5) J301
- (6) J315 (5.3L)
- (7) G300
- (8) J315 (4.3L/4.8L/6.0L)
- (9) X101

## Chassis Harness (6.6L)



- (1) X101
- (2) X105
- (3) X405 (Cutaway)
- (4) G400 (Cutaway)
- (5) J402
- (6) X305 (K08)
- (7) J119
- (8) X174

## Electrical Center Identification Views

- Connector 1: [Fuse Block - Underhood Label](#)
- Connector 2: [Fuse Block - Underhood Top View](#)
- Connector 3: [Fuse Block - Underhood Bottom View](#)
- Connector 4: [Fuse Block - Underhood X1](#)
- Connector 5: [Fuse Block - Underhood X2](#)
- Connector 6: [Fuse Block - Underhood X3](#)
- Connector 7: [Fuse Block - Underhood X4](#)
- Connector 8: [Fuse Block - Underhood X5](#)
- Connector 9: [Fuse Block - Body Label](#)
- Connector 10: [Fuse Block - Body Top View](#)
- Connector 11: [Fuse Block - Body Bottom View](#)
- Connector 12: [Fuse Block - Body X1](#)
- Connector 13: [Fuse Block - Body X2](#)
- Connector 14: [Fuse Block - Rear \(PRP\) - Top View](#)
- Connector 15: [Fuse Block - Rear \(PRP\) Bottom View](#)

### **Fuse Block - Underhood Label**

**MINI FUSE:**

1	- LT HI BEAM	(10A)	52	- EVEN IGN/INJ (G)	(20A)
2	- FUEL PUMP	(20A)	53	- GLOW PLUG MDL (D)	(10A)
3	- EMPTY		54	- ECM BATT (G)	(10A)
4	- FUEL HTR (D)	(15A)	55	- ODD IGN/INJ (G)	(20A)
5	- RT HI BEAM	(10A)	56	- O2 SNSR 2 (G)	(10A)
6	- EMPTY		57	- A/C CMPRSR	(15A)
7	- LT LO BEAM	(10A)	58	- FAN CLTCH (D)	(10A)
8	- RT STP/TRN TRLR	(15A)	59	- V6 FUEL INJ (G)	(15A)
9	- RT LO BEAM	(10A)			
10	- DRL 2	(10A)			
11	- FCSM IGN (G)	(10A)	J - CASE FUSE :		
12	- DRL 1	(15A)	60	- ABS MDL	(40A)
13	- AUX STOP LAMP	(15A)	61	- ABS MTR	(50A)
14	- FOH MDL (D)	(15A)	62	- TRLR WRG	(30A)
15	- FSCM BATT (G)	(20A)	63	- SPARE	
16	- LT STP/TRN TRLR	(15A)	64	- STRTR SOL	(40A)
17	- CNSTR VENT SOL (G)	(10A)	65	- ECM	
18	- EMPTY		66	- PWR/TRN (D)	(30A)
19	- EMPTY		67	- FRT BLWR	(40A)
20	- BCM - 1	(10A)			
21	- SEO	(10A)			
22	- BCM - 4	(10A)			
23	- BCM - 6	(10A)			
24	- EMPTY				
25	- BCM - 7	(10A)			
26	- BCM - 3	(10A)			
27	- BCM - 5	(10A)			
28	- EMPTY				
29	- EMPTY				
30	- IP CLSTR	(10A)			
31	- EMPTY				
32	- BRK SW	(10A)			
33	- AUX PWR OUTLET	(20A)			
34	- AIRBAG	(10A)			
35	- TRLR WRG	(30A)			
36	- STR/WHL SNSR (G)	(10A)			
37	- BCM - 2	(15A)			
38	- LTR/DLC	(20A)			
39	- WPR	(25A)			
40	- EMPTY				
41	- WSW	(15A)			
42	- EMPTY				
43	- HORN	(20A)			
44	- TCM BATT	(10A)			
45	- EMPTY				
46	- O2 SNSR 1 (G)	(10A)			
47	- TCM IGN	(15A)			
48	- ECM IGN	(15A)			
49	- MAF/CNSTR VENT	(15A)			
50	- ECM PWR/TRN	(10A)			
51	- TRANS	(15A)			

\* NOTE : The function and amperage of these fuses are different, depending on vehicle content.

(G) = GAS  
(D) = DIESEL

\* REMARQUE : La fonction et l'intensité de ces fusibles diffèrent suivant l'équipement du véhicule.  
(G) = ESSENCE  
(D) = DIESEL

**MICRO RELAY:****HIGH CURRENT MICRO RELAY:**

69	- RUN/CRNK
70	- WPR - HI
71	- WPR
73	- CRNK
76	- PWR/TRN

**MINI MICRO RELAY:**

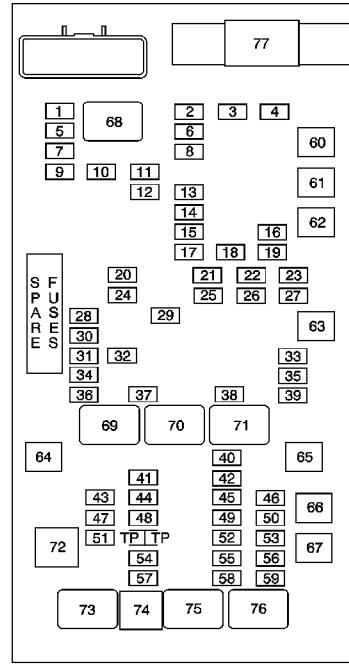
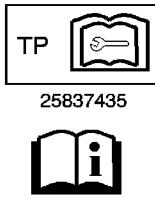
72	- FUEL PUMP
74	- A/C CMPRSR

**SOLID STATE RELAY:**

75	- FAN CLTCH (D)
----	-----------------

**MEGA FUSE:**

77	- (125A)
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## Fuse Block - Underhood - Label Usage

No.	Device	Rating	Description
1	LT HI BEAM Fuse	10A	Headlamp - Left High Beam (Composite) or Headlamp - Left (Sealed)
2	FUEL PUMP Fuse	20A	Fuel Pump and Sender Assembly (4.3L/4.8L/6.0L) or Fuel Pump (6.6L)
3	EMPTY	--	Not Used
4	FUEL HTR (D) Fuse	15A	Fuel Heater (6.6L)
5	RT HI BEAM Fuse	10A	Headlamp - Right High Beam (Composite) or Headlamp - Right (Sealed)
6	EMPTY	--	Not Used
7	LT LO BEAM Fuse	10A	Headlamp - Left Low Beam (Composite) or Headlamp - Left (Sealed)
8	RT STP/TRN TRLR Fuse	15A	Trailer Connector
	RT LO BEAM		Headlamp - Right Low Beam (Composite) or Headlamp - Right

9	Fuse	10A	(Sealed)
10	DRL 2 Fuse	10A	LT LO BEAM fuse and Headlamp - Left (Sealed)
11	FCSM IGN (G) Fuse	10A	Fuel Pump Flow Control Module (5.3L)
12	DRL 1 Fuse	15A	LT LO BEAM fuse and Headlamp - Left Low Beam (Composite)
13	AUX STOP LAMP Fuse	15A	X405 (Cutaway)
14	FOH MDL (D) Fuse	15A	Coolant Heater (K08)
15	FCSM BATT (G) Fuse	20A	Fuel Pump Flow Control Module (5.3L)
16	LT STP/TRN TRLR Fuse	15A	Trailer Connector
17	CNSTR VENT SOL (G) Fuse	10A	Evaporative Emission (EVAP) Canister Vent Solenoid Valve (4.3L/5.3L/4.8L/6.0L)
18	EMPTY	--	Not Used
19	EMPTY	--	Not Used
20	BCM 1 Fuse	10A	Body Control Module
21	SEO Fuse	10A	Instrument Panel Cluster (IPC) (8S8)
22	BCM 4 Fuse	15A	Body Control Module
23	BCM 6 Fuse	15A	Body Control Module
24	EMPTY	--	Not Used
25	BCM 7 Fuse	10A	Body Control Module
26	BCM 3 Fuse	15A	Body Control Module
27	BCM 5 Fuse	15A	Body Control Module
28	EMPTY	--	Not Used
29	EMPTY	--	Not Used
30	IP CLSTR Fuse	10A	Instrument Panel Cluster (IPC)
31	EMPTY	--	Not Used
32	BRK SW Fuse	10A	Stop Lamp Switch
33	AUX PWR OUTLET Fuse	20A	Accessory Power Outlet - Center Console 2
34	AIRBAG Fuse	10A	Inflatable Restraint Sensing and Diagnostic Module (SDM), Inflatable Restraint I/P Module Disable Switch (C99) or Inflatable Restraint I/P Module Indicator (without C99)
35	TRLR WRG Fuse	30A	Blunt Cut (UY7)
36	STR/WHL SNSR (G) Fuse	10A	Steering Wheel Speed/Position Sensor (JL4)
37	BCM 2 Fuse	10A	Body Control Module
38	LTR/DLC Fuse	20A	Cigar Lighter (DT4) or Accessory Power Outlet - Center Console 1 (without DT4) and Data Link Connector (DLC)
39	WPR Fuse	25A	WPR Relay
40	EMPTY	--	Not Used

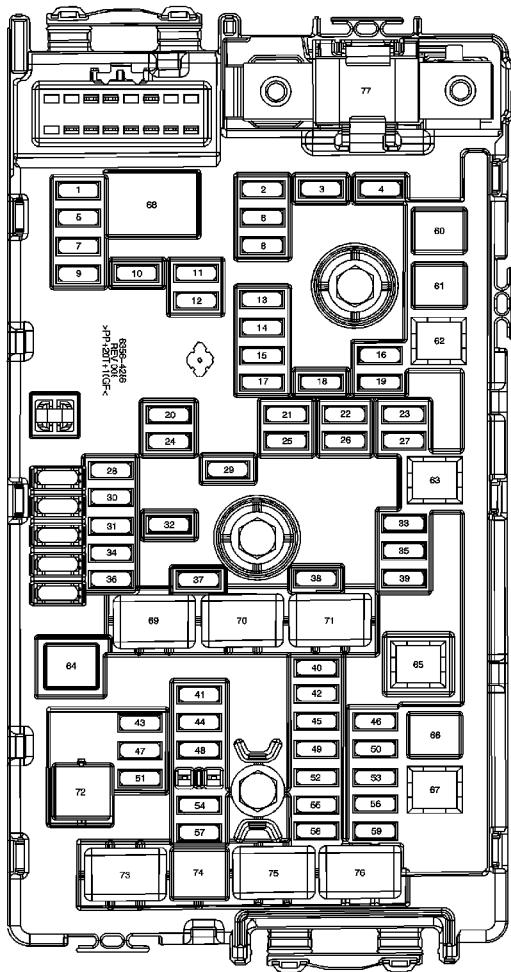
41	WSW Fuse	15A	Windshield Washer Fluid Pump
42	EMPTY	--	Not Used
43	HORN Fuse	20A	Horn Assembly
44	TCM BATT Fuse	10A	Transmission Control Module (TCM)
45	EMPTY	--	Not Used
46	O2 SNSR 1 (G) Fuse	10A	HO2S Bank 1 Sensor 1 (4.3L/5.3L/4.8L/6.0L) and HO2S Bank 2 Sensor 1 (4.3L/5.3L/4.8L/6.0L)
47	TCM IGN Fuse	15A	Transmission Control Module (TCM)
48	ECM IGN Fuse	15A	Engine Control Module (ECM)
49	MAF/CNSTR VENT Fuse	15A	Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor and Evaporative Emission (EVAP) Canister Purge Solenoid Valve (4.3L/5.3L/4.8L/6.0L)
50	ECM PWR/TRN Fuse	10A	Engine Control Module (ECM)
51	TRANS Fuse	15A	Automatic Transmission
52	EVEN IGN/INJ (G) Fuse	20A	Even Ignition Coils (4.8L/5.3L/6.0L) and Even Fuel Injector (4.8L/5.3L/6.0L)
53	GLOW PLUG MDL (D) Fuse	10A	Glow Plug Control Module (GPCM) (6.6L)
54	ECM BATT (G) Fuse	10A	Engine Control Module (ECM)
55	ODD IGN/INJ (G) Fuse	20A	Odd Ignition Coils (4.8L/5.3L/6.0L), Ignition Control Module (4.3L) and Odd Fuel Injectors (4.8L/5.3L/6.0L)
56	O2 SNSR 2 (G) Fuse	10A	HO2S Bank 1 Sensor 2 (4.3L/5.3L/4.8L/6.0L) and HO2S Bank 2 Sensor 2 (4.3L/5.3L/4.8L/6.0L)
57	A/C CMPRSR Fuse	15A	A/C Compressor Clutch (C60)
58	FAN CLTCH (D) Fuse	10A	FAN CLTCH Relay (D) (6.6L)
59	V6 FUEL INJ (G) Fuse	15A	Fuel Injectors (4.3L)
60	ABS MDL Fuse	40A	Electronic Brake Control Module (EBCM)
61	ABS MTR Fuse	50A	Electronic Brake Control Module (EBCM)
62	TRLR WRG Fuse	30A	Trailer Connector
63	SPARE Fuse	--	Not Used
64	STRTR SOL Fuse	40A	Starter Motor
65	ECM PWR/TRN (D) Fuse	30A	Engine Control Module (ECM) (6.6L)
66	FRT BLWR Fuse	40A	Blower Motor Resistor
67	SPARE Fuse	--	Not Used
68	SPARE Relay	--	Not Used
69	RUN/CRNK Relay	--	FCSM IGN (5.3L), IP CLSTR, TRANS, BRK SW, TCM IGN, ECM IGN, AIR BAG, STR/WHL SNSR (G), STRTR SOL Fuses
70	WPR - HI Relay	--	Windshield Wiper Motor

71	WPR Relay	--	WPR - HI Relay and Windshield Wiper Motor
72	FUEL PUMP Relay	--	FUEL PUMP Fuse
73	CRNK Relay	--	STRTR SOL Fuse
74	A/C CMPRSR Relay	--	A/C CMPRSR Fuse
75	FAN CLTCH (D) Relay	--	Engine Cooling Fan (6.6L) and Engine Control Module (ECM) (6.6L)
76	PWR/TRN Relay	--	GLOW PLUG MDL (D), FUEL HTR (D), O2 SNSR 1 (G), O2 SNSR 2 (G), ECM PWR/TRN, MAF/CNSTR VENT, V6 FUEL INJ (G), EVEN IGN/INJ (G), ODD IGN/INJ (G), ECM PWR/TRN (D) and FAN CLTCH (D) Fuses
77	MEGA Fuse	125A	Fuse Block - Body

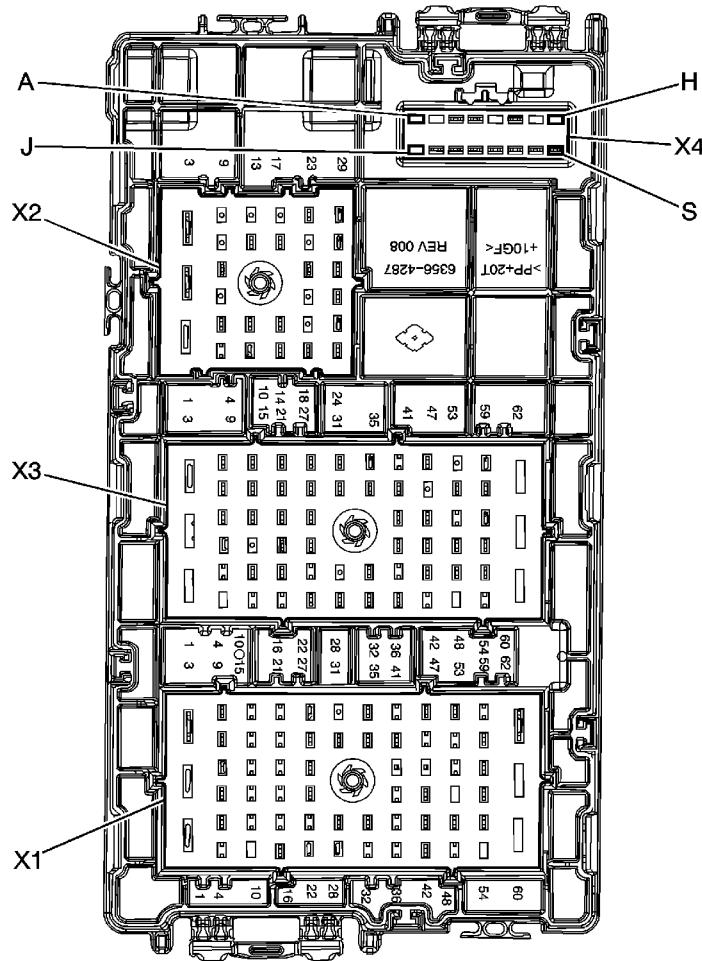
**Important:** Relays listed below are non-serviceable Printed Circuit Board (PCB) relays and are internal to the block.

--	HIGH BEAM PCB Relay	--	LT HIGH BEAM and RT HIGH BEAM Fuses
--	LOW BEAM PCB Relay	--	LT LO BEAM and RT LO BEAM Fuses
--	DRL PCB Relay	--	DRL 1 and DRL 2 Fuses
--	TRAILER LH STOP/TURN PCB Relay	--	LT STP/TRN TRLR Fuse
--	TRAILER RH STOP/TURN PCB Relay	--	RT STP/TRN TRLR Fuse
--	WASHER PCB Relay	--	WSW Fuse
--	HORN PCB Relay	--	HORN Fuse
--	STOP LAMPS PCB Relay	--	AUX STOP LAMP Fuse

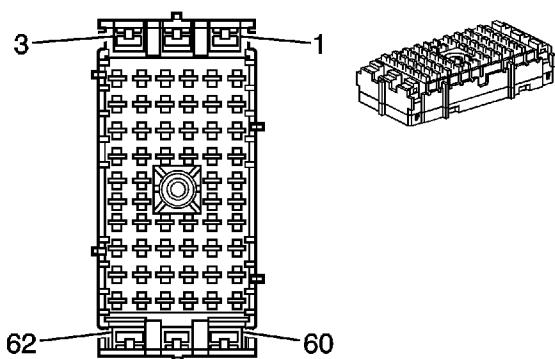
## Fuse Block - Underhood Top View



## Fuse Block - Underhood Bottom View



## Fuse Block - Underhood X1



## Connector Part Information

- | OEM: 13578271
- | Service: See Catalog
- | Description: 62-Way F 2.8 Series (BK)

## Terminal Part Information

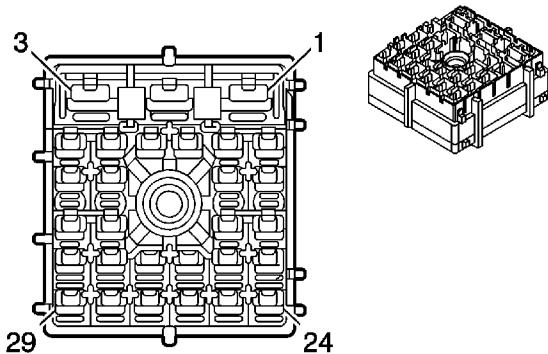
- | Pins: 1, 3, 62
- | Terminal/Tray: 7116-4122-02/10
- | Core/Insulation Crimp: D/G
- | Release Tool/Test Probe: 12094430/J-35616-42 (RD)
  
- | Pins: 5, 7, 8, 16, 22, 26, 28, 35, 40, 42-44, 47, 55, 56, 58
- | Terminal/Tray: 8100-4443/22
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-35 (VT)
  
- | Pins: 6, 9, 29, 30, 33, 34
- | Terminal/Tray: 8100-4445/22
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: 15315247/J-35616-35 (VT)
  
- | Pins: 24, 25, 44, 49, 53, 57
- | Terminal/Tray: 8100-4444/22
- | Core/Insulation Crimp: 2/A
- | Release Tool/Test Probe: 15315247/J-35616-35 (VT)

## Fuse Block - Underhood X1

Pin	Wire	Circuit	Function
1	5 PK	1439	Ignition Voltage (6.6L)
2	--	--	Not Used
3	5 RD/BK	542	Battery Positive Voltage
4	--	--	Not Used
5	0.5 PK	1839	Ignition Voltage (4.3L)
6	0.8 PK	1539	Ignition Voltage (4.3L/4.8L/5.3L/6.0L)
	0.8 PK	1539	Ignition Voltage (4.8L/5.3L/6.0L)
7	0.5 PK	439	Ignition Voltage (6.6L)
8	0.5 PK	1339	Ignition Voltage
9	0.8 PK	539	Ignition Voltage (4.3L/4.8L/5.3L/6.0L)
	0.8 PK	539	Ignition Voltage (4.8L/5.3L/6.0L)
10-15	--	--	Not Used
16	0.5 YE	5991	Powertrain Relay Control
17-21	--	--	Not Used
22	0.5 WH/BK	2366	Cooling Fan Clutch Control (6.6L)
23	--	--	Not Used
24	1 PK	1039	Ignition Voltage (4.8L/5.3L/6.0L)
	0.8 PK	1039	Ignition Voltage (4.3L)

25	1 PK	1239	Ignition Voltage (4.8L/5.3L/6.0L)
26	0.5 PK	1939	Ignition Voltage
27	--	--	Not Used
28	0.5 WH	2368	Cooling Fan Clutch Control (6.6L)
29	0.8 PK	1039	Ignition Voltage (4.8L/5.3L/6.0L)
	0.8 PK	1039	Ignition Voltage (4.8L/5.3L/6.0L)
30	0.8 PK	1239	Ignition Voltage (4.8L/5.3L/6.0L)
	0.8 PK	1239	Ignition Voltage (4.8L/5.3L/6.0L)
31-32	--	--	Not Used
33	0.8 PK	1039	Ignition Voltage (4.8L/5.3L/6.0L)
	0.8 PK	1039	Ignition Voltage (4.8L/5.3L/6.0L)
34	0.8 PK	1239	Ignition Voltage (4.8L/5.3L/6.0L)
	0.8 PK	1239	Ignition Voltage (4.8L/5.3L/6.0L)
35	0.5 PK	1939	Ignition Voltage (4.3L/5.3L/4.8L/6.0L)
36-39	--	--	Not Used
40	0.5 PK	439	Ignition Voltage
41	--	--	Not Used
42	0.35 D-GN/WH	459	A/C Compressor Clutch Relay Control (Gas with C60)
	0.5 D-GN/WH	459	A/C Compressor Clutch Relay Control (Diesel with C60)
43	0.5 D-GN	59	A/C Compressor Clutch Supply Voltage (C60)
44	0.5 RD/WH	440	Battery Positive Voltage (4.3L/5.3L/4.8L/6.0L)
	1 RD/WH	440	Battery Positive Voltage (6.6L)
45-46	--	--	Not Used
47	0.35 RD/WH	1840	Battery Positive Voltage
48	--	--	Not Used
49	1 BK	1250	Ground
50-52	--	--	Not Used
53	0.8 D-GN	29	Horn Control
54	--	--	Not Used
55	0.35 YE/BK	625	Starter Enable Relay Control (4.3L/5.3L/4.8L/6.0L)
	0.5 YE/BK	625	Starter Enable Relay Control (6.6L)
56	0.35 D-GN/WH	465	Fuel Pump Relay Control - Primary (4.8L/5.3L/6.0L)
	0.5 D-GN/WH	465	Fuel Pump Relay Control - Primary (6.6L)
57	0.8 PK	3039	Ignition Voltage
58	0.5 PK	2139	Ignition Voltage
59-61	--	--	Not Used
62	5 PU	6	Starter Solenoid Crank Voltage

## Fuse Block - Underhood X2



## Connector Part Information

- | OEM: 13578275
- | Service: See Catalog
- | Description: 29-Way F 2.8 Series (BK)

## Terminal Part Information

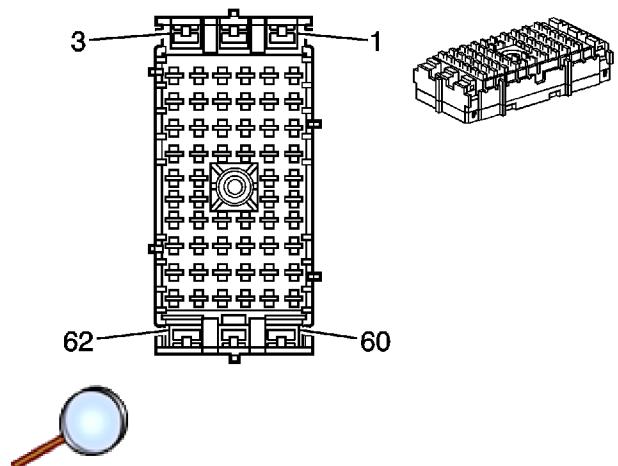
- | Pins: 5, 7, 10-13, 15, 18, 23, 26, 28
- | Terminal/Tray: 8100-4444/22
- | Core/Insulation Crimp: 2/A
- | Release Tool/Test Probe: 15315247/J-35616-35 (VT)
  
- | Pins: 16, 21
- | Terminal/Tray: 8100-4443/22
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-35 (VT)
  
- | Pins: 1, 3, 2
- | Terminal/Tray: 7116-4122-02/10
- | Core/Insulation Crimp: Pins 1, 3 - A/B
- | Core/Insulation Crimp: Pins 2 - D/G
- | Release Tool/Test Probe: 12094430/J-35616-42 (RD)
  
- | Pins: 14, 23-25
- | Terminal/Tray: 8100-4445/22
- | Core/Insulation Crimp: Pins 14 - F/D
- | Core/Insulation Crimp: Pins 23, 24, 25 - 4/4
- | Release Tool/Test Probe: 15315247/J-35616-35 (VT)

## Fuse Block - Underhood X2

Pin	Wire	Circuit	Function
1	3 RD/BK	742	Battery Positive Voltage (UY7)
2	5 RD/BK	442	Battery Positive Voltage
3	3 RD/WH	1640	Battery Positive Voltage
4	--	--	Not Used
5	0.8 D-BU/WH	149	Courtesy Lamp Control (Cutaway)

6	--	--	Not Used
7	1 L-GN	1624	Trailer Backup Lamps Control (8S3/Cutaway/UY7)
8-9	--	--	Not Used
10	1 YE	1618	Trailer Left Rear Turn/Stop Lamp Control (UY7)
11	1 YE	618	Left Rear Turn Signal Lamp Control (Cutaway)
12	1 D-GN	619	Right Rear Turn Signal Lamp Control (Cutaway)
13	0.8 PK	2239	Ignition Voltage (6.6L)
14	3 D-BU	47	Trailer Auxiliary Control (UY7)
15	1 BN	2109	Trailer Park Lamps Control (UY7)
16	0.5 PK	2739	Ignition Voltage (5.3L)
17	--	--	Not Used
18	1 BN	2109	Trailer Park Lamps Control (Cutaway)
19-20	--	--	Not Used
21	0.5 RD/WH	40	Battery Positive Voltage (4.3L/5.3L/4.8L/6.0L)
22	--	--	Not Used
23	0.8 GY	120	Fuel Pump Control (6.6L)
	2 GY	120	Fuel Pump Control (4.3L/4.8L/6.0L)
24	2 RD/WH	1940	Battery Positive Voltage (5.3L)
25	2 RD/WH	1740	Battery Positive Voltage (6.6L with K08)
26	1 L-BU	1320	CHMSL Control/Stop Lamp Control (Cutaway)
27	--	--	Not Used
28	1 D-GN	1619	Trailer Right Rear Turn/Stop Lamp Control (UY7)
29	--	--	Not Used

## Fuse Block - Underhood X3



## Connector Part Information

| OEM: 13578273

- | Service: See Catalog
- | Description: 62-Way F 2.8, 6.3 Series (GY)

## Terminal Part Information

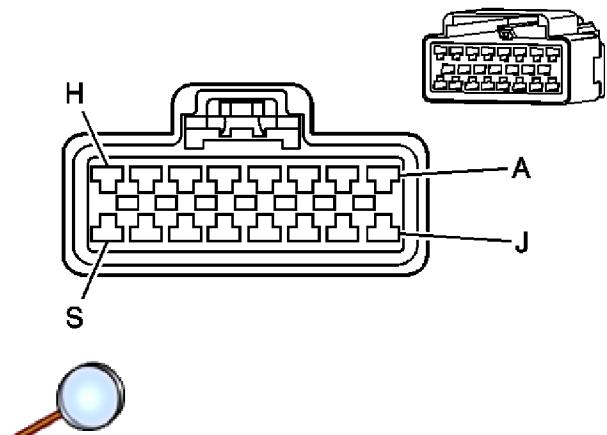
- | Pins: 12, 22, 27, 30, 33, 36, 38-40, 44-47, 50, 54-56, 58
- | Terminal/Tray: 8100-4443/22
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-35 (VT)
  
- | Pins: 6, 18, 28, 32
- | Terminal/Tray: 8100-4445/22
- | Core/Insulation Crimp: Pins 6, 18 - F/D
- | Core/Insulation Crimp: Pins 28, 32 - 4/4
- | Release Tool/Test Probe: 15315247/J-35616-35 (VT)
  
- | Pins: 7-9, 11, 13-15, 17, 20, 21, 24-27, 31, 34, 43, 52, 49
- | Terminal/Tray: 8100-4444/22
- | Core/Insulation Crimp: Pins 7-9, 11, 13-15, 17, 20, 21, 24-27, 31, 34, 43, 52 - 2/A
- | Core/Insulation Crimp: Pins 49 - See Terminal Repair Kit
- | Release Tool/Test Probe: 15315247/J-35616-35 (VT)

## Fuse Block - Underhood X3

Pin	Wire	Circuit	Function
1-5	--	--	Not Used
6	3 RD/WH	3940	Battery Positive Voltage (UY7)
7	0.8 RD/WH	1040	Battery Positive Voltage
8	0.8 D-BU/WH	149	Courtesy Lamp Control (Cutaway)
9	0.8 RD/WH	2940	Battery Positive Voltage
10	--	--	Not Used
11	0.8 RD/WH	640	Battery Positive Voltage
12	0.35 OG	5186	Left Trailer Turn Signal Lamp (UY7)
13	1 L-GN	1624	Trailer Backup Lamps Control (Cutaway/UF7/8S8)
14	1 YE	618	Left Rear Turn Signal Lamp Control (Cutaway)
15	0.8 RD/WH	2740	Battery Positive Voltage
16	--	--	Not Used
17	0.8 RD/WH	640	Battery Positive Voltage
18	3 D-BU	47	Trailer Auxiliary Control (UY7)
19	0.35 RD/WH	2840	Battery Positive Voltage (8S8)
20	0.8 RD/WH	2240	Battery Positive Voltage
21	0.8 RD/WH	3040	Battery Positive Voltage
22	0.35 GY	91	Windshield Wiper Switch Signal 2
23	--	--	Not Used
24	1 BN	2109	Trailer Park Lamps Control (UY7)
25	0.8 D-BU/WH	1315	Right Front Turn Signal Lamp Control
26	1 BN	2109	Trailer Park Lamps Control (Cutaway)

27	0.5 RD/WH	2540	Battery Positive Voltage
28	2 PU	92	Windshield Wiper Motor High Speed
29	--	--	Not Used
30	0.5 WH	5065	Stop Lamps Control
31	1 D-GN	619	Right Rear Turn Signal Lamp Control (Cutaway)
32	2 D-GN	95	Windshield Washer Switch Signal
33	0.35 OG	2268	Windshield Washer Relay Control
34	0.8 L-BU/WH	1314	Left Front Turn Signal Lamp Control
35	--	--	Not Used
36	0.35 TN	860	Front Windshield Wiper Switch High Signal
37	--	--	Not Used
38	0.5 OG	228	Windshield Washer Pump Control
39	0.35 PK/WH	1970	Headlamp Low Beam Relay Control
40	0.35 PU	544	Headlamp Low Beam Control
41-42	--	--	Not Used
43	0.8 RD/WH	2140	Battery Positive Voltage
44	0.35 TN/WH	1969	Headlamp High Beam Relay Control
45	0.35 PK	239	Ignition Voltage
46	0.35 YE	5187	Right Trailer Turn Signal Lamp (UY7)
47	0.5 RD/WH	3840	Battery Positive Voltage
	0.5 RD/WH	2840	Battery Positive Voltage (4.3L/5.3L)
48	--	--	Not Used
49	0.35 TN	28	Horn Relay Control
	0.35 TN	28	Horn Relay Control
50	0.35 PK	1139	Ignition Voltage
51	--	--	Not Used
52	0.8 BN	2309	Front Park Lamps Control
53	--	--	Not Used
54	0.35 YE	5199	Run/Crank Relay Coil Control
55	0.5 PK	2239	Ignition Voltage (JL4)
56	0.35 PK	1139	Ignition Voltage
57	--	--	Not Used
58	0.35 PK	1639	Ignition Voltage
59-62	--	--	Not Used

## Fuse Block - Underhood X4



## Connector Part Information

- | OEM: 15326952
- | Service: 15326952
- | Description: 16-Way F GT 280 Series (BK)

## Terminal Part Information

- | Pins: C, D, F, L, M, N, R, K, P, S
- | Terminal/Tray: 15304711/8
- | Core/Insulation Crimp: Pins C, D, F, L, M, N, R - E/A
- | Core/Insulation Crimp: Pins K, P, S - 2/A
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## Fuse Block - Underhood X4

Pin	Wire	Circuit	Function
A-B	--	--	Not Used
C	0.35 TN/WH	312	Right Headlamp Low Beam Control (without V22)
	0.5 TN/WH	312	Right Headlamp Low Beam Control (V22)
D	0.5 BN	2309	Front Park Lamps Control
E	--	--	Not Used
F	0.35 YE	712	Left Headlamp Low Beam Control (without V22 without T79)
G-J	--	--	Not Used
K	0.8 L-GN/BK	311	Right Headlamp High Beam Control
L	0.5 D-GN/WH	711	Left Headlamp High Beam Control
M	0.5 YE	712	Left Headlamp Low Beam Control (V22)
	0.5 YE	712	Left Headlamp Low Beam Control (V22)
	0.35 YE	712	Left Headlamp Low Beam Control (without V22)
	0.35 YE	712	Left Headlamp Low Beam Control (without V22)
N	0.5 BN	2309	Front Park Lamps Control
P	0.8 L-BU/WH	1314	Left Front Turn Signal Lamp Control
R	0.5 YE	712	Left Headlamp Low Beam Control (V22 without T79)
S	0.8 D-BU/WH	1315	Right Front Turn Signal Lamp Control

## Fuse Block - Underhood X5

### Terminal Part Information

- | Terminal: 15441775
- | Core/Insulation Crimp: N/A
- | Description: Ring Terminal

## Fuse Block - Underhood X5

Pin	Wire	Circuit	Function
S	19 RD	1	Battery Positive Voltage

## Fuse Block - Body Label

**MINI FUSE:**

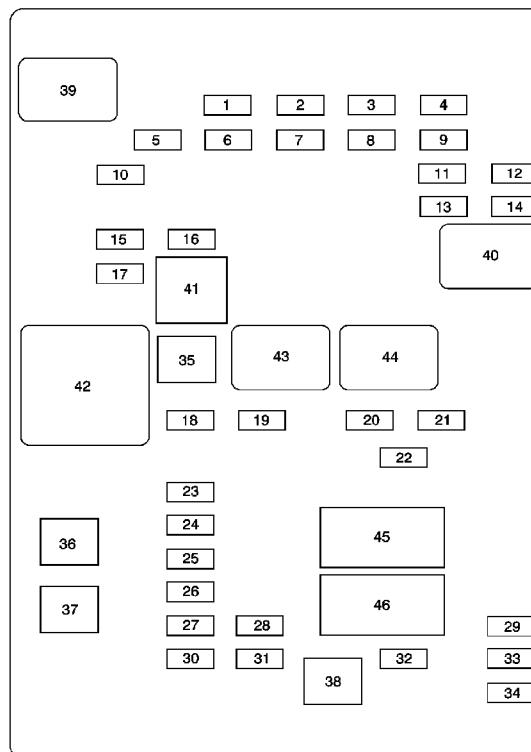
1	- HVAC 2	( 10A )
2	- CMPS	( 10A )
3	- IGN SW/PK3 MDL	( 2A )
4	- UPFTR CTSY LMPS	( 15A )
5	- HVAC 1	( 20A )
6	- EMPTY	
7	- IP CLSTR	( 10A )
8	- RDO/CHIME	( 15A )
9	- AUX PRK LAMP	( 15A )
10	- AUX/TRLR BCK/UP	( 10A )
11	- RFA/TPM	( 10A )
12	- HVAC CNTRL	( 10A )
13	- TRLR PRK LAMP	( 15A )
14	- FRT PRK LAMP	( 10A )
15	- T/LAMP BCK/UP	( 10A )
16	- EMPTY	
17	- STR WHL SNSR	( 2A )
18	- OSRVM SW	( 2A )
19	- EMPTY	
20	- EMPTY	
21	- REAR DEFOG	( 30A )
22	- OSRVM HTR	( 20A )
23	- EMPTY	
24	- EMPTY	
25	- CARGO DR UNLCK	( 15A )
26	- REAR DR LCK	( 15A )
27	- FRT DR LCK	( 15A )
28	- REAR PASS DR UNLCK	( 15A )
29	- UPFTR PARK LMPS	( 10A )
30	- FRT PASS DR UNLCK	( 15A )
31	- DRV DR UNLCK	( 15A )
32	- AIRBAG/AOS	( 10A )
33	- RT REAR PRK LAMP	( 10A )
34	- LT REAR PRK LAMP	( 10A )

**HIGH CURRENT MICRO RELAY:**

39	- RUN
40	- PRK LAMP
43	- RAP
44	- REAR DEFOG

**HIGH CURRENT ISO RELAY:**

42	- UPFTR AUX 2
----	---------------



**J - CASE FUSE:**

35	- UPFTR AUX 2	( 50A )
36	- UPFTR AUX 1	( 50A )
37	- REAR BLWR	( 30A )
38	- EMPTY	

**CIRCUIT BREAKER:**

45	- PWR WDO	( 25A )
46	- PWR SEATS	( 30A )

**MINI MICRO RELAY:**

41	- EMPTY	
----	---------	--



## Fuse Block - Body - Label Usage

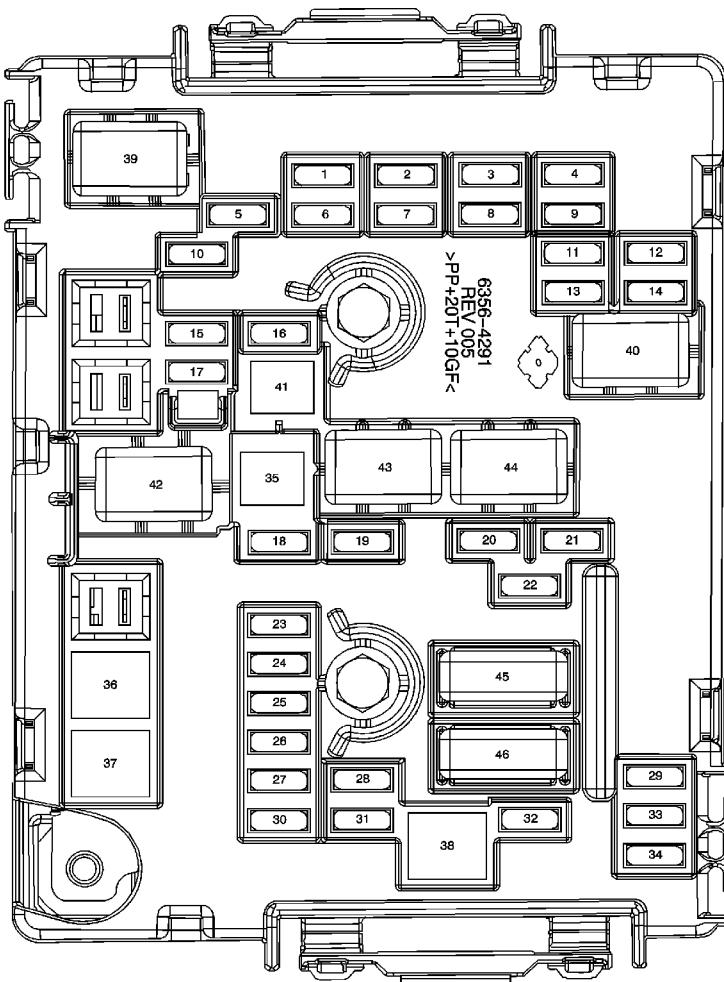
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No.	Device	Rating	Description
1	HVAC 2 Fuse	10A	Air Temperature Actuator, HVAC Control Assembly (C49/DE5/DE7), HVAC Control Module - Auxiliary, HVAC Control Assembly-Rear Auxiliary (C69 with Rear Auxiliary Controls), Blower Motor Low Speed Relay - Auxiliary (C36/C69), Blower Motor Medium Speed Relay - Auxiliary (C36/C69), Blower Motor High Speed Relay - Auxiliary (C36/C69), Mode Actuator - Auxiliary (C69) and Air Temperature Actuator - Auxiliary (C69)
2	CMPS Fuse	10A	Electronic Compass Module (U80)
3	IGN SW/PK3 MDL Fuse	2A	Ignition Switch and Theft Deterrent Module (TDM)
4	UPFTR CTSY LMPS Fuse	15A	Body Control Module (without YF7), X405 (Cutaway), Dome/Reading Lamp - Middle (Passenger), Dome Lamp (Cargo), Dome/Reading Lamp - Rear (Passenger), X320 (YF7) and Dome/Reading Lamp Front
5	HVAC 1 Fuse	20A	HVAC Control Assembly and Vacuum Pump (6.6L)
6	EMPTY	--	Not Used
7	IP CLSTR Fuse	10A	Instrument Panel Cluster (IPC)
8	RDO/CHIME Fuse	15A	Radio, Chime Module
9	AUX PRK LAMP Fuse	15A	X405 (Cutaway)
10	AUX/TRLR BCK/UP Fuse	10A	Backup Alarm (8S3), Trailer Connector (UY7) and X405 (Cutaway)
11	RFA/TPM Fuse	10A	Remote Control Door Lock Receiver (RCDLR) (AUO)
12	HVAC CNTRL Fuse	10A	HVAC Control Assembly (DE5/DE7/C49)
13	TRLR PRK LAMP Fuse	15A	Trailer Connector (UY7)
14	FRT PRK LAMP Fuse	10A	Park/Turn Signal Lamp - LF, Marker Lamp - LF, Park/Turn Signal Lamp - RF, Marker Lamp - RF and Inflatable Restraint I/P Module Disable Switch (C99)
15	T/LAMP BCK/UP Fuse	10A	Backup Lamp - Right (Passenger/Cargo) and Backup Lamp - Left (Passenger/Cargo)
16	EMPTY	--	Not Used
17	STR WHL SNSR Fuse	2A	Inflatable Restraint Steering Wheel Module Coil (K34/W1Y)
18	OSRVM SW Fuse	2A	Outside Rearview Mirror Switch (DE5/DE7)
19	EMPTY	--	Not Used
20	EMPTY	--	Not Used
21	REAR DEFOG Fuse	30A	Rear Window Defogger Grid - Left (C49) and Rear Window Defogger Grid - Right (C49)
22	OSRVW HTR Fuse	20A	Outside Rearview Mirror - Driver (DE5/DE7) and Outside Rearview Mirror - Passenger (DE5/DE7)
23	EMPTY	--	Not Used

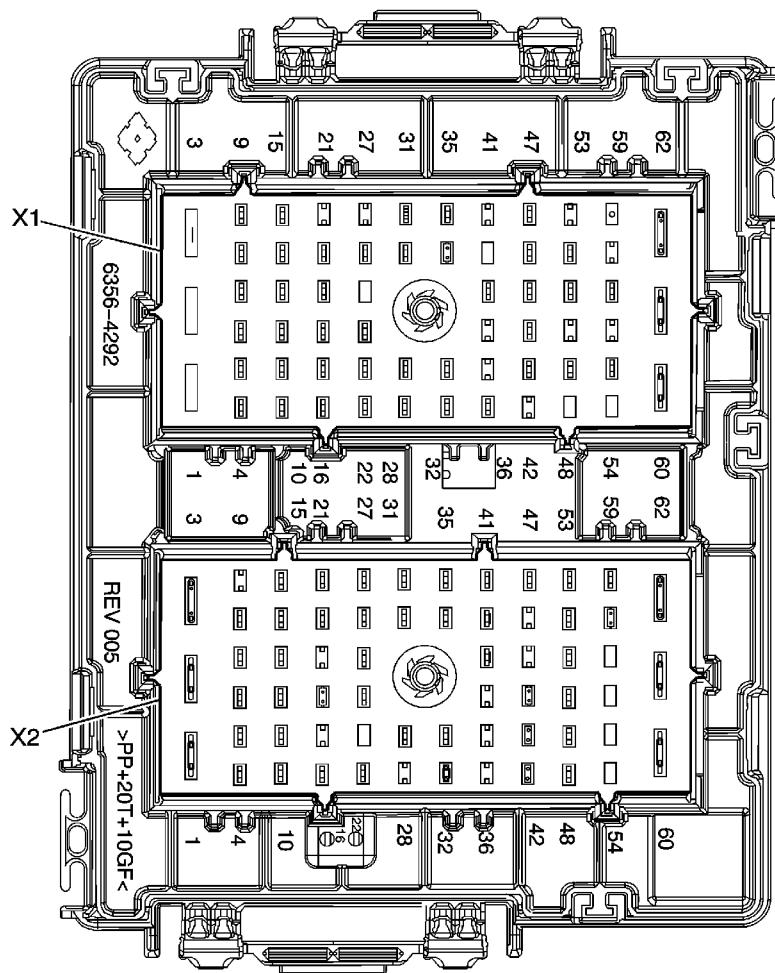
24	EMPTY	--	Not Used
25	CARGO DR UNLCK Fuse	15A	Door Latch - Cargo (Passenger/Cargo with AU3)
26	REAR DR LCK Fuse	15A	Door Contact Plate Left Side (E26), Door Contact Plate - Right Side (E24/YA2) and Door Latch - Cargo (Passenger/Cargo)
27	FRT DR LCK Fuse	15A	Door Latch - Driver (AU3) and Door Latch - Passenger (AU3)
28	REAR PASS DR UNLCK Fuse	15A	Door Contact Plate - Left (E26/AU3), Door Contact Plate - Right (Passenger/Cargo with AU3) and Fuse Block - Body
29	UPFTR PARK LAMPS Fuse	10A	X320 (YF2/YF7)
30	FRT PASS DR UNLCK Fuse	15A	Door Latch - Passenger (AU3)
31	DRV DR UNLCK Fuse	15A	Door Latch - Driver (AU3)
32	AIRBAG/AOS Fuse	10A	Inflatable Restraint Sensing and Diagnostic Module(SDM), Inflatable Restraint Vehicle Rollover Sensor (ASF) and Inflatable Restraint Front Passenger Presence System (PPS) Sensor (Light Duty without YF7)
33	RT REAR PRK LAMP Fuse	10A	Tail/Stop and Turn Signal Lamp - Right (Passenger/Cargo)
34	LT REAR PRK LAMP Fuse	10A	Tail/Stop and Turn Signal Lamp - Left (Passenger/Cargo) and License Lamp (Passenger/Cargo)
35	UPFTR AUX 2 Fuse	50A	Blunt Cut (YF1), X321 (YF2/YF7) and X222 (YF2/YF7)
36	UPFTR AUX 1 Fuse	50A	Blunt Cut (YF1), X321 (YF2/YF7) and X222 (YF2/YF7)
37	REAR BLWR Fuse	30A	Blower Motor Low Speed Relay - Auxiliary (C36/C69), Blower Motor Medium Speed Relay - Auxiliary (C36/C69) and Blower Motor High Speed Relay - Auxiliary (C36/C69)
38	EMPTY	--	Not Used
39	RUN Relay	--	HVAC 1, HVAC 2, CMPS Fuses and UPFTR AUX 2 Relay
40	PRK LAMP Relay	--	LT REAR PRK LAMP, RT REAR PRK LAMP, FRT PRK LAMP, TRLR PRK LAMP, AUX PRK LAMP and UPFTR PARK LMPS Fuses
41	EMPTY	--	Not Used
42	UPFTR AUX 2 Relay	--	UPFTR AUX 2 Fuse
43	RAP Relay	--	PWR WDO Circuit Breaker
44	REAR DEFOG Relay	--	REAR DEFOG and OSRVM HTR Fuses
45	PWR WDO Circuit Breaker	25A	Window Switch - Driver (A31) and Window Switch - Passenger (A31)
46	PWR SEATS Circuit Breaker	30A	Seat Adjuster Switch - Driver (AG1) and Seat Adjuster Switch - Passenger (AG1)
<b>Important:</b> Relays listed below are non-serviceable Printed Circuit Board (PCB) relays and are internal to the block.			

--	UPFTR CTSY LAMPS PCB Relay	--	UPFTR CTSY LMPS Fuses
--	DRV UNLCK PCB Relay	--	DRV DR UNLCK Fuse
--	PASS/CGO UNLCK PCB Relay	--	FRT PASS DR UNLCK and REAR PASS DR UNLCK Fuses
--	CARGO UNLCK PCB Relay	--	CARGO DR UNLCK Fuse
--	ALL DRS LOCK PCB Relay	--	FRT DR LCK and REAR DR LCK Fuses
--	BCK/UP LAMP PCB Relay	--	AUX/TRLR BCK/UP and T/LAMP BCK UP Fuses

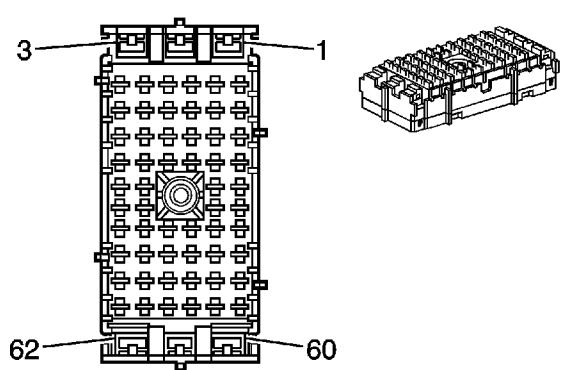
## Fuse Block - Body Top View



## Fuse Block - Body Bottom View



## Fuse Block - Body X1





## Connector Part Information

- | OEM: 13578271
- | Service: See Catalog
- | Description: 62-Way F 2.8 Series (BK)

## Terminal Part Information

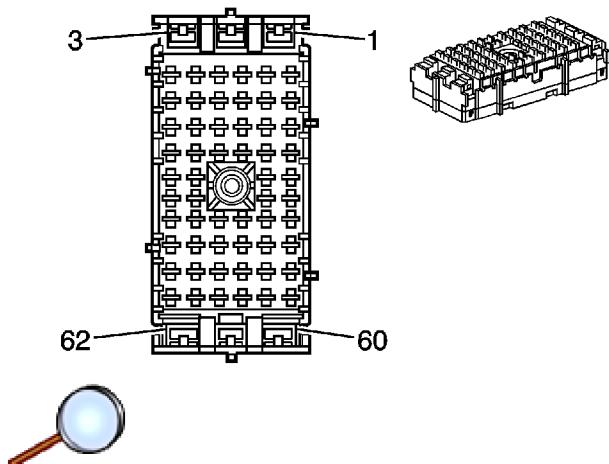
- | Pins: 60, 61
- | Terminal/Tray: 7116-4122-02/10
- | Core/Insulation Crimp: D/G
- | Release Tool/Test Probe: 12094430/J-35616-42 (RD)
  
- | Pins: 4-6, 8, 11, 14, 18-20, 22, 24, 28, 30, 31, 33, 34, 49, 55, 57, 59
- | Terminal/Tray: 8100-4443/22
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-35 (VT)
  
- | Pins: 7, 9, 13, 15, 16, 23, 26, 29, 32, 46, 47, 52
- | Terminal/Tray: 8100-4444/22
- | Core/Insulation Crimp: 2/A
- | Release Tool/Test Probe: 15315247/J-35616-35 (VT)
  
- | Pins: 11, 12
- | Terminal/Tray: 8100-4445/22
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: 15315247/J-35616-35 (VT)

## Fuse Block - Body X1

Pin	Wire	Circuit	Function
1-3	--	--	Not Used
4	0.35 WH	193	Rear Defog Relay Control (C49/DE5/DE7)
5	0.5 L-BU	244	Passenger Door Lock Switch Lock Control (AU3)
6	0.35 D-BU	45	Park Lamp Control
7	1 BN	2109	Trailer Park Lamps Control (UY7)
8	0.5 RD/WH	5340	Battery Positive Voltage (AU0/UJ6)
9	1 BN	2109	Trailer Park Lamps Control (Cutaway)
10	--	--	Not Used
11	0.5 YE	356	Driver Door Lock Relay Unlock Control (AU3)
	0.5 YE	356	Driver Door Lock Relay Unlock Control (AU3 with PRP)
12	0.5 BN	2309	Front Park Lamps Control
	0.8 BN	2309	Front Park Lamps Control (C99)
13	0.8 D-BU/WH	149	Courtesy Lamp Control (Cutaway)
	0.8 D-BU/WH	149	Courtesy Lamp Control (without YF2/YF7)
14	0.35 RD/WH	540	Battery Positive Voltage

15	1 RD/WH	340	Battery Positive Voltage
16	1 YE	618	Left Rear Turn Signal Lamp Control (Passenger/Cargo)
17	--	--	Not Used
18	0.5 L-BU	244	Passenger Door Lock Switch Lock Control (AU3)
19	0.5 YE	356	Driver Door Lock Relay Unlock Control (AU3)
20	0.5 GY/BK	690	Courtesy Lamp Control (YF2/YF7)
21	--	--	Not Used
22	0.5 BK	350	Ground
23	0.8 D-BU/WH	1315	Right Front Turn Signal Lamp Control (DE5/DE7)
24	0.35 BK/WH	351	Ground
25	--	--	Not Used
26	0.8 RD/WH	4440	Battery Positive Voltage (C49/DE5/DE7)
27	--	--	Not Used
28	0.35 YE	43	Ignition Voltage
29	1 D-GN	619	Right Rear Turn Signal Lamp Control (Passenger/Cargo)
30	0.35 BN	341	Ignition Voltage
31	0.35 RD/WH	2840	Battery Positive Voltage (without 8S8)
32	0.8 L-BU/WH	1314	Left Front Turn Signal Lamp Control (DE5/DE7)
33	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control
34	0.35 BN	341	Ignition Voltage
35-45	--	--	Not Used
46	1 BN	141	Ignition Voltage
47	0.8 BN	141	Ignition Voltage (6.6L)
48	--	--	Not Used
49	0.35 YE	6817	LED Backlight Dimming Control (K34/W1Y)
50-51	--	--	Not Used
52	1 L-GN	1624	Trailer Backup Lamps Control (Cutaway/UY7/8S3)
53-54	--	--	Not Used
55	0.35 BN	6136	Supply Voltage (K34/W1Y)
56	--	--	Not Used
57	0.35 D-BU	38	Backup Lamp Relay Control
58	--	--	Not Used
59	0.35 OG	300	Ignition Voltage
60	5 BN	541	Ignition Voltage (YF2/YF7)
61	5 RD/BK	1042	Battery Positive Voltage (YF7)
62	--	--	Not Used

## Fuse Block - Body X2



## Connector Part Information

- | OEM: 13578273
- | Service: See Catalog
- | Description: 62-Way F 2.8, 6.3 Series (GY)

## Terminal Part Information

- | Pins: 2, 3, 60-62
- | Terminal/Tray: 7116-4122-02/10
- | Core/Insulation Crimp: D/G
- | Release Tool/Test Probe: 12094430/J-35616-42 (RD)
  
- | Pins: 4, 6, 10, 16, 18, 22, 25-27, 29, 30, 34, 41, 47, 51, 52
- | Terminal/Tray: 8100-4443/22
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-35 (VT)
  
- | Pins: 7, 8, 14, 15, 24, 31-33, 43, 44, 48-50
- | Terminal/Tray: 8100-4444/22
- | Core/Insulation Crimp: 2/A
- | Release Tool/Test Probe: 15315247/J-35616-35 (VT)
  
- | Pins: 5, 11-13, 7, 32, 42, 43, 53
- | Terminal/Tray: 8100-4445/22
- | Core/Insulation Crimp: Pins 5, 11, 12, 13 - F/D
- | Core/Insulation Crimp: Pins 7, 32, 42, 43, 53 - See Terminal Repair Kit
- | Release Tool/Test Probe: 15315247/J-35616-35 (VT)

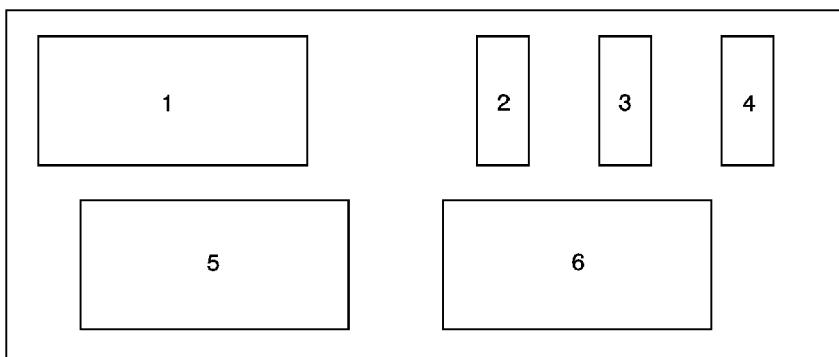
## Fuse Block - Body X2

Pin	Wire	Circuit	Function
1	--	--	Not Used
2	5 PU	293	Rear Defog Element Control (C49)
3	5 PU	293	Rear Defog Element Control (C49)
4	0.5 BN	2609	Right Rear Park Lamps Control (Passenger/Cargo)
5	3 RD/WH	3540	Battery Positive Voltage (AG1)

6	0.5 BN	2209	Rear Park Lamps Control (YF2/YF7)
7	0.8 D-BU/WH	149	Courtesy Lamp Control (Passenger)
	0.8 D-BU/WH	149	Courtesy Lamp Control (Passenger/Cargo without YF2/YF7)
8	1 TN	294	Door Lock Actuator Unlock Control (Passenger/Cargo with AU3)
9	--	--	Not Used
10	0.5 RD/WH	3440	Battery Positive Voltage
11	3 RD/WH	3540	Battery Positive Voltage (AG2)
12	3 D-GN	1001	RAP 12-Volt Fuse Control (A31)
13	3 D-GN	1001	RAP 12-Volt Fuse Control (A31)
14	0.8 OG	2267	Mirror Heating Element Control (DE5/DE7)
15	0.8 OG	2267	Mirror Heating Element Control (DE5/DE7)
16	0.5 RD/WH	3440	Battery Positive Voltage (ASF)
17	--	--	Not Used
18	0.5 D-BU/WH	149	Courtesy Lamp Control
19-21	--	--	Not Used
22	0.5 RD/WH	3440	Battery Positive Voltage (Light Duty without C99 without YF7)
23	--	--	Not Used
24	1 YE	618	Left Rear Turn Signal Lamp Control (Passenger/Cargo)
25	0.35 BN	441	Ignition Voltage
26	0.35 BN	341	Ignition Voltage (C69/C36/ENC)
27	0.5 D-BU/WH	1315	Right Front Turn Signal Lamp Control (DE5/DE7)
28	--	--	Not Used
29	0.5 BN	2509	Left Rear Park Lamps Control (Passenger/Cargo)
30	0.35 BN	341	Ignition Voltage (C49/DE5/DE7/C60)
31	1 D-GN	619	Right Rear Turn Signal Lamp Control (Passenger/Cargo)
32	0.8 TN	294	Door Lock Actuator Unlock Control (AU3 with E24/YA2)
	0.8 TN	294	Door Lock Actuator Unlock Control (AU3 with E26)
33	0.8 TN	694	Driver Door Lock Actuator Unlock Control (AU3)
34	0.35 BK/WH	351	Ground
35-40	--	--	Not Used
41	0.5 L-BU/WH	1314	Left Front Turn Signal Lamp Control (DE5/DE7)
42	1 GY	295	Door Lock Actuator Lock Control (AU3)
	1 GY	295	Door Lock Actuator Lock Control (AU3)
43	1 GY	295	Door Lock Actuator Lock Control (AU3 with E26)
	1 GY	295	Door Lock Actuator Lock Control (AU3 with E26/YA2)

44	1 TN/BK	1095	Right Rear Door Lock Actuator Unlock Control (Passenger/Cargo with AU3)
45-46	--	--	Not Used
47	0.5 RD/WH	4340	Battery Positive Voltage (DE5/DE7)
48	0.8 TN	294	Door Lock Actuator Unlock Control (AU3)
49	1 GY	295	Door Lock Actuator Lock Control (Passenger/Cargo with AU3)
50	1 TN	294	Door Lock Actuator Unlock Control (Passenger/Cargo with AU3)
51	0.35 BN	341	Ignition Voltage (C69)
52	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control
53	0.8 L-GN	24	Backup Lamp Control (Passenger/Cargo)
	0.8 L-GN	24	Backup Lamp Control (Passenger/Cargo)
54-59	--	--	Not Used
60	5 RD/WH	1740	Battery Positive Voltage (C69/C36/ENC)
61	5 RD/BK	1042	Battery Positive Voltage (YF1/YF2/YF7)
62	5 BN	541	Ignition Voltage (YF1/YF2/YF7)

## Fuse Block - Rear (PRP) - Top View

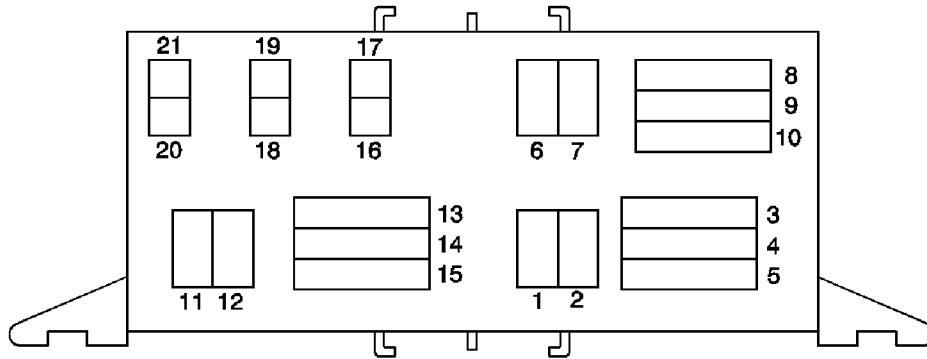


## Fuse Block - Rear (PRP) - Top View

No.	Device	Rating	Description
1	Access Panel Relay - Left Side Rear	--	Access Panel Latches - Left Side Rear
2	Dome Fluorescent Work Lamps Fuse	10	Dome Fluorescent Work Lamps (UF2)
3	Panel Actuator Fuse	15	Access Panel Relays
4	--	--	Not Used
5	Access Panel Relay - Left Side Front	--	Access Panel Latches - Left Side Front



## Fuse Block - Rear (PRP) Bottom View



### Connector Part Information

- | OEM: 63995
- | Service: See Catalog
- | Description: 21-Way F Fuse Block (BK)

### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Fuse Block - Rear (PRP) Bottom View

Pin	Wire	Circuit	Function
1	OG	740	Battery Positive Voltage
2	TN	294	Access Panel Left Front Side Lock Actuators Unlock Control
3	L-BU	195	Access Panel Left Side Front Relay Control
4	--	--	Not Used
5	OG	740	Battery Positive Voltage
6	OG	740	Battery Positive Voltage
7	PK	1092	Access Panel Left Rear Side Lock Actuators Unlock Control
8	L-GN	1391	Access Panel Left Side Rear Relay Control
9	--	--	Not Used
10	OG	740	Battery Positive Voltage
11	OG	740	Battery Positive Voltage

12	TN/BK	1095	Access Panel Right Side Lock Actuators Unlock Control
13	L-BU	1344	Access Panel Right Side Relay Control
14	--	--	Not Used
15	OG	740	Battery Positive Voltage
16	RD	1042	Battery Positive Voltage (UF2)
17	OG	840	Battery Positive Voltage (UF2)
18	RD	1042	Battery Positive Voltage
19	OG	740	Battery Positive Voltage
20-21	--	--	Not Used

## Component Connector End Views

- Connector 1: [1-2 Shift Solenoid \(SS\) Valve \(4L80-E\)](#)  
Connector 2: [2-3 Shift Solenoid \(SS\) Valve \(4L80-E\)](#)  
Connector 3: [A/C Compressor Clutch \(C60\)](#)  
Connector 4: [A/C Low Pressure Switch \(C60\)](#)  
Connector 5: [A/C Refrigerant Pressure Sensor \(C60\)](#)  
Connector 6: [Accelerator Pedal Position \(APP\) Sensor](#)  
Connector 7: [Accessory Power Outlet - Center Console 2](#)  
Connector 8: [Air Temperature Actuator](#)  
Connector 9: [Air Temperature Actuator - Auxiliary \(C69\)](#)  
Connector 10: [Ambient Air Temperature Sensor \(UFA\)](#)  
Connector 11: [Ambient Light Sensor](#)  
Connector 12: [Automatic Transmission Fluid Pressure \(TFP\) Manual Valve Position Switch \(4L80-E\)](#)  
Connector 13: [Automatic Transmission Fluid Temperature \(TFT\) Sensor \(4L80-E\)](#)  
Connector 14: [Automatic Transmission Input Shaft Speed \(ISS\) Sensor \(4L80-E\)](#)  
Connector 15: [Automatic Transmission Shift Lock Control Solenoid](#)  
Connector 16: [Automatic Transmission Output Shaft Speed \(OSS\) Sensor](#)  
Connector 17: [Backup Alarm \(8S3\)](#)  
Connector 18: [Backup Lamp - Left \(Passenger/Cargo\)](#)  
Connector 19: [Backup Lamp - Right \(Passenger/Cargo\)](#)  
Connector 20: [Battery \(-\)](#)  
Connector 21: [Battery \(+\)](#)  
Connector 22: [Battery Current Sensor \(4.3L/5.3L\)](#)  
Connector 23: [Blower Motor](#)  
Connector 24: [Blower Motor - Auxiliary \(C36/C69\)](#)  
Connector 25: [Blower Motor High Speed Relay - Auxiliary \(C36/C69\)](#)  
Connector 26: [Blower Motor Low Speed Relay - Auxiliary \(C36/C69\)](#)  
Connector 27: [Blower Motor Medium Speed Relay - Auxiliary \(C36/C69\)](#)  
Connector 28: [Blower Motor Resistor](#)  
Connector 29: [Blower Motor Resistor - Auxiliary \(C36/C69\)](#)  
Connector 30: [Blower Motor Switch - Auxiliary \(C36-C69\)](#)  
Connector 31: [Body Control Module \(BCM\) X1](#)  
Connector 32: [Body Control Module \(BCM\) X2](#)  
Connector 33: [Body Control Module \(BCM\) X3](#)  
Connector 34: [Body Control Module \(BCM\) X4](#)  
Connector 35: [Body Control Module \(BCM\) X5](#)  
Connector 36: [Body Control Module \(BCM\) X6](#)  
Connector 37: [Body Control Module \(BCM\) X7](#)  
Connector 38: [Brake Booster Fluid Flow Alarm Switch X1 \(UJ1\)](#)  
Connector 39: [Brake Booster Fluid Flow Alarm Switch X2 \(UJ1\)](#)  
Connector 40: [Brake Booster Fluid Pressure Alarm Switch \(UJ1\)](#)

Connector 41: [Brake Fluid Level Switch \(Heavy Duty\)](#)  
Connector 42: [Brake Pressure Differential Switch \(Light Duty\)](#)  
Connector 43: [Camshaft Position \(CMP\) Actuator Solenoid Valve \(6.0L\)](#)  
Connector 44: [Camshaft Position \(CMP\) Sensor \(4.3L\)](#)  
Connector 45: [Camshaft Position \(CMP\) Sensor \(4.8L/5.3L/6.0L\)](#)  
Connector 46: [Camshaft Position \(CMP\) Sensor \(6.6L\)](#)  
Connector 47: [Center High Mounted Stop Lamp \(CHMSL\) \(Passenger/Cargo\)](#)  
Connector 48: [Central Sequential Fuel Injection \(Central SFI\) X1-X6 \(4.3L\)](#)  
Connector 49: [Central Sequential Fuel Injection \(Central SFI\) X7 \(4.3L\)](#)  
Connector 50: [Chime Module \(UL5\)](#)  
Connector 51: [Cigar Lighter \(DT4\) / Accessory Power Outlet - Center Console 1 \(without DT4\)](#)  
Connector 52: [Coolant Heater \(K08\)](#)  
Connector 53: [Crankshaft Position \(CKP\) Sensor \(4.3L\)](#)  
Connector 54: [Crankshaft Position \(CKP\) Sensor \(4.8L/5.3L/6.0L\)](#)  
Connector 55: [Crankshaft Position \(CKP\) Sensor \(6.6L\)](#)  
Connector 56: [Data Link Connector \(DLC\)](#)  
Connector 57: [Dome Lamp \(Cargo\)](#)  
Connector 58: [Dome/Reading Lamp - Front](#)  
Connector 59: [Dome/Reading Lamp - Middle \(Passenger\)](#)  
Connector 60: [Dome/Reading Lamp - Rear \(Passenger\)](#)  
Connector 61: [Door Contact Plate - Left \(E26 with AU3\)](#)  
Connector 62: [Door Contact Plate - Right \(Passenger/Cargo with AU3\)](#)  
Connector 63: [Door Jamb Switch - Left Rear \(E26\)](#)  
Connector 64: [Door Jamb Switch - Right Rear \(Passenger/Cargo\)](#)  
Connector 65: [Door Latch - Cargo X1 \(Passenger/Cargo\)](#)  
Connector 66: [Door Latch - Cargo X2 \(Passenger/Cargo\)](#)  
Connector 67: [Door Latch - Driver X1](#)  
Connector 68: [Door Latch - Driver X2](#)  
Connector 69: [Door Latch - Passenger X1](#)  
Connector 70: [Door Latch - Passenger X2](#)  
Connector 71: [Door Lock Actuator - Left Rear \(E26 with AU3\)](#)  
Connector 72: [Door Lock Actuator - Right Rear \(E24 with AU3\)](#)  
Connector 73: [Door Lock Actuator - Right Rear \(YA2 with AU3\)](#)  
Connector 74: [Door Lock Switch - Cargo \(Passenger/Cargo with AU3\)](#)  
Connector 75: [Door Lock Switch - Driver \(AU3\)](#)  
Connector 76: [Door Lock Switch - Passenger \(AU3\)](#)  
Connector 77: [Driver Information Center \(DIC\) Switch](#)  
Connector 78: [Electronic Brake Control Module \(EBCM\) \(JL4\)](#)  
Connector 79: [Electronic Brake Control Module \(EBCM\) \(without JL4\)](#)  
Connector 80: [Electronic Compass Module \(U80\)](#)  
Connector 81: [Engine Control Module \(ECM\) X1 \(4.3L\)](#)  
Connector 82: [Engine Control Module \(ECM\) X1 \(4.8L/5.3L/6.0L\)](#)  
Connector 83: [Engine Control Module \(ECM\) X1 \(6.6L\)](#)  
Connector 84: [Engine Control Module \(ECM\) X2 \(4.3L\)](#)  
Connector 85: [Engine Control Module \(ECM\) X2 \(4.8L/5.3L/6.0L\)](#)

**Connector 86:** [Engine Control Module \(ECM\) X2 \(6.6L\)](#)  
**Connector 87:** [Engine Coolant Level Switch \(6.6L\)](#)  
**Connector 88:** [Engine Coolant Temperature \(ECT\) Sensor \(4.3L/4.8L/5.3L/6.0L\)](#)  
**Connector 89:** [Engine Coolant Temperature \(ECT\) Sensor \(6.6L\)](#)  
**Connector 90:** [Engine Cooling Fan \(6.6L\)](#)  
**Connector 91:** [Engine Oil Level \(EOL\) Switch \(6.6L\)](#)  
**Connector 92:** [Engine Oil Pressure \(EOP\) Sensor \(6.6L\)](#)  
**Connector 93:** [Engine Oil Pressure \(EOP\) Sensor \(4.3L\)](#)  
**Connector 94:** [Engine Oil Pressure \(EOP\) Sensor \(4.8L/5.3L/6.0L\)](#)  
**Connector 95:** [Engine Oil Pressure \(EOP\) Sensor \(6.6L\)](#)  
**Connector 96:** [Evaporative Emission \(EVAP\) Canister Purge Solenoid Valve \(4.3L/4.8L/5.3L/6.0L\)](#)  
**Connector 97:** [Evaporative Emission \(EVAP\) Canister Vent Solenoid Valve \(4.3L/4.8L/5.3L/6.0L\)](#)  
**Connector 98:** [Exhaust Gas Recirculation \(EGR\) Temperature Sensor 1 \(6.6L\)](#)  
**Connector 99:** [Exhaust Gas Recirculation \(EGR\) Temperature Sensor 2 \(6.6L\)](#)  
**Connector 100:** [Exhaust Gas Recirculation \(EGR\) Valve \(6.6L\)](#)  
**Connector 101:** [Exhaust Pressure Differential Sensor \(6.6L\)](#)  
**Connector 102:** [Exhaust Temperature Sensor 1 \(6.6L\)](#)  
**Connector 103:** [Exhaust Temperature Sensor 2 \(6.6L\)](#)  
**Connector 104:** [Fuel Heater \(6.6L\)](#)  
**Connector 105:** [Fuel Injector 1 \(4.3L\)](#)  
**Connector 106:** [Fuel Injector 1 \(4.8L/5.3L/6.0L\)](#)  
**Connector 107:** [Fuel Injector 1 \(6.6L\)](#)  
**Connector 108:** [Fuel Injector 2 \(4.3L\)](#)  
**Connector 109:** [Fuel Injector 2 \(4.8L/5.3L/6.0L\)](#)  
**Connector 110:** [Fuel Injector 2 \(6.6L\)](#)  
**Connector 111:** [Fuel Injector 3 \(4.3L\)](#)  
**Connector 112:** [Fuel Injector 3 \(4.8L/5.3L/6.0L\)](#)  
**Connector 113:** [Fuel Injector 3 \(6.6L\)](#)  
**Connector 114:** [Fuel Injector 4 \(4.3L\)](#)  
**Connector 115:** [Fuel Injector 4 \(4.8L/5.3L/6.0L\)](#)  
**Connector 116:** [Fuel Injector 4 \(6.6L\)](#)

<b>Connector 117:</b>	<a href="#">Fuel Injector 5 (4.3L)</a>
<b>Connector 118:</b>	<a href="#">Fuel Injector 5 (4.8L/5.3L/6.0L)</a>
<b>Connector 119:</b>	<a href="#">Fuel Injector 5 (6.6L)</a>
<b>Connector 120:</b>	<a href="#">Fuel Injector 6 (4.3L)</a>
<b>Connector 121:</b>	<a href="#">Fuel Injector 6 (4.8L/5.3L/6.0L)</a>
<b>Connector 122:</b>	<a href="#">Fuel Injector 6 (6.6L)</a>
<b>Connector 123:</b>	<a href="#">Fuel Injector 7 (4.8L/5.3L/6.0L)</a>
<b>Connector 124:</b>	<a href="#">Fuel Injector 7 (6.6L)</a>
<b>Connector 125:</b>	<a href="#">Fuel Injector 8 (4.8L/5.3L/6.0L)</a>
<b>Connector 126:</b>	<a href="#">Fuel Injector 8 (6.6L)</a>
<b>Connector 127:</b>	<a href="#">Fuel Level Sensor (6.6L)</a>
<b>Connector 128:</b>	<a href="#">Fuel Pressure Regulator (6.6L)</a>
<b>Connector 129:</b>	<a href="#">Fuel Pump (6.6L)</a>
<b>Connector 130:</b>	<a href="#">Fuel Pump and Sender Assembly (4.3L/4.8L/5.3L/6.0L)</a>
<b>Connector 131:</b>	<a href="#">Fuel Pump Flow Control Module (5.3L)</a>
<b>Connector 132:</b>	<a href="#">Fuel Rail Pressure (FRP) Sensor (5.3L)</a>
<b>Connector 133:</b>	<a href="#">Fuel Rail Pressure (FRP) Sensor (6.6L)</a>
<b>Connector 134:</b>	<a href="#">Fuel Rail Temperature (FRT) Sensor (6.6L)</a>
<b>Connector 135:</b>	<a href="#">Fuel Tank Pressure (FTP) Sensor (4.3L/4.8L/5.3L/6.0L)</a>
<b>Connector 136:</b>	<a href="#">Generator X1 (4.3L/5.3L)</a>
<b>Connector 137:</b>	<a href="#">Generator X1 (4.8L/6.0L/6.6L)</a>
<b>Connector 138:</b>	<a href="#">Generator X2</a>
<b>Connector 139:</b>	<a href="#">Generator - Auxiliary X1 (KD9 with YF2)</a>
<b>Connector 140:</b>	<a href="#">Generator - Auxiliary X2 (KD9 with YF2)</a>
<b>Connector</b>	<a href="#">Glow Plug 1 (6.6L)</a>

141:	
<b>Connector</b> 142:	<a href="#">Glow Plug 2 (6.6L)</a>
<b>Connector</b> 143:	<a href="#">Glow Plug 3 (6.6L)</a>
<b>Connector</b> 144:	<a href="#">Glow Plug 4 (6.6L)</a>
<b>Connector</b> 145:	<a href="#">Glow Plug 5 (6.6L)</a>
<b>Connector</b> 146:	<a href="#">Glow Plug 6 (6.6L)</a>
<b>Connector</b> 147:	<a href="#">Glow Plug 7 (6.6L)</a>
<b>Connector</b> 148:	<a href="#">Glow Plug 8 (6.6L)</a>
<b>Connector</b> 149:	<a href="#">Glow Plug Control Module (GPCM) X1 (6.6L)</a>
<b>Connector</b> 150:	<a href="#">Glow Plug Control Module (GPCM) X2 (6.6L)</a>
<b>Connector</b> 151:	<a href="#">Headlamp - Left (Sealed)</a>
<b>Connector</b> 152:	<a href="#">Headlamp - Left High Beam (Composite)</a>
<b>Connector</b> 153:	<a href="#">Headlamp - Left Low Beam (Composite)</a>
<b>Connector</b> 154:	<a href="#">Headlamp - Right (Sealed)</a>
<b>Connector</b> 155:	<a href="#">Headlamp - Right High Beam (Composite)</a>
<b>Connector</b> 156:	<a href="#">Headlamp - Right Low Beam (Composite)</a>
<b>Connector</b> 157:	<a href="#">Headlamp and Panel Dimmer Switch</a>
<b>Connector</b> 158:	<a href="#">Heated Oxygen Sensor (HO2S) - Bank 1 Sensor 1</a>
<b>Connector</b> 159:	<a href="#">Heated Oxygen Sensor (HO2S) - Bank 1 Sensor 2</a>
<b>Connector</b> 160:	<a href="#">Heated Oxygen Sensor (HO2S) - Bank 2 Sensor 1</a>
<b>Connector</b> 161:	<a href="#">Heated Oxygen Sensor (HO2S) - Bank 2 Sensor 2</a>
<b>Connector</b> 162:	<a href="#">Horn Assembly</a>
<b>Connector</b> 163:	<a href="#">Horn Switch X1</a>
<b>Connector</b> 164:	<a href="#">Horn Switch X2</a>
<b>Connector</b> 165:	<a href="#">HVAC Control Assembly - Front Auxiliary (C69 without Rear Auxiliary Controls)</a>

<b>Connector 166:</b>	<a href="#">HVAC Control Assembly - Front Auxiliary (C69 with Rear Auxiliary Controls)</a>
<b>Connector 167:</b>	<a href="#">HVAC Control Assembly - Rear Auxiliary (C69 with Rear Auxiliary Controls)</a>
<b>Connector 168:</b>	<a href="#">HVAC Control Assembly X1</a>
<b>Connector 169:</b>	<a href="#">HVAC Control Assembly X2</a>
<b>Connector 170:</b>	<a href="#">HVAC Control Assembly X3</a>
<b>Connector 171:</b>	<a href="#">HVAC Control Assembly X4 (C60)</a>
<b>Connector 172:</b>	<a href="#">HVAC Control Module - Auxiliary (C69 with Rear Auxiliary Controls)</a>
<b>Connector 173:</b>	<a href="#">Ignition Coil 1 (4.8L/5.3L/6.0L)</a>
<b>Connector 174:</b>	<a href="#">Ignition Coil 2 (4.8L/5.3L/6.0L)</a>
<b>Connector 175:</b>	<a href="#">Ignition Coil 3 (4.8L/5.3L/6.0L)</a>
<b>Connector 176:</b>	<a href="#">Ignition Coil 4 (4.8L/5.3L/6.0L)</a>
<b>Connector 177:</b>	<a href="#">Ignition Coil 5 (4.8L/5.3L/6.0L)</a>
<b>Connector 178:</b>	<a href="#">Ignition Coil 6 (4.8L/5.3L/6.0L)</a>
<b>Connector 179:</b>	<a href="#">Ignition Coil 7 (4.8L/5.3L/6.0L)</a>
<b>Connector 180:</b>	<a href="#">Ignition Coil 8 (4.8L/5.3L/6.0L)</a>
<b>Connector 181:</b>	<a href="#">Ignition Control Module (ICM) (4.3L)</a>
<b>Connector 182:</b>	<a href="#">Ignition Switch</a>
<b>Connector 183:</b>	<a href="#">Inflatable Restraint Front End Sensor</a>
<b>Connector 184:</b>	<a href="#">Inflatable Restraint Front Passenger Presence System (PPS) Sensor (Light Duty without YF7)</a>
<b>Connector 185:</b>	<a href="#">Inflatable Restraint I/P Module (Heavy Duty)</a>
<b>Connector 186:</b>	<a href="#">Inflatable Restraint I/P Module (Light Duty)</a>
<b>Connector 187:</b>	<a href="#">Inflatable Restraint I/P Module Disable Switch (C99)</a>
<b>Connector 188:</b>	<a href="#">Inflatable Restraint I/P Module Indicator (Light Duty without YF7)</a>
<b>Connector 189:</b>	<a href="#">Inflatable Restraint Roof Rail Module - Left Front (ASF)</a>
<b>Connector</b>	<a href="#">Inflatable Restraint Roof Rail Module - Right Front (ASF)</a>

190:

**Connector**

191:

[Inflatable Restraint Roof Rail Module - Right Rear \(ASF with YA2\)](#)

**Connector**

192:

[Inflatable Restraint Seat Position Sensor \(SPS\) - Driver \(Light Duty\)](#)

**Connector**

193:

[Inflatable Restraint Seat Position Sensor \(SPS\) - Passenger \(Light Duty\)](#)

**Connector**

194:

[Inflatable Restraint Sensing and Diagnostic Module \(SDM\)](#)

**Connector**

195:

[Inflatable Restraint Side Impact Sensor \(SIS\) - Left Front \(ASF\)](#)

**Connector**

196:

[Inflatable Restraint Side Impact Sensor \(SIS\) - Left Rear \(Passenger with ASF\)](#)

**Connector**

197:

[Inflatable Restraint Side Impact Sensor \(SIS\) - Right Front \(ASF\)](#)

**Connector**

198:

[Inflatable Restraint Side Impact Sensor \(SIS\) - Right Rear \(Passenger with ASF with E24\)](#)

**Connector**

199:

[Inflatable Restraint Side Impact Sensor \(SIS\) - Right Rear \(Passenger with ASF with YA2\)](#)

**Connector**

200:

[Inflatable Restraint Steering Wheel Module X1 \(Light Duty\)](#)

**Connector**

201:

[Inflatable Restraint Steering Wheel Module X2 \(Light Duty\)](#)

**Connector**

202:

[Inflatable Restraint Steering Wheel Module \(Heavy Duty\)](#)

**Connector**

203:

[Inflatable Restraint Steering Wheel Module Coil X1](#)

**Connector**

204:

[Inflatable Restraint Steering Wheel Module Coil X2](#)

**Connector**

205:

[Inflatable Restraint Vehicle Rollover Sensor \(ASF\)](#)

**Connector**

206:

[Instrument Panel Cluster \(IPC\)](#)

**Connector**

207:

[Intake Air Heater \(IAH\) X1 \(6.6L\)](#)

**Connector**

208:

[Intake Air Heater \(IAH\) X2 \(6.6L\)](#)

**Connector**

209:

[Intake Air Temperature \(IAT\) Sensor \(6.6L\)](#)

**Connector**

210:

[Intake Air Valve \(6.6L\)](#)

**Connector**

211:

[Knock Sensor \(KS\) 1 \(4.3L/4.8L/5.3L/6.0L\)](#)

**Connector**

212:

[Knock Sensor \(KS\) 2 \(4.3L/4.8L/5.3L/6.0L\)](#)

**Connector**

213:

[License Lamp \(Passenger/Cargo\)](#)

**Connector**

214:

[Manifold Absolute Pressure \(MAP\) Sensor \(4.3L/4.8L/5.3L/6.0L\)](#)

<b>Connector</b> 215:	<a href="#">Manifold Absolute Pressure (MAP) Sensor (6.6L)</a>
<b>Connector</b> 216:	<a href="#">Marker Lamp - Left Front</a>
<b>Connector</b> 217:	<a href="#">Marker Lamp - Right Front</a>
<b>Connector</b> 218:	<a href="#">Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor (4.3L/4.8L/5.3L/6.0L)</a>
<b>Connector</b> 219:	<a href="#">Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor (6.6L)</a>
<b>Connector</b> 220:	<a href="#">Mode Actuator - Auxiliary (C69)</a>
<b>Connector</b> 221:	<a href="#">Outside Rearview Mirror - Driver (DE5/DE7)</a>
<b>Connector</b> 222:	<a href="#">Outside Rearview Mirror - Passenger (DE5/DE7)</a>
<b>Connector</b> 223:	<a href="#">Outside Rearview Mirror Switch (DE5/DE7)</a>
<b>Connector</b> 224:	<a href="#">Park Brake Switch</a>
<b>Connector</b> 225:	<a href="#">Park/Neutral Position (PNP) Switch (4.8L/6.0L/6.6L)</a>
<b>Connector</b> 226:	<a href="#">Park/Turn Signal Lamp - Left Front</a>
<b>Connector</b> 227:	<a href="#">Park/Turn Signal Lamp - Right Front</a>
<b>Connector</b> 228:	<a href="#">Pressure Control (PC) Solenoid Valve (4L80-E)</a>
<b>Connector</b> 229:	<a href="#">Radio X1</a>
<b>Connector</b> 230:	<a href="#">Radio X2</a>
<b>Connector</b> 231:	<a href="#">Rear Window Defogger Grid - Left (C49)</a>
<b>Connector</b> 232:	<a href="#">Rear Window Defogger Grid - Left X1 (C49 with A12)</a>
<b>Connector</b> 233:	<a href="#">Rear Window Defogger Grid - Left X2 (C49 with A12)</a>
<b>Connector</b> 234:	<a href="#">Rear Window Defogger Grid - Right (C49 with A18)</a>
<b>Connector</b> 235:	<a href="#">Rear Window Defogger Grid - Right X1 (C49 with A12)</a>
<b>Connector</b> 236:	<a href="#">Rear Window Defogger Grid - Right X2 (C49 with A12)</a>
<b>Connector</b> 237:	<a href="#">Remote Control Door Lock Receiver (RCDLR) (AU0)</a>
<b>Connector</b> 238:	<a href="#">Seat Adjuster Motor Assembly - Driver (AG1)</a>
<b>Connector</b>	<a href="#">Seat Adjuster Switch - Driver (AG1)</a>

239:

**Connector**

240: [Seat Adjuster Motor Assembly - Passenger \(AG2\)](#)

**Connector**

241: [Seat Adjuster Switch - Passenger \(AG2\)](#)

**Connector**

242: [Seat Belt Buckle - Driver](#)

**Connector**

243: [Seat Belt Buckle - Passenger](#)

**Connector**

244: [Seat Belt Pretensioner - Driver \(Light Duty\)](#)

**Connector**

245: [Seat Belt Pretensioner - Passenger \(Light Duty\)](#)

**Connector**

246: [Speaker - Left Cargo Door \(US8/US9\)](#)

**Connector**

247: [Speaker - Left Front](#)

**Connector**

248: [Speaker - Left Rear \(Passenger/Cargo\)](#)

**Connector**

249: [Speaker - Right Cargo Door \(US8/US9\)](#)

**Connector**

250: [Speaker - Right Front](#)

**Connector**

251: [Speaker - Right Rear \(Passenger/Cargo\)](#)

**Connector**

252: [Starter Motor X1 \(4.3L/4.8L/5.3L/6.0L\)](#)

**Connector**

253: [Starter Motor X1 \(6.6L\)](#)

**Connector**

254: [Starter Motor X2 \(4.3L/4.8L/5.3L/6.0L\)](#)

**Connector**

255: [Starter Motor X2 \(6.6L\)](#)

**Connector**

256: [Steering Wheel Control Switch - Left \(K34\)](#)

**Connector**

257: [Steering Wheel Control Switch - Right \(W1Y\)](#)

**Connector**

258: [Steering Wheel Speed/Position Sensor \(JL4\)](#)

**Connector**

259: [Stop Lamp Switch](#)

**Connector**

260: [Sunshade - Left \(DH6 with YF7\)](#)

**Connector**

261: [Sunshade - Right \(DH6\)](#)

**Connector**

262: [Tail/Stop and Turn Signal Lamp - Left \(Passenger/Cargo\)](#)

**Connector**

263: [Tail/Stop and Turn Signal Lamp - Right \(Passenger/Cargo\)](#)

<b>Connector</b> 264:	<a href="#">Theft Deterrent Module (TDM)</a>
<b>Connector</b> 265:	<a href="#">Throttle Body (4.3L/4.8L/5.3L/6.0L)</a>
<b>Connector</b> 266:	<a href="#">Torque Converter Clutch (TCC) Pulse Width Modulated (PWM) Solenoid Valve (4L80-E)</a>
<b>Connector</b> 267:	<a href="#">Tow/Haul Switch</a>
<b>Connector</b> 268:	<a href="#">Traction Control Switch (TCS) (JL4)</a>
<b>Connector</b> 269:	<a href="#">Trailer Connector (UY7)</a>
<b>Connector</b> 270:	<a href="#">Transmission Control Module (TCM) (4.3L/4.8L/5.3L/6.0L)</a>
<b>Connector</b> 271:	<a href="#">Transmission Control Module (TCM) (6.6L)</a>
<b>Connector</b> 272:	<a href="#">Turbocharger Vane Position Control Solenoid Valve (6.6L)</a>
<b>Connector</b> 273:	<a href="#">Turbocharger Vane Position Sensor (6.6L)</a>
<b>Connector</b> 274:	<a href="#">Turn Signal/Multifunction Switch X1</a>
<b>Connector</b> 275:	<a href="#">Turn Signal/Multifunction Switch X2</a>
<b>Connector</b> 276:	<a href="#">Turn Signal/Multifunction Switch X3</a>
<b>Connector</b> 277:	<a href="#">Underhood Lamp</a>
<b>Connector</b> 278:	<a href="#">Vacuum Pump (6.6L)</a>
<b>Connector</b> 279:	<a href="#">Water in Fuel Sensor (6.6L)</a>
<b>Connector</b> 280:	<a href="#">Wheel Speed Sensor (WSS) - Left Front</a>
<b>Connector</b> 281:	<a href="#">Wheel Speed Sensor (WSS) - Left Rear (JL4)</a>
<b>Connector</b> 282:	<a href="#">Wheel Speed Sensor (WSS) - Right Front</a>
<b>Connector</b> 283:	<a href="#">Wheel Speed Sensor (WSS) - Right Rear (JL4)</a>
<b>Connector</b> 284:	<a href="#">Window Motor - Driver (A31)</a>
<b>Connector</b> 285:	<a href="#">Window Motor - Passenger (A31)</a>
<b>Connector</b> 286:	<a href="#">Window Switch - Driver (A31)</a>
<b>Connector</b> 287:	<a href="#">Window Switch - Passenger (A31)</a>
<b>Connector</b>	<a href="#">Windshield Washer Fluid Pump</a>

288:

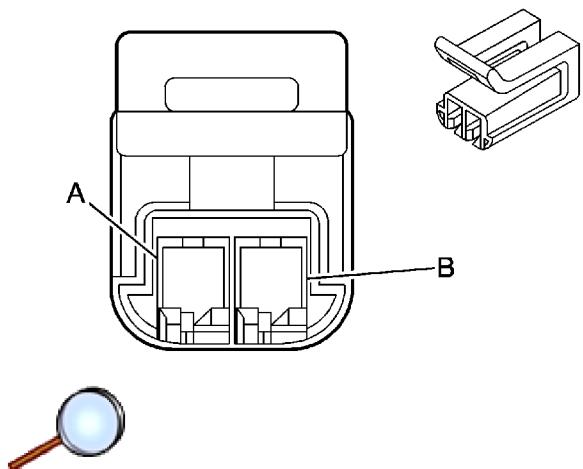
**Connector** [Windshield Wiper Motor](#)

289:

**Connector** [Yaw and Lateral Accelerometer Sensor \(JL4\)](#)

290:

## **1-2 Shift Solenoid (SS) Valve (4L80-E)**



### **Connector Part Information**

- | OEM: 15473843
- | Service: See Catalog
- | Description: 2-Way F Metri-Pack 150.2 Series (CM)

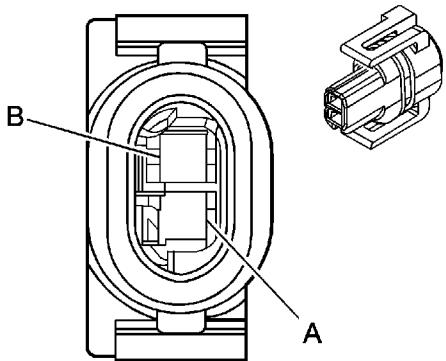
### **Terminal Part Information**

- | Terminal/Tray: 12124075/5
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 12180559-1/J-35616-14 (GN)

## **1-2 Shift Solenoid (SS) Valve (4L80-E)**

Pin	Wire	Circuit	Function
A	0.5 RD	839	Ignition Voltage (4L60-E)
	0.5 L-GN	1222	1-2 Shift Solenoid Valve Control (4L80-E)
B	0.5 L-GN	1222	1-2 Shift Solenoid Valve Control (4L60-E)
	0.5 RD	839	Ignition Voltage (4L80-E)

## **2-3 Shift Solenoid (SS) Valve (4L80-E)**



### Connector Part Information

- | OEM: 12162205
- | Service: 12162205
- | Description: 2-Way F Metri-Pack 150.2 P2S (GY)

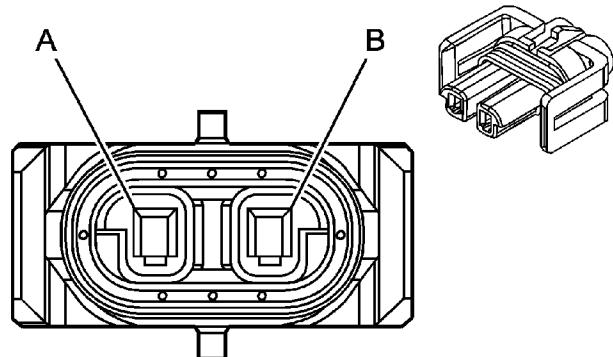
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## **2-3 Shift Solenoid (SS) Valve (4L80-E)**

Pin	Wire	Circuit	Function
A	0.5 RD	839	Ignition Voltage
B	0.5 YE	1223	2-3 Shift Solenoid Valve Control

## **A/C Compressor Clutch (C60)**



### Connector Part Information

- | OEM: 12162017
- | Service: 12162017
- | Description: 2-Way F Metri-Pack 150 Series Sealed (GY)

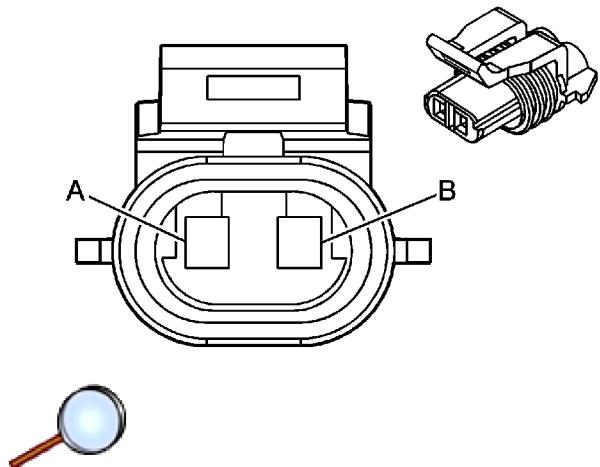
## Terminal Part Information

- | Terminal/Tray: 12048074/2
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## A/C Compressor Clutch (C60)

Pin	Wire	Circuit	Function
A	0.8 BK	1250	Ground (4.8L/6.0L/6.6L)
	0.5 BK	1250	Ground (4.3L/5.3L)
B	0.5 D-GN	59	A/C Compressor Clutch Control

## A/C Low Pressure Switch (C60)



## Connector Part Information

- | OEM: 12052644
- | Service: 12052644
- | Description: 2-Way F Metri-Pack 150 Series Sealed (GY)

## Terminal Part Information

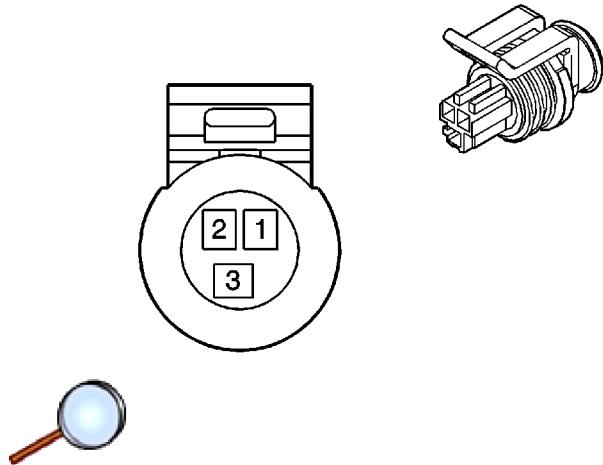
- | Terminal/Tray: 12048074/2
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## A/C Low Pressure Switch (C60)

Pin	Wire	Circuit	Function
A	0.5 L-GN	66	A/C Request Signal

B	0.5 L-GN	66	A/C Request Signal
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## A/C Refrigerant Pressure Sensor (C60)



### Connector Part Information

- | OEM: 13532244
- | Service: See Catalog
- | Description: 3-Way F GT 150 Series Sealed (BK)

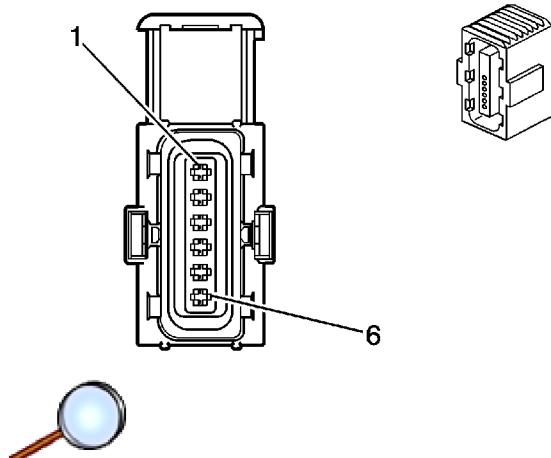
### Terminal Part Information

- | Terminal/Tray: 15326267/19
- | Core/Insulation Crimp: E/4
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## A/C Refrigerant Pressure Sensor (C60)

Pin	Wire	Circuit	Function
1	0.35 TN	5514	Low Reference (4.3L/4.8L/5.3L/6.0L)
	0.5 TN	5514	Low Reference (6.6L)
2	0.35 GY	2700	5-Volt Reference (4.3L/4.8L/5.3L/6.0L)
	0.5 GY	2700	5-Volt Reference (6.6L)
3	0.35 OG/BK	380	A/C Refrigerant Pressure Sensor Signal (4.3L/4.8L/5.3L/6.0L)
	0.5 OG/BK	380	A/C Refrigerant Pressure Sensor Signal (6.6L)

## Accelerator Pedal Position (APP) Sensor



## Connector Part Information

- | OEM: 15383136
- | Service: 89046653
- | Description: 6-Way F Sealed (BK)

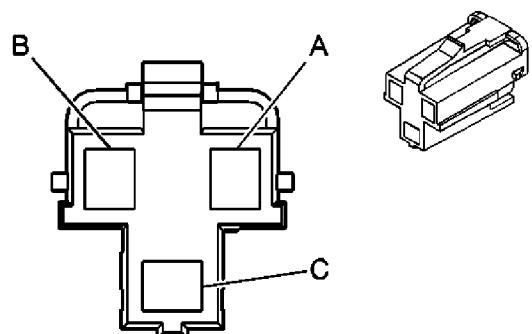
## Terminal Part Information

- | Terminal/Tray: 4-969005-1/16
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: J-38125-560/J-35616-33 (YE)

## Accelerator Pedal Position (APP) Sensor

Pin	Wire	Circuit	Function
1	0.35 TN	1274	5-Volt Reference
2	0.35 WH/BK	1164	5-Volt Reference
3	0.35 D-BU	1161	Accelerator Pedal Position (APP) Sensor 1 Signal
4	0.35 BN	1271	Low Reference
5	0.35 PU	1272	Low Reference
6	0.35 L-BU	1162	Accelerator Pedal Position (APP) Sensor 2 Signal

## Accessory Power Outlet - Center Console 2





## Connector Part Information

- | OEM: 12176836
- | Service: 12176836
- | Description: 3-Way F Metri-Pack 280 Series (GY)

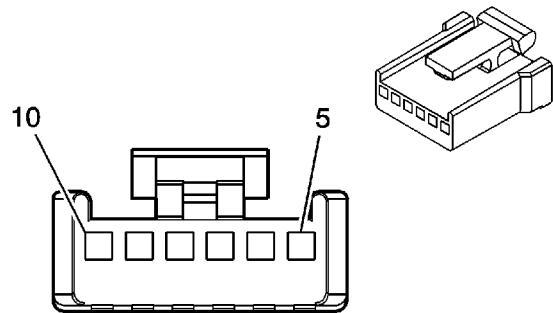
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Accessory Power Outlet - Center Console 2

Pin	Wire	Circuit	Function
A	0.8 RD/WH	1040	Battery Positive Voltage
B	--	--	Not Used
C	0.8 BK	550	Ground

## Air Temperature Actuator



## Connector Part Information

- | OEM: 12040953
- | Service: 12102632
- | Description: 6-Way F Micro-Pack 100 Series (BK)

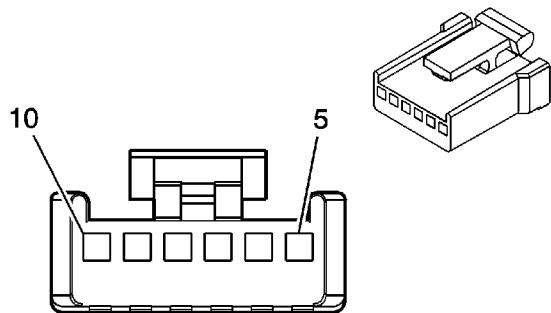
## Terminal Part Information

- | Pins: 7, 8, 10
- | Terminal/Tray: 12146447/3
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 12031876-1/J-35616-6 (BN)

## Air Temperature Actuator

Pin	Wire	Circuit	Function
5-6	--	--	Not Used
7	0.5 BK	550	Ground
8	0.8 L-BU	733	Air Temperature Door Control
9	--	--	Not Used
10	0.35 BN	341	Ignition Voltage

## Air Temperature Actuator - Auxiliary (C69)



### Connector Part Information

- | OEM: 12040953
- | Service: 12102632
- | Description: 6-Way F Micro-Pack 100 Series (BK)

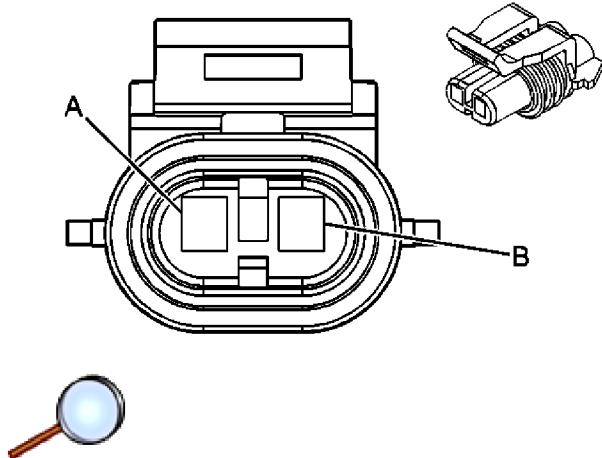
### Terminal Part Information

- | Pins: 7, 8, 10
- | Terminal/Tray: 12146447/3
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 12031876-1/J-35616-6 (BN)

## Air Temperature Actuator - Auxiliary (C69)

Pin	Wire	Circuit	Function
5-6	--	--	Not Used
7	0.35 BK	850	Ground
8	0.35 OG	2775	Auxiliary Air Temperature Door Control
9	--	--	Not Used
10	0.35 BN	341	Ignition Voltage

## Ambient Air Temperature Sensor (UFA)



## Connector Part Information

- | OEM: 12052642
- | Service: 12101856
- | Description: 2-Way F Metri-Pack 150 Series Sealed (L-GN)

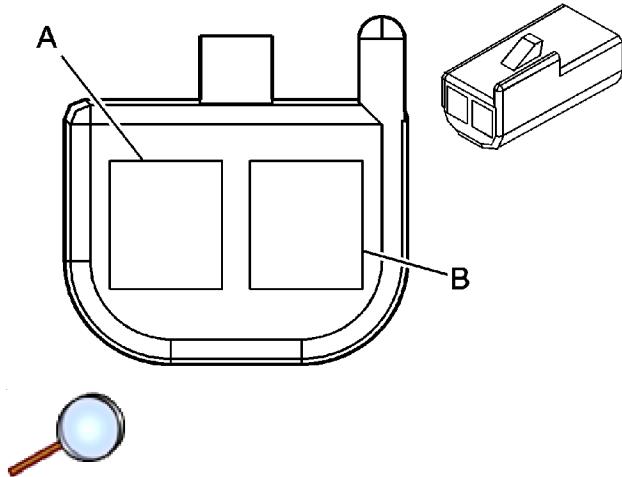
## Terminal Part Information

- | Terminal/Tray: 12048074/2
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Ambient Air Temperature Sensor (UFA)

Pin	Wire	Circuit	Function
A	0.5 D-GN/WH	636	Ambient Air Temperature Sensor Signal
B	0.5 YE	61	Low Reference

## Ambient Light Sensor



## Connector Part Information

- | OEM: 12047662
- | Service: 12085535
- | Description: 2-Way F Metri-Pack 150 Series (BK)

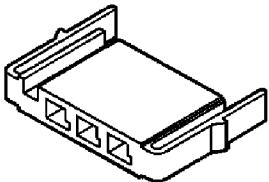
## Terminal Part Information

- | Terminal/Tray: 12064971/5
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Ambient Light Sensor

Pin	Wire	Circuit	Function
A	0.35 WH	278	Ambient Light Sensor Signal
B	0.35 BK/WH	351	Ground

## Automatic Transmission Fluid Pressure (TFP) Manual Valve Position Switch (4L80-E)



## Connector Part Information

- | OEM: 12162200
- | Service: See Catalog
- | Description: 3-Way F 3F Metri-Pack 150.2 P2S (RD)

## Terminal Part Information

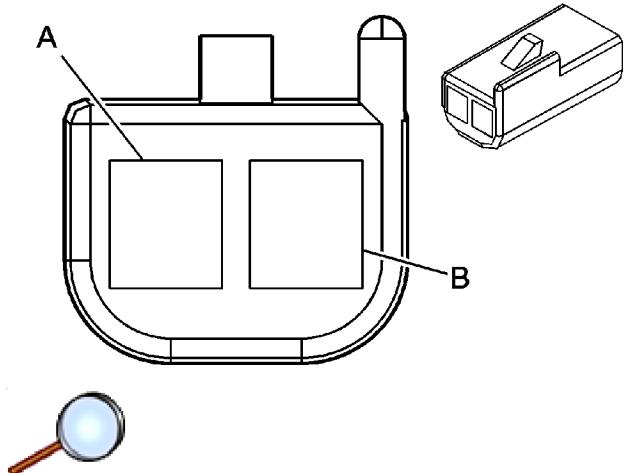
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Automatic Transmission Fluid Pressure (TFP) Manual Valve Position Switch (4L80-E)

Pin	Wire	Circuit	Function
-----	------	---------	----------

A	0.5 PK	1224	Transmission Fluid Pressure Switch Signal A
B	0.5 D-BU	1225	Transmission Fluid Pressure Switch Signal B
C	0.5 OG	1226	Transmission Fluid Pressure Switch Signal C

## Automatic Transmission Fluid Temperature (TFT) Sensor (4L80-E)



### Connector Part Information

- | OEM: 12047662
- | Service: 12047662
- | Description: 2-Way F Metri-Pack 150 Series (BK)

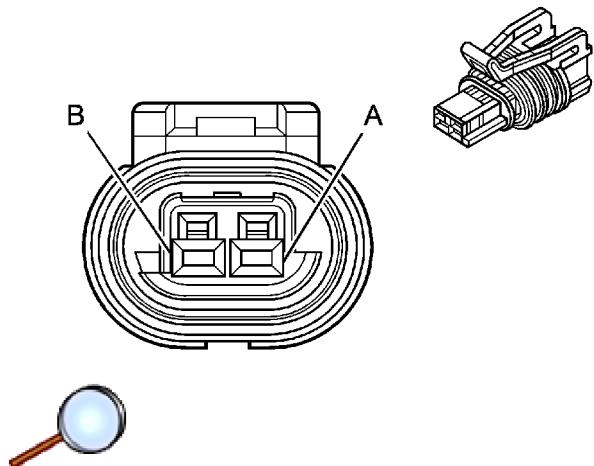
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Automatic Transmission Fluid Temperature (TFT) Sensor (4L80-E)

Pin	Wire	Circuit	Function
A	0.5 BN	1227	Transmission Fluid Temperature (TFT) Sensor Signal
B	0.5 GY	452	Ground

## Automatic Transmission Input Shaft Speed (ISS) Sensor (4L80-E)



## Connector Part Information

- | OEM: 15449028
- | Service: 88987993
- | Description: 2-Way F GT 150 Series Sealed (BK)

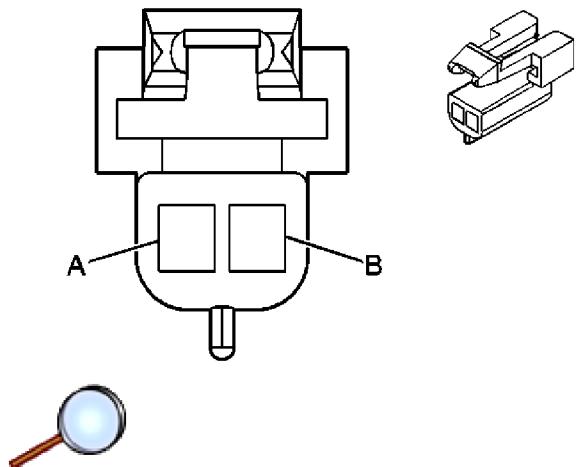
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Automatic Transmission Input Shaft Speed (ISS) Sensor (4L80-E)

Pin	Wire	Circuit	Function
A	0.5 D-BU/WH	1231	Automatic Transmission Input Speed Sensor (ISS) Low Signal
B	0.5 OG/BK	1230	Automatic Transmission Input Speed Sensor (ISS) High Signal

## Automatic Transmission Shift Lock Control Solenoid



## Connector Part Information

- | OEM: 12052832
- | Service: 12101825
- | Description: 2-Way F Metri-Pack 150 Series (BK)

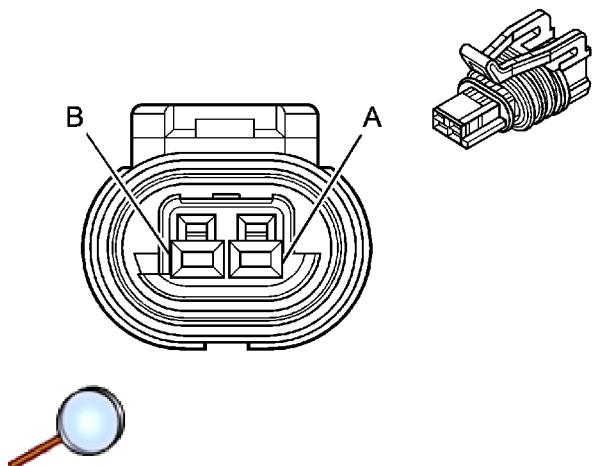
## Terminal Part Information

- | Terminal/Tray: 12064971/5
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Automatic Transmission Shift Lock Control Solenoid

Pin	Wire	Circuit	Function
A	0.5 TN/WH	816	A/T Shift Lock Solenoid Control
B	0.5 BK	350	Ground

## Automatic Transmission Output Shaft Speed (OSS) Sensor



## Connector Part Information

- | OEM: 15449028
- | Service: 88987993
- | Description: 2-Way F GT 150 Series Sealed (BK)

## Terminal Part Information

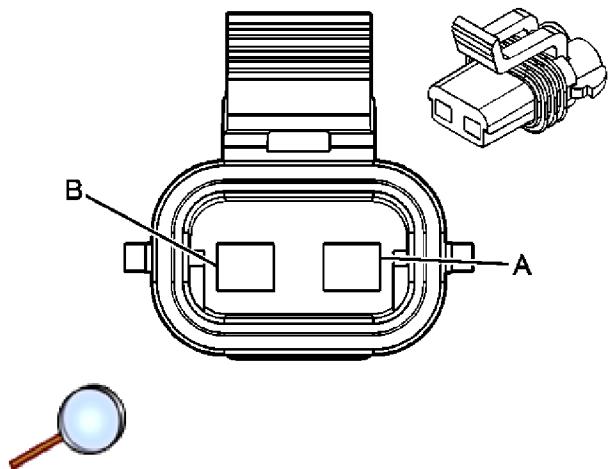
- | Terminal/Tray: 15326267/19
- | Core/Insulation Crimp: E/4
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Automatic Transmission Output Shaft Speed (OSS) Sensor

Pin	Wire	Circuit	Function

A	0.5 L-GN/BK	822	Vehicle Speed Sensor (VSS) Low Signal
B	0.5 PU/WH	821	Vehicle Speed Sensor (VSS) High Signal

## Backup Alarm (8S3)



### Connector Part Information

- | OEM: 15300027
- | Service: 15300027
- | Description: 2-Way F Metri-Pack 280 Series Sealed (BK)

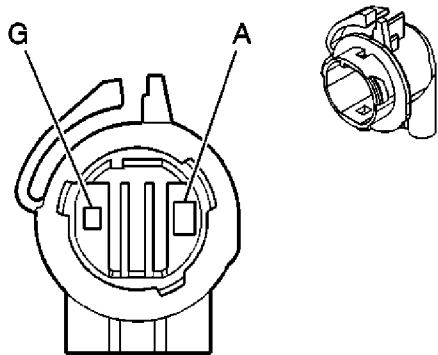
### Terminal Part Information

- | Terminal/Tray: 12077411/2
- | Core/Insulation Crimp: 2/5
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)

## Backup Alarm (8S3)

Pin	Wire	Circuit	Function
A	1 L-GN	1624	Trailer Backup Lamps Control
B	1 BK	150	Ground

## Backup Lamp - Left (Passenger/Cargo)



### Connector Part Information

- | OEM: 16530668
- | Service: See Catalog
- | Description: 2-Way Lamp Socket Wedge Base W3 Right Angle Sealed (L-GY)

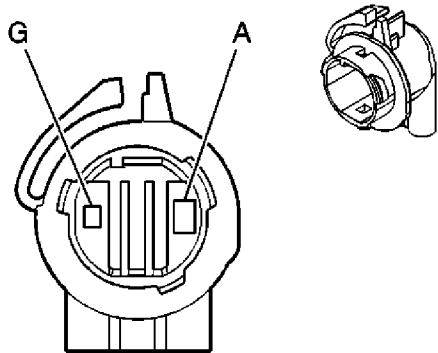
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

### Backup Lamp - Left (Passenger/Cargo)

Pin	Wire	Circuit	Function
A	0.8 L-GN	24	Backup Lamp Supply Voltage
G	0.8 BK	850	Ground

### Backup Lamp - Right (Passenger/Cargo)



### Connector Part Information

- | OEM: 16530668
- | Service: See Catalog
- | Description: 2-Way Lamp Socket Wedge Base W3 Right Angle Sealed (L-GY)

## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## **Backup Lamp - Right (Passenger/Cargo)**

Pin	Wire	Circuit	Function
A	0.8 L-GN	24	Backup Lamp Supply Voltage
G	0.8 BK	1050	Ground

## **Battery (-)**

### Terminal Part Information

- | Terminal: 12129221
- | Core/Insulation Crimp: N/A
- | Description: Battery Terminal

## **Battery (-)**

Pin	Wire	Circuit	Function
-	19 BK	50	Ground
	32 BK	50	Ground

## **Battery (+)**

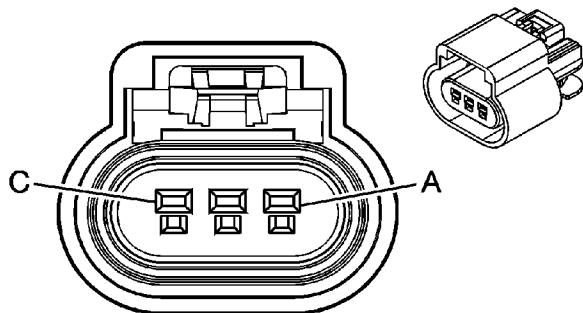
### Terminal Part Information

- | Terminal: 12129465
- | Core/Insulation Crimp: N/A
- | Description: Battery Terminal

## **Battery (+)**

Pin	Wire	Circuit	Function
+	32 RD	1	Battery Positive Voltage
	8 RD	1	Battery Positive Voltage
	8 RD	1	Battery Positive Voltage

## **Battery Current Sensor (4.3L/5.3L)**



## Connector Part Information

- | OEM: 13519047
- | Service: See Catalog
- | Description: 3-Way F GT 150 Series Sealed (BK)

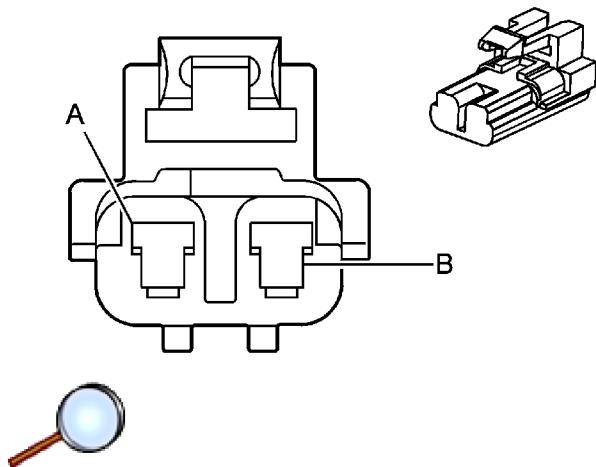
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Battery Current Sensor (4.3L/5.3L)

Pin	Wire	Circuit	Function
A	0.5 PK	5076	5-Volt Reference
B	0.5 BN	5077	Low Reference
C	0.5 WH	5075	Battery Current Sensor Signal

## Blower Motor



## Connector Part Information

- | OEM: 12084957
- | Service: 12126460
- | Description: 2-Way F Metri-Pack 280 Series Sealed (BK)

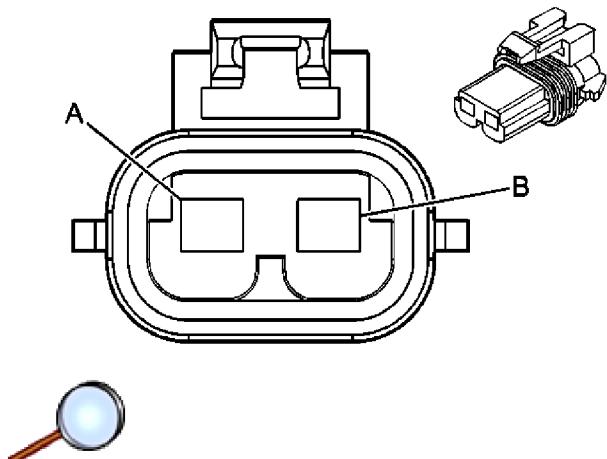
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Blower Motor

Pin	Wire	Circuit	Function
A	3 BK	1250	Ground
B	3 RD	65	Auxiliary Blower Motor Control

## Blower Motor - Auxiliary (C36/C69)



## Connector Part Information

- | OEM: 12077900
- | Service: 12077900
- | Description: 2-Way F Metri-Pack 280 Series Sealed (BK)

## Terminal Part Information

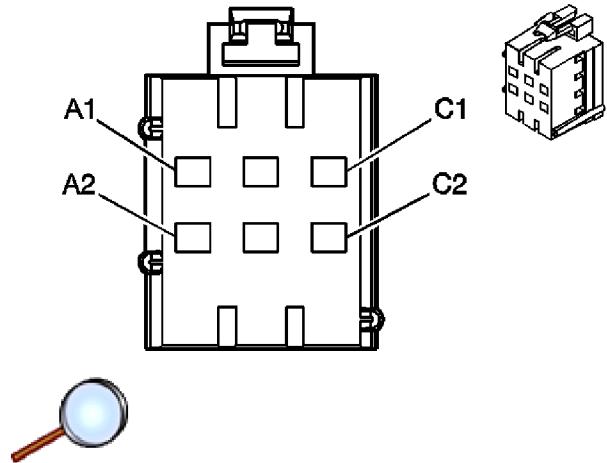
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Blower Motor - Auxiliary (C36/C69)

Pin	Wire	Circuit	Function
A	5 BK	850	Ground

B	5 YE	1172	Auxiliary Blower Motor Control
---	------	------	--------------------------------

## **Blower Motor High Speed Relay - Auxiliary (C36/C69)**



### **Connector Part Information**

- | OEM: 12129715
- | Service: 12129715
- | Description: 6-Way F Metri-Pack 280 Series Flexlock (GY)

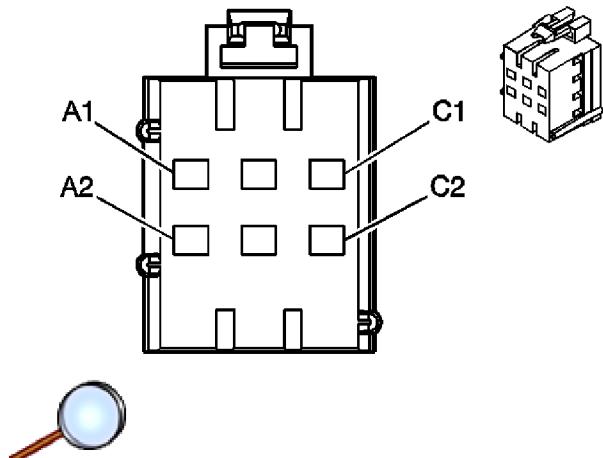
### **Terminal Part Information**

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## **Blower Motor High Speed Relay - Auxiliary (C36/C69)**

Pin	Wire	Circuit	Function
A1	0.35 WH	1924	Auxiliary Blower Motor Low Control
A2	5 YE	1172	Auxiliary Blower Motor Low Control
B1-B2	--	--	Not Used
C1	5 RD/WH	1740	Battery Positive Voltage
C2	0.35 BN	341	Ignition Voltage

## **Blower Motor Low Speed Relay - Auxiliary (C36/C69)**



## Connector Part Information

- | OEM: 12129715
- | Service: 12129715
- | Description: 6-Way F Metri-Pack 280 Series Flexlock (GY)

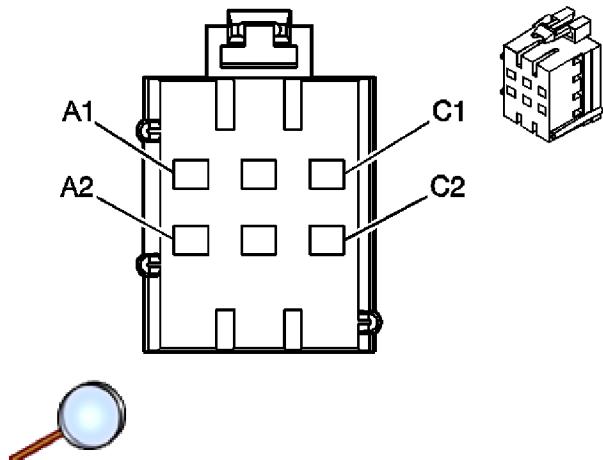
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## **Blower Motor Low Speed Relay - Auxiliary (C36/C69)**

Pin	Wire	Circuit	Function
A1	0.35 D-BU	1926	Auxiliary Blower Motor Low Control
A2	3 YE	1176	Auxiliary Blower Motor Low Control
B1	--	--	Not Used
B2	--	--	Not Used
C1	5 RD/WH	1740	Battery Positive Voltage
C2	0.35 BN	341	Ignition Voltage

## **Blower Motor Medium Speed Relay - Auxiliary (C36/C69)**



## Connector Part Information

- | OEM: 12129715
- | Service: 12129715
- | Description: 6-Way F Metri-Pack 280 Series Flexlock (GY)

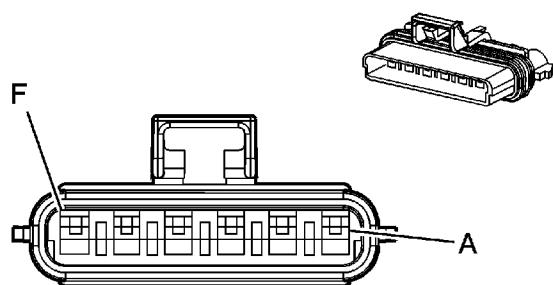
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Blower Motor Medium Speed Relay - Auxiliary (C36/C69)

Pin	Wire	Circuit	Function
A1	0.35 OG	1925	Auxiliary Blower Motor Medium Control
A2	3 L-BU	1072	Auxiliary Blower Motor Medium Control
B1-B2	--	--	Not Used
C1	5 RD/WH	1740	Battery Positive Voltage
C2	0.35 BN	341	Ignition Voltage

## Blower Motor Resistor





## Connector Part Information

- | OEM: 12160746
- | Service: 12160746
- | Description: 6-Way F Metri-Pack 280 Series Flexlock Sealed (L-GY)

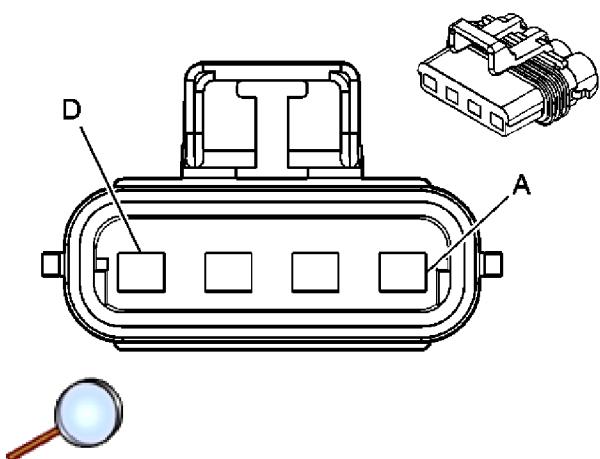
## Terminal Part Information

- | Pins: A, C
- | Terminal/Tray: 12110853/4
- | Core/Insulation Crimp: B/5
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)
  
- | Pins: B, D-F
- | Terminal/Tray: 12110847/4
- | Core/Insulation Crimp: C/5
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## Blower Motor Resistor

Pin	Wire	Circuit	Function
A	5 RD/BK	542	Battery Positive Voltage
B	0.8 OG	52	Blower Motor High Control
C	5 BK	1250	Ground
D	0.8 TN	63	Blower Motor Medium Control
E	0.8 YE	60	Blower Motor Low Control
F	0.8 L-BU	72	Medium 2 Blower Motor Control

## Blower Motor Resistor - Auxiliary (C36/C69)



## Connector Part Information

- | OEM: 12129566
- | Service: 12129566
- | Description: 4-Way F Metri-Pack 280 Series Sealed (GY)

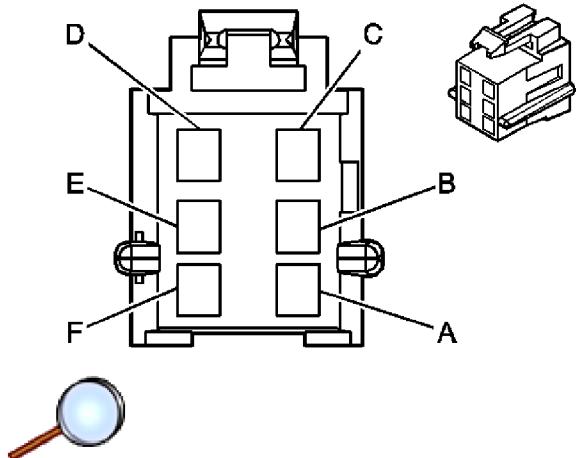
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Blower Motor Resistor - Auxiliary (C36/C69)

Pin	Wire	Circuit	Function
A	3 YE	1176	Auxiliary Blower Motor Low Control
B	--	--	Not Used
C	3 L-BU	1072	Auxiliary Blower Motor Medium Control
D	5 YE	1172	Auxiliary Blower Motor Supply Voltage

## Blower Motor Switch - Auxiliary (C36-C69)



## Connector Part Information

- | OEM: 12064752
- | Service: 12064752
- | Description: 6-Way F Metri-Pack 280 Series (BK)

## Terminal Part Information

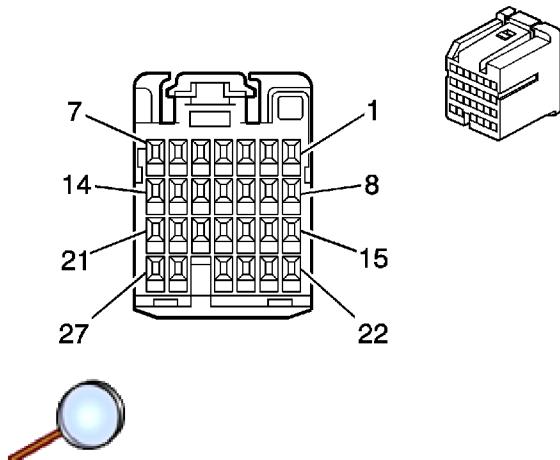
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Blower Motor Switch - Auxiliary (C36-C69)

Pin	Wire	Circuit	Function
A	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control

B	0.35 BK	450	Ground
C	--	--	Not Used
D	0.35 WH	1924	Auxiliary Blower Motor High Control
E	0.35 D-BU	1926	Auxiliary Blower Motor Low Control
F	0.35 OG	1925	Auxiliary Blower Motor Medium Control

## Body Control Module (BCM) X1



### Connector Part Information

- | OEM: 15482789
- | Service: 88988838
- | Description: 27-Way F HIT Series (L-GN)

### Terminal Part Information

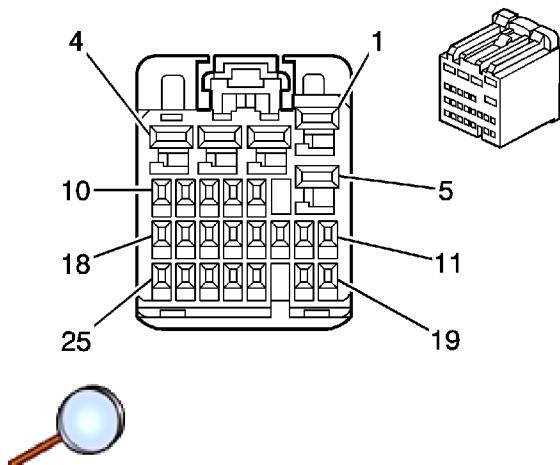
- | Pins: 2-6, 8, 9, 14-21, 23-26
- | Terminal/Tray: SNAC3-A021T-M0.64/20
- | Core/Insulation Crimp: J/J
- | Release Tool/Test Probe: 15315247/J-35616-64B (L-BU)

## Body Control Module (BCM) X1

Pin	Wire	Circuit	Function
1	--	--	Not Used
2	0.35 PK	1020	Ignition Voltage
3	0.35 GY	1884	Cruise Control Switch Signal
4	0.35 WH	530	Ignition Voltage
5	0.35 L-GN	1715	Windshield Wiper Switch High Signal
6	0.35 L-GN	6818	Steering Wheel Control Signal
7	--	--	Not Used
8	0.35 TN/BK	6009	Low Reference
9	0.35 L-BU	1714	Windshield Wiper Switch Low Signal

10-13	--	--	Not Used
14	0.35 PK	3	Ignition Voltage
15	0.35 D-GN	663	Hazard Switch Left Turn Signal
16	0.35 TN	664	Hazard Switch Turn Right Signal
17	0.35 PK	1444	12-Volt Reference
18	0.35 YE	525	Headlamp Dimmer Switch Low Beam Signal
19	0.35 WH	111	Theft Deterrent Alarm Enable Signal
20	--	--	Not Used
21	0.35 BN	4	Ignition Voltage
22	--	--	Not Used
23	0.35 L-BU	1788	Tow/Haul Switch Signal
24	0.35 PK	94	Windshield Washer Switch Signal
25	0.35 YE	307	Headlamp Switch Flash to Pass Signal
26	0.5 TN/WH	816	A/T Shift Lock Solenoid Control
27	--	--	Not Used

## Body Control Module (BCM) X2



### Connector Part Information

- | OEM: 15482790
- | Service: 88988839
- | Description: 25-Way F HIT Series (NA)

### Terminal Part Information

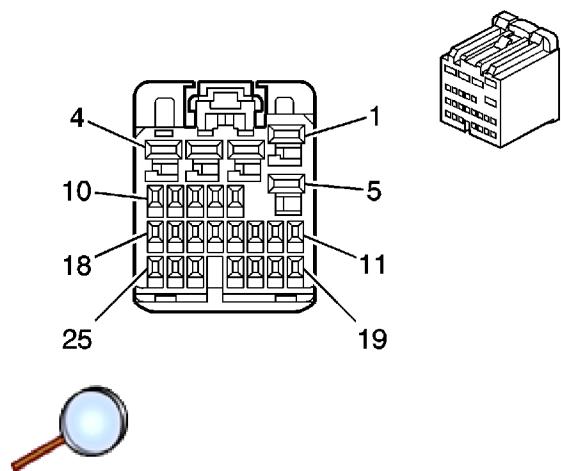
- | Pins: 1, 2, 3, 5
- | Terminal/Tray: SNAC-A061T-M2.8/20
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)
  
- | Pins: 8, 11, 12, 17, 18, 21, 22, 25

- | Terminal/Tray: SNAC3-A021T-M0.64/20
- | Core/Insulation Crimp: J/J
- | Release Tool/Test Probe: 15315247/J-35616-64B (L-BU)

## **Body Control Module (BCM) X2**

Pin	Wire	Circuit	Function
1	0.8 OG	1732	Courtesy Lamp Control
2	0.5 RD/WH	2540	Battery Positive Voltage
3	0.5 BN/WH	230	Instrument Panel Lamps Dimming Control
4	--	--	Not Used
5	0.5 GY/BK	690	Courtesy Lamp Control (YF7)
	0.8 D-BU/WH	149	Courtesy Lamp Control (without YF7)
6-7	--	--	Not Used
8	0.35 L-BU	13	Headlamp Switch Park Lamps Signal
9-10	--	--	Not Used
11	0.35 WH	278	Ambient Light Sensor Signal
12	0.35 WH	103	Headlamp Switch Headlamps On Signal
13-16	--	--	Not Used
17	0.35 D-GN	306	Headlamp Switch Headlamps Off Signal
18	0.35 D-BU/WH	149	Courtesy Lamp Control
19-20	--	--	Not Used
21	0.5 D-BU	6727	Traction Control Preference Switch Signal (JL4)
22	0.35 D-BU	38	Backup Lamp Relay Control
23-24	--	--	Not Used
25	0.35 PU	328	Interior Lamp Defeat Switch Signal

## **Body Control Module (BCM) X3**



## **Connector Part Information**

- | OEM: 15482791
- | Service: 88988840
- | Description: 25-Way F HIT Series (L-BU)

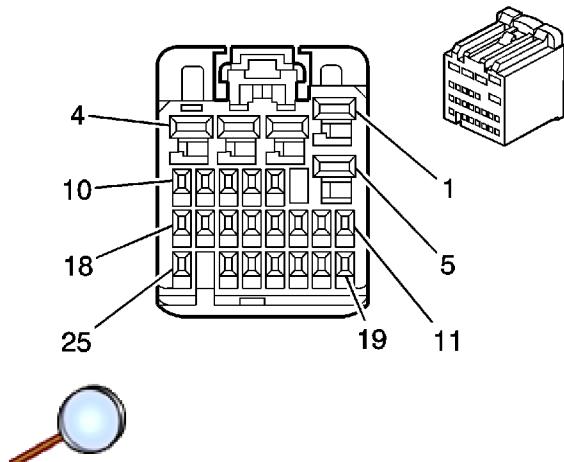
## Terminal Part Information

- | Pins: 1-3, 5
- | Terminal/Tray: SNAC-A061T-M2.8/20
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)
  
- | Pins: 8-13, 16-19, 22
- | Terminal/Tray: SNAC3-A021T-M0.64/20
- | Core/Insulation Crimp: J/J
- | Release Tool/Test Probe: 15315247/J-35616-64B (L-BU)

## Body Control Module (BCM) X3

Pin	Wire	Circuit	Function
1	0.8 BK/WH	351	Ground
2	0.8 RD/WH	2140	Battery Positive Voltage
3	0.5 RD/WH	3840	Battery Positive Voltage
4	--	--	Not Used
5	0.8 BK/WH	351	Ground
6-7	--	--	Not Used
8	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
9	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
10	0.35 D-GN	5060	Low Speed GMLAN Serial Data
11	0.35 D-GN	44	Instrument Panel Lamps Dimmer Switch Signal
12	0.35 OG/WH	812	IP Dimming Voltage Reference
13	0.35 PU	7062	Brake Switch Signal
14-15	--	--	Not Used
16	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
17	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
18	0.35 YE	6817	LED Backlight Dimming Control
19	0.5 L-BU	5986	Serial Data Communication Enable
20-21	--	--	Not Used
22	0.35 D-GN/WH	7158	Cruise Control Indicator Dimming Signal
23-25	--	--	Not Used

## Body Control Module (BCM) X4



## Connector Part Information

- | OEM: 15482792
- | Service: 88988841
- | Description: 25-Way F HIT Series (BK)

## Terminal Part Information

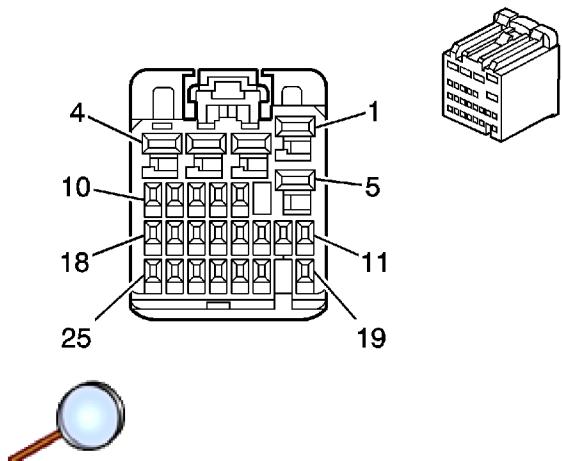
- | Pins: 6, 7, 11-13, 15-17, 19-21, 23, 24
- | Terminal/Tray: SNAC3-A021T-M0.64/20
- | Core/Insulation Crimp: J/J
- | Release Tool/Test Probe: 15315247/J-35616-64B (L-BU)
  
- | Pins: 1-5
- | Terminal/Tray: SNAC-A061T-M2.8/20
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## Body Control Module (BCM) X4

Pin	Wire	Circuit	Function
1	0.8 RD/WH	2740	Battery Positive Voltage
2	0.8 RD/WH	3040	Battery Positive Voltage
3	0.8 RD/WH	2940	Battery Positive Voltage
4	0.8 RD/WH	2240	Battery Positive Voltage
5	0.8 D-BU/WH	1315	Right Front Turn Signal Lamp Control
6	0.35 D-GN	6134	Local Interconnect Network 3
7	0.35 YE	196	Windshield Wiper Motor Park Switch Signal
8	--	--	Not Used
9	0.5 BK/WH	451	Ground (4.3L/5.3L)
10	0.5 RD/WH	2840	Battery Positive Voltage (4.3L/5.3L)
11	0.5 L-GN	1391	Ignition Voltage (PRP)
12	0.35 YE	5187	Right Trailer Turn Signal Lamp (UY7)
13	0.35 OG	5186	Left Trailer Turn Signal Lamp (UY7)
14	--	--	Not Used

15	0.35 OG	2268	Windshield Washer Relay Control
16	0.35 TN/WH	1969	Headlamp High Beam Relay Control
17-18	--	--	Not Used
19	0.5 D-BU	5985	Accessory Wakeup Serial Data
20	0.5 L-BU	1344	Trunk Release Control (PRP)
21	0.35 YE	5199	Run/Crank Relay Coil Control
22	--	--	Not Used
23	0.35 PU	544	Headlamp Low Beam Control
24	0.5 L-BU	244	Front Passenger Door Lock Switch Lock Control (PRP)
25	--	--	Not Used

## Body Control Module (BCM) X5



### Connector Part Information

- | OEM: 15480179
- | Service: 88988837
- | Description: 25-Way F HIT Series (BN)

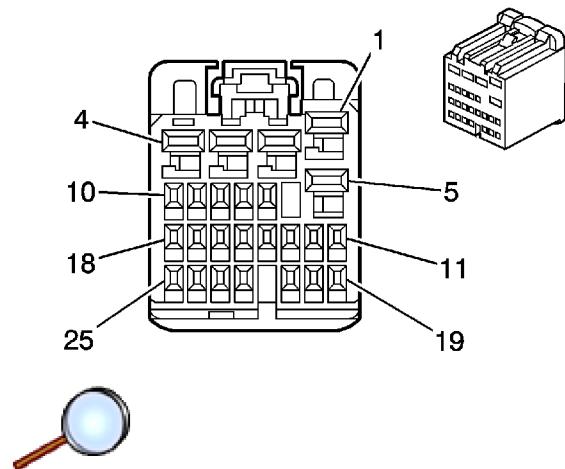
### Terminal Part Information

- | Pins: 6, 11, 13, 15, 16, 18-21, 23, 24
- | Terminal/Tray: SNAC3-A021T-M0.64/20
- | Core/Insulation Crimp: J/J
- | Release Tool/Test Probe: 15315247/J-35616-64B (L-BU)
  
- | Pins: 1, 2, 4, 5
- | Terminal/Tray: SNAC-A061T-M2.8/20
- | Core/Insulation Crimp: Pins 1, 2 - C/A
- | Core/Insulation Crimp: Pins 4, 5 - E/A
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## Body Control Module (BCM) X5

Pin	Wire	Circuit	Function
1	1 YE	618	Left Rear Turn Signal Lamp Control
2	1 D-GN	619	Right Rear Turn Signal Lamp Control
3	--	--	Not Used
4	0.8 L-BU/WH	1314	Left Front Turn Signal Lamp Control
5	0.5 WH	5065	Stop Lamps Control
6	0.35 L-BU/WH	6311	Torque Converter Clutch (TCC) Brake Signal
7	--	--	Not Used
8	0.5 PK	5076	5-Volt Reference (4.3L/5.3L)
9	0.5 WH	5075	Current Sensor Signal (4.3L/5.3L)
10	0.5 BN	5077	Low Reference (4.3L/5.3L)
11	0.35 YE	43	Ignition Voltage
12	--	--	Not Used
13	0.35 OG	300	Ignition Voltage
14-15	--	--	Not Used
16	0.35 L-BU	1134	Park Brake Switch Signal
17	--	--	Not Used
18	0.35 TN	28	Horn Relay Control
19	--	--	Not Used
20	0.35 GY	91	Windshield Wiper Switch Signal 2
21	0.35 TN	860	Front Windshield Wiper Switch High Signal
22	--	--	Not Used
23	0.35 PK/WH	1970	Headlamp Low Beam Relay Control
24	0.35 D-BU	45	Park Lamp Control
25	--	--	Not Used

## Body Control Module (BCM) X6



### Connector Part Information

- | OEM: 15482793
- | Service: 88988842
- | Description: 25-Way F HIT Series (PK)

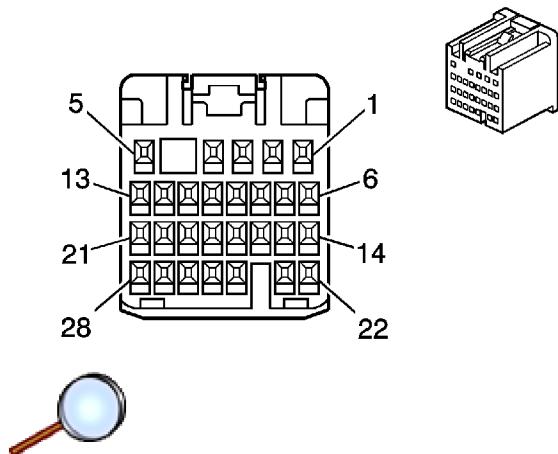
## Terminal Part Information

- | Pins: 2
- | Terminal/Tray: SNAC-A061T-M2.8/20
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)
  
- | Pins: 8-10, 12, 14-16, 18, 22
- | Terminal/Tray: SNAC3-A021T-M0.64/20
- | Core/Insulation Crimp: J/J
- | Release Tool/Test Probe: 15315247/J-35616-64B (L-BU)

## Body Control Module (BCM) X6

Pin	Wire	Circuit	Function
1	--	--	Not Used
2	0.8 L-BU	1320	CHMSL Control (Passenger/Cargo)
3-7	--	--	Not Used
8	0.35 TN/WH	746	Right Front Door Ajar Switch Signal
9	0.35 D-BU	245	Passenger Door Lock Switch Unlock Control (AU3)
10	0.35 GY/BK	745	Left Front Door Ajar Switch Signal
11	--	--	Not Used
12	0.35 PK/BK	1303	Liftgate Ajar Switch Signal (Passenger/Cargo)
13	--	--	Not Used
14	0.35 YE/BK	1181	Right Rear Door Open Switch Signal (Passenger/Cargo)
15	0.35 D-BU/WH	1179	Left Rear Door Open Switch Signal (E26)
16	0.35 L-GN	1177	Right Front Door Open Switch Signal
17	--	--	Not Used
18	0.35 L-BU	244	Passenger Door Lock Switch Lock Control (AU3)
19-21	--	--	Not Used
22	0.35 L-GN	5926	Rear Access Open Switch Signal (Passenger/Cargo)
23-25	--	--	Not Used

## Body Control Module (BCM) X7



## Connector Part Information

- | OEM: 15466053
- | Service: 88988806
- | Description: 28-Way F HIT Series (GY)

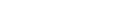
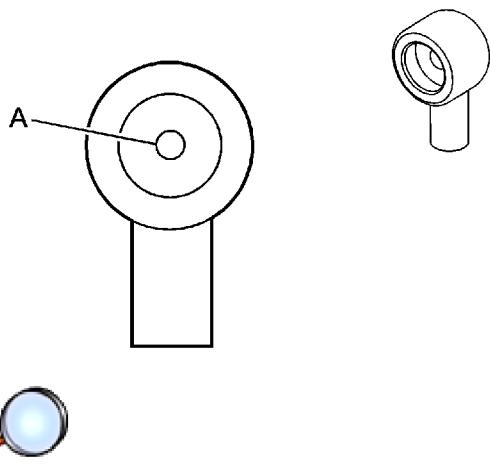
## Terminal Part Information

- | Pins: 2, 6, 7, 9, 11, 12, 23, 24
- | Terminal/Tray: SNAC3-A021T-M0.64/20
- | Core/Insulation Crimp: J/J
- | Release Tool/Test Probe: 15315247/J-35616-64B (L-BU)

## Body Control Module (BCM) X7

Pin	Wire	Circuit	Function
1	--	--	Not Used
2	0.5 YE	356	Driver Door Lock Relay Unlock Control (Passenger/Cargo with AU3)
3-5	--	--	Not Used
6	0.5 YE	356	Driver Door Lock Relay Unlock Control (AU3)
7	0.5 L-BU	244	Passenger Door Lock Switch Lock Control (AU3)
8	--	--	Not Used
9	0.5 L-BU	244	Passenger Door Lock Switch Lock Control (AU3 without PRP)
10	--	--	Not Used
11	0.5 OG/BK	781	Driver Door Lock Switch Unlock Signal (AU3)
12	0.5 PK/BK	780	Driver Door Lock Switch Lock Signal (AU3)
13-22	--	--	Not Used
23	0.5 TN	126	Left Front Door Open Switch Signal
24	0.5 L-GN	66	A/C Request Signal (C60)
25-28	--	--	Not Used

## Brake Booster Fluid Flow Alarm Switch X1 (UJ1)



### Connector Part Information

- | OEM: 6288440
- | Service: See Catalog
- | Description: 1-Way F Grip Series Sealed (BK)

### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Brake Booster Fluid Flow Alarm Switch X1 (UJ1)

Pin	Wire	Circuit	Function
A	0.5 L-BU/BK	1928	Brake Booster Fluid Flow Switch Signal

## Brake Booster Fluid Flow Alarm Switch X2 (UJ1)

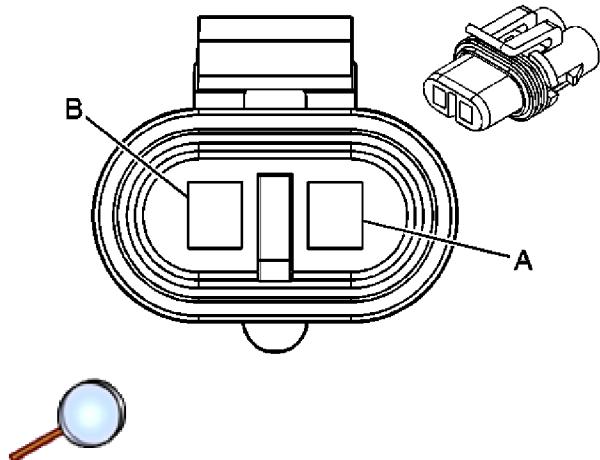
### Terminal Part Information

- | Terminal: 12103516
- | Core/Insulation Crimp: N/A
- | Description: Ring Terminal

## Brake Booster Fluid Flow Alarm Switch X2 (UJ1)

Pin	Wire	Circuit	Function
A	0.5 BK/WH	350	Ground

## Brake Booster Fluid Pressure Alarm Switch (UJ1)



### Connector Part Information

- | OEM: 12020599
- | Service: 12102664
- | Description: 2-Way F Metri-Pack 280 Series Sealed (BK)

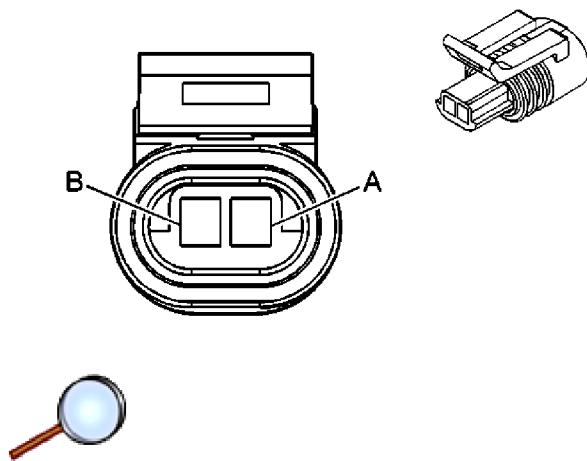
### Terminal Part Information

- | Terminal/Tray: 12077411/2
- | Core/Insulation Crimp: 2/5
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)

## **Brake Booster Fluid Pressure Alarm Switch (UJ1)**

Pin	Wire	Circuit	Function
A	0.5 TN/WH	33	Brake Warning Indicator Control
B	0.5 L-BU/BK	1928	Brake Booster Fluid Flow Switch Signal

## **Brake Fluid Level Switch (Heavy Duty)**



### Connector Part Information

- | OEM: 12162193
- | Service: 12162193
- | Description: 2-Way F Metri-Pack 150.2 Series Sealed (BK)

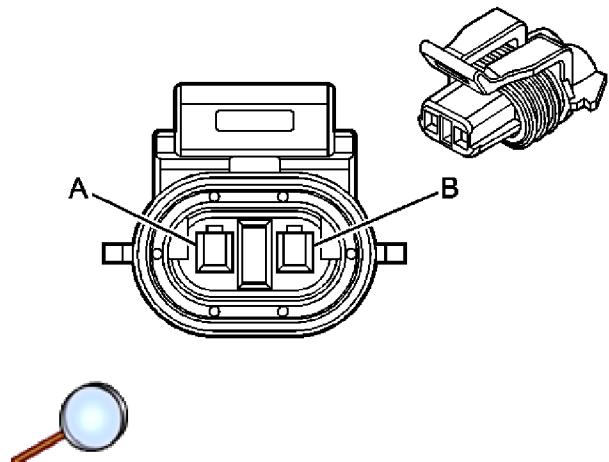
## Terminal Part Information

- | Terminal/Tray: 12124075/5
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 12180559-1/J-35616-14 (GN)

## Brake Fluid Level Switch (Heavy Duty)

Pin	Wire	Circuit	Function
A	0.8 BK/WH	1551	Ground
B	0.5 PU	333	Brake Fluid Level Sensor Signal

## Brake Pressure Differential Switch (Light Duty)



## Connector Part Information

- | OEM: 12052646
- | Service: 12101857
- | Description: 2-Way F Metri-Pack 150 Sealed (WH)

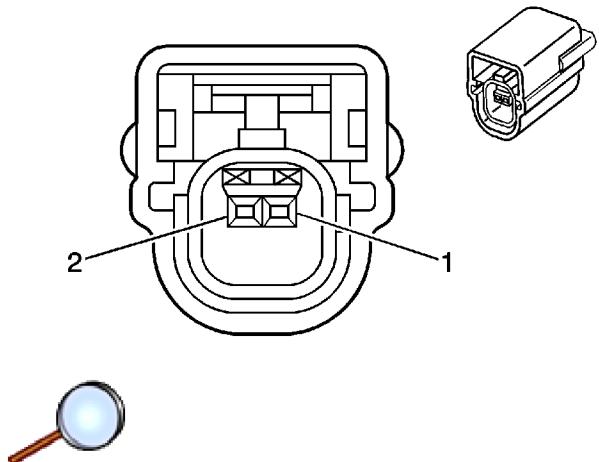
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit
  
- | Pins: A, B
- | Terminal/Tray: 12048074/2
- | Core/Insulation Crimp: Pins A, B - E/1
- | Core/Insulation Crimp: Pins A - 2/1
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Brake Pressure Differential Switch (Light Duty)

Pin	Wire	Circuit	Function
A	1 BK	2150	Ground
B	0.5 PU	333	Brake Fluid Level Sensor Signal

## Camshaft Position (CMP) Actuator Solenoid Valve (6.0L)



### Connector Part Information

- | OEM: 15472554
- | Service: 88988610
- | Description: 2-Way F 0.64 Series Sealed (BK)

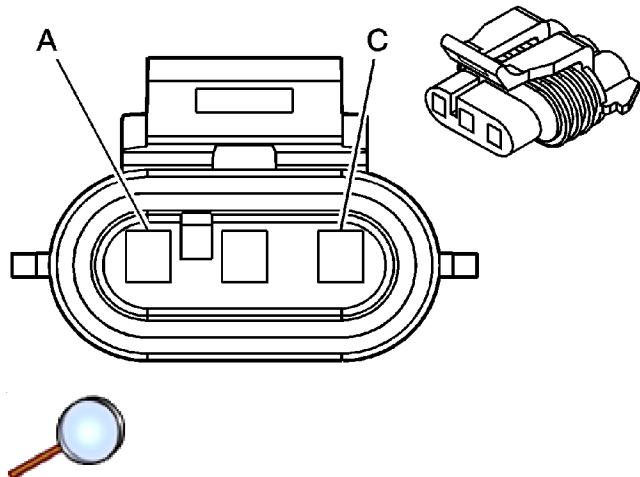
### Terminal Part Information

- | Terminal/Tray: 1393364-2/7
- | Core/Insulation Crimp: K/K
- | Release Tool/Test Probe: 15315247/J-35616-64B (L-BU)

## Camshaft Position (CMP) Actuator Solenoid Valve (6.0L)

Pin	Wire	Circuit	Function
1	0.35 TN	2199	Low Reference
2	0.35 PU	5284	Camshaft Actuator Solenoid Control

## Camshaft Position (CMP) Sensor (4.3L)



## Connector Part Information

- | OEM: 12059595
- | Service: 88986451
- | Description: 3-Way F Metri-Pack 150 Series Sealed (BK)

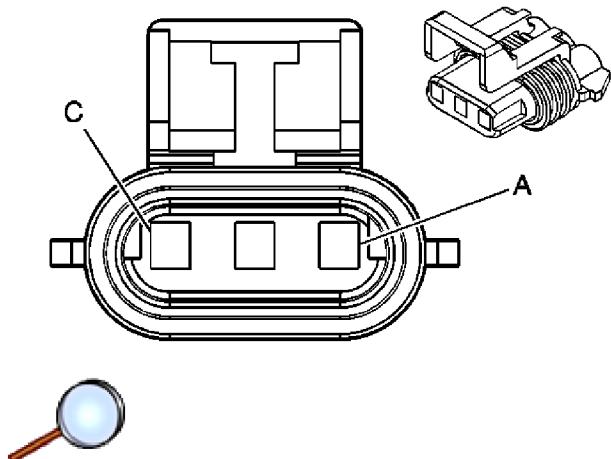
## Terminal Part Information

- | Terminal/Tray: 12048074/2
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Camshaft Position (CMP) Sensor (4.3L)

Pin	Wire	Circuit	Function
A	0.35 RD	631	12-Volt Reference
B	0.35 PK/BK	632	Low Reference
C	0.35 BN/WH	633	Camshaft Position (CMP) Sensor Signal

## Camshaft Position (CMP) Sensor (4.8L/5.3L/6.0L)



## Connector Part Information

- | OEM: 12110293
- | Service: 12117025
- | Description: 3-Way F Metri-Pack 150 Series Sealed (BK)

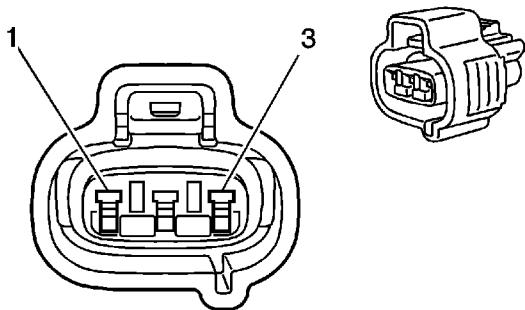
## Terminal Part Information

- | Terminal/Tray: 12048074/2
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 12094429/J-35616-2A (GY)

## Camshaft Position (CMP) Sensor (4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
A	0.35 D-BU	6259	5-Volt Reference
B	0.35 BN	6266	Low Reference
C	0.35 D-BU/WH	6265	Camshaft Position (CMP) Sensor Signal

## Camshaft Position (CMP) Sensor (6.6L)



## Connector Part Information

- | OEM: 6248-5317
- | Service: 19169256
- | Description: 3-Way F (GY)

## Terminal Part Information

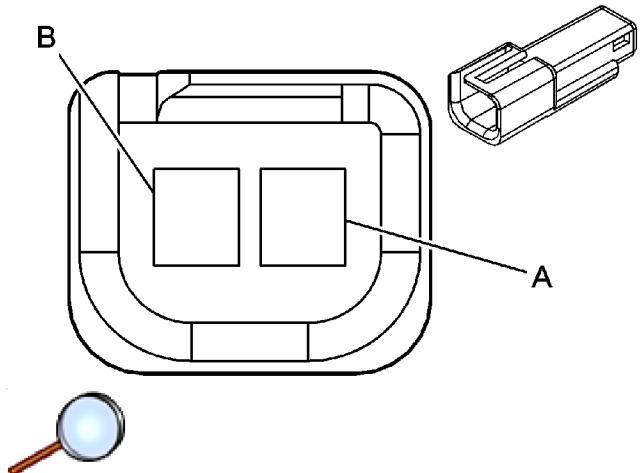
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Camshaft Position (CMP) Sensor (6.6L)

Pin	Wire	Circuit	Function

1	0.5 D-BU/WH	IC27	Camshaft Position (CMP) Sensor Signal
2	0.5 BN	IC28	Low Reference
3	0.5 D-BU	IC26	5-Volt Reference

## Center High Mounted Stop Lamp (CHMSL) (Passenger/Cargo)



### **Connector Part Information**

- | OEM: 12047663
- | Service: 12047663
- | Description: 2-Way M Metri-Pack 150 Series (BK)

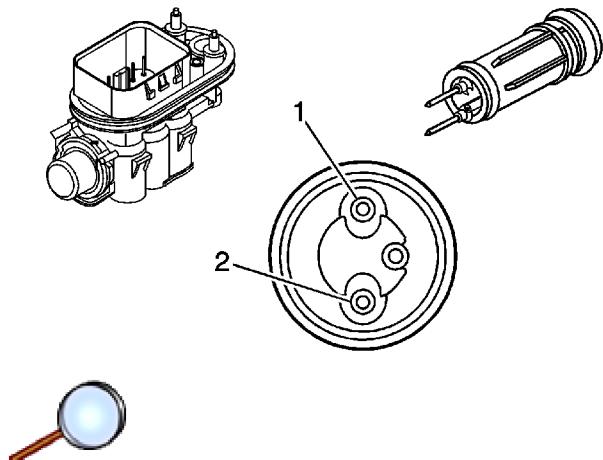
### **Terminal Part Information**

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Center High Mounted Stop Lamp (CHMSL) (Passenger/Cargo)

Pin	Wire	Circuit	Function
A	0.8 L-BU	1320	CHMSL Supply Voltage
B	0.8 BK	850	Ground

## Central Sequential Fuel Injection (Central SFI) X1-X6 (4.3L)



## Connector Part Information

- | OEM: 12597538 Part 2
- | Service: See Catalog
- | Description: 2-Way F Sealed (BK)

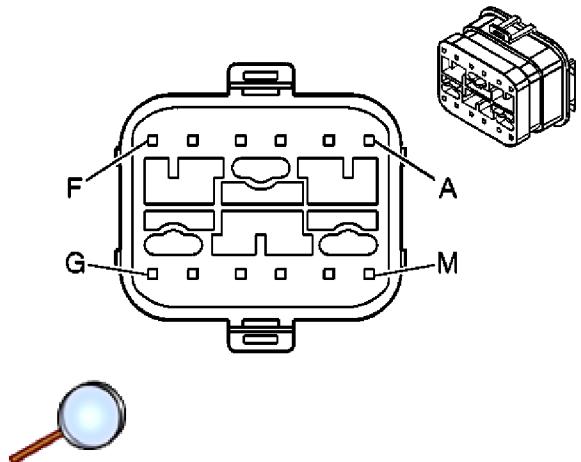
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Central Sequential Fuel Injection (Central SFI) X1-X6 (4.3L)

Pin	Wire	Circuit	Function
X1-1	0.5 BK	1744	Fuel Injector 1 Control
X1-2	0.5 BK	1839	Ignition 1 Voltage
X2-1	0.5 BK	1745	Fuel Injector 2 Control
X2-2	0.5 BK	1839	Ignition 1 Voltage
X3-1	0.5 BK	1746	Fuel Injector 3 Control
X3-2	0.5 BK	1839	Ignition 1 Voltage
X4-1	0.5 BK	844	Fuel Injector 4 Control
X4-2	0.5 BK	1839	Ignition 1 Voltage
X5-1	0.5 BK	845	Fuel Injector 5 Control
X5-2	0.5 BK	1839	Ignition 1 Voltage
X6-1	0.5 BK	846	Fuel Injector 6 Control
X6-2	0.5 BK	1839	Ignition 1 Voltage

## Central Sequential Fuel Injection (Central SFI) X7 (4.3L)



## Connector Part Information

- | OEM: 12177083
- | Service: 12177083
- | Description: 12-Way F Micro-Pack 100 Series (BK)

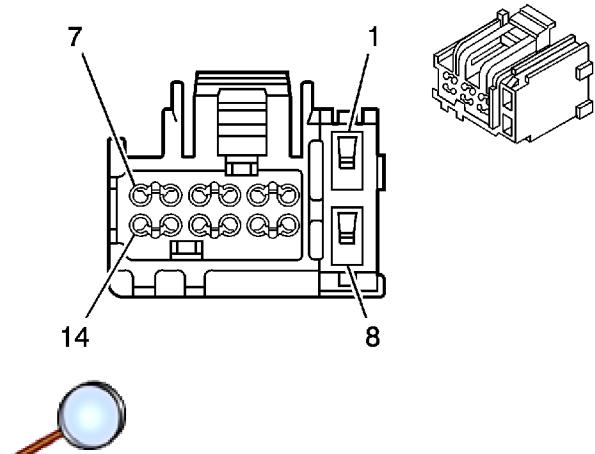
## Terminal Part Information

- | Terminal/Tray: 12066132/2
- | Core/Insulation Crimp: E/E
- | Release Tool/Test Probe: 12031876-1/J-35616-6 (BN)

## Central Sequential Fuel Injection (Central SFI) X7 (4.3L)

Pin	Wire	Circuit	Function
A	0.5 TN/WH	845	Fuel Injector 5 Control
B	0.5 PK	1839	Ignition Voltage
C	0.5 PK/BK	1746	Fuel Injector 3 Control
D	0.5 PK	1839	Ignition Voltage
E	0.5 PK	1839	Ignition Voltage
F	0.5 TN	1744	Fuel Injector 1 Control
G	0.5 L-GN/BK	1745	Fuel Injector 2 Control
H	0.5 PK	1839	Ignition Voltage
J	0.5 PK	1839	Ignition Voltage
K	0.5 L-BU/BK	844	Fuel Injector 4 Control
L	0.5 PK	1839	Ignition Voltage
M	0.5 YE/BK	846	Fuel Injector 6 Control

## Chime Module (UL5)



## Connector Part Information

- | OEM: 15488568
- | Service: 88988743
- | Description: 14-Way F GT 150 Micro 64 Series (BK)

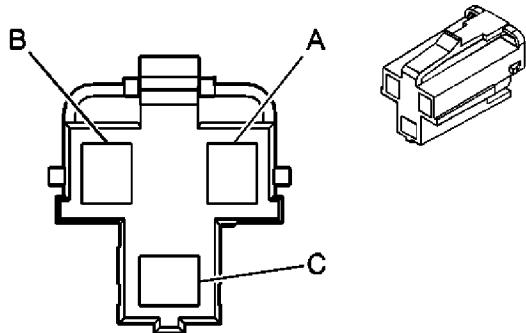
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Chime Module (UL5)

Pin	Wire	Circuit	Function
1	1 RD/WH	340	Battery Positive Voltage
2-7	--	--	Not Used
8	1 BK/WH	351	Ground
9-12	--	--	Not Used
13	0.35 D-GN	5060	Low Speed GMLAN Serial Data
14	--	--	Not Used

## Cigar Lighter (DT4) / Accessory Power Outlet - Center Console 1 (without DT4)



## Connector Part Information

- | OEM: 12176836
- | Service: 12176836
- | Description: 3-Way F Metri-Pack 280 Series (GY)

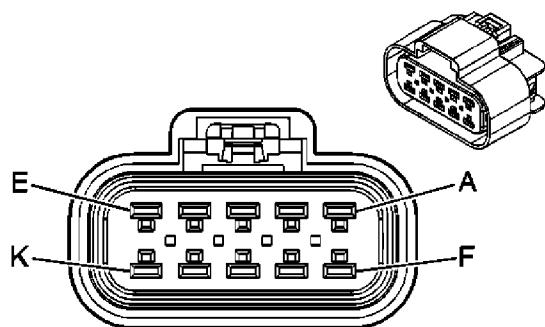
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Cigar Lighter (DT4) / Accessory Power Outlet - Center Console 1 (without DT4)

Pin	Wire	Circuit	Function
A	0.8 RD/WH	640	Battery Positive Voltage
B	--	--	Not Used
C	0.8 BK	550	Ground

## Coolant Heater (K08)



## Connector Part Information

- | OEM: 15326660
- | Service: 15326660
- | Description: 10-Way F GT 280 5.8 Series Sealed (BK)

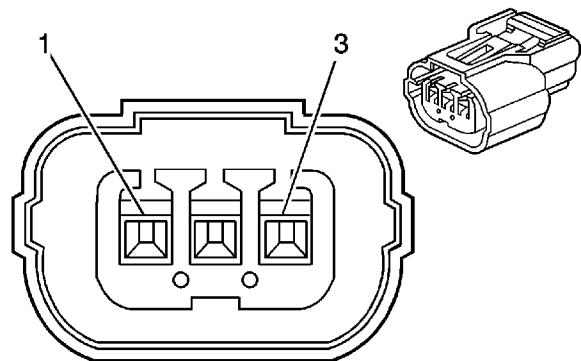
## Terminal Part Information

- | Pins: A, H
- | Terminal/Tray: 15304720/19
- | Core/Insulation Crimp: 4/5
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)
  
- | Pins: B-F, J
- | Terminal/Tray: 15304719/19
- | Core/Insulation Crimp: Pins B-E, J - E/5
- | Core/Insulation Crimp: Pins F - 2/5
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## Coolant Heater (K08)

Pin	Wire	Circuit	Function
A	2 RD/WH	1740	Battery Positive Voltage
B	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
C	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
D	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
E	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
F	0.8 D-BU/L-GN	7077	Coolant Heater - Fuel Pump Control
G	--	--	Not Used
H	2 BK	150	Ground
J	0.5 L-BU	5986	Serial Data Communication Enable
K	--	--	Not Used

## Crankshaft Position (CKP) Sensor (4.3L)





## Connector Part Information

- | OEM: 13544000
- | Service: See Catalog
- | Description: 3-Way F HX 040 Series Sealed (BK)

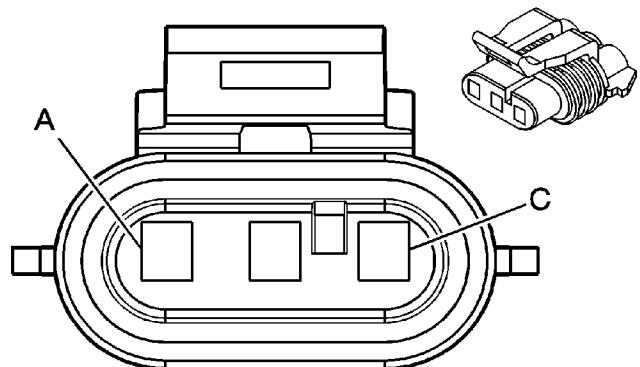
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Crankshaft Position (CKP) Sensor (4.3L)

Pin	Wire	Circuit	Function
A	0.35 PU/WH	6270	5-Volt Reference
B	0.35 GY/BK	6272	Low Reference
C	0.35 WH/BK	6271	Crankshaft Position (CKP) Sensor Signal

## Crankshaft Position (CKP) Sensor (4.8L/5.3L/6.0L)



## Connector Part Information

- | OEM: 12129946
- | Service: 12129946
- | Description: 3-Way F Metri-Pack 150 Series Sealed (GY)

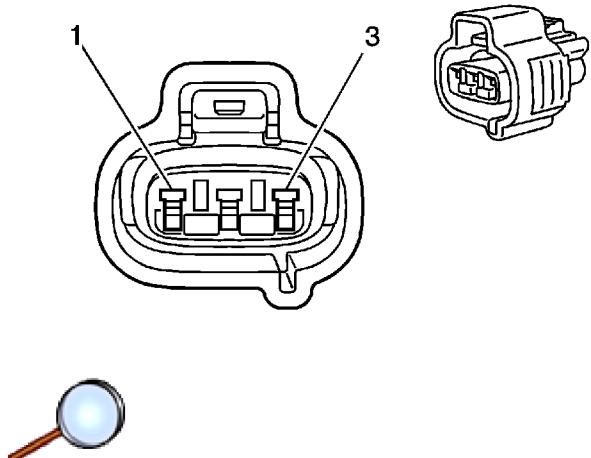
## Terminal Part Information

- | Terminal/Tray: 12048074/2
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Crankshaft Position (CKP) Sensor (4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
A	0.35 WH/BK	6271	Crankshaft Position (CKP) Sensor Signal
B	0.35 GY/BK	6272	Low Reference
C	0.35 PU/WH	6270	5-Volt Reference

## Crankshaft Position (CKP) Sensor (6.6L)



### Connector Part Information

- | OEM: 6248-5317
- | Service: See Catalog
- | Description: 3-Way F Sealed (GY)

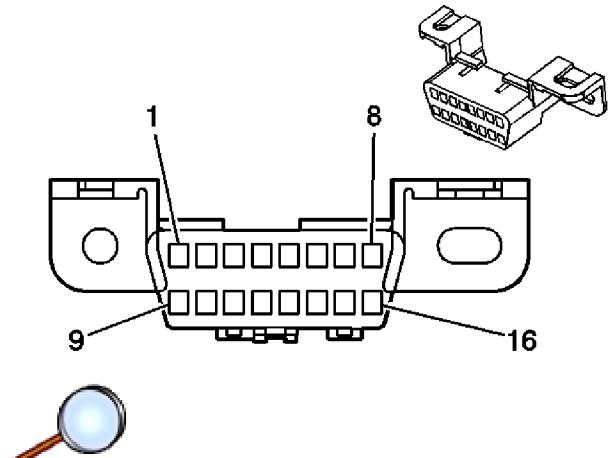
### Terminal Part Information

- | Terminal/Tray: 8100-0460/6
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 15315247/J-35616-2A

## Crankshaft Position (CKP) Sensor (6.6L)

Pin	Wire	Circuit	Function
1	0.5 WH/BK	IC24	Crankshaft Position (CKP) Sensor Signal
2	0.5 GY/BK	IC25	Low Reference
3	0.5 PU/WH	IC23	5-Volt Reference

## Data Link Connector (DLC)



## Connector Part Information

- | OEM: 12110250
- | Service: 12110250
- | Description: 16-Way F Metri-Pack 150 Series (BK)

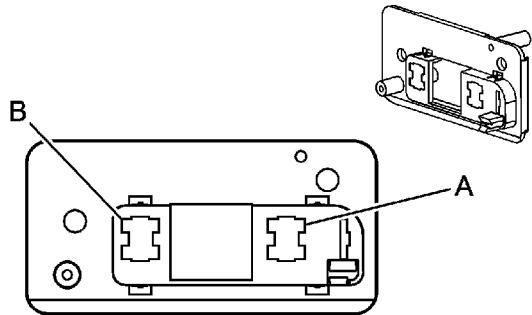
## Terminal Part Information

- | Pins: 1, 4-6, 14, 16
- | Terminal/Tray: 12129484/19
- | Core/Insulation Crimp: Pins 1, 4-6, 14 - E/C
- | Core/Insulation Crimp: Pins 16 - E/A
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Data Link Connector (DLC)

Pin	Wire	Circuit	Function
1	0.35 D-GN	5060	Low Speed GMLAN Serial Data
2-3	--	--	Not Used
4	0.5 BK/WH	351	Ground
5	0.5 BK/WH	351	Ground
6	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
7-13	--	--	Not Used
14	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
15	--	--	Not Used
16	0.8 RD/WH	640	Battery Positive Voltage

## Dome Lamp (Cargo)



### Connector Part Information

- | OEM: 15528758
- | Service: See Catalog
- | Description: 2-Way F (NA)

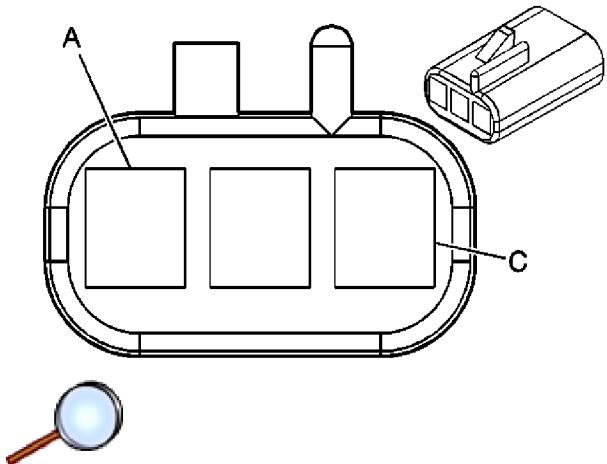
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

### Dome Lamp (Cargo)

Pin	Wire	Circuit	Function
A	0.8 D-BU/WH	149	Courtesy Lamp Control
B	0.5 BK	850	Ground

### Dome/Reading Lamp - Front



### Connector Part Information

- | OEM: 12047781
- | Service: 12101864
- | Description: 3-Way F Metri-Pack 150 Series (BK)

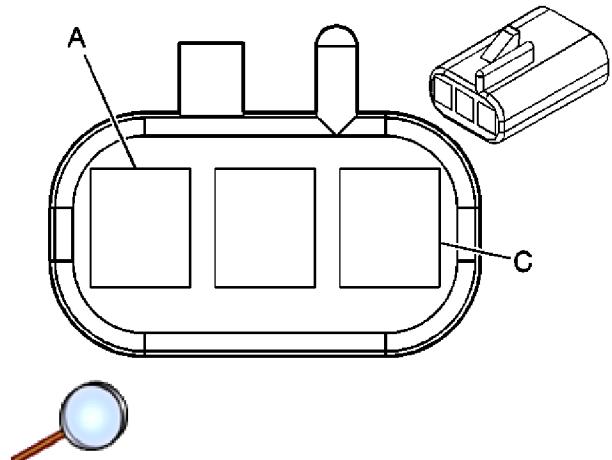
## Terminal Part Information

- | Pins: A
- | Terminal/Tray: 12064971/5
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)
  
- | Pins: B, C
- | Terminal/Tray: 12047767/2
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Dome/Reading Lamp - Front

Pin	Wire	Circuit	Function
A	0.5 D-BU/WH	149	Courtesy Lamp Control
B	1 BK	1850	Ground
C	0.8 OG	1732	Courtesy Lamp Control

## Dome/Reading Lamp - Middle (Passenger)



## Connector Part Information

- | OEM: 12047781
- | Service: 12101864
- | Description: 3-Way F Metri-Pack 150 Series (BK)

## Terminal Part Information

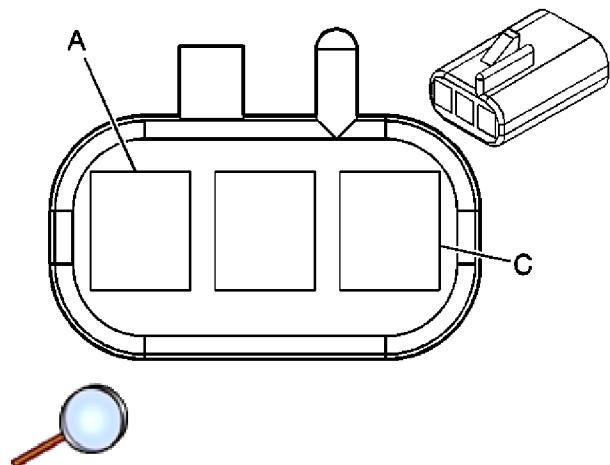
- | Pins: A
- | Terminal/Tray: 12064971/5
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

- | Pins: B, C
- | Terminal/Tray: 12047767/2
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Dome/Reading Lamp - Middle (Passenger)

Pin	Wire	Circuit	Function
A	0.8 D-BU/WH	149	Courtesy Lamp Control
B	0.5 BK	1050	Ground
C	0.8 OG	1732	Courtesy Lamp Control

## Dome/Reading Lamp - Rear (Passenger)



### Connector Part Information

- | OEM: 12047781
- | Service: 12101864
- | Description: 3-Way F Metri-Pack 150 Series (BK)

### Terminal Part Information

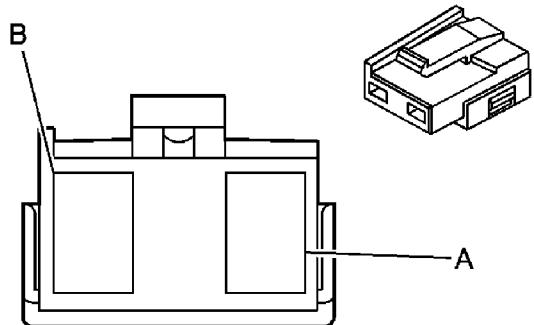
- | Pins: A
- | Terminal/Tray: 12064971/5
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)
  
- | Pins: B, C
- | Terminal/Tray: 12047767/2
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Dome/Reading Lamp - Rear (Passenger)

Pin	Wire	Circuit	Function

A	0.8 D-BU/WH	149	Courtesy Lamp Control
B	0.5 BK	1050	Ground
C	0.8 OG	1732	Courtesy Lamp Control

## Door Contact Plate - Left (E26 with AU3)



### Connector Part Information

- | OEM: 12034343
- | Service: 12101821
- | Description: 2-Way F Metri-Pack 280 Series (BK)

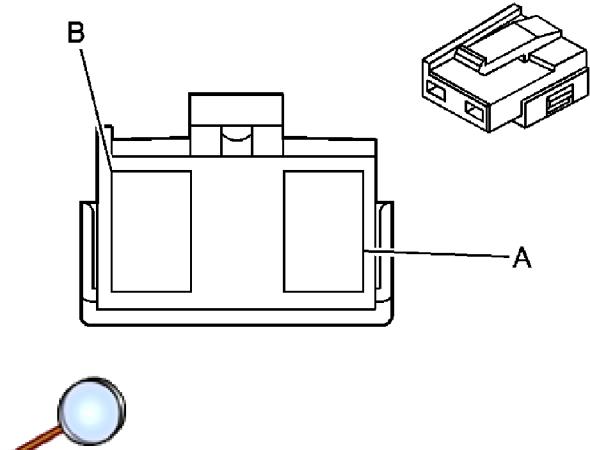
### Terminal Part Information

- | Pins: A, B
- | Terminal/Tray: 12066214/2
- | Core/Insulation Crimp: Pins A - See Terminal Repair Kit
- | Core/Insulation Crimp: Pins B - F/D
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)

## Door Contact Plate - Left (E26 with AU3)

Pin	Wire	Circuit	Function
A	0.8 TN	294	Door Lock Actuator Unlock Control
B	1 GY	295	Door Lock Actuator Lock Control

## Door Contact Plate - Right (Passenger/Cargo with AU3)



## Connector Part Information

- | OEM: 12034343
- | Service: 12101821
- | Description: 2-Way F Metri-Pack 280 Series (BK)

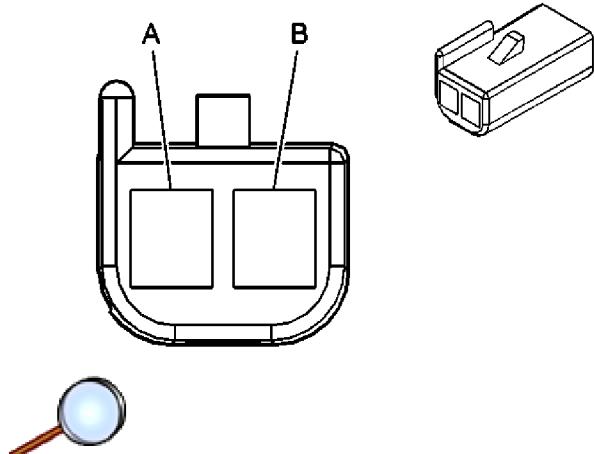
## Terminal Part Information

- | Pins: A, B
- | Terminal/Tray: 12066214/2
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)
  
- | Pins: B
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: F/D
- | Release Tool/Test Probe: See Terminal Repair Kit

## Door Contact Plate - Right (Passenger/Cargo with AU3)

Pin	Wire	Circuit	Function
A	0.8 TN	294	Door Lock Actuator Unlock Control
B	0.8 GY	295	Door Lock Actuator Lock Control

## Door Jamb Switch - Left Rear (E26)



## Connector Part Information

- | OEM: 12059251
- | Service: 12101848
- | Description: 2-Way F Metri-Pack 150 Series (RD)

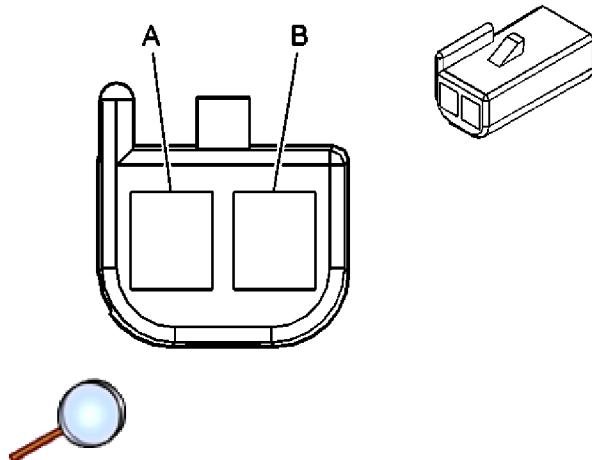
## Terminal Part Information

- | Pins: A, B
- | Terminal/Tray: 12064971/5
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)
  
- | Pins: A, B
- | Terminal/Tray: Not Serviced in Kit/N/A
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: N/A/N/A

## Door Jamb Switch - Left Rear (E26)

Pin	Wire	Circuit	Function
A	0.35 BK	450	Ground
B	0.35 D-BU/WH	1179	Left Rear Door Open Switch Signal

## Door Jamb Switch - Right Rear (Passenger/Cargo)



### Connector Part Information

- | OEM: 12059251
- | Service: 12101848
- | Description: 2-Way F Metri-Pack 150 Series (RD)

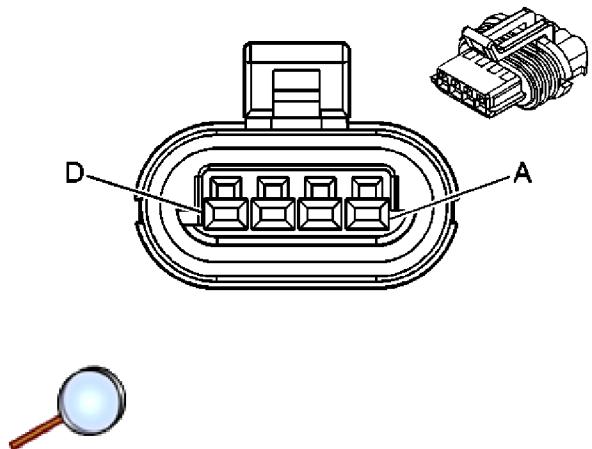
### Terminal Part Information

- | Terminal/Tray: 12064971/5
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Door Jamb Switch - Right Rear (Passenger/Cargo)

Pin	Wire	Circuit	Function
A	0.35 BK	1850	Ground
B	0.35 YE/BK	1181	Right Rear Door Open Switch Signal

## Door Latch - Cargo X1 (Passenger/Cargo)



### Connector Part Information

- | OEM: 15336846
- | Service: 15336846
- | Description: 4-Way F GT 150 Series Sealed (BU)

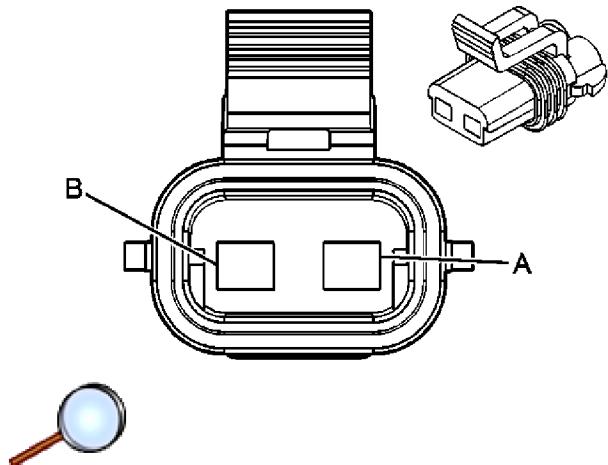
## Terminal Part Information

- | Pins: A, C, D
- | Terminal/Tray: 15326267/19
- | Core/Insulation Crimp: E/4
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Door Latch - Cargo X1 (Passenger/Cargo)

Pin	Wire	Circuit	Function
A	0.35 BK/WH	1051	Ground
B	--	--	Not Used
C	0.35 PK/BK	1303	Liftgate Ajar Switch Signal
D	0.35 L-GN	5926	Rear Access Open Switch Signal

## Door Latch - Cargo X2 (Passenger/Cargo)



## Connector Part Information

- | OEM: 15300027
- | Service: 15300027
- | Description: 2-Way F Metri-Pack 280 Series Sealed (BK)

## Terminal Part Information

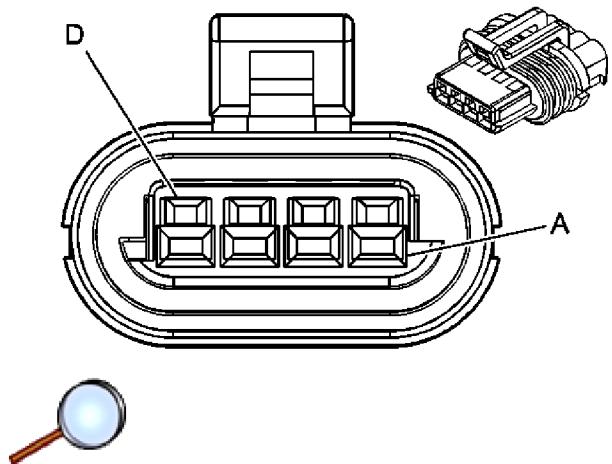
- | Terminal/Tray: 12176387/3
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)

## Door Latch - Cargo X2 (Passenger/Cargo)

Pin	Wire	Circuit	Function

A	1 TN/BK	1095	Right Rear Door Lock Actuator Unlock Control
B	1 GY	295	Door Lock Actuator Lock Control

## Door Latch - Driver X1



### Connector Part Information

- | OEM: 15354716
- | Service: 15354716
- | Description: 4-Way F GT 150 Series Sealed (BK)

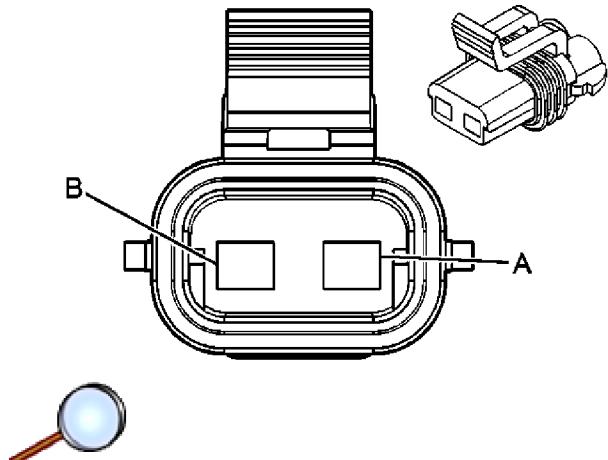
### Terminal Part Information

- | Pins: A, B, D
- | Terminal/Tray: 15326267/19
- | Core/Insulation Crimp: E/4
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Door Latch - Driver X1

Pin	Wire	Circuit	Function
A	0.35 TN	126	Left Front Door Open Switch Signal
B	0.35 GY/BK	745	Left Front Door Ajar Switch Signal
C	--	--	Not Used
D	0.35 BK	450	Ground

## Door Latch - Driver X2



### Connector Part Information

- | OEM: 15300027
- | Service: 15300027
- | Description: 2-Way F Metri-Pack 280 Series Sealed (BK)

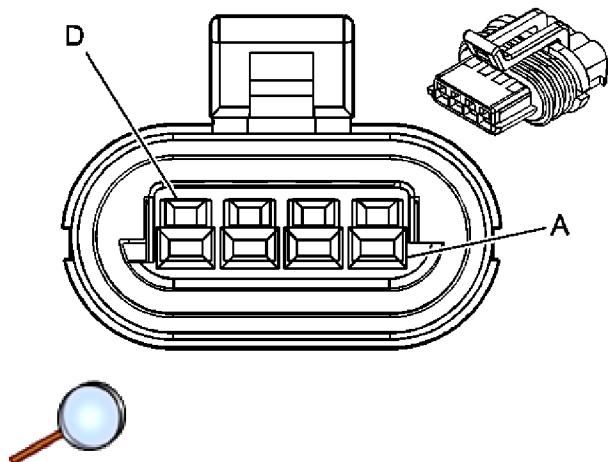
### Terminal Part Information

- | Terminal/Tray: 12077411/2
- | Core/Insulation Crimp: 2/5
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)

### Door Latch - Driver X2

Pin	Wire	Circuit	Function
A	0.8 TN	694	Driver Door Lock Actuator Unlock Control
B	0.8 GY	295	Door Lock Actuator Lock Control

### Door Latch - Passenger X1



### Connector Part Information

- | OEM: 15354716
- | Service: 15354716
- | Description: 4-Way F GT 150 Series Sealed (BK)

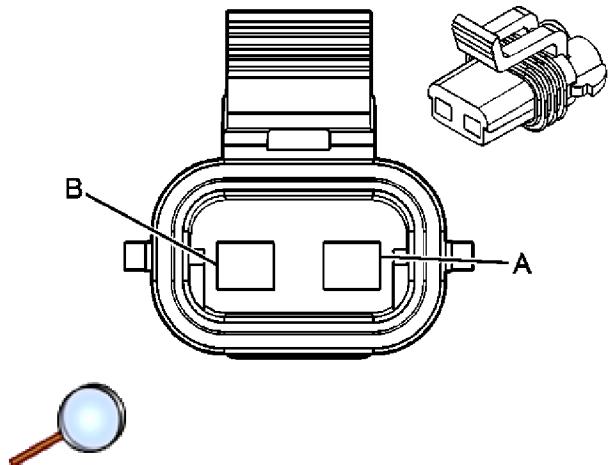
## Terminal Part Information

- | Pins: A, C, D
- | Terminal/Tray: 15326267/19
- | Core/Insulation Crimp: E/4
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Door Latch - Passenger X1

Pin	Wire	Circuit	Function
A	0.35 BK	1850	Ground
B	--	--	Not Used
C	0.35 TN/WH	746	Right Front Door Ajar Switch Signal
D	0.35 L-GN	1177	Right Front Door Open Switch Signal

## Door Latch - Passenger X2



## Connector Part Information

- | OEM: 15300027
- | Service: 15300027
- | Description: 2-Way F Metri-Pack 280 Series Sealed (BK)

## Terminal Part Information

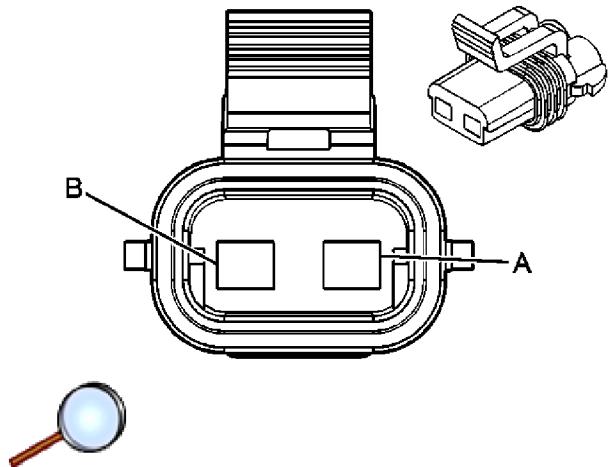
- | Terminal/Tray: 12077411/2
- | Core/Insulation Crimp: 2/5
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)

## Door Latch - Passenger X2

Pin	Wire	Circuit	Function

A	0.8 TN	294	Door Lock Actuator Unlock Control
B	0.8 GY	295	Door Lock Actuator Lock Control

## Door Lock Actuator - Left Rear (E26 with AU3)



### Connector Part Information

- | OEM: 15300027
- | Service: 15300027
- | Description: 2-Way F Metri-Pack 280 Series Sealed (BK)

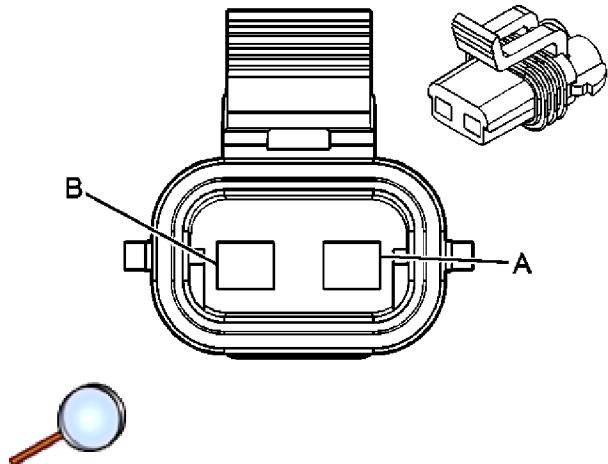
### Terminal Part Information

- | Terminal/Tray: 12077411/2
- | Core/Insulation Crimp: 2/5
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)

## Door Lock Actuator - Left Rear (E26 with AU3)

Pin	Wire	Circuit	Function
A	0.8 TN	294	Door Lock Actuator Unlock Control
B	0.8 GY	295	Door Lock Actuator Lock Control

## Door Lock Actuator - Right Rear (E24 with AU3)



### Connector Part Information

- | OEM: 15300027
- | Service: 15300027
- | Description: 2-Way F Metri-Pack 280 Series Sealed (BK)

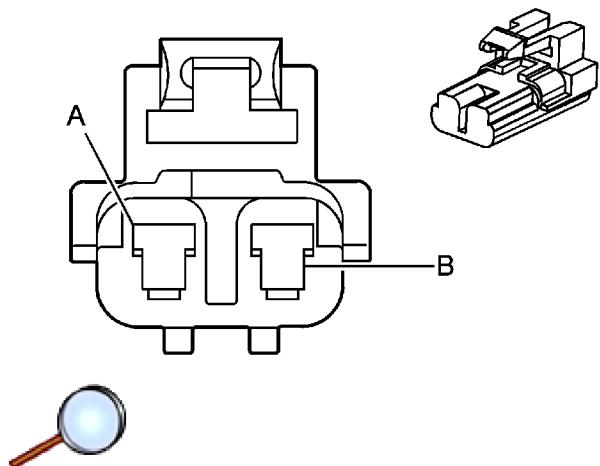
### Terminal Part Information

- | Terminal/Tray: 12077411/2
- | Core/Insulation Crimp: 2/5
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)

### Door Lock Actuator - Right Rear (E24 with AU3)

Pin	Wire	Circuit	Function
A	0.8 TN	294	Door Lock Actuator Unlock Control
B	0.8 GY	295	Door Lock Actuator Lock Control

### Door Lock Actuator - Right Rear (YA2 with AU3)



### Connector Part Information

- | OEM: 12084957
- | Service: See Catalog
- | Description: 2-Way F Metri-Pack 280 Series Sealed (BK)

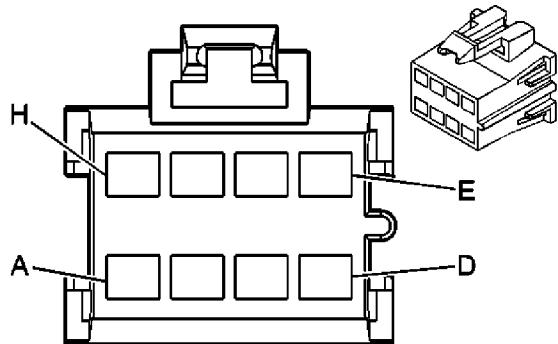
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Door Lock Actuator - Right Rear (YA2 with AU3)

Pin	Wire	Circuit	Function
A	0.8 GY	295	Door Lock Actuator Lock Control
B	0.8 TN	294	Door Lock Actuator Unlock Control

## Door Lock Switch - Cargo (Passenger/Cargo with AU3)



## Connector Part Information

- | OEM: 12064998
- | Service: 15306189
- | Description: 8-Way F Metri-Pack 280 Series (BK)

## Terminal Part Information

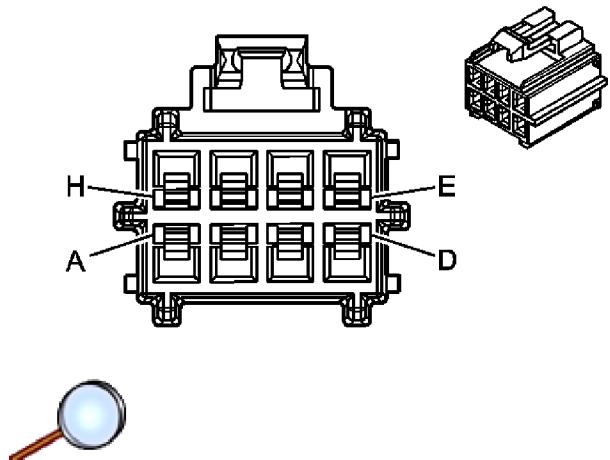
- | Pins: A, D, E
- | Terminal/Tray: 12034046/2
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)

## Door Lock Switch - Cargo (Passenger/Cargo with AU3)

Pin	Wire	Circuit	Function
A	0.35 L-BU	244	Passenger Door Lock Switch Lock Control
B-C	--	--	Not Used

D	0.35 D-BU	245	Passenger Door Lock Switch Unlock Control
E	0.35 BK/WH	1051	Ground
F-H	--	--	Not Used

## Door Lock Switch - Driver (AU3)



### Connector Part Information

- | OEM: 15418533
- | Service: 15306048
- | Description: 8-Way F GT 280 (L-GN)

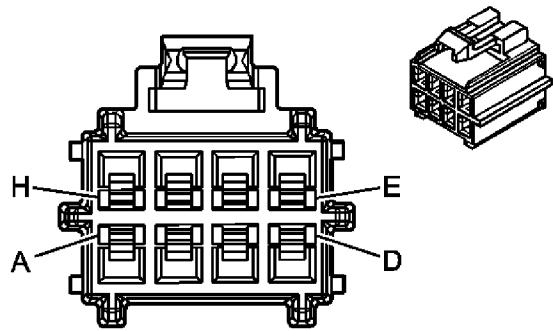
### Terminal Part Information

- | Pins: A-C, F, G
- | Terminal/Tray: 15304711/8
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## Door Lock Switch - Driver (AU3)

Pin	Wire	Circuit	Function
A	0.35 BK	450	Ground
B	0.35 BK	450	Ground
C	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control
D-E	--	--	Not Used
F	0.35 OG/BK	781	Driver Door Lock Switch Unlock Signal
G	0.35 PK/BK	780	Driver Door Lock Switch Lock Signal
H	--	--	Not Used

## Door Lock Switch - Passenger (AU3)



## Connector Part Information

- | OEM: 15418533
- | Service: 15306048
- | Description: 8-Way F GT 280 (L-GN)

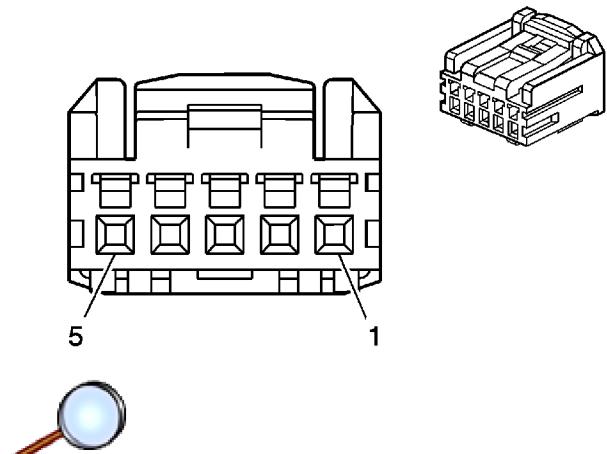
## Terminal Part Information

- | Pins: A-C, F, G
- | Terminal/Tray: 15304711/8
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## Door Lock Switch - Passenger (AU3)

Pin	Wire	Circuit	Function
A	0.35 BK	1850	Ground
B	0.35 BK	1850	Ground
C	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control
D-E	--	--	Not Used
F	0.35 D-BU	245	Passenger Door Lock Switch Unlock Control
G	0.35 L-BU	244	Passenger Door Lock Switch Lock Control
H	--	--	Not Used

## Driver Information Center (DIC) Switch



## Connector Part Information

- | OEM: 15491277
- | Service: 88988747
- | Description: 5-Way F HCM Series (BK)

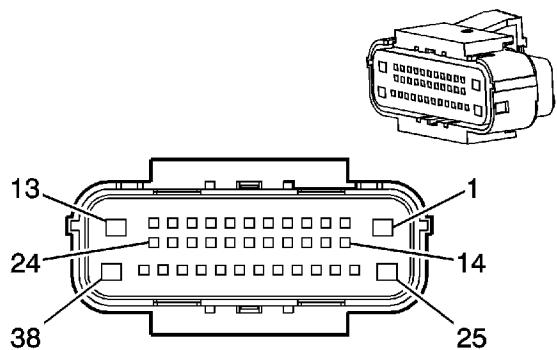
## Terminal Part Information

- | Terminal/Tray: SHCM-A03T-P025/20
- | Core/Insulation Crimp: J/J
- | Release Tool/Test Probe: 12094429/J-35616-64B (L-BU)

## Driver Information Center (DIC) Switch

Pin	Wire	Circuit	Function
1	0.35 D-GN/WH	1358	Driver Information Center (DIC) Switch Signal
2	0.35 BN	897	Low Reference
3	0.35 PK	893	Driver Information Center (DIC) Select Menu Switch Signal
4	0.35 YE	6817	LED Backlight Dimming Control
5	0.5 BK/WH	351	Ground

## Electronic Brake Control Module (EBCM) (JL4)





## Connector Part Information

- | OEM: 13528146
- | Service: See Catalog
- | Description: 38-Way F 2.8 Series Sealed (BK)

## Terminal Part Information

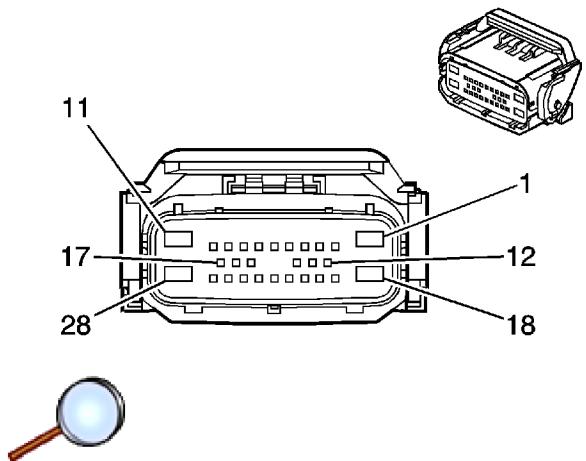
- | Pins: 1, 13
- | Terminal/Tray: 7116-4142-02/10
- | Core/Insulation Crimp: D/3
- | Release Tool/Test Probe: 12094430/J-35616-42 (RD)
  
- | Pins: 2-9, 12, 16, 17, 19, 20-24, 28-33, 36, 37
- | Terminal/Tray: 7116-3703-02
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit
  
- | Pins: 25, 38
- | Terminal/Tray: 15304720/19
- | Core/Insulation Crimp: 4/5
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## Electronic Brake Control Module (EBCM) (JL4)

Pin	Wire	Circuit	Function
1	5 BK	2150	Ground
2	0.5 WH	883	Low Reference
3	0.5 BN	882	Right Rear Wheel Speed Sensor Signal
4	0.5 TN	884	Left Rear Wheel Speed Sensor Signal
5	0.5 OG	885	Low Reference
6	0.5 TN	833	Low Reference
7	0.5 YE	6046	Steering Angle Sensor Phase A
8	0.5 TN	6048	Steering Angle Sensor Phase C
9	0.5 L-GN	6043	Steering Angle Sensor Signal
10-11	--	--	Not Used
12	0.5 L-BU	5986	Serial Data Communication Enable
13	5 RD/BK	442	Battery Positive Voltage
14-15	--	--	Not Used
16	0.5 OG/BK	6045	Low Reference
17	0.5 D-GN	872	Right Front Wheel Speed Sensor Signal
18	--	--	Not Used
19	0.5 GY/BK	1337	12-Volt Reference
20	0.5 D-BU	6047	Steering Angle Sensor Phase B
21	0.5 WH/BK	6436	CAN Bus Low Terminated Serial Data

22	--	--	Not Used
23	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
24	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
25	3 BK	2150	Ground
26-27	--	--	Not Used
28	0.5 L-BU	830	Left Front Wheel Speed Sensor Signal
29	0.5 YE	873	Low Reference
30	0.5 BK/PU	7499	Low Reference
31	0.5 GY	6044	5-Volt Reference
32	0.5 YE/BK	1827	Vehicle Speed Signal
33	0.5 BN/WH	6437	CAN Bus High Terminated Serial Data
34-35	--	--	Not Used
36	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
37	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
38	3 RD/WH	1640	Battery Positive Voltage

## Electronic Brake Control Module (EBCM) (without JL4)



### Connector Part Information

- | OEM: 13628862
- | Service: See Catalog
- | Description: 28-Way F 0.64/6.3 Series Sealed (BK)

### Terminal Part Information

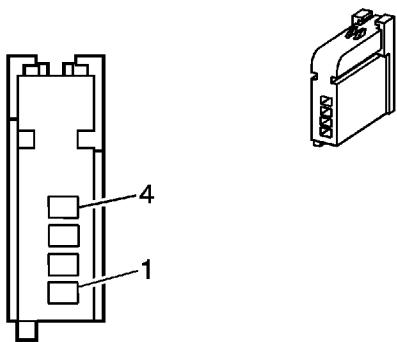
- | Pins: 2, 3, 12, 13, 15, 16, 19, 20, 26, 27
- | Terminal/Tray: SAITS-A03T-M064/ YAZAKI 14
- | Core/Insulation Crimp: 9/9
- | Release Tool/Test Probe: J-38125-215A/J-35616-64B (L-BU)
  
- | Pins: 1, 11, 18, 28

- | Terminal/Tray: 7116-4142-02/10
- | Core/Insulation Crimp: Pins 1, 11 - A/3
- | Core/Insulation Crimp: Pins 18, 28 - D/3
- | Release Tool/Test Probe: 12094430/J-35616-42 (RD)

## **Electronic Brake Control Module (EBCM) (without JL4)**

Pin	Wire	Circuit	Function
1	3 RD/WH	1640	Battery Positive Voltage
2	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
3	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
4-10	--	--	Not Used
11	3 BK	2150	Ground
12	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
13	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
14	--	--	Not Used
15	0.5 L-BU	830	Left Front Wheel Speed Sensor Signal
16	0.5 YE	873	Low Reference
17	--	--	Not Used
18	5 RD/BK	442	Battery Positive Voltage
19	0.5 L-BU	5986	Serial Data Communication Enable
20	0.5 YE/BK	1827	Vehicle Speed Signal
21-25	--	--	Not Used
26	0.5 D-GN	872	Right Front Wheel Speed Sensor Signal
27	0.5 TN	833	Low Reference
28	5 BK	2150	Ground

## **Electronic Compass Module (U80)**



### **Connector Part Information**

- | OEM: 13541539
- | Service: See Catalog
- | Description: 4-Way F AIT II Series (BK)

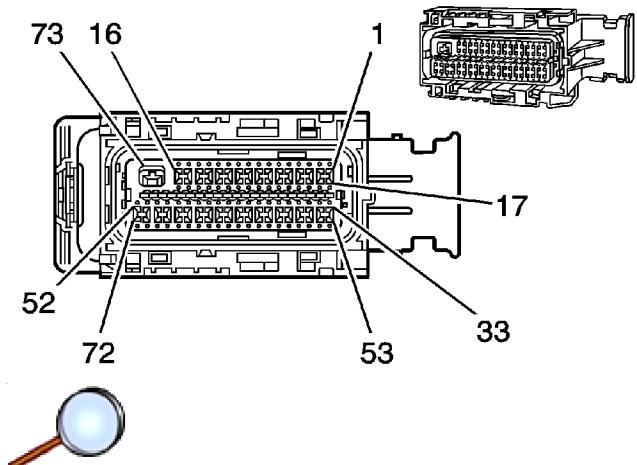
## Terminal Part Information

- | Pins: 1-3
- | Terminal/Tray: 7116-4618-02
- | Core/Insulation Crimp: P/P
- | Release Tool/Test Probe: See Terminal Repair Kit

## Electronic Compass Module (U80)

Pin	Wire	Circuit	Function
1	0.35 BN	441	Ignition Voltage
2	0.35 BK/WH	351	Ground
3	0.35 D-GN	6134	Local Interconnect Network 3
4	--	--	Not Used

## Engine Control Module (ECM) X1 (4.3L)



## Connector Part Information

- | OEM: 13580810
- | Service: See Catalog
- | Description: 73-Way F MX123 34566 Series Sealed (BK)

## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

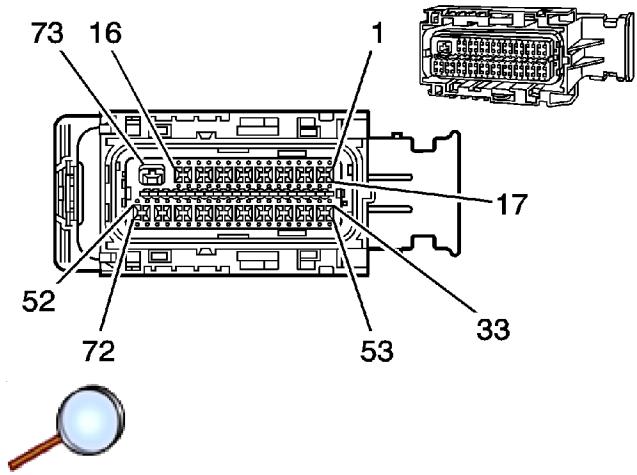
## Engine Control Module (ECM) X1 (4.3L)

Pin	Wire	Circuit	Function

1	0.35 D-BU	1161	Accelerator Pedal Position (APP) Sensor 1 Signal
2	0.8 PU	1670	Heated Oxygen Sensor (HO2S) High Signal - Bank 2 Sensor 2
3	0.5 D-BU	5985	Accessory Wakeup Serial Data
4-5	--	--	Not Used
6	0.35 D-GN/WH	465	Fuel Pump Relay Control - Primary
7	--	--	Not Used
8	0.35 TN	5514	Low Reference (C60)
9	0.8 TN/WH	1669	Heated Oxygen Sensor (HO2S) Low Signal - Bank 1 Sensor 2
10	0.8 TN	1671	Heated Oxygen Sensor (HO2S) Low Signal - Bank 2 Sensor 2
11-12	--	--	Not Used
13	0.5 YE	5991	Powertrain Relay Control
14	--	--	Not Used
15	0.8 GY/WH	3122	Heated Oxygen Sensor (HO2S) Heater Low Control - Bank 1 Sensor 2
16	0.8 OG/WH	3223	Heated Oxygen Sensor (HO2S) Heater Low Control - Bank 2 Sensor 2
17	0.8 PU/WH	1668	Heated Oxygen Sensor (HO2S) High Signal - Bank 1 Sensor 2
18	0.35 L-BU	1162	Accelerator Pedal Position (APP) Sensor 2 Signal
19	0.5 PK	439	Ignition Voltage
20	0.5 RD/WH	440	Battery Positive Voltage
21	0.35 PU	1272	Low Reference
22-23	--	--	Not Used
24	0.5 TN/BK	6049	Low Reference
25	0.35 OG/BK	380	A/C Refrigerant Pressure Sensor Signal (C60)
26	--	--	Not Used
27	0.35 BN/WH	419	MIL Control
28-29	--	--	Not Used
30	0.35 D-GN/WH	459	A/C Compressor Clutch Relay Control (C60)
31	--	--	Not Used
32	0.35 YE/BK	625	Starter Enable Relay Control
33-34	--	--	Not Used
35	0.8 TN	2760	Low Reference
36	--	--	Not Used
37	0.5 YE	492	Mass Air Flow (MAF) Sensor Signal
38	--	--	Not Used
39	0.5 PU	1589	Fuel Level Sensor Signal - Primary
40	--	--	Not Used

41	0.35 BN	1271	Low Reference
42	0.5 D-GN	890	Fuel Tank Pressure Sensor Signal
43	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
44	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
45-46	--	--	Not Used
47	0.35 WH/BK	1164	5-Volt Reference 2
48-49	--	--	Not Used
50	0.35 YE/BK	1827	Vehicle Speed Signal
51-53	--	--	Not Used
54	0.5 OG/BK	6399	Replicated TOS Signal
55	0.5 L-BU/WH	6311	Torque Converter Clutch (TCC) Brake Signal
56	--	--	Not Used
57	0.35 OG/BK	1786	Ignition Lock Cylinder Control Actuator Signal
58	0.5 TN	472	Intake Air Temperature (IAT) Sensor Signal
59-64	--	--	Not Used
65	0.35 GY	2700	5-Volt Reference 1 (C60)
66	0.5 GY	2709	5-Volt Reference 1
67	0.35 TN	1274	5-Volt Reference 1
68-69	--	--	Not Used
70	0.5 WH	1310	Evaporative Emission (EVAP) Canister Vent Solenoid Control
71-72	--	--	Not Used
73	0.5 PK	1339	Ignition Voltage

## Engine Control Module (ECM) X1 (4.8L/5.3L/6.0L)



## Connector Part Information

- | OEM: 13580802
- | Service: See Catalog
- | Description: 73-Way F MX123 34566 Series Sealed (BK)

## Terminal Part Information

- | Pins: 73
- | Terminal/Tray: 7116-4152-02/9
- | Core/Insulation Crimp: A/5
- | Release Tool/Test Probe: 12094430/J-35616-35 (VT)
  
- | Pins: 1, 12, 13, 23, 29, 30, 32, 34, 36, 50, 52, 56, 57, 63, 68
- | Terminal/Tray: 33467-0003/23
- | Core/Insulation Crimp: H/H
- | Release Tool/Test Probe: J-38125-213/J-35616-64B (L-BU)
  
- | Pins: 9, 16, 18-20, 24, 27, 28, 31, 33, 37, 38, 41, 47, 59, 61, 71, 10, 11, 49, 64, 65, 69
- | Terminal/Tray: 33467-0005/23
- | Core/Insulation Crimp: Pins 9, 16, 18-20, 24, 27, 28, 31, 33, 37, 38, 41, 47, 59, 61, 71 - J/J
- | Core/Insulation Crimp: Pins 10, 11, 49, 64, 65, 69 - K/K
- | Release Tool/Test Probe: J-38125-213/J-35616-64B (L-BU)

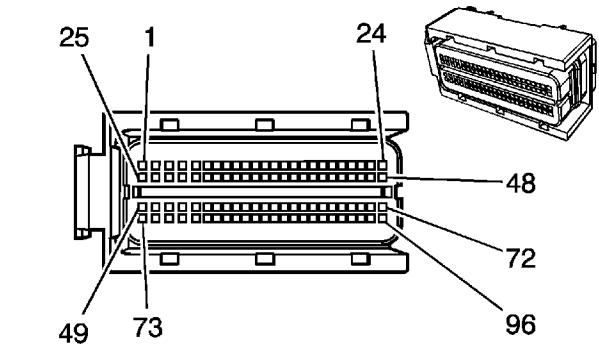
## Engine Control Module (ECM) X1 (4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
1	0.35 OG/BK	1786	Ignition Lock Cylinder Control Actuator Signal
2-8	--	--	Not Used
9	0.5 L-BU/WH	6311	Torque Converter Clutch (TCC) Brake Signal
10	0.8 PU/WH	1668	Heated Oxygen Sensor (HO2S) High Signal - Bank 1 Sensor 2
11	0.8 TN/WH	1669	Heated Oxygen Sensor (HO2S) Low Signal - Bank 1 Sensor 2
12	0.35 OG/BK	380	A/C Refrigerant Pressure Sensor Signal (C60)
13	0.35 TN	5514	Low Reference (C60)
14-15	--	--	Not Used
16	0.5 PU	1589	Fuel Level Sensor Signal - Primary
17	--	--	Not Used
18	0.5 D-BU	5985	Accessory Wakeup Serial Data
19	0.5 PK	439	Ignition Voltage
20	0.5 RD/WH	440	Battery Positive Voltage
21-22	--	--	Not Used
23	0.35 PU	1272	Low Reference
24	0.5 D-GN	890	Fuel Tank Pressure Sensor Signal
25-	--	--	Not Used

26			
27	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
28	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
29	0.35 D-BU	1161	Accelerator Pedal Position (APP) Sensor 1 Signal
30	0.35 BN	1271	Low Reference
31	0.5 TN	2759	Low Reference (4.8L/6.0L)
	0.5 TN/BK	6049	Low Reference (5.3L)
32	0.35 L-BU	1162	Accelerator Pedal Position (APP) Sensor 2 Signal
33	0.5 GY	2709	5-Volt Reference 1
34	0.35 GY	2700	5-Volt Reference 1 (C60)
35	--	--	Not Used
36	0.35 TN	1274	5-Volt Reference 1
37	0.5 TN	472	Intake Air Temperature (IAT) Sensor Signal
38	0.5 TN	2760	Low Reference
39-40	--	--	Not Used
41	0.5 YE	492	Mass Air Flow (MAF) Sensor Signal
42-46	--	--	Not Used
47	0.5 PK	1339	Ignition Voltage
48	--	--	Not Used
49	0.8 TN	1671	Heated Oxygen Sensor (HO2S) Low Signal - Bank 2 Sensor 2
50	0.35 D-GN/WH	465	Fuel Pump Relay Control - Primary
51	--	--	Not Used
52	0.35 YE/BK	625	Starter Enable Relay Control
53-55	--	--	Not Used
56	0.35 WH/BK	1164	5-Volt Reference 2
57	0.35 YE/BK	1827	Vehicle Speed Signal
58	--	--	Not Used
59	0.5 YE	5991	Powertrain Relay Control
60	--	--	Not Used
61	0.5 WH	1310	Evaporative Emission (EVAP) Canister Vent Solenoid Control
62	--	--	Not Used
63	0.35 D-GN/WH	459	A/C Compressor Clutch Relay Control (C60)
64	0.8 OG/WH	3223	Heated Oxygen Sensor (HO2S) Heater Low Control - Bank 2 Sensor 2
65	0.8 GY/WH	3122	Heated Oxygen Sensor (HO2S) Heater Low Control - Bank 1 Sensor 2
66-67	--	--	Not Used

68	0.35 BN/WH	419	MIL Control
69	0.8 PU	1670	Heated Oxygen Sensor (HO2S) High Signal - Bank 2 Sensor 2
70	--	--	Not Used
71	0.5 OG/BK	6399	Replicated TOS Signal
72	--	--	Not Used
73	3 BK/WH	1551	Ground

## Engine Control Module (ECM) X1 (6.6L)



### Connector Part Information

- | OEM: 15438366
- | Service: 19149311
- | Description: 96-Way F Sealed (BK)

### Terminal Part Information

- | Pins: 1-3, 25-27, 49-51, 73-75, 77, 4-6, 9, 11-15, 17, 19-24, 28, 30, 33, 35-45, 47, 48, 53, 56, 62-72, 76, 78, 79, 83, 86, 88, 90-96
- | Terminal/Tray: 1928498135/19
- | Core/Insulation Crimp: Pins 1-3, 25-27, 49, 50, 51, 73-75, 77 - K/K
- | Core/Insulation Crimp: Pins 4-6, 9, 11-15, 17, 19-24, 28, 30, 33, 35-45, 47, 48, 53, 56, 62-72, 76, 78, 79, 83, 86, 88, 90-96 - J/J
- | Release Tool/Test Probe: J-38125-213/J-35616-64B (L-BU)

## Engine Control Module (ECM) X1 (6.6L)

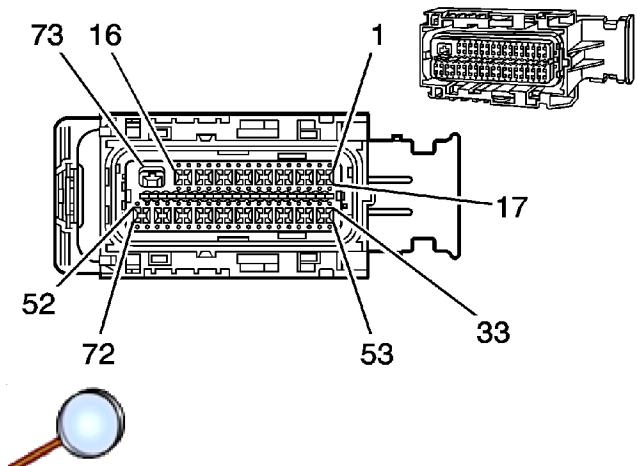
Pin	Wire	Circuit	Function
1	1 OG	5421	Fuel Injector Supply Voltage 1
2	1 D-BU/WH	878	Fuel Injector 8 Control
3	1 OG/BK	877	Fuel Injector 7 Control
4	0.5 D-BU	2364	Cooling Fan Speed Signal
5	0.5 YE	492	Mass Air Flow (MAF) Sensor Signal

6	0.5 OG/BK	469	Low Reference
7-8	--	--	Not Used
9	0.5 BN	1174	Oil Level Switch Signal
10	--	--	Not Used
11	0.5 GY/BK	6272	Low Reference
12	0.5 GY	2704	5-Volt Reference 3
13	0.5 TN	5928	5-Volt Reference 3
14	0.5 GY	6054	5-Volt Reference 2
15	0.5 GY	2705	5-Volt Reference 2
16	--	--	Not Used
17	0.5 GY	2701	5-Volt Reference 1
18	--	--	Not Used
19	0.5 L-GN	432	Manifold Absolute Pressure (MAP) Sensor Signal
20	0.5 YE	5947	Turbocharger Vane Position Sensor Signal
21	0.5 L-BU	1162	Accelerator Pedal Position (APP) Sensor 2 Signal
22	0.5 YE/BK	508	Water In Fuel Indicator Control
23	0.5 BK	2755	Low Reference
24	0.5 PU/WH	2530	Fuel Pressure Regulator Solenoid Control
25	1 PK	5425	Fuel Injector Supply Voltage 4
26	1 YE/BK	846	Fuel Injector 6 Control
27	1 PK/BK	1746	Fuel Injector 3 Control
28	0.5 WH/BK	2366	Cooling Fan Clutch Control
29	--	--	Not Used
30	0.5 OG/BK	2919	Low Reference
31-32	--	--	Not Used
33	0.5 GY/BK	2931	Low Reference
34	--	--	Not Used
35	0.5 YE/BK	6055	Low Reference
36	0.5 TN	2752	Low Reference
37	0.5 GY	2702	5-Volt Reference 3
38	0.5 TN	1274	5-Volt Reference 2
39	0.5 TN	2917	5-Volt Reference 2
40	0.5 PU/WH	6270	5-Volt Reference 1
41	0.5 D-BU	6259	5-Volt Reference 1
42	0.5 TN	472	Intake Air Temperature (IAT) Sensor Signal
43	0.5 D-BU	6053	DPF Sensor Signal
44	0.5 TN/WH	331	Oil Pressure Sensor Signal
45-46	--	--	Not Used
47	0.5 TN	2761	Low Reference

48	0.5 D-BU	5930	Turbocharger Vane Position Control Solenoid Valve Control Circuit
49	1 PU	5423	Fuel Injector Supply Voltage 3
50	1 TN/WH	845	Fuel Injector 5 Control
51	1 L-BU/BK	844	Fuel Injector 4 Control
52	--	--	Not Used
53	0.5 YE/BK	6120	Low Reference
54-55	--	--	Not Used
56	0.5 D-BU/WH	6265	Camshaft Position (CMP) Sensor Signal
57-61	--	--	Not Used
62	0.5 TN	2760	Low Reference
63	0.5 OG/BK	5929	Low Reference
64	--	--	Not Used
65	0.5 L-BU	6118	Air Temperature Sensor Signal
66	0.5 D-BU	5277	Exhaust Gas Recirculation Temperature Sensor 1 Supply Voltage
67	0.5 BN/WH	5763	Exhaust Gas Recirculation (EGR) Valve Sensor Signal
68	0.5 YE	410	Engine Coolant Temperature (ECT) Sensor Signal
69	0.5 D-BU	5277	Exhaust Gas Temperature Sensor Signal
70	0.5 BN	6274	Low Reference
71	0.5 YE/BK	625	Starter Enable Relay Control
72	0.5 YE	2834	Fuel Pressure Regulator Solenoid Control
73	1 YE	5422	Fuel Injector Supply Voltage 2
74	1 TN	1744	Fuel Injector 1 Control
75	1 L-GN/BK	1745	Fuel Injector 2 Control
76	0.5 PK	1339	Ignition Voltage
77	1 RD/WH	440	Battery Positive Voltage
78	0.5 PU	1272	Low Reference
79	0.5 WH/BK	6271	Crankshaft Position (CKP) Sensor Signal
80-82	--	--	Not Used
83	0.5 L-BU/WH	6311	Torque Converter Clutch (TCC) Brake Signal
84-85	--	--	Not Used
86	0.5 TN	2753	Low Reference
87	--	--	Not Used
88	0.5 BN	6266	Low Reference
89	--	--	Not Used
90	0.5 L-BU	5377	Exhaust Gas Recirculation Temperature Sensor 2 Supply Voltage

91	0.5 D-GN	485	Throttle Position (TP) Sensor 1 Signal
92	0.5 YE	2918	Fuel Rail Pressure (FRP) Sensor Signal
93	0.5 L-BU	5377	Exhaust Gas Temperature Sensor Signal
94	0.5 GY/BK	6290	Low Reference
95	0.5 BN	6782	Low Reference
96	0.5 WH	5931	Low Reference

## Engine Control Module (ECM) X2 (4.3L)



### Connector Part Information

- | OEM: 13580811
- | Service: See Catalog
- | Description: 73-Way F MX123 34566 Series Sealed (L-GY)

### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

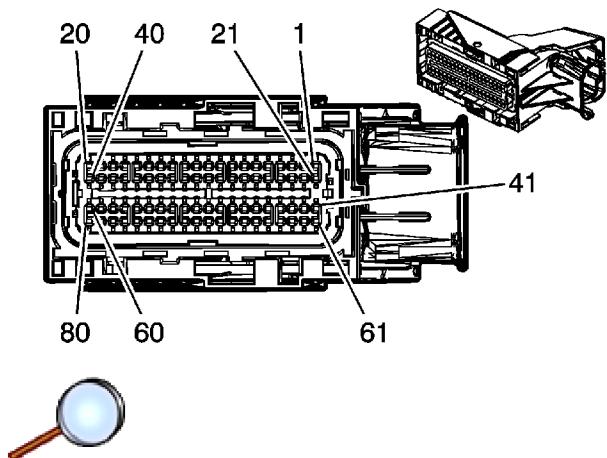
## Engine Control Module (ECM) X2 (4.3L)

Pin	Wire	Circuit	Function
1-3	--	--	Not Used
4	0.5 TN	2761	Low Reference
5	0.35 GY/BK	6272	Low Reference
6	0.5 TN	1744	Fuel Injector 1 Control
7	0.5 YE/BK	846	Fuel Injector 6 Control
8	0.5 TN/WH	845	Fuel Injector 5 Control
9	0.5 BN	2129	Low Reference
10	0.5 L-BU/BK	844	Fuel Injector 4 Control

11	0.5 PK/BK	1746	Fuel Injector 3 Control
12	0.5 L-GN/BK	1745	Fuel Injector 2 Control
13	0.5 GY	2704	5-Volt Reference 1
14-15	--	--	Not Used
16	0.5 YE	581	Throttle Actuator Control Motor Control - 1
17-19	--	--	Not Used
20	0.35 BN	6266	Low Reference
21	--	--	Not Used
22	0.5 PU	2121	Ignition Coil 1 Control
23	0.5 L-BU	2123	Ignition Coil 3 Control
24	0.5 OG/WH	2122	Ignition Coil 2 Control
25-29	--	--	Not Used
30	0.5 D-GN/WH	428	Evaporative Emission (EVAP) Canister Purge Solenoid Control
31	0.5 OG	225	Generator Turn On Signal
32	0.5 BN	582	Throttle Actuator Control Motor Control - 2
33	0.35 D-BU	6259	5-Volt Reference 1
34	--	--	Not Used
35	0.35 GY	2705	5-Volt Reference 1
36	0.35 TN/WH	331	Oil Pressure Sensor Signal
37	0.8 PU/WH	1665	Heated Oxygen Sensor (HO2S) High Signal - Bank 1 Sensor 1
38	0.8 PU	1666	Heated Oxygen Sensor (HO2S) High Signal - Bank 2 Sensor 1
39	0.5 L-GN	432	Manifold Absolute Pressure (MAP) Sensor Signal
40	0.35 TN	2752	Low Reference
41	0.35 BK	2755	Low Reference
42	--	--	Not Used
43	0.5 GY	23	Generator Field Duty Cycle Signal
44	--	--	Not Used
45	0.35 WH/BK	6271	Crankshaft Position (CKP) Sensor Signal
46	0.35 D-BU/WH	6265	Camshaft Position (CMP) Sensor Signal
47	--	--	Not Used
48	0.8 TN	1664	Heated Oxygen Sensor (HO2S) Low Signal - Bank 1 Sensor 1
49	0.5 OG/BK	469	Low Reference
50	0.5 GY	1716	Knock Sensor (KS) 1 Signal
51	0.5 D-BU	496	Knock Sensor (KS) 1 Signal
52	--	--	Not Used
53	0.35 GY	2701	5-Volt Reference 2
54	0.35 PU/WH	6270	5-Volt Reference 2

55-56	--	--	Not Used
57	0.35 D-GN	485	Throttle Position (TP) Sensor 1 Signal
58	0.5 YE	410	Engine Coolant Temperature (ECT) Sensor Signal
59	0.35 PU	486	Throttle Position (TP) Sensor 2 Signal
60-64	--	--	Not Used
65	0.8 GY/WH	3113	Heated Oxygen Sensor (HO2S) Heater Low Control - Bank 1 Sensor 1
66	0.8 L-GN	3212	Heated Oxygen Sensor (HO2S) Heater Low Control - Bank 2 Sensor 1
67	--	--	Not Used
68	0.8 TN	1667	Heated Oxygen Sensor (HO2S) Low Signal - Bank 2 Sensor 1
69	--	--	Not Used
70	0.5 GY	2303	Knock Sensor (KS) 2 Signal
71	0.5 L-BU	1876	Knock Sensor (KS) 2 Signal
72	--	--	Not Used
73	3 BK/WH	1551	Ground

## Engine Control Module (ECM) X2 (4.8L/5.3L/6.0L)



### Connector Part Information

- | OEM: 13511426
- | Service: 19115670
- | Description: 80-Way F MX123 Series Sealed (GY)

### Terminal Part Information

- | Pins: 2, 3, 34, 35, 41, 43, 44, 50, 53, 58, 63-66, 68, 69
- | Terminal/Tray: 33467-0003/23
- | Core/Insulation Crimp: H/H
- | Release Tool/Test Probe: J-38125-213/J-35616-64B (L-BU)

- | Pins: 5, 6, 8, 17-22, 32, 33, 37-40, 61, 12, 13, 16, 26, 27, 29, 30, 52, 56, 57, 59, 60, 70-79
- | Terminal/Tray: 33467-0005/23
- | Core/Insulation Crimp: Pins 5, 6, 8, 17-22, 32, 33, 37-40, 61 - J/J
- | Core/Insulation Crimp: Pins 12, 13, 16, 26, 27, 29, 30, 52, 56, 57, 59, 60, 70-79 - K/K
- | Release Tool/Test Probe: J-38125-213/J-35616-64B (L-BU)

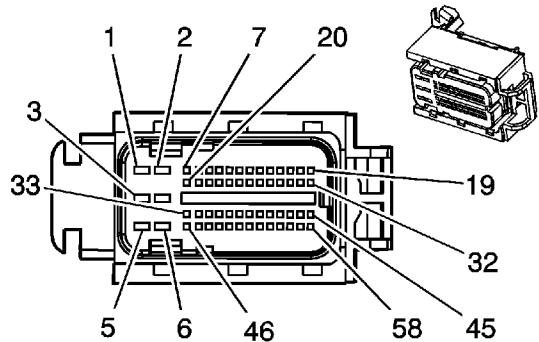
## **Engine Control Module (ECM) X2 (4.8L/5.3L/6.0L)**

Pin	Wire	Circuit	Function
1	--	--	Not Used
2	0.35 PU/WH	6270	5-Volt Reference 2
3	0.35 GY	2701	5-Volt Reference 2
4	--	--	Not Used
5	0.5 BN	582	Throttle Actuator Control Motor Control - 2
6	0.5 YE	581	Throttle Actuator Control Motor Control - 1
7	--	--	Not Used
8	0.5 D-GN/WH	428	Evaporative Emission (EVAP) Canister Purge Solenoid Control
9-11	--	--	Not Used
12	0.8 GY/WH	3113	Heated Oxygen Sensor (HO2S) Heater Low Control - Bank 1 Sensor 1
13	0.8 L-GN	3212	Heated Oxygen Sensor (HO2S) Heater Low Control - Bank 2 Sensor 1
14-15	--	--	Not Used
16	0.8 PU	5284	Camshaft Phaser Intake Solenoid (1) (6.0L)
17	0.5 D-BU/WH	878	Fuel Injector 8 Control
18	0.5 TN/WH	845	Fuel Injector 5 Control
19	0.5 YE/BK	846	Fuel Injector 6 Control
20	0.5 TN	1744	Fuel Injector 1 Control
21	0.5 YE	410	Engine Coolant Temperature (ECT) Sensor Signal
22	0.5 TN	2761	Low Reference
23-25	--	--	Not Used
26	0.8 D-BU	496	Knock Sensor (KS) 1 Signal
27	0.8 GY	1716	Knock Sensor (KS) 1 Signal
28	--	--	Not Used
29	0.8 L-BU	1876	Knock Sensor (KS) 2 Signal
30	0.8 GY	2303	Knock Sensor (KS) 2 Signal
31	--	--	Not Used
32	0.5 GY	23	Generator Field Duty Cycle Signal
33	--	--	Not Used
34	0.35 BK	2755	Low Reference

35	0.35 TN	2752	Low Reference
36	--	--	Not Used
37	0.5 L-GN/BK	1745	Fuel Injector 2 Control
38	0.5 PK/BK	1746	Fuel Injector 3 Control
39	0.5 L-BU/BK	844	Fuel Injector 4 Control
40	0.5 OG/BK	877	Fuel Injector 7 Control
41	0.35 GY	2705	5-Volt Reference 1
42	--	--	Not Used
43	0.35 GY	2704	5-Volt Reference 1
44	0.35 D-BU	6259	5-Volt Reference 1
45-49	--	--	Not Used
50	0.35 TN/WH	331	Oil Pressure Sensor Signal
51	--	--	Not Used
52	0.8 TN	2199	Low Reference (6.0L)
53	0.35 OG/BK	469	Low Reference
54-55	--	--	Not Used
56	0.8 TN	1664	Heated Oxygen Sensor (HO2S) Low Signal - Bank 1 Sensor 1
57	0.8 PU/WH	1665	Heated Oxygen Sensor (HO2S) High Signal - Bank 1 Sensor 1
58	0.35 L-GN	432	Manifold Absolute Pressure (MAP) Sensor Signal
59	0.8 PU	1666	Heated Oxygen Sensor (HO2S) High Signal - Bank 2 Sensor 1
60	0.8 TN	1667	Heated Oxygen Sensor (HO2S) Low Signal - Bank 2 Sensor 1
61	0.5 OG	225	Generator Turn On Signal
62	--	--	Not Used
63	0.35 PU	486	Throttle Position (TP) Sensor 2 Signal
64	0.35 D-BU/WH	6265	Camshaft Position (CMP) Sensor Signal
65	0.35 D-GN	485	Throttle Position (TP) Sensor 1 Signal
66	0.35 BN	6266	Low Reference
67	--	--	Not Used
68	0.35 WH/BK	6271	Crankshaft Position (CKP) Sensor Signal
69	0.35 GY/BK	6272	Low Reference
70	0.8 PU	2121	Ignition Coil 1 Control
71	0.8 PU/WH	2128	Ignition Coil 8 Control
72	0.8 OG	2127	Ignition Coil 7 Control
73	0.8 OG/WH	2122	Ignition Coil 2 Control
74	0.8 L-BU/WH	2126	Ignition Coil 6 Control
75	0.8 D-GN	2125	Ignition Coil 5 Control
76	0.8 D-GN/WH	2124	Ignition Coil 4 Control
77	0.8 L-BU	2123	Ignition Coil 3 Control

78	0.8 BN	2129	Low Reference
79	0.8 BN/WH	2130	Low Reference
80	--	--	Not Used

## Engine Control Module (ECM) X2 (6.6L)



### Connector Part Information

- | OEM: 15462694
- | Service: 88988935
- | Description: 58-Way F Mixed Sealed (BK)

### Terminal Part Information

- | Pins: 1-6
- | Terminal/Tray: 1928498059/24
- | Core/Insulation Crimp: 2/5
- | Release Tool/Test Probe: J-38125-561/J-35616-35 (VT)
  
- | Pins: 7, 12, 13, 15, 16, 19-21, 23, 24, 26-31, 33-36, 38, 39, 41, 44-49, 52, 54, 56, 57
- | Terminal/Tray: 1928498135/19
- | Core/Insulation Crimp: JJ
- | Release Tool/Test Probe: J-38125-213/J-35616-64B (L-BU)

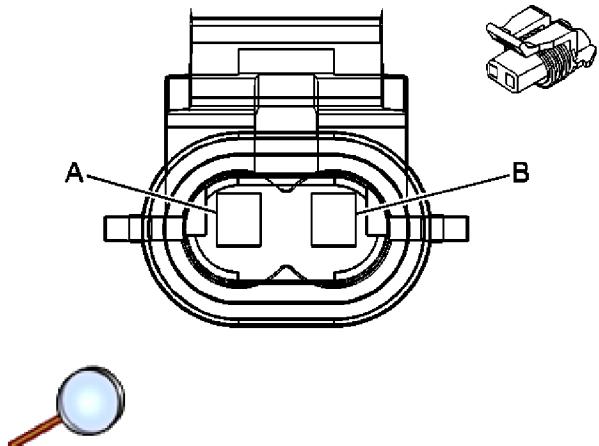
## Engine Control Module (ECM) X2 (6.6L)

Pin	Wire	Circuit	Function
1	2 PK	1439	Ignition Voltage
2	2 BK/WH	1551	Ground
3	2 PK	1439	Ignition Voltage
4	2 BK/WH	1551	Ground
5	2 PK	1439	Ignition Voltage
6	2 BK/WH	1551	Ground
7	0.8 BN	582	Throttle Actuator Control Motor Control - 2

8-11	--	--	Not Used
12	0.5 D-GN/WH	465	Fuel Pump Relay Control - Primary
13	0.5 TN	5514	Low Reference (C60)
14	--	--	Not Used
15	0.5 WH/BK	1164	5-Volt Reference 3
16	0.5 D-BU	507	Wait to Start Indicator Control
17-18	--	--	Not Used
19	0.5 YE	5991	Powertrain Relay Control
20	0.8 YE	581	Throttle Actuator Control Motor Control - 1
21	0.5 PK	439	Ignition Voltage
22	--	--	Not Used
23	0.8 OG	225	Generator Turn On Signal
24	0.8 BN/WH	7076	Charge Indicator Control (KD9)
25	--	--	Not Used
26	0.5 BN/WH	6141	Low Reference
27	0.5 GY	2700	5-Volt Reference 2 (C60)
28	0.5 GY	2365	5-Volt Reference 1
29	0.5 BN	1271	Low Reference
30	0.5 BN/WH	419	MIL Control
31	0.5 D-GN/WH	459	A/C Compressor Clutch Relay Control (C60)
32	--	--	Not Used
33	0.5 OG/BK	5764	Exhaust Gas Recirculation Valve Motor High Control
34	0.5 TN	2759	Low Reference
35	0.5 OG/BK	380	A/C Refrigerant Pressure Sensor Signal (C60)
36	0.5 PU	1589	Fuel Level Sensor Signal - Primary
37	--	--	Not Used
38	0.8 GY	23	Generator Field Duty Cycle Signal
39	0.5 OG/BK	1786	Ignition Lock Cylinder Control Actuator Signal
40	--	--	Not Used
41	0.5 D-BU	6863	Low Reference
42-43	--	--	Not Used
44	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
45	0.5 OG/BK	6399	Replicated TOS Signal
46	0.5 L-GN/BK	5746	Exhaust Gas Recirculation (EGR) Valve Motor Low Control
47	0.5 BN	6062	Low Reference
48	0.5 YE	1578	Fuel Temperature Signal
49	0.5 D-BU	1161	Accelerator Pedal Position (APP) Sensor 1 Signal
50-51	--	--	Not Used
52	0.5 BN/WH	6783	Low Reference
53	--	--	Not Used

54	0.5 YE/BK	1827	Vehicle Speed Signal
55	--	--	Not Used
56	0.5 D-BU	5985	Accessory Wakeup Serial Data
57	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
58	--	--	Not Used

## Engine Coolant Level Switch (6.6L)



### Connector Part Information

- | OEM: 15324243
- | Service: 15324243
- | Description: 2-Way F Metri-Pack 150 Series Sealed (GY)

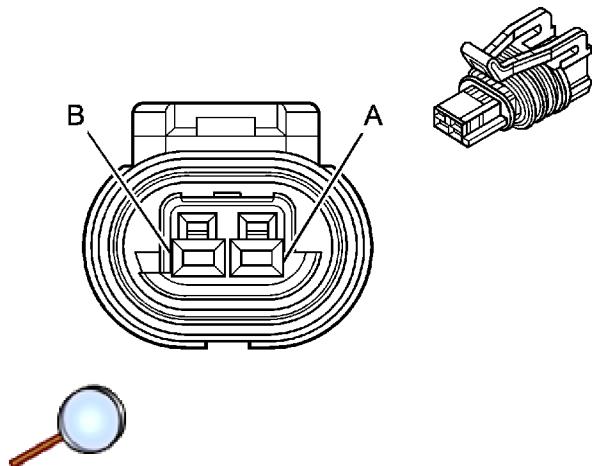
### Terminal Part Information

- | Terminal/Tray: 12048074/2
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Engine Coolant Level Switch (6.6L)

Pin	Wire	Circuit	Function
A	0.5 L-GN	1478	Coolant Level Switch Signal
B	0.5 BK/WH	351	Ground

## Engine Coolant Temperature (ECT) Sensor (4.3L/4.8L/5.3L/6.0L)



## Connector Part Information

- | OEM: 15449028
- | Service: 88987993
- | Description: 2-Way F GT 150 Series Sealed (BK)

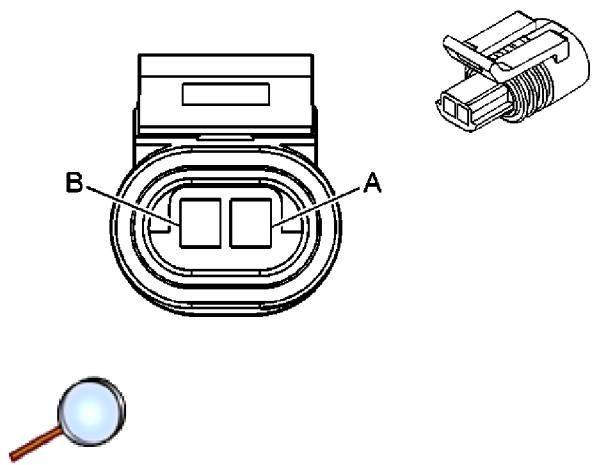
## Terminal Part Information

- | Terminal/Tray: 15326267/19
- | Core/Insulation Crimp: E/4
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Engine Coolant Temperature (ECT) Sensor (4.3L/4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
A	0.5 TN	2761	Low Reference
B	0.5 YE	410	Engine Coolant Temperature (ECT) Sensor Signal

## Engine Coolant Temperature (ECT) Sensor (6.6L)



## Connector Part Information

- | OEM: 12162195
- | Service: 12162195
- | Description: 2-Way F Metri-Pack 150.2 Series Sealed (BK)

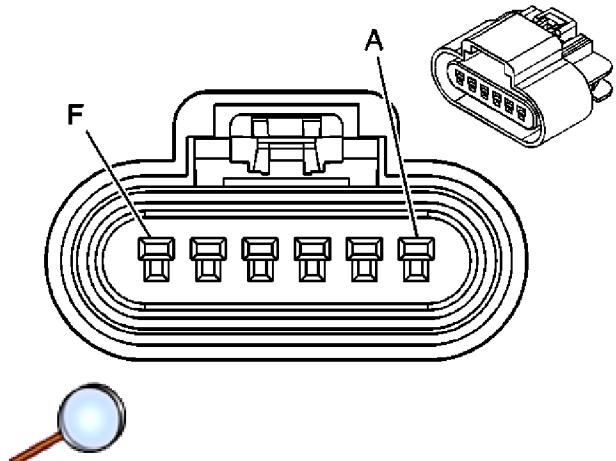
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Engine Coolant Temperature (ECT) Sensor (6.6L)

Pin	Wire	Circuit	Function
A	0.5 BK	IC47	Low Reference
B	0.5 YE	IC41	Engine Coolant Temperature (ECT) Sensor Signal

## Engine Cooling Fan (6.6L)



## Connector Part Information

- | OEM: 15326829
- | Service: 15326829
- | Description: 6-Way F GT 150 Series Sealed (BK)

## Terminal Part Information

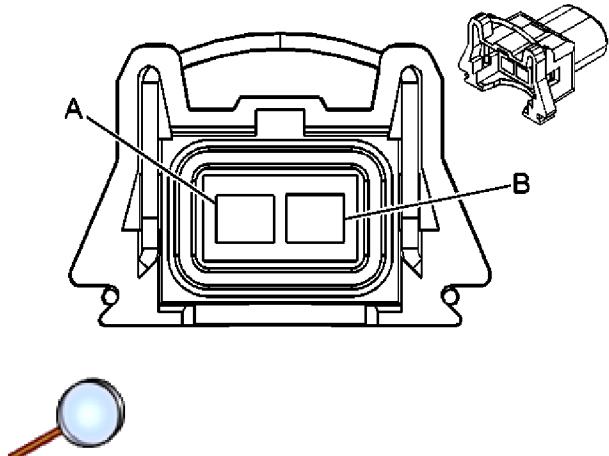
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Engine Cooling Fan (6.6L)

Pin	Wire	Circuit	Function
A	0.5 BK	1250	Ground

B	0.5 WH	2368	Cooling Fan Clutch Control
C	0.5 BN/WH	6141	Low Reference
D	0.5 D-BU	2364	Cooling Fan Speed Signal
E	0.5 GY	2365	Low Reference
F	--	--	Not Used

## Engine Oil Level (EOL) Switch (6.6L)



### Connector Part Information

- | OEM: 12129140
- | Service: 12085491
- | Description: 2-Way F Metri-Pack 280.1 Sealed (BK)

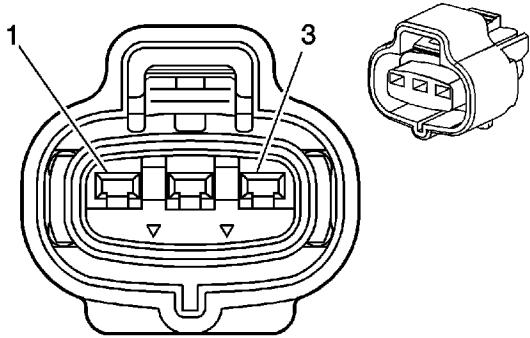
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Engine Oil Level (EOL) Switch (6.6L)

Pin	Wire	Circuit	Function
A	0.5 BN	IC68	Oil Level Switch Signal
B	0.5 L-GN/WH	IC69	Ground

## Engine Oil Pressure (EOP) Sensor (6.6L)



## Connector Part Information

- | OEM: 6189-0099
- | Service: 88953311
- | Description: 3-Way F 090 Series Sealed (BK)

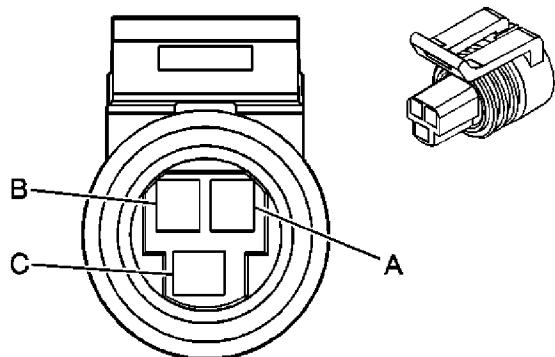
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Engine Oil Pressure (EOP) Sensor (6.6L)

Pin	Wire	Circuit	Function
1	0.5 BK	IC71	Low Reference
2	0.5 TN/WH	IC66	Oil Pressure Sensor Signal
3	0.5 GY	IC57	5-Volt Reference

## Engine Oil Pressure (EOP) Sensor (4.3L)



## Connector Part Information

- | OEM: 12065287
- | Service: 88988301
- | Description: 3-Way F Metri-Pack 150 Series Sealed (BK)

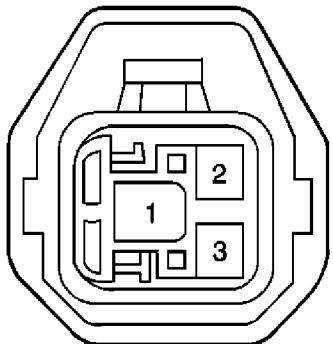
## Terminal Part Information

- | Terminal/Tray: 12103881/2
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 12180559-1/J-35616-14 (GN)

## Engine Oil Pressure (EOP) Sensor (4.3L)

Pin	Wire	Circuit	Function
A	0.35 BK	2755	Low Reference
B	0.35 GY	2705	5-Volt Reference
C	0.35 TN/WH	331	Oil Pressure Sensor Signal

## Engine Oil Pressure (EOP) Sensor (4.8L/5.3L/6.0L)



## Connector Part Information

- | OEM: 13589761
- | Service: See Catalog
- | Description: 3-Way F Sealed (BK)

## Terminal Part Information

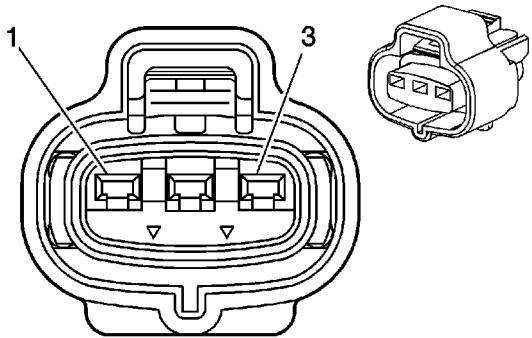
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Engine Oil Pressure (EOP) Sensor (4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function

1	0.35 TN/WH	331	Oil Pressure Sensor Signal
2	0.35 GY	2705	5-Volt Reference
3	0.35 BK	2755	Low Reference

## Engine Oil Pressure (EOP) Sensor (6.6L)



### Connector Part Information

- | OEM: 6189-0099
- | Service: 88953311
- | Description: 3-Way F 090 Series Sealed (BK)

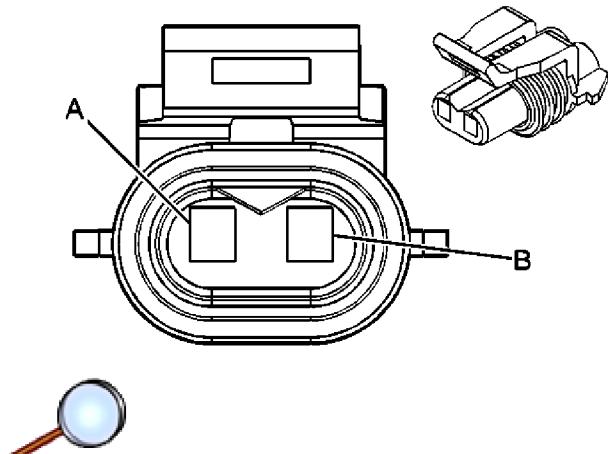
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Engine Oil Pressure (EOP) Sensor (6.6L)

Pin	Wire	Circuit	Function
1	0.5 BK	IC71	Low Reference
2	0.5 TN/WH	IC66	Oil Pressure Sensor Signal
3	0.5 GY	IC57	5-Volt Reference

## Evaporative Emission (EVAP) Canister Purge Solenoid Valve (4.3L/4.8L/5.3L/6.0L)



## Connector Part Information

- | OEM: 12124037
- | Service: 12124037
- | Description: 2-Way F Metri-Pack 150 Series Sealed (BK)

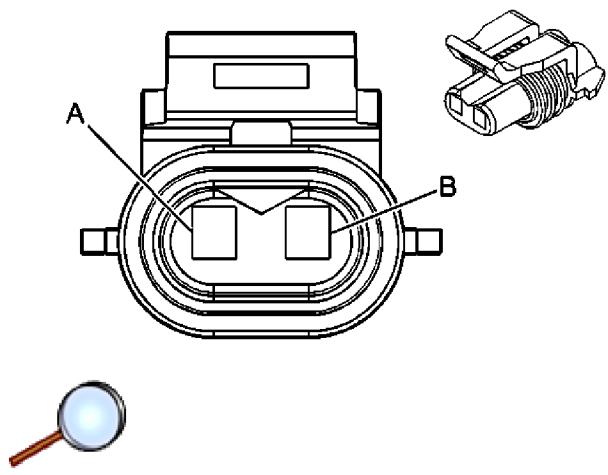
## Terminal Part Information

- | Terminal/Tray: 12048074/2
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Evaporative Emission (EVAP) Canister Purge Solenoid Valve (4.3L/4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
A	0.5 PK	1939	Ignition Voltage
B	0.5 D-GN/WH	428	Evaporative Emission (EVAP) Canister Purge Solenoid Control

## Evaporative Emission (EVAP) Canister Vent Solenoid Valve (4.3L/4.8L/5.3L/6.0L)



## Connector Part Information

- | OEM: 12052643
- | Service: 12052643
- | Description: 2-Way F Metri-Pack 150 Series Sealed (RD)

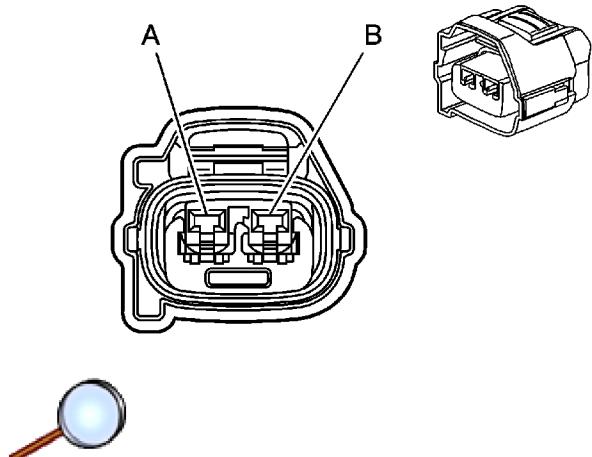
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Evaporative Emission (EVAP) Canister Vent Solenoid Valve (4.3L/4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
A	0.5 RD/WH	40	Battery Positive Voltage
B	0.5 WH	1310	Evaporative Emission (EVAP) Canister Vent Solenoid Control

## Exhaust Gas Recirculation (EGR) Temperature Sensor 1 (6.6L)



## Connector Part Information

- | OEM: 7283-7020-10
- | Service: Service by Harness - See Part Catalog
- | Description: 2-Way F 2.3 Series Sealed (D-GY)

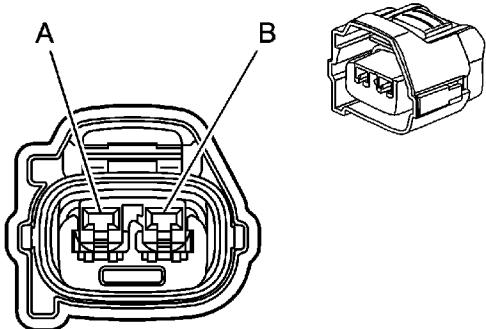
## Terminal Part Information

- | Terminal/Tray: 7116-4025/11
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 15313892/J-35616-18 (BK)

## Exhaust Gas Recirculation (EGR) Temperature Sensor 1 (6.6L)

Pin	Wire	Circuit	Function
A	0.5 PU/WH	IC145	Exhaust Gas Recirculation Temperature Sensor 1 Supply Voltage
B	0.5 BN	IC146	Low Reference

## Exhaust Gas Recirculation (EGR) Temperature Sensor 2 (6.6L)



### Connector Part Information

- | OEM: 7283-7020-10
- | Service: Service by Harness - See Part Catalog
- | Description: 2-Way F 2.3 Series Sealed (D-GY)

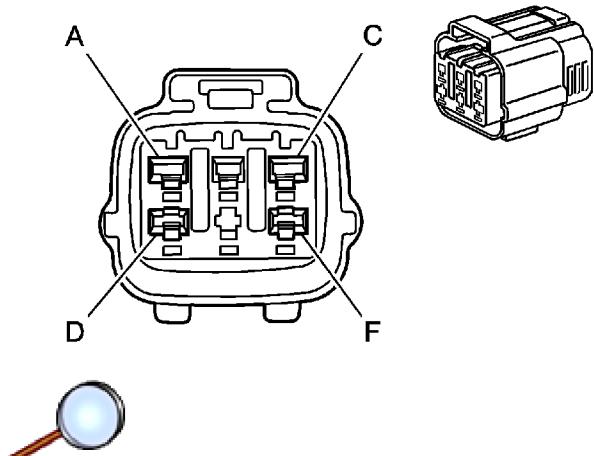
### Terminal Part Information

- | Terminal/Tray: 7116-4025/11
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 15313892/J-35616-18 (BK)

## Exhaust Gas Recirculation (EGR) Temperature Sensor 2 (6.6L)

Pin	Wire	Circuit	Function
A	0.5 D-BU	IC147	Exhaust Gas Recirculation Temperature Sensor 2 Supply Voltage
B	0.5 WH	IC148	Low Reference

## Exhaust Gas Recirculation (EGR) Valve (6.6L)



## Connector Part Information

- | OEM: 6195-0021
- | Service: 97324702
- | Description: 6-Way F DL Series Sealed (GY)

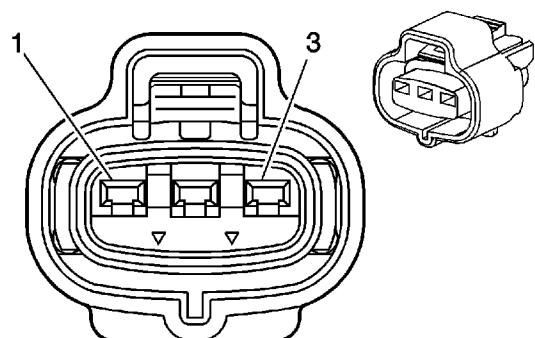
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Exhaust Gas Recirculation (EGR) Valve (6.6L)

Pin	Wire	Circuit	Function
A	0.5 GY	IC142	5-Volt Reference
B	0.5 TN	IC143	Low Reference
C	0.5 BN/WH	IC144	Exhaust Gas Recirculation (EGR) Valve Sensor Signal
D	0.5 OG/BK	IC140	Exhaust Gas Recirculation (EGR) Valve Motor High Control
E	--	--	Not Used
F	0.5 L-GN/BK	IC141	Exhaust Gas Recirculation (EGR) Valve Motor Low Control

## Exhaust Pressure Differential Sensor (6.6L)





## Connector Part Information

- | OEM: 15401052
- | Service: 88953311
- | Description: 3-Way F 090 Series Sealed (BK)

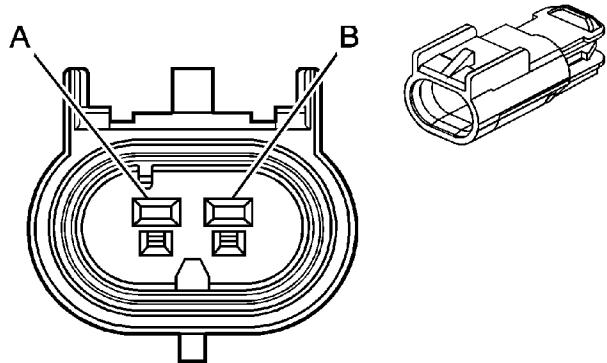
## Terminal Part Information

- | Terminal/Tray: 7116-4025/11
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 15313892/J-35616-18 (BK)

## Exhaust Pressure Differential Sensor (6.6L)

Pin	Wire	Circuit	Function
1	0.5 YE/BK	6055	Low Reference
2	0.5 D-BU	6053	DPF Sensor Signal
3	0.5 GY	6054	5-Volt Reference

## Exhaust Temperature Sensor 1 (6.6L)



## Connector Part Information

- | OEM: 13510099
- | Service: 19151499
- | Description: 2-Way M GT 150 Series Sealed (BK)

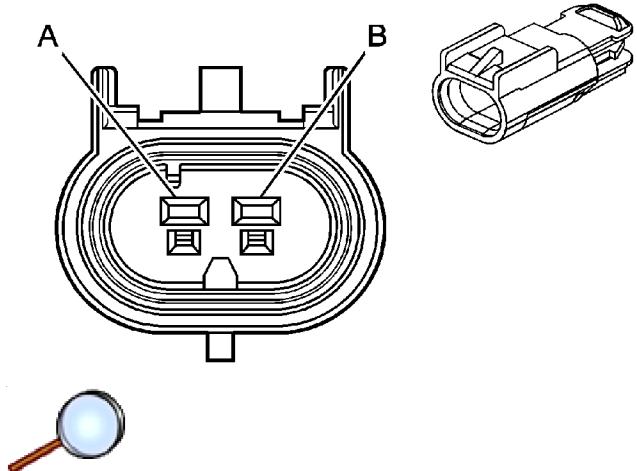
## Terminal Part Information

- | Terminal/Tray: 15373403/5
- | Core/Insulation Crimp: E/4
- | Release Tool/Test Probe: 15315247/J-35616-3 (GY)

## Exhaust Temperature Sensor 1 (6.6L)

Pin	Wire	Circuit	Function
A	0.5 D-BU	5277	Exhaust Gas Temperature (EGT) Sensor Signal
B	0.5 BN	6274	Low Reference

## Exhaust Temperature Sensor 2 (6.6L)



### Connector Part Information

- | OEM: 13510099
- | Service: 19151499
- | Description: 2-Way M GT 150 Series Sealed (BK)

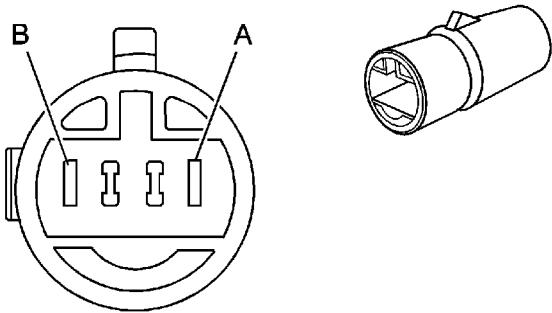
### Terminal Part Information

- | Terminal/Tray: 15373403/5
- | Core/Insulation Crimp: E/4
- | Release Tool/Test Probe: 15315247/J-35616-3 (GY)

## Exhaust Temperature Sensor 2 (6.6L)

Pin	Wire	Circuit	Function
A	0.5 L-BU	5377	Exhaust Gas Temperature (EGT) Sensor Signal
B	0.5 GY/BK	6290	Low Reference

## Fuel Heater (6.6L)



### Connector Part Information

- | OEM: 7318-3324-30
- | Service: See Catalog
- | Description: 2-Way F (BK)

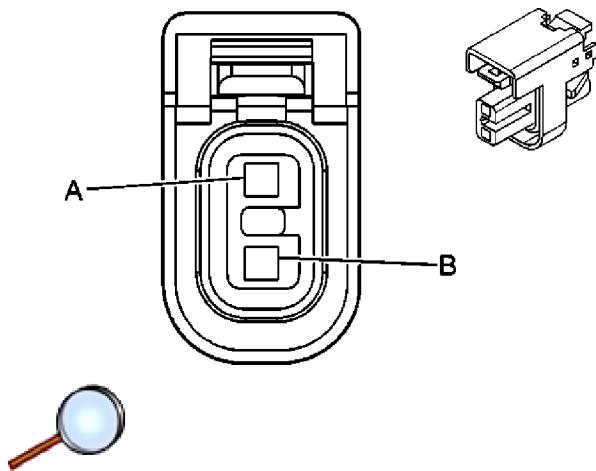
### Terminal Part Information

- | Terminal/Tray: 7114-1050/4
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 12094430/J-35616-5 (PU)

## Fuel Heater (6.6L)

Pin	Wire	Circuit	Function
A	0.85 BK	150	Ground
B	0.85 PK	2239	Ignition Voltage

## Fuel Injector 1 (4.3L)



### Connector Part Information

- | OEM: 15326181
- | Service: 88988814
- | Description: 2-Way F Micro-Pack 064 Series Sealed (BK)

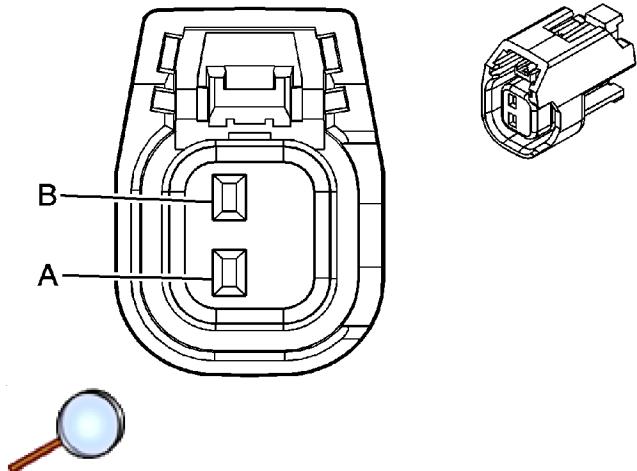
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Fuel Injector 1 (4.3L)

Pin	Wire	Circuit	Function
A	0.8 BK	1839	Ignition Voltage
B	0.5 BK	1744	Fuel Injector 1 Control

## Fuel Injector 1 (4.8L/5.3L/6.0L)



## Connector Part Information

- | OEM: 15419715
- | Service: 88988313
- | Description: 2-Way F GT 150 Series Sealed (GY)

## Terminal Part Information

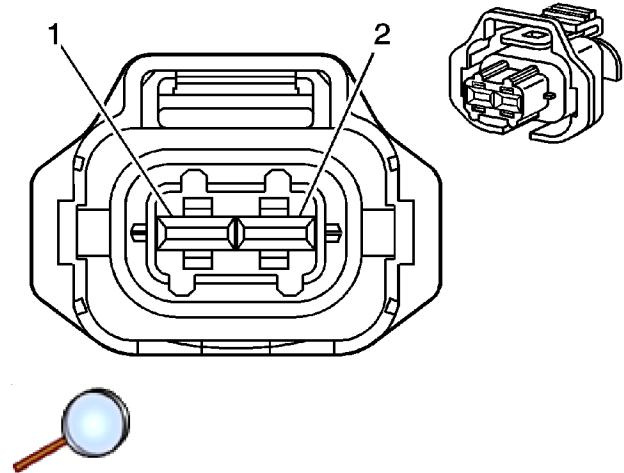
- | Pins: A, B
- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: Pins A - 2/A
- | Core/Insulation Crimp: Pins B - E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Fuel Injector 1 (4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
A	0.8 PK	1039	Ignition Voltage

B	0.5 TN	1744	Fuel Injector 1 Control
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## Fuel Injector 1 (6.6L)



### Connector Part Information

- | OEM: 1928404213
- | Service: See Catalog
- | Description: 2-Way F Sealed (BK)

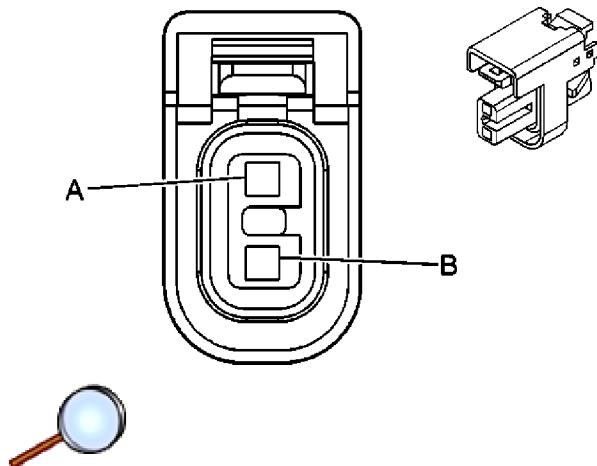
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Fuel Injector 1 (6.6L)

Pin	Wire	Circuit	Function
1	2 TN	IC15	Fuel Injector 1 Control
2	2 OG	IC10	Ignition Voltage

## Fuel Injector 2 (4.3L)



## Connector Part Information

- | OEM: 15326181
- | Service: 88988814
- | Description: 2-Way F Micro-Pack 064 Series Sealed (BK)

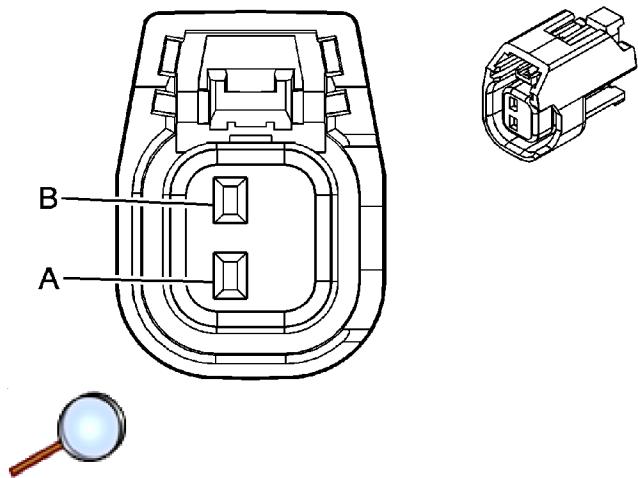
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Fuel Injector 2 (4.3L)

Pin	Wire	Circuit	Function
A	0.8 BK	1839	Ignition Voltage
B	0.5 BK	1745	Fuel Injector 2 Control

## Fuel Injector 2 (4.8L/5.3L/6.0L)



## Connector Part Information

- | OEM: 15419715
- | Service: 88988313
- | Description: 2-Way F GT 150 Series Sealed (GY)

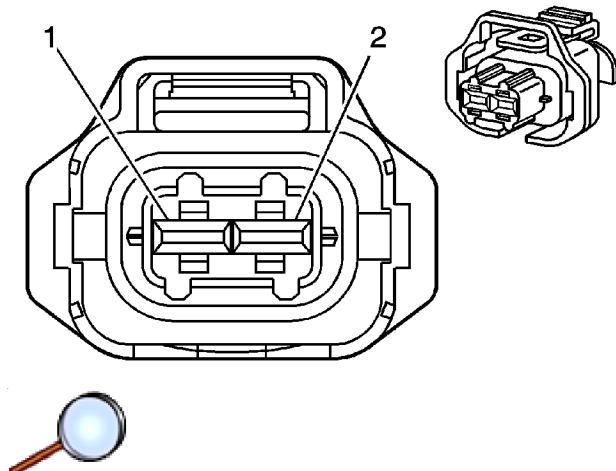
## Terminal Part Information

- | Pins: A, B
- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: Pins A - 2/A
- | Core/Insulation Crimp: Pins B - E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Fuel Injector 2 (4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
A	0.8 PK	1239	Ignition Voltage
B	0.5 L-GN/BK	1745	Fuel Injector 2 Control

## Fuel Injector 2 (6.6L)



## Connector Part Information

- | OEM: 1928404213
- | Service: See Catalog
- | Description: 2-Way F Sealed (BK)

## Terminal Part Information

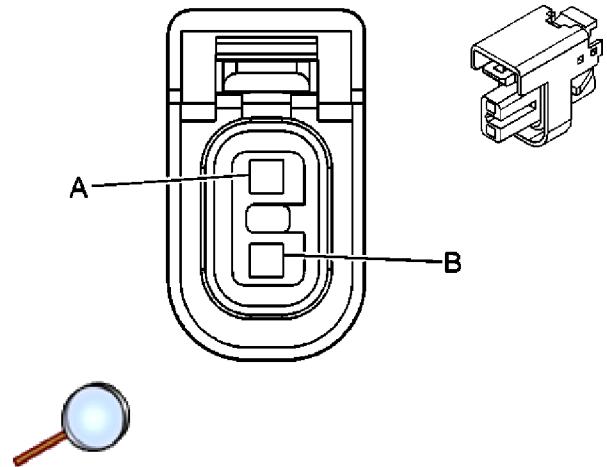
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Fuel Injector 2 (6.6L)

Pin	Wire	Circuit	Function
1	2 L-GN/BK	IC16	Fuel Injector 2 Control

2	2 PU	IC13	Ignition Voltage
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## Fuel Injector 3 (4.3L)



### Connector Part Information

- | OEM: 15326181
- | Service: 88988814
- | Description: 2-Way F Micro-Pack 064 Series Sealed (BK)

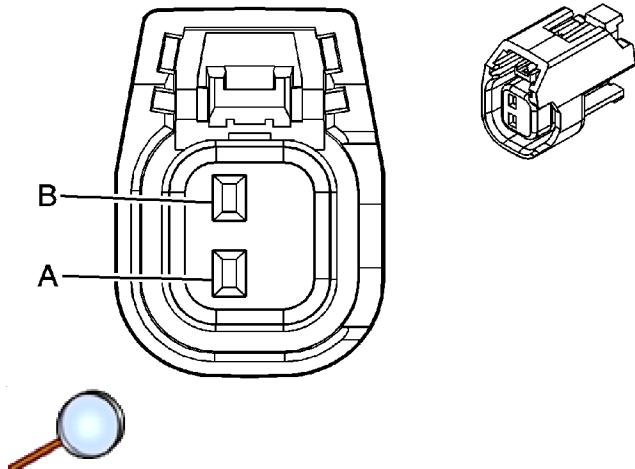
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Fuel Injector 3 (4.3L)

Pin	Wire	Circuit	Function
A	0.8 BK	1839	Ignition Voltage
B	0.5 BK	1746	Fuel Injector 3 Control

## Fuel Injector 3 (4.8L/5.3L/6.0L)



## Connector Part Information

- | OEM: 15419715
- | Service: 88988313
- | Description: 2-Way F GT 150 Series Sealed (GY)

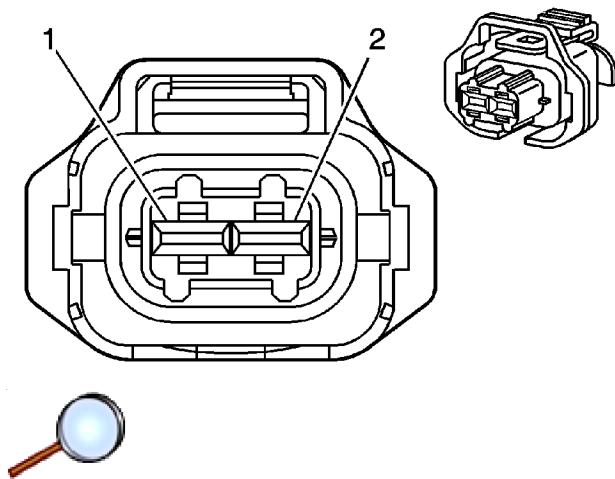
## Terminal Part Information

- | Pins: A, B
- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: Pins A - 2/A
- | Core/Insulation Crimp: Pins B - E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Fuel Injector 3 (4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
A	0.8 PK	1039	Ignition Voltage
B	0.5 PK/BK	1746	Fuel Injector 3 Control

## Fuel Injector 3 (6.6L)



## Connector Part Information

- | OEM: 1928404213
- | Service: See Catalog
- | Description: 2-Way F Sealed (BK)

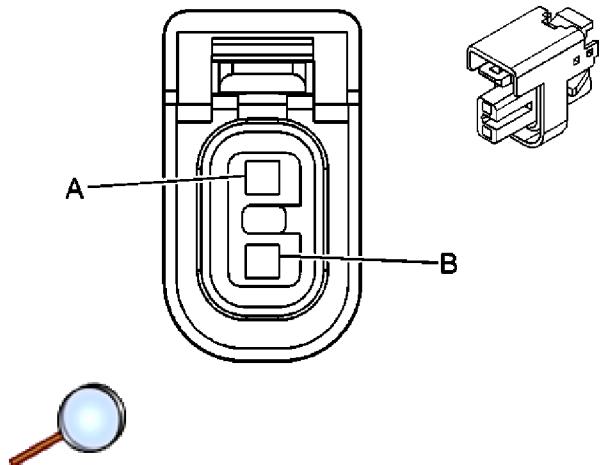
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

### Fuel Injector 3 (6.6L)

Pin	Wire	Circuit	Function
1	2 PK/BK	IC17	Fuel Injector 3 Control
2	2 PK	IC12	Ignition Voltage

### Fuel Injector 4 (4.3L)



## Connector Part Information

- | OEM: 15326181
- | Service: 88988814
- | Description: 2-Way F Micro-Pack 064 Series Sealed (BK)

## Terminal Part Information

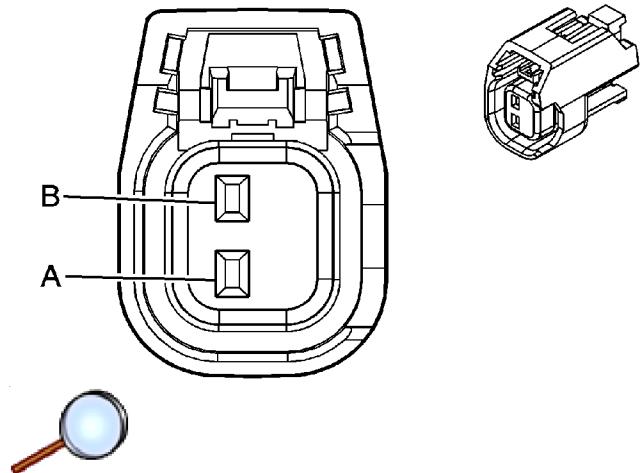
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

### Fuel Injector 4 (4.3L)

Pin	Wire	Circuit	Function
A	0.8 BK	1839	Ignition Voltage

B	0.5 BK	844	Fuel Injector 4 Control
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## Fuel Injector 4 (4.8L/5.3L/6.0L)



### Connector Part Information

- | OEM: 15419715
- | Service: 88988313
- | Description: 2-Way F GT 150 Series Sealed (GY)

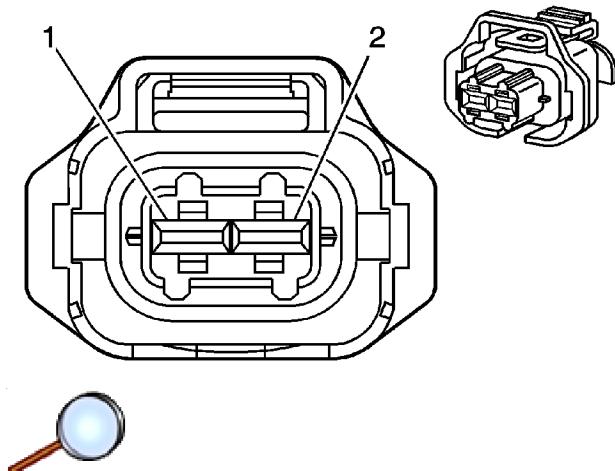
### Terminal Part Information

- | Pins: A, B
- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: Pins A - 2/A
- | Core/Insulation Crimp: Pins B - E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Fuel Injector 4 (4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
A	0.8 PK	1239	Ignition Voltage
B	0.5 L-BU/BK	844	Fuel Injector 4 Control

## Fuel Injector 4 (6.6L)



### Connector Part Information

- | OEM: 1928404213
- | Service: See Catalog
- | Description: 2-Way F Sealed (BK)

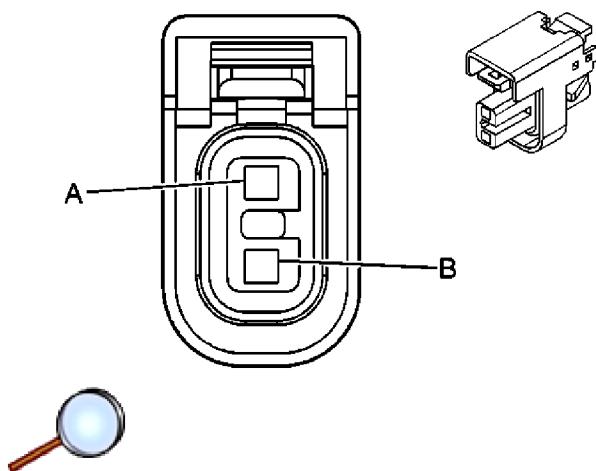
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

### Fuel Injector 4 (6.6L)

Pin	Wire	Circuit	Function
1	2 L-BU/BK	IC18	Fuel Injector 4 Control
2	2 OG	IC60	Ignition Voltage

### Fuel Injector 5 (4.3L)



### Connector Part Information

- | OEM: 15326181
- | Service: 88988814
- | Description: 2-Way F Micro-Pack 064 Series Sealed (BK)

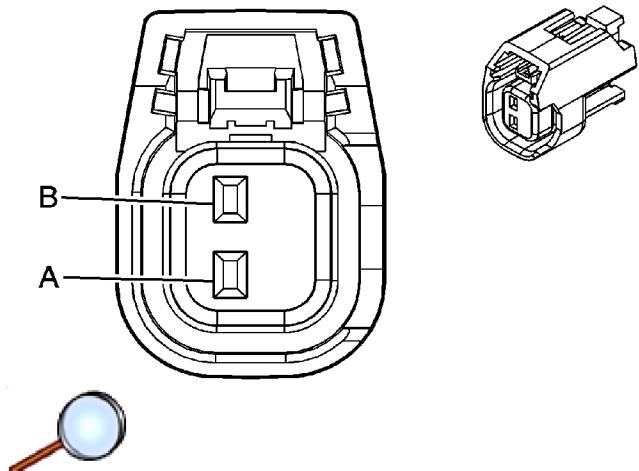
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Fuel Injector 5 (4.3L)

Pin	Wire	Circuit	Function
A	0.8 BK	1839	Ignition Voltage
B	0.5 BK	845	Fuel Injector 5 Control

## Fuel Injector 5 (4.8L/5.3L/6.0L)



## Connector Part Information

- | OEM: 15419715
- | Service: 88988313
- | Description: 2-Way F GT 150 Series Sealed (GY)

## Terminal Part Information

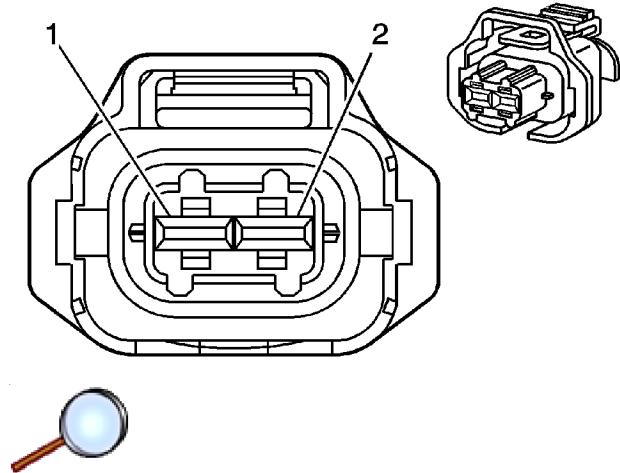
- | Pins: A, B
- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: Pins A - 2/A
- | Core/Insulation Crimp: Pins B - E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Fuel Injector 5 (4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
A	0.8 PK	1039	Ignition Voltage

B	0.5 TN/WH	845	Fuel Injector 5 Control
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## Fuel Injector 5 (6.6L)



### Connector Part Information

- | OEM: 1928404213
- | Service: See Catalog
- | Description: 2-Way F Sealed (BK)

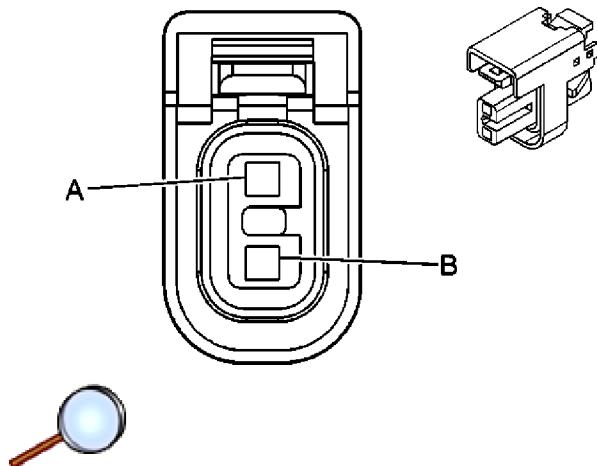
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Fuel Injector 5 (6.6L)

Pin	Wire	Circuit	Function
1	2 TN/WH	IC19	Fuel Injector 5 Control
2	2 PU	IC63	Ignition Voltage

## Fuel Injector 6 (4.3L)



## Connector Part Information

- | OEM: 15326181
- | Service: 88988814
- | Description: 2-Way F Micro-Pack 064 Series Sealed (BK)

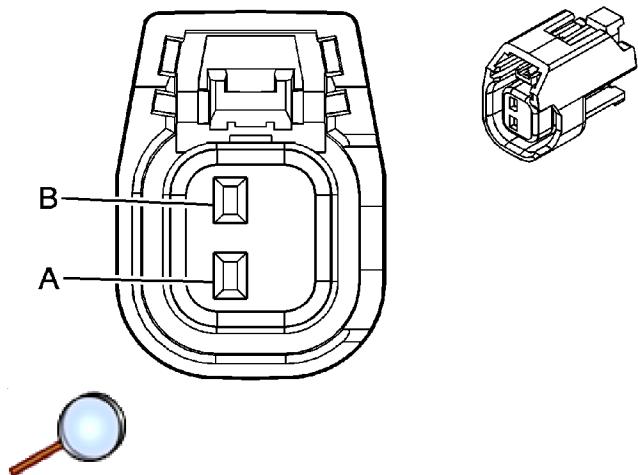
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Fuel Injector 6 (4.3L)

Pin	Wire	Circuit	Function
A	0.8 BK	1839	Ignition Voltage
B	0.5 BK	846	Fuel Injector 6 Control

## Fuel Injector 6 (4.8L/5.3L/6.0L)



## Connector Part Information

- | OEM: 15419715
- | Service: 88988313
- | Description: 2-Way F GT 150 Series Sealed (GY)

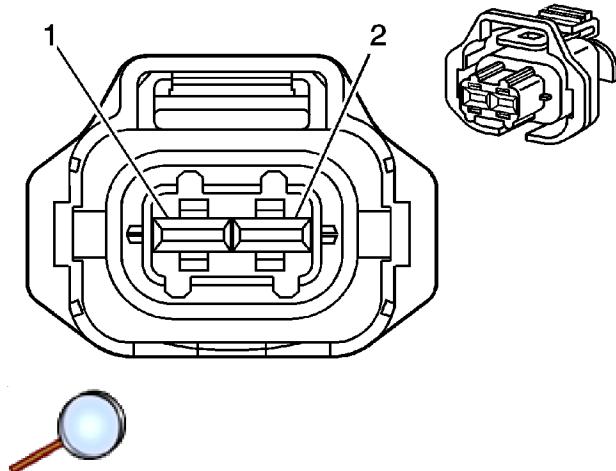
## Terminal Part Information

- | Pins: A, B
- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: Pins A - 2/A
- | Core/Insulation Crimp: Pins B - E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Fuel Injector 6 (4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
A	0.8 PK	1239	Ignition Voltage
B	0.5 YE/BK	846	Fuel Injector 6 Control

## Fuel Injector 6 (6.6L)



## Connector Part Information

- | OEM: 1928404213
- | Service: See Catalog
- | Description: 2-Way F Sealed (BK)

## Terminal Part Information

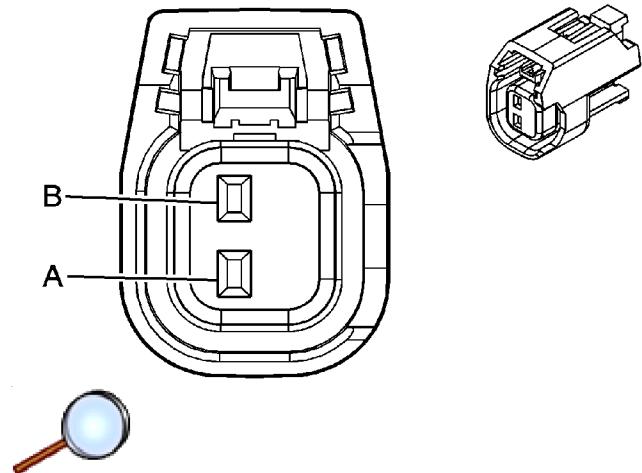
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Fuel Injector 6 (6.6L)

Pin	Wire	Circuit	Function
1	2 YE/BK	IC20	Fuel Injector 6 Control

2	2 YE	IC11	Ignition Voltage
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## Fuel Injector 7 (4.8L/5.3L/6.0L)



### Connector Part Information

- | OEM: 15419715
- | Service: 88988313
- | Description: 2-Way F GT 150 Series Sealed (GY)

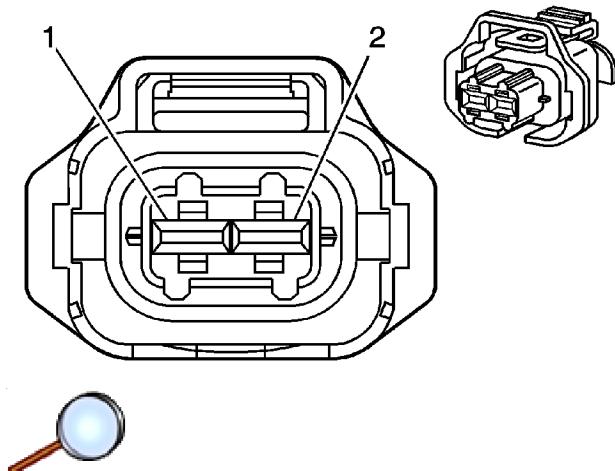
### Terminal Part Information

- | Pins: A, B
- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: Pins A - 2/A
- | Core/Insulation Crimp: Pins B - E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Fuel Injector 7 (4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
A	0.8 PK	1039	Ignition Voltage
B	0.5 OG/BK	877	Fuel Injector 7 Control

## Fuel Injector 7 (6.6L)



## Connector Part Information

- | OEM: 1928404213
- | Service: See Catalog
- | Description: 2-Way F Sealed (BK)

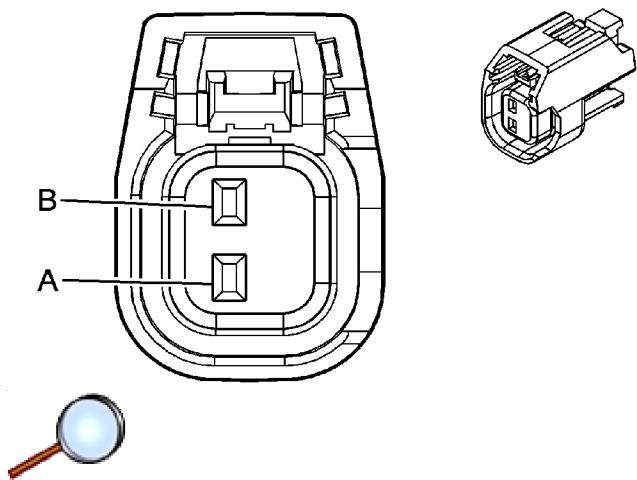
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Fuel Injector 7 (6.6L)

Pin	Wire	Circuit	Function
1	2 OG/BK	IC21	Fuel Injector 7 Control
2	2 YE	IC61	Ignition Voltage

## Fuel Injector 8 (4.8L/5.3L/6.0L)



## Connector Part Information

- | OEM: 15419715
- | Service: 88988313
- | Description: 2-Way F GT 150 Series Sealed (GY)

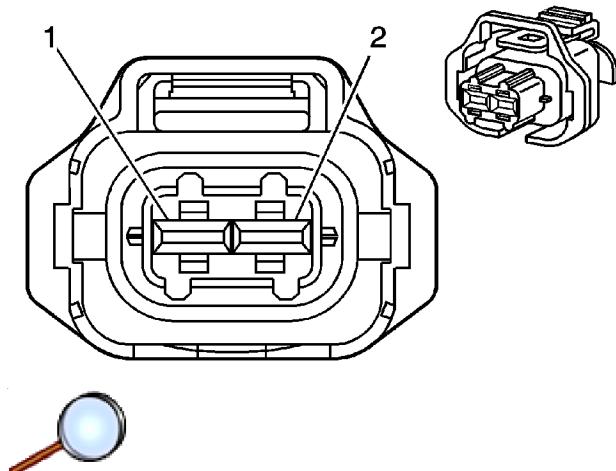
## Terminal Part Information

- | Pins: A, B
- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: Pins A - 2/A
- | Core/Insulation Crimp: Pins B - E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Fuel Injector 8 (4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
A	0.8 PK	1239	Ignition Voltage
B	0.5 D-BU/WH	878	Fuel Injector 8 Control

## Fuel Injector 8 (6.6L)



## Connector Part Information

- | OEM: 1928404213
- | Service: See Catalog
- | Description: 2-Way F Sealed (BK)

## Terminal Part Information

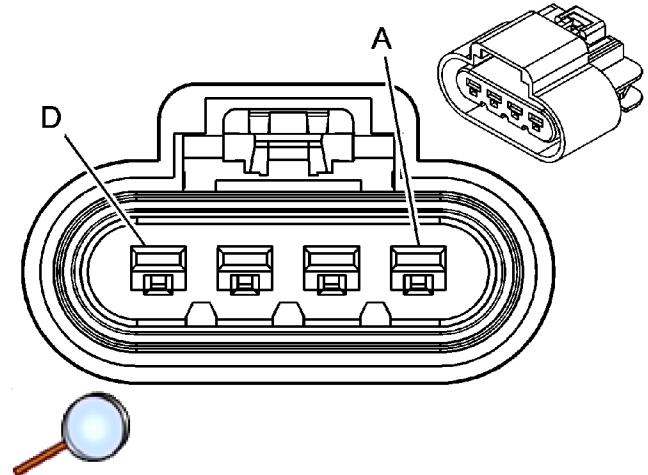
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Fuel Injector 8 (6.6L)

Pin	Wire	Circuit	Function
1	2 D-BU/WH	IC22	Fuel Injector 8 Control

2	2 PK	IC62	Ignition Voltage
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## Fuel Level Sensor (6.6L)



### Connector Part Information

- | OEM: 13521459
- | Service: 19152589
- | Description: 4-Way F GT 280 5.8 Series Sealed (BK)

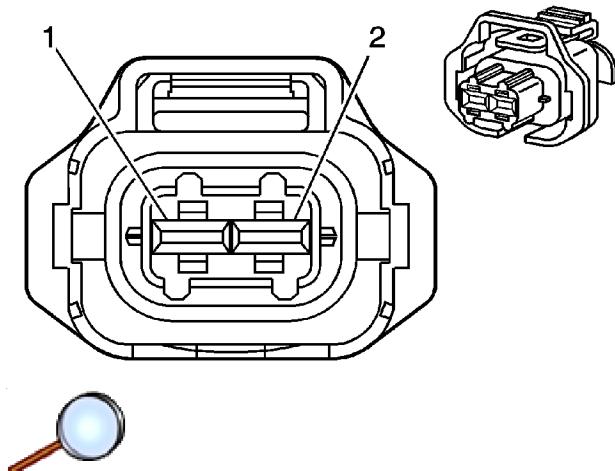
### Terminal Part Information

- | Pins: B, C
- | Terminal/Tray: 15304719/19
- | Core/Insulation Crimp: E/5
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## Fuel Level Sensor (6.6L)

Pin	Wire	Circuit	Function
A	--	--	Not Used
B	0.35 PU	1589	Fuel Level Sensor Signal - Primary
C	0.35 TN	2759	Low Reference
D	--	--	Not Used

## Fuel Pressure Regulator (6.6L)



## Connector Part Information

- | OEM: 1928403874
- | Service: 88988963
- | Description: 2-Way F Kompakt 2.8 Series Sealed (BK)

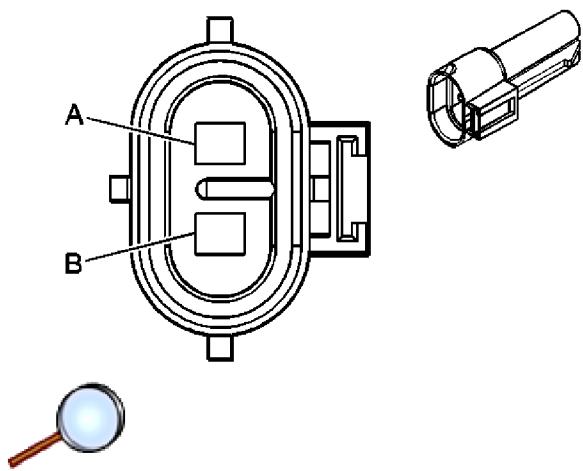
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Fuel Pressure Regulator (6.6L)

Pin	Wire	Circuit	Function
1	0.5 PU/WH	IC32	Fuel Pressure Regulator Solenoid Control
2	0.5 YE	IC31	Fuel Pressure Regulator Solenoid Control

## Fuel Pump (6.6L)



## Connector Part Information

- | OEM: 12059450
- | Service: 15306134
- | Description: 2-Way M Metri-Pack 280 Series Sealed (BK)

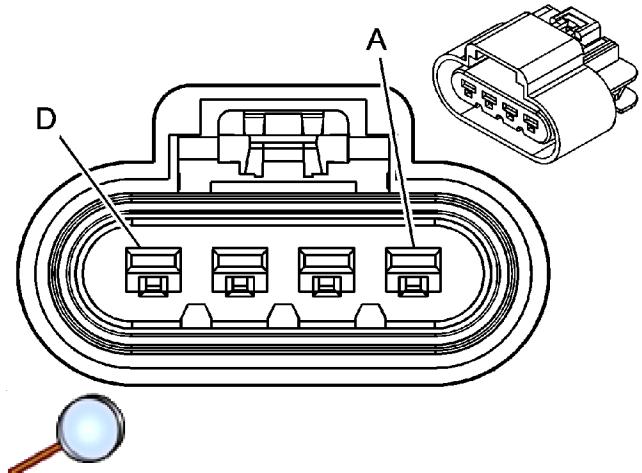
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Fuel Pump (6.6L)

Pin	Wire	Circuit	Function
A	0.5 GY	120	Fuel Pump Control
B	2 BK	150	Ground

## Fuel Pump and Sender Assembly (4.3L/4.8L/5.3L/6.0L)



## Connector Part Information

- | OEM: 13521459
- | Service: 19152589
- | Description: 4-Way F GT 280 5.8 Series Sealed (BK)

## Terminal Part Information

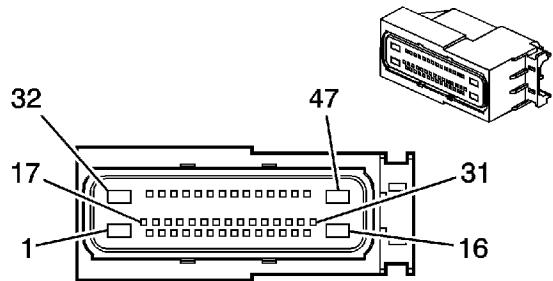
- | Pins: A, D
- | Terminal/Tray: 15392777/23
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: J-38125-553/J-35616-4A (PU)
  
- | Pins: A, B, C
- | Terminal/Tray: 15304719/19
- | Core/Insulation Crimp: Pins A - 2/5
- | Core/Insulation Crimp: Pins B, C - E/5

- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## Fuel Pump and Sender Assembly (4.3L/4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
A	2 BK	150	Ground (4.3L/4.8L/6.0L)
	2 PK	1580	Low Reference (5.3L)
B	0.5 PU	1589	Fuel Level Sensor Signal - Primary (4.3L/4.8L/6.0L)
	0.5 TN	2759	Low Reference (5.3L)
C	0.5 TN	2759	Low Reference (4.3L/4.8L/6.0L)
	0.5 PU	1589	Fuel Level Sensor Signal - Primary (5.3L)
D	2 GY	120	Fuel Pump Control

## Fuel Pump Flow Control Module (5.3L)



### Connector Part Information

- | OEM: 13570966
- | Service: See Catalog
- | Description: 47-Way F ASG Series Sealed (BK)

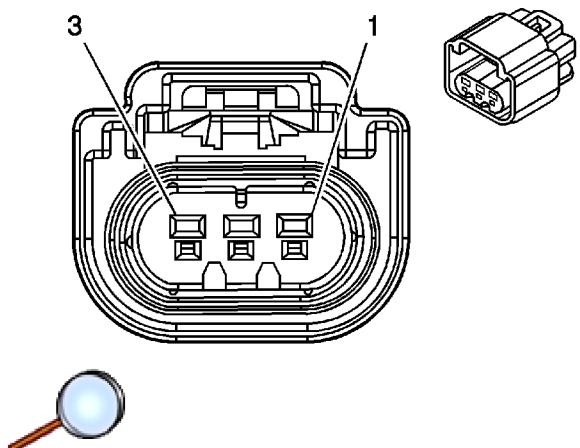
### Terminal Part Information

- | Pins: 1, 16, 32, 47
- | Terminal/Tray: 15476168/5
- | Core/Insulation Crimp: F/3
- | Release Tool/Test Probe: 15315247/J-35616-42 (RD)
  
- | Pins: 5-7, 10, 15, 17, 21, 22, 36, 44, 13
- | Terminal/Tray: 7116-3703-02
- | Core/Insulation Crimp: Pins 5-7, 10, 15, 17, 21, 22, 36, 44 - See Terminal Repair Kit
- | Core/Insulation Crimp: Pins 13 - 9/9
- | Release Tool/Test Probe: See Terminal Repair Kit

## Fuel Pump Flow Control Module (5.3L)

Pin	Wire	Circuit	Function
1	2 BK	2150	Ground
2-4	--	--	Not Used
5	0.5 GY	7447	Low Reference
6	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
7	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
8-9	--	--	Not Used
10	0.5 PU	7446	Fuel Line Pressure Sensor Signal
11-12	--	--	Not Used
13	0.35 D-GN/WH	465	Fuel Pump Relay Control - Primary
14	--	--	Not Used
15	0.5 PK	2739	Ignition Voltage
16	2 PK	1580	Low Reference
17	0.5 L-BU	5986	Serial Data Communication Enable
18-20	--	--	Not Used
21	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
22	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
23-31	--	--	Not Used
32	2 RD/WH	1940	Battery Positive Voltage
33-35	--	--	Not Used
36	0.5 BN	7445	5-Volt Reference
37-43	--	--	Not Used
44	0.5 BK	1350	Ground
45-46	--	--	Not Used
47	2 GY	120	Fuel Pump Control

## Fuel Rail Pressure (FRP) Sensor (5.3L)



### Connector Part Information

- | OEM: 13511131
- | Service: See Catalog
- | Description: 3-Way F GT 150 Series Sealed (BK)

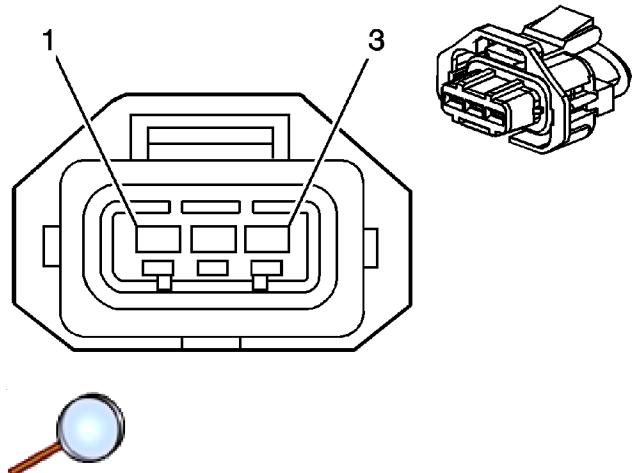
## Terminal Part Information

- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Fuel Rail Pressure (FRP) Sensor (5.3L)

Pin	Wire	Circuit	Function
1	0.5 PU	7446	Fuel Line Pressure Sensor Signal
2	0.5 GY	7447	Low Reference
3	0.5 BN	7445	5-Volt Reference

## Fuel Rail Pressure (FRP) Sensor (6.6L)



## Connector Part Information

- | OEM: 1928403968
- | Service: 88988595
- | Description: 3-Way F Kompakt 2.8 Series Sealed (BK)

## Terminal Part Information

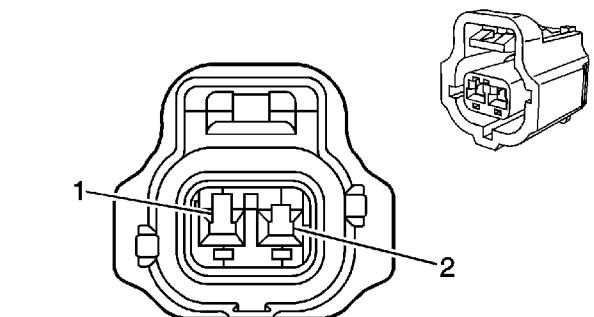
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Fuel Rail Pressure (FRP) Sensor (6.6L)

Pin	Wire	Circuit	Function
1	0.5 WH	IC46	Low Reference

2	0.5 OG/BK	IC40	Fuel Rail Pressure (FRP) Sensor Signal
3	0.5 D-BU	IC37	5-Volt Reference

## Fuel Rail Temperature (FRT) Sensor (6.6L)



### Connector Part Information

- | OEM: 178392-6
- | Service: See Catalog
- | Description: 2-Way F Sealed (GY)

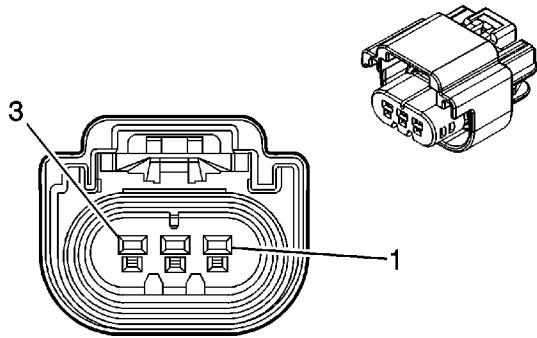
### Terminal Part Information

- | Terminal/Tray: 184030-1/7
- | Core/Insulation Crimp: E/D
- | Release Tool/Test Probe: 12094429/J-35616-33 (YE)

## Fuel Rail Temperature (FRT) Sensor (6.6L)

Pin	Wire	Circuit	Function
1	0.5 YE	IC43	Fuel Temperature Sensor Signal
2	0.5 BN	IC44	Low Reference

## Fuel Tank Pressure (FTP) Sensor (4.3L/4.8L/5.3L/6.0L)



## Connector Part Information

- | OEM: 13522407
- | Service: See Catalog
- | Description: 3-Way F GT 150 Series Sealed (BK)

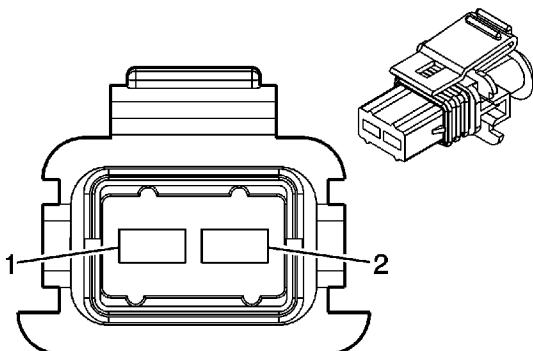
## Terminal Part Information

- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Fuel Tank Pressure (FTP) Sensor (4.3L/4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
1	0.5 D-GN	890	Fuel Tank Pressure (FTP) Sensor Signal
2	0.5 TN	2759	Low Reference
3	0.5 GY	2709	5-Volt Reference

## Generator X1 (4.3L/5.3L)



## Connector Part Information

- | OEM: 12186308
- | Service: See Catalog
- | Description: 2-Way F Junior Power Timer Series Sealed (BK)

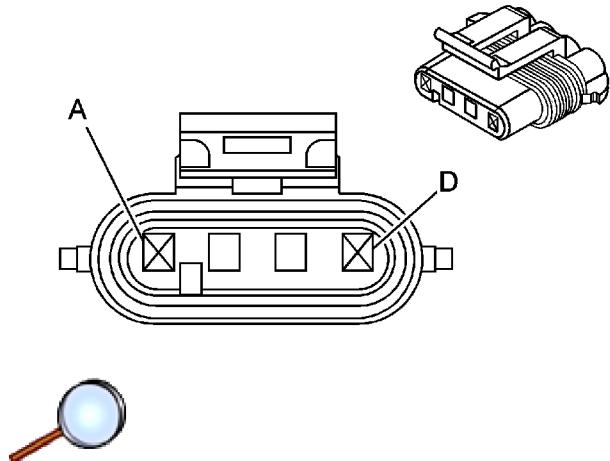
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Generator X1 (4.3L/5.3L)

Pin	Wire	Circuit	Function
1	0.5 OG	225	Generator Turn On Signal
2	0.5 GY	23	Generator Field Duty Cycle Signal

## Generator X1 (4.8L/6.0L/6.6L)



## Connector Part Information

- | OEM: 15355066
- | Service: 15355066
- | Description: 2-Way F Metri-Pack 150 Series Sealed (BG)

## Terminal Part Information

- | Terminal/Tray: 12048074/2
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Generator X1 (4.8L/6.0L/6.6L)

Pin	Wire	Circuit	Function
A	--	--	Not Used

B	0.5 OG	225	Generator Turn On Signal (4.3L/4.8L/5.3L/6.0L)
	0.8 OG	225	Generator Turn On Signal (6.6L)
C	0.5 GY	23	Generator Field Duty Cycle Signal (4.3L/4.8L/5.3L/6.0L)
	0.8 GY	23	Generator Field Duty Cycle Signal (6.6L)
D	--	--	Not Used

## Generator X2

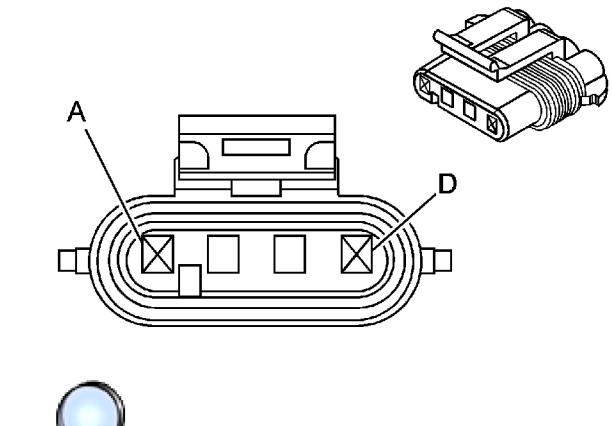
### Terminal Part Information

- | Terminal: 15355282
- | Core/Insulation Crimp: N/At
- | Description: Ring Terminal

## Generator X2

Pin	Wire	Circuit	Function
A	19 RD	1	Battery Positive Voltage

## Generator - Auxiliary X1 (KD9 with YF2)



### Connector Part Information

- | OEM: 15355066
- | Service: 15355066
- | Description: 2-Way F Metri-Pack 150 Series Sealed (BG)

### Terminal Part Information

- | Pins: B
- | Terminal/Tray: 12048074/2
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Generator - Auxiliary X1 (KD9 with YF2)

Pin	Wire	Circuit	Function
A	--	--	Not Used
B	0.8 BN/WH	7076	Charge Indicator Control
C	--	--	Not Used
D	--	--	Not Used

## Generator - Auxiliary X2 (KD9 with YF2)

### Terminal Part Information

- | Terminal: 15355282
- | Core/Insulation Crimp: N/A
- | Description: Ring Terminal

## Generator - Auxiliary X2 (KD9 with YF2)

Pin	Wire	Circuit	Function
A	19 RD	1	Battery Positive Voltage

## Glow Plug 1 (6.6L)

### Terminal Part Information

- | Terminal: 8917970
- | Core/Insulation Crimp: N/A
- | Description: Ring Terminal

## Glow Plug 1 (6.6L)

Pin	Wire	Circuit	Function
A	2 WH/RD	HB11	Glow Plug 1 Control

## Glow Plug 2 (6.6L)

### Terminal Part Information

- | Terminal: 8917970
- | Core/Insulation Crimp: N/A
- | Description: Ring Terminal

## Glow Plug 2 (6.6L)

Pin	Wire	Circuit	Function
A	2 WH/D-GN	HB12	Glow Plug 2 Control

## **Glow Plug 3 (6.6L)**

### **Terminal Part Information**

- | Terminal: 8917970
- | Core/Insulation Crimp: N/A
- | Description: Ring Terminal

## **Glow Plug 3 (6.6L)**

Pin	Wire	Circuit	Function
A	2 OG/BK	HB13	Glow Plug 3 Control

## **Glow Plug 4 (6.6L)**

### **Terminal Part Information**

- | Terminal: 8917970
- | Core/Insulation Crimp: N/A
- | Description: Ring Terminal

## **Glow Plug 4 (6.6L)**

Pin	Wire	Circuit	Function
A	2 WH/YE	HB14	Glow Plug 4 Control

## **Glow Plug 5 (6.6L)**

### **Terminal Part Information**

- | Terminal: 8917970
- | Core/Insulation Crimp: N/A
- | Description: Ring Terminal

## **Glow Plug 5 (6.6L)**

Pin	Wire	Circuit	Function
A	2 OG	HB15	Glow Plug 5 Control

## **Glow Plug 6 (6.6L)**

### **Terminal Part Information**

- | Terminal/Tray: 8917970
- | Core/Insulation Crimp: N/A
- | Description: Ring Terminal

## Glow Plug 6 (6.6L)

Pin	Wire	Circuit	Function
A	2 WH/L-GN	HB16	Glow Plug 6 Control

## Glow Plug 7 (6.6L)

### Terminal Part Information

- | Terminal: 8917970
- | Core/Insulation Crimp: N/A
- | Description: Ring Terminal

## Glow Plug 7 (6.6L)

Pin	Wire	Circuit	Function
A	2 PK	HB17	Glow Plug 7 Control

## Glow Plug 8 (6.6L)

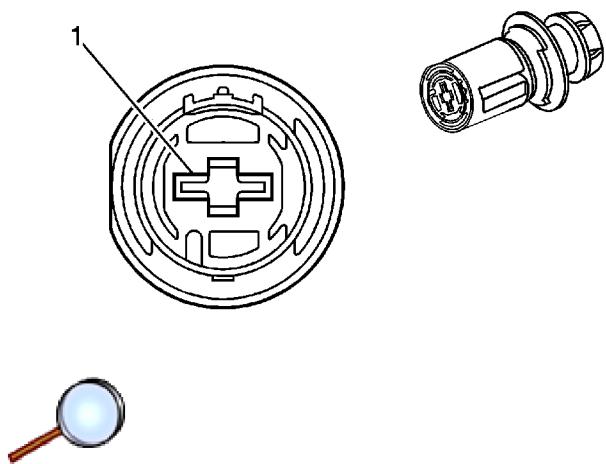
### Terminal Part Information

- | Terminal: 8917970
- | Core/Insulation Crimp: N/A
- | Description: Ring Terminal

## Glow Plug 8 (6.6L)

Pin	Wire	Circuit	Function
A	2 WH/RD	HB18	Glow Plug 8 Control

## Glow Plug Control Module (GPCM) X1 (6.6L)



## Connector Part Information

- | OEM: 15443870
- | Service: See Catalog
- | Description: 1-Way F Sealed (BK)

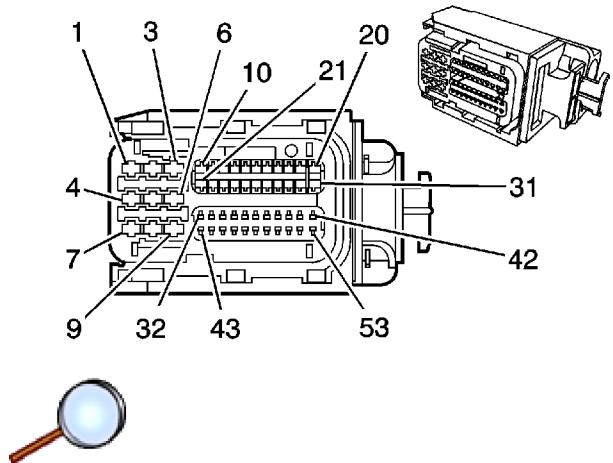
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Glow Plug Control Module (GPCM) X1 (6.6L)

Pin	Wire	Circuit	Function
1	8 RD	1	Battery Positive Voltage

## Glow Plug Control Module (GPCM) X2 (6.6L)



## Connector Part Information

- | OEM: 897386-6110
- | Service: 97386611
- | Description: 53-Way F MLK 1.2/SLK 2.8 Series, Sealed (BK)

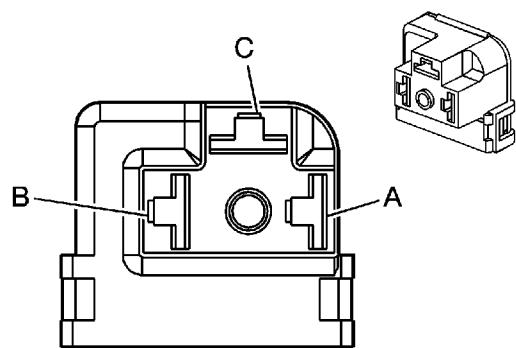
## Terminal Part Information

- | Pins: 1-4, 6-9
- | Terminal/Tray: 2 21 24 61420 0/15
- | Core/Insulation Crimp: K/K
- | Release Tool/Test Probe: 15381651-2/J-35616-16 (L-GN)
  
- | Pins: 26-31, 43-46, 51-53
- | Terminal/Tray: 2 21 24 47297 0/27
- | Core/Insulation Crimp: 4/C/1
- | Release Tool/Test Probe: 15314260/J-35616-4A (PU)

## Glow Plug Control Module (GPCM) X2 (6.6L)

Pin	Wire	Circuit	Function
1	2 OG/BK	HB13	Glow Plug 3 Control
2	2 WH/GN	HB12	Glow Plug 2 Control
3	2 WH/RD	HB11	Glow Plug 1 Control
4	2 WH/YE	HB14	Glow Plug 4 Control
5	--	--	Not Used
6	2 WH/RD	HB18	Glow Plug 8 Control
7	2 OG	HB15	Glow Plug 5 Control
8	2 WH/L-GN	HB16	Glow Plug 6 Control
9	2 PK	HB17	Glow Plug 7 Control
10-25	--	--	Not Used
26	0.75 YE	IC182	IAH Command 2
27	0.75 RD	IC185	IAH Feedback Signal
28	0.75 BK	IC180	IAH Temperature Signal
29	0.75 PK	IC183	IAH Current Signal
30	0.75 TN	IC184	IAH Voltage Signal
31	1 OG	IC181	IAH Command 1
32-42	--	--	Not Used
43	0.75 TN	HB01	High Speed GMLAN Serial Data Bus (-)
44	0.75 TN/BK	HB20	High Speed GMLAN Serial Data Bus (+)
45	0.75 TN	HB05	High Speed GMLAN Serial Data Bus (-)
46	0.75 TN/BK	HB06	High Speed GMLAN Serial Data Bus (+)
47-50	--	--	Not Used
51	0.75 RD	HB03	Ground
52	0.75 PK	HB02	Ignition Voltage
53	1 PK	HB04	Accessory Wakeup Serial Data

## Headlamp - Left (Sealed)





## Connector Part Information

- | OEM: 12034372
- | Service: 12117369
- | Description: 3-Way F Metri-Pack 800 Series (BK)

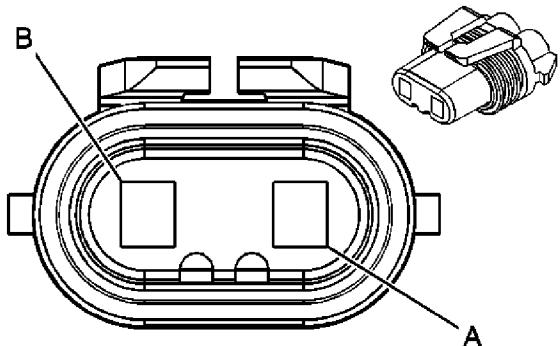
## Terminal Part Information

- | Pins: A-C
- | Terminal/Tray: 12020634/18
- | Core/Insulation Crimp: Pins A, B - C/A
- | Core/Insulation Crimp: Pins C - See Terminal Repair Kit
- | Release Tool/Test Probe: 12150860/J-35616-44 (YE)

## Headlamp - Left (Sealed)

Pin	Wire	Circuit	Function
A	0.5 BK	250	Ground
B	0.5 D-GN/WH	711	Left Headlamp High Beam Control
C	0.35 YE	712	Left Headlamp Low Beam Control

## Headlamp - Left High Beam (Composite)



## Connector Part Information

- | OEM: 12059183
- | Service: 12101898
- | Description: 2-Way F Metri-Pack 280 Series Sealed (BK)

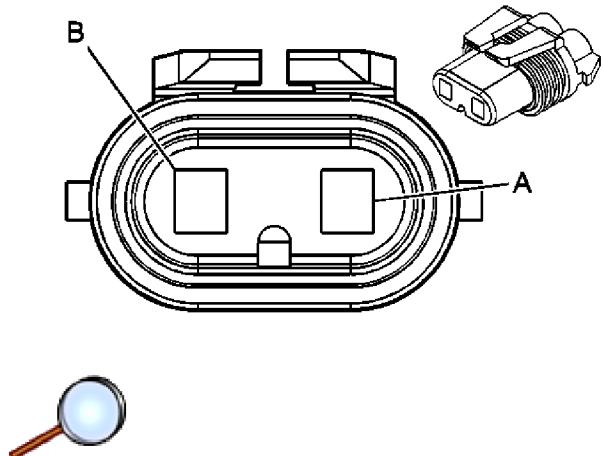
## Terminal Part Information

- | Terminal/Tray: 12077411/2
- | Core/Insulation Crimp: 2/5
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)

## Headlamp - Left High Beam (Composite)

Pin	Wire	Circuit	Function
A	0.5 D-GN/WH	711	Left Headlamp High Beam Control
B	0.8 BK	250	Ground

## Headlamp - Left Low Beam (Composite)



### **Connector Part Information**

- | OEM: 12059181
- | Service: 12101897
- | Description: 2-Way F Metri-Pack 280 Series Sealed (GY)

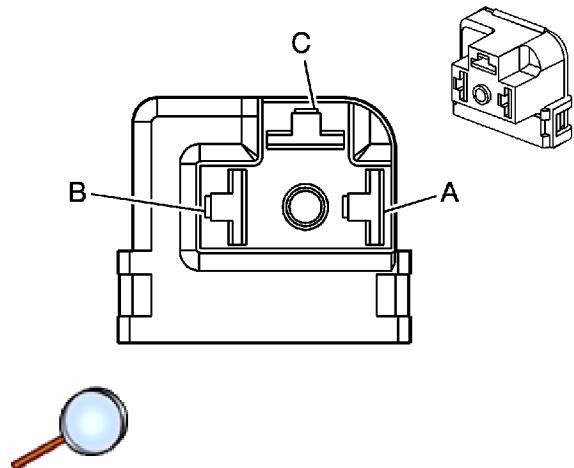
### **Terminal Part Information**

- | Terminal/Tray: 12077411/2
- | Core/Insulation Crimp: 2/5
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)

## Headlamp - Left Low Beam (Composite)

Pin	Wire	Circuit	Function
A	0.5 YE	712	Left Headlamp Low Beam Control
B	0.8 BK	250	Ground

## Headlamp - Right (Sealed)



## Connector Part Information

- | OEM: 12034372
- | Service: 12117369
- | Description: 3-Way F Metri-Pack 800 Series (BK)

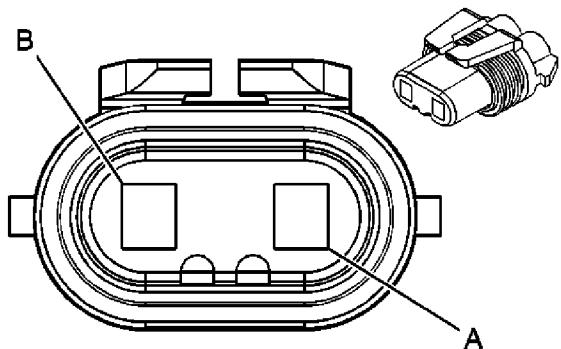
## Terminal Part Information

- | Pins: A-C
- | Terminal/Tray: 12020634/18
- | Core/Insulation Crimp: Pins A, B - C/A
- | Core/Insulation Crimp: Pins C - See Terminal Repair Kit
- | Release Tool/Test Probe: 12150860/J-35616-44 (YE)

## Headlamp - Right (Sealed)

Pin	Wire	Circuit	Function
A	0.5 BK	650	Ground
B	0.8 L-GN/BK	311	Right Headlamp High Beam Control
C	0.35 TN/WH	312	Right Headlamp Low Beam Control

## Headlamp - Right High Beam (Composite)





## Connector Part Information

- | OEM: 12059183
- | Service: 12101898
- | Description: 2-Way F Metri-Pack 280 Series Sealed (BK)

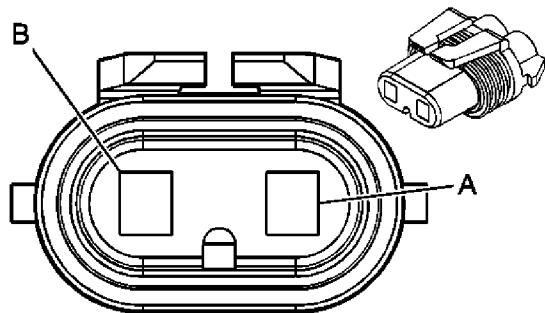
## Terminal Part Information

- | Terminal/Tray: 12077411/2
- | Core/Insulation Crimp: 2/5
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)

## Headlamp - Right High Beam (Composite)

Pin	Wire	Circuit	Function
A	0.8 L-GN/BK	311	Right Headlamp High Beam Control
B	0.8 BK	650	Ground

## Headlamp - Right Low Beam (Composite)



## Connector Part Information

- | OEM: 12059181
- | Service: 12101897
- | Description: 2-Way F Metri-Pack 280 Series Sealed (GY)

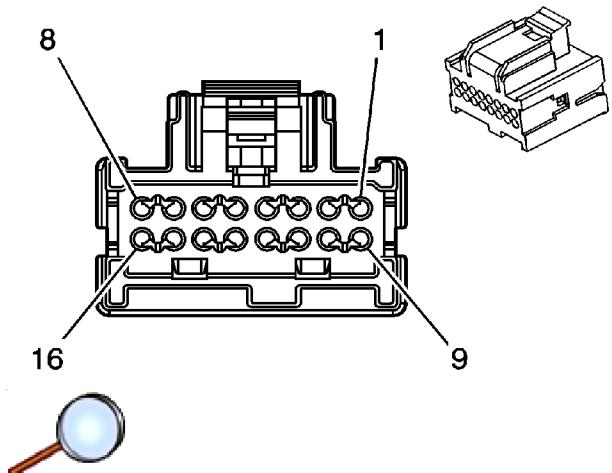
## Terminal Part Information

- | Terminal/Tray: 12077411/2
- | Core/Insulation Crimp: 2/5
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)

## Headlamp - Right Low Beam (Composite)

Pin	Wire	Circuit	Function
A	0.5 TN/WH	312	Right Headlamp Low Beam Control
B	0.8 BK	650	Ground

## Headlamp and Panel Dimmer Switch



### Connector Part Information

- | OEM: 15416970
- | Service: See Catalog
- | Description: 16-Way F Micro-Pack 64 Series (BK)

### Terminal Part Information

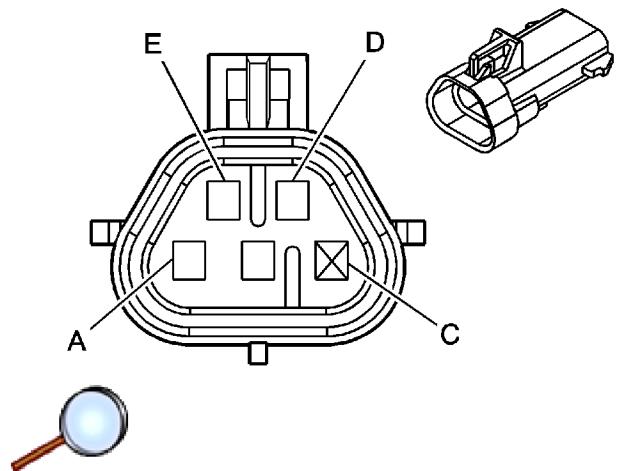
- | Pins: 1-3, 7-9, 12, 13, 15
- | Terminal/Tray: 15359541/4
- | Core/Insulation Crimp: M/M
- | Release Tool/Test Probe: 15381651-2/J-35616-64B (L-BU)

## Headlamp and Panel Dimmer Switch

Pin	Wire	Circuit	Function
1	0.35 WH	103	Headlamp Switch Headlamps On Signal
2	0.35 L-BU	13	Headlamp Switch Park Lamps Signal
3	0.35 D-GN	306	Headlamp Switch Headlamps Off Signal
4-6	--	--	Not Used
7	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control
8	0.5 BK/WH	351	Ground
9	0.35 PU	328	Interior Lamp Defeat Switch Signal
10-11	--	--	Not Used
12	0.35 D-BU/WH	149	Courtesy Lamp Control
13	0.35 D-GN	44	Instrument Panel Lamps Dimmer Switch Signal
14	--	--	Not Used

15	0.35 OG/WH	812	IP Dimming Voltage Reference
16	--	--	Not Used

## Heated Oxygen Sensor (HO2S) - Bank 1 Sensor 1



### Connector Part Information

- | OEM: 12092840
- | Service: 12092840
- | Description: 4-Way M Metri-Pack 150 Series Sealed (GY)

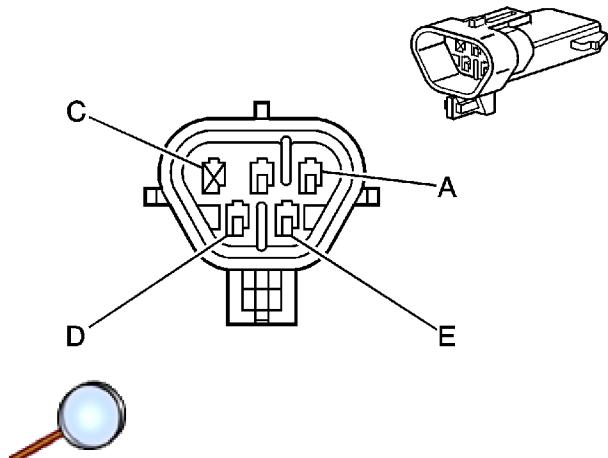
### Terminal Part Information

- | Terminal/Tray: 12045773/2
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 12094429/J-35616-3 (GY)

## Heated Oxygen Sensor (HO2S) - Bank 1 Sensor 1

Pin	Wire	Circuit	Function
A	0.8 TN	1664	Heated Oxygen Sensor (HO2S) Low Signal - Bank 1 Sensor 1
B	0.8 PU/WH	1665	Heated Oxygen Sensor (HO2S) High Signal - Bank 1 Sensor 1
C	--	--	Not Used
D	0.8 PK	539	Ignition Voltage
E	0.8 GY/WH	3113	Heated Oxygen Sensor (HO2S) Heater Low Control - Bank 1 Sensor 1

## Heated Oxygen Sensor (HO2S) - Bank 1 Sensor 2



## Connector Part Information

- | OEM: 12092839
- | Service: 12092839
- | Description: 4-Way M Metri-Pack 150 Series Sealed (BK)

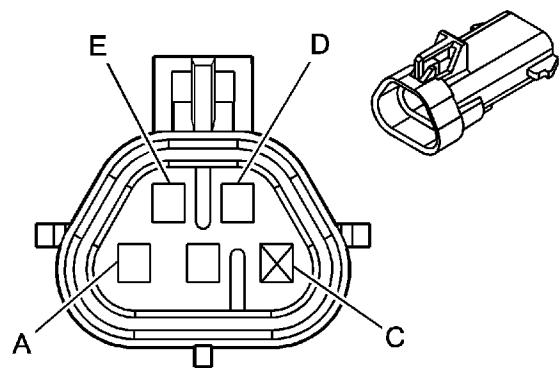
## Terminal Part Information

- | Terminal/Tray: 12045773/2
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 12094429/J-35616-3 (GY)

## Heated Oxygen Sensor (HO2S) - Bank 1 Sensor 2

Pin	Wire	Circuit	Function
A	0.8 TN/WH	1669	Heated Oxygen Sensor (HO2S) Low Signal - Bank 1 Sensor 2
B	0.8 PU/WH	1668	Heated Oxygen Sensor (HO2S) High Signal - Bank 1 Sensor 2
C	--	--	Not Used
D	0.8 PK	1539	Ignition Voltage
E	0.8 GY/WH	3122 2	Heated Oxygen Sensor (HO2S) Heater Low Control - Bank 1 Sensor 2

## Heated Oxygen Sensor (HO2S) - Bank 2 Sensor 1





## Connector Part Information

- | OEM: 12092840
- | Service: 12092840
- | Description: 4-Way M Metri-Pack 150 Series Sealed (GY)

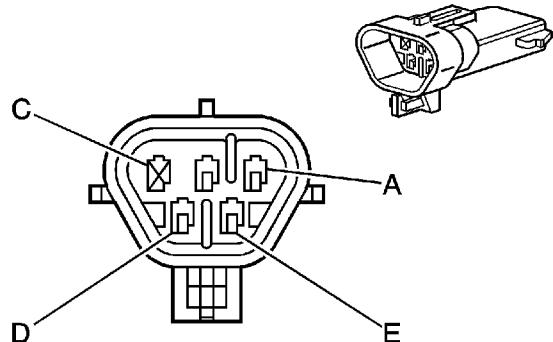
## Terminal Part Information

- | Terminal/Tray: 12045773/2
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 12094429/J-35616-3 (GY)

## Heated Oxygen Sensor (HO2S) - Bank 2 Sensor 1

Pin	Wire	Circuit	Function
A	0.8 TN	1667	Heated Oxygen Sensor (HO2S) Low Signal - Bank 2 Sensor 1
B	0.8 PU	1666	Heated Oxygen Sensor (HO2S) High Signal - Bank 2 Sensor 1
C	--	--	Not Used
D	0.8 PK	539	Ignition Voltage
E	0.8 L-GN	3212	Heated Oxygen Sensor (HO2S) Heater Low Control - Bank 2 Sensor 1

## Heated Oxygen Sensor (HO2S) - Bank 2 Sensor 2



## Connector Part Information

- | OEM: 12092839
- | Service: 12092839
- | Description: 4-Way M Metri-Pack 150 Series Sealed (BK)

## Terminal Part Information

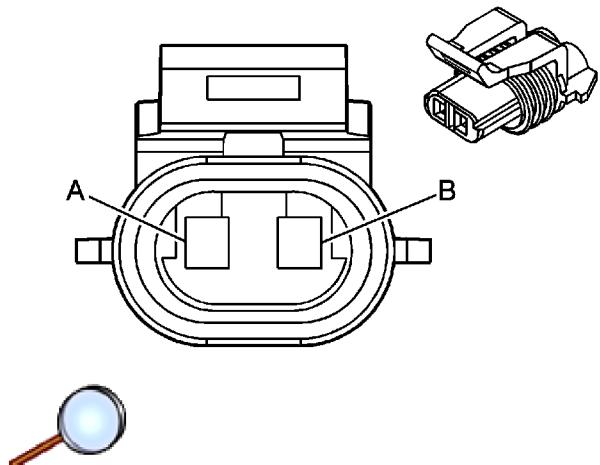
- | Terminal/Tray: 12045773/2
- | Core/Insulation Crimp: E/1

| Release Tool/Test Probe: 12094429/J-35616-3 (GY)

## Heated Oxygen Sensor (HO2S) - Bank 2 Sensor 2

Pin	Wire	Circuit	Function
A	0.8 TN	1671	Heated Oxygen Sensor (HO2S) Low Signal - Bank 2 Sensor 2
B	0.8 PU	1670	Heated Oxygen Sensor (HO2S) High Signal - Bank 2 Sensor 2
C	--	--	Not Used
D	0.8 PK	1539	Ignition Voltage
E	0.8 OG/WH	3223	Heated Oxygen Sensor (HO2S) Heater Low Control - Bank 2 Sensor 2

## Horn Assembly



### Connector Part Information

- | OEM: 12052644
- | Service: 12052644
- | Description: 2-Way F Metri-Pack 150 Series Sealed (GY)

### Terminal Part Information

- | Terminal/Tray: 12048074/2
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Horn Assembly

Pin	Wire	Circuit	Function
A	0.8 BK	1250	Ground
B	0.8 D-GN	29	Horn Control

## Horn Switch X1

## Connector Part Information

- | OEM: 12052018
- | Service: See Catalog
- | Description: 1-Way F

## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

### Horn Switch X1

Pin	Wire	Circuit	Function
A	0.35 OG	28	Horn Relay Control

### Horn Switch X2

## Connector Part Information

- | OEM: 12052018
- | Service: See Catalog
- | Description: 1-Way F

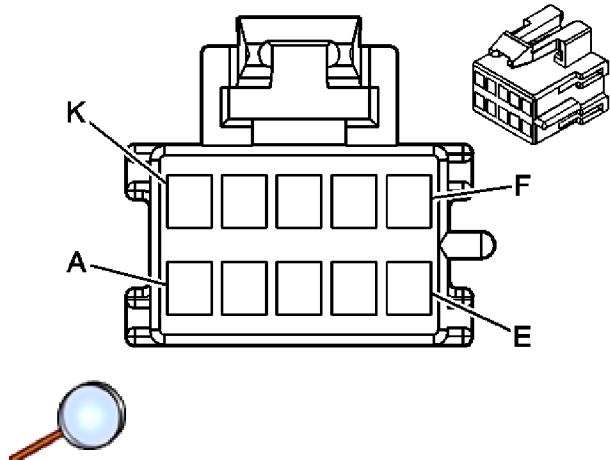
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

### Horn Switch X2

Pin	Wire	Circuit	Function
A	0.35 BK	350	Ground
	0.35 BK	350	Ground
	0.35 BK	350	Ground

## HVAC Control Assembly - Front Auxiliary (C69 without Rear Auxiliary Controls)



## Connector Part Information

- | OEM: 12064871
- | Service: 12101832
- | Description: 10-Way F Metri-Pack 150 Series (BU)

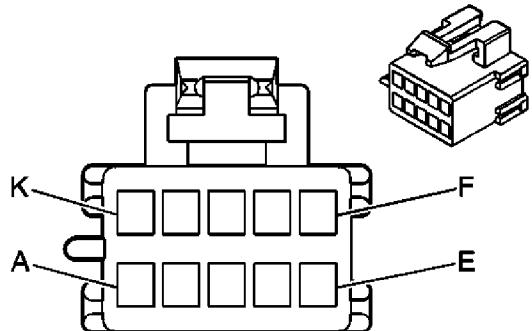
## Terminal Part Information

- | Pins: A-H, J
- | Terminal/Tray: 12064971/5
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## HVAC Control Assembly - Front Auxiliary (C69 without Rear Auxiliary Controls)

Pin	Wire	Circuit	Function
A	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control
B	0.35 BK	1850	Ground
C	0.5 D-BU	1926	Auxiliary Blower Motor Low Control
D	0.5 WH	1924	Auxiliary Blower Motor High Control
E	0.5 OG	1925	Auxiliary Blower Motor Medium Control
F	0.35 BK	1850	Ground
G	0.35 BN	341	Ignition Voltage
H	0.35 OG	2775	Auxiliary Air Temperature Door Control
J	0.35 GY	2599	Auxiliary Mode Door Control
K	--	--	Not Used

## HVAC Control Assembly - Front Auxiliary (C69 with Rear Auxiliary Controls)



## Connector Part Information

- | OEM: 12064769
- | Service: 12101762
- | Description: 10-Way F Metri-Pack 150 Series (NA)

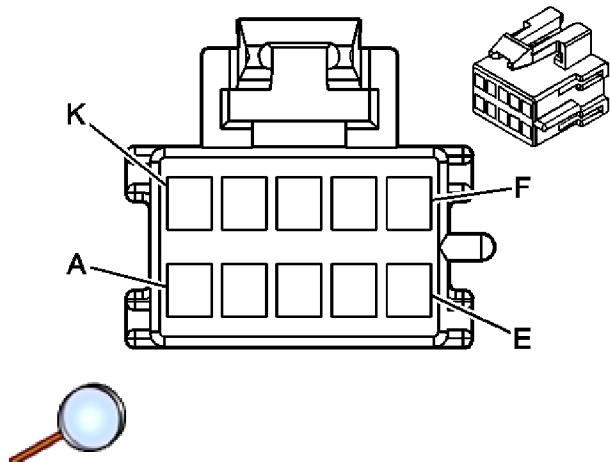
## Terminal Part Information

- | Pins: A-H, J
- | Terminal/Tray: 12064971/5
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## HVAC Control Assembly - Front Auxiliary (C69 with Rear Auxiliary Controls)

Pin	Wire	Circuit	Function
A	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control
B	0.35 BK	1850	Ground
C	0.5 D-BU	1926	Auxiliary Blower Motor Low Control
D	0.5 WH	1924	Auxiliary Blower Motor High Control
E	0.5 OG	1925	Auxiliary Blower Motor Medium Control
F	0.35 YE	5262	Front Auxiliary Blower Motor Switch Control
G	0.35 BN	341	Ignition Voltage
H	0.35 PU	5260	Front Auxiliary Air Temperature Door Control
J	0.35 TN	5261	Front Auxiliary Mode Door Control
K	--	--	Not Used

## HVAC Control Assembly - Rear Auxiliary (C69 with Rear Auxiliary Controls)



## Connector Part Information

- | OEM: 12064871
- | Service: 12064871
- | Description: 10-Way F Metri-Pack 150 Series (BU)

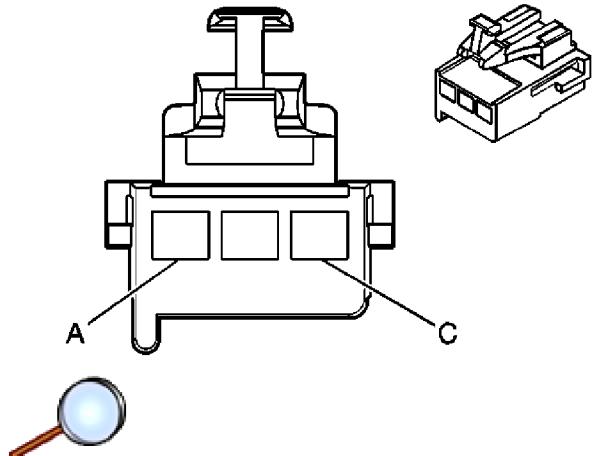
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## HVAC Control Assembly - Rear Auxiliary (C69 with Rear Auxiliary Controls)

Pin	Wire	Circuit	Function
A	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control
B	0.5 BK	1050	Ground
C	0.5 D-BU	1926	Auxiliary Blower Motor Low Control
D	0.5 WH	1924	Auxiliary Blower Motor High Control
E	0.5 OG	1925	Auxiliary Blower Motor Medium Control
F	0.35 PK/BK	5265	Rear Auxiliary Blower Motor Switch Control
G	0.35 BN	341	Ignition Voltage
H	0.35 BN	5263	Rear Auxiliary Air Temperature Door Control
J	0.35 PU/WH	5264	Rear Auxiliary Mode Door Control
K	--	--	Not Used

## HVAC Control Assembly X1



## Connector Part Information

- | OEM: 12129489
- | Service: 12129489
- | Description: 3-Way F Metri-Pack 280 Series Flexlock (BK)

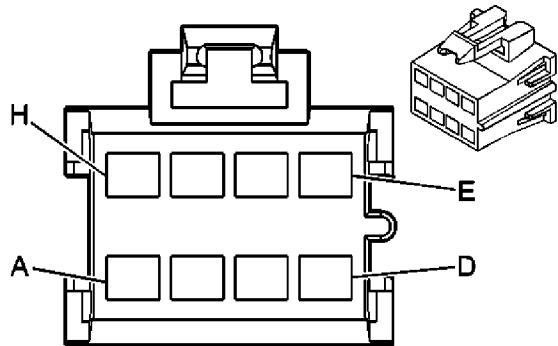
## Terminal Part Information

- | Pins: C
- | Terminal/Tray: 12110844/4
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)
  
- | Pins: A, B
- | Terminal/Tray: 12110844/4
- | Core/Insulation Crimp: Pins A - C/A
- | Core/Insulation Crimp: Pins B - E/A
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## HVAC Control Assembly X1

Pin	Wire	Circuit	Function
A	1 WH	119	Blower Motor Switch Control
B	0.5 BK	550	Ground
C	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control

## HVAC Control Assembly X2



## Connector Part Information

- | OEM: 12064998
- | Service: 15306189
- | Description: 8-Way F Metri-Pack 280 Series (BK)

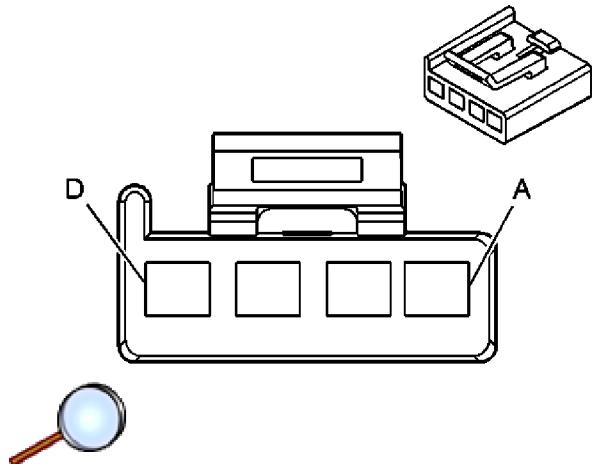
## Terminal Part Information

- | Pins: H
- | Terminal/Tray: 12034046/2
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)
  
- | Pins: A-G
- | Terminal/Tray: 12066214/2
- | Core/Insulation Crimp: Pins A-D, F - See Terminal Repair Kit
- | Core/Insulation Crimp: Pins E, G - F/D
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)

## HVAC Control Assembly X2

Pin	Wire	Circuit	Function
A	0.8 YE	60	Blower Motor Low Control
B	0.8 TN	63	Blower Motor Medium Control
C	0.8 L-BU	72	Medium 2 Blower Motor Control
D	0.8 OG	52	Blower Motor High Control
E	1 BN	141	Ignition Voltage
F	0.8 L-BU	733	Air Temperature Door Control
G	1 WH	119	Blower Motor Switch Control
H	0.5 D-GN/WH	762	A/C Request Signal (C60)

## HVAC Control Assembly X3



## Connector Part Information

- | OEM: 12052856
- | Service: 12125636
- | Description: 4-Way F Metri-Pack 280 Series (BK)

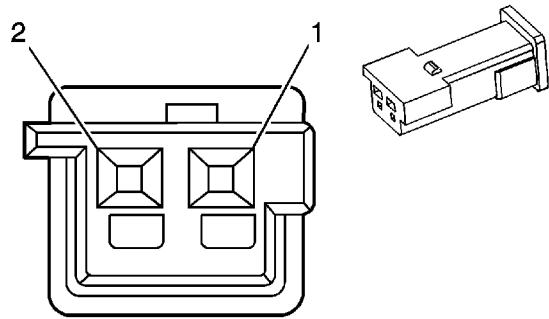
## Terminal Part Information

- | Pins: A
  - | Terminal/Tray: 12066214/2
  - | Core/Insulation Crimp: See Terminal Repair Kit
  - | Release Tool/Test Probe: 12094430/J-35616-4A (PU)
  
- | Pins: B-D
  - | Terminal/Tray: 12034046/2
  - | Core/Insulation Crimp: E/A
  - | Release Tool/Test Probe: 12094430/J-35616-4A (PU)

## HVAC Control Assembly X3

Pin	Wire	Circuit	Function
A	0.8 RD/WH	4440	Battery Positive Voltage (C49/DE5/DE7)
B	0.35 BN	341	Ignition Voltage
C	0.5 BK	550	Ground
D	0.35 WH	193	Rear Defog Relay Control (C49/DE5/DE7)

## HVAC Control Assembly X4 (C60)



### Connector Part Information

- | OEM: 15318080
- | Service: 21019410
- | Description: 2-Way F Metri-Pack 280 Series

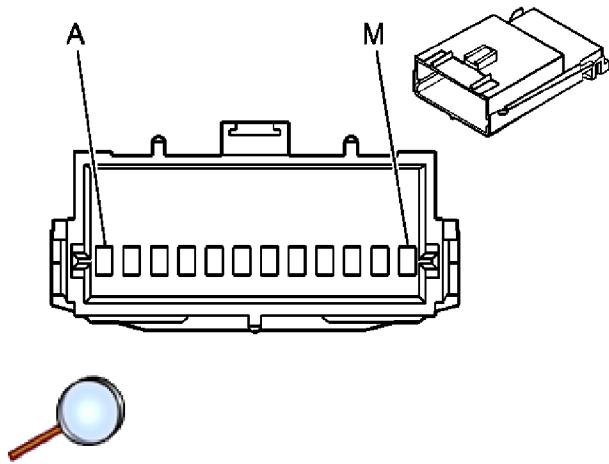
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

### HVAC Control Assembly X4 (C60)

Pin	Wire	Circuit	Function
1	0.5 L-GN	66	A/C Request Signal
2	0.5 D-GN/WH	762	A/C Request Signal

### HVAC Control Module - Auxiliary (C69 with Rear Auxiliary Controls)



## Connector Part Information

- | OEM: 12040747
- | Service: 12101938
- | Description: 12-Way P/C Edgeboard - Standard (BK)

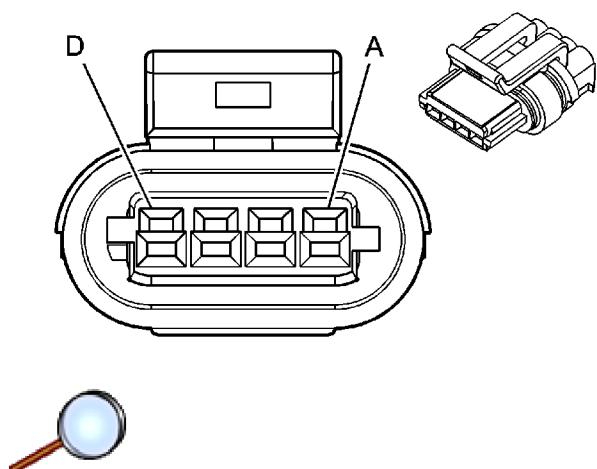
## Terminal Part Information

- | Pins: A-F, H, J, L, M
- | Terminal/Tray: 12040511/3
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 12094429/J-35616-4A (PU)

## HVAC Control Module - Auxiliary (C69 with Rear Auxiliary Controls)

Pin	Wire	Circuit	Function
A	0.35 PU	5260	Front Auxiliary Air Temperature Door Control
B	0.35 OG	2775	Auxiliary Air Temperature Door Control
C	0.5 BN	5263	Rear Auxiliary Air Temperature Door Control
D	0.5 PU/WH	5264	Rear Auxiliary Mode Door Control
E	0.35 TN	5261	Front Auxiliary Mode Door Control
F	0.35 GY	2599	Auxiliary Mode Door Control
G	--	--	Not Used
H	0.35 BK	1850	Ground
J	0.35 BN	341	Ignition Voltage
K	--	--	Not Used
L	0.5 PK/BK	5265	Rear Auxiliary Blower Motor Switch Control
M	0.35 YE	5262	Front Auxiliary Blower Motor Switch Control

## Ignition Coil 1 (4.8L/5.3L/6.0L)



## Connector Part Information

- | OEM: 15439568
- | Service: 88987184
- | Description: 4-Way F GT 150 Series Sealed (BK)

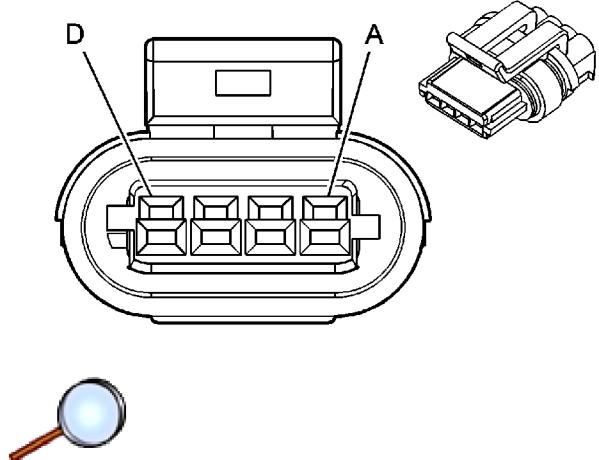
## Terminal Part Information

- | Pins: A, D
- | Terminal/Tray: 15326267/19
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)
  
- | Pins: B, C
- | Terminal/Tray: 15326267/19
- | Core/Insulation Crimp: E/4
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Ignition Coil 1 (4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
A	0.8 BK	350	Ground
B	0.5 BN	2129	Low Reference
C	0.5 PU	2121	Ignition Coil 1 Control
D	0.8 PK	1039	Ignition Voltage

## Ignition Coil 2 (4.8L/5.3L/6.0L)



## Connector Part Information

- | OEM: 15439568
- | Service: 88987184
- | Description: 4-Way F GT 150 Series Sealed (BK)

## Terminal Part Information

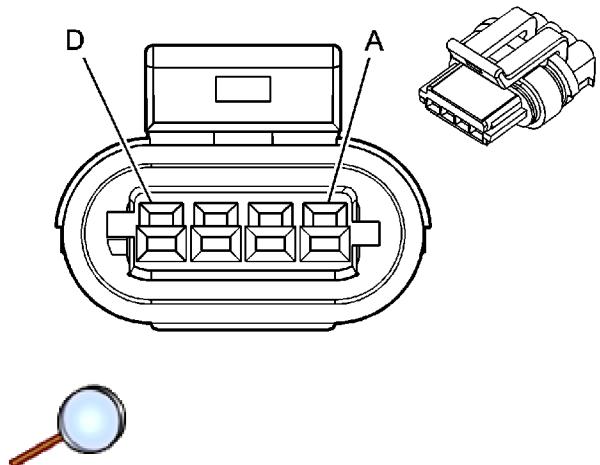
- | Pins: A, D

- | Terminal/Tray: 15326267/19
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)
  
- | Pins: B, C
- | Terminal/Tray: 15326267/19
- | Core/Insulation Crimp: E/4
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## **Ignition Coil 2 (4.8L/5.3L/6.0L)**

Pin	Wire	Circuit	Function
A	0.8 BK	350	Ground
B	0.5 BN	2130	Low Reference
C	0.5 RD	2122	Ignition Coil 2 Control
D	0.8 PK	1239	Ignition Voltage

## **Ignition Coil 3 (4.8L/5.3L/6.0L)**



### **Connector Part Information**

- | OEM: 15439568
- | Service: 88987184
- | Description: 4-Way F GT 150 Series Sealed (BK)

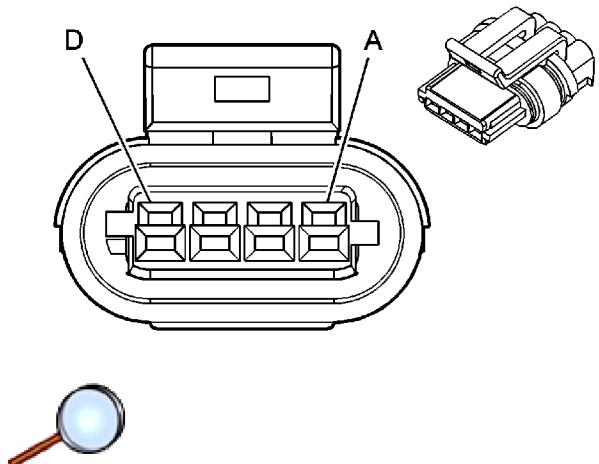
### **Terminal Part Information**

- | Pins: A, D
- | Terminal/Tray: 15326267/19
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)
  
- | Pins: B, C
- | Terminal/Tray: 15326267/19
- | Core/Insulation Crimp: E/4
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Ignition Coil 3 (4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
A	0.8 BK	350	Ground
B	0.5 BN	2129	Low Reference
C	0.5 L-BU	2123	Ignition Coil 3 Control
D	0.8 PK	1039	Ignition Voltage

## Ignition Coil 4 (4.8L/5.3L/6.0L)



### Connector Part Information

- | OEM: 15439568
- | Service: 88987184
- | Description: 4-Way F GT 150 Series Sealed (BK)

### Terminal Part Information

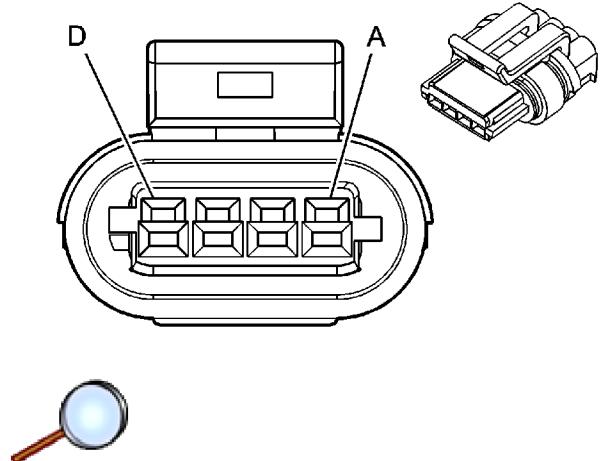
- | Pins: A, D
- | Terminal/Tray: 15326267/19
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)
  
- | Pins: B, C
- | Terminal/Tray: 15326267/19
- | Core/Insulation Crimp: E/4
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Ignition Coil 4 (4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
A	0.8 BK	350	Ground
B	0.5 BN	2130	Low Reference
C	0.5 D-GN	2124	Ignition Coil 4 Control

D	0.8 PK	1239	Ignition Voltage
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## Ignition Coil 5 (4.8L/5.3L/6.0L)



### Connector Part Information

- | OEM: 15439568
- | Service: 88987184
- | Description: 4-Way F GT 150 Series Sealed (BK)

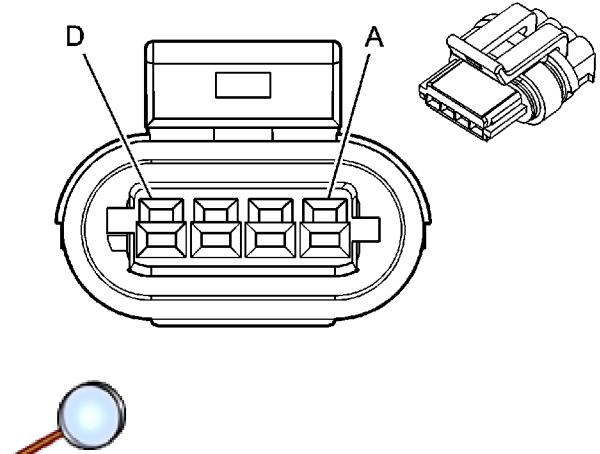
### Terminal Part Information

- | Pins: A, D
- | Terminal/Tray: 15326267/19
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)
  
- | Pins: B, C
- | Terminal/Tray: 15326267/19
- | Core/Insulation Crimp: E/4
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Ignition Coil 5 (4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
A	0.8 BK	350	Ground
B	0.5 BN	2129	Low Reference
C	0.5 D-GN	2125	Ignition Coil 5 Control
D	0.8 PK	1039	Ignition Voltage

## Ignition Coil 6 (4.8L/5.3L/6.0L)



## Connector Part Information

- | OEM: 15439568
- | Service: 88987184
- | Description: 4-Way F GT 150 Series Sealed (BK)

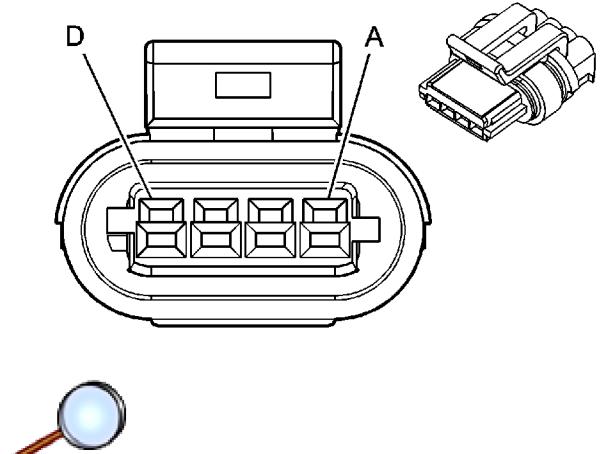
## Terminal Part Information

- | Pins: A, D
- | Terminal/Tray: 15326267/19
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)
  
- | Pins: B, C
- | Terminal/Tray: 15326267/19
- | Core/Insulation Crimp: E/4
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Ignition Coil 6 (4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
A	0.8 BK	350	Ground
B	0.5 BN	2130	Low Reference
C	0.5 L-BU	2126	Ignition Coil 6 Control
D	0.8 PK	1239	Ignition Voltage

## Ignition Coil 7 (4.8L/5.3L/6.0L)



## Connector Part Information

- | OEM: 15439568
- | Service: 88987184
- | Description: 4-Way F GT 150 Series Sealed (BK)

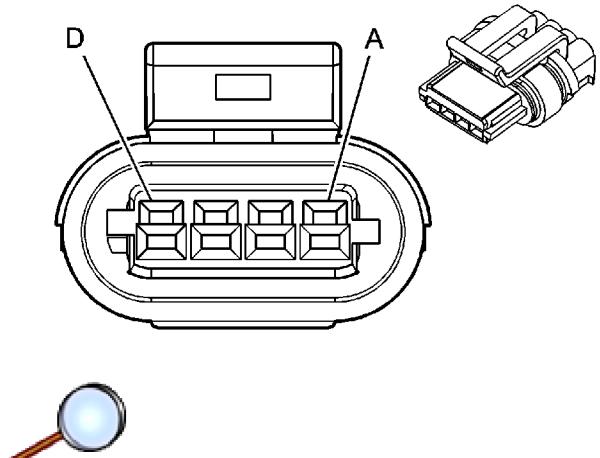
## Terminal Part Information

- | Pins: A, D
- | Terminal/Tray: 15326267/19
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)
  
- | Pins: B, C
- | Terminal/Tray: 15326267/19
- | Core/Insulation Crimp: E/4
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Ignition Coil 7 (4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
A	0.8 BK	350	Ground
B	0.5 BN	2129	Low Reference
C	0.5 RD	2127	Ignition Coil 7 Control
D	0.8 PK	1039	Ignition Voltage

## Ignition Coil 8 (4.8L/5.3L/6.0L)



## Connector Part Information

- | OEM: 15439568
- | Service: 88987184
- | Description: 4-Way F GT 150 Series Sealed (BK)

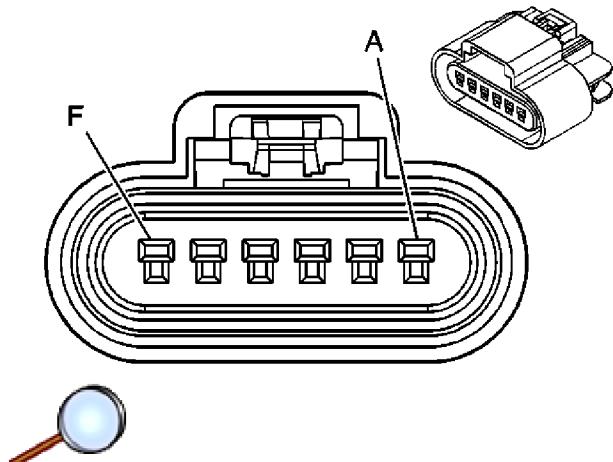
## Terminal Part Information

- | Pins: A, D
- | Terminal/Tray: 15326267/19
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)
  
- | Pins: B, C
- | Terminal/Tray: 15326267/19
- | Core/Insulation Crimp: E/4
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Ignition Coil 8 (4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
A	0.8 BK	350	Ground
B	0.5 BN	2130	Low Reference
C	0.5 PU	2128	Ignition Coil 8 Control
D	0.8 PK	1239	Ignition Voltage

## Ignition Control Module (ICM) (4.3L)



## Connector Part Information

- | OEM: 15397577
- | Service: 88988944
- | Description: 6-Way F GT 150 Sealed (BK)

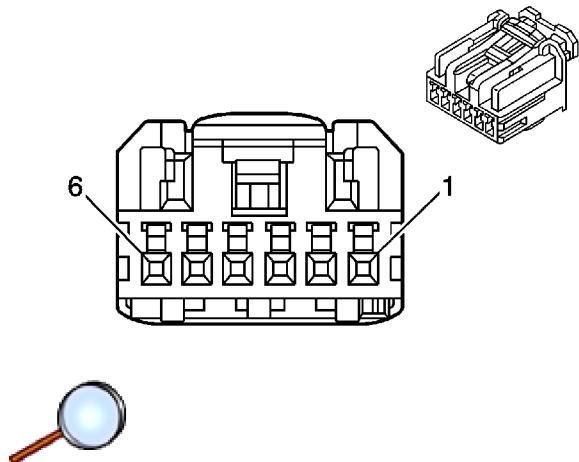
## Terminal Part Information

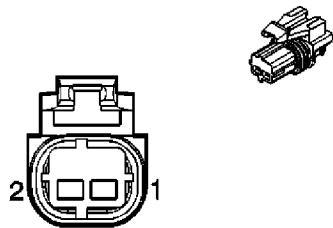
- | Pins: A-F
- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: Pins A-D - E/A
- | Core/Insulation Crimp: Pins E, F - 2/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## **Ignition Control Module (ICM) (4.3L)**

Pin	Wire	Circuit	Function
A	0.5 OG/WH	2122	Ignition Coil 2 Control
B	0.5 PU	2121	Ignition Coil 1 Control
C	0.5 L-BU	2123	Ignition Coil 3 Control
D	0.5 BN	2129	Low Reference
E	0.8 BK	1250	Ground
F	0.8 PK	1039	Ignition Voltage

## **Ignition Switch**





### Connector Part Information

- | OEM: 15356716
- | Service: 15358601
- | Description: 2-Way F Sealed (YE)

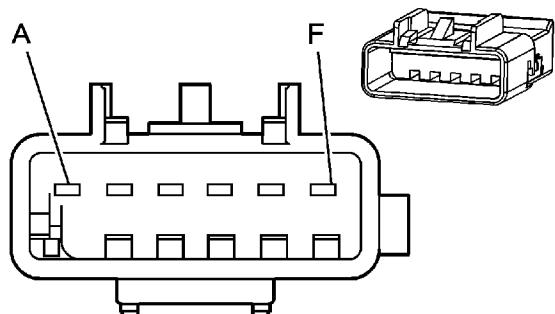
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

### Inflatable Restraint Front End Sensor

Pin	Wire	Circuit	Function
1	0.5 D-BU/WH	6619	Low Reference
2	0.5 BN/WH	6618	Discriminating Sensor Signal

### Inflatable Restraint Front Passenger Presence System (PPS) Sensor (Light Duty without YF7)



## Connector Part Information

- | OEM: 15332142
- | Service: 15332142
- | Description: 6-Way M GT 150/280 Series Sealed (BK)

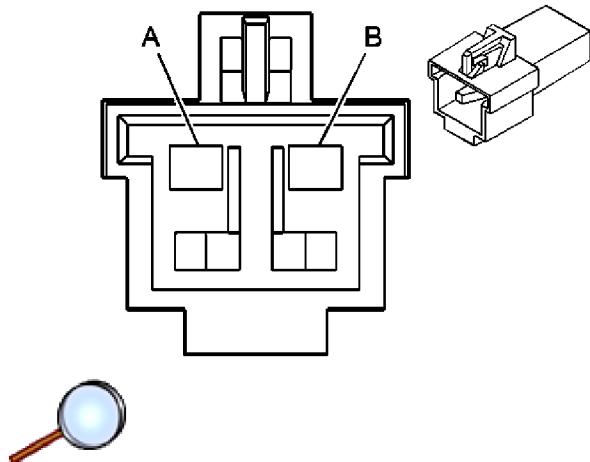
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Inflatable Restraint Front Passenger Presence System (PPS) Sensor (Light Duty without YF7)

Pin	Wire	Circuit	Function
A	0.5 RD/WH	3440	Battery Positive Voltage
B	--	--	Not Used
C	0.5 D-GN	5060	Low Speed GMLAN Serial Data
D	0.5 BK/WH	1751	Ground
E-F	--	--	Not Used

## Inflatable Restraint I/P Module (Heavy Duty)



## Connector Part Information

- | OEM: 15358601
- | Service: 15358601
- | Description: 2-Way M Metri-Pack 280 Series (YE)

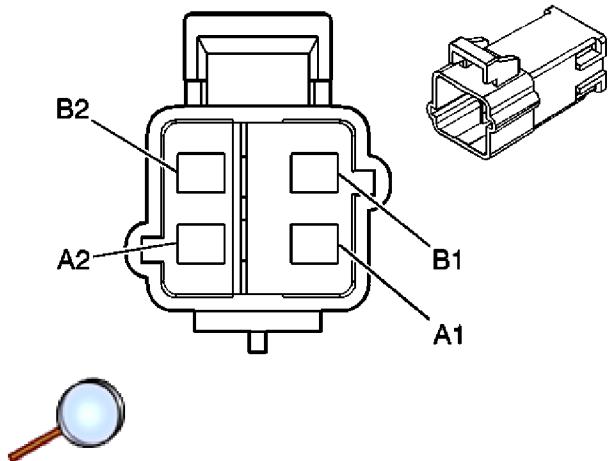
## Terminal Part Information

- | Terminal/Tray: Service with Pigtail
- | Core/Insulation Crimp: N/A
- | Release Tool/Test Probe: 12094429/J-35616-5 (PU)

## Inflatable Restraint I/P Module (Heavy Duty)

Pin	Wire	Circuit	Function
A	0.5 YE	3025	Instrument Panel Module - Stage 1 - High Control
B	0.5 OG	3024	Instrument Panel Module - Stage 1 - Low Control

## Inflatable Restraint I/P Module (Light Duty)



### Connector Part Information

- | OEM: 15336476
- | Service: 15336476
- | Description: 4-Way M Metri-Pack 280 Series (YE)

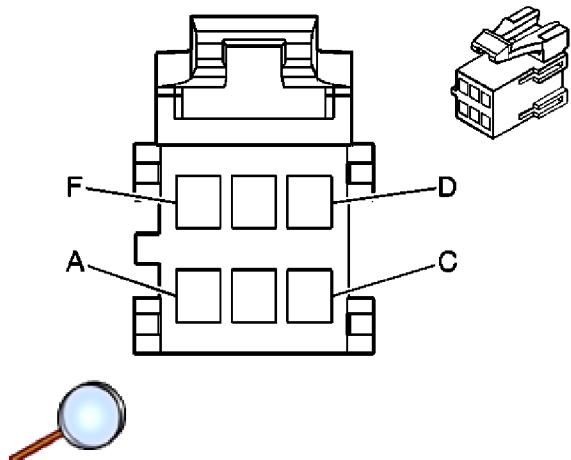
### Terminal Part Information

- | Terminal/Tray: Service with Pigtail
- | Core/Insulation Crimp: N/A
- | Release Tool/Test Probe: 12094430/J-35616-5 (PU)

## Inflatable Restraint I/P Module (Light Duty)

Pin	Wire	Circuit	Function
A1	0.5 YE	3025	Instrument Panel Module - Stage 1 - High Control
A2	0.5 OG	3024	Instrument Panel Module - Stage 1 - Low Control
B1	0.5 GY	3027	Instrument Panel Module - Stage 2 - High Control
B2	0.5 PU	3026	Instrument Panel Module - Stage 2 - Low Control

## Inflatable Restraint I/P Module Disable Switch (C99)



## Connector Part Information

- | OEM: 15305286
- | Service: 15305286
- | Description: 6-Way F Metri-Pack 150 Series (YE)

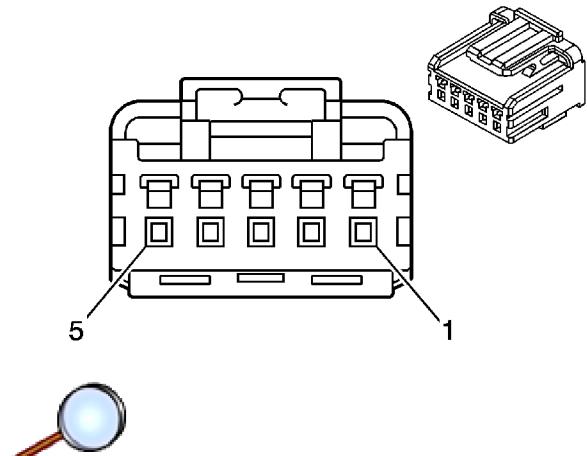
## Terminal Part Information

- | Terminal/Tray: Service with Pigtail
- | Core/Insulation Crimp: N/A
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Inflatable Restraint I/P Module Disable Switch (C99)

Pin	Wire	Circuit	Function
A	0.5 TN/BK	371	Instrument Panel Module Disable Switch - Signal
B	0.35 PK	1139	Ignition Voltage
C	0.5 BN	2309	Front Park Lamps Control
D	0.35 YE	6817	LED Backlight Dimming Control
E	0.5 PK	353	Instrument Panel Module Suppression Indicator Control
F	0.5 BK/WH	1751	Ground

## Inflatable Restraint I/P Module Indicator (Light Duty without YF7)



## Connector Part Information

- | OEM: 15398877
- | Service: See Catalog
- | Description: 5-Way F HCM Series (NA)

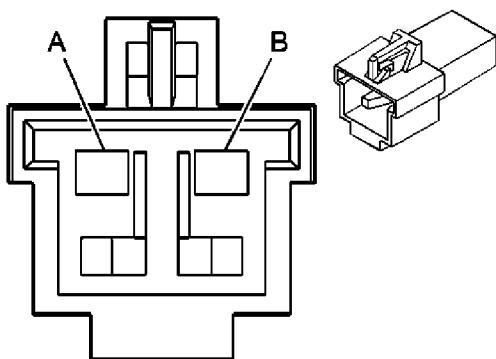
## Terminal Part Information

- | Terminal/Tray: Service with Pigtail
- | Core/Insulation Crimp: N/A
- | Release Tool/Test Probe: 12094429/J-35616-64B (L-BU)

## Inflatable Restraint I/P Module Indicator (Light Duty without YF7)

Pin	Wire	Circuit	Function
1	0.35 D-BU	2307	Passenger Air Bag On Indicator Control
2	0.5 BK/WH	351	Ground
3	0.35 D-GN	2308	Passenger Air Bag Off Indicator Control
4	0.35 PK	1139	Ignition Voltage
5	0.35 PU	5234	Passenger Seat Belt Indicator

## Inflatable Restraint Roof Rail Module - Left Front (ASF)





## Connector Part Information

- | OEM: 15358601
- | Service: 15358601
- | Description: 2-Way M Metri-Pack 280 Series (YE)

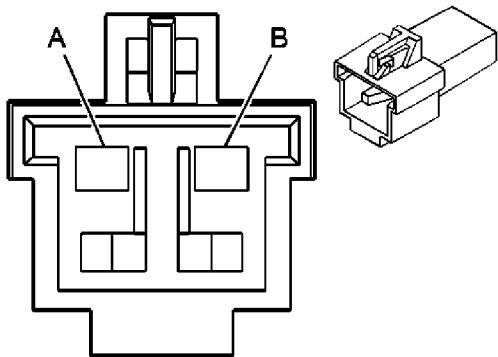
## Terminal Part Information

- | Terminal/Tray: Service with Pigtail
- | Core/Insulation Crimp: N/A
- | Release Tool/Test Probe: 12094429/J-35616-5 (PU)

## Inflatable Restraint Roof Rail Module - Left Front (ASF)

Pin	Wire	Circuit	Function
A	0.5 PK	5020	Roof Rail Module - Left - Low Control
B	0.5 PU/WH	5019	Roof Rail Module - Left - High Control

## Inflatable Restraint Roof Rail Module - Right Front (ASF)



## Connector Part Information

- | OEM: 15358601
- | Service: 15358601
- | Description: 2-Way M Metri-Pack 280 Series (YE)

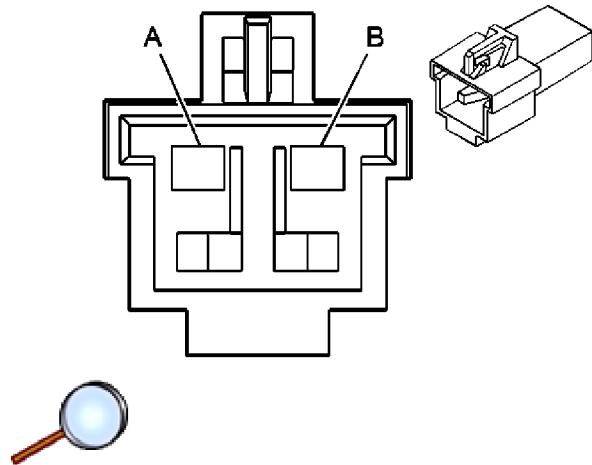
## Terminal Part Information

- | Terminal/Tray: Service with Pigtail
- | Core/Insulation Crimp: N/A
- | Release Tool/Test Probe: 12094429/J-35616-5 (PU)

## Inflatable Restraint Roof Rail Module - Right Front (ASF)

Pin	Wire	Circuit	Function
A	0.5 WH/BK	5022	Roof Rail Module - Right - Low Control
B	0.5 YE/BK	5021	Roof Rail Module - Right - High Control

## Inflatable Restraint Roof Rail Module - Right Rear (ASF with YA2)



### Connector Part Information

- | OEM: 15358601
- | Service: 15358601
- | Description: 2-Way M Metri-Pack 280 Series (YE)

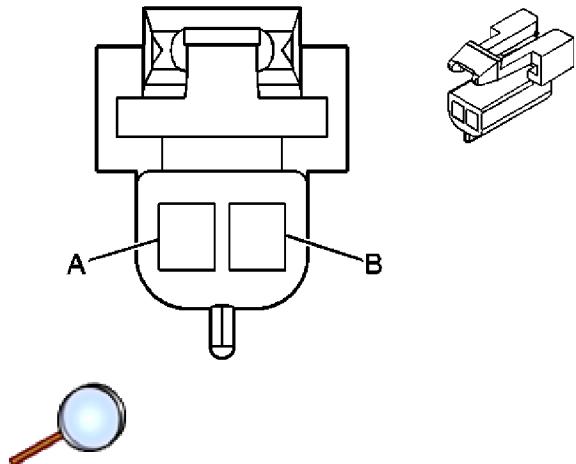
### Terminal Part Information

- | Terminal/Tray: Service with Pigtail
- | Core/Insulation Crimp: N/A
- | Release Tool/Test Probe: 12094429/J-35616-5 (PU)

## Inflatable Restraint Roof Rail Module - Right Rear (ASF with YA2)

Pin	Wire	Circuit	Function
A	0.5 TN/BK	7016	Roof Rail Module - Right Rear Low Control
B	0.5 L-BU	7015	Roof Rail Module - Right Rear High Control

## Inflatable Restraint Seat Position Sensor (SPS) - Driver (Light Duty)



## Connector Part Information

- | OEM: 12052832
- | Service: 12101825
- | Description: 2-Way F Metri-Pack 150 Series (BK)

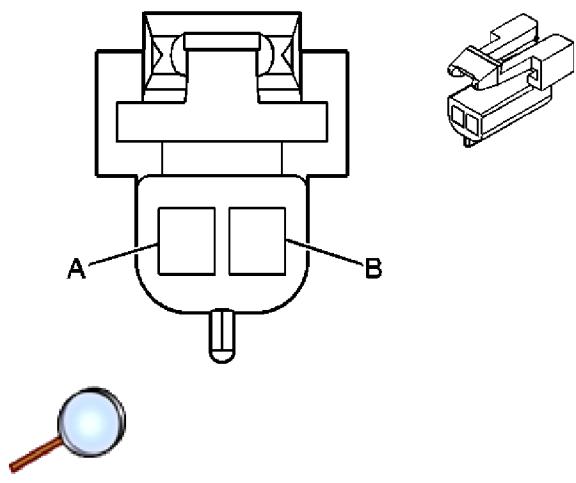
## Terminal Part Information

- | Terminal/Tray: Service with Pigtail
- | Core/Insulation Crimp: N/A
- | Release Tool/Test Probe: See Terminal Repair Kit

## Inflatable Restraint Seat Position Sensor (SPS) - Driver (Light Duty)

Pin	Wire	Circuit	Function
A	0.5 L-GN	5055	Seat Position Sensor - Left - Signal
B	0.5 PK	5057	Low Reference

## Inflatable Restraint Seat Position Sensor (SPS) - Passenger (Light Duty)



## Connector Part Information

- | OEM: 12052832
- | Service: 12101825
- | Description: 2-Way F Metri-Pack 150 Series (BK)

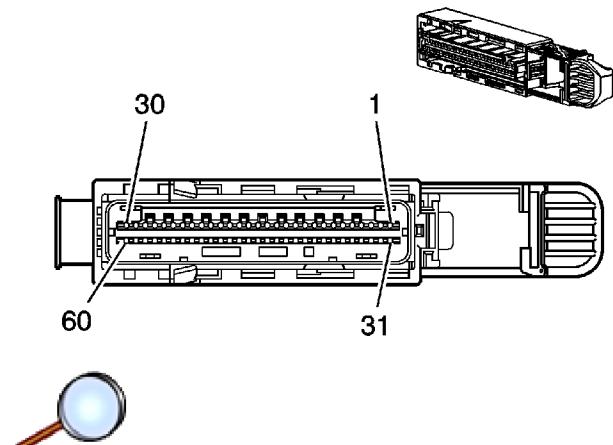
## Terminal Part Information

- | Terminal/Tray: Service with Pigtail
- | Core/Insulation Crimp: N/A
- | Release Tool/Test Probe: See Terminal Repair Kit

## Inflatable Restraint Seat Position Sensor (SPS) - Passenger (Light Duty)

Pin	Wire	Circuit	Function
A	0.5 L-BU	5056	Seat Position Sensor - Right - Signal
B	0.5 PK	5017	Low Reference

## Inflatable Restraint Sensing and Diagnostic Module (SDM)



## Connector Part Information

- | OEM: 13549639
- | Service: See Catalog
- | Description: 60-Way F 0.64 GET Series Sealed (YE)

## Terminal Part Information

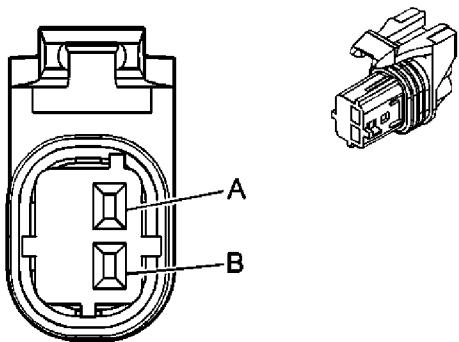
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Inflatable Restraint Sensing and Diagnostic Module (SDM)

Pin	Wire	Circuit	Function
1	0.5 BK/WH	1751	Ground
2	0.35 D-GN	5060	Low Speed GMLAN Serial Data
3	0.35 D-GN	5060	Low Speed GMLAN Serial Data
4	0.5 PK	3022	Steering Wheel Module - Stage 2 - Low Control (Light Duty)
5	0.5 WH	3023	Steering Wheel Module - Stage 2 - High Control (Light Duty)
6	0.5 GY	3027	Instrument Panel Module - Stage 2 - High Control (Light Duty with AK5)
7	0.5 PU	3026	Instrument Panel Module - Stage 2 - Low Control (Light Duty with AK5)
8	0.5 BN	3020	Steering Wheel Module - Stage 1 - Low Control
9	0.5 TN	3021	Steering Wheel Module - Stage 1 - High Control
10	0.5 YE	3025	Instrument Panel Module - Stage 1 - High Control
11	0.5 OG	3024	Instrument Panel Module - Stage 1 - Low Control
12	0.5 PK	5020	Roof Rail Module - Left - Low Control (ASF)
13	0.5 PU/WH	5019	Roof Rail Module - Left - High Control (ASF)
14	0.5 YE/BK	5021	Roof Rail Module - Right - High Control (ASF)
15	0.5 WH/BK	5022	Roof Rail Module - Right - Low Control (ASF)
16-21	--	--	Not Used
22	0.5 L-BU	7015	Roof Rail Module - Right Rear High Control (Passenger with ASF)
23	0.5 TN/BK	7016	Roof Rail Module - Right Rear Low Control (Passenger with ASF)
24	0.5 OG/BK	2119	Seat Belt Pretensioner - Left - Low Control (Light Duty)
25	0.5 TN/WH	2118	Seat Belt Pretensioner - Left - High Control (Light Duty)
26	0.5 L-GN	2116	Seat Belt Pretensioner - Right - High Control (Light Duty)
27	0.5 OG	2117	Seat Belt Pretensioner - Right - Low Control (Light Duty)
28	0.5 PK	5057	Low Reference
29	0.5 L-GN	5055	Seat Position Sensor - Left - Signal (Light Duty)
30	0.5 L-BU	5056	Seat Position Sensor - Right - Signal (Light Duty)
31	0.5 RD/WH	3440	Battery Positive Voltage
32	0.35 PK	1139	Ignition Voltage
33	0.5 PK	353	Instrument Panel Module Suppression Indicator Control (C99)
34	0.5 TN/PK	371	Instrument Panel Module Disable Switch - Signal (C99)
35	--	--	Not Used
36	0.5 D-BU/WH	6619	Low Reference
37	--	--	Not Used
38	0.5 BN/WH	6618	Discriminating Sensor - Signal
39	--	--	Not Used
40	0.5 PU/WH	6628	Low Reference (ASF)
41	0.5 WH/BK	6629	Low Reference (ASF)

42	0.5 WH	2132	Left Front Side Impact Sensing Module Signal (ASF)
43	0.5 D-GN	2134	Right Front Side Impact Sensing Module Signal (ASF)
44	0.5 L-BU	6622	Left Rear Side Impact Sensing Module Signal (Passenger with ASF)
45	0.5 L-BU/WH	6626	Right Rear Side Impact Sensing Module Signal (Passenger with ASF with E24/YA2)
46	0.5 L-GN/BK	6623	Low Reference (Passenger with ASF)
47	0.5 PK/BK	6627	Low Reference (Passenger with ASF with E24/YA2)
48-57	--	--	Not Used
58	0.5 YE/BK	5229	Rollover Sensor High Signal (ASF)
59	0.5 TN/WH	238	Seat Belt Switch - Left
60	0.5 OG	1362	Seat Belt Switch - Right - Signal (Light Duty)

## Inflatable Restraint Side Impact Sensor (SIS) - Left Front (ASF)



### Connector Part Information

- | OEM: 15356726
- | Service: 15356726
- | Description: 2-Way F GT 150 Sealed 4.0 (YE)

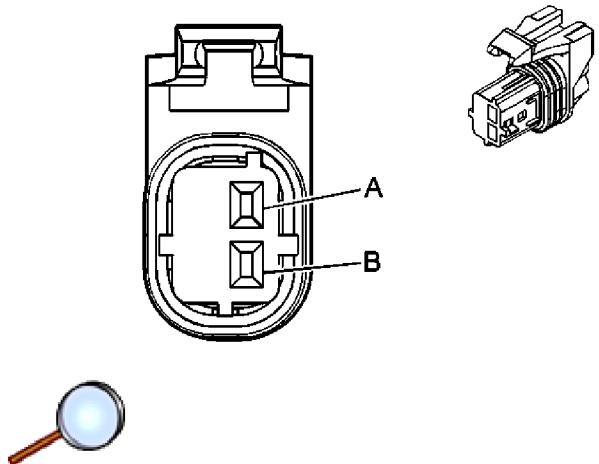
### Terminal Part Information

- | Terminal/Tray: Service with Pigtail
- | Core/Insulation Crimp: N/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Inflatable Restraint Side Impact Sensor (SIS) - Left Front (ASF)

Pin	Wire	Circuit	Function
A	0.5 PU/WH	6628	Low Reference
B	0.5 WH	2132	Side Impact Sensing Module - Left - Signal

## Inflatable Restraint Side Impact Sensor (SIS) - Left Rear (Passenger with ASF)



### Connector Part Information

- | OEM: 15356726
- | Service: 15356726
- | Description: 2-Way F GT 150 Sealed 4.0 (YE)

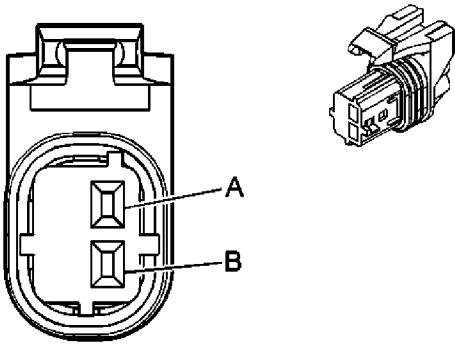
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Inflatable Restraint Side Impact Sensor (SIS) - Left Rear (Passenger with ASF)

Pin	Wire	Circuit	Function
A	0.5 L-GN/BK	6623	Low Reference
B	0.5 L-BU	6622	Left Rear Side Impact Sensing Module Signal

## Inflatable Restraint Side Impact Sensor (SIS) - Right Front (ASF)



### Connector Part Information

- | OEM: 15356726
- | Service: 15356726
- | Description: 2-Way F GT 150 Sealed 4.0 (YE)

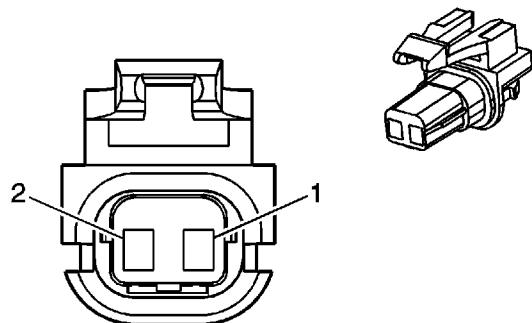
### Terminal Part Information

- | Terminal/Tray: Service with Pigtail
- | Core/Insulation Crimp: N/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Inflatable Restraint Side Impact Sensor (SIS) - Right Front (ASF)

Pin	Wire	Circuit	Function
A	0.5 PU/WH	6628	Low Reference
B	0.5 WH	2132	Side Impact Sensing Module - Right - Signal

## Inflatable Restraint Side Impact Sensor (SIS) - Right Rear (Passenger with ASF with E24)



## Connector Part Information

- | OEM: 15356717
- | Service: 88953273
- | Description: 2-Way F GT 150 Series Sealed (YE)

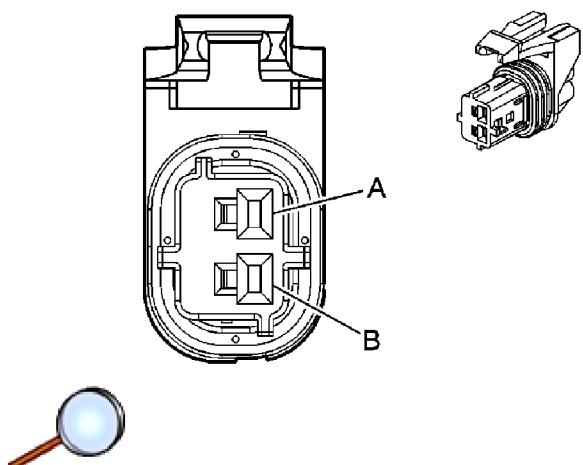
## Terminal Part Information

- | Terminal/Tray: Service with Pigtail
- | Core/Insulation Crimp: N/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

### Inflatable Restraint Side Impact Sensor (SIS) - Right Rear (Passenger with ASF with E24)

Pin	Wire	Circuit	Function
1	0.5 L-BU/WH	6626	Right Rear Side Impact Sensing Module Signal
2	0.5 PK/BK	6627	Low Reference

### Inflatable Restraint Side Impact Sensor (SIS) - Right Rear (Passenger with ASF with YA2)



## Connector Part Information

- | OEM: 15356727
- | Service: 15356727
- | Description: 2-Way F GT 150 Series Sealed (YE)

## Terminal Part Information

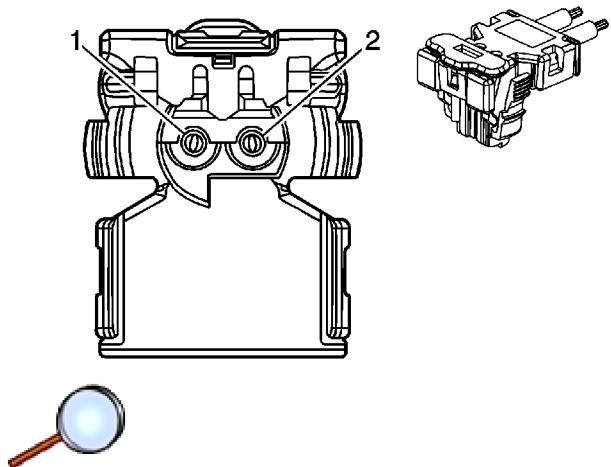
- | Terminal/Tray: Service with Pigtail
- | Core/Insulation Crimp: N/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

### Inflatable Restraint Side Impact Sensor (SIS) - Right Rear

## (Passenger with ASF with YA2)

Pin	Wire	Circuit	Function
A	0.5 PK/BK	6627	Low Reference
B	0.5 L-BU/WH	6626	Right Rear Side Impact Sensing Module Signal

## Inflatable Restraint Steering Wheel Module X1 (Light Duty)



### Connector Part Information

- | OEM: 54560236
- | Service: See Catalog
- | Description: 2-Way F FFB90-4 Type B (GY)

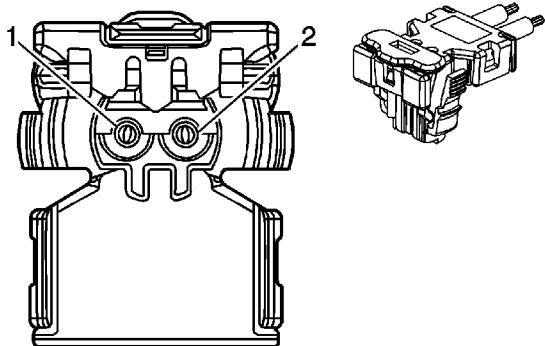
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Inflatable Restraint Steering Wheel Module X1 (Light Duty)

Pin	Wire	Circuit	Function
1	0.5 TN	3021	Steering Wheel Module - Stage 1 - High Control
2	0.5 BN	3020	Steering Wheel Module - Stage 1 - Low Control

## Inflatable Restraint Steering Wheel Module X2 (Light Duty)



### Connector Part Information

- | OEM: 54560222
- | Service: See Catalog
- | Description: 2-Way F FFB90-4 Type G (PU)

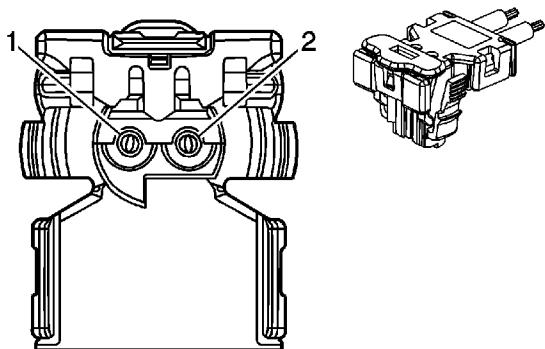
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Inflatable Restraint Steering Wheel Module X2 (Light Duty)

Pin	Wire	Circuit	Function
1	0.5 WH	3023	Steering Wheel Module - Stage 2 - High Control
2	0.5 PK	3022	Steering Wheel Module - Stage 2 - Low Control

## Inflatable Restraint Steering Wheel Module (Heavy Duty)



## Connector Part Information

- | OEM: 54560235
- | Service: See Catalog
- | Description: 2-Way F FFB90-4 Type C (YE)

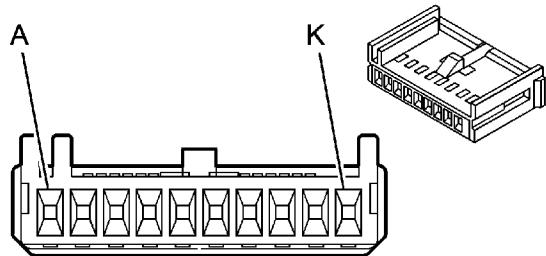
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Inflatable Restraint Steering Wheel Module (Heavy Duty)

Pin	Wire	Circuit	Function
1	0.5 TN	3021	Steering Wheel Module - Stage 1 - High Control
2	0.5 BN	3020	Steering Wheel Module - Stage 1 - Low Control

## Inflatable Restraint Steering Wheel Module Coil X1



## Connector Part Information

- | OEM: 15393433
- | Service: See Catalog
- | Description: 10-Way F Micro-Pack 064 Series (BK)

## Terminal Part Information

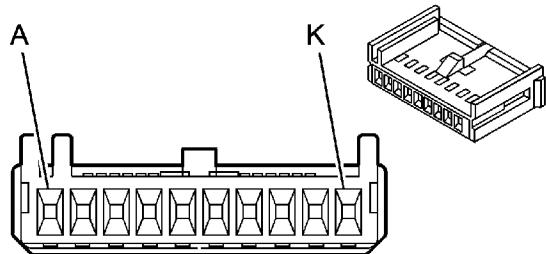
- | Pins: A-C, F-H, K
- | Terminal/Tray: 12177007/19
- | Core/Insulation Crimp: E/2
- | Release Tool/Test Probe: 12180559-1/J-35616-64B (L-BU)

## Inflatable Restraint Steering Wheel Module Coil X1

Pin	Wire	Circuit	Function

A	0.5 BK	350	Ground
B	0.35 TN	28	Horn Relay Control
C	0.35 D-GN/WH	7158	Cruise Control Indicator Dimming Signal
D-E	--	--	Not Used
F	0.35 PK	1444	12-Volt Reference
G	0.35 BN	6136	Supply Voltage
H	0.35 L-GN	6818	Steering Wheel Control Signal
J	--	--	Not Used
K	0.35 GY	1884	Cruise Control Switch Signal

## Inflatable Restraint Steering Wheel Module Coil X2



### Connector Part Information

- | OEM: 15393433
- | Service: See Catalog
- | Description: 10-Way F Micro-Pack 064 Series (BK)

### Terminal Part Information

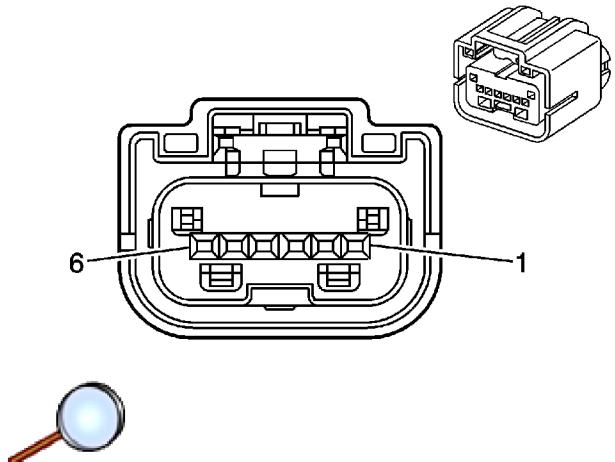
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Inflatable Restraint Steering Wheel Module Coil X2

Pin	Wire	Circuit	Function
A	0.35 GY	1884	Cruise Control Switch Signal
B	--	--	Not Used
C	0.35 D-GN	6818	Steering Wheel Control Signal
D	0.35 PK	6136	Supply Voltage
E	0.35 YE	1444	12-Volt Reference

F-G	--	--	Not Used
H	0.35 D-GN/WH	7158	Cruise Control Indicator Dimming Signal
J	0.35 OG	28	Horn Relay Control
K	0.35 BK	350	Ground (K34/W1Y)
	0.5 BK	350	Ground (without K34/W1Y)

## Inflatable Restraint Vehicle Rollover Sensor (ASF)



### Connector Part Information

- | OEM: 13551672
- | Service: 19149297
- | Description: 6-Way F 0.64 Series Sealed (YE)

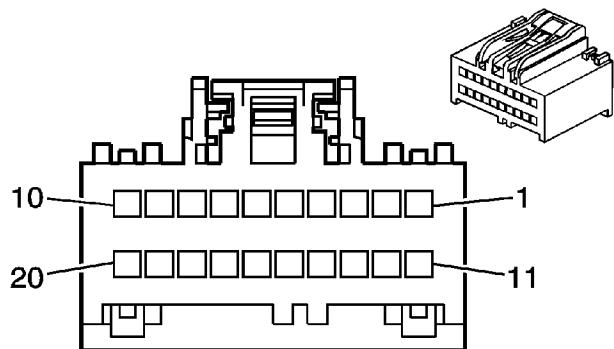
### Terminal Part Information

- | Pins: 1, 3, 5, 6
- | Terminal/Tray: Service with Pigtail
- | Core/Insulation Crimp: N/A
- | Release Tool/Test Probe: 15315247/J-35616-64B (L-BU)

## Inflatable Restraint Vehicle Rollover Sensor (ASF)

Pin	Wire	Circuit	Function
1	0.5 RD/WH	3440	Battery Positive Voltage
2	--	--	Not Used
3	0.35 D-GN	5060	Low Speed GMLAN Serial Data
4	--	--	Not Used
5	0.5 YE/BK	5229	Rollover Sensor High Signal
6	0.5 BK/WH	1751	Ground

## Instrument Panel Cluster (IPC)



## Connector Part Information

- | OEM: 15489824
- | Service: See Catalog
- | Description: 20-Way F 0.64 Series (BK)

## Terminal Part Information

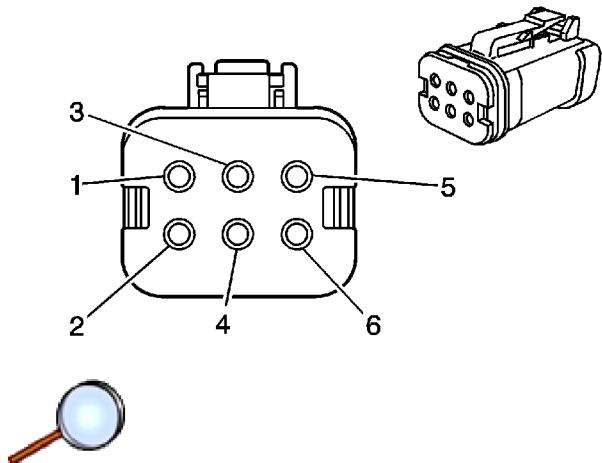
- | Pins: 1, 3-5, 7, 9-20
- | Terminal/Tray: 7116-4618-02
- | Core/Insulation Crimp: Pins 1, 4, 5, 7, 9, 12, 13, 16-20 - P/P
- | Core/Insulation Crimp: Pins 3, 10, 11, 14, 15 - See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Instrument Panel Cluster (IPC)

Pin	Wire	Circuit	Function
1	0.35 D-GN	5060	Low Speed GMLAN Serial Data
2	--	--	Not Used
3	0.5 L-GN	1478	Coolant Level Switch Signal (6.6L)
4	0.35 BN/WH	419	MIL Control
5	0.35 PU	5234	Passenger Seat Belt Indicator (Light Duty without YF7)
6	--	--	Not Used
7	0.35 BK/WH	351	Ground
8	--	--	Not Used
9	0.35 D-BU	507	Wait to Start Indicator Control (6.6L)
10	0.5 D-GN/WH	636	Ambient Air Temperature Sensor Signal (UFA)
11	0.5 YE	61	Low Reference (UFA)
12	0.35 D-BU	2307	Passenger Air Bag On Indicator Control (Light Duty without YF7)
13	0.35 D-GN	2308	Passenger Air Bag Off Indicator Control (Light Duty without YF7)
14	0.5 TN/WH	33	Brake Warning Indicator Control
15	0.5 PU	333	Brake Fluid Level Sensor Signal
16	0.35 PK	893	Driver Information Center (DIC) Select Menu Switch Signal

17	0.35 D-GN/WH	1358	Driver Information Center (DIC) Switch Signal
18	0.35 BN	897	Low Reference
19	0.35 PK	1639	Ignition Voltage
20	0.35 RD/WH	2840	Battery Positive Voltage

## Intake Air Heater (IAH) X1 (6.6L)



### Connector Part Information

- | OEM: DT16-6S-KP01
- | Service: See Catalog
- | Description: 6-Way F Sealed (GN)

### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Intake Air Heater (IAH) X1 (6.6L)

Pin	Wire	Circuit	Function
1	0.75 BK	IC180	IAH Temperature Signal
2	1 OG	IC181	IAH Command 1
3	0.75 YE	IC182	IAH Command 2
4	0.75 PK	IC183	IAH Current Signal
5	0.75 TN	IC184	IAH Voltage Signal
6	0.75 RD	IC185	IAH Feedback Signal

## Intake Air Heater (IAH) X2 (6.6L)

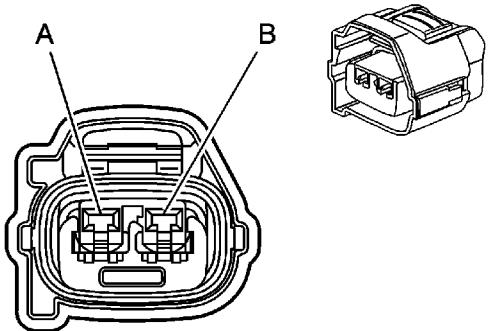
### Terminal Part Information

- | Terminal: 12146366
- | Core/Insulation Crimp: N/A
- | Description: Ring Terminal

## **Intake Air Heater (IAH) X2 (6.6L)**

Pin	Wire	Circuit	Function
A	19 RD	1	Battery Positive Voltage

## **Intake Air Temperature (IAT) Sensor (6.6L)**



### **Connector Part Information**

- | OEM: 7283-7020-10
- | Service: Service by Harness - See Part Catalog
- | Description: 2-Way F 2.3 Series Sealed (D-GY)

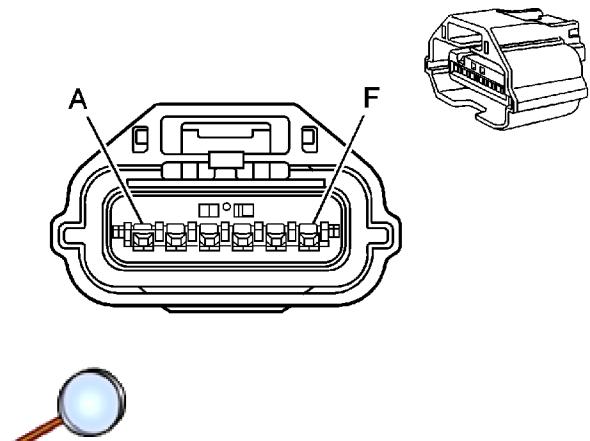
### **Terminal Part Information**

- | Terminal/Tray: 7116-4025/11
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 15313892/J-35616-18 (BK)

## **Intake Air Temperature (IAT) Sensor (6.6L)**

Pin	Wire	Circuit	Function
A	0.5 L-BU	IC188	Air Temperature Sensor Signal
B	0.5 YE/BK	IC189	Low Reference

## **Intake Air Valve (6.6L)**



## Connector Part Information

- | OEM: 7283-8850-30
- | Service: See Catalog
- | Description: 6-Way F RH Series (BK)

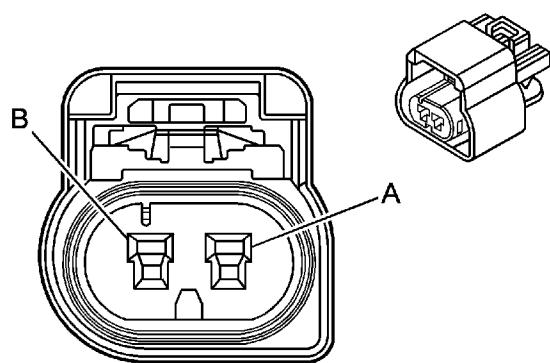
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Intake Air Valve (6.6L)

Pin	Wire	Circuit	Function
A	0.75 YE	IC156	Motor Control - 1
B	0.75 BN	IC151	Motor Control - 2
C	0.5 TN	IC154	Low Reference
D	--	--	Not Used
E	0.5 D-GN	IC153	Throttle Position (TP) Sensor Signal
F	0.5 GY	IC150	5-Volt Reference

## Knock Sensor (KS) 1 (4.3L/4.8L/5.3L/6.0L)





## Connector Part Information

- | OEM: 15374222
- | Service: See Catalog
- | Description: 2-Way F GT 150 Sealed (NA)

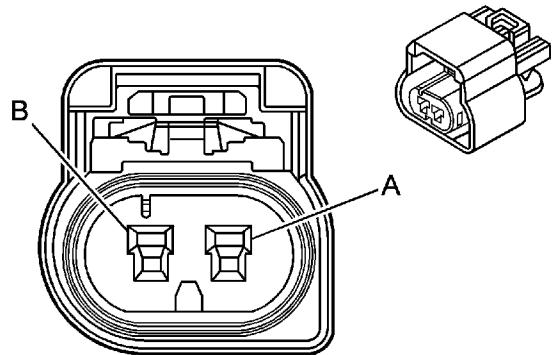
## Terminal Part Information

- | Pins: A, B
- | Terminal/Tray: 15326427/5
- | Core/Insulation Crimp: Pins A, B - 2/A
- | Core/Insulation Crimp: Pins A, B - E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Knock Sensor (KS) 1 (4.3L/4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
A	0.8 D-BU	496	Knock Sensor (KS) 1 Signal (4.8L/5.3L/6.0L)
	0.5 D-BU	496	Knock Sensor (KS) 1 Signal (4.3L)
B	0.8 GY	1716	Knock Sensor (KS) 1 Signal (4.8L/5.3L/6.0L)
	0.5 GY	1716	Knock Sensor (KS) 1 Signal (4.3L)

## Knock Sensor (KS) 2 (4.3L/4.8L/5.3L/6.0L)



## Connector Part Information

- | OEM: 15374222
- | Service: See Catalog
- | Description: 2-Way F GT 150 Sealed (NA)

## Terminal Part Information

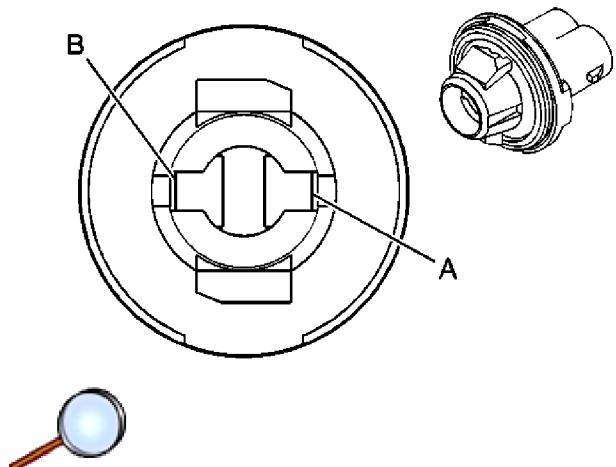
- | Pins: A, B

- | Terminal/Tray: 15326427/5
- | Core/Insulation Crimp: Pins A, B - 2/A
- | Core/Insulation Crimp: Pins A, B - E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## **Knock Sensor (KS) 2 (4.3L/4.8L/5.3L/6.0L)**

Pin	Wire	Circuit	Function
A	0.8 L-BU	1876	Knock Sensor (KS) 2 Signal (4.8L/5.3L/6.0L)
	0.5 L-BU	1876	Knock Sensor (KS) 2 Signal (4.3L)
B	0.8 GY	2303	Knock Sensor (KS) 2 Signal (4.8L/5.3L/6.0L)
	0.5 GY	2303	Knock Sensor (KS) 2 Signal (4.3L)

## **License Lamp (Passenger/Cargo)**



### **Connector Part Information**

- | OEM: 15324946
- | Service: See Catalog
- | Description: 2-Way F Lamp Socket Wedge Base W2 Sealed (D-GY)

### **Terminal Part Information**

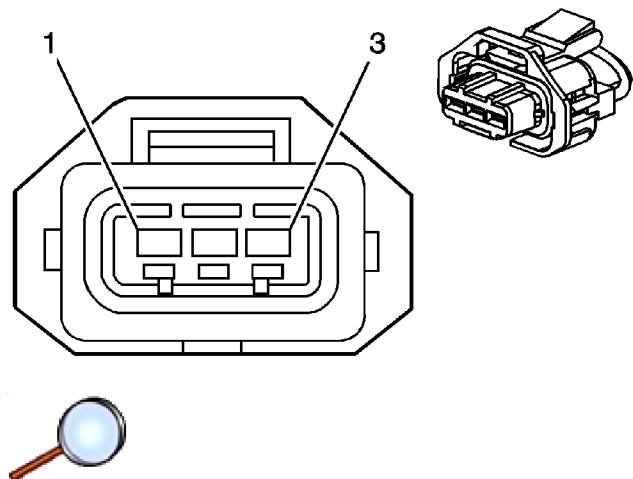
- | Terminal/Tray: 12124471/5
- | Core/Insulation Crimp: 2/3
- | Release Tool/Test Probe: 12094430/N/A

## **License Lamp (Passenger/Cargo)**

Pin	Wire	Circuit	Function
A	0.5 BN	2509	Left Rear Park Lamps Control
B	0.5 BK	1050	Ground

## **Manifold Absolute Pressure (MAP) Sensor**

## (4.3L/4.8L/5.3L/6.0L)



### **Connector Part Information**

- | OEM: 15365614
- | Service: 88988583
- | Description: 3-Way F Kompakt 2.8 Series Sealed (BK)

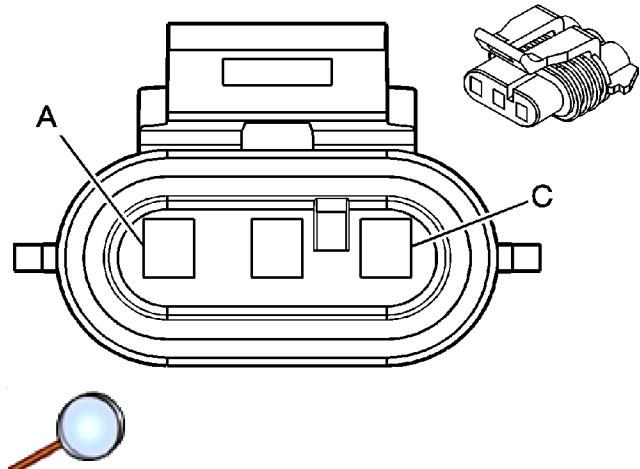
### **Terminal Part Information**

- | Terminal/Tray: 1928498056/8
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: J-38125-561/J-35616-35 (VT)

## Manifold Absolute Pressure (MAP) Sensor (4.3L/4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
1	0.5 GY	2704	5-Volt Reference
2	0.5 OG/BK	469	Low Reference
3	0.5 L-GN	432	Manifold Absolute Pressure (MAP) Sensor Signal

## Manifold Absolute Pressure (MAP) Sensor (6.6L)



### Connector Part Information

- | OEM: 12129946
- | Service: 88987997
- | Description: 3-Way F Metri-Pack 150 Series Sealed (GY)

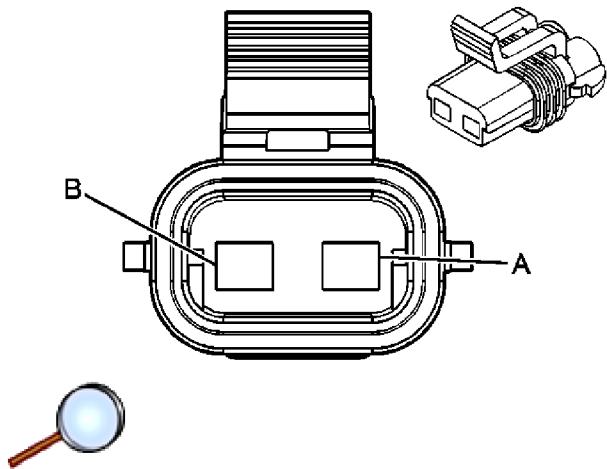
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## **Manifold Absolute Pressure (MAP) Sensor (6.6L)**

Pin	Wire	Circuit	Function
A	0.5 OG/BK	IC93	Low Reference
B	0.5 L-GN	IC94	Manifold Absolute Pressure (MAP) Sensor Signal
C	0.5 GY	IC92	5-Volt Reference

### Marker Lamp - Left Front



## Connector Part Information

- | OEM: 15300027
- | Service: 15300027
- | Description: 2-Way F Metri-Pack 280 Series Sealed (BK)

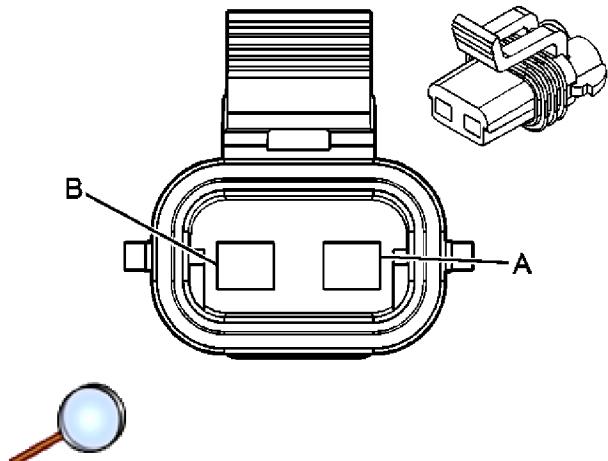
## Terminal Part Information

- | Terminal/Tray: 12077411/2
- | Core/Insulation Crimp: 2/5
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)

## Marker Lamp - Left Front

Pin	Wire	Circuit	Function
A	0.5 BN	2309	Front Park Lamps Control
B	0.5 BK	250	Ground

## Marker Lamp - Right Front



## Connector Part Information

- | OEM: 15300027
- | Service: 15300027
- | Description: 2-Way F Metri-Pack 280 Series Sealed (BK)

## Terminal Part Information

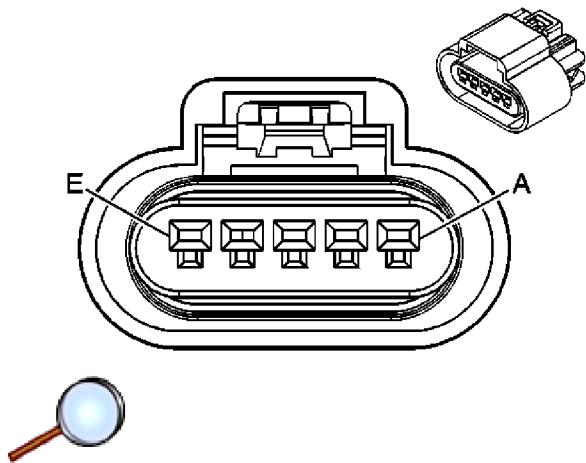
- | Terminal/Tray: 12077411/2
- | Core/Insulation Crimp: 2/5
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)

## Marker Lamp - Right Front

Pin	Wire	Circuit	Function
A	0.5 BN	2309	Front Park Lamps Control

B	0.5 BK	650	Ground
---	--------	-----	--------

## Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor (4.3L/4.8L/5.3L/6.0L)



### Connector Part Information

- | OEM: 13519051
- | Service: 19151498
- | Description: 5-Way F GT 150 Series Sealed (BK)

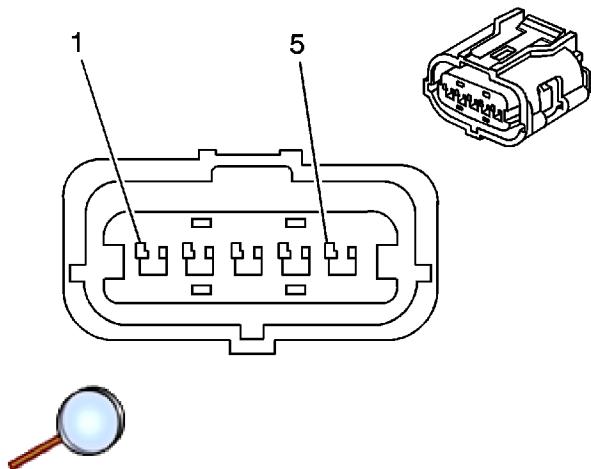
### Terminal Part Information

- | Pins: A-E
- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: Pins A-E - E/A
- | Core/Insulation Crimp: Pins C - 2/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor (4.3L/4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
A	0.5 YE	492	Mass Air Flow (MAF) Sensor Signal
B	0.5 PK	1939	Ignition Voltage
C	0.5 BK/WH	1551	Ground (4.3L/5.3L)
	0.8 BK/WH	1551	Ground (4.8L/6.0L)
D	0.5 TN	472	Intake Air Temperature (IAT) Sensor Signal
E	0.5 TN	2760	Low Reference

## Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor (6.6L)



## Connector Part Information

- | OEM: 15443141
- | Service: 19151506
- | Description: 5-Way F TS Series Sealed (BK)

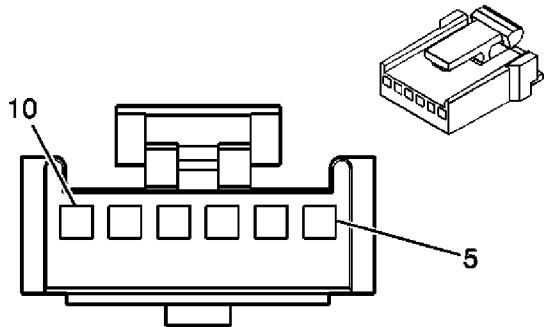
## Terminal Part Information

- | Terminal/Tray: 8100-3456/26
- | Core/Insulation Crimp: K/K
- | Release Tool/Test Probe: 15315247/J-35616-64B (L-BU)

## Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor (6.6L)

Pin	Wire	Circuit	Function
1	0.5 YE	492	Mass Air Flow (MAF) Sensor Signal
2	0.5 GY/BK	2931	Low Reference
3	0.5 PK	1939	Ignition Voltage
4	0.5 TN	2760	Low Reference
5	0.5 TN	472	Intake Air Temperature (IAT) Sensor Signal

## Mode Actuator - Auxiliary (C69)



## Connector Part Information

- | OEM: 12040953
- | Service: See Catalog
- | Description: 6-Way F (BK)

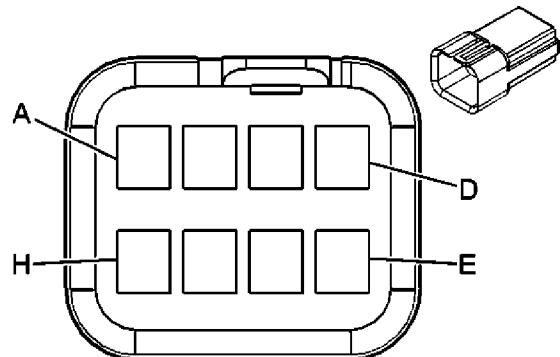
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Mode Actuator - Auxiliary (C69)

Pin	Wire	Circuit	Function
5-6	--	--	Not Used
7	0.35 BK	850	Ground
8	0.35 GY	2599	Auxiliary Mode Door Control
9	--	--	Not Used
10	0.35 BN	341	Ignition Voltage

## Outside Rearview Mirror - Driver (DE5/DE7)





## Connector Part Information

- | OEM: 12162427
- | Service: 12162427
- | Description: 8-Way M Metri-Pack 150 (NA)

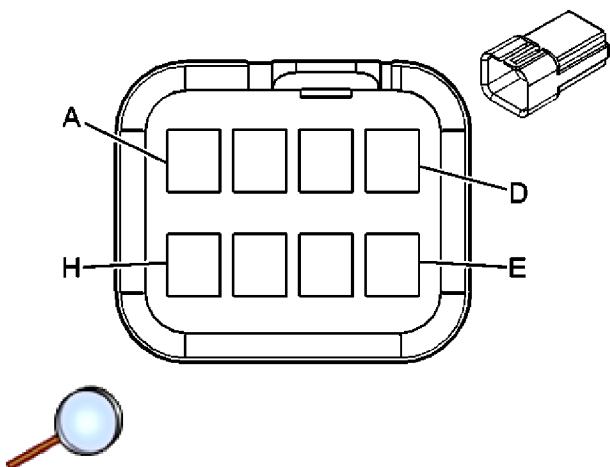
## Terminal Part Information

- | Pins: A-H
- | Terminal/Tray: 12047581/2
- | Core/Insulation Crimp: Pins A, C - E/A
- | Core/Insulation Crimp: Pins B, D-H - E/C
- | Release Tool/Test Probe: 12094429/J-35616-3 (GY)

## Outside Rearview Mirror - Driver (DE5/DE7)

Pin	Wire	Circuit	Function
A	0.8 BK	450	Ground
B	0.5 L-BU/WH	1314	Left Front Turn Signal Lamp Control
C	0.8 OG	2267	Mirror Heating Element Control
D	0.5 BK	450	Ground
E	0.35 YE	88	Driver Mirror Motor Up Control
F	0.35 L-GN	89	Driver Mirror Motor Down Control
G	0.35 WH	81	Driver Mirror Motor Right Control
H	0.35 YE	88	Driver Mirror Motor Up Control

## Outside Rearview Mirror - Passenger (DE5/DE7)



## Connector Part Information

- | OEM: 12162427

- | Service: 12162427
- | Description: 8-Way M Metri-Pack 150 (NA)

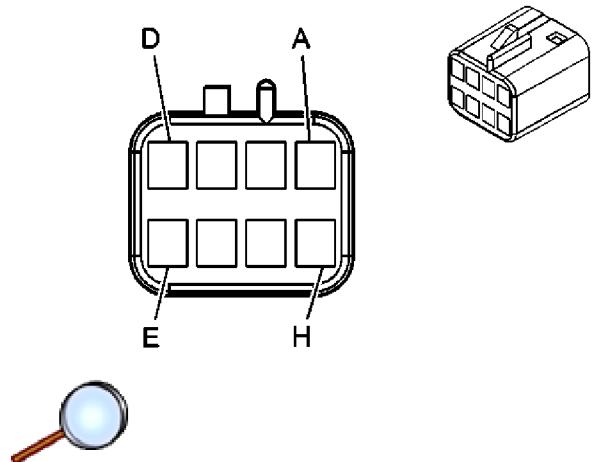
## Terminal Part Information

- | Pins: A-H
- | Terminal/Tray: 12047581/2
- | Core/Insulation Crimp: Pins A, C - E/A
- | Core/Insulation Crimp: Pins B, D-H - E/C
- | Release Tool/Test Probe: 12094429/J-35616-3 (GY)

## Outside Rearview Mirror - Passenger (DE5/DE7)

Pin	Wire	Circuit	Function
A	0.8 BK	1850	Ground
B	0.5 D-BU/WH	1315	Right Front Turn Signal Lamp Control
C	0.8 OG	2267	Mirror Heating Element Control
D	0.5 BK	1850	Ground
E	0.35 BN/WH	1498	Passenger Mirror Motor Left/Down Control
F	0.35 PU/WH	889	Passenger Mirror Motor Down Control
G	0.35 OG/WH	881	Passenger Mirror Motor Right Control
H	0.35 BN/WH	1498	Passenger Mirror Motor Left/Down Control

## Outside Rearview Mirror Switch (DE5/DE7)



## Connector Part Information

- | OEM: 12047886
- | Service: 12101822
- | Description: 8-Way F Metri-Pack 150 Series (BK)

## Terminal Part Information

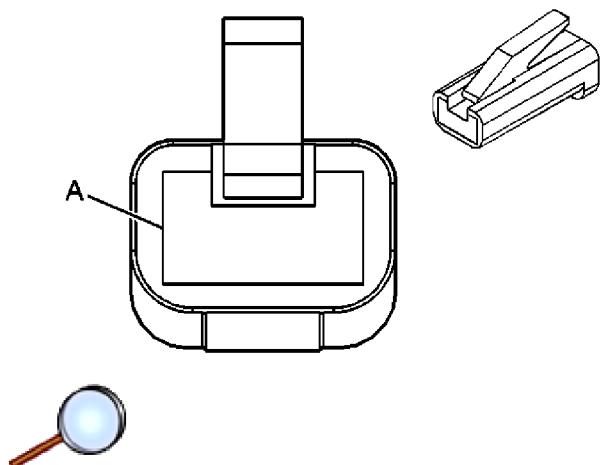
- | Terminal/Tray: 12064971/5
- | Core/Insulation Crimp: E/C

- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Outside Rearview Mirror Switch (DE5/DE7)

Pin	Wire	Circuit	Function
A	0.35 OG/WH	881	Passenger Mirror Motor Right Control
B	0.35 PU/WH	889	Passenger Mirror Motor Down Control
C	0.35 BN/WH	1498	Passenger Mirror Motor Left/Down Control
D	0.5 BK	450	Ground
E	0.5 RD/WH	4340	Battery Positive Voltage
F	0.35 L-GN	89	Driver Mirror Motor Down Control
G	0.35 WH	81	Driver Mirror Motor Right Control
H	0.35 YE	88	Driver Mirror Motor Up Control

## Park Brake Switch



### Connector Part Information

- | OEM: 12004267
- | Service: 12004267
- | Description: 1-Way F 56 Series Lock Type (GY)

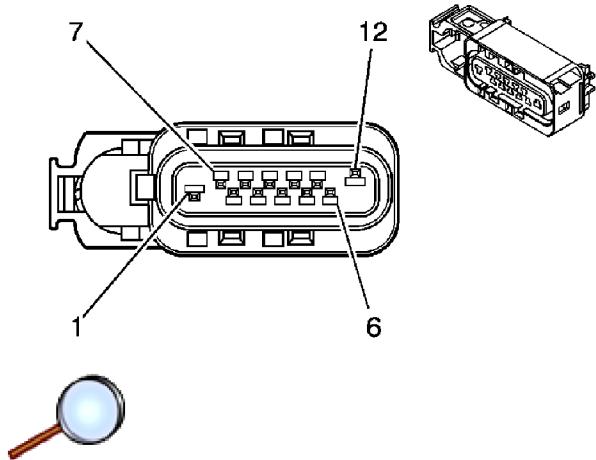
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Park Brake Switch

Pin	Wire	Circuit	Function
A	0.5 L-BU	1134	Park Brake Switch Signal

## Park/Neutral Position (PNP) Switch (4.8L/6.0L/6.6L)



## Connector Part Information

- | OEM: 15411266
- | Service: See Catalog
- | Description: 12-Way F GT 150 280 Series Sealed (BU)

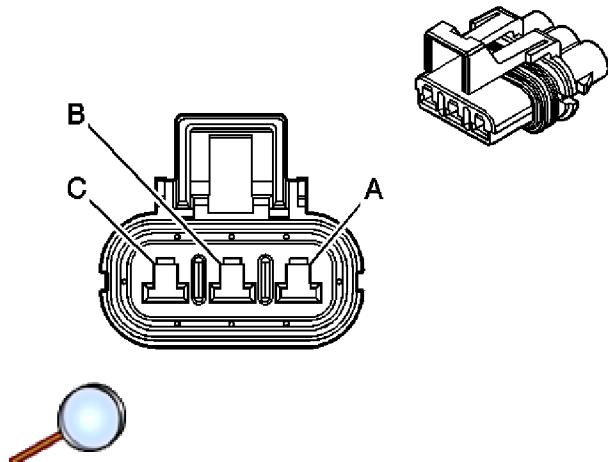
## Terminal Part Information

- | Pins: 3-8
- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: Pins 3-8 - E/A
- | Core/Insulation Crimp: Pins 7 - 2/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Park/Neutral Position (PNP) Switch (4.8L/6.0L/6.6L)

Pin	Wire	Circuit	Function
1-2	--	--	Not Used
3	0.35 OG/BK	1786	Park/Neutral Signal
4	0.35 YE	772	Transmission Range Switch Signal B
5	0.35 TN/WH	771	Transmission Range Switch Signal A
6	0.35 GY	773	Transmission Range Switch Signal C
7	0.5 BK/WH	1551	Ground (4.3L/5.3L)
	0.8 BK/WH	1551	Ground (4.8L/6.0L)
8	0.35 WH	776	Transmission Range Switch Signal P
9-12	--	--	Not Used

## Park/Turn Signal Lamp - Left Front



## Connector Part Information

- | OEM: 12040977
- | Service: 12085492
- | Description: 3-Way F Metri-Pack 280 Sealed (BK)

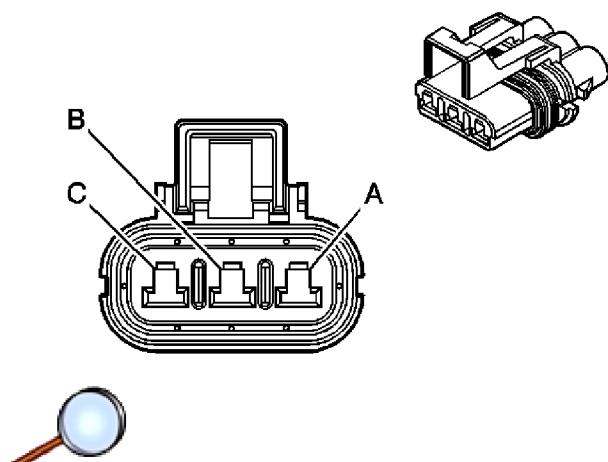
## Terminal Part Information

- | Terminal/Tray: 12077411/2
- | Core/Insulation Crimp: 2/5
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)

## Park/Turn Signal Lamp - Left Front

Pin	Wire	Circuit	Function
A	0.8 L-BU/WH	1314	Left Front Turn Signal Lamp Control
B	0.5 BN	2309	Front Park Lamps Control
C	0.5 BK	250	Ground

## Park/Turn Signal Lamp - Right Front



## Connector Part Information

- | OEM: 12040977
- | Service: 12085492
- | Description: 3-Way F Metri-Pack 280 Sealed (BK)

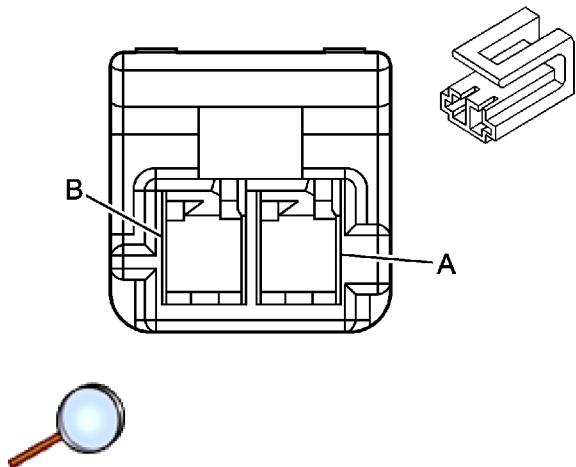
## Terminal Part Information

- | Terminal/Tray: 12077411/2
- | Core/Insulation Crimp: 2/5
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)

## Park/Turn Signal Lamp - Right Front

Pin	Wire	Circuit	Function
A	0.8 D-BU/WH	1315	Right Front Turn Signal Lamp Control
B	0.5 BN	2309	Front Park Lamps Control
C	0.5 BK	650	Ground

## Pressure Control (PC) Solenoid Valve (4L80-E)



## Connector Part Information

- | OEM: 15467085
- | Service: See Catalog
- | Description: 2-Way F Metri-Pack 150.2 Series (L-GY)

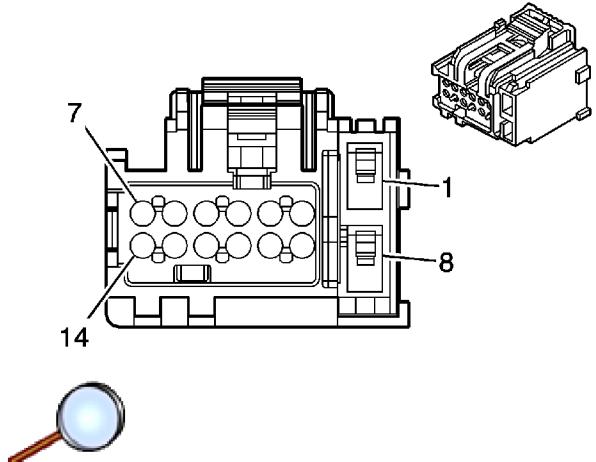
## Terminal Part Information

- | Terminal/Tray: 12124075/5
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 12180559-1/J-35616-14 (GN)

## Pressure Control (PC) Solenoid Valve (4L80-E)

Pin	Wire	Circuit	Function
A	0.5 PU	1228	PC Solenoid Valve High Control
B	0.5 L-BU	1229	PC Solenoid Valve Low Control

## Radio X1



### Connector Part Information

- | OEM: 15464950
- | Service: See Catalog
- | Description: 14-Way F GT 150 Micro 64 Modular (BK)

### Terminal Part Information

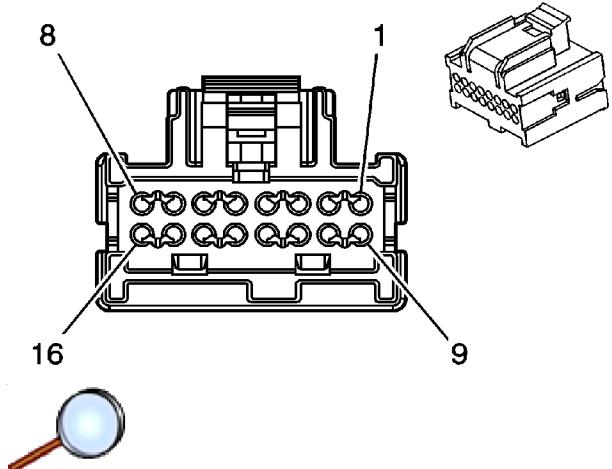
- | Pins: 1, 8
- | Terminal/Tray: 12191812/19
- | Core/Insulation Crimp: C/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)
  
- | Pins: 2, 3, 7, 9, 10, 13
- | Terminal/Tray: 15359541/4
- | Core/Insulation Crimp: M/M
- | Release Tool/Test Probe: 15381651-2/J-35616-64B (L-BU)

## Radio X1

Pin	Wire	Circuit	Function
1	1 RD/WH	340	Battery Positive Voltage
2	0.8 D-BU	1857	Left Front Midrange Speaker Output (+)
3	0.8 OG	1853	Right Front Midrange Speaker Output (+)
4-6	--	--	Not Used
7	0.35 YE	6817	LED Backlight Dimming Control
8	1 BK/WH	351	Ground
9	0.8 L-BU	1957	Left Front Midrange Speaker Output (-)

10	0.8 D-GN	1953	Right Front Midrange Speaker Output (-)
11-12	--	--	Not Used
13	0.35 D-GN	5060	Low Speed GMLAN Serial Data
14	--	--	Not Used

## Radio X2



### Connector Part Information

- | OEM: 13526598
- | Service: 19115675
- | Description: 16-Way F Micro-Pack 0.64 Series (PU)

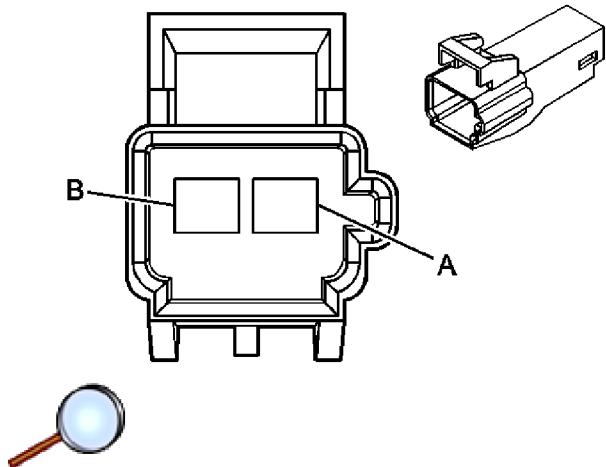
### Terminal Part Information

- | Pins: 5, 6, 13, 14
- | Terminal/Tray: 15359541/4
- | Core/Insulation Crimp: M/M
- | Release Tool/Test Probe: 15381651-2/J-35616-64B (L-BU)

## Radio X2

Pin	Wire	Circuit	Function
1-4	--	--	Not Used
5	0.8 TN	1859	Left Rear Midrange Speaker Output (+)
6	0.8 TN	1855	Right Rear Midrange Speaker Output (+)
7-12	--	--	Not Used
13	0.8 WH	1959	Left Rear Midrange Speaker Output (-)
14	0.8 OG	1955	Right Rear Midrange Speaker Output (-)
15-16	--	--	Not Used

## Rear Window Defogger Grid - Left (C49)



## Connector Part Information

- | OEM: 12129156
- | Service: 12129156
- | Description: 2-Way M Metri-Pack 280 Series (BK)

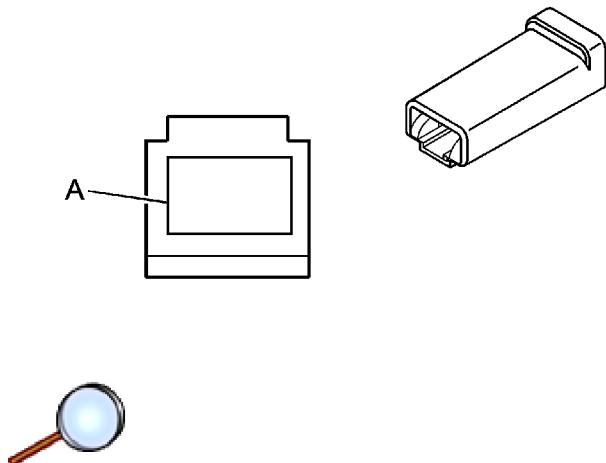
## Terminal Part Information

- | Terminal/Tray: 12084586/4
- | Core/Insulation Crimp: F/G
- | Release Tool/Test Probe: 12094430/J-35616-5 (PU)

## Rear Window Defogger Grid - Left (C49)

Pin	Wire	Circuit	Function
A	5 PU	293	Rear Defog Element Control
B	3 BK	850	Ground

## Rear Window Defogger Grid - Left X1 (C49 with A12)



## Connector Part Information

- | OEM: 12103107
- | Service: 12103107
- | Description: CONN 1 F POS. LOCK 6.3 BLK

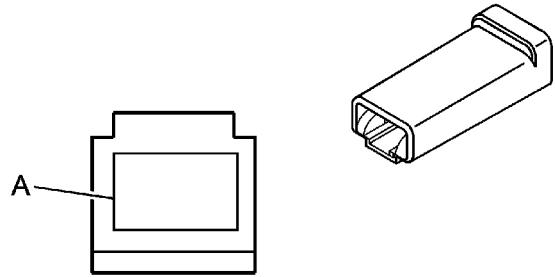
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Rear Window Defogger Grid - Left X1 (C49 with A12)

Pin	Wire	Circuit	Function
A	5 PU	293	Rear Defog Element Control

## Rear Window Defogger Grid - Left X2 (C49 with A12)



## Connector Part Information

- | OEM: 12103107
- | Service: 12103107
- | Description: CONN 1 F POS. LOCK 6.3 BLK

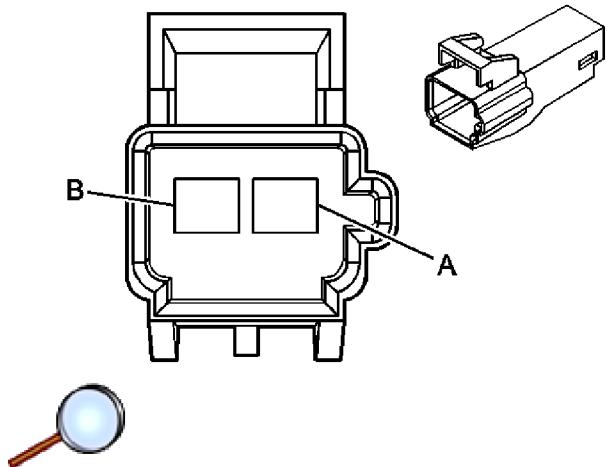
## Terminal Part Information

- | Terminal/Tray: 154717-3/24
- | Core/Insulation Crimp: A/B
- | Release Tool/Test Probe: 12094429/J-35616-42 (RD)

## Rear Window Defogger Grid - Left X2 (C49 with A12)

Pin	Wire	Circuit	Function
A	3 BK	850	Ground

## Rear Window Defogger Grid - Right (C49 with A18)



## Connector Part Information

- | OEM: 12129156
- | Service: 12129156
- | Description: 2-Way M Metri-Pack 280 Series (BK)

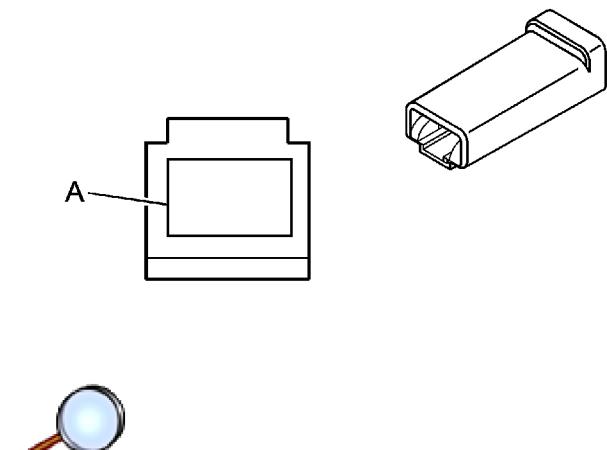
## Terminal Part Information

- | Terminal/Tray: 12084586/4
- | Core/Insulation Crimp: F/G
- | Release Tool/Test Probe: 12094430/J-35616-5 (PU)

## Rear Window Defogger Grid - Right (C49 with A18)

Pin	Wire	Circuit	Function
A	5 PU	293	Rear Defog Element Control
B	3 BK	1050	Ground

## Rear Window Defogger Grid - Right X1 (C49 with A12)



## Connector Part Information

- | OEM: 12103107
- | Service: 12103107
- | Description: CONN 1 F POS. LOCK 6.3 BLK

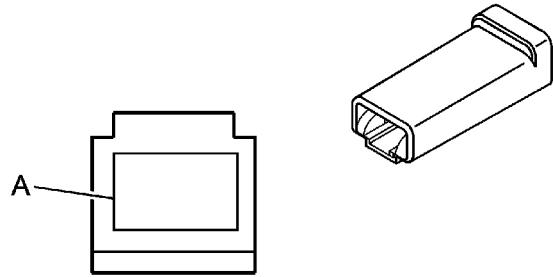
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

### Rear Window Defogger Grid - Right X1 (C49 with A12)

Pin	Wire	Circuit	Function
A	5 PU	293	Rear Defog Element Control

### Rear Window Defogger Grid - Right X2 (C49 with A12)



## Connector Part Information

- | OEM: 12103107
- | Service: 12103107
- | Description: CONN 1 F POS. LOCK 6.3 BLK

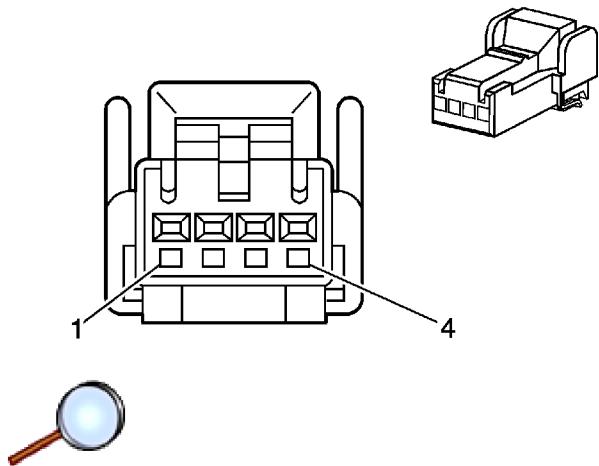
## Terminal Part Information

- | Terminal/Tray: 154717-3/24
- | Core/Insulation Crimp: A/B
- | Release Tool/Test Probe: 12094429/J-35616-42 (RD)

### Rear Window Defogger Grid - Right X2 (C49 with A12)

Pin	Wire	Circuit	Function
A	3 BK	1050	Ground

## Remote Control Door Lock Receiver (RCDLR) (AUO)



## Connector Part Information

- | OEM: 15462684
- | Service: 88988745
- | Description: 4-Way F ILAG5 Series (GN)

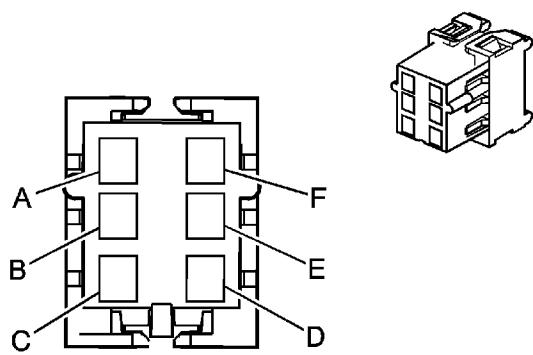
## Terminal Part Information

- | Pins: 1, 2, 4
- | Terminal/Tray: IL-AG5-C1-5000/20
- | Core/Insulation Crimp: Pins 1 - J/J
- | Core/Insulation Crimp: Pins 2, 4 - K/K
- | Release Tool/Test Probe: J-38125-211/J-35616-64B (L-BU)

## Remote Control Door Lock Receiver (RCDLR) (AUO)

Pin	Wire	Circuit	Function
1	0.5 RD/WH	5340	Battery Positive Voltage
2	0.35 D-GN	5060	Low Speed GMLAN Serial Data
3	--	--	Not Used
4	0.35 BK/WH	351	Ground

## Seat Adjuster Motor Assembly - Driver (AG1)





## Connector Part Information

- | OEM: 12015344
- | Service: 12015344
- | Description: 6-Way F Metri-Pack 280 Series (BK)

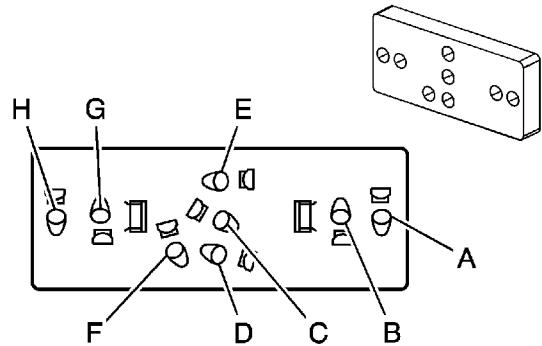
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Seat Adjuster Motor Assembly - Driver (AG1)

Pin	Wire	Circuit	Function
A	3 YE	282	Driver Seat Rear Vertical Motor Up Control
B	3 L-BU	283	Driver Seat Rear Vertical Motor Down Control
C	3 TN	285	Driver Seat Horizontal Motor Forward Control
D	3 L-GN	284	Driver Seat Horizontal Motor Rearward Control
E	3 D-GN	286	Driver Seat Front Vertical Motor Up Control
F	3 D-BU	287	Driver Seat Front Vertical Motor Down Control

## Seat Adjuster Switch - Driver (AG1)



## Connector Part Information

- | OEM: 12066386
- | Service: 12066386
- | Description: 8-Way F Pin Grip Connectors (GY)

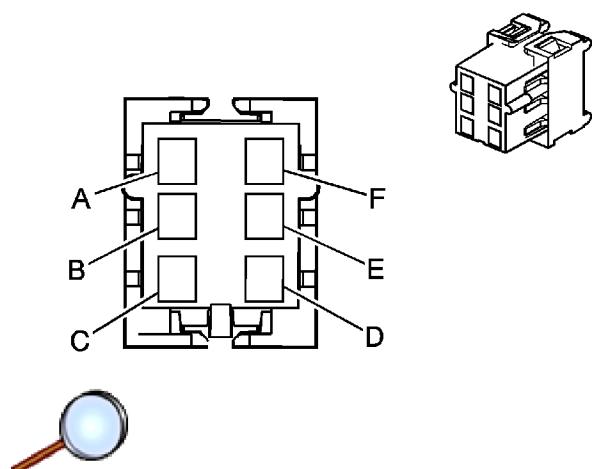
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## **Seat Adjuster Switch - Driver (AG1)**

Pin	Wire	Circuit	Function
A	3 L-BU	283	Driver Seat Rear Vertical Motor Down Control
B	3 YE	282	Driver Seat Rear Vertical Motor Up Control
C	3 BK	450	Ground
D	3 TN	285	Driver Seat Horizontal Motor Forward Control
E	3 L-GN	284	Driver Seat Horizontal Motor Rearward Control
F	3 RD/WH	3540	Battery Positive Voltage
G	3 D-BU	287	Driver Seat Front Vertical Motor Down Control
H	3 D-GN	286	Driver Seat Front Vertical Motor Up Control

## **Seat Adjuster Motor Assembly - Passenger (AG2)**



### **Connector Part Information**

- | OEM: 12015344
- | Service: 12015344
- | Description: 6-Way F Metri-Pack 280 Series (BK)

### **Terminal Part Information**

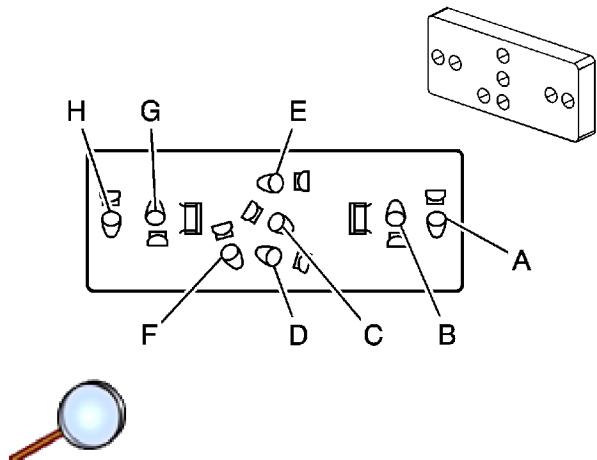
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## **Seat Adjuster Motor Assembly - Passenger (AG2)**

Pin	Wire	Circuit	Function
A	3 YE	288	Passenger Seat Rear Vertical Motor Up Control

B	3 L-BU	289	Passenger Seat Rear Vertical Motor Down Control
C	3 TN	296	Passenger Seat Horizontal Motor Forward Control
D	3 L-GN	290	Passenger Seat Horizontal Motor Rearward Control
E	3 D-GN	297	Passenger Seat Front Vertical Motor Up Control
F	3 D-BU	298	Passenger Seat Front Vertical Motor Down Control

## Seat Adjuster Switch - Passenger (AG2)



### Connector Part Information

- | OEM: 12066386
- | Service: 12066386
- | Description: 8-Way F Pin Grip Connectors (GY)

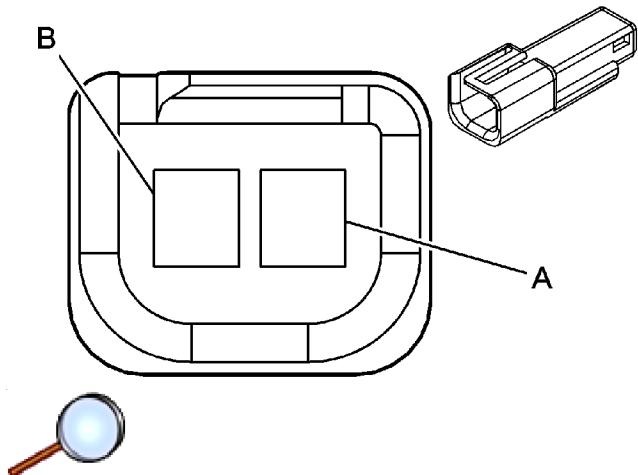
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Seat Adjuster Switch - Passenger (AG2)

Pin	Wire	Circuit	Function
A	3 L-BU	289	Passenger Seat Rear Vertical Motor Down Control
B	3 YE	288	Passenger Seat Rear Vertical Motor Up Control
C	3 BK	1850	Ground
D	3 TN	296	Passenger Seat Horizontal Motor Forward Control
E	3 L-GN	290	Passenger Seat Horizontal Motor Rearward Control
F	3 RD/WH	3540	Battery Positive Voltage
G	3 D-BU	298	Passenger Seat Front Vertical Motor Down Control
H	3 D-GN	297	Passenger Seat Front Vertical Motor Up Control

## Seat Belt Buckle - Driver



### **Connector Part Information**

- | OEM: 12047663
- | Service: 12047663
- | Description: 2-Way M Metri-Pack 150 Series (BK)

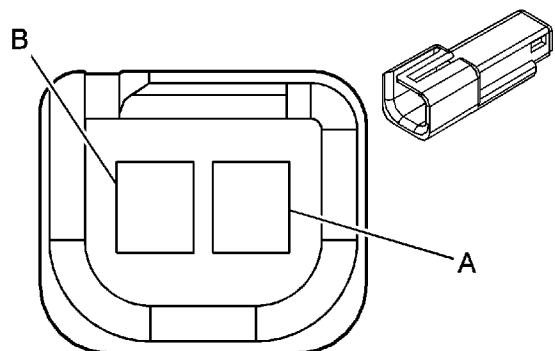
### **Terminal Part Information**

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Seat Belt Buckle - Driver

Pin	Wire	Circuit	Function
A	0.5 PK	5057	Low Reference
B	0.5 TN/WH	238	Seat Belt Switch - Left

## Seat Belt Buckle - Passenger





## Connector Part Information

- | OEM: 12048457
- | Service: 12048457
- | Description: 2-Way M Metri-Pack 150 Series (BK)

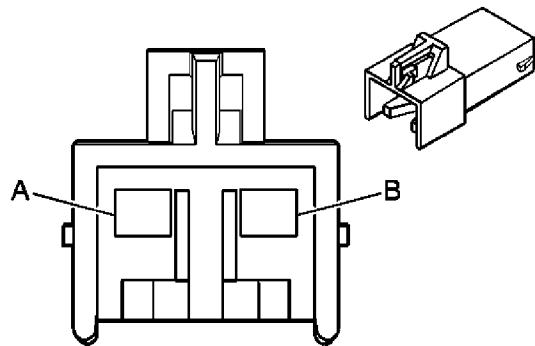
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Seat Belt Buckle - Passenger

Pin	Wire	Circuit	Function
A	0.5 PK	5057	Low Reference
B	0.5 OG	1362	Seat Belt Switch - Right - Signal

## Seat Belt Pretensioner - Driver (Light Duty)



## Connector Part Information

- | OEM: 12110288
- | Service: 12110288
- | Description: 2-Way M Metri-Pack 280 Series (YE)

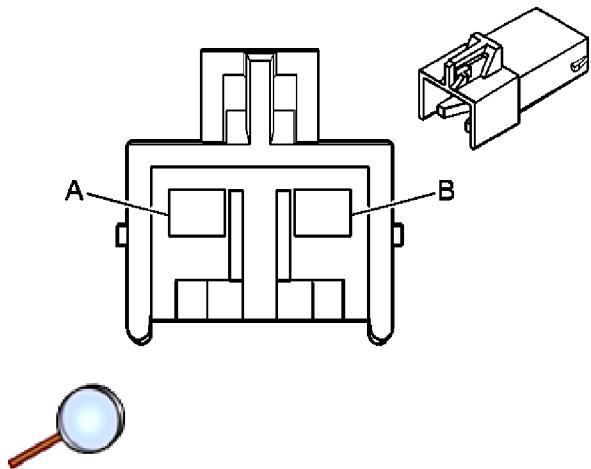
## Terminal Part Information

- | Terminal/Tray: 12034047/2
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 12094430/J-35616-5 (PU)

## Seat Belt Pretensioner - Driver (Light Duty)

Pin	Wire	Circuit	Function
A	0.5 TN/WH	2118	Seat Belt Pretensioner - Left - High Control
B	0.5 OG/BK	2119	Seat Belt Pretensioner - Left - Low Control

## Seat Belt Pretensioner - Passenger (Light Duty)



### Connector Part Information

- | OEM: 12110288
- | Service: 12110288
- | Description: 2-Way M Metri-Pack 280 Series (YE)

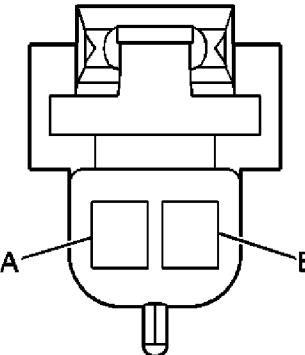
### Terminal Part Information

- | Terminal/Tray: 12034047/2
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 12094430/J-35616-5 (PU)

## Seat Belt Pretensioner - Passenger (Light Duty)

Pin	Wire	Circuit	Function
A	0.5 L-GN	2116	Seat Belt Pretensioner - Right - High Control
B	0.5 OG	2117	Seat Belt Pretensioner - Right - Low Control

## Speaker - Left Cargo Door (US8/US9)



### Connector Part Information

- | OEM: 12052832
- | Service: 12101825
- | Description: 2-Way F Metri-Pack 150 Series (BK)

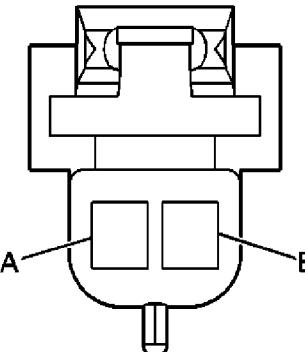
### Terminal Part Information

- | Terminal/Tray: 12047767/2
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Speaker - Left Cargo Door (US8/US9)

Pin	Wire	Circuit	Function
A	1 WH	1959	Left Rear Midrange Speaker Output (-)
B	1 TN	1859	Left Rear Midrange Speaker Output (+)

## Speaker - Left Front



### Connector Part Information

- | OEM: 12052832
- | Service: 12101825
- | Description: 2-Way F Metri-Pack 150 Series (BK)

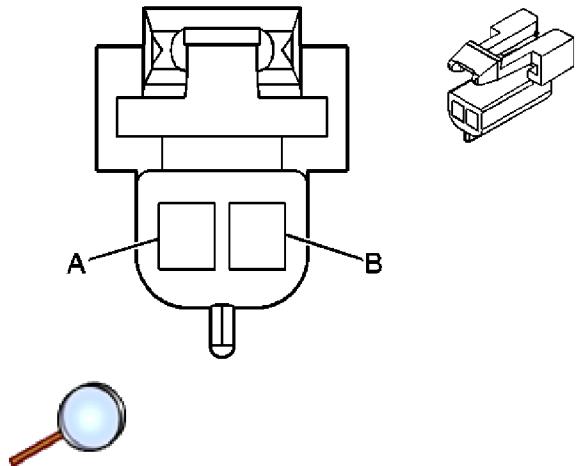
## Terminal Part Information

- | Terminal/Tray: 12047767/2
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Speaker - Left Front

Pin	Wire	Circuit	Function
A	0.8 L-BU	1957	Left Front Midrange Speaker Output (-)
B	0.8 D-BU	1857	Left Front Midrange Speaker Output (+)

## Speaker - Left Rear (Passenger/Cargo)



## Connector Part Information

- | OEM: 12052832
- | Service: 12101825
- | Description: 2-Way F Metri-Pack 150 Series (BK)

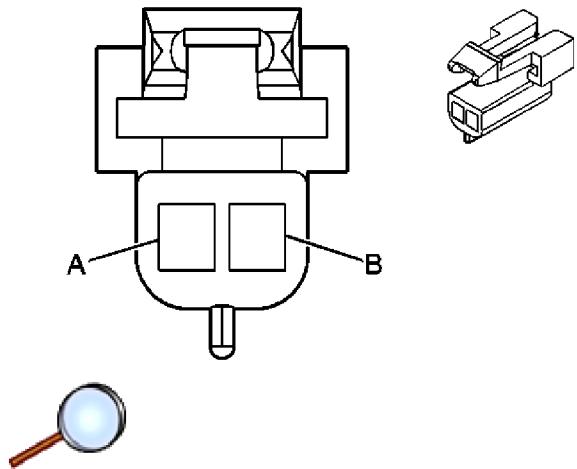
## Terminal Part Information

- | Terminal/Tray: 12047767/2
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Speaker - Left Rear (Passenger/Cargo)

Pin	Wire	Circuit	Function
A	1 WH	1959	Left Rear Midrange Speaker Output (-)
B	1 TN	1859	Left Rear Midrange Speaker Output (+)

## Speaker - Right Cargo Door (US8/US9)



### Connector Part Information

- | OEM: 12052832
- | Service: 12101825
- | Description: 2-Way F Metri-Pack 150 Series (BK)

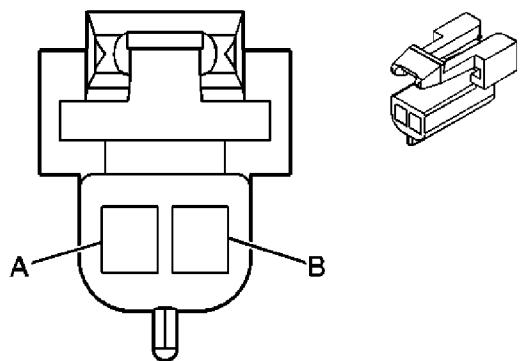
### Terminal Part Information

- | Terminal/Tray: 12047767/2
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Speaker - Right Cargo Door (US8/US9)

Pin	Wire	Circuit	Function
A	1 OG	1955	Right Rear Midrange Speaker Output (-)
B	1 TN	1855	Right Rear Midrange Speaker Output (+)

## Speaker - Right Front





## Connector Part Information

- | OEM: 12052832
- | Service: 12101825
- | Description: 2-Way F Metri-Pack 150 Series (BK)

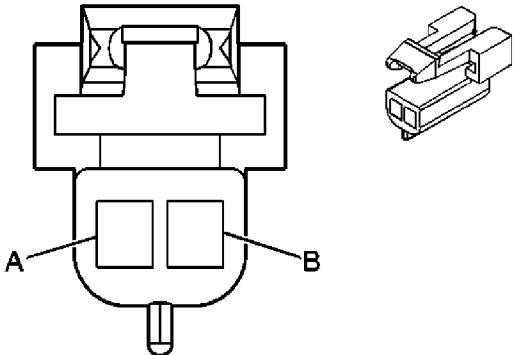
## Terminal Part Information

- | Terminal/Tray: 12047767/2
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Speaker - Right Front

Pin	Wire	Circuit	Function
A	0.8 D-GN	1953	Right Front Midrange Speaker Output (-)
B	0.8 OG	1853	Right Front Midrange Speaker Output (+)

## Speaker - Right Rear (Passenger/Cargo)



## Connector Part Information

- | OEM: 12052832
- | Service: 12101825
- | Description: 2-Way F Metri-Pack 150 Series (BK)

## Terminal Part Information

- | Terminal/Tray: 12047767/2
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Speaker - Right Rear (Passenger/Cargo)

Pin	Wire	Circuit	Function
A	1 OG	1955	Right Rear Midrange Speaker Output (-)
B	1 TN	1855	Right Rear Midrange Speaker Output (+)

## Starter Motor X1 (4.3L/4.8L/5.3L/6.0L)

### Terminal Part Information

- | Terminal: 12176602
- | Core/Insulation Crimp: N/A
- | Description: Ring Terminal

## Starter Motor X1 (4.3L/4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
A	32 RD	1	Battery Positive Voltage

## Starter Motor X1 (6.6L)

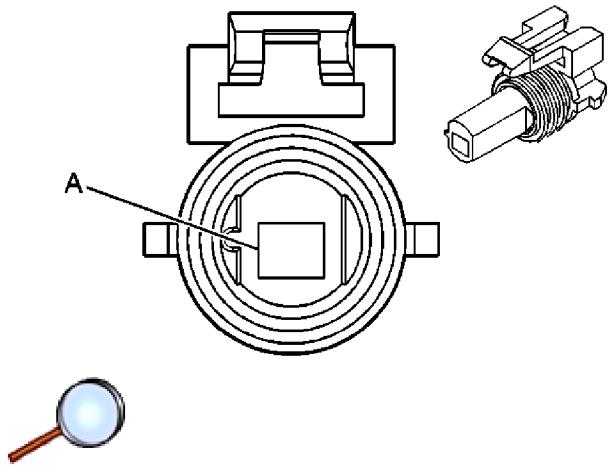
### Terminal Part Information

- | Terminal: 15358800
- | Core/Insulation Crimp: N/A
- | Description: Ring Terminal

## Starter Motor X1 (6.6L)

Pin	Wire	Circuit	Function
A	32 RD	1	Battery Positive Voltage
	32 RD	1	Battery Positive Voltage

## Starter Motor X2 (4.3L/4.8L/5.3L/6.0L)



## Connector Part Information

- | OEM: 12089916
- | Service: 12089916
- | Description: 1-Way F Metri-Pack 280 Series Sealed (BK)

## Terminal Part Information

- | Terminal/Tray: 12176387/3
- | Core/Insulation Crimp: F/5
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)

## **Starter Motor X2 (4.3L/4.8L/5.3L/6.0L)**

Pin	Wire	Circuit	Function
A	5 PU	6	Starter Solenoid Crank Voltage

## **Starter Motor X2 (6.6L)**

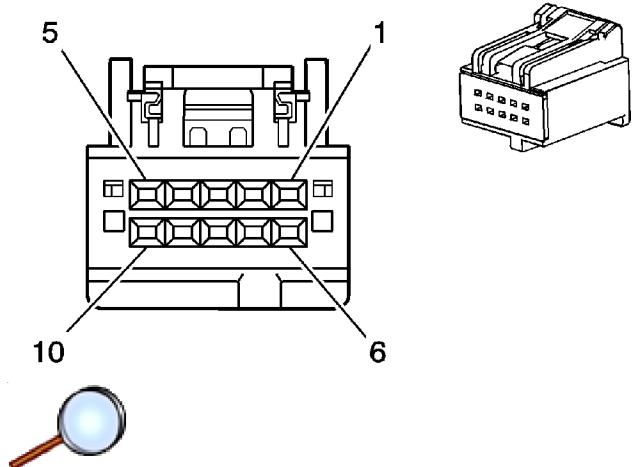
### Terminal Part Information

- | Terminal: 2965719
- | Core/Insulation Crimp: N/A
- | Description: Ring Terminal

## **Starter Motor X2 (6.6L)**

Pin	Wire	Circuit	Function
A	5 PU	6	Starter Solenoid Crank Voltage

## **Steering Wheel Control Switch - Left (K34)**



## Connector Part Information

- | OEM: 30700-1100

- | Service: See Catalog
- | Description: 10-Way F HDAC64 DR Series (GY)

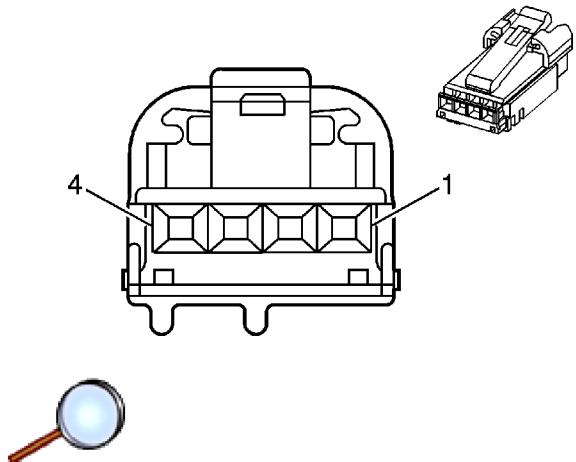
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Steering Wheel Control Switch - Left (K34)

Pin	Wire	Circuit	Function
1	0.35 YE	1444	12-Volt Reference
2	--	--	Not Used
3	0.35 GY	1884	Cruise Control Switch Signal
4-5	--	--	Not Used
6	0.35 PK	6136	Supply Voltage
7	--	--	Not Used
8	0.35 BK	350	Ground
9	0.35 D-GN/WH	7158	Cruise Control Indicator Dimming Signal
10	--	--	Not Used

## Steering Wheel Control Switch - Right (W1Y)



## Connector Part Information

- | OEM: 31068-1010
- | Service: See Catalog
- | Description: 4-Way F HDAC64 SR Housing (BK)

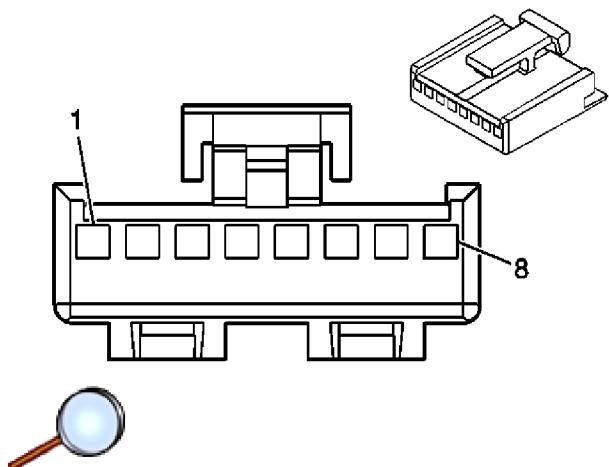
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Steering Wheel Control Switch - Right (W1Y)

Pin	Wire	Circuit	Function
1	0.35 BK	350	Ground
2	0.35 PK	6136	Supply Voltage
3	0.35 YE	1444	12-Volt Reference
4	0.35 D-GN	6818	Steering Wheel Control Signal

## Steering Wheel Speed/Position Sensor (JL4)



### Connector Part Information

- | OEM: 12052444
- | Service: 12101874
- | Description: 8-Way F Micro-Pack 100 Series (BK)

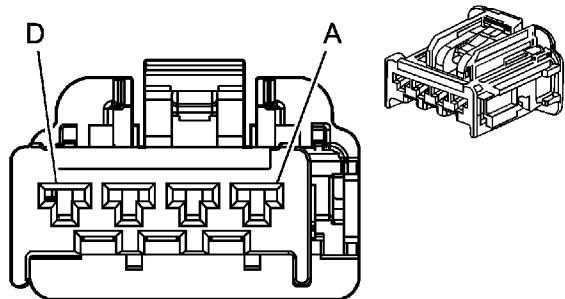
### Terminal Part Information

- | Terminal/Tray: 12146447/3
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 12031876-1/J-35616-6 (BN)

## Steering Wheel Speed/Position Sensor (JL4)

Pin	Wire	Circuit	Function
1	0.35 GY	6044	5-Volt Reference
2	0.35 OG/BK	6045	Low Reference
3	0.35 YE	6046	Steering Angle Sensor Phase A
4	0.35 D-BU	6047	Steering Angle Sensor Phase B
5	0.35 TN	6048	Steering Angle Sensor Phase C
6	0.35 L-GN	6043	Steering Angle Sensor Signal
7	0.35 PK	2239	Ignition Voltage
8	0.35 BK/WH	351	Ground

## Stop Lamp Switch



### Connector Part Information

- | OEM: 15466671
- | Service: 19149301
- | Description: 4-Way F GT 280 Series (L-GY)

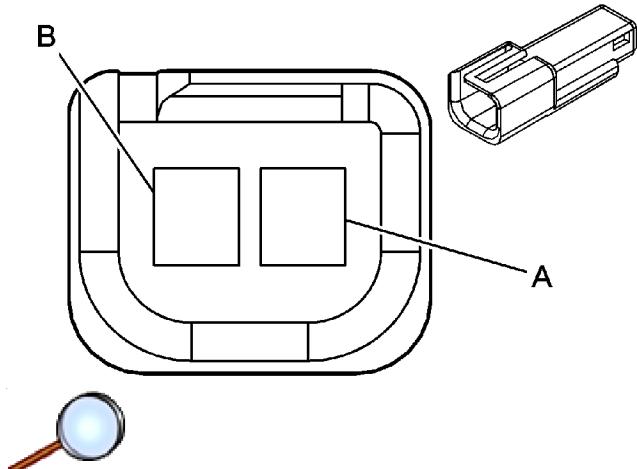
### Terminal Part Information

- | Terminal/Tray: 15304711/8
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## Stop Lamp Switch

Pin	Wire	Circuit	Function
A	0.35 L-BU/WH	6311	Torque Converter Clutch (TCC) Brake Signal
B	0.35 PK	239	Ignition Voltage
C	0.35 OG/WH	812	IP Dimming Voltage Reference
D	0.35 PU	7062	Brake Switch Signal

## Sunshade - Left (DH6 with YF7)



## Connector Part Information

- | OEM: 12047663
- | Service: 12085481
- | Description: 2-Way M Metri-Pack 150 Series (BK)

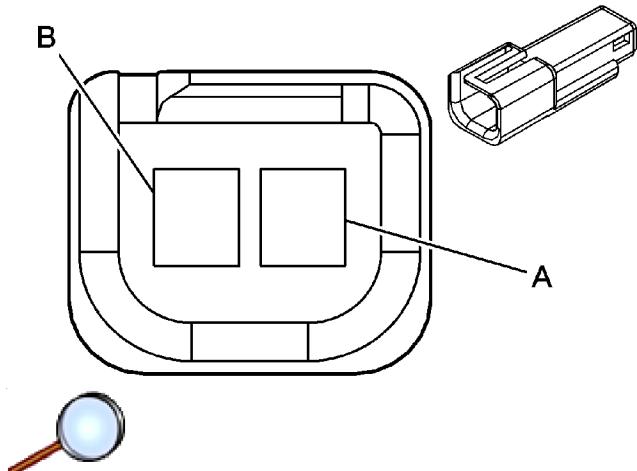
## Terminal Part Information

- | Terminal/Tray: 12047581/2
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 12094429/J-35616-3 (GY)

## Sunshade - Left (DH6 with YF7)

Pin	Wire	Circuit	Function
A	0.5 OG	1732	Courtesy Lamp Control
B	0.5 BK	1850	Ground

## Sunshade - Right (DH6)



## Connector Part Information

- | OEM: 12047663
- | Service: 12085481
- | Description: 2-Way M Metri-Pack 150 Series (BK)

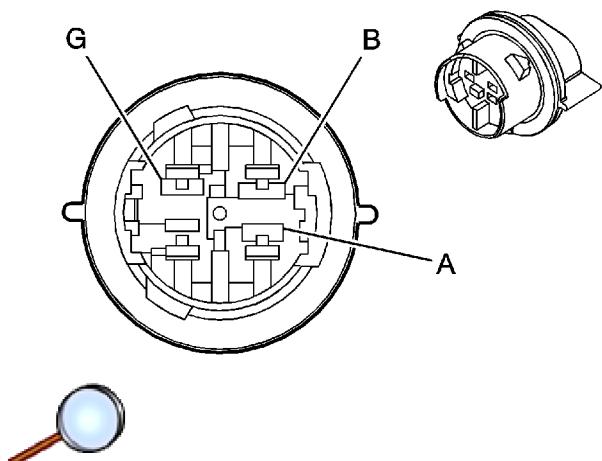
## Terminal Part Information

- | Terminal/Tray: 12047581/2
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 12094429/J-35616-3 (GY)

### Sunshade - Right (DH6)

Pin	Wire	Circuit	Function
A	0.5 OG	1732	Courtesy Lamp Control
B	0.5 BK	1850	Ground

### Tail/Stop and Turn Signal Lamp - Left (Passenger/Cargo)



## Connector Part Information

- | OEM: 16530873
- | Service: See Catalog
- | Description: 3-Way F Lamp Socket Wedge Base Sealed (WH)

## Terminal Part Information

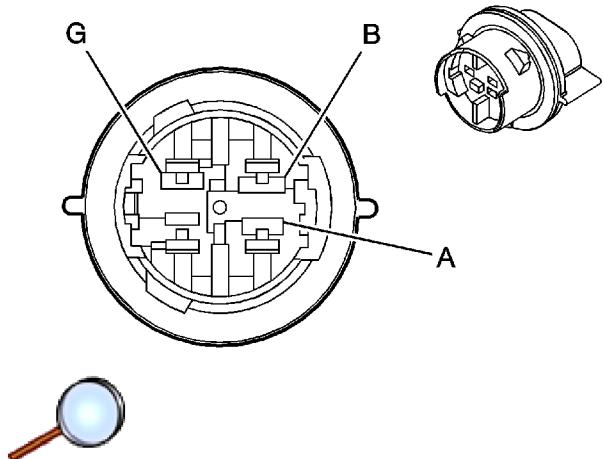
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

### Tail/Stop and Turn Signal Lamp - Left (Passenger/Cargo)

Pin	Wire	Circuit	Function
A	1 YE	618	Left Rear Turn Signal Lamp Control
B	1 BN	2509	Left Rear Park Lamps Control

G	1 BK	850	Ground
	1 BK	850	Ground

## Tail/Stop and Turn Signal Lamp - Right (Passenger/Cargo)



### Connector Part Information

- | OEM: 16530873
- | Service: See Catalog
- | Description: 3-Way F Lamp Socket Wedge Base Sealed (WH)

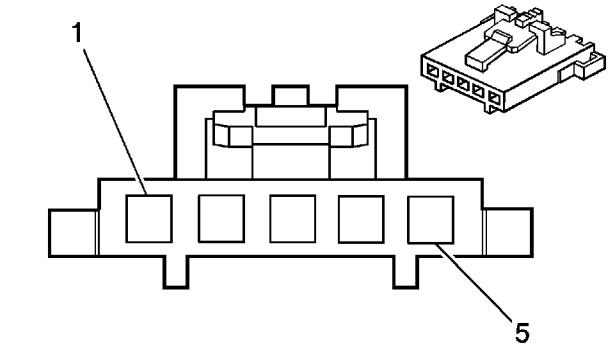
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Tail/Stop and Turn Signal Lamp - Right (Passenger/Cargo)

Pin	Wire	Circuit	Function
A	1 D-GN	619	Right Rear Turn Signal Lamp Control
B	1 BN	2609	Right Rear Park Lamps Control
G	1 BK	1050	Ground
	1 BK	1050	Ground

## Theft Deterrent Module (TDM)



## Connector Part Information

- | OEM: 15383337
- | Service: 88988353
- | Description: 5-Way F SL Series (BK)

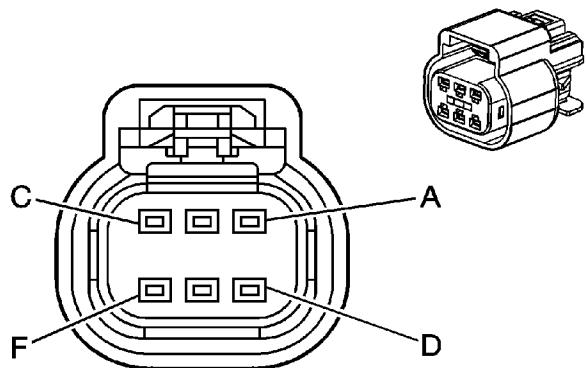
## Terminal Part Information

- | Terminal/Tray: 16-02-1110/20
- | Core/Insulation Crimp: H/H
- | Release Tool/Test Probe: J-38125-213/J-35616-64B (L-BU)

## Theft Deterrent Module (TDM)

Pin	Wire	Circuit	Function
1	0.35 RD/WH	540	Battery Positive Voltage
2	0.35 BN	4	Ignition Voltage
3	0.35 BK/WH	351	Ground
4	0.35 D-GN	5060	Low Speed GMLAN Serial Data
5	--	--	Not Used

## Throttle Body (4.3L/4.8L/5.3L/6.0L)





## Connector Part Information

- | OEM: 15355297
- | Service: 19115594
- | Description: 6-Way F GT 150 Series Sealed (BK)

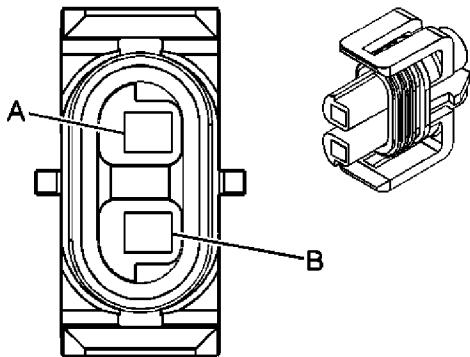
## Terminal Part Information

- | Terminal/Tray: 15326427/5
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## **Throttle Body (4.3L/4.8L/5.3L/6.0L)**

Pin	Wire	Circuit	Function
A	0.5 BN	582	Throttle Actuator Control Motor Control - 2
B	0.5 YE	581	Throttle Actuator Control Motor Control - 1
C	0.35 TN	2752	Low Reference
D	0.35 D-GN	485	Throttle Position (TP) Sensor 1 Signal
E	0.35 GY	2701	5-Volt Reference
F	0.35 PU	486	Throttle Position (TP) Sensor 2 Signal

## **Torque Converter Clutch (TCC) Pulse Width Modulated (PWM) Solenoid Valve (4L80-E)**



## Connector Part Information

- | OEM: 12162205
- | Service: 12162205
- | Description: 2-Way F Metri-Pack 150.2 P2S (GY)

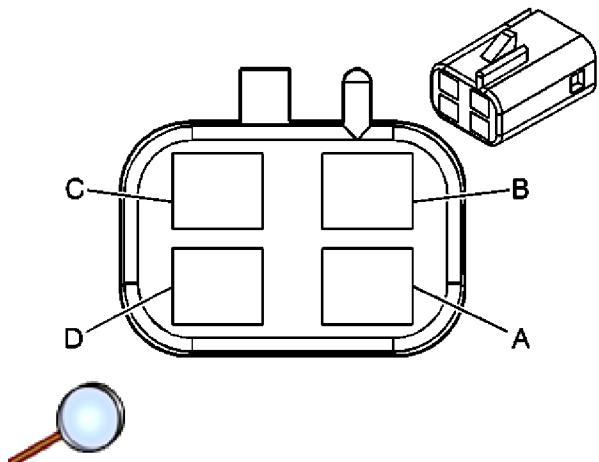
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Torque Converter Clutch (TCC) Pulse Width Modulated (PWM) Solenoid Valve (4L80-E)

Pin	Wire	Circuit	Function
A	0.5 RD	839	Ignition Voltage
B	0.5 BK	418	Torque Converter Clutch Pulse Width Modulation (TCC PWM) Solenoid Valve Control

## Tow/Haul Switch



## Connector Part Information

- | OEM: 12047785
- | Service: 12102900
- | Description: 4-Way F Metri-Pack 150 Series (BK)

## Terminal Part Information

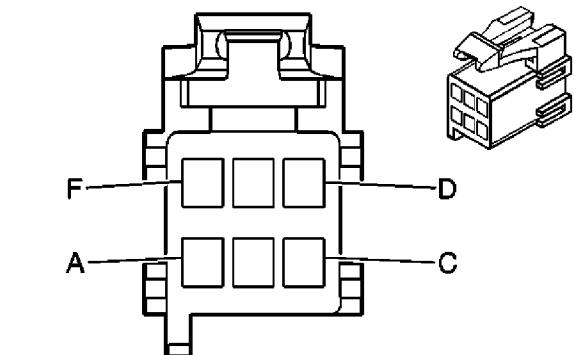
- | Pins: A, B, D
- | Terminal/Tray: 12064971/5
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Tow/Haul Switch

Pin	Wire	Circuit	Function
A	0.5 BK/WH	351	Ground
B	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control

C	--	--	Not Used
D	0.35 L-BU	1788	Tow/Haul Switch Signal

## Traction Control Switch (TCS) (JL4)



### Connector Part Information

- | OEM: 12177195
- | Service: 12177195
- | Description: 6-Way F Metri-Pack 150 Series (BK)

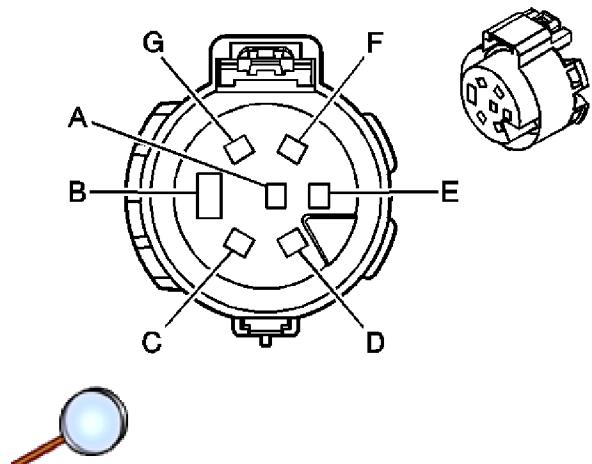
### Terminal Part Information

- | Pins: C, D, F
- | Terminal/Tray: 12129484/19
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Traction Control Switch (TCS) (JL4)

Pin	Wire	Circuit	Function
A-B	--	--	Not Used
C	0.35 BK/WH	351	Ground
D	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control
E	--	--	Not Used
F	0.5 D-BU	6727	Traction Control Preference Switch Signal

## Trailer Connector (UY7)



## Connector Part Information

- | OEM: 15354653
- | Service: 15354653
- | Description: 7-Way F Metri-Pack 280, Sealed (BK)

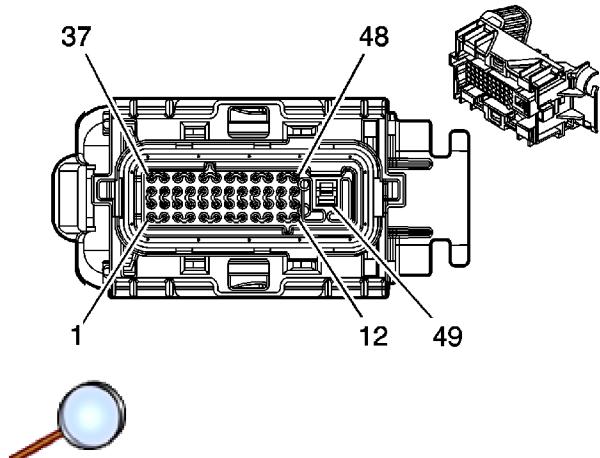
## Terminal Part Information

- | Pins: A-G
- | Terminal/Tray: 12110845/4
- | Core/Insulation Crimp: Pins A, B, D, F, G - See Terminal Repair Kit
- | Core/Insulation Crimp: Pins C, E - F/5
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## Trailer Connector (UY7)

Pin	Wire	Circuit	Function
A	1 L-GN	1624	Trailer Backup Lamps Control
B	8 WH	22	Ground
C	3 D-BU	47	Trailer Auxiliary Control
D	1 D-GN	1619	Trailer Right Rear Turn/Stop Lamp Control
E	3 RD/BK	742	Battery Positive Voltage
F	1 BN	2109	Trailer Park Lamps Control
G	1 YE	1618	Trailer Left Rear Turn/Stop Lamp Control

## Transmission Control Module (TCM) (4.3L/4.8L/5.3L/6.0L)



## Connector Part Information

- | OEM: 15463921
- | Service: 88987979
- | Description: 49-Way F GT 280 Micro-Pack 64 Sealed (BK)

## Terminal Part Information

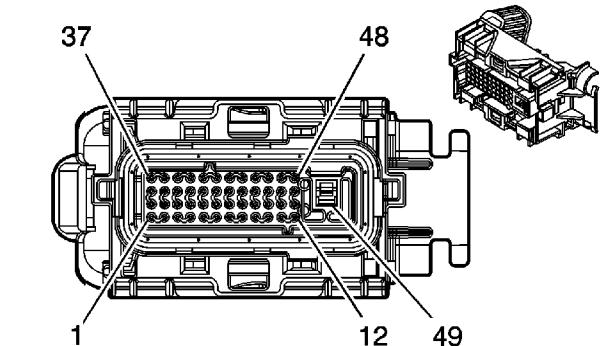
- | Pins: 1-3, 5-7, 11, 14-17, 19, 20, 23-26, 29, 30-33, 35, 37-42, 44-46
- | Terminal/Tray: 15359541/4
- | Core/Insulation Crimp: M/M
- | Release Tool/Test Probe: 15381651-2/J-35616-64B (L-BU)
  
- | Pins: 49
- | Terminal/Tray: 15392777/23
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: J-38125-553/J-35616-4A (PU)

## Transmission Control Module (TCM) (4.3L/4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function
1	0.5 BN	418	Torque Converter Clutch Pulse Width Modulation (TCC PWM) Solenoid Valve Control
2	0.5 L-GN	1222	Shift Solenoid A Valve Control
3	0.5 OG/BK	1230	Automatic Transmission Input Speed Sensor (AT ISS) High Signal
4	--	--	Not Used
5	0.5 OG/BK	6399	Replicated TOS Signal
6	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
7	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
8-10	--	--	Not Used
11	0.5 D-BU	5985	Accessory Wakeup Serial Data
12-14	--	--	Not Used
15	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
16	0.5 L-GN/BK	822	Vehicle Speed Sensor (VSS) Low Signal

17	0.35 L-BU/WH	1229	PC Solenoid Valve Low Control (Sol. A)
18	--	--	Not Used
19	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
20	0.5 YE/BK	1223	Shift Solenoid B Valve Control
21-22	--	--	Not Used
23	0.35 GY	773	Transmission Range Switch Signal C
24	0.35 PK	1224	Transmission Fluid Pressure Switch Signal A (4L80)
25	0.5 TN/BK	422	Torque Converter Clutch (TCC) Solenoid Valve Control (4L60)
26	0.5 D-BU/WH	1231	Automatic Transmission Input Speed Sensor (AT ISS) Low Signal (4L80)
27-28	--	--	Not Used
29	0.35 TN/WH	771	Transmission Range Switch Signal A
30	0.35 TN	452	Low Reference
31	0.5 PK	2139	Ignition Voltage
32	0.35 RD/WH	1840	Battery Positive Voltage
33	0.35 OG	1226	Transmission Fluid Pressure Switch Signal C (4L80)
34	--	--	Not Used
35	0.35 YE/BK	1227	Transmission Fluid Temperature (TFT) Sensor Signal
36	--	--	Not Used
37	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
38	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
39	0.35 WH	776	Transmission Range Switch Signal P
40	0.35 OG/BK	1228	PC Solenoid Valve High Control (Sol. A)
41	0.5 PU/WH	821	Vehicle Speed Sensor (VSS) High Signal
42	0.5 L-BU/WH	6311	Torque Converter Clutch (TCC) Brake Signal
43	--	--	Not Used
44	0.35 D-BU	1225	Transmission Fluid Pressure Switch Signal B (4L80)
45	0.35 D-BU/WH	1231	Low Reference (4L60)
46	0.35 YE	772	Transmission Range Switch Signal B
47-48	--	--	Not Used
49	2 BK/WH	1551	Ground

## Transmission Control Module (TCM) (6.6L)



## Connector Part Information

- | OEM: 15463921
- | Service: 88987979
- | Description: 49-Way F GT 280 Micro-Pack 64 Sealed (BK)

## Terminal Part Information

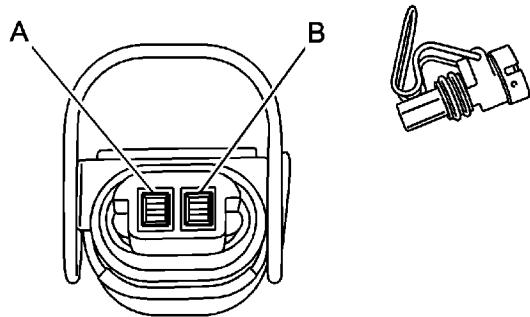
- | Pins: 1-3, 5-7, 11, 15-17, 19, 20, 23, 24, 26, 29-33, 35, 37-42, 44, 46
- | Terminal/Tray: 15359541/4
- | Core/Insulation Crimp: M/M
- | Release Tool/Test Probe: 15381651-2/J-35616-64B (L-BU)
  
- | Pins: 49
- | Terminal/Tray: 15392777/23
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: J-38125-553/J-35616-4A (PU)

## Transmission Control Module (TCM) (6.6L)

Pin	Wire	Circuit	Function
1	0.5 BN	418	Torque Converter Clutch Pulse Width Modulation (TCC PWM) Solenoid Valve Control
2	0.5 L-GN	1222	Shift Solenoid A Valve Control
3	0.5 OG/BK	1230	Automatic Transmission Input Speed Sensor (AT ISS) High Signal
4	--	--	Not Used
5	0.5 OG/BK	6399	Replicated TOS Signal
6	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
7	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
8-10	--	--	Not Used
11	0.5 D-BU	5985	Accessory Wakeup Serial Data
12-14	--	--	Not Used
15	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
	0.5 L-		

16	GN/BK	822	Vehicle Speed Sensor (VSS) Low Signal
17	0.35 L-BU/WH	1229	PC Solenoid Valve Low Control (Sol. A)
18	--	--	Not Used
19	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
20	0.5 YE/BK	1223	Shift Solenoid B Valve Control
21-22	--	--	Not Used
23	0.5 GY	773	Transmission Range Switch Signal C
24	0.35 PK	1224	Transmission Fluid Pressure Switch Signal A
25	--	--	Not Used
26	0.5 D-BU/WH	1231	Automatic Transmission Input Speed Sensor (AT ISS) Low Signal
27-28	--	--	Not Used
29	0.5 TN/WH	771	Transmission Range Switch Signal A
30	0.35 TN	452	Low Reference
31	0.5 PK	2139	Ignition Voltage
32	0.35 RD/WH	1840	Battery Positive Voltage
33	0.35 OG	1226	Transmission Fluid Pressure Switch Signal C
34	--	--	Not Used
35	0.35 YE/BK	1227	Transmission Fluid Temperature (TFT) Sensor Signal
36	--	--	Not Used
37	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
38	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
39	0.5 WH	776	Transmission Range Switch Signal P
40	0.35 OG/BK	1228	PC Solenoid Valve High Control (Sol. A)
41	0.5 PU/WH	821	Vehicle Speed Sensor (VSS) High Signal
42	0.5 L-BU/WH	6311	Torque Converter Clutch (TCC) Brake Signal
43	--	--	Not Used
44	0.35 D-BU	1225	Transmission Fluid Pressure Switch Signal B
45	--	--	Not Used
46	0.5 YE	772	Transmission Range Switch Signal B
47-48	--	--	Not Used
49	2 BK/WH	1551	Ground

## Turbocharger Vane Position Control Solenoid Valve (6.6L)



### Connector Part Information

- | OEM: PR-IA020070097
- | Service: See Catalog
- | Description: 2-Way F Sealed (WH)

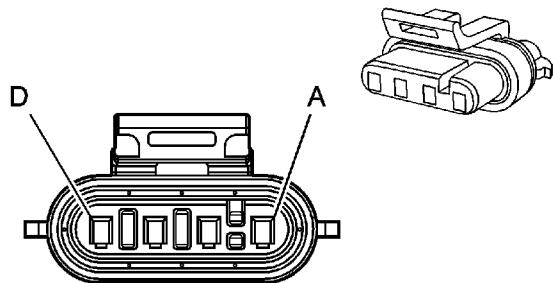
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Turbocharger Vane Position Control Solenoid Valve (6.6L)

Pin	Wire	Circuit	Function
A	0.5 D-BU	IC170	Turbocharger Vane Position Control Solenoid Valve Control
B	0.5 WH	IC171	Low Reference

## Turbocharger Vane Position Sensor (6.6L)



### Connector Part Information

- | OEM: 12191366
- | Service: 88988603
- | Description: 4-Way F Metri-Pack 150 Series Sealed (L-GY)

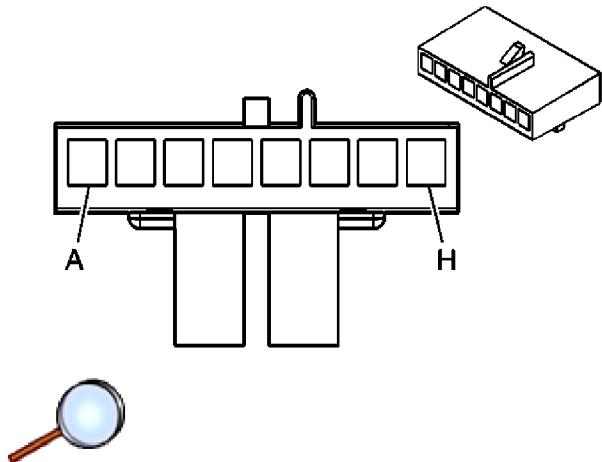
## Terminal Part Information

- | Terminal/Tray: 12160223/3
- | Core/Insulation Crimp: See E/1
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Turbocharger Vane Position Sensor (6.6L)

Pin	Wire	Circuit	Function
A	0.5 TN	IC160	5-Volt Reference
B	0.5 OG/BK	IC161	Low Reference
C	0.5 YE	IC162	Turbocharger Vane Position Sensor Signal
D	--	--	Not Used

## Turn Signal/Multifunction Switch X1



## Connector Part Information

- | OEM: 15466859
- | Service: See Catalog
- | Description: 8-Way F Metri-Pack 150 Series (L-GY)

## Terminal Part Information

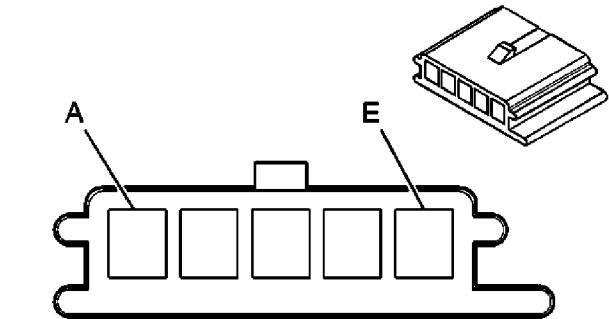
- | Pins: C-G
- | Terminal/Tray: 12064971/5
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Turn Signal/Multifunction Switch X1

Pin	Wire	Circuit	Function

A-B	--	--	Not Used
C	0.35 BK/WH	351	Ground
D	0.35 TN	664	Hazard Switch Turn Right Signal
E	0.35 D-GN	663	Hazard Switch Left Turn Signal
F	0.35 BK/WH	351	Ground
G	0.35 WH	111	Theft Deterrent Alarm Enable Signal
H	--	--	Not Used

## Turn Signal/Multifunction Switch X2



### Connector Part Information

- | OEM: 15466858
- | Service: See Catalog
- | Description: 5-Way F Metri-Pack 150 Series (CM)

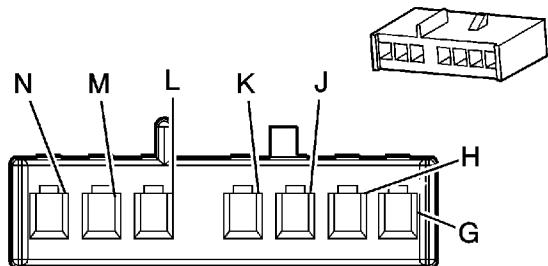
### Terminal Part Information

- | Pins: C-E
- | Terminal/Tray: 12064971/5
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Turn Signal/Multifunction Switch X2

Pin	Wire	Circuit	Function
A-B	--	--	Not Used
C	0.35 YE	525	Headlamp Dimmer Switch Low Beam Signal
D	0.35 BK/WH	351	Ground
E	0.35 YE	307	Headlamp Switch Flash to Pass Signal

## Turn Signal/Multifunction Switch X3



## Connector Part Information

- | OEM: 15339058
- | Service: See Catalog
- | Description: 7-Way F Metri-Pack 150 Series (GY)

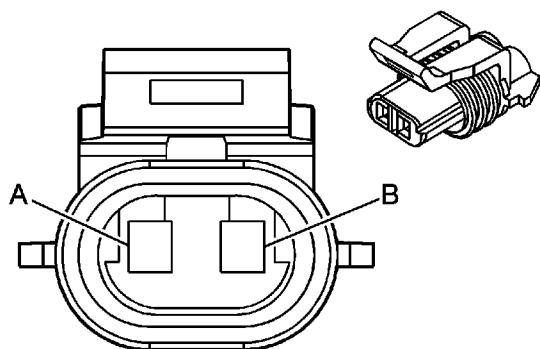
## Terminal Part Information

- | Terminal/Tray: 12064971/5
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Turn Signal/Multifunction Switch X3

Pin	Wire	Circuit	Function
G-J	--	--	Not Used
K	0.35 L-GN	1715	Windshield Wiper Switch High Signal
L	0.35 PK	94	Windshield Washer Switch Signal
M	0.35 TN/BK	6009	Low Reference
N	0.35 L-BU	1714	Windshield Wiper Switch Low Signal

## Underhood Lamp





## Connector Part Information

- | OEM: 12052644
- | Service: 12052644
- | Description: 2-Way F Metri-Pack 150 Series Sealed (GY)

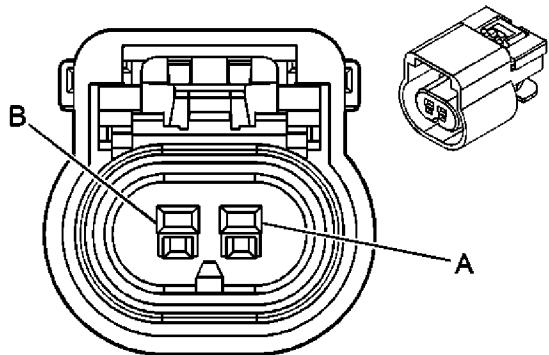
## Terminal Part Information

- | Terminal/Tray: 12048074/2
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Underhood Lamp

Pin	Wire	Circuit	Function
A	0.5 OG	1732	Courtesy Lamp Control
B	0.5 BK	1250	Ground

## Vacuum Pump (6.6L)



## Connector Part Information

- | OEM: 15326802
- | Service: 15326802
- | Description: 2-Way F 150 Series Sealed (BK)

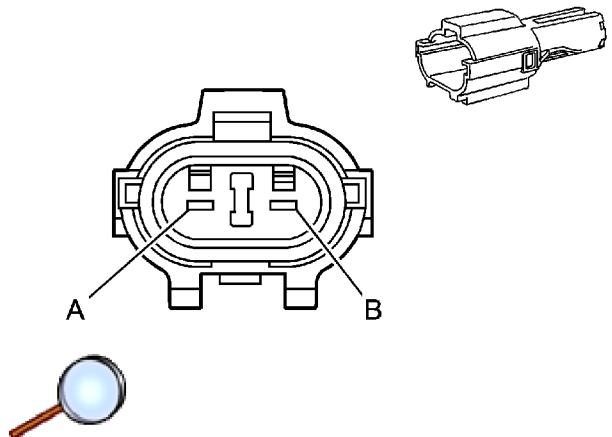
## Terminal Part Information

- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: 2/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Vacuum Pump (6.6L)

Pin	Wire	Circuit	Function
A	0.8 BK	1250	Ground
B	0.8 BN	141	Ignition Voltage

## Water in Fuel Sensor (6.6L)



### Connector Part Information

- | OEM: 7322-1424-40
- | Service: 94447499
- | Description: 2-Way M Sealed (L-GY)

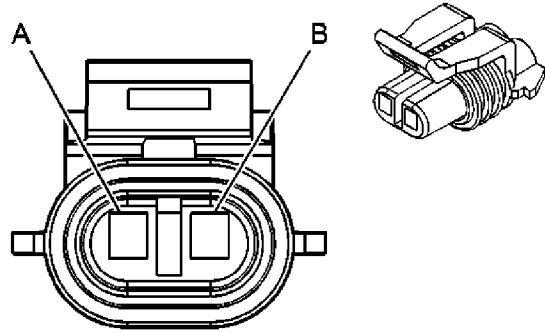
### Terminal Part Information

- | Terminal/Tray: 7114-1471/12
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 12094429/J-35616-34 (YE)

## Water in Fuel Sensor (6.6L)

Pin	Wire	Circuit	Function
A	0.5 YE/BK	508	Water In Fuel Indicator Control
B	0.5 D-BU	6863	Low Reference

## Wheel Speed Sensor (WSS) - Left Front



### Connector Part Information

- | OEM: 12052641
- | Service: 12102747
- | Description: 2-Way F Metri-Pack 150 Series Sealed (BK)

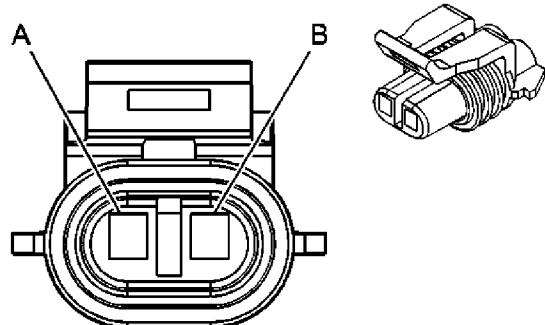
### Terminal Part Information

- | Terminal/Tray: 12048074/2
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Wheel Speed Sensor (WSS) - Left Front

Pin	Wire	Circuit	Function
A	0.5 YE	873	Low Reference
B	0.5 L-BU	830	Left Front Wheel Speed Sensor Signal

## Wheel Speed Sensor (WSS) - Left Rear (JL4)



### Connector Part Information

- | OEM: 12052641
- | Service: 12052641
- | Description: 2-Way F Metri-Pack 150 Series Sealed (BK)

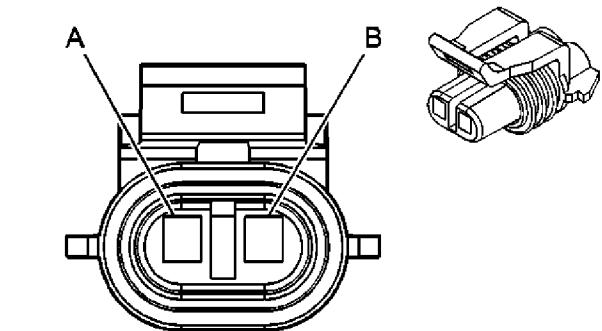
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Wheel Speed Sensor (WSS) - Left Rear (JL4)

Pin	Wire	Circuit	Function
A	0.5 BK	885	Low Reference
B	0.5 RD	884	Left Rear Wheel Speed Sensor Signal

## Wheel Speed Sensor (WSS) - Right Front



## Connector Part Information

- | OEM: 12052641
- | Service: 12102747
- | Description: 2-Way F Metri-Pack 150 Series Sealed (BK)

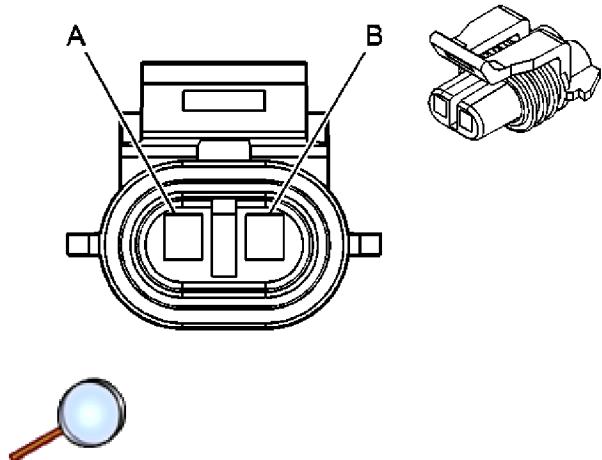
## Terminal Part Information

- | Terminal/Tray: 12048074/2
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Wheel Speed Sensor (WSS) - Right Front

Pin	Wire	Circuit	Function
A	0.5 TN	833	Low Reference
B	0.5 D-GN	872	Right Front Wheel Speed Sensor Signal

## Wheel Speed Sensor (WSS) - Right Rear (JL4)



### **Connector Part Information**

- | OEM: 12052641
- | Service: 12052641
- | Description: 2-Way F Metri-Pack 150 Series Sealed (BK)

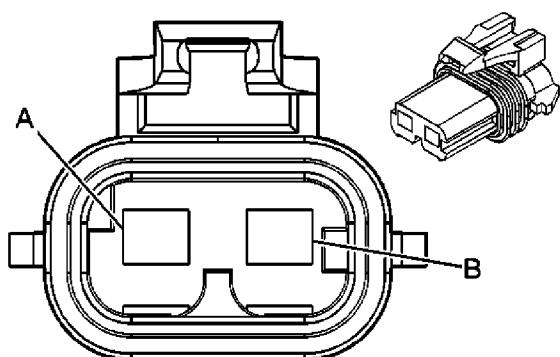
### **Terminal Part Information**

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Wheel Speed Sensor (WSS) - Right Rear (JL4)

Pin	Wire	Circuit	Function
A	0.5 BN	883	Low Reference
B	0.5 WH	882	Right Rear Wheel Speed Sensor Signal

## Window Motor - Driver (A31)





## Connector Part Information

- | OEM: 12129487
- | Service: 12129487
- | Description: 2-Way F Metri-Pack 280 Series Flexlock Sealed (GY)

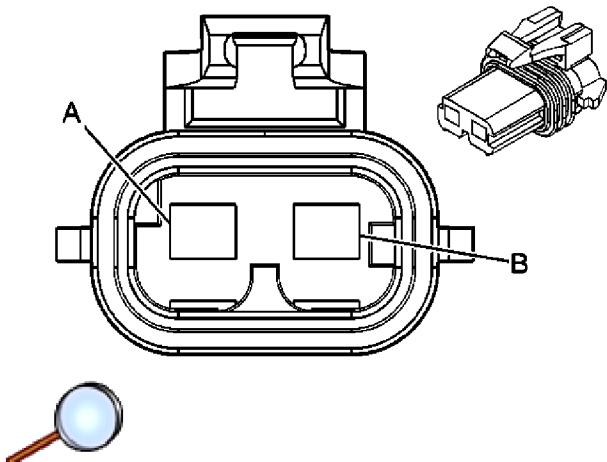
## Terminal Part Information

- | Terminal/Tray: 12110845/4
- | Core/Insulation Crimp: F/5
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## Window Motor - Driver (A31)

Pin	Wire	Circuit	Function
A	3 BN	165	Power Window Motor Left Front Down Control
B	3 D-BU	164	Power Window Motor Left Front Up Control

## Window Motor - Passenger (A31)



## Connector Part Information

- | OEM: 12129487
- | Service: 12129487
- | Description: 2-Way F Metri-Pack 280 Series Flexlock Sealed (GY)

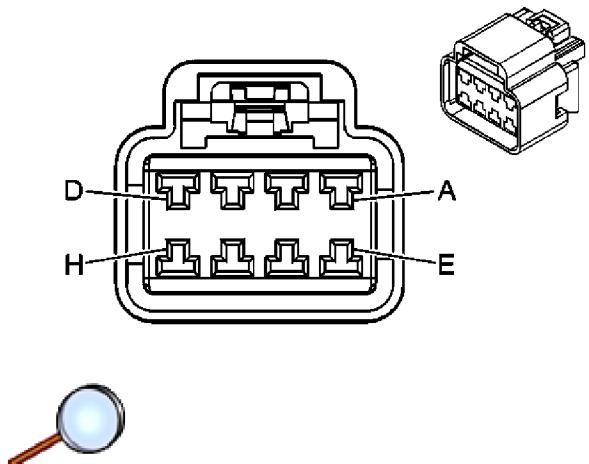
## Terminal Part Information

- | Terminal/Tray: 12110845/4
- | Core/Insulation Crimp: F/5
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## Window Motor - Passenger (A31)

Pin	Wire	Circuit	Function
A	3 BN	667	Power Window Motor Right Front Down Control
B	3 D-BU	666	Power Window Motor Right Front Up Control

## Window Switch - Driver (A31)



### Connector Part Information

- | OEM: 15326924
- | Service: 15326924
- | Description: 8-Way F GT 280 Series (BK)

### Terminal Part Information

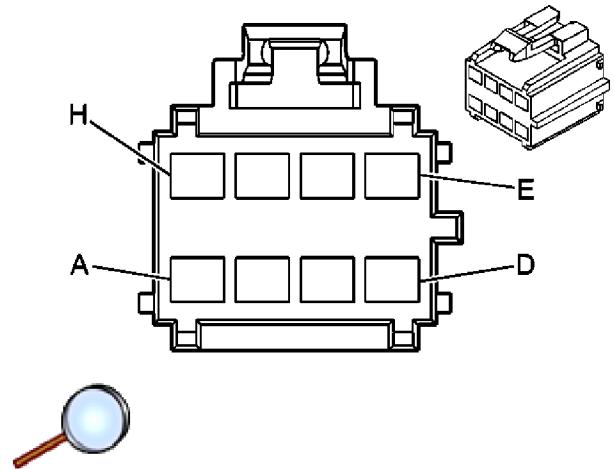
- | Pins: A, C, D, F-H
- | Terminal/Tray: 15304713/19
- | Core/Insulation Crimp: F/D
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)
  
- | Pins: B
- | Terminal/Tray: 15304711/8
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## Window Switch - Driver (A31)

Pin	Wire	Circuit	Function
A	3 L-BU	166	Power Window Master Switch Right Front Up Signal
B	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control
C	3 D-GN	1001	RAP 12-Volt Fuse Control
D	3 TN	167	Power Window Master Switch Right Front Down Signal
E	--	--	Not Used
F	3 BK	450	Ground
G	3 D-BU	164	Power Window Motor Left Front Up Control

H	3 BN	165	Power Window Motor Left Front Down Control
---	------	-----	--

## Window Switch - Passenger (A31)



### Connector Part Information

- | OEM: 12191825
- | Service: 12191825
- | Description: 8-Way F Metri-Pack 280 Series (BN)

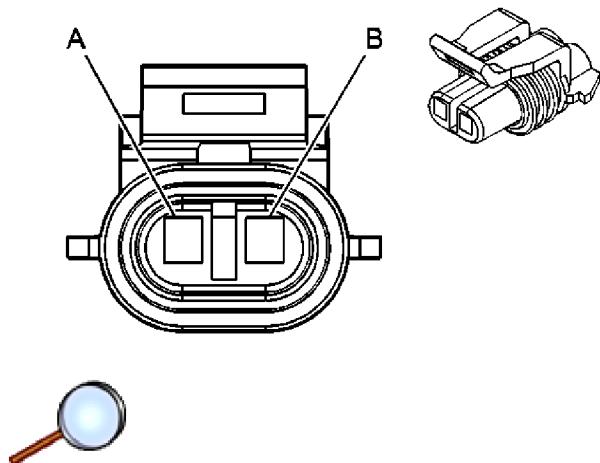
### Terminal Part Information

- | Pins: A, D, F-H
- | Terminal/Tray: 15304713/19
- | Core/Insulation Crimp: F/D
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)
  
- | Pins: B, C
- | Terminal/Tray: 15304711/8
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## Window Switch - Passenger (A31)

Pin	Wire	Circuit	Function
A	3 D-GN	1001	RAP 12-Volt Fuse Control
B	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control
C	0.35 BK	1850	Ground
D	3 TN	167	Power Window Master Switch Right Front Down Signal
E	--	--	Not Used
F	3 BN	667	Power Window Motor Right Front Down Control
G	3 D-BU	666	Power Window Motor Right Front Up Control
H	3 L-BU	166	Power Window Master Switch Right Front Up Signal

## Windshield Washer Fluid Pump



### Connector Part Information

- | OEM: 12052641
- | Service: 12102747
- | Description: 2-Way F Metri-Pack 150 Series Sealed (BK)

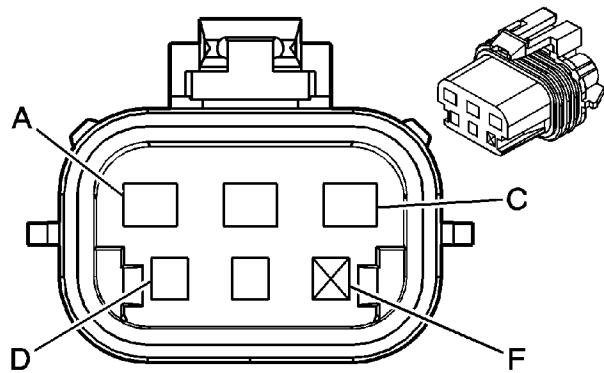
### Terminal Part Information

- | Terminal/Tray: 12048074/2
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Windshield Washer Fluid Pump

Pin	Wire	Circuit	Function
A	0.5 OG	228	Windshield Washer Pump Control
B	0.5 BK	350	Ground

## Windshield Wiper Motor





## Connector Part Information

- | OEM: 12129126
- | Service: 12129126
- | Description: 6-Way F Metri-Pack Mixed Series Sealed (BK)

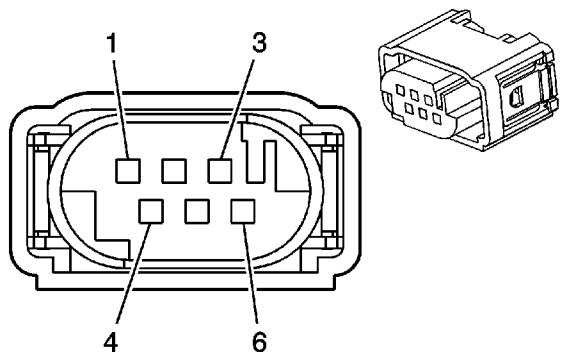
## Terminal Part Information

- | Pins: A-C
- | Terminal/Tray: 12129493/2
- | Core/Insulation Crimp: 4/5
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)
  
- | Pins: D, E
- | Terminal/Tray: 12048074/2
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

## Windshield Wiper Motor

Pin	Wire	Circuit	Function
A	2 BK	1250	Ground
B	2 D-GN	95	Windshield Washer Switch Signal
C	2 PU	92	Windshield Wiper Motor High Speed
D	0.35 BK/WH	351	Ground
E	0.35 YE	196	Windshield Wiper Motor Park Switch Signal
F	--	--	Not Used

## Yaw and Lateral Accelerometer Sensor (JL4)



## Connector Part Information

- | OEM: 15355474
- | Service: 15355474
- | Description: 6-Way F MQS Socket Housing, Sealed (BK)

## Terminal Part Information

- | Pins: 1-3, 6
- | Terminal/Tray: 962885-5/15
- | Core/Insulation Crimp: 6/6
- | Release Tool/Test Probe: 12094429/J-35616-64B (L-BU)

## Yaw and Lateral Accelerometer Sensor (JL4)

Pin	Wire	Circuit	Function
1	0.5 GY/BK	1337	12-Volt Reference
2	0.5 BN/WH	6437	CAN Bus High Terminated Serial Data
3	0.5 WH/BK	6436	CAN Bus Low Terminated Serial Data
4-5	--	--	Not Used
6	0.5 BK/PU	7499	Low Reference

## Splice Pack Connector End Views

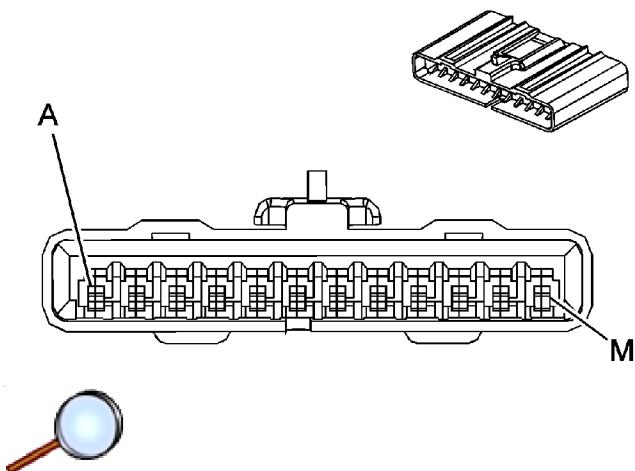
Connector 1: [JX200](#)

Connector 2: [JX250](#)

Connector 3: [JX347](#)

Connector 4: [JX348](#)

### JX200



### Connector Part Information

- | OEM: 12176461
- | Service: 12176461
- | Description: 12-Way F GT 150 Splice Saver (BK)

### Terminal Part Information

- | Terminal/Tray: 12191812/19
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

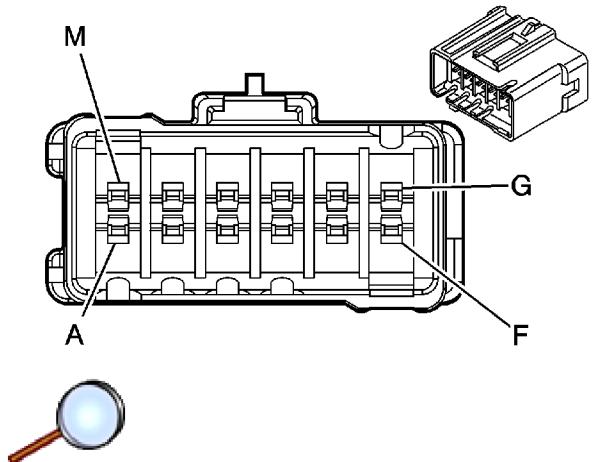
### JX200

Pin	Wire	Circuit	Function
A	0.35 D-GN	5060	Low Speed GMLAN Serial Data
B	0.35 D-GN	5060	Low Speed GMLAN Serial Data
C	0.35 D-GN	5060	Low Speed GMLAN Serial Data (AU0)
D	0.35 D-GN	5060	Low Speed GMLAN Serial Data
E	0.35 D-GN	5060	Low Speed GMLAN Serial Data
F	0.35 D-GN	5060	Low Speed GMLAN Serial Data
G	0.35 D-GN	5060	Low Speed GMLAN Serial Data

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H	--	--	Not Used
J	0.35 D-GN	5060	Low Speed GMLAN Serial Data (Light Duty without YF7)
K-M	--	--	Not Used

## JX250



### Connector Part Information

- | OEM: 15305288
- | Service: 15305288
- | Description: 12-Way F Metri-Pack 280 (BK)

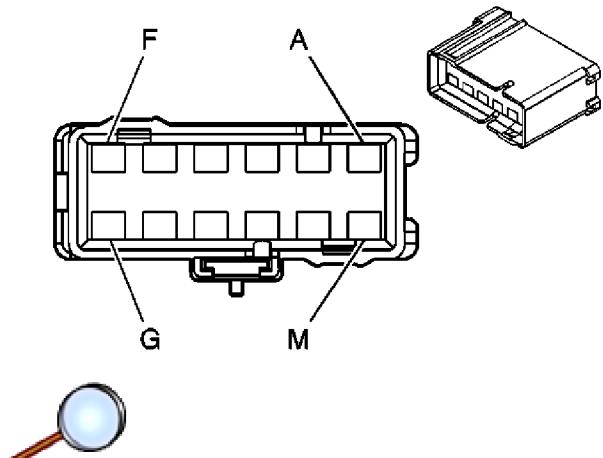
### Terminal Part Information

- | Terminal/Tray: 12110844/4
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## JX250

Pin	Wire	Circuit	Function
A	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
B	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
C	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
D-J	--	--	Not Used

## JX347



## Connector Part Information

- | OEM: 12191928
- | Service: 12191928
- | Description: 12-Way F Metri-Pack 280 Series (BK)

## Terminal Part Information

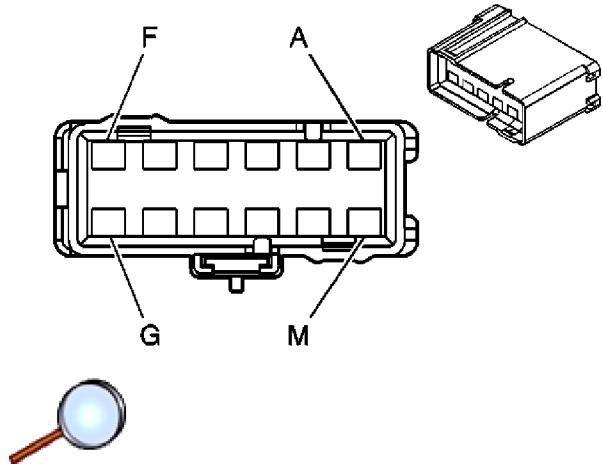
- | Pins: D, H, H
  - | Terminal/Tray: 12191475/1
  - | Core/Insulation Crimp: A/G
  - | Release Tool/Test Probe: 12094429/J-35616-4A (PU)
- | Pins: E, FH
  - | Terminal/Tray: 15324340/19
  - | Core/Insulation Crimp: F/G
  - | Release Tool/Test Probe: 12094430/J-35616-4A (PU)
- | Pins: A, B, M, J
  - | Terminal/Tray: 12110844/4
  - | Core/Insulation Crimp: Pins A, B, M - E/C
  - | Core/Insulation Crimp: Pins J, J - E/A
  - | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## JX347

Pin	Wire	Circuit	Function
A	0.35 BK	450	Ground
B	0.35 BK	450	Ground (E26)
C	--	--	Not Used
D	5 BK	450	Ground (ENC)
E	3 BK	450	Ground
F	3 BK	450	Ground (AG1)
G	--	--	Not Used
H	5 BK	450	Ground (YF1/YF7)
J	0.5 BK	450	Ground (YF7)

K-L	--	--	Not Used
M	0.35 BK	450	Ground (C36/ENC)

## JX348



### Connector Part Information

- | OEM: 12191928
- | Service: 12191928
- | Description: 12-Way F Metri-Pack 280 Series (BK)

### Terminal Part Information

- | Pins: C
- | Terminal/Tray: 15324340/19
- | Core/Insulation Crimp: F/G
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)
  
- | Pins: A, D, B, J
- | Terminal/Tray: 12110844/4
- | Core/Insulation Crimp: Pins A, D - E/C
- | Core/Insulation Crimp: Pins B, J - C/A
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## JX348

Pin	Wire	Circuit	Function
A	0.35 BK	1850	Ground (Passenger/Cargo)
B	0.8 BK	1850	Ground
C	3 BK	1850	Ground (AG2)
D	0.35 BK	1850	Ground
E-H	--	--	Not Used
J	1 BK	1850	Ground
K-M	--	--	Not Used

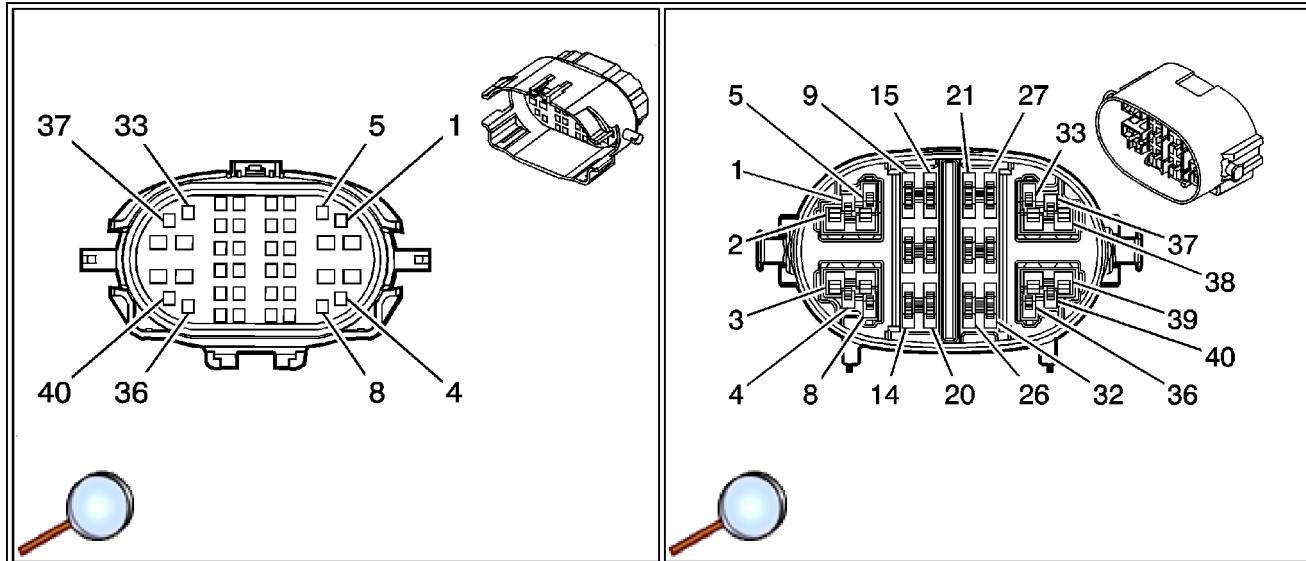
## Inline Harness Connector End Views

- Connector 1:** [X100 Instrument Panel Harness to Engine Harness](#)
- Connector 2:** [X101 Chassis Harness to Engine Harness \(4.3L/4.8L/5.3L/6.0L\)](#)
- Connector 3:** [X101 Chassis Harness to Engine Harness \(6.6L\)](#)
- Connector 4:** [X104 Instrument Panel Harness to EFS Jumper](#)
- Connector 5:** [X105 Engine Harness to Chassis Harness \(6.6L\)](#)
- Connector 6:** [X107 Engine Chassis Harness to Engine Harness \(6.6L\)](#)
- Connector 7:** [X108 Engine Chassis Harness to Engine Harness \(6.6L\)](#)
- Connector 8:** [X109 Engine Harness to Underhood Lamp Harness](#)
- Connector 9:** [X110 Engine Jumper Harness to Engine Harness \(6.6L\)](#)
- Connector 10:** [X111 Coolant Temp/Fuel Pressure Regulator Jumper Harness to Engine Harness \(6.6L\)](#)
- Connector 11:** [X112 Fuel Rail Pressure Sensor Jumper Harness to Engine Harness \(6.6L\)](#)
- Connector 12:** [X115 Engine Chassis Harness to Catalytic Converter Jumper Harness \(6.6L\)](#)
- Connector 13:** [X126 Engine Harness to Left Ignition Coil Harness \(4.8L/5.3L/6.0L\)](#)
- Connector 14:** [X127 Engine Harness to Right Side Ignition Coil Harness \(4.8L/5.3L/6.0L\)](#)
- Connector 15:** [X128 Engine Harness to Heated Oxygen Sensor Jumper Harness \(Cutaway 4.8L/6.0L\)](#)
- Connector 16:** [X141 Instrument Panel Harness to Brake Fluid Alarm Switch Jumper Harness \(UJ1\)](#)
- Connector 17:** [X142 Engine Chassis Harness to Fan Jumper Harness \(6.6L\)](#)
- Connector 18:** [X150 Instrument Panel Harness to Forward Lamp Harness \(UFA\)](#)
- Connector 19:** [X174 Chassis Harness to Transmission Jumper Harness \(6.6L\)](#)
- Connector 20:** [X175 Engine Harness to Transmission Harness \(4L60-E\)](#)
- Connector 21:** [X175 Engine Harness to Transmission Harness \(4L80-E\)](#)
- Connector 22:** [X176 Engine Harness to Camshaft Position Sensor Jumper Harness \(4.3L\)](#)
- Connector 23:** [X177 Engine Harness to Camshaft Position Sensor Jumper Harness \(4.8L/5.3L\)](#)
- Connector 24:** [X177 Engine Harness to Camshaft Position Sensor Jumper Harness \(6.0L\)](#)
- Connector 25:** [X200 Steering Column Harness to Instrument Panel Harness](#)
- Connector 26:** [X205 Front Headliner Harness to Body Harness](#)

27:	<a href="#">X220 Instrument Panel Harness to Park Brake Jumper Harness</a>
<b>Connector</b> 28:	<a href="#">X221 Stop Lamp Switch Jumper to Instrument Panel Harness</a>
<b>Connector</b> 29:	<a href="#">X222 Upfitter Provision Harness to Instrument Panel Harness (YF2/YF7)</a>
<b>Connector</b> 30:	<a href="#">X276 Steering Wheel Harness to Instrument Panel Harness</a>
<b>Connector</b> 31:	<a href="#">X278 Instrument Panel Harness to Professional Harness (PRP)</a>
<b>Connector</b> 32:	<a href="#">X305 Chassis Harness to Fuel Pump Jumper Harness (K08)</a>
<b>Connector</b> 33:	<a href="#">X306 Body Harness to Passenger Seat Harness</a>
<b>Connector</b> 34:	<a href="#">X307 Body Harness to Driver Seat Harness</a>
<b>Connector</b> 35:	<a href="#">X316 Transmission Jumper Harness to Fuel Pump Harness (6.6L)</a>
<b>Connector</b> 36:	<a href="#">X318 Instrument Panel Harness to Body Harness (Passenger/Cargo)</a>
<b>Connector</b> 37:	<a href="#">X319 Rear Heater Switch Harness to Body Harness (C36/ENC)</a>
<b>Connector</b> 38:	<a href="#">X320 Upfitter Harness to Body Harness (YF2/YF7)</a>
<b>Connector</b> 39:	<a href="#">X321 Upfitter Harness to Body Harness (YF2/YF7)</a>
<b>Connector</b> 40:	<a href="#">X324 Right Rear Side Impact Sensor Jumper to Body Harness (ASF)</a>
<b>Connector</b> 41:	<a href="#">X330 Instrument Panel Harness to Body Harness</a>
<b>Connector</b> 42:	<a href="#">X331 Instrument Panel Harness to Body Harness</a>
<b>Connector</b> 43:	<a href="#">X400 Right Rear Cargo Door to Body Harness (Passenger/Cargo)</a>
<b>Connector</b> 44:	<a href="#">X401 Left Tail Lamp Harness to Body Harness (Passenger/Cargo)</a>
<b>Connector</b> 45:	<a href="#">X402 Right Tail Lamp Harness to Body Harness (Passenger/Cargo)</a>
<b>Connector</b> 46:	<a href="#">X405 Cutaway Rear Lighting Connector to Chassis Harness (Cutaway)</a>
<b>Connector</b> 47:	<a href="#">X407 Rear HVAC Harness to Body Harness (C36/C69)</a>
<b>Connector</b> 48:	<a href="#">X409 Rear HVAC Harness to Body Harness (C36/C69)</a>
<b>Connector</b> 49:	<a href="#">X411 Left Rear Cargo Door Harness to Body Harness (Passenger/Cargo)</a>
<b>Connector</b> 50:	<a href="#">X412 Right Rear Cargo Door to Body Harness (Passenger/Cargo)</a>
<b>Connector</b> 51:	<a href="#">X413 Chassis Harness to Left Rear Wheel Speed Sensor Jumper Harness (JL4)</a>

<b>Connector 52:</b>	<a href="#">X414 Chassis Harness to Right Rear Wheel Speed Sensor Jumper Harness (JL4)</a>
<b>Connector 53:</b>	<a href="#">X415 Roof Center Speaker Harness to Body Harness (Passenger/Cargo)</a>
<b>Connector 54:</b>	<a href="#">X417 Dome Lamp Harness to Body Harness (Cargo without YF7)</a>
<b>Connector 55:</b>	<a href="#">X419 Center High Mounted Stop Lamp Harness to Body Harness (Passenger/Cargo)</a>
<b>Connector 56:</b>	<a href="#">X420 Headliner Harness to Body Harness (Passenger/Cargo)</a>
<b>Connector 57:</b>	<a href="#">X500 Driver Door Harness to Body Harness</a>
<b>Connector 58:</b>	<a href="#">X501 Driver Side Impact Sensor Jumper Harness to Driver Door Harness (ASF)</a>
<b>Connector 59:</b>	<a href="#">X600 Passenger Door Harness to Body Harness</a>
<b>Connector 60:</b>	<a href="#">X601 Passenger Side Impact Sensor Jumper Harness to Passenger Door Harness (ASF)</a>
<b>Connector 61:</b>	<a href="#">X901 Defogger Jumper Harness to Left Rear Cargo Door Harness (C49 with A12)</a>
<b>Connector 62:</b>	<a href="#">X902 Rear Window Defogger Jumper Harness to Right Rear Cargo Door Harness (C49 with A12)</a>

## X100 Instrument Panel Harness to Engine Harness



### Connector Part Information

- | OEM: 13601803
- | Service: See Catalog
- | Description: 40-Way F GT 150 280 Series Sealed (BK)

### Connector Part Information

- | OEM: 13605375
- | Service: See Catalog
- | Description: 40-Way M GT 150 280 Series Sealed (BK)

### Terminal Part Information

### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

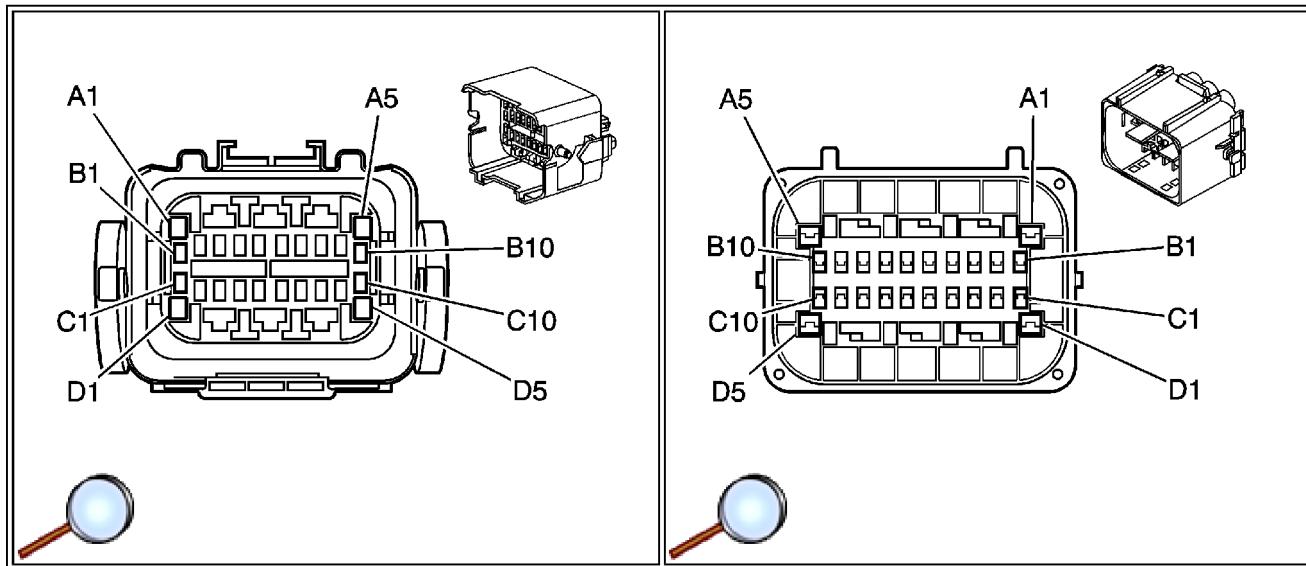
## X100 Instrument Panel Harness to Engine Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	0.35 L-BU/WH	6311	Torque Converter Clutch (TCC) Brake Signal	1	0.5 L-BU/WH	6311	Torque Converter Clutch (TCC) Brake Signal
2	0.8 OG	52	Blower Motor High Control	2	0.8 OG	52	Blower Motor High Control
3	0.8 L-BU	72	Medium 2 Blower Motor Control	3	0.8 L-BU	72	Medium 2 Blower Motor Control
4	0.5 OG	1732	Courtesy Lamp Control	4	0.5 OG	1732	Courtesy Lamp Control
5	0.8 BN	141	Ignition Voltage (6.6L)	5	0.8 BN	141	Ignition Voltage (6.6L)
6	0.8 TN	63	Blower Motor Medium Control	6	0.8 TN	63	Blower Motor Medium Control
7	2 BK	1250	Ground	7	2 BK	1250	Ground
8	0.8 YE	60	Blower Motor Low Control	8	0.8 YE	60	Blower Motor Low Control
9	0.8 BK/WH	451	Ground (4.3L/5.3L)	9	0.8 BK/WH	451	Ground (4.3L/5.3L)
9	0.35 D-BU	507	Wait to Start Indicator Control (6.6L)		0.5 D-BU	507	Wait to Start Indicator Control (6.6L)
10	0.5 PK	5076	5-Volt Reference (4.3L/5.3L)	10	0.5 PK	5076	5-Volt Reference (4.3L/5.3L)
11	0.5 BN	5077	Low Reference (4.3L/5.3L)	11	0.5 BN	5077	Low Reference (4.3L/5.3L)
12	0.5 L-GN	1478	Coolant Level Switch Signal (6.6L)	12	0.5 L-GN	1478	Coolant Level Switch Signal (6.6L)
13	0.5 WH	5075	Battery Current Sensor Signal (4.3L/5.3L)	13	0.5 WH	5075	Battery Current Sensor Signal (4.3L/5.3L)
	0.5 BK/WH	351	Ground (6.6L)		0.5 BK/WH	351	Ground (6.6L)
14	0.5 L-GN	66	A/C Request Signal (C60)	14	0.5 L-GN	66	A/C Request Signal (C60)
15	0.5 L-BU	5986	Serial Data Communication Enable	15	0.5 L-BU	5986	Serial Data Communication Enable
16	0.5 L-GN	66	A/C Request Signal (C60)	16	0.5 L-GN	66	A/C Request Signal (C60)

17	0.5 PU	333	Brake Fluid Level Sensor Signal	17	0.5 PU	333	Brake Fluid Level Sensor Signal
18	0.35 BN/WH	419	MIL Control	18	0.35 BN/WH	419	MIL Control (4.3L/4.8L/5.3L/6.0L)
					0.5 BN/WH	419	MIL Control (6.6L)
19	0.5 D-BU	5985	Accessory Wakeup Serial Data	19	0.5 D-BU	5985	Accessory Wakeup Serial Data
20	--	--	Not Used	20	--	--	Not Used
21	0.35 BN	1271	Low Reference	21	0.35 BN	1271	Low Reference (4.3L/4.8L/5.3L/6.0L)
					0.5 BN	1271	Low Reference (6.6L)
22	0.35 WH/BK	1164	5-Volt Reference	22	0.35 WH/BK	1164	5-Volt Reference (4.3L/4.8L/5.3L/6.0L)
					0.5 WH/BK	1164	5-Volt Reference (6.6L)
23	0.35 TN	1274	5-Volt Reference	23	0.35 TN	1274	5-Volt Reference (4.3L/4.8L/5.3L/6.0L)
					0.5 TN	1274	5-Volt Reference (6.6L)
24	0.5 GY	6044	5-Volt Reference (JL4)	24	0.5 GY	6044	5-Volt Reference (JL4)
25	0.5 YE	6046	Steering Angle Sensor Phase A (JL4)	25	0.5 YE	6046	Steering Angle Sensor Phase A (JL4)
26	0.5 TN	6048	Steering Angle Sensor Phase C (JL4)	26	0.5 TN	6048	Steering Angle Sensor Phase C (JL4)
27	0.35 D-BU	1161	Accelerator Pedal Position (APP) Sensor 1 Signal	27	0.35 D-BU	1161	Accelerator Pedal Position (APP) Sensor 1 Signal (4.3L/4.8L/5.3L/6.0L)
					0.5 D-BU	1161	Accelerator Pedal Position (APP) Sensor 1 Signal (6.6L)
28	0.35 PU	1272	Low Reference	28	0.5 PU	1272	Low Reference
29	0.35 L-BU	1162	Accelerator Pedal Position (APP) Sensor 2 Signal	29	0.5 L-BU	1162	Accelerator Pedal Position (APP) Sensor 2 Signal
30	0.5 OG/BK	6045	Low Reference (JL4)	30	0.5 OG/BK	6045	Low Reference (JL4)
31	0.5 D-BU	6047	Steering Angle Sensor Phase B (JL4)	31	0.5 D-BU	6047	Steering Angle Sensor Phase B (JL4)
32	0.5 L-GN	6043	Steering Angle Sensor Signal (JL4)	32	0.5 L-GN	6043	Steering Angle Sensor Signal (JL4)
33	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)	33	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
34	0.5 BN/WH	6437	CAN Bus High Terminated Serial	34	0.5 BN/WH	6437	CAN Bus High Terminated Serial Data (JL4)

			Data (JL4)				
35	0.5 GY/BK	1337	5-Volt Reference (JL4)	35	0.5 GY/BK	1337	5-Volt Reference (JL4)
36	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)	36	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
37	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)	37	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
38	0.5 WH/BK	6436	CAN Bus Low Terminated Serial Data (JL4)	38	0.5 WH/BK	6436	CAN Bus Low Terminated Serial Data (JL4)
39	0.5 BK/PU	7499	Low Reference (JL4)	39	0.5 BK/PU	7499	Low Reference (JL4)
40	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)	40	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)

## X101 Chassis Harness to Engine Harness (4.3L/4.8L/5.3L/6.0L)



### Connector Part Information

- | OEM: 15355480
- | Service: 15355480
- | Description: 30-Way F GT 150 Sealed (BK)

### Connector Part Information

- | OEM: 15450272
- | Service: See Catalog
- | Description: 30-Way M GT 150, 280 Series Sealed (BK)

### Terminal Part Information

- | Pins: B1-B10, C1-C7, C9-C10
- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

- | Pins: A1, A5, D1, D5
- | Terminal/Tray: 15304719/19
- | Core/Insulation Crimp: Pins: D5 : 2/5
- | Core/Insulation Crimp: Pins: A1, A5, D1, D5 : E/5
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)
  
- | Pins: A2-A3, D2-D3
- | Terminal/Tray: 15305232/23
- | Core/Insulation Crimp: B/4/3
- | Release Tool/Test Probe: 12094430/J-35616-42 (RD)

## Terminal Part Information

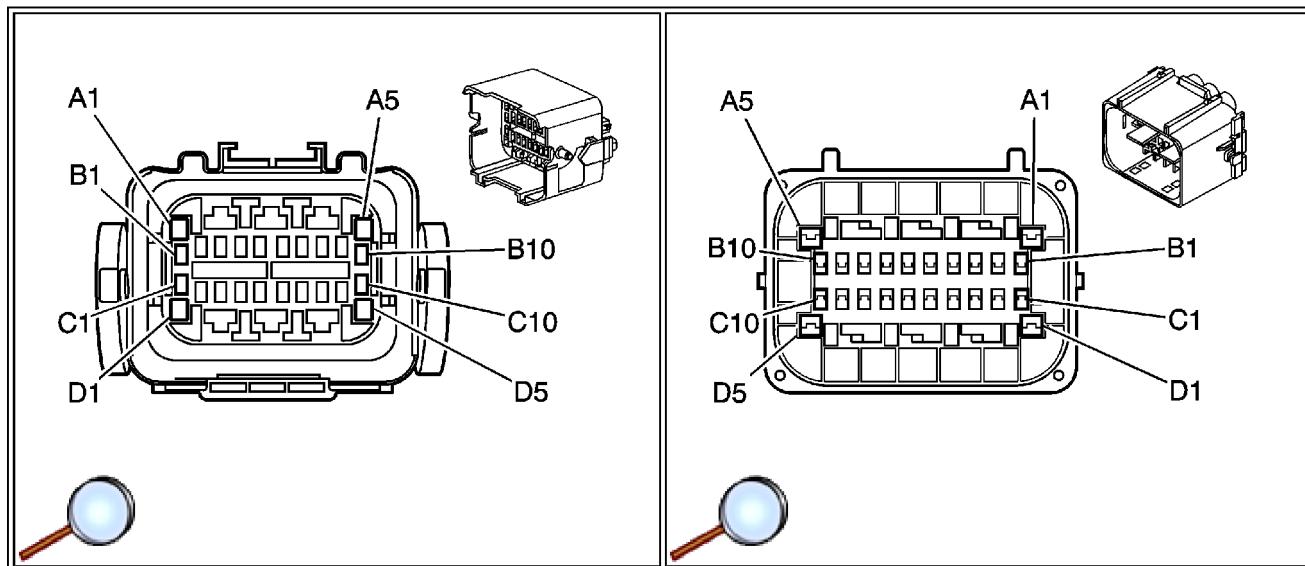
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## **X101 Chassis Harness to Engine Harness** **(4.3L/4.8L/5.3L/6.0L)**

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A1	0.5 YE	6046	Steering Angle Sensor Phase A (JL4)	A1	0.5 YE	6046	Steering Angle Sensor Phase A (JL4)
A2	0.5 D-BU	6047	Steering Angle Sensor Phase B (JL4)	A2	0.5 D-BU	6047	Steering Angle Sensor Phase B (JL4)
A3	0.5 TN	6048	Steering Angle Sensor Phase C (JL4)	A3	0.5 TN	6048	Steering Angle Sensor Phase C (JL4)
A4-A5	--	--	Not Used	A4-A5	--	--	Not Used
B1	0.5 GY	2709	5-Volt Reference	B1	0.5 GY	2709	5-Volt Reference
B2	0.5 D-GN	890	Fuel Tank Pressure Sensor Signal	B2	0.5 D-GN	890	Fuel Tank Pressure Sensor Signal
B3	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)	B3	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
B4	0.5 PU	333	Brake Fluid Level Sensor Signal (Light Duty)	B4	0.5 PU	333	Brake Fluid Level Sensor Signal (Light Duty)
B5	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)	B5	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
B6	0.5 YE/BK	1827	Vehicle Speed Signal	B6	0.35 YE/BK	1827	Vehicle Speed Signal
B7	0.5 GY/BK	1337	5-Volt Reference (JL4)	B7	0.5 GY/BK	1337	5-Volt Reference (JL4)
B8	0.5 BK/PU	7499	Low Reference (JL4)	B8	0.5 BK/PU	7499	Low Reference (JL4)
B9-B10	--	--	Not Used	B9-B10	--	--	Not Used
C1	0.5 TN	2759	Low Reference	C1	0.5 TN/BK	6049	Low Reference (4.3L/5.3L)
					0.5 TN	2759	Low Reference (4.8L/6.0L)

C2	0.5 PU	1589	Fuel Level Sensor Signal	C2	0.5 PU	1589	Fuel Level Sensor Signal
C3	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)	C3	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
C4	0.5 L-GN	6043	Steering Angle Sensor Signal (JL4)	C4	0.5 L-GN	6043	Steering Angle Sensor Signal (JL4)
C5	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)	C5	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
C6	0.5 WH/BK	6436	CAN Bus Low Terminated Serial Data (JL4)	C6	0.5 WH/BK	6436	CAN Bus Low Terminated Serial Data (JL4)
C7	0.5 BN/WH	6437	CAN Bus High Terminated Serial Data (JL4)	C7	0.5 BN/WH	6437	CAN Bus High Terminated Serial Data (JL4)
C8	--	--	Not Used	C8	--	--	Not Used
C9	0.35 D-GN/WH	465	Fuel Pump Relay Control (5.3L)	C9	0.35 D-GN/WH	465	Fuel Pump Relay Control (5.3L)
C10	--	--	Not Used	C10	--	--	Not Used
D1	0.5 L-BU	5986	Serial Data Communication Enable	D1	0.5 L-BU	5986	Serial Data Communication Enable
D2	0.5 GY	6044	5-Volt Reference (JL4)	D2	0.5 GY	6044	5-Volt Reference (JL4)
D3	0.5 OG/BK	6045	Low Reference (JL4)	D3	0.5 OG/BK	6045	Low Reference (JL4)
D4	--	--	Not Used	D4	--	--	Not Used
D5	0.5 WH	1310	Evaporative Emission (EVAP) Canister Vent Solenoid Control	D5	0.5 WH	1310	Evaporative Emission (EVAP) Canister Vent Solenoid Control

## X101 Chassis Harness to Engine Harness (6.6L)



## Connector Part Information

- | OEM: 15355480
- | Service: 15355480
- | Description: 30-Way F GT 150 Sealed (BK)

## Connector Part Information

- | OEM: 15450272
- | Service: See Catalog
- | Description: 30-Way M GT 150, 280 Series Sealed (BK)

## Terminal Part Information

- | Pins: B1-B10, C1-C7, C9-C10
- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

- | Pins: A1, A5, D1, D5
- | Terminal/Tray: 15304719/19
- | Core/Insulation Crimp: Pins: D5 : 2/5
- | Core/Insulation Crimp: Pins: A1, A5, D1, D5 : E/5
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

- | Pins: A2-A3, D2-D3
- | Terminal/Tray: 15305232/23
- | Core/Insulation Crimp: B/4/3
- | Release Tool/Test Probe: 12094430/J-35616-42 (RD)

## Terminal Part Information

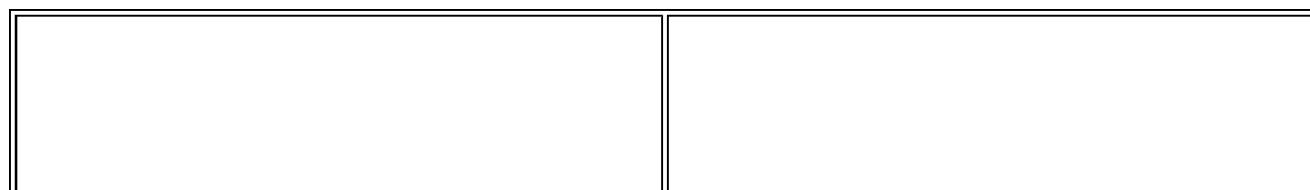
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

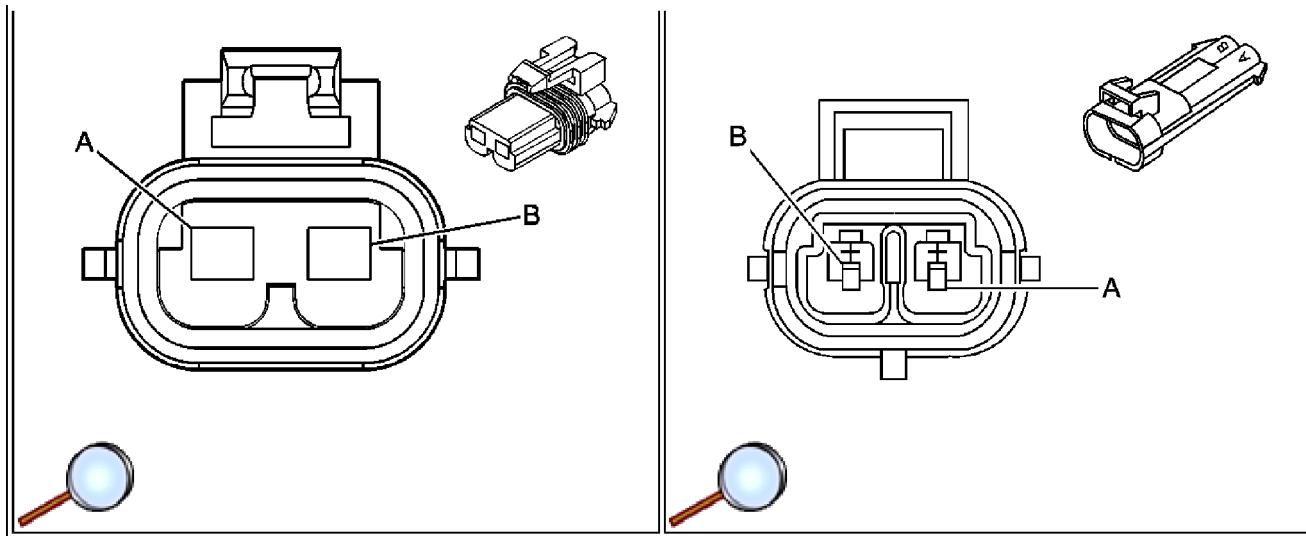
## X101 Chassis Harness to Engine Harness (6.6L)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A1	0.35 PK	1224	Transmission Fluid Pressure Switch Signal A	A1	0.35 PK	1224	Transmission Fluid Pressure Switch Signal A
A2	0.5 YE/BK	1827	Vehicle Speed Signal	A2	0.5 YE/BK	1827	Vehicle Speed Signal
A3-A4	--	--	Not Used	A3-A4	--	--	Not Used
A5	0.5 BN	418	Torque Converter Clutch Pulse Width Modulation (TCC PWM) Solenoid Valve Control	A5	0.5 BN	418	Torque Converter Clutch Pulse Width Modulation (TCC PWM) Solenoid Valve Control
B1	0.35 D-BU	1225	Transmission Fluid Pressure Switch Signal B	B1	0.35 D-BU	1225	Transmission Fluid Pressure Switch Signal B
B2	0.35 OG	1226	Transmission Fluid Pressure Switch Signal C	B2	0.35 OG	1226	Transmission Fluid Pressure Switch Signal C
B3	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)	B3	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
	0.5		Transmission Range		0.5		Transmission Range

B4	TN/WH	771	Switch Signal A	B4	TN/WH	771	Switch Signal A
B5	0.5 GY	773	Transmission Range Switch Signal C	B5	0.5 GY	773	Transmission Range Switch Signal C
B6	0.8 BK/WH	1551	Ground	B6	0.8 BK/WH	1551	Ground
B7	0.35 TN	452	Low Reference	B7	0.35 TN	452	Low Reference
B8	--	--	Not Used	B8	--	--	Not Used
B9	0.35 OG/BK	1228	PC Solenoid Valve High Control	B9	0.35 OG/BK	1228	PC Solenoid Valve High Control
B10	0.5 L- GN	1222	1-2 Shift Solenoid Valve Control	B10	0.5 L- GN	1222	1-2 Shift Solenoid Valve Control
C1	0.5 TN	2759	Low Reference	C1	0.5 TN	2759	Low Reference
C2	0.5 PU	1589	Fuel Level Sensor Signal	C2	0.5 PU	1589	Fuel Level Sensor Signal
C3	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)	C3	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
C4	0.5 YE	772	Transmission Range Switch Signal B	C4	0.5 YE	772	Transmission Range Switch Signal B
C5	0.5 WH	776	Transmission Range Switch Signal P	C5	0.5 WH	776	Transmission Range Switch Signal P
C6	0.5 OG/BK	1786	Ignition Lock Cylinder Control Actuator Signal	C6	0.5 OG/BK	1786	Ignition Lock Cylinder Control Actuator Signal
C7	0.35 YE/BK	1227	Transmission Fluid Temperature (TFT) Sensor Signal	C7	0.35 YE/BK	1227	Transmission Fluid Temperature (TFT) Sensor Signal
C8	--	--	Not Used	C8	--	--	Not Used
C9	0.35 L- BU/WH	1229	PC Solenoid Valve Low Control	C9	0.35 L- BU/WH	1229	PC Solenoid Valve Low Control
C10	0.5 YE/BK	1223	2-3 Shift Solenoid Valve Control	C10	0.5 YE/BK	1223	2-3 Shift Solenoid Valve Control
D1	0.5 L- BU	5986	Serial Data Communication Enable	D1	0.5 L- BU	5986	Serial Data Communication Enable
D2	0.5 YE/BK	508	Water In Fuel Indicator Control	D2	0.5 YE/BK	508	Water In Fuel Indicator Control
D3	0.5 D- BU	6863	Low Reference	D3	0.5 D- BU	6863	Low Reference
D4	--	--	Not Used	D4	--	--	Not Used
D5	0.8 PK	3039	Ignition Voltage	D5	0.8 PK	3039	Ignition Voltage

## X104 Instrument Panel Harness to EFS Jumper





## Connector Part Information

- | OEM: 12077900
- | Service: 12116247
- | Description: 2-Way F Metri-Pack 280 Series Sealed (BK)

## Terminal Part Information

- | Terminal/Tray: 12077411/2
- | Core/Insulation Crimp: 2/5
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)

## Connector Part Information

- | OEM: 15317807
- | Service: 19149308
- | Description: 2-Way M Metri-Pack 280 Series Sealed (BK)

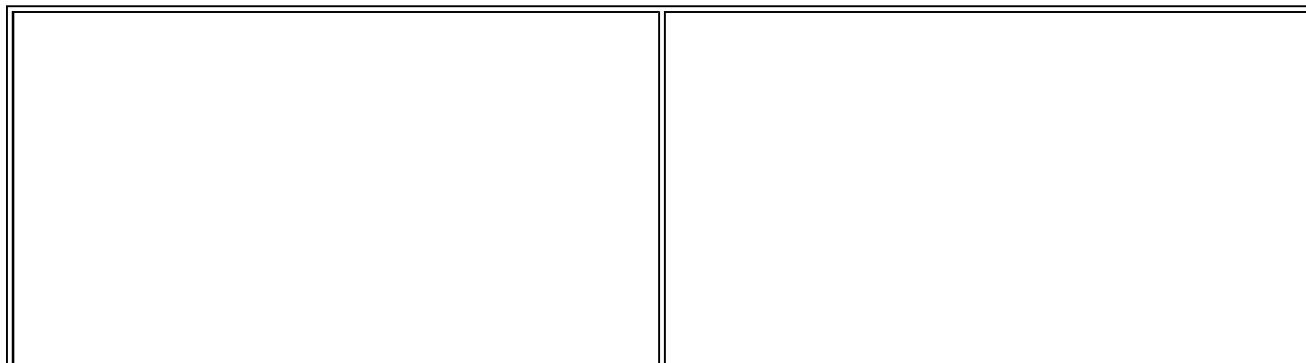
## Terminal Part Information

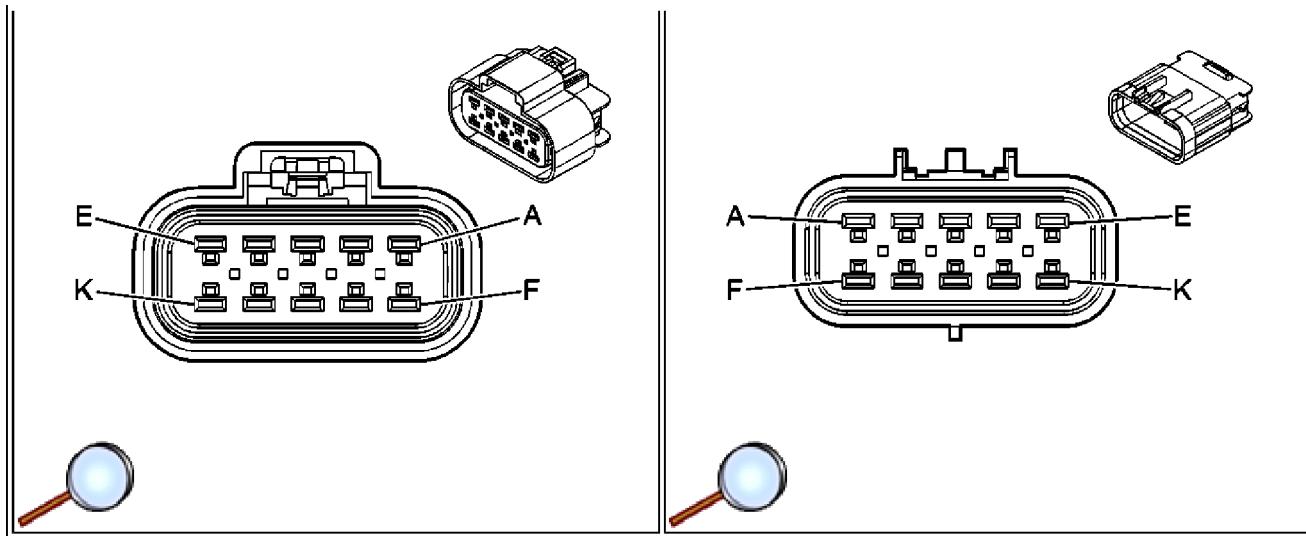
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X104 Instrument Panel Harness to EFS Jumper

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.5 BN/WH	6618	Discriminating Sensor - Signal	A	0.5 BN/WH	6618	Discriminating Sensor - Signal
B	0.5 D-BU/WH	6619	Low Reference	B	0.5 D-BU/WH	6619	Low Reference

## X105 Engine Harness to Chassis Harness (6.6L)





## Connector Part Information

- | OEM: 15326660
- | Service: 15326660
- | Description: 10-Way F GT 280 5.8 Series Sealed (BK)

## Terminal Part Information

- | Pins: A-D, F-G
- | Terminal/Tray: 15304719/19
- | Core/Insulation Crimp: Pins: A-B : 2/5
- | Core/Insulation Crimp: Pins: C-D, F-G : E/5
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## Connector Part Information

- | OEM: 15326661
- | Service: 15326661
- | Description: 10-Way M GT 280 5.8 Series Sealed (BK)

## Terminal Part Information

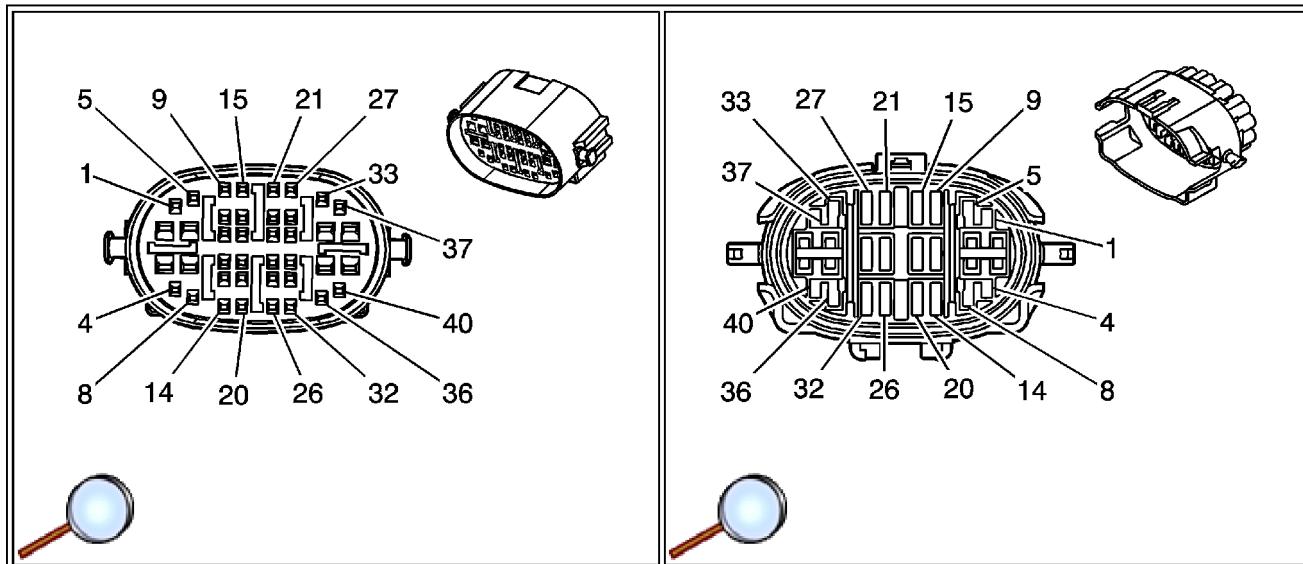
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X105 Engine Harness to Chassis Harness (6.6L)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.8 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)	A	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
B	0.8 TN	2501	High Speed GMLAN Serial Data Bus (-)	B	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
C	0.5 PU/WH	821	Vehicle Speed Sensor (VSS) High Signal	C	0.5 PU/WH	821	Vehicle Speed Sensor (VSS) High Signal
D	0.5 L-GN/BK	822	Vehicle Speed Sensor (VSS) Low Signal	D	0.5 L-GN/BK	822	Vehicle Speed Sensor (VSS) Low Signal
E	--	--	Not Used	E	--	--	Not Used
F	0.5 OG/BK	1230	Automatic Transmission Input Speed Sensor (AT ISS) High Signal	F	0.5 OG/BK	1230	Automatic Transmission Input Speed Sensor (AT ISS) High Signal
G	0.5 D-BU/WH	1231	Automatic Transmission Input Speed Sensor (AT ISS) Low Signal	G	0.5 D-BU/WH	1231	Automatic Transmission Input Speed Sensor (AT ISS) Low Signal

H-K	--	--	Not Used	H-K	--	--	Not Used
-----	----	----	----------	-----	----	----	----------

## X107 Engine Chassis Harness to Engine Harness (6.6L)



### Connector Part Information

- | OEM: 13601803
- | Service: See Catalog
- | Description: 40-Way F GT 150 280 Series Sealed (BK)

### Terminal Part Information

- | Pins : 1, 5, 9-17, 24-26, 30-33, 36-37, 40
- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: Pins: 9-10, 36, 40 : 2/A
- | Core/Insulation Crimp: Pins: 1, 5, 11-17, 24-26, 30-33, 37 : E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)
  
- | Pins: 2-3, 6-7, 34-35, 38-39
- | Terminal/Tray: 15304719/19
- | Core/Insulation Crimp: Pins: 2-3, 6-7, 34-35 : 2/5
- | Core/Insulation Crimp: Pins: 38-39 : E/5
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)
  
- | Pins: 21-23, 29
- | Terminal/Tray: N/A
- | Core/Insulation Crimp: N/A
- | Release Tool/Test Probe: N/A

### Connector Part Information

- | OEM: 13551536
- | Service: See Catalog
- | Description: 40-Way M GT 150 280 Series Sealed (BK)

### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

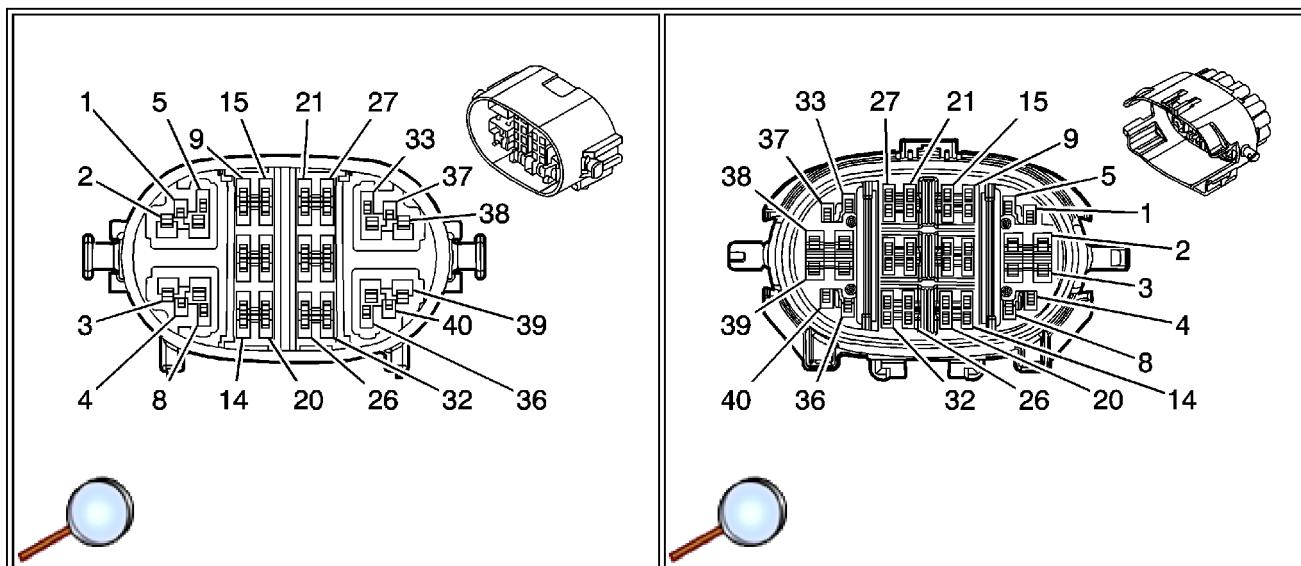
- | Pins: 4, 8, 18-20, 27-28
- | Terminal/Tray: 15326427/5
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## X107 Engine Chassis Harness to Engine Harness (6.6L)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	0.5 D-BU	5930	Turbocharger Vane Position Control Solenoid Valve Control Circuit	1	0.5 D-BU	IC170	Turbocharger Vane Position Control Solenoid Valve Control Circuit
2	1 OG	5421	Fuel Injector Control 1	2	2 OG	IC10	Fuel Injector Control 1
3	1 YE	5422	Fuel Injector Control 2	3	2 YE	IC11	Fuel Injector Control 2
4	0.5 L-BU	6118	Air Temperature Sensor Signal	4	0.5 L-BU	IC188	Air Temperature Sensor Signal
5	0.5 WH	5931	Low Reference	5	0.5 WH	IC171	Low Reference
6	1 TN	1744	Fuel Injector 1 Control	6	2 TN	IC15	Fuel Injector 1 Control
7	1 YE/BK	846	Fuel Injector 6 Control	7	2 YE/BK	IC20	Fuel Injector 6 Control
8	0.5 YE/BK	6120	Low Reference	8	0.5 YE/BK	IC189	Low Reference
9	0.8 YE	581	Throttle Actuator Control Motor Control - 1	9	0.75 YE	IC156	Throttle Actuator Control Motor Control - 1
10	0.8 BN	582	Throttle Actuator Control Motor Control - 2	10	0.75 BN	IC151	Throttle Actuator Control Motor Control - 2
11	0.5 D-GN	485	Throttle Position (TP) Sensor 1 Signal	11	0.5 L-GN	IC153	Throttle Position (TP) Sensor 1 Signal
12	0.5 BN	1174	Oil Level Switch Signal	12	0.5 BN	IC68	Oil Level Switch Signal
13	0.5 TN	2752	Low Reference	13	0.5 TN	IC154	Low Reference
14	0.5 GY	2701	5-Volt Reference	14	0.5 GY	IC150	5-Volt Reference
15	0.5 GY	2705	5-Volt Reference	15	0.5 GY	IC57	5-Volt Reference
16	0.5 BK	2755	Low Reference	16	0.5 BK	IC71	Low Reference
17	0.5 TN/WH	331	Oil Pressure Sensor Signal	17	0.5 TN/WH	IC66	Oil Pressure Sensor Signal
18	0.5 YE	5947	Turbocharger Vane Position Sensor Signal	18	0.5 YE	IC162	Turbocharger Vane Position Sensor Signal
19	0.5 OG/BK	5929	Low Reference	19	0.5 OG/BK	IC161	Low Reference
20	0.5 TN	5928	5-Volt Reference	20	0.5 TN	IC160	5-Volt Reference
21-23	--	--	Not Used	21-23	--	--	Not Used
24	0.5 TN	2761	Low Reference	24	0.5 TN	IC47	Low Reference

25	--	--	Not Used	25	--	--	Not Used
26	0.5 BN	6062	Low Reference	26	0.5 BN	IC44	Low Reference
27	0.5 PU/WH	2530	Fuel Pressure Regulator Solenoid Control	27	0.5 PU/WH	IC32	Fuel Pressure Regulator Solenoid Control
28	0.5 YE	2834	Fuel Pressure Regulator Solenoid Control	28	0.5 YE	IC31	Fuel Pressure Regulator Solenoid Control
29	--	--	Not Used	29	--	--	Not Used
30	0.5 YE	410	Engine Coolant Temperature (ECT) Sensor Signal	30	0.5 YE	IC41	Engine Coolant Temperature (ECT) Sensor Signal
31	--	--	Not Used	31	--	--	Not Used
32	0.5 YE	1578	Fuel Temperature Signal	32	0.5 YE	IC43	Fuel Temperature Signal
33	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)	33	0.75 TN	HB05	High Speed GMLAN Serial Data Bus (-)
34	1 OG/BK	877	Fuel Injector 7 Control	34	2 OG/BK	IC21	Fuel Injector 7 Control
35	1 L-BU/BK	844	Fuel Injector 4 Control	35	2 L-BU/BK	IC18	Fuel Injector 4 Control
36	0.8 TN	2501	High Speed GMLAN Serial Data Bus (-)	36	0.75 TN	HB01	High Speed GMLAN Serial Data Bus (-)
37	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)	37	0.75 TN/BK	HB06	High Speed GMLAN Serial Data Bus (+)
38	0.5 PK	439	Ignition Voltage	38	0.75 PK	HB02	Ignition Voltage
39	0.5 D-BU	5985	Accessory Wakeup Serial Data	39	1 PK	HB04	Accessory Wakeup Serial Data
40	0.8 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)	40	0.75 TN/BK	HB20	High Speed GMLAN Serial Data Bus (+)

## X108 Engine Chassis Harness to Engine Harness (6.6L)



**Connector Part Information**

- | OEM: 13601804
- | Service: See Catalog
- | Description: 40-Way F GT 150 280 Series Sealed (GY)

**Connector Part Information**

- | OEM: 13551537
- | Service: See Catalog
- | Description: 40-Way M GT 150 280 Series Sealed (GY)

**Terminal Part Information**

- | Pins: 9-20, 28-33, 36-37, 40
- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)
  
- | Pins: 2-3, 6-7, 34-35
- | Terminal/Tray: 15304719/19
- | Core/Insulation Crimp: 2/5
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

**Terminal Part Information**

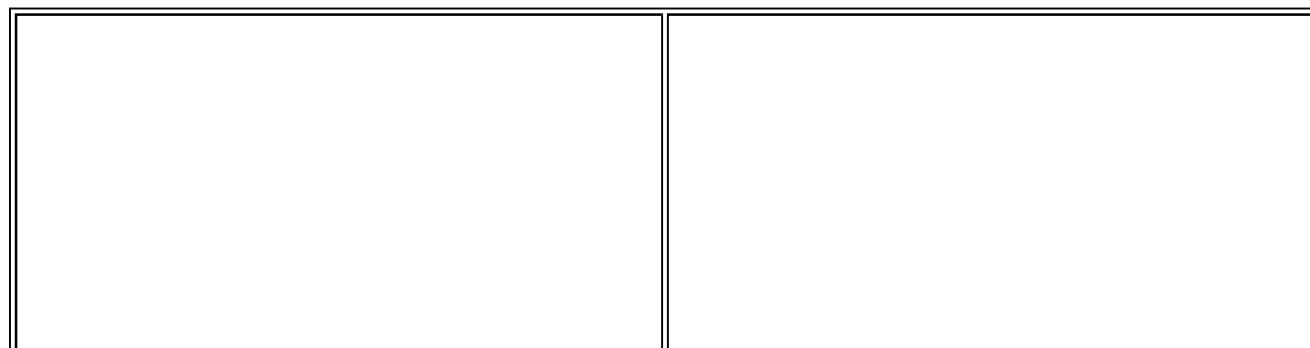
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

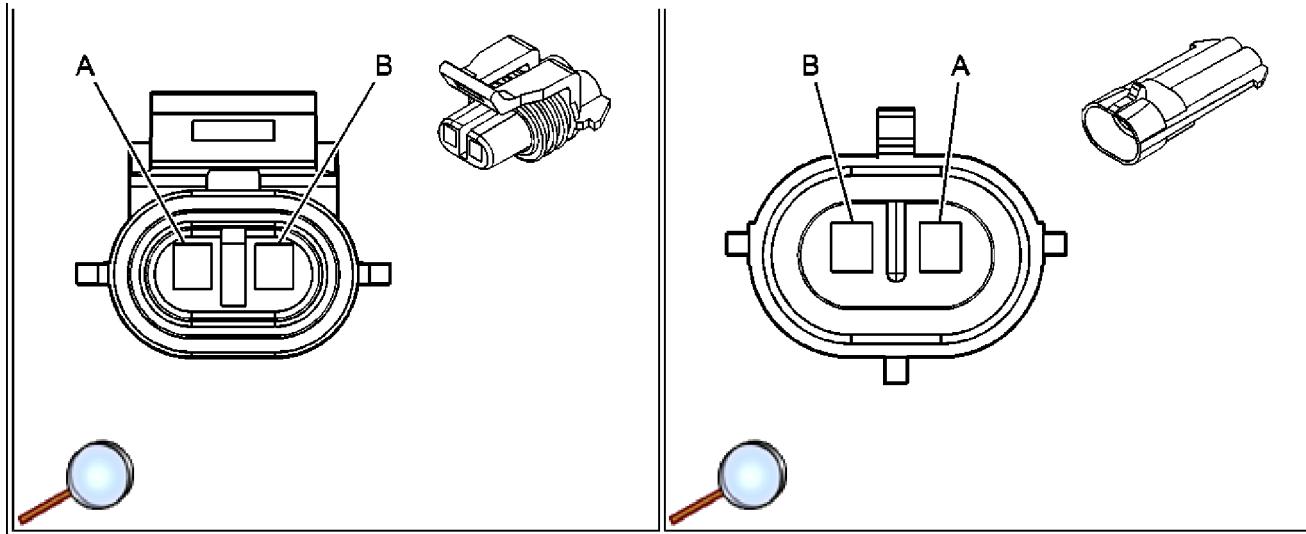
**X108 Engine Chassis Harness to Engine Harness (6.6L)**

<b>Pin</b>	<b>Wire</b>	<b>Circuit</b>	<b>Function</b>	<b>Pin</b>	<b>Wire</b>	<b>Circuit</b>	<b>Function</b>
1	--	--	Not Used	1	--	--	Not Used
2	1 PK	5425	Fuel Injector 4 Control	2	2 PK	IC12	Fuel Injector 4 Control
3	1 PU	5423	Fuel Injector 3 Control	3	2 PU	IC13	Fuel Injector 3 Control
4-5	--	--	Not Used	4-5	--	--	Not Used
6	1 PK/BK	1746	Fuel Injector 3 Control	6	2 PK/BK	IC17	Fuel Injector 3 Control
7	1 L-GN/BK	1745	Fuel Injector 2 Control	7	2 L-GN/BK	IC16	Fuel Injector 2 Control
8	--	--	Not Used	8	--	--	Not Used
9	0.5 PU/WH	6270	5-Volt Reference	9	0.5 PU/WH	IC23	5-Volt Reference
10	0.5 GY/BK	6272	Low Reference	10	0.5 GY/BK	IC25	Low Reference
11	0.5 WH/BK	6271	Crankshaft Position (CKP) Sensor Signal	11	0.5 WH/BK	IC24	Crankshaft Position (CKP) Sensor Signal
12	0.5 L-GN	432	Manifold Absolute Pressure (MAP) Sensor Signal	12	0.5 L-GN	IC94	Manifold Absolute Pressure (MAP) Sensor Signal
13	0.5 OG/BK	469	Low Reference	13	0.5 OG/BK	IC93	Low Reference
14	0.5 GY	2704	5-Volt Reference	14	0.5 GY	IC92	5-Volt Reference
15	0.5 TN	2917	5-Volt Reference	15	0.5 TN	IC37	5-Volt Reference
16	0.5 OG/BK	2919	Low Reference	16	0.5 OG/BK	IC46	Low Reference
			Fuel Rail Pressure				Fuel Rail Pressure

17	0.5 YE	2918	(FRP) Sensor Signal	17	0.5 YE	IC40	(FRP) Sensor Signal
18	0.5 D-BU/WH	6265	Camshaft Position (CMP) Sensor Signal	18	0.5 D-BU/WH	IC27	Camshaft Position (CMP) Sensor Signal
19	0.5 BN	6266	Low Reference	19	0.5 BN	IC28	Low Reference
20	0.5 D-BU	6259	5-Volt Reference	20	0.5 D-BU	IC26	5-Volt Reference
21-27	--	--	Not Used	21-27	--	--	Not Used
28	0.5 GY	2702	5-Volt Reference	28	0.5 GY	IC142	5-Volt Reference
29	0.5 TN	2753	Low Reference	29	0.5 TN	IC143	Low Reference
30	0.5 BN/WH	5763	Exhaust Gas Recirculation (EGR) Valve Sensor Signal	30	0.5 BN/WH	IC144	Exhaust Gas Recirculation (EGR) Valve Sensor Signal
31	0.5 L-GN/BK	5746	Exhaust Gas Recirculation (EGR) Valve Motor Low Control	31	0.5 L-GN/BK	IC141	Exhaust Gas Recirculation (EGR) Valve Motor Low Control
32	0.5 OG/BK	5764	Exhaust Gas Recirculation Valve Motor High Control	32	0.5 OG/BK	IC140	Exhaust Gas Recirculation Valve Motor High Control
33	0.5 BN	6782	Low Reference	33	0.5 BN	IC146	Low Reference
34	1 TN/WH	845	Fuel Injector 5 Control	34	2 TN/WH	IC19	Fuel Injector 5 Control
35	1 D-BU/WH	878	Fuel Injector 8 Control	35	2 D-BU/WH	IC22	Fuel Injector 8 Control
36	0.5 BN/WH	6783	Low Reference	36	0.5 WH	IC148	Low Reference
37	0.5 D-BU	5277	Exhaust Gas Temperature Sensor Signal	37	0.5 PU/WH	IC145	Exhaust Gas Temperature Sensor Signal
38-39	--	--	Not Used	38-39	--	--	Not Used
40	0.5 L-BU	5377	Exhaust Gas Temperature Sensor Signal	40	0.5 D-BU	IC147	Exhaust Gas Temperature Sensor Signal

## X109 Engine Harness to Underhood Lamp Harness





## Connector Part Information

- | OEM: 12052641
- | Service: 12052641
- | Description: 2-Way F Metri-Pack 150 Series Sealed (BK)

## Connector Part Information

- | OEM: 12162000
- | Service: 12167120
- | Description: 2-Way M Metri-Pack 150 Series Sealed (BK)

## Terminal Part Information

- | Terminal/Tray: 12048074/2
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

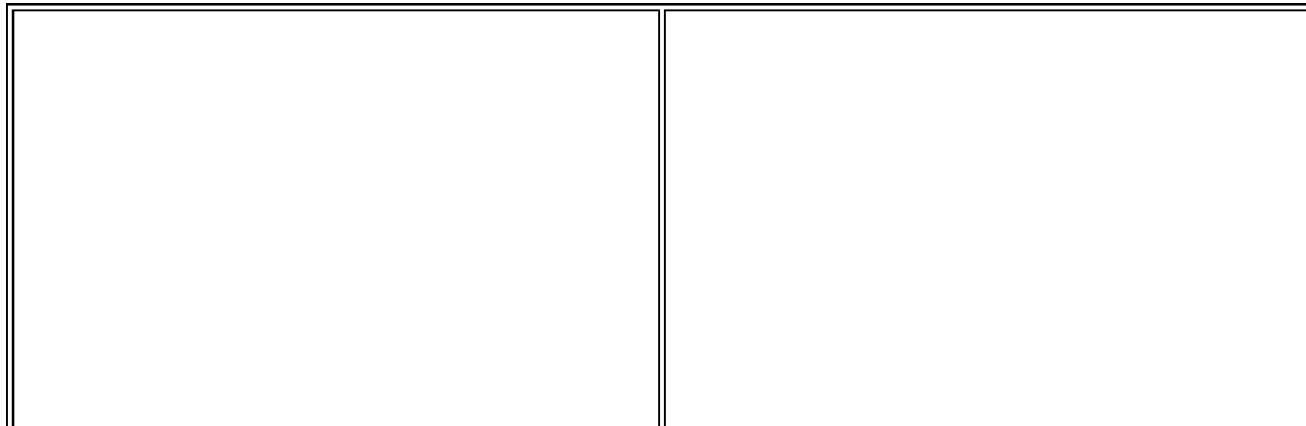
## Terminal Part Information

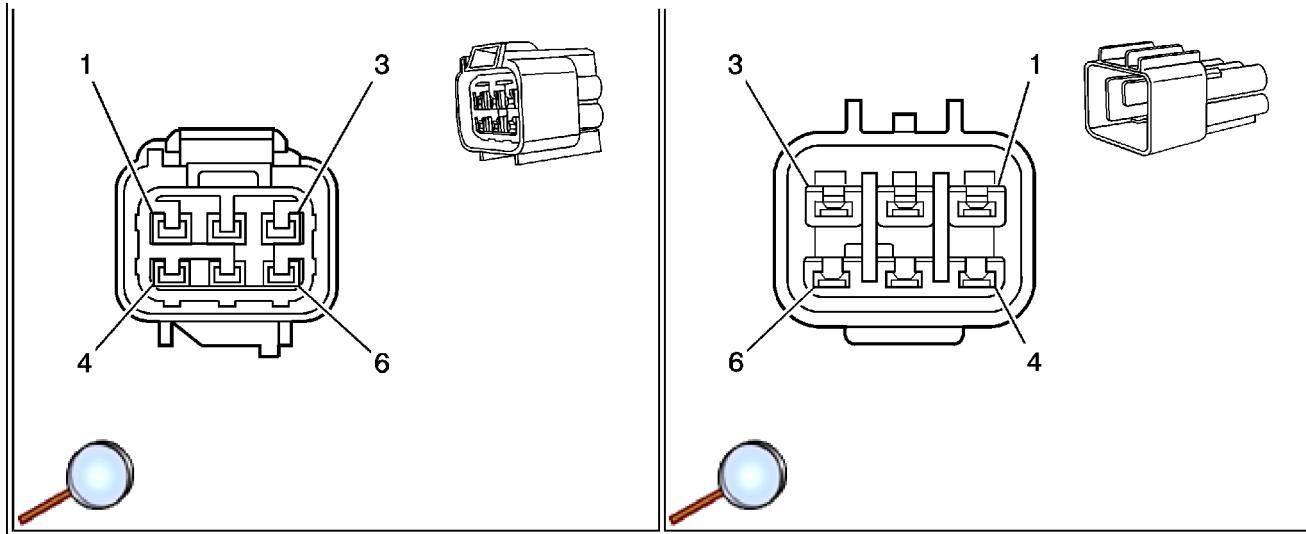
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X109 Engine Harness to Underhood Lamp Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.5 OG	1732	Courtesy Lamp Control	A	0.5 OG	1732	Courtesy Lamp Control
B	0.8 BK	1250	Ground	B	0.5 BK	1250	Ground

## X110 Engine Jumper Harness to Engine Harness (6.6L)





### Connector Part Information

- | OEM: NFMT-SBC-6F-B
- | Service: See Catalog
- | Description: 6-Way F (BK)

### Connector Part Information

- | OEM: NFMT-SBC-6M-B
- | Service: See Catalog
- | Description: 6-Way M (BK)

### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

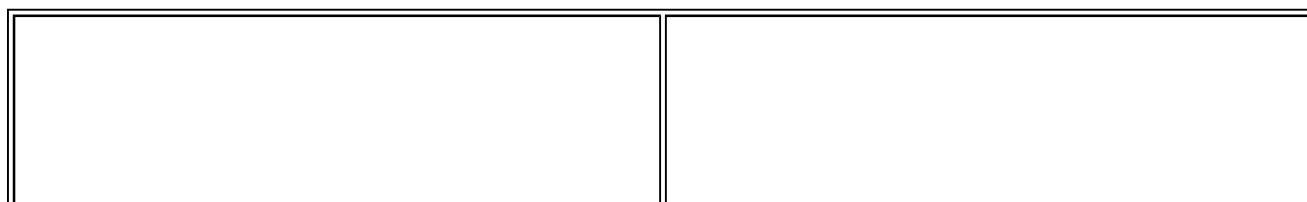
### Terminal Part Information

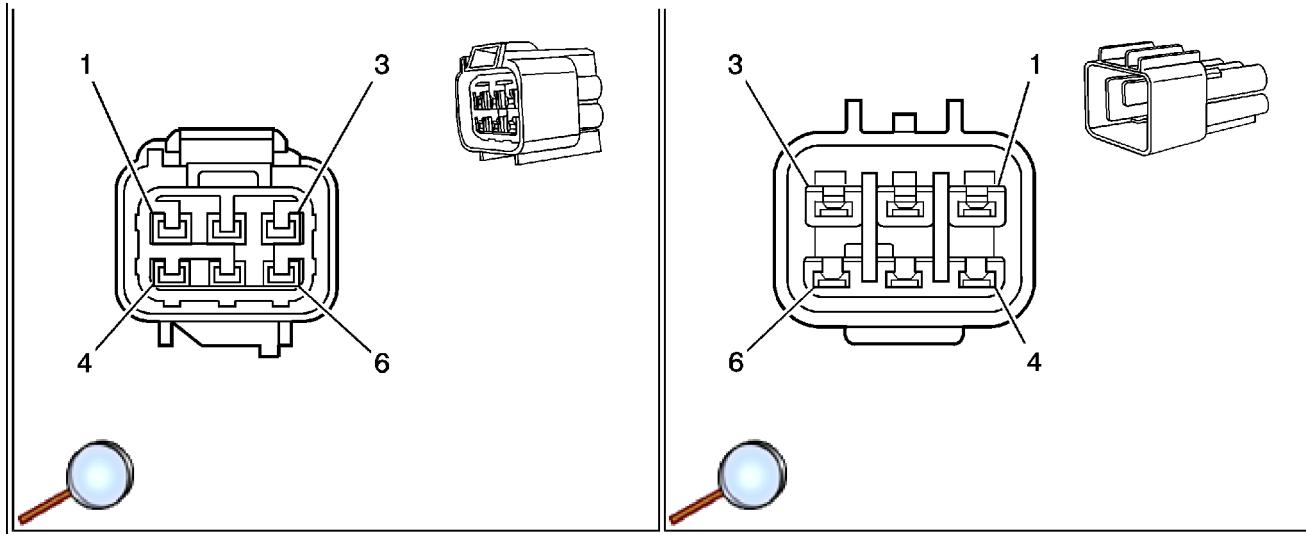
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X110 Engine Jumper Harness to Engine Harness (6.6L)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	0.5 PK/YL	HB03	ECM Voltage Control	1	0.75 RD	HB03	ECM Voltage Control
2	0.5 TN/WH	IC66	Oil Pressure Sensor Signal	2	0.5 TN/WH	IC66	Oil Pressure Sensor Signal
3	0.5 BN	IC68	Oil Level Switch Signal	3	0.5 BN	IC68	Oil Level Switch Signal
4	0.5 GY	IC57	5-Volt Reference	4	0.5 GY	IC57	5-Volt Reference
5	0.5 BK	IC71	5-Volt Reference	5	0.5 BK	IC71	5-Volt Reference
6	--	--	Not Used	6	--	--	Not Used

## X111 Coolant Temp/Fuel Pressure Regulator Jumper Harness to Engine Harness (6.6L)





## Connector Part Information

- | OEM: NFMT-SBC-6F-G
- | Service: See Catalog
- | Description: 6-Way F (GY)

## Connector Part Information

- | OEM: NFMT-SBC-6M-G
- | Service: See Catalog
- | Description: 6-Way M (GY)

## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

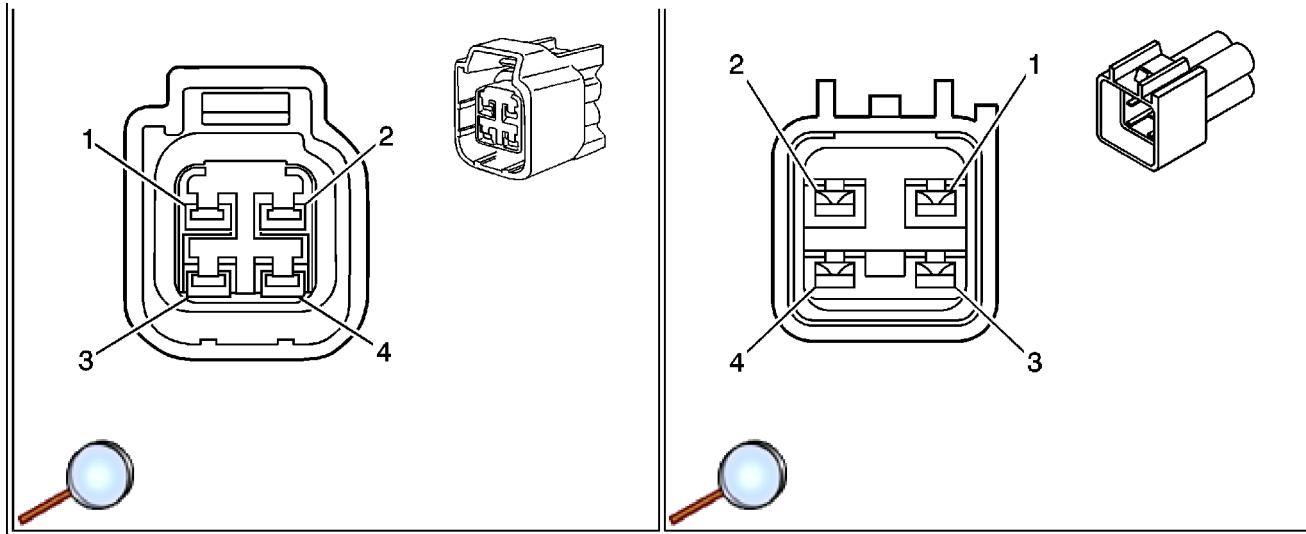
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X111 Coolant Temp/Fuel Pressure Regulator Jumper Harness to Engine Harness (6.6L)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	Bare	I207	Shield	1	Bare	I207	Shield
2	0.5 YE	IC31	Fuel Pressure Regulator Solenoid Control	2	0.5 YE	IC31	Fuel Pressure Regulator Solenoid Control
3	0.5 PU/WH	IC32	Fuel Pressure Regulator Solenoid Control	3	0.5 PU/WH	IC32	Fuel Pressure Regulator Solenoid Control
4	--	--	Not Used	4	--	--	Not Used
5	0.5 BK	IC47	Low Reference	5	0.5 TN	IC47	Low Reference
6	0.5 YE	IC41	ECT Sensor Signal	6	0.5 YE	IC41	ECT Sensor Signal

## X112 Fuel Rail Pressure Sensor Jumper Harness to Engine Harness (6.6L)



### Connector Part Information

- | OEM: NFMT-SBC-4F-B
- | Service: See Catalog
- | Description: 4-Way F (BK)

### Connector Part Information

- | OEM: NFMT-SBC-4M-B
- | Service: See Catalog
- | Description: 4-Way M (BK)

### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

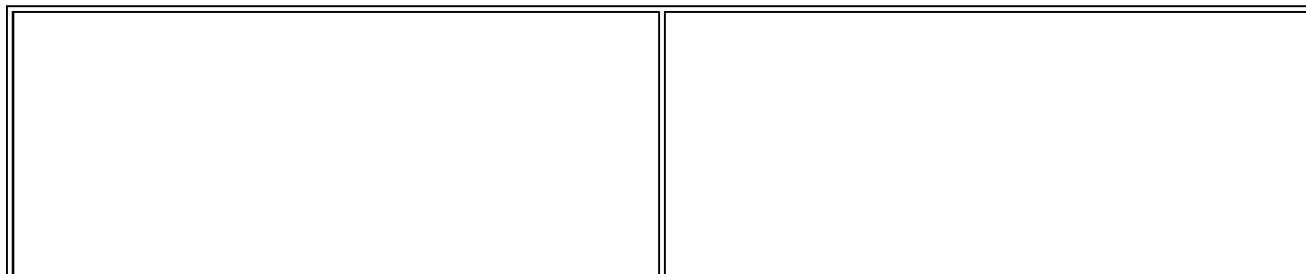
### Terminal Part Information

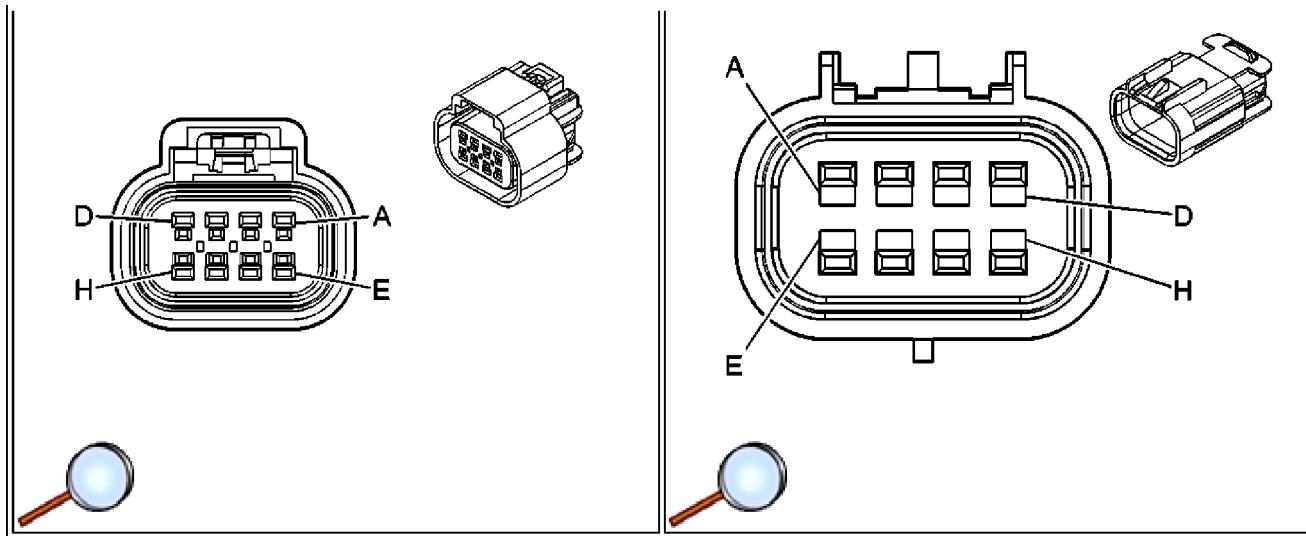
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X112 Fuel Rail Pressure Sensor Jumper Harness to Engine Harness (6.6L)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	0.5 WH	IC46	Low Reference	1	0.5 OG/BK	IC46	Low Reference
2	0.5 OG/BK	IC40	FRP Sensor Signal	2	0.5 YE	IC40	FRP Sensor Signal
3	--	--	Not Used	3	--	--	Not Used
4	0.5 D-BU	IC37	5-Volt Reference	4	0.5 TN	IC37	5-Volt Reference

## X115 Engine Chassis Harness to Catalytic Converter Jumper Harness (6.6L)





## Connector Part Information

- | OEM: 15326835
- | Service: 88986255
- | Description: 8-Way F GT 150 Series Sealed (BK)

## Terminal Part Information

- | Pins: C
- | Terminal/Tray: N/A
- | Core/Insulation Crimp: N/A
- | Release Tool/Test Probe: N/A

## Connector Part Information

- | OEM: 15326840
- | Service: 15326840
- | Description: 8-Way M GT 150 Sealed 4.0 (BK)

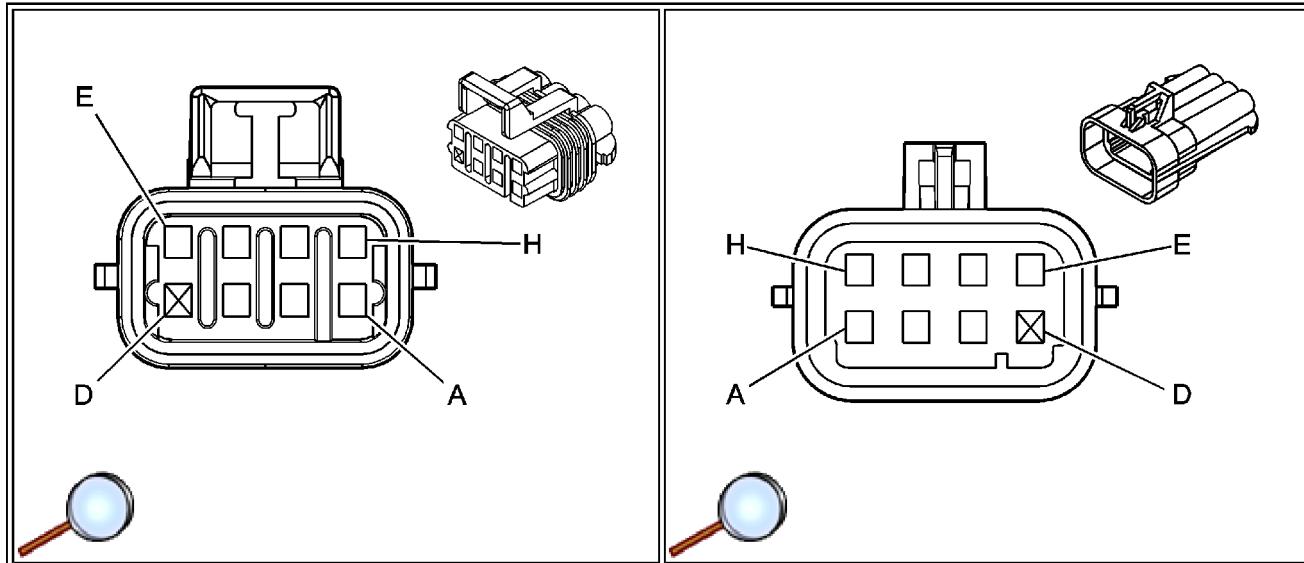
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X115 Engine Chassis Harness to Catalytic Converter Jumper Harness (6.6L)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.5 D-BU	5277	Exhaust Gas Temperature Sensor Signal	A	0.5 D-BU	5277	Exhaust Gas Temperature Sensor Signal
B	0.5 BN	6274	Low Reference	B	0.5 BN	6274	Low Reference
C	--	--	Not Used	C	--	--	Not Used
D	0.5 GY	6054	5-Volt Reference	D	0.5 GY	6054	5-Volt Reference
E	0.5 L-BU	5377	Exhaust Gas Temperature Sensor Signal	E	0.5 L-BU	5377	Exhaust Gas Temperature Sensor Signal
F	0.5 GY/BK	6290	Low Reference	F	0.5 GY/BK	6290	Low Reference
G	0.5 D-BU	6053	DPF Sensor Signal	G	0.5 D-BU	6053	DPF Sensor Signal
H	0.5 YE/BK	6055	Low Reference	H	0.5 YE/BK	6055	Low Reference

## X126 Engine Harness to Left Ignition Coil Harness (4.8L/5.3L/6.0L)



### Connector Part Information

- | OEM: 12047938
- | Service: 12102754
- | Description: 7-Way F Metri-Pack 150 Series Sealed (L-GY)

### Terminal Part Information

- | Pins: A-C, E-H
- | Terminal/Tray: 12048074/2
- | Core/Insulation Crimp: Pins: B-C, E-G : E/1
- | Core/Insulation Crimp: Pins: A, H : 2/1
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

### Connector Part Information

- | OEM: 12047933
- | Service: 12047933
- | Description: 7-Way M Metri-Pack 150 Series Sealed (GY)

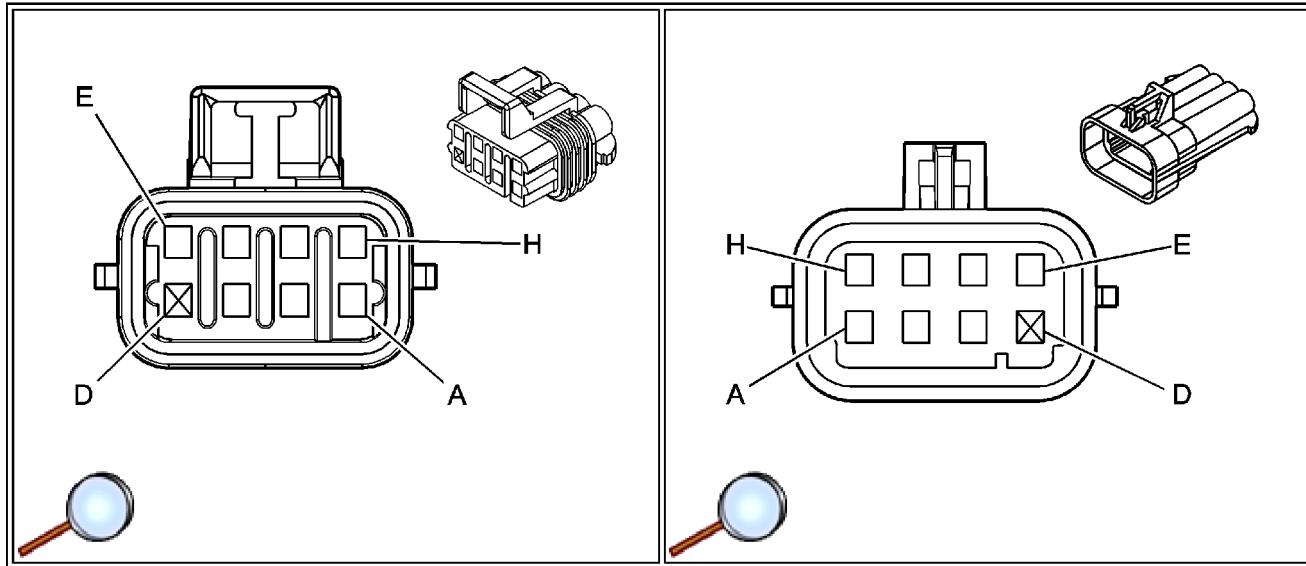
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X126 Engine Harness to Left Ignition Coil Harness (4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	1 BK	1250	Ground	A	1 BK	350	Ground
B	0.8 OG	2127	Ignition Coil 7 Control	B	0.8 RD	2127	Ignition Coil 7 Control
C	0.8 D-GN	2125	Ignition Coil 5 Control	C	0.8 D-GN	2125	Ignition Coil 5 Control
D	--	--	Not Available	D	--	--	Not Available
E	0.8 BN	2129	Low Reference	E	0.8 BN	2129	Low Reference
F	0.8 L-BU	2123	Ignition Coil 3 Control	F	0.8 L-BU	2123	Ignition Coil 3 Control
G	0.8 PU	2121	Ignition Coil 1 Control	G	0.8 PU	2121	Ignition Coil 1 Control
H	1 PK	1039	Ignition Voltage	H	1 PK	1039	Ignition Voltage

## X127 Engine Harness to Right Side Ignition Coil Harness (4.8L/5.3L/6.0L)



### Connector Part Information

- | OEM: 12047938
- | Service: 12102754
- | Description: 7-Way F Metri-Pack 150 Series Sealed (L-GY)

### Terminal Part Information

- | Pins: A-C, E-H
- | Terminal/Tray: 12048074/2
- | Core/Insulation Crimp: Pins: B-C, E-G : E/1
- | Core/Insulation Crimp: Pins: A, H : 2/1
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

### Connector Part Information

- | OEM: 12047933
- | Service: 12047933
- | Description: 7-Way M Metri-Pack 150 Series Sealed (GY)

### Terminal Part Information

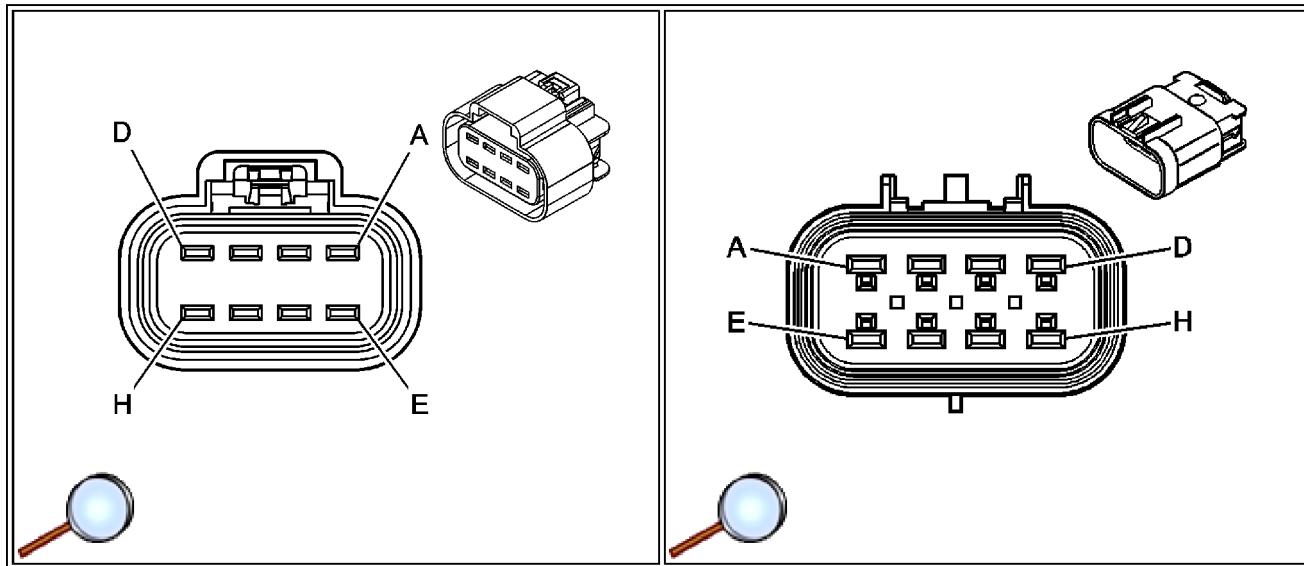
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X127 Engine Harness to Right Side Ignition Coil Harness (4.8L/5.3L/6.0L)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	1 BK	1250	Ground	A	1 BK	350	Ground
B	0.8 OG/WH	2122	Ignition Coil 2 Control	B	0.8 RD	2122	Ignition Coil 2 Control
C	0.8 D-GN/WH	2124	Ignition Coil 4 Control	C	0.8 D-GN	2124	Ignition Coil 4 Control
D	--	--	Not Available	D	--	--	Not Available
E	0.8 BN/WH	2130	Low Reference	E	0.8 BN	2130	Low Reference
F	0.8 L-BU/WH	2126	Ignition Coil 6 Control	F	0.8 L-BU	2126	Ignition Coil 6 Control

G	0.8 PU/WH	2128	Ignition Coil 8 Control	G	0.8 PU	2128	Ignition Coil 8 Control
H	1 PK	1239	Ignition Voltage	H	1 PK	1239	Ignition Voltage

## X128 Engine Harness to Heated Oxygen Sensor Jumper Harness (Cutaway 4.8L/6.0L)



### Connector Part Information

- | OEM: 15326654
- | Service: 15326654
- | Description: 8-Way F GT 280 5.8 Series Sealed (BK)

### Connector Part Information

- | OEM: 15326655
- | Service: 15306424
- | Description: 8-Way M GT 280 5.8 Series Sealed (BK)

### Terminal Part Information

- | Terminal/Tray: 15304719/19
- | Core/Insulation Crimp: 2/5
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

### Terminal Part Information

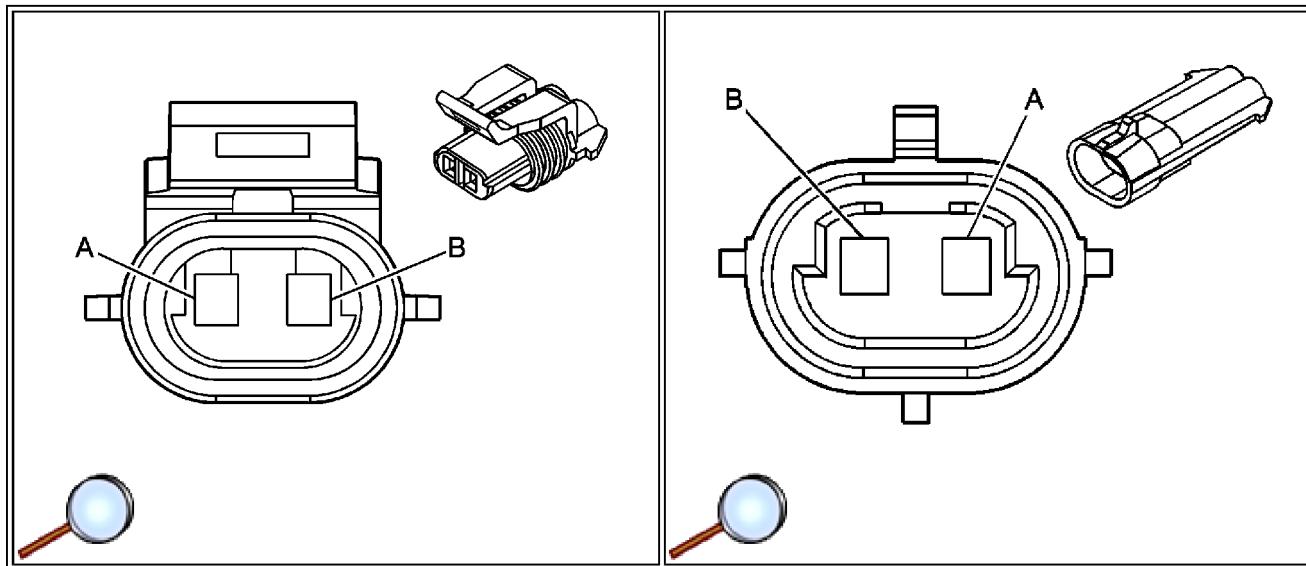
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X128 Engine Harness to Heated Oxygen Sensor Jumper Harness (Cutaway 4.8L/6.0L)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.8 PU/WH	1668	Heated Oxygen Sensor (HO2S) High Signal - Bank 1 Sensor 2	A	0.8 PU/WH	1668	Heated Oxygen Sensor (HO2S) High Signal - Bank 1 Sensor 2
B	0.8 PK	1539	Ignition Voltage	B	0.8 PK	1539	Ignition Voltage
C	0.8 TN/WH	1669	Heated Oxygen Sensor (HO2S) Low Signal -	C	0.8 TN/WH	1669	Heated Oxygen Sensor (HO2S) Low Signal -

			Bank 1 Sensor 2				Bank 1 Sensor 2
D	0.8 TN	1671	Heated Oxygen Sensor (HO2S) Heater Low Control - Bank 2 Sensor 2	D	0.8 TN	1671	Heated Oxygen Sensor (HO2S) Heater Low Control - Bank 2 Sensor 2
E	0.8 PU	1670	Heated Oxygen Sensor (HO2S) High Signal - Bank 2 Sensor 2	E	0.8 PU	1670	Heated Oxygen Sensor (HO2S) High Signal - Bank 2 Sensor 2
F	0.8 PK	1539	Ignition Voltage	F	0.8 PK	1539	Ignition Voltage
G	0.8 GY/WH	3122	Heated Oxygen Sensor (HO2S) Heater Low Control - Bank 2 Sensor 1	G	0.8 GY/WH	3122	Heated Oxygen Sensor (HO2S) Heater Low Control - Bank 2 Sensor 1
H	0.8 OG/WH	3223	Heated Oxygen Sensor (HO2S) Heater Low Control - Bank 2 Sensor 2	H	0.8 OG/WH	3223	Heated Oxygen Sensor (HO2S) Heater Low Control - Bank 2 Sensor 2

## X141 Instrument Panel Harness to Brake Fluid Alarm Switch Jumper Harness (UJ1)



### Connector Part Information

- | OEM: 12052644
- | Service: See Catalog
- | Description: 2-Way F Metri-Pack 150 Series Sealed (GY)

### Terminal Part Information

- | Pins: A-B
- | Terminal/Tray: 12048074/2

### Connector Part Information

- | OEM: 12162343
- | Service: 12162343
- | Description: 2-Way M Metri-Pack 150 (GY)

### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal

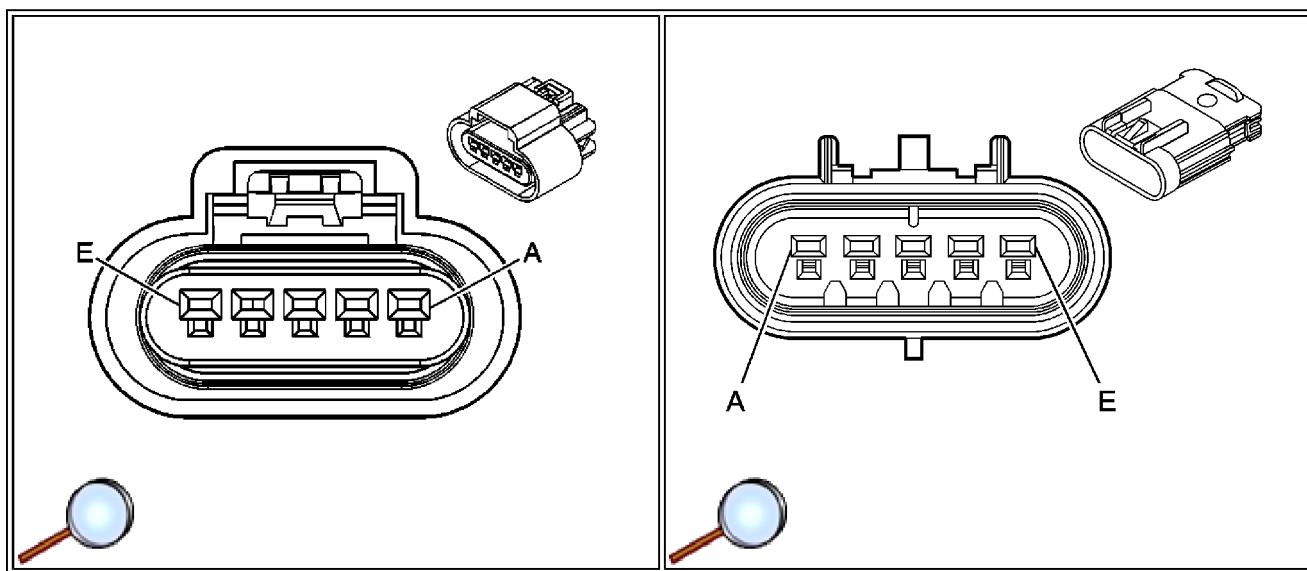
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

- | Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X141 Instrument Panel Harness to Brake Fluid Alarm Switch Jumper Harness (UJ1)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.5 TN/WH	33	Brake Warning Indicator Control	A	0.5 TN/WH	33	Brake Warning Indicator Control
B	0.5 BK/WH	351	Ground	B	0.5 BK	350	Ground

## X142 Engine Chassis Harness to Fan Jumper Harness (6.6L)



### Connector Part Information

- | OEM: 13519051
- | Service: 19151498
- | Description: 5-Way F GT 150 Series Sealed (BK)

### Terminal Part Information

- | Pins: A-E
- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: Pins: D-E : 2/A
- | Core/Insulation Crimp: Pins: A-E : E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

### Connector Part Information

- | OEM: 13519053
- | Service: See Catalog
- | Description: 5-Way M GT 150 Series Sealed (BK)

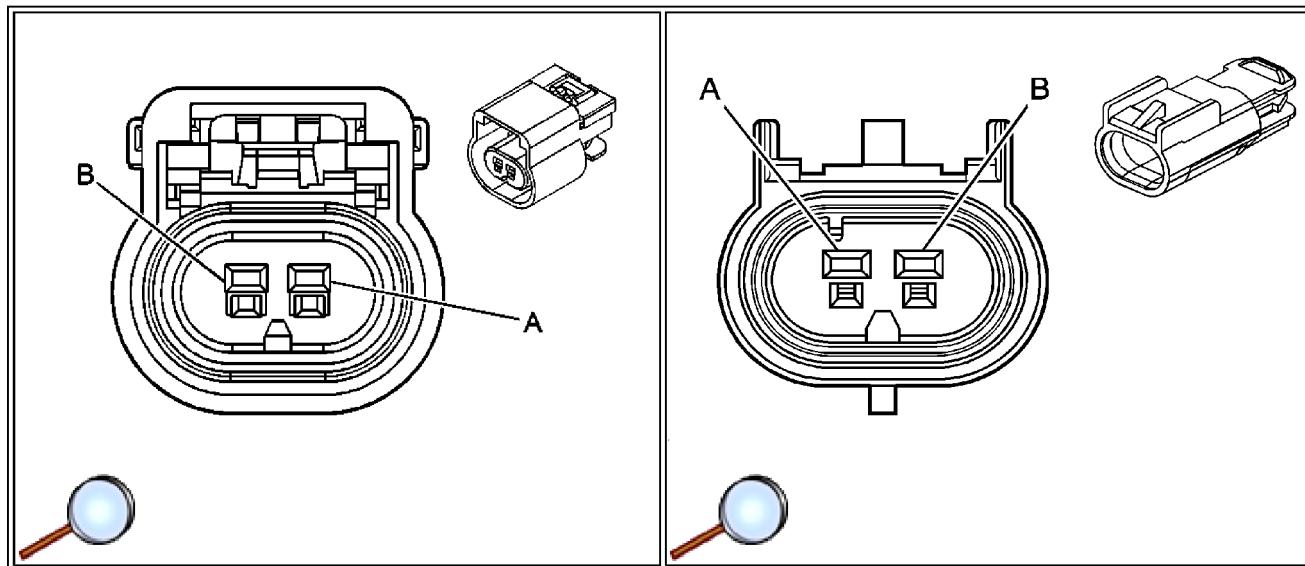
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X142 Engine Chassis Harness to Fan Jumper Harness (6.6L)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.8 BK	1250	Ground	A	0.5 BK	1250	Ground
B	0.5 WH	2368	Cooling Fan Clutch Control	B	0.5 WH	2368	Cooling Fan Clutch Control
C	0.5 BN/WH	6141	Low Reference	C	0.5 BN/WH	6141	Low Reference
D	0.5 D-BU	2364	Cooling Fan Speed Signal	D	0.5 D-BU	2364	Cooling Fan Speed Signal
E	0.5 GY	2365	Low Reference	E	0.5 GY	2365	Low Reference

## X150 Instrument Panel Harness to Forward Lamp Harness (UFA)



### Connector Part Information

- | OEM: 13510085
- | Service: See Catalog
- | Description: 2-Way F GT 150 Series Sealed (BK)

### Terminal Part Information

- | Pins: A-D
- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

### Connector Part Information

- | OEM: 13510099
- | Service: 19151499
- | Description: 2-Way M GT 150 Series Sealed (BK)

### Terminal Part Information

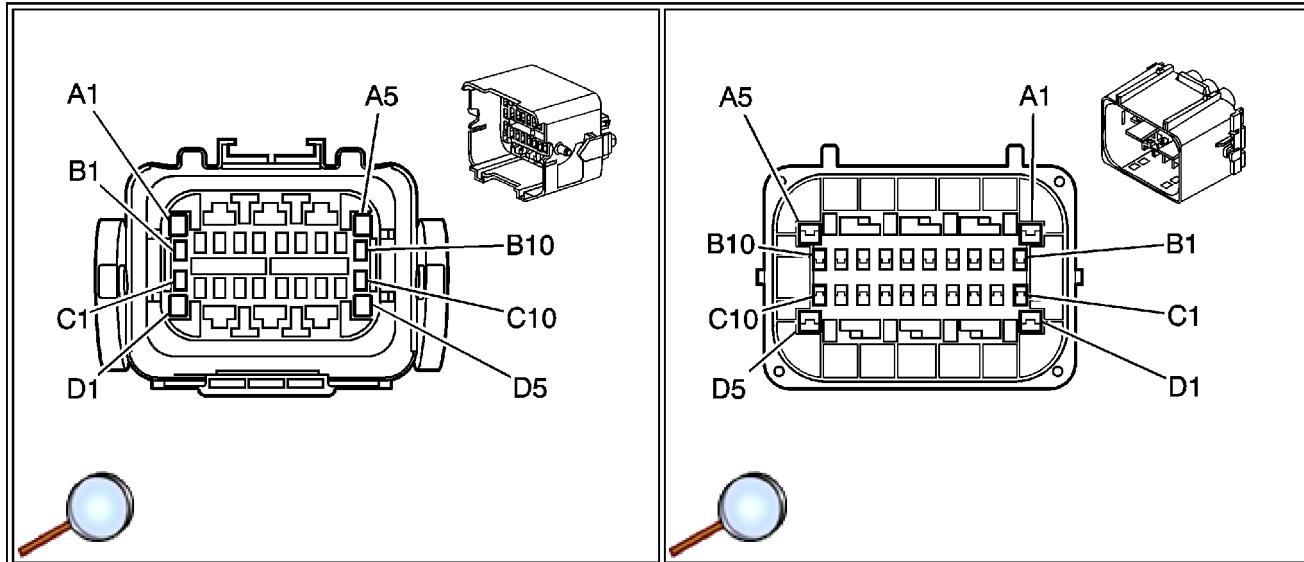
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X150 Instrument Panel Harness to Forward Lamp Harness (UFA)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function

A	0.5 YE	61	Low Reference	A	0.5 YE	61	Low Reference
B	0.5 D-GN/WH	636	Ambient Air Temperature Sensor Signal	B	0.5 D-GN/WH	636	Ambient Air Temperature Sensor Signal

## X174 Chassis Harness to Transmission Jumper Harness (6.6L)



### Connector Part Information

- | OEM: 15355480
- | Service: 15355480
- | Description: 30-Way F GT 150 Sealed (BK)

### Terminal Part Information

- | Pins: B1-B6, B8-B10, C1-C10
- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: Pins: B8, C8 : 2/A
- | Core/Insulation Crimp: Pins: B1-B6, B9-B10, C1-C7, C9-C10: E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)
  
- | Pins: A1, A5, D1, D5
- | Terminal/Tray: 15304719/19
- | Core/Insulation Crimp: Pins: D5 : 2/5
- | Core/Insulation Crimp: Pins: A1, A5, D1 : E/5
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)
  
- | Pins: A2, A4, D2-D3

### Connector Part Information

- | OEM: 15450272
- | Service: See Catalog
- | Description: 30-Way M GT 150, 280 Series Sealed (BK)

### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

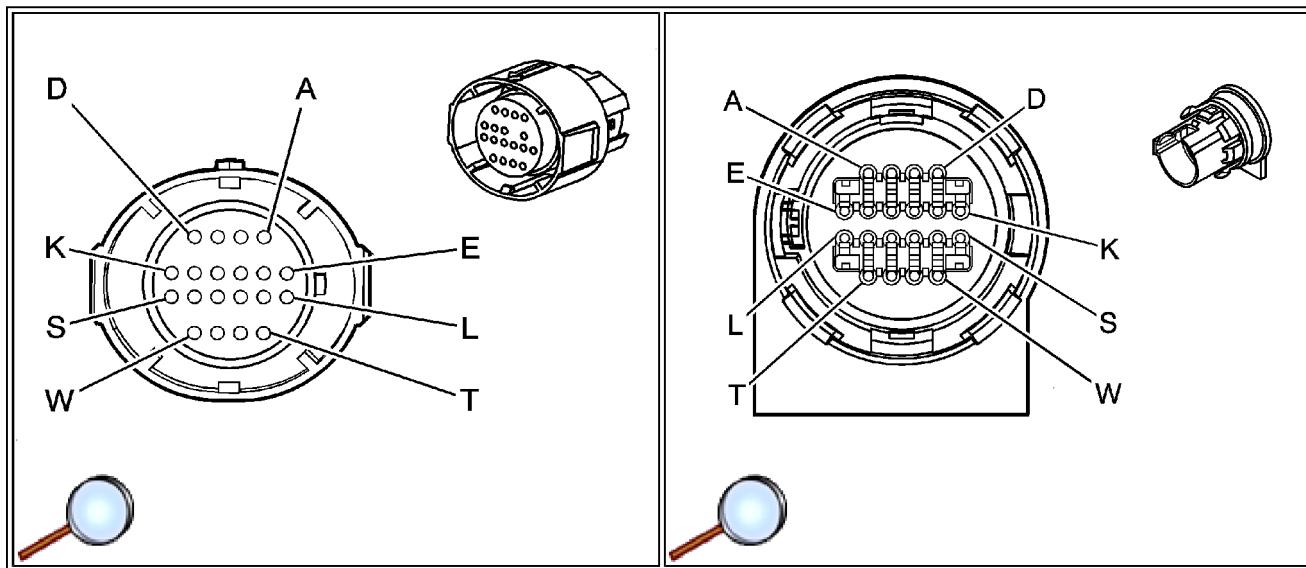
- | Terminal/Tray: 15305232/23
- | Core/Insulation Crimp: Pins: A4 : F/3
- | Core/Insulation Crimp: Pins: A2, D2-D3 : B/4/3
- | Release Tool/Test Probe: 12094430/J-35616-42 (RD)

## **X174 Chassis Harness to Transmission Jumper Harness (6.6L)**

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A1	0.35 PK	1224	Transmission Fluid Pressure Switch Signal A	A1	0.35 PK	1224	Transmission Fluid Pressure Switch Signal A
A2	0.5 D-BU/WH	1231	Automatic Transmission Input Speed Sensor (AT ISS) Low Signal	A2	0.5 D-BU/WH	1231	Automatic Transmission Input Speed Sensor (AT ISS) Low Signal
A3	--	--	Not Used	A3	--	--	Not Used
A4	2 BK	150	Ground	A4	2 BK	150	Ground
A5	0.5 BN	418	Torque Converter Clutch Pulse Width Modulation (TCC PWM) Solenoid Valve Control	A5	0.5 BN	418	Torque Converter Clutch Pulse Width Modulation (TCC PWM) Solenoid Valve Control
B1	0.35 D-BU	1225	Transmission Fluid Pressure Switch Signal B	B1	0.35 D-BU	1225	Transmission Fluid Pressure Switch Signal B
B2	0.35 OG	1226	Transmission Fluid Pressure Switch Signal C	B2	0.35 OG	1226	Transmission Fluid Pressure Switch Signal C
B3	0.5 OG/BK	1230	Automatic Transmission Input Speed Sensor (AT ISS) High Signal	B3	0.5 OG/BK	1230	Automatic Transmission Input Speed Sensor (AT ISS) High Signal
B4	0.5 TN/WH	771	Transmission Range Switch Signal A	B4	0.5 TN/WH	771	Transmission Range Switch Signal A
B5	0.5 GY	773	Transmission Range Switch Signal C	B5	0.5 GY	773	Transmission Range Switch Signal C
B6	0.5 BK/WH	1551	Ground	B6	0.5 BK/WH	1551	Ground
B7	--	--	Not Used	B7	--	--	Not Used
B8	0.8 GY	120	Fuel Pump Control	B8	0.8 GY	120	Fuel Pump Control
B9	0.35 OG/BK	1228	PC Solenoid Valve High Control	B9	0.35 OG/BK	1228	PC Solenoid Valve High Control
B10	0.5 L-GN	1222	1-2 Shift Solenoid Valve Control	B10	0.5 L-GN	1222	1-2 Shift Solenoid Valve Control
C1	0.35 TN	452	Low Reference	C1	0.35 TN	452	Low Reference
C2	0.5 PU/WH	821	Vehicle Speed Sensor (VSS) High Signal	C2	0.5 PU/WH	821	Vehicle Speed Sensor (VSS) High Signal
C3	0.5 L-	822	Vehicle Speed Sensor	C3	0.5 L-	822	Vehicle Speed Sensor

	GN/BK		(VSS) Low Signal		GN/BK		(VSS) Low Signal
C4	0.5 YE	772	Transmission Range Switch Signal B	C4	0.5 YE	772	Transmission Range Switch Signal B
C5	0.5 WH	776	Transmission Range Switch Signal P	C5	0.5 WH	776	Transmission Range Switch Signal P
C6	0.5 OG/BK	1786	Ignition Lock Cylinder Control Actuator Signal	C6	0.5 OG/BK	1786	Ignition Lock Cylinder Control Actuator Signal
C7	--	--	Not Used	C7	--	--	Not Used
C8	0.8 PK	2239	Ignition Voltage	C8	0.8 PK	2239	Ignition Voltage
C9	0.35 L-BU/WH	1229	PC Solenoid Valve Low Control	C9	0.35 L-BU/WH	1229	PC Solenoid Valve Low Control
C10	0.5 YE/BK	1223	2-3 Shift Solenoid Valve Control	C10	0.5 YE/BK	1223	2-3 Shift Solenoid Valve Control
D1	0.35 YE/BK	1227	Transmission Fluid Temperature (TFT) Sensor Signal	D1	0.35 YE/BK	1227	Transmission Fluid Temperature (TFT) Sensor Signal
D2	0.5 YE/BK	508	Water In Fuel Indicator Control	D2	0.5 YE/BK	508	Water In Fuel Indicator Control
D3	0.5 D-BU	6863	Low Reference	D3	0.5 D-BU	6863	Low Reference
D4	--	--	Not Used	D4	--	--	Not Used
D5	0.8 PK	3039	Ignition Voltage	D5	0.8 PK	3039	Ignition Voltage

## X175 Engine Harness to Transmission Harness (4L60-E)



### Connector Part Information

- | OEM: 15480685
- | Service: See Catalog

### Connector Part Information

- | OEM: 15443076
- | Service: See Catalog

- | Description: 20-Way F Micro-Pack 100W Series Sealed (BK)

## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

- | Description: 16-Way F Micro-Pack 100 Series Sealed (GY)

## Terminal Part Information

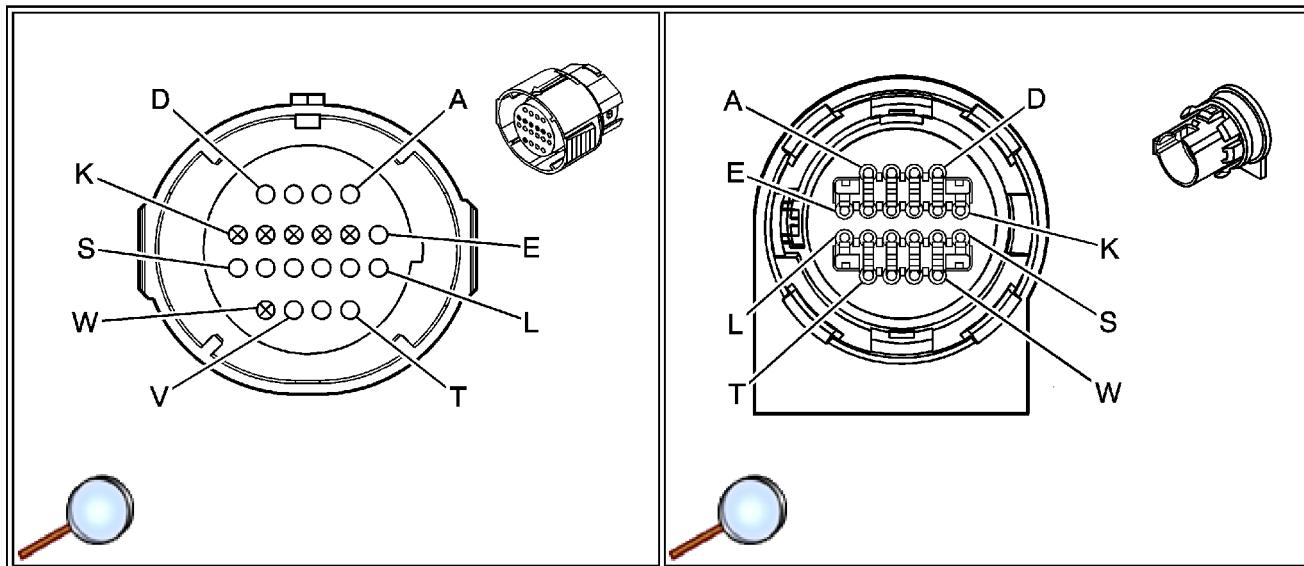
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X175 Engine Harness to Transmission Harness (4L60-E)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.5 L-GN	1222	1-2 Shift Solenoid Valve Control	A	0.5 L-GN	1222	1-2 Shift Solenoid Valve Control
B	0.5 YE/BK	1223	2-3 Shift Solenoid Valve Control	B	0.5 YE	1223	2-3 Shift Solenoid Valve Control
C	0.35 OG/BK	1228	PC Solenoid Valve High Control	C	0.5 PU	1228	PC Solenoid Valve High Control
D	0.35 L-BU/WH	1229	PC Solenoid Valve Low Control	D	0.5 L-BU	1229	PC Solenoid Valve Low Control
E	0.8 PK	3039	Ignition Voltage	E	0.5 RD	839	Ignition Voltage
F	0.35 TN/WH	771	Transmission Range Switch Signal A	F	0.35 TN/WH	771	Transmission Range Switch Signal A
G	0.35 YE	772	Transmission Range Switch Signal B	G	0.35 YE	772	Transmission Range Switch Signal B
H	0.35 GY	773	Transmission Range Switch Signal C	H	0.35 GY	773	Transmission Range Switch Signal C
J	0.35 WH	776	Transmission Range Switch Signal P	J	0.35 WH	776	Transmission Range Switch Signal P
K	0.35 OG/BK	1230	Input Speed Sensor (ISS) High Signal	K	0.35 OG/BK	1230	Input Speed Sensor (ISS) High Signal
L	0.35 YE/BK	1227	Transmission Fluid Temperature (TFT) Sensor Signal	L	0.5 BN	1227	Transmission Fluid Temperature (TFT) Sensor Signal
M	0.35 TN	452	Low Reference	M	0.5 GY	452	Low Reference
N	0.8 BK/WH	1551	Ground	N	0.8 BK/WH	1551	Ground
P-S	--	--	Not Used	P	--	--	Not Used
T	0.5 TN/BK	422	Torque Converter Clutch (TCC) Solenoid Valve Control	T	0.5 BK	422	Torque Converter Clutch (TCC) Solenoid Valve Control
U	0.5 BN	418	Torque Converter Clutch Pulse Width Modulation (TCC PWM) Solenoid Valve Control	U	0.5 TN	418	Torque Converter Clutch Pulse Width Modulation (TCC PWM) Solenoid Valve Control
V	0.35 D-BU/WH	1231	Input Speed Sensor (ISS) Low Signal	V	0.35 D-BU/WH	1231	Input Speed Sensor (ISS) Low Signal

W	0.35 OG/BK	1786	P/N Position Switch Signal	W	0.35 OG/BK	1786	P/N Position Switch Signal
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## X175 Engine Harness to Transmission Harness (4L80-E)



### Connector Part Information

- | OEM: 12160493
- | Service: See Catalog
- | Description: 20-Way F Micro-Pack 100 Series Sealed (GY)

### Connector Part Information

- | OEM: 12160782
- | Service: 12160782
- | Description: 20-Way F Micro-Pack 100 Series Sealed (GY)

### Terminal Part Information

- | Pins: A-D, K-V
- | Terminal/Tray: 12084913/5
- | Core/Insulation Crimp: W/W
- | Release Tool/Test Probe: 12122523/J-35616-6 (BN)
  
- | Pins: E
- | Terminal/Tray: 12084912/5
- | Core/Insulation Crimp: W/W
- | Release Tool/Test Probe: 12122523/J-35616-6 (BN)

### Terminal Part Information

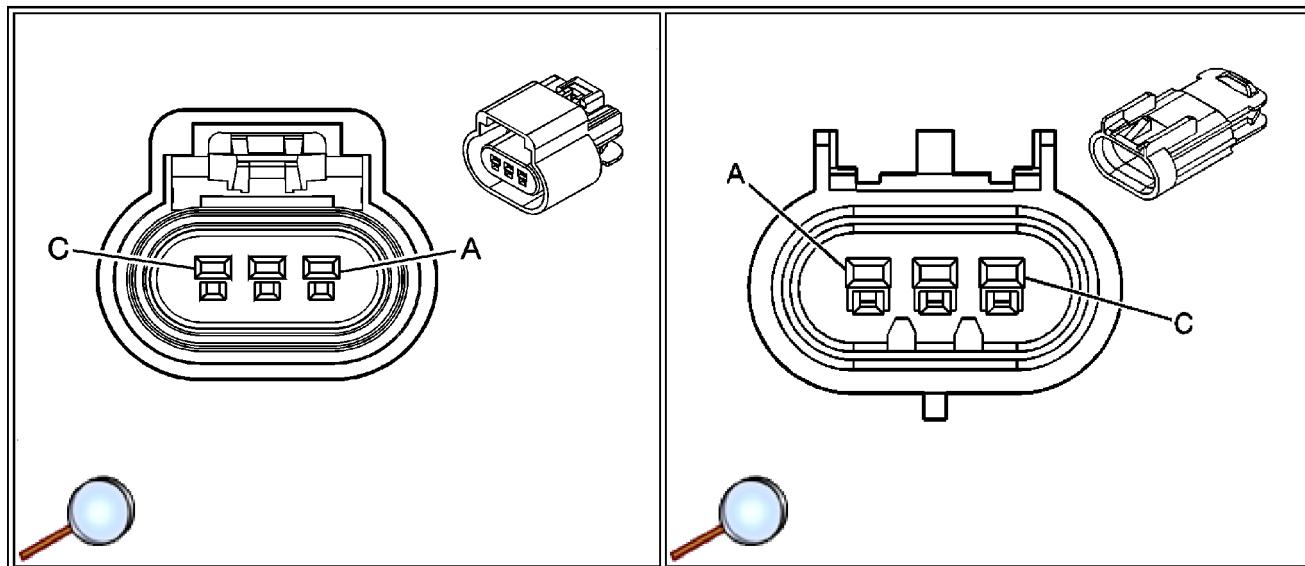
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X175 Engine Harness to Transmission Harness (4L80-E)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.5 L-GN	1222	1-2 Shift Solenoid Valve Control	A	0.5 L-GN	1222	1-2 Shift Solenoid Valve Control
B	0.5	1223	2-3 Shift Solenoid Valve	B	0.5	1223	2-3 Shift Solenoid Valve

	YE/BK		Control		YE		Control
C	0.35 OG/BK	1228	PC Solenoid Valve High Control	C	0.5 PU	1228	PC Solenoid Valve High Control
D	0.35 L-BU/WH	1229	PC Solenoid Valve Low Control	D	0.5 L-BU	1229	PC Solenoid Valve Low Control
E	0.8 PK	3039	Ignition Voltage	E	0.5 RD	839	Ignition Voltage
F-K	--	--	Not Available	F-K	--	--	Not Available
L	0.35 YE/BK	1227	Transmission Fluid Temperature (TFT) Sensor Signal	L	0.5 BN	1227	Transmission Fluid Temperature (TFT) Sensor Signal
M	0.35 TN	452	Low Reference	M	0.5 GY	452	Low Reference
N	0.35 PK	1224	Transmission Fluid Pressure Switch Signal A	N	0.5 PK	1224	Transmission Fluid Pressure Switch Signal A
P	0.35 OG	1226	Transmission Fluid Pressure Switch Signal C	P	0.5 OG	1226	Transmission Fluid Pressure Switch Signal C
R	0.35 D-BU	1225	Transmission Fluid Pressure Switch Signal B	R	0.5 D-BU	1225	Transmission Fluid Pressure Switch Signal B
S	0.5 BN	418	Torque Converter Clutch Pulse Width Modulation (TCC PWM) Solenoid Valve Control	S	0.5 BK	418	Torque Converter Clutch Pulse Width Modulation (TCC PWM) Solenoid Valve Control
T-V	--	--	Not Used	T-V	--	--	Not Used
W	--	--	Not Available	W	--	--	Not Available

## X176 Engine Harness to Camshaft Position Sensor Jumper Harness (4.3L)



**Connector Part Information**

**Connector Part Information**

- | OEM: 13519047
- | Service: See Catalog
- | Description: 3-Way M GT 150 Series Sealed (BK)

- | OEM: 15326813
- | Service: 15326813
- | Description: 3-Way M 150 Series Sealed (BK)

## Terminal Part Information

- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

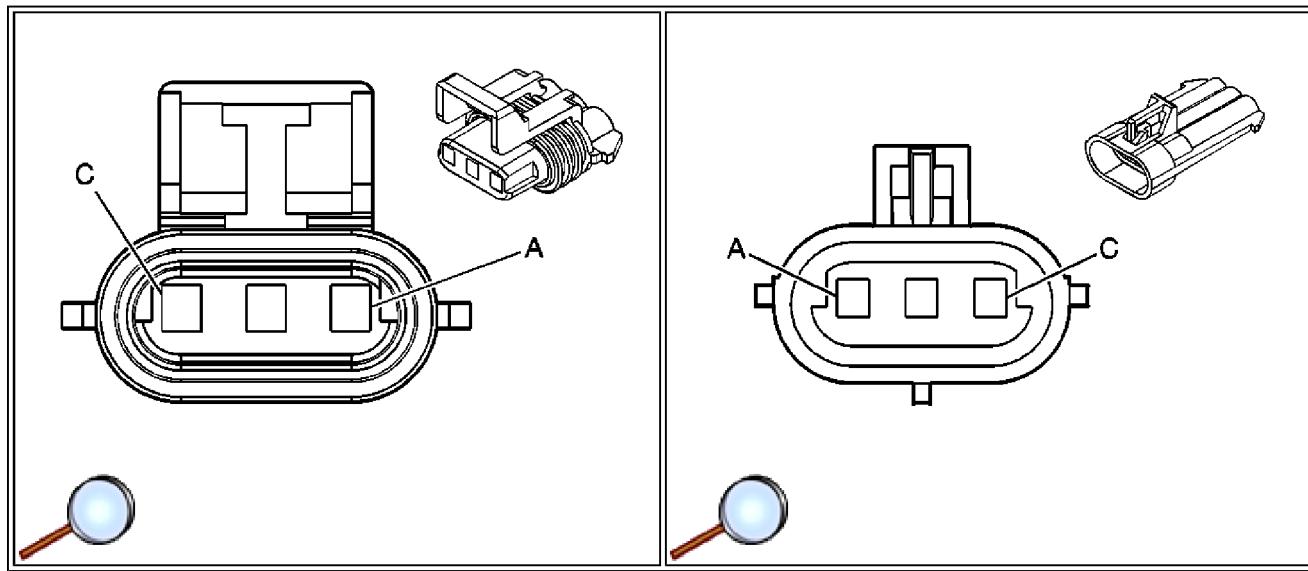
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

### X176 Engine Harness to Camshaft Position Sensor Jumper Harness (4.3L)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.35 D-BU	6259	5-Volt Reference	A	0.35 RD	631	5-Volt Reference
B	0.35 BN	6266	Low Reference	B	0.35 PK/BK	632	Low Reference
C	0.35 D-BU/WH	6265	Camshaft Position (CMP) Sensor Signal	C	0.35 BN/WH	633	Camshaft Position (CMP) Sensor Signal

### X177 Engine Harness to Camshaft Position Sensor Jumper Harness (4.8L/5.3L)



## Connector Part Information

- | OEM: 12110293
- | Service: 12110293
- | Description: 3-Way F Metri-Pack 150 Series Sealed (BK)

## Connector Part Information

- | OEM: 12129615
- | Service: 15305889
- | Description: 3-Way M Metri-Pack 150 Series Sealed (BK)

## Terminal Part Information

- | Terminal/Tray: 12048074/2
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

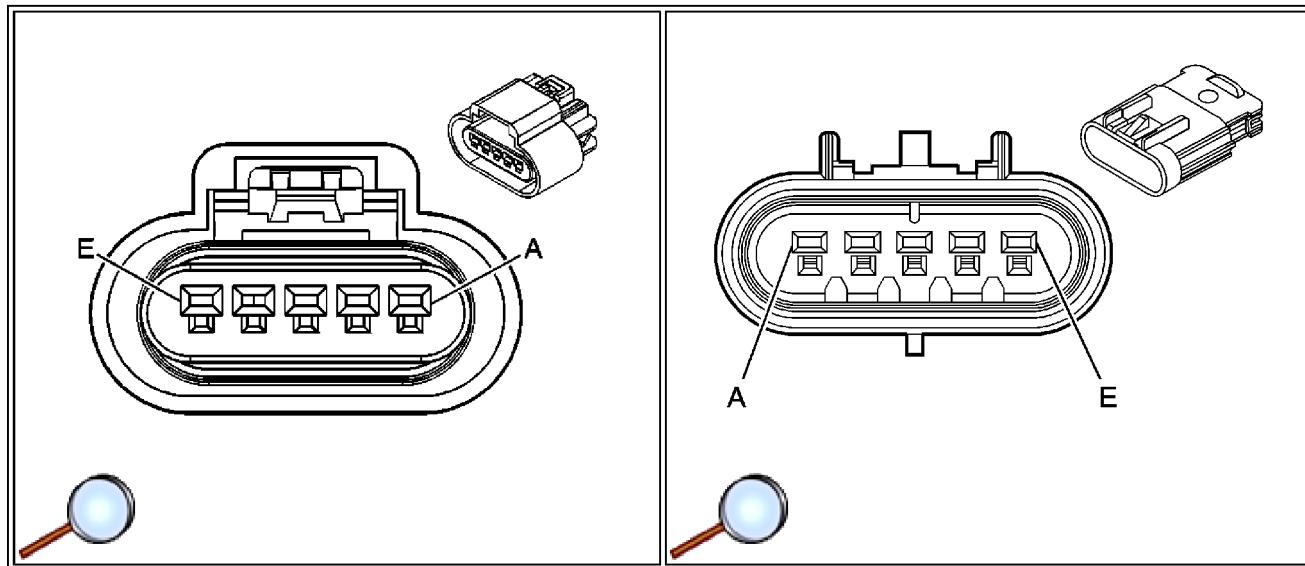
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X177 Engine Harness to Camshaft Position Sensor Jumper Harness (4.8L/5.3L)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.35 D-BU	6259	5-Volt Reference	A	0.35 D-BU	6259	5-Volt Reference
B	0.35 BN	6266	Low Reference	B	0.35 BN	6266	Low Reference
C	0.35 D-BU/WH	6265	Camshaft Position (CMP) Sensor Signal	C	0.35 D-BU/WH	6265	Camshaft Position (CMP) Sensor Signal

## X177 Engine Harness to Camshaft Position Sensor Jumper Harness (6.0L)



## Connector Part Information

- | OEM: 13519051
- | Service: 19151498
- | Description: 5-Way F GT 150 Series Sealed (BK)

## Terminal Part Information

- | Pins: A-E
- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: Pins: D-E : 2/A

## Connector Part Information

- | OEM: 15326827
- | Service: See Catalog
- | Description: 5-Way M GT 150 Series Sealed (BK)

## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal

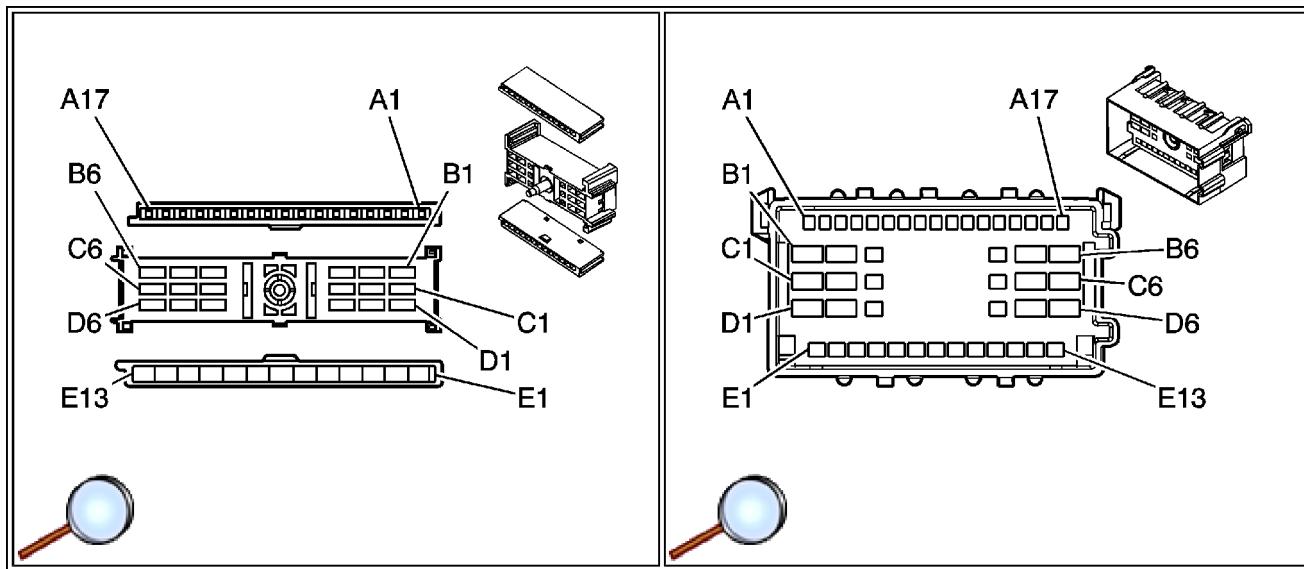
- | Core/Insulation Crimp: Pins: A-E : E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

- | Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## **X177 Engine Harness to Camshaft Position Sensor Jumper Harness (6.0L)**

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.35 D-BU	6259	5-Volt Reference	A	0.35 D-BU	6259	5-Volt Reference
B	0.35 BN	6266	Low Reference	B	0.35 BN	6266	Low Reference
C	0.35 D-BU/WH	6265	Camshaft Position (CMP) Sensor Signal	C	0.35 D-BU/WH	6265	Camshaft Position (CMP) Sensor Signal
D	0.8 PU	5284	Camshaft Phaser Intake Solenoid (1)	D	0.8 PU	5284	Camshaft Phaser Intake Solenoid (1)
E	0.8 TN	2199	Low Reference	E	0.8 TN	2199	Low Reference

## **X200 Steering Column Harness to Instrument Panel Harness**



### **Connector Part Information**

- | OEM: 12047842
- | Service: 12047842
- | Description: 17-Way F Metri-Pack 150 Series Unsealed (BK)
  
- | OEM: 12084183
- | Service: 12084183
- | Description: 18-Way F Metri-Pack 280 630 Series Unsealed (BK)

### **Connector Part Information**

- | OEM: 15492579
- | Service: 88988982
- | Description: 48-Way M Metri-Pack 280 Series (BK)

- | OEM: 12047840
- | Service: 12047840
- | Description: 13-Way F Metri-Pack 280 Series  
Unsealed (GY)

## Terminal Part Information

- | Pins: B3, C3, D3-D4, E1, E3-E4, E8-E13
- | Terminal/Tray: 12034046/2
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)
  
- | Pins: A1-A3, A5-A6, A7-A9, A11-A17, B2, B5, C2, C4-C5, D2, E2, E5-E7
- | Terminal/Tray: 12064971/5
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)
  
- | Pins: B1, B6, C1, C6, D1, D5-D6
- | Terminal/Tray: 12015869/3
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 12094430/J-35616-42 (RD)

## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

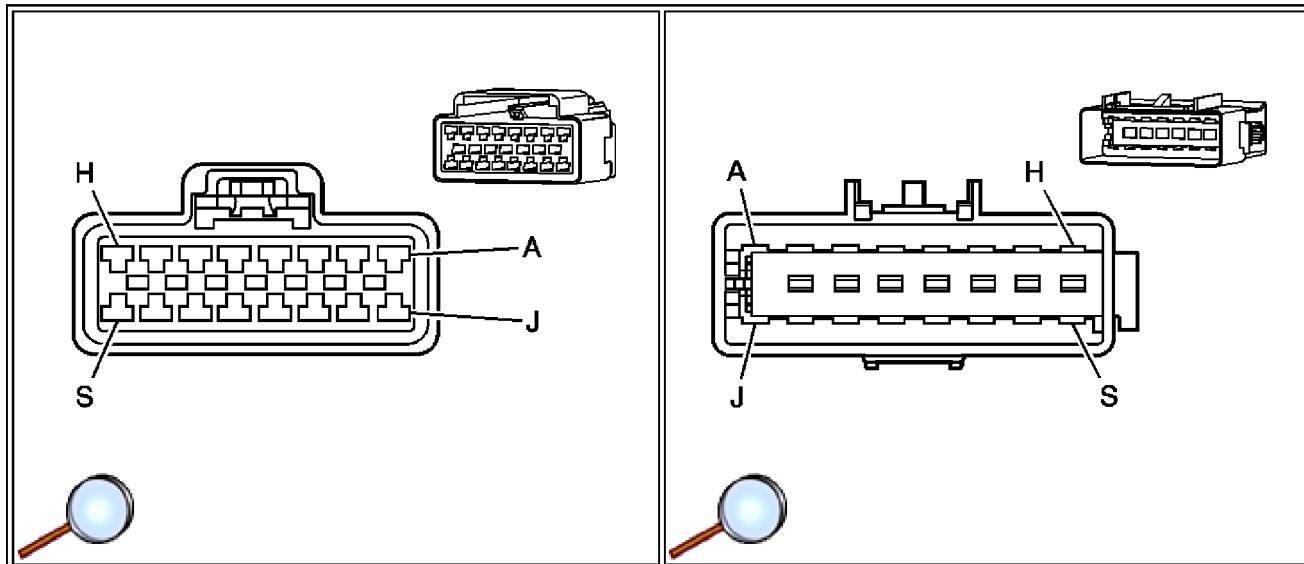
## X200 Steering Column Harness to Instrument Panel Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A1	0.35 TN	28	Horn Relay Control	A1	0.35 TN	28	Horn Relay Control
A2	--	--	Not Used	A2	--	--	Not Used
A3	0.35 PK	1444	12-Volt Reference (K34)	A3	0.35 PK	1444	12-Volt Reference (K34)
A4-A5	--	--	Not Used	A4-A5	--	--	Not Used
A6	0.35 PK	2239	Ignition Voltage	A6	0.35 PK	2239	Ignition Voltage
A7-A8	--	--	Not Used	A7-A8	--	--	Not Used
A9	0.35 PK	3	Ignition Voltage	A9	0.35 PK	3	Ignition Voltage
A10	--	--	Not Used	A10	--	--	Not Used
A11	0.35 L-GN	6818	Steering Wheel Control Signal (W1Y)	A11	0.35 L-GN	6818	Steering Wheel Control Signal (W1Y)
A12	0.35 YE	6046	Steering Angle Sensor Phase A (JL4)	A12	0.5 YE	6046	Steering Angle Sensor Phase A (JL4)
A13	0.35 D-GN/WH	7158	Cruise Control Indicator Dimming Signal (K34)	A13	0.35 D-GN/WH	7158	Cruise Control Indicator Dimming Signal (K34)
A14	0.35 D-BU	6047	Steering Angle Sensor Phase B (JL4)	A14	0.5 D-BU	6047	Steering Angle Sensor Phase B (JL4)
A15	0.35 BN	6136	Supply Voltage	A15	0.35 BN	6136	Supply Voltage

			(K34/W1Y)				(K34/W1Y)
A16	0.35 TN	6048	Steering Angle Sensor Phase C (JL4)	A16	0.5 TN	6048	Steering Angle Sensor Phase C (JL4)
A17	0.35 GY	1884	Cruise Control Switch Signal (K34)	A17	0.35 GY	1884	Cruise Control Switch Signal (K34)
B1	0.35 RD/WH	540	Battery Positive Voltage	B1	0.35 RD/WH	540	Battery Positive Voltage
B2	--	--	Not Used	B2	--	--	Not Used
B3	0.35 WH	111	Theft Deterrent Alarm Enable Signal	B3	0.35 WH	111	Theft Deterrent Alarm Enable Signal
B4-B5	--	--	Not Used	B4-B5	--	--	Not Used
B6	0.35 PK	1020	Ignition Voltage	B6	0.35 PK	1020	Ignition Voltage
C1	0.35 WH	530	Ignition Voltage	C1	0.35 WH	530	Ignition Voltage
C2	--	--	Not Used	C2	--	--	Not Used
C3	0.35 YE	307	Headlamp Switch Flash to Pass Signal	C3	0.35 YE	307	Headlamp Switch Flash to Pass Signal
C4-C5	--	--	Not Used	C4-C5	--	--	Not Used
C6	0.35 BN	4	Ignition Voltage	C6	0.35 BN	4	Ignition Voltage
D1	0.35 TN/BK	6009	Low Reference	D1	0.35 TN/BK	6009	Low Reference
D2	--	--	Not Used	D2	--	--	Not Used
D3	0.35 YE	525	Headlamp Dimmer Switch Low Beam Signal	D3	0.35 YE	525	Headlamp Dimmer Switch Low Beam Signal
D4	0.5 TN/WH	816	A/T Shift Lock Solenoid Control	D4	0.5 TN/WH	816	A/T Shift Lock Solenoid Control
D5	0.35 L-GN	6043	Steering Angle Sensor Signal (JL4)	D5	0.5 L-GN	6043	Steering Angle Sensor Signal (JL4)
D6	0.35 PK	94	Windshield Washer Switch Signal	D6	0.35 PK	94	Windshield Washer Switch Signal
E1	0.5 BK	350	Ground	E1	0.5 BK	350	Ground
E2	--	--	Not Used	E2	--	--	Not Used
E3	0.5 BK/WH	351	Ground	E3	0.5 BK/WH	351	Ground
E4	0.35 OG/BK	6045	Low Reference (JL4)	E4	0.5 OG/BK	6045	Low Reference (JL4)
E5-E7	--	--	Not Used	E5-E7	--	--	Not Used
E8	0.35 D-GN	663	Hazard Switch Left Turn Signal	E8	0.35 D-GN	663	Hazard Switch Left Turn Signal
E9	0.35 TN	664	Hazard Switch Turn Right Signal	E9	0.35 TN	664	Hazard Switch Turn Right Signal
E10	0.35 GY	6044	5-Volt Reference (JL4)	E10	0.5 GY	6044	5-Volt Reference (JL4)

E11	0.35 L-BU	1714	Windshield Wiper Switch Low Signal	E11	0.35 L-BU	1714	Windshield Wiper Switch Low Signal
E12	0.35 L-GN	1715	Windshield Wiper Switch High Signal	E12	0.35 L-GN	1715	Windshield Wiper Switch High Signal
E13	0.35 D-GN	5060	Low Speed GMLAN Serial Data	E13	0.35 D-GN	5060	Low Speed GMLAN Serial Data

## X205 Front Headliner Harness to Body Harness



### Connector Part Information

- | OEM: 15326952
- | Service: 15306426
- | Description: 16-Way F GT 280 Series (BK)

### Terminal Part Information

- | Terminal/Tray: 15304711/8
- | Core/Insulation Crimp: Pins: G, S : 2/A
- | Core/Insulation Crimp: Pins: E/A
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

### Connector Part Information

- | OEM: 13573920
- | Service: See Catalog
- | Description: 16-Way M GT 280 Series (BK)

### Terminal Part Information

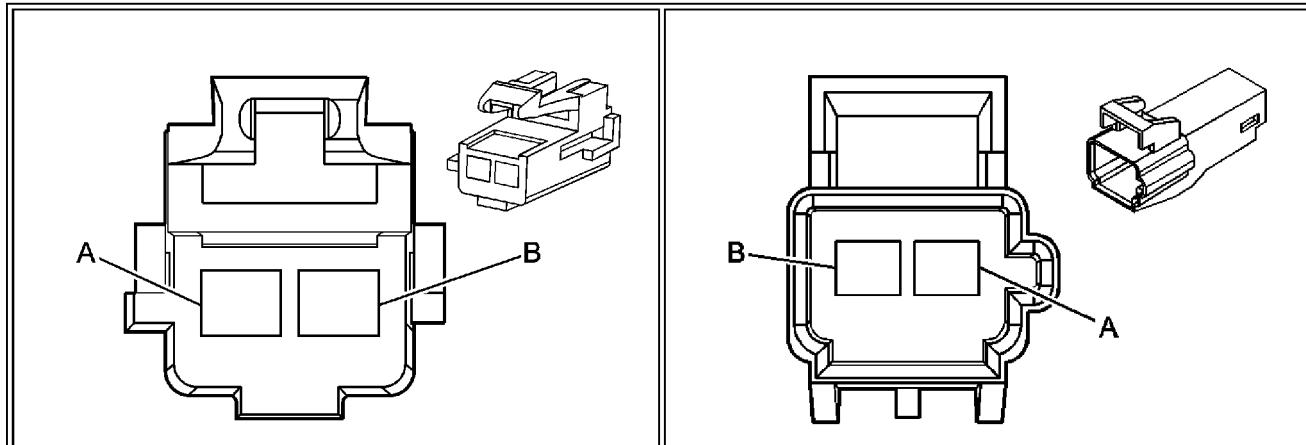
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

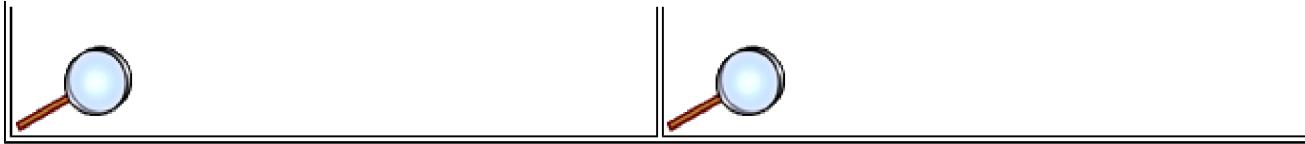
## X205 Front Headliner Harness to Body Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.35 BN	441	Ignition Voltage (U80)	A	0.35 BN	441	Ignition Voltage (U80)
B	0.5 PU/WH	5264	Rear Auxiliary Mode Door Control (C69)	B	0.5 PU/WH	5264	Rear Auxiliary Mode Door Control (C69)
C	0.5 PK/BK	5265	Rear Auxiliary Blower Motor Switch Control (C69)	C	0.5 PK/BK	5265	Rear Auxiliary Blower Motor Switch Control (C69)

D	0.35 GY	2599	Auxiliary Mode Door Control (C69)	D	0.35 GY	2599	Auxiliary Mode Door Control (C69)
E	0.5 WH	1924	Auxiliary Blower Motor High Control (C69)	E	0.35 WH	1924	Auxiliary Blower Motor High Control (C69)
F	0.35 BN	341	Ignition Voltage (C69)	F	0.35 BN	341	Ignition Voltage (C69)
G	1 BK	1850	Ground (C69/DH6)	G	1 BK	1850	Ground
	0.8 BK	1850	Ground (without C69/DH6/YF1)				
H	0.5 D-BU/WH	149	Courtesy Lamp Control (without YF7)	H	0.5 D-BU/WH	149	Courtesy Lamp Control (without YF7)
J	0.35 BK/WH	351	Ground (U80)	J	0.35 BK/WH	351	Ground (U80)
K	0.5 BN	5263	Rear Auxiliary Air Temperature Door Control (C69)	K	0.5 BN	5263	Rear Auxiliary Air Temperature Door Control (C69)
L	0.35 D-GN	6134	Local Interconnect Network 3 (U80)	L	0.35 D-GN	6134	Local Interconnect Network 3 (U80)
M	0.35 OG	2775	Auxiliary Air Temperature Door Control (C69)	M	0.35 OG	2775	Auxiliary Air Temperature Door Control (C69)
N	0.5 OG	1925	Auxiliary Blower Motor Medium Control (C69)	N	0.35 OG	1925	Auxiliary Blower Motor Medium Control (C69)
P	0.5 D-BU	1926	Auxiliary Blower Motor Low Control (C69)	P	0.35 D-BU	1926	Auxiliary Blower Motor Low Control (C69)
R	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control (C69)	R	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control (C69)
S	0.8 OG	1732	Courtesy Lamp Control (without YF7)	S	0.8 OG	1732	Courtesy Lamp Control
	0.5 OG	1732	Courtesy Lamp Control (YF7/DH6)				

## X220 Instrument Panel Harness to Park Brake Jumper Harness





## Connector Part Information

- | OEM: 12129082
- | Service: 12129082
- | Description: 2-Way F Metri-Pack 280 Series Flexlock (GY)

## Terminal Part Information

- | Terminal/Tray: 12110844/4
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## Connector Part Information

- | OEM: 12129156
- | Service: 12129156
- | Description: 2-Way M Metri-Pack 280 Series (GY)

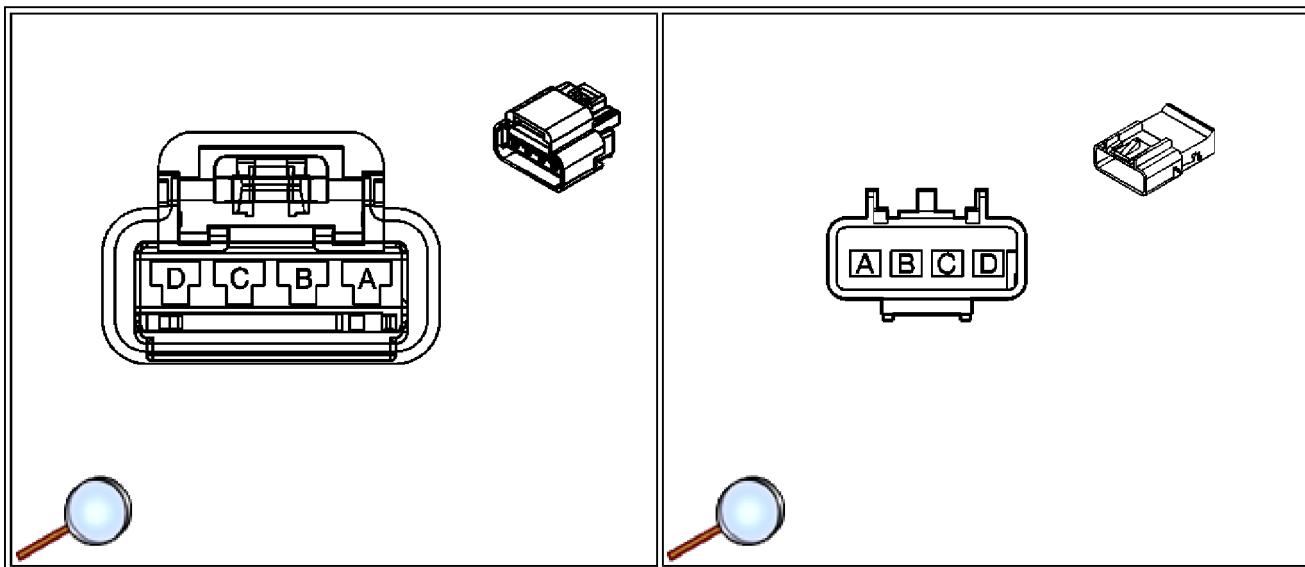
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X220 Instrument Panel Harness to Park Brake Jumper Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.35 L-BU	1134	Park Brake Switch Signal	A	0.5 L-BU	1134	Park Brake Switch Signal
B	--	--	Not Used	B	--	--	Not Used

## X221 Stop Lamp Switch Jumper to Instrument Panel Harness



## Connector Part Information

## Connector Part Information

- | OEM: 15326886
- | Service: 88988300
- | Description: 4-Way F GT 280 Series (BK)

## Terminal Part Information

- | Terminal/Tray: 15304711/8
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

- | OEM: 15326890
- | Service: 15326890
- | Description: 4-Way M GT 280 Series (BK)

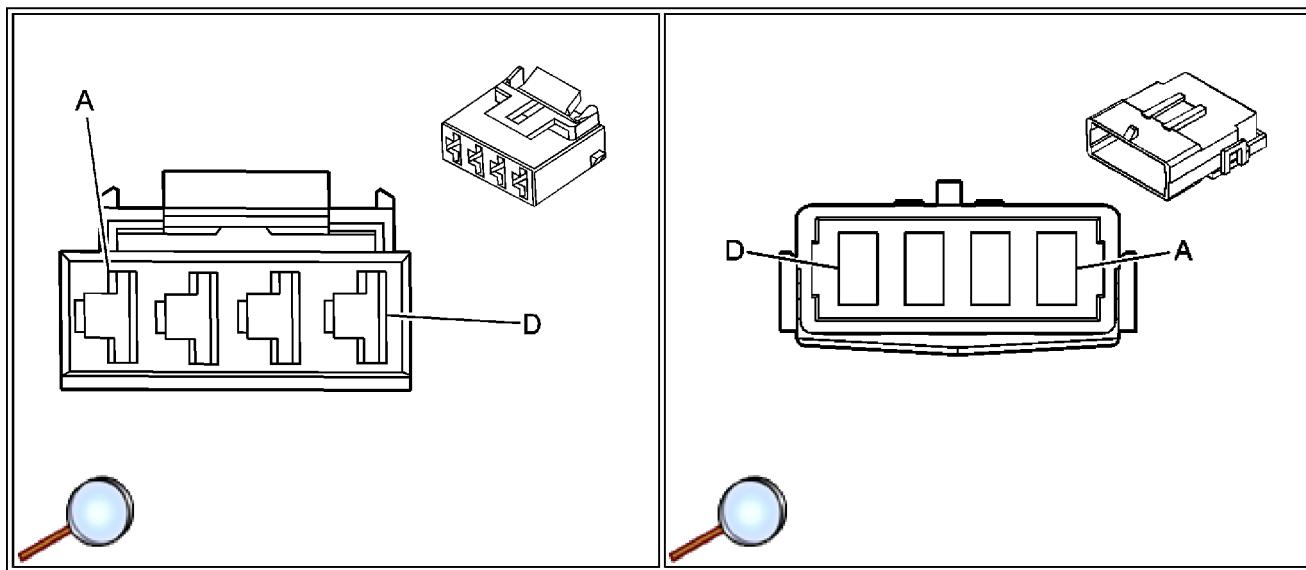
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X221 Stop Lamp Switch Jumper to Instrument Panel Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.35 L-BU/WH	6311	Torque Converter Clutch (TCC) Brake Signal	A	0.35 L-BU/WH	6311	Torque Converter Clutch (TCC) Brake Signal
B	0.35 PK	239	Ignition Voltage	B	0.35 PK	239	Ignition Voltage
C	0.35 OG/WH	812	12-Volt Reference	C	0.35 OG/WH	812	12-Volt Reference
D	0.35 PU	7062	Brake Switch Signal	D	0.35 PU	7062	Brake Switch Signal

## X222 Upfitter Provision Harness to Instrument Panel Harness (YF2/YF7)



## Connector Part Information

## Connector Part Information

- | OEM: 12015664
- | Service: 12015664
- | Description: 4-Way F Metri-Pack 630 Series (BK)

- | OEM: 12052623
- | Service: 15306008
- | Description: 4-Way M Metri-Pack 630 Series (BK)

## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

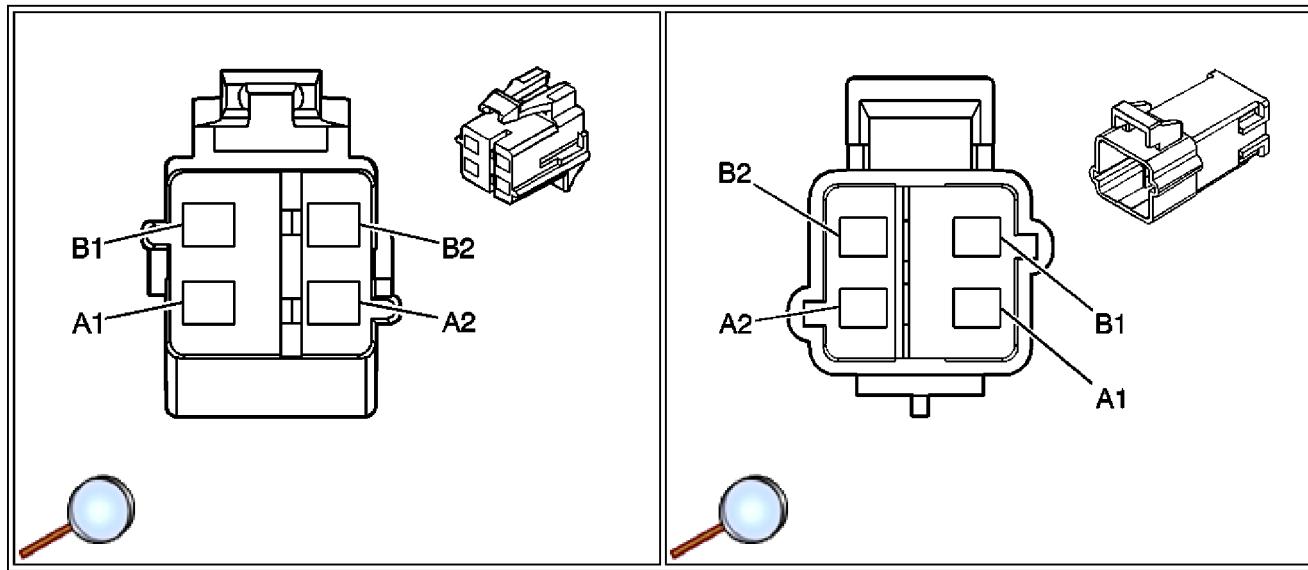
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X222 Upfitter Provision Harness to Instrument Panel Harness (YF2/YF7)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	--	1042	Battery Positive Voltage	A	5 RD/BK	1042	Battery Positive Voltage
B	--	541	Ignition Voltage	B	5 BN	541	Ignition Voltage
C	--	350	Ground	C	5 BK	350	Ground
D	--	--	Not Used	D	--	--	Not Used

## X276 Steering Wheel Harness to Instrument Panel Harness



## Connector Part Information

- | OEM: 15336479
- | Service: See Catalog
- | Description: 4-Way F Metri-Pack 280 Series (YE)

## Connector Part Information

- | OEM: 15336476
- | Service: See Catalog
- | Description: 4-Way M Metri-Pack 280 Series (YE)

**Terminal Part Information**

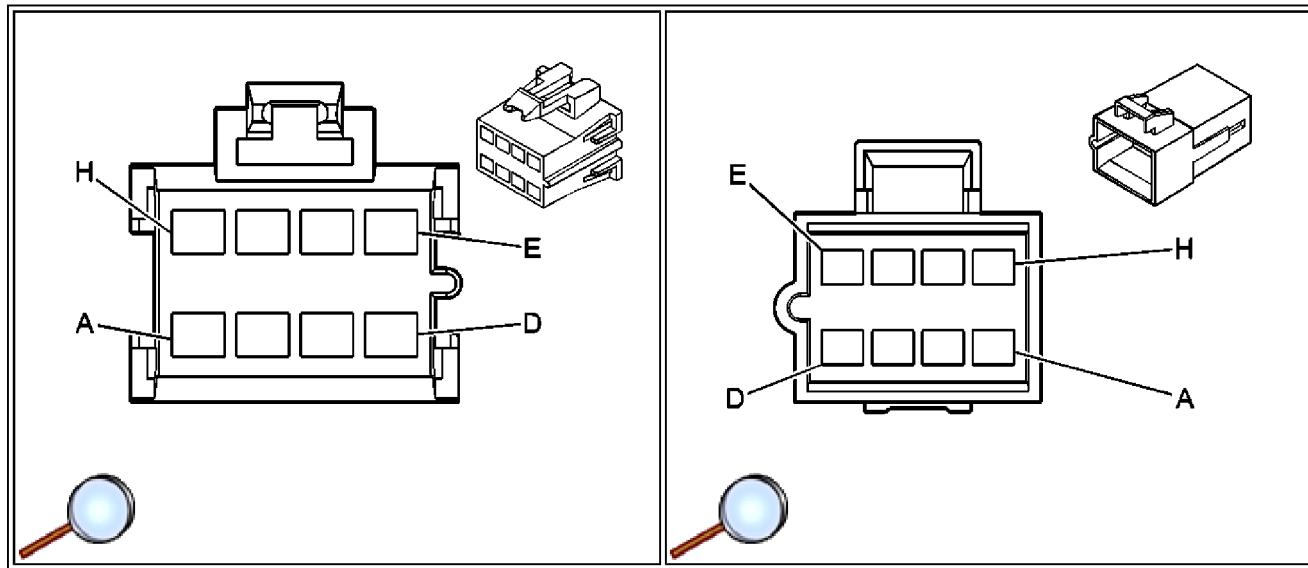
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

**Terminal Part Information**

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

**X276 Steering Wheel Harness to Instrument Panel Harness**

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A1	0.5 TN	3021	Steering Wheel Module - Stage 1 - High Control	A1	0.5 TN	3021	Steering Wheel Module - Stage 1 - High Control
A2	0.5 BN	3020	Steering Wheel Module - Stage 1 - Low Control	A2	0.5 BN	3020	Steering Wheel Module - Stage 1 - Low Control
B1	0.5 WH	3023	Steering Wheel Module - Stage 2 - High Control (Light Duty)	B1	0.5 WH	3023	Steering Wheel Module - Stage 2 - High Control (Light Duty)
B2	0.5 PK	3022	Steering Wheel Module - Stage 2 - Low Control (Light Duty)	B2	0.5 PK	3022	Steering Wheel Module - Stage 2 - Low Control (Light Duty)

**X278 Instrument Panel Harness to Professional Harness (PRP)****Connector Part Information**

- | OEM: 12064998
- | Service: See Catalog
- | Description: 8-Way F Metri-Pack 280 Series (BK)

**Connector Part Information**

- | OEM: 12066195
- | Service: See Catalog
- | Description: 8-Way M Metri-Pack 280 Series (BK)

**Terminal Part Information****Terminal Part Information**

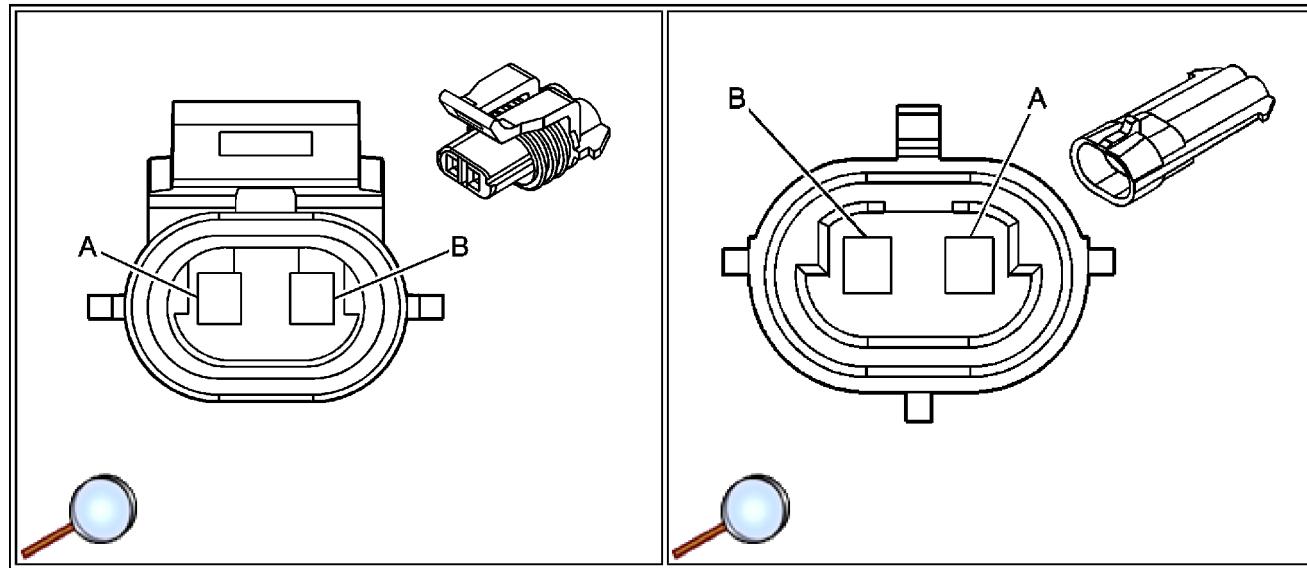
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## **X278 Instrument Panel Harness to Professional Harness (PRP)**

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.5 L-BU	244	Front Passenger Door Lock Switch Lock Signal	A	0.5 L-BU	244	Front Passenger Door Lock Switch Lock Signal
B	0.5 L-BU	1344	Liftgate Release Relay Control	B	0.5 L-BU	1344	Liftgate Release Relay Control
C	0.5 L-GN	1391	Door Lock Relay Control	C	0.5 L-GN	1391	Door Lock Relay Control
D-F	--	--	Not Used	D-F	--	--	Not Used
G	0.8 OG	1732	Inadvertent Power Courtesy Lamp Control	G	0.8 OG	1732	Inadvertent Power Courtesy Lamp Control
H	0.5 YE	5810	Park Enable Signal	H	0.5 YE	5810	Park Enable Signal

## **X305 Chassis Harness to Fuel Pump Jumper Harness (K08)**



### **Connector Part Information**

- | OEM: 12052644
- | Service: See Catalog
- | Description: 2-Way F Metri-Pack 150 Series Sealed (GY)

### **Connector Part Information**

- | OEM: 12162343
- | Service: 12162343
- | Description: 2-Way M Metri-Pack 150 (GY)

## Terminal Part Information

- | Terminal/Tray: 12160223/3
- | Core/Insulation Crimp: E/1
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)

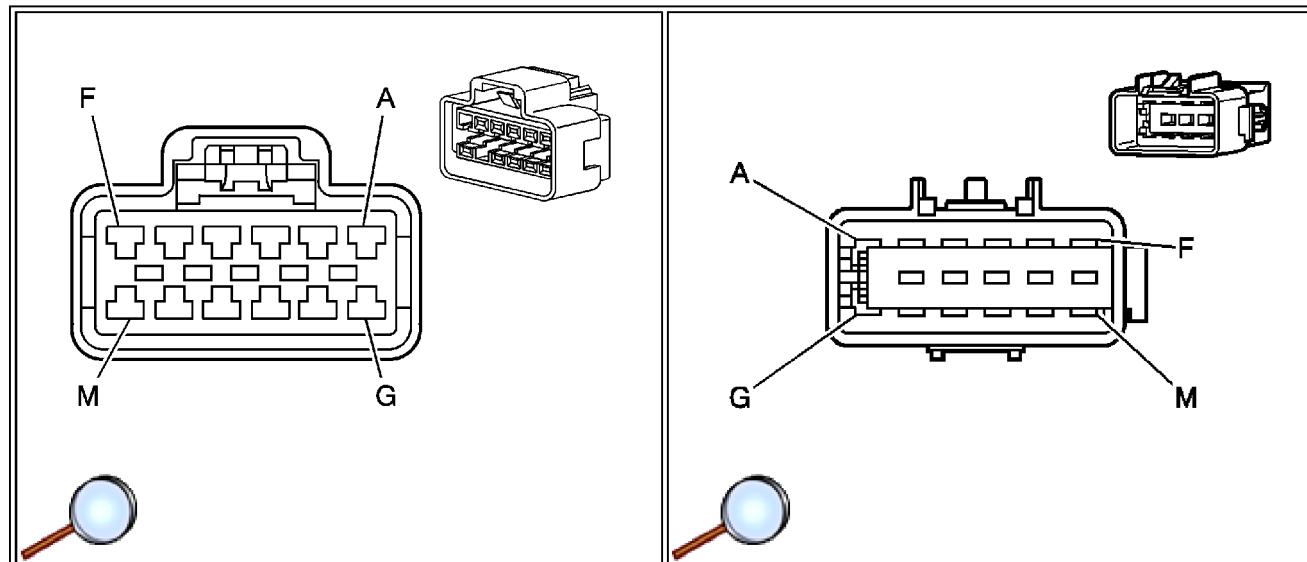
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X305 Chassis Harness to Fuel Pump Jumper Harness (K08)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.8 D-BU/L-GN	7077	Coolant Heater - Fuel Pump Control	A	0.8 D-BU/L-GN	7077	Coolant Heater - Fuel Pump Control
B	0.8 BK	150	Ground	B	0.8 BK	150	Ground

## X306 Body Harness to Passenger Seat Harness



## Connector Part Information

- | OEM: 15326110
- | Service: 15306171
- | Description: 12-Way F GT 280 Series (BK)

## Connector Part Information

- | OEM: 15326942
- | Service: 15326942
- | Description: 12-Way M GT 280 Series (BK)

## Terminal Part Information

- | Pins: A-F
- | Terminal/Tray: 15304711/8
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)
- | Pins: G-H

## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal

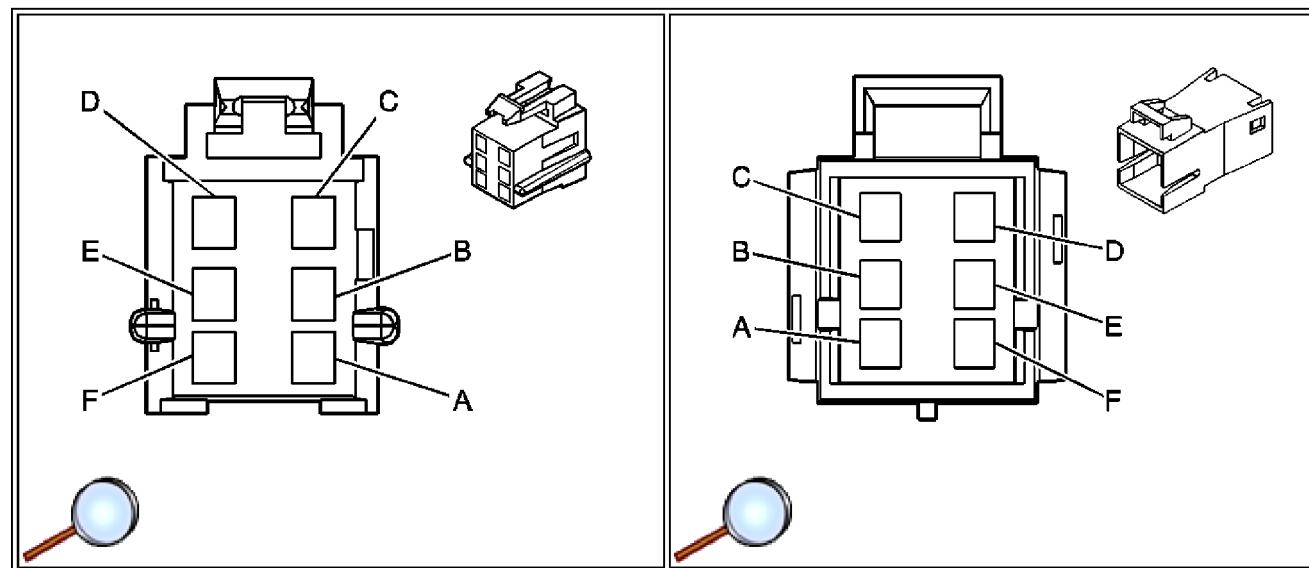
- | Terminal/Tray: 15304713/19
- | Core/Insulation Crimp: F/D
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

Repair Kit

## X306 Body Harness to Passenger Seat Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.5 RD/WH	3440	Battery Positive Voltage (Light Duty without YF7)	A	0.5 RD/WH	3440	Battery Positive Voltage (Light Duty without YF7)
B	0.5 BK/WH	1751	Ground (Light Duty without YF7)	B	0.5 BK/WH	1751	Ground (Light Duty without YF7)
C	0.5 OG	1362	Seat Belt Switch - Right - Signal (Light Duty)	C	0.5 OG	1362	Seat Belt Switch - Right - Signal (Light Duty)
D	0.5 PK	5057	Low Reference (Light Duty)	D	0.5 PK	5057	Low Reference (Light Duty)
E	0.5 L-BU	5056	Seat Position Sensor - Right - Signal (Light Duty)	E	0.5 L-BU	5056	Seat Position Sensor - Right - Signal (Light Duty)
F	0.5 D-GN	5060	Low Speed GMLAN Serial Data (Light Duty without YF7)	F	0.5 D-GN	5060	Low Speed GMLAN Serial Data (Light Duty without YF7)
G	3 RD/WH	3540	Battery Positive Voltage	G	3 RD/WH	3540	Battery Positive Voltage (AG2)
H	3 BK	1850	Ground	H	3 BK	1850	Ground (AG2)
J-M	--	--	Not Used	J-M	--	--	Not Used

## X307 Body Harness to Driver Seat Harness



## Connector Part Information

- | OEM: 12064752
- | Service: 12064752
- | Description: 6-Way F Metri-Pack 280 Series (BK)

- | OEM: 12064754
- | Service: 15305872
- | Description: 6-Way M Metri-Pack 280 Series Self Lock (BK)

## Terminal Part Information

- | Pins: A-C
- | Terminal/Tray: 12034046/2
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)
  
- | Pins: D-E
- | Terminal/Tray: 12015858/4
- | Core/Insulation Crimp: F/G
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)

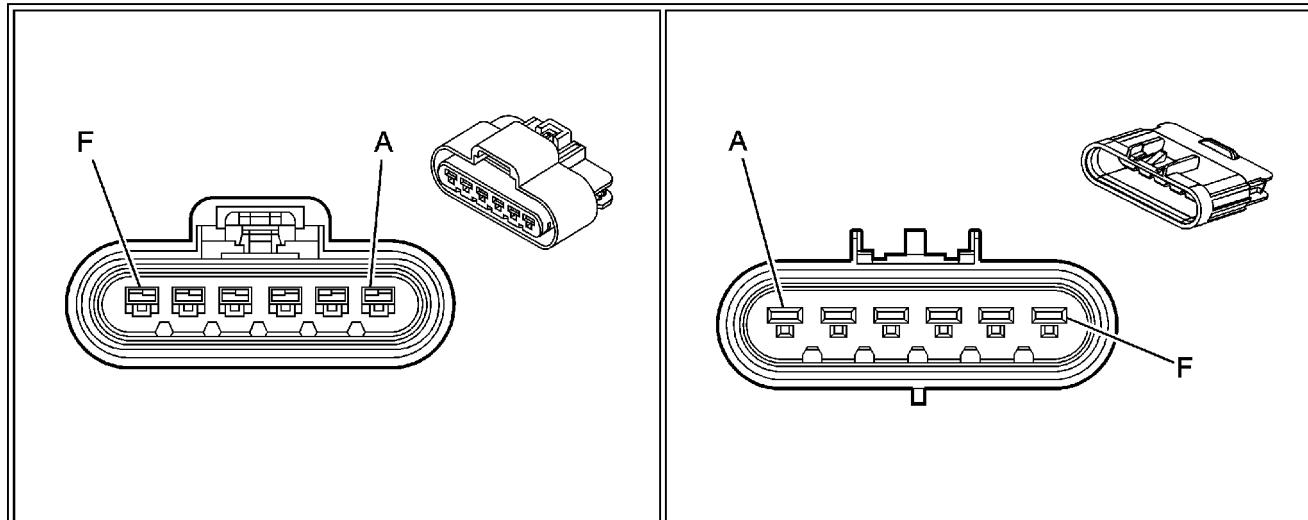
## Terminal Part Information

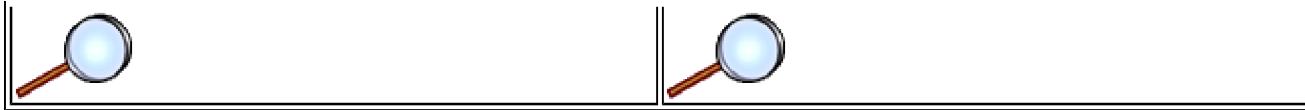
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X307 Body Harness to Driver Seat Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.5 L-GN	5055	Seat Position Sensor - Left - Signal (Light Duty)	A	0.5 L-GN	5055	Seat Position Sensor - Left - Signal (Light Duty)
B	0.5 PK	5057	Low Reference	B	0.5 PK	5057	Low Reference
C	0.5 TN/WH	238	Seat Belt Switch - Left	C	0.5 TN/WH	238	Seat Belt Switch - Left
D	3 BK	450	Ground (AG1)	D	3 BK	450	Ground (AG1)
E	3 RD/WH	3540	Battery Positive Voltage (AG1)	E	3 RD/WH	3540	Battery Positive Voltage (AG1)
F	--	--	Not Used	F	--	--	Not Used

## X316 Transmission Jumper Harness to Fuel Pump Harness (6.6L)





## Connector Part Information

- | OEM: 13521467
- | Service: See Catalog
- | Description: 6-Way F GT 280 Series Sealed (BK)

## Terminal Part Information

- | Terminal/Tray: 15304719/19
- | Core/Insulation Crimp: Pins: C-F : 2/5
- | Core/Insulation Crimp: Pins: A-B : E/5
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## Connector Part Information

- | OEM: 15326640
- | Service: 88953150
- | Description: 6-Way M GT 280 Series Sealed (BK)

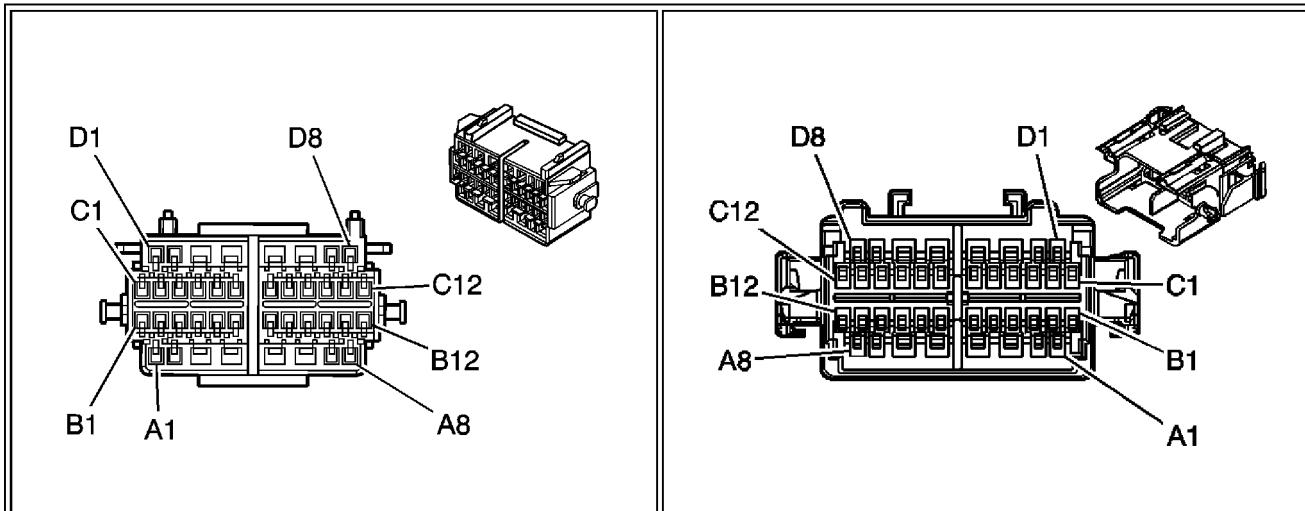
## Terminal Part Information

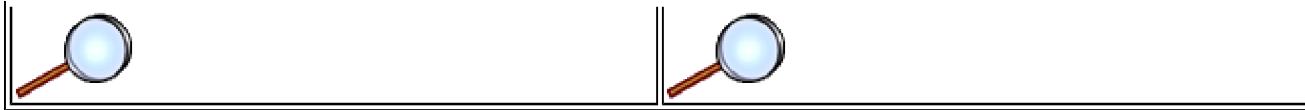
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X316 Transmission Jumper Harness to Fuel Pump Harness (6.6L)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.5 YE/BK	508	Water In Fuel Indicator Control	A	0.5 YE/BK	508	Water In Fuel Indicator Control
B	0.5 D-BU	6863	Low Reference	B	0.5 D-BU	6863	Low Reference
C	1 BK	150	Ground	C	1 BK	150	Ground
D	0.8 PK	2239	Ignition Voltage	D	0.8 PK	2239	Ignition Voltage
E	1 BK	150	Ground	E	1 BK	150	Ground
F	0.8 GY	120	Fuel Pump Control	F	0.8 GY	120	Fuel Pump Control

## X318 Instrument Panel Harness to Body Harness (Passenger/Cargo)





## Connector Part Information

- | OEM: 15448130
- | Service: See Catalog
- | Description: 40-Way F GT 150 280 Series (L-GY)

## Connector Part Information

- | OEM: 15475870
- | Service: 88988616
- | Description: 40-Way M GT 150 280 Series (L-GY)

## Terminal Part Information

- | Pins: A1-A2, A7-A8, B1-B4, B6-B11, C2-C4, C6-C12, D1-D2, D7-D8
- | Terminal/Tray: 12191812/19
- | Core/Insulation Crimp: Pins: A1-A2, B1, B3-B4, C3-C4, D1-D2 : C/A
- | Core/Insulation Crimp: Pins: A7-A8, B2, B6-B11, C2, C6-C12, D7-D8 : E/C
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)
  
- | Pins: A4-A6, D3-D6
- | Terminal/Tray: 15304711/8
- | Core/Insulation Crimp: Pins: D3 : 2/A
- | Core/Insulation Crimp: Pins: A4-A6, D4-D6: E/A
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

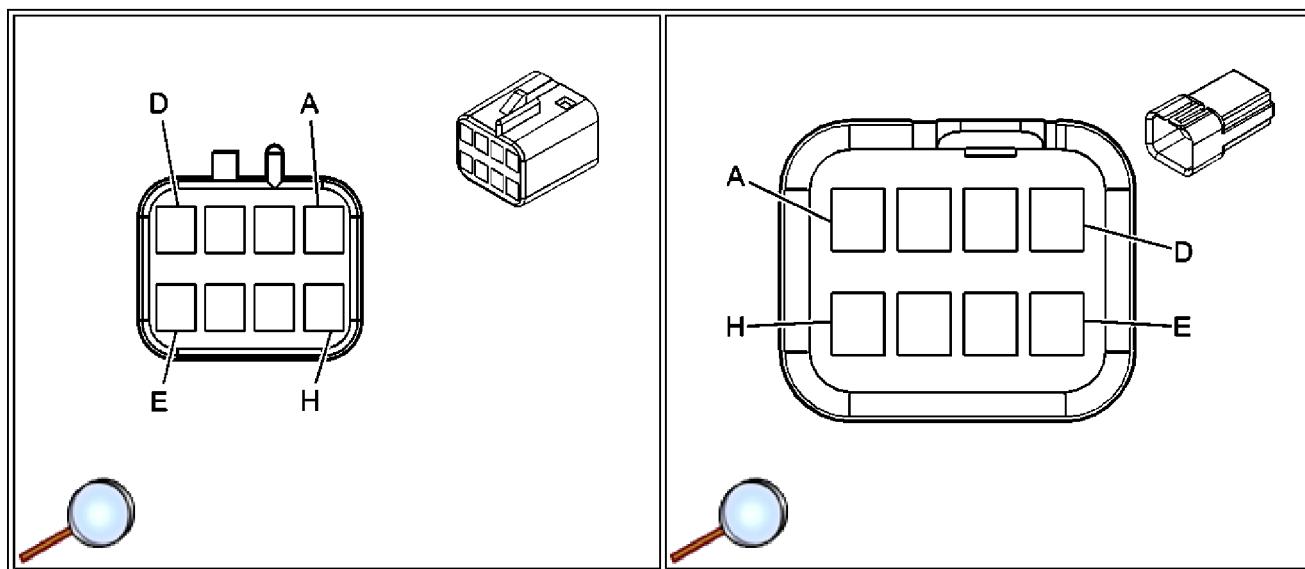
## X318 Instrument Panel Harness to Body Harness (Passenger/Cargo)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A1	0.8 OG	1853	Right Front Midrange Speaker Output (+)	A1	0.8 OG	1853	Right Front Midrange Speaker Output (+)
A2	0.8 D-GN	1953	Right Front Midrange Speaker Output (-)	A2	0.8 D-GN	1953	Right Front Midrange Speaker Output (-)
A3	0.5 BK//WH	1751	Ground	A3	0.5 BK//WH	1751	Ground
A4	0.5 TN/BK	371	Instrument Panel Module Disable Switch - Signal (C99)	A4	0.5 TN/BK	371	Instrument Panel Module Disable Switch - Signal (C99)
A5	0.5 WH/BK	6436	CAN Bus Low Terminated Serial Data (JL4)	A5	0.5 WH/BK	6436	CAN Bus Low Terminated Serial Data (JL4)
A6	0.5 BN/WH	6437	CAN Bus High Terminated Serial Data (JL4)	A6	0.5 BN/WH	6437	CAN Bus High Terminated Serial Data (JL4)

A7	0.35 D-BU/WH	1179	Left Rear Door Open Switch Signal (E26)	A7	0.35 D-BU/WH	1179	Left Rear Door Open Switch Signal (E26)
A8	0.35 YE/BK	1181	Right Rear Door Open Switch Signal	A8	0.35 YE/BK	1181	Right Rear Door Open Switch Signal
B1	0.8 L-BU	1320	Center High Mounted Stop Lamp (CHMSL) Control	B1	0.8 L-BU	1320	Center High Mounted Stop Lamp (CHMSL) Control
B2	0.5 BK/WH	1751	Ground (Light Duty)	B2	0.5 BK/WH	1751	Ground (Light Duty)
B3	0.8 TN	1855	Right Rear Midrange Speaker Output (+)	B3	1 TN	1855	Right Rear Midrange Speaker Output (+)
B4	0.8 OG	1955	Right Rear Midrange Speaker Output (-)	B4	1 OG	1955	Right Rear Midrange Speaker Output (-)
B5	0.5 BK/WH	1751	Ground	B5	0.5 BK/WH	1751	Ground
B6	0.5 GY/BK	1337	5-Volt Reference (JL4)	B6	0.5 GY/BK	1337	5-Volt Reference (JL4)
B7	0.5 BN/WH	6618	Discriminating Sensor - Signal	B7	0.5 BN/WH	6618	Discriminating Sensor - Signal
B8	0.5 D-BU/WH	6619	Low Reference	B8	0.5 D-BU/WH	6619	Low Reference
B9	0.35 D-GN	5060	Low Speed GMLAN Serial Data (Light Duty without YF7)	B9	0.5 D-GN	5060	Low Speed GMLAN Serial Data (Light Duty without YF7)
B10	0.35 D-GN	5060	Low Speed GMLAN Serial Data	B10	0.35 D-GN	5060	Low Speed GMLAN Serial Data
B11	0.35 D-GN	6134	Local Interconnect Network 3	B11	0.35 D-GN	6134	Local Interconnect Network 3
B12	--	--	Not Used	B12	--	--	Not Used
C1	--	--	Not Used	C1	--	--	Not Used
C2	0.35 PK	1139	Ignition Voltage	C2	0.35 PK	1139	Ignition Voltage
C3	0.8 TN	1859	Left Rear Midrange Speaker Output (+)	C3	1 TN	1859	Left Rear Midrange Speaker Output (+)
C4	0.8 WH	1959	Left Rear Midrange Speaker Output (-)	C4	1 WH	1959	Left Rear Midrange Speaker Output (-)
C5	--	--	Not Used	C5	--	--	Not Used
C6	0.5 BK/PU	7499	Low Reference (JL4)	C6	0.5 BK/PU	7499	Low Reference (JL4)
C7	0.35 L-GN	5926	Rear Access Open Switch Signal	C7	0.35 L-GN	5926	Rear Access Open Switch Signal
C8	0.35 PK/BK	1303	Cargo Door Ajar Switch Signal	C8	0.35 PK/BK	1303	Cargo Door Ajar Switch Signal
C9	0.35 TN/WH	746	Right Front Door Ajar Switch Signal	C9	0.35 TN/WH	746	Right Front Door Ajar Switch Signal
C10	0.35 L-GN	1177	Right Front Door Open Switch Signal	C10	0.35 L-GN	1177	Right Front Door Open Switch Signal

C11	0.5 TN	126	Left Front Door Open Switch Signal	C11	0.35 TN	126	Left Front Door Open Switch Signal
C12	0.35 GY/BK	745	Left Front Door Ajar Switch Signal	C12	0.35 GY/BK	745	Left Front Door Ajar Switch Signal
D1	0.8 D-BU	1857	Left Front Midrange Speaker Output (+)	D1	0.8 D-BU	1857	Left Front Midrange Speaker Output (+)
D2	0.8 L-BU	1957	Left Front Midrange Speaker Output (-)	D2	0.8 L-BU	1957	Left Front Midrange Speaker Output (-)
D3	0.8 OG	1732	Courtesy Lamp Control	D3	0.8 OG	1732	Courtesy Lamp Control
	0.5 OG	1732	Courtesy Lamp Control				
D4	0.5 PK	353	Instrument Panel Module Suppression Indicator Control (C99)	D4	0.5 PK	353	Instrument Panel Module Suppression Indicator Control (C99)
D5	0.5 PK/BK	780	Driver Door Lock Switch Lock Signal (AU3)	D5	0.35 PK/BK	780	Driver Door Lock Switch Lock Signal (AU3)
D6	0.5 OG/BK	781	Driver Door Lock Switch Unlock Signal (AU3)	D6	0.35 OG/BK	781	Driver Door Lock Switch Unlock Signal (AU3)
D7	0.35 L-BU	244	Passenger Door Lock Switch Lock Control (AU3)	D7	0.35 L-BU	244	Passenger Door Lock Switch Lock Control (AU3)
D8	0.35 D-BU	245	Passenger Door Lock Switch Unlock Control (AU3)	D8	0.35 D-BU	245	Passenger Door Lock Switch Unlock Control (AU3)

## X319 Rear Heater Switch Harness to Body Harness (C36/ENC)



Connector Part Information

Connector Part Information

- | OEM: 12047886
- | Service: 12101822
- | Description: 8-Way F Metri-Pack 150 Series (BK)

- | OEM: 12045688
- | Service: 12101827
- | Description: 8-Way M Metri-Pack 150 Series (BK)

## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

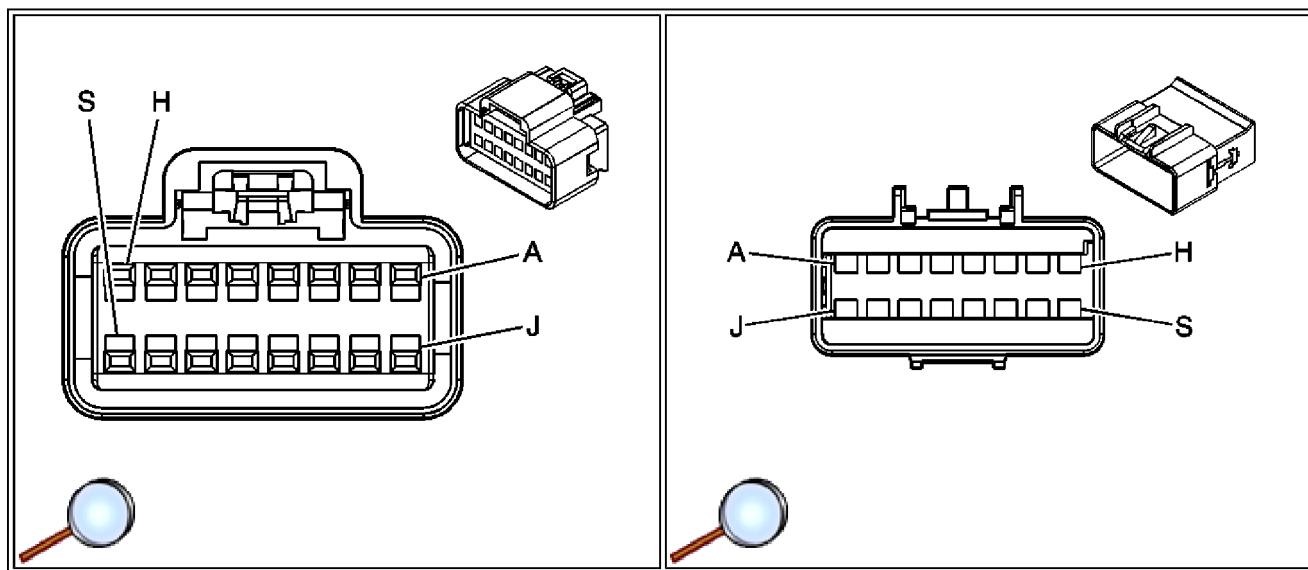
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X319 Rear Heater Switch Harness to Body Harness (C36/ENC)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.35 WH	1924	Auxiliary Blower Motor High Control	A	0.35 WH	1924	Auxiliary Blower Motor High Control
B	0.35 OG	1925	Auxiliary Blower Motor Medium Control	B	0.35 OG	1925	Auxiliary Blower Motor Medium Control
C	0.35 D-BU	1926	Auxiliary Blower Motor Low Control	C	0.35 D-BU	1926	Auxiliary Blower Motor Low Control
D	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control	D	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control
E	0.35 BK	450	Ground	E	0.35 BK	450	Ground
F-H	--	--	Not Used	F-H	--	--	Not Used

## X320 Upfitter Harness to Body Harness (YF2/YF7)



## Connector Part Information

## Connector Part Information

- | OEM: 15332177
- | Service: 15332177
- | Description: 16-Way M GT 150 Series (BK)

- | OEM: 15332182
- | Service: 15332182
- | Description: 16-Way M GT 150 Series (BK)

## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

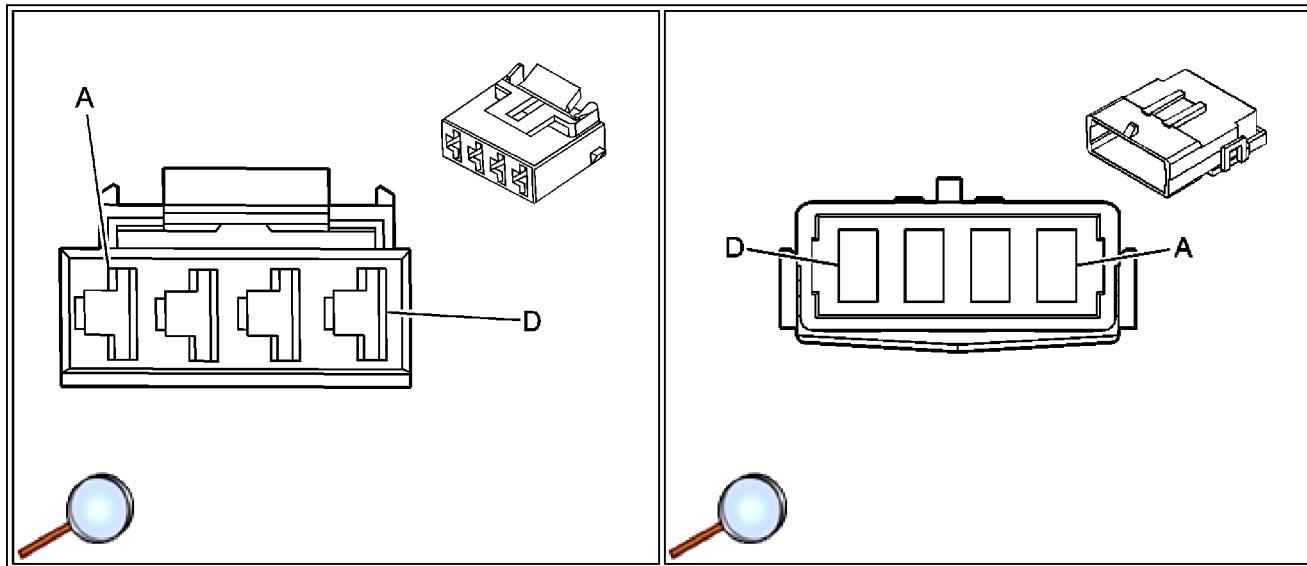
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X320 Upfitter Harness to Body Harness (YF2/YF7)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	--	1959	Left Rear Midrange Speaker Output (-)	A	1 WH	1959	Left Rear Midrange Speaker Output (-)
B	--	1859	Left Rear Midrange Speaker Output (+)	B	1 TN	1859	Left Rear Midrange Speaker Output (+)
C	--	1955	Right Rear Midrange Speaker Output (-)	C	1 OG	1955	Right Rear Midrange Speaker Output (-)
D	--	1855	Right Rear Midrange Speaker Output (+)	D	1 TN	1855	Right Rear Midrange Speaker Output (+)
E-N	--	--	Not Used	E-N	--	--	Not Used
P	--	450	Ground	P	0.5 BK	450	Ground
R	--	149	Courtesy Lamp Control	R	0.5 D-BU/WH	149	Courtesy Lamp Control
S	--	2209	Rear Park Lamps Control	S	0.5 BN	2209	Rear Park Lamps Control

## X321 Upfitter Harness to Body Harness (YF2/YF7)



**Connector Part Information**

- | OEM: 12015664
- | Service: 12015664
- | Description: 4-Way F Metri-Pack 630 Series (BK)

**Terminal Part Information**

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

**Connector Part Information**

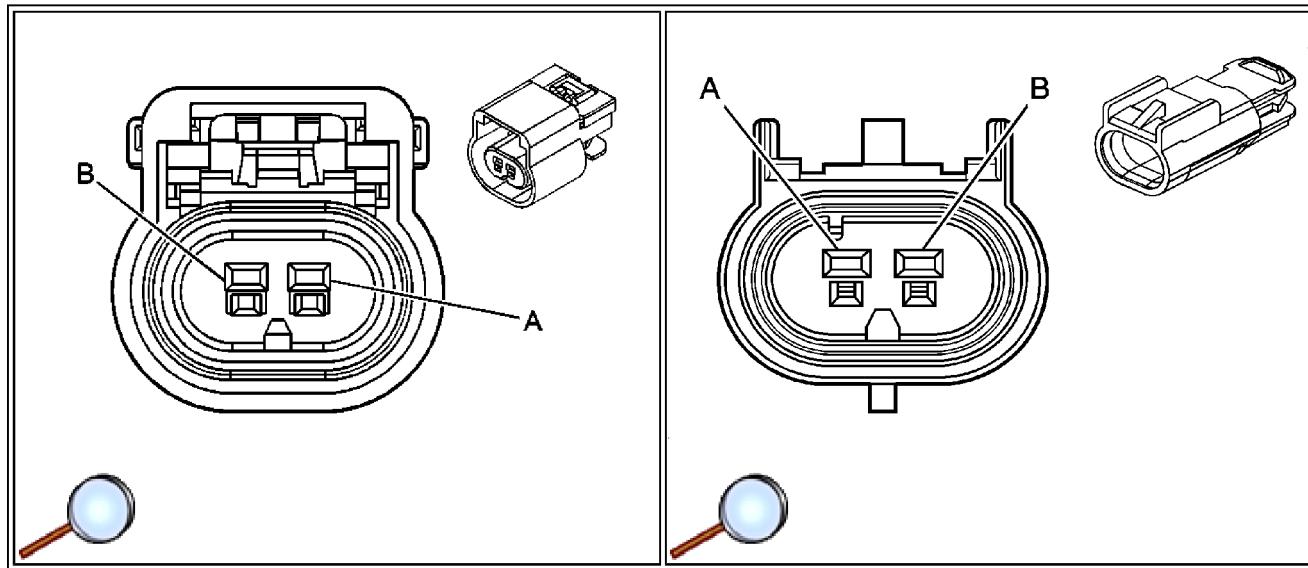
- | OEM: 12052623
- | Service: 15306008
- | Description: 4-Way M Metri-Pack 630 Series (BK)

**Terminal Part Information**

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

**X321 Upfitter Harness to Body Harness (YF2/YF7)**

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	--	1042	Battery Positive Voltage	A	5 RD/BK	1042	Battery Positive Voltage
B	--	541	Ignition Voltage	B	5 BN	541	Ignition Voltage
C	--	450	Ground	C	5 BK	450	Ground
D	--	--	Not Used	D	--	--	Not Used

**X324 Right Rear Side Impact Sensor Jumper to Body Harness (ASF)****Connector Part Information**

- | OEM: 13510085
- | Service: See Catalog
- | Description: 2-Way F GT 150 Series Sealed (BK)

**Connector Part Information**

- | OEM: 13510099
- | Service: 19151499
- | Description: 2-Way M GT 150 Series Sealed (BK)

## Terminal Part Information

- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

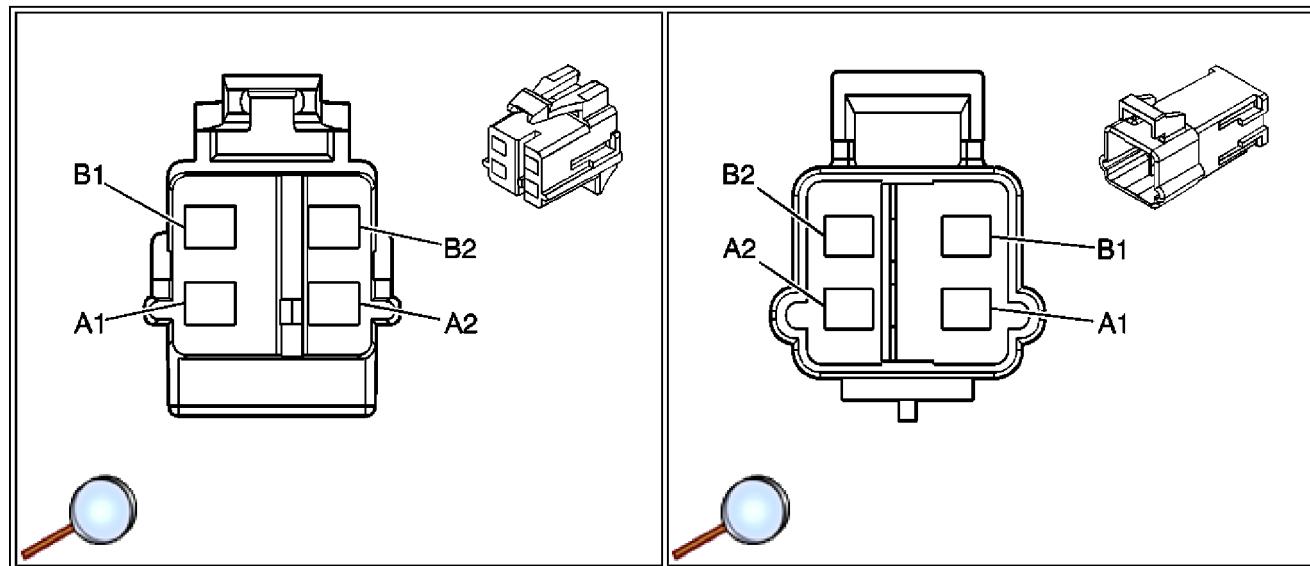
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X324 Right Rear Side Impact Sensor Jumper to Body Harness (ASF)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.5 PK/BK	6627	Low Reference	A	0.5 PK/BK	6627	Low Reference
B	0.5 L-BU/WH	6626	Right Rear Side Impact Sensing Module Signal	B	0.5 L-BU/WH	6626	Right Rear Side Impact Sensing Module Signal

## X330 Instrument Panel Harness to Body Harness



## Connector Part Information

- | OEM: 12191740
- | Service: 12191740
- | Description: 4-Way F Metri-Pack 280 Series (YE)

## Connector Part Information

- | OEM: 15304974
- | Service: 15306013
- | Description: 4-Way M Metri-Pack 280 Series (YE)

## Terminal Part Information

- | Terminal/Tray: 12034046/2
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)

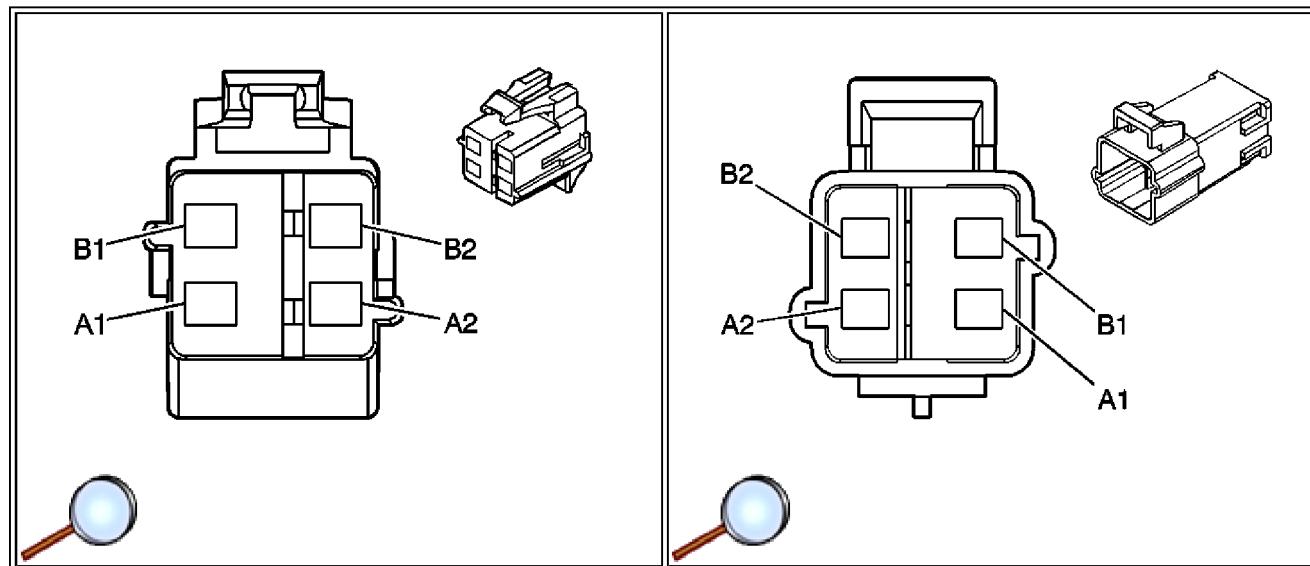
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X330 Instrument Panel Harness to Body Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A1	0.5 TN	3021	Steering Wheel Module - Stage 1 - High Control	A1	0.5 TN	3021	Steering Wheel Module - Stage 1 - High Control
A2	0.5 BN	3020	Steering Wheel Module - Stage 1 - Low Control	A2	0.5 BN	3020	Steering Wheel Module - Stage 1 - Low Control
B1	0.5 WH	3023	Steering Wheel Module - Stage 2 - High Control (Light Duty)	B1	0.5 WH	3023	Steering Wheel Module - Stage 2 - High Control (Light Duty)
B2	0.5 PK	3022	Steering Wheel Module - Stage 2 - Low Control (Light Duty)	B2	0.5 PK	3022	Steering Wheel Module - Stage 2 - Low Control (Light Duty)

## X331 Instrument Panel Harness to Body Harness



### Connector Part Information

- | OEM: 15336479
- | Service: 15306186
- | Description: 4-Way F Metri-Pack 280 Series (YE)

### Connector Part Information

- | OEM: 15336476
- | Service: 88987998
- | Description: 4-Way M Metri-Pack 280 Series (YE)

### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

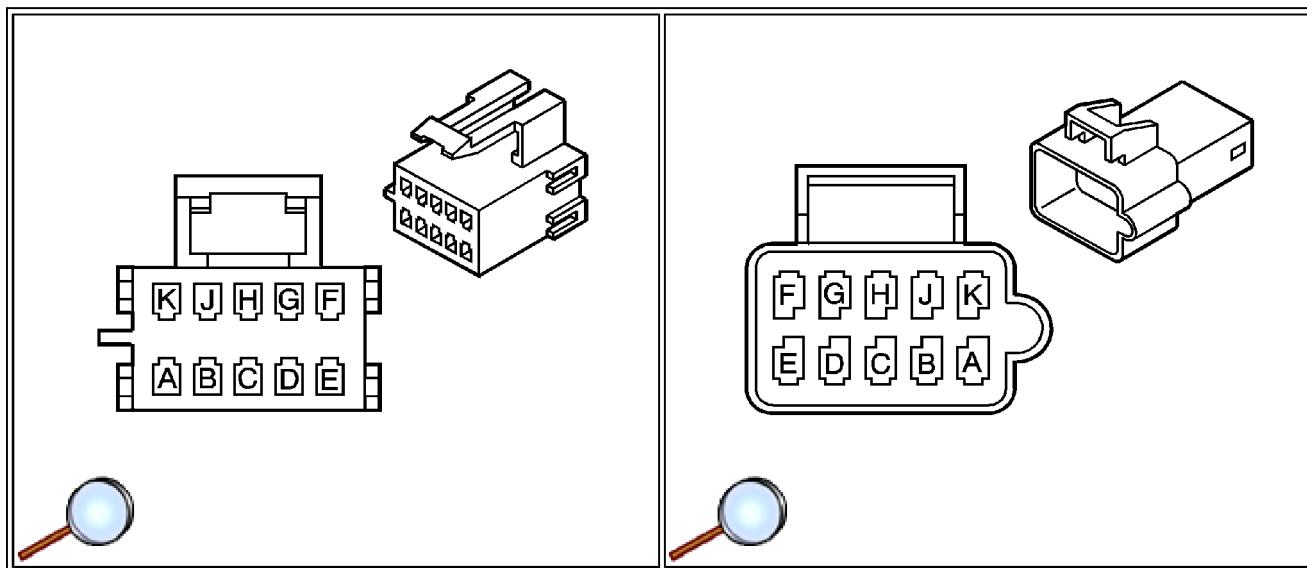
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X331 Instrument Panel Harness to Body Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A1	0.5 YE	3025	Instrument Panel Module - Stage 1 - High Control	A1	0.5 YE	3025	Instrument Panel Module - Stage 1 - High Control
A2	0.5 OG	3024	Instrument Panel Module - Stage 1 - Low Control	A2	0.5 OG	3024	Instrument Panel Module - Stage 1 - Low Control
B1	0.5 GY	3027	Instrument Panel Module - Stage 2 - High Control (Light Duty with AK5)	B1	0.5 GY	3027	Instrument Panel Module - Stage 2 - High Control (Light Duty with AK5)
B2	0.5 PU	3026	Instrument Panel Module - Stage 2 - Low Control (Light Duty with AK5)	B2	0.5 PU	3026	Instrument Panel Module - Stage 2 - Low Control (Light Duty with AK5)

## X400 Right Rear Cargo Door to Body Harness (Passenger/Cargo)



### Connector Part Information

- | OEM: 15324054
- | Service: See Catalog
- | Description: 10-Way F Metri-Pack 150 (BK)

### Terminal Part Information

- | Pins: D-E, H-K
- | Terminal/Tray: 12064971/5
- | Core/Insulation Crimp: E/C
- | Release Tool/Test Probe: 12094429/J-35616-14 (GN)
  
- | Pins: A-B, F-G
- | Terminal/Tray: 12047767/2
- | Core/Insulation Crimp: E/A

### Connector Part Information

- | OEM: 15324758
- | Service: See Catalog
- | Description: 10-Way M Metri-Pack 150 (BK)

### Terminal Part Information

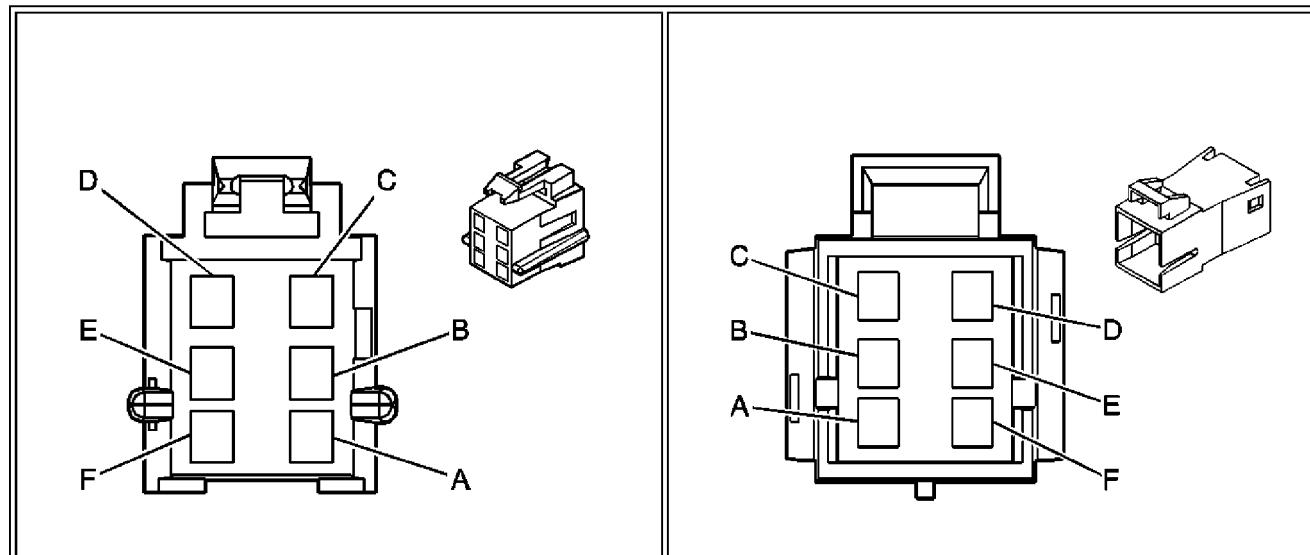
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

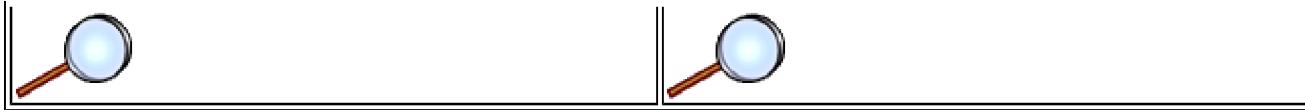
I Release Tool/Test Probe: 12094429/J-  
35616-14 (GN)

## X400 Right Rear Cargo Door to Body Harness (Passenger/Cargo)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	1 TN	1855	Right Rear Midrange Speaker Output (+)	A	1 TN	1855	Right Rear Midrange Speaker Output (+)
B	1 OG	1955	Right Rear Midrange Speaker Output (-)	B	1 OG	1955	Right Rear Midrange Speaker Output (-)
C	--	--	Not Used	C	--	--	Not Used
D	0.35 BK/WH	1051	Ground	D	1 BK/WH	1051	Ground
E	0.35 D-BU	245	Passenger Door Lock Switch Unlock Control (AU3)	E	0.35 D-BU	245	Passenger Door Lock Switch Unlock Control (AU3)
F	1 GY	295	Door Lock Actuator Lock Control (AU3)	F	1 GY	295	Door Lock Actuator Lock Control (AU3)
G	1 TN/BK	1095	Right Rear Door Lock Actuator Unlock Control (AU3)	G	1 TN/BK	1095	Right Rear Door Lock Actuator Unlock Control (AU3)
H	0.35 L-GN	5926	Rear Access Open Switch Signal	H	0.35 L-GN	5926	Rear Access Open Switch Signal
J	0.35 PK/BK	1303	Cargo Door Ajar Switch Signal	J	0.35 PK/BK	1303	Cargo Door Ajar Switch Signal
K	0.35 L-BU	244	Passenger Door Lock Switch Lock Control (AU3)	K	0.35 L-BU	244	Passenger Door Lock Switch Lock Control (AU3)

## X401 Left Tail Lamp Harness to Body Harness (Passenger/Cargo)





## Connector Part Information Connector Part Information

- | OEM: 12064752
- | Service: 15305888
- | Description: 6-Way F Metri-Pack 280 Series (BK)

- | OEM: 12064754
- | Service: 12064754
- | Description: 6-Way M Metri-Pack 280 Series Self Lock (BK)

## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

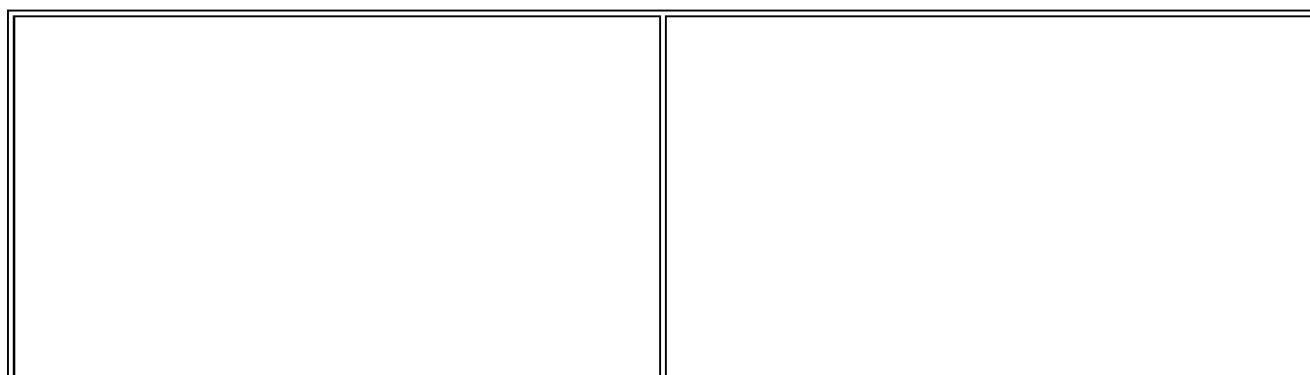
## Terminal Part Information

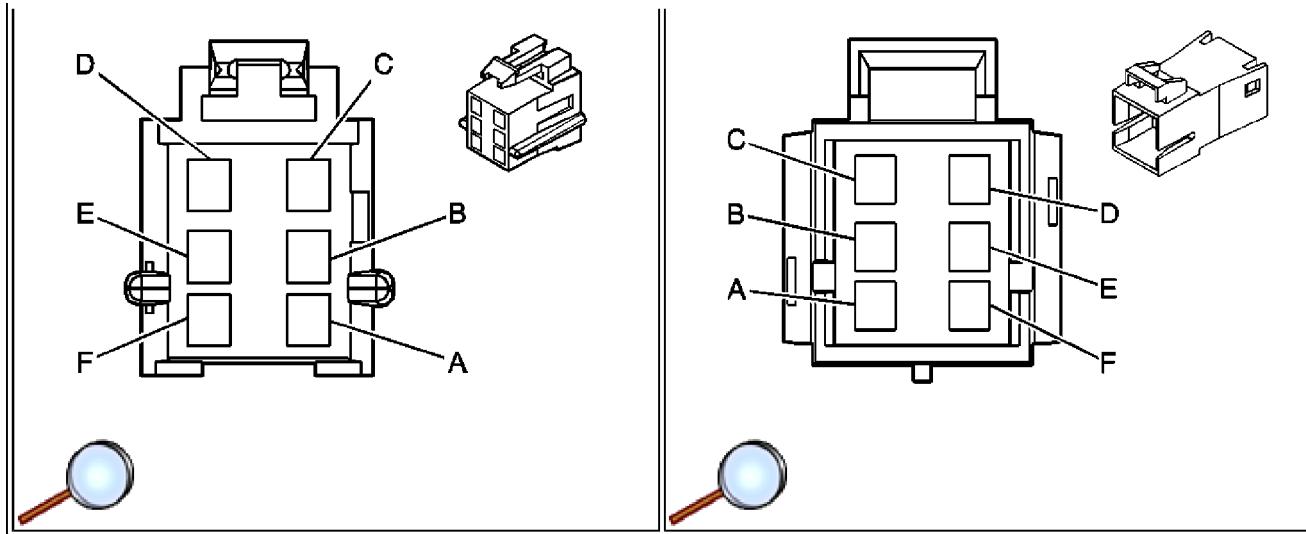
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

### X401 Left Tail Lamp Harness to Body Harness (Passenger/Cargo)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.5 BN	2509	Left Rear Park Lamps Control	A	0.5 BN	2509	Left Rear Park Lamps Control
					0.5 BN	2509	Left Rear Park Lamps Control
B	1 YE	618	Left Rear Turn Signal Lamp Control	B	1 YE	618	Left Rear Turn Signal Lamp Control
C	--	--	Not Used	C	--	--	Not Used
D	0.8 BK	850	Ground	D	0.8 BK	850	Ground
E	--	--	Not Used	E	--	--	Not Used
F	0.8 L-GN	24	Backup Lamp Control	F	0.8 L-GN	24	Backup Lamp Control

### X402 Right Tail Lamp Harness to Body Harness (Passenger/Cargo)





## Connector Part Information

- | OEM: 12064752
- | Service: 15305888
- | Description: 6-Way F Metri-Pack 280 Series (BK)

- | OEM: 12064754
- | Service: 15305872
- | Description: 6-Way M Metri-Pack 280 Series Self Lock (BK)

## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

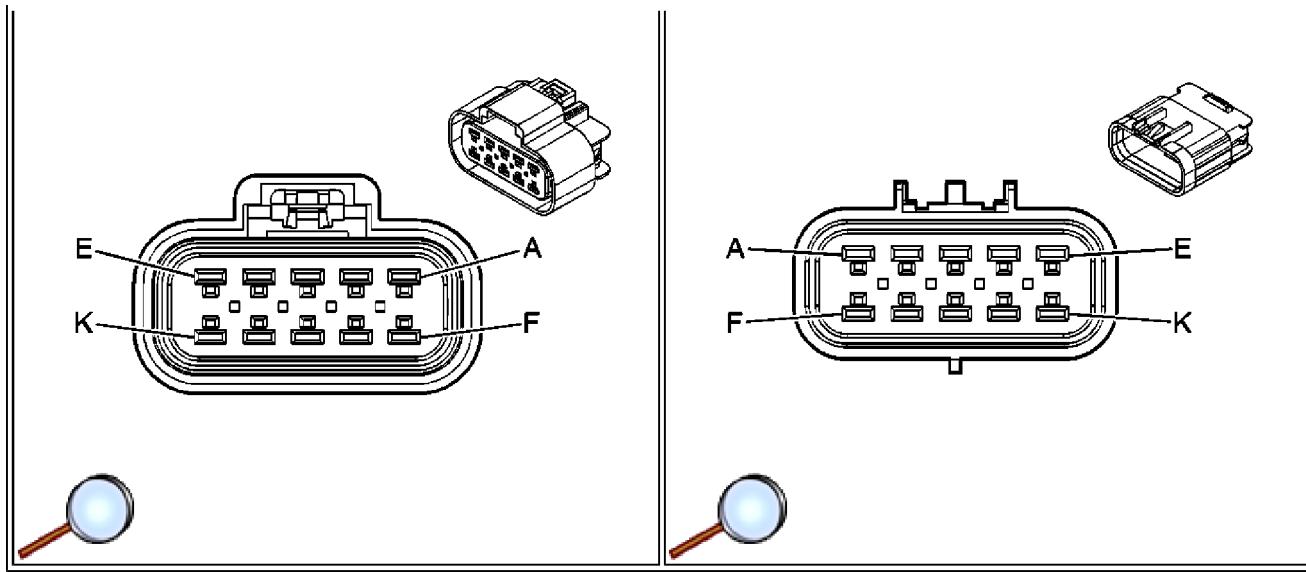
## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X402 Right Tail Lamp Harness to Body Harness (Passenger/Cargo)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.5 BN	2609	Right Rear Park Lamps Control	A	0.5 BN	2609	Right Rear Park Lamps Control
B	1 YE	619	Right Rear Turn Signal Lamp Control	B	1 D-GN	619	Right Rear Turn Signal Lamp Control
C	--	--	Not Used	C	--	--	Not Used
D	0.8 BK	1050	Ground	D	0.8 BK	1050	Ground
E	--	--	Not Used	E	--	--	Not Used
F	0.8 L-GN	24	Backup Lamp Control	F	0.8 L-GN	24	Backup Lamp Control

## X405 Cutaway Rear Lighting Connector to Chassis Harness (Cutaway)



## Connector Part Information

- | OEM: 15326660
- | Service: 88986262
- | Description: 10-Way F GT 280 5.8 Series Sealed (BK)

## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Connector Part Information

- | OEM: 15326661
- | Service: 15326661
- | Description: 10-Way M GT 280 5.8 Series Sealed (BK)

## Terminal Part Information

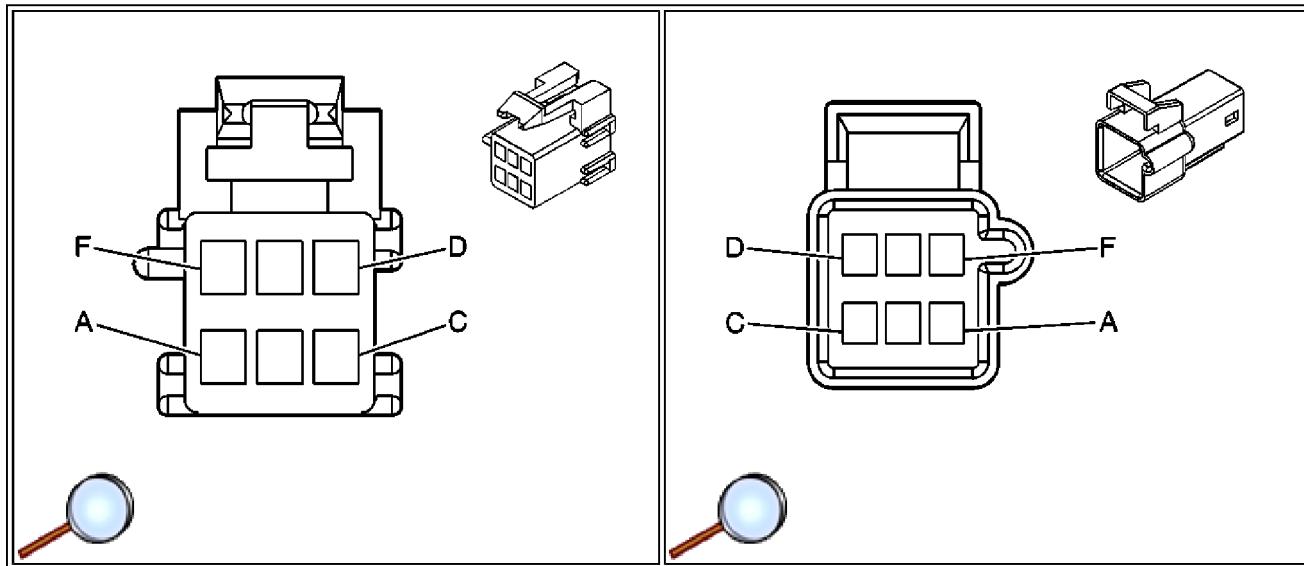
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X405 Cutaway Rear Lighting Connector to Chassis Harness (Cutaway)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A-B	--	--	Not Used	A-B	--	--	Not Used
C	1 WH	17	Center High Mounted Stop Lamp (CHMSL) Control	C	1 L-BU	1320	Center High Mounted Stop Lamp (CHMSL) Control
D	1 YE	618	Left Rear Turn Signal Lamp Control	D	1 YE	618	Left Rear Turn Signal Lamp Control
E	1 D-GN	619	Right Rear Turn Signal Lamp Control	E	1 D-GN	619	Right Rear Turn Signal Lamp Control
F	1 BN	2109	Trailer Park Lamps Control	F	1 BN	2109	Trailer Park Lamps Control
G	1 BK	150	Ground	G	1 BK	150	Ground
H	1 L-GN	1624	Trailer Backup Lamps Control	H	1 L-GN	1624	Trailer Backup Lamps Control

J	--	--	Not Used	J	--	--	Not Used
K	0.8 D-BU/WH	149	Courtesy Lamp Control	K	0.8 D-BU/WH	149	Courtesy Lamp Control

## X407 Rear HVAC Harness to Body Harness (C36/C69)



### Connector Part Information

- | OEM: 12064762
- | Service: 12125665
- | Description: 6-Way F Metri-Pack 150 Series (GY)

### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

### Connector Part Information

- | OEM: 12064763
- | Service: 12101876
- | Description: 6-Way M Metri-Pack 150 Series (GY)

### Terminal Part Information

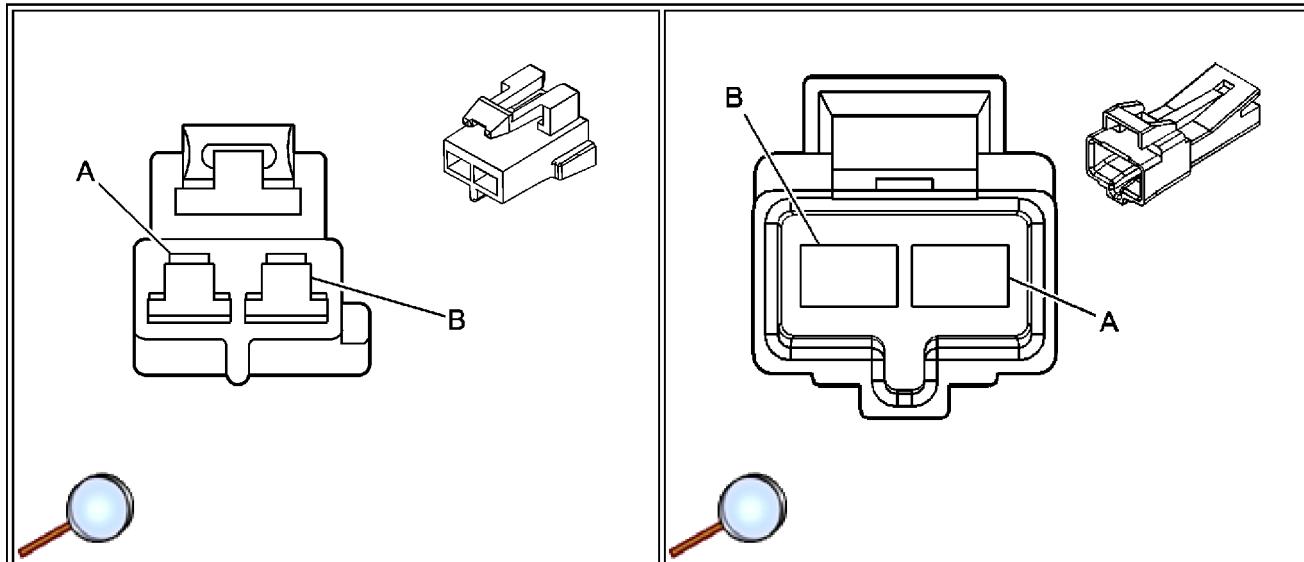
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X407 Rear HVAC Harness to Body Harness (C36/C69)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.35 OG	2775	Auxiliary Air Temperature Door Control (C69)	A	0.35 OG	2775	Auxiliary Air Temperature Door Control (C69)
B	0.35 D-BU	1926	Auxiliary Blower Motor Low Control	B	0.35 D-BU	1926	Auxiliary Blower Motor Low Control
C	0.35 WH	1924	Auxiliary Blower Motor High Control	C	0.35 WH	1924	Auxiliary Blower Motor High Control
D	0.35 OG	1925	Auxiliary Blower Motor Medium Control	D	0.35 OG	1925	Auxiliary Blower Motor Medium Control

E	0.35 BN	341	Ignition Voltage	E	0.35 BN	341	Ignition Voltage
F	0.35 GY	2599	Auxiliary Mode Door Control (C69)	F	0.35 GY	2599	Auxiliary Mode Door Control (C69)

## X409 Rear HVAC Harness to Body Harness (C36/C69)



### Connector Part Information

- | OEM: 12064749
- | Service: 12064749
- | Description: 2-Way F Metri-Pack 480 Series (BK)

### Connector Part Information

- | OEM: 12064750
- | Service: 12101935
- | Description: 2-Way M Metri-Pack 480 Series (BK)

### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

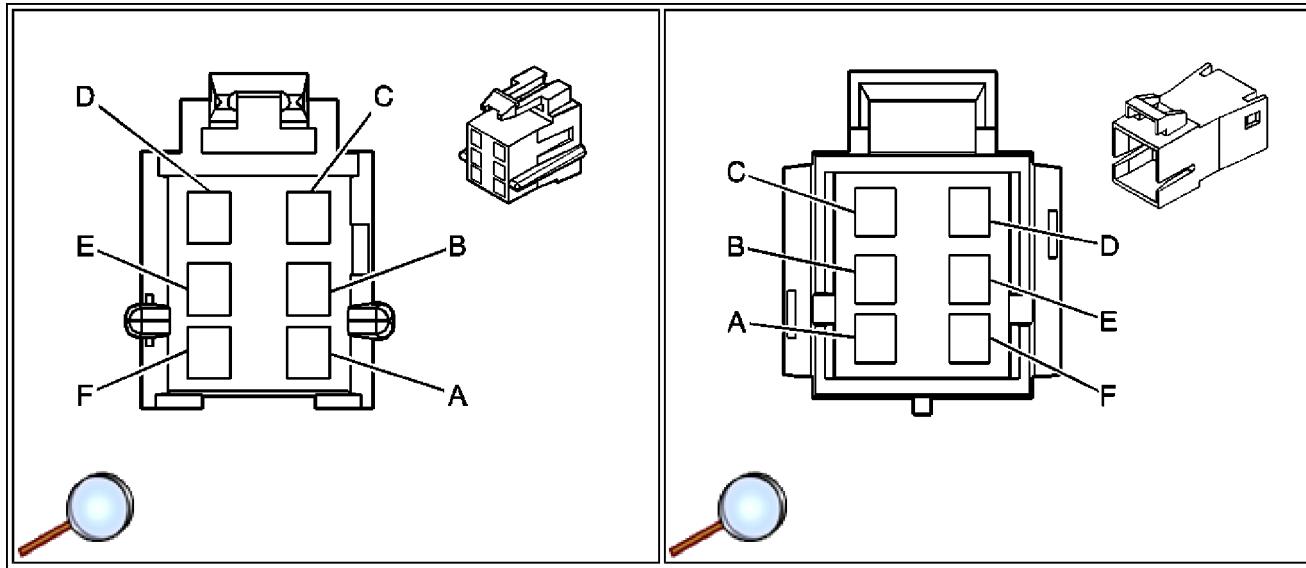
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X409 Rear HVAC Harness to Body Harness (C36/C69)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	5 RD/WH	1740	Battery Positive Voltage	A	5 RD/WH	1740	Battery Positive Voltage
B	5 BK	850	Ground	B	5 BK	850	Ground (C36/C69)
					5 BK	450	Ground (ENC)

## X411 Left Rear Cargo Door Harness to Body Harness (Passenger/Cargo)



## Connector Part Information

- | OEM: 12064752
- | Service: 12064752
- | Description: 6-Way F Metri-Pack 280 Series (BK)

## Connector Part Information

- | OEM: 12064754
- | Service: 15305872
- | Description: 6-Way M Metri-Pack 280 Series Self Lock (BK)

## Terminal Part Information

- | Pins: A-B
- | Terminal/Tray: 12034046/2
- | Core/Insulation Crimp: C/D
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)
  
- | Pins: D-E
- | Terminal/Tray: 12015858/4
- | Core/Insulation Crimp: Pins: D : B/G
- | Core/Insulation Crimp: Pins: E : F/G
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)

## Terminal Part Information

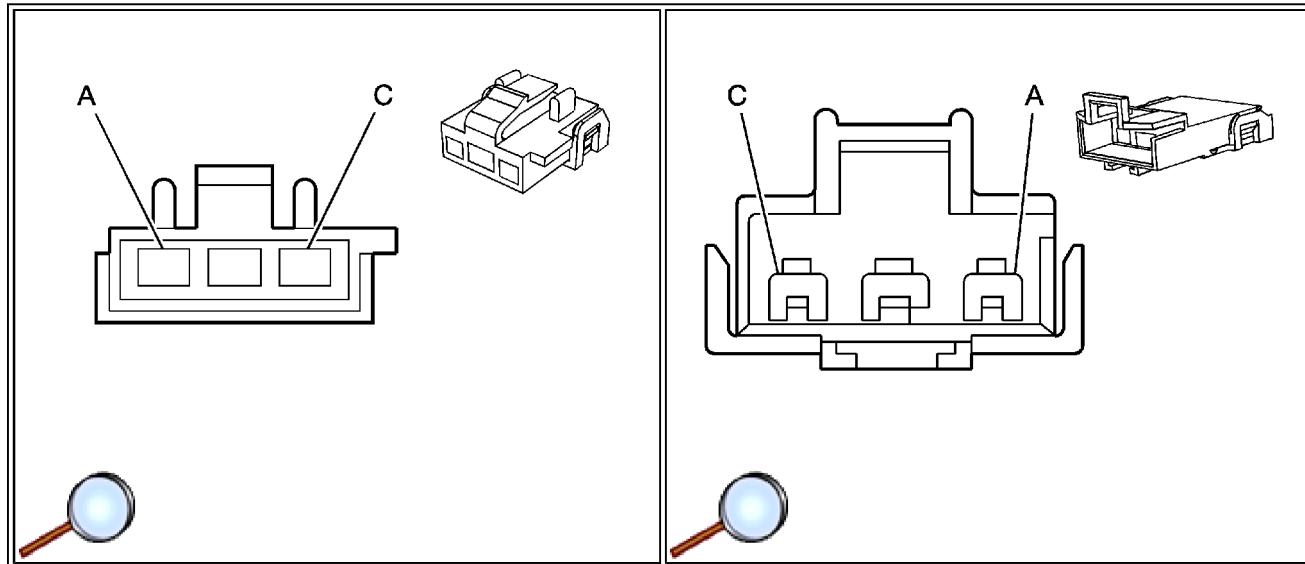
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X411 Left Rear Cargo Door Harness to Body Harness (Passenger/Cargo)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	1 TN	1859	Left Rear Midrange Speaker Output (+)	A	1 TN	1859	Left Rear Midrange Speaker Output (+)
B	1 WH	1959	Left Rear Midrange Speaker Output (-)	B	1 WH	1959	Left Rear Midrange Speaker Output (-)
C	--	--	Not Used	C	--	--	Not Used
D	5 PU	293	Rear Defog Element Control (C49)	D	5 PU	293	Rear Defog Element Control (C49)
E	3 BK	850	Ground (C49)	E	3 BK	850	Ground (C49)



## X412 Right Rear Cargo Door to Body Harness (Passenger/Cargo)



### Connector Part Information

- | OEM: 12020014
- | Service: 12020014
- | Description: 3-Way F Metri-Pack Connectors, Mixed (280, 480) Series (BK)

### Connector Part Information

- | OEM: 12045681
- | Service: 12045681
- | Description: 3-Way M Metri-Pack 280, 480 Series (BK)

### Terminal Part Information

- | Pins: A, C
- | Terminal/Tray: 12034046/2
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)
  
- | Pins: C
- | Terminal/Tray: 12015858/4
- | Core/Insulation Crimp: F/G
- | Release Tool/Test Probe: 12094430/J-35616-4A (PU)
  
- | Pins: B
- | Terminal/Tray: 12084595/2
- | Core/Insulation Crimp: B/G
- | Release Tool/Test Probe: 12094430/J-35616-40 (BU)

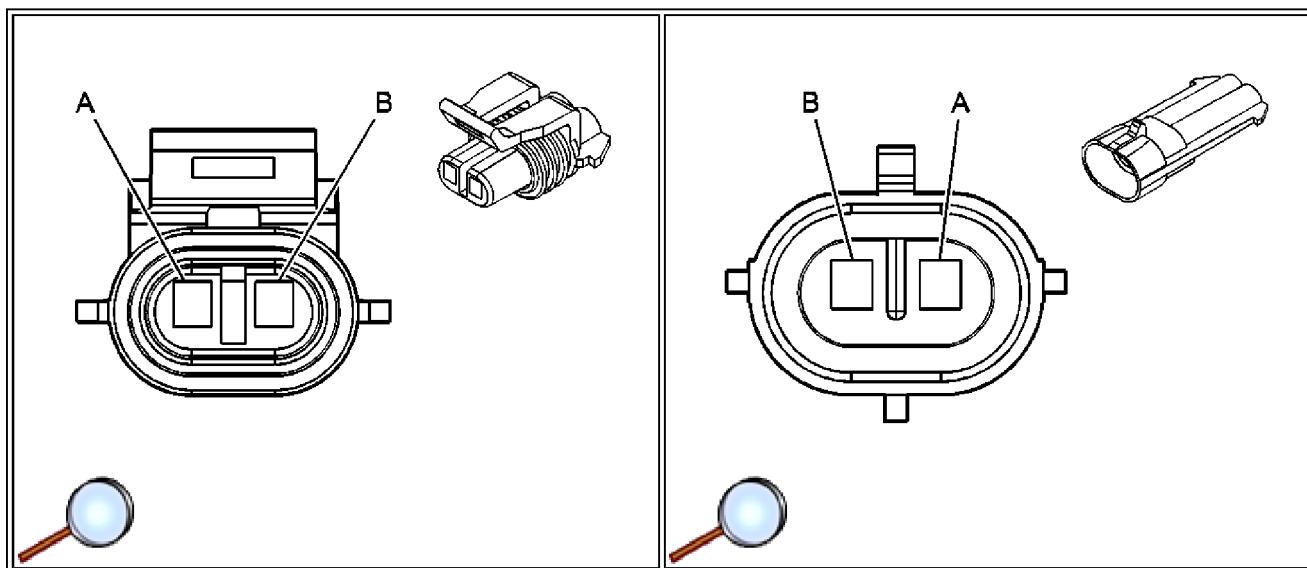
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X412 Right Rear Cargo Door to Body Harness (Passenger/Cargo)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.5 BN	2509	Left Rear Park Lamps Control	A	0.5 BN	2509	Left Rear Park Lamps Control
B	5 PU	293	Rear Defog Element Control (C49)	B	5 PU	293	Rear Defog Element Control (C49)
C	3 BK	1050	Ground (Passenger/Cargo with C49)	C	3 BK	1050	Ground
	0.5 BK	1050	Ground (Passenger/Cargo without C49)				

## X413 Chassis Harness to Left Rear Wheel Speed Sensor Jumper Harness (JL4)



### Connector Part Information

- | OEM: 12052641
- | Service: 12102747
- | Description: 2-Way F Metri-Pack 150 Series Sealed (BK)

### Connector Part Information

- | OEM: 12162000
- | Service: 12167120
- | Description: 2-Way M Metri-Pack 150 Series Sealed (BK)

### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

### Terminal Part Information

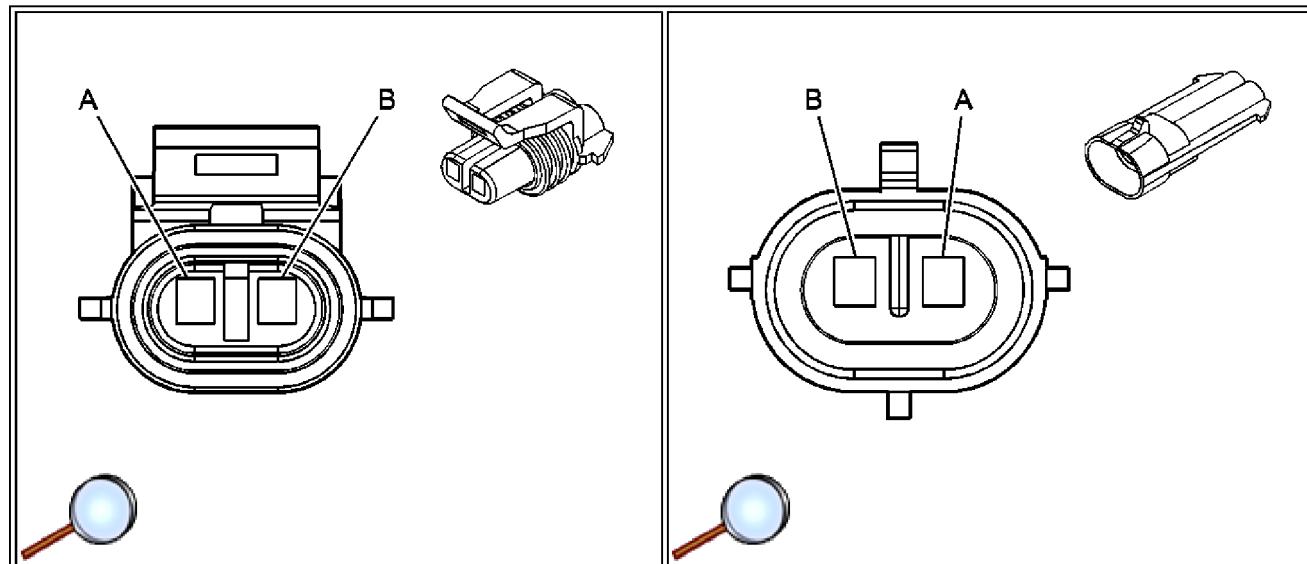
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X413 Chassis Harness to Left Rear Wheel Speed Sensor

## Jumper Harness (JL4)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.5 OG	885	Low Reference	A	0.5 BK	885	Low Reference
B	0.5 TN	884	Left Rear Wheel Speed Sensor Signal	B	0.5 RD	884	Left Rear Wheel Speed Sensor Signal

## X414 Chassis Harness to Right Rear Wheel Speed Sensor Jumper Harness (JL4)



### Connector Part Information

- | OEM: 12052641
- | Service: 12102747
- | Description: 2-Way F Metri-Pack 150 Series Sealed (BK)

### Connector Part Information

- | OEM: 12162000
- | Service: 12162000
- | Description: 2-Way M Metri-Pack 150 Series Sealed (BK)

### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

### Terminal Part Information

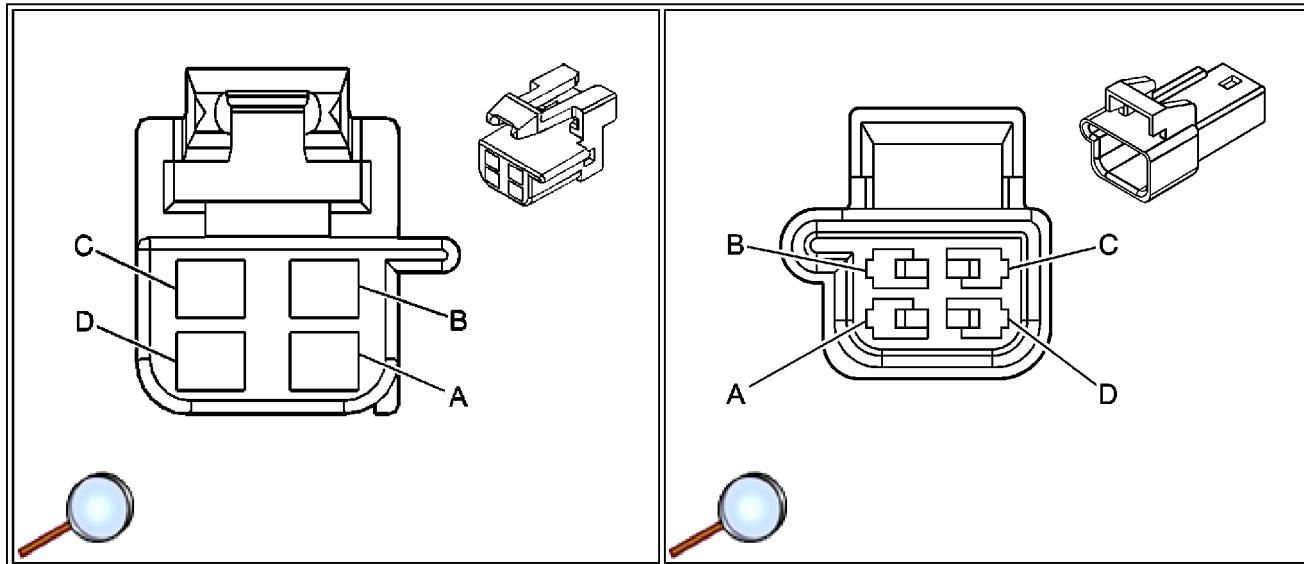
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X414 Chassis Harness to Right Rear Wheel Speed Sensor Jumper Harness (JL4)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.5 WH	883	Low Reference	A	0.5 BN	883	Low Reference
B	0.5	882	Right Rear Wheel Speed	B	0.5	882	Right Rear Wheel Speed



## X415 Roof Center Speaker Harness to Body Harness (Passenger/Cargo)



### Connector Part Information

- | OEM: 12064760
- | Service: 12064760
- | Description: 4-Way F Metri-Pack 150 Series (BK)

### Connector Part Information

- | OEM: 12065658
- | Service: See Catalog
- | Description: 4-Way M Metri-Pack 150 Series (BK)

### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

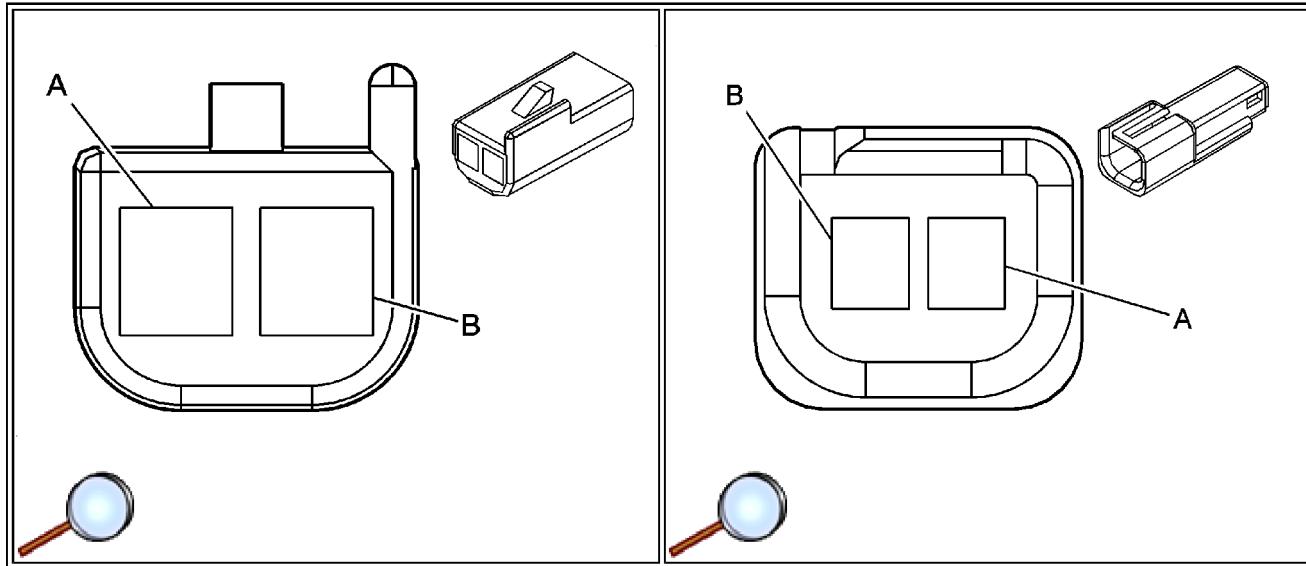
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X415 Roof Center Speaker Harness to Body Harness (Passenger/Cargo)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	1 WH	1959	Left Rear Midrange Speaker Output (-)	A	1 WH	1959	Left Rear Midrange Speaker Output (-)
B	1 TN	1859	Left Rear Midrange Speaker Output (+)	B	1 TN	1859	Left Rear Midrange Speaker Output (+)
C	1 OG	1955	Right Rear Midrange Speaker Output (-)	C	1 OG	1955	Right Rear Midrange Speaker Output (-)
D	1 TN	1855	Right Rear Midrange Speaker Output (+)	D	1 TN	1855	Right Rear Midrange Speaker Output (+)

## X417 Dome Lamp Harness to Body Harness (Cargo without YF7)



### Connector Part Information

- | OEM: 12047662
- | Service: 12085535
- | Description: 2-Way F Metri-Pack 150 Series (BK)

### Connector Part Information

- | OEM: 12048457
- | Service: 12085481
- | Description: 2-Way M Metri-Pack 150 Series (BK)

### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

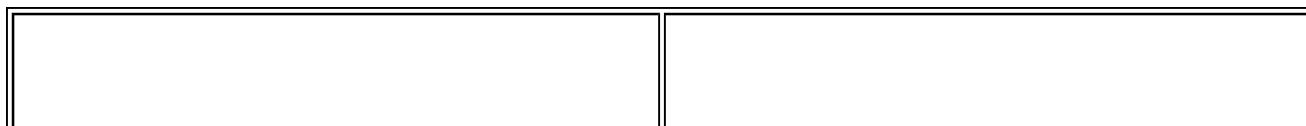
### Terminal Part Information

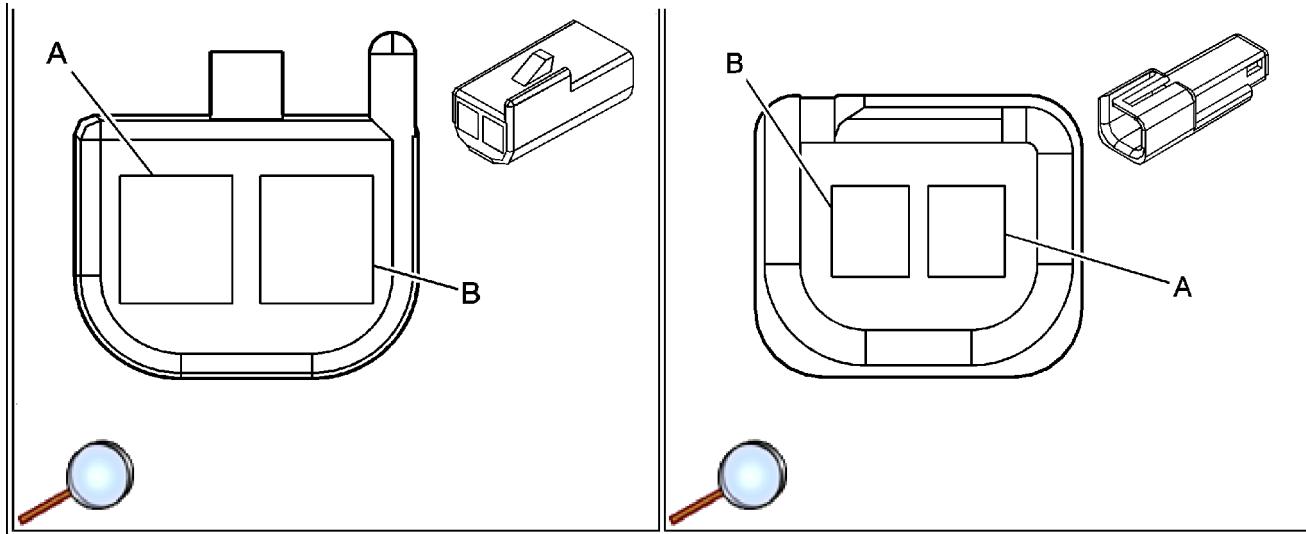
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X417 Dome Lamp Harness to Body Harness (Cargo without YF7)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.8 D-BU/WH	149	Courtesy Lamp Control	A	0.8 D-BU/WH	149	Courtesy Lamp Control
B	0.5 BK	850	Ground	B	0.5 BK	850	Ground

## X419 Center High Mounted Stop Lamp Harness to Body Harness (Passenger/Cargo)





### Connector Part Information

- | OEM: 12047662
- | Service: 12085535
- | Description: 2-Way F Metri-Pack 150 Series (BK)

### Connector Part Information

- | OEM: 12048457
- | Service: 12048457
- | Description: 2-Way M Metri-Pack 150 Series (BK)

### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

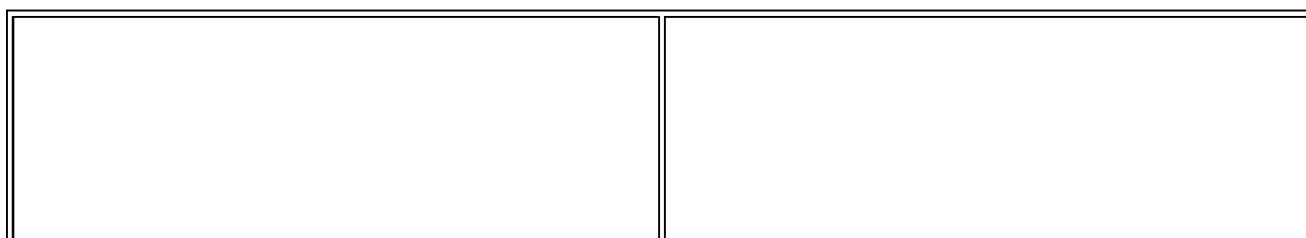
### Terminal Part Information

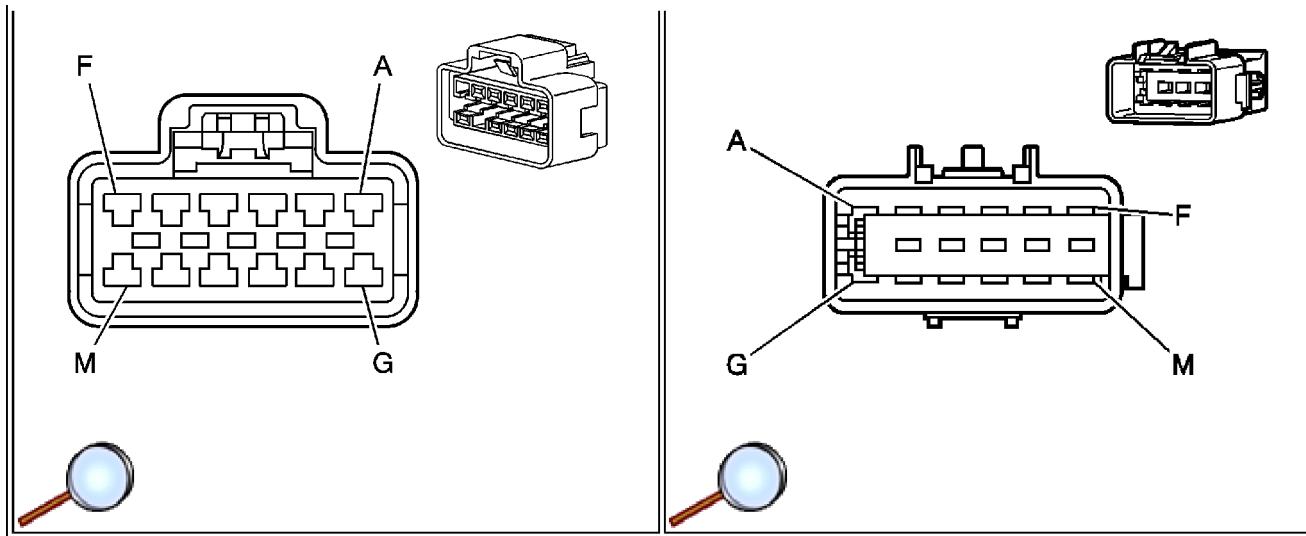
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X419 Center High Mounted Stop Lamp Harness to Body Harness (Passenger/Cargo)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.8 L-BU	1320	Center High Mounted Stop Lamp (CHMSL) Control	A	0.8 L-BU	1320	Center High Mounted Stop Lamp (CHMSL) Control
B	0.8 BK	850	Ground	B	0.8 BK	850	Ground

## X420 Headliner Harness to Body Harness (Passenger/Cargo)





## Connector Part Information

- | OEM: 15326110
- | Service: 15306171
- | Description: 12-Way F GT 280 Series (BK)

## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Connector Part Information

- | OEM: 15326942
- | Service: 15326942
- | Description: 12-Way M GT 280 Series (BK)

## Terminal Part Information

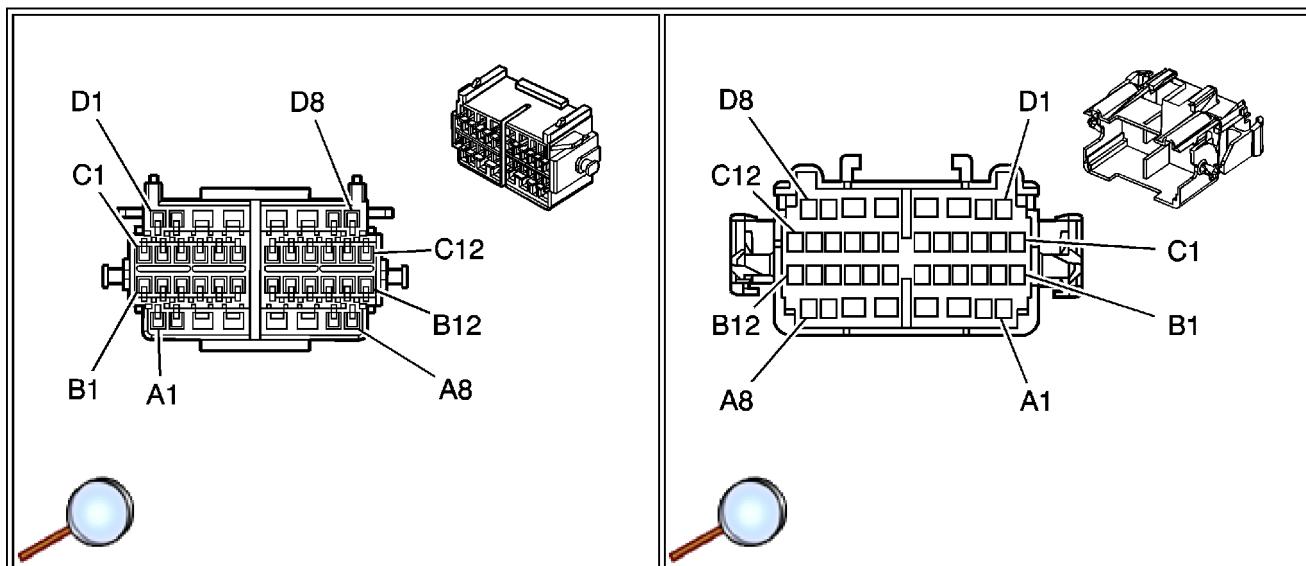
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X420 Headliner Harness to Body Harness (Passenger/Cargo)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.8 D-BU/WH	149	Courtesy Lamp Control	A	0.8 D-BU/WH	149	Courtesy Lamp Control
B	0.8 D-BU/WH	149	Courtesy Lamp Control	B	0.8 D-BU/WH	149	Courtesy Lamp Control
C	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control (C69)	C	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control (C69)
D	0.5 WH	1924	Auxiliary Blower Motor High Control (C69)	D	0.5 WH	1924	Auxiliary Blower Motor High Control (C69)
E	0.5 OG	1925	Auxiliary Blower Motor Medium Control (C69)	E	0.5 OG	1925	Auxiliary Blower Motor Medium Control (C69)
F	0.5 D-BU	1926	Auxiliary Blower Motor Low Control (C69)	F	0.5 D-BU	1926	Auxiliary Blower Motor Low Control (C69)
G	0.35 BN	341	Ignition Voltage (C69)	G	0.35 BN	341	Ignition Voltage (C69)
H	0.8 BK	1050	Ground	H	0.8 BK	1050	Ground

J	0.8 OG	1732	Courtesy Lamp Control	J	0.8 OG	1732	Courtesy Lamp Control
K	0.5 BN	5263	Rear Auxiliary Air Temperature Door Control (C69)	K	0.5 BN	5263	Rear Auxiliary Air Temperature Door Control (C69)
L	0.5 PU/WH	5264	Rear Auxiliary Mode Door Control (C69)	L	0.5 PU/WH	5264	Rear Auxiliary Mode Door Control (C69)
M	0.5 PK/BK	5265	Rear Auxiliary Blower Motor Switch Control (C69)	M	0.5 PK/BK	5265	Rear Auxiliary Blower Motor Switch Control (C69)

## X500 Driver Door Harness to Body Harness



### Connector Part Information

- | OEM: 15448129
- | Service: See Catalog
- | Description: 40-Way F GT 150 280 Series (BK)

### Connector Part Information

- | OEM: 15475869
- | Service: 88988307
- | Description: 40-Way M GT 150 280 Series (BK)

### Terminal Part Information

- | Pins: A1, A7-A8, B1-B4, B7-B8, B12, C1-C2, C7-C8, C12, D7-D8
- | Terminal/Tray: 12191812/19
- | Core/Insulation Crimp: Pins: A7, B7-B8, B12, C12 : C/A
- | Core/Insulation Crimp: Pins: A1, A8, B1-B4, C1-C2, C7-C8, D7-D8 : E/C
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)
- | Pins: A5-A6

### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See

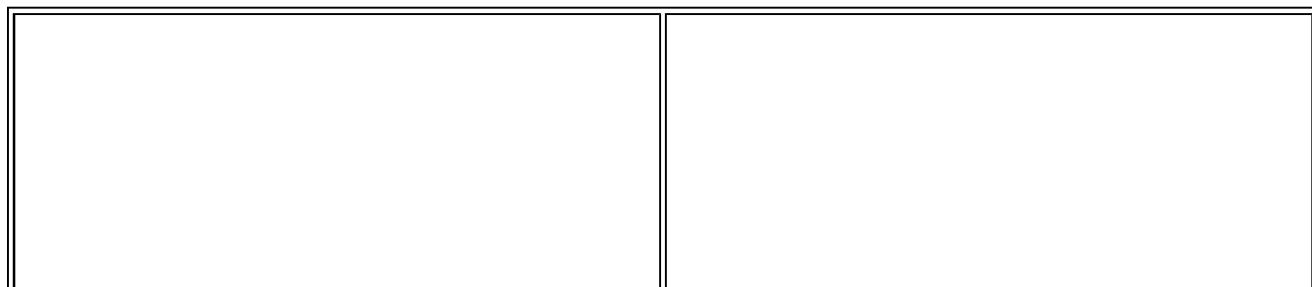
- |   |  |
|---|--|
| Terminal/Tray: 15304711/8                         | Terminal Repair Kit                              |
| Core/Insulation Crimp: E/A                        |  |
| Release Tool/Test Probe: 15315247/J-35616-4A (PU) | Release Tool/Test Probe: See Terminal Repair Kit |
| <br>  |  |
| Pins: A5, D4-D6                                   |  |
| Terminal/Tray: 15304713/19                        |  |
| Core/Insulation Crimp: F/D                        |  |
| Release Tool/Test Probe: 15315247/J-35616-4A (PU) |  |

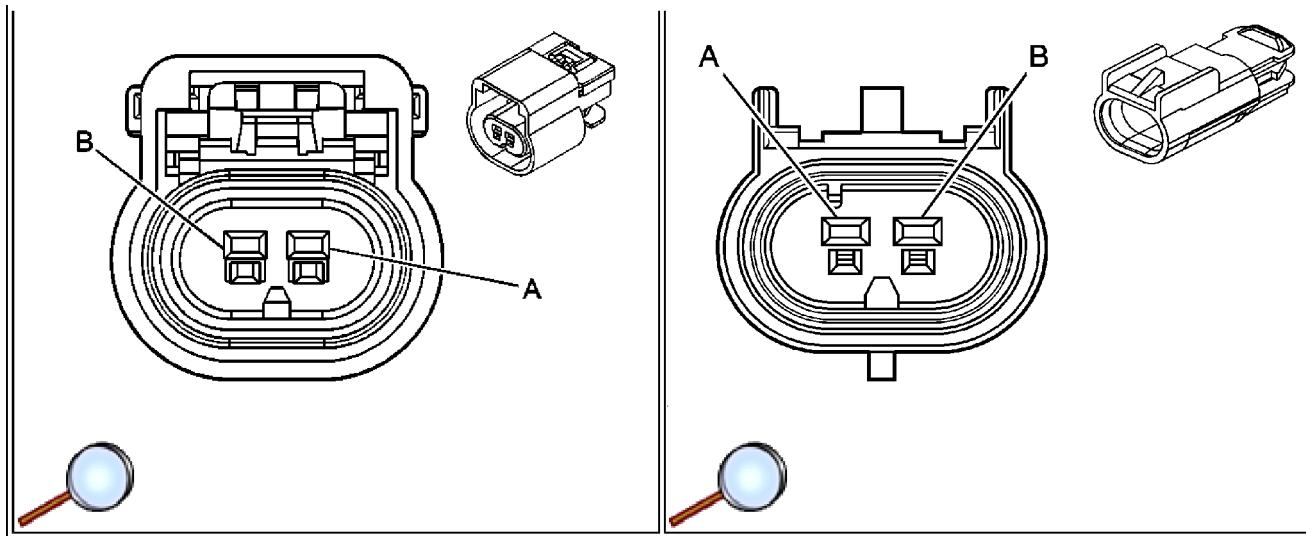
## X500 Driver Door Harness to Body Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A1	0.35 TN	126	Left Front Door Open Switch Signal	A1	0.35 TN	126	Left Front Door Open Switch Signal
A2-A4	--	--	Not Used	A2-A4	--	--	Not Used
A5	0.35 BK	450	Ground (AU3 without DE5/DE7/A31)	A5	3 BK	450	Ground
	3 BK	450	Ground (AU3 with DE5/DE7/A31)				
A6	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control (AU3)	A6	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control (AU3/A31)
	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control (A31)				
A7	0.8 OG	2267	Mirror Heating Element Control (DE5/DE7)	A7	0.8 OG	2267	Mirror Heating Element Control (DE5/DE7)
A8	0.35 PU/WH	889	Passenger Mirror Motor Down Control (DE5/DE7)	A8	0.5 PU/WH	889	Passenger Mirror Motor Down Control (DE5/DE7)
B1	0.35 OG/BK	781	Driver Door Lock Switch Unlock Signal (AU3)	B1	0.35 OG/BK	781	Driver Door Lock Switch Unlock Signal (AU3)
B2	0.35 PK/BK	780	Driver Door Lock Switch Lock Signal (AU3)	B2	0.35 PK/BK	780	Driver Door Lock Switch Lock Signal (AU3)
B3	0.35 GY/BK	745	Left Front Door Ajar Switch Signal	B3	0.35 GY/BK	745	Left Front Door Ajar Switch Signal
B4	0.35 BK	450	Ground	B4	0.35 BK	450	Ground
B5-B6	--	--	Not Used	B5-B6	--	--	Not Used
B7	0.8 TN	694	Driver Door Lock Actuator Unlock Control (AU3)	B7	0.8 TN	694	Driver Door Lock Actuator Unlock Control (AU3)
B8	0.8 GY	295	Door Lock Actuator Lock Control (AU3)	B8	1 GY	295	Door Lock Actuator Lock Control (AU3)
B9-	--	--	Not Used	B9-	--	--	Not Used

B11				B11			
B12	0.8 D-BU	1857	Left Front Midrange Speaker Output (+)	B12	0.8 D-BU	1857	Left Front Midrange Speaker Output (+)
C1	0.5 PU/WH	6628	Low Reference (ASF)	C1	0.5 PU/WH	6628	Low Reference (ASF)
C2	0.5 WH	2132	Side Impact Sensing Module - Left - Signal (ASF)	C2	0.5 WH	2132	Side Impact Sensing Module - Left - Signal (ASF)
C3-C6	--	--	Not Used	C3-C6	--	--	Not Used
C7	0.5 L-BU/WH	1314	Left Front Turn Signal Lamp Control (DE5/DE7)	C7	0.5 L-BU/WH	1314	Left Front Turn Signal Lamp Control (DE5/DE7)
C8	0.5 RD/WH	4340	Battery Positive Voltage (DE5/DE7)	C8	0.5 RD/WH	4340	Battery Positive Voltage (DE5/DE7)
C9-C11	--	--	Not Used	C9-C11	--	--	Not Used
C12	0.8 L-BU	1957	Left Front Midrange Speaker Output (-)	C12	0.8 L-BU	1957	Left Front Midrange Speaker Output (-)
D1-D3	--	--	Not Used	D1-D3	--	--	Not Used
D4	3 TN	167	Power Window Master Switch Right Front Down Signal (A31)	D4	3 TN	167	Power Window Master Switch Right Front Down Signal (A31)
D5	3 L-BU	166	Power Window Master Switch Right Front Up Signal (A31)	D5	3 L-BU	166	Power Window Master Switch Right Front Up Signal (A31)
D6	3 D-GN	1001	RAP Control (A31)	D6	3 D-GN	1001	RAP Control (A31)
D7	0.35 BN/WH	1498	Passenger Mirror Motor Left/Down Control (DE5/DE7)	D7	0.5 BN/WH	1498	Passenger Mirror Motor Left/Down Control (DE5/DE7)
D8	0.35 OG/WH	881	Passenger Mirror Motor Right Control (DE5/DE7)	D8	0.5 OG/WH	881	Passenger Mirror Motor Right Control (DE5/DE7)

## X501 Driver Side Impact Sensor Jumper Harness to Driver Door Harness (ASF)





## Connector Part Information

- | OEM: 13510085
- | Service: See Catalog
- | Description: 2-Way F GT 150 Series Sealed (BK)

## Terminal Part Information

- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

## Connector Part Information

- | OEM: 13510099
- | Service: 19151499
- | Description: 2-Way M GT 150 Series Sealed (BK)

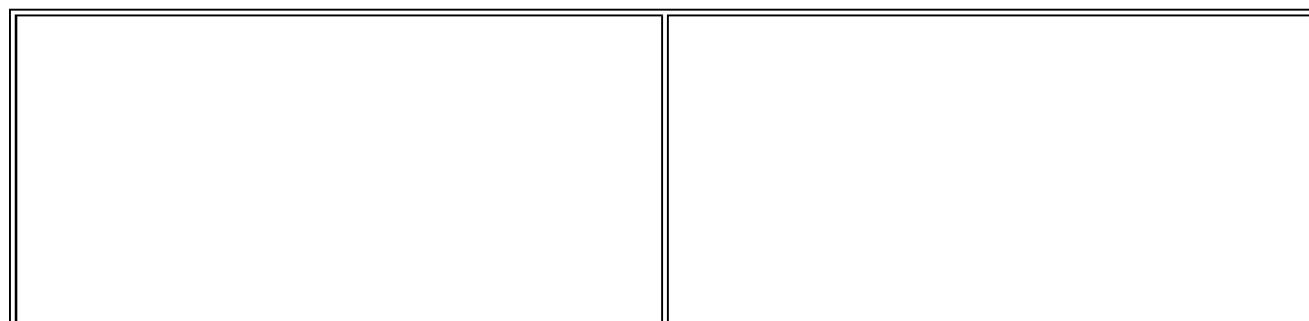
## Terminal Part Information

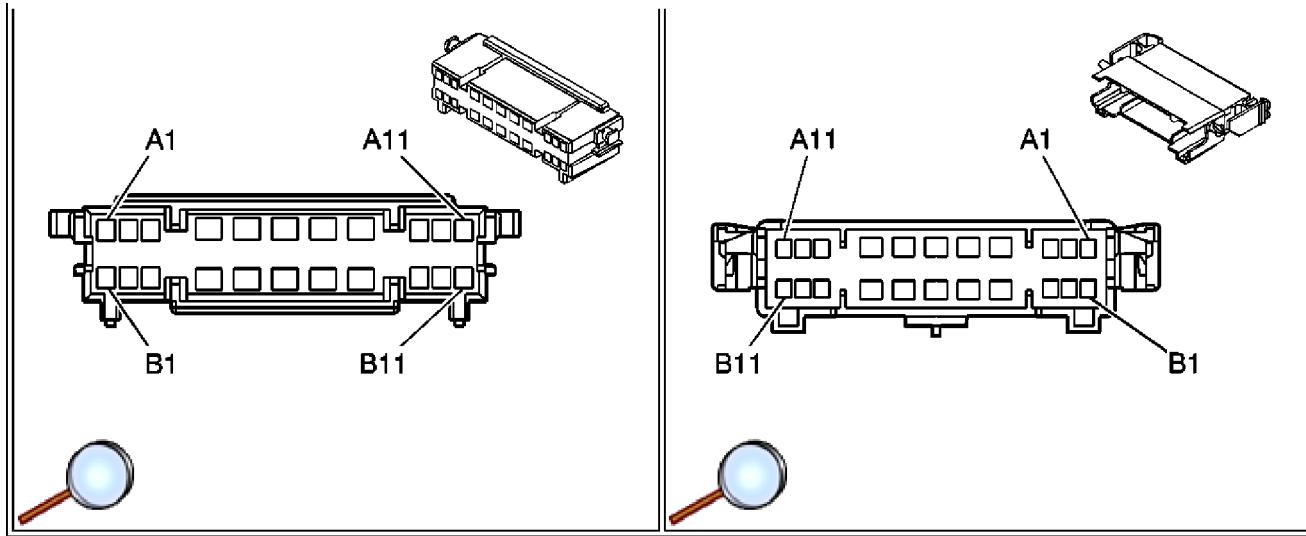
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X501 Driver Side Impact Sensor Jumper Harness to Driver Door Harness (ASF)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.5 PU/WH	6628	Low Reference	A	0.5 PU/WH	6628	Low Reference
B	0.5 WH	2132	Side Impact Sensing Module - Left - Signal	B	0.5 WH	2132	Side Impact Sensing Module - Left - Signal

## X600 Passenger Door Harness to Body Harness





## Connector Part Information

- | OEM: 15326063
- | Service: 15326063
- | Description: 22-Way F GT 150, 280 (GY)

## Terminal Part Information

- | Pins: A1-A3, A9-A11, B1-B3, B10-B11
- | Terminal/Tray: 12191812/19
- | Core/Insulation Crimp: Pins: A1-A3, B1-B2 : C/A
- | Core/Insulation Crimp: Pins: B3, B10-B11, A9-A11 : E/C
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)
  
- | Pins: A5-A8, B6-B8
- | Terminal/Tray: 15304711/8
- | Core/Insulation Crimp: Pins: A5 : 2/A
- | Core/Insulation Crimp: Pins: A5-A8, B6-B8 : E/A
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)
  
- | Pins: A4, B4-B5
- | Terminal/Tray: 15304713/19
- | Core/Insulation Crimp: F/D
- | Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## Connector Part Information

- | OEM: 15326064
- | Service: 15326064
- | Description: 22-Way M GT 150, 280 (GY)

## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

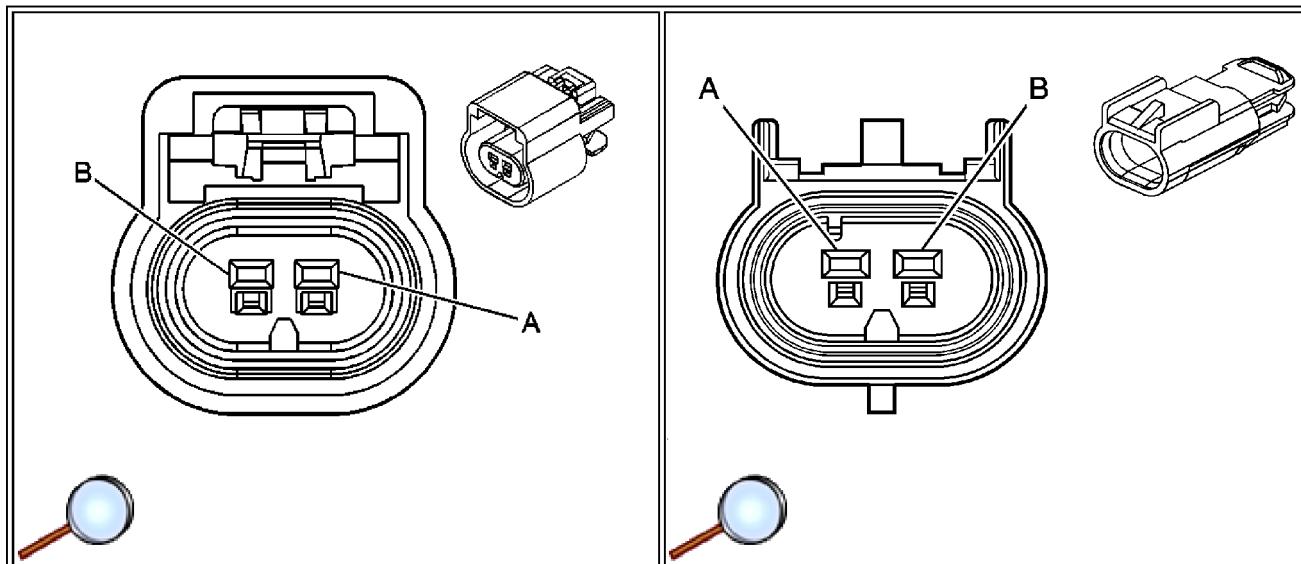
## X600 Passenger Door Harness to Body Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A1	0.8 OG	1853	Right Front Midrange Speaker Output (+)	A1	0.8 OG	1853	Right Front Midrange Speaker Output (+)

A2	0.8 TN	294	Door Lock Actuator Unlock Control (AU3)	A2	0.8 TN	294	Door Lock Actuator Unlock Control (AU3)
A3	0.8 OG	2267	Mirror Heating Element Control (DE5/DE7)	A3	0.8 OG	2267	Mirror Heating Element Control (DE5/DE7)
A4	3 L-BU	166	Power Window Master Switch Right Front Up Signal (A31)	A4	3 L-BU	166	Power Window Master Switch Right Front Up Signal (A31)
A5	0.8 BK	1850	Ground	A5	0.8 BK	1850	Ground
A6	0.35 BN/WH	1498	Passenger Mirror Motor Left/Down Control (DE5/DE7)	A6	0.5 BN/WH	1498	Passenger Mirror Motor Left/Down Control (DE5/DE7)
	0.35 BN/WH	1498	Passenger Mirror Motor Left/Down Control (DE5/DE7)		0.5 OG/WH	881	Passenger Mirror Motor Right Control (DE5/DE7)
A7	0.35 OG/WH	881	Passenger Mirror Motor Right Control (DE5/DE7)	A7	0.35 TN/WH	746	Right Front Door Ajar Switch Signal
A8	0.35 TN/WH	746	Right Front Door Ajar Switch Signal	A8	0.35 BK	1850	Ground
A9	0.35 BK	1850	Ground	A9	0.5 D- GN	2134	Side Impact Sensing Module - Right -- Signal
A10	0.5 D- GN	2134	Side Impact Sensing Module - Right - Signal	A10	0.35 L- BU	244	Passenger Door Lock Switch Lock Control (AU3)
A11	0.35 L- BU	244	Passenger Door Lock Switch Lock Control (AU3)	B1	0.8 D- GN	1953	Right Front Midrange Speaker Output (-)
B1	0.8 D- GN	1953	Right Front Midrange Speaker Output (-)	B2	1 GY	295	Door Lock Actuator Lock Control (AU3)
B2	0.8 GY	295	Door Lock Actuator Lock Control (AU3)	B3	0.5 D- BU/WH	1315	Right Front Turn Signal Lamp Control (DE5/DE7)
B3	0.5 D- BU/WH	1315	Right Front Turn Signal Lamp Control (DE5/DE7)	B4	3 TN	167	Power Window Master Switch Right Front Down Signal (A31)
B4	3 TN	167	Power Window Master Switch Right Front Down Signal (A31)	B5	3 D-GN	1001	RAP Control (A31)
B5	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control (AU3)	B6	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control (AU3/A31)
	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control (A31)		0.5 PU/WH	889	Passenger Mirror Motor Down Control (DE5/DE7)
B7	0.35 PU/WH	889	Passenger Mirror Motor Down Control (DE5/DE7)	B8	0.35 L- GN	1177	Right Front Door Open Switch Signal
B8	0.35 L- GN	1177	Right Front Door Open Switch Signal				

B9	--	--	Not Used	B9	--	--	Not Used
B10	0.5 WH/BK	6629	Low Reference (ASF)	B10	0.5 WH/BK	6629	Low Reference (ASF)
B11	0.35 D- BU	245	Passenger Door Lock Switch Unlock Control (AU3)	B11	0.35 D- BU	245	Passenger Door Lock Switch Unlock Control (AU3)

## X601 Passenger Side Impact Sensor Jumper Harness to Passenger Door Harness (ASF)



### Connector Part Information

- | OEM: 13510085
- | Service: See Catalog
- | Description: 2-Way F GT 150 Series Sealed (BK)

### Terminal Part Information

- | Terminal/Tray: 12191819/8
- | Core/Insulation Crimp: E/A
- | Release Tool/Test Probe: 15315247/J-35616-2A (GY)

### Connector Part Information

- | OEM: 13510099
- | Service: 19151499
- | Description: 2-Way M GT 150 Series Sealed (BK)

### Terminal Part Information

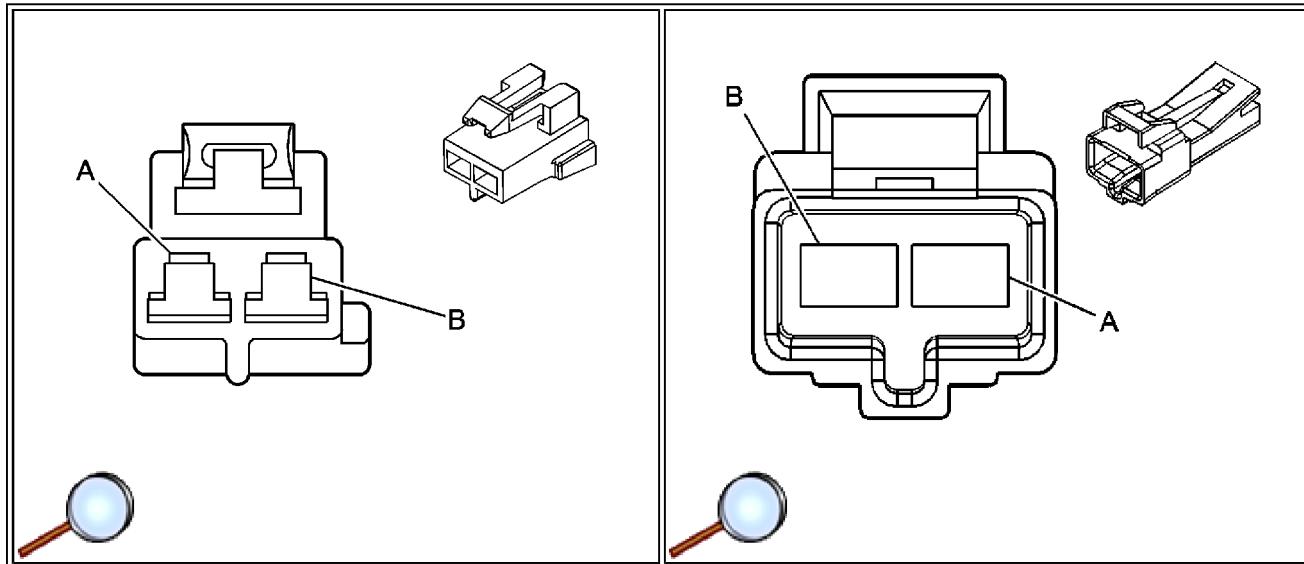
- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X601 Passenger Side Impact Sensor Jumper Harness to Passenger Door Harness (ASF)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	0.5 PU/WH	6628	Low Reference	A	0.5 WH/BK	6629	Low Reference
B	0.5 WH	2132	Side Impact Sensing	B	0.5 D-	2134	Side Impact Sensing



## X901 Defogger Jumper Harness to Left Rear Cargo Door Harness (C49 with A12)



### Connector Part Information

- | OEM: 12064750
- | Service: 12101935
- | Description: CONN 2 F M/P 480 BLK

### Terminal Part Information

- | Terminal/Tray: 12084595/2
- | Core/Insulation Crimp: Pins: A : B/G
- | Core/Insulation Crimp: Pins: B : F/G
- | Release Tool/Test Probe: 12094430/J-35616-40 (BU)

### Connector Part Information

- | OEM: 12064750
- | Service: 12101935
- | Description: 2-Way M Metri-Pack 480 Series (BK)

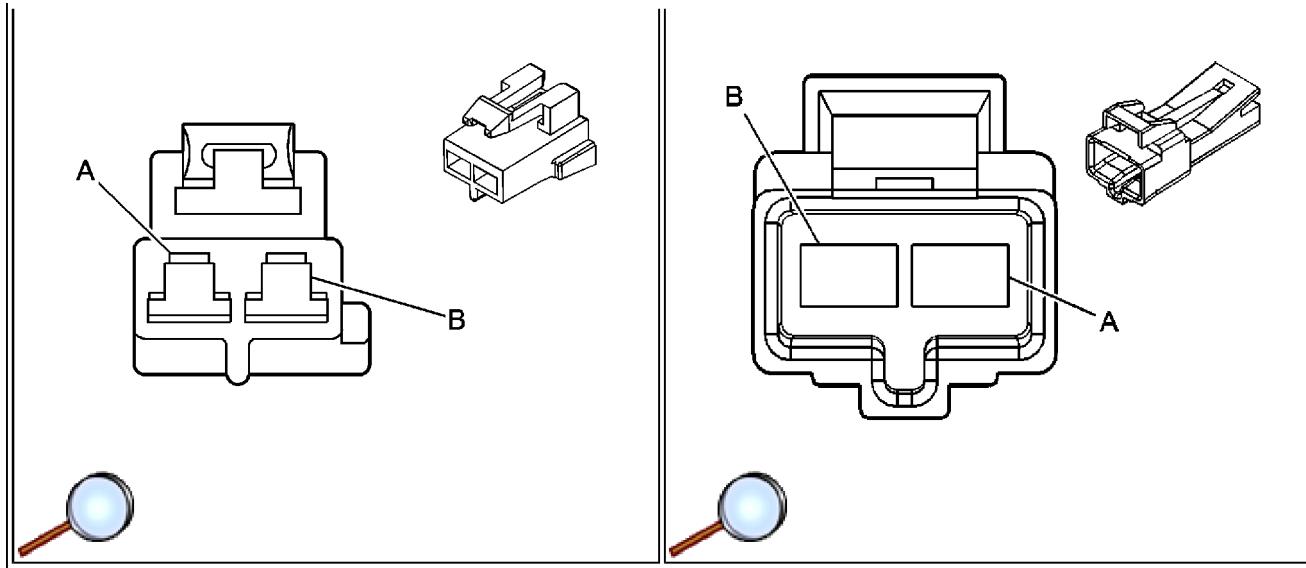
### Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## X901 Defogger Jumper Harness to Left Rear Cargo Door Harness (C49 with A12)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	5 PU	293	Rear Defog Element Control	A	5 PU	293	Rear Defog Element Control
B	3 BK	850	Ground	B	3 BK	850	Ground

## X902 Rear Window Defogger Jumper Harness to Right Rear Cargo Door Harness (C49 with A12)



## Connector Part Information

- | OEM: 12064749
- | Service: 12101888
- | Description: CONN 2 F M/P 480 BLK

## Terminal Part Information

- | Terminal/Tray: 12084595/2
- | Core/Insulation Crimp: Pins: A : B/G
- | Core/Insulation Crimp: Pins: B : F/G
- | Release Tool/Test Probe: 12094430/J-35616-40 (BU)

## X902 Rear Window Defogger Jumper Harness to Right Rear Cargo Door Harness (C49 with A12)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A	5 PU	293	Rear Defog Element Control	A	5 PU	293	Rear Defog Element Control
B	3 BK	1050	Ground	B	3 BK	1050	Ground

## Connector Part Information

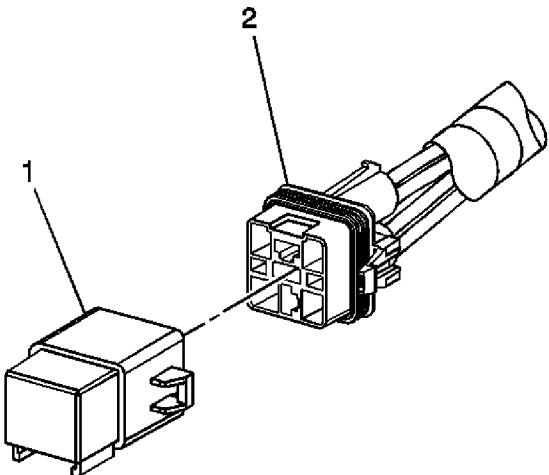
- | OEM: 12064750
- | Service: 12101935
- | Description: 2-Way M Metri-Pack 480 Series (BK)

## Terminal Part Information

- | Terminal/Tray: See Terminal Repair Kit
- | Core/Insulation Crimp: See Terminal Repair Kit
- | Release Tool/Test Probe: See Terminal Repair Kit

## Relay Replacement (Attached to Wire Harness)

### Removal Procedure

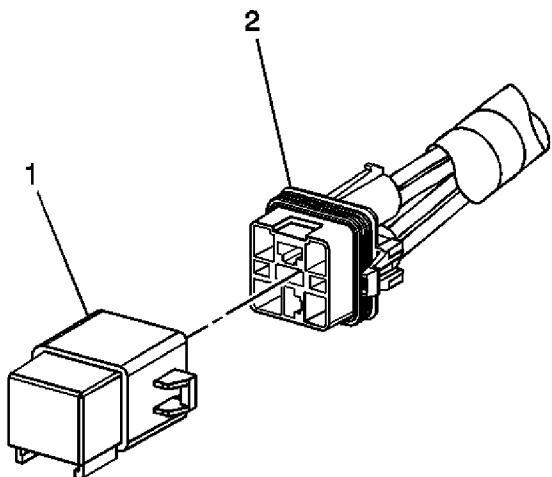


1. Locate the relay. Refer to the [Master Electrical Component List](#) to locate the relay in the vehicle.
2. Remove any fasteners which hold the relay in place.
3. Remove any connector position assurance (CPA) devices or secondary locks.

**Note:** Use care when removing a relay in a wiring harness when the relay is secured by fasteners or tape.

4. Separate the relay (1) from the wire harness connector (2).

### Installation Procedure



1. Connect the relay (1) to the wire harness connector (2).
2. Install any connector position assurance (CPA) devices or secondary locks.
3. Install the relay using any fasteners or tape that originally held the relay in place.

## Relay Replacement (Within an Electrical Center)

### Special Tools

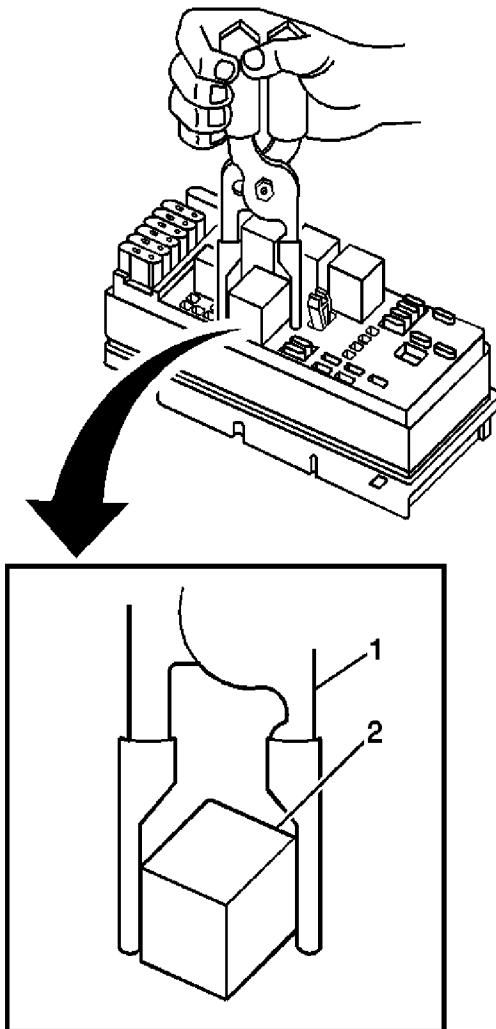
[J 43244](#) Relay Puller Pliers

### Removal Procedure

1. Remove the electrical center cover.
2. Locate the relay. Refer to [Electrical Center Identification Views](#) to locate the electrical center where the relay exists.

**Note:**

- Always note the orientation of the relay.
- If equipped with a notch style relay; observe the location of the notch on the old relay to verify the new relay is installed with the notch in the same location.
- Ensure that the electrical center is secure, as not to put added stress on the wires or terminals.

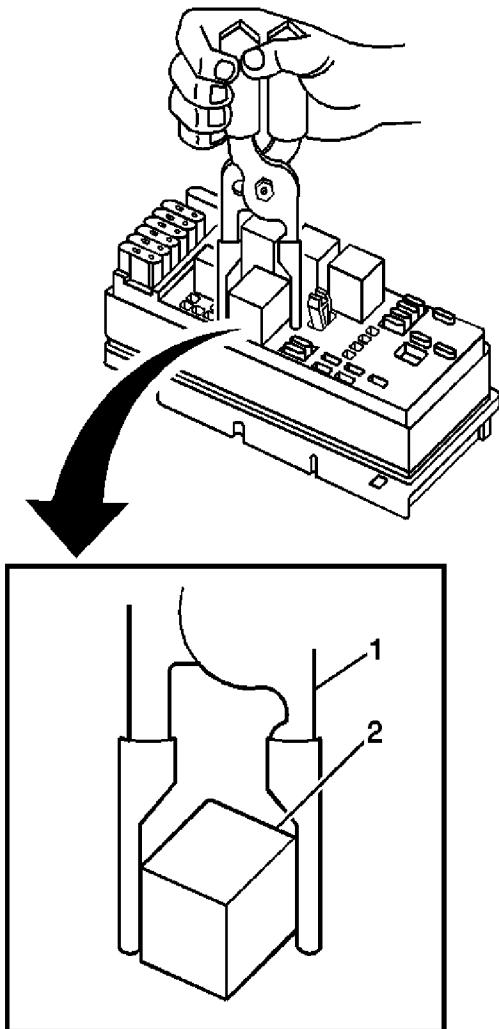


- 3. Using the [J 43244](#) (1) position the tool on opposing corners of the relay (2).

**Caution:** Use J43244 to pull the relay straight out from the electrical center terminals. The use of pliers or a flat bladed tool could damage the electrical center.

- 4. Remove the relay (2) from the electrical center.

## Installation Procedure

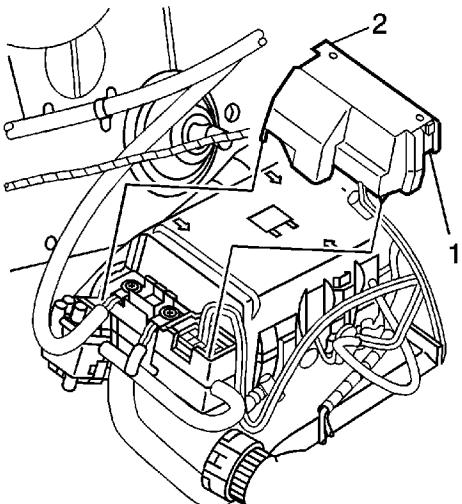


1. Install the relay (2) in the same position as removed.
2. Install the electrical center cover.

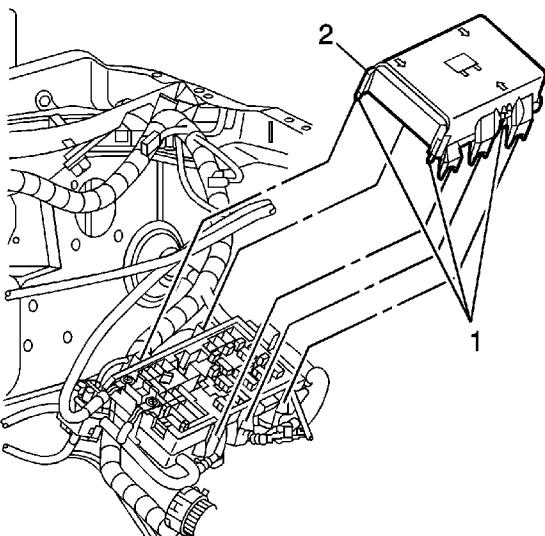
## Accessory Wiring Junction Block Replacement

### Removal Procedure

1. Disconnect the negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#).

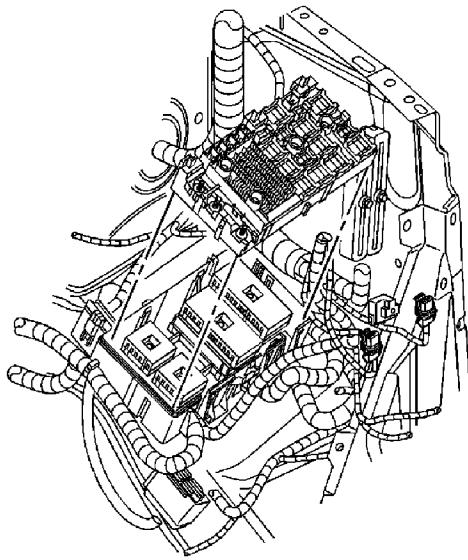


2. Press tabs (1) inward to lift and remove the small junction block cover (2).

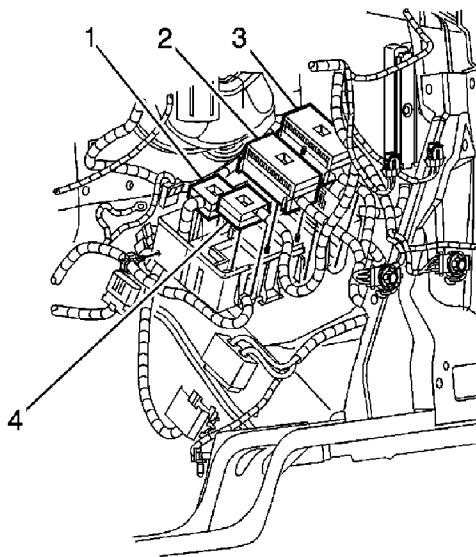


3. Press tabs (1) inward to lift and remove the large junction block cover (2).
4. Note location and remove harness end nuts and remove harness ends from fuse block relay center.

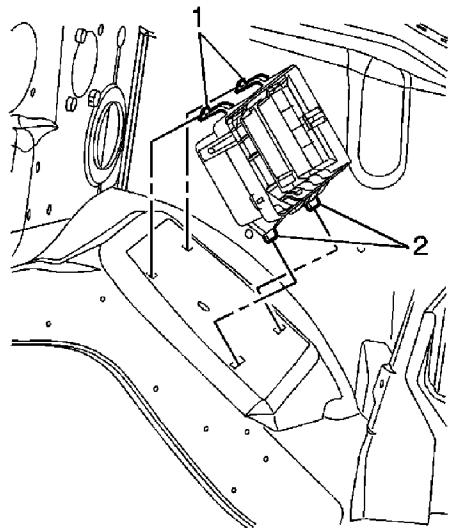
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5. Remove the fuse block center bolts and remove fuse relay center from the junction block.

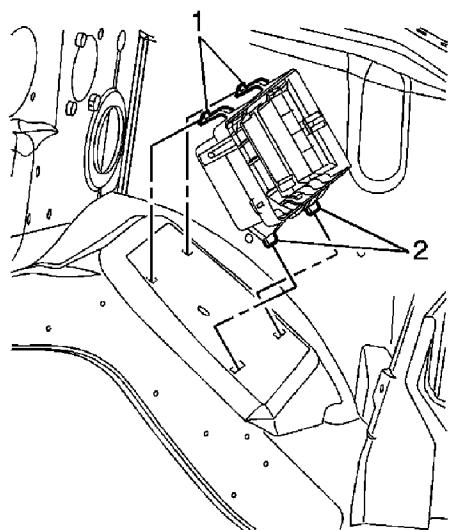


6. Remove from the junction block base the chassis harness (1), the I/P harness (2), the engine harness (3), and the forward LP harness (4).

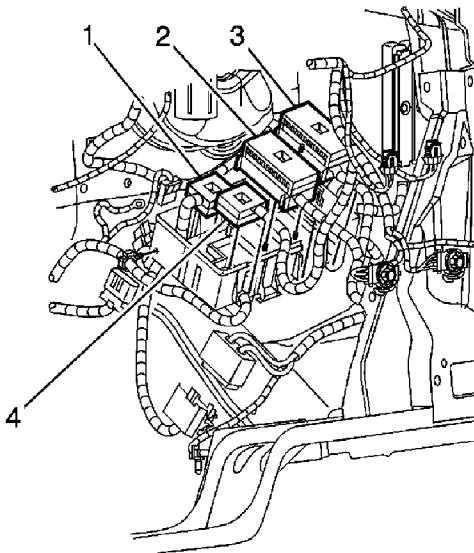


7. Remove the junction block base by pressing tabs (1) then slide tabs (2) out.

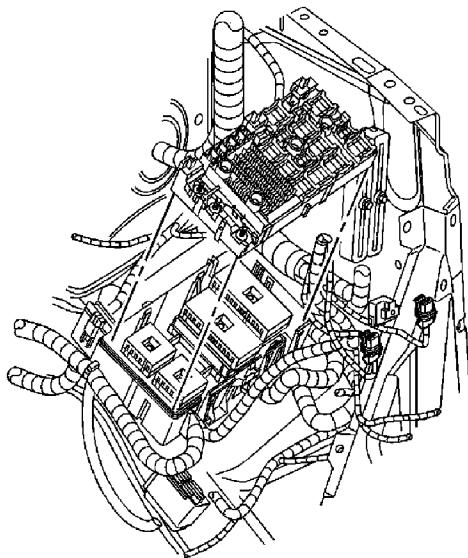
## **Installation Procedure**



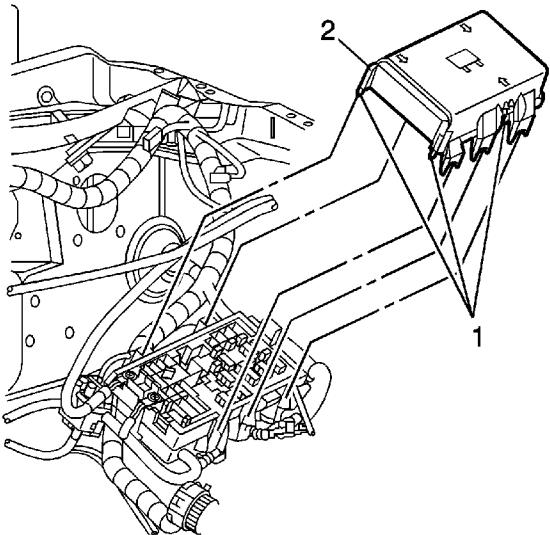
1. Install the junction block base by sliding tabs (2) in and pressing in tabs (1) until they are locked.



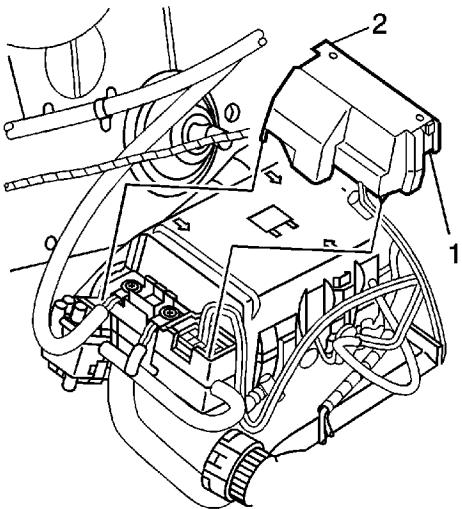
2. Install into the junction block base the chassis harness (1), the I/P harness (2), the engine harness (3), and the forward LP harness (4).



3. Install the fuse relay center into the junction block.  
4. Install the fuse block center bolts.  
5. Install the harness ends on the fuse block relay center.  
6. Install the harness end nuts.



7. Press tabs (1) inward to lift and remove the large junction block cover (2).

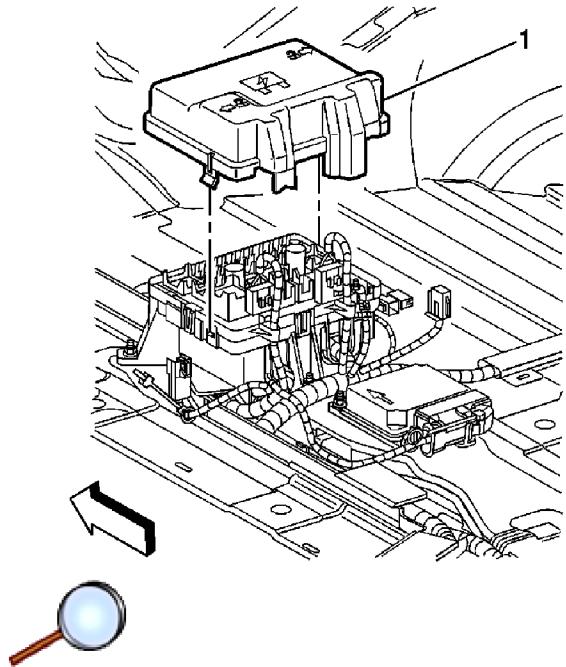


8. Press tabs (1) inward to lift and remove the small junction block cover (2).
9. Connect the negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#).

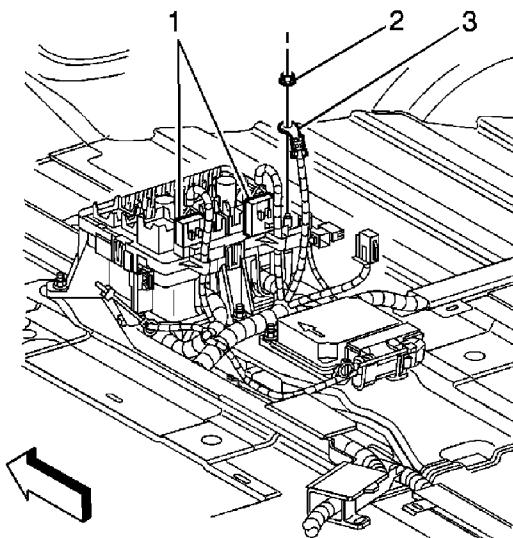
## Body Wiring Harness Junction Block Replacement

### Removal Procedure

**Warning:** Refer to [SIR Warning](#) in the Preface section.

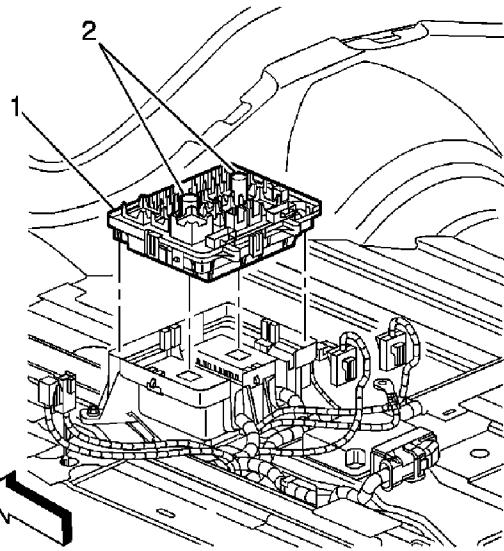


1. Disconnect the battery negative cable. Refer to [Battery Negative Cable Disconnection and Connection](#).
2. Remove the drivers seat. Refer to [Driver or Passenger Seat Replacement](#).
3. Remove the junction block cover (1).

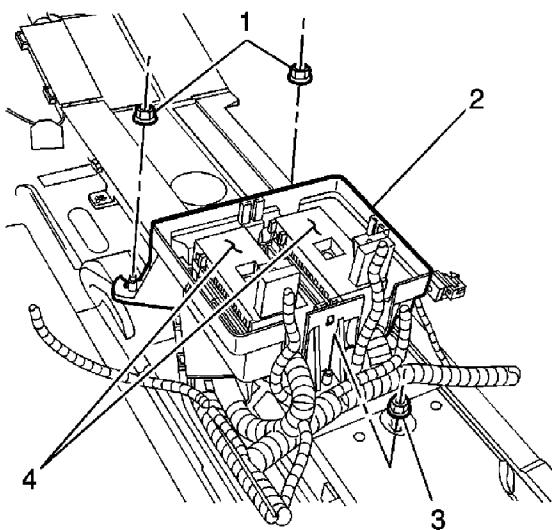




4. Remove the positive battery cable nut (2) from the junction block.
5. Remove the positive battery cable (3) from the junction block.
6. Disconnect the electrical connectors (1) from the junction block, if equipped with YF7.

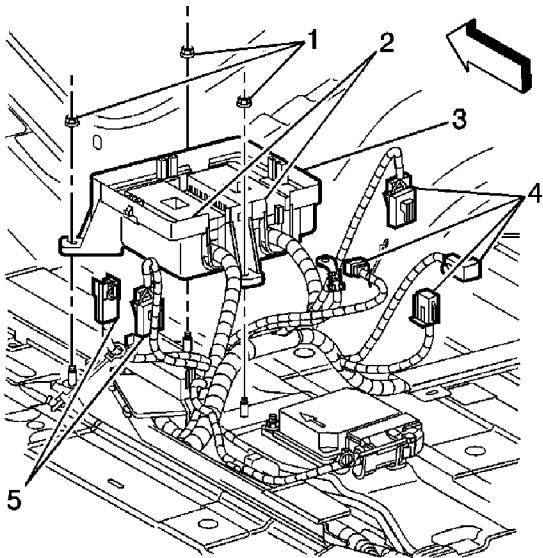


7. Completely loosen the junction block caged bolts (2).
8. Release the tabs that retain the junction block (1) to the junction block base.
9. Remove the junction block (1) from the block base.



10. Remove the junction block base nuts (1, 3).
11. Remove the wiring harness (4) from the junction block base (2).
12. Remove the junction block base (4) from the floor.

## Installation Procedure

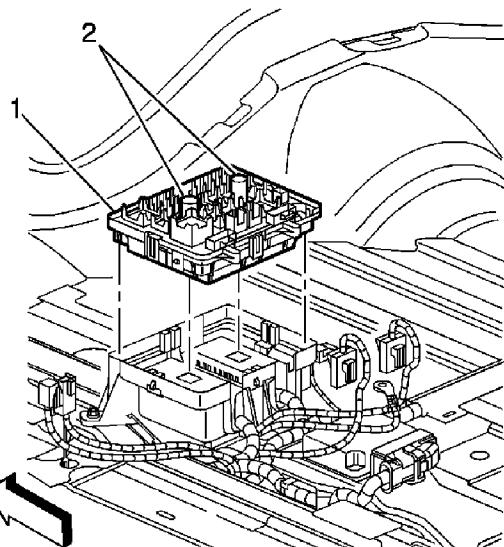


1. Install the wiring harness (2) to the junction block base (3).
2. Install the junction block base (3) to the floor studs.

Ensure the remaining electrical connections (4, 5) are not captured under the junction block base after installations the floor studs.

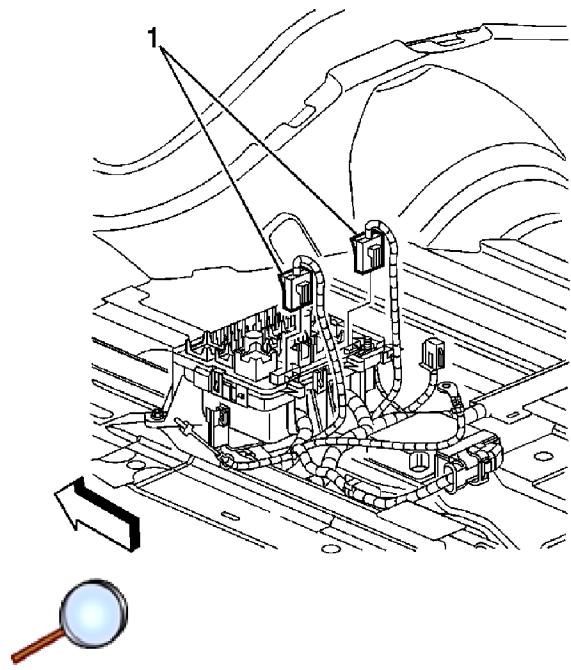
**Caution:** Refer to [Fastener Caution](#) in the Preface section.

3. Install the junction block base nuts (1) to the floor studs and tighten to **5 N·m (44 lb in)**.

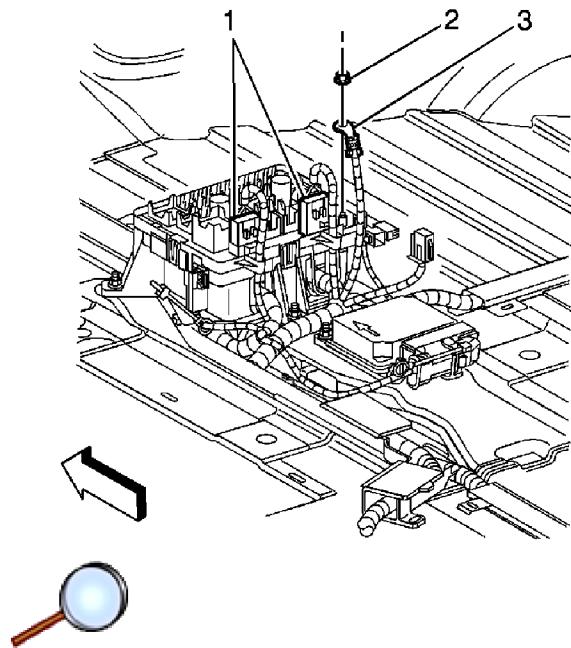


4. Install the junction block (1) to the junction block base.

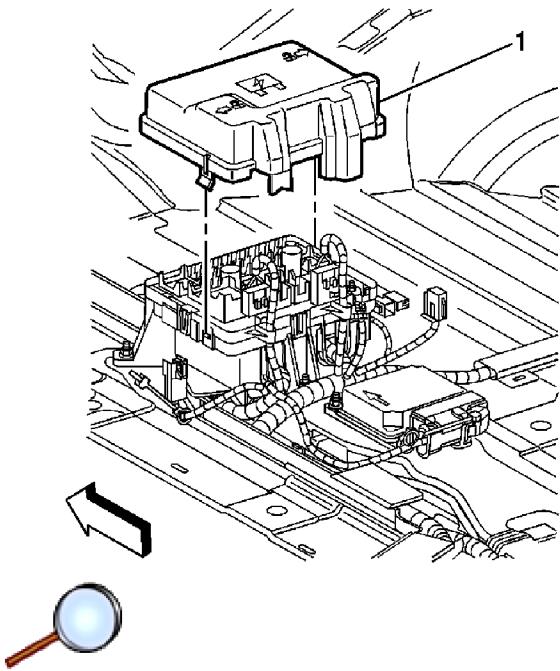
Ensure the retaining tabs are fully seated. Tighten the bolts (2) to **5 N·m (44 lb in)**.



5. Connect the electrical connectors (1), if equipped with YF7.



6. Connect the positive battery cable (3) to the junction block.
7. Install the positive battery cable nut (2) and tighten to **10 N·m (88 lb in)**.



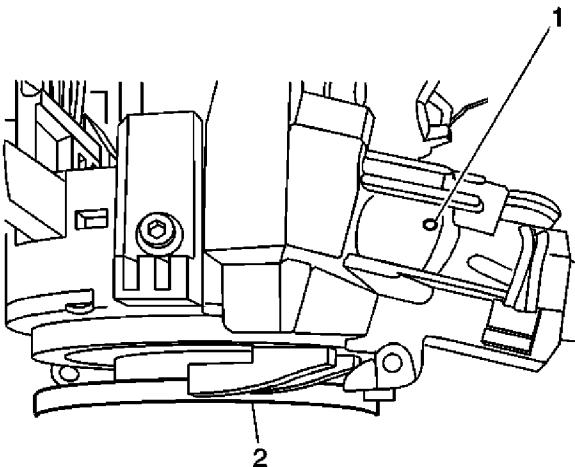
- 8. Install the junction block cover (1).
- 9. Install the drivers seat. Refer to [Driver or Passenger Seat Replacement](#).
- 10. Connect the battery negative cable. Refer to [Battery Negative Cable Disconnection and Connection](#).



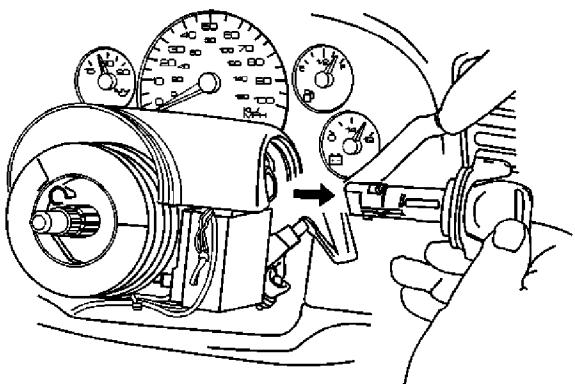
## Ignition Lock Cylinder Replacement

### Removal Procedure

**Warning:** Refer to [Battery Disconnect Warning](#) in the Preface section.

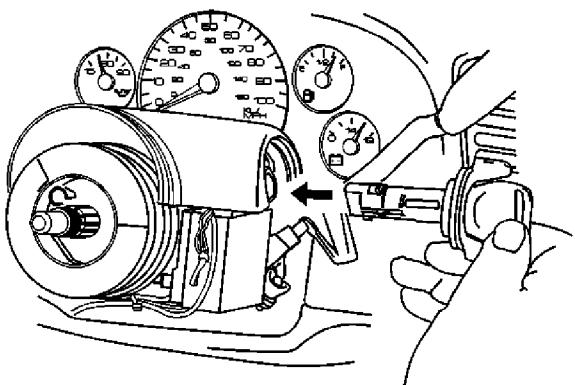


1. Disconnect the battery negative cable. Refer to [Battery Negative Cable Disconnection and Connection](#).
2. Disable the SIR system. Refer to [SIR Disabling and Enabling](#).
3. Remove the steering column trim covers. Refer to [Steering Column Trim Covers Replacement](#).
4. Turn the ignition lock cylinder to the start position.
5. Insert the tip of an awl into the access hole (1) of the ignition lock cylinder.
6. Push down and hold the retaining pin of the ignition lock cylinder.
7. Release the ignition lock cylinder to the run position.



8. Remove the ignition lock cylinder by pulling the cylinder away from the steering column.

## Installation Procedure



1. Install the ignition lock cylinder by performing the following procedure:
  - 1.1. Align the positioning locking tab slot on the lock module to the positioning tab on the ignition lock cylinder.
  - 1.2. Push the lock cylinder in until the tab locks in the lock module.
2. Install the steering column trim covers. Refer to [Steering Column Trim Covers Replacement](#).
3. Enable the SIR system. Refer to [SIR Disabling and Enabling](#).
4. Connect the battery negative cable. Refer to [Battery Negative Cable Disconnection and](#)

[Connection.](#)

5. Perform the Passlock learn procedure. Refer to [Immobilizer System Component Programming](#).

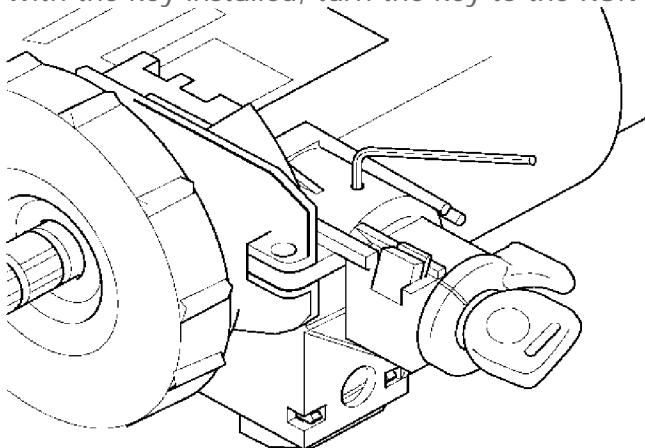
# Ignition and Start Switch Replacement

## Special Tools

[J-42759](#) Ignition Switch Connector Release Tool

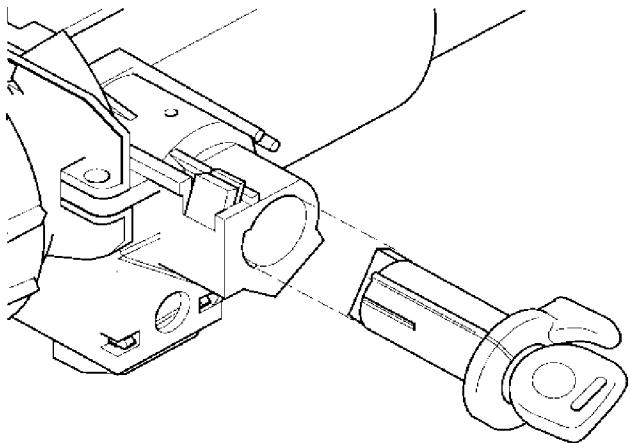
## Removal Procedure

1. Disconnect the negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#).
- Warning:** Refer to [SIR Warning](#) in the Preface section.
2. Disable the SIR system. Refer to [SIR Disabling and Enabling](#).
3. Remove the hush and knee bolster. Refer to [Driver Knee Bolster Bracket Replacement](#).
4. Remove the steering column trim covers. Refer to [Steering Column Trim Covers Replacement](#).
5. With the key installed, turn the key to the RUN position.

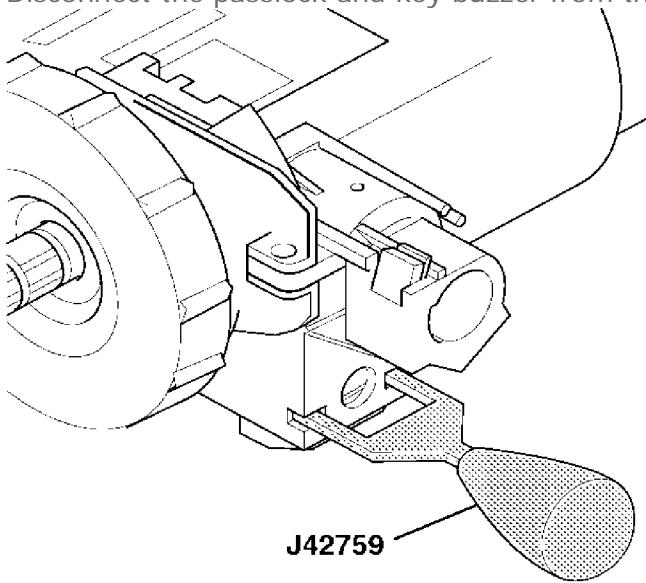


- 6. Install an allen wrench into the hole on top of the lock cylinder housing.

Push down on the allen wrench to release the tab on the lock cylinder inside the lock cylinder housing.

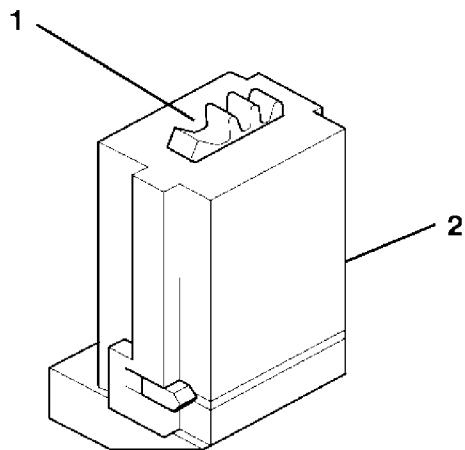


- 7. Slide the lock cylinder out of the lock cylinder housing.
- 8. Disconnect the passlock and key buzzer from the lock cylinder housing.



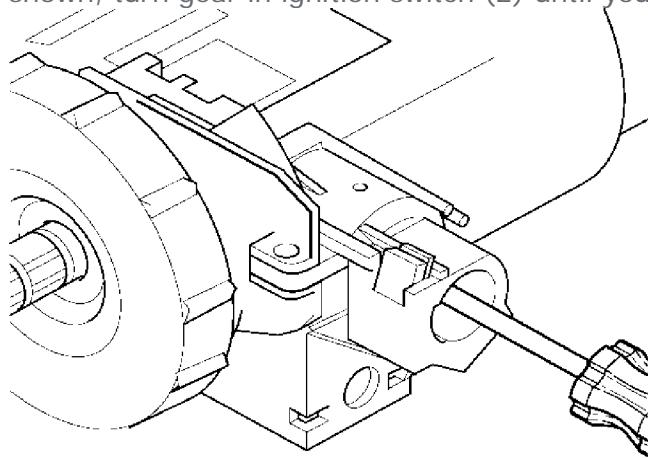
- 9. Insert [J-42759](#) into the lock cylinder housing to release the tabs on the ignition switch.
- 10. Pull the ignition switch out of the lock cylinder housing.
- 11. Disconnect the connector from the ignition switch.

## Installation Procedure

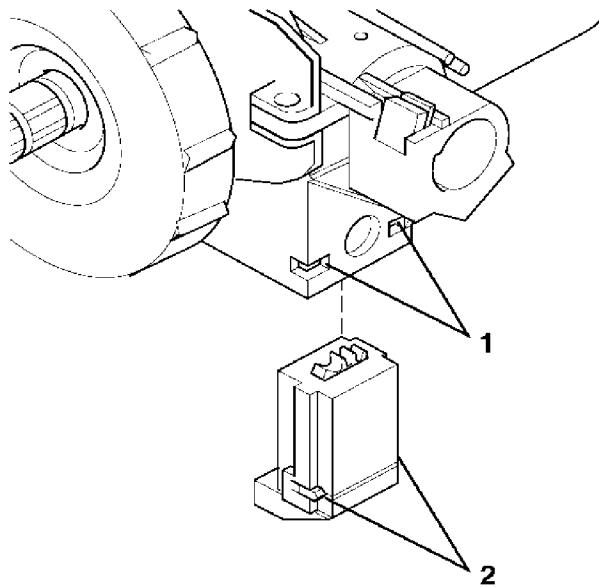


**Note:** The gears between the ignition switch and the lock cylinder housing must be in the correct position. Failure to do so will cause a misalignment of the gears in the ignition switch and the lock cylinder housing, which may result in a NO START or BATTERY DRAIN.

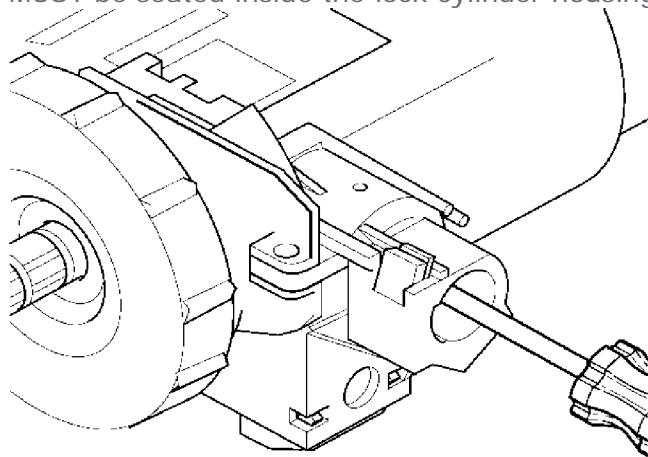
1. Verify the alignment of the gear (1) in the ignition switch (2). If gear (1) not in position shown, turn gear in ignition switch (2) until you reach the correct position.



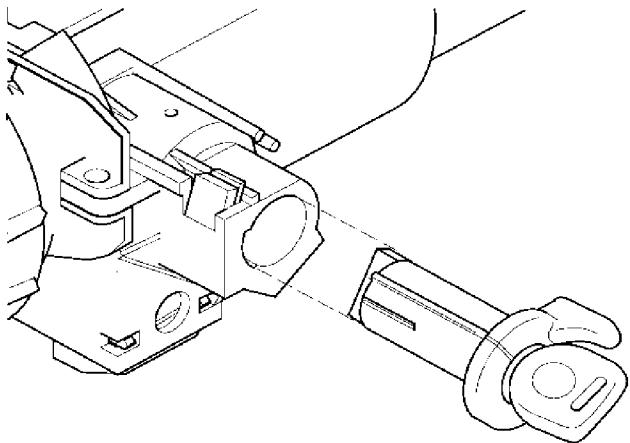
2. Use a screwdriver to rotate the lock cylinder housing gear counterclockwise until it hits a stop.
3. Connect the connector to the ignition switch.



4.  Insert the ignition switch into the lock cylinder housing. The tabs (2) on the ignition switch MUST be seated inside the lock cylinder housing (1) for proper installation.



5.  Use a screwdriver to rotate the lock cylinder housing gear clockwise to the START position allowing it to spring return into the RUN position.



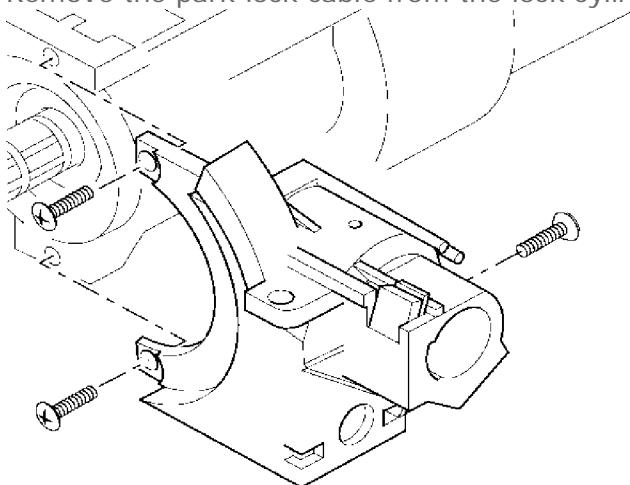
6. Align the lock cylinder and install the lock cylinder into the lock cylinder housing.
7. Connect the passlock and key buzzer into the lock housing.
8. Install the steering column trim covers. Refer to [Steering Column Trim Covers Replacement](#).
9. Install the hush and knee bolster. Refer to [Driver Knee Bolster Bracket Replacement](#).
10. Enable the SIR system. Refer to [SIR Disabling and Enabling](#).
11. Connect the negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#).

## Ignition Lock Cylinder Case Replacement

### Removal Procedure

**Warning:** Refer to [SIR Warning](#) in the Preface section.

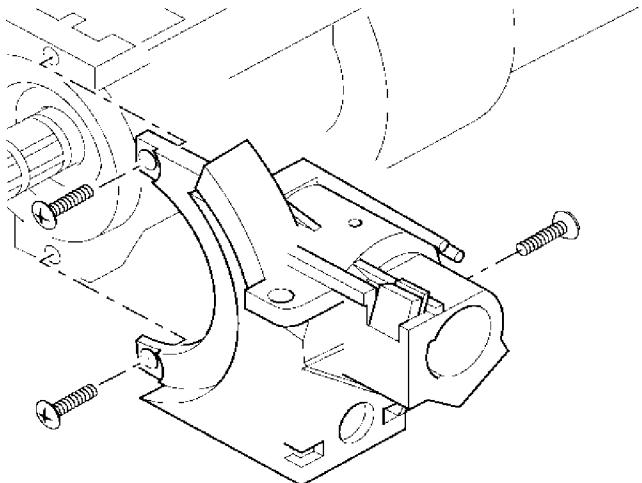
1. Disable the SIR system. Refer to [SIR Disabling and Enabling](#).
2. Remove the ignition switch. Refer to [Ignition and Start Switch Replacement](#).
3. Remove the turn signal cancel cam. Refer to [Steering Column Tilt Head Housing Replacement](#).
4. Remove the park lock cable from the lock cylinder housing.



5. Remove 3 TORX® screws.
6. Remove the lock cylinder housing from the steering column.

### Installation Procedure

**Caution:** Refer to [Fastener Caution](#) in the Preface section.



1. Install 3 TORX® screws into the lock cylinder housing and tighten to **7 N·m (62 lb in)**.
2. Install the turn signal cancel cam. Refer to [Steering Column Tilt Head Housing Replacement](#).
3. Install the park lock cable into the lock cylinder housing.
4. Install the ignition switch. Refer to [Ignition and Start Switch Replacement](#).
5. Enable the SIR system. Refer to [SIR Disabling and Enabling](#).
6. Refer to [Control Module References](#) for programming and setup information.