

2008 Isuzu Ascender LS

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Ascender

BUZZERS, RELAYS & TIMERS

BUZZERS, RELAYS & TIMERS LOCATION

Component	Location
A/C Relay	On underhood fuse block. See Fig. 97 .
AIR SOL Relay	In underhood fuse block. See Fig. 97 .
EAP Relay	In underhood fuse block. See Fig. 97 .
Electronic Adjustable Pedals (EAP) Relay (1)	Left side of dash, on pedal assembly. See Fig. 20 .
FAN Relay	In underhood fuse block. See Fig. 97 .
FOG LAMP Relay	On underhood fuse block. See Fig. 97 .
FUEL PUMP Relay	On underhood fuse block. See Fig. 97 .
HDM Relay	In underhood fuse block. See Fig. 97 .
HEADLAMP WPR Relay	In underhood fuse block. See Fig. 97 .
HI HEADLAMP Relay	In underhood fuse block. See Fig. 97 .
HORN Relay	On underhood fuse block. See Fig. 97 .
LOCK Relay	In rear fuse block. See Fig. 107 .
PARK LP Relay	In rear fuse block. See Fig. 107 .
PWR/TRN Relay	In underhood fuse block. See Fig. 97 .
REAR/WPR Relay	On underhood fuse block. See Fig. 97 .
RR FOG LP Relay	In rear fuse block. See Fig. 107 .
Secondary Air Injection (AIR) Pump Relay	Left front of chassis. See Fig. 32 .
STRTR Relay	On underhood fuse block. See Fig. 97 .
UNLOCK Relay	On rear fuse block. See Fig. 107 .
WSW Relay	On underhood fuse block. See Fig. 97 .

CIRCUIT PROTECTION DEVICES

CIRCUIT PROTECTION DEVICES LOCATION

Component	Location
Rear Fuse Block	Below left rear seat. See Fig. 85 .
Underhood Fuse Block	Above left front wheelwell. See Fig. 1 .

CONTROL UNITS

CONTROL UNITS LOCATION

Component	Location
Blower Motor Control Module	Below right side of dash. See Fig. 50 .

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Body Control Module (BCM)	Beneath left rear seat, on rear fuse block. See <u>Fig. 85.</u>
Driver Door Module (DDM)	Below driver's door switch panel.
Electronic Brake Control Module (EBCM)	On inner left frame rail, beside transmission. See <u>Fig. 110.</u>
Engine Control Module (ECM)	Near lower left front of engine. See <u>Fig. 64.</u>
Front Passenger Door Module (FPDM)	Below front passenger door switch panel.
HVAC Control Module (Automatic A/C)	Center of dash. See <u>Fig. 70.</u>
HVAC Control Module-Auxiliary (2)	Under lower console. See <u>Fig. 55.</u>
HVAC Control Module (Manual A/C)	Center of dash. See <u>Fig. 8.</u>
Inflatable Restraint Front Passenger Presence System (PPS) Module	Under passenger seat. See <u>Fig. 73.</u>
Inflatable Restraint I/P Module	Left side of dash. See <u>Fig. 17.</u>
Inflatable Restraint Roof Rail Module - Left	In roof above driver door.
Inflatable Restraint Roof Rail Module - Right	In roof, above front passenger's door.
Inflatable Restraint Sensing & Diagnostic Module (SDM)	Below rear of center console. See <u>Fig. 19.</u>
Inflatable Restraint Steering Wheel Module	In steering wheel. See <u>Fig. 18.</u>
Liftgate Module (LGM) (10)	In center of liftgate. See <u>Fig. 23.</u>
Memory Seat Module (Driver)	Below left front seat. See <u>Fig. 82.</u>
Powertrain Control Module (PCM)	On upper left side of engine. See <u>Fig. 66.</u>
Regulated Voltage Control Module	Behind battery. See <u>Fig. 49.</u>
Theft Deterrent Control Module	In steering column. See <u>Fig. 89.</u>
Transfer Case Shift Control Module	Behind lower left side of dash. See <u>Fig. 90.</u>
Transmission Control Module (TCM)	Left front of engine. See <u>Fig. 91.</u>
Turn Signal/Hazard Flasher Module (1)	Behind lower left side of dash. See <u>Fig. 57.</u>
Vehicle Communication Interface Module (VCIM)	Under right rear seat. See <u>Fig. 21.</u>

MOTORS**MOTORS LOCATION**

Component	Location
Air Suspension Compressor Assembly	Behind right rear wheelwell. See <u>Fig. 10.</u>
Air Temperature Actuator (Left)	Below left center of dash. See <u>Fig. 6.</u>
Air Temperature Actuator (Right)	Behind right center of dash. See <u>Fig. 6.</u>
Automatic Transmission Shift Lock Actuator	In floor shifter. See <u>Fig. 14.</u>
Blower Motor	Below right side of dash. See <u>Fig. 50.</u>
Console Mode Actuator (Auxiliary) (4)	Under lower console. See <u>Fig. 55.</u>
Cooling Fan (1)	Front of engine. See <u>Fig. 56.</u>
Defrost Actuator	On upper dash carrier. See <u>Fig. 6.</u>
Door Latch Assembly (Driver)	In left front door. See <u>Fig. 59.</u>

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Door Latch Assembly (Left Rear)	In left rear door. See <u>Fig. 61.</u>
Door Latch Assembly (Passenger)	In right front door. See <u>Fig. 60.</u>
Door Latch Assembly (Right Rear)	In right rear door. See <u>Fig. 62.</u>
Front Axle Actuator	On inner flange of right front axle. See <u>Fig. 11.</u>
Fuel Pump & Sender Assembly	Top of fuel tank. See <u>Fig. 28.</u>
Headlamp Leveling Actuator (Left)	Behind left headlight. See <u>Fig. 67.</u>
Headlamp Leveling Actuator (Right)	Behind right headlight. See <u>Fig. 68.</u>
Headlamp Washer Fluid Pump	Right front of engine compartment. See <u>Fig. 24.</u>
Ignition Lock Cylinder Control Actuator (4)	In upper steering column. See <u>Fig. 71.</u>
Liftgate Latch Assembly (13)	In liftgate assembly. See <u>Fig. 23.</u>
Lumbar Horizontal Motor (Driver)	In driver seat back. See <u>Fig. 80.</u>
Lumbar Horizontal Motor (Passenger)	In passenger seat back. See <u>Fig. 81.</u>
Mode Actuator	Behind upper left center of dash. See <u>Fig. 6.</u>
Rear Blower Motor (1)	Under center of dash. See <u>Fig. 33.</u>
Rear Window Washer Fluid Pump	On washer fluid reservoir. See <u>Fig. 24.</u>
Rear Window Wiper Motor (15)	Inside tailgate. See <u>Fig. 23.</u>
Recirculation Actuator	On right side of dash. See <u>Fig. 7.</u>
Seat Front Vertical Motor (Driver)	Under driver seat. See <u>Fig. 75.</u>
Seat Front Vertical Motor (Passenger)	Under passenger seat. See <u>Fig. 76.</u>
Seat Horizontal Motor (Driver)	Under driver seat. See <u>Fig. 75.</u>
Seat Horizontal Motor (Passenger)	Under passenger seat. See <u>Fig. 76.</u>
Seat Rear Vertical Motor (Driver)	Under driver seat. See <u>Fig. 75.</u>
Seat Rear Vertical Motor (Passenger)	Under passenger seat. See <u>Fig. 76.</u>
Seat Recline Motor (Driver)	Under driver seat. See <u>Fig. 75.</u>
Seat Recline Motor (Passenger)	Under passenger seat. See <u>Fig. 76.</u>
Secondary Air Injection (AIR) Pump	Left front of chassis, near electronic brake control module. See <u>Fig. 32.</u>
Starter (4.2L)	Left rear of engine. See <u>Fig. 29.</u>
Sunroof Motor	Above headliner, at rear of sun roof assembly. See <u>Fig. 87.</u>
Transfer Case Encoder Motor (22)	Part of transfer case. See <u>Fig. 36.</u>
Window Motor (Driver)	In left front door. See <u>Fig. 59.</u>
Window Motor (Front Passenger)	In right front door. See <u>Fig. 60.</u>
Window Motor (Left Rear)	In left rear door. See <u>Fig. 61.</u>
Window Motor (Right Rear)	In right rear door. See <u>Fig. 62.</u>
Windshield Washer Fluid Pump	On washer fluid reservoir. See <u>Fig. 24.</u>
Windshield Wiper Motor	On upper center of firewall. See <u>Fig. 25.</u>

SENDING UNITS & SENSORS

SENDING UNITS & SENSORS LOCATION

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Component	Location
Accelerator Pedal Position (APP) Sensor (4)	Above accelerator pedal, on bracket. See <u>Fig. 20.</u>
A/C Refrigerant Pressure Sensor	On high pressure line, near A/C compressor. See <u>Fig. 43.</u>
Air Suspension Sensor-LR	On frame rail, near left rear suspension arm. See <u>Fig. 10.</u>
Air Suspension Sensor-RR	On frame rail, near right rear suspension arm. See <u>Fig. 10.</u>
Air Temperature Sensor (Inside)	In left "B" pillar. See <u>Fig. 44.</u>
Air Temperature Sensor (Lower Left)	Left of lower console, in air duct. See <u>Fig. 47.</u>
Air Temperature Sensor (Lower Right)	In right lower console, in air duct. See <u>Fig. 45.</u>
Air Temperature Sensor (Upper Left)	Left center of dash, in air duct. See <u>Fig. 46.</u>
Air Temperature Sensor (Upper Right)	Right center of dash, in air duct. See <u>Fig. 46.</u>
Ambient Air Temperature Sensor	On left center of radiator support. See <u>Fig. 9.</u>
Ambient Light Sensor	On top center of dash. See <u>Fig. 48.</u>
Ambient Light/Sun Load Sensor	On top center of dash, near base of windshield. See <u>Fig. 48.</u>
Brake Booster Vacuum Sensor	On power brake booster. See <u>Fig. 26.</u>
Camshaft Position (CMP) Sensor	On right front of engine block. See <u>Fig. 52.</u>
Crankshaft Position (CKP) Sensor	On left rear of engine block, below starter. See <u>Fig. 29.</u>
Electronic Frontal Sensor (EFS) - Left	On left side of frame, at front of vehicle. See <u>Fig. 63.</u>
Electronic Frontal Sensor (EFS) - Right	On right side of frame, at front of vehicle. See <u>Fig. 63.</u>
Engine Coolant Temperature (ECT) Sensor	Lower right rear of engine block. See <u>Fig. 65.</u>
Engine Oil Pressure (EOP) Sensor	At rear of engine.
Fuel Tank Pressure (FTP) Sensor	At top left rear of fuel tank. See <u>Fig. 28.</u>
Heated Oxygen Sensor (HO2S) 1	On exhaust manifold, on right side of engine. See <u>Fig. 52.</u>
Heated Oxygen Sensor (HO2S) 2	Downstream of catalytic converter, on exhaust pipe. See <u>Fig. 31.</u>
Inclination Sensor	Under right rear seat. See <u>Fig. 72.</u>
Inflatable Restraint Front Passenger Presence System (PPS) Sensor	Under passenger seat. See <u>Fig. 73.</u>
Inflatable Restraint Passenger Seat Belt Tension Retractor Sensor	Integral to passenger seat bet retractor. See <u>Fig. 74.</u>
Inflatable Restraint Seat Position Sensor (SPS) - Left	On left front outboard seat track. See <u>Fig. 75.</u>
Inflatable Restraint Seat Position Sensor (SPS) - Right	On right front outboard seat track. See <u>Fig. 76.</u>
Inflatable Restraint Side Impact Sensor (SIS) - Left	In left front door, near door latch. See <u>Fig. 77.</u>

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Inflatable Restraint Side Impact Sensor (SIS) - Right	In right front door, near door latch. See <u>Fig. 78.</u>
Input Speed Sensor (ISS) Assembly	Inside automatic transmission. See <u>Fig. 40.</u>
Intrusion Sensor 1	Part theft deterrent module.
Intrusion Sensor 2	Part of theft deterrent module.
Knock Sensor (KS) 1 - Left (2)	Lower left side of engine. See <u>Fig. 79.</u>
Knock Sensor 1 - Front	On lower left front of engine block. See <u>Fig. 29.</u>
Knock Sensor 2 - Rear	On lower left rear of engine block. See <u>Fig. 29.</u>
Lumbar Horizontal Position Sensor (Driver)	In driver seat back. See <u>Fig. 80.</u>
Manifold Absolute Pressure (MAP) Sensor	On upper left side of engine. See <u>Fig. 65.</u>
Mass Airflow (MAF)/Intake Air Temperature (IAT) Sensor	In air intake duct. See <u>Fig. 52.</u>
Passlock Sensor	In steering column.
Propshaft Speed Sensor - Front (4)	On left front of transfer case. See <u>Fig. 84.</u>
Propshaft Speed Sensor - Rear (2)	On right rear of transfer case. See <u>Fig. 84.</u>
Rollover Sensor	Under middle rear floor carpet. See <u>Fig. 85.</u>
Seat Position Sensor (Front)	Under driver seat. See <u>Fig. 75.</u>
Seat Position Sensor (Horizontal)	Under driver seat. See <u>Fig. 75.</u>
Seat Position Sensor (Rear)	Under driver seat. See <u>Fig. 75.</u>
Seat Position Sensor (Recline)	Under driver seat. See <u>Fig. 75.</u>
Steering Wheel Speed/Position Sensor	At base of steering column.
VSS Sensor	On left rear of transfer case. See <u>Fig. 16.</u>
Wheel Speed Sensor - LF	On left front wheel hub assembly. See <u>Fig. 13.</u>
Wheel Speed Sensor - RF	On right front wheel hub assembly. See <u>Fig. 13.</u>
Wheel Speed Sensor (WSS) - LR	Attached to left rear wheel hub.
Wheel Speed Sensor (WSS) - RR	Attached right rear wheel hub.
Yaw Rate & Lateral Acceleration Sensor	Below front passenger's seat. See <u>Fig. 93.</u>

SOLENOIDS & SOLENOID VALVES

SOLENOIDS & SOLENOID VALVES LOCATION

Component	Location
A/C Compressor Clutch	On A/C compressor. See <u>Fig. 41.</u>
Camshaft Actuator Solenoid Assembly	On right front of cylinder head. See <u>Fig. 52.</u>
Evaporative Emission (EVAP) Canister Purge Solenoid	Lower left side of engine. See <u>Fig. 29.</u>
Evaporative Emission (EVAP) Canister Vent Solenoid	At rear of fuel tank. See <u>Fig. 28.</u>
Fuel Injector 1	Top of engine. See <u>Fig. 30.</u>
Fuel Injector 2	Top of engine. See <u>Fig. 30.</u>
Fuel Injector 3	Top of engine. See <u>Fig. 30.</u>

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Fuel Injector 4	Top of engine. See Fig. 30.
Fuel Injector 5	Top of engine. See Fig. 30.
Fuel Injector 6	Top of engine. See Fig. 30.
Pressure Control (PC) Solenoid Valve	Inside automatic transmission assembly. See Fig. 40.
Secondary Air Injection (AIR) Solenoid	Upper right side of engine. See Fig. 86.
Torque Converter Clutch Pulse Width Modulation (TCC PWM) Solenoid Valve	Inside automatic transmission assembly. See Fig. 40.
Torque Converter Clutch (TCC) Solenoid Valve	Inside automatic transmission valve body. See Fig. 40.
Torque Converter Clutch (TCC) Solenoid Valve	Inside transmission assembly. See Fig. 40.
1-2 Shift Solenoid (SS) Valve	Inside automatic transmission assembly. See Fig. 40.
2-3 Shift Solenoid (SS) Valve	Inside automatic transmission assembly. See Fig. 40.
3-2 Shift Solenoid (SS) Valve Assembly	Inside automatic transmission assembly. See Fig. 40.

SWITCHES

SWITCHES LOCATION

Component	Location
A/C Low Pressure Switch	At right rear of engine compartment, on accumulator. See Fig. 42.
Air Suspension Inflator Switch	On right side of cargo area, on trim panel. See Fig. 10.
Automatic Transmission Fluid Pressure (TFP) Manual Valve Position Switch	Inside automatic transmission assembly. See Fig. 40.
Brake Fluid Level Switch	On brake master cylinder fluid reservoir. See Fig. 51.
Engine Oil Pressure (EOP) Switch	At lower right of engine block. See Fig. 52.
Ignition Key Alarm Switch (3)	In steering column. See Fig. 71.
Ignition Switch (6)	In steering column. See Fig. 71.
Intrusion Sensor Disable Switch	Part of theft deterrent module.
Liftgate Ajar Switch (8)	In liftgate. See Fig. 23.
Park Brake Switch	On parking brake assembly. See Fig. 12.
Park/Neutral Position (PNP) Switch	On lower left side of transmission. See Fig. 83.
Stop Lamp Switch	On brake pedal assembly. See Fig. 27.
Windshield Washer Fluid Level Switch	Mounted on windshield washer fluid reservoir. See Fig. 24.

MISCELLANEOUS

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MISCELLANEOUS LOCATION

Component	Location
Audio Amplifier	On right side of cargo area, behind trim panel. See Fig. 22.
Battery	Left front of engine compartment. See Fig. 49.
Blower Motor Resistor Assembly	Below right side of dash, near blower motor. See Fig. 109.
Cellular Microphone	In overhead console. See Fig. 54.
Data Link Connector (DLC) (3)	On bottom left side of dash. See Fig. 57.
Digital Radio Receiver	Right side of dash, behind glove box. See Fig. 58.
Electronic Adjustable Pedal (EAP) Assembly (3)	On pedals assembly. See Fig. 20.
Generator	Left front of engine. See Fig. 66.
Heated Seat Element (Driver Seat Back)	Behind seat back upholstery.
Heated Seat Element (Driver Seat Cushion)	Behind seat cushion upholstery.
Heated Seat Element (Passenger Seat Back)	Behind seat back upholstery.
Heated Seat Element (Passenger Seat Cushion)	Behind seat cushion upholstery.
Horn Assembly	Lower left front of radiator support. See Fig. 69.
Ignition Coil 1	Top of engine. See Fig. 30.
Ignition Coil 2	Top of engine. See Fig. 30.
Ignition Coil 3	Top of engine. See Fig. 30.
Ignition Coil 4	Top of engine. See Fig. 30.
Ignition Coil 5	Top of engine. See Fig. 30.
Ignition Coil 6	Top of engine. See Fig. 30.
Inflatable Restraint Steering Wheel Module Coil	In steering wheel column.
Rear Blower Resistor (3)	Attached to rear blower motor. See Fig. 33.
Seat Belt Pretensioner - Left	Under left front of seat, part of retractor. See Fig. 80.
Seat Belt Pretensioner - Right	Under right front of seat, part of retractor. See Fig. 81.
Theft Deterrent Alarm	Attached to rear frame, above spare tire. See Fig. 88.
Throttle Body	Front of intake duct. See Fig. 65.
Trailer Connector	Under center of rear bumper. See Fig. 108.
Valve Lifter Oil Manifold (VLOM) Assembly	At top rear of engine. See Fig. 92.

CONNECTORS

CONNECTORS LOCATION

Component	Location
X100 (Black, 12 Pin) (9)	I/P harness to engine harness, in underhood compartment, to left of engine. See Fig. 34.
	I/P harness to chassis harness, in underhood

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X101 (Black, 38 Pin) (1)	compartment, to right of underhood fuse block. See <u>Fig. 34.</u>
X102 (Gray, 4 Pin) (4)	Near left headlight assembly. See <u>Fig. 35.</u>
X103 (Gray, 4 Pin) (18)	Near right headlight assembly. See <u>Fig. 35.</u>
X104 (Black, 8 Pin) (3)	At rear of engine, near coil No. 6. See <u>Fig. 94.</u>
X105 (Black, 10 Pin) (6)	Forward lamp harness to I/P harness, underhood compartment, near underhood fuse block. See <u>Fig. 34.</u>
X106 (Black, 2 Pin)	I/P harness to chassis harness.
X107 (Black, 38 Pin) (5)	I/P harness to engine harness, in underhood compartment, near X101. See <u>Fig. 34.</u>
X110 (Black, 3 Pin) (2)	Left front of engine block, below camshaft position sensor. See <u>Fig. 53.</u>
X111 (Black, 6 Pin)	I/P harness to body harness, in rear floor area, near X304.
X118 (Black, 6 Pin) (6)	On upper left of fan shroud. See <u>Fig. 35.</u>
X175 (20 Pin) (2)	Engine harness to automatic transmission harness, on right side of transmission. See <u>Fig. 15.</u>
X201 (Black, 48 Pin) (24)	Steering column harness to I/P harness, lower part of steering column. See <u>Fig. 95.</u>
X202 (Black, 4 Pin) (8)	I/P harness to body harness, lower right side of dash. See <u>Fig. 95.</u>
X203 (Yellow, 4 Pin) (9)	I/P harness to body harness, lower right side of dash. See <u>Fig. 95.</u>
X204 (Black, 4 Pin) (2)	I/P harness to auxiliary blower motor harness, below center of dash. See <u>Fig. 33.</u>
X225 (Black, 10 pin) (2)	On brake pedal assembly. See <u>Fig. 20.</u>
X275 (Yellow, 4 Pin) (25)	At steering column. See <u>Fig. 95.</u>
X300 (Black, 8 Pin) (12)	Right of floor shifter. See <u>Fig. 95.</u>
X304 (Blue, 40 Pin) (17)	I/P harness to body harness, under carpet, rear floor area. See <u>Fig. 95.</u>
X305 (Black, 16 Pin) (6)	Overhead console harness to headliner harness, inside upper console. See <u>Fig. 96.</u>
X306 (Black, 16 Pin)	Body harness to headliner harness, under carpet, at rear floor area.
X307 (Gray, 18 Pin) (4)	Beneath lower console. See <u>Fig. 39.</u>
X308 (Black, 6 Pin) (2)	Headliner harness to sun roof harness, above left rear door. See <u>Fig. 96.</u>
X310 (Black, 2 Pin) (5)	Chassis harness to engine harness, near transfer case. See <u>Fig. 84.</u>
X311 (Black, 4 Pin) (18)	Body harness to seat harness, lower front of driver's seat. See <u>Fig. 38.</u>
X314 (Black, 16 Pin) (20)	Body harness to seat harness, lower front of

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	passenger seat. See Fig. 38.
X317 (Yellow, 2 Pin) (2)	Under driver's seat pretensioner. See Fig. 98.
X318 (Yellow, 2 Pin) (2)	Under passenger's seat pretensioner. See Fig. 99.
X500 (Black, 12 Pin) (1)	Body harness to left front door harness, at midpoint of leading edge of door. See Fig. 100.
X600 (Black, 12 Pin) (6)	Body harness to right front door harness, at midpoint of leading edge of door. See Fig. 101.
X700 (Natural, 17 Pin) (1)	Body harness to left rear door harness, at midpoint of leading edge of door. See Fig. 61.
X800 (Natural, 17 Pin) (1)	Body harness to right rear door harness, at midpoint of leading edge of door. See Fig. 62.
X900 (Black, 6 Pin) (4)	Body harness to liftgate harness, at top of liftgate. See Fig. 23.
X901 (Light Gray, 2 Pin) (11)	Liftgate harness to license lamp harness, inside liftgate. See Fig. 23.
X904 (Black, 1 Pin) (5)	At top left of liftgate. See Fig. 23.
X905 (Black, 1 Pin) (2)	At top right of liftgate. See Fig. 23.

GROUNDS

GROUNDS LOCATION

Component	Location
G101	Left side of engine compartment, near front of underhood fuse block. See Fig. 102.
G102	Left side of engine compartment, near rear of underhood fuse block. See Fig. 2.
G103 (13)	Left front of engine compartment, on left side of radiator support. See Fig. 35.
G104	On underside of hood, near underhood compartment lamp. See Fig. 2.
G105	In engine compartment, on firewall, near I/P harness pass-through. See Fig. 2.
G106	On engine side of left front wheelwell. See Fig. 102.
G107	On lower left side of engine. See Fig. 103.
G108	On lower left side of engine. See Fig. 103.
G109	On lower left side of engine. See Fig. 103.
G110	On lower left side of engine. See Fig. 103.
G201	Ground splice pack, near right front of lower console.
G302	On lower left "B" pillar. See Fig. 3.
G303	On lower right "B" pillar.
G304	On outside of left frame rail, near electronic brake control module. See Fig. 4.

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G305	On outside of left frame rail, near fuel tank. See Fig. 5.
G306	On body panel, rear of left rear door. See Fig. 104.
G401	On lower left "D" pillar. See Fig. 105.
G402	On lower right "D" pillar.
G403	On left side of rear frame crossmember. See Fig. 106.

SPLICES

SPLICES LOCATION

Component	Location
JX201 (24)	At lower right front of lower console. See Fig. 37.
JX205 (20)	Behind left side of dash, near headlight switch connector. See Fig. 37.
JX306 (1)	In body harness, under right rear seat. See Fig. 38.
J103 (12)	In forward lamp harness, 8 cm from rear washer pump motor breakout. See Fig. 35.
J104 (11)	In forward lamps harness, 6 cm before breakout to right side marker, cornering & park lamps. See Fig. 35.
J106 (24)	In forward lamps harness, 5.5 cm before breakout to left side marker, cornering & park lamps. See Fig. 35.
J107 (22)	In forward lamp harness, 9 cm from breakout to left front fog lamp. See Fig. 35.
J108	In ignition coil jumper harness, 5 cm from breakout to X108.
J109	In ignition coil jumper harness, 5 cm from breakout to X109.
J111	In fuel injector harness.
J113 (20)	In forward lamp harness, 19.5 cm from windshield washer fluid pump breakout. See Fig. 35.
J117 (8)	In I/P harness, 8.5 cm from X100 breakout. See Fig. 34.
J118	In ignition coil jumper harness, 5 cm from breakout to X108.
J119	In ignition coil jumper harness, 5 cm from breakout to X109.
J128	In ignition coil jumper harness, 5 cm from breakout to X108.
J129	In ignition coil jumper harness, 5 cm from breakout to X109.

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J133	In automatic transmission.
J134	In automatic transmission.
J201 (29)	In I/P harness, 4 cm from breakout to inflatable restraint I/P module. See Fig. 37 .
J202 (17)	In I/P harness, 16.5 cm from steering column connector breakout. See Fig. 37 .
J203 (21)	In I/P harness, 5 cm from breakout to rollover sensor. See Fig. 95 .
J205	In chassis harness, 8 CM from breakout to electronic brake control module.
J211 (21)	In I/P harness, 16 cm from JX201 breakout. See Fig. 37 .
J216 (3)	In I/P harness, 15.5 cm from recirculation actuator connector. See Fig. 37 .
J217 (18)	In I/P harness, 5 cm from mode motor breakout. See Fig. 37 .
J220 (15)	In I/P harness, 33.5 cm before breakout to inflatable restraint sensing & diagnostic module. See Fig. 95 .
J226	In steering column harness.
J230 (22)	In I/P harness, 5 cm from JX201 breakout. See Fig. 37 .
J232	In I/P harness, 10 cm from breakout to steering wheel coils.
J239 (16)	In I/P harness, above dash left lower panel, 11 cm from steering column breakout. See Fig. 37 .
J250 (28)	In I/P harness, 33 cm from blower motor resistor assembly. See Fig. 37 .
J271 (26)	In I/P harness, 14.5 cm from dash compartment lamp breakout. See Fig. 37 .
J302 (15)	In body harness, 5 cm from main harness breakout for X700. See Fig. 38 .
J303 (27)	In body harness, 5 cm from main harness breakout for X800. See Fig. 38 .
J304	In driver seat main power harness, 5 cm from breakout memory seat module connector C1.
J305	In driver seat main power harness, 7 cm from breakout memory seat module connector C1.
J306 (8)	In chassis harness, 13 cm back from breakout to fuel pump & sender assembly. See Fig. 36 .
J307 (3)	In floor console harness, 9 cm from breakout to auxiliary mode actuator. See Fig. 39 .
J308	In passenger seat harness, 15 cm from breakout to X314.
	In body harness, 9 cm from breakout to X314. See

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J310 (26)	<u>Fig. 38.</u>
J311	In driver's seat main power harness, 4.5 cm from lumbar switch breakout.
J312 (11)	In main headliner harness, 80 cm from X308 breakout. See <u>Fig. 96.</u>
J313	Driver's seat motor harness, 17 cm from seat module connector C2.
J314	Driver's seat motor harness, 24 cm from seat module connector C2.
J315 (W/ Memory)	In driver seat harness, 11.5 cm from X311.
J316	In passenger seat main power harness, 25 cm back from lumbar adjuster switch connector.
J317 (W/ Heat)	In passenger seat main power harness, 14.5 cm back from lumbar adjuster switch connector.
J317 (W/O Heat)	In passenger seat main power harness, 5 cm from breakout to lumbar adjuster switch connector.
J318	In driver's seat harness, 7 cm from breakout to body connector.
J319	In passenger seat harness, 7 cm from breakout to body connector.
J320 (22)	In I/P harness, 18 cm from automatic transmission shift lever connector breakout. See <u>Fig. 95.</u>
J321	In I/P harness channel between rear seat & console, 32 cm forward from X301/X304 breakout.
J322 (7)	In headliner harness, 16 cm from ISRVM breakout, toward right sun shade mirror lamp. See <u>Fig. 96.</u>
J327	In driver seat harness, 6.5 cm from breakout to driver cushion heated seat element.
J330	In overhead console harness.
J331 (5)	In headliner harness, 17 cm from left sun shade mirror lamp breakout, toward X305. See <u>Fig. 96.</u>
J332	In overhead console harness.
J341	In headliner harness, 6.5 cm from breakout to left clearance lamp.
J359 (19)	In chassis harness, 13 cm before breakout to fuel pump & sender assembly. See <u>Fig. 36.</u>
J362 (3)	In body harness channel on rear floor, 6 cm to left of JX306. See <u>Fig. 38.</u>
J374 (2)	In body harness channel on rear floor, 12 cm to left of JX306. See <u>Fig. 38.</u>
J390 (4)	In headliner harness, 26 cm from left front dome/reading lamp. See <u>Fig. 96.</u>
J401 (6)	In body harness, 7.5 cm from G401 breakout. See <u>Fig. 38.</u>

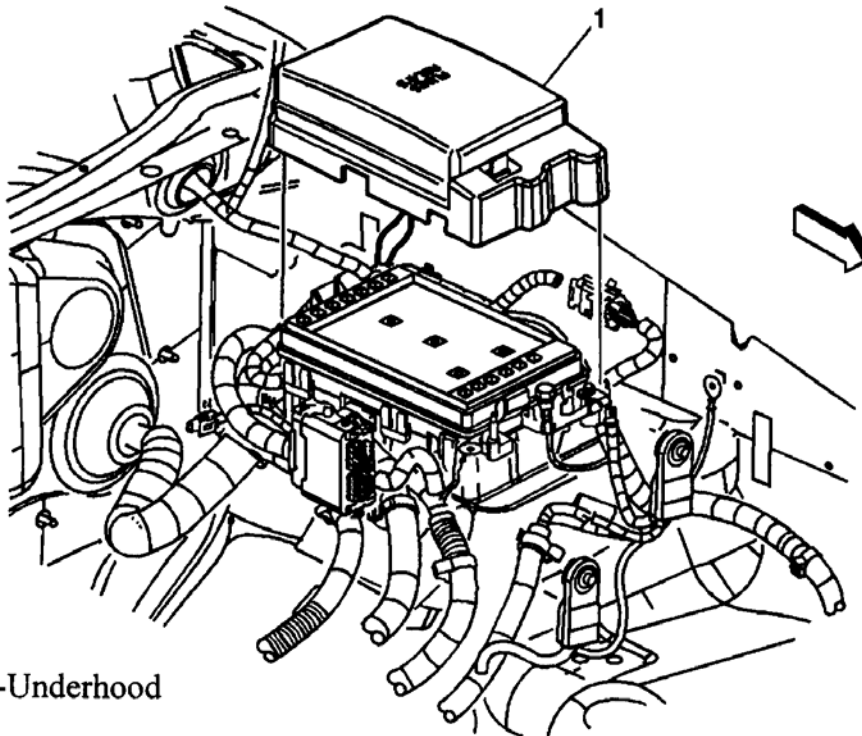
2008 Isuzu Ascender LS

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J402 (33)	In body harness, 7.5 cm from G402 breakout. See <u>Fig. 38.</u>
J408 (15)	In chassis harness, 9.5 cm from breakout to right backup lamp. See <u>Fig. 36.</u>
J901 (7)	In liftgate harness, 22 cm from liftgate module breakout. See <u>Fig. 23.</u>

COMPONENT LOCATION GRAPHICS

NOTE: Figures may show multiple component locations. Refer to appropriate table for proper figure references.



(1) Fuse Block-Underhood

G00261845

Fig. 1: Underhood Fuse Block
Courtesy of GENERAL MOTORS CORP.

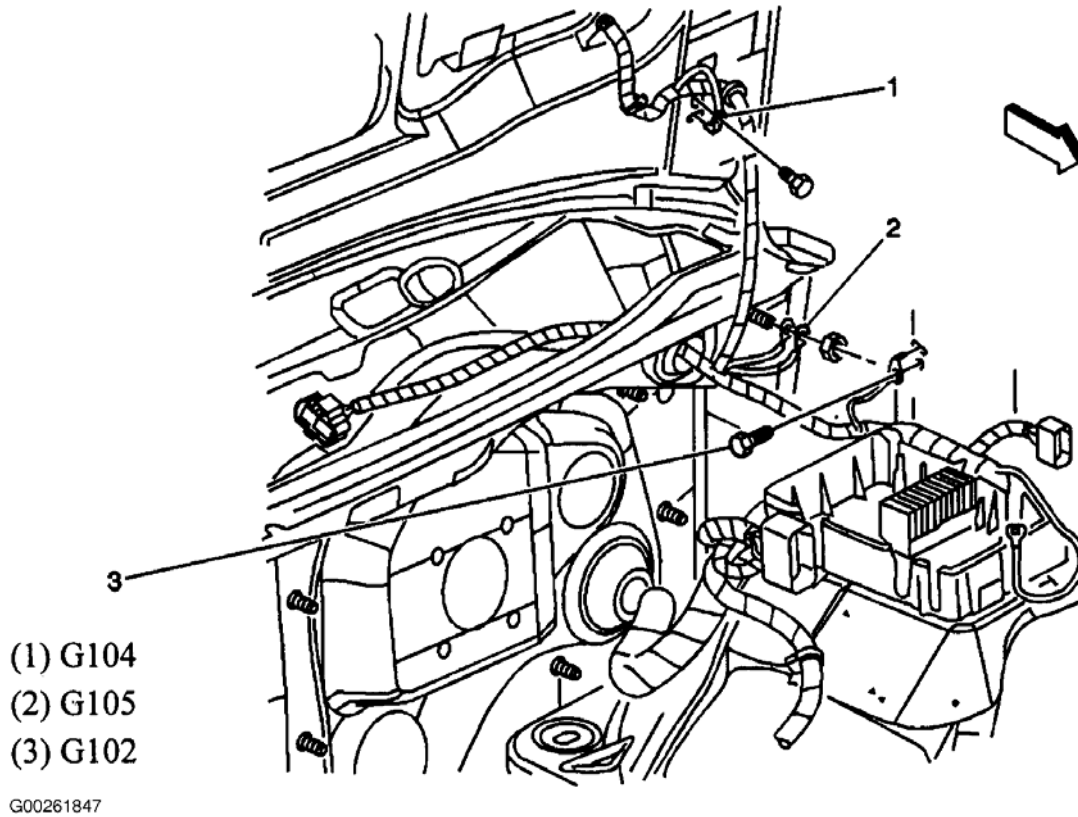
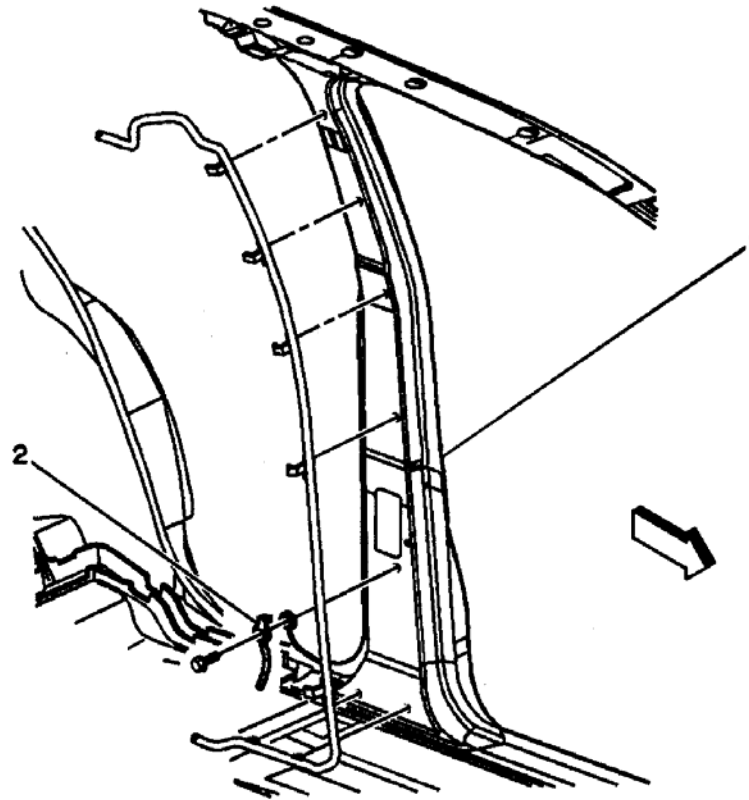


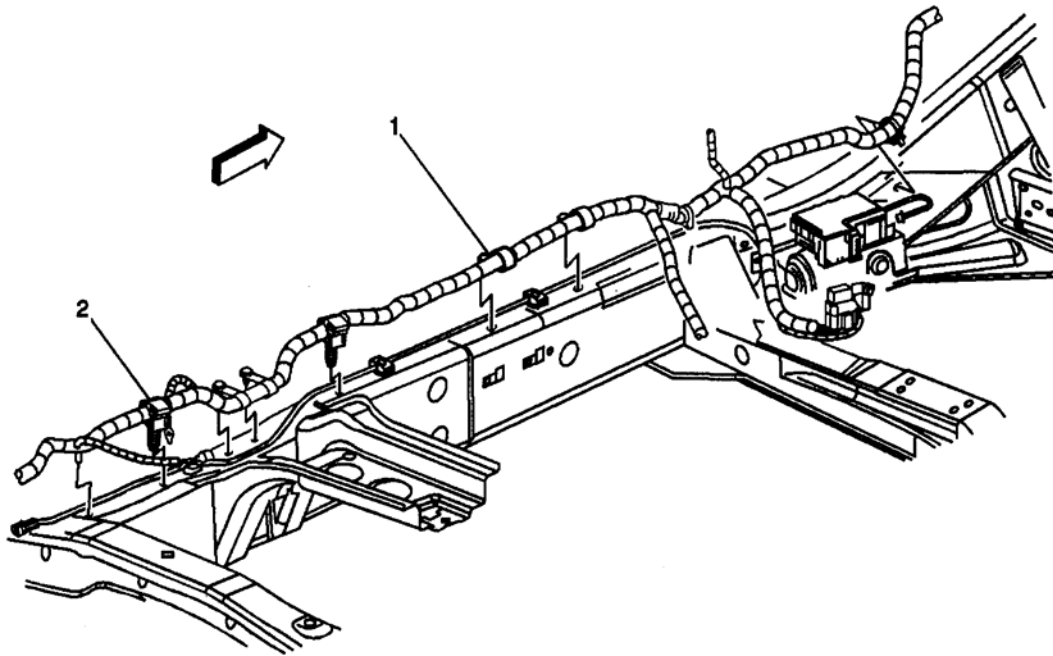
Fig. 2: Left Rear Of Engine Compartment
Courtesy of GENERAL MOTORS CORP.



- (1) Door Frame
- (2) G302

G00261855

Fig. 3: Left "B" Pillar
Courtesy of GENERAL MOTORS CORP.



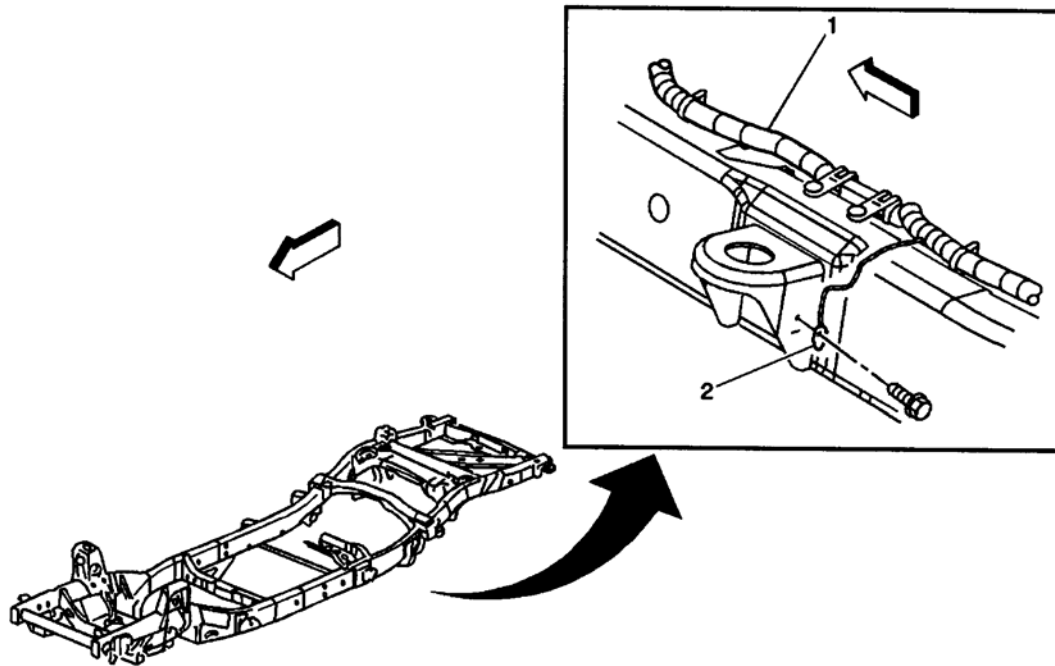
(1) Chassis Harness

(2) G304

G00261857

Fig. 4: Left Frame Rail

Courtesy of GENERAL MOTORS CORP.



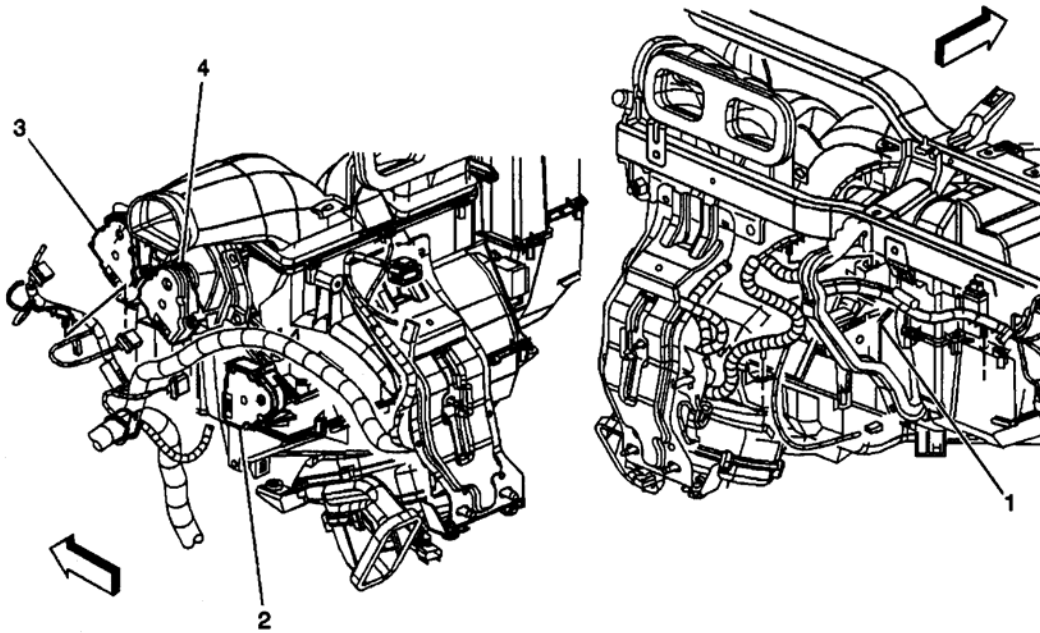
(1) Chassis Harness

(2) G305

G00261858

Fig. 5: Vehicle Frame

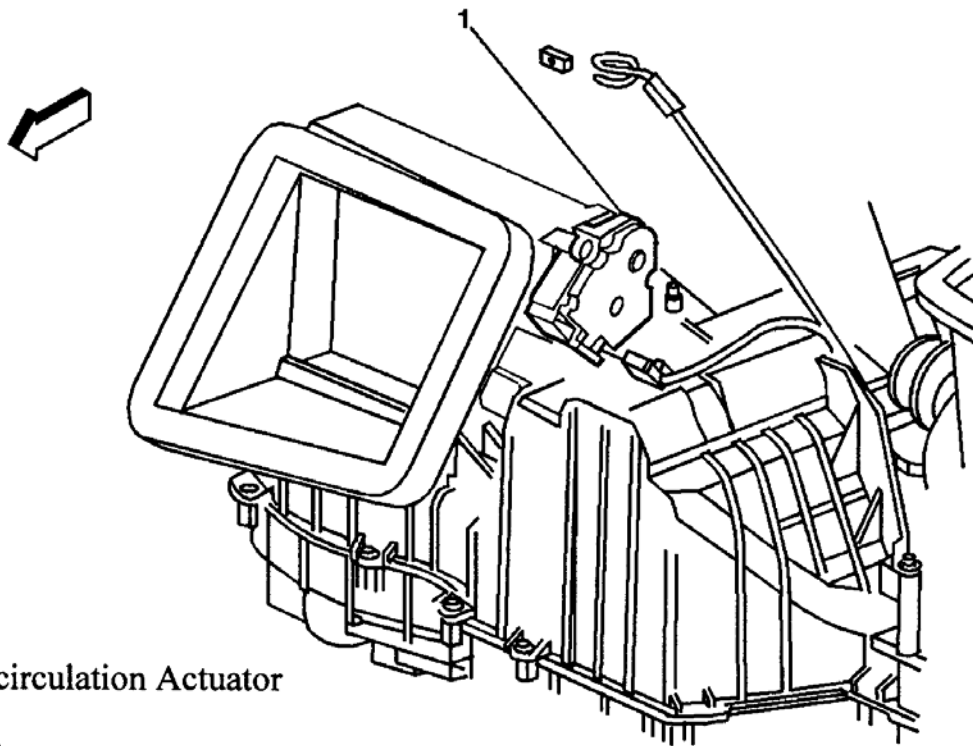
Courtesy of GENERAL MOTORS CORP.



- (1) Air Temperature Actuator-Right
- (2) Air Temperature Actuator-Left
- (3) Defrost Actuator
- (4) Mode Actuator

G00261872

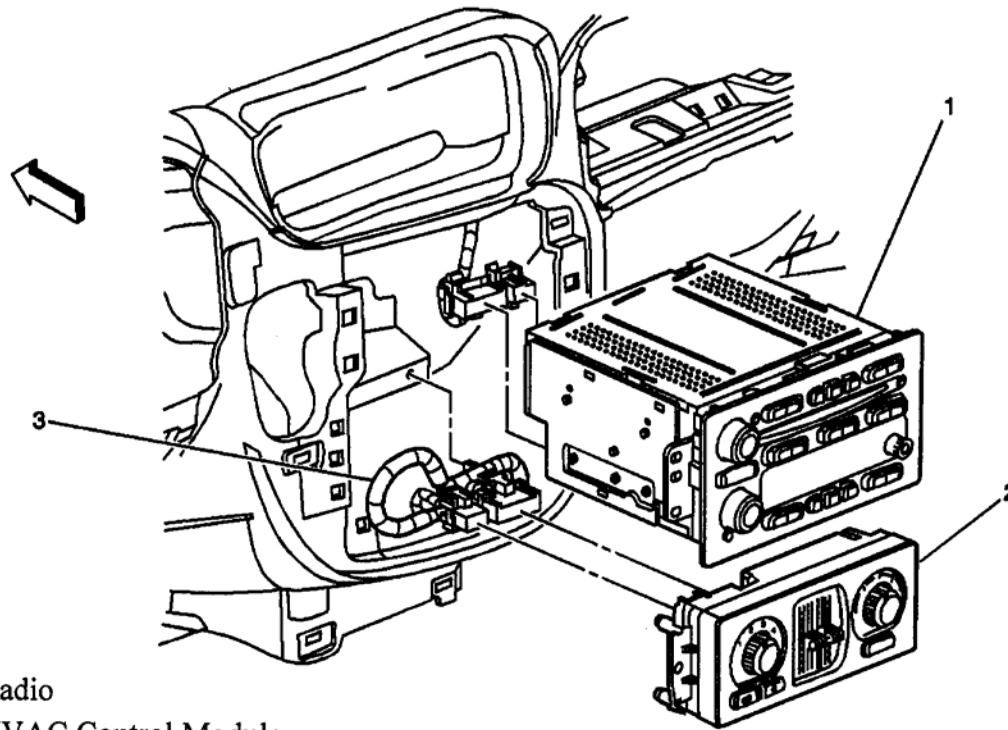
Fig. 6: Left & Right Instrument Panel Carrier
Courtesy of GENERAL MOTORS CORP.



(1) Recirculation Actuator

G00261873

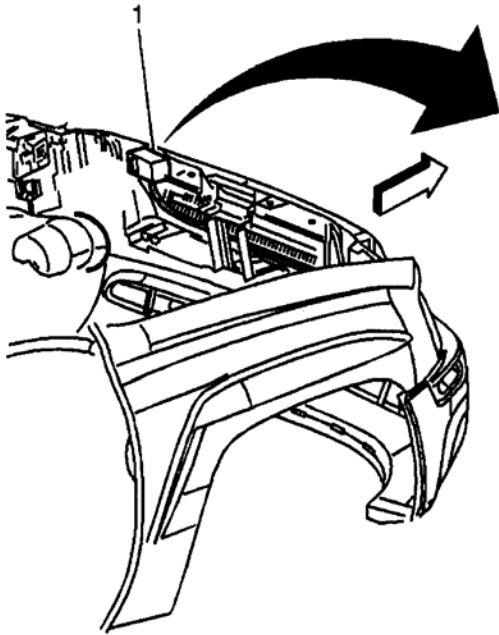
Fig. 7: Dash Panel Carrier
Courtesy of GENERAL MOTORS CORP.



- (1) Radio
- (2) HVAC Control Module
- (3) I/P Harness

G00261874

Fig. 8: Center Of Dash
Courtesy of GENERAL MOTORS CORP.



(1) Ambient Air Temperature Sensor

G00261881

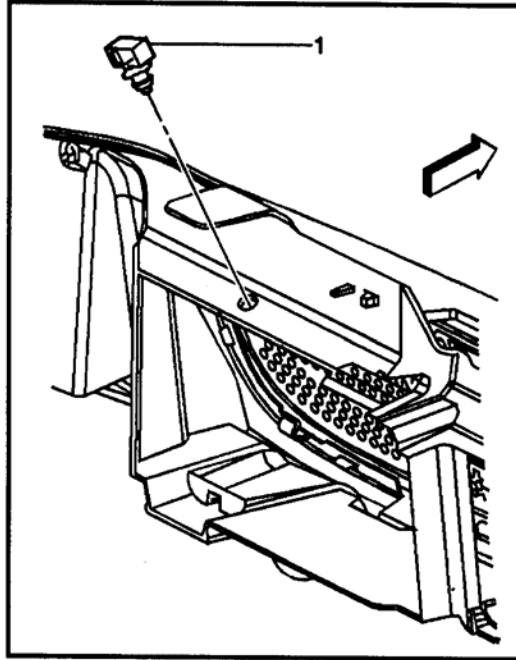
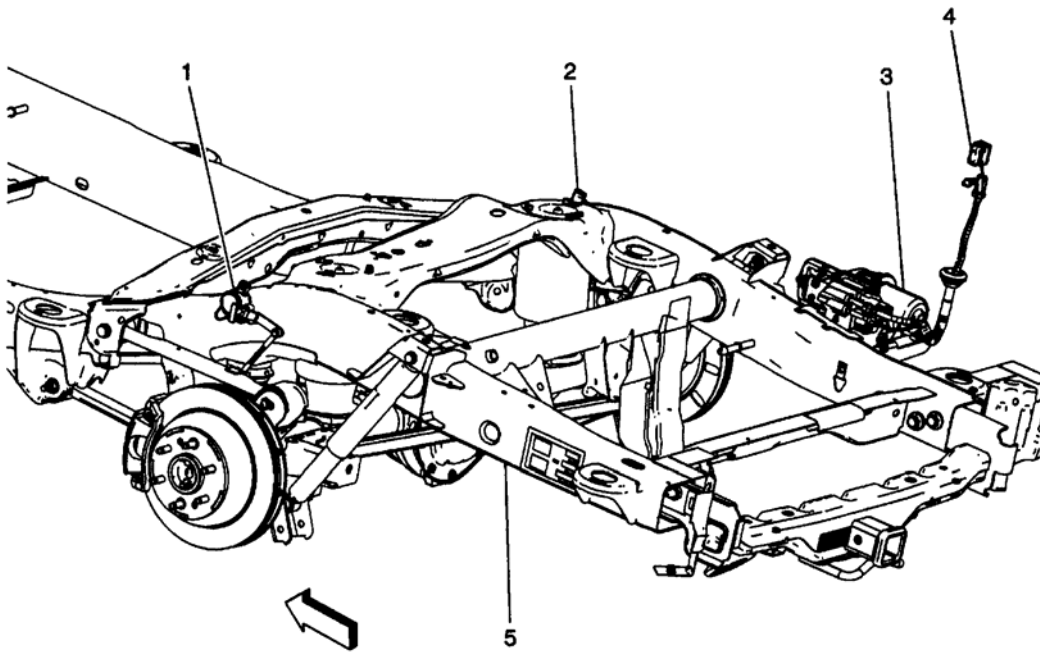


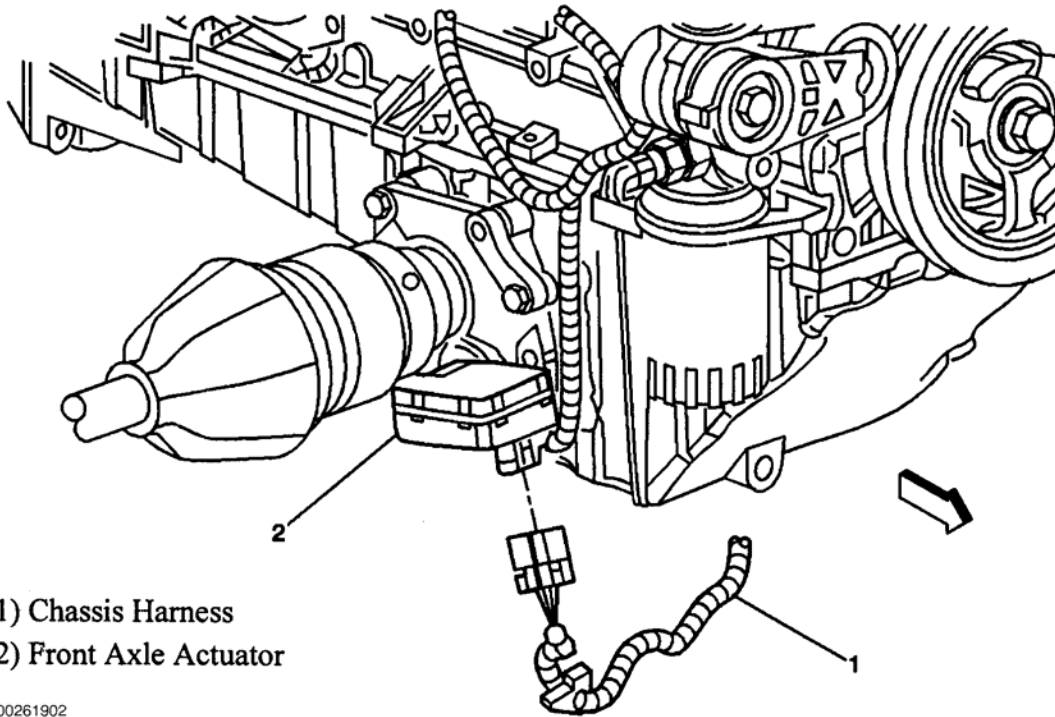
Fig. 9: Right Front Of Vehicle
Courtesy of GENERAL MOTORS CORP.



- (1) Air Suspension Sensor - LR
- (2) Air Suspension Sensor - RR
- (3) Air Suspension Compressor Assembly
- (4) Air Suspension Inflator Switch
- (5) Frame

G00261898

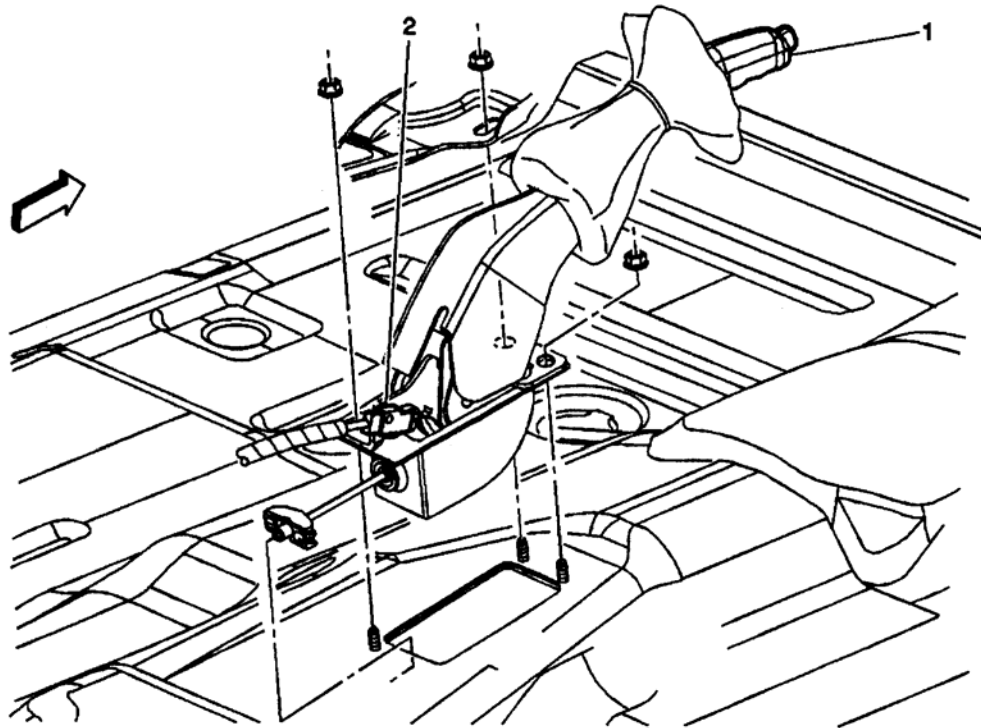
Fig. 10: Rear Frame & Underbody
Courtesy of GENERAL MOTORS CORP.



- (1) Chassis Harness
- (2) Front Axle Actuator

G00261902

Fig. 11: Right Front Of Engine
Courtesy of GENERAL MOTORS CORP.



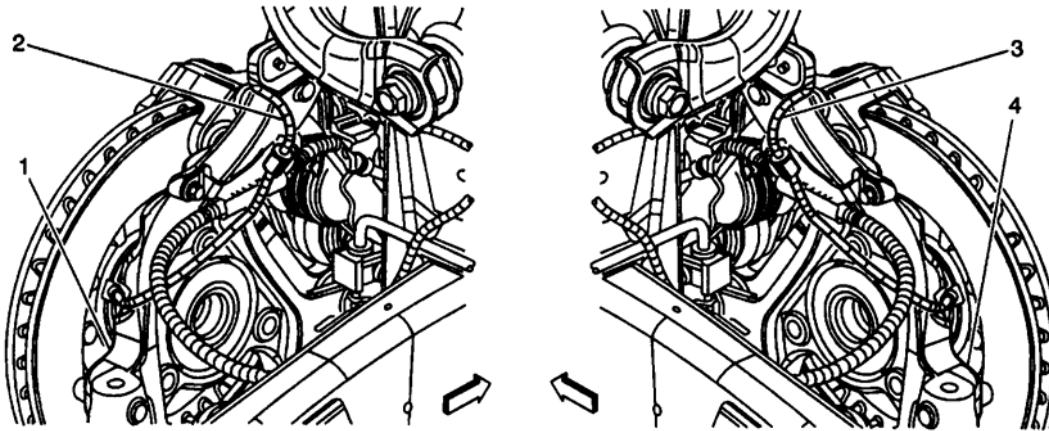
(1) Park Brake Lever Assembly

(2) Park Brake Switch

G00261904

Fig. 12: Center Floor Pan

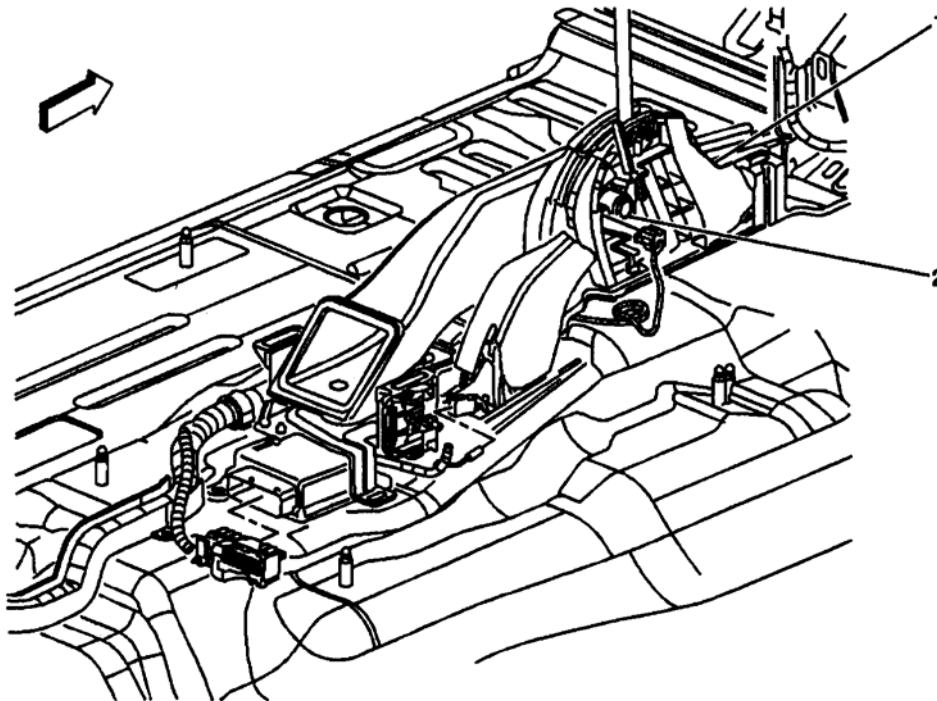
Courtesy of GENERAL MOTORS CORP.



- (1) LH Steering Knuckle
- (2) Wheel Speed Sensor - LF
- (3) Wheel Speed Sensor - RF
- (4) RH Steering Knuckle

G00261906

Fig. 13: Front Hubs & Rotors
Courtesy of GENERAL MOTORS CORP.



(1) Lower Console

(2) Automatic Transmission Shift Lock Actuator

G00261914

Fig. 14: Center Of Floor Pan

Courtesy of GENERAL MOTORS CORP.

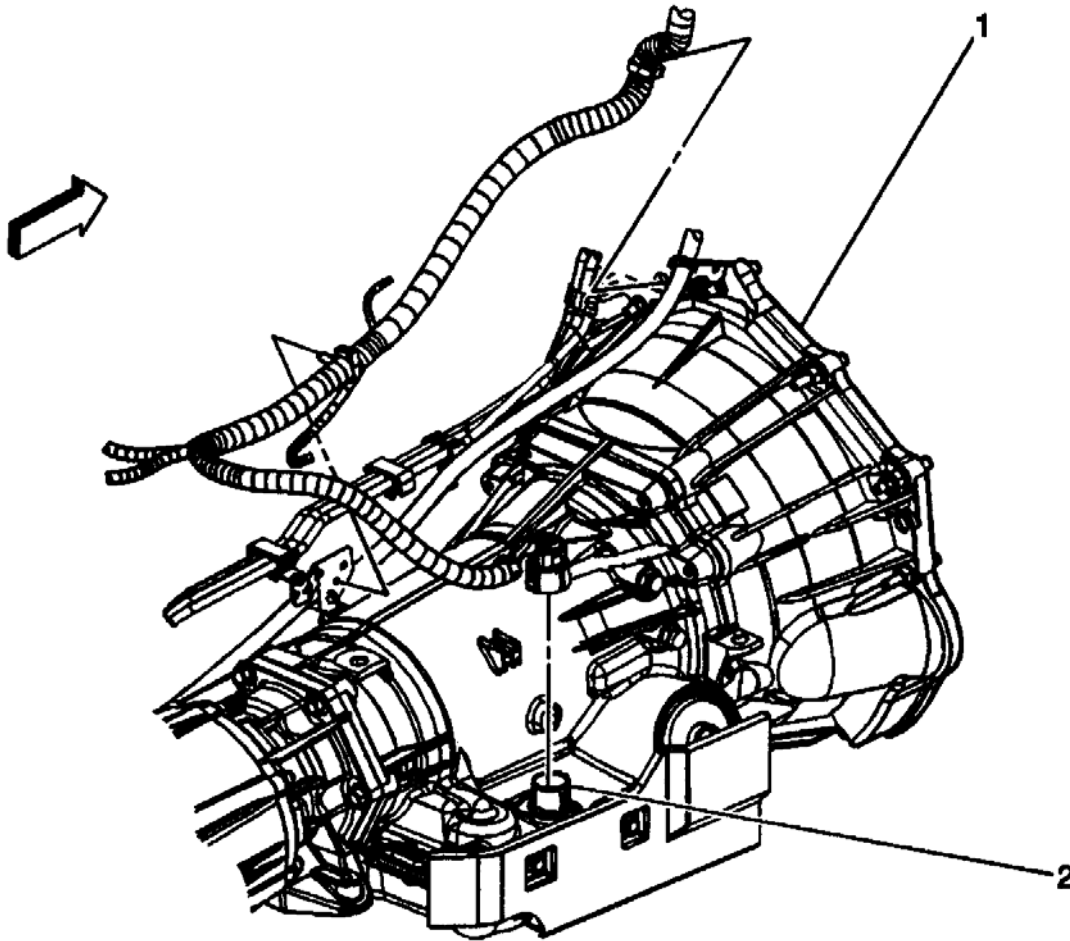
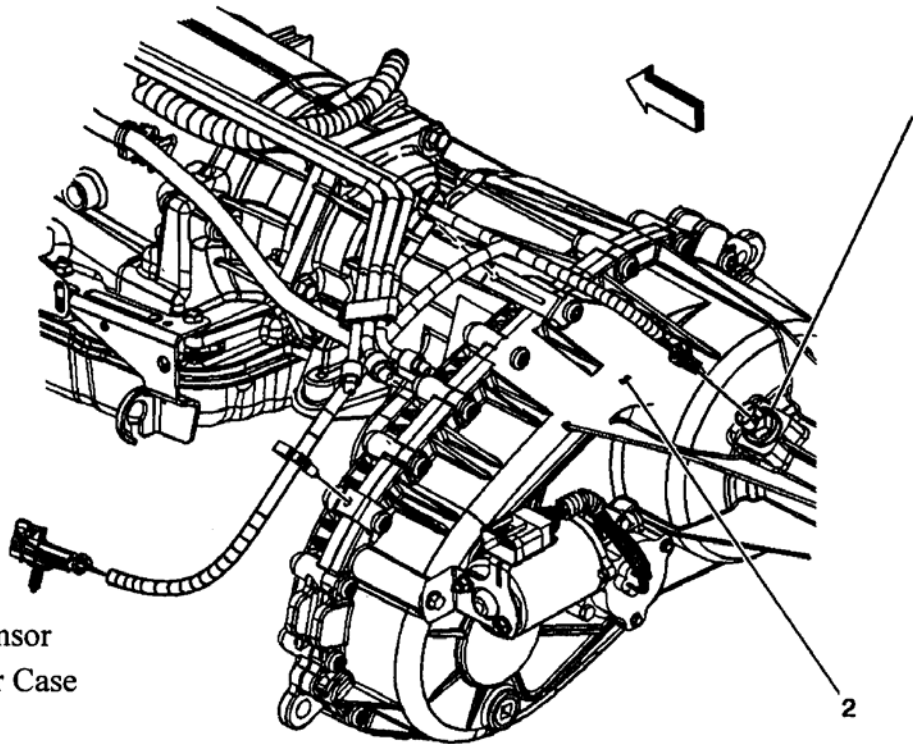


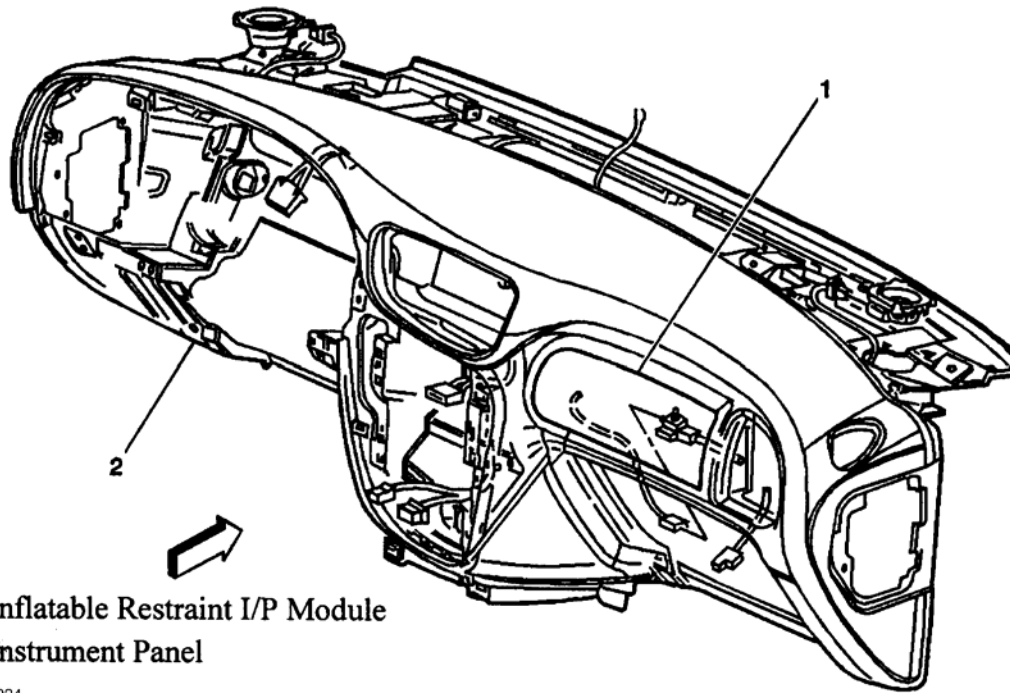
Fig. 15: Automatic Transmission
Courtesy of GENERAL MOTORS CORP.



- (1) VSS Sensor
- (2) Transfer Case

G00261918

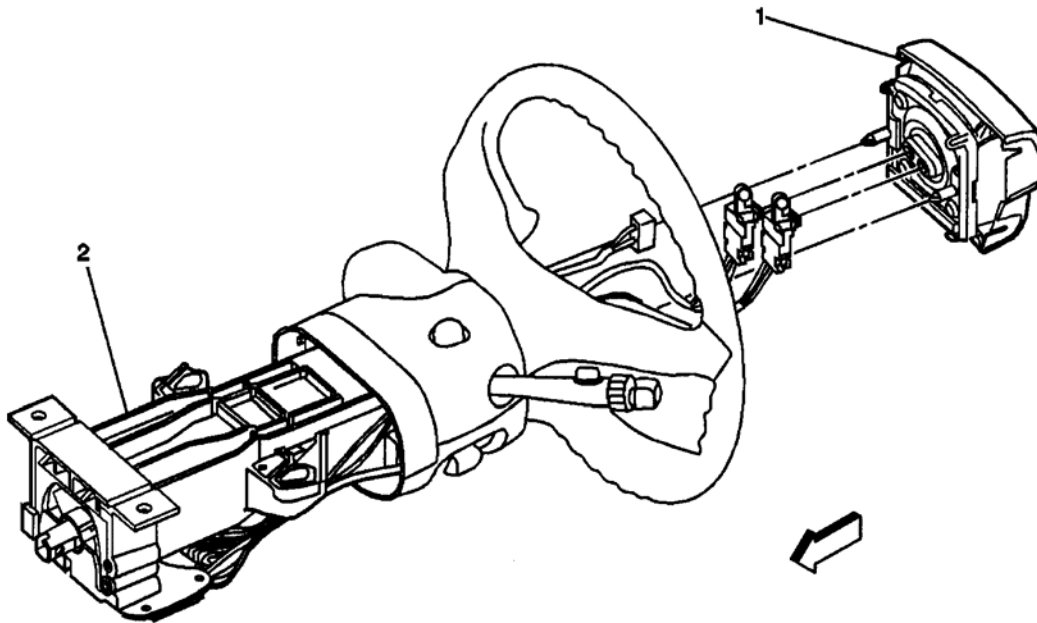
Fig. 16: Transfer Case
Courtesy of GENERAL MOTORS CORP.



- (1) Inflatable Restraint I/P Module
(2) Instrument Panel

G00261924

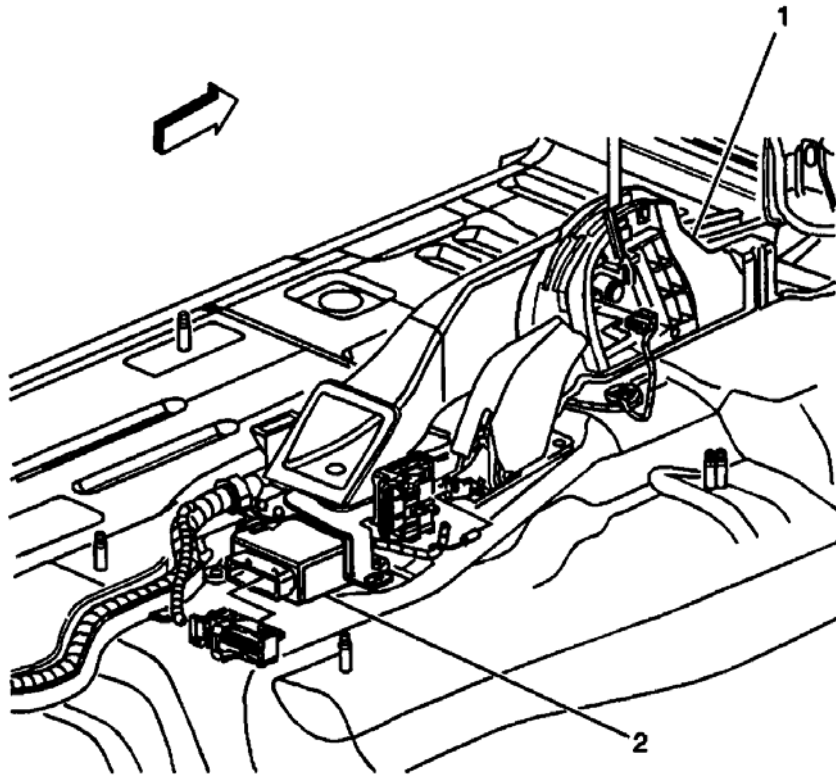
Fig. 17: Dash Assembly
Courtesy of GENERAL MOTORS CORP.



- (1) Inflatable Restraint Steering Wheel Module
(2) Steering Column

G00261925

Fig. 18: Steering Wheel Assembly
Courtesy of GENERAL MOTORS CORP.



(1) Lower Console

(2) Inflatable Restraint Sensing and Diagnostic Module (SDM)

G00261928

Fig. 19: Lower Console

Courtesy of GENERAL MOTORS CORP.

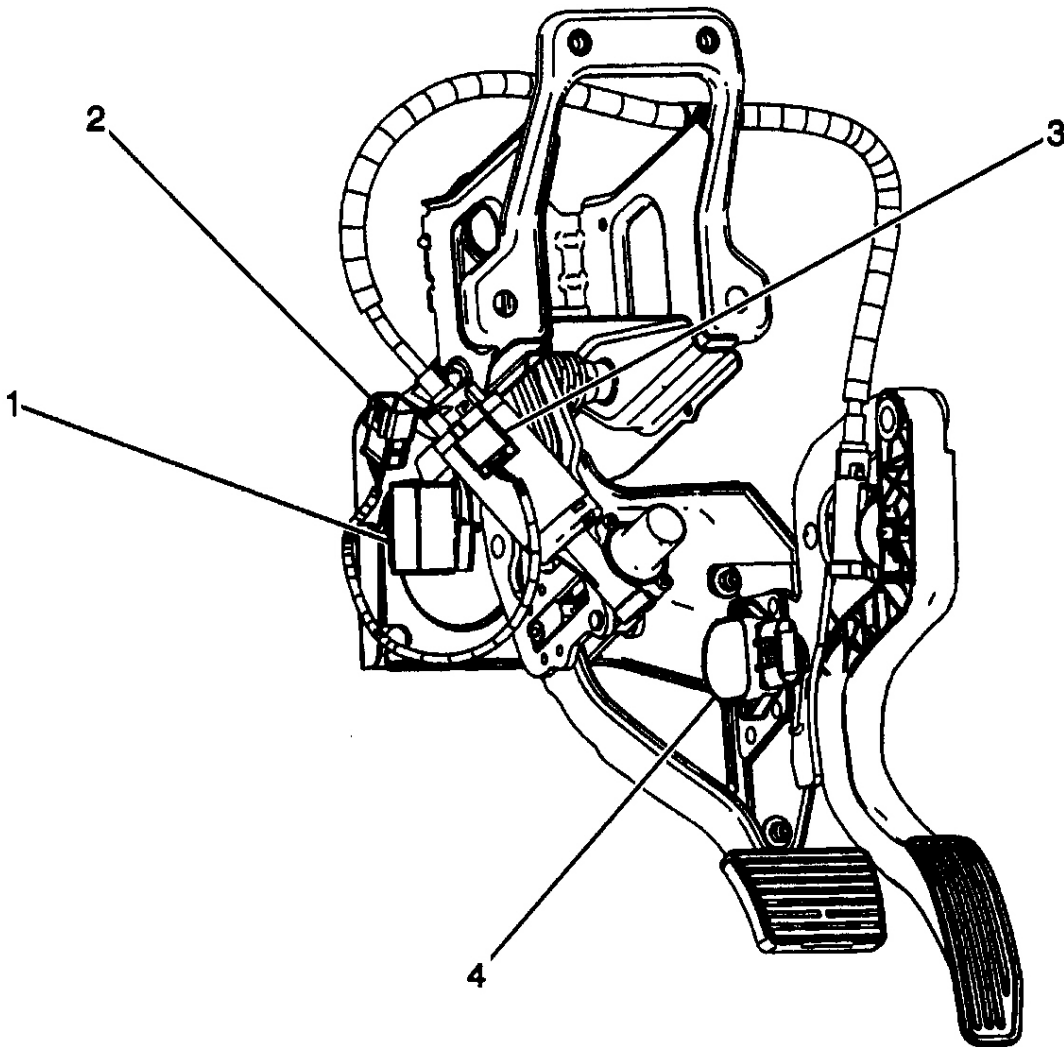
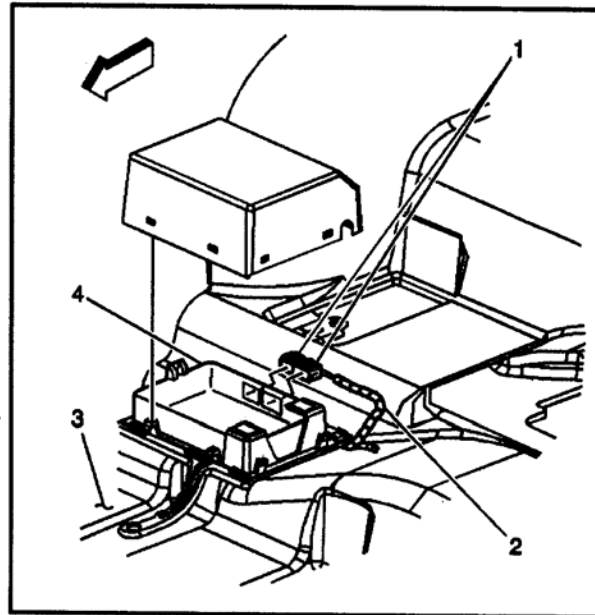
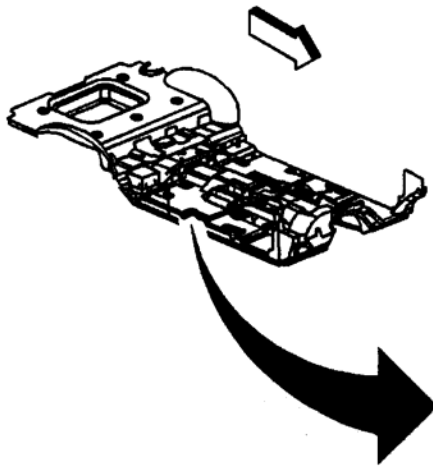


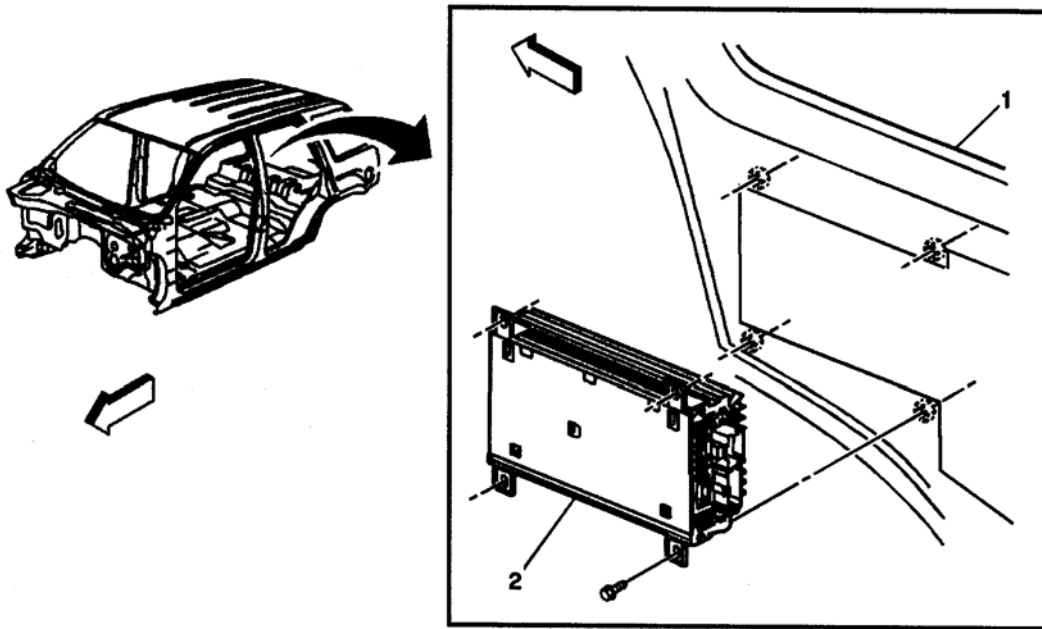
Fig. 20: Lower Left Side Of Dash
Courtesy of GENERAL MOTORS CORP.



- (1) Connectors
- (2) Body Harness
- (3) Rear Floor Panel
- (4) Vehicle Communication Interface Module (VCIM)

G00261934

Fig. 21: Rear Floor Panel
Courtesy of GENERAL MOTORS CORP.



(1) Body Side Inner Lower Panel-Right

(2) Audio Amplifier

G00261941

Fig. 22: Right Body Side Inner Lower Panel
Courtesy of GENERAL MOTORS CORP.

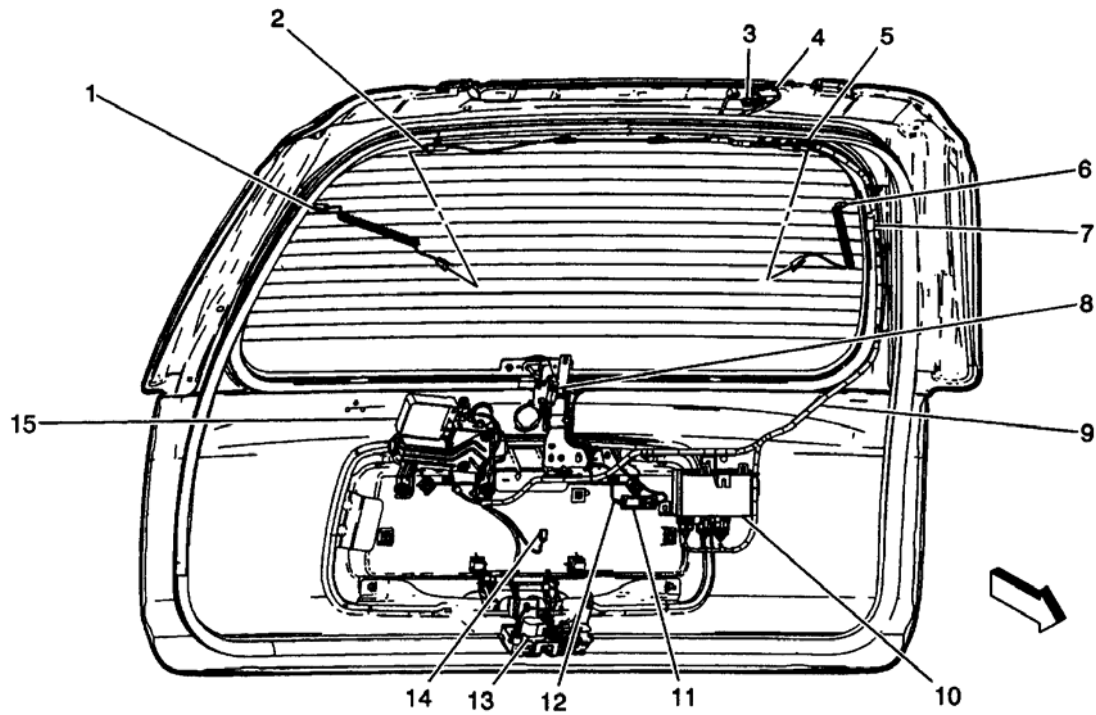
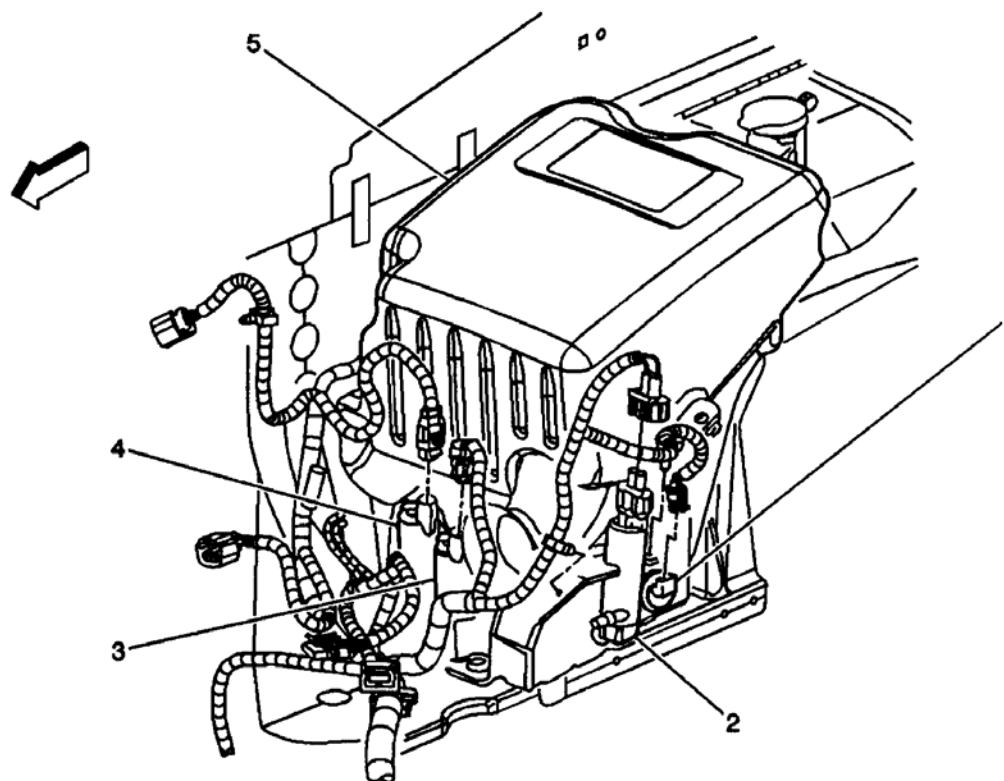


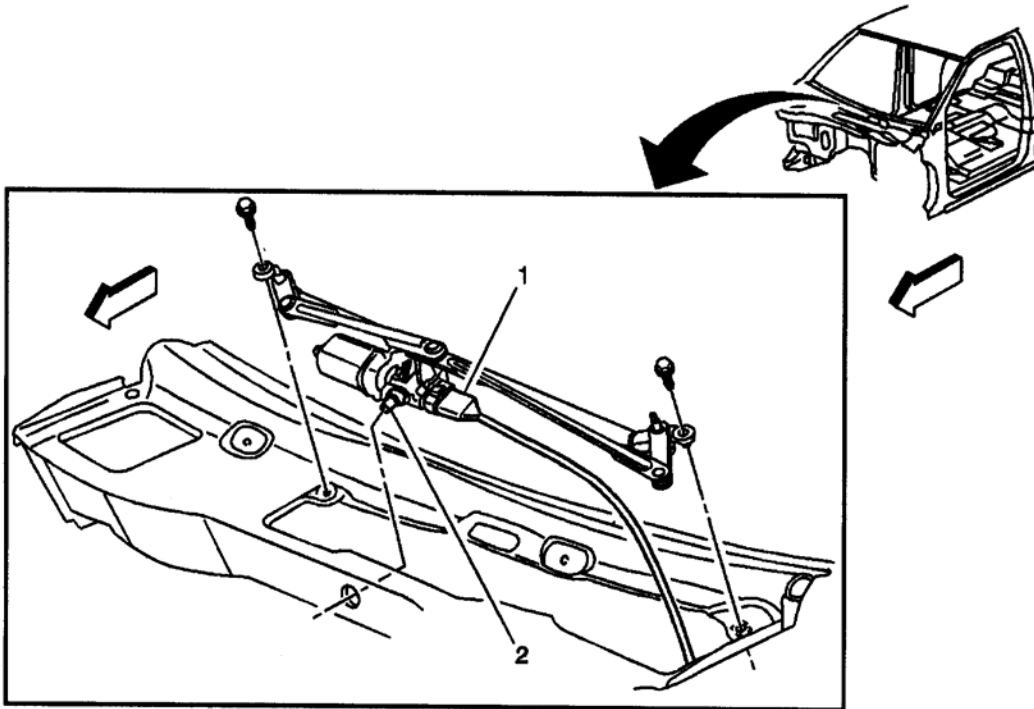
Fig. 23: Liftgate
Courtesy of GENERAL MOTORS CORP.



- (1) Windshield Washer Fluid Level Switch
- (2) Headlamp Washer Fluid Pump
- (3) Windshield Washer Fluid Pump
- (4) Rear Window Washer Fluid Pump
- (5) Air Cleaner Housing

G00261982

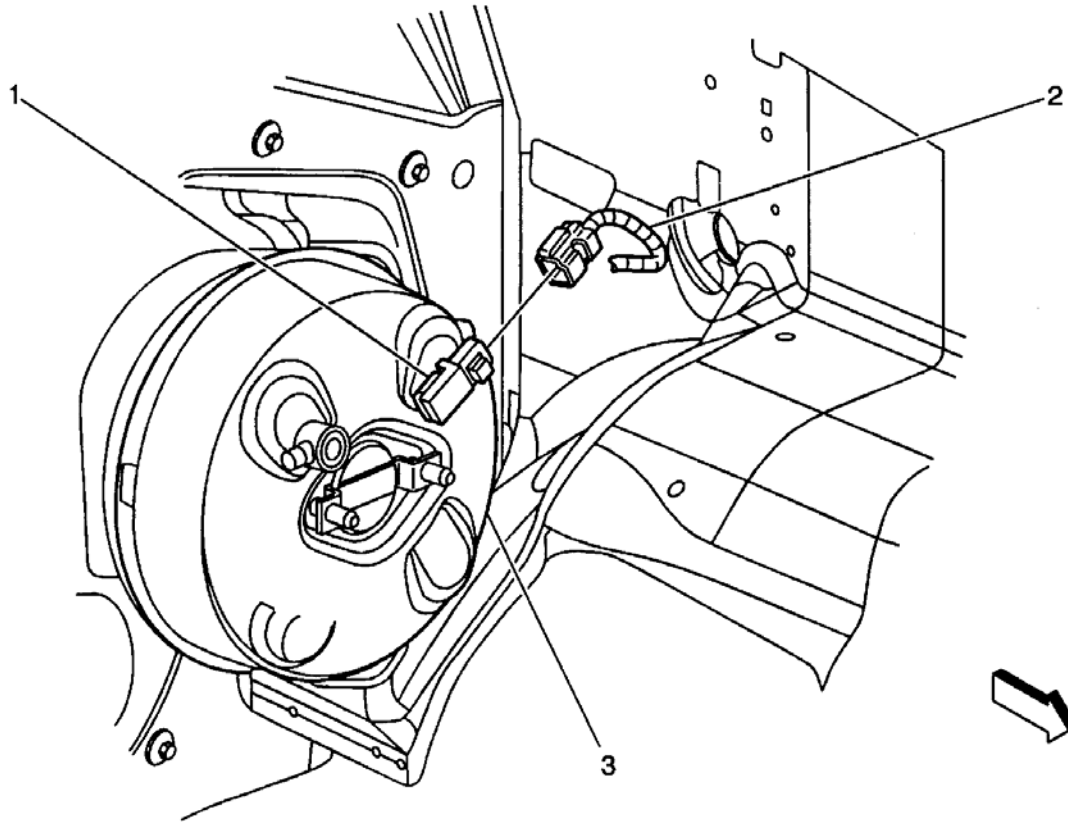
Fig. 24: Right Front Of Engine Compartment
Courtesy of GENERAL MOTORS CORP.



- (1) Instrument Panel Harness
- (2) Windshield Wiper Motor

G00261983

Fig. 25: Center Rear Of Engine Compartment
Courtesy of GENERAL MOTORS CORP.



(1) Brake Booster Vacuum Sensor

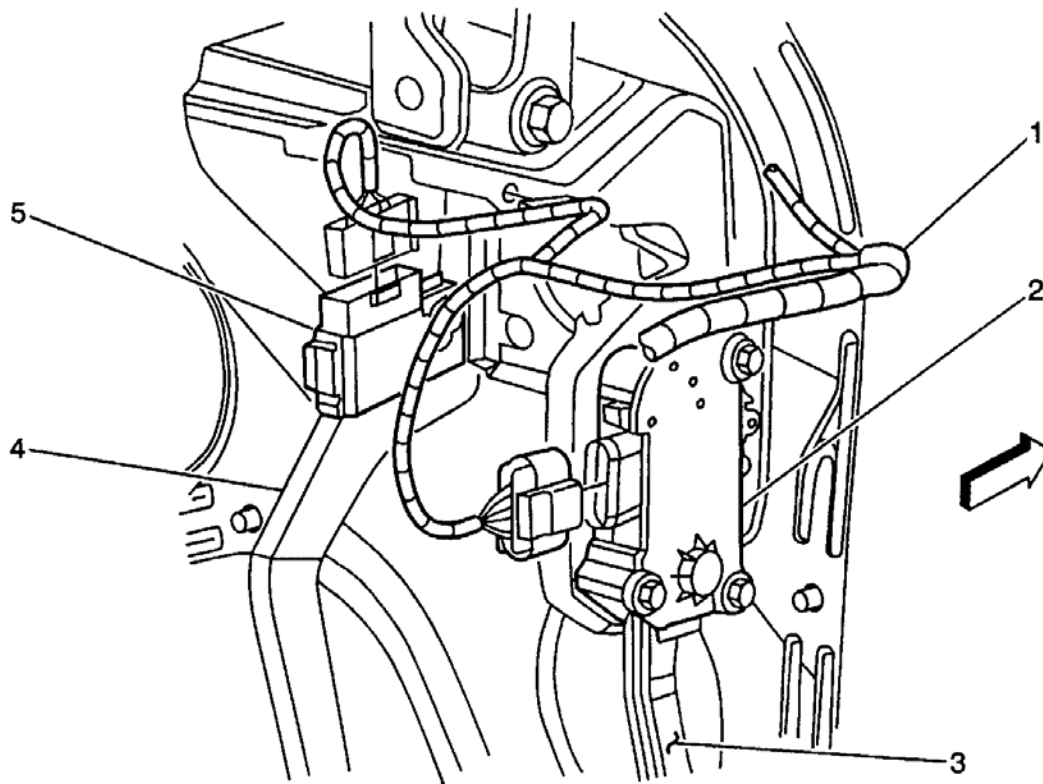
(2) Engine Harness

(3) Power Brake Booster

G00364563

Fig. 26: Power Brake Booster

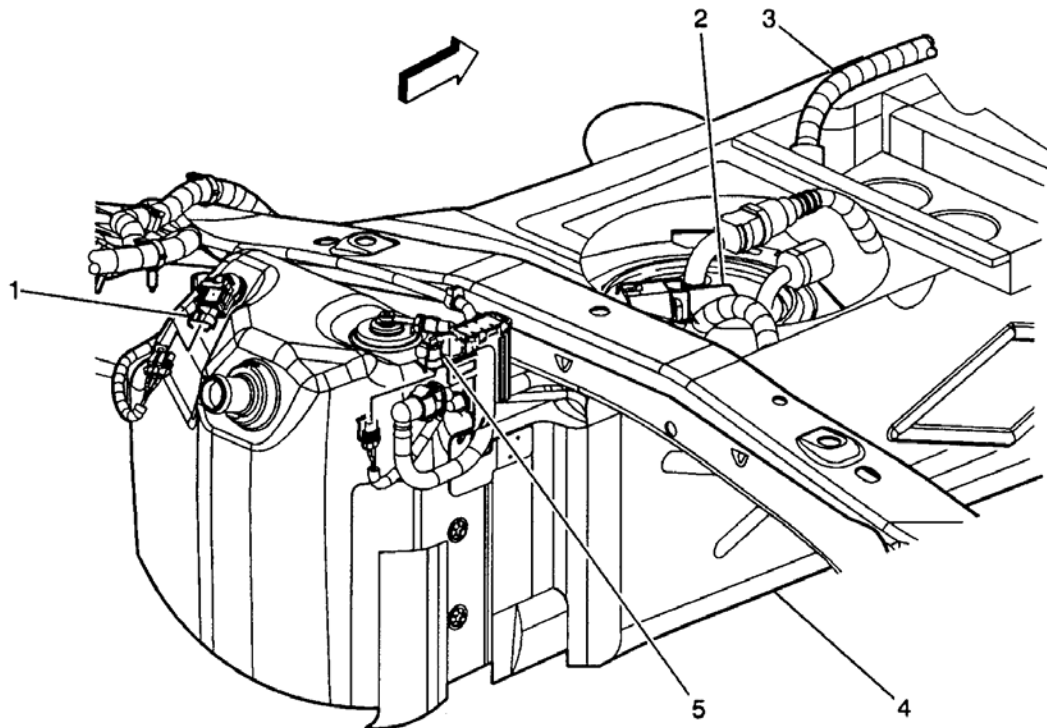
Courtesy of GENERAL MOTORS CORP.



- (1) Instrument Panel Harness
- (2) Accelerator Pedal Position (APP) Sensor
- (3) Accelerator Pedal
- (4) Brake Pedal
- (5) Stop Lamp Switch

G00364564

Fig. 27: Under Left Side Of Dash
Courtesy of GENERAL MOTORS CORP.

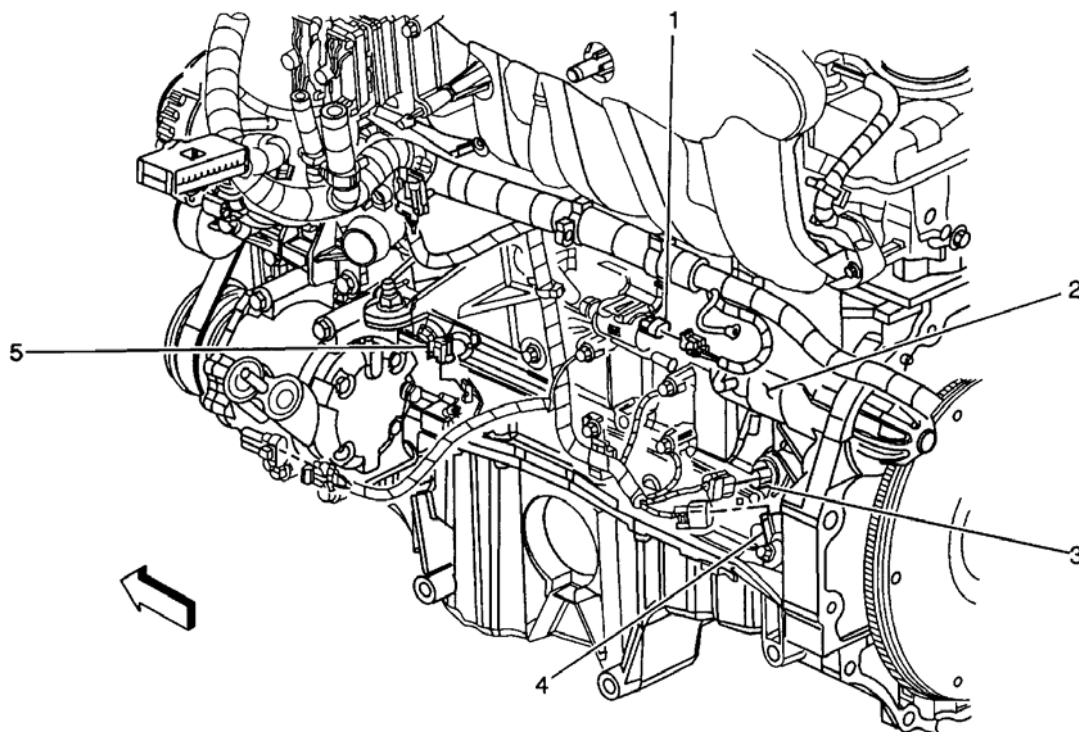


- (1) Fuel Tank Pressure (FTP) Sensor
- (2) Fuel Pump and Sender Assembly
- (3) Chassis Harness
- (4) Fuel Tank
- (5) Evaporative Emission (EVAP) Canister Vent Solenoid

G00364565

Fig. 28: Fuel Tank

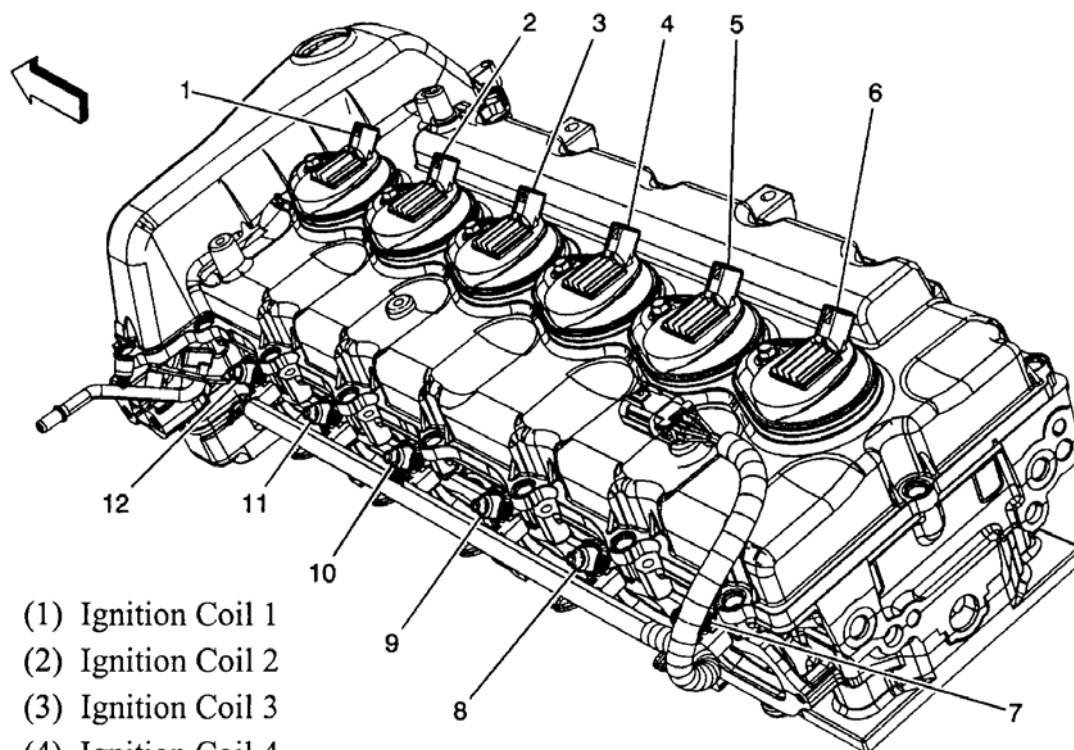
Courtesy of GENERAL MOTORS CORP.



- (1) Evaporative Emission (EVAP) Canister Purge Solenoid
- (2) Starter
- (3) Crankshaft Position (CKP) Sensor
- (4) Knock Sensor (KS) 2, Rear
- (5) Knock Sensor (KS) 1, Front

G00364568

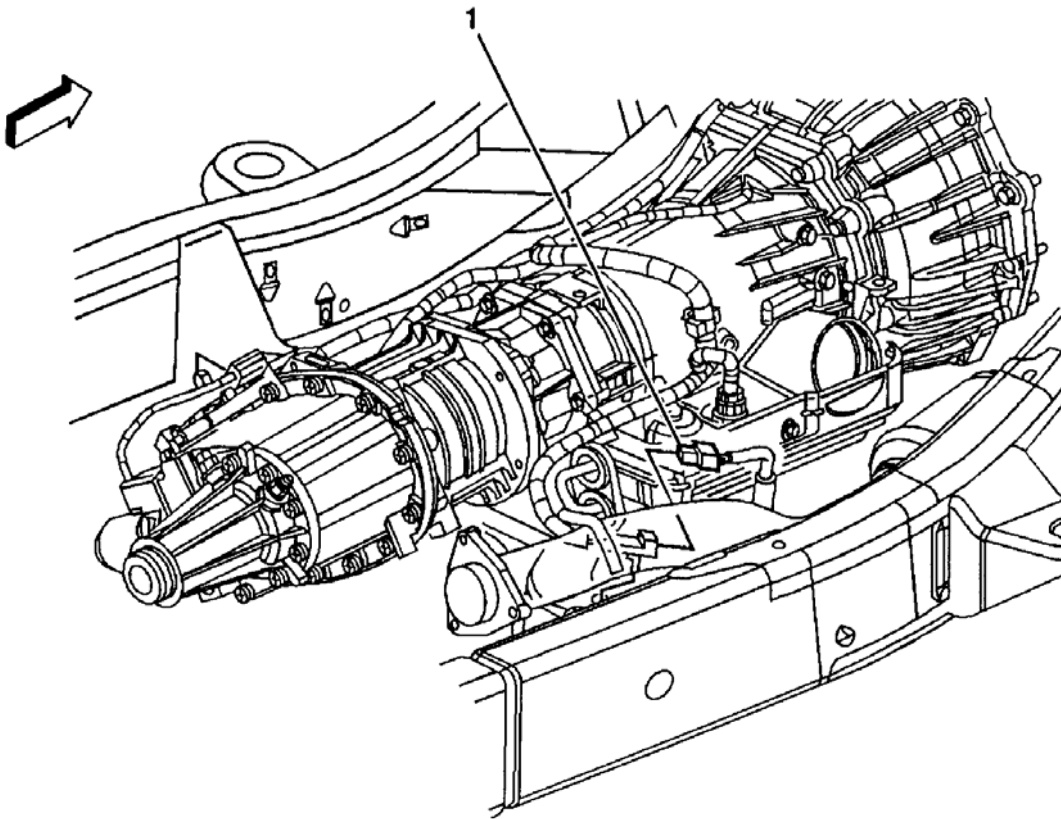
Fig. 29: Lower Left Side Of Engine
Courtesy of GENERAL MOTORS CORP.



- (1) Ignition Coil 1
- (2) Ignition Coil 2
- (3) Ignition Coil 3
- (4) Ignition Coil 4
- (5) Ignition Coil 5
- (6) Ignition Coil 6
- (7) Fuel Injector 6
- (8) Fuel Injector 5
- (9) Fuel Injector 4
- (10) Fuel Injector 3
- (11) Fuel Injector 2
- (12) Fuel Injector 1

G00364572

Fig. 30: Top Of Engine
Courtesy of GENERAL MOTORS CORP.

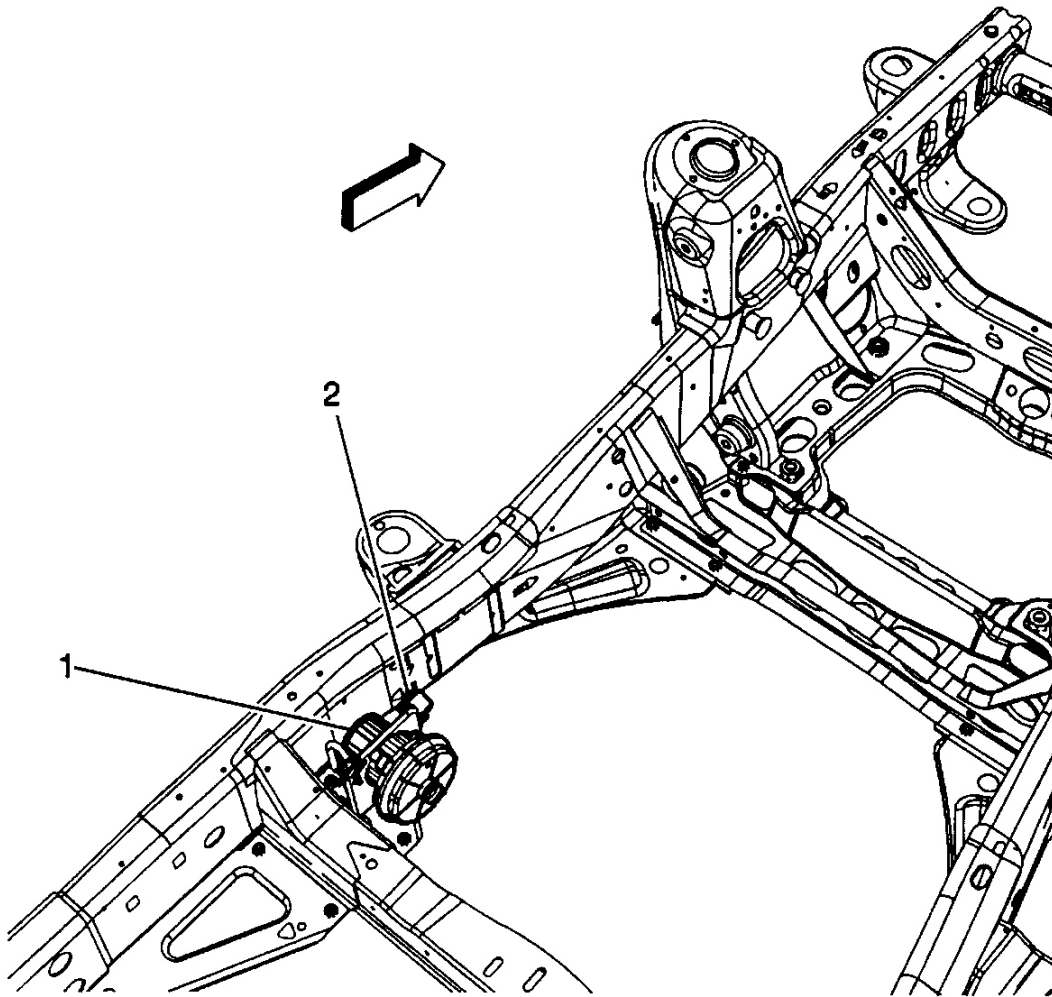


(1) Heated Oxygen Sensor (HO2S) 2

G00364573

Fig. 31: Right Side Of Transmission

Courtesy of GENERAL MOTORS CORP.



(1) Secondary Air Injection (AIR) Pump

(2) Secondary Air Injection (AIR) Pump Relay

G00364574

Fig. 32: Left Front Of Chassis

Courtesy of GENERAL MOTORS CORP.

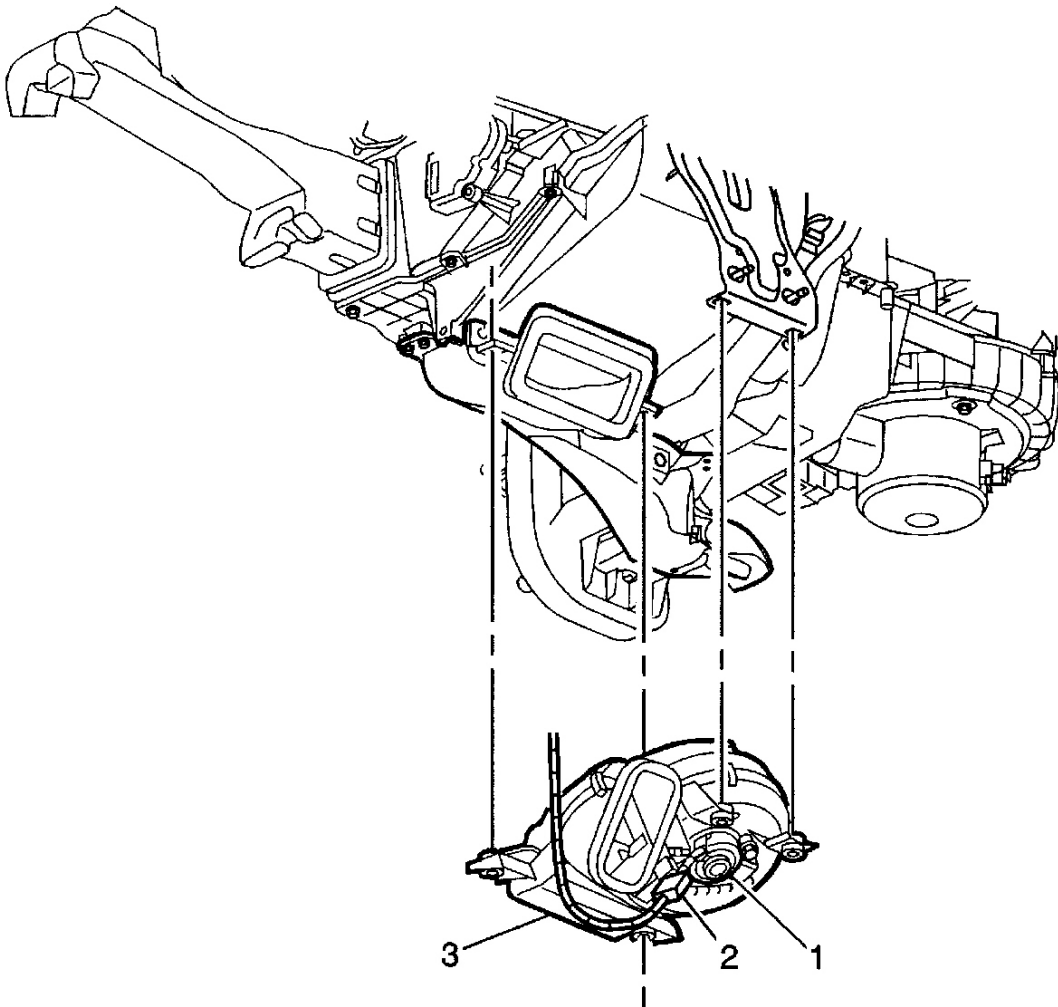


Fig. 33: Center Of Dash

Courtesy of GENERAL MOTORS CORP.

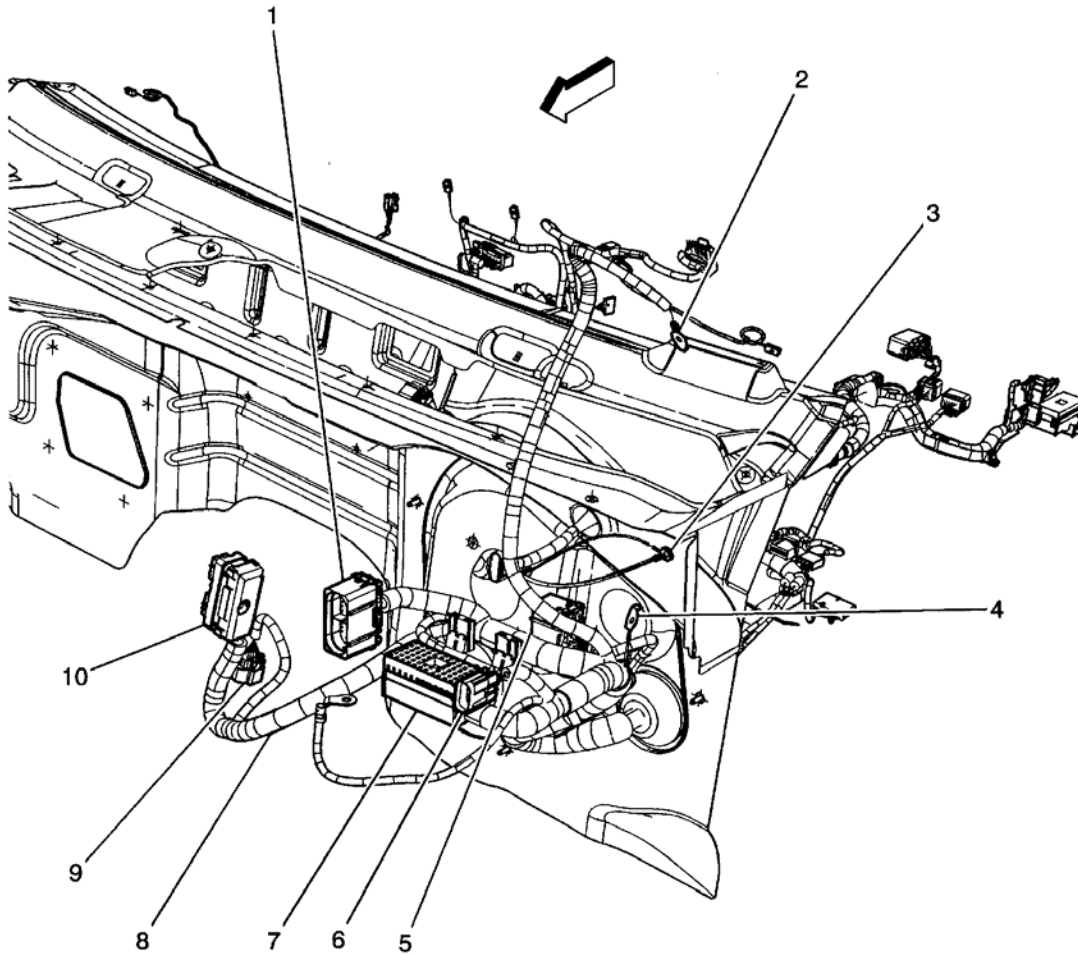


Fig. 34: Rear Of Engine Compartment
Courtesy of GENERAL MOTORS CORP.

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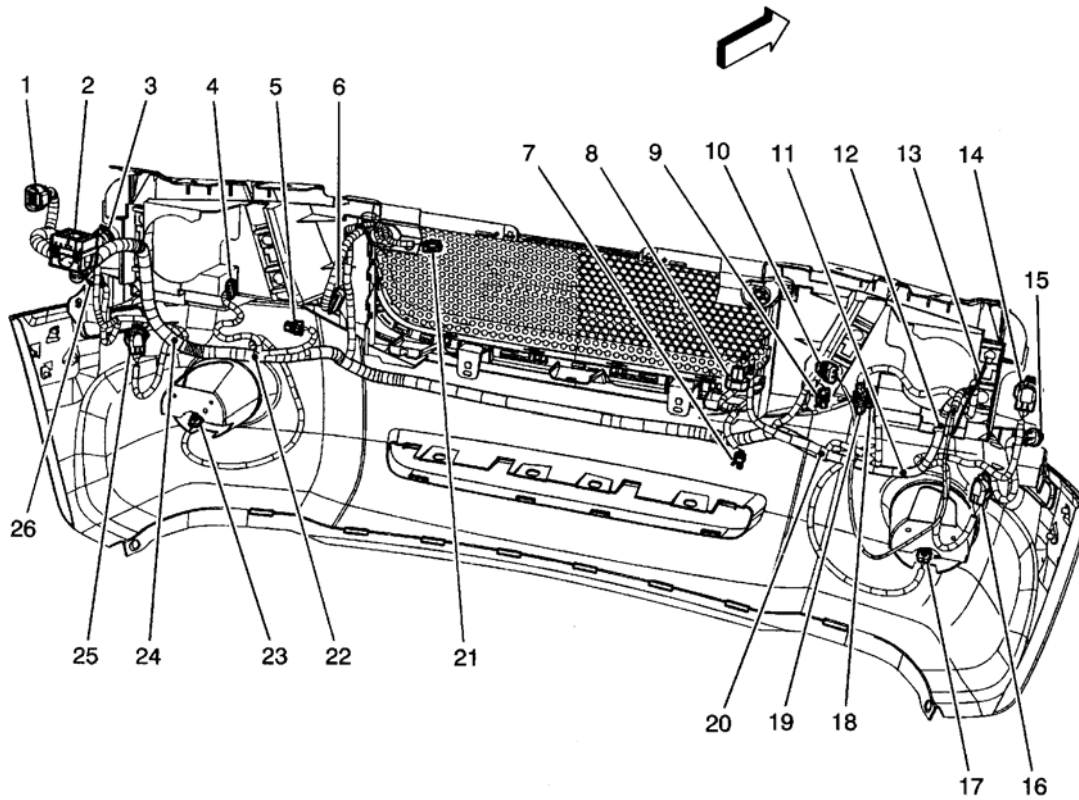


Fig. 35: Rear Of Front Fascia

Courtesy of GENERAL MOTORS CORP.

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2008 ISUZU Ascender

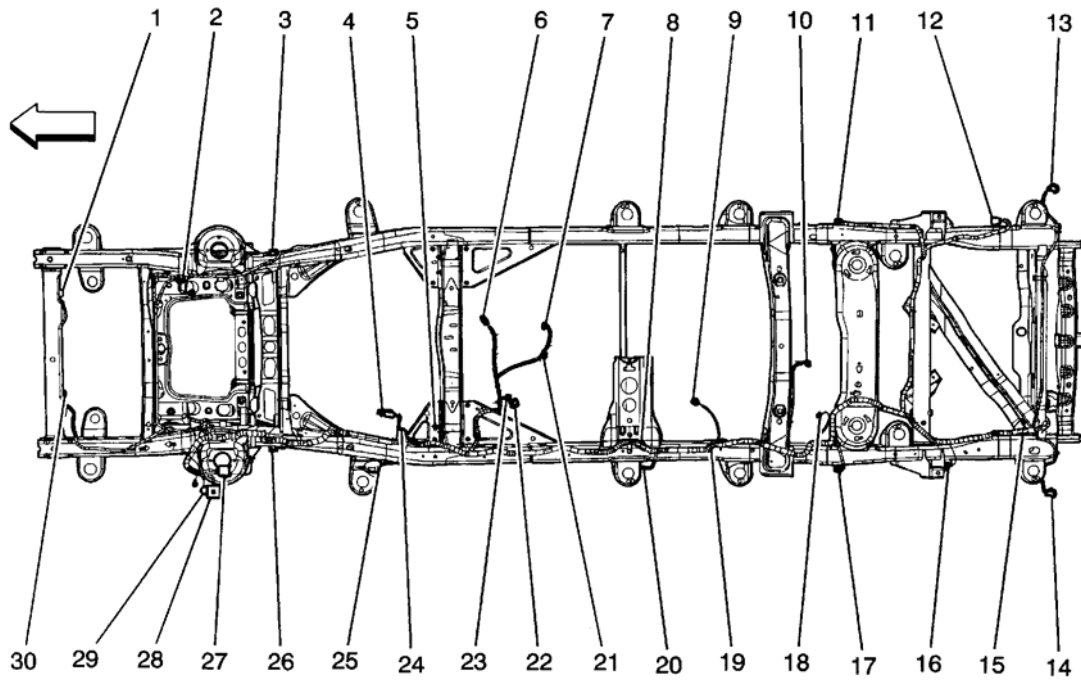


Fig. 36: Chassis

Courtesy of GENERAL MOTORS CORP.

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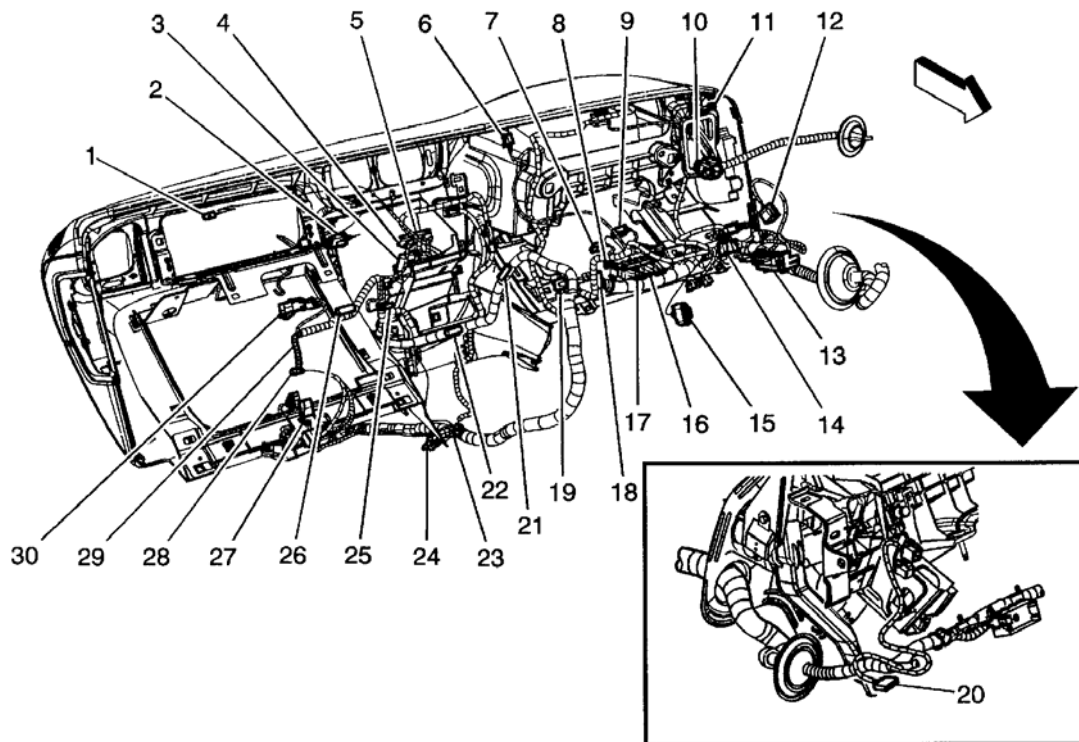


Fig. 37: Rear Of Dash

Courtesy of GENERAL MOTORS CORP.

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2008 ISUZU Ascender

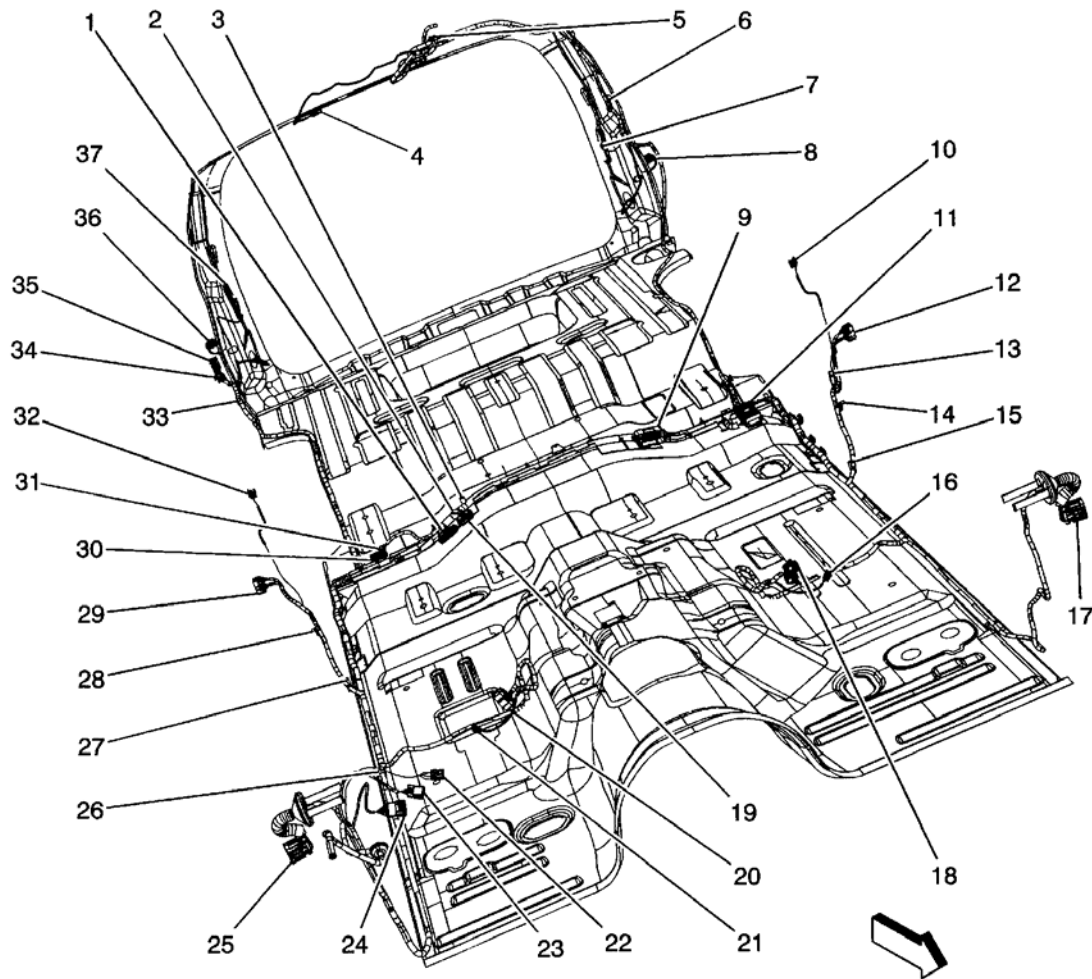


Fig. 38: Passenger Compartment
Courtesy of GENERAL MOTORS CORP.

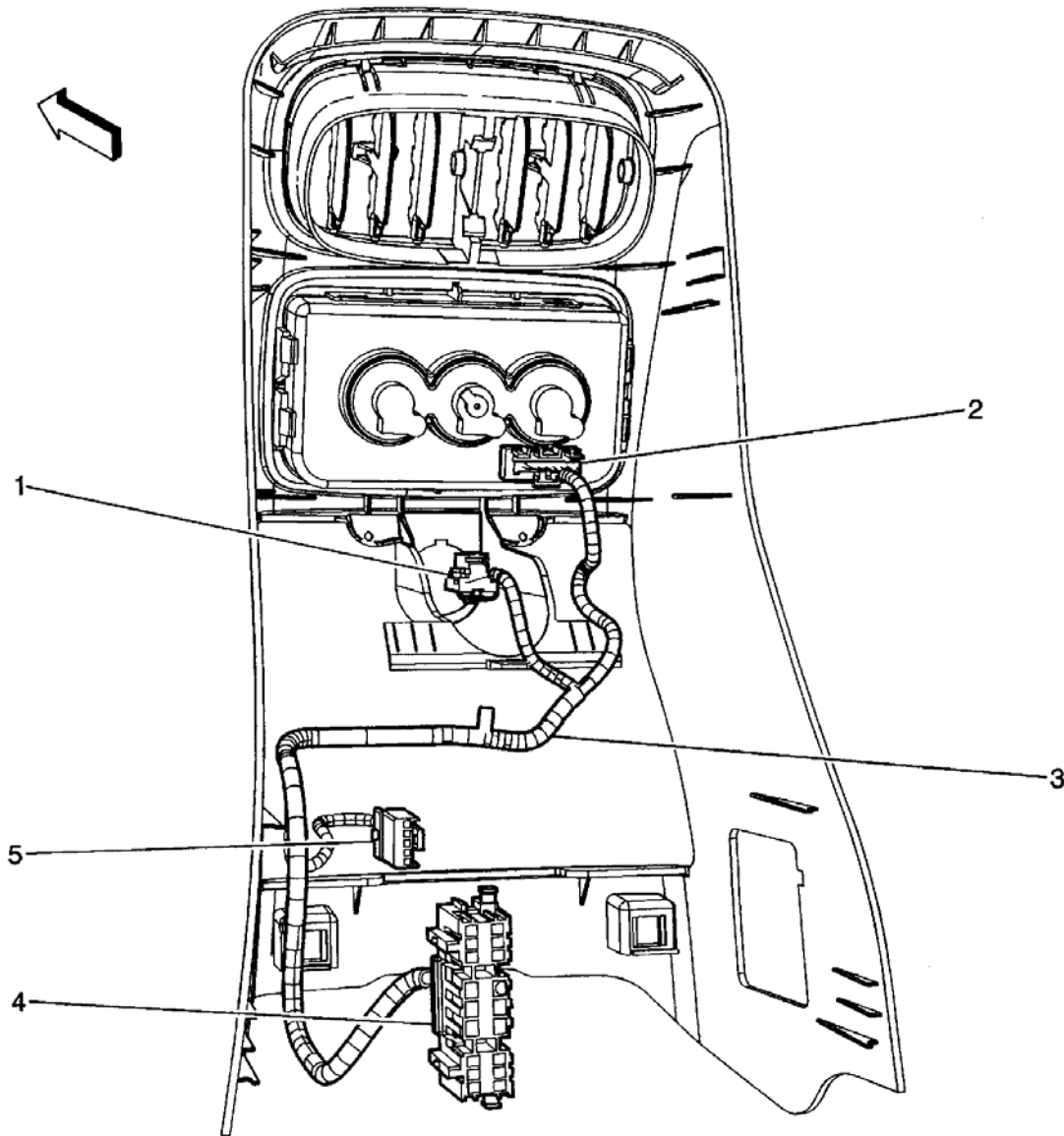
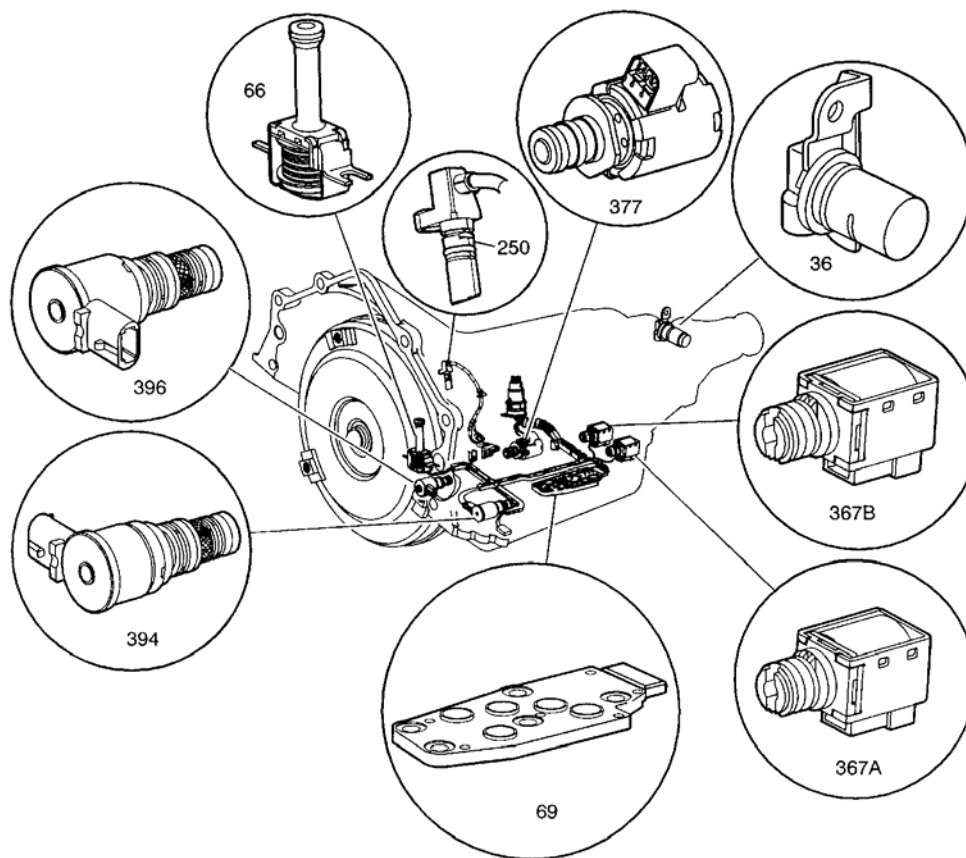


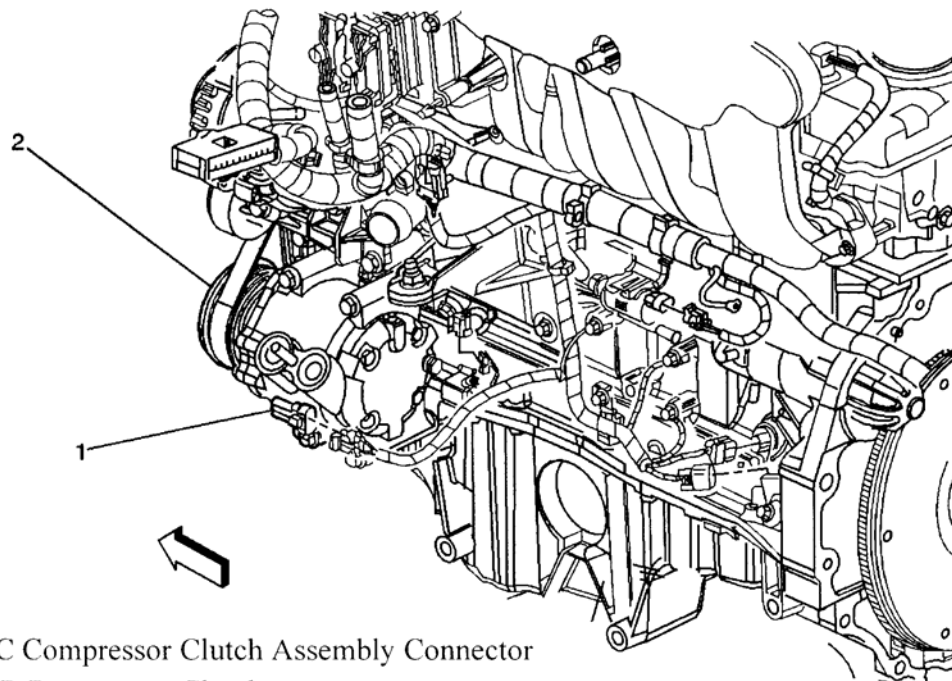
Fig. 39: Under Floor Console
Courtesy of GENERAL MOTORS CORP.



- (36) Vehicle Speed Sensor (VSS) - Model Dependent
- (66) Torque Converter Clutch (TCC) Solenoid Valve
- (69) Automatic Transmission Fluid Pressure (TFP) Manual Valve Position Switch
- (250) Input Speed Sensor (ISS) Assembly - Model Dependent
- (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 Assembly
- (396) Torque Converter Clutch Pulse Width Modulation (TCC PWM) Solenoid Valve

G00440966

Fig. 40: Electronic Components
Courtesy of GENERAL MOTORS CORP.

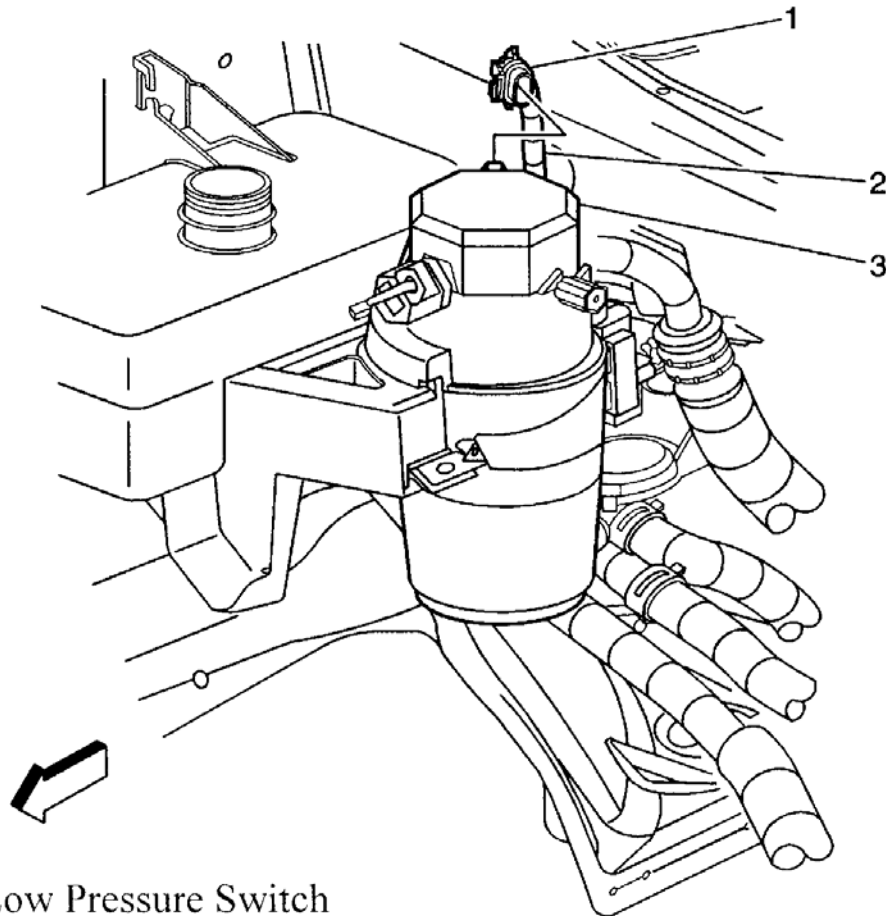


(1) A/C Compressor Clutch Assembly Connector

(2) A/C Compressor Clutch

G00440967

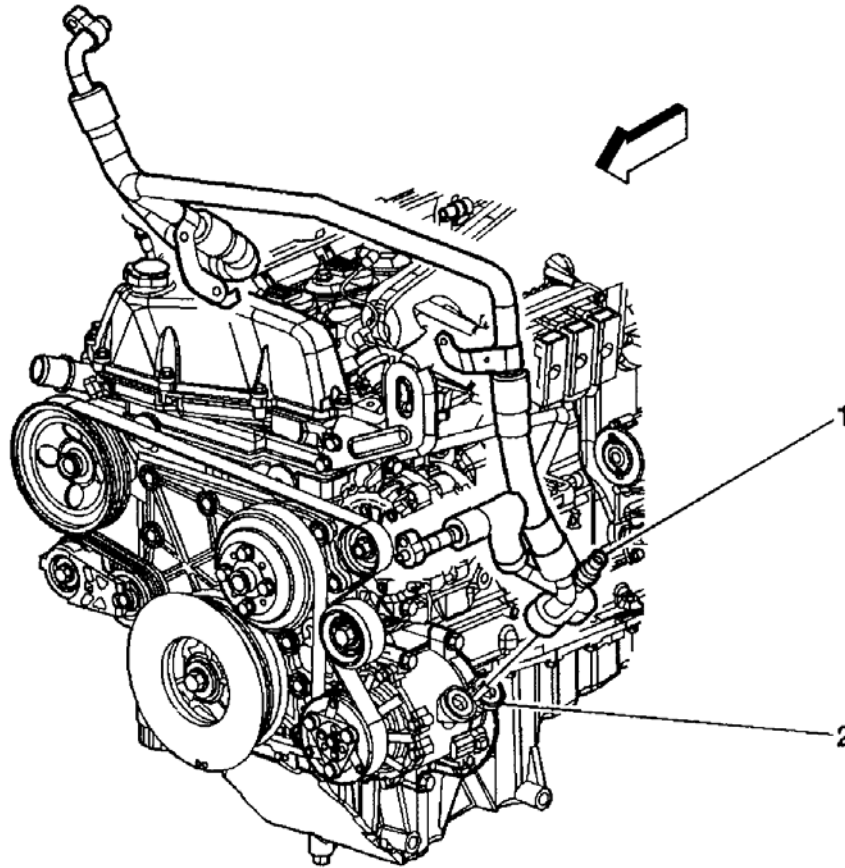
Fig. 41: Lower Left Side Of Engine
Courtesy of GENERAL MOTORS CORP.



- (1) A/C Low Pressure Switch
- (2) Forward Lamp Harness
- (3) A/C Accumulator

G00440969

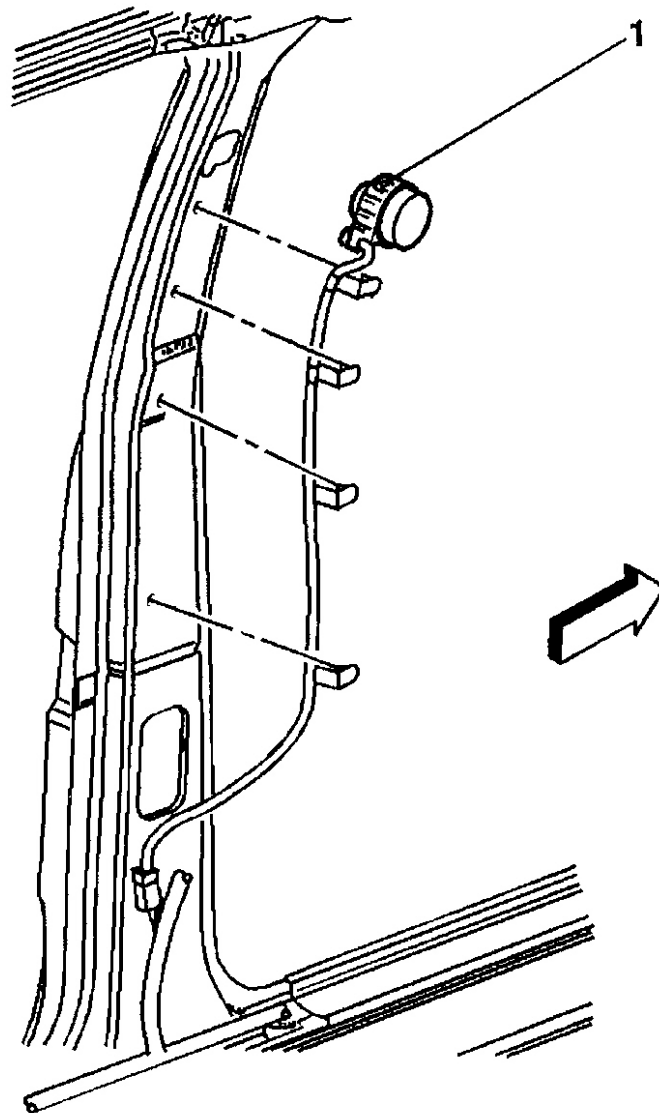
Fig. 42: Right Rear Of Engine Compartment
Courtesy of GENERAL MOTORS CORP.



- (1) A/C Refrigerant Pressure Sensor
- (2) A/C Compressor

G00440970

Fig. 43: Left Front Of Engine
Courtesy of GENERAL MOTORS CORP.

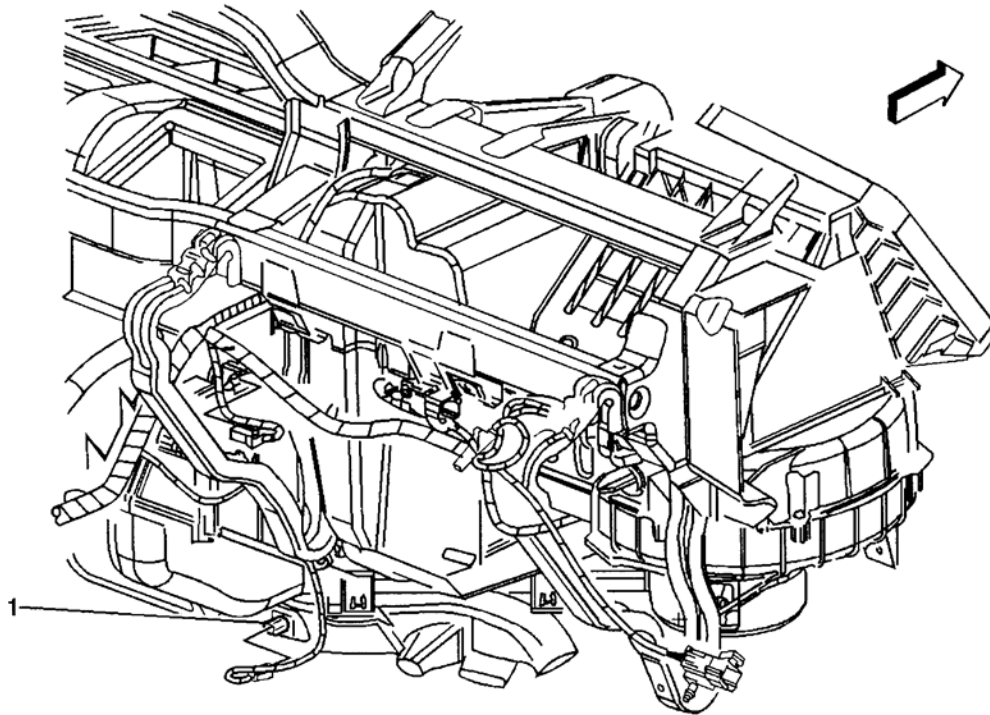


(1) Air Temperature Sensor Assembly - Inside

G00440971

Fig. 44: Left "B" Pillar

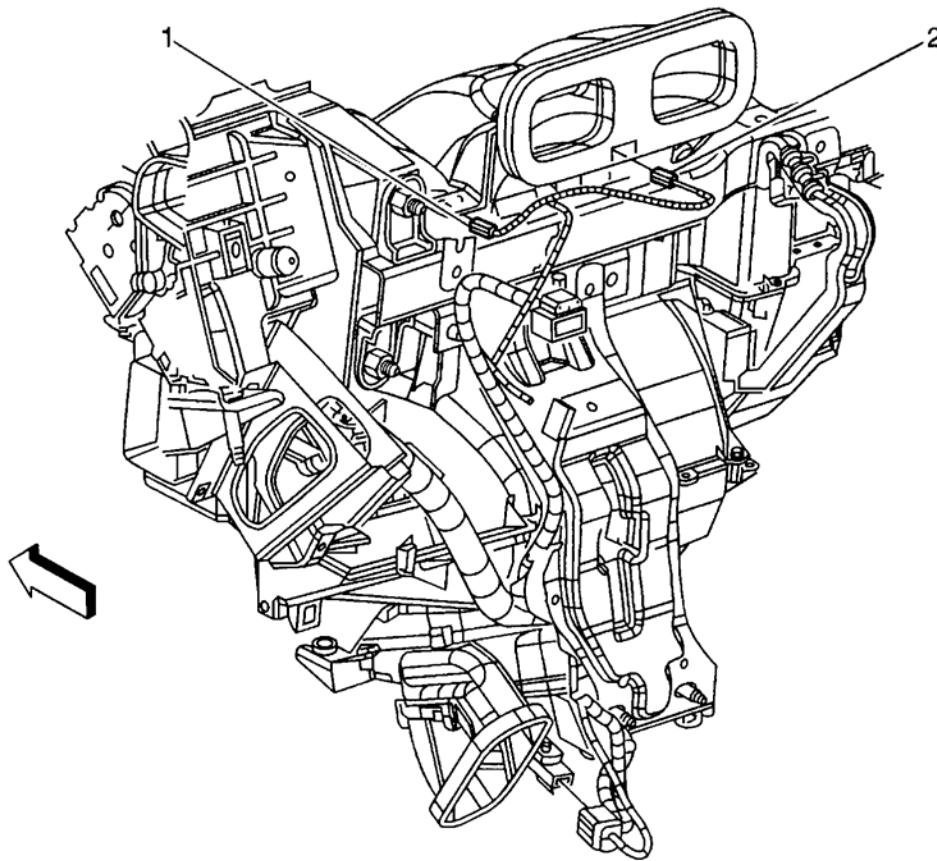
Courtesy of GENERAL MOTORS CORP.



(1) Air Temperature Sensor - Lower Right

G00440972

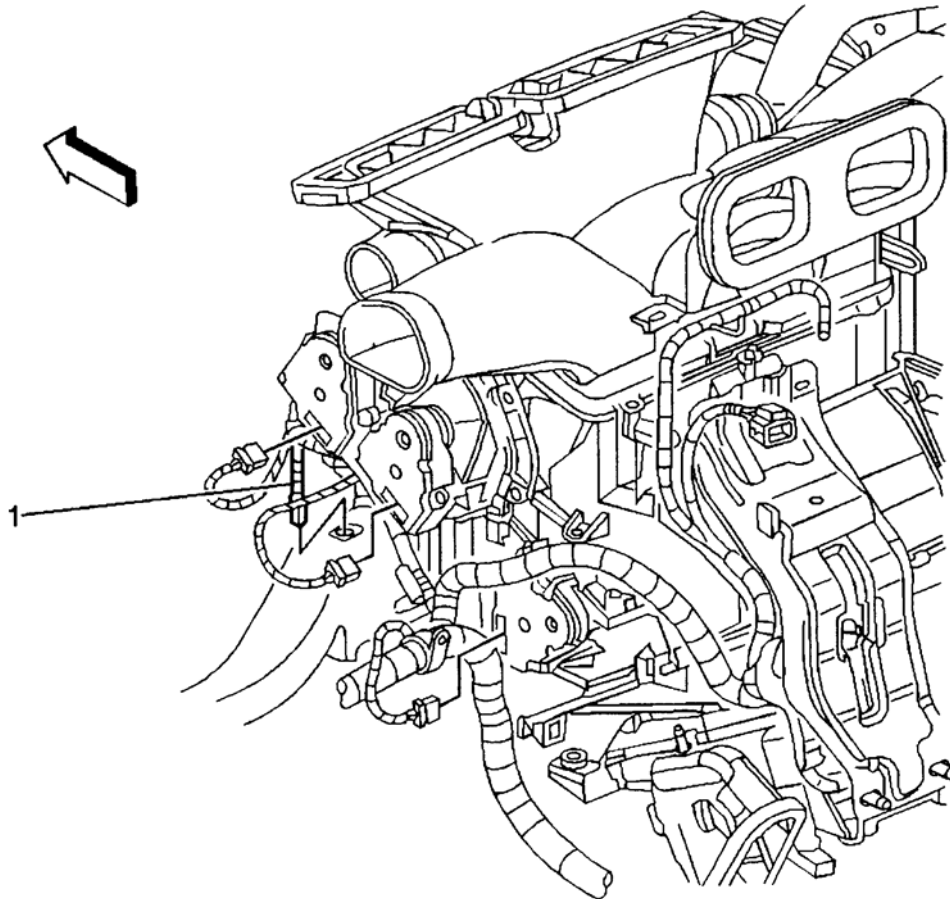
Fig. 45: Right Side Of Instrument Panel Carrier
Courtesy of GENERAL MOTORS CORP.



- (1) Air Temperature Sensor - Upper Left
- (2) Air Temperature Sensor - Upper Right

G00440973

Fig. 46: Air Duct In Instrument Panel Carrier
Courtesy of GENERAL MOTORS CORP.



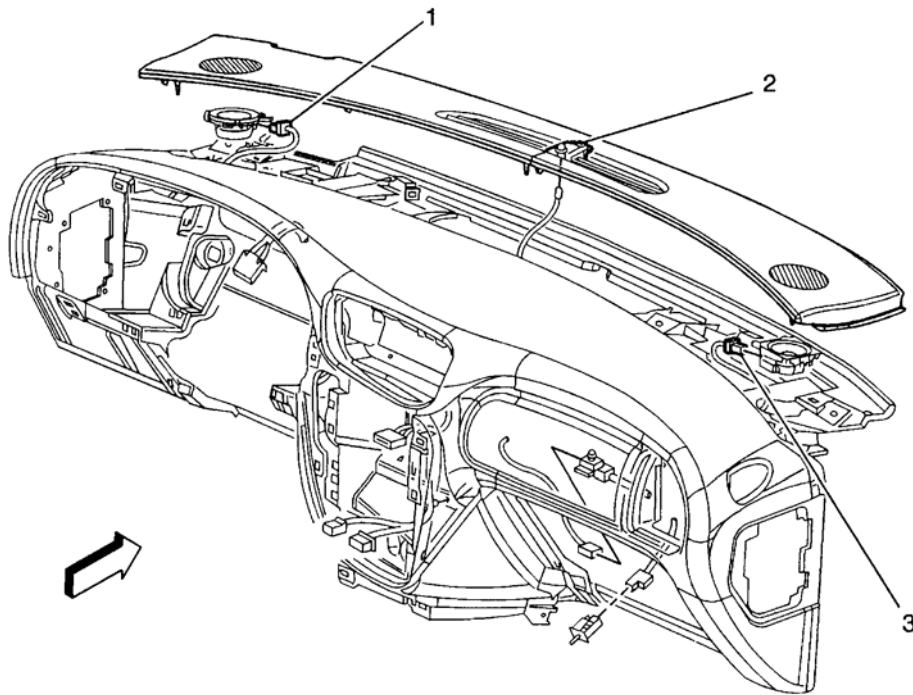
(1) Air Temperature Sensor - Lower Left

G00440974

Fig. 47: Center Section Of Instrument Panel Carrier
Courtesy of GENERAL MOTORS CORP.

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(1) Speaker - LF I/P (UQA)

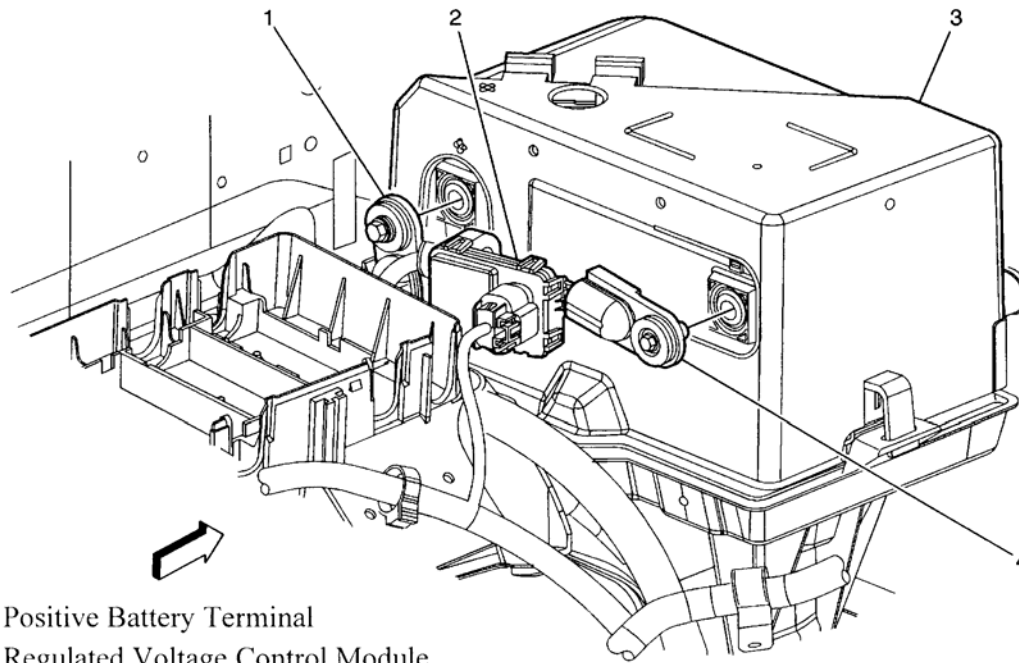
(2) Ambient Light Sensor (CJ3)/Ambient Light/Sunload Sensor Assembly (CJ2)

(3) Speaker - RF I/P (UQA)

G00440975

Fig. 48: Dash Panel

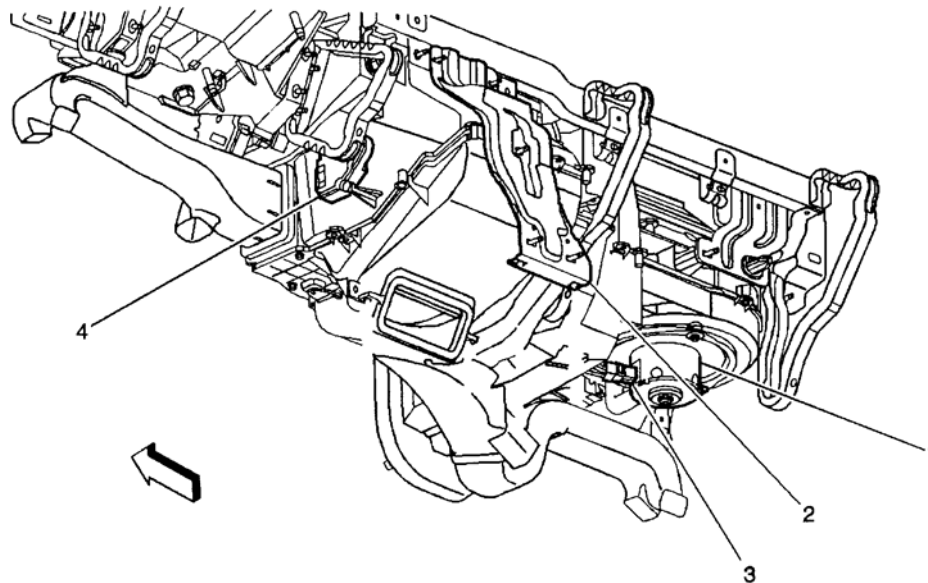
Courtesy of GENERAL MOTORS CORP.



- (1) Positive Battery Terminal
- (2) Regulated Voltage Control Module
- (3) Battery
- (4) Negative Battery Terminal

G00440976

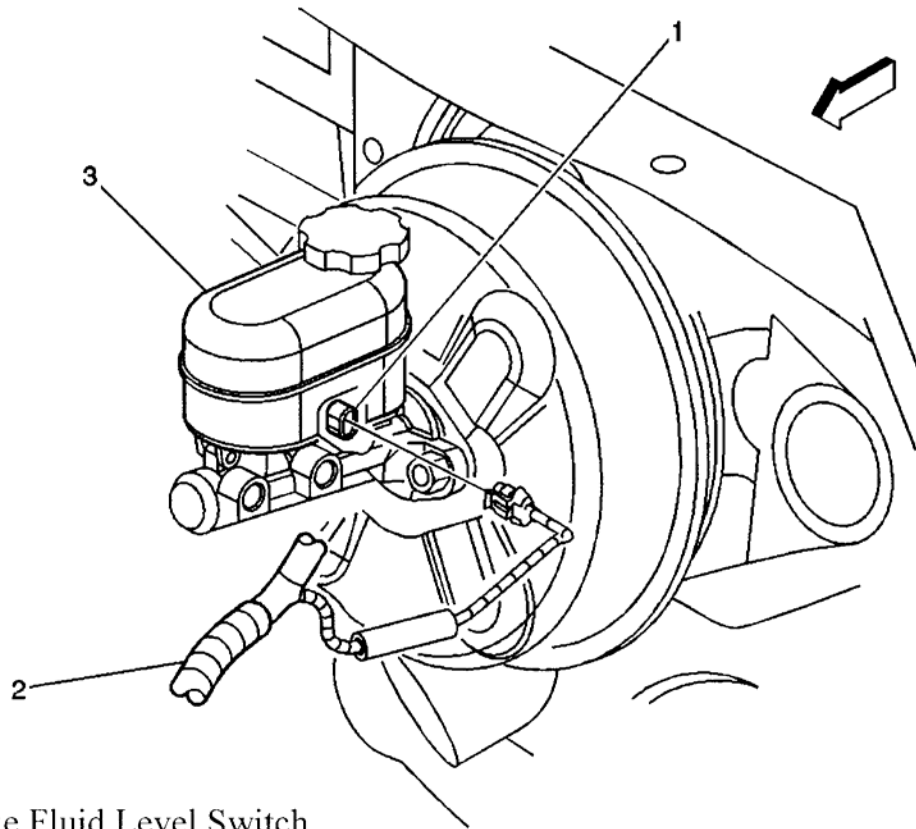
Fig. 49: Battery
Courtesy of GENERAL MOTORS CORP.



- (1) Blower Motor
- (2) I/P Center Support
- (3) Blower Motor Control Module
- (4) Air Temperature Actuator - Left

G00440977

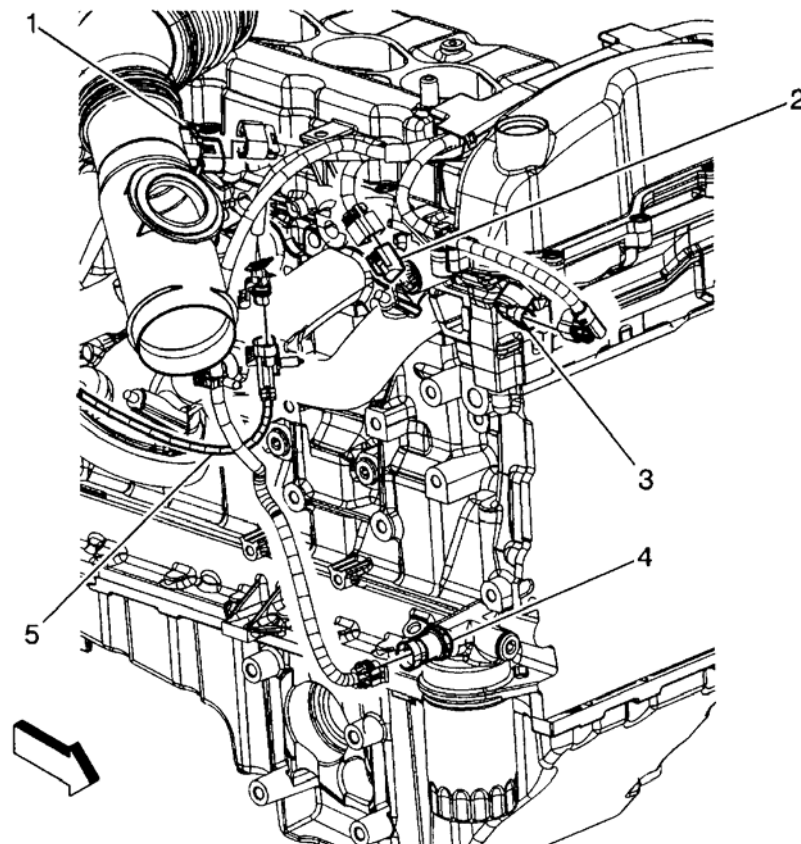
Fig. 50: Instrument Panel Carrier
Courtesy of GENERAL MOTORS CORP.



- (1) Brake Fluid Level Switch
- (2) Chassis Harness
- (3) Brake Master Cylinder

G00440978

Fig. 51: Brake Fluid Level Switch
Courtesy of GENERAL MOTORS CORP.



- (1) Mass Air Flow (MAF) / Intake Air Temperature (IAT) Sensor
- (2) Camshaft Actuator Solenoid Assembly
- (3) Camshaft Position (CMP) Sensor
- (4) Engine Oil Pressure (EOP) Switch
- (5) Heated Oxygen Sensor (HO2S) Sensor 1

G00440979

Fig. 52: Right Front Side Of Engine
Courtesy of GENERAL MOTORS CORP.

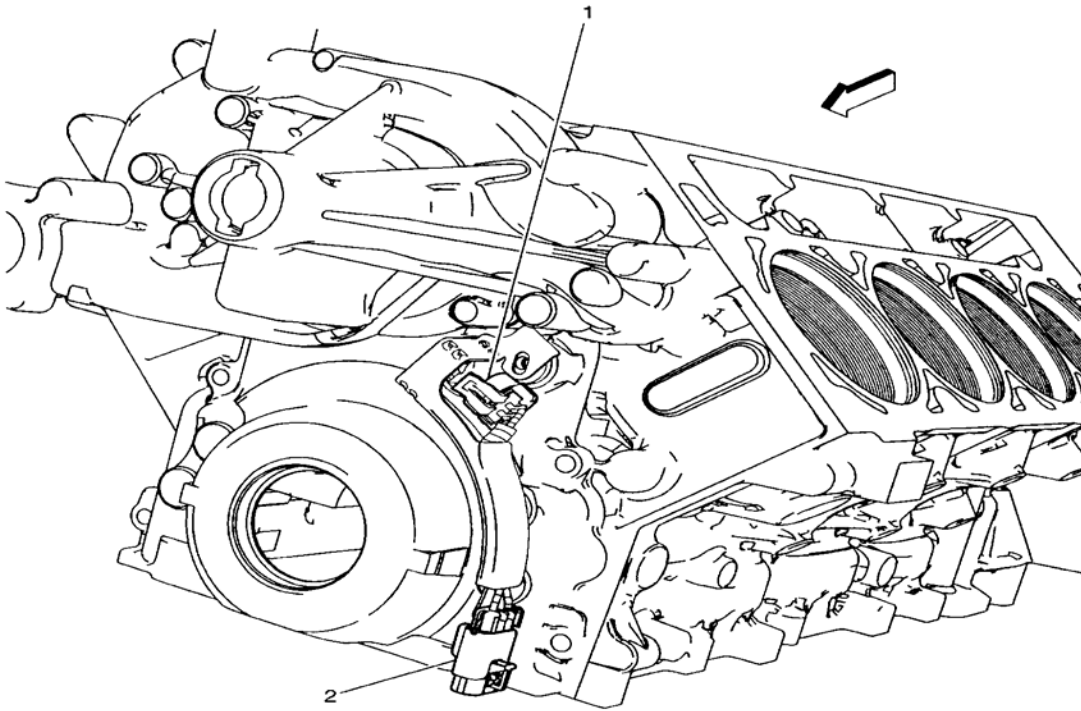
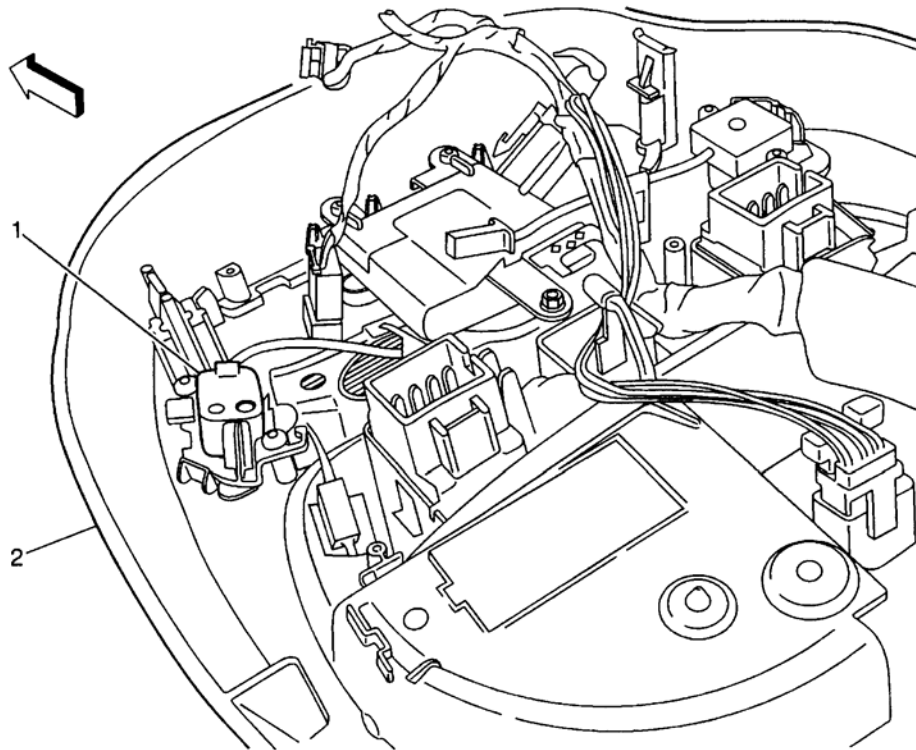


Fig. 53: Camshaft Position (CMP) Sensor
Courtesy of GENERAL MOTORS CORP.



- (1) Cellular Microphone (UE1)
- (2) Overhead Console

G00440981

Fig. 54: Overhead Console
Courtesy of GENERAL MOTORS CORP.

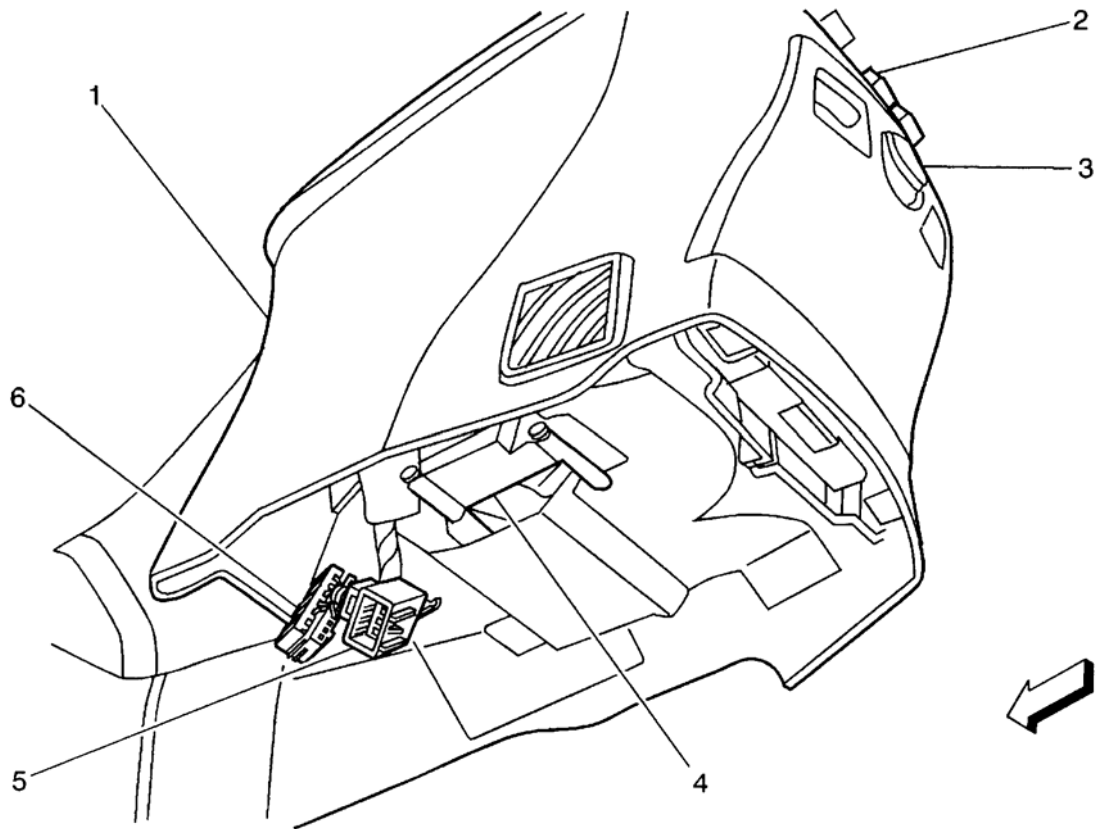


Fig. 55: Lower Console

Courtesy of GENERAL MOTORS CORP.

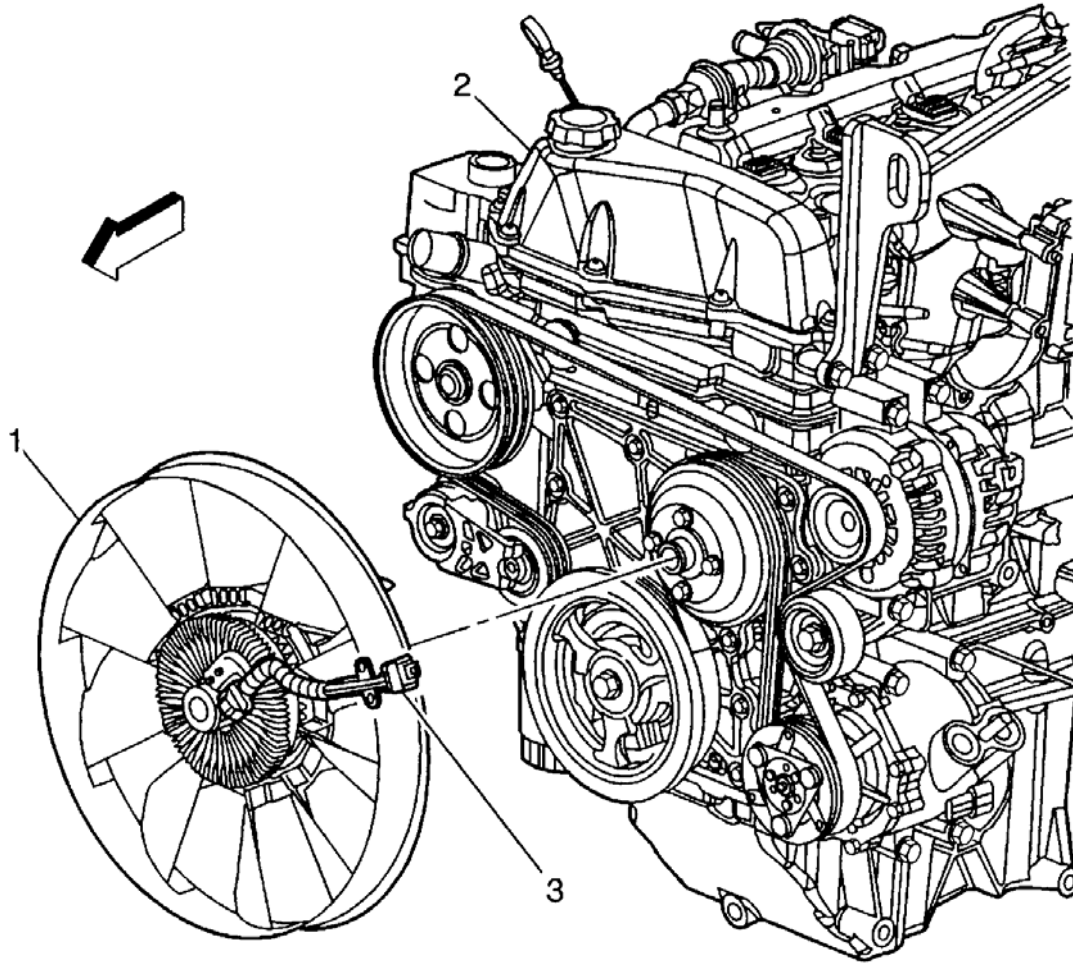


Fig. 56: Engine Cooling Fan
Courtesy of GENERAL MOTORS CORP.

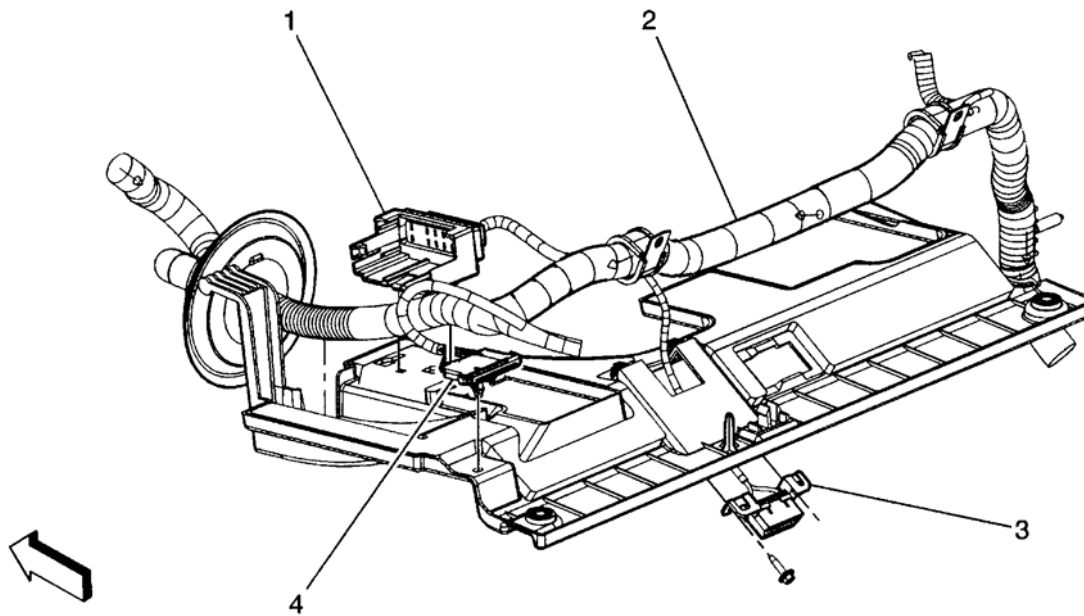
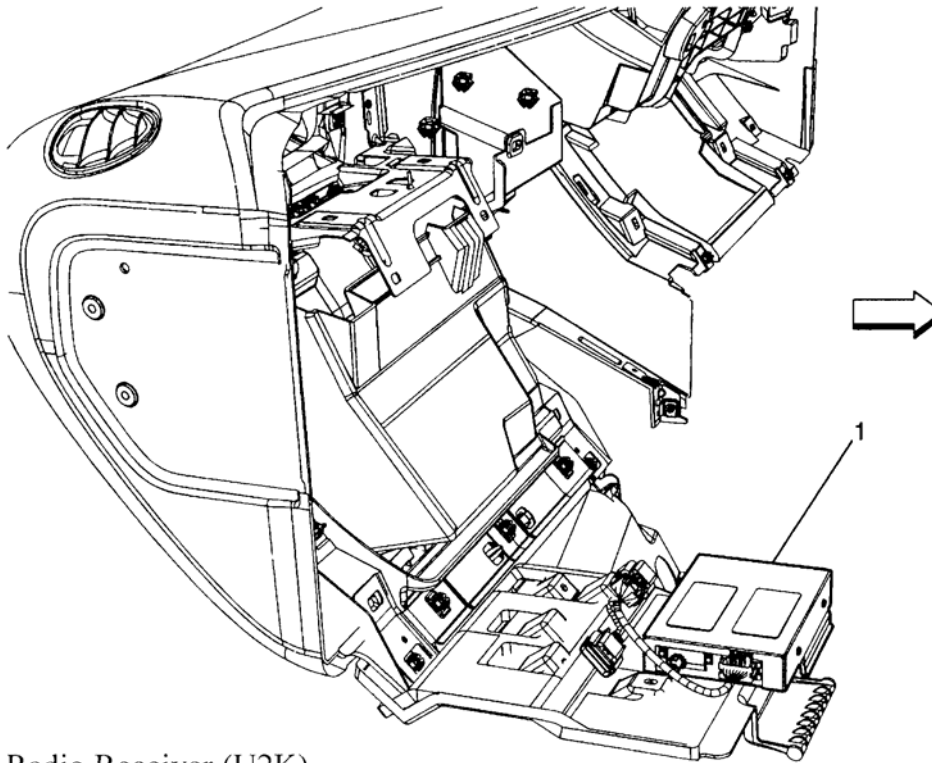


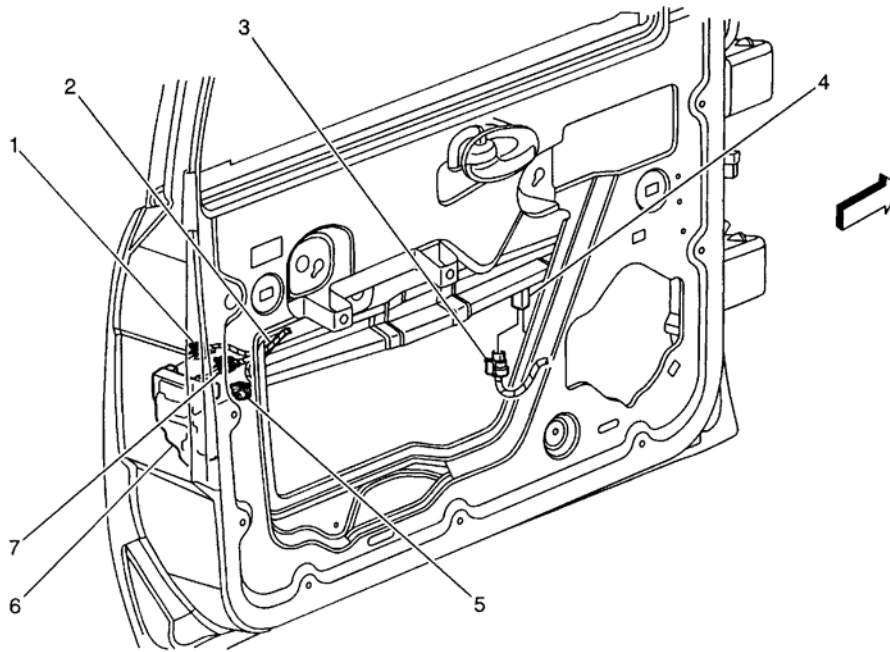
Fig. 57: Lower Left Side Of Dash
Courtesy of GENERAL MOTORS CORP.



(1) Digital Radio Receiver (U2K)

G00440985

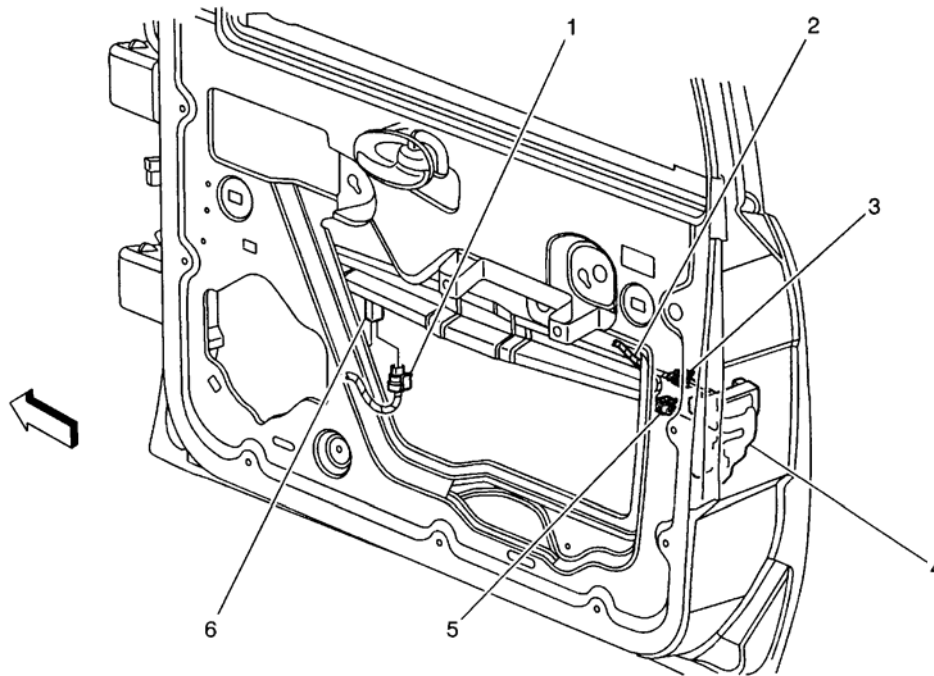
Fig. 58: Behind Right Side Of Instrument Panel
Courtesy of GENERAL MOTORS CORP.



- (1) Door Latch Assembly - Driver C3 (UA2/UA6)
- (2) Left Front Door Harness
- (3) Window Motor Connector - Driver
- (4) Window Motor - Driver
- (5) Door Latch Assembly - Driver C2
- (6) Door Latch Assembly - Driver
- (7) Door Latch Assembly - Driver C1

G00440986

Fig. 59: Driver Door
Courtesy of GENERAL MOTORS CORP.



- (1) Window Motor Connector - Front Passenger
- (2) Right Front Door Harness
- (3) Door Latch Assembly - Passenger C1
- (4) Door Latch Assembly - Passenger
- (5) Door Latch Assembly - Passenger C2
- (6) Window Motor - Front Passenger

G00440987

Fig. 60: Front Passenger Door

Courtesy of GENERAL MOTORS CORP.

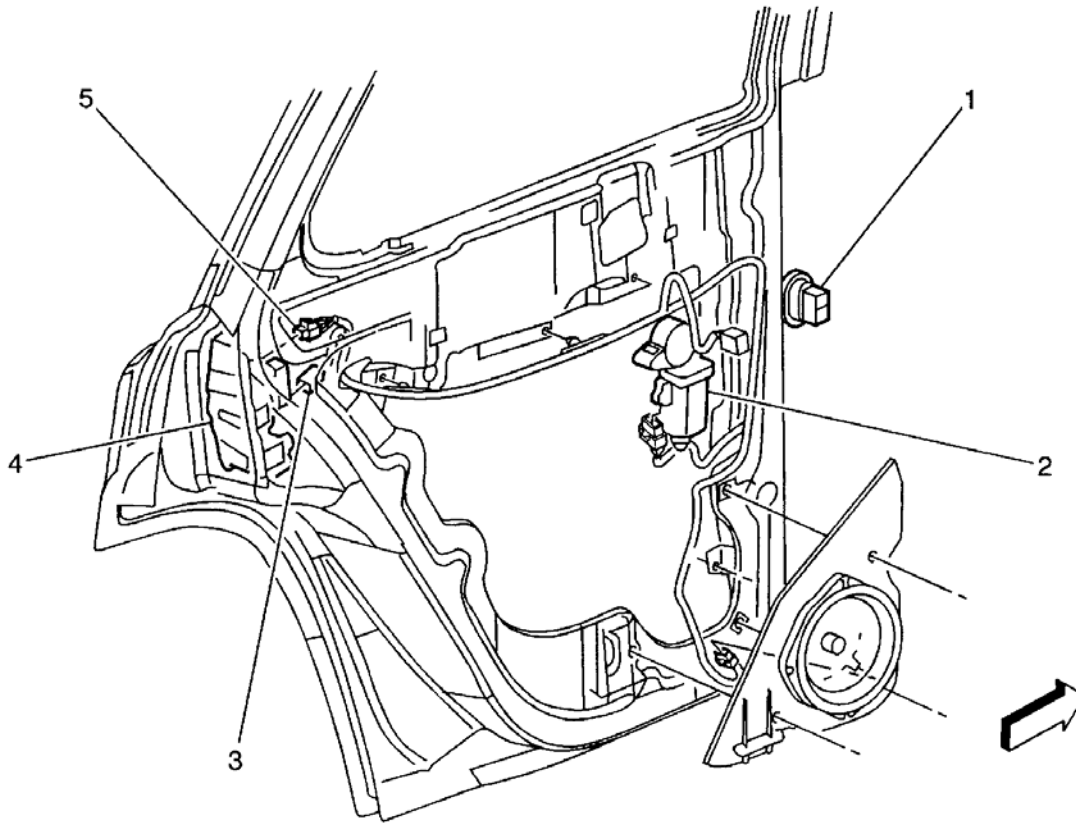


Fig. 61: Left Rear Door
Courtesy of GENERAL MOTORS CORP.

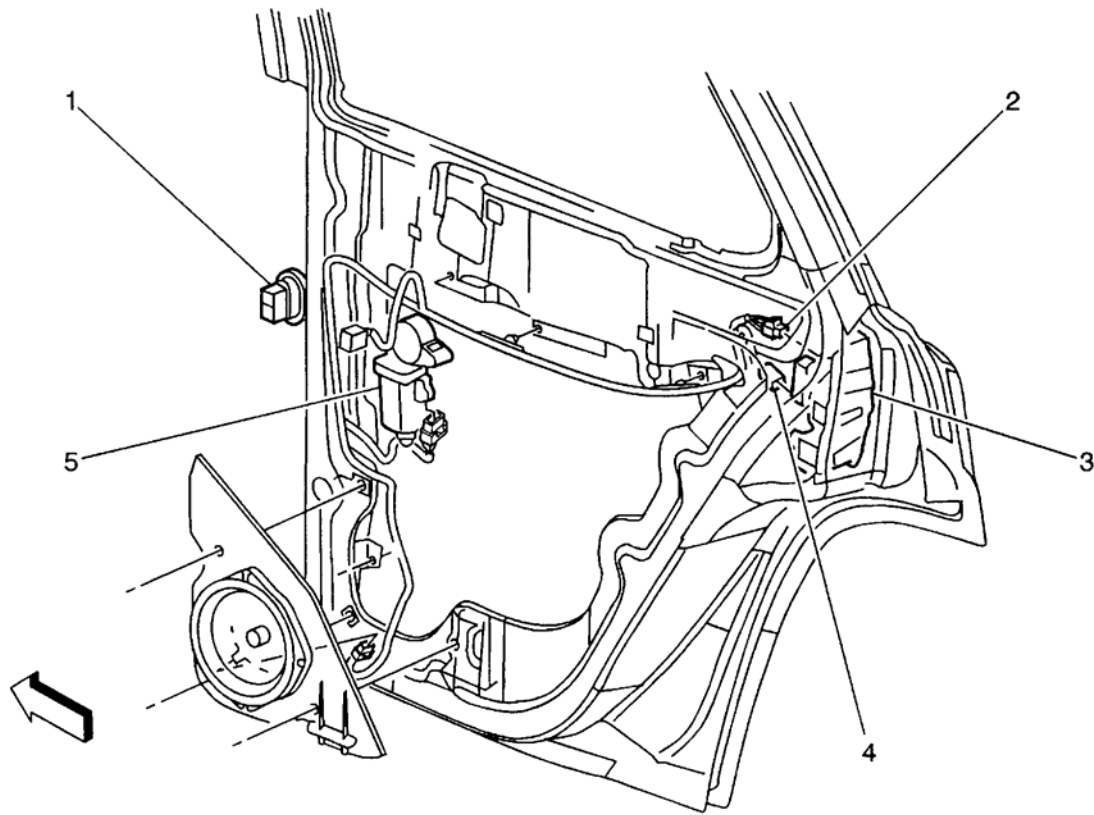
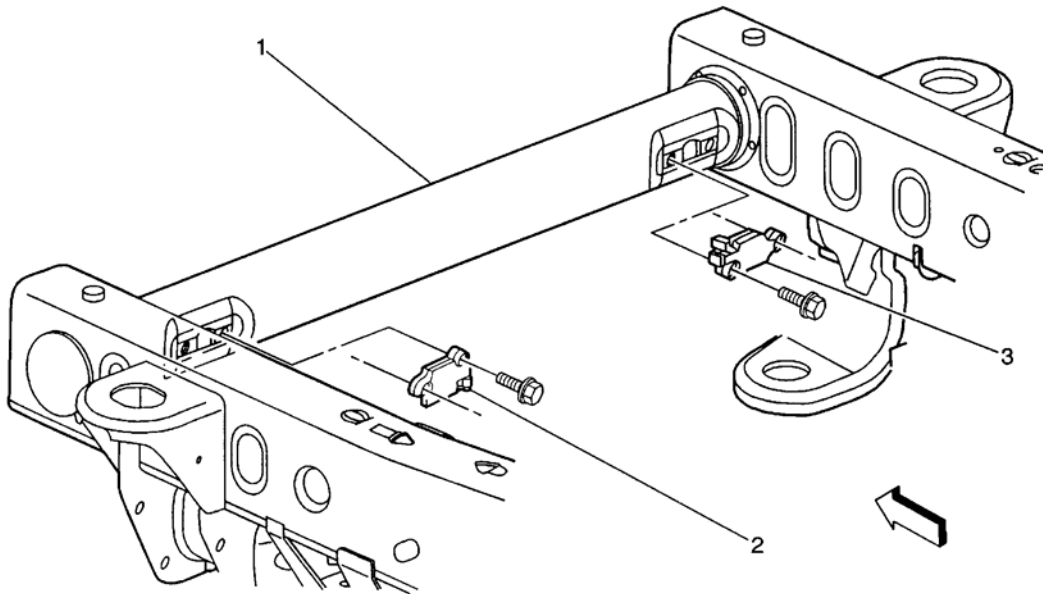


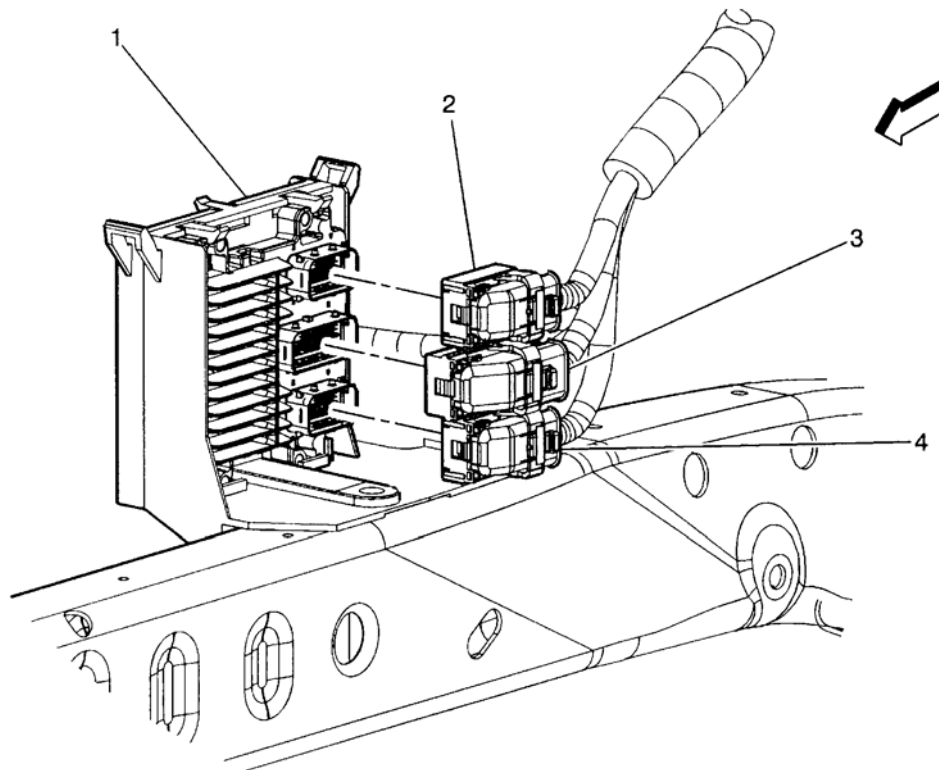
Fig. 62: Right Rear Door
Courtesy of GENERAL MOTORS CORP.



- (1) Frame - Front
- (2) Electronic Frontal Sensor (EFS) - Left
- (3) Electronic Frontal Sensor (EFS) - Right

G00440991

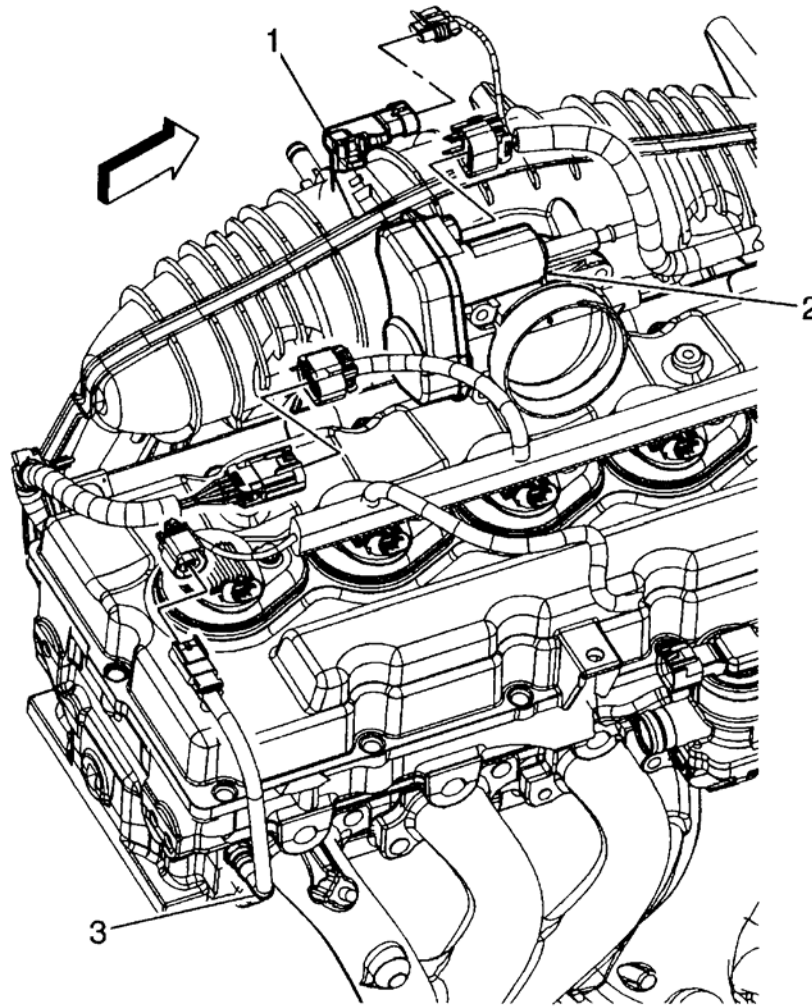
Fig. 63: Electronic Frontal Sensors
Courtesy of GENERAL MOTORS CORP.



- (1) Engine Control Module (ECM)
- (2) Engine Control Module (ECM) C3
- (3) Engine Control Module (ECM) C2
- (4) Engine Control Module (ECM) C1

G00440992

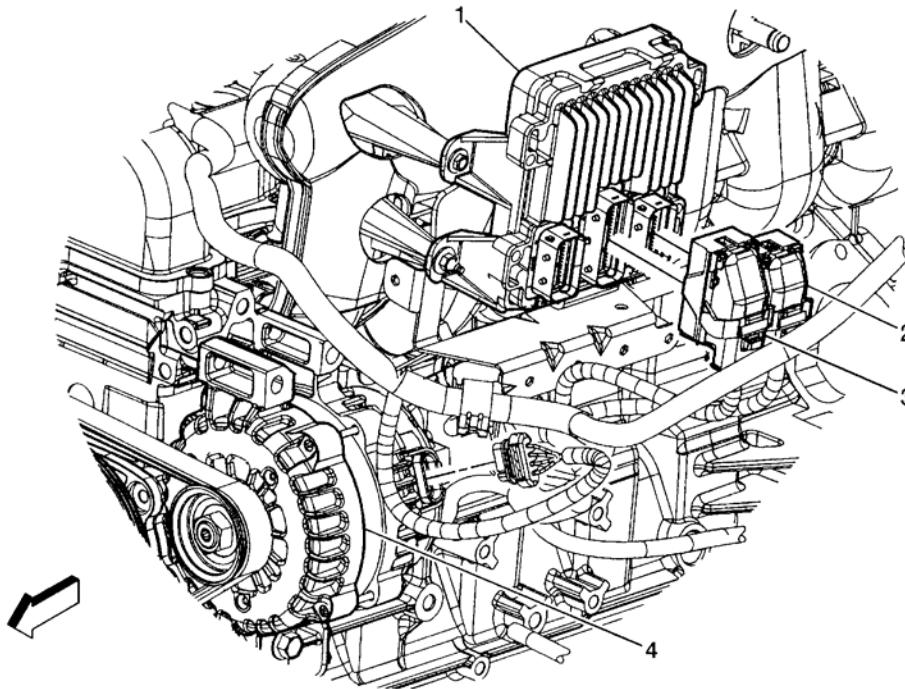
Fig. 64: Engine Control Module (ECM)
Courtesy of GENERAL MOTORS CORP.



- (1) Manifold Absolute Pressure (MAP) Sensor
- (2) Throttle Body
- (3) Engine Coolant Temperature (ECT) Sensor

G00440994

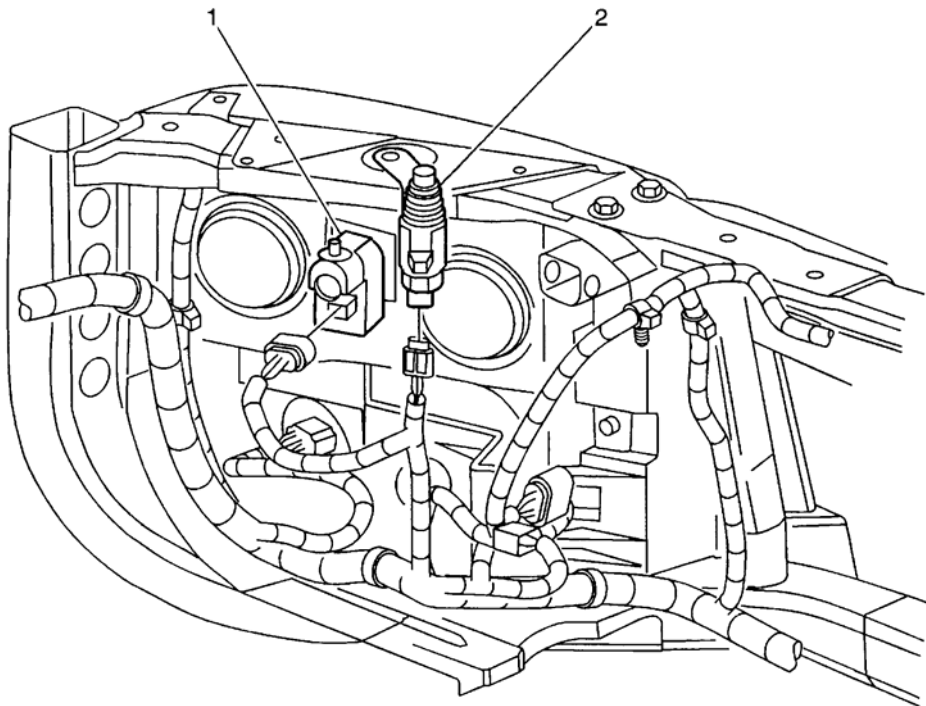
Fig. 65: Upper Right Side Of Engine
Courtesy of GENERAL MOTORS CORP.



- (1) Powertrain Control Module (PCM)
- (2) Powertrain Control Module (PCM) C3
- (3) Powertrain Control Module (PCM) C2
- (4) Generator

G00440995

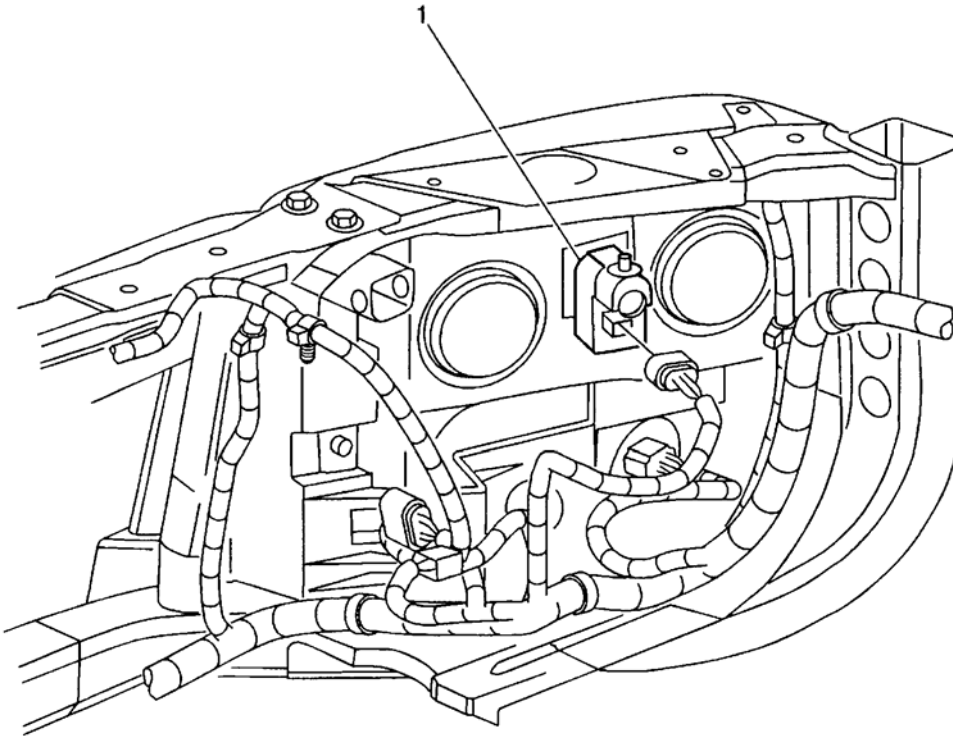
Fig. 66: Upper Left Side Of Engine
Courtesy of GENERAL MOTORS CORP.



- (1) Headlamp Leveling Actuator - Left (TR6)
(2) Hood Ajar Switch (UA2)

G00440997

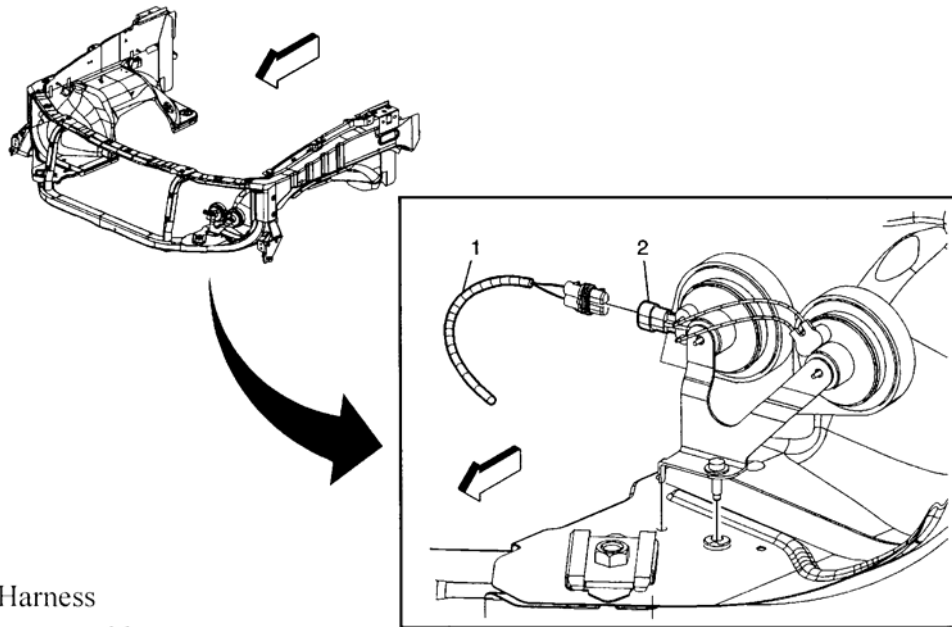
Fig. 67: Behind Left Headlamp
Courtesy of GENERAL MOTORS CORP.



(1) Headlamp Leveling Actuator - Right (TR6)

G00440998

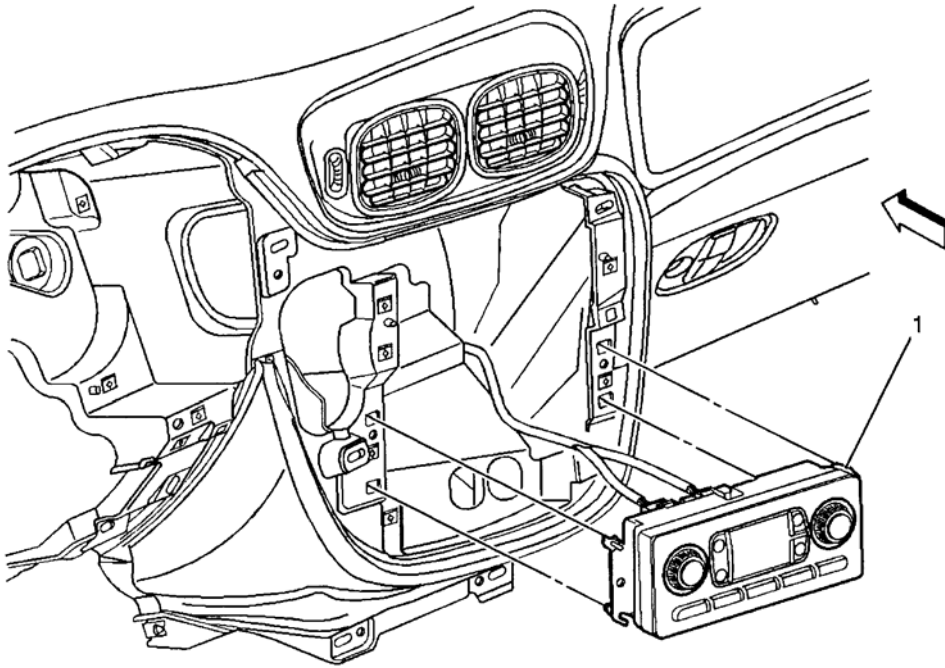
Fig. 68: Behind Right Headlamp
Courtesy of GENERAL MOTORS CORP.



- (1) I/P Harness
- (2) Horn Assembly

G00441000

Fig. 69: Horn Assembly
Courtesy of GENERAL MOTORS CORP.



(1) HVAC Control Module

G00441001

Fig. 70: Center Of Instrument Panel
Courtesy of GENERAL MOTORS CORP.

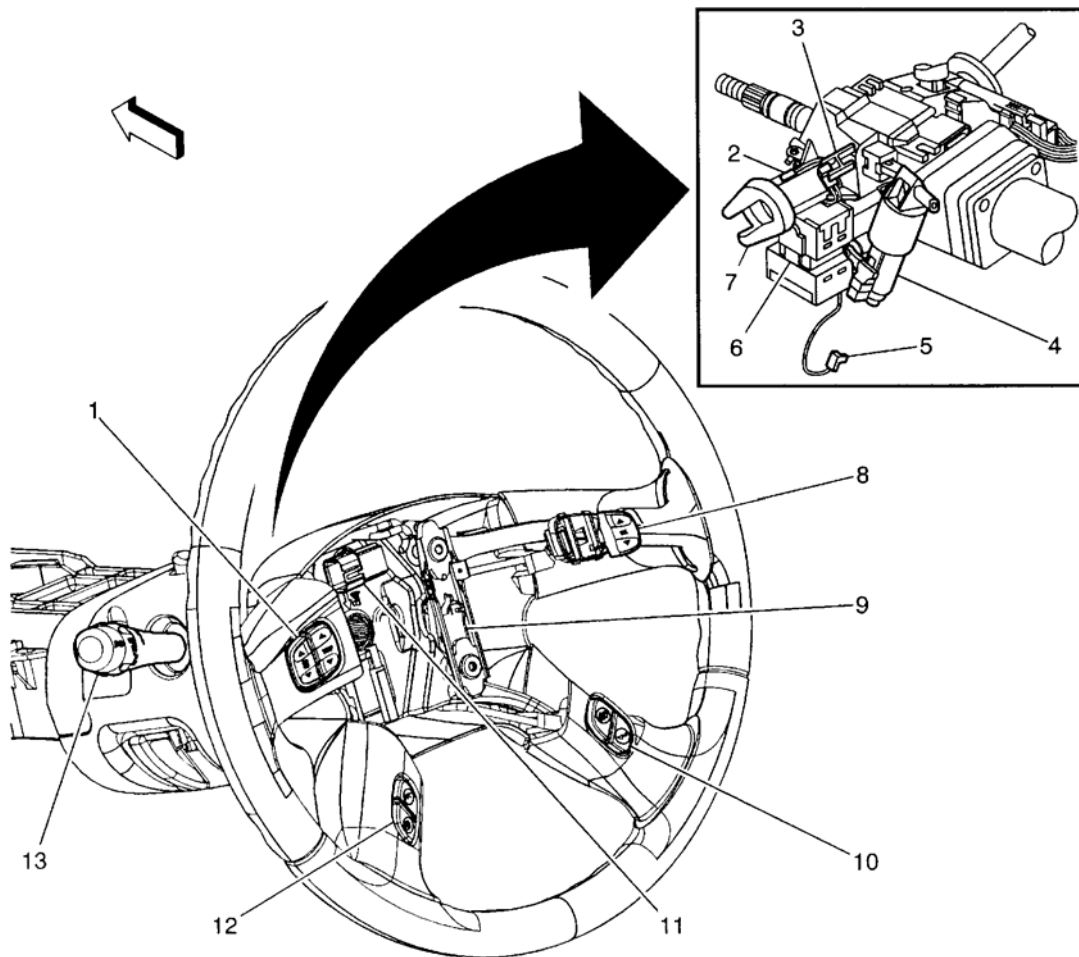
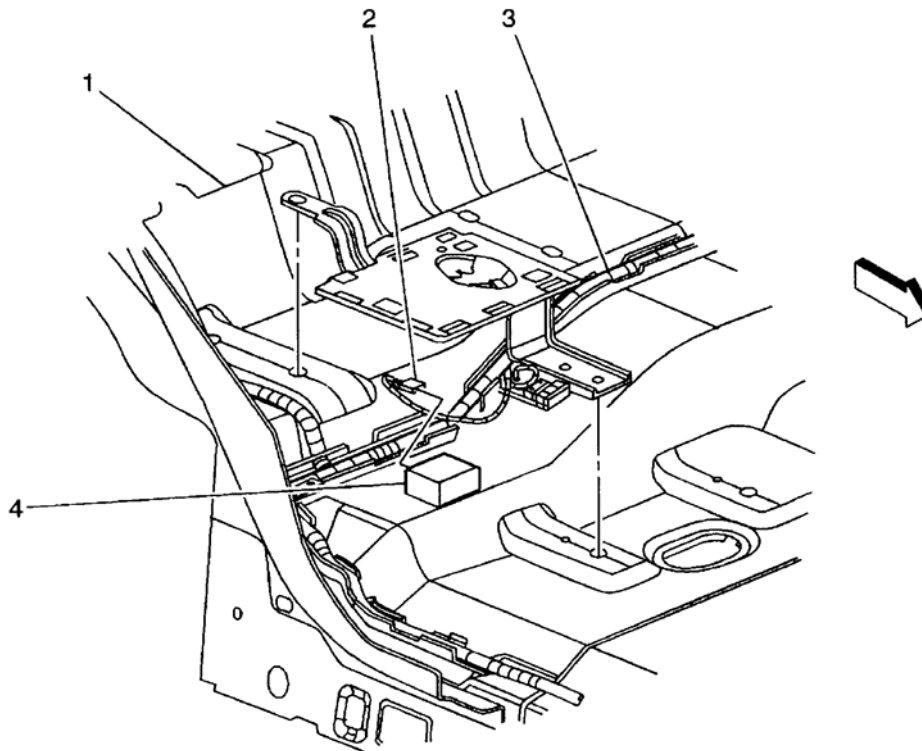


Fig. 71: Steering Wheel Column

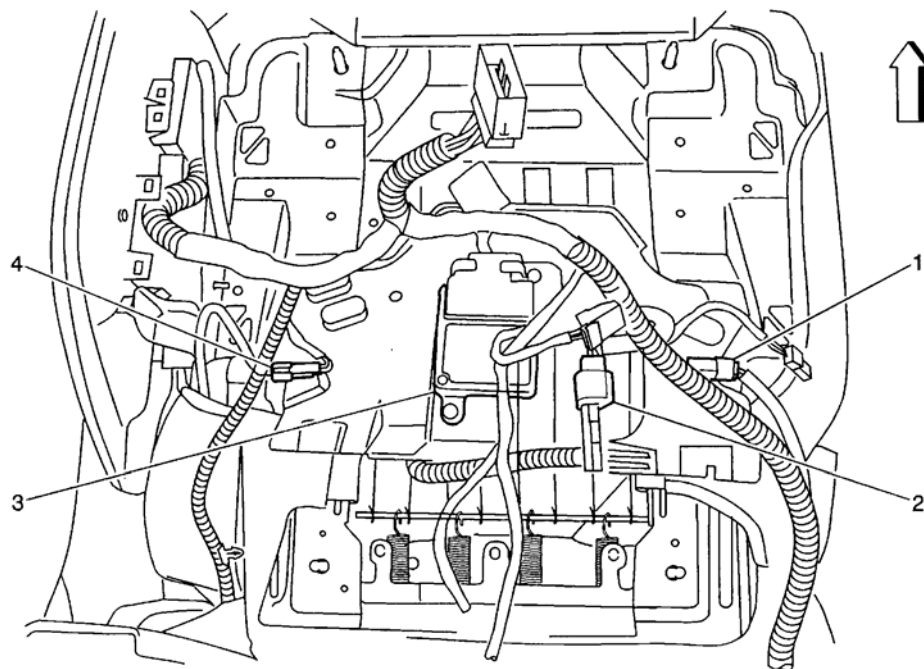
Courtesy of GENERAL MOTORS CORP.



- (1) Rear Floor Panel
- (2) Inclination Sensor Connector
- (3) Body Harness
- (4) Inclination Sensor

G00441004

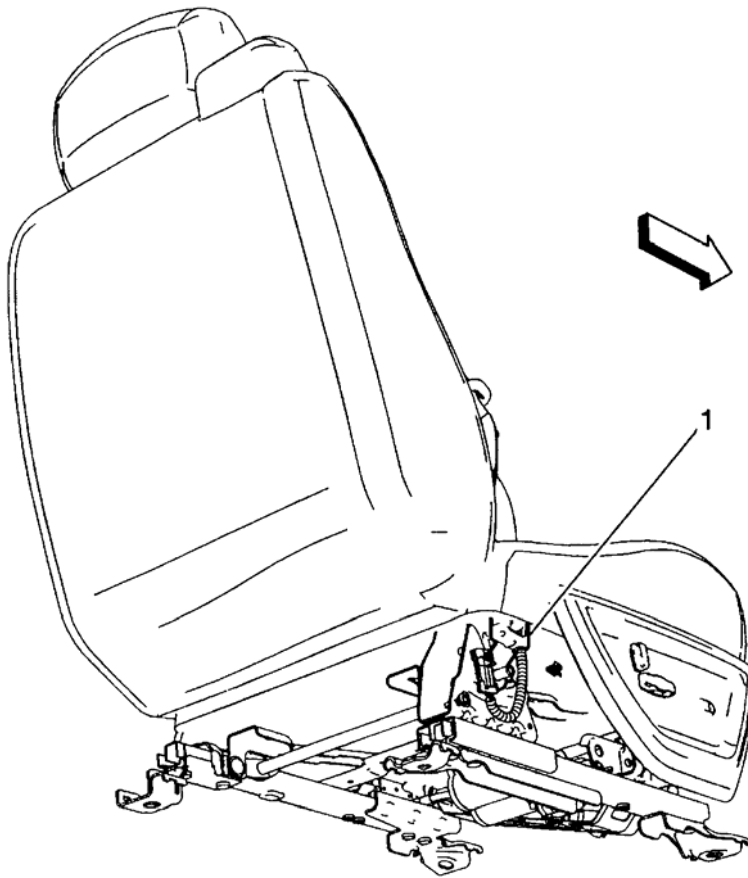
Fig. 72: Rear Floor
Courtesy of GENERAL MOTORS CORP.



- (1) Seat Belt Switch Connector - Passenger
- (2) Inflatable Restraint Front Passenger Presence System (PPS) Sensor
- (3) Inflatable Restraint Front Passenger Presence System (PPS) Module
- (4) Heated Seat Element Connector - Passenger Cushion (w/Heat)

G00441005

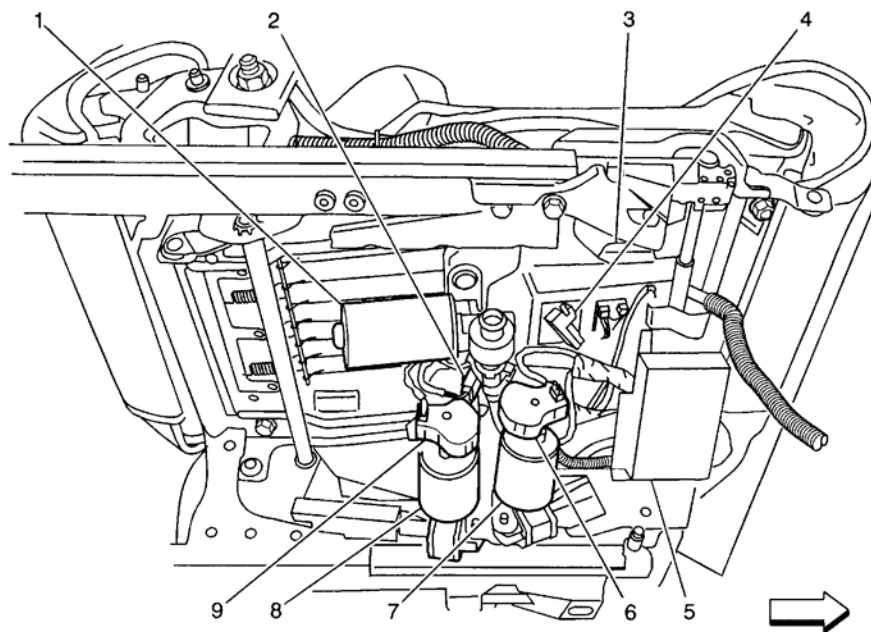
Fig. 73: Beneath Passenger Seat Cushion
Courtesy of GENERAL MOTORS CORP.



(1) Inflatable restraint Passenger Seat Belt Tension Retractor Sensor

G00441006

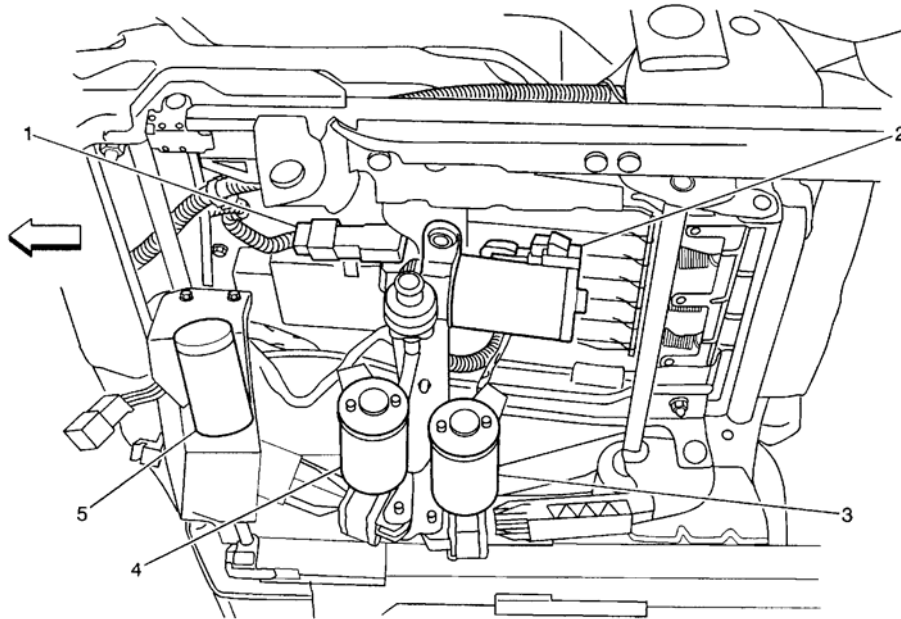
Fig. 74: Right Rear Of Passenger Seat
Courtesy of GENERAL MOTORS CORP.



- (1) Seat Recline Motor - Driver (AR9)
- (2) Seat Position Sensor - Recline (w/Memory)
- (3) Inflatable Restraint Seat Position Sensor (SPS) - Left
- (4) Seat Position Sensor - Horizontal (w/Memory)
- (5) Seat Horizontal Motor - Driver (AR9)
- (6) Seat Position Sensor - Front (w/Memory)
- (7) Seat Front Vertical Motor - Driver (AR9)
- (8) Seat Rear Vertical Motor - Driver (AR9)
- (9) Seat Position Sensor - Rear (w/Memory)

G00441007

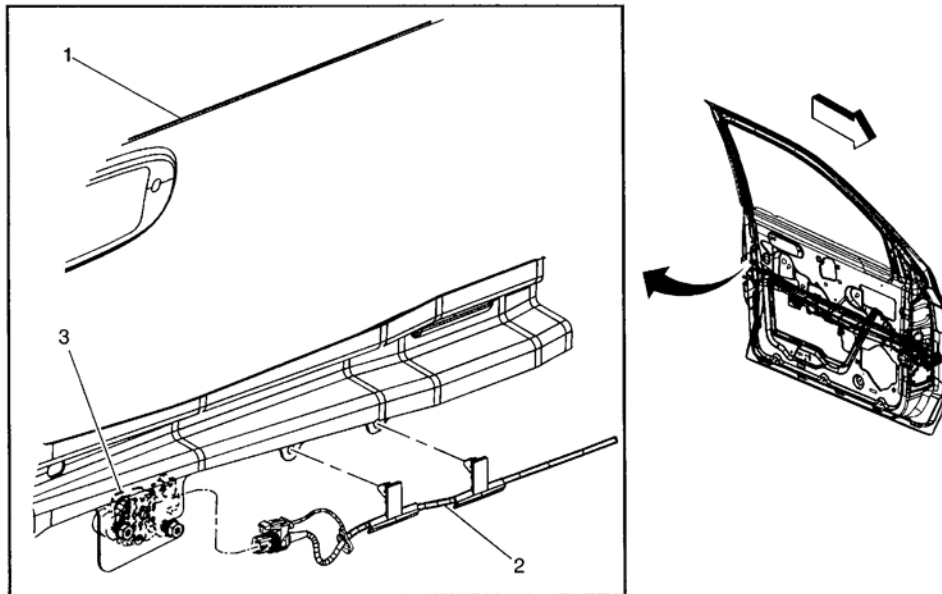
Fig. 75: Under Driver Seat
Courtesy of GENERAL MOTORS CORP.



- (1) Inflatable Restraint Seat Position Sensor (SPS) - Right
- (2) Seat Recline Motor - Passenger (V40)
- (3) Seat Rear Vertical Motor - Passenger (V40)
- (4) Seat Front Vertical Motor - Passenger (V40)
- (5) Seat Horizontal Motor - Passenger (V40)

G00441008

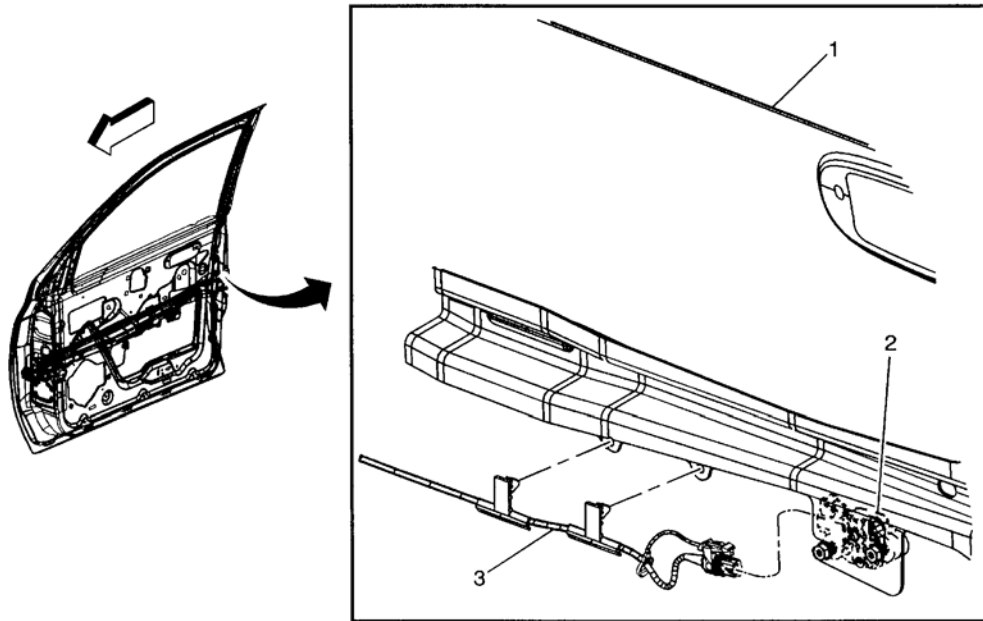
Fig. 76: Under Passenger Seat
Courtesy of GENERAL MOTORS CORP.



- (1) Driver Door
- (2) Left Front Door Harness
- (3) Inflatable Restraint Side Impact Sensor (SIS) - Left

G00441009

Fig. 77: Left Inflatable Restraint Side Impact Sensor (SIS)
Courtesy of GENERAL MOTORS CORP.



- (1) Front Passenger Door
- (2) Inflatable Restraint Side Impact Sensor (SIS) - Right
- (3) Right Front Door Harness

G00441010

Fig. 78: Right Inflatable Restraint Side Impact Sensor (SIS)
Courtesy of GENERAL MOTORS CORP.

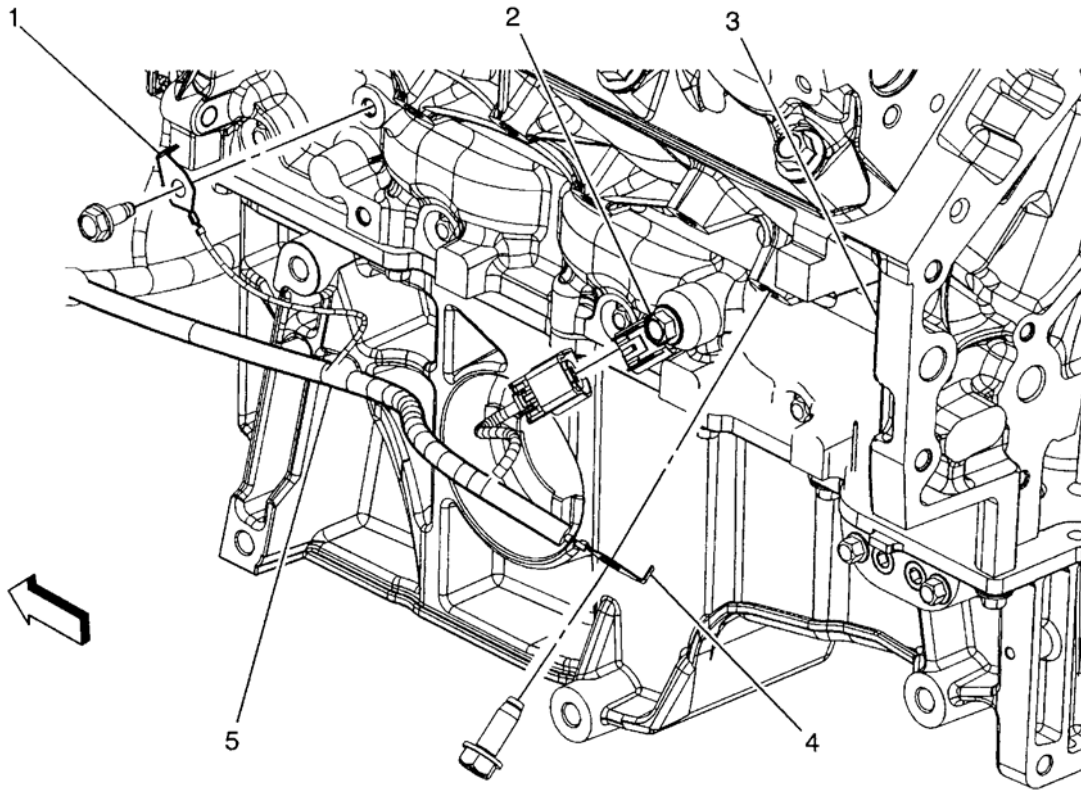
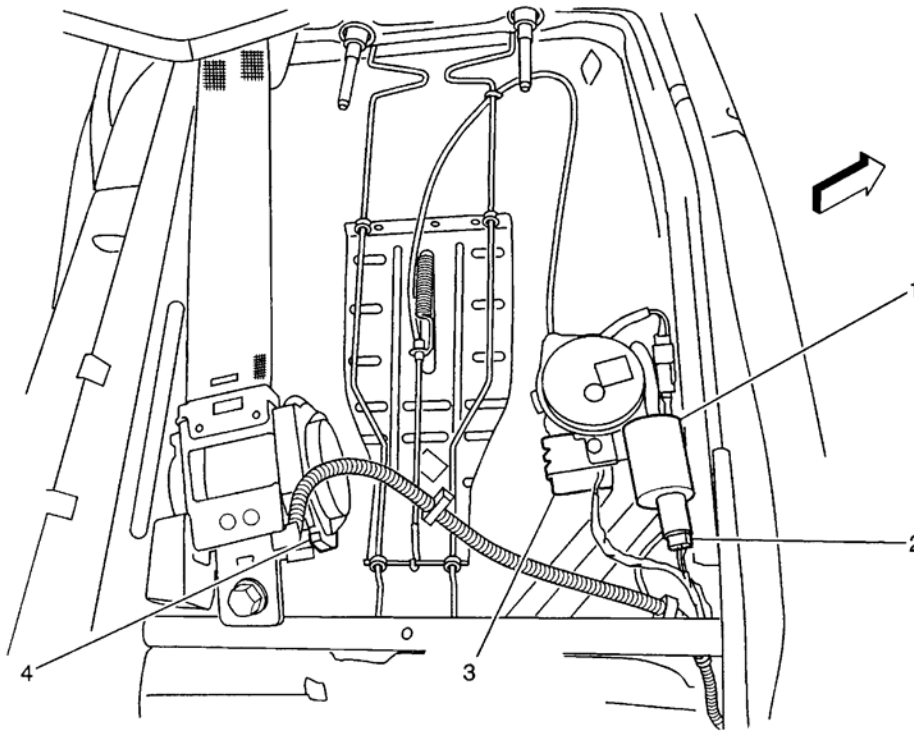


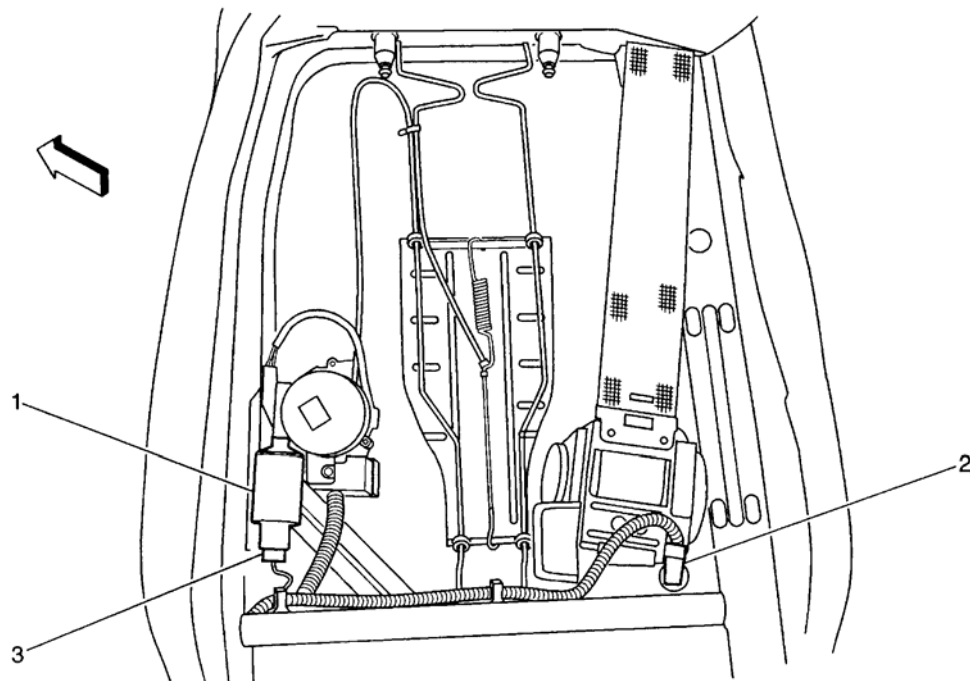
Fig. 79: Lower Left Side Of Engine
Courtesy of GENERAL MOTORS CORP.



- (1) Lumbar Horizontal Motor - Driver (AR9)
- (2) Heated Seat Element Connector - Driver Back (w/Heat)
- (3) Lumbar Horizontal Position Sensor - Driver (w/Memory)
- (4) Seat Belt Pretensioner - Left

G00441012

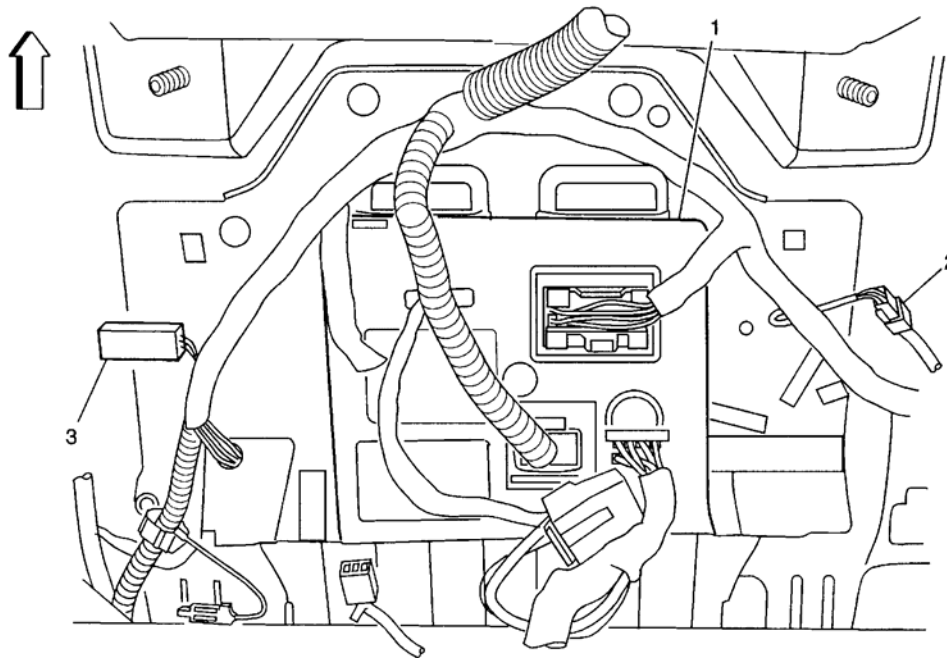
Fig. 80: Behind Driver Seat
Courtesy of GENERAL MOTORS CORP.



- (1) Lumbar Horizontal Motor - Passenger (V40)
- (2) Seat Belt Pretensioner - Right
- (3) Heated Seat Element Connector - Passenger Back (w/Heat)

G00441013

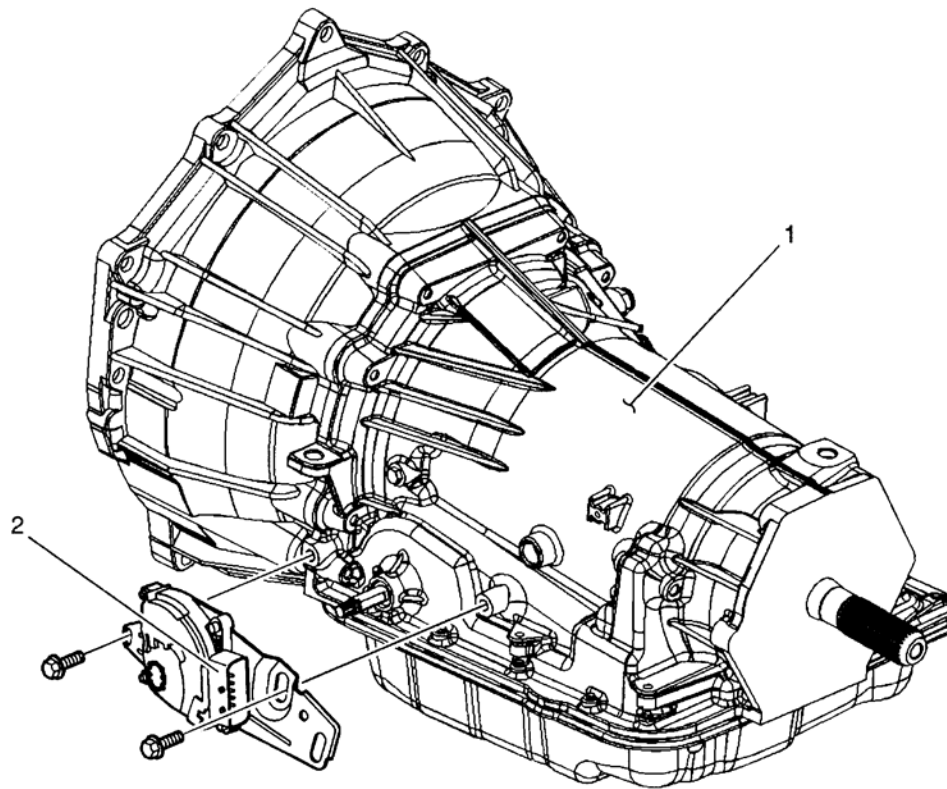
Fig. 81: Behind Passenger Seat
Courtesy of GENERAL MOTORS CORP.



- (1) Memory Seat Module - Driver (w/Memory)
- (2) Heated Seat Element Connector - Driver Cushion (w/Heat)
- (3) Seat Belt Switch Connector - Driver

G00441014

Fig. 82: Beneath Driver Seat Cushion
Courtesy of GENERAL MOTORS CORP.



(1) Automatic Transmission 4L60-E/4L65-E/4L70-E

(2) Park/Neutral Position (PNP) Switch

G00441015

Fig. 83: Park Neutral Position (PNP) Switch
Courtesy of GENERAL MOTORS CORP.

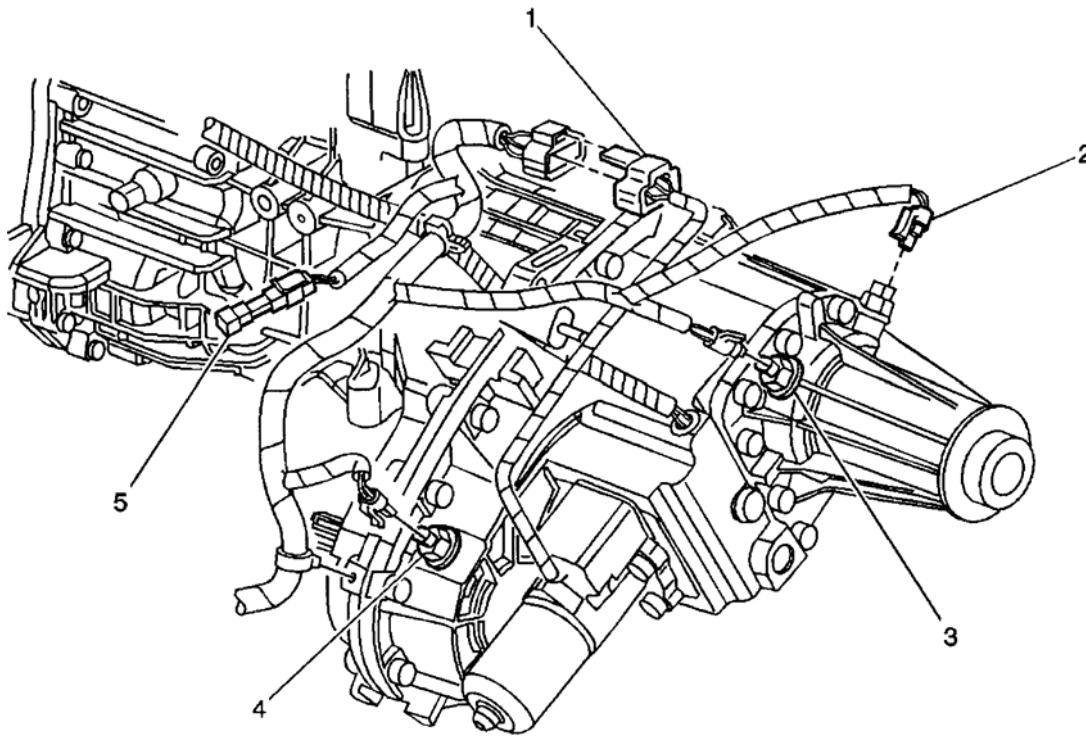
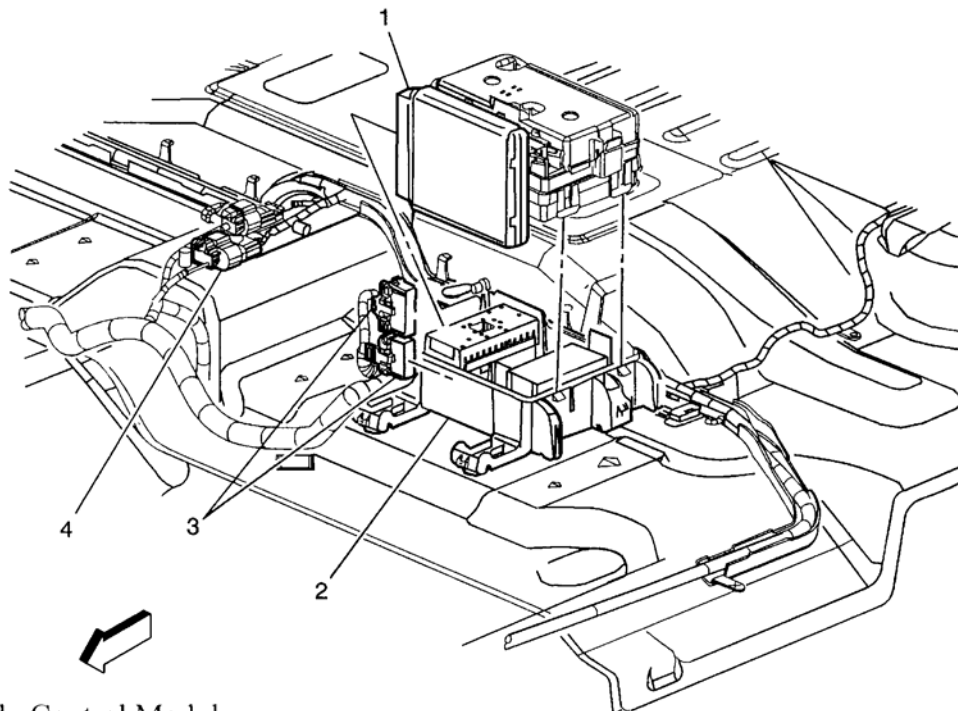


Fig. 84: Transfer Case

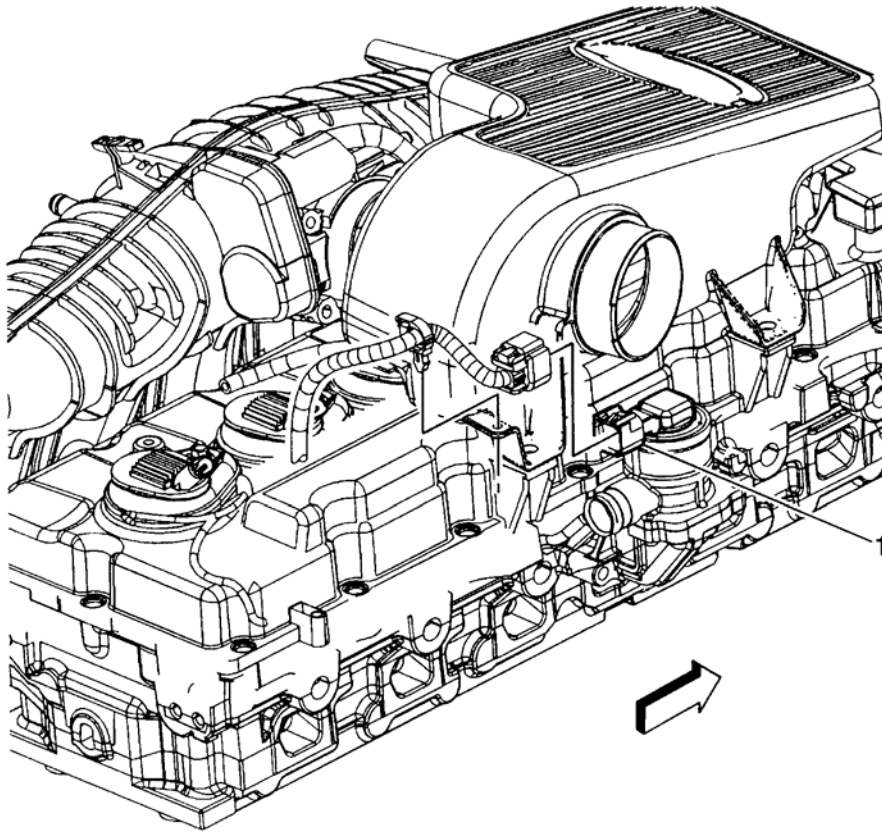
Courtesy of GENERAL MOTORS CORP.



- (1) Body Control Module
- (2) Fuse Block - Rear
- (3) Body Control Module Connectors C1 and C2
- (4) Rollover Sensor

G00441017

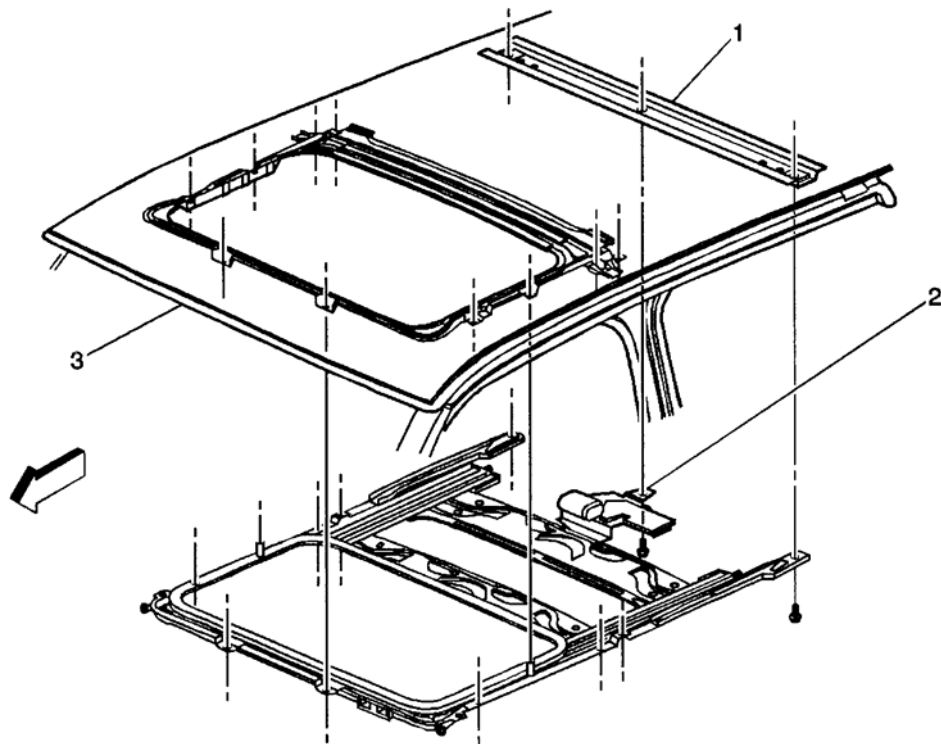
Fig. 85: Rollover Sensor
Courtesy of GENERAL MOTORS CORP.



(1) Secondary Air Injection (AIR) Solenoid (K18)

G00441018

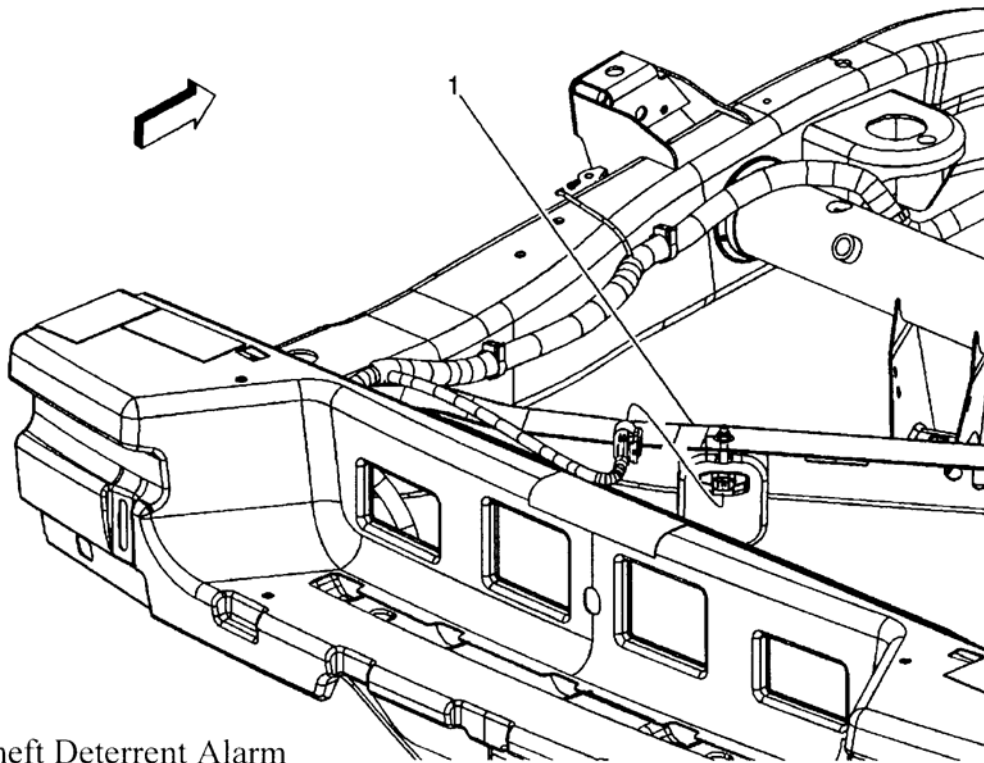
Fig. 86: Upper Right Side Of Engine
Courtesy of GENERAL MOTORS CORP.



- (1) Roof Reinforcement
- (2) Sunroof Motor
- (3) Roof Panel

G00441019

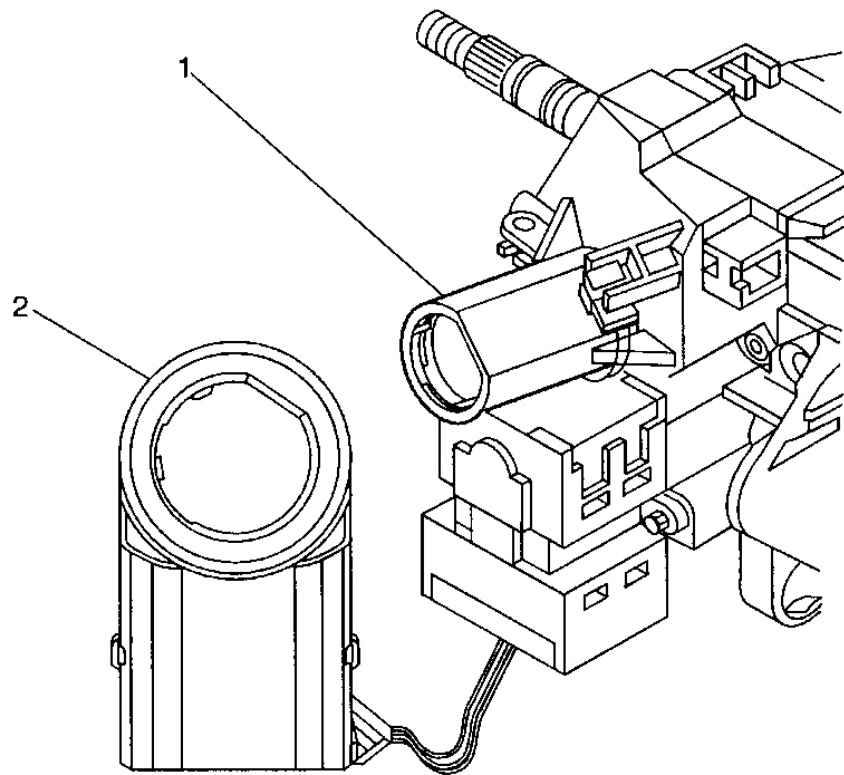
Fig. 87: Sunroof Motor
Courtesy of GENERAL MOTORS CORP.



(1) Theft Deterrent Alarm

G00441020

Fig. 88: Rear Chassis
Courtesy of GENERAL MOTORS CORP.



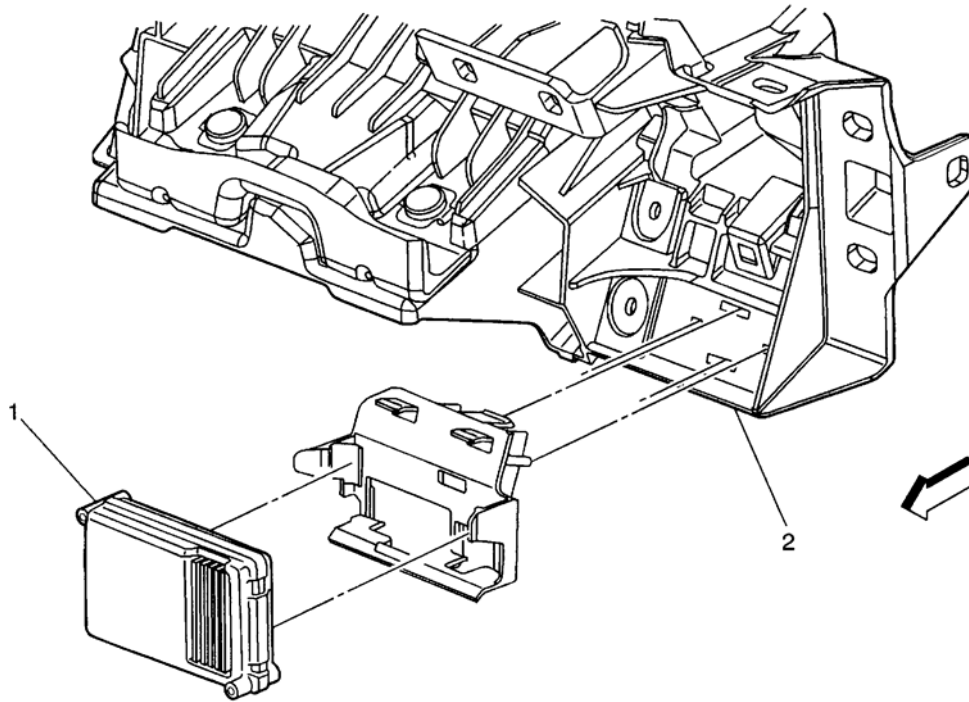
(1) Ignition Lock Cylinder Case

(2) Theft Deterrent Control Module

G00441021

Fig. 89: Steering Column

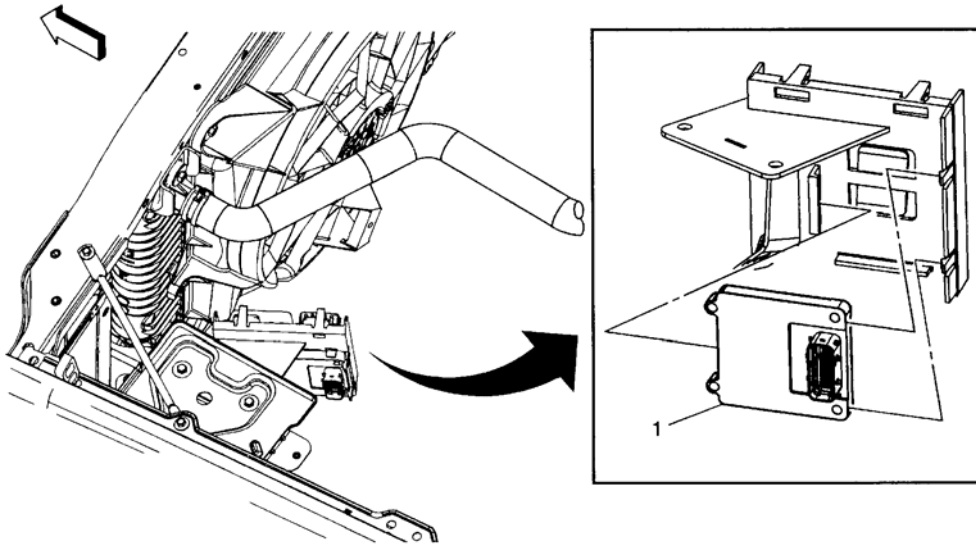
Courtesy of GENERAL MOTORS CORP.



- (1) Transfer Case Shift Control Module
- (2) Instrument Carrier Support, Left Side

G00441022

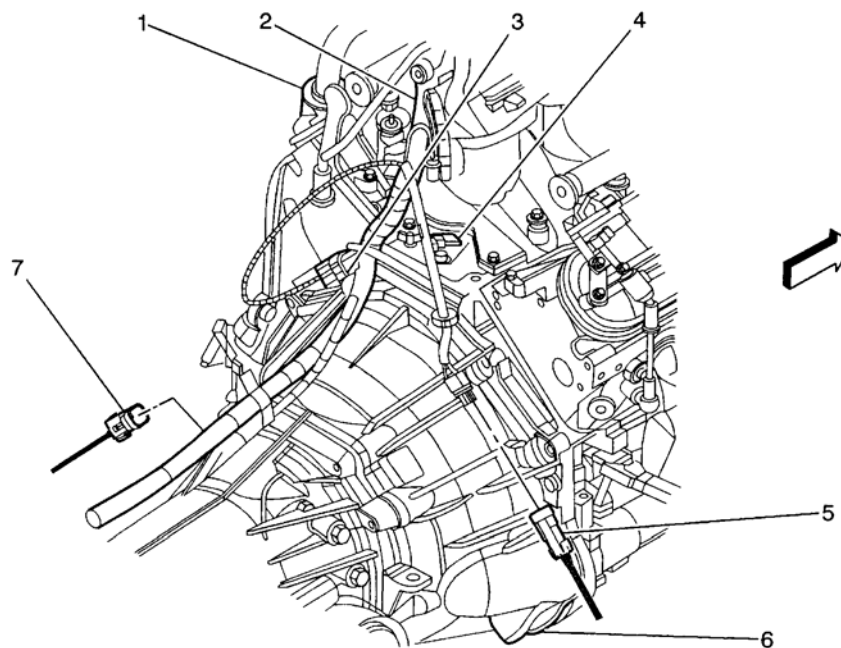
Fig. 90: Lower Left Side Of Instrument Carrier Support
Courtesy of GENERAL MOTORS CORP.



(1) Transmission Control Module (TCM)

G00441023

Fig. 91: Transmission Control Module (TCM)
Courtesy of GENERAL MOTORS CORP.

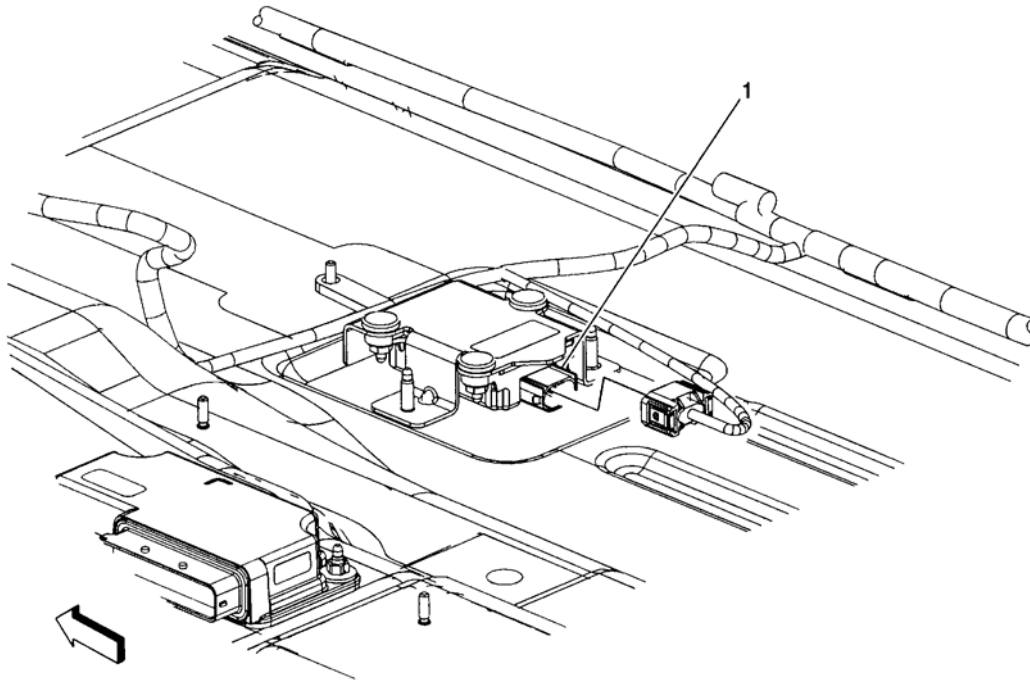


- (1) Engine
- (2) Engine Harness
- (3) Engine Oil Pressure (EOP) Sensor Connector
- (4) Valve Lifter Oil Manifold (VLOM) Assembly
- (5) Heated Oxygen Sensor (HO2S) Bank 2 Sensor 1 Connector
- (6) Transmission
- (7) Heated Oxygen Sensor (HO2S) Bank 1 Sensor 1 Connector

G00441024

Fig. 92: Rear Of Engine

Courtesy of GENERAL MOTORS CORP.



(1) Yaw Rate and Lateral Acceleration Sensor

G00441025

Fig. 93: Under Front Passenger Seat
Courtesy of GENERAL MOTORS CORP.

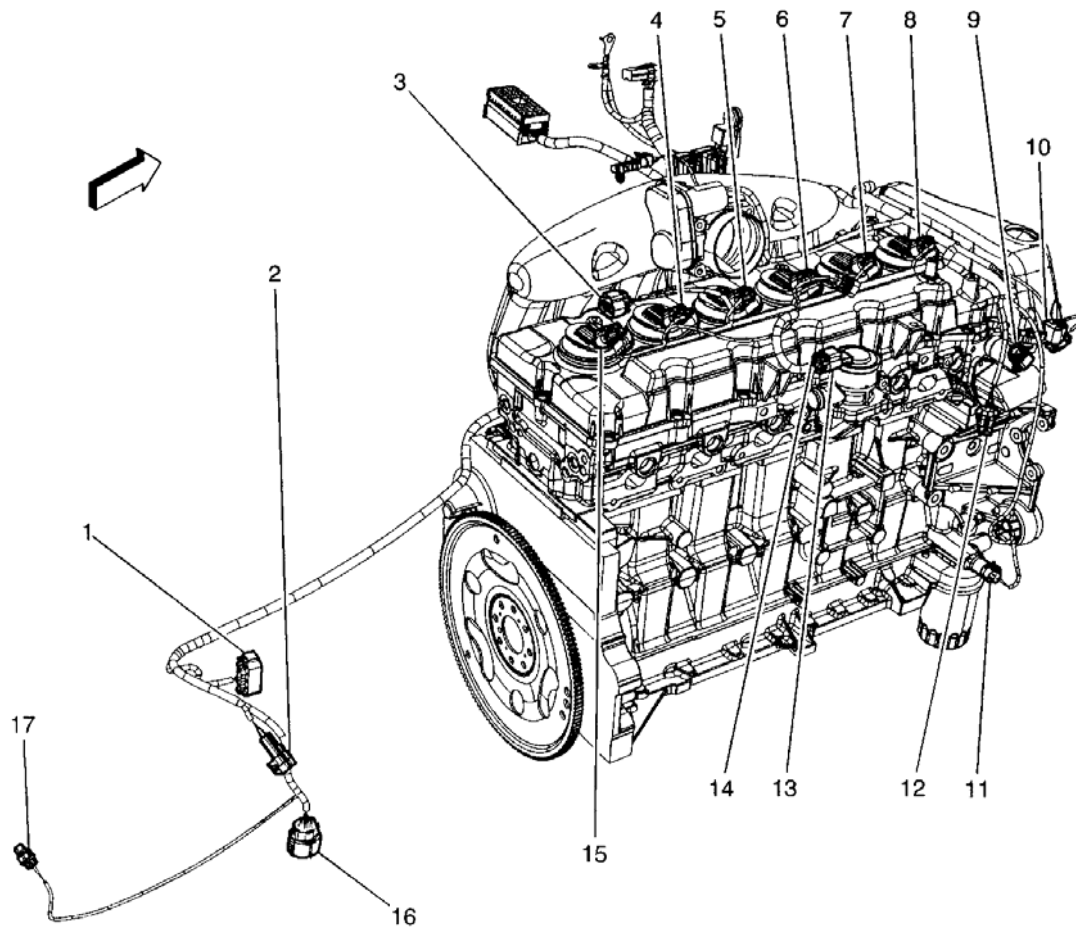


Fig. 94: Right Rear Of Engine Harness
Courtesy of GENERAL MOTORS CORP.

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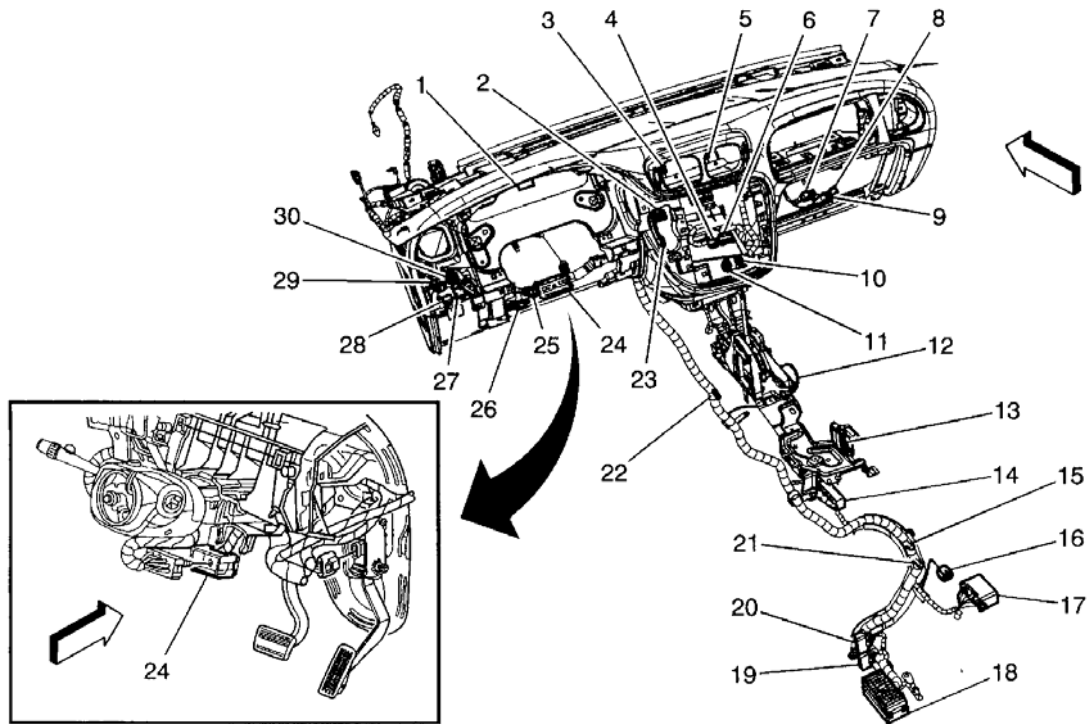
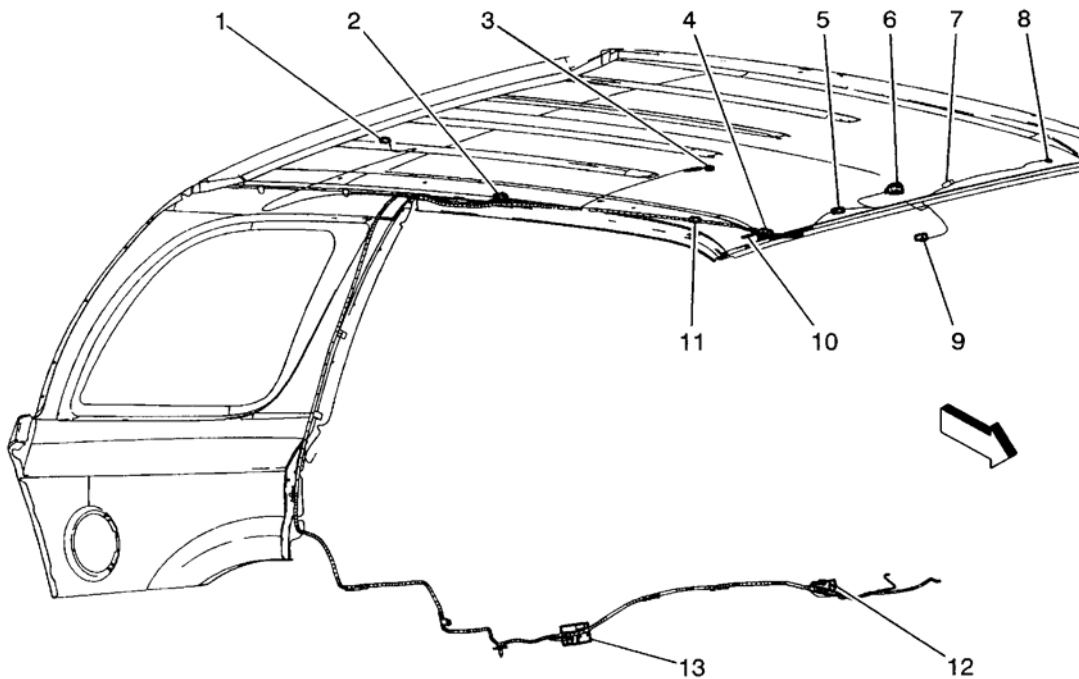


Fig. 95: Front Of Dash

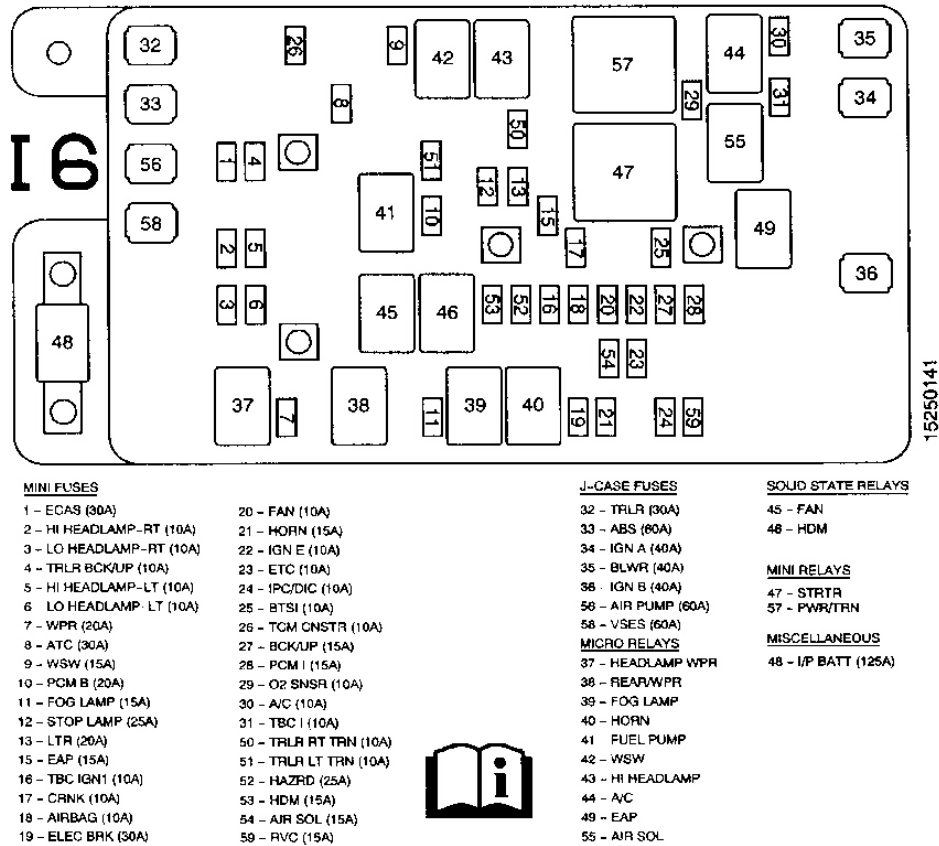
Courtesy of GENERAL MOTORS CORP.



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Fig. 96: Headliner Harness Routing
Courtesy of GENERAL MOTORS CORP.



G00441029

Fig. 97: Underhood Fuse Block
Courtesy of GENERAL MOTORS CORP.

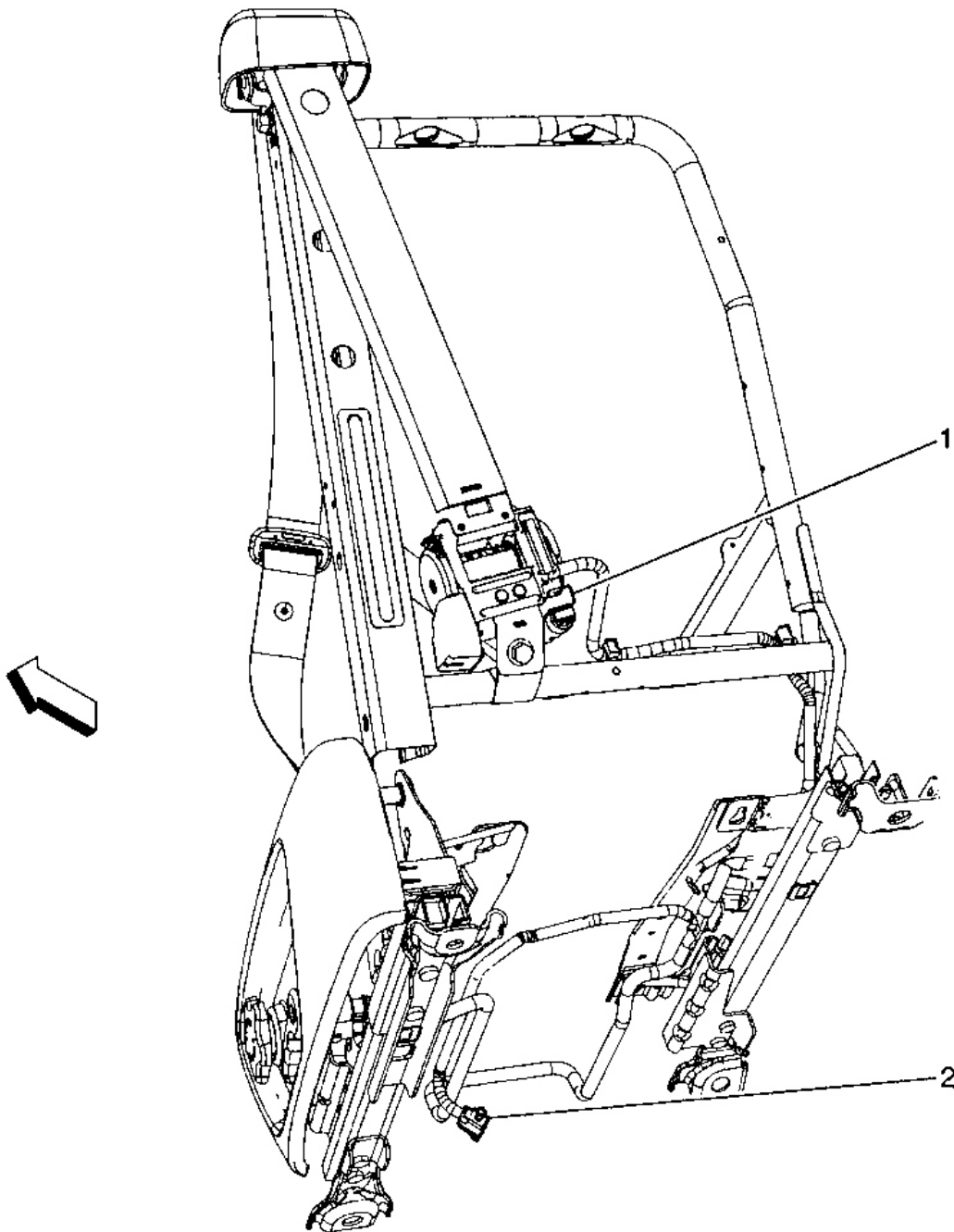


Fig. 98: Left Seat Belt Pretensioner
Courtesy of GENERAL MOTORS CORP.

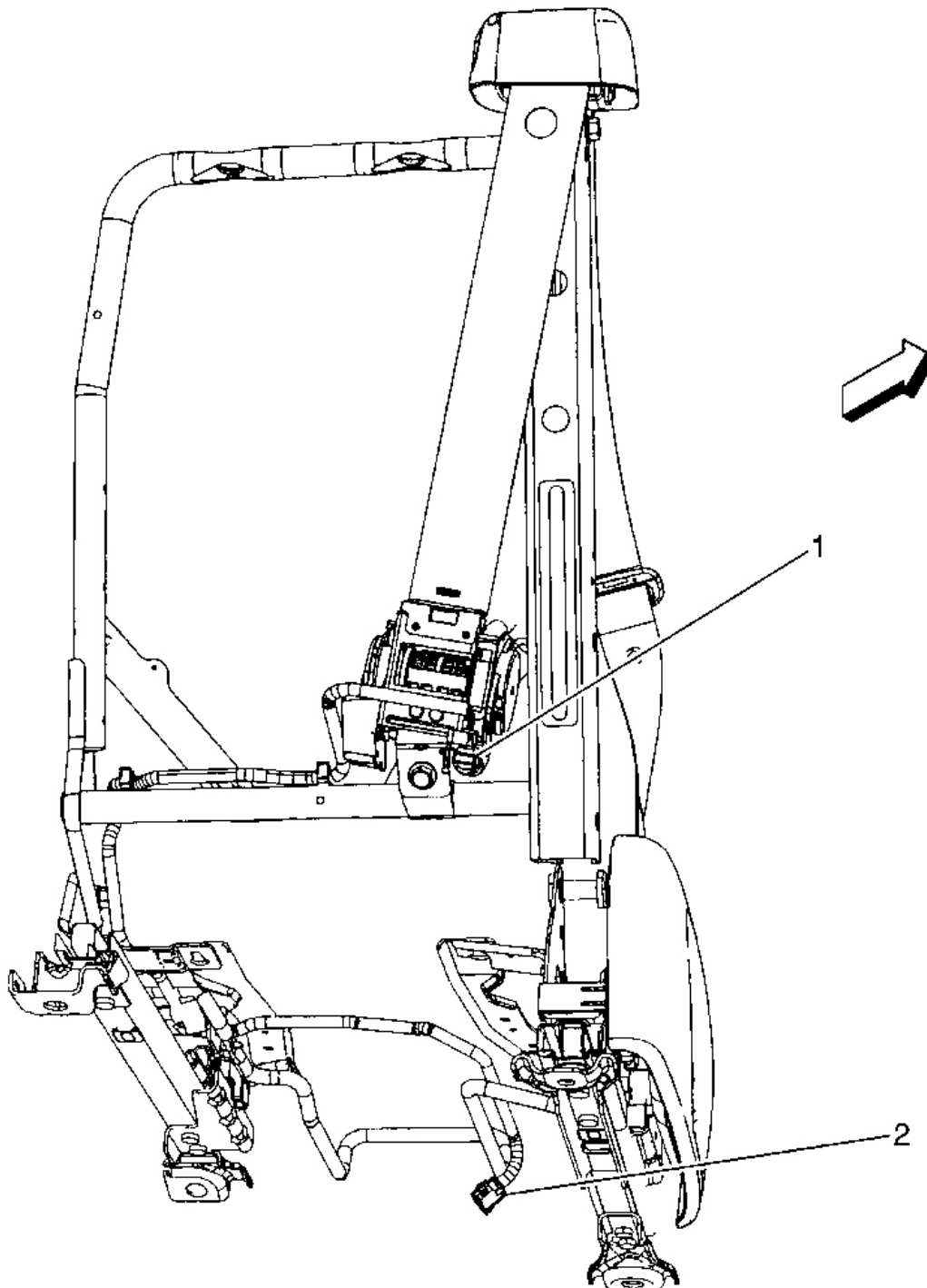


Fig. 99: Right Seat Belt Pretensioner
Courtesy of GENERAL MOTORS CORP.

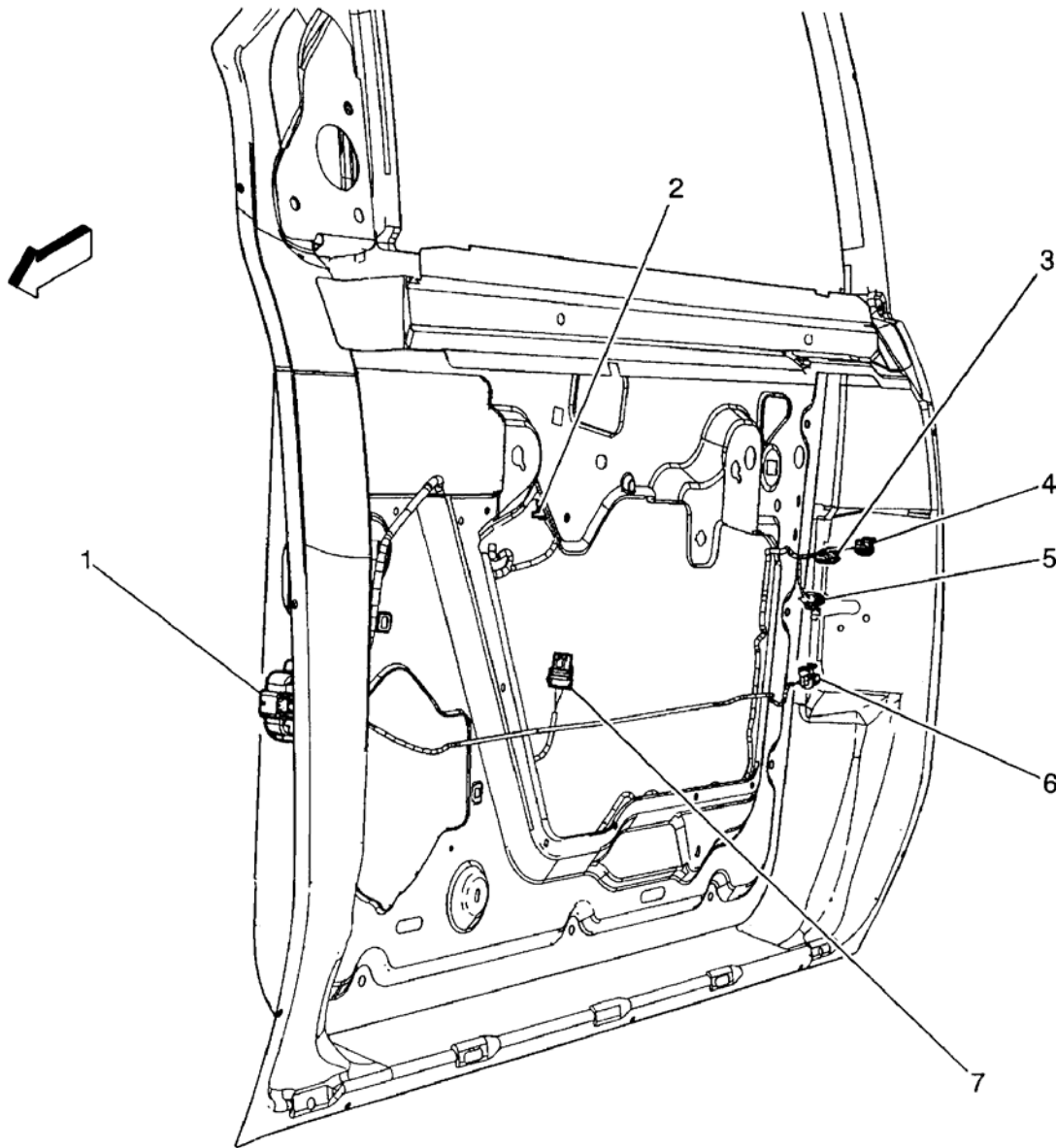


Fig. 100: Front Door Harness Routing
Courtesy of GENERAL MOTORS CORP.

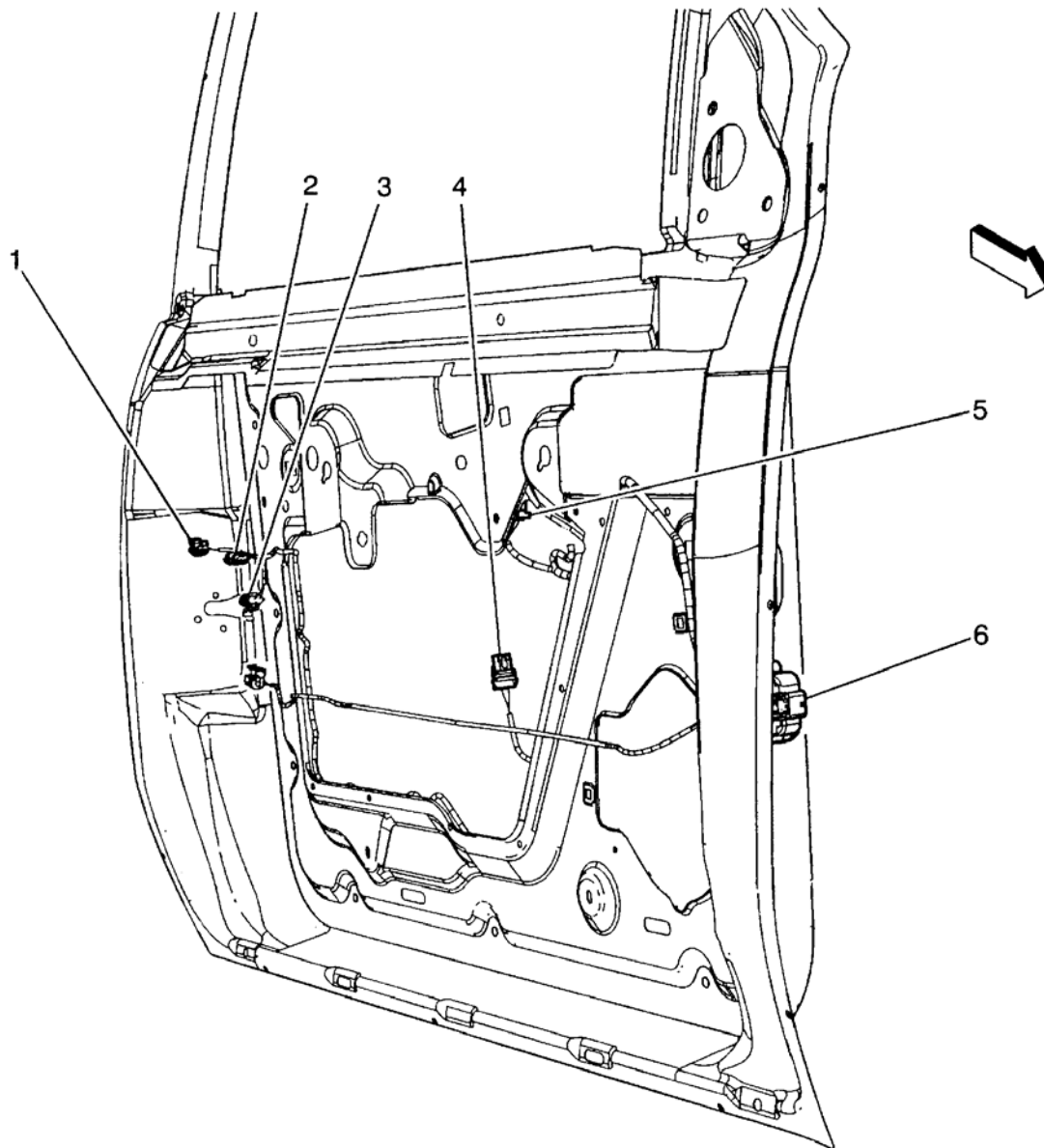
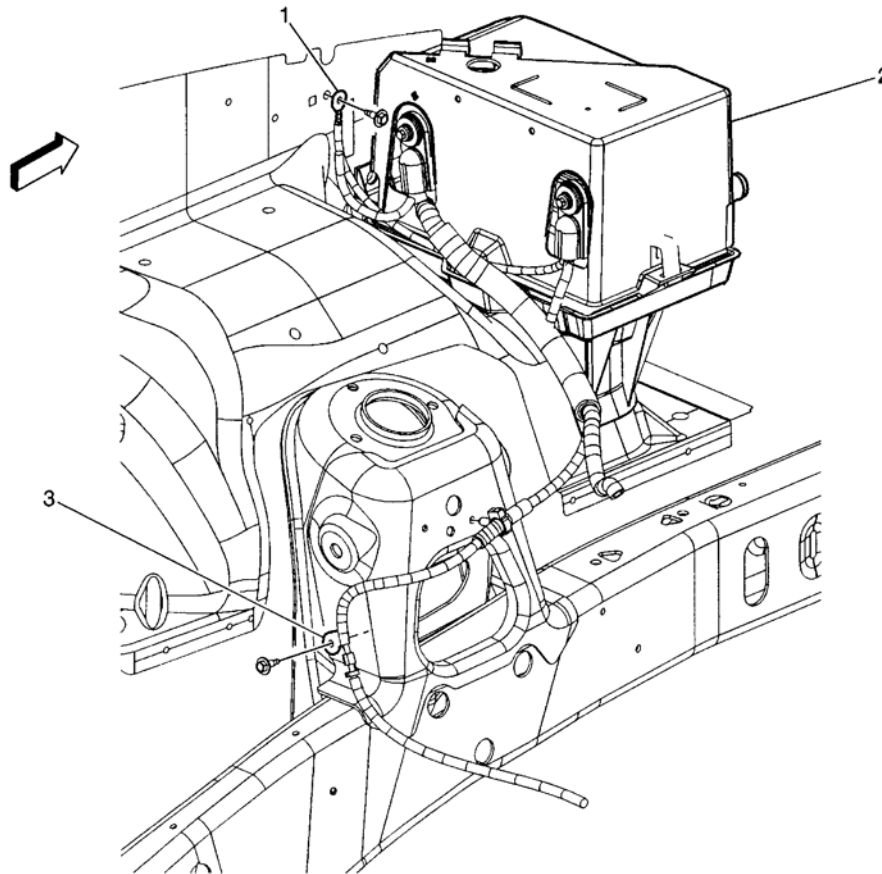


Fig. 101: Right Front Door Harness Routing
Courtesy of GENERAL MOTORS CORP.

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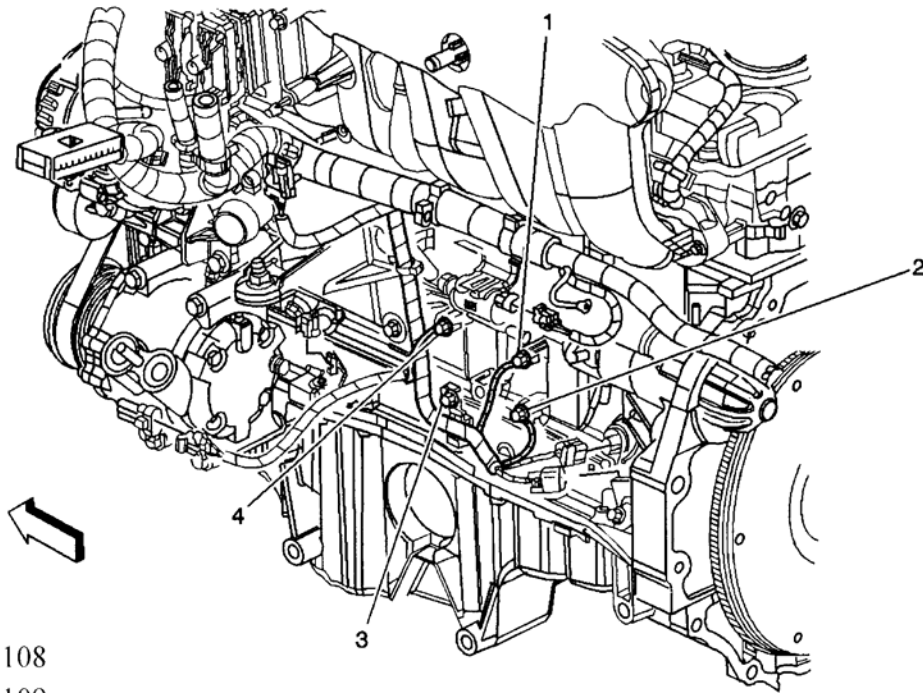
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- (1) G101
- (2) Battery
- (3) G106 (5.3L/6.0L)

G00441034

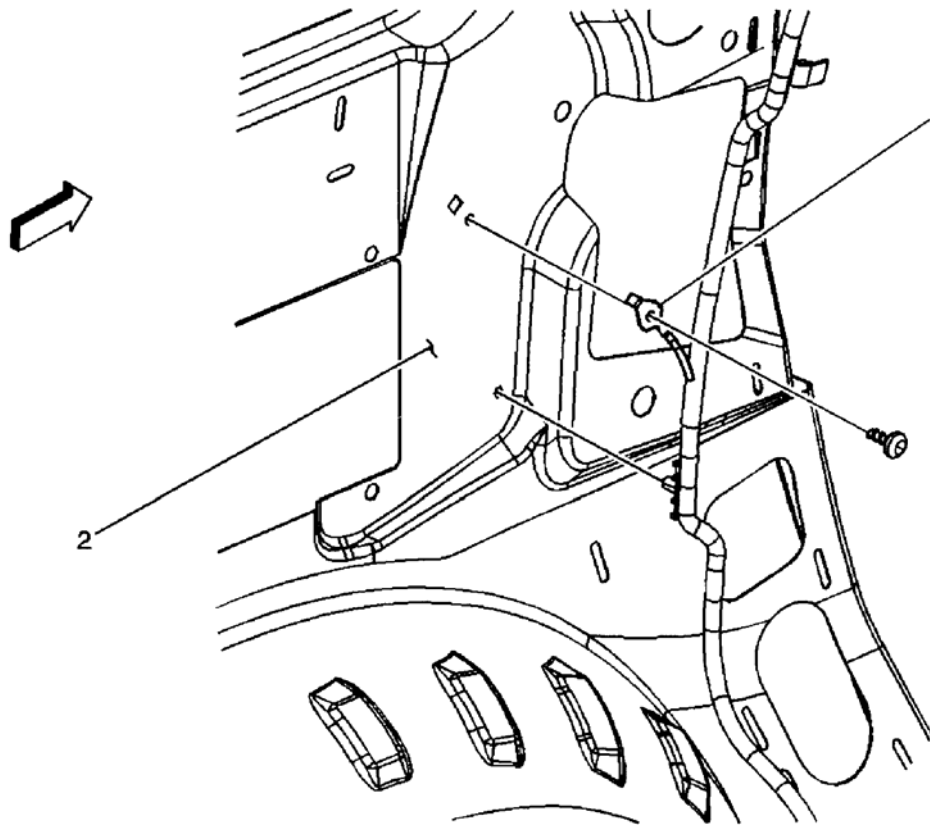
Fig. 102: Left Side Of Engine Compartment
Courtesy of GENERAL MOTORS CORP.



- (1) G108
- (2) G109
- (3) G110
- (4) G107

G00441036

Fig. 103: Left Side Of Engine
Courtesy of GENERAL MOTORS CORP.



(1) G306

(2) Body Side Panel - Left

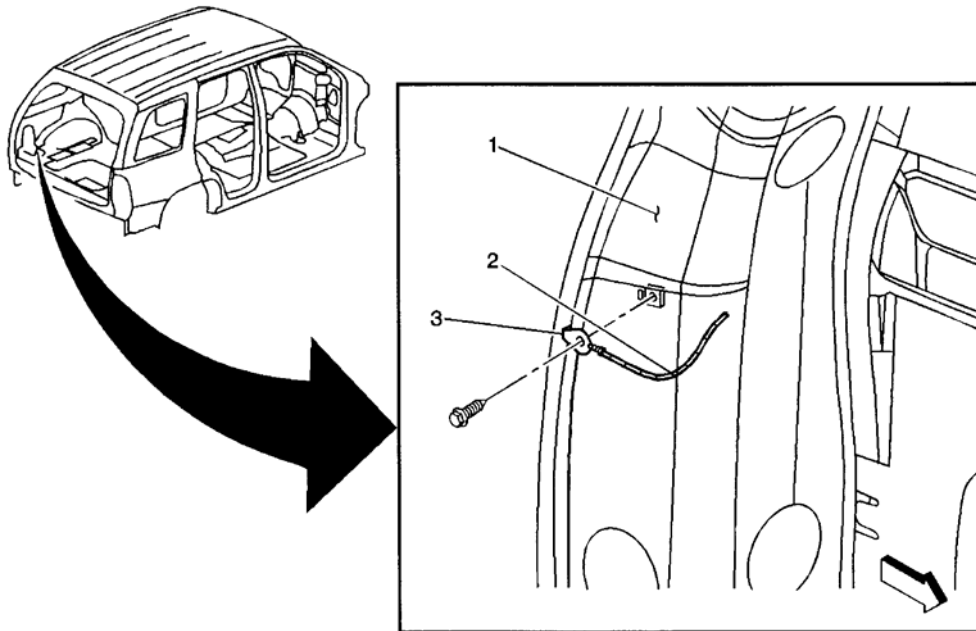
G00441039

Fig. 104: Left Quarterpanel

Courtesy of GENERAL MOTORS CORP.

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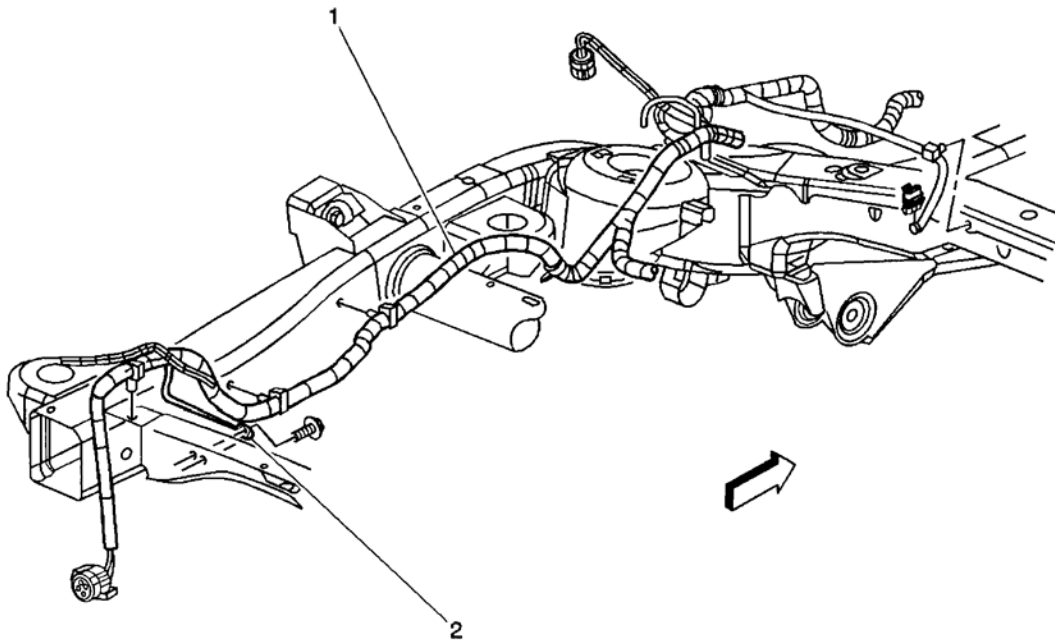
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- (1) Body Side Lower Reinforcement
- (2) Body Harness
- (3) G401

G00441040

Fig. 105: Left "D" Pillar
Courtesy of GENERAL MOTORS CORP.



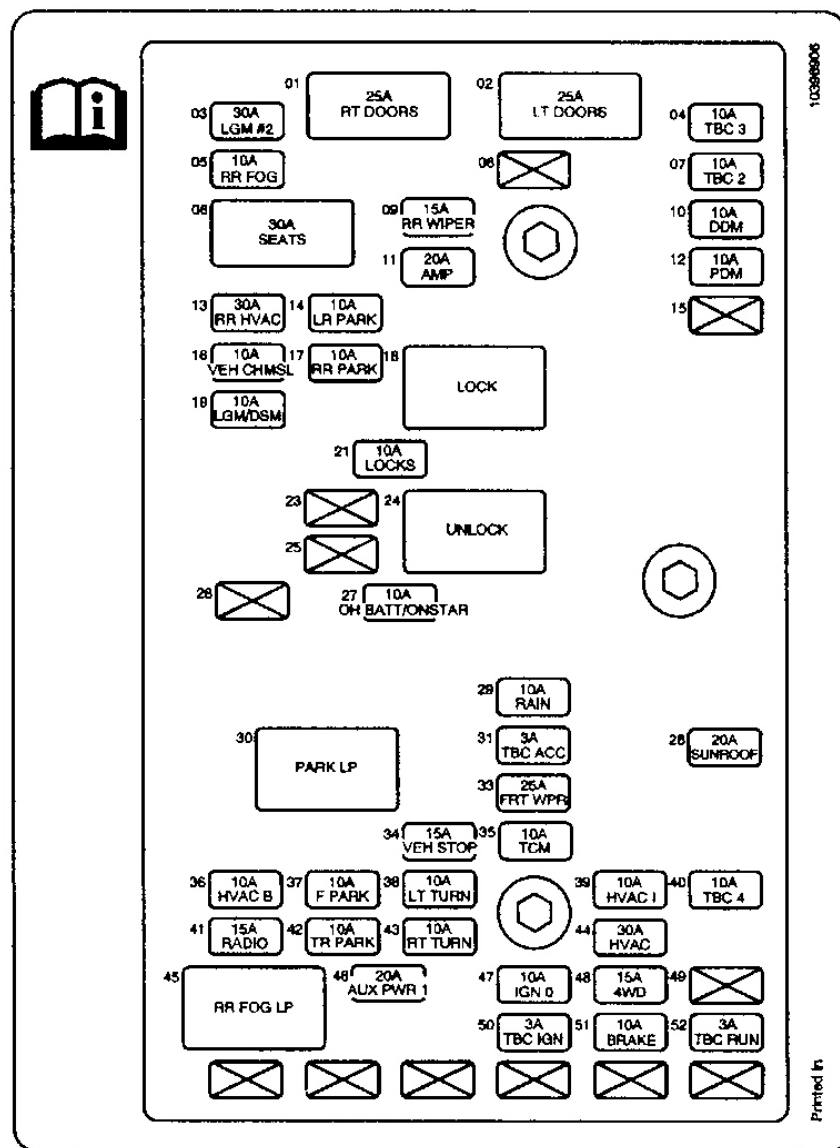
- (1) Chassis Harness
- (2) G403

G00441041

Fig. 106: Left Side Of Chassis
Courtesy of GENERAL MOTORS CORP.

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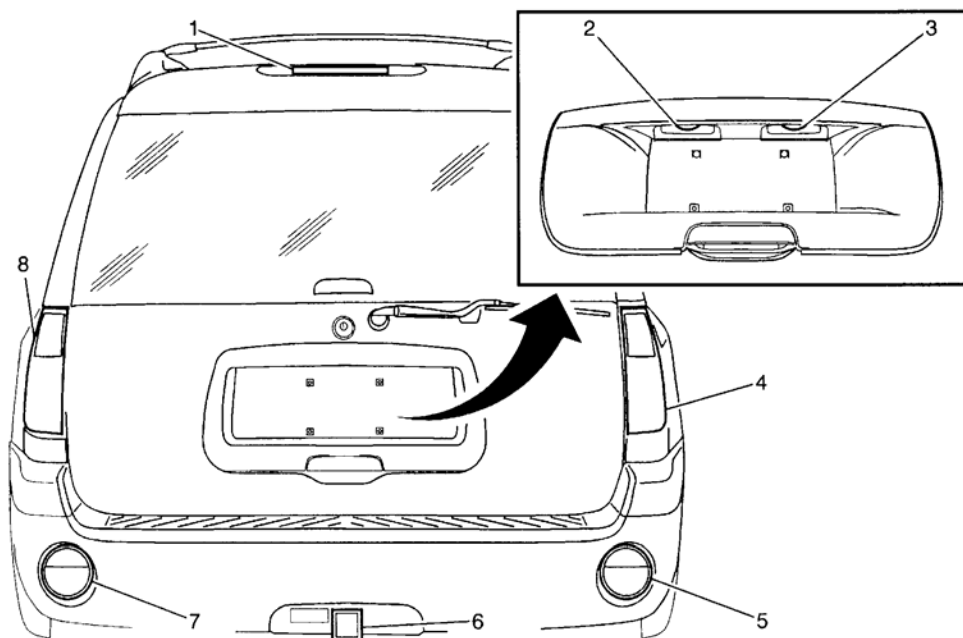
G00441043

Fig. 107: Rear Fuse Block

Courtesy of GENERAL MOTORS CORP.

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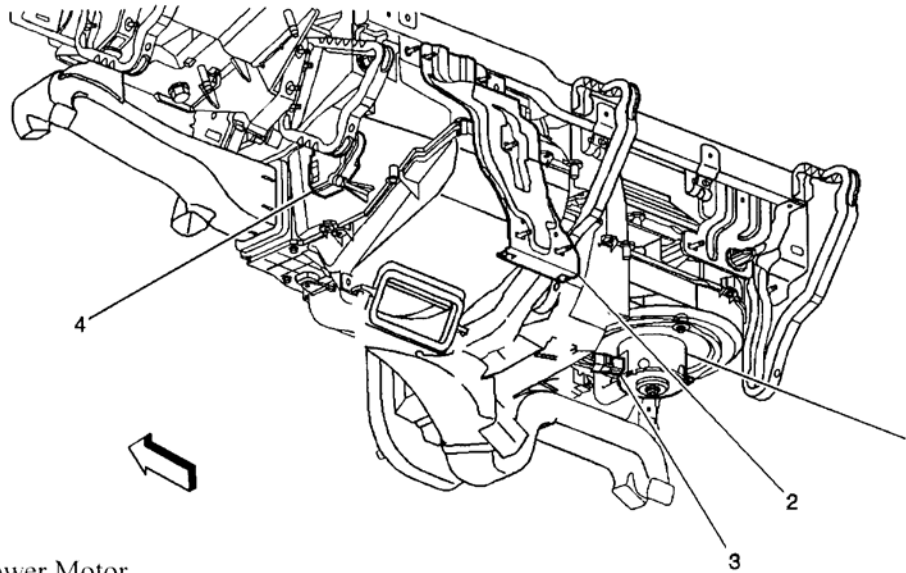
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- (1) Center High Mounted Stop Lamp (CHMSL)
- (2) License Lamp - Left
- (3) License Lamp - Right
- (4) Tail Lamp Circuit Board - Right
- (5) Backup Lamp - Right (Z88)
- (6) Trailer Connector (UY7)
- (7) Backup Lamp - Left (Z88)
- (8) Tail Lamp Circuit Board - Left

G00441044

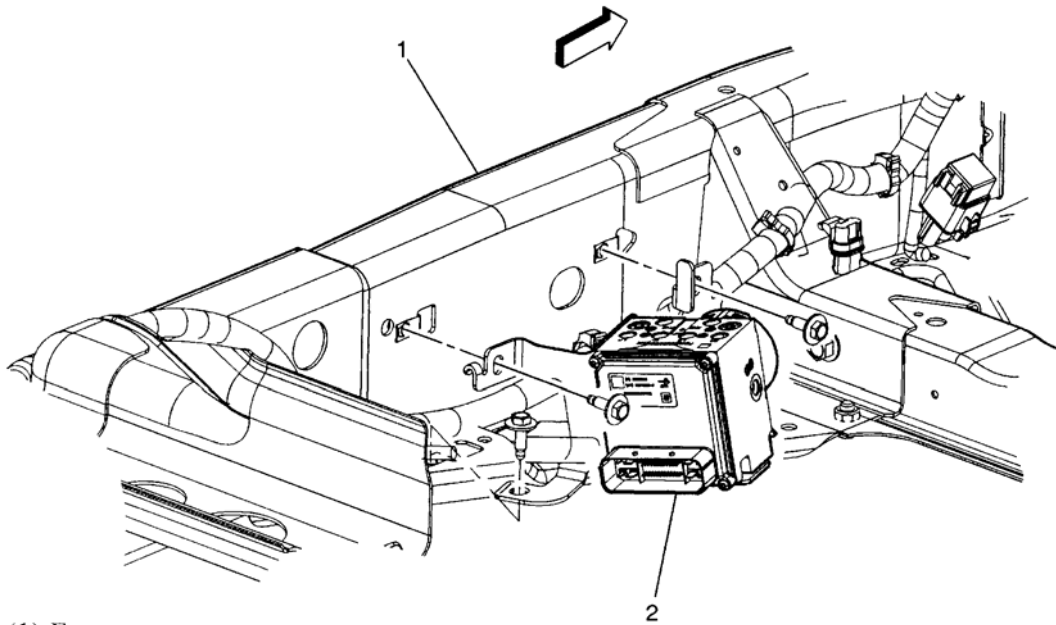
Fig. 108: Rear Of Vehicle
Courtesy of GENERAL MOTORS CORP.



- (1) Blower Motor
- (2) I/P Center Support
- (3) Blower Motor Resistor Assembly
- (4) Air Temperature Actuator - Left

G00441045

Fig. 109: Instrument Panel Carrier
Courtesy of GENERAL MOTORS CORP.



(1) Frame

(2) Electronic Brake Control Module (EBCM)

G00440990

Fig. 110: Electronic Brake Control Module
Courtesy of GENERAL MOTORS CORP.