

2004 Cadillac SRX

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2004 GENERAL MOTORS**SRX****BUZZERS, RELAYS & TIMERS****BUZZERS, RELAYS & TIMERS LOCATION**

Component	Location
ACCESSORY Relay	In underhood fuse block. See Fig. 1 .
AFTERBOIL Relay	In right rear fuse block. See Fig. 2 .
BASS Relay	In left rear fuse block. Fig. 3 .
BLOWER Relay	In underhood fuse block. See Fig. 1 .
CIGAR Relay	In underhood fuse block. See Fig. 1 .
CMP CLU Relay	In underhood fuse block. See Fig. 1 .
DRL-OPT Relay	In underhood fuse block. See Fig. 1 .
ELC Relay	In left rear fuse block. See Fig. 3 .
FOG LAMP Relay	In underhood fuse block. See Fig. 1 .
FUEL PUMP MOTOR Relay	In right rear fuse block. See Fig. 2 .
HDLP WASH-OPT Relay	In underhood fuse block. See Fig. 1 .
HI BEAM Relay	In underhood fuse block. See Fig. 1 .
HI SPEED FAN Relay	In underhood fuse block. See Fig. 1 .
HORN Relay	In underhood fuse block. See Fig. 1 .
IGN 1 Relay	In right rear fuse block. See Fig. 2 .
IGN-1 Relay	In underhood fuse block. See Fig. 1 .
IGN 3 Relay	In left rear fuse block. See Fig. 3 .
INT LAMP Relay	In right rear fuse block. See Fig. 2 .
Liftgate Lock/Unlock Relay	At right rear corner of vehicle. See Fig. 14 .
Liftgate Release Relay	At right rear quarterpanel, behind trim panel. See Fig. 67 .
LO SPEED FAN Relay	In underhood fuse block. See Fig. 1 .
LOW BEAM HI-OPT Relay	In underhood fuse block. See Fig. 1 .
L POSITION Relay	In left rear fuse block. See Fig. 3 .
MAIN Relay	In underhood fuse block. See Fig. 1 .
PARK LAMP Relay	In underhood fuse block. See Fig. 1 .
PRIMARY QUARTER A/C Relay	In right rear fuse block. See Fig. 2 .
REAR DEFOG Relay	In right rear fuse block. See Fig. 2 .

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REAR FOG LAMP Relay	In right rear fuse block. See Fig. 2 .
REV LAMP Relay	In left rear fuse block. See Fig. 3 .
R POSITION Relay	In left rear fuse block. See Fig. 3 .
S/P FAN Relay	In underhood fuse block. See Fig. 1 .
STANDING LAMP Relay	In left rear fuse block. See Fig. 3 .
STARTER Relay	In underhood fuse block. See Fig. 1 .

CIRCUIT PROTECTION DEVICES

CIRCUIT PROTECTION DEVICES LOCATION

Component	Location
Fuse Block-Left	Near left side of rear seat, under carpet. See Fig. 37 .
Fuse Block-Right	Near right side of rear seat, under carpet. See Fig. 37 .
Underhood Fuse Block	At right front of engine compartment. See Fig. 37 .

CONTROL UNITS

CONTROL UNITS LOCATION

Component	Location
Automatic Level Control Assembly	Under carriage, in back of right rear tire. See Fig. 66 .
Blower Motor Control Processor	At bottom of blower motor. See Fig. 11 .
Dash Integration Module (DIM)	Below glove box.
Driver Door Module (DDM)	On driver door, under door trim panel.
Electronic Brake Control Module (EBCM)	At right front corner of engine compartment. See Fig. 60 .
Electronic Control Module (ECM)	At left front corner of engine compartment. See Fig. 9 .
Electronic Suspension Control (ESC) Module	At right rear quarterpanel, behind trim panel. See Fig. 67 .
Engine Control Module (ECM) (3.6L)	At top front of engine. See Fig. 47 .
Front Passenger Door Module (FPDM)	On front passenger door, under door trim panel.

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Fuel Tank Module-Secondary (4.6L)	At top left of fuel tank. See Fig. 44 .
Glass Control Module- Front (Mini)	Under headliner, at rear of front sunroof.
Heated Seat Module- Driver	Under driver seat.
Heated Seat Module- Front Passenger	Under front passenger seat.
HVAC Control Module	At center of dash, below radio.
Ignition Coil- Module 1 (4.6L)	At front of right cylinder head. See Fig. 40 .
Ignition Coil- Module 2 (4.6L)	At front of left cylinder head. See Fig. 41 .
Ignition Coil- Module 3 (4.6L)	At front of right cylinder head. See Fig. 40 .
Ignition Coil- Module 4 (4.6L)	At front of left cylinder head. See Fig. 41 .
Ignition Coil- Module 5 (4.6L)	At rear of right cylinder head. See Fig. 41 .
Ignition Coil- Module 6 (4.6L)	At rear of left cylinder head. See Fig. 41 .
Ignition Coil- Module 7 (4.6L)	At rear of right cylinder head. See Fig. 41 .
Ignition Coil- Module 8 (4.6L)	At rear of left cylinder head. See Fig. 41 .
Inflatable Restraint I/P Module	Behind right side of dash. See Fig. 26 .
Inflatable Restraint Roof Rail Module- Left	At driver side roof rail, above "B" pillar. See Fig. 26 .
Inflatable Restraint Roof Rail Module- Right	At passenger side roof rail, above "B" pillar. See Fig. 26 .
Inflatable Restraint Sensing & Diagnostic Module (SDM)	Under center console. See Fig. 26 .
Inflatable Restraint Side Impact Module-Left	At left side of driver seat. See Fig. 26 .
Inflatable Restraint Side Impact Module-Right	At right side of front passenger seat. See Fig. 26 .
Inflatable Restraint Steering Wheel Module	At center of steering wheel. See Fig. 26 .
Left Rear Door Module (LRDM)	At front of left rear door. See Fig. 22 .
Left Rear Door Module (LRDM)	On left rear door, under door trim panel.
Memory Seat Module (MSM)	Under driver seat.
Radio Antenna Module-Driver	Under headliner, above left rear quarter window. See Fig. 32 .
Radio Antenna Module-Passenger	Under headliner, above right rear quarter window. See Fig. 33 .
Rear Integration Module	At right rear of vehicle. See Fig. 14 .
Rear Parking Assist (RPA) Module	Over left rear wheelwell. See Fig. 19 .
Rear Seat Module	Under 3rd row seat, on track frame.

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Right Rear Door Module (RRDM)	At front of right rear door.
Right Rear Door Module (RRDM)	On right rear door, under door trim panel.
Sensing & Diagnostic Module (SDM)	Under center console. See Fig. 27 .
Sunshade Control Module- Front (Mini)	Under headliner, in back of front sunroof.
Sunshade Control Module- Rear (Mega)	Under headliner, between front & rear sunroofs.
Suspension Control Module	At right rear corner of vehicle. See Fig. 14 .
TAC Module (3.6L)	At top front of engine. See Fig. 54 .
Theft Deterrent Control Module	At right side of steering column. See Fig. 21 .
Throttle Actuator Control (TAC) Module (4.6L)	At front of engine. See Fig. 41 .
Transmission Control Module (TCM)	At right front of engine compartment. See Fig. 50 .
Turn Signal/Hazard Flasher Module	Under left side of dash. See Fig. 24 .
Vehicle Communication Interface Module (VCIM)	At right rear corner of vehicle. See Fig. 14 .
Vent Control Module- Rear (Mega)	Under headliner, between mini & mega sunroof.
Windshield Wiper/Washer Module	At left rear of engine compartment.

MOTORS

MOTORS LOCATION

Component	Location
Adjustable Pedal Motor	Under left side of dash. See Fig. 57 .
Air Temperature Actuator- Driver	At left center of HVAC module, below mode actuator.
Air Temperature Actuator- Passenger	At right center of dash, on right side of HVAC case.
Air Temperature Recirculation Mode Actuator	At back of dash compartment, on HVAC case.
Automatic Level Control (ALC) Compressor	Under carriage, in back of right rear tire. See Fig. 67 .
Auxiliary Blower Motor	At left rear corner of cargo compartment. See Fig. 68 .
Blower Motor	At right side of HVAC. See Fig. 11 .

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Cooling Fan- Left	In front of A/C condenser, behind left side of front bumper.
Cooling Fan- Right	In front of A/C condenser, behind right side of front bumper.
Cooling Fans	Behind radiator. See Fig. 9 .
Fuel Pump & Sender Assembly-Primary (4.6L)	At top right of fuel tank. See Fig. 44 .
Fuel Pump & Sender Assembly (3.6L)	At top right of fuel tank. See Fig. 52 .
Headlamp Washer Fluid Pump	Behind right side of front bumper fascia, inside lower washer reservoir.
Left Air Temperature Actuator	At left side of evaporator on HVAC. See Fig. 11 .
Liftgate Release Motor	At center of liftgate, integral to lock mechanism.
Mode Actuator	At left side of evaporator on HVAC. See Fig. 11 .
Rear Wiper Motor	At center of liftgate. See Fig. 66 .
Recirculation Actuator	Near blower motor on HVAC. See Fig. 11 .
Right Air Temperature Actuator	At right side of evaporator on HVAC. See Fig. 11 .
Seat Front Vertical Motor- Driver	Under driver seat.
Seat Front Vertical Motor- Passenger	Under front passenger seat.
Seat Horizontal Motor- Driver	Under driver seat.
Seat Horizontal Motor- Passenger	Under front passenger seat.
Seat Lumbar Motor- Driver	Under driver seat.
Seat Lumbar Motor- Passenger	Under front passenger seat.
Seat Rear Vertical Motor- Driver	Under driver seat.
Seat Rear Vertical Motor- Passenger	Under front passenger seat.
Seat Recline Motor- Driver	Under driver seat.
Seat Recline Motor- Passenger	Under front passenger seat.
Starter (3.6L)	At top rear of engine.
Starter (4.6L)	At top rear center of engine. See Fig. 40 .
Variable Effort Steering Actuator	On power steering gear input shaft.
Window Motor- Driver	In driver door assembly.
Window Motor-LR	At center of left rear door. See Fig. 22 .
Window Motor- Passenger	In front passenger door assembly.

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Window Motor-RR	At center of right rear door.
Window Washer Fluid Pump- Rear	In liftgate.
Window Wiper Motor- Rear	In liftgate.
Windshield Washer Fluid Pump	Behind right side of front bumper fascia, near base of washer fluid reservoir.

SENDING UNITS & SENSORS**SENDING UNITS & SENSORS LOCATION**

Component	Location
Accelerator Pedal Position (APP) Sensor	Under left side of dash. See Fig. 57 .
Adjustable Accelerator Pedal Position (APP) Sensor	Under left side of dash.
Adjustable Brake Pedal Position Sensor	Under left side of dash.
Air Temperature Sensor- Inside	On dash, left of radio.
Ambient Air Temperature Sensor	At front center of engine compartment. See Fig. 10 .
Barometric Pressure (BARO) Sensor (3.6L)	At left rear corner of upper intake manifold. See Fig. 49 .
Brake Fluid Level Sensor	At left side of master brake cylinder reservoir. See Fig. 58 .
Brake Fluid Pressure Sensor	On brake pressure modulator valve, at right front of engine compartment. See Fig. 60 .
Brake Pedal Actuator Position Sensor	Under left side of dash. See Fig. 57 .
Brake Pedal Position Sensor	Under left side of dash. See Fig. 57 .
Camshaft Position (CMP) Sensor- Exhaust Bank 1 (3.6L)	At front of right cylinder head. See Fig. 46 .
Camshaft Position (CMP) Sensor- Exhaust Bank 1 (4.6L)	At front of right cylinder head.
Camshaft Position (CMP) Sensor- Exhaust Bank 2 (3.6L)	At front of left cylinder head. See Fig. 46 .
Camshaft Position (CMP) Sensor- Exhaust Bank 2 (4.6L)	At front of left cylinder head.
Camshaft Position (CMP) Sensor- Intake Bank 1 (3.6L)	At front of right cylinder head. See Fig. 46 .
Camshaft Position (CMP) Sensor- Intake Bank 1 (4.6L)	At front of right cylinder head.

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Camshaft Position (CMP) Sensor- Intake Bank 2 (3.6L)	At front of left cylinder head. See Fig. 46 .
Camshaft Position (CMP) Sensor- Intake Bank 2 (4.6L)	At front of left cylinder head.
CMP Sensor Exhaust- Bank 1 (4.6L)	At top right front of engine. See Fig. 40 .
CMP Sensor Exhaust- Bank 2 (4.6L)	At top left front of engine. See Fig. 41 .
CMP Sensor Intake- Bank 1 (4.6L)	At top right front of engine. See Fig. 40 .
CMP Sensor Intake- Bank 2 (4.6L)	At top left front of engine. See Fig. 41 .
Crankshaft Position (CKP) Sensor (3.6L)	At lower right rear of engine. See Fig. 55 .
Crankshaft Position (CKP) Sensor (4.6L)	At top of engine, under intake manifold. See Fig. 53 .
Engine Coolant Temperature (ECT) Sensor (3.6L)	At left side of engine. See Fig. 45 .
Engine Coolant Temperature (ECT) Sensor (4.6L)	At rear of right cylinder head.
Engine Oil Level/Temperature Sensor (3.6L)	In bottom of engine oil pan. See Fig. 45 .
Engine Oil Pressure (EOP) Sensor (3.6L)	At left front of engine. See Fig. 45 .
Engine Oil Pressure (EOP) Sensor (4.6L)	At left side of engine.
EVAP Temperature Sensor	At right top side of evaporator core. See Fig. 13 .
EVAP Temperature Sensor Connector	At top front of evaporator. See Fig. 13 .
Forward Discriminating Sensor- Left Front	At left front of vehicle frame. See Fig. 28 .
Forward Discriminating Sensor- Right Front	At right front of vehicle frame. See Fig. 28 .
Fuel Level Sender- Right	Under vehicle, in fuel tank.
Fuel Tank Pressure (FTP) Sensor (4.6L)	In fuel tank meter assembly. See Fig. 44 .
Fuel Tank Pressure Sensor (3.6L)	At top rear of fuel tank. See Fig. 52 .
Heated Oxygen Sensor (HO2S)- Bank 1 Sensor 1	On right exhaust pipe, before catalytic converter. See Fig. 43 .
Heated Oxygen Sensor (HO2S)- Bank 1 Sensor 2	Downstream of right catalytic converter. See Fig. 43 .
Heated Oxygen Sensor (HO2S)- Bank 2 Sensor 1	On left exhaust pipe, before catalytic converter. See Fig. 43 .
Heated Oxygen Sensor (HO2S)- Bank 2 Sensor 2	Downstream of left catalytic converter. See Fig. 43 .
Inclination Sensor	At right rear quarterpanel, under trim panel.
	At left front of engine compartment, on upper

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Inflatable Restraint Front End Sensor- Left	radiator support.
Inflatable Restraint Front End Sensor- Right	At right front of engine compartment, on upper radiator support.
Input Speed Sensor (ISS) (5L40-E)	In transmission. See Fig. 35 .
Input Speed Sensor (ISS) (5L50-E)	In transmission. See Fig. 36 .
Inside Air Temperature Sensor	Left of center of dash. See Fig. 7 .
Intrusion Sensor	At center rear of headliner. See Fig. 21 .
Knock Sensor (KS)- Bank 1 (3.6L)	At right side of engine. See Fig. 55 .
Knock Sensor (KS)- Bank 2 (3.6L)	At left side of engine. See Fig. 45 .
Knock Sensor (KS) 1 (4.6L)	At middle of right cylinder head, under intake manifold. See Fig. 53 .
Knock Sensor (KS) 2 (4.6L)	At middle of left cylinder head, under intake manifold. See Fig. 53 .
Left Rear Height Sensor	At left rear wheelwell.
Magnasteer(R) Sensor	At left rear of engine compartment. See Fig. 63 .
Manifold Absolute Pressure (MAP) Sensor (3.6L)	At top front of engine.
Manifold Absolute Pressure (MAP) Sensor (4.6L)	At top front of engine. See Fig. 40 .
Mass Air Flow (MAF) & Intake Air Temperature (IAT) Sensor (3.6L)	In air cleaner intake tube. See Fig. 47 .
Mass Air Flow (MAF) Sensor (4.6L)	In air cleaner intake tube. See Fig. 42 .
Output Speed Sensor (OSS) (5L40-E)	In transmission. See Fig. 35 .
Output Speed Sensor (OSS) (5L50-E)	In transmission. See Fig. 36 .
Rear Parking Assist (RPA) Object Sensor- Left Rear Corner	At left side of rear bumper. See Fig. 18 .
Rear Parking Assist (RPA) Object Sensor- Left Rear Middle	At left center of rear bumper. See Fig. 18 .
Rear Parking Assist (RPA) Object Sensor- Right Rear Corner	At right side of rear bumper. See Fig. 18 .
Rear Parking Assist (RPA) Object Sensor- Right Rear Middle	At right center of rear bumper. See Fig. 18 .
Right Rear Height Sensor	At right rear wheelwell. See Fig. 66 .
Seat Front Vertical Position Sensor- Driver	Under driver seat.
Seat Horizontal Position Sensor- Driver	Under driver seat.

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Seat Lumbar Position Sensor- Driver	Under driver seat.
Seat Rear Vertical Position Sensor- Driver	Under driver seat.
Seat Recline Position Sensor- Driver	Under driver seat.
Secondary Fuel Sender Assembly (3.6L)	At top left of fuel tank. See Fig. 52 .
Side Impact Sensor- Left	At base of left "B" pillar.
Side Impact Sensor- Right	At base of right "B" pillar. See Fig. 29 .
Steering Wheel Position Sensor	At bottom of steering column. See Fig. 61 .
Sunload Sensor	At top center of dash. See Fig. 7 .
Suspension Position Sensor- LF	In left front wheel well area, from frame to control arm. See Fig. 62 .
Suspension Position Sensor- LR	In left rear wheel well area, from frame to control arm. See Fig. 62 .
Suspension Position Sensor- RF	In right front wheel well area, from frame to control arm.
Suspension Position Sensor- RR	In right rear wheel well area, from frame to control arm. See Fig. 62 .
Throttle Pedal Actuator Position Sensor	Under left side of dash. See Fig. 57 .
Throttle Position Sensor (3.6L)	Front center of engine intake manifold.
Throttle Position Sensor (4.6L)	Front center of engine intake manifold.
Tire Pressure Monitoring Sensor (4)	Inside wheels. See Fig. 65 .
Transmission Fluid Temperature (TFT) Sensor (5L40-E)	Integral to automatic transmission wiring harness. See Fig. 35 .
Transmission Fluid Temperature (TFT) Sensor (5L50-E)	Integral to automatic transmission wiring harness. See Fig. 36 .
Wheel Speed Sensor (WSS)-LF	Behind left front wheel, on inside of hub. See Fig. 62 .
Wheel Speed Sensor (WSS)-LR	Behind left rear wheel, on inside of hub. See Fig. 62 .
Wheel Speed Sensor (WSS)-RF	Behind right front wheel, on inside of hub.
Wheel Speed Sensor (WSS)-RR	Behind right rear wheel, on inside of hub. See Fig. 62 .
Yaw & Lateral/Longitudinal Acceleration Sensor	Under center console. See Fig. 59 .

SOLENOIDS & SOLENOID VALVES

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SOLENOIDS & SOLENOID VALVES LOCATION

Component	Location
A/C Compressor Clutch	At left front of engine, on A/C compressor.
A/T Shift Lock Control Solenoid	Under center console, integral to shifter.
Camshaft Position (CMP) Actuator Solenoid-Exhaust Bank 1 (3.6L)	At front of right cylinder head. See Fig. 46 .
Camshaft Position (CMP) Actuator Solenoid Exhaust- Bank 1 (4.6L)	At top right front of engine. See Fig. 40 .
Camshaft Position (CMP) Actuator Solenoid-Exhaust Bank 2 (3.6L)	At front of left cylinder head. See Fig. 46 .
Camshaft Position (CMP) Actuator Solenoid Exhaust- Bank 2 (4.6L)	At top left front of engine. See Fig. 41 .
Camshaft Position (CMP) Actuator Solenoid-Intake Bank 1 (3.6L)	At front of right cylinder head. See Fig. 46 .
Camshaft Position (CMP) Actuator Solenoid-Intake Bank 2 (3.6L)	At front of left cylinder head. See Fig. 46 .
CMP Actuator Solenoid Exhaust- Bank 2 (4.6L)	At top left front of engine. See Fig. 41 .
CMP Actuator Solenoid Intake- Bank 1 (4.6L)	At top right front of engine. See Fig. 40 .
CMP Actuator Solenoid Intake- Bank 2 (4.6L)	At top left front of engine. See Fig. 41 .
EVAP Canister Purge Solenoid Valve (3.6L)	At top rear of engine. See Fig. 48 .
EVAP Canister Vent Solenoid Valve	At vehicle underbody, above rear differential. See Fig. 51 .
Evaporative Emission (EVAP) Canister Purge Valve (4.6L)	At top front of engine. See Fig. 40 .
Evaporative Emission (EVAP) Canister Vent Solenoid (4.6L)	At vehicle underbody, above rear differential. See Fig. 44 .
Fuel Injector 1 (3.6L)	Under upper intake, in No. 1 cylinder runner.
Fuel Injector 1 (4.6L)	At top right cylinder head. See Fig. 40 .
Fuel Injector 2 (3.6L)	Under upper intake, in No. 2 cylinder runner.
Fuel Injector 2 (4.6L)	At top left cylinder head. See Fig. 41 .
Fuel Injector 3 (3.6L)	Under upper intake, in No. 3 cylinder runner.
Fuel Injector 3 (4.6L)	At top right cylinder head. See Fig. 41 .
Fuel Injector 4 (3.6L)	Under upper intake, in No. 4 cylinder runner.

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Fuel Injector 4 (4.6L)	At top left cylinder head. See Fig. 41 .
Fuel Injector 5 (3.6L)	Under upper intake, in No. 5 cylinder runner.
Fuel Injector 5 (4.6L)	At top right cylinder head. See Fig. 41 .
Fuel Injector 6 (3.6L)	Under upper intake, in No. 6 cylinder runner.
Fuel Injector 6 (4.6L)	At top left cylinder head. See Fig. 41 .
Fuel Injector 7 (4.6L)	At top right cylinder head. See Fig. 41 .
Fuel Injector 8 (4.6L)	At top left cylinder head. See Fig. 41 .
Ignition Lock Cylinder Actuator	At top right side of steering column. See Fig. 25 .
Ignition Lock Solenoid	At right side of steering column. See Fig. 21 .
Intake Manifold Runner Control (IMRC) Solenoid (3.6L)	On left rear of intake manifold. See Fig. 48 .
Left Rear Shock Actuator	At left rear wheelwell. See Fig. 30 .
Pressure Control Solenoid (PCS) Assembly (5L40-E)	In transmission. See Fig. 35 .
Pressure Control Solenoid (PCS) Assembly (5L50-E)	In transmission. See Fig. 36 .
Right Rear Shock Actuator	At right rear wheelwell.
Shift Lock Actuator	Under center console, at base of shift lever assembly. See Fig. 34 .
Starter Solenoid	Attached to starter.
TCC PWM Solenoid Valve (5L40-E)	In transmission. See Fig. 35 .
TCC PWM Solenoid Valve (5L50-E)	In transmission. See Fig. 36 .
1-2 Shift Solenoid (SS) Valve Assembly (5L40-E)	In transmission. See Fig. 35 .
1-2 Shift Solenoid (SS) Valve Assembly (5L50-E)	In transmission. See Fig. 36 .
2-3 Shift Solenoid (SS) Valve Assembly (5L40-E)	In transmission. See Fig. 35 .
2-3 Shift Solenoid (SS) Valve Assembly (5L50-E)	In transmission. See Fig. 36 .
4-5 Shift Solenoid (SS) Valve Assembly (5L40-E)	In transmission. See Fig. 35 .
4-5 Shift Solenoid (SS) Valve Assembly (5L50-E)	In transmission. See Fig. 36 .

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SWITCHES**SWITCHES LOCATION**

Component	Location
A/C Pressure Switch	At left side of engine compartment, on high pressure line. See Fig. 9 .
A/C Refrigerant Pressure Switch	Near left front frame rail & engine control module (ECM).
Brake Fluid Level Switch	On master brake cylinder reservoir. See Fig. 56 .
Coolant Level Switch	At left rear of engine compartment, on coolant tank.
Emergency Brake Warning Light Switch	Under left side of dash. See Fig. 57 .
Engine Oil Level Switch	At bottom center of engine oil pan.
Hood Ajar Switch	At right side of engine compartment. See Fig. 21 .
Liftgate Ajar Switch	Integrated in rear liftgate locking mechanism.
Park Brake Connector	Under left side of dash. See Fig. 24 .
Park Brake Switch	Under left side of dash, on park brake pedal assembly.
PRNDL Switch	Under center console, at base of shift lever assembly. See Fig. 34 .
Seat Belt Pretensioner/Seat Belt Switch- Left	At left side of driver seat. See Fig. 26 .
Tap Up/Tap Down Switch	In center console, part of electronic PRNDL.
Transmission Manual Shift Shaft Switch Assembly (5L40-E)	At left side of transmission. See Fig. 35 .
Transmission Manual Shift Shaft Switch Assembly (5L50-E)	At left side of transmission. See Fig. 36 .
Windshield Washer Fluid Level Switch	At right front of engine compartment, near base of washer fluid reservoir.

MISCELLANEOUS**MISCELLANEOUS LOCATION**

Component	Location
Amplifier	At left rear corner of cargo compartment. See Fig. 23 .

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Antenna Radio Rear Window-AM/FM1	Integral with right rear quarter window. See Fig. 33 .
Antenna Radio Rear Window-RFA/FM2	Integral with left rear quarter window. See Fig. 32 .
Audio Amplifier	At left rear corner of vehicle. See Fig. 15 .
Auxiliary Blower Motor Resistor Assembly	On auxiliary blower motor. See Fig. 68 .
Auxiliary Outlets	At rear of center console. See Fig. 16 .
Auxiliary Power Outlet-Rear Cargo	At right rear corner of cargo compartment. See Fig. 8 .
Backlight Steering Controls Fuse	At middle of steering column. See Fig. 25 .
Battery	At right rear of engine compartment. See Fig. 37 .
Blower Motor Resistor Assembly- Auxiliary	In left rear quarterpanel, on HVAC case.
Cellular Antenna	On right rear quarter glass.
Data Link Connector (DLC)	Under left side of dash. See Fig. 24 .
Digital Radio Antenna-Satellite/Terrestrial	At center rear of roof. See Fig. 32 .
Digital Radio Receiver	At right rear of vehicle. See Fig. 14 .
Digital Radio Receiver-L Band	At right rear quarterpanel, behind trim panel. See Fig. 67 .
Electronic PRNDL	Under center console, attached to shifter.
Engine Block Heater Assembly (3.6L)	At right rear of engine. See Fig. 55 .
Front Glass TV Antenna	Integral with windshield. See Fig. 32 .
Generator	At right front of engine. See Fig. 37 .
GPS Antenna	At upper center of windshield. See Fig. 31 .
Heated Seat Element- Driver	In driver seat cushion.
Heated Seat Element- Front Passenger	In front passenger seat cushion.
Heated Washer Nozzle- Left	At left side of hood.
Heated Washer Nozzle- Right	At right side of hood.
Horn Assembly	Below left headlight assembly.
Ignition Coil 1 (3.6L)	At top rear of right cylinder head. See Fig. 55 .
Ignition Coil 2 (3.6L)	At top front of left cylinder head. See Fig. 45 .
Ignition Coil 3 (3.6L)	At top center of right cylinder head. See Fig. 55 .

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Ignition Coil 4 (3.6L)	At top center of left cylinder head. See Fig. 45 .
Ignition Coil 5 (3.6L)	At top front of right cylinder head. See Fig. 55 .
Ignition Coil 6 (3.6L)	At top rear of left cylinder head. See Fig. 45 .
Left Front Antenna Amplifier	At upper left of windshield. See Fig. 32 .
Left Rear Antenna Amplifier	Under headliner, above left rear quarter window. See Fig. 32 .
Magnasteer(R) Assembly	On steering cylinder. See Fig. 64 .
Mobile Antenna	At top center of right rear quarter window. See Fig. 33 .
Navigational Antenna	At upper center of windshield. See Fig. 32 .
Noise Compensation Microphone	In overhead console.
Rear Auxiliary Outlets	At right rear quarterpanel. See Fig. 17 .
Right Front Antenna Amplifier	At upper right of windshield. See Fig. 32 .
Right Rear Antenna Amplifier	Under headliner, above right rear quarter window. See Fig. 33 .
Satellite Radio Receiver	At right rear corner of cargo compartment. See Fig. 66 .
Seat Belt Pretensioner- Left	Part of left front seat belt buckle.
Seat Belt Pretensioner- Right	Part of right front seat belt buckle.
Seat Belt Pretensioner/Seat Belt Switch- Left	At right side of driver seat. See Fig. 26 .
Steering Wheel Coil	At top of steering column, under steering wheel. See Fig. 20 .
Suspension Damper- LF	Top of left front shock. See Fig. 62 .
Suspension Damper- LR	Top of left rear shock. See Fig. 62 .
Suspension Damper- RF	Top of right front shock.
Suspension Damper- RR	Top of right rear shock. See Fig. 62 .
Theft Deterrent Alarm	Rear of right shock tower.

CONNECTORS

CONNECTORS LOCATION

Component	Location
C101 (Black, 12 Pin)	Near right front strut tower. See Fig. 47 .

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C102 (Black, 24 Pin)	Near left rear of intake manifold. See Fig. 41 .
C104 (4.6L) (Black, 12 Pin)	Near left rear of intake manifold.
C105 (Black, 12 Pin)	Near right front strut tower.
C106 (3.6L) (Black, 2 Pin)	On intake manifold.
C107 (4.6L) (Black, 1 Pin)	In engine compartment, near starter.
C108 (3.6L) (Black, 7 Pin)	In engine compartment, near starter.
C111 (Gray, 12 Pin)	Behind left headlight assembly.
C112 (Gray, 12 Pin)	Behind right headlight assembly.
C139 (4.6L) (Black, 7 Pin)	Near left rear cam cover. See Fig. 41 .
C140 (4.6L) (Black, 7 Pin)	Near right rear cam cover. See Fig. 40 .
C200 (Black, 26 Pin)	Behind left dash end cover.
C201 (Black, 26 Pin)	Behind right dash end cover.
C202 (Black, 40 Pin)	Near base of steering column. See Fig. 25 .
C205 (Black, 26 Pin)	Under right front corner of console.
C300 (Black, 26 Pin)	Under driver seat.
C303 (Black, 26 Pin)	Under center of dash.
C304 (Green, 10 Pin)	Under center of dash, below HVAC module.
C305 (Blue, 16 Pin)	At right rear wheelwell.
C307 (Gray, 14 Pin)	Under front passenger seat.
C308 (Gray, 16 Pin)	At right rear wheelwell.
C310 (Gray, 4 Pin)	At right rear wheelwell.
C311 (Gray, 6 Pin)	At right rear quarter trim panel in headliner, near radio antenna module.
C312 (Blue, 16 Pin)	Under center console.
C314 (Green, 16 Pin)	At right rear wheelwell.
C315 (Gray, 12 Pin)	Under right rear quarterpanel.
C321 (Green, 16 Pin)	Behind center of dash, near HVAC module. See Fig. 11 .
C322 (White, 6 Pin)	Behind right side of dash, right of blower motor. See Fig. 11 .
C401 (Black, 8 Pin)	At right upper "D" pillar.
C402 (Black, 12 Pin)	Under left side of rear bumper.
C403 (Black, 2 Pin)	At upper right "D" pillar.
C404 (Black, 8 Pin)	At left upper "D" pillar.

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C420 (4.6L) (Black, 10 Pin)	Above rear axle. See Fig. 44 .
C500 (Gray, 14 Pin)	Near left front door hinges.
C501 (White, 12 Pin)	At left front kick panel.
C600 (Gray, 14 Pin)	Near right front door hinges.
C601 (White, 12 Pin)	Under right front door trim pad.
C700 (Gray, 14 Pin)	Near left rear door hinges. See Fig. 22 .
C701 (White, 12 Pin)	Under left rear door trim pad. See Fig. 22 .
C800 (Gray, 14 Pin)	Near right rear door hinges.
C801 (White, 12 Pin)	Under right rear door trim pad.

GROUND S

GROUND S LOCATION

Component	Location
ECM Case Ground (3.6L)	At right front of engine. See Fig. 47 .
G100 (4.6L)	On engine, at front of left cylinder head. See Fig. 39 .
G101	At left rear of engine compartment. See Fig. 12 .
G102	On right side of engine. See Fig. 38 .
G104	At right front of engine compartment. See Fig. 4 .
G105	At right side of engine compartment, near battery. See Fig. 38 .
G107 (4.6L)	On front side of left cylinder head. See Fig. 39 .
G108 (3.6L)	On front side of left cylinder head. See Fig. 38 .
G109 (3.6L)	On front side of left cylinder head. See Fig. 38 .
G110	In engine compartment, on right frame rail. See Fig. 38 .
G111 (3.6L)	On front side of right cylinder head. See Fig. 38 .
G112 (3.6L)	On front side of right cylinder head. See Fig. 38 .

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G113 (3.6L)	On front side of left cylinder head. See Fig. 38 .
G114 (3.6L)	On front side of left cylinder head. See Fig. 38 .
G132 (3.6L)	At top front of engine. See Fig. 47 .
G133 (3.6L)	At top right of engine. See Fig. 47 .
G200	Behind left kick panel. See Fig. 5 .
G201	Behind right kick panel. See Fig. 5 .
G306	Under center console. See Fig. 5 .
G307	In passenger compartment, left of drivers seat. See Fig. 5 .
G401	Rear of right rear shock tower on "D" pillar. See Fig. 6 .
G402	Rear of left rear shock tower on "D" pillar. See Fig. 6 .

SPLICES**SPLICES LOCATION**

Component	Location
Splice Pack SP200	Under right side of dash, behind glove box.
Splice Pack SP300	Under driver seat. See Fig. 5 .
Splice Pack SP304	Under right rear quarter trim panel, approximately 300 mm forward of C310.
S100	In engine harness, approximately 18.5 cm from generator connector.
S101	In engine harness, approximately 34 cm from generator connector.
S102	In engine harness, approximately 25 cm from underhood fuse block.
S103	In engine harness, approximately 21 cm from engine control module.
S108	In fuel injector harness, near in-line connection to engine harness.
S109	In engine harness, approximately 35 cm from underhood fuse block.
	In starter harness, approximately 30 cm from

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S110	G100.
S111	In engine harness, approximately 20 cm from engine coolant sensor.
S112	In engine harness, approximately 21.5 cm from engine coolant sensor.
S113	In engine harness, approximately 37 cm from heated oxygen sensor (HO2S) bank 1 sensor 1.
S114	In engine harness, approximately 14 cm from fuel injector 5.
S115	In engine harness, approximately 16 cm from fuel injector 3.
S116	In engine harness, approximately 18.5 cm from fuel injector 1.
S117	In engine harness, approximately 44 cm from engine control module.
S118	In engine harness, approximately 18.5 cm from fuel injector 1.
S119	In starter harness, approximately 30 cm from C108.
S120	In engine harness, approximately 30 cm from engine control module.
S121	In engine harness, approximately 31 cm from engine control module.
S122	In fuel injector harness, approximately 30 cm from fuel injector 1.
S123	In fuel injector harness, approximately 25 cm from fuel injector 2.
S124	In engine harness, approximately 32 cm from engine control module.
S125	In fuel injector harness, approximately 30 cm from ignition coil 1.
S126	In fuel injector harness, approximately 30 cm from ignition coil 3.
S127	In fuel injector harness, approximately 33 cm from ignition coil 2.
S128	In fuel injector harness, approximately 34 cm

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	from ignition coil 4.
S131	In ignition coil harness, approximately 36 cm from ignition coil module 2.
S133	In ignition coil harness, approximately 30 cm from ignition coil module 2.
S135	In ignition coil harness, approximately 31 cm from ignition coil module 8.
S136	In headlamp harness, approximately 35 cm from left park light.
S137	In headlamp harness, approximately 32 cm from left park light.
S138	In headlamp harness, approximately 30 cm from right park light.
S139	In headlamp harness, approximately 30 cm from right park light.
S140	In headlamp harness, approximately 30 cm from left side marker light.
S141	In headlamp harness, approximately 38 cm from right side marker light.
S142	In ignition coil harness, approximately 30 cm from ignition coil module 1.
S144	In ignition coil harness, approximately 39 cm from ignition coil module 1.
S146	In ignition coil harness, approximately 30 cm from ignition coil module 7.
S147	In headlamp harness, approximately 37 cm from left side marker light.
S148	In headlamp harness, approximately 30 cm from right side marker light.
S200	In I/P harness, approximately 37 cm from inside air temperature sensor.
S201	In steering column harness, approximately 30 cm from C202.
S202	In steering column harness, approximately 30 cm from C202.
S203	In steering column harness, approximately 40 cm from C202.

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S204	In steering column harness, approximately 35 cm from C202.
S205	In steering column harness, approximately 30 cm from C202.
S206	In steering column harness, approximately 30 cm from horn.
S207	In steering column harness, approximately 30 cm from left steering wheel controls connector.
S208	In I/P harness, approximately 44 cm from inside air temperature sensor.
S209	In I/P harness, approximately 48.5 cm from C103.
S210	In I/P harness, approximately 68 cm from C203.
S217	In HVAC harness, approximately 40 cm from C321.
S218	In HVAC harness, approximately 45 cm from C321.
S301	In body harness, approximately 34.5 cm from front of dash pass through grommet.
S302	In body harness, approximately 10 cm from right rear fuse block.
S303	In body harness, approximately 21 cm from right rear fuse block.
S304	In body harness, approximately 54.5 cm from SDM.
S306	In body harness, approximately 95 cm from audio amplifier.
S307	In body harness, approximately 46 cm from right inflatable restraint roof rail module.
S308	In body harness, approximately 54.5 cm from right inflatable restraint roof rail module.
S309	In body harness, approximately 29.5 cm from right inflatable restraint roof rail module.
S310	In console harness, approximately 26 cm from C304.

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S311	In headliner harness, approximately 73.5 cm from right vanity mirror light.
S312	In headliner harness, approximately 39 cm from right vanity mirror light.
S313	In headliner harness, approximately 21.5 cm from passenger radio antenna module.
S314	In headliner harness, approximately 83.5 cm from right vanity mirror light.
S315	In console harness, approximately 39 cm from right auxiliary power outlet.
S316	In console harness, approximately 20 cm from right auxiliary power outlet.
S317	In body harness, approximately 35 cm from C200.
S318	In driver seat harness, approximately 45 mm from C307.
S319	In headliner harness, approximately 53.5 cm from right vanity mirror light.
S320	In right seat harness, approximately 235 cm from C307.
S321	In body harness, approximately 106 cm from left inflatable restraint roof rail module.
S322	In body harness, approximately 106 cm from right inflatable restraint roof rail module.
S323	In body harness, approximately 116 cm from right inflatable restraint roof rail module.
S324	In HVAC harness, approximately 50 cm from C322.
S348	In left seat harness, approximately 10 cm from driver seat horizontal position sensor.
S349	In left seat harness, approximately 150 cm from driver seat rear vertical position sensor.
S350	In left seat harness, approximately 80 cm from memory seat module.
S351	In left seat harness, approximately 30 cm from driver seat rear vertical position sensor.
S352	In left seat harness, approximately 30 cm

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	from driver seat rear vertical position sensor.
S353	In I/P harness, approximately 14 cm from SP200.
S400	In rear compartment lid harness, approximately 237 cm from C401.
S401	In body harness, approximately 47.5 cm from liftgate door lock relay.
S402	In body harness, approximately 53 cm from liftgate door lock relay.
S403	In body harness, approximately 58 cm from left rear body pass through grommet.
S404	In body harness, approximately 73 cm from left rear body pass through grommet.
S406	In body harness, approximately 38 cm from C314.
S408	In body harness, approximately 32.5 cm from right rear suspension damper.
S409	In fuel harness, approximately 30 cm from C420.
S410	In body harness, approximately 18.5 cm from left rear body pass through grommet.
S411	In body harness, approximately 40.5 cm from right rear body pass through grommet.
S412	In body harness, approximately 28.5 cm from right rear body pass through grommet.
S413	In rear fascia harness, approximately 48 cm from C402.
S414	In rear fascia harness, approximately 38 cm from C402.
S501	In left front door trim harness, approximately 11 cm from driver door module (DDM).
S502	In left front door trim harness, approximately 23 cm from driver door lock switch.
S600	In right front door trim harness, approximately 11 cm from front passenger window switch.
	In right front door trim harness,

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S601	approximately 22 cm from front passenger window switch.
S701	In left rear door harness, approximately 42 cm from C700.
S702	In left rear door harness, approximately 47 cm from C700.
S703	In left rear door harness, approximately 18.5 cm left rear door module.
S900	In liftgate harness, approximately 22 cm from C401.
S902	In liftgate harness, approximately 39.5 cm from rear window wiper motor.
S903	In license lamp housing approximately 30 cm from C901.
S904	In license lamp housing approximately 30 cm from C901 right license light.
S905	In license lamp housing approximately 20 cm from left backup light.
S906	In license lamp housing approximately 20 cm from right backup light.
S907	In license lamp housing approximately 60 cm from right license light.
S908	In license lamp housing approximately 20 cm from left backup light.
S909	In license lamp housing approximately 20 cm from left backup light.

COMPONENT LOCATION GRAPHICS

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

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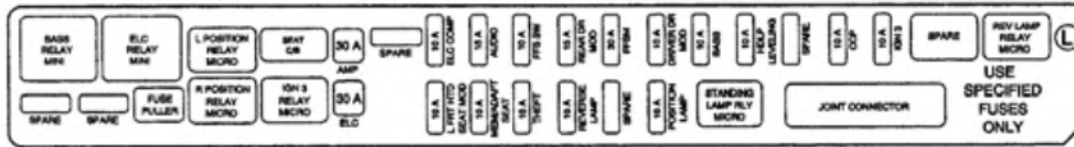
Fig. 1: Underhood Fuse Block
Courtesy of GENERAL MOTORS CORP.



Fig. 2: Right Rear Fuse Block
Courtesy of GENERAL MOTORS CORP.

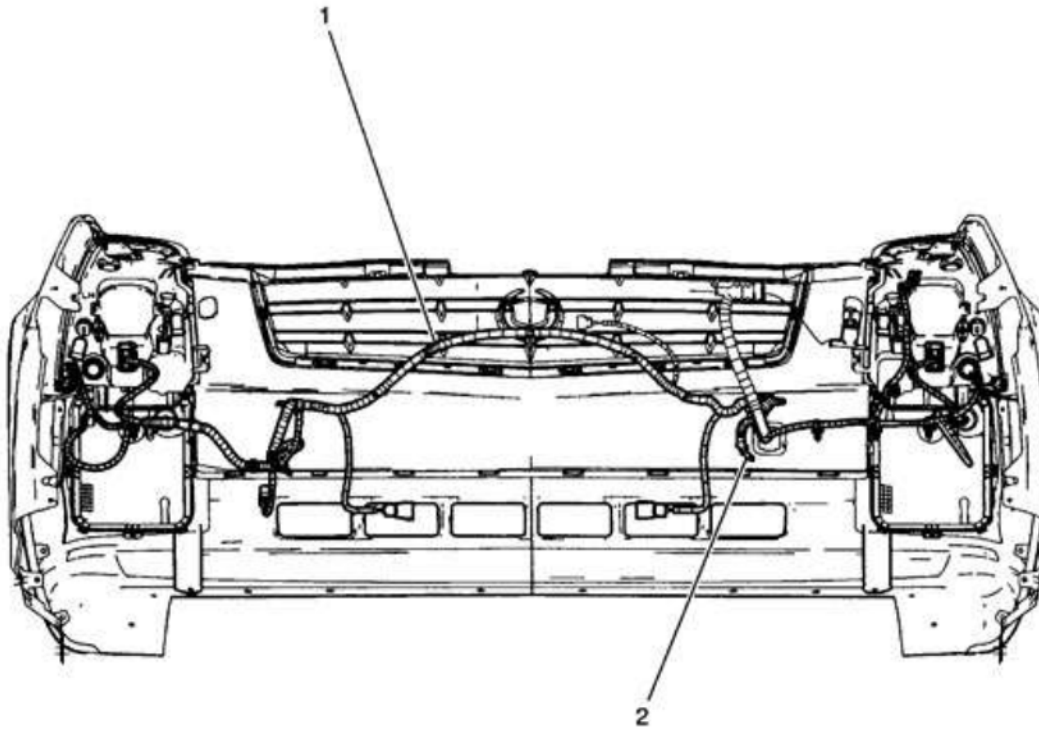
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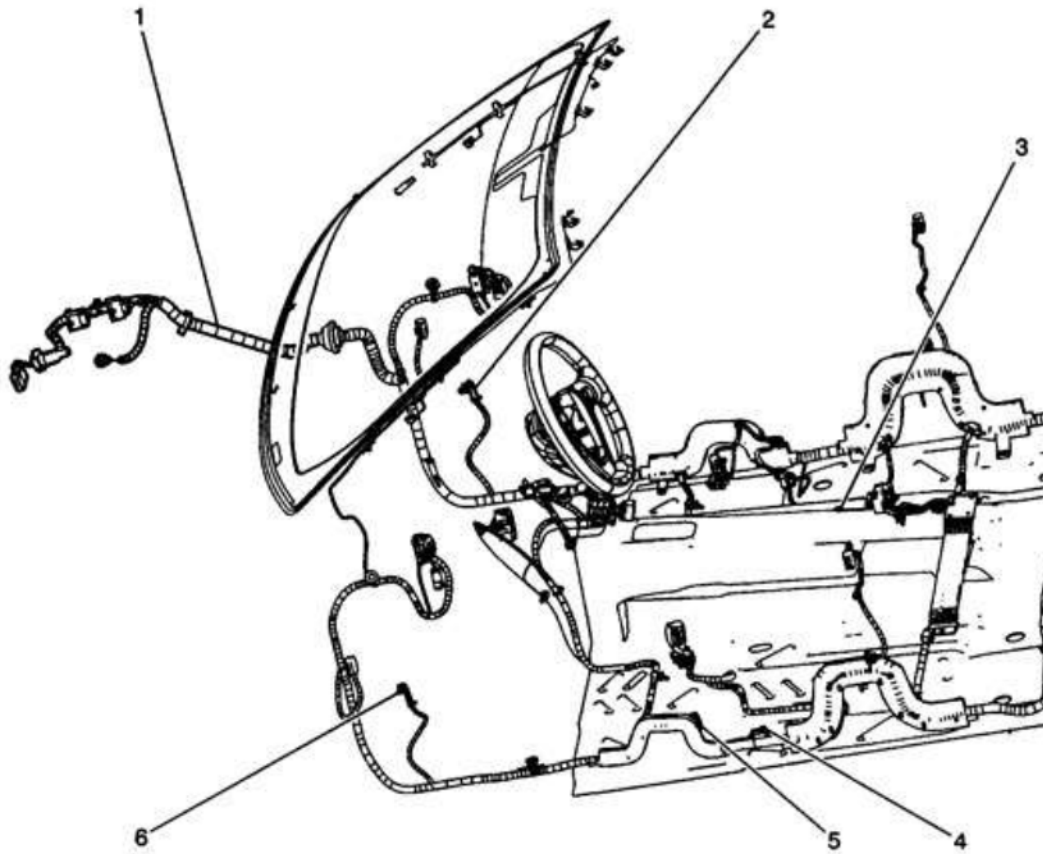
Fig. 3: Left Rear Fuse Block
Courtesy of GENERAL MOTORS CORP.



- (1) Forward Lamp Harness
(2) G104

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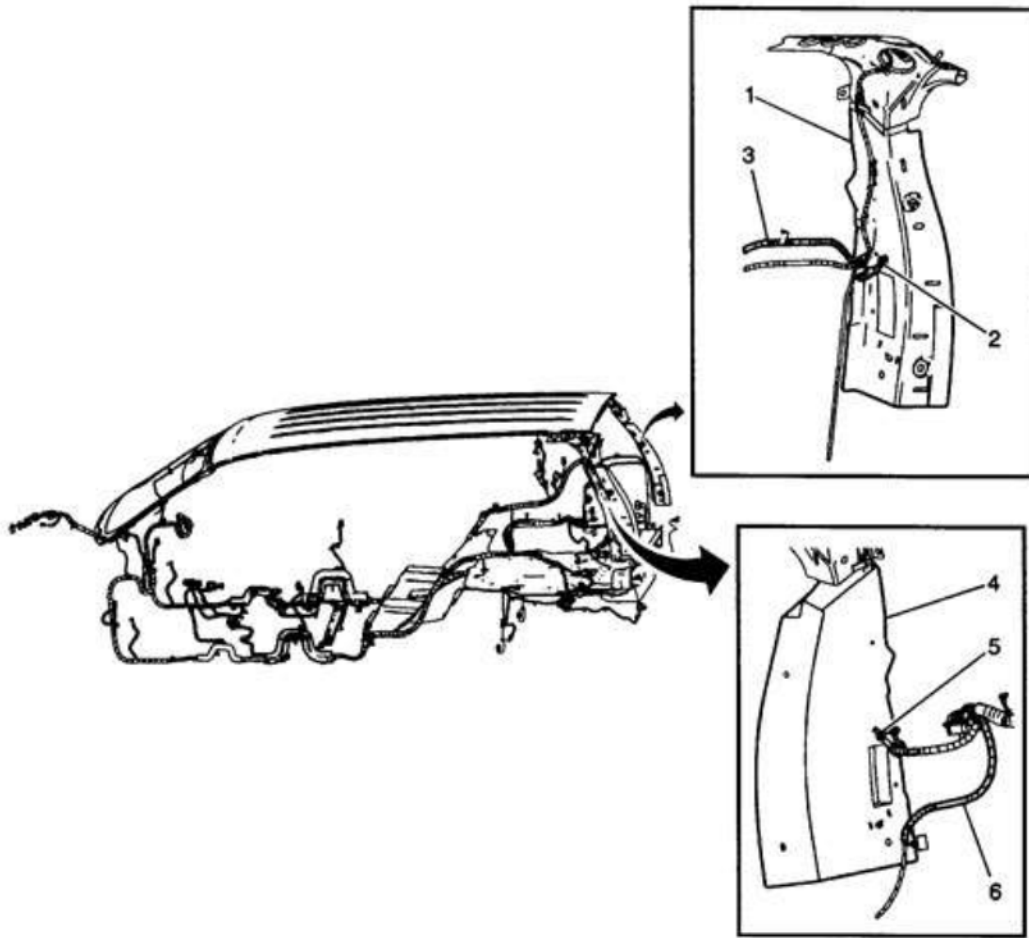
Fig. 4: Front Of Engine Compartment
Courtesy of GENERAL MOTORS CORP.



- (1) Body Harness
- (2) G201
- (3) G306
- (4) Splice Pack SP300
- (5) G307
- (6) G200

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Fig. 5: Front Of Passenger Compartment
Courtesy of GENERAL MOTORS CORP.



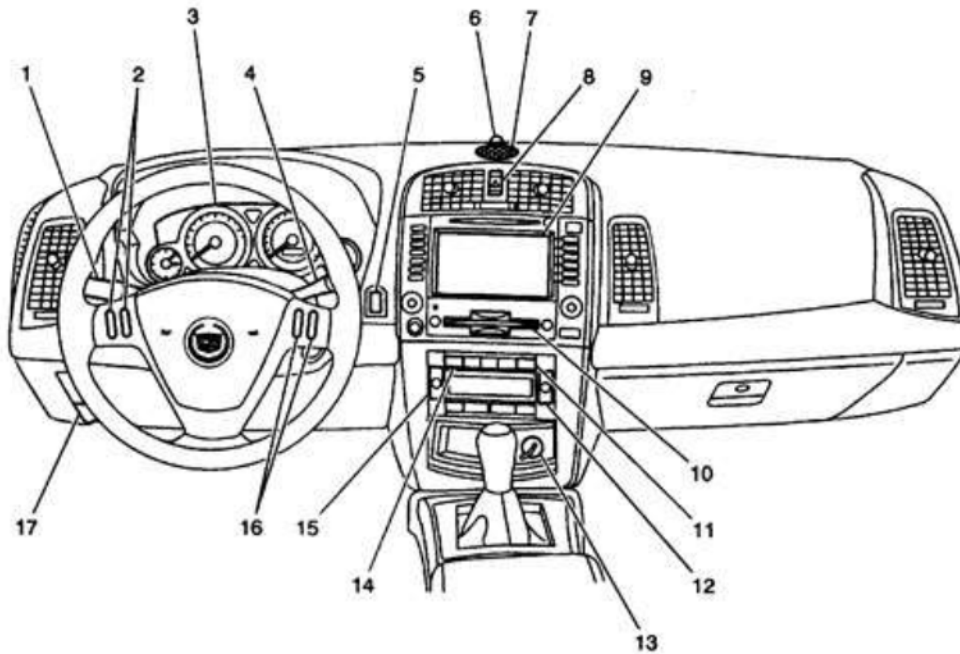
- (1) D Pillar-RR
- (2) G401
- (3) Body Harness
- (4) D Pillar-LR
- (5) G402
- (6) Body Harness

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Fig. 6: Left & Right "D" Pillars
Courtesy of GENERAL MOTORS CORP.

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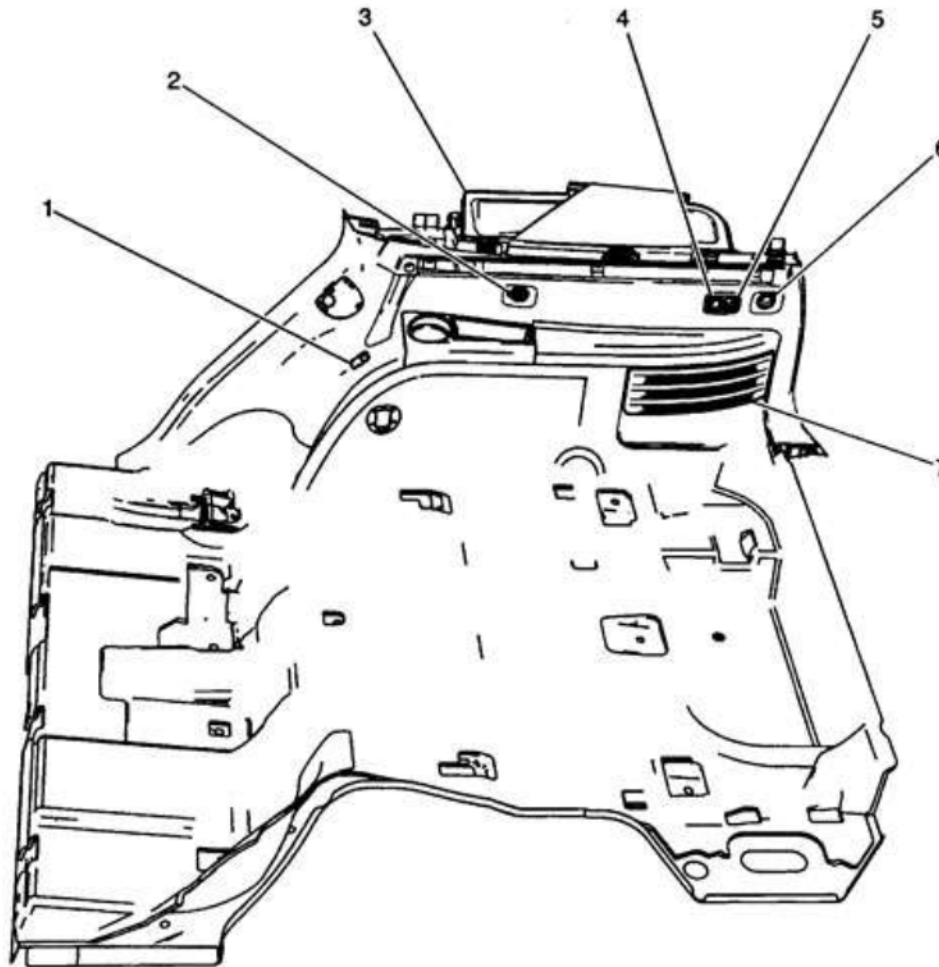
- (1) Turn Signal/Multifunction Switch
- (2) Steering Wheel Controls - Left
- (3) Instrument Panel Cluster
- (4) Windshield Wiper/Washer Switch
- (5) Inside Air Temperature Sensor
- (6) Sunload Sensor
- (7) Dash Speaker
- (8) Hazard Warning Flasher Switch
- (9) Audio/Navigation

- (10) CD Player
- (11) Climate Control - Right
- (12) Passenger Heated Seat Switch
- (13) Cigar Lighter
- (14) Driver Heated Seat Switch
- (15) Climate Control - Left
- (16) Steering Wheel Controls - Left
- (17) Hood Release Lever

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Fig. 7: Dash

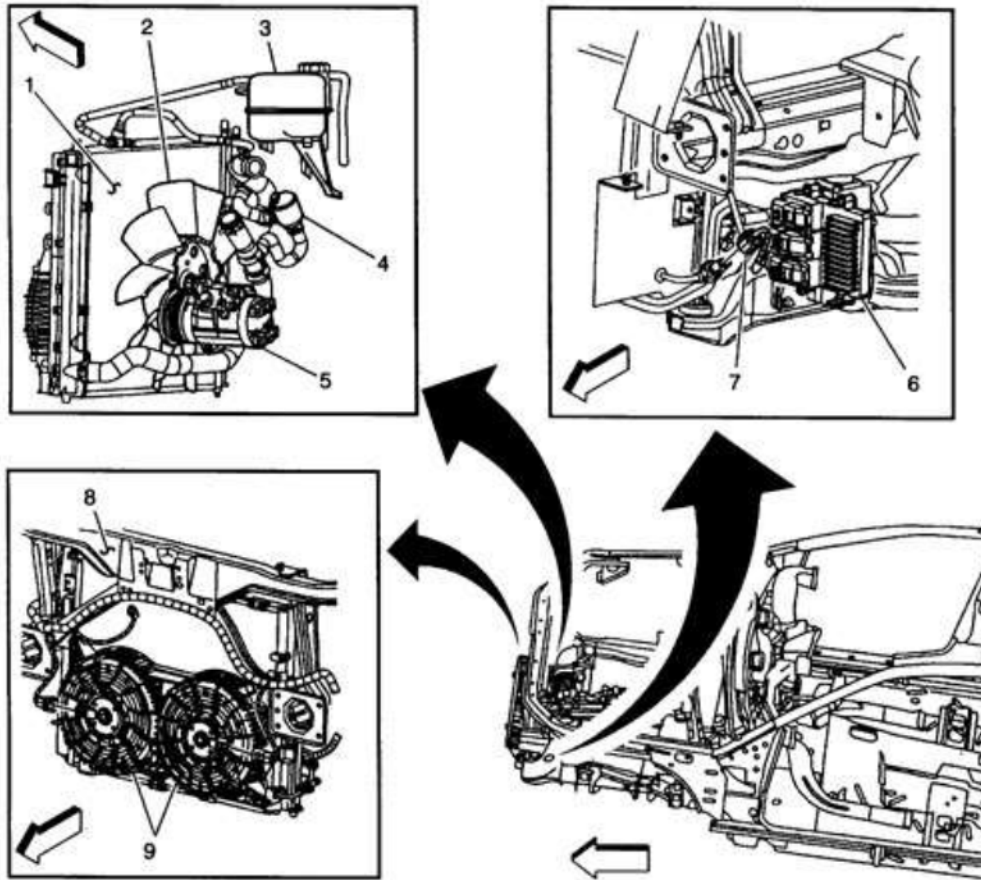
Courtesy of GENERAL MOTORS CORP.



- (1) Right Rear Storage Compartment
- (2) Tilt Forward Switch-3rd Row Seats
- (3) Tilt Down Switch-3rd Row Seats
- (4) Door Lock Switch - Rear Cargo
- (5) Speaker-Rear Quarter
- (6) Tilt Down Switch-3rd Row Seats
- (7) Auxiliary Power Outlet-Rear Cargo

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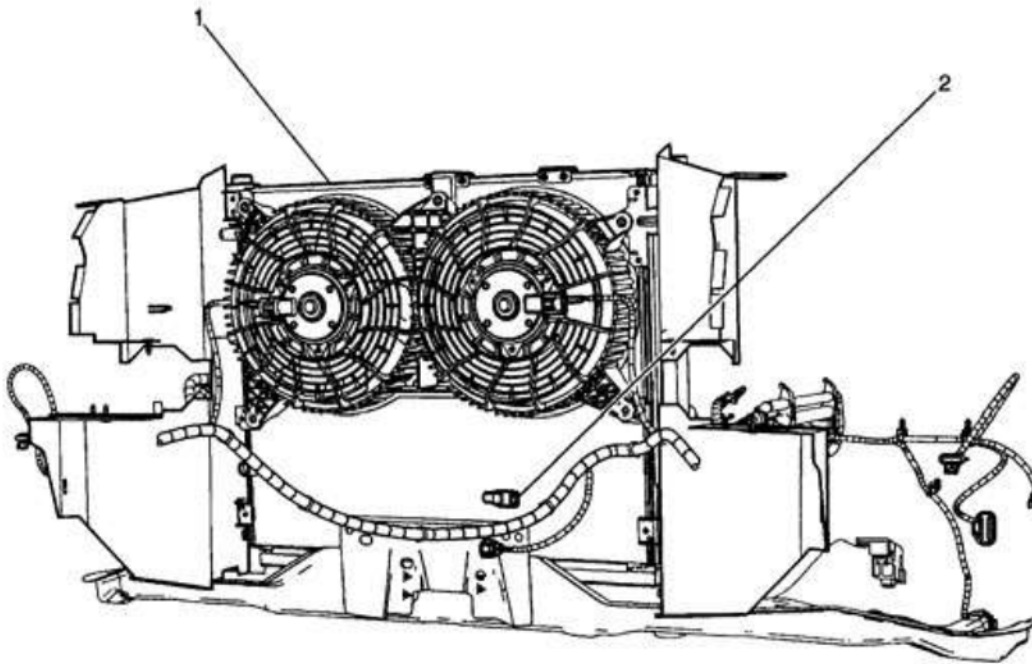
Fig. 8: Rear Cargo Area
Courtesy of GENERAL MOTORS CORP.



- (1) Radiator
- (2) Fan
- (3) Surge Tank
- (4) Pump Assembly
- (5) Compressor Assembly
- (6) A/C Pressure Switch
- (7) Electronic Control Module (ECM)
- (8) Condenser Assembly
- (9) Cooling Fans

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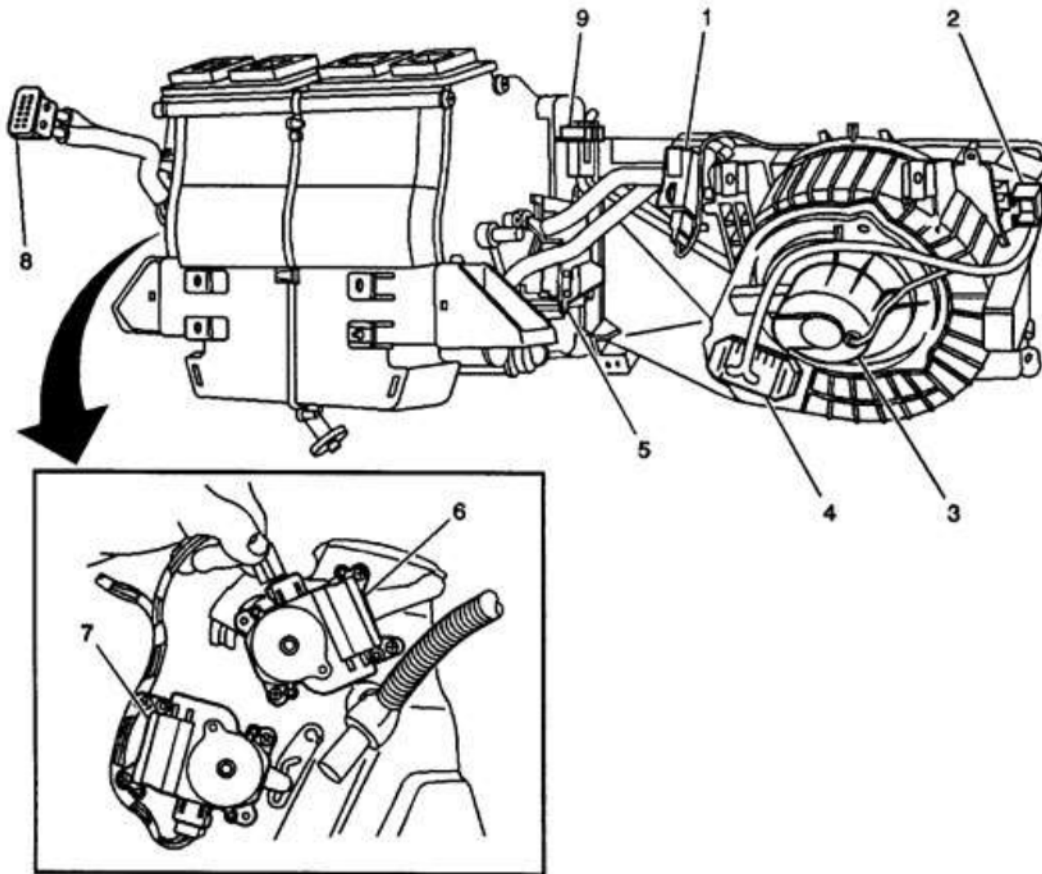
Fig. 9: Engine Compartment
Courtesy of GENERAL MOTORS CORP.



- (1) Radiator Support
- (2) Ambient Air Temperature Sensor

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Fig. 10: Front Of Engine Compartment
Courtesy of GENERAL MOTORS CORP.

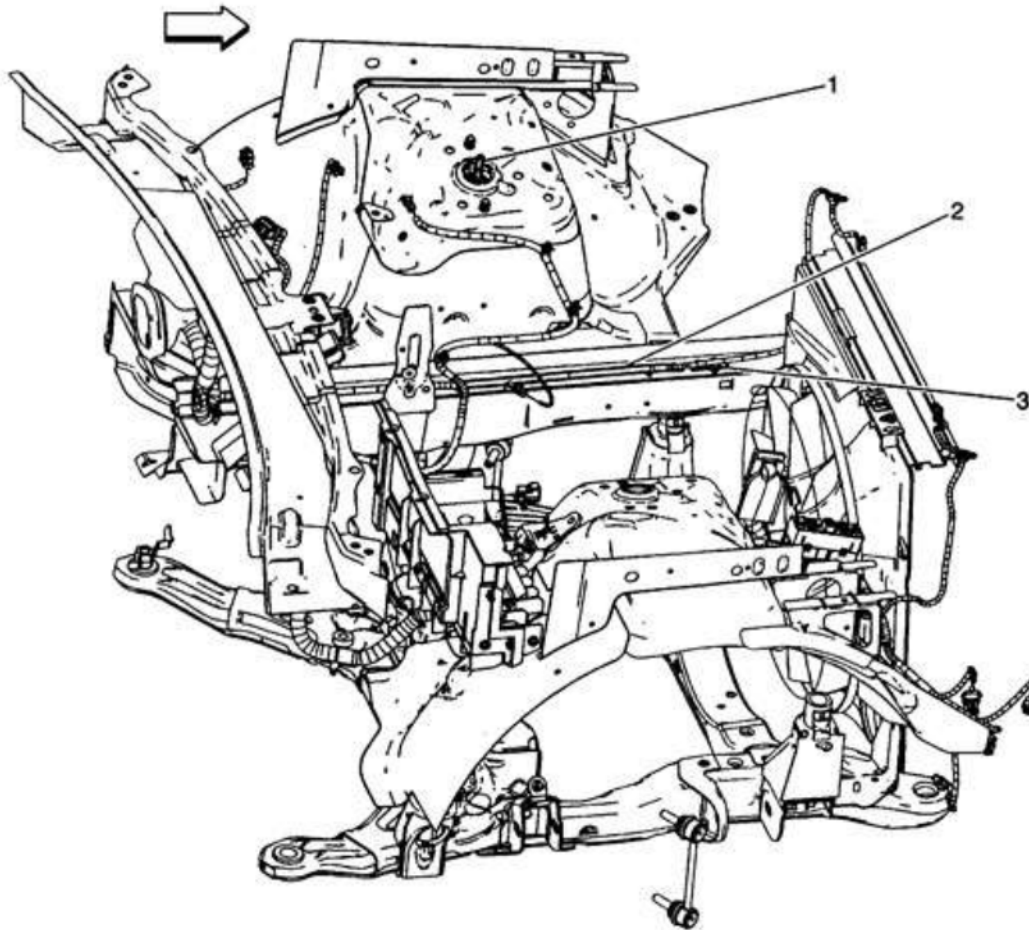


- (1) Recirculation Actuator
- (2) C322 (Inline to I/P Harness)
- (3) Blower Motor
- (4) Blower Motor Control Processor
- (5) Right Air Temperature Actuator
- (6) Mode Actuator
- (7) Left Air Temperature Actuator
- (8) Inside Air Temperature Sensor
- (9) C321 (Inline to I/P Harness)

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Fig. 11: HVAC

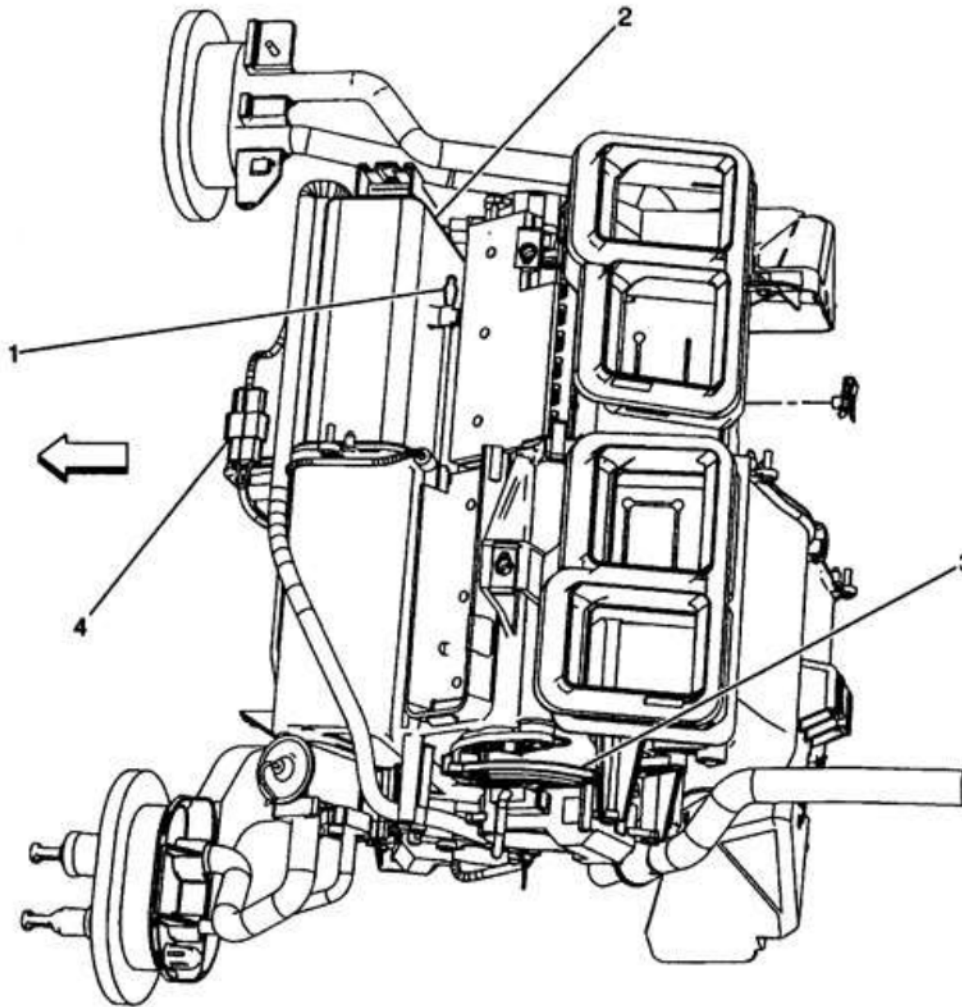
Courtesy of GENERAL MOTORS CORP.



- (1) Shock Absorber-LF
- (2) I/P Harness
- (3) G101

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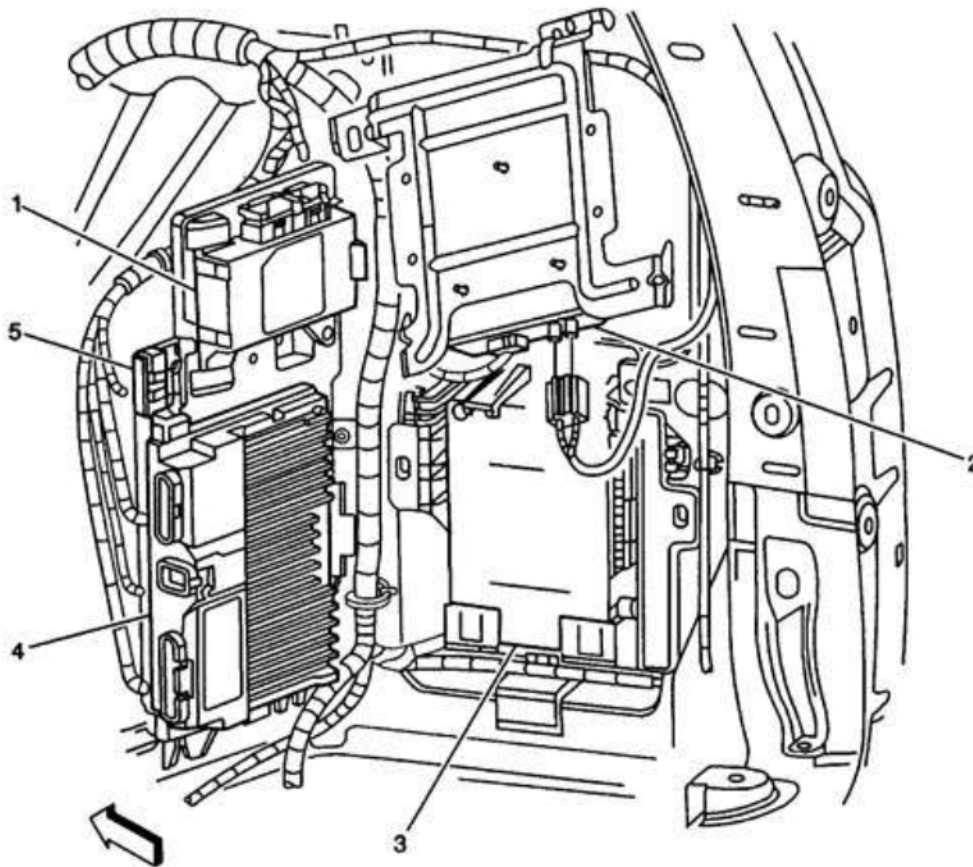
Fig. 12: Engine Compartment
Courtesy of GENERAL MOTORS CORP.



- (1) EVAP Temperature Sensor
- (2) Evaporator Core
- (3) Mode Actuator
- (4) EVAP Temperature Sensor Connector

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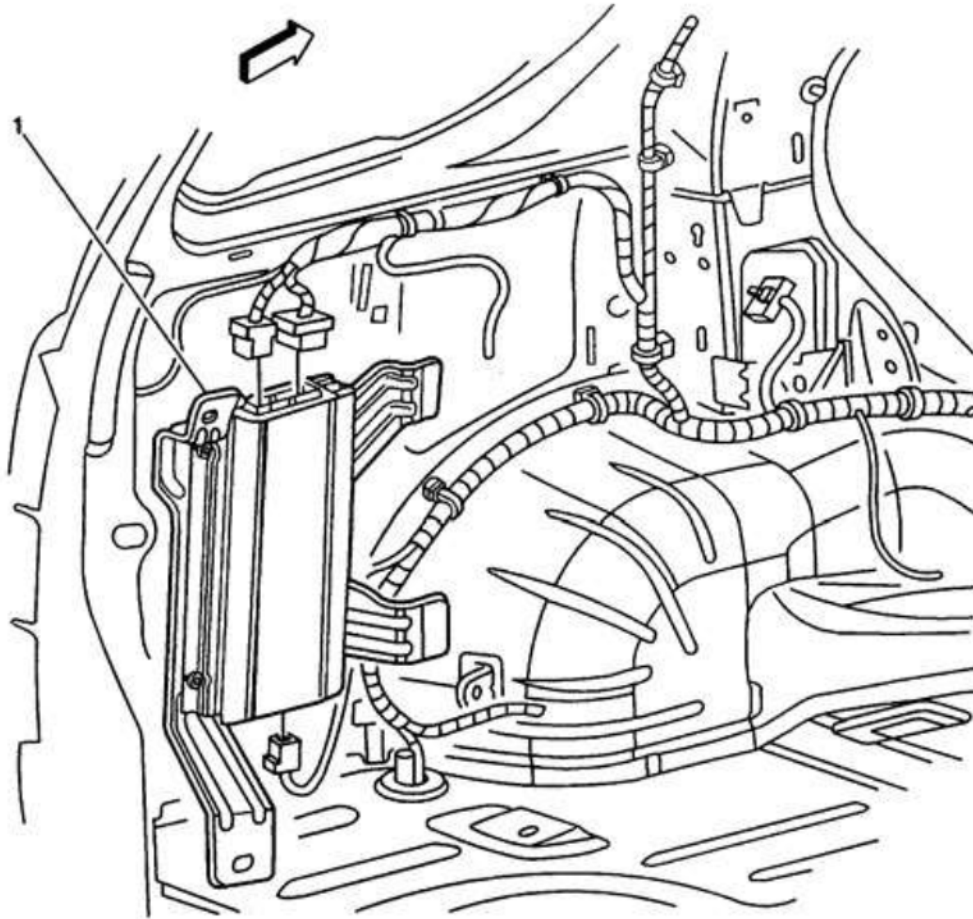
Fig. 13: Top Of Evaporator
Courtesy of GENERAL MOTORS CORP.



- (1) Rear Integration Module
- (2) Digital Radio Receiver
- (3) Vehicle Communication Interface Module (VCIM)
- (4) Suspension Control Module
- (5) Liftgate Lock/Unlock Relay

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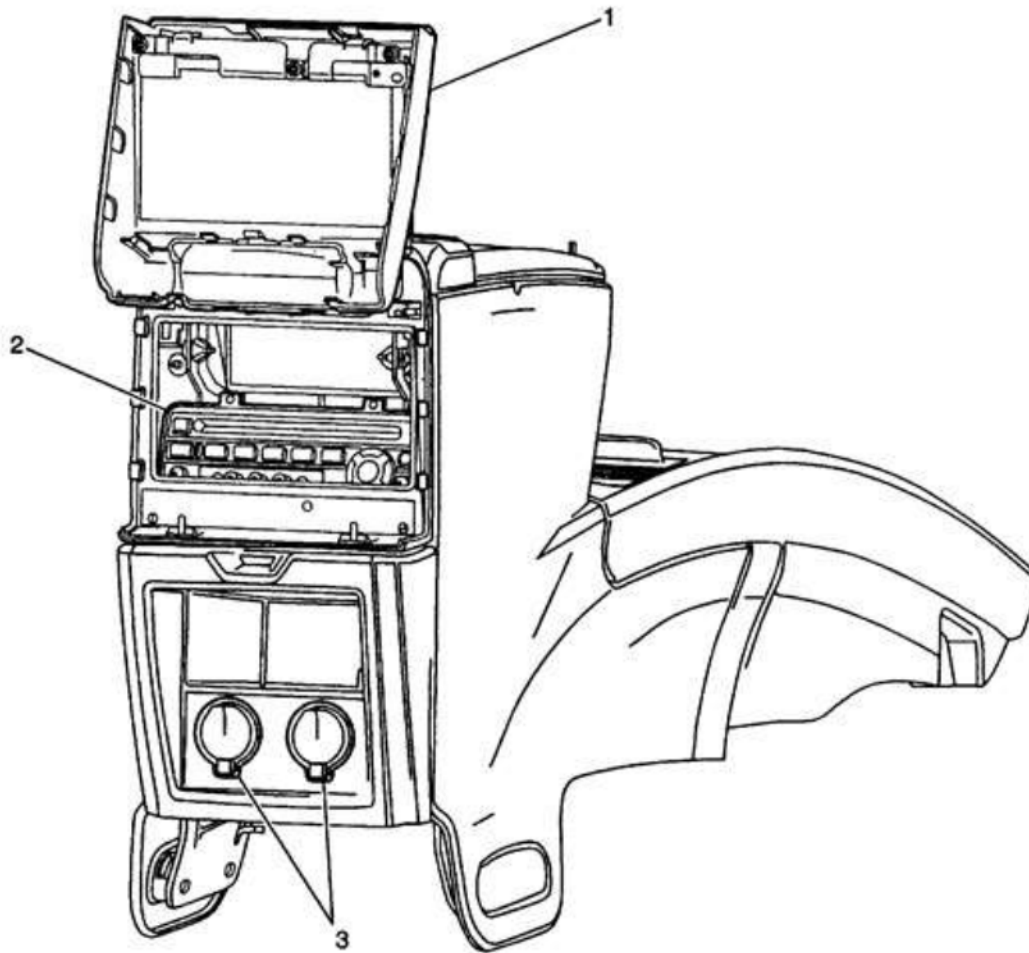
Fig. 14: Right Rear Of Vehicle
Courtesy of GENERAL MOTORS CORP.



(1) Audio Amplifier (U57)

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Fig. 15: Left Rear Of Vehicle
Courtesy of GENERAL MOTORS CORP.



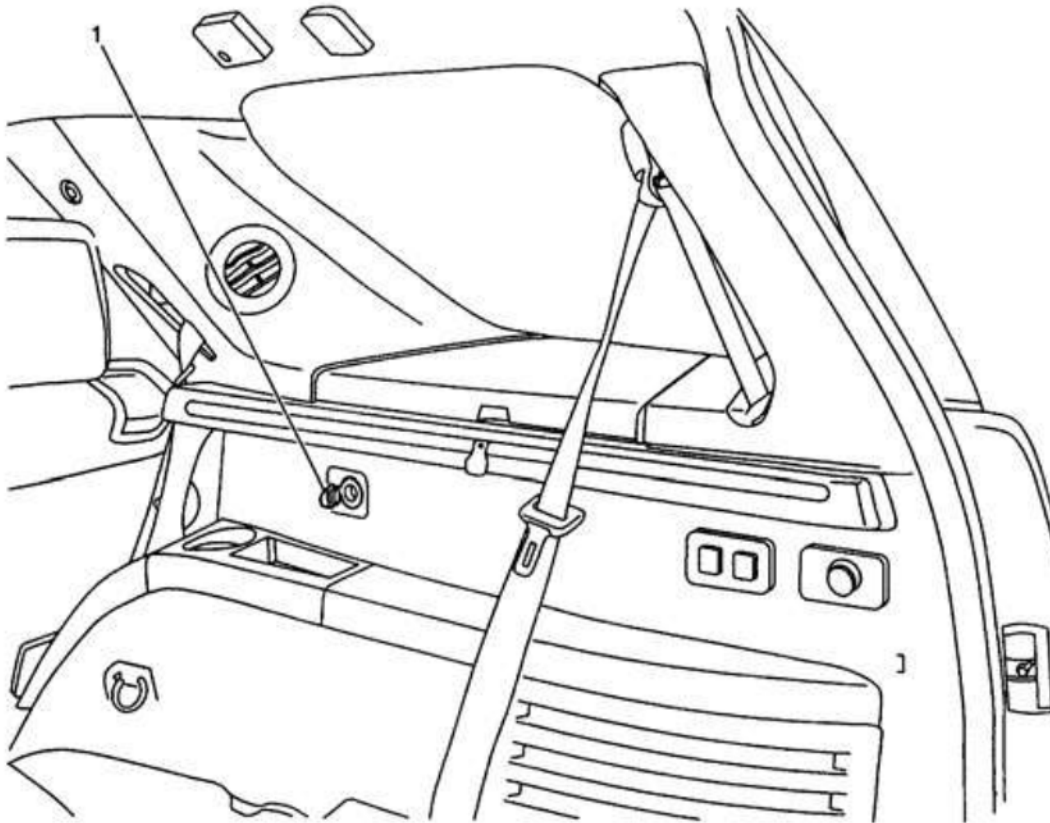
(1) Disc Player and Video Display (DPVD)

(2) TV Tuner

(3) Auxiliary Outlets

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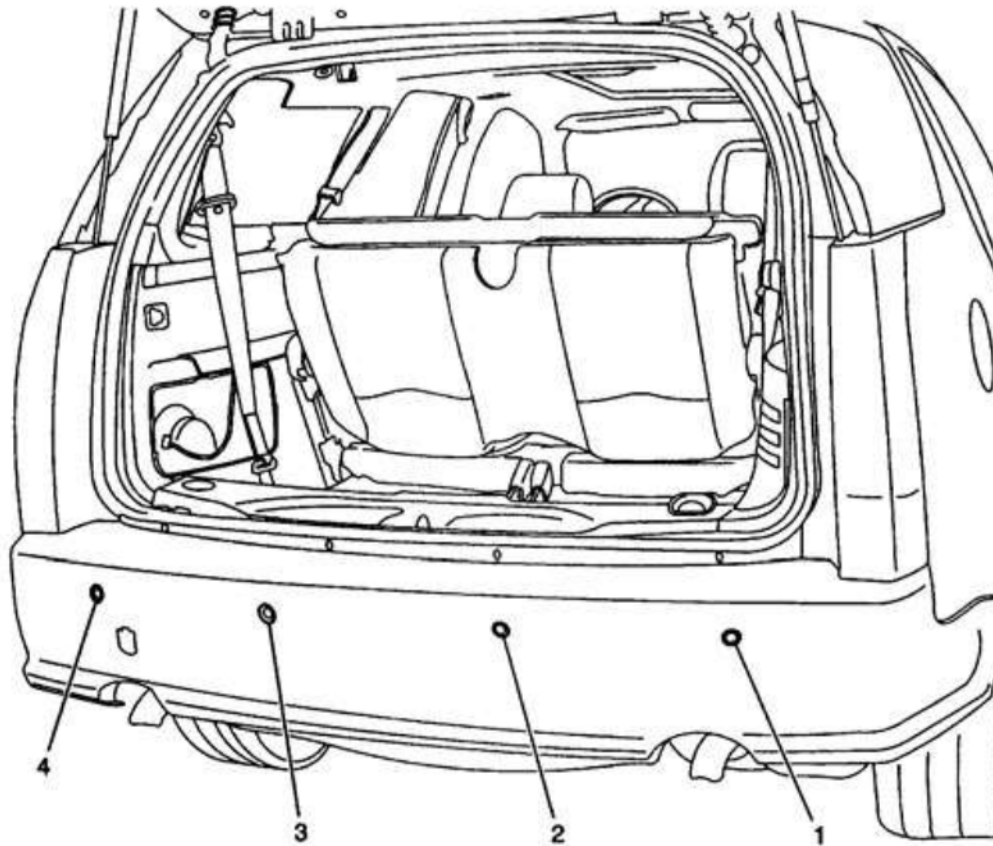
Fig. 16: Rear Of Center Console
Courtesy of GENERAL MOTORS CORP.



(1) Rear Auxiliary Outlets

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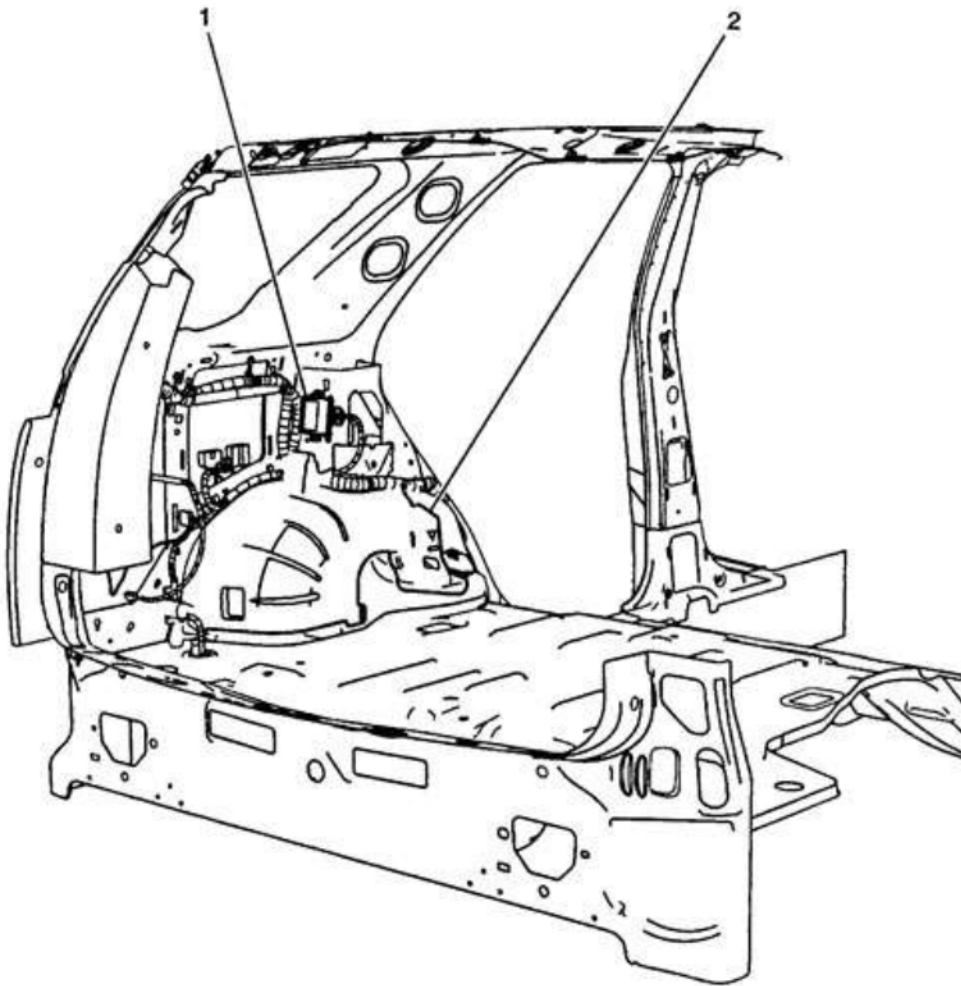
Fig. 17: Right Rear Of Cargo Area
Courtesy of GENERAL MOTORS CORP.



- (1) Rear Parking Assist (RPA) Object Sensor - Right Rear Corner
- (2) RPA Object Sensor - Right Rear Middle
- (3) RPA Object Sensor - Left Rear Middle
- (4) RPA Object Sensor - Left Rear Corner

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Fig. 18: Rear Bumper
Courtesy of GENERAL MOTORS CORP.

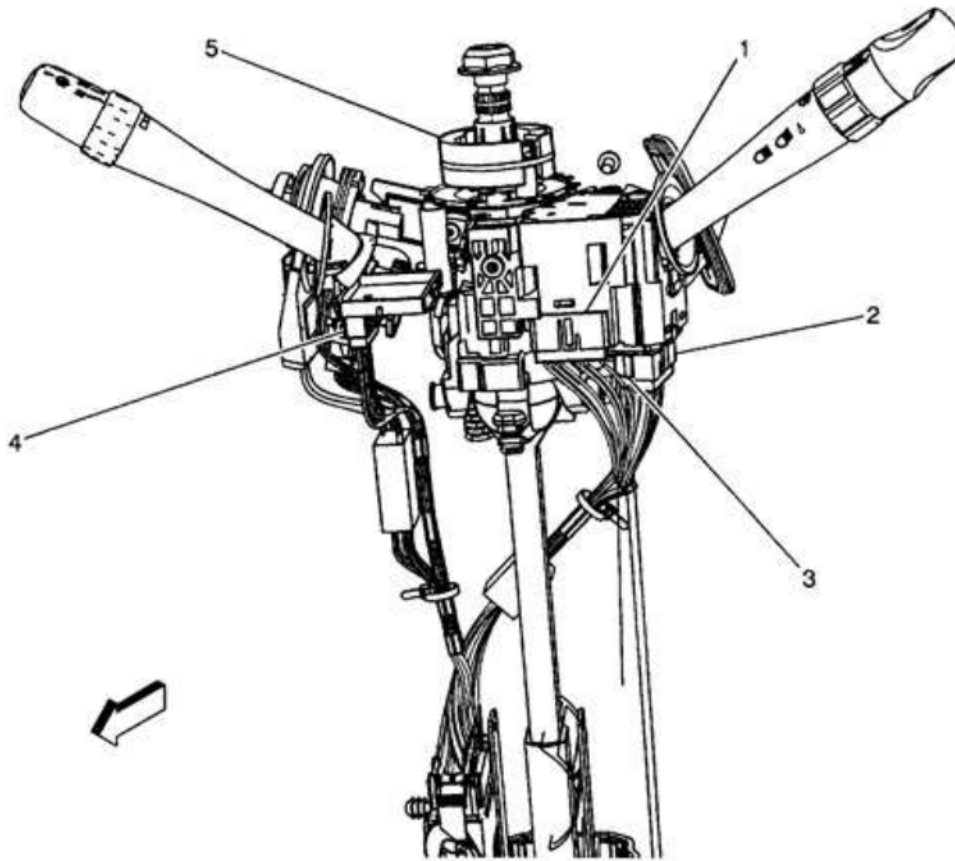


(1) Rear Parking Assist (RPA) Module

(2) Wheel Well-LR

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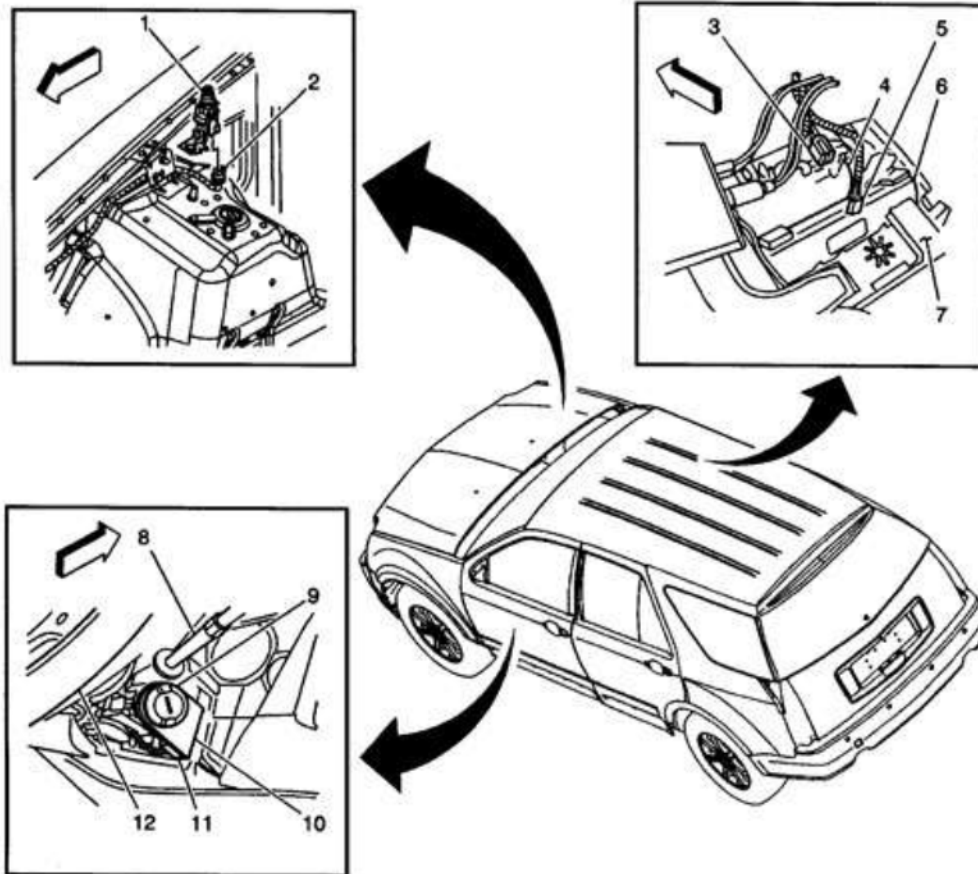
Fig. 19: Left Rear Of Cargo Area
Courtesy of GENERAL MOTORS CORP.



- (1) Multifunction Switch C3
- (2) Multifunction Switch C2
- (3) Multifunction Switch C1
- (4) Windshield Wiper Washer Switch Connector
- (5) Steering Wheel Coil

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Fig. 20: Steering Column Assembly
Courtesy of GENERAL MOTORS CORP.

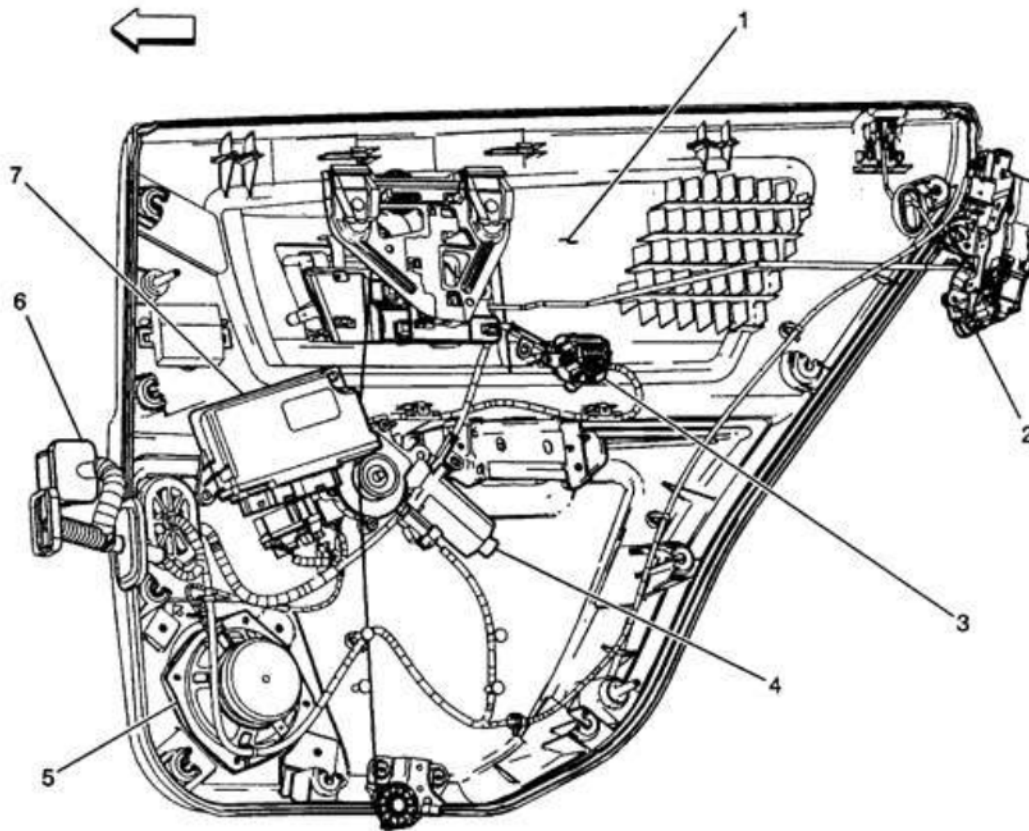


- (1) Hood Ajar Switch
- (2) Hood Ajar Switch Connector
- (3) Dome Lamp Connector
- (4) Dome Lamp
- (5) Intrusion Sensor Connector
- (6) Intrusion Sensor
- (7) Headliner
- (8) Windshield Wiper/Washer Switch
- (9) Ignition Lock Solenoid
- (10) Theft Deterrent Control Module
- (11) Theft Deterrent Control Module Connector
- (12) Steering Wheel

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Fig. 21: Right Side Of Engine Compartment, Center Rear Of Headliner & Left Side Of Dash

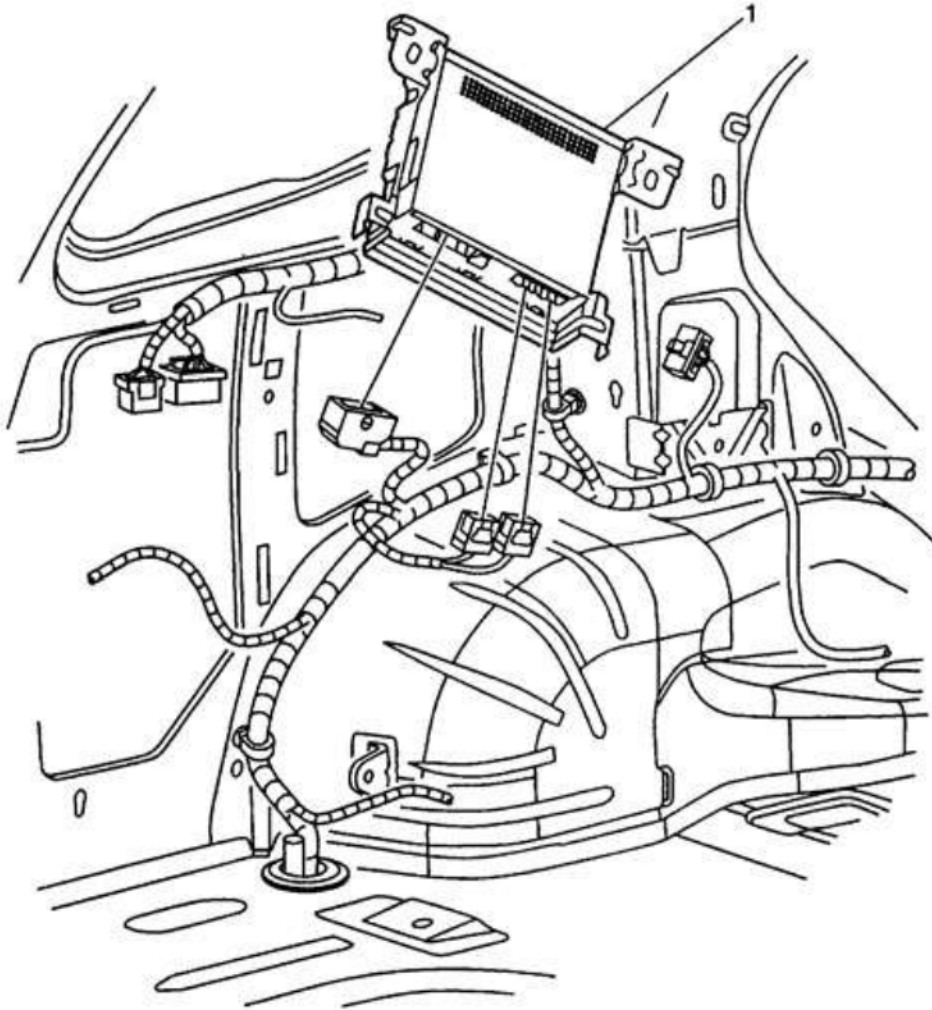
Courtesy of GENERAL MOTORS CORP.



- (1) Door-LR
- (2) Door Latch Assembly-Left Rear
- (3) C701
- (4) Window Motor-LR
- (5) Door Speaker-LR (Midrange)
- (6) C700
- (7) Left Rear Door Module (LRDM)

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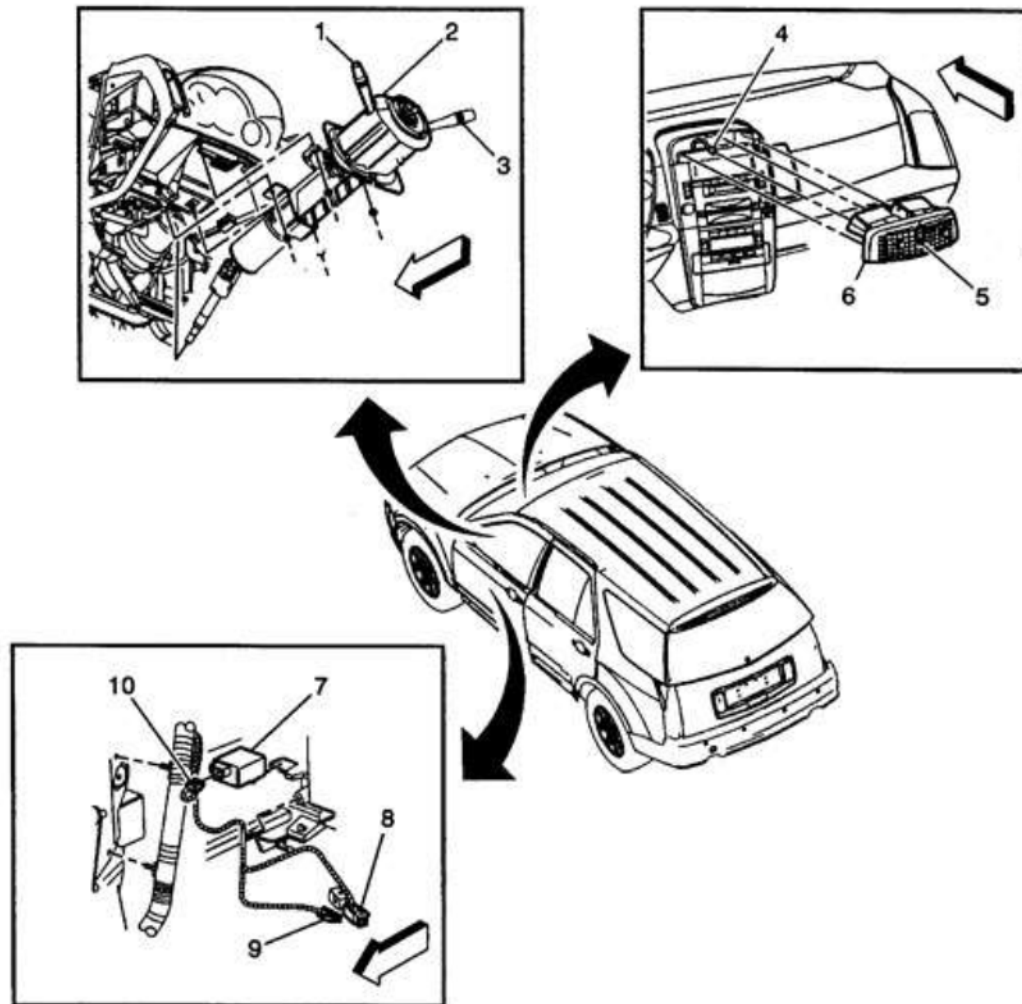
Fig. 22: Left Rear Door
Courtesy of GENERAL MOTORS CORP.



(1) Amplifier (U66)

G00259390

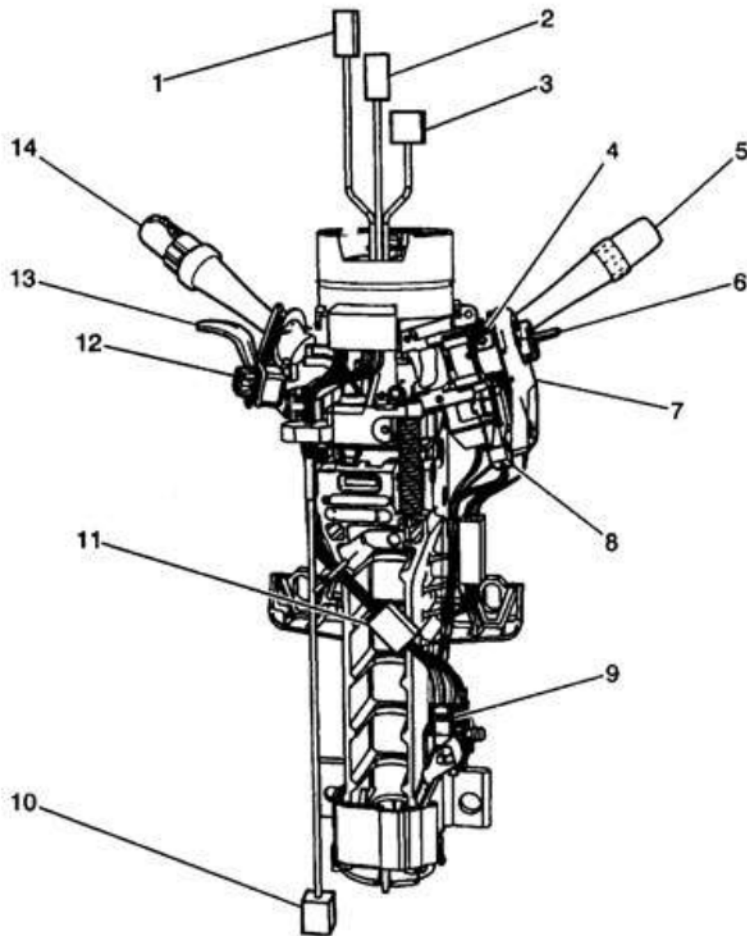
Fig. 23: Left Rear Of Cargo Compartment
Courtesy of GENERAL MOTORS CORP.



- (1) Headlamp and Cruise Control Switch
- (2) Steering Column
- (3) Windshield Wiper/Washer Switch
- (4) Hazard Switch Connector
- (5) Hazard Switch
- (6) I/P Air Deflector - Center
- (7) Turn Signal/Hazard Flasher Module
- (8) Data Link Connector (DLC)
- (9) Park Brake Connector
- (10) Turn Signal/Hazard Flasher Module Connector

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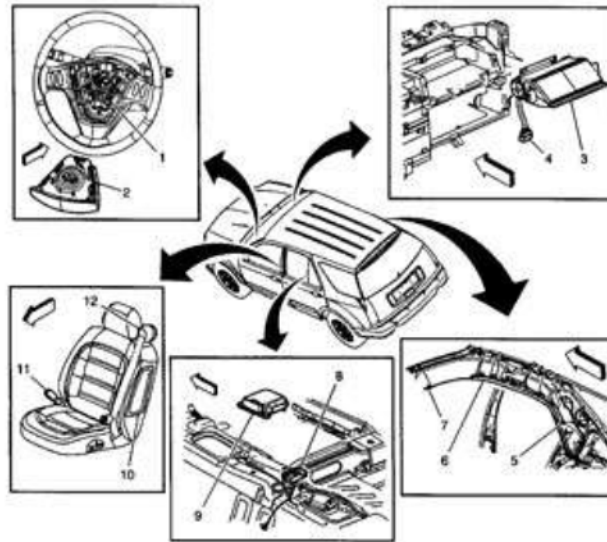
Fig. 24: Dash
 Courtesy of GENERAL MOTORS CORP.



- | | |
|---|---------------------------------------|
| (1) Inflatable Restraint Steering Wheel Module Coil Connector | (10) C203 |
| (2) Inflatable Restraint Steering Wheel Module Coil Connector | (11) Backlight Steering Controls Fuse |
| (3) Steering Wheel Controls Connector | (12) Adjustable Pedal Switch |
| (4) Ignition Lock Cylinder Actuator | (13) Steering Tilt Lever |
| (5) Windshield Wiper Washer Switch | (14) Multifunction Switch |
| (6) Ignition Key Lock Cylinder | |
| (7) Theft Deterrent Module | |
| (8) Ignition Switch Connector | |
| (9) C202 | |

G00259392

Fig. 25: Steering Column Assembly
 Courtesy of GENERAL MOTORS CORP.

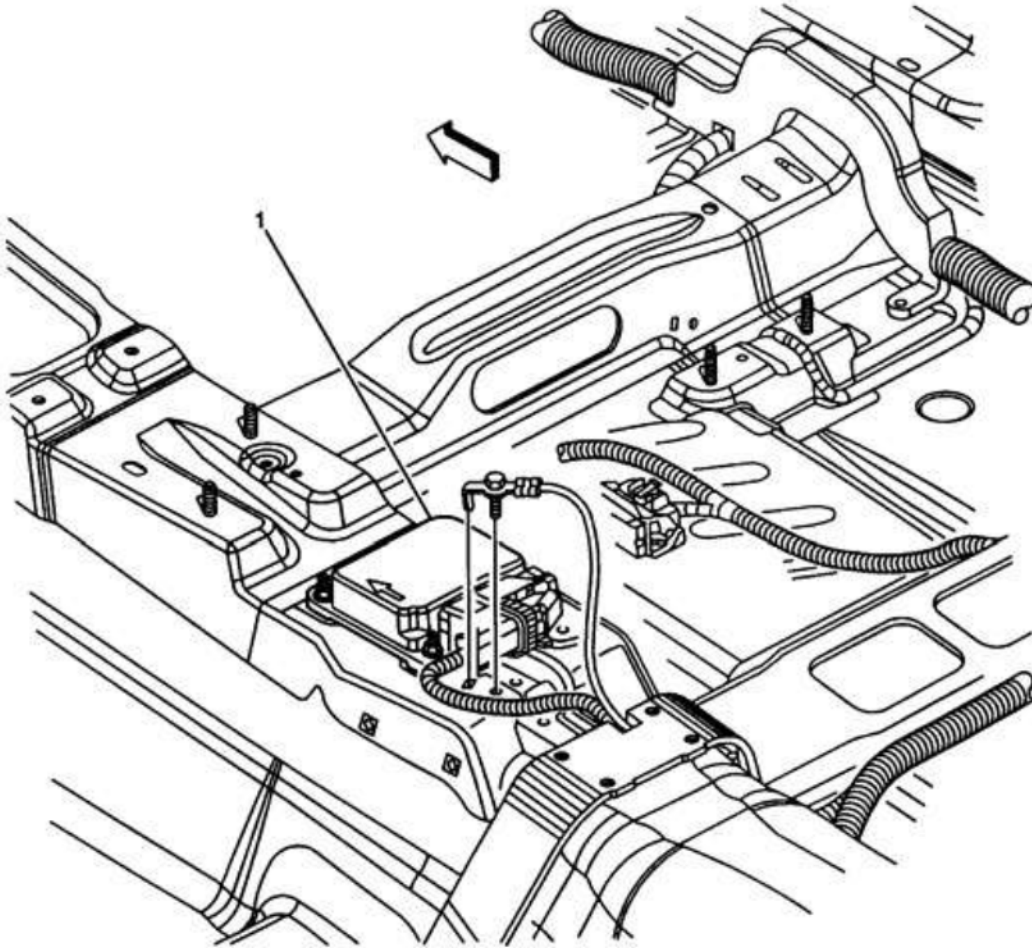


- | | |
|--|--|
| (1) Inflatable Restraint Steering Wheel Module Coil Connectors | (8) Inflatable Restraint Sensing and Diagnostic Module (SDM) Connector |
| (2) Inflatable Restraint Steering Wheel Module | (9) Inflatable Restraint SDM |
| (3) Inflatable Restraint I/P Module | (10) Inflatable Restraint Side Impact Module - Left - Right Similar |
| (4) Inflatable Restraint I/P Module Connector | (11) Seat Belt Pretensioner / Seat Belt Switch - Left |
| (5) Inflatable Restraint Roof Rail Module Connector - Right - Left Similar | (12) Front Seat Belt Retractor - Left - Right Front Similar |
| (6) Inflatable Restraint Roof Rail Module - Right - Left Similar | |
| (7) Inflatable Restraint Roof Rail Module Tether - Right - Left Similar | |

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Fig. 26: SIR Components Location

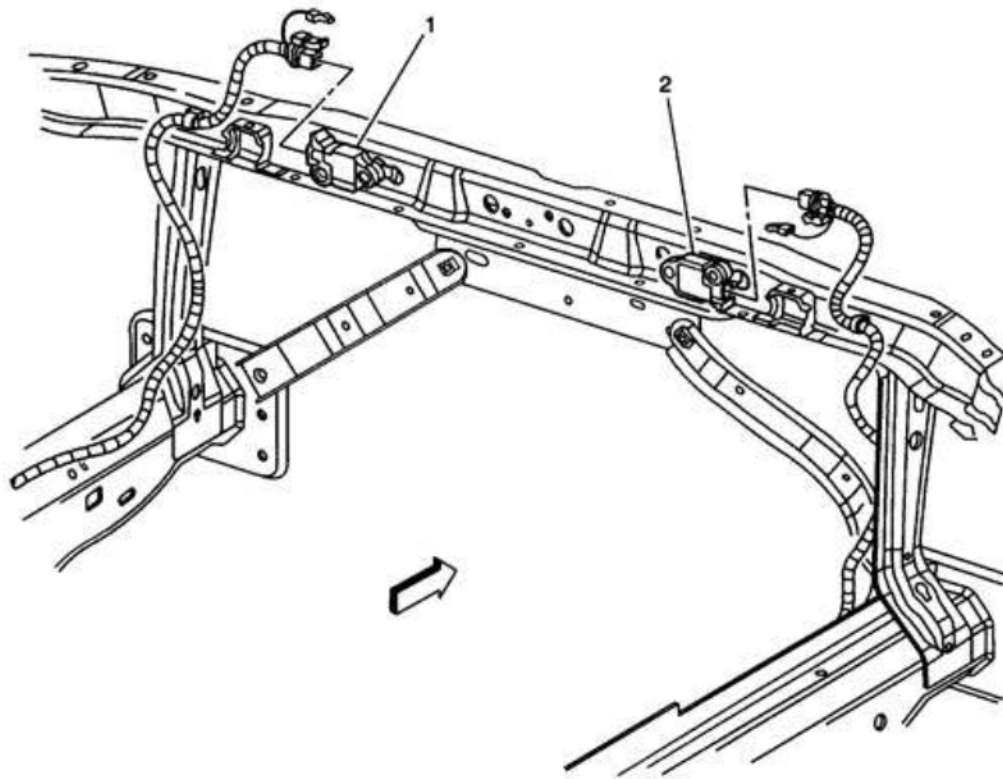
Courtesy of GENERAL MOTORS CORP.



(1) Sensing and Diagnostic Module (SDM)

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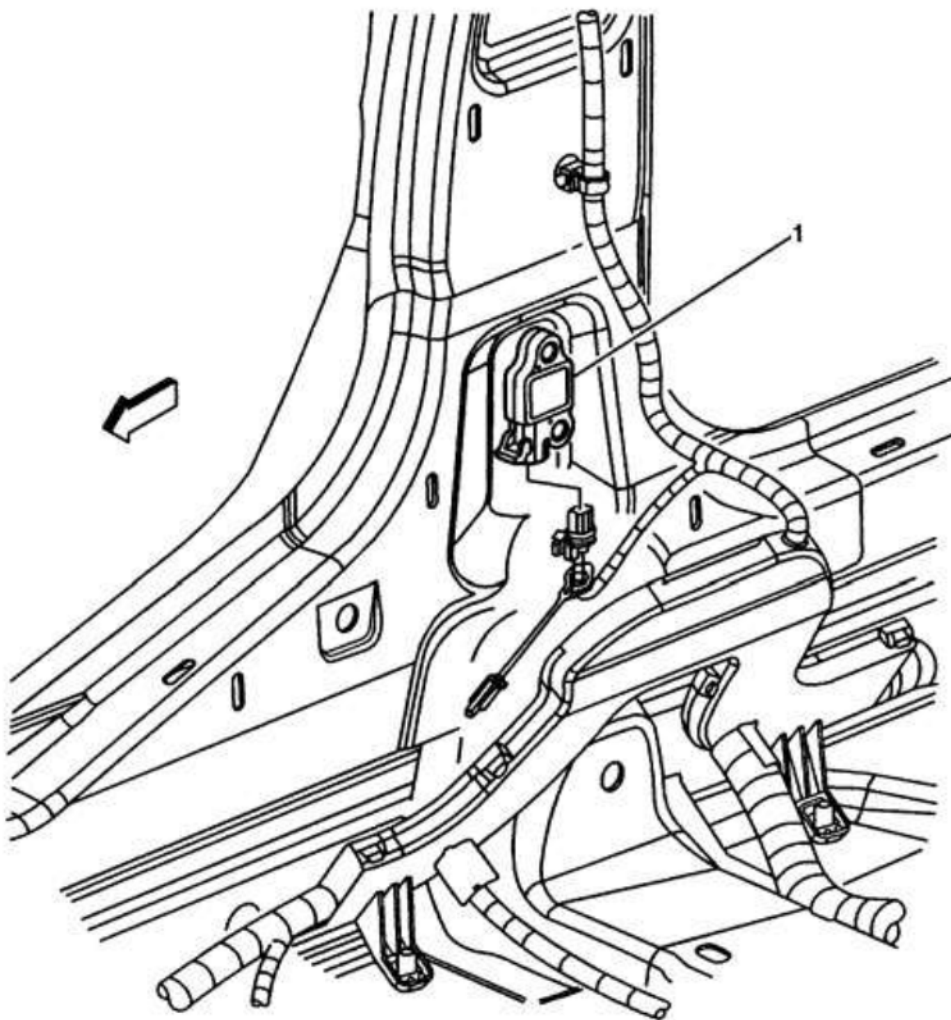
Fig. 27: Under Center Console
Courtesy of GENERAL MOTORS CORP.



- (1) Forward Discriminating Sensor - Left Front
- (2) Forward Discriminating Sensor - Right Front

G00259396

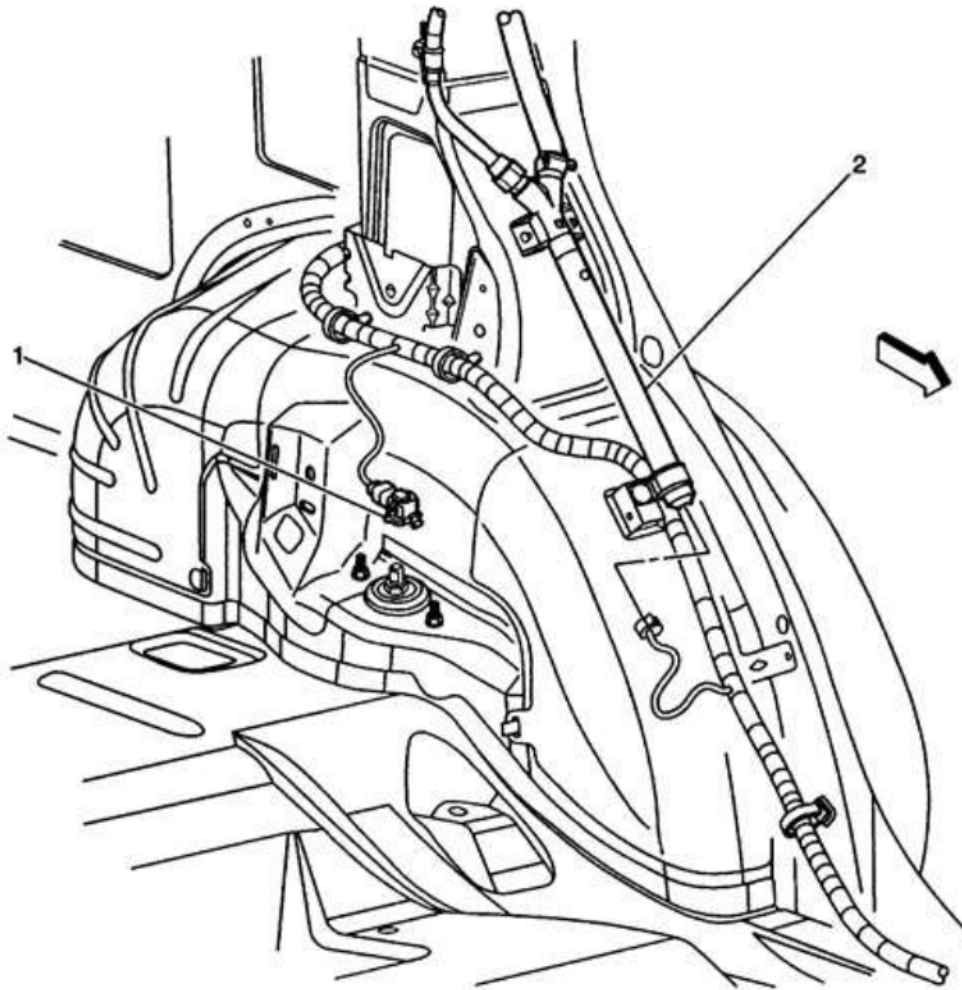
Fig. 28: Front Of Vehicle Frame
Courtesy of GENERAL MOTORS CORP.



(1) Side Impact Sensor - Right - Left Similar

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Fig. 29: Right "B" Pillar
Courtesy of GENERAL MOTORS CORP.



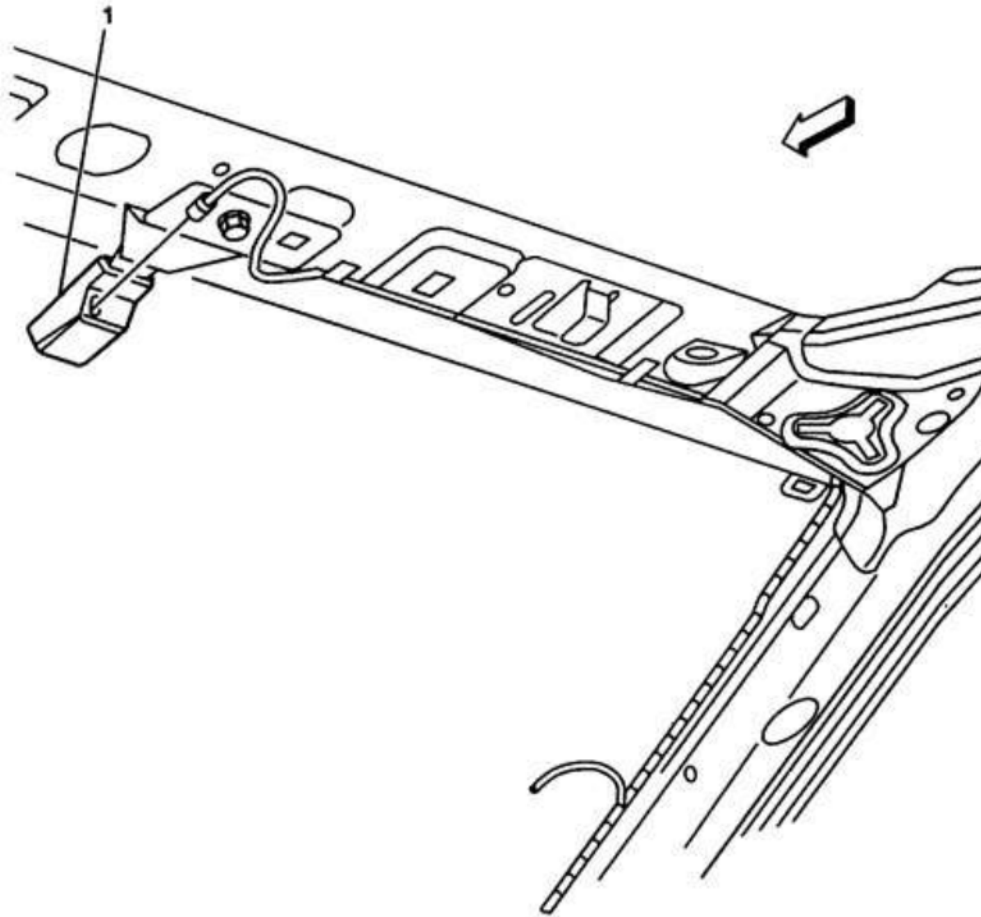
(1) Left Rear Shock Actuator - Right Similar

(2) Inflatable Restraint Roof Rail Module - Left (Right side similar)

G00259399

Fig. 30: Left Rear Wheelwell

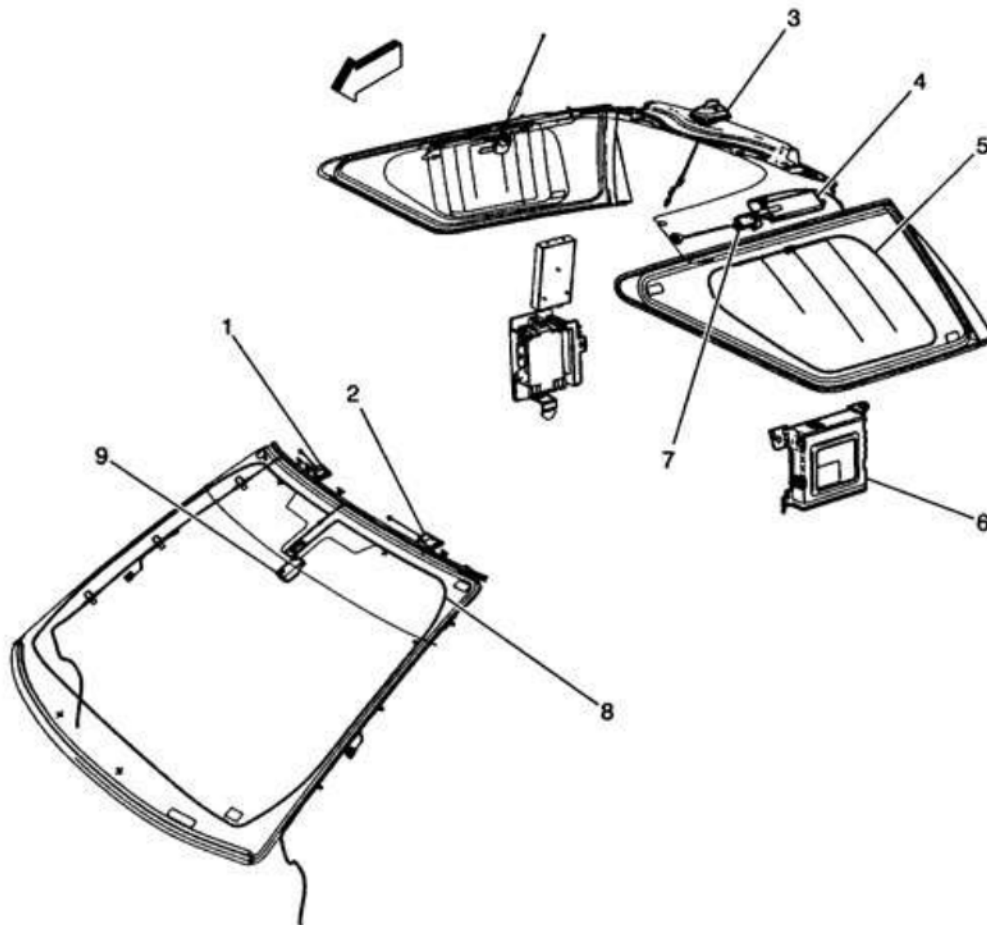
Courtesy of GENERAL MOTORS CORP.



(1) GPS Antenna

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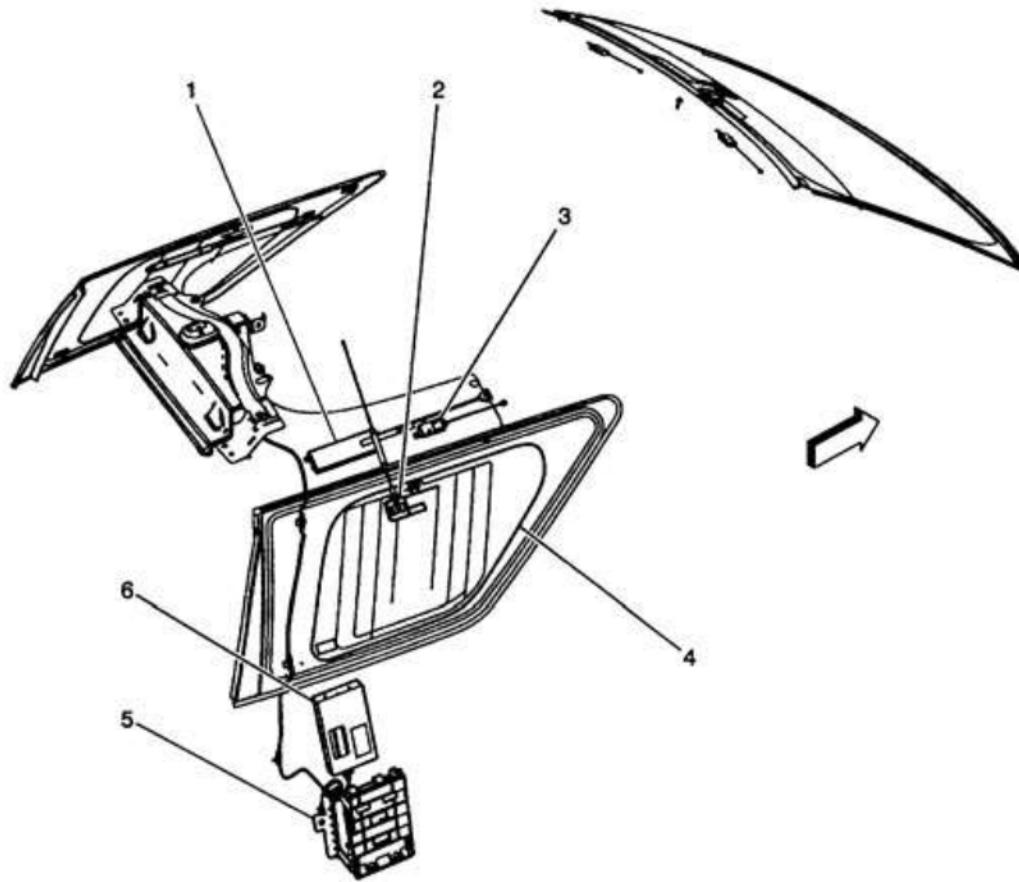
Fig. 31: Upper Center Of Windshield
Courtesy of GENERAL MOTORS CORP.



- (1) RF Antenna Amplifier
- (2) LF Antenna Amplifier
- (3) Digital Radio Antenna-Satellite/Terrestrial
- (4) Radio Antenna Module-Driver
- (5) Antenna Radio Rear Window-RFA/FM2
- (6) TV Tuner
- (7) LR Antenna Amplifier
- (8) Front Glass TV Antenna
- (9) Navigational Antenna

G00260160

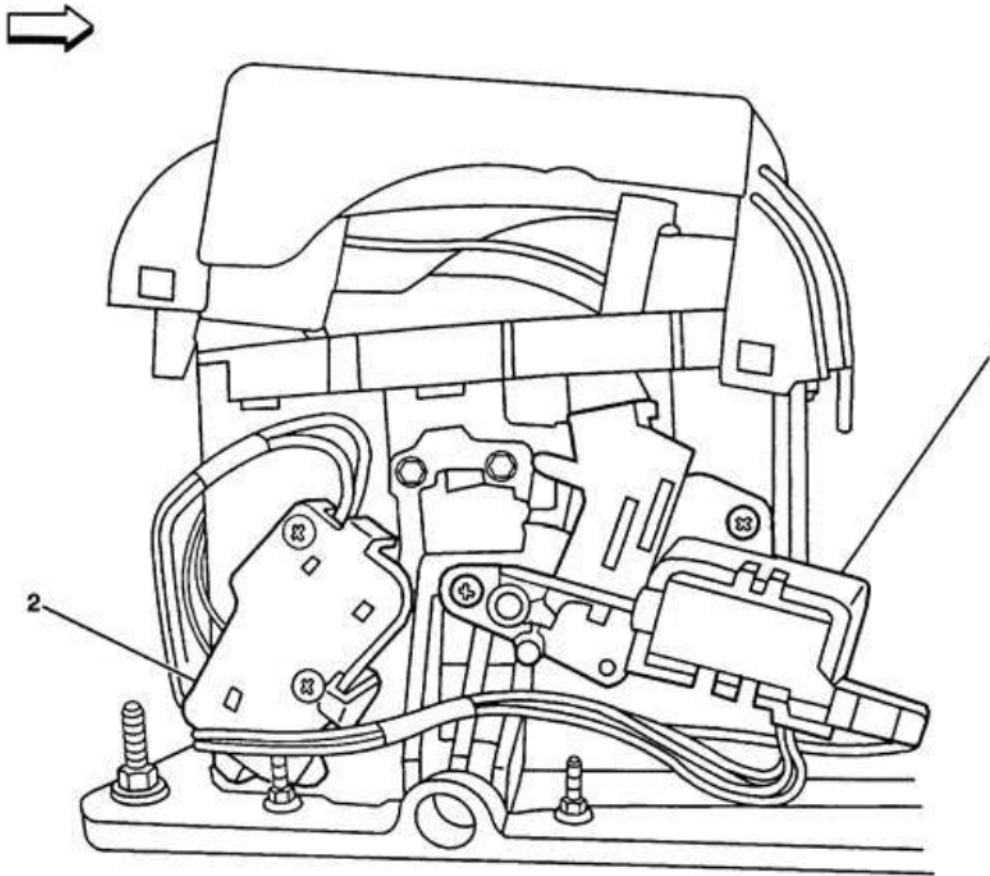
Fig. 32: Antenna Components
 Courtesy of GENERAL MOTORS CORP.



- (1) Radio Antenna Module-Passenger
- (2) Mobile Antenna
- (3) RR Antenna Amplifier
- (4) Antenna Radio Rear Window-AM/FM1
- (5) Vehicle Communication Interface Module (VCIM)
- (6) Digital Radio Receiver

G00260161

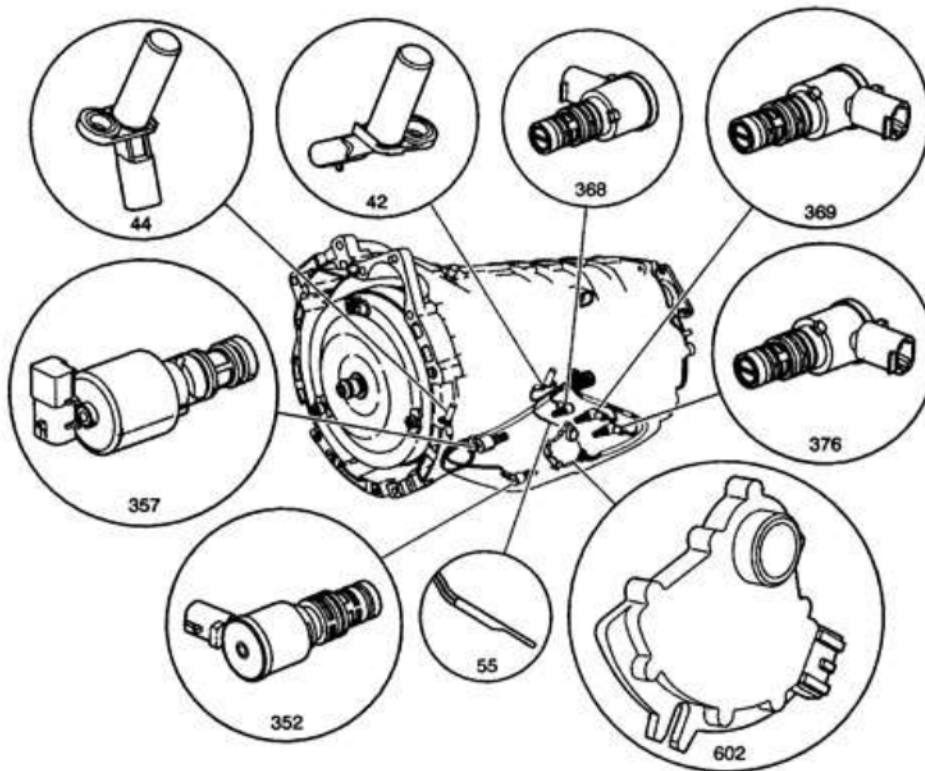
Fig. 33: Right Rear Quarter Window
Courtesy of GENERAL MOTORS CORP.



- (1) Shift Lock Actuator
- (2) PRNDL Switch

G00260162

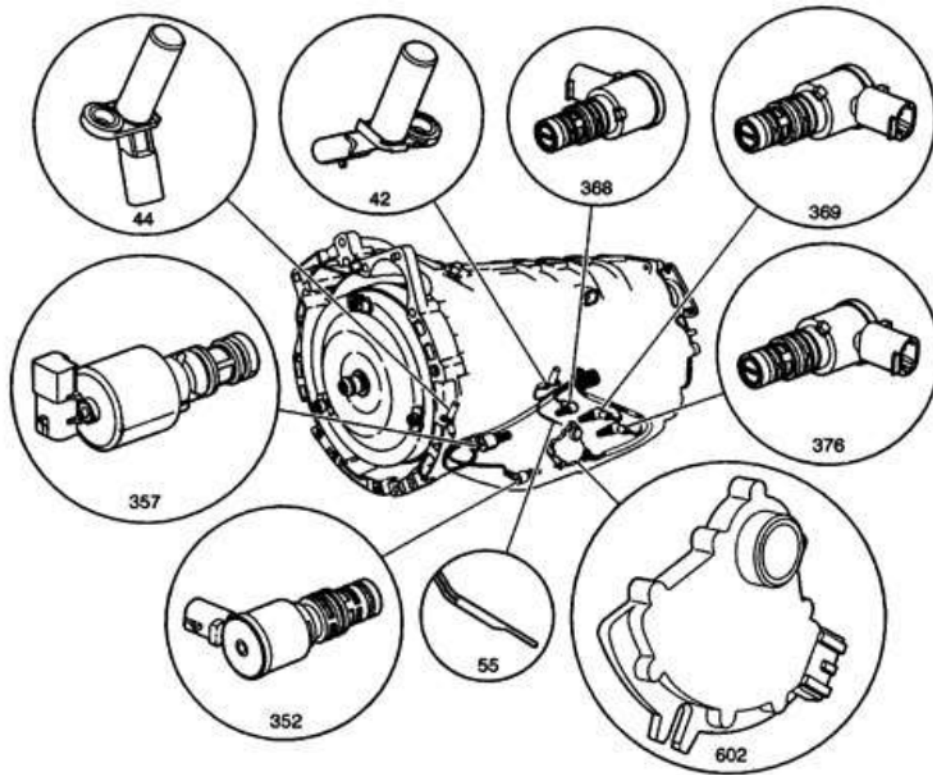
Fig. 34: Under Center Console
Courtesy of GENERAL MOTORS CORP.



- (42) Output Speed Sensor (OSS)
- (44) Input Speed Sensor (ISS)
- (55) Transmission Fluid Temperature (TFT) Sensor - Part of Automatic Transmission Wiring Harness
- (352) TCC PWM Solenoid Valve
- (357) Pressure Control Solenoid (PCS) Assembly
- (368) 1-2 Shift Solenoid (SS) Valve Assembly
- (369) 2-3 Shift Solenoid (SS) Valve Assembly
- (376) 4-5 Shift Solenoid (SS) Valve Assembly
- (602) Transmission Manual Shift Shaft Switch Assembly

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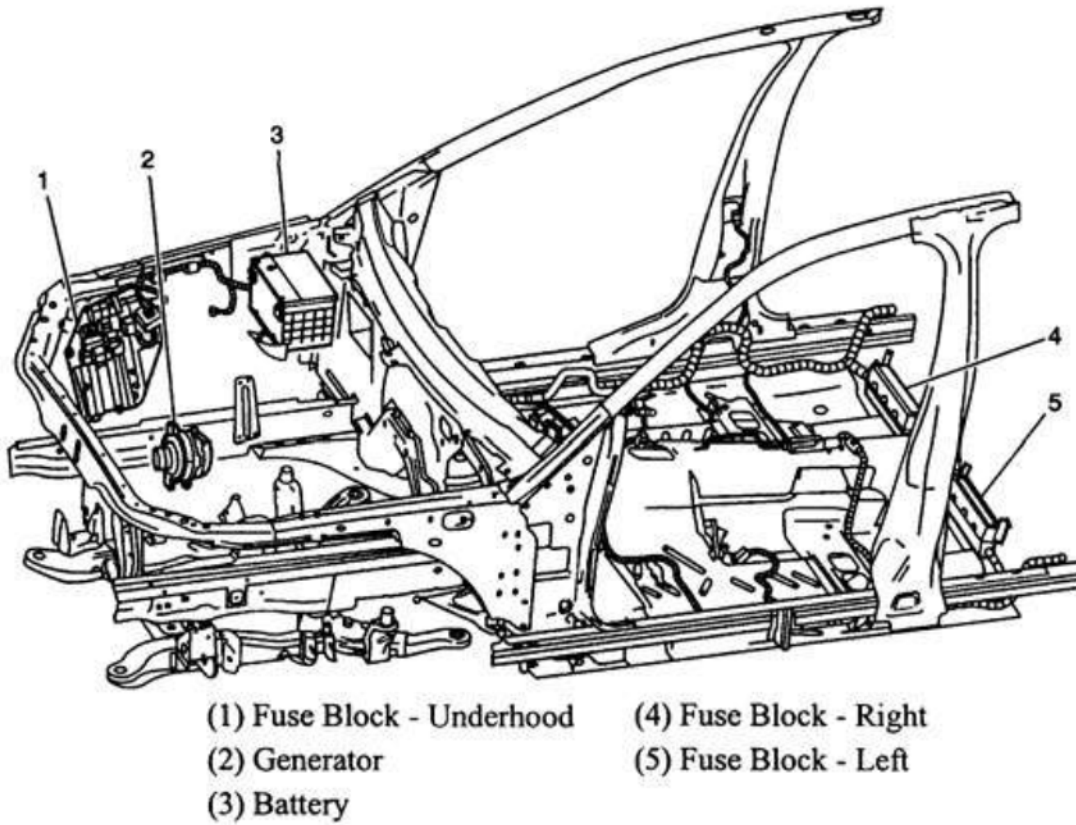
Fig. 35: Automatic Transmission (5L40-E)
Courtesy of GENERAL MOTORS CORP.



- (42) Output Speed Sensor (OSS)
- (44) Input Speed Sensor (ISS)
- (55) Transmission Fluid Temperature (TFT) Sensor - Part of Automatic Transmission Wiring Harness
- (352) TCC PWM Solenoid Valve
- (357) Pressure Control Solenoid (PCS) Assembly
- (368) 1-2 Shift Solenoid (SS) Valve Assembly
- (369) 2-3 Shift Solenoid (SS) Valve Assembly
- (376) 4-5 Shift Solenoid (SS) Valve Assembly
- (602) Transmission Manual Shift Shaft Switch Assembly

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Fig. 36: Automatic Transmission (5L50-E)
Courtesy of GENERAL MOTORS CORP.

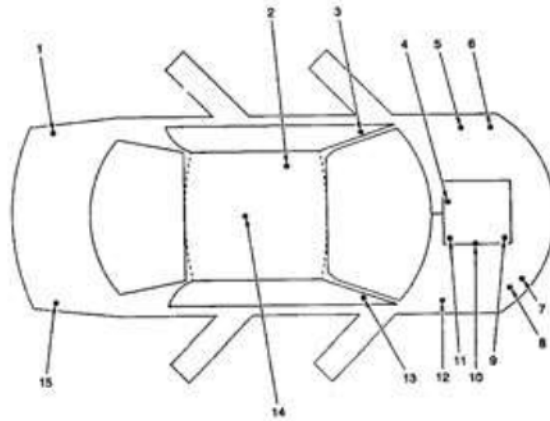


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Fig. 37: Front Of Engine & Passenger Compartments
Courtesy of GENERAL MOTORS CORP.

2004 Cadillac SRX

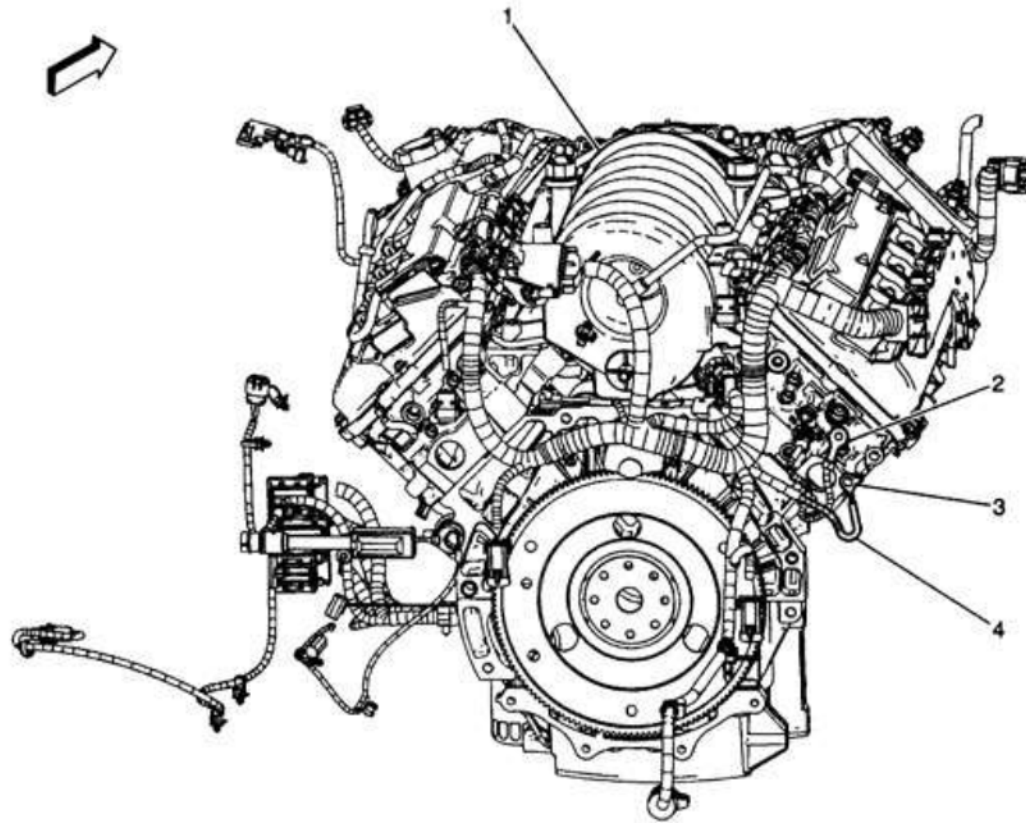
2004 GENERAL MOTORS SRX



- | | |
|---|---|
| (1) G402 (Left Rear Body Ground) | (10) G102 (Engine Block Ground) |
| (2) G307 (Left 2 Bar Ground) | (11) G100 (LH2 Engine Ground) G108/G109 (LY7 Odd Coil Ground) |
| (3) G200 (Left Kickpad Ground) | (12) G105 (Battery Ground) |
| (4) G107 (LH2 Ignition Module Ground) G111/G112 (LY7 Even Ignition Coil Ground) | (13) G201 (Right Kickpad Ground) |
| (5) G101 (Left Body Rail) | (14) G306 (SDM Bracket Ground) |
| (6) G105 (Left Body Rail Ground RHD) | (15) G401 (Right Rear Body Ground) |
| (7) G104 (Right Body Rail Ground) | |
| (8) G110 (ABS Ground) | |
| (9) G113/G114 (LY7 Engine Ground) | |

G20259362

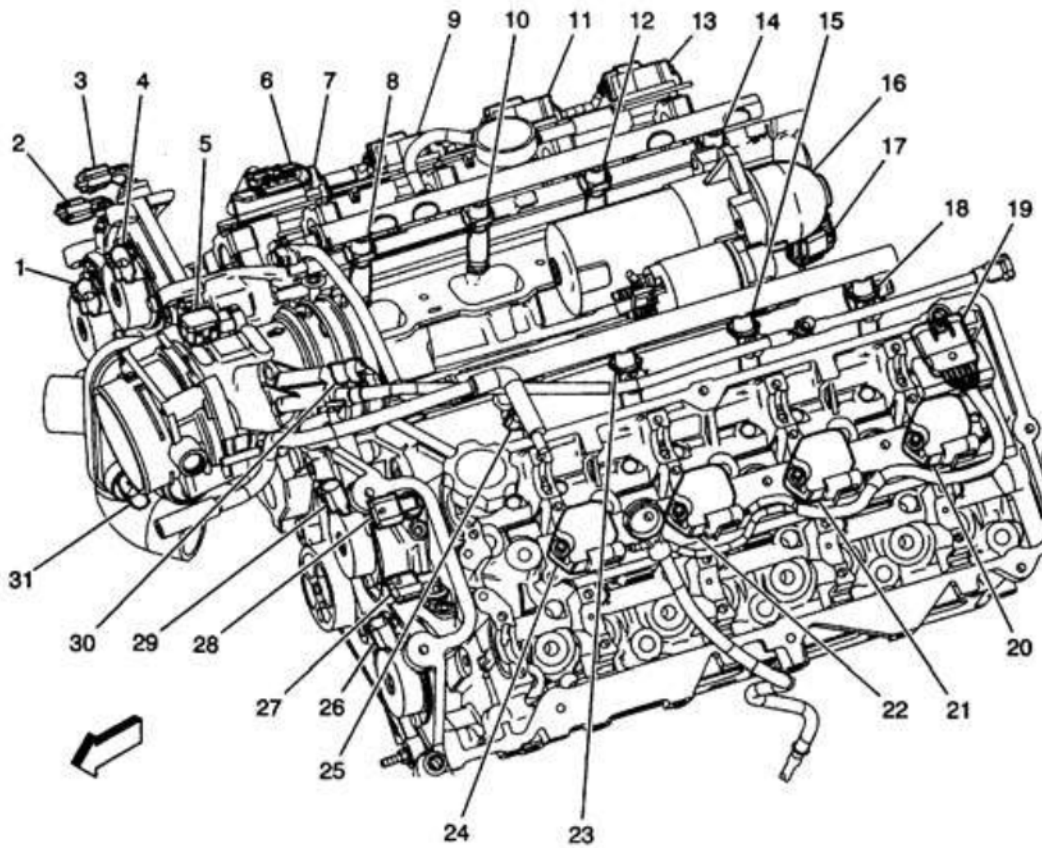
Fig. 38: Overview Of Vehicle Grounds
Courtesy of GENERAL MOTORS CORP.



- (1) Engine (LH2)
- (2) G100
- (3) G107
- (4) Engine Harness

G00259363

Fig. 39: Rear Of Engine (4.6L)
Courtesy of GENERAL MOTORS CORP.



- (1) Camshaft Position (CMP) Actuator Solenoid Exhaust - Bank 1
- (2) CMP Sensor Exhaust - Bank 1
- (3) CMP Sensor Intake - Bank 1
- (4) CMP Actuator Solenoid Intake - Bank 1
- (5) Manifold Absolute Pressure (MAP) Sensor
- (6) C140
- (7) Ignition Coil - Module 1
- (8) Fuel Injector 1
- (9) Ignition Coil - Module 3

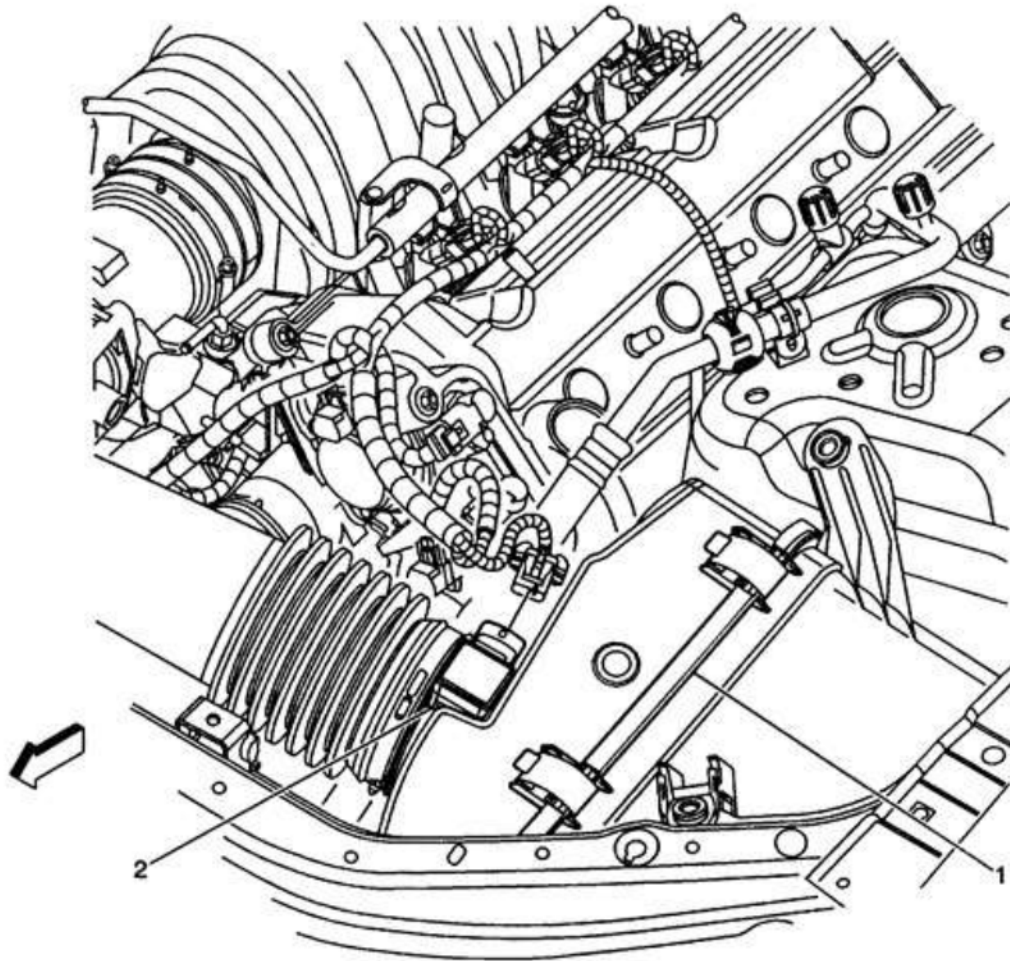
G00260165

Fig. 40: Top Of Engine (4.6L) (1 Of 2)
Courtesy of GENERAL MOTORS CORP.

- (10) Fuel Injector 3
- (11) Ignition Coil - Module 5
- (12) Fuel Injector 5
- (13) Ignition Coil - Module 7
- (14) Fuel Injector 7
- (15) Fuel Injector 6
- (16) Starter
- (17) C102
- (18) Fuel Injector 8
- (19) C139
- (20) Ignition Coil - Module 8
- (21) Ignition Coil - Module 6
- (22) Ignition Coil - Module 4
- (23) Fuel Injector 4
- (24) Ignition Coil - Module 2
- (25) Fuel Injector 2
- (26) CMP Actuator Solenoid Exhaust - Bank 2
- (27) CMP Sensor Exhaust - Bank 2
- (28) CMP Sensor Intake - Bank 2
- (29) CMP Actuator Solenoid Intake - Bank 2
- (30) Evaporative Emission (EVAP) Canister Purge Valve
- (31) Throttle Actuator Control (TAC) Module

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Fig. 41: Top Of Engine (4.6L) (2 Of 2)
Courtesy of GENERAL MOTORS CORP.

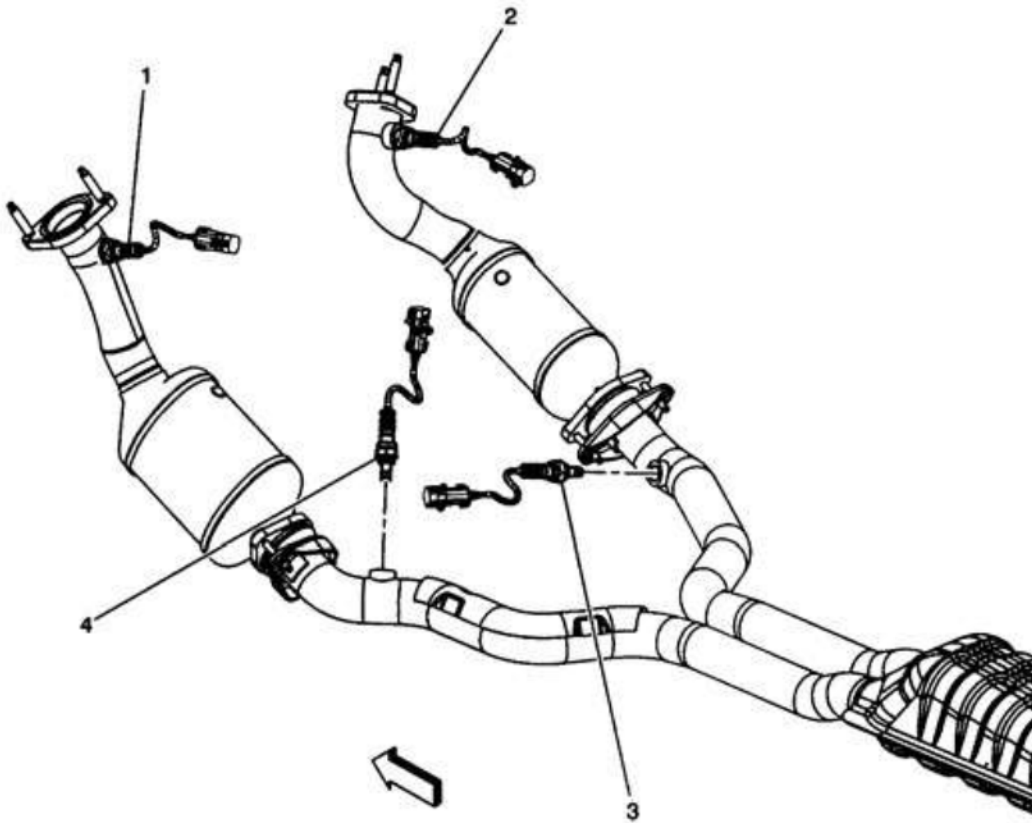


(1) Air Cleaner

(2) Mass Air Flow (MAF) Sensor

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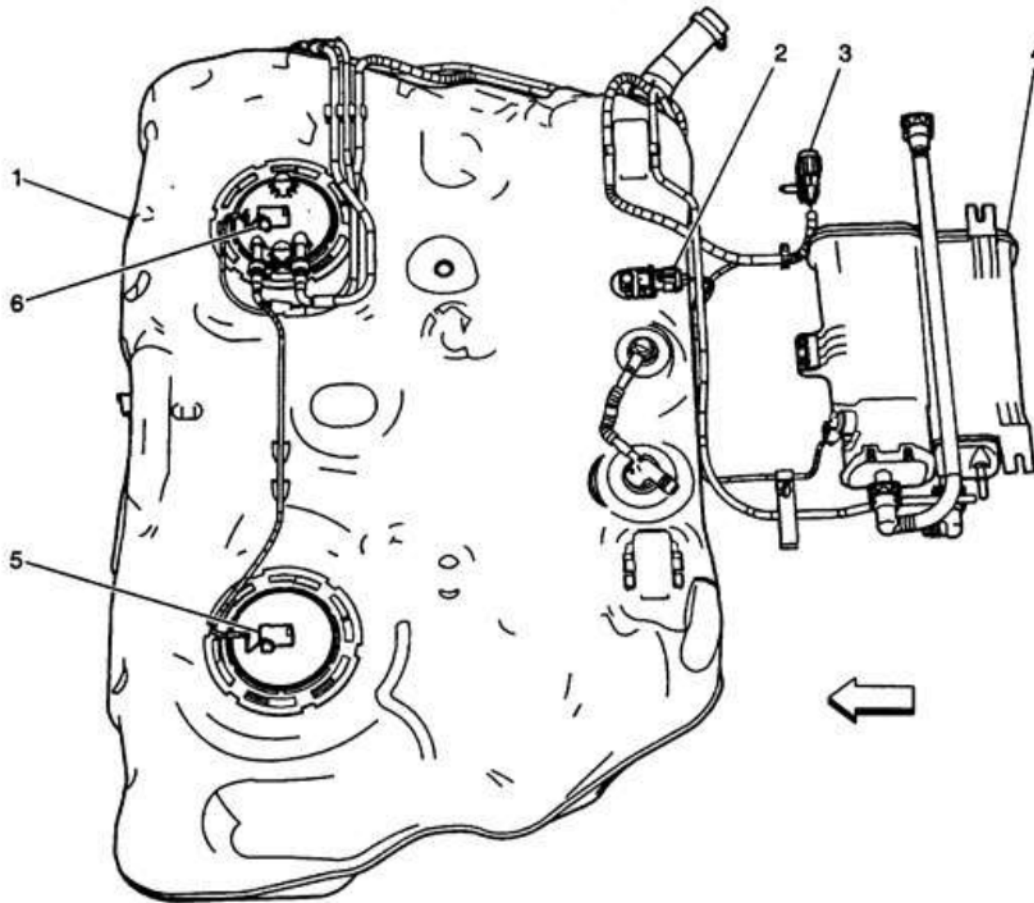
Fig. 42: Top Right Of Engine (4.6L)
Courtesy of GENERAL MOTORS CORP.



- (1) Heated Oxygen Sensor (HO2S) - Bank 2 Sensor 1
- (2) HO2S - Bank 1 Sensor 1
- (3) HO2S - Bank 1 Sensor 2
- (4) HO2S - Bank 2 Sensor 2

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Fig. 43: Front Exhaust Pipes
Courtesy of GENERAL MOTORS CORP.

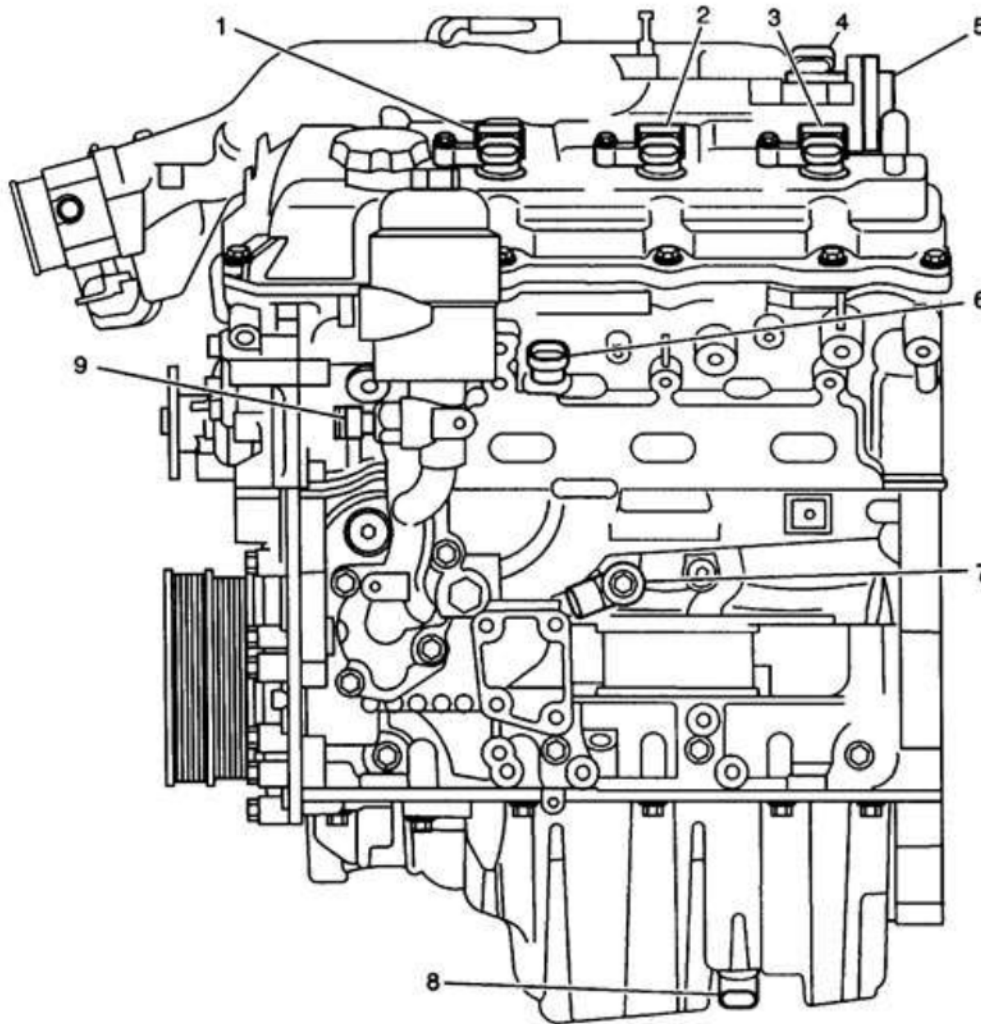


- (1) Fuel Tank
- (2) Fuel Tank Pressure (FTP) Sensor
- (3) C420
- (4) Evaporative Emission (EVAP) Canister Vent Solenoid
- (5) Fuel Tank Module-Secondary
- (6) Fuel Pump and Sender Assembly-Primary

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Fig. 44: Fuel Tank (4.6L)

Courtesy of GENERAL MOTORS CORP.

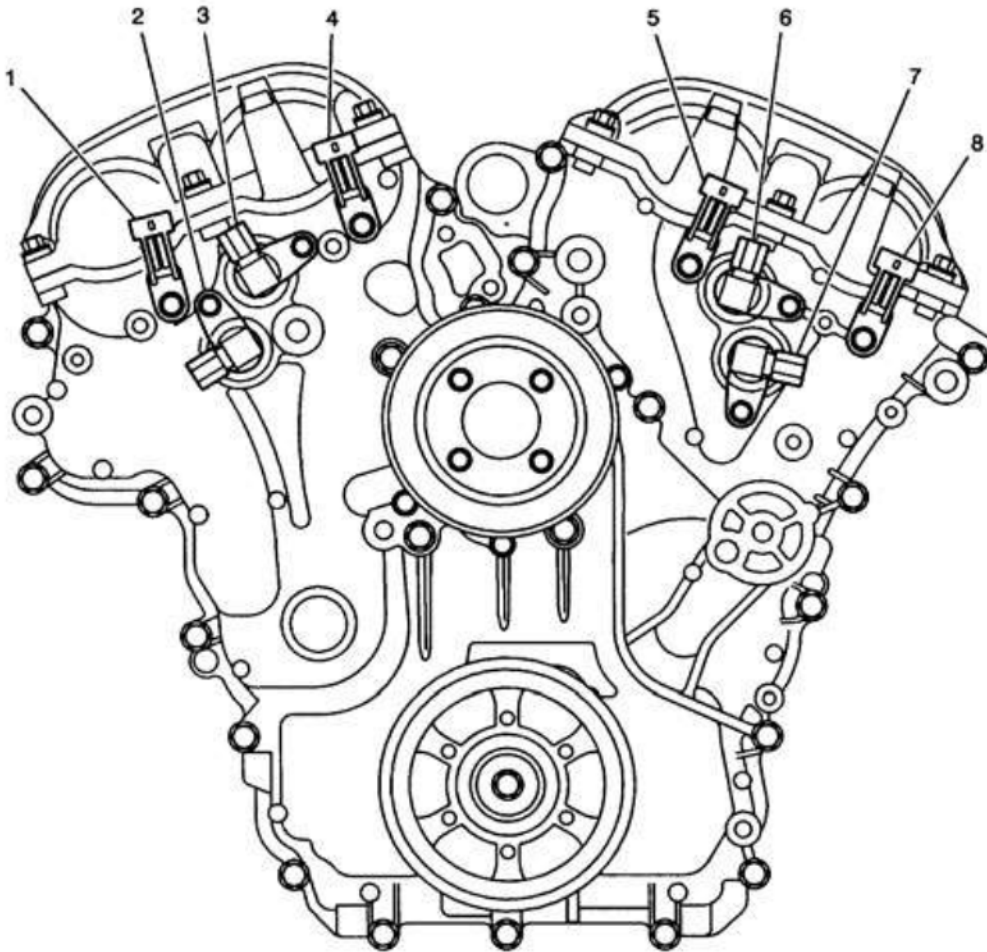


- (1) Ignition Coil 2
- (2) Ignition Coil 4
- (3) Ignition Coil 6
- (4) Barometric Pressure (BARO) Sensor
- (5) Intake Manifold Runner Control (IMRC) Solenoid
- (6) Engine Coolant Temperature (ECT) Sensor
- (7) Knock Sensor (KS) - Bank 2
- (8) Engine Oil Level/Temperature Sensor
- (9) Engine Oil Pressure (EOP) Sensor

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Fig. 45: Left Side Of Engine (3.6L)

Courtesy of GENERAL MOTORS CORP.



- (1) Camshaft Position (CMP) Sensor - Exhaust Bank 1
- (2) Camshaft Position (CMP) Actuator Solenoid - Exhaust Bank 1
- (3) Camshaft Position (CMP) Actuator Solenoid - Intake Bank 1
- (4) Camshaft Position (CMP) Sensor - Intake Bank 1
- (5) Camshaft Position (CMP) Sensor - Intake Bank 2
- (6) Camshaft Position (CMP) Actuator Solenoid - Intake Bank 2
- (7) Camshaft Position (CMP) Actuator Solenoid - Exhaust Bank 2
- (8) Camshaft Position (CMP) Sensor - Exhaust Bank 2

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Fig. 46: Front Of Engine (3.6L)

Courtesy of GENERAL MOTORS CORP.

2004 Cadillac SRX

2004 GENERAL MOTORS SRX

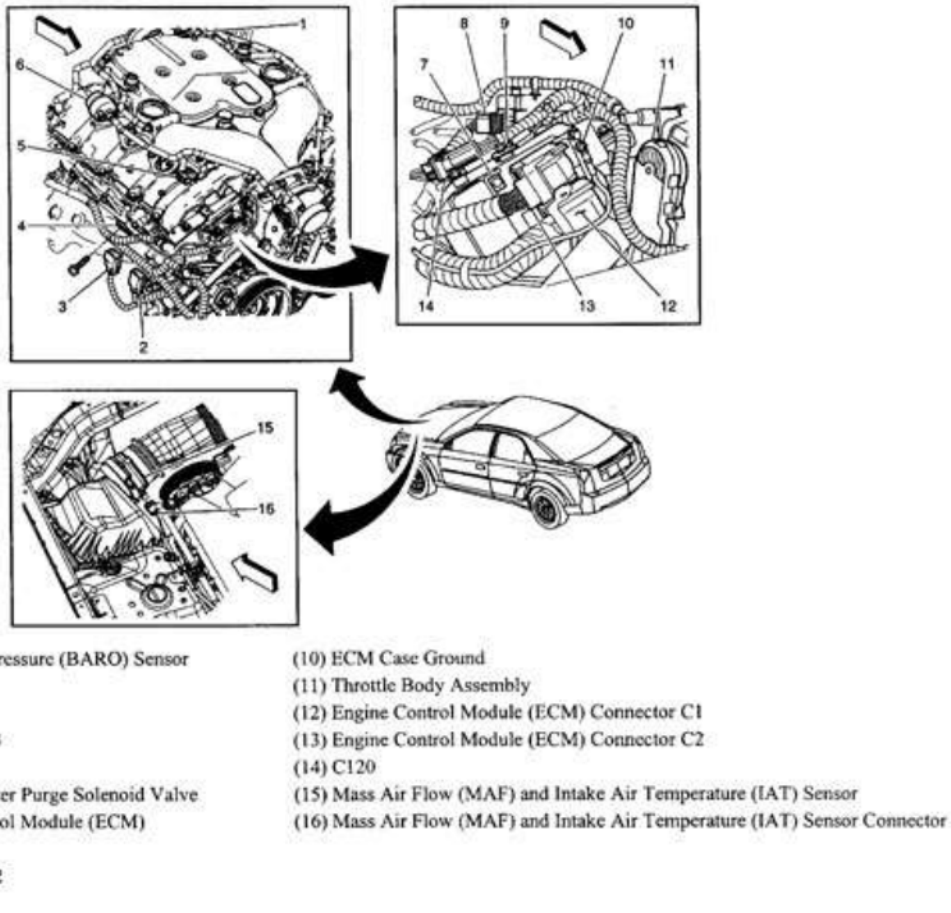
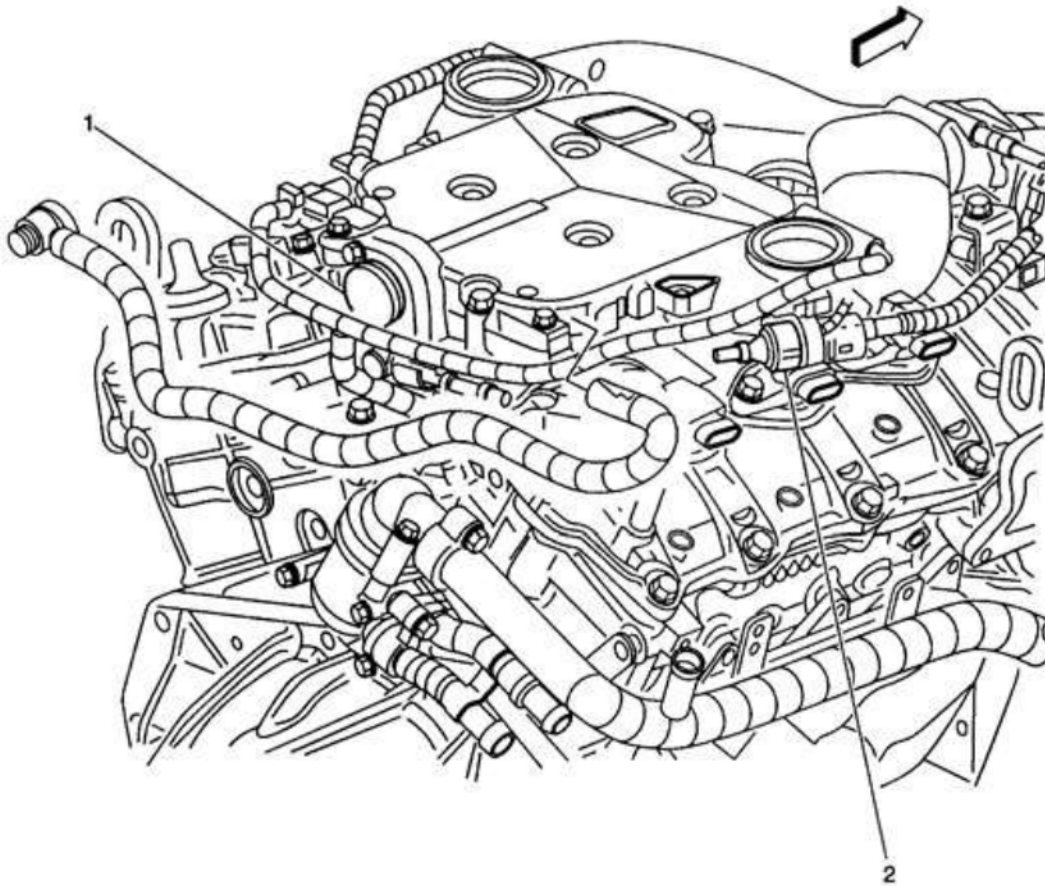


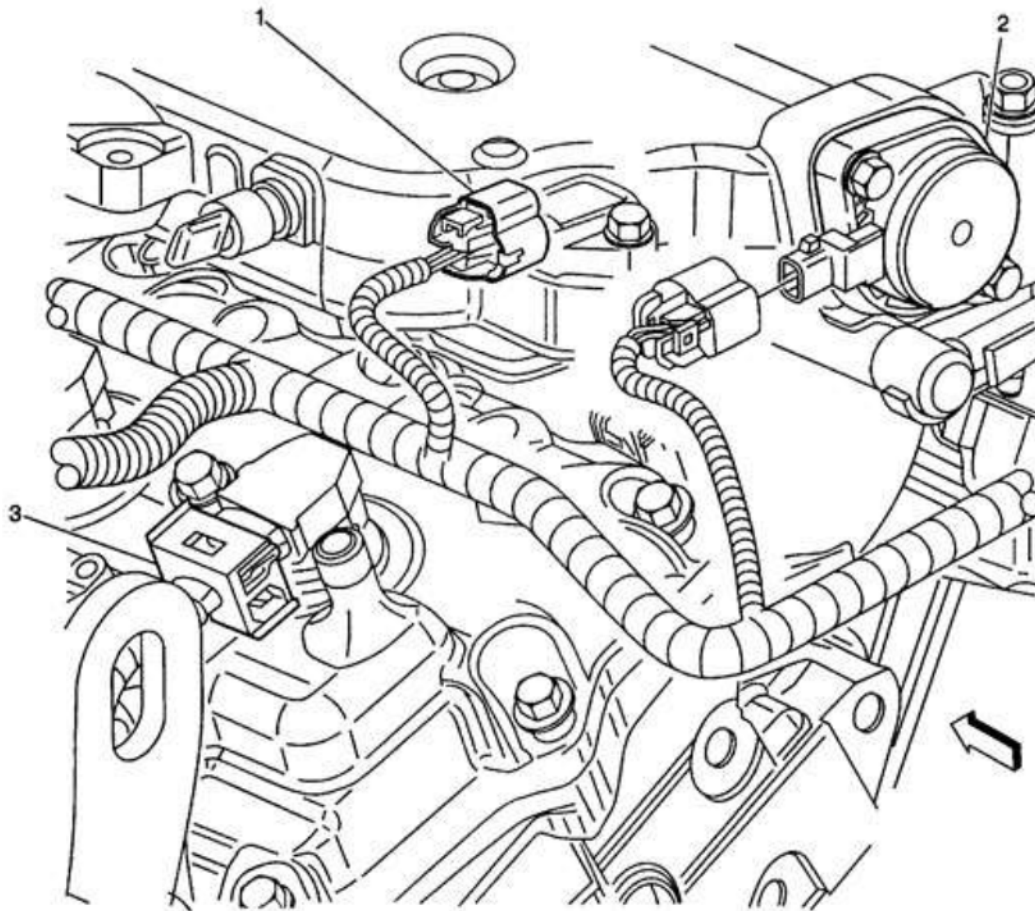
Fig. 47: Engine Compartment & Engine (3.6L)
Courtesy of GENERAL MOTORS CORP.



- (1) Intake Manifold Runner Control (IMRC) Solenoid
- (2) EVAP Canister Purge Solenoid Valve

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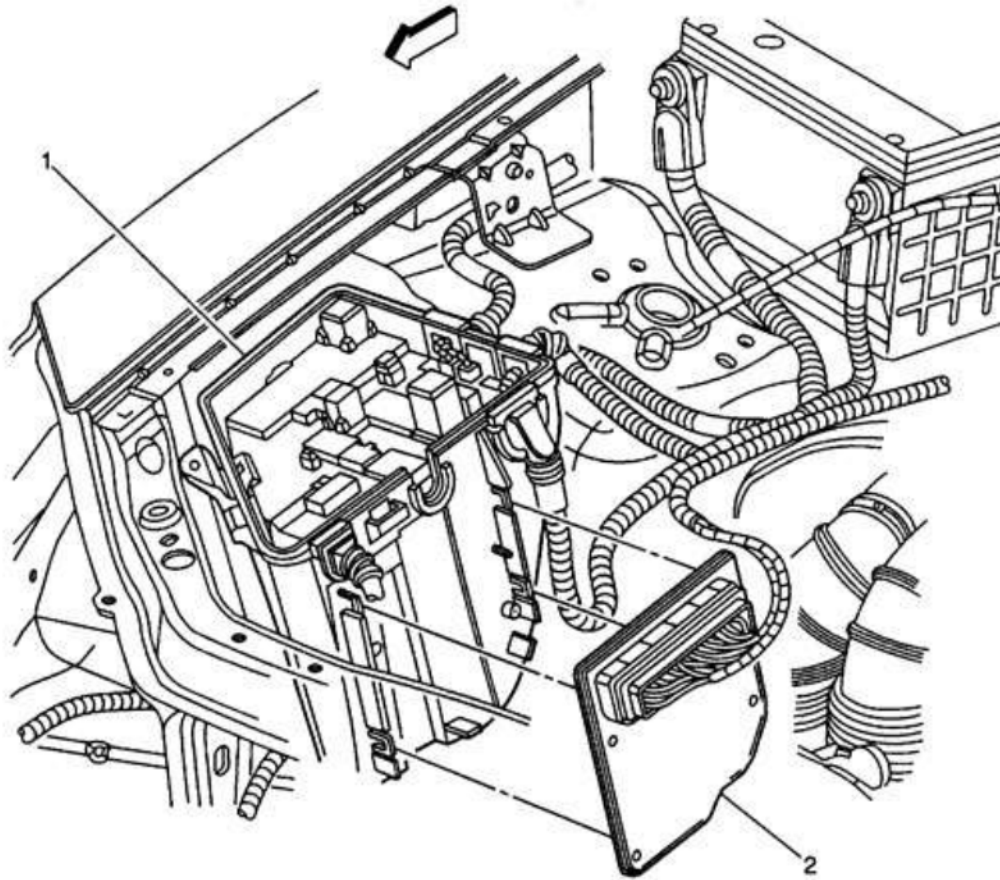
Fig. 48: Right Rear Of Engine (3.6L)
Courtesy of GENERAL MOTORS CORP.



- (1) Barometric Pressure (BARO) Sensor
- (2) Intake Manifold Runner Control (IMRC) Solenoid
- (3) Ignition Coil 6

G00260174

Fig. 49: Left Rear Of Engine (3.6L)
Courtesy of GENERAL MOTORS CORP.

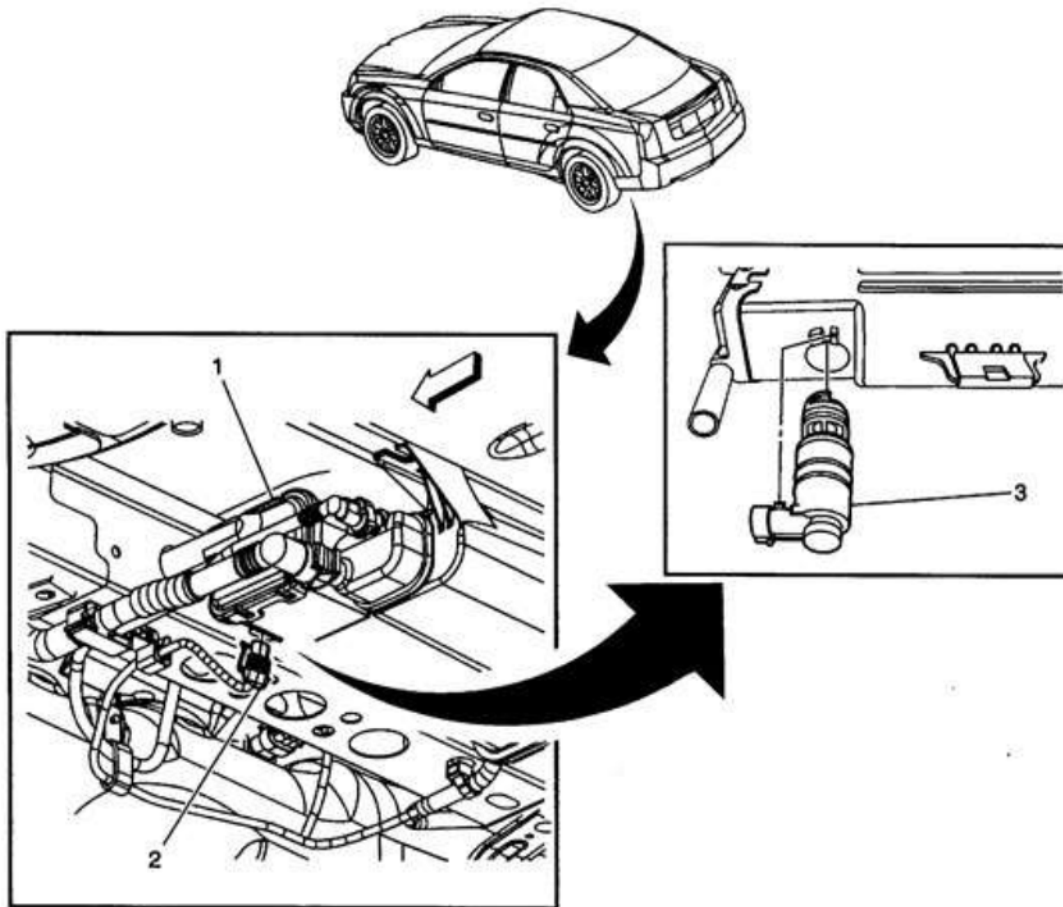


(1) Fuse Block - Underhood

(2) Transmission Control Module (TCM)

G00260177

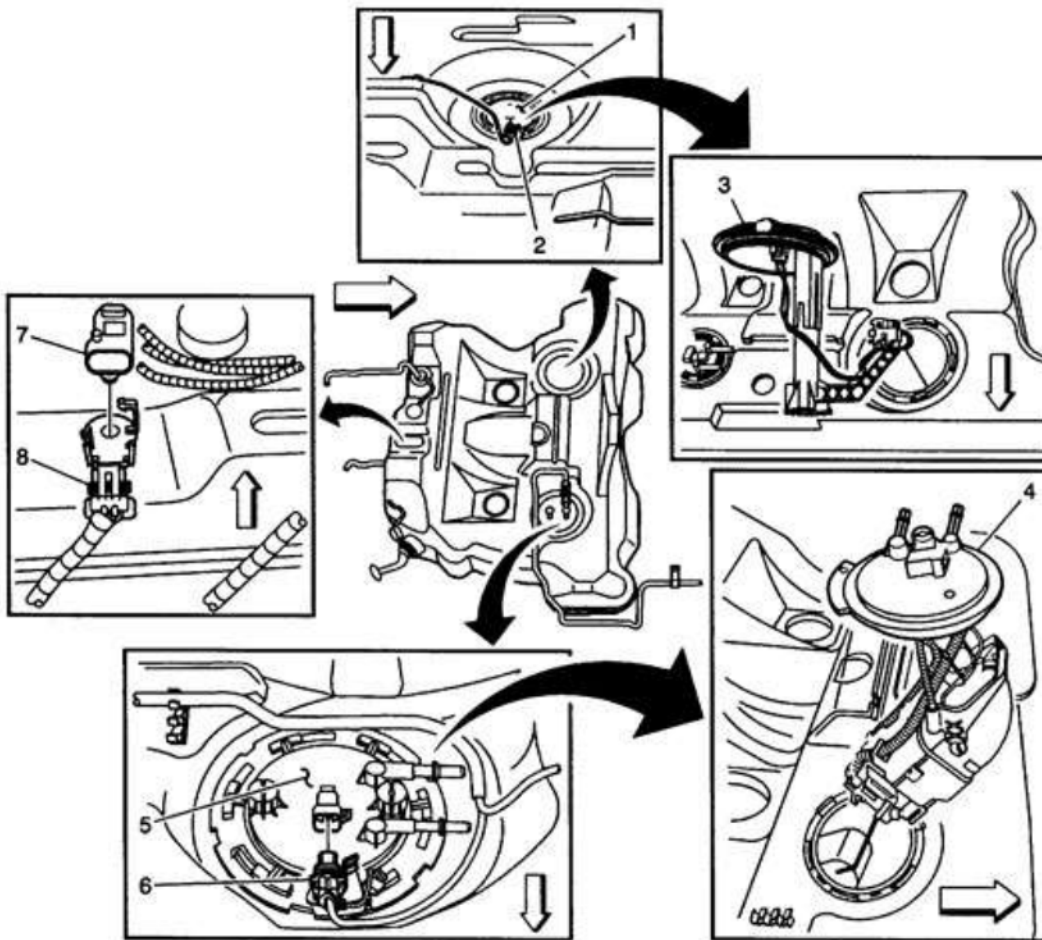
Fig. 50: Right Side Of Engine Compartment (3.6L)
Courtesy of GENERAL MOTORS CORP.



- (1) EVAP Canister
- (2) EVAP Canister Vent Solenoid Valve Connector
- (3) EVAP Canister Vent Solenoid Valve

G00260178

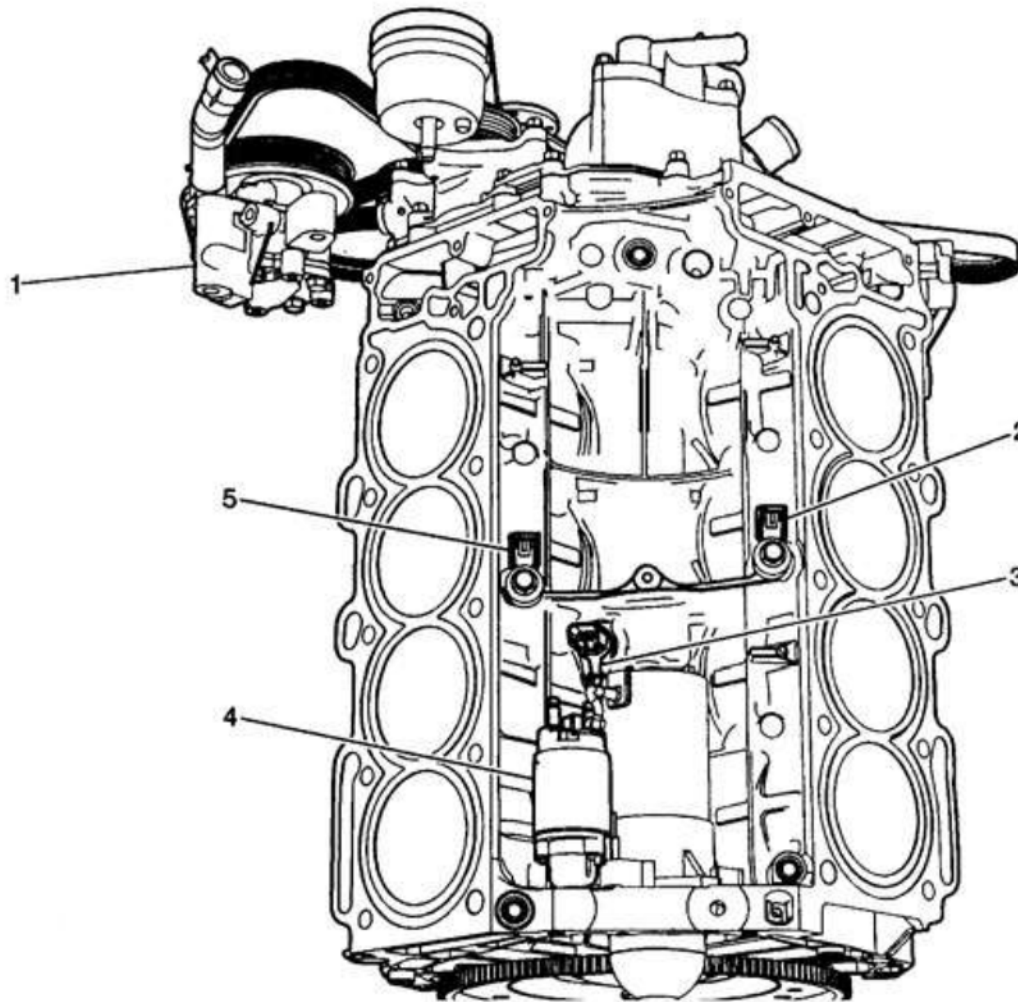
Fig. 51: Rear Underside Of Vehicle
Courtesy of GENERAL MOTORS CORP.



- (1) Secondary Fuel Sender Assembly
- (2) Secondary Fuel Sender Assembly Connector
- (3) Secondary Fuel Sender Assembly (Removed from Fuel Tank)
- (4) Fuel Pump and Sender Assembly (Removed from Fuel Tank)
- (5) Fuel Pump and Sender Assembly
- (6) Fuel Pump and Sender Assembly Connector
- (7) Fuel Tank Pressure Sensor
- (8) Fuel Tank Pressure Sensor Connector

G00260179

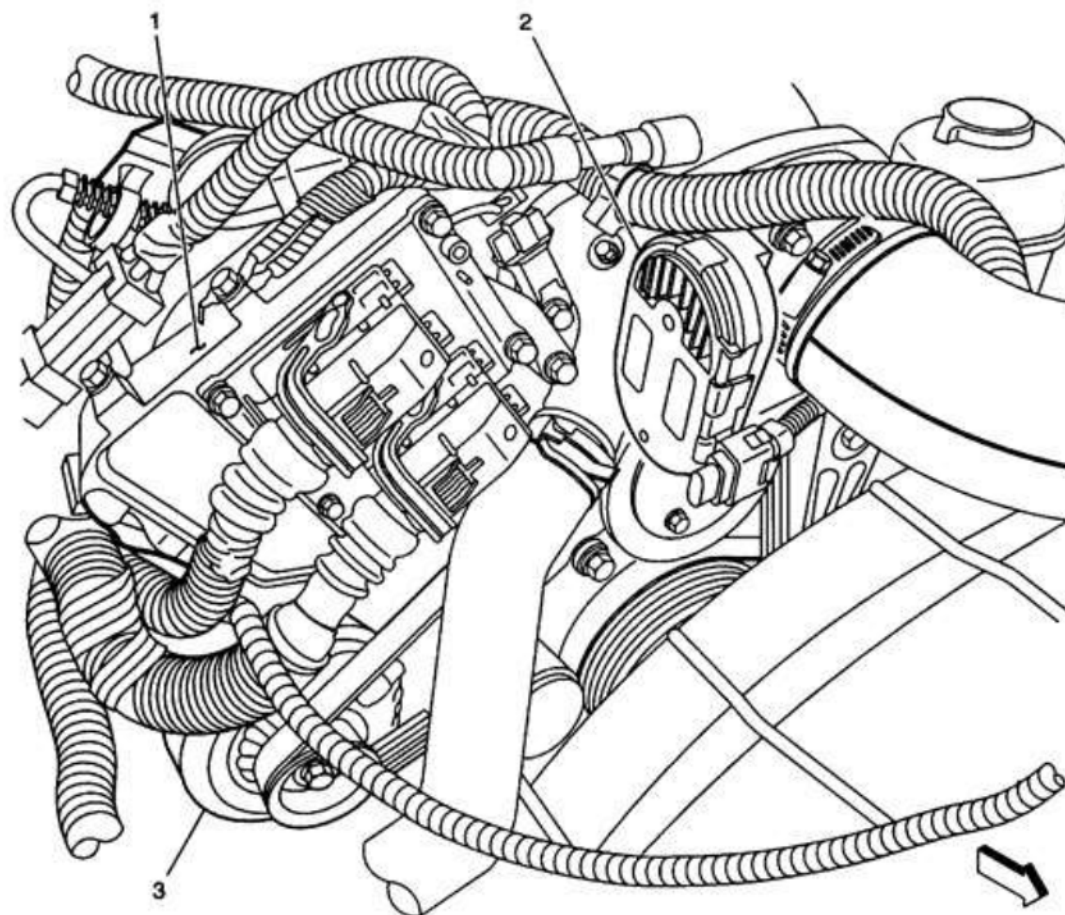
Fig. 52: Fuel Tank (3.6L)
Courtesy of GENERAL MOTORS CORP.



- (1) Engine Block
- (2) Knock Sensor (KS) 1
- (3) Crankshaft Position (CKP) Sensor
- (4) Starter Motor
- (5) Knock Sensor (KS) 2

G00260180

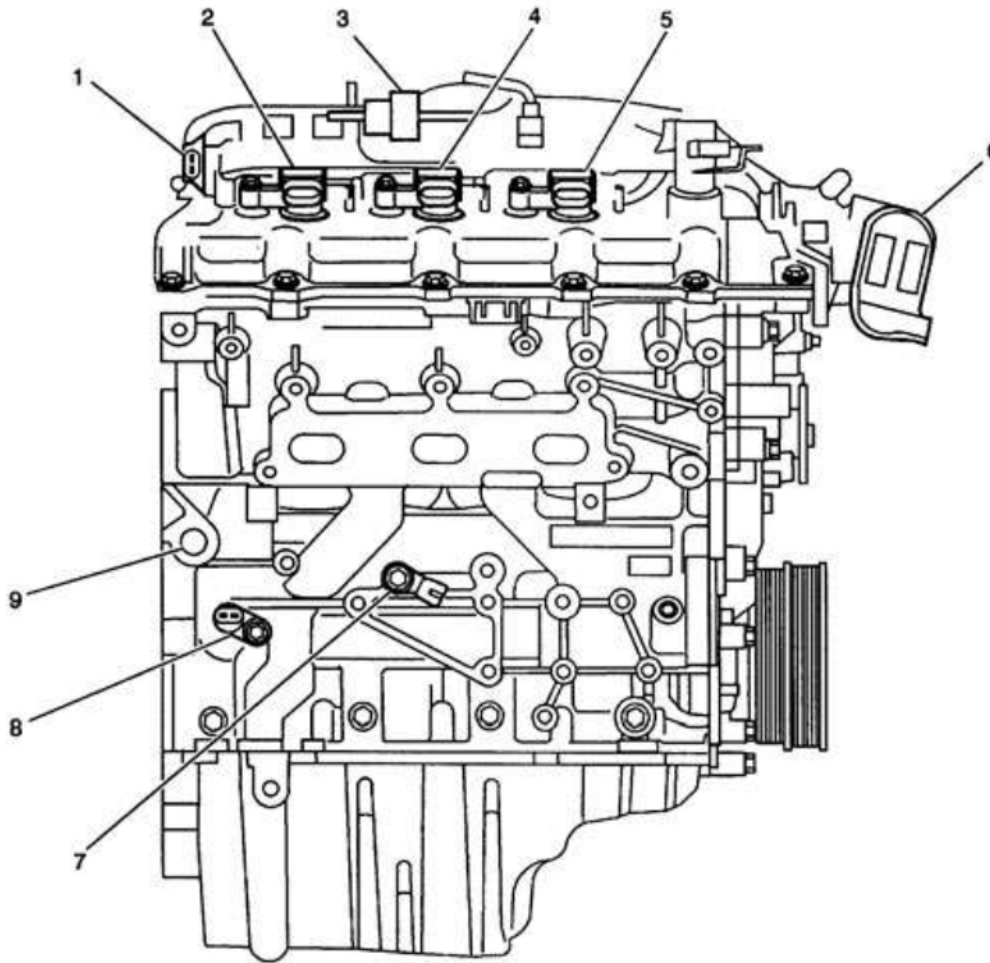
Fig. 53: Top Of Engine (4.6L)
Courtesy of GENERAL MOTORS CORP.



- (1) Transmission Control Module
- (2) TAC Module
- (3) Generator

G00260181

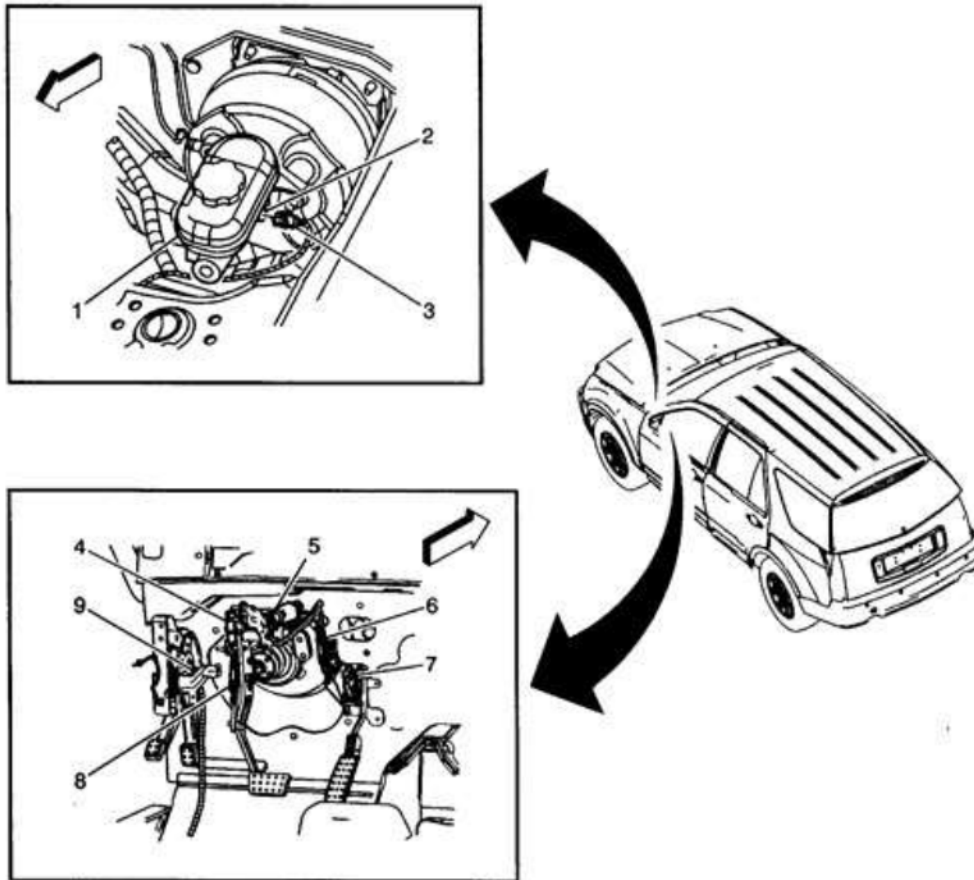
Fig. 54: Top Front Of Engine (3.6L)
Courtesy of GENERAL MOTORS CORP.



- (1) Intake Manifold Runner Control (IMRC) Solenoid
- (2) Ignition Coil 5
- (3) Evaporative Emission (EVAP) Canister Purge Solenoid Valve
- (4) Ignition Coil 3
- (5) Ignition Coil 1
- (6) Throttle Body Assembly
- (7) Knock Sensor (KS) - Bank 1
- (8) Crankshaft Position (CKP) Sensor
- (9) Engine Block Heater Assembly

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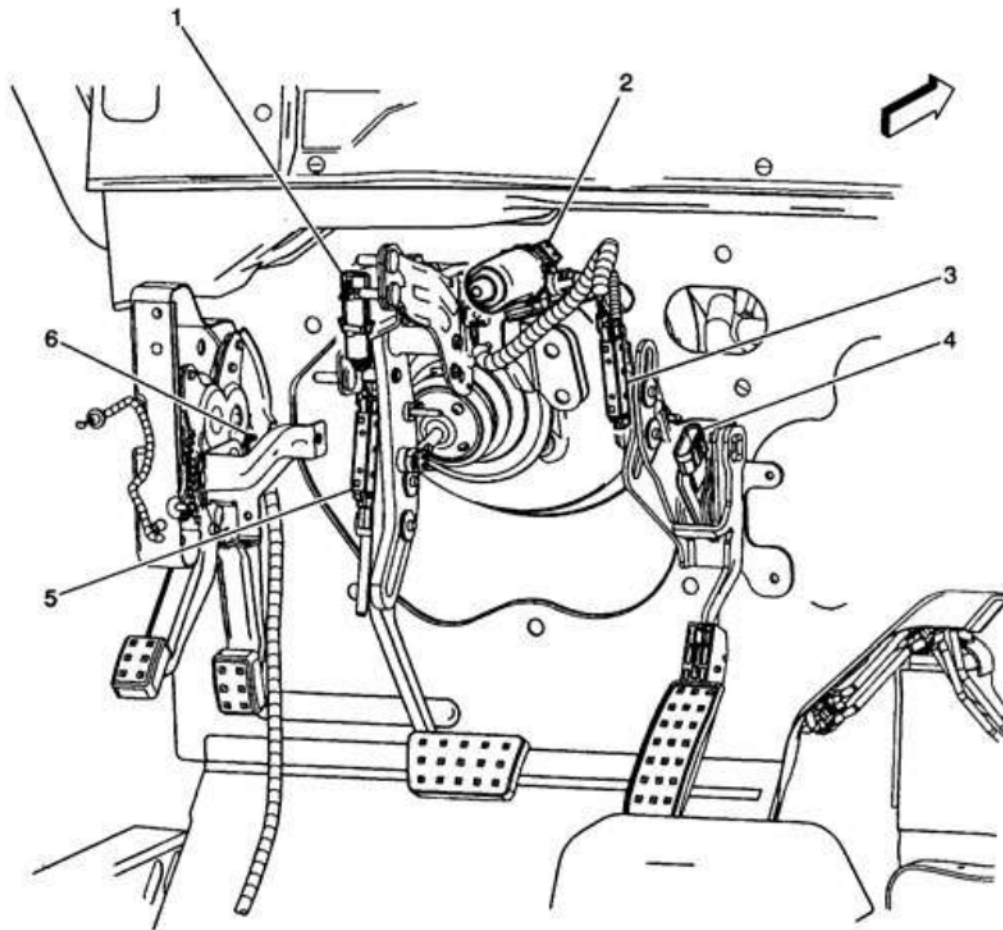
Fig. 55: Right Side Of Engine (3.6L)
Courtesy of GENERAL MOTORS CORP.



- (1) Brake Fluid Reservoir
- (2) Brake Fluid Level Switch
- (3) Brake Fluid Level Switch Connector
- (4) Brake Pedal Actuator Position Sensor
- (5) Adjust Pedal Motor
- (6) Throttle Pedal Actuator Position Sensor
- (7) Accelerator Pedal Position Sensor
- (8) Brake Pedal Position Sensor
- (9) Emergency Brake Warning Light Switch

G00260183

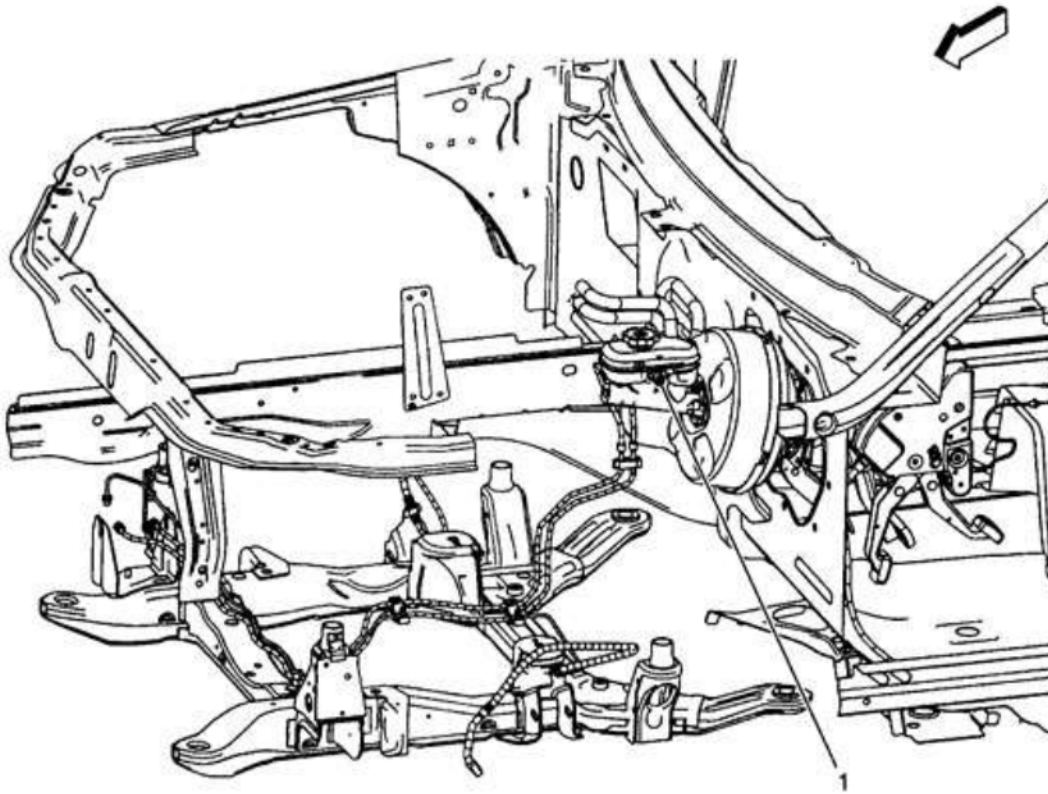
Fig. 56: Left Side Of Dash & Left Rear Of Engine Compartment
Courtesy of GENERAL MOTORS CORP.



- (1) Brake Pedal Actuator Position Sensor
- (2) Adjustable Pedal Motor
- (3) Throttle Pedal Actuator Position Sensor
- (4) Accelerator Pedal Position (APP) Sensor
- (5) Brake Pedal Position Sensor
- (6) Emergency Brake Warning Light Switch

G00260184

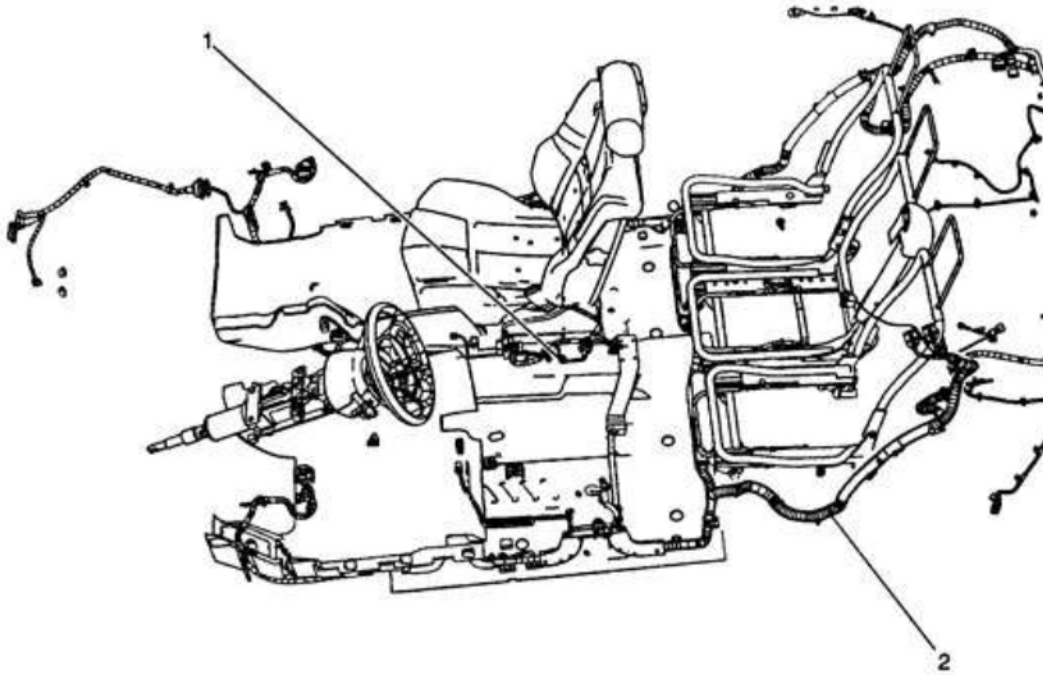
Fig. 57: Under Left Side Of Dash
Courtesy of GENERAL MOTORS CORP.



(1) Brake Fluid Level Sensor

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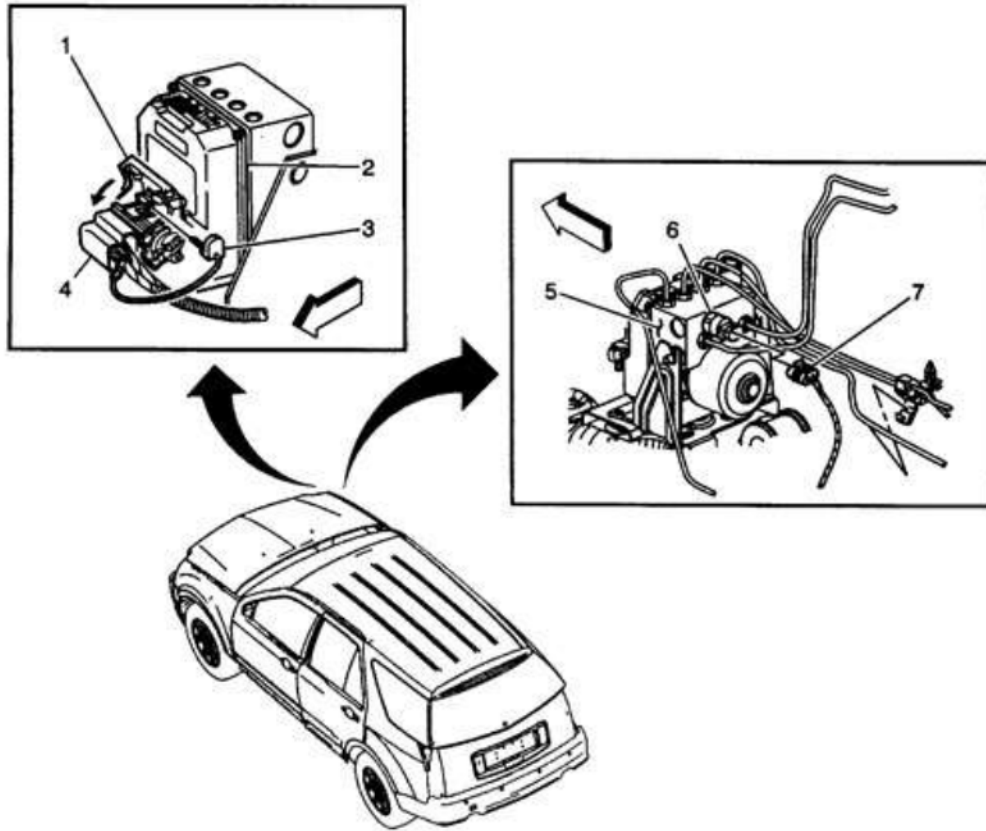
Fig. 58: Left Rear Of Engine Compartment
Courtesy of GENERAL MOTORS CORP.



- (1) Yaw and Lateral/Longitudinal Acceleration Sensor
- (2) Body Harness

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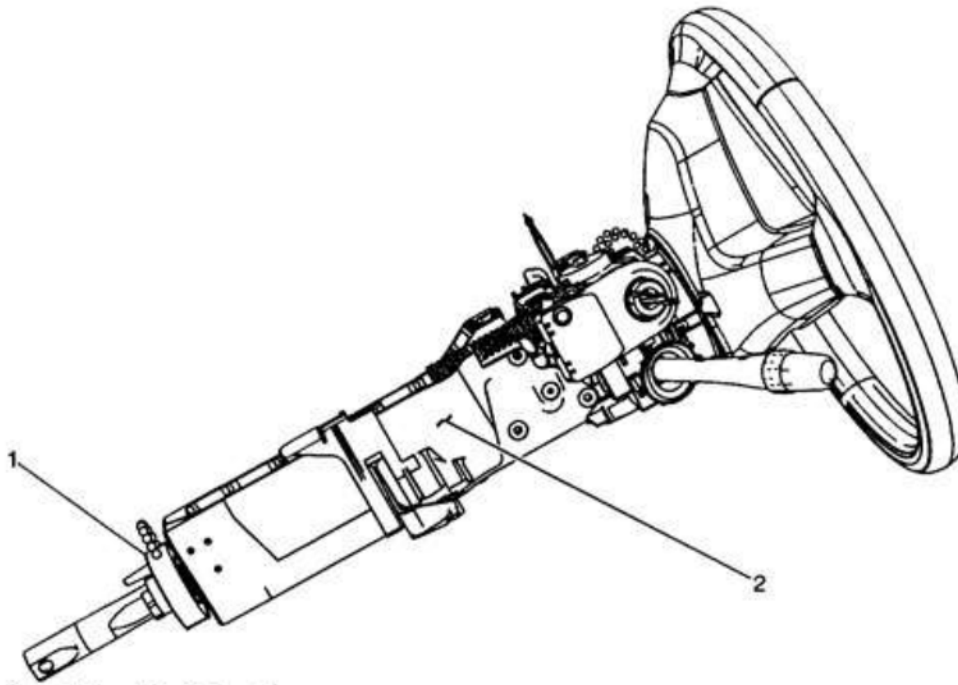
Fig. 59: Under Center Console
Courtesy of GENERAL MOTORS CORP.



- (1) EBCM Connector Lock
- (2) Electronic Brake Control Module (EBCM)
- (3) EBCM Connector Position Assurance Retainer
- (4) EBCM Connector
- (5) Brake Pressure Modulator Valve (BPMV)
- (6) Brake Fluid Pressure Sensor
- (7) Brake Fluid Pressure Sensor Connector

G00260187

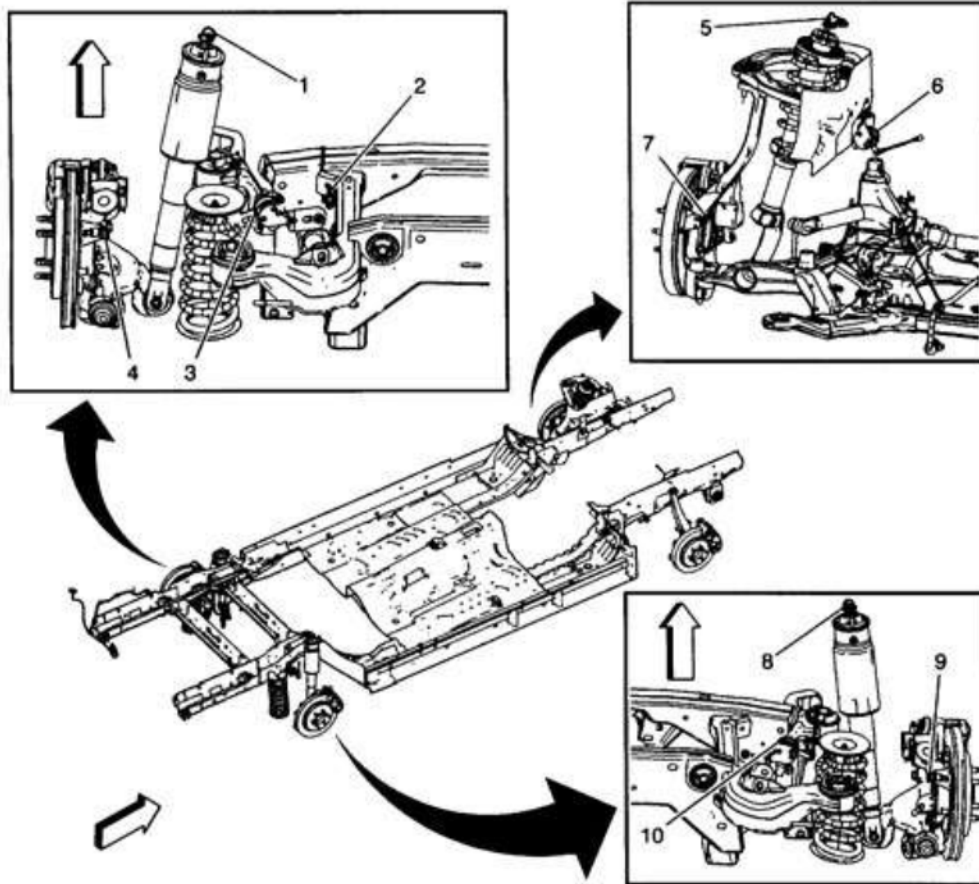
Fig. 60: Right Side Of Engine Compartment
Courtesy of GENERAL MOTORS CORP.



- (1) Steering Wheel Position Sensor
- (2) Steering Column

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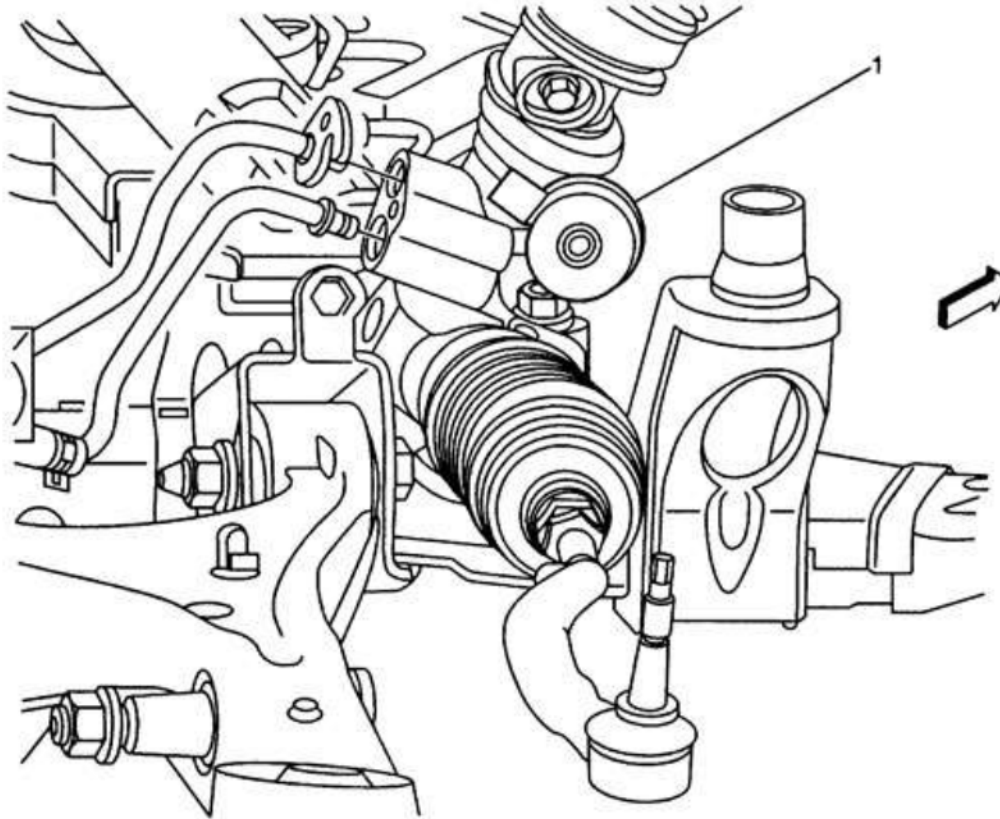
Fig. 61: Bottom Of Steering Column
Courtesy of GENERAL MOTORS CORP.



- (1) Suspension Damper-LR
- (2) Suspension Position Sensor Extension Harness Connector-LR
- (3) Suspension Position Sensor-LR
- (4) Wheel Speed Sensor (WSS)-LR
- (5) Suspension Damper-LF
- (6) Suspension Position Sensor-LF
- (7) Wheel Speed Sensor (WSS)-LF (RF Similar)
- (8) Suspension Damper-RR
- (9) Wheel Speed Sensor (WSS)-RR
- (10) Suspension Position Sensor-RR

G00280190

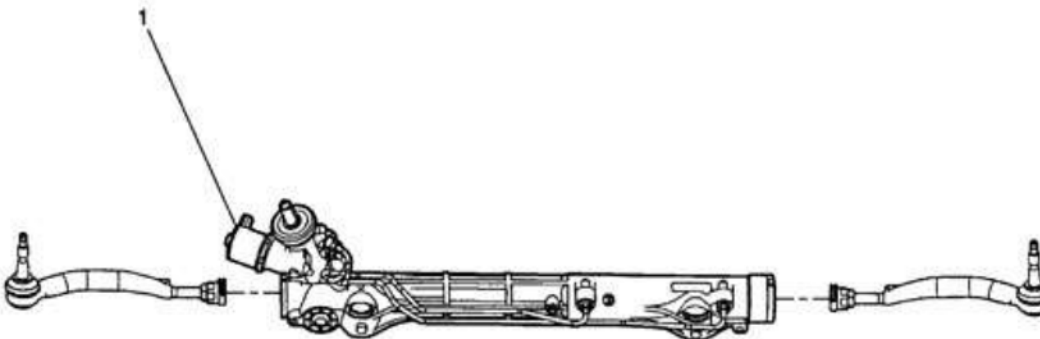
Fig. 62: Front & Rear Wheel Assemblies
Courtesy of GENERAL MOTORS CORP.



(1) Magnasteer® Sensor

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Fig. 63: Left Rear Of Engine Compartment
Courtesy of GENERAL MOTORS CORP.

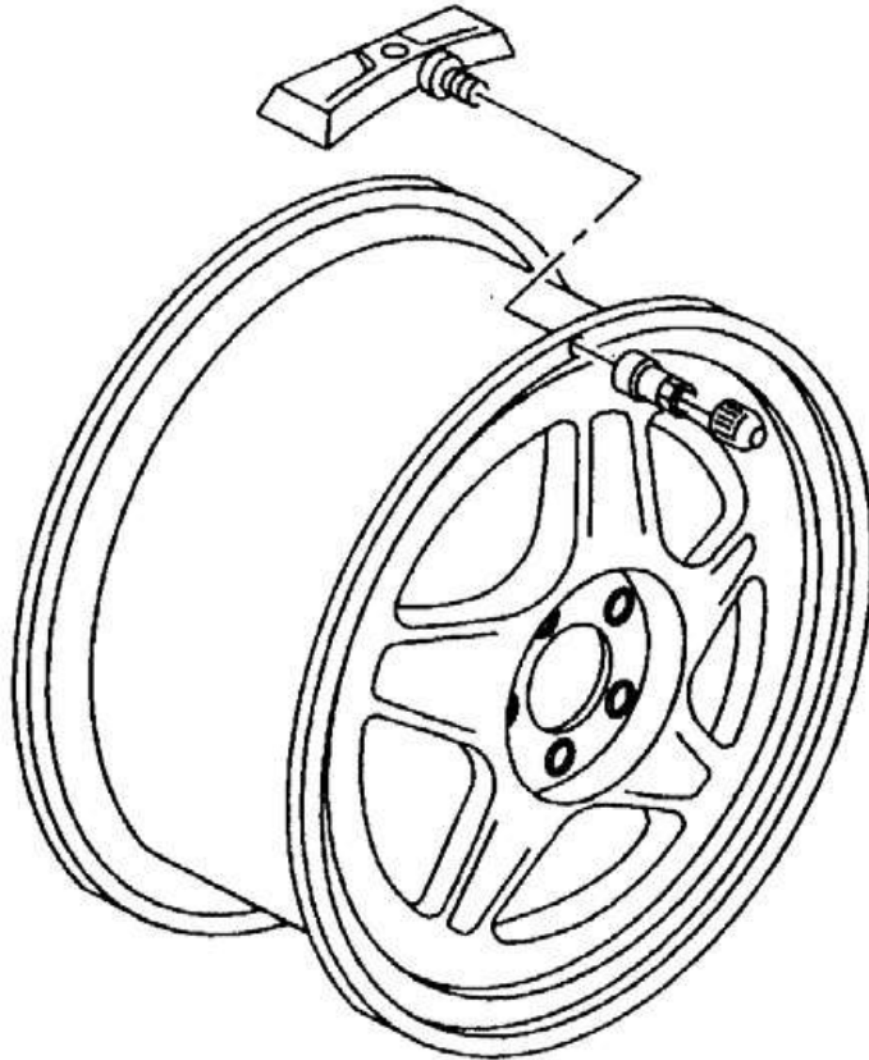


(1) Magnasteer® Assembly

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Fig. 64: Left Rear Of Engine Compartment

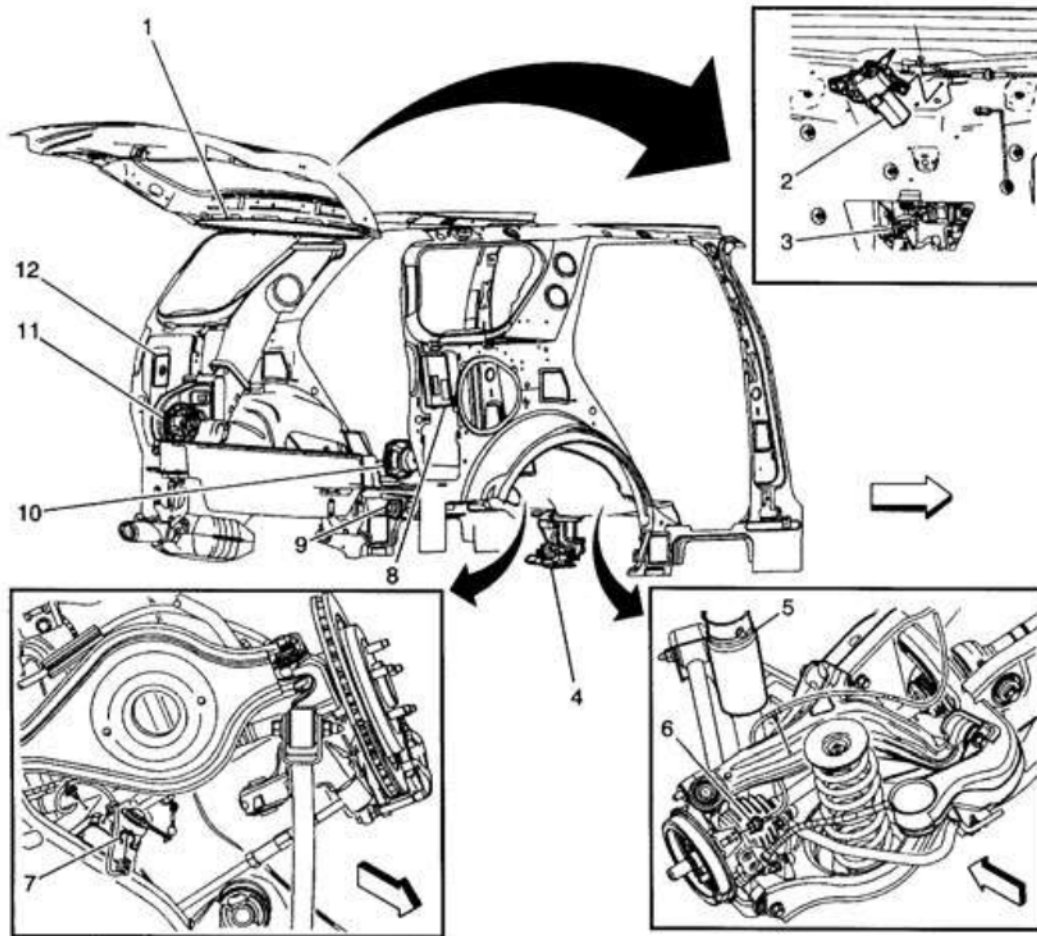
Courtesy of GENERAL MOTORS CORP.



(1) Tire Pressure Monitoring Sensor

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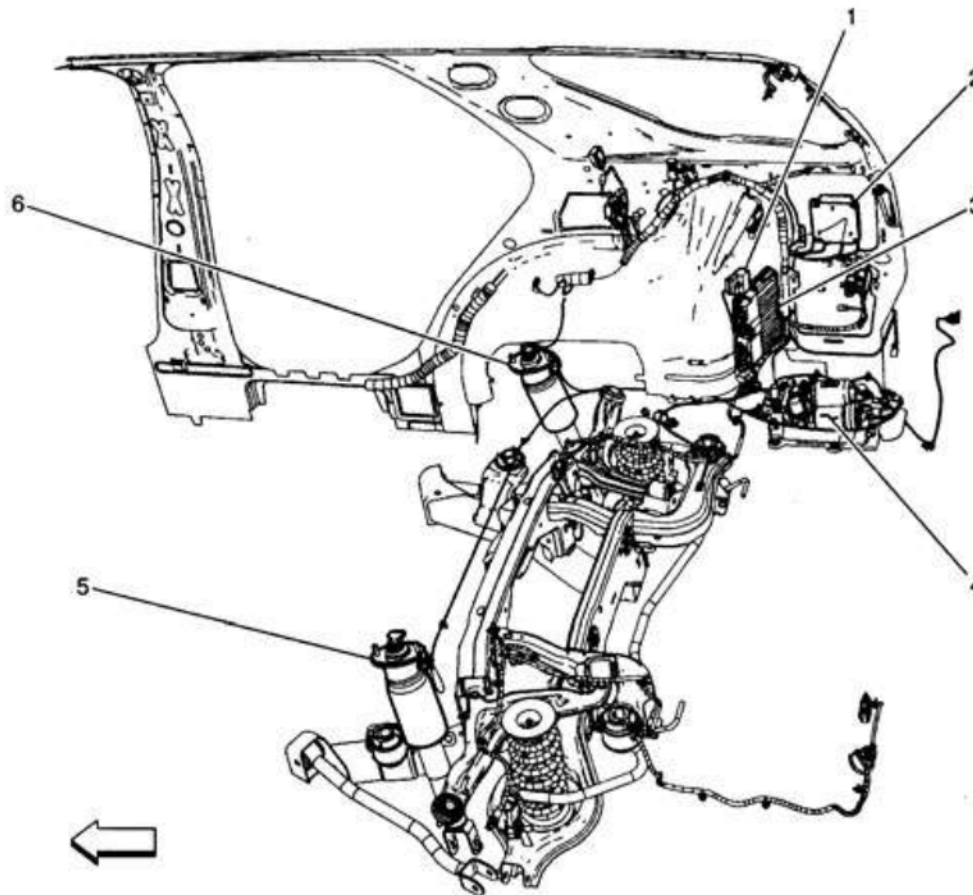
Fig. 65: Tire Pressure Monitoring Sensor
Courtesy of GENERAL MOTORS CORP.



- (1) CHMSL
- (2) Rear Wiper Motor
- (3) Lift Gate Lock Assembly
- (4) Automatic Level Control Assembly
- (5) Left Rear Shock - Right Rear Similar
- (6) Left Rear Wheel Speed Sensor - Right Rear Similar
- (7) Right Rear Height Sensor - Left Rear Similar
- (8) Satellite Radio Receiver
- (9) Vapor Canister
- (10) Right Rear Speaker
- (11) Right Blower Motor
- (12) Left Rear Speaker

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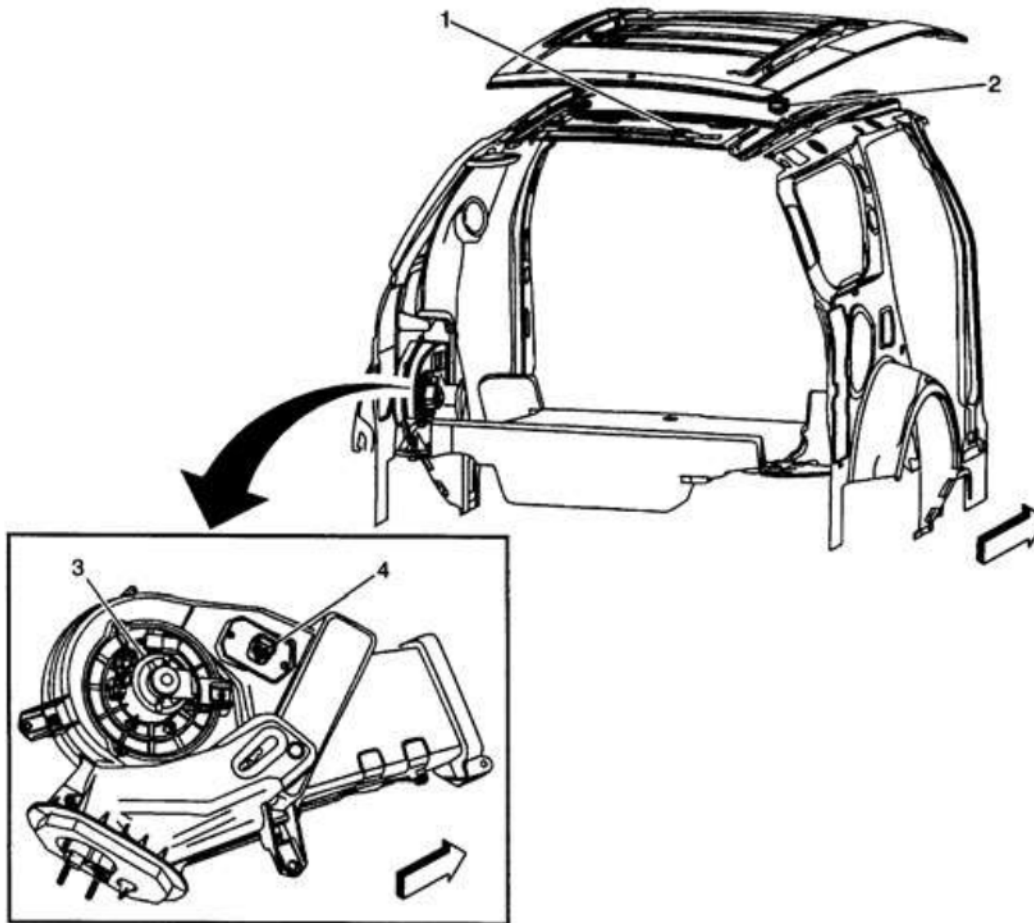
Fig. 66: Rear Of Vehicle
 Courtesy of GENERAL MOTORS CORP.



- (1) Liftgate Release Relay
- (2) Digital Radio Receiver-L Band
- (3) Electronic Suspension Control (ESC) Module
- (4) Automatic Level Control (ALC) Compressor
- (5) Suspension Damper-LR
- (6) Suspension Damper-RR

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Fig. 67: Right Rear Of Vehicle & Rear Suspension
Courtesy of GENERAL MOTORS CORP.



- (1) Rear Auxiliary Blower Motor Switch
- (2) Third Row Seat A/C
- (3) Auxiliary Blower Motor
- (4) Auxiliary Blower Motor Resistor Assembly

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Fig. 68: Rear Of Vehicle
Courtesy of GENERAL MOTORS CORP.