

2006 Chevrolet Impala LS

2006 GENERAL MOTORS Impala & Monte Carlo

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Impala & Monte Carlo

BUZZERS, RELAYS & TIMERS

BUZZERS, RELAYS & TIMERS LOCATION

Component	Location
A/C CMPSR Relay	In underhood fuse block. See Fig. 69 .
FAN 1 Relay	In underhood fuse block. See Fig. 69 .
FAN 2 Relay	In underhood fuse block. See Fig. 69 .
FAN 3 Relay	In underhood fuse block. See Fig. 69 .
FUEL/PUMP Relay	In underhood fuse block. See Fig. 69 .
PWR/TRN Relay	In underhood fuse block. See Fig. 69 .
REAR DEFOG Relay	In underhood fuse block. See Fig. 69 .
STRTR Relay	In underhood fuse block. See Fig. 69 .

CIRCUIT PROTECTION DEVICES

CIRCUIT PROTECTION DEVICES LOCATION

Component	Location
Emergency Vehicle Rear Compartment Lid Lamps Relay	Right front of rear compartment. See Fig. 86 .
Fusible Link (Except Police)	Near starter.
Fusible Links (Police)	At underhood battery stud. See Fig. 63 .
I/P Fuse Block	In right front kick panel. See Fig. 66 .
Rear Junction Block	In rear compartment, behind right rear wheelhouse. See Fig. 39 .
SEO Fuse Block	Above accelerator pedal. See Fig. 64 .
Terminator Resistor (W/ GPS)	In body harness, left side of rear compartment. See Fig. 8 .
Terminator Resistor (W/O GPS)	In body harness, near connector C203. See Fig. 11 .
Underhood Fuse Block	Mounted to right strut tower. See Fig. 34 .

CONTROL UNITS

CONTROL UNITS LOCATION

Component	Location
Blower Motor Control Processor	Lower right side of dash. See Fig. 41 .
Body Control Module (BCM)	Left of steering column. See Fig. 9 .

2006 Chevrolet Impala LS

2006 GENERAL MOTORS Impala & Monte Carlo

Electronic Brake Control Module (EBCM)	Part of brake pressure modulator valve. See Fig. 1 .
Engine Control Module (ECM)	Inside air cleaner assembly. See Fig. 1 .
Headlamp Flasher Module	At left side of right headlamp assembly. See Fig. 46 .
Heated Seat Control Module	Under driver seat. See Fig. 56 .
HVAC Control Module	Center of dash. See Fig. 41 .
Ignition Control Module (ICM)	Top rear center of engine. See Fig. 20 .
Inflatable Restraint Front Passenger Presence System (PPS) Module	Under front passenger seat. See Fig. 50 .
Inflatable Restraint I/P Module	Right side of instrument panel, above I/P compartment. See Fig. 37 .
Inflatable Restraint Sensing & Diagnostic Module (SDM)	Under front passenger seat, under carpet. See Fig. 51 .
Inflatable Restraint Side Impact Module - Left	On left side of driver seat back. See Fig. 53 .
Inflatable Restraint Side Impact Module - Right	On right side of front passenger seat back. See Fig. 53 .
Inflatable Restraint Steering Wheel Module	Center of steering wheel. See Fig. 9 .
Radio Antenna Module	Left of back window. See Fig. 38 .
Remote Control Door Lock Receiver (RCDLR)	Under defroster grill panel. See Fig. 45 .
Roof Rail Module - Left	Mounted on left "C" pillar. See Fig. 54 .
Roof Rail Module - Right	Mounted on right "C" pillar. See Fig. 54 .
Theft Deterrent Exciter Module	Around ignition key cylinder housing. See Fig. 59 .
Transmission Control Module (TCM)	Left side of engine compartment in with air cleaner. See Fig. 5 .
Vehicle Communication Interface Module (VCIM)	Mounted to rear of left rear wheelhouse. See Fig. 8 .

MOTORS

MOTORS LOCATION

Component	Location
Air Temperature Actuator	Behind center of I/P on HVAC case. See Fig. 41 .
Air Temperature Actuator - Left	Right of accelerator pedal. See Fig. 41 .
Air Temperature Actuator - Right	Behind center of dash, on HVAC case. See Fig. 41 .

2006 Chevrolet Impala LS

2006 GENERAL MOTORS Impala & Monte Carlo

Blower Motor	Above foot area of passenger floor. See Fig. 41 .
Cooling Fan - Left	Front of engine compartment, mounted to left side of radiator. See Fig. 31 .
Cooling Fan - Right	Mounted to right side of radiator. See Fig. 31 .
Door Lock Actuator - Driver	Rear of driver door. See Fig. 13 .
Door Lock Actuator - Passenger	Rear of passenger door. See Fig. 15 .
Fuel Pump	In fuel tank assembly. See Fig. 30 .
Fuel Pump & Sender Assembly	Top of fuel tank. See Fig. 25 .
Horizontal Motor	In seat back. See Fig. 50 .
Ignition Lock Cylinder Control Actuator	In steering column. See Fig. 59 .
Mode Actuator	On HVAC assembly. See Fig. 41 .
Rear Compartment Lid Release Actuator	Center of deck lid. See Fig. 6 .
Recirculation Actuator	On right side of HVAC case. See Fig. 41 .
Seat Adjuster Motor Assembly - Driver	Below driver seat.
Seat Adjuster Motor Assembly - Passenger	Below front passenger seat.
Seat Recline Motor - Driver	Attached to right side of driver seat back. See Fig. 56 .
Starter	Lower front of engine, at transaxle. See Fig. 32 .
Sunroof Motor	Front center of sunroof module. See Fig. 7 .
Vertical Motor (Front)	In seat back. See Fig. 50 .
Vertical Motor (Rear)	In seat back. See Fig. 50 .
Window Motor-Driver (Coupe)	Center of door. See Fig. 13 .
Window Motor - Driver (Sedan)	Center of driver door. See Fig. 12 .
Window Motor-Front Passenger (Coupe)	Center of front passenger door. See Fig. 15 .
Window Motor - Front Passenger (Sedan)	Center of front passenger door. See Fig. 14 .
Window Motor - LR	Center of left rear door. See Fig. 16 .
Window Motor - RR	Center of right rear door. See Fig. 17 .
Windshield Washer Fluid Pump	In lower portion of washer fluid container. See Fig. 34 .
Windshield Wiper Motor	In left side cowl panel, below air inlet screen. See Fig. 1 .

SENDING UNITS & SENSORS

2006 Chevrolet Impala LS

2006 GENERAL MOTORS Impala & Monte Carlo

SENDING UNITS & SENSORS LOCATION

Component	Location
Accelerator Pedal Position (APP) Sensor	Above accelerator pedal. See Fig. 24 .
A/C Refrigerant Pressure Sensor	Under air cleaner. See Fig. 1 .
Ambient Air Temperature Sensor	In front of radiator. See Fig. 43 .
Ambient Light Sensor	Top center of dash. See Fig. 37 .
Automatic Transmission Fluid Temperature (TFT) Sensor	Inside automatic transaxle.
Automatic Transmission Input Shaft Speed (A/T ISS) Sensor	Inside automatic transaxle. See Fig. 4 .
Battery Current Sensor	On positive battery cable. See Fig. 35 .
Brake Booster Vacuum Sensor	At brake booster. See Fig. 42 .
Brake Pedal Position Sensor	Right side of brake pedal bracket. See Fig. 24 .
Camshaft Position Actuator Solenoid (3.5L & 3.9L)	At end of camshaft, in timing cover.
Camshaft Position (CMP) Sensor (3.5L & 3.9L)	Center of engine block above timing cover. See Fig. 22 .
Camshaft Position (CMP) Sensor (5.3L)	In timing cover, to left of water pump pulley. See Fig. 27 .
Crankshaft Position (CKP) Sensor (3.5L & 3.9L)	Above transaxle.
Crankshaft Position (CKP) Sensor (5.3L)	At end of crankshaft, behind harmonic balancer. See Fig. 29 .
Engine Coolant Temperature (ECT) Sensor (3.5L & 3.9L)	Left side of front cylinder head. See Fig. 21 .
Engine Coolant Temperature (ECT) Sensor (5.3L)	Left front of engine at cylinder No. 1. See Fig. 27 .
Engine Oil Pressure (EOP) Sensor (3.5L, 3.9L)	Right of starter. See Fig. 19 .
Engine Oil Pressure (EOP) Sensor (5.3L)	Below throttle body. See Fig. 28 .
Fuel Level Sensor	In fuel pump & sender assembly. See Fig. 30 .
Fuel Tank Pressure (FTP) Sensor	Inside fuel tank, part of fuel pump/sender assembly. See Fig. 30 .
Heated Oxygen Sensor (HO2S) 1	Rear of engine, mounted in exhaust manifold. See Fig. 20 .
Heated Oxygen Sensor (HO2S) 1 (5.3L)	Rear of engine, mounted in exhaust manifold. See Fig. 29 .
Heated Oxygen Sensor (HO2S) 2	In exhaust system, behind catalytic

2006 Chevrolet Impala LS

2006 GENERAL MOTORS Impala & Monte Carlo

	converter. See Fig. 23 .
Inflatable Restraint Front End Sensor - Left	Front left of car, rear of front fascia, left of hood latch. See Fig. 1 .
Inflatable Restraint Front End Sensor - Right	Front right of car, rear of front fascia, right of hood latch. See Fig. 34 .
Inflatable Restraint Front Passenger Presence System (PPS) Sensor	In front passenger seat cushion. See Fig. 50 .
Inflatable Restraint Side Impact Sensor (SIS) (Left)	In driver door. See Fig. 12 .
Inflatable Restraint Side Impact Sensor (SIS) (Right)	In front passenger door. See Fig. 14 .
Knock Sensor (KS) Bank 1 (3.5L & 3.9L)	Front of engine, above starter. See Fig. 22 .
Knock Sensor (KS) Bank 1 (5.3L)	Lower left rear of engine block. See Fig. 27 .
Knock Sensor (KS) Bank 2 (3.5L & 3.9L)	Rear of engine, below exhaust manifold. See Fig. 19 .
Knock Sensor (KS) Bank 2 (5.3L)	Rear of engine, below exhaust manifold. See Fig. 29 .
Manifold Absolute Pressure (MAP) Sensor (3.5L & 3.9L)	Behind throttle body. See Fig. 20 .
Manifold Absolute Pressure (MAP) Sensor (5.3L)	On throttle body. See Fig. 27 .
Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor	In air cleaner duct. See Fig. 26 .
Seat Belt Tension Sensor - Passenger	Part of buckle assembly. See Fig. 50 .
Tire Pressure Monitor Sensor - LF	Inside left front tire at valve stem. See Fig. 60 .
Tire Pressure Monitor Sensor - LR	Inside left rear tire at valve stem. See Fig. 60 .
Tire Pressure Monitor Sensor - RF	Inside right front tire at valve stem. See Fig. 60 .
Tire Pressure Monitor Sensor - RR	Inside right rear tire at valve stem. See Fig. 60 .
Transmission Fluid Temperature (TFT) Sensor	On transmission assembly. See Fig. 4 .
Vehicle Speed Sensor (VSS)	Right side of transaxle, near right axle shaft. See Fig. 4 .
Wheel Speed Sensor (WSS) - LF	Inside left front wheel hub.
Wheel Speed Sensor (WSS) - LR	Inside left rear wheel hub.
Wheel Speed Sensor (WSS) - RF	Inside right front wheel hub. See Fig. 3 .

2006 Chevrolet Impala LS

2006 GENERAL MOTORS Impala & Monte Carlo

Wheel Speed Sensor (WSS) - RR

Inside right rear wheel hub. See **Fig. 2** .

SOLENOIDS & SOLENOID VALVES

SOLENOIDS & SOLENOID VALVES LOCATION

Component	Location
A/C Compressor Clutch	Part of A/C compressor, on lower right front of engine. See Fig. 40 .
A/T Shift Lock Control Solenoid (W/ Floor Shifter)	Under center console. See Fig. 58 .
A/T Shift Lock Control Solenoid (W/O Floor Shifter)	Attached to right side of steering column. See Fig. 57 .
Camshaft Position Actuator Solenoid	Top front of engine. See Fig. 20 .
Evaporative Emission (EVAP) Canister Purge Solenoid Valve (3.5L & 3.9L)	Left front of engine, in front of throttle body. See Fig. 18 .
Evaporative Emission (EVAP) Canister Purge Solenoid Valve (5.3L)	On intake manifold, near fuel injectors. See Fig. 28 .
Evaporative Emission (EVAP) Canister Vent Solenoid	Behind left rear wheelhouse. See Fig. 25 .
Fuel Injector 1 (3.5L & 3.9L)	Top of engine, at number 1 cylinder intake port. See Fig. 21 .
Fuel Injector 1 (5.3L)	Top of engine, at number 1 cylinder intake port. See Fig. 21 .
Fuel Injector 2 (3.5L & 3.9L)	Top of engine, at number 2 cylinder intake port. See Fig. 21 .
Fuel Injector 2 (5.3L)	Top of engine, at number 2 cylinder intake port. See Fig. 28 .
Fuel Injector 3 (3.5L & 3.9L)	Top of engine, at number 3 cylinder intake port. See Fig. 21 .
Fuel Injector 3 (5.3L)	Top of engine, at number 3 cylinder intake port. See Fig. 28 .
Fuel Injector 4 (3.5L & 3.9L)	Top of engine, at number 4 cylinder intake port. See Fig. 21 .
Fuel Injector 4 (5.3L)	Top of engine, at number 4 cylinder intake port. See Fig. 28 .
Fuel Injector 5 (3.5L & 3.9L)	Top of engine, at number 5 cylinder intake port. See Fig. 21 .
Fuel Injector 5 (5.3L)	Top of engine, at number 5 cylinder intake port. See Fig. 28 .
Fuel Injector 6 (3.5L & 3.9L)	Top of engine, at number 6 cylinder intake port. See Fig. 21 .

2006 Chevrolet Impala LS

2006 GENERAL MOTORS Impala & Monte Carlo

Fuel Injector 6 (5.3L)	Top of engine, at number 6 cylinder intake port. See Fig. 28 .
Fuel Injector 7 (5.3L)	Top of engine, at number 7 cylinder intake port. See Fig. 28 .
Fuel Injector 8 (5.3L)	Top of engine, at number 8 cylinder intake port. See Fig. 28 .
Intake Manifold Tuning (IMT) Valve Solenoid	Right side of engine in intake manifold. See Fig. 20 .
Pressure Control (PC) Solenoid Valve	Inside automatic transaxle. See Fig. 4 .
Starter Solenoid	Left rear of engine. See Fig. 33 .
Torque Converter Clutch Pulse Width Modulation (TCC PWM) Solenoid Valve Assembly	Inside automatic transaxle. See Fig. 4 .
1-2, 3-4 Shift Solenoid (1-2) (SS) Valve	Inside automatic transaxle. See Fig. 4 .
2-3 Shift Solenoid (2-3) (SS) Valve	Inside automatic transaxle. See Fig. 4 .

SWITCHES**SWITCHES LOCATION**

Component	Location
A/C Pressure Switch	On A/C line, lower left front of engine compartment. See Fig. 1 .
Automatic Transmission Fluid Pressure (TFP) Manual Valve Position Switch	Inside automatic transaxle.
Brake Fluid Level Switch	Mounted under center of brake fluid reservoir. See Fig. 42 .
Engine Oil Level Switch (3.5L & 3.9L)	Front lower center of engine oil pan. See Fig. 22 .
Engine Oil Level Switch (5.3L)	Bottom of oil pan. See Fig. 29 .
Hood Ajar Switch	Part of hood latch. See Fig. 43 .
Park Brake Switch	Part of park brake assembly. See Fig. 24 .
Rear Compartment Lid Ajar Switch	On deck lid. See Fig. 6 .
Seat Belt Switch - Driver	Inside driver seat belt buckle. See Fig. 55 .
Seat Belt Switch - Passenger	Inside front passenger seat belt buckle. See Fig. 50 .
Transmission Fluid Pressure (TFT) Manual Valve Position Switch Assembly	On transmission assembly. See Fig. 4 .
Transmission Internal Mode Switch (IMS)	Inside automatic transaxle.
Turn Signal/Multifunction Switch	Inside steering column, below inflatable restraint steering wheel module coil. See Fig. 37 .

2006 Chevrolet Impala LS

2006 GENERAL MOTORS Impala & Monte Carlo

Windshield Washer Fluid Level Switch

In lower portion of washer fluid container.
See **Fig. 34**.**MISCELLANEOUS****MISCELLANEOUS LOCATION**

Component	Location
A/C Compressor Clutch Diode	In wiring harness, 10 cm from A/C compressor clutch.
Audio Amplifier	Center of rear compartment. See Fig. 47 .
Cellular Navigation & Digital Radio Antenna	Top rear center of roof. See Fig. 7 .
Data Link Connector (DLC)	Left of steering column. See Fig. 10 .
Digital Radio Receiver	Mounted to rear of right rear wheelwell. See Fig. 39 .
Door Lock - Driver (Sedan)	Rear of driver door.
Door Lock - Front Passenger (Sedan)	Rear of passenger door.
Door Lock - LR (Sedan)	Rear of left rear door.
Door Lock - RR (Sedan)	Rear of right rear door.
Generator	Top right rear side of engine. See Fig. 34 .
Heated Seat Element - Driver (Seat Back)	Under upholstery of driver seat back. See Fig. 56 .
Heated Seat Element - Driver (Seat Bottom)	Under upholstery of driver seat bottom. See Fig. 56 .
Heated Seat Element - Passenger (Seat Back)	Under upholstery of passenger seat back.
Heated Seat Element - Passenger (Seat Bottom)	Under upholstery of passenger seat bottom. See Fig. 50 .
Horn Assembly	Below right headlamp. See Fig. 34 .
Ignition Coil 1 (3.5L & 3.9L)	Top of engine, at number 1 cylinder. See Fig. 27 .
Ignition Coil 1 (5.3L)	Top of engine, at number 1 cylinder. See Fig. 28 .
Ignition Coil 2 (3.5L & 3.9L)	Top of engine, at number 2 cylinder. See Fig. 27 .
Ignition Coil 2 (5.3L)	Top of engine, at number 2 cylinder. See Fig. 28 .
Ignition Coil 3 (3.5L & 3.9L)	Top of engine, at number 3 cylinder. See Fig. 27 .
Ignition Coil 3 (5.3L)	Top of engine, at number 3 cylinder. See Fig. 28 .

2006 Chevrolet Impala LS

2006 GENERAL MOTORS Impala & Monte Carlo

Ignition Coil 4 (3.5L & 3.9L)	Top of engine, at number 4 cylinder. See Fig. 27 .
Ignition Coil 4 (5.3L)	Top of engine, at number 4 cylinder. See Fig. 28 .
Ignition Coil 5 (3.5L & 3.9L)	Top of engine, at number 5 cylinder. See Fig. 27 .
Ignition Coil 5 (5.3L)	Top of engine, at number 5 cylinder. See Fig. 28 .
Ignition Coil 6 (3.5L & 3.9L)	Top of engine, at number 6 cylinder. See Fig. 27 .
Ignition Coil 6 (5.3L)	Top of engine, at number 6 cylinder. See Fig. 28 .
Ignition Coil 7 (5.3L)	Top of engine, at number 7 cylinder. See Fig. 28 .
Ignition Coil 8 (5.3L)	Top of engine, at number 8 cylinder. See Fig. 28 .
Inflatable Restraint Steering Wheel Module Coil	In steering column behind steering wheel.
Radio	Center of dash. See Fig. 36 .
Remote Control Door Lock Receiver Windshield Antenna	Left "A" pillar. See Fig. 44 .
Seat Belt Pretensioner - Left	At base of "B" pillar. See Fig. 49 .
Seat Belt Pretensioner - Right	At base of "B" pillar. See Fig. 52 .
Valve Lifter Oil Manifold Assembly	Under throttle actuator control (TAC) module.

CONNECTORS

CONNECTORS LOCATION

Component	Location
C100 (20 Pin)	In engine wiring harness to automatic transaxle wiring harness, on top of transmission. See Fig. 33 .
C101 (Black, 10 Pin)	In I/P wiring harness to engine wiring harness, bolted to left strut tower next to C111. See Fig. 62 .
C102 (Black, 16 Pin)	In engine wiring harness to fuel injector wiring harness, top right side of engine. See Fig. 75 .
C105 (Black, 2 Pin)	In I/P wiring harness to battery cable harness, forward of right front strut tower.

2006 Chevrolet Impala LS

2006 GENERAL MOTORS Impala & Monte Carlo

	See Fig. 71 .
C107 (Blue/Gray, 8 Pin)	In engine wiring harness to ignition control module wiring harness, on top of engine between fuel injectors 3 / 5. See Fig. 73 .
C108 (Blue/Gray, 8 Pin)	In engine wiring harness to ignition control module wiring harness, on top of engine between fuel injectors 4 & 6. See Fig. 62 .
C111 (Black, 14 Pin)	In I/P wiring harness to engine wiring harness, bolted to left strut tower next to C101. See Fig. 62 .
C116 (Black, 5 Pin)	In engine wiring harness to crank sensor jumper harness, on transmission. See Fig. 73 .
C120 (Black, 10 Pin)	In I/P wiring harness to forward lamp wiring harness, behind left headlamp assembly on frame. See Fig. 70 .
C122 (Black, 6 Pin)	In forward lamp wiring harness to forward lamp wiring harness, at left side of right headlamp assembly. See Fig. 70 .
C123 (Black, 4 Pin)	In I/P wiring harness to grill lamp jumper harness, forward of RF strut tower. See Fig. 63 .
C141 (Black, 5 Pin)	In forward lamp wiring harness to left headlamp harness, behind left headlamp assembly. See Fig. 70 .
C142 (Black, 5 Pin)	In forward lamp wiring harness to right headlamp harness, behind right headlamp assembly. See Fig. 70 .
C200 (Blue/Gray, 40 Pin)	In body wiring harness to I/P wiring harness, below I/P fuse panel. See Fig. 10 .
C201 (Black, 10 Pin)	In steering column harness to I/P wiring harness, behind knee bolster to right of steering column. See Fig. 10 .
C203 (Blue/Gray, 22 Pin)	In body wiring harness to I/P wiring harness, near C250. See Fig. 11 .
C208 (Black, 2 Pin)	In SEO auxiliary wiring harness to body harness, at right front footwell.
C210 (Black, 2 Pin)	In I/P wiring harness to HVAC harness, on right side of HVAC module assembly. See Fig. 10 .
C223 (Black, 2 Pin)	In body wiring harness, near G301.

2006 Chevrolet Impala LS

2006 GENERAL MOTORS Impala & Monte Carlo

C250 (Yellow, 4 Pin)	In inflatable restraint steering wheel module coil wiring harness to body wiring harness, near C203,. See Fig. 11 .
C266A (Black, 1 Pin)	In I/P wiring harness to C266B, above right front footwell. See Fig. 10 .
C266B (Black, 1 Pin)	In I/P wiring harness to C266A, above right front footwell. See Fig. 10 .
C267A (Blue, 8 Pin)	In I/P wiring harness to C267B, above right front footwell. See Fig. 10 .
C267B (Blue, 8 Pin)	In I/P wiring harness to C267A, above right front footwell. See Fig. 10 .
C275 (Black, 8 Pin)	In Inflatable restraint steering wheel module coil wiring harness to steering column wiring harness, taped to steering column harness.
C277 (Black, 8 Pin)	In inflatable restraint steering wheel module coil wiring harness to steering wheel wiring harness, behind inflatable restraint steering wheel module. See Fig. 76 .
C278 (Yellow, 4 Pin)	In inflatable restraint I/P module jumper harness to body harness, behind right I/P access panel.
C297 (Blue/Gray, 6 Pin)	In I/P wiring harness to emergency vehicle front lamps flasher harness, above right front footwell. See Fig. 10 .
C301 (Gray, 40 Pin)	In body wiring harness to left front door wiring harness, between door hinges. See Fig. 77 .
C302 (Gray, 40 Pin)	In body wiring harness to right front door wiring harness, between door hinges. See Fig. 77 .
C303 (1 Pin)	In I/P wiring harness to body wiring harness COAX connector, next to G302. See Fig. 66 .
C311 (Black, 12 Pin)	In body wiring harness to driver seat wiring harness, below driver seat. See Fig. 77 .
C312 (Yellow, 2 Pin)	In left inflatable restraint side impact module jumper harness to body harness, below drivers seat. See Fig. 53 .
	In body wiring harness to front passenger

2006 Chevrolet Impala LS

2006 GENERAL MOTORS Impala & Monte Carlo

C313 (Black, 12 Pin)	seat wiring harness, below front passenger seat. See Fig. 77 .
C314 (Yellow, 2 Pin)	In right inflatable restraint side impact module jumper harness to body harness, below passenger seat. See Fig. 53 .
C322 (Black, 2 Pin)	In body wiring harness to roof wiring provisions harness, near right "C" pillar. See Fig. 80 .
C340 (Coupe) (Black, 2 Pin)	In body wiring harness to floor console wiring harness, below center floor console.
C340 (Sedan) (Black, 2 Pin)	In body wiring harness to auxiliary power outlet seat jumper harness, under center of front seat. See Fig. 77 .
C355 (Black/Gray, 9 Pin)	In body wiring harness to left rear door wiring harness, center of left rear door jamb. See Fig. 84 .
C356 (Black/Gray, 9 Pin)	In body wiring harness to right rear door wiring harness, center of right rear door jamb. See Fig. 85 .
C360 (Black, 1 Pin)	In body harness to I/P harness, near C200. See Fig. 10 .
C362 (Black, 1 Pin)	In body harness to I/P harness, near C200. See Fig. 10 .
C398 (Black, 6 Pin)	In sunroof wiring harness to roof wiring harness, above sunshade. See Fig. 67 .
C401 (Gray, 4 Pin)	In rear body harness to left tail lamp harness, near left tail lamp assembly. See Fig. 88 .
C402 (Gray, 4 Pin)	In rear body harness to right tail lamp harness, near right tail lamp assembly. See Fig. 88 .
C405 (Gray, 12 Pin)	In rear chassis harness to body harness, forward of right of spare tire well. See Fig. 81 .
C406 (Black, 8 Pin)	In body harness to rear body harness, clipped on bumper fascia. See Fig. 81 .
C409 (Black, 2 Pin)	In emergency vehicle rear compartment lid lamps wiring harness to body wiring harness, between center high mounted stop lamp (CHMSL) & rear junction block. See Fig. 48 .
	In left roof rail module left jumper harness

2006 Chevrolet Impala LS

2006 GENERAL MOTORS Impala & Monte Carlo

C412 (Yellow, 2 Pin)	to body harness, behind left "C" pillar trim. See Fig. 79 .
C414 (Yellow, 2 Pin)	In right roof rail module jumper harness to body harness, behind right "C" pillar trim. See Fig. 79 .
C430 (Coupe) (Black, 4 Pin)	In rear compartment lid harness to body harness, above right rear wheelhouse. See Fig. 87 .
C490 (Coupe) (Gray, 18 Pin)	In body wiring harness to roof wiring harness, behind left "C" pillar trim. See Fig. 67 .
C490 (Sedan) (Black, 18 Pin)	In body wiring harness to roof wiring harness, under left side of rear package shelf trim panel. See Fig. 81 .
C503 (Sedan) (Gray, 40 Pin)	In driver door wiring harness to driver door trim wiring harness, near left front door speaker. See Fig. 82 .
C604 (Sedan) (Black, 10 Pin)	In front passenger door trim wiring harness to front passenger door harness, near right front door speaker. See Fig. 83 .

GROUND S**GROUND S LOCATION**

Component	Location
G100	Behind right headlamp, on frame. See Fig. 70 .
G101	Behind left headlamp, on frame. See Fig. 70 .
G102	Near battery. See Fig. 34 .
G111 (3.5L & 3.9L)	On transmission to engine bolt, above starter. See Fig. 61 .
G111 (5.3L)	On transmission to engine bolt, below starter. See Fig. 62 .
G113	On front of automatic transaxle, left of G111. See Fig. 62 .
G115 (3.5L & 3.9L)	On transmission case, below brake booster. See Fig. 75 .
G115 (5.3L)	Lower front of engine, under cylinder #5 exhaust port. See Fig. 62 .
G200	Front of dash, left of G204. See Fig. 10 .

2006 Chevrolet Impala LS

2006 GENERAL MOTORS Impala & Monte Carlo

G201	Front of dash, above G202. See Fig. 10 .
G202	On right side of steering column below C201. See Fig. 10 .
G204	Right side of dash, next to G200. See Fig. 10 .
G301	Below driver door opening, rear of left A-pillar. See Fig. 65 .
G302	Below passenger front door opening, rear of right A-pillar. See Fig. 66 .
G403 (Coupe)	In rear compartment, near left "C" pillar. See Fig. 67 .
G403 (Sedan)	On left side of package shelf, near "C" pillar. See Fig. 78 .
G404 (Coupe)	On right "C" pillar, near connector C430. See Fig. 68 .
G404 (Sedan)	On right side of package shelf, near "C" pillar. See Fig. 78 .

SPLICES**SPLICES LOCATION**

Component	Location
Splice Pack SP205	Clipped to inner I/P structure, to right of steering column. See Fig. 10 .
Splice Pack SP206	On I/P harness, near steering column.
Splice Pack SP207	On I/P harness, near steering column.
S101 (3.5L & 3.9L)	In engine wiring harness, approximately 7 cm (2.75 in) from breakout to G113.
S101 (5.3L)	In engine wiring harness, approximately 5 cm (2 in) from breakout to G112. See Fig. 62 .
S105	In engine wiring harness, approximately 5.5 cm (2.25 in) from breakout to starter. See Fig. 75 .
S105 (3.5L & 3.9L)	In engine wiring harness, approximately 5 cm (2.0 in) from breakout towards starter. See Fig. 74 .
S106	On ignition control module wiring harness.
S107	On ignition control module wiring harness.
S108	In engine wiring harness, approximately 5 cm (2 in) from breakout to fuel injector 3.

2006 Chevrolet Impala LS

2006 GENERAL MOTORS Impala & Monte Carlo

	See Fig. 73 .
S109 (3.5L & 3.9L)	On fuel injector wiring harness.
S109 (5.3L)	In engine wiring harness, approximately 5 cm (2 in) from breakout to fuel injector 4. See Fig. 72 .
S115	In automatic transaxle wiring harness, approximately 9.5 cm (3.8 in) from connector C100.
S124	On forward lamp wiring harness, approximately 8 cm (3.2 in) from breakout to G100. See Fig. 70 .
S126	On right head lamp assembly wiring harness.
S127	On left head lamp assembly wiring harness.
S128	On right headlamp harness.
S129	On left headlamp harness.
S130	On ignition control module wiring harness.
S131	On ignition control module wiring harness.
S132	On ignition control module wiring harness.
S133	On ignition control module wiring harness.
S203 (Except Police)	On I/P wiring harness, approximately 11.5 cm (4.5 in) from second breakout to brake pedal position sensor. See Fig. 64 .
S203 (Police)	On I/P wiring harness, approximately 30.5 cm (12.5 in) from third breakout to brake pedal position sensor. See Fig. 64 .
S204	On steering column harness, between BCM connector C1 & ignition switch.
S212	On steering wheel harness.
S213	On steering wheel harness, behind inflatable restraint steering wheel module.
S214	On steering column harness, between C201 & turn signal/multifunction switch.
S215	In steering wheel harness, behind inflatable restraint steering wheel module.
S218	On I/P wiring harness approximately 20 cm (8 in) from breakout to remote control door lock receiver. See Fig. 64 .
S228 (Except Police)	On I/P wiring harness approximately 7.5 cm (3 in) from breakout to brake pedal

2006 Chevrolet Impala LS

2006 GENERAL MOTORS Impala & Monte Carlo

	position sensor.
S228 (Police)	On I/P wiring harness, approximately 12.5 cm (5 in) from brake pedal position sensor towards C201.
S231 (Sedan)	On floor console wiring harness, approximately 12 cm (4.75 in) from breakout to auxiliary power outlet.
S238 (Sedan)	On floor console wiring harness, approximately 5 cm (2 in) from breakout to C340.
S239	On I/P wiring harness, approximately 5 cm (2 in) from second breakout to brake pedal position sensor. See Fig. 64 .
S250	In I/P wiring harness, approximately 15.5 cm (6.25 in) from 3rd breakout to brake pedal position sensor. See Fig. 64 .
S259 (Coupe)	On I/P wiring harness, approximately 5 cm (2 in) from breakout to data link connector (DLC). See Fig. 64 .
S259 (Sedan)	On I/P wiring harness approximately 4 cm (1.5 in) from breakout to remote control door lock receiver (RCDLR) towards data link connector (DLC). See Fig. 64 .
S269	On I/P wiring harness, approximately 6.5 cm (2.5 in) from breakout to data link connector. See Fig. 64 .
S282	In I/P wiring harness, approximately 37.5 cm (15 in) from 3rd breakout to brake pedal position sensor. See Fig. 64 .
S303 (Coupe)	In body wiring harness, approximately 8.5 cm (3.5 in) from second breakout to C311.
S303 (Sedan)	In body wiring harness, approximately 8.5 cm (3.5 in) from breakout to C311. See Fig. 77 .
S307 (Sedan)	In body harness, approximately 16.5 cm (6.5 in) from breakout to C301. See Fig. 77 .
S308 (Coupe)	In Body wiring harness, approximately 24 cm (9.5 in) from second breakout to C311.
S308 (Sedan)	In body wiring harness, approximately 14 cm (5.5 in) from breakout to G301. See Fig. 77 .

2006 Chevrolet Impala LS

2006 GENERAL MOTORS Impala & Monte Carlo

S311 (Coupe)	In body wiring harness, approximately 7 cm (2.75 in) from second breakout to C302.
S311 (Sedan)	In body wiring harness, approximately 10 cm (4 in) from second breakout to C302.
S314 (Sedan)	On body wiring harness, approximately 16 cm (6.5 in) from breakout to C313. See Fig. 77 .
S315 (Sedan)	On body wiring harness, approximately 5 cm (2 in) from breakout to C313. See Fig. 77 .
S324 (Coupe)	On body harness, approximately 7 cm (2.75 in) from breakout to C405. See Fig. 81 .
S324 (Sedan)	On body harness, approximately 24 cm (9.5 in) from breakout to C405. See Fig. 81 .
S332 (Sedan)	On body harness, approximately 12 cm (4.75 in) from breakout to left seat belt pretensioner. See Fig. 77 .
S350 (Coupe)	On body harness, approximately 18 cm (7.2 in) from second breakout to C311.
S350 (Sedan)	On body harness, approximately 14.5 cm (5.75 in) from breakout to G302. See Fig. 77 .
S359 (Sedan)	On body harness, approximately 24 cm (9.5 in) from breakout to C311. See Fig. 77 .
S364 (Coupe)	On roof harness, approximately 16.5 cm (6.5 in) from second breakout to C398. See Fig. 67 .
S364 (Sedan)	On roof harness, approximately 10 cm (4 in) from breakout to C398.
S375 (Sedan)	On body harness, approximately 15 cm (6 in) from breakout to inflatable restraint sensing & diagnostic module. See Fig. 77 .
S376 (Sedan)	On body harness, approximately 22 cm (8.75 in) from breakout to center high mounted stop lamp.
S390 (Coupe)	On roof wiring harness, approximately 34 cm (13.5 in) from breakout to dome lamp. See Fig. 67 .

2006 Chevrolet Impala LS

2006 GENERAL MOTORS Impala & Monte Carlo

S390 (Sedan)	On roof wiring harness, approximately 53 cm (21 in) from breakout to dome lamp.
S393 (Coupe)	On roof wiring harness, approximately 19 cm (7.5 in) from breakout to dome lamp. See Fig. 67 .
S393 (Sedan)	On roof wiring harness, approximately 38 cm (15.25 in) from breakout to dome lamp.
S394	On body harness, approximately 15 cm (6 in) from breakout to inflatable restraint sensing & diagnostic module.
S417	On body harness, approximately 32 cm (12.75 in) from breakout to left seat belt pretensioner.
S430 (Coupe)	On rear body harness, approximately 10 cm (4 in) from breakout to right backup lamp. See Fig. 89 .
S430 (Sedan)	On rear body harness, approximately 14 cm (5.5 in) from breakout to right license lamp.
S431	On right tail lamp harness.
S470	On left tail lamp harness.
S474 (Except Police)	On body harness, approximately 17 cm (6.5 in) from breakout to C430.
S474 (Police)	On body harness, approximately 45.5 cm (18 in) from breakout to C409.
S485 (Coupe)	On rear body harness, approximately 10 cm (4 in) from breakout to license lamp. See Fig. 89 .
S485 (Sedan)	On rear body harness, approximately 24 cm (9.5 in) from breakout to license lamp.
S487	On left tail lamp harness.
S488	On right tail lamp harness.
S504 (Sedan)	On driver door trim wiring harness, approximately 4.5 cm (1.75 in) from breakout to window switch. See Fig. 82 .
S505 (Coupe)	On driver door wiring harness, approximately 20 cm (8 in) from breakout to driver's door lock switch.
S505 (Sedan)	On driver door wiring harness, approximately 18.5 cm (7.25 in) from

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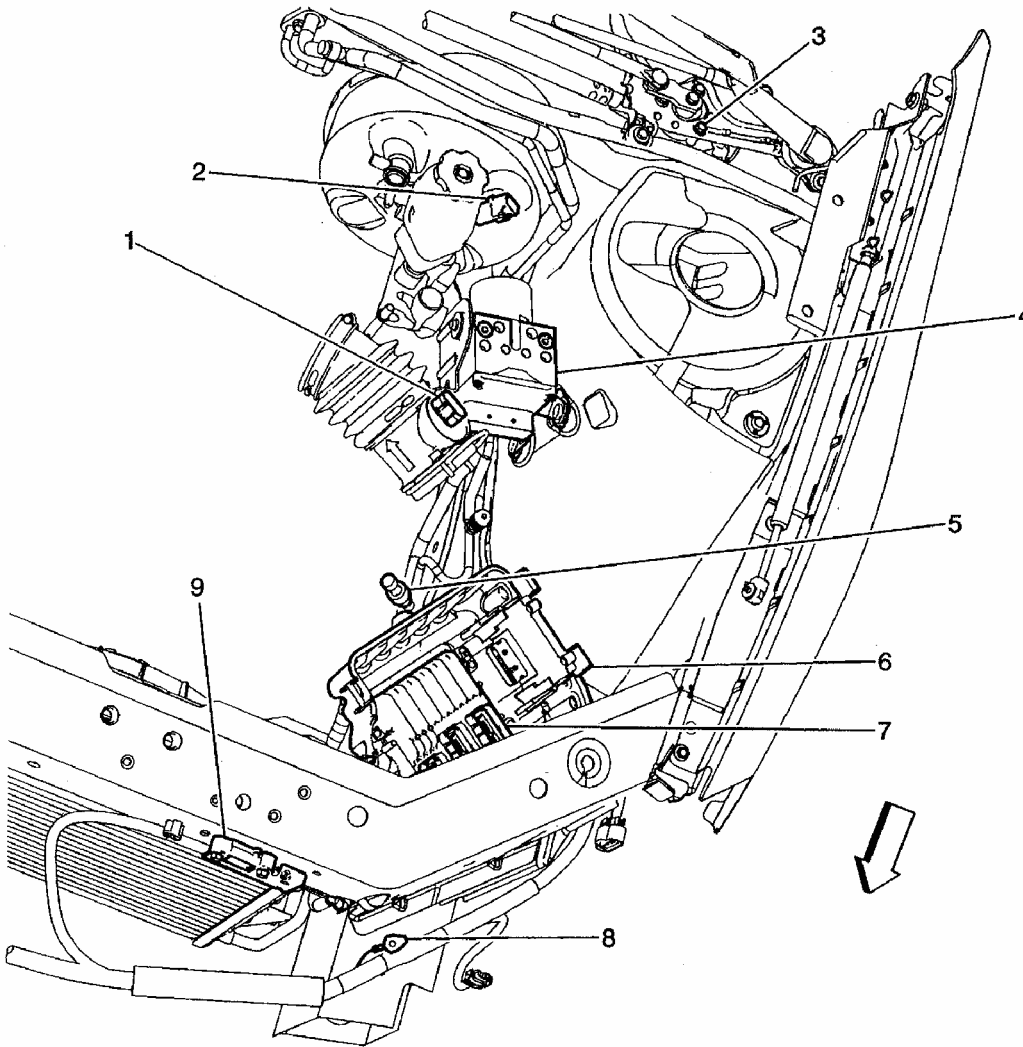
	breakout to left front door speaker. See Fig. 82 .
S506 (Coupe)	On driver door wiring harness, approximately 3.5 cm (1.5 in) from breakout to driver's outside rearview mirror.
S506 (Sedan)	On driver door trim wiring harness, approximately 11 cm (4.25 in) from breakout to driver's window switch. See Fig. 82 .
S604 (Coupe)	On front passenger door wiring harness, approximately 20 cm (8 in) from breakout to passenger's door lock switch.
S604 (Sedan)	On front passenger door wiring harness, approximately 6 cm (2.5 in) from breakout to right front speaker. See Fig. 83 .
S608 (Coupe)	On front passenger door wiring harness, approximately 3.5 cm (1.5 in) from breakout to passengers outside rearview mirror. See Fig. 83 .
S608 (Sedan)	On front passenger door trim wiring harness, approximately 6.5 cm (2.5 in) from front window switch.
S901 (Coupe)	On rear compartment lid wiring harness, approximately 11 cm (4.25 in) from breakout to center high mounted stop lamp. See Fig. 87 .
S902	In rear body harness, at decklid. See Fig. 87 .

COMPONENT LOCATION GRAPHICS

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

2006 Chevrolet Impala LS

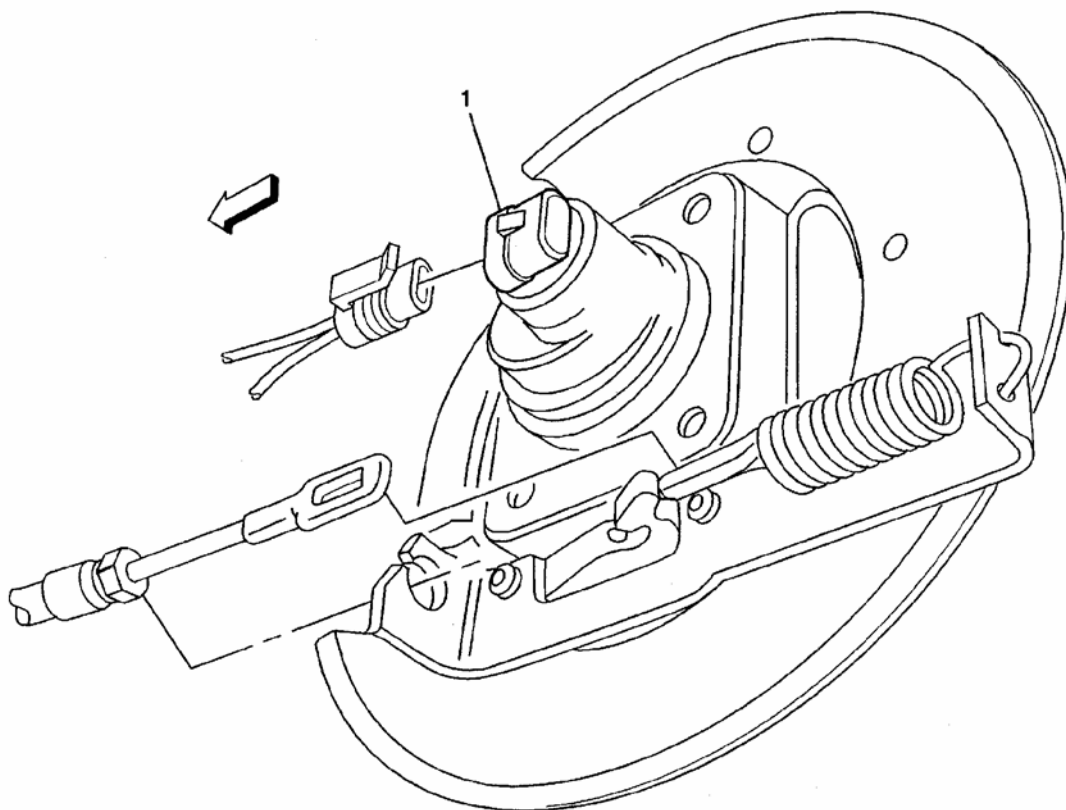
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- (1) Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor
- (2) Brake Booster Vacuum Sensor (LS4)
- (3) Windshield Wiper Motor
- (4) Electronic Brake Control Module (EBCM)
- (5) A/C Refrigerant Pressure Sensor
- (6) Transmission Control Module (TCM)
- (7) Engine Control Module (ECM)
- (8) G101
- (9) Inflatable Restraint Front End Sensor - Left

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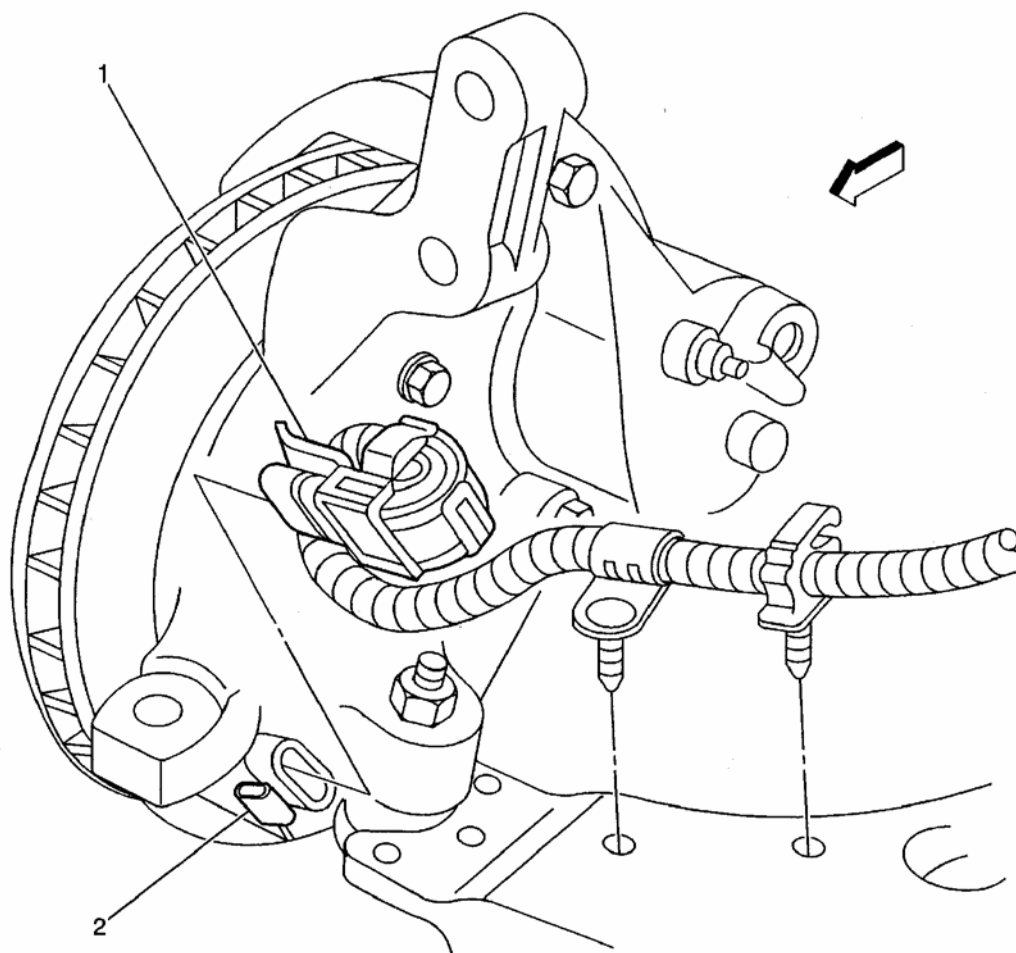
Fig. 1: Left Front Of Engine Compartment
Courtesy of GENERAL MOTORS CORP.



(1) Wheel Speed Sensor (WSS) - RR (Wheel Speed Sensor (WSS) - LR Similar)

G00421540

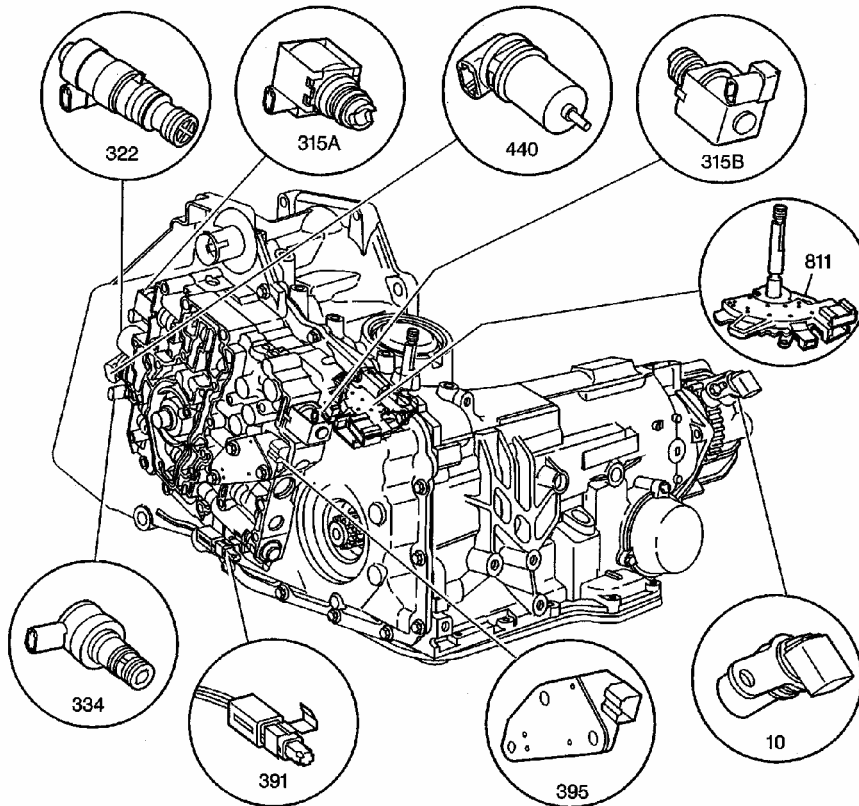
Fig. 2: Right Rear Hub Assembly
Courtesy of GENERAL MOTORS CORP.



(1) Wheel Speed Sensor (WSS) - RF (Wheel Speed Sensor (WSS) - LF Similar)

G00421641

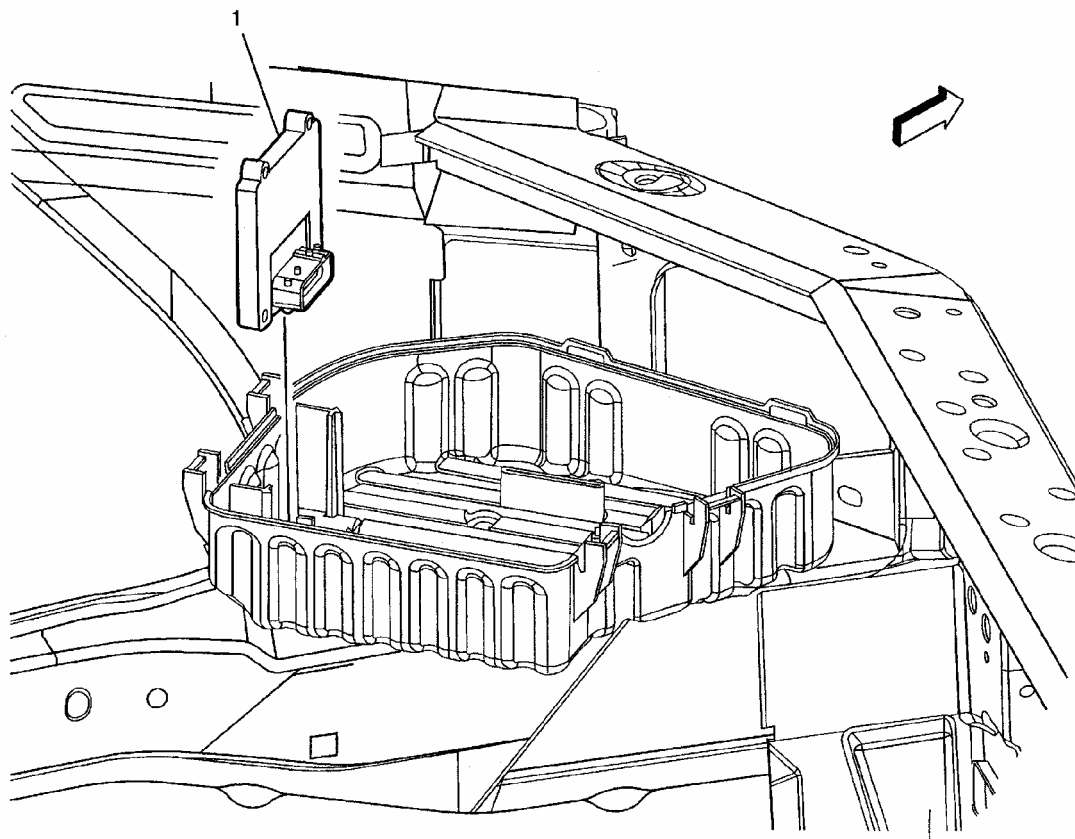
Fig. 3: Right Front Hub Assembly
Courtesy of GENERAL MOTORS CORP.



- (10) Vehicle Speed Sensor (VSS) Assembly
- (315a) 1-2, 3-4 Shift Solenoid (SS) Valve Assembly
- (315b) 2-3 Shift Solenoid (SS) Valve Assembly
- (322) Pressure Control (PC) Solenoid Valve Assembly
- (334) Torque Converter Clutch Pulse Width Modulation (TCC PWM) Solenoid Valve Assembly
- (391) Transmission Fluid Temperature (TFT) Sensor
- (395) Transmission Fluid Pressure (TFP) Manual Valve Position Switch Assembly
- (440) Automatic Transmission Input Shaft Speed (A/T ISS) Sensor Assembly
- (811) Lever Assembly-Manual Shaft Detent with Shift Position Switch - Internal Mode Switch (IMS)

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Fig. 4: Transmission Assembly
Courtesy of GENERAL MOTORS CORP.



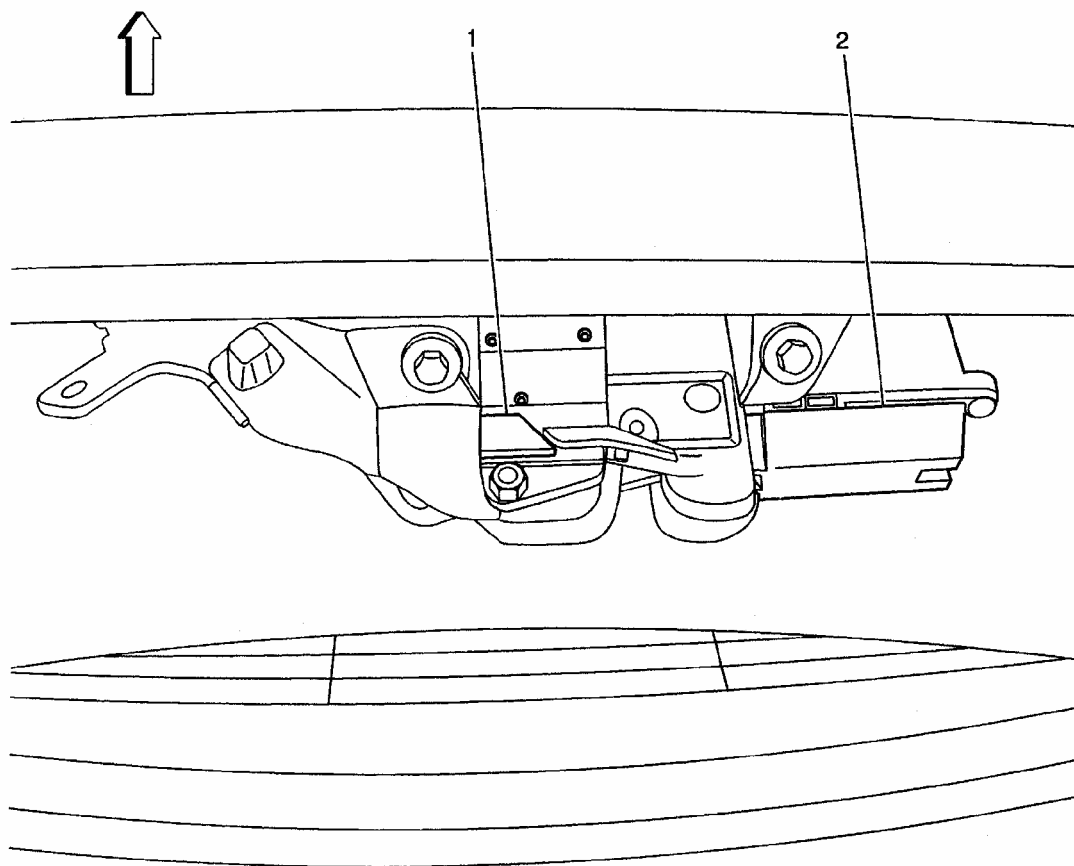
(1) Transmission Control Module

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

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(1) Rear Compartment Lid Ajar Switch (Coupe)

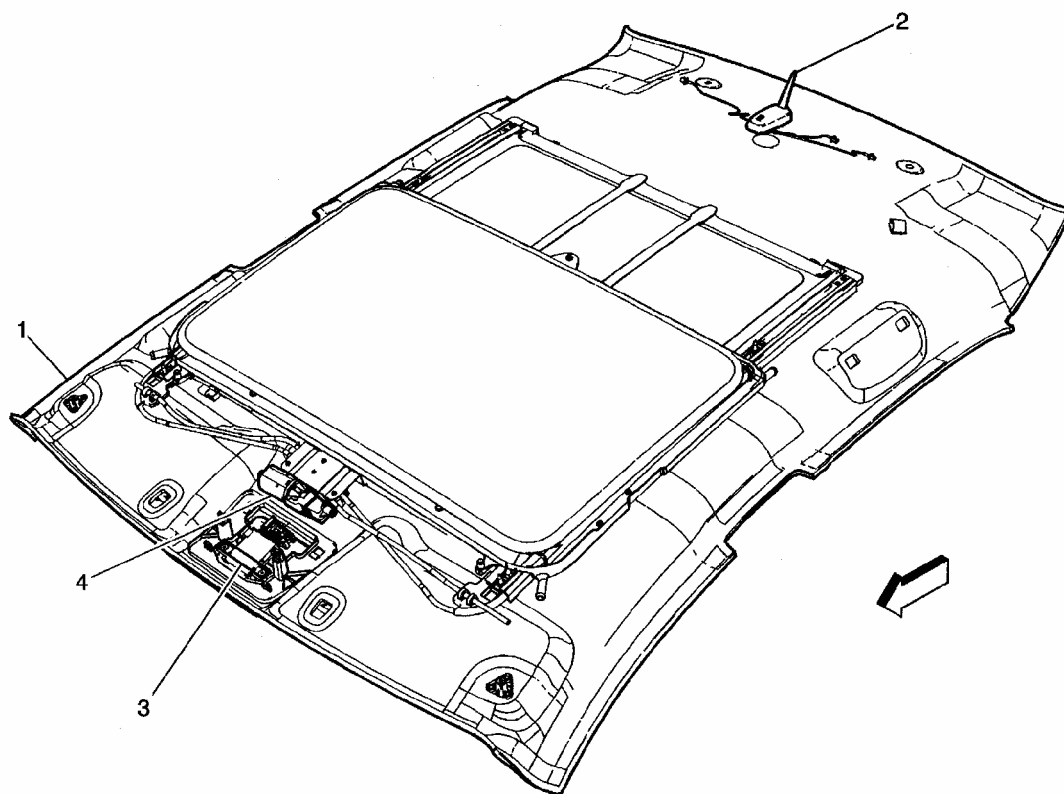
(2) Rear Compartment Lid Release Actuator

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Fig. 6: Body Rear End Component Views
Courtesy of GENERAL MOTORS CORP.

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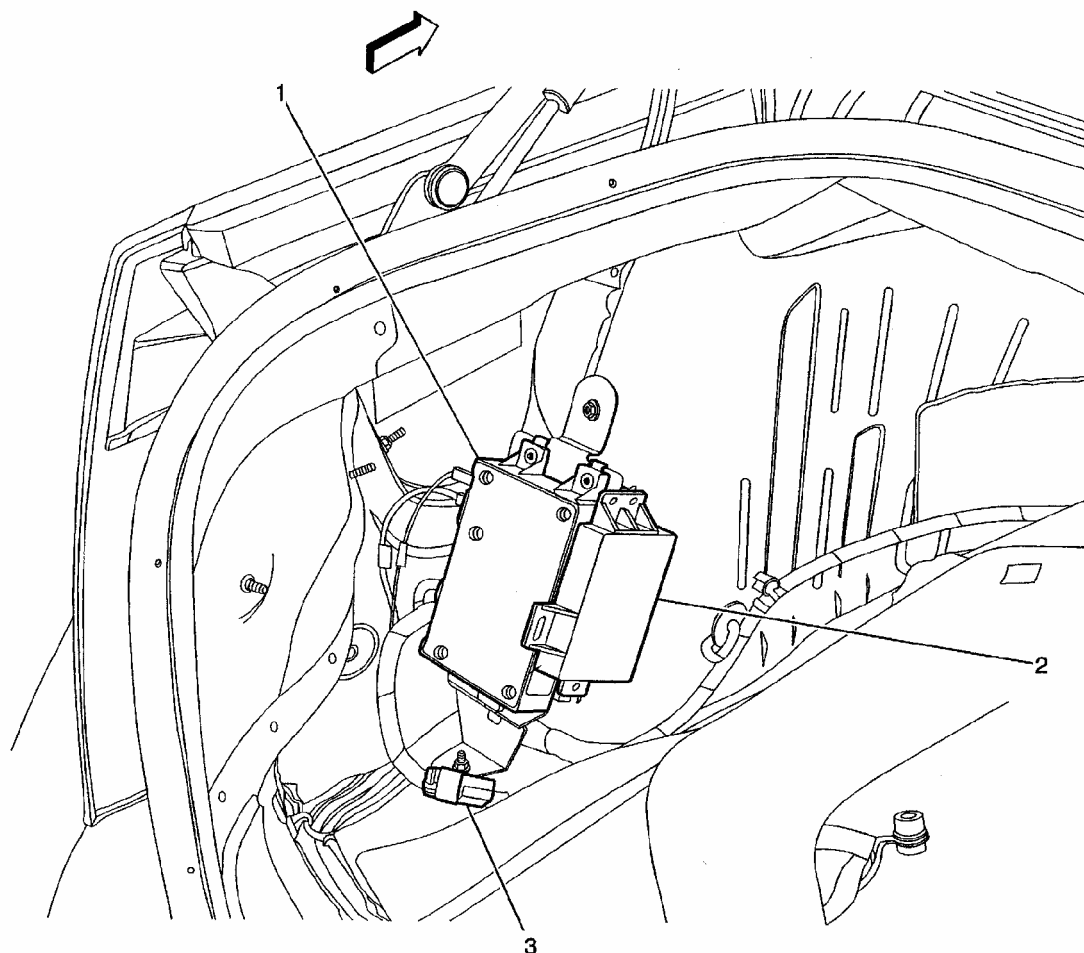
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- (1) Headliner
- (2) Cellular Navigation and Digital Radio Antenna (UE1, U2K)
- (3) Inflatable Restraint Passenger Air Bag On/Off Indicator (Coupe)
- (4) Sunroof Motor (CF5)

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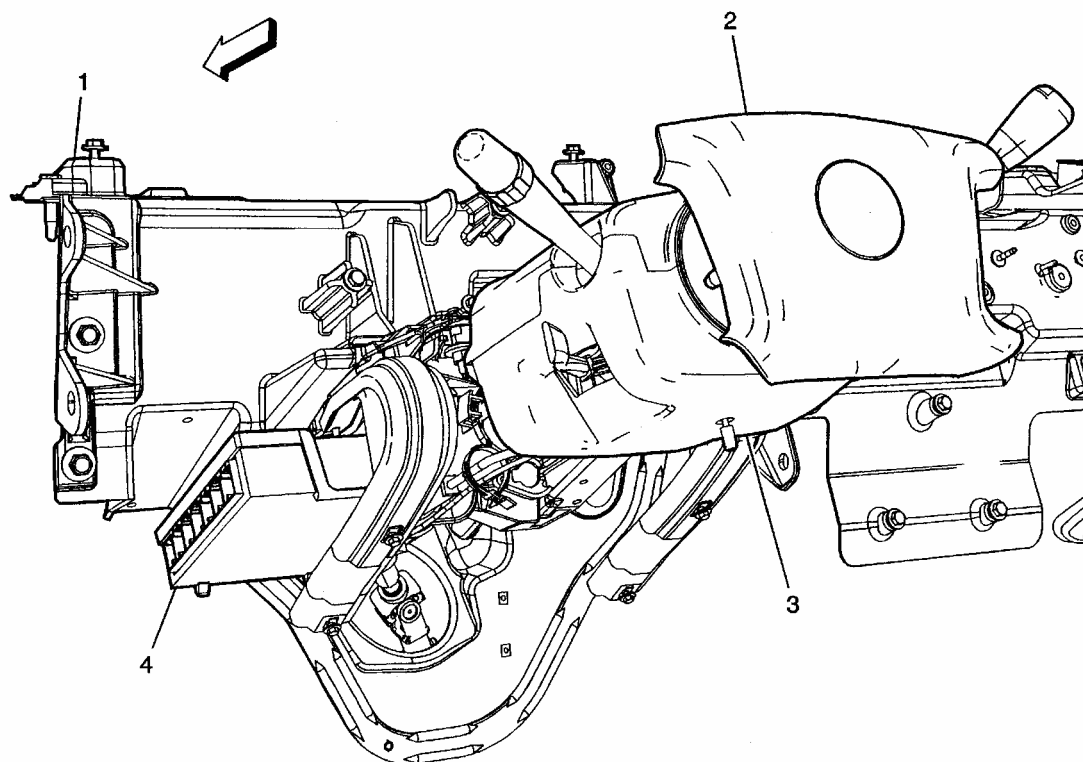
Fig. 7: Headliner Components
Courtesy of GENERAL MOTORS CORP.



- (1) Vehicle Communication Interface Module (VCIM) (UE1)
- (2) Backup Battery (UE1 Late Production)
- (3) Terminator Resistor (w/UE1)

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Fig. 8: Left Side Of Rear Compartment
Courtesy of GENERAL MOTORS CORP.



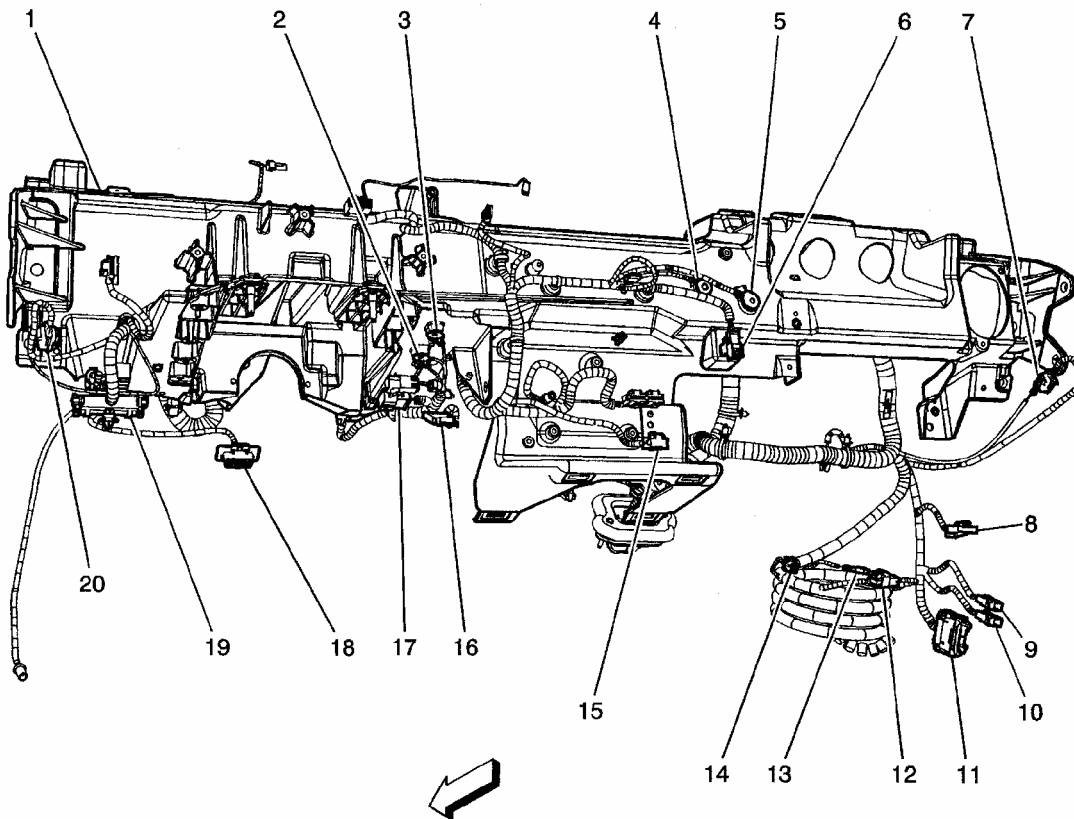
- (1) I/P Carrier
- (2) Inflatable Restraint Steering Wheel Module
- (3) Steering Column
- (4) Body Control Module (BCM)

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Fig. 9: Steering Column Assembly
Courtesy of GENERAL MOTORS CORP.

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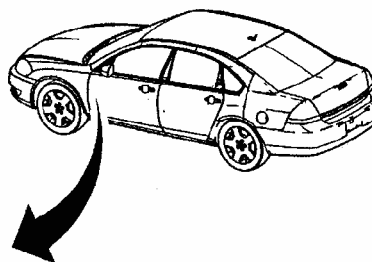
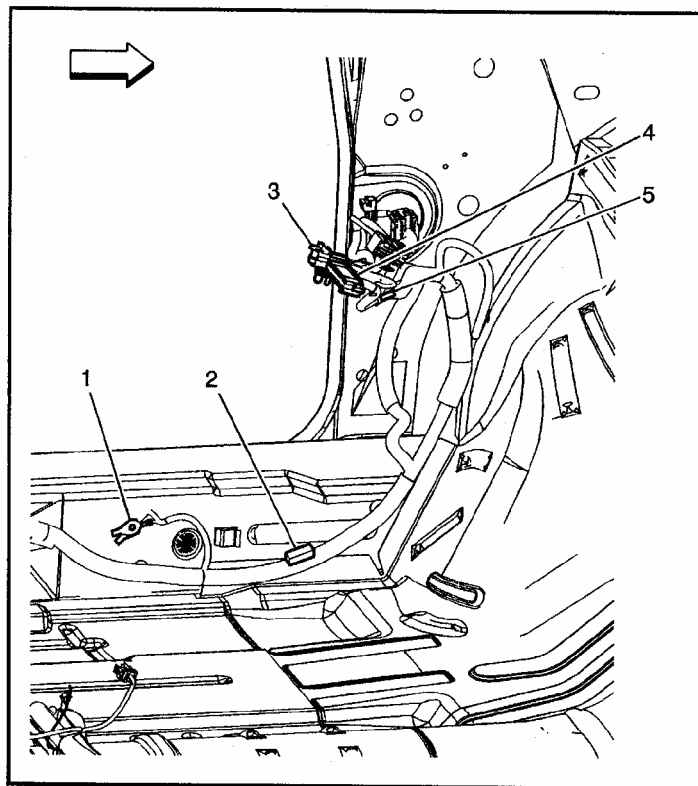
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- | | |
|--|--------------------------------|
| (1) I/P Carrier | (9) C360 (9C1 and 9C3) |
| (2) G202 | (10) C362 (9C1 and 9C3) |
| (3) G201 | (11) C200 |
| (4) G200 | (12) C267 (9C1 and 9C3) |
| (5) G204 (9C1, 9C3) | (13) C266 (9C1 and 9C3) |
| (6) C210 | (14) C297 (9C1 and 9C3) |
| (7) Spot Lamp - Right Connector (9C1, 9C3) | (15) HVAC Control Module C2 |
| (8) Fuse Block - I/P C2 | (16) Splice Pack SP205 |
| | (17) C201 |
| | (18) Data Link Connector (DLC) |
| | (19) C203 |
| | (20) C250 |

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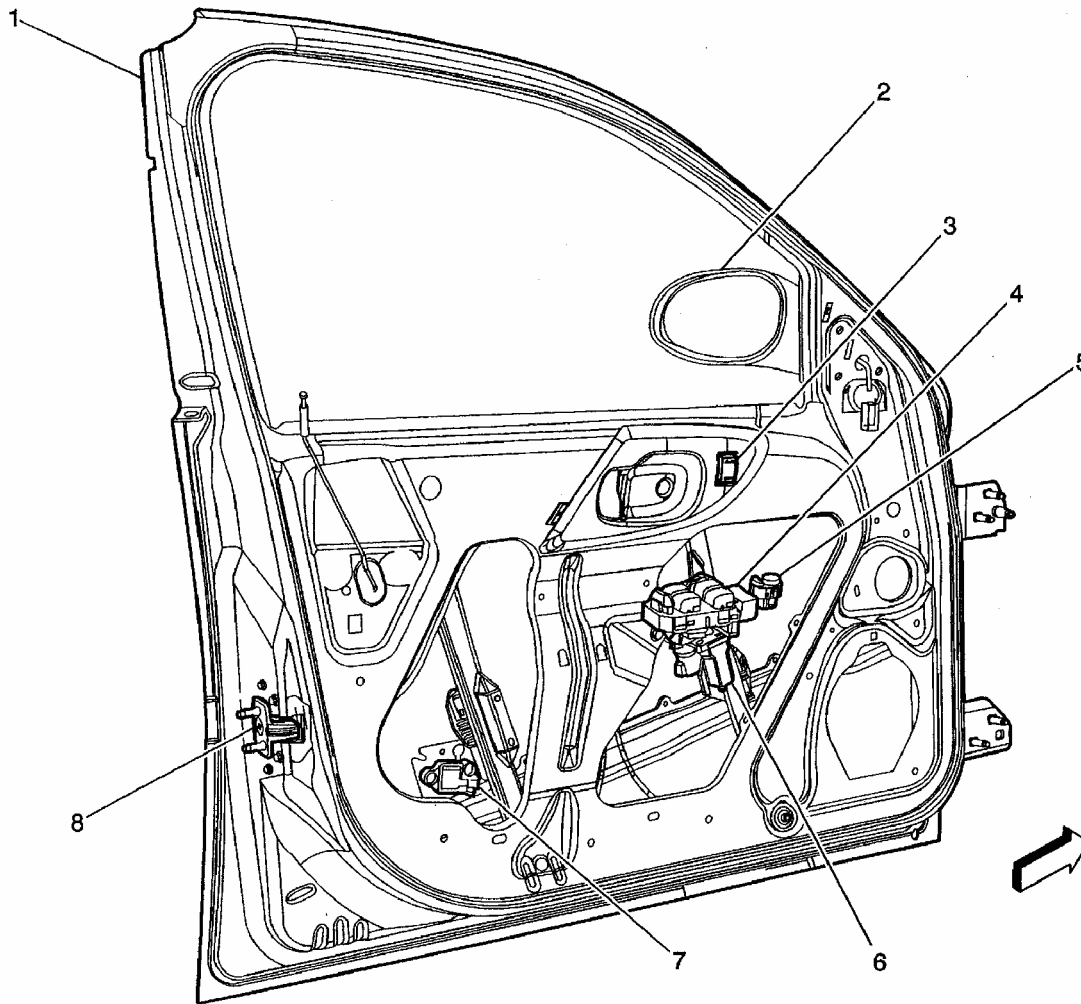
Fig. 10: Dash Harness
Courtesy of GENERAL MOTORS CORP.



- (1) G301
- (2) C223 - Taped to Harness (9C1,9C3)
- (3) C250
- (4) C203
- (5) Terminator Resistor--Taped to Harness (w/o UE1)

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Fig. 11: Lower Left Side Of Dash
Courtesy of GENERAL MOTORS CORP.



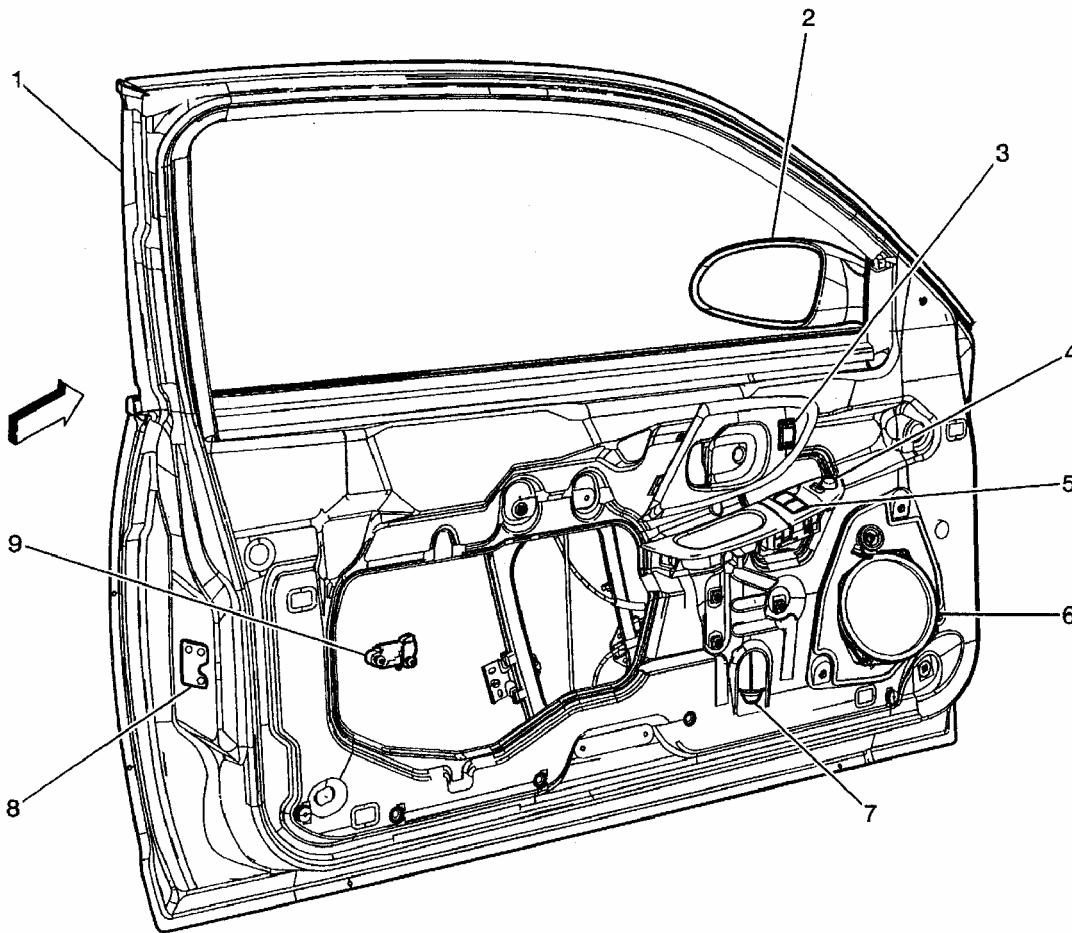
- (1) Door Frame
- (2) Outside Rearview Mirror - Driver
- (3) Door Lock Switch - Driver
- (4) Window Switch - Driver
- (5) Outside Rearview Mirror Switch
- (6) Window Motor - Driver
- (7) Inflatable Restraint Side Impact Sensor (SIS) Left (AY1)
- (8) Door Lock - Driver

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Fig. 12: Driver Door (Sedan)
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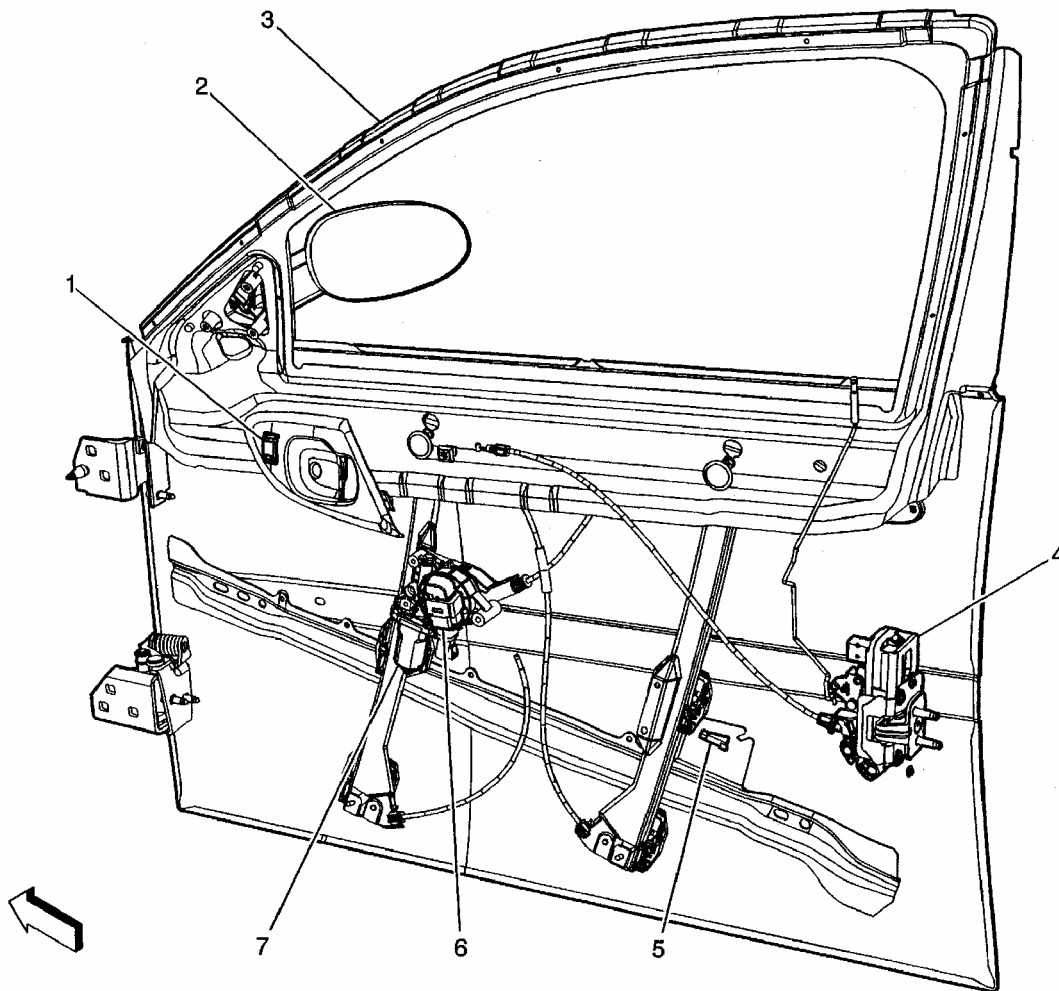
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- (1) Door Frame
- (2) Outside Rearview Mirror - Driver
- (3) Door Lock Switch - Driver
- (4) Outside Rearview Mirror Switch
- (5) Window Switch - Driver
- (6) Speaker - LF Door
- (7) Window Motor - Driver
- (8) Door Lock Actuator - Driver
- (9) Inflatable Restraint Side Impact Sensor (SIS) Left

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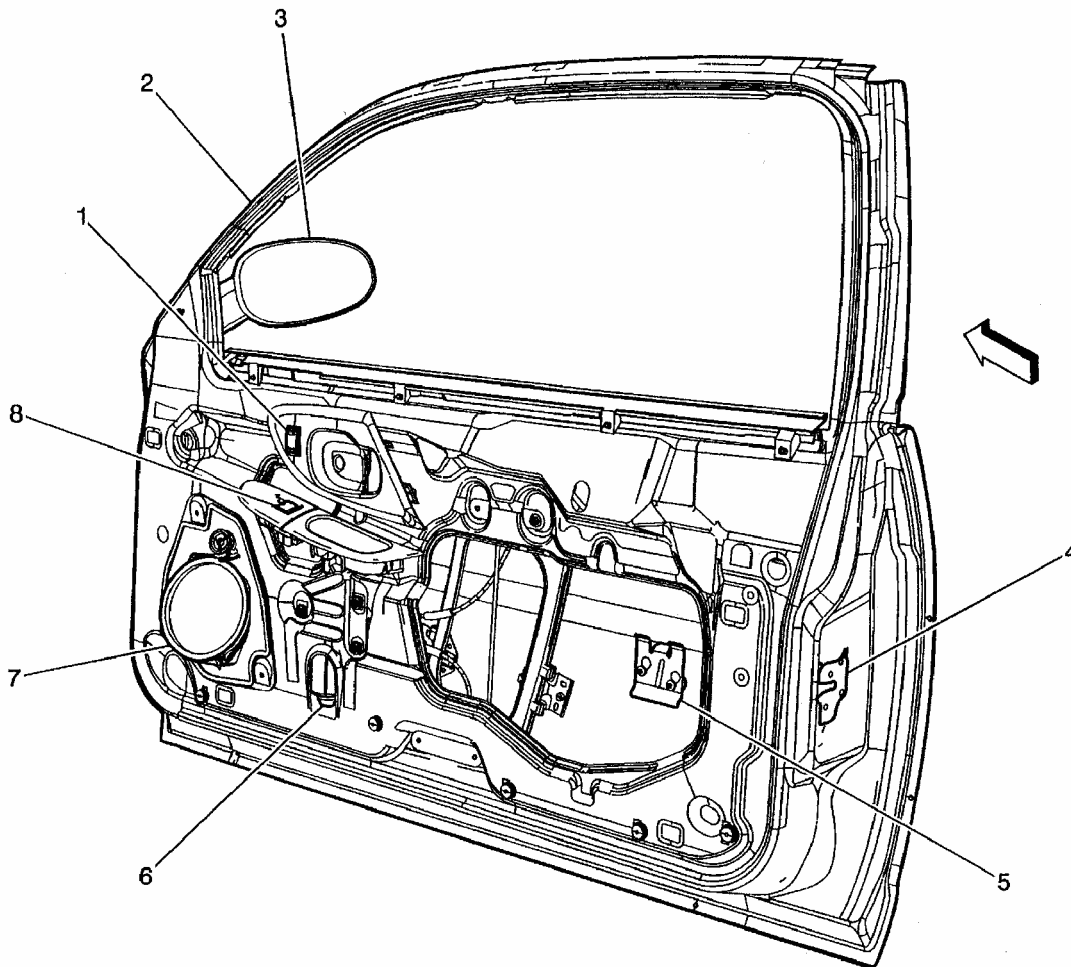
Fig. 13: Left Front Door (Coupe)
Courtesy of GENERAL MOTORS CORP.



- (1) Door Lock Switch - Front Passenger
- (2) Outside Rearview Mirror - Passenger
- (3) Door Frame
- (4) Door Lock - Front Passenger
- (5) Inflatable Restraint Side Impact Sensor (SIS) Right (AY1)
- (6) Window Switch - Front Passenger
- (7) Window Motor - Front Passenger

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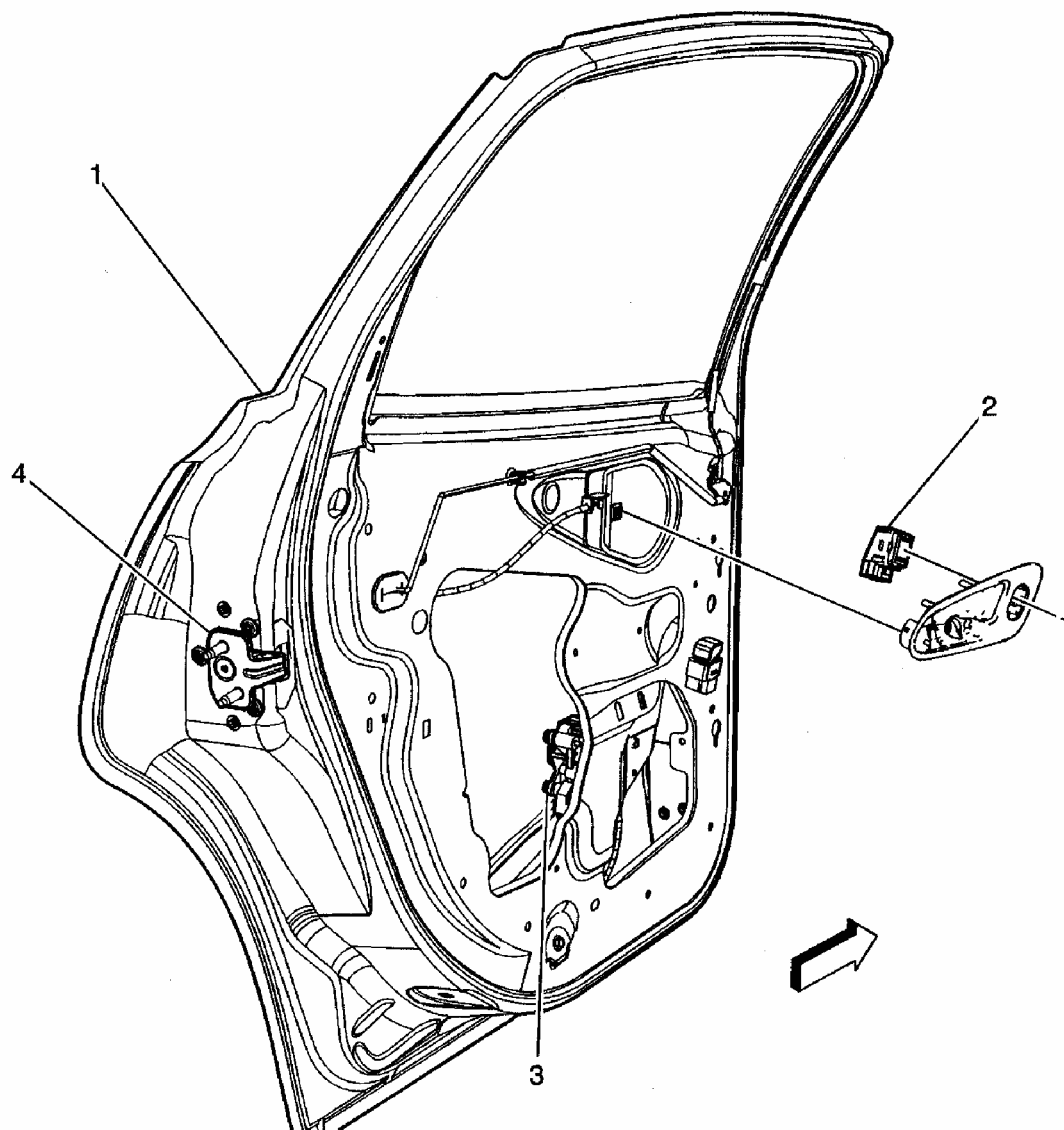
Fig. 14: Front Passenger Door (Sedan)
Courtesy of GENERAL MOTORS CORP.



- (1) Door Lock Switch - Passenger
- (2) Door Frame
- (3) Outside Rearview Mirror - Passenger
- (4) Door Lock Actuator - Passenger
- (5) Inflatable Restraint Side Impact Sensor (SIS) Right (AJ7)
- (6) Window Motor - Front Passenger
- (7) Speaker - RF Door
- (8) Window Switch - Passenger

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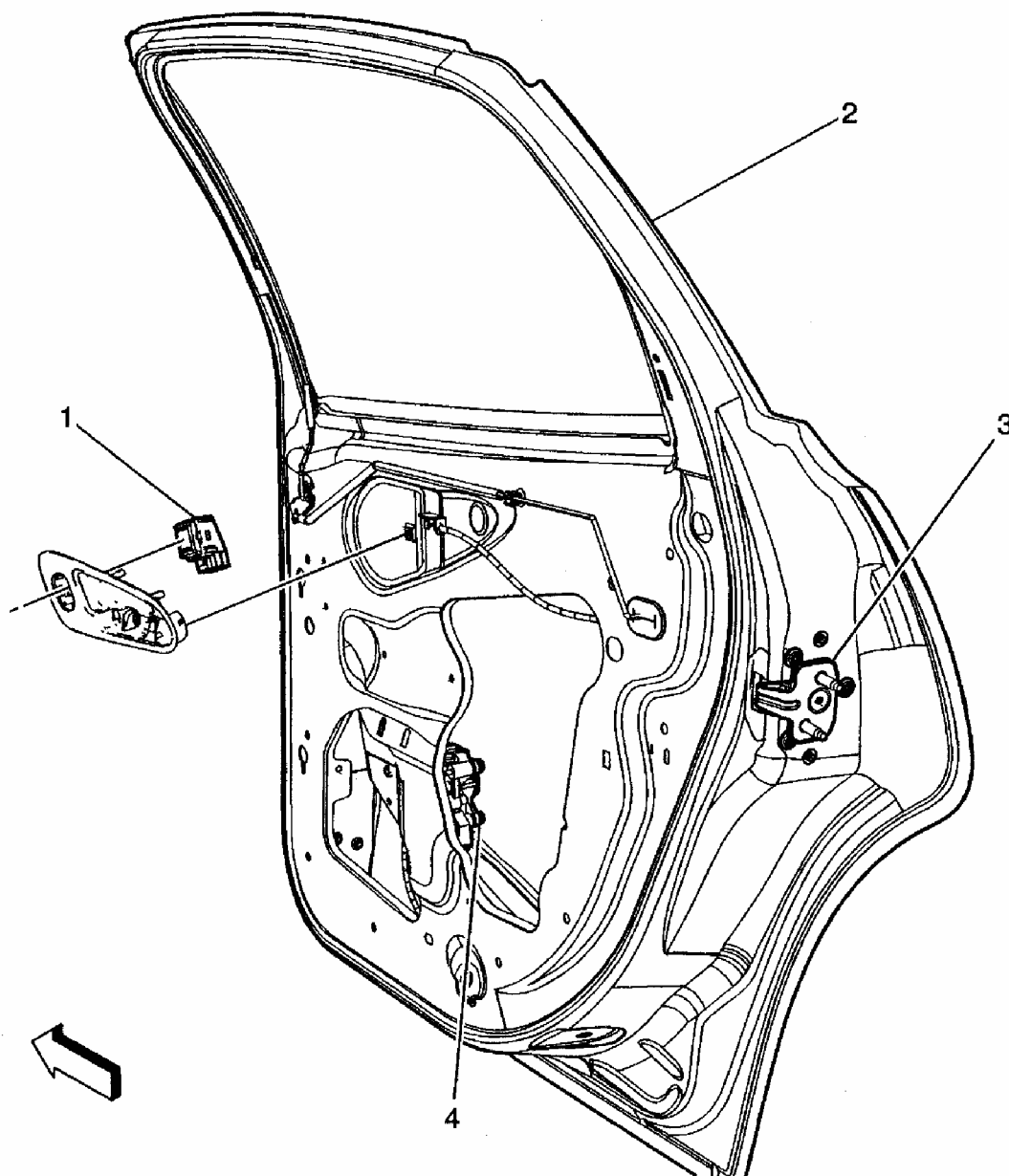
Fig. 15: Right Front Door Components (Coupe)
Courtesy of GENERAL MOTORS CORP.



- (1) Door Frame
- (2) Window Switch - LR
- (3) Window Motor - LR
- (4) Door Lock - LR

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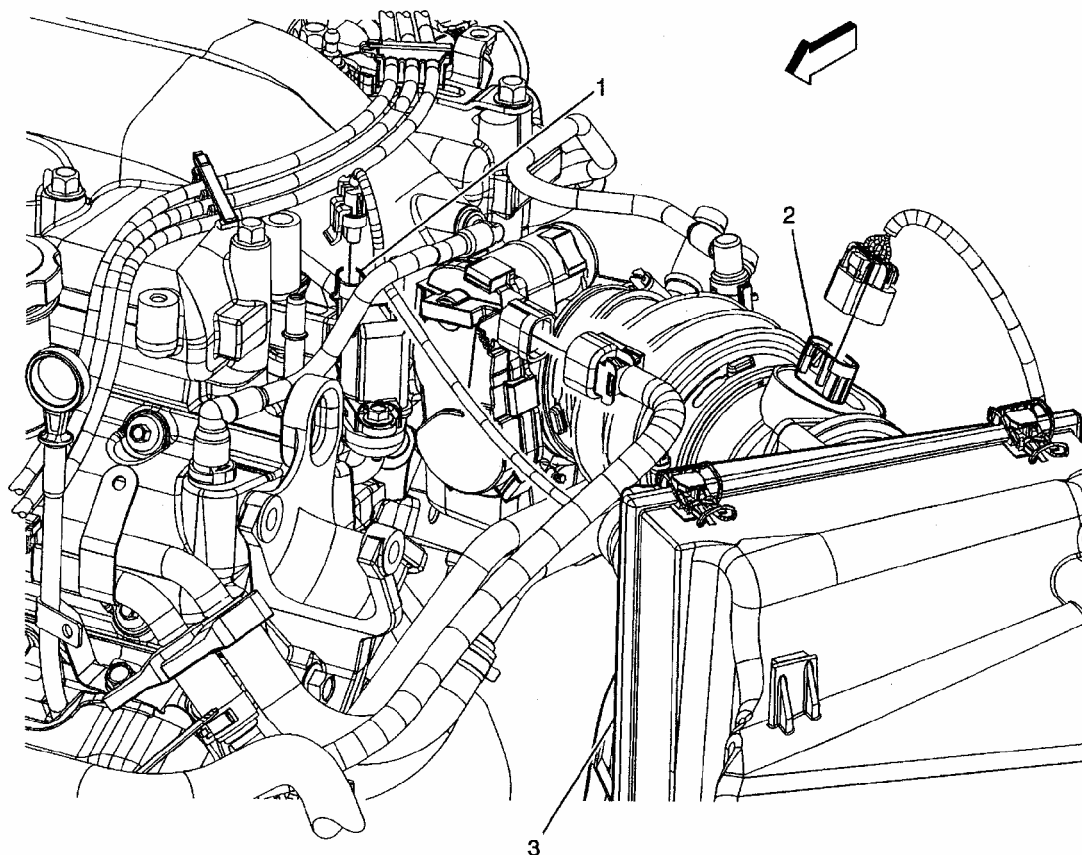
Fig. 16: Left Rear Door (Sedan)
Courtesy of GENERAL MOTORS CORP.



- (1) Window Switch - RR
- (2) Door Frame
- (3) Door Lock - RR
- (4) Window Motor - RR

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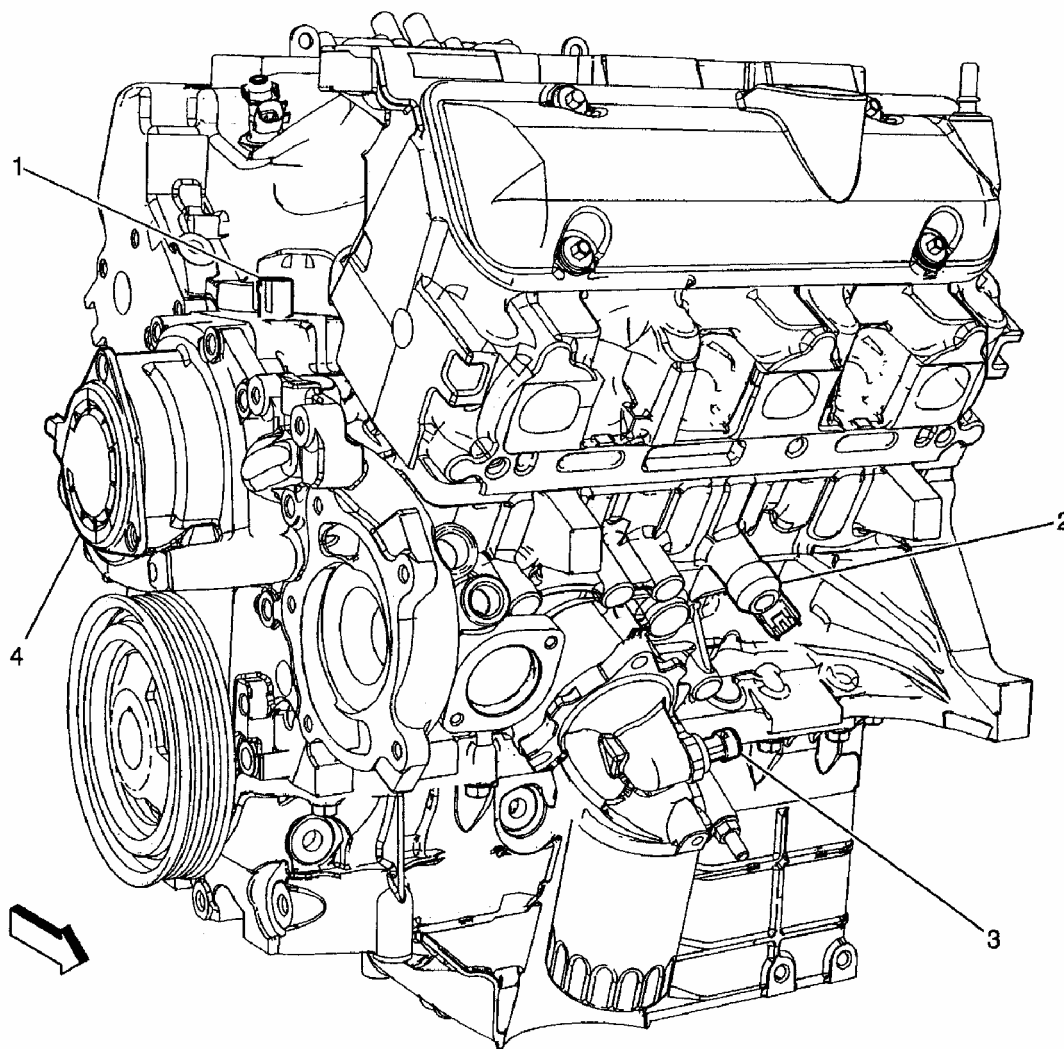
Fig. 17: Right Rear Door (Sedan)
Courtesy of GENERAL MOTORS CORP.



- (1) Evaporative Emission (EVAP) Canister Purge Solenoid Valve
- (2) Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor
- (3) Air Cleaner Housing

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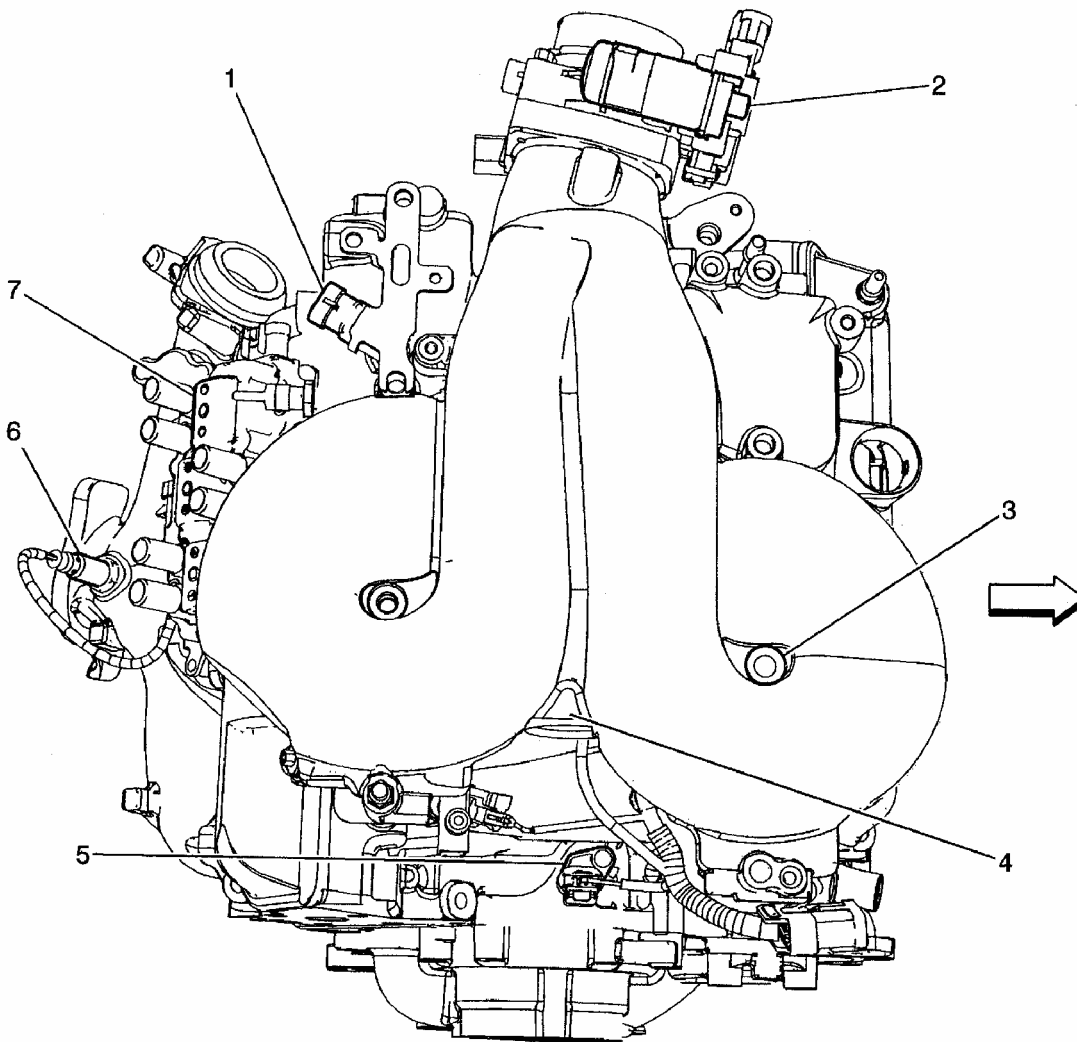
Fig. 18: Top Of Engine (3.5L & 3.9L)
Courtesy of GENERAL MOTORS CORP.



- (1) Camshaft Position (CMP) Sensor
- (2) Knock Sensor (KS) Bank 2
- (3) Engine Oil Pressure (EOP) Sensor
- (4) Camshaft Position Actuator Solenoid

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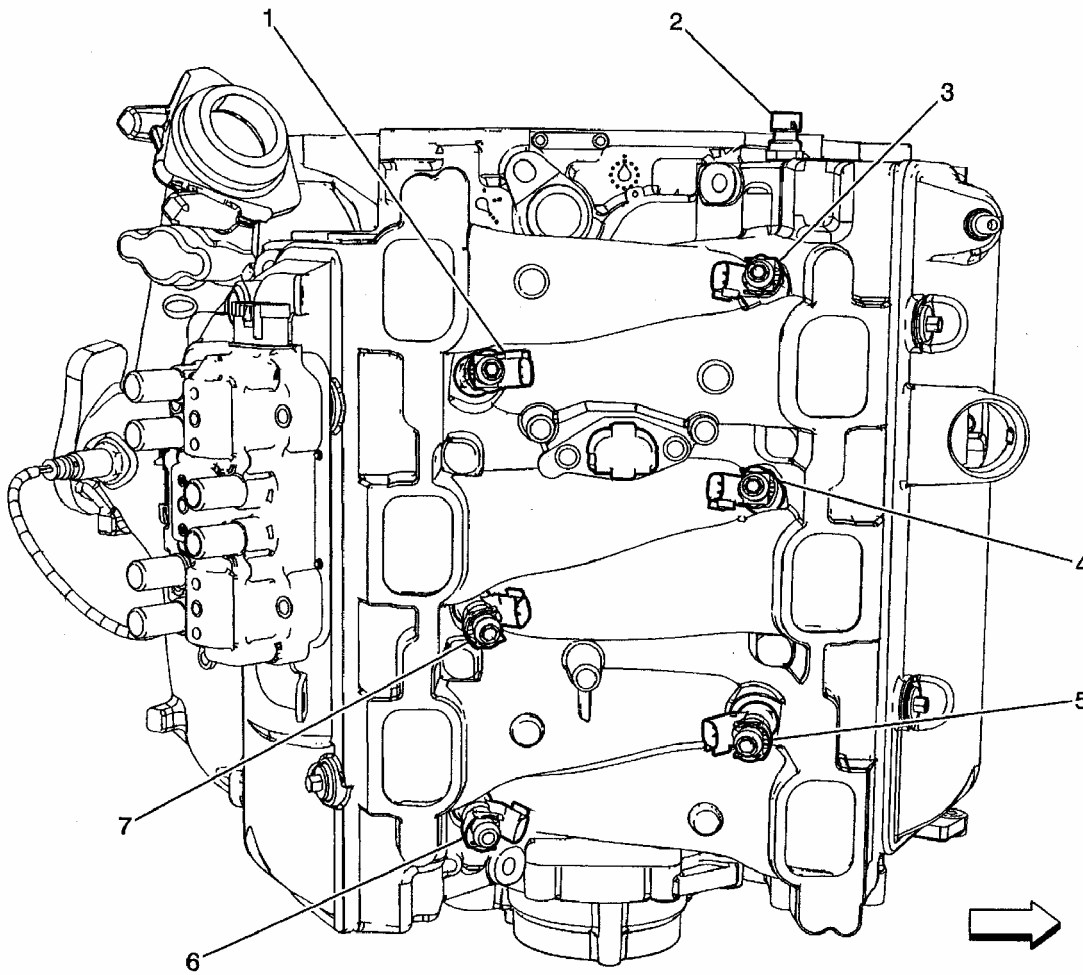
Fig. 19: Front Of Engine (3.5L & 3.9L)
Courtesy of GENERAL MOTORS CORP.



- (1) Manifold Absolute Pressure (MAP) Sensor
- (2) Throttle Body
- (3) Intake Manifold
- (4) Intake Manifold Tuning (IMT) Valve Solenoid (LZ9)
- (5) Camshaft Position Actuator Solenoid
- (6) Heated Oxygen Sensor (HO2S) 1
- (7) Ignition Control Module (ICM)

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Fig. 20: Top Of Engine (3.5L & 3.9L)
Courtesy of GENERAL MOTORS CORP.



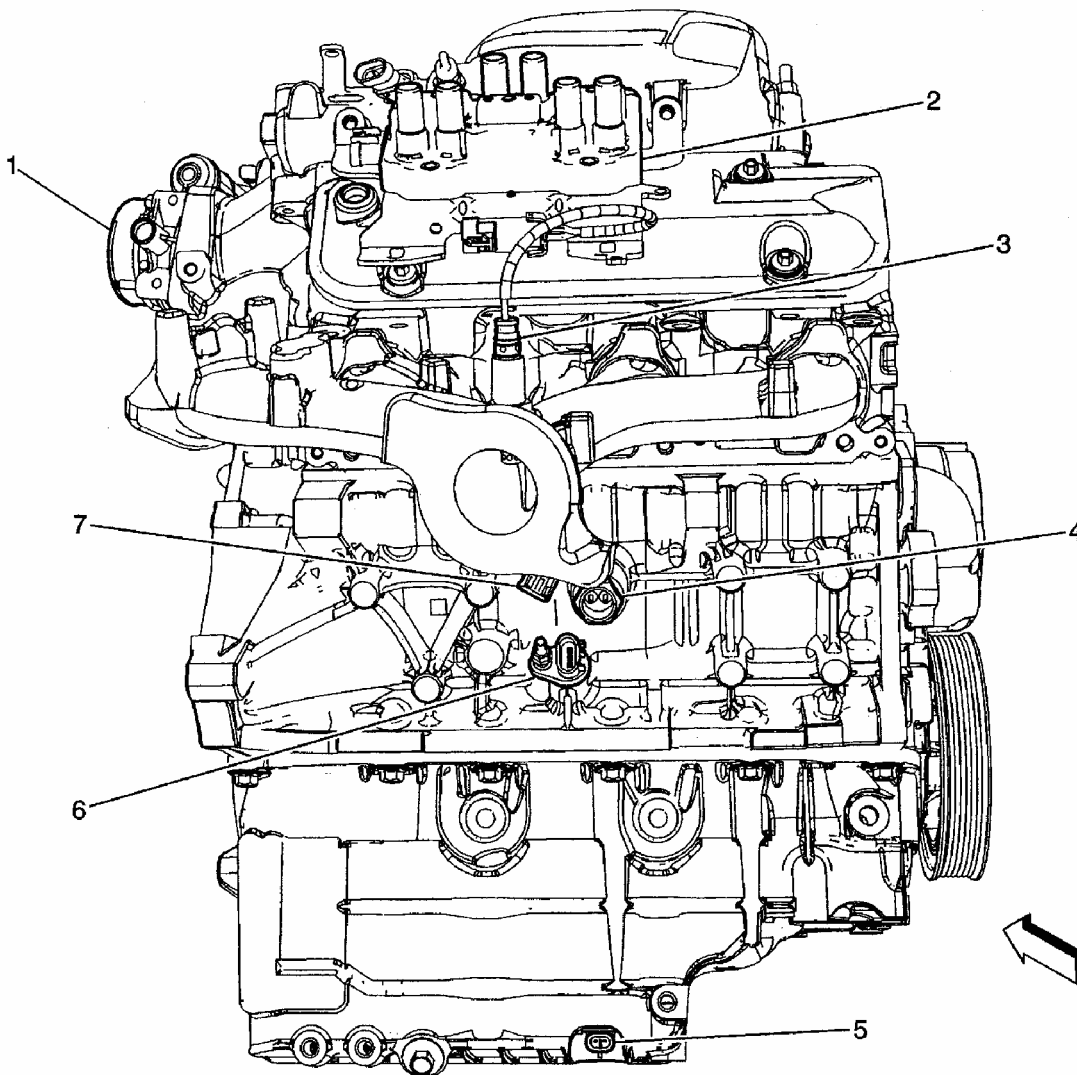
- (1) Fuel Injector 5
- (2) Engine Coolant Temperature (ECT) Sensor
- (3) Fuel Injector 6
- (4) Fuel Injector 4
- (5) Fuel Injector 2
- (6) Fuel Injector 1
- (7) Fuel Injector 3

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Fig. 21: Top Of Engine (3.5L & 3.9L)
Courtesy of GENERAL MOTORS CORP.

2006 Chevrolet Impala LS

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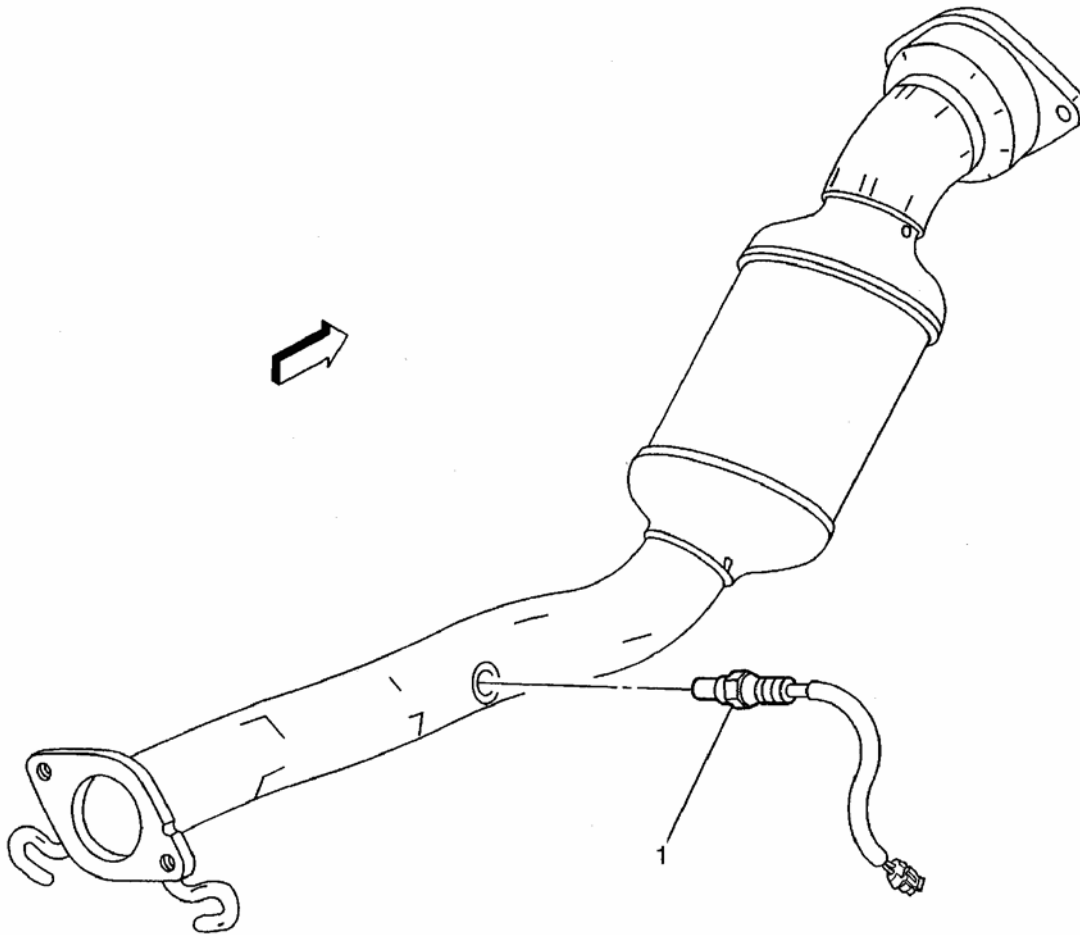
- (1) Throttle Body
- (2) Ignition Control Module (ICM)
- (3) Heated Oxygen Sensor (HO2S) 1
- (4) Engine Coolant Heater
- (5) Engine Oil Level Switch
- (6) Crankshaft Position (CKP) Sensor
- (7) Knock Sensor (KS) Bank 1

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Fig. 22: Right Side Of Engine (3.5L & 3.9L)
Courtesy of GENERAL MOTORS CORP.

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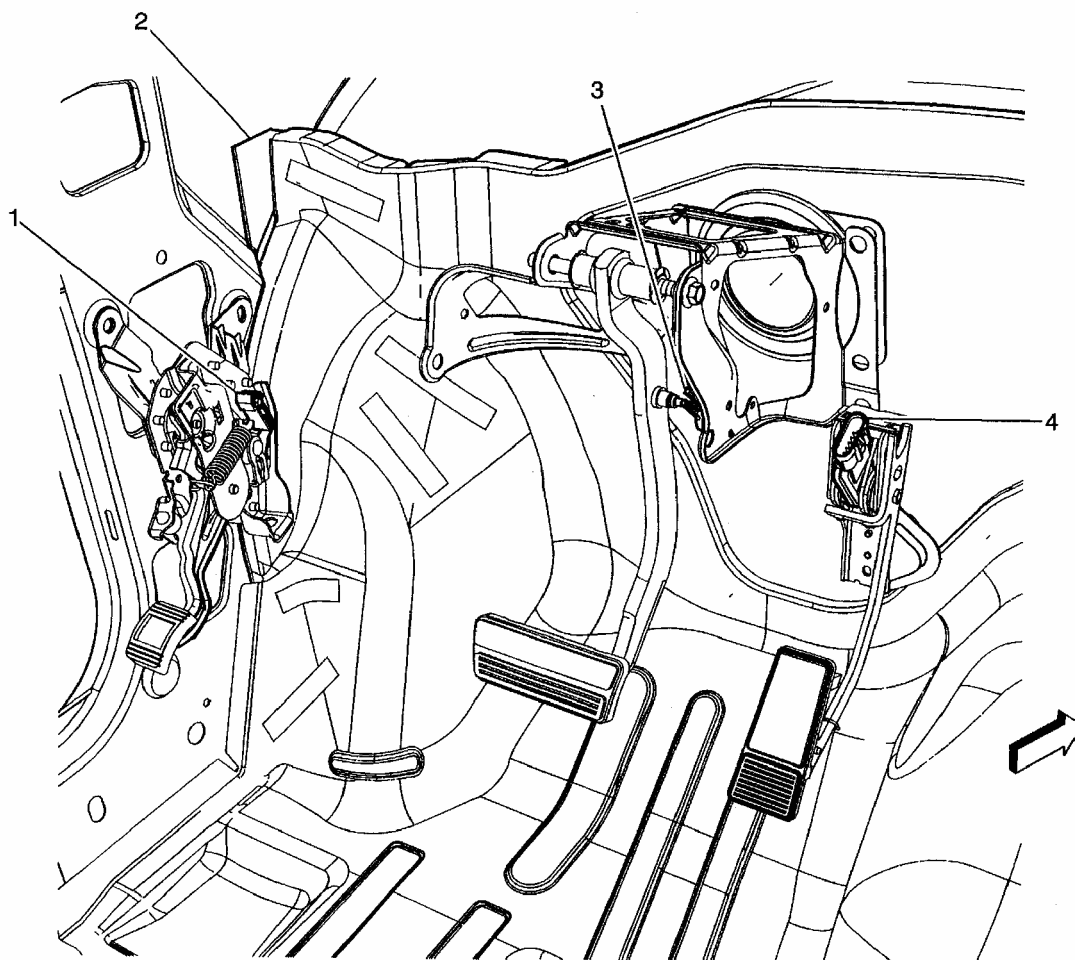
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(1) Heated Oxygen Sensor (HO2S) 2

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Fig. 23: Exhaust
Courtesy of GENERAL MOTORS CORP.



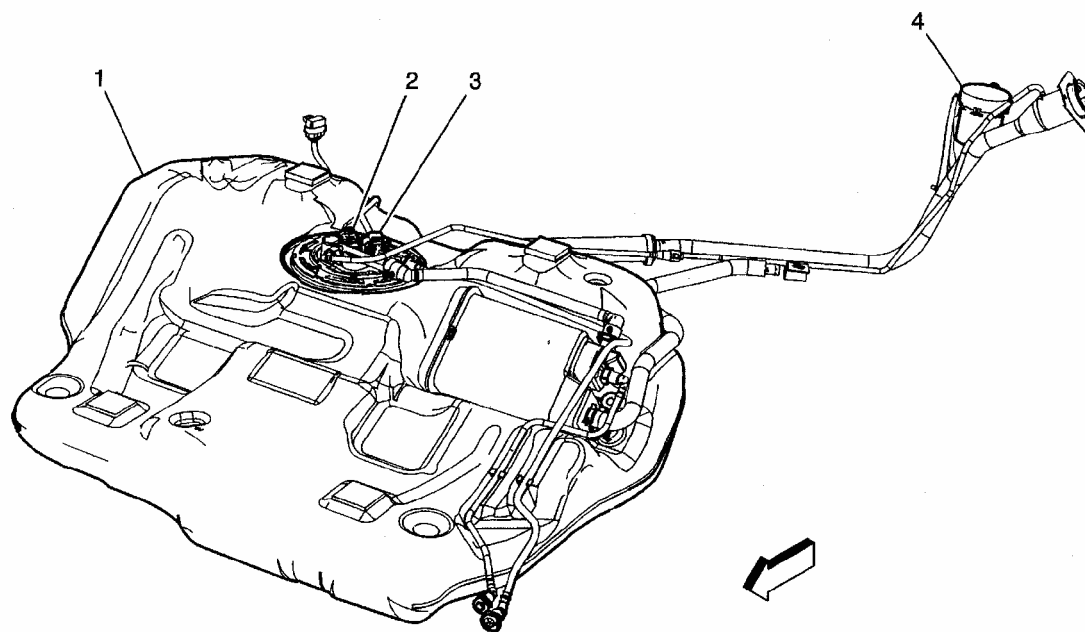
- (1) Park Brake Switch
- (2) Dash Panel
- (3) Brake Pedal Position Sensor
- (4) Accelerator Pedal Position (APP) Sensor

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Fig. 24: Pedal Assembly
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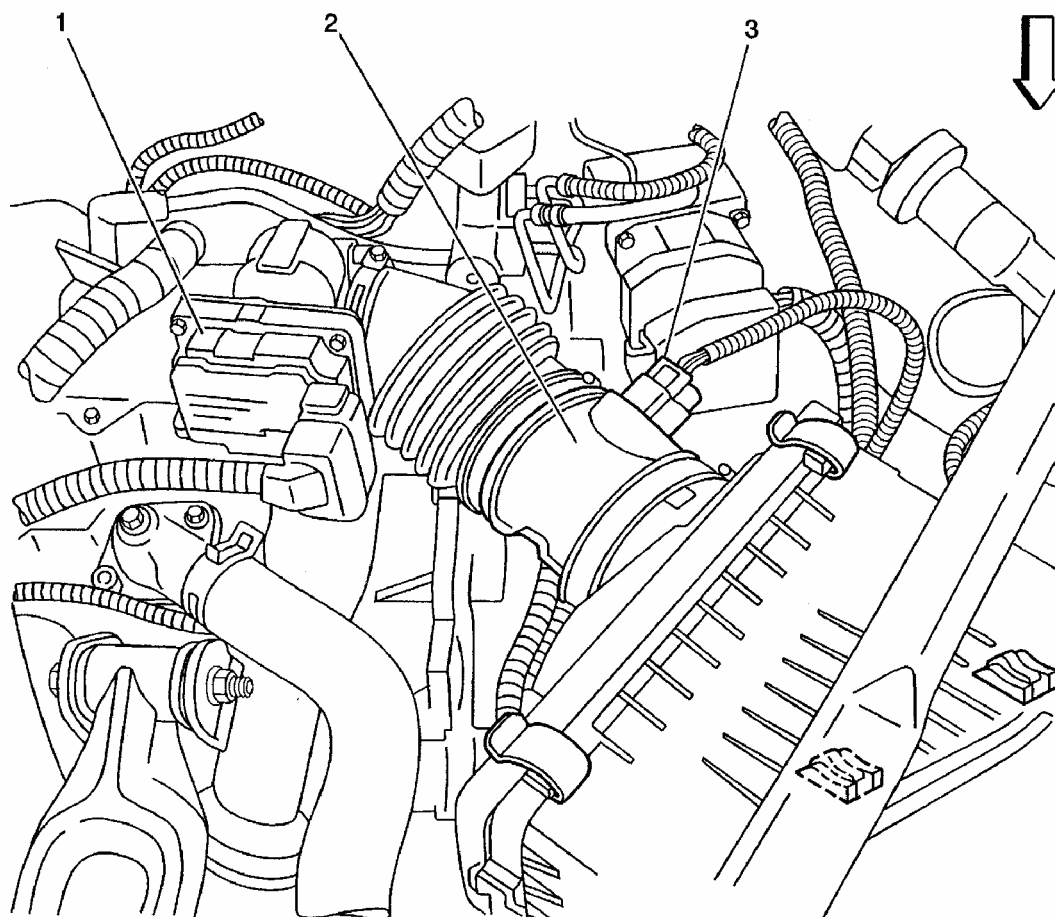
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- (1) Fuel Tank
- (2) Fuel Pump and Sender Assembly
- (3) Fuel Tank Pressure (FTP) Sensor
- (4) Evaporative Emission (EVAP) Canister Vent Solenoid

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Fig. 25: Fuel Tank Assembly
Courtesy of GENERAL MOTORS CORP.



(1) Throttle Body

(2) Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor

(3) Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor Connector

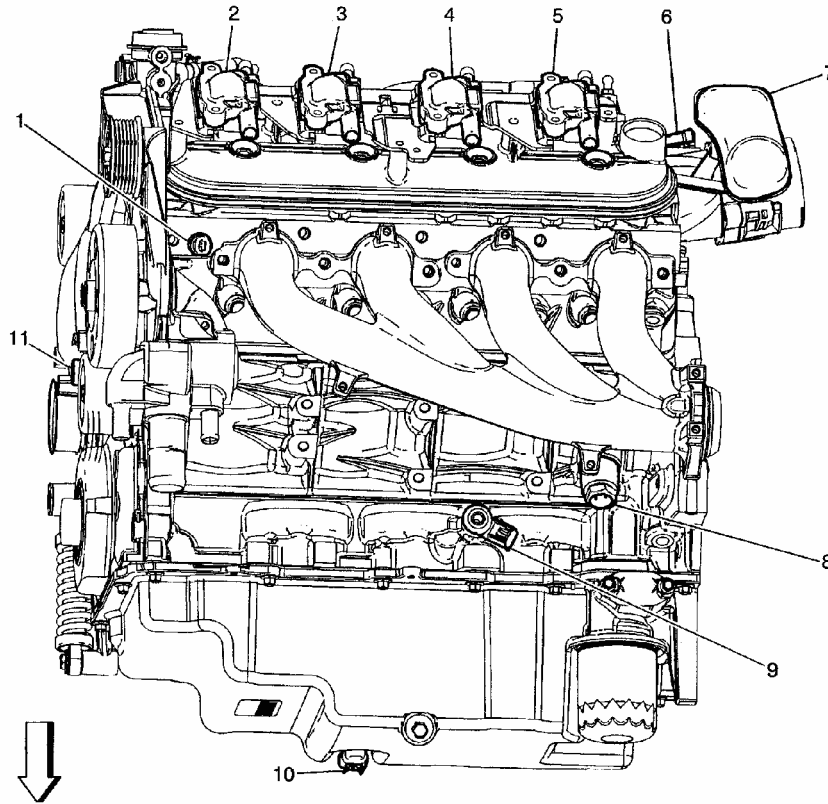
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Fig. 26: Top Of Engine

Courtesy of GENERAL MOTORS CORP.

2006 Chevrolet Impala LS

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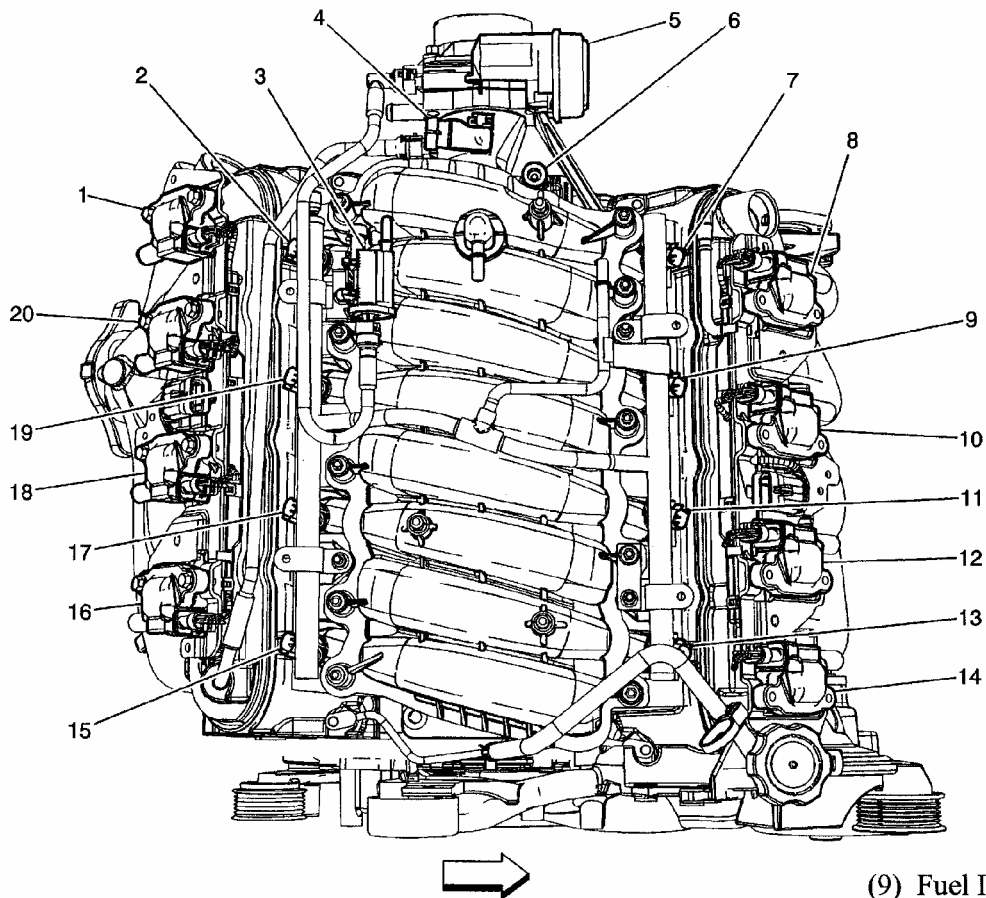
- | | |
|---|-------------------------------------|
| (1) Engine Coolant Temperature (ECT) Sensor | (9) Knock Sensor (KS) Bank 1 |
| (2) Ignition Coil 1 | (10) Engine Oil Level Switch |
| (3) Ignition Coil 3 | (11) Camshaft Position (CMP) Sensor |
| (4) Ignition Coil 5 | |
| (5) Ignition Coil 7 | |
| (6) Manifold Absolute Pressure (MAP) Sensor | |
| (7) Throttle Body | |
| (8) Engine Coolant Heater | |

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Fig. 27: Left Side Of Engine (5.3L)
Courtesy of GENERAL MOTORS CORP.

2006 Chevrolet Impala LS

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- (1) Ignition Coil 8
- (2) Fuel Injector 8
- (3) Evaporative Emission (EVAP) Canister Purge Solenoid Valve
- (4) Manifold Absolute Pressure (MAP) Sensor
- (5) Throttle Body
- (6) Engine Oil Pressure (EOP) Sensor
- (7) Fuel Injector 7
- (8) Ignition Coil 7

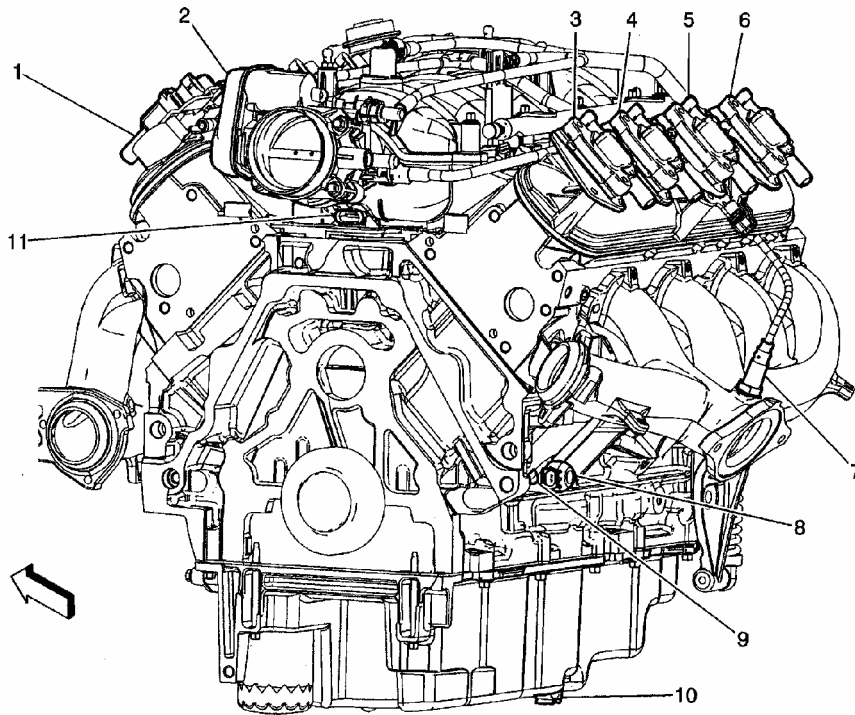
- (9) Fuel Injector 5
- (10) Ignition Coil 5
- (11) Fuel Injector 3
- (12) Ignition Coil 3
- (13) Fuel Injector 1
- (14) Ignition Coil 1
- (15) Fuel Injector 2
- (16) Ignition Coil 2
- (17) Fuel Injector 4
- (18) Ignition Coil 4
- (19) Fuel Injector 6
- (20) Ignition Coil 6

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Fig. 28: Top Of Engine (5.3L)
Courtesy of GENERAL MOTORS CORP.

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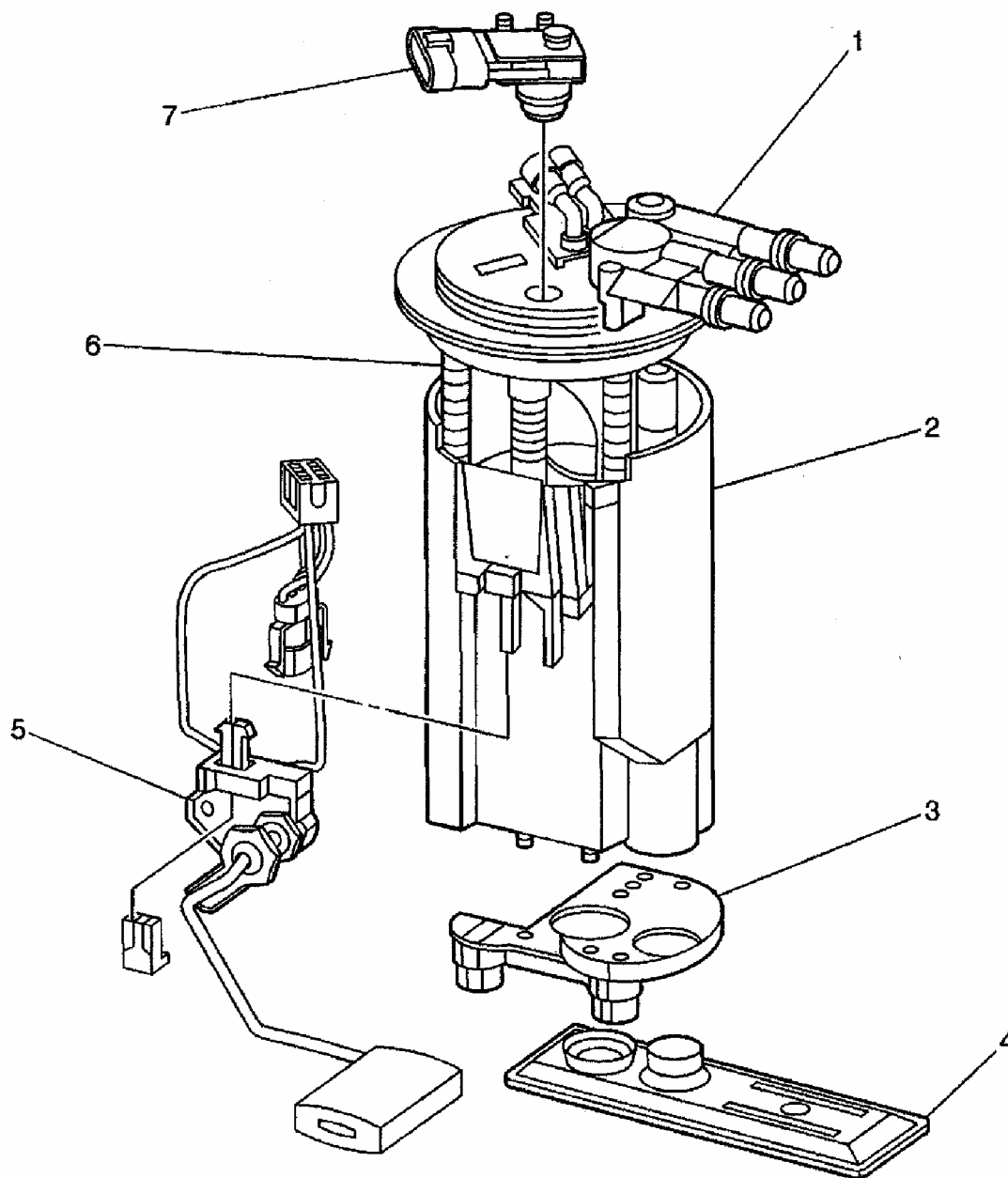
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- | | |
|-----------------------------------|--|
| (1) Ignition Coil 7 | (9) Crankshaft Position (CKP) Sensor |
| (2) Throttle Body | (10) Engine Oil Level Switch |
| (3) Ignition Coil 8 | (11) Valve Lifter Oil Manifold (VLOM) Assembly |
| (4) Ignition Coil 6 | |
| (5) Ignition Coil 4 | |
| (6) Ignition Coil 2 | |
| (7) Heated Oxygen Sensor (HO2S) 1 | |
| (8) Knock Sensor (KS) Bank 2 | |

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Fig. 29: Rear Of Engine (5.3L)
Courtesy of GENERAL MOTORS CORP.

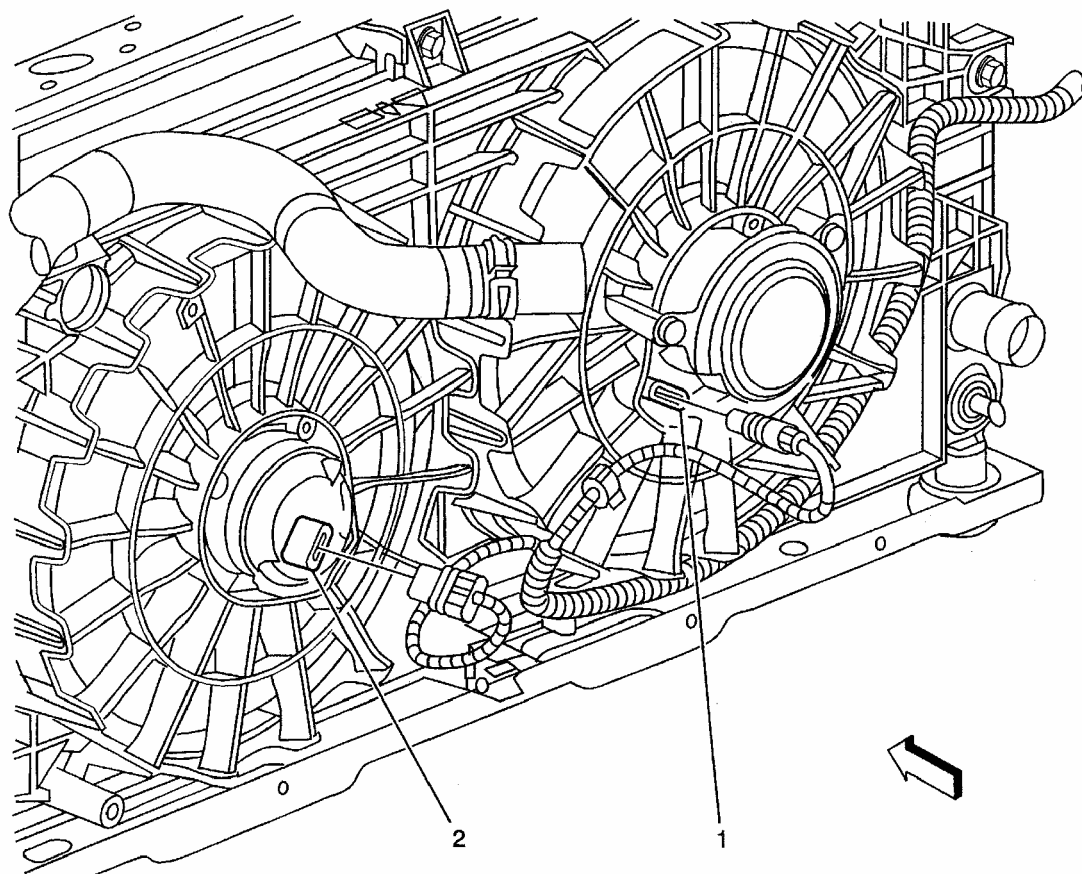


- (1) Fuel Line Quick Connector
- (2) Fuel Pump
- (3) Base Plate
- (4) Fuel Strainer
- (5) Fuel Level Sensor
- (6) Springs
- (7) Fuel Tank Pressure (FTP) Sensor

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Fig. 30: Fuel Pump & Sender Assembly

Courtesy of GENERAL MOTORS CORP.



(1) Cooling Fan - Right

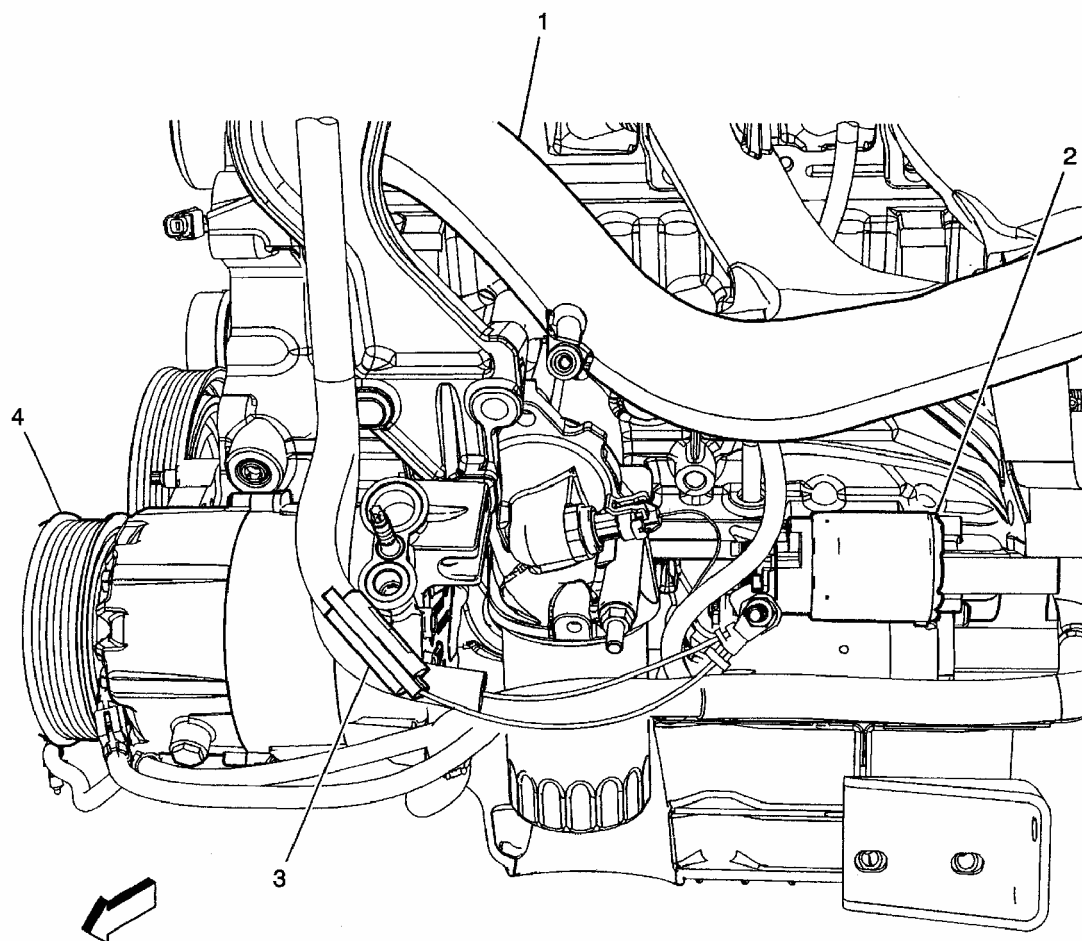
(2) Cooling Fan - Left

G00421669

Fig. 31: Cooling System Component Views
Courtesy of GENERAL MOTORS CORP.

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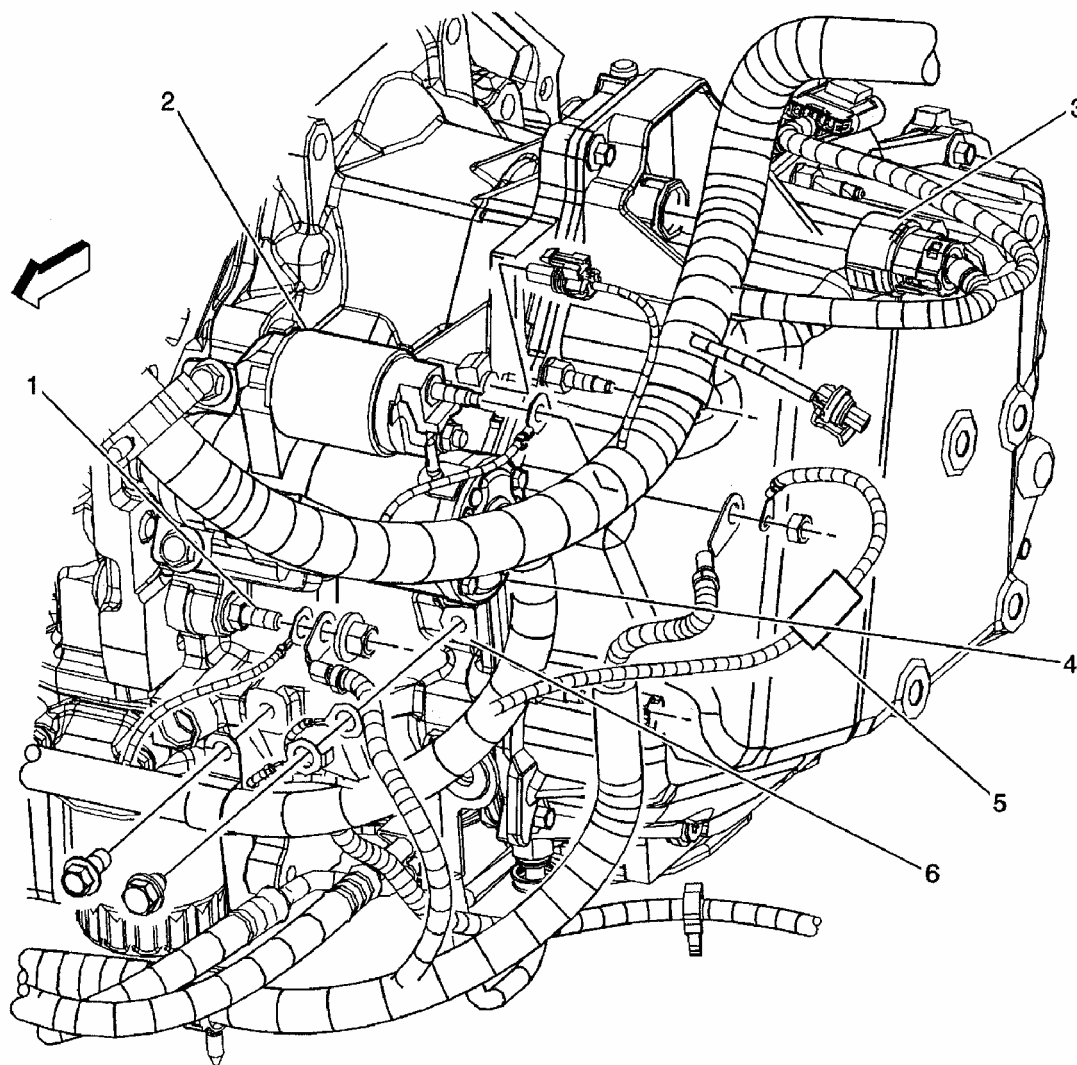
2006 GENERAL MOTORS Impala & Monte Carlo



- (1) Exhaust Manifold
- (2) Starter
- (3) Cable Pro Fuse (6J1)
- (4) A/C Compressor Clutch

G00421670

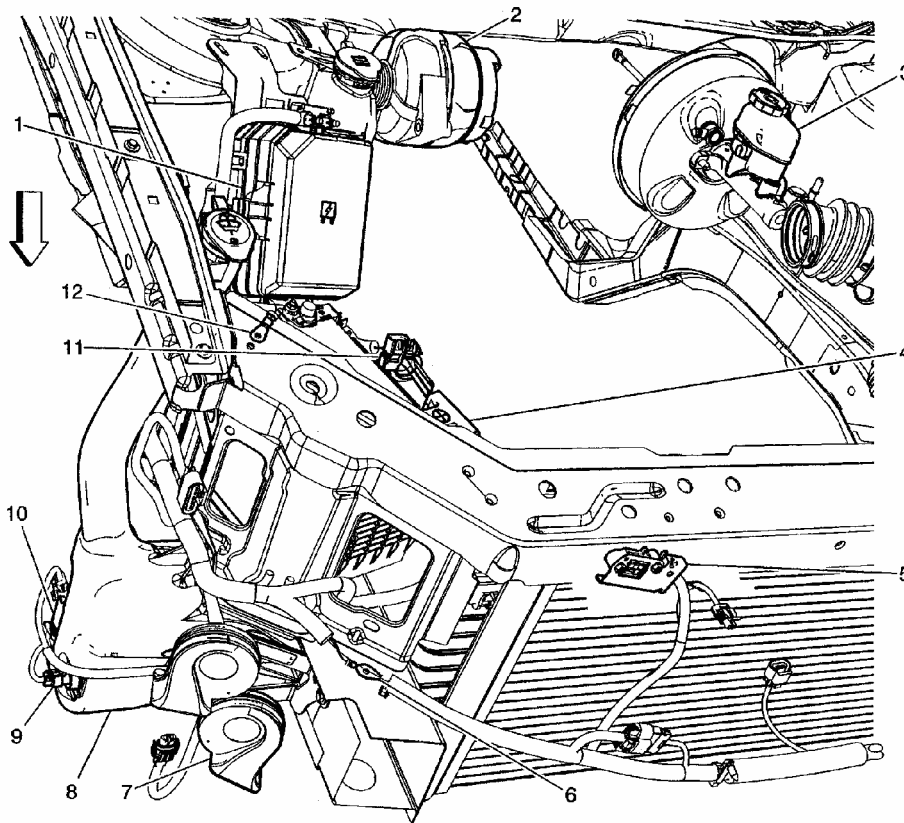
Fig. 32: Lower Front Of Engine (3.5L & 3.9L)
Courtesy of GENERAL MOTORS CORP.



- (1) G111
- (2) Starter Solenoid
- (3) C100
- (4) Starter
- (5) Cable Pro fuse
- (6) G113

G00421671

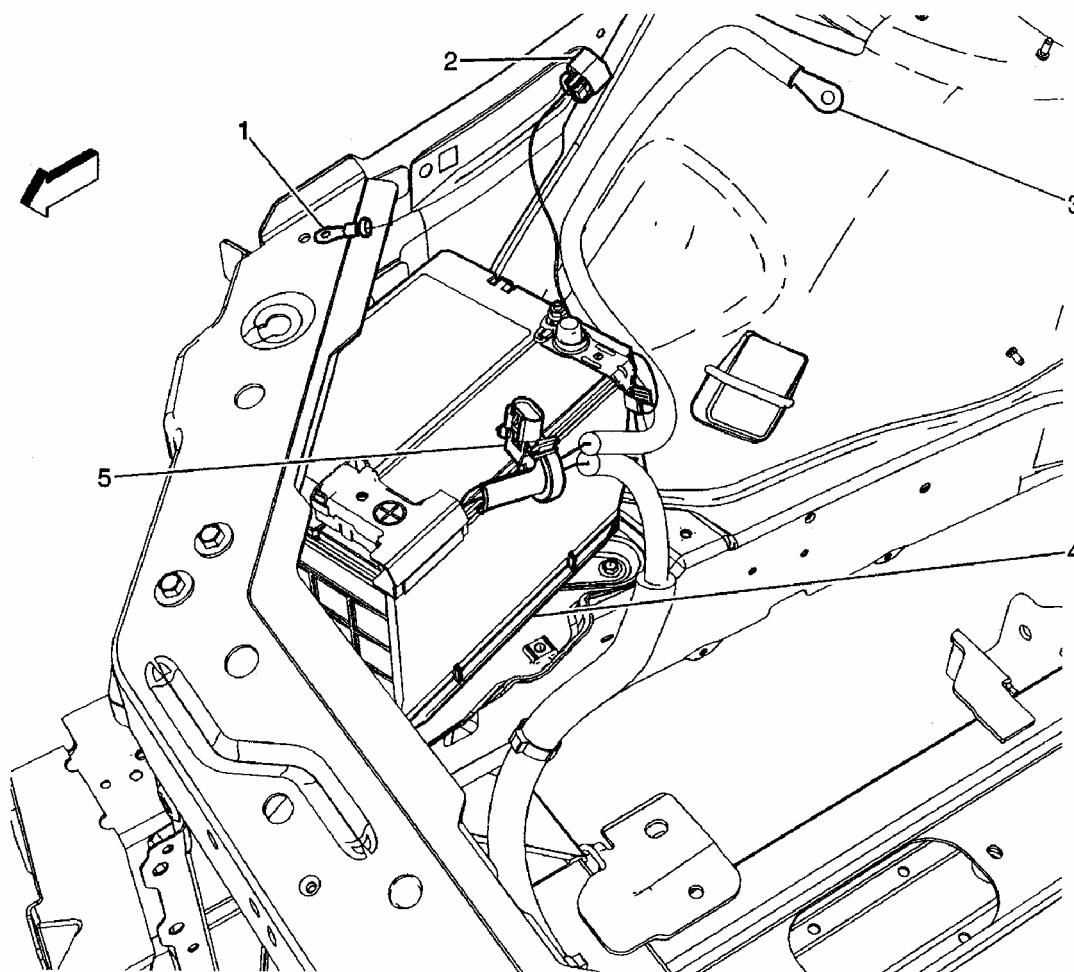
Fig. 33: Rear Of Engine Assembly (5.3L)
Courtesy of GENERAL MOTORS CORP.



- | | |
|---|--|
| (1) Fuse Block - Underhood | (9) Windshield Washer Fluid Level Switch |
| (2) Generator | (10) Windshield Washer Fluid Pump |
| (3) Brake Fluid Level Switch | (11) Battery Current Sensor |
| (4) Battery | (12) G102 |
| (5) Inflatable Restraint Front End Sensor - Right | |
| (6) G100 | |
| (7) Horn Assembly | |
| (8) Windshield Washer Fluid Container | |

G00421672

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



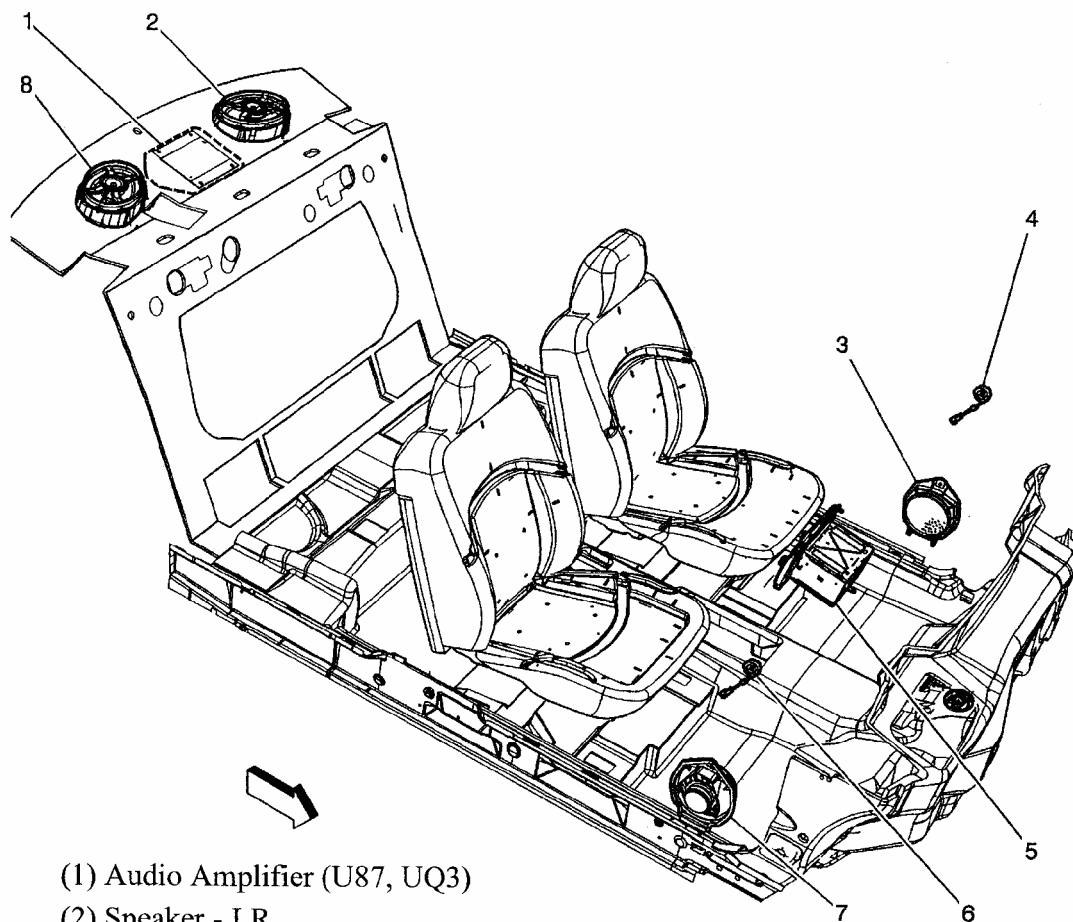
- (1) G102
- (2) C105
- (3) Fuse Block - Underhood Positive Battery Cable Terminal
- (4) Battery
- (5) Battery Current Sensor

G00421673

Fig. 35: Right Front Of Vehicle (3.5L & 3.9L)
Courtesy of GENERAL MOTORS CORP.

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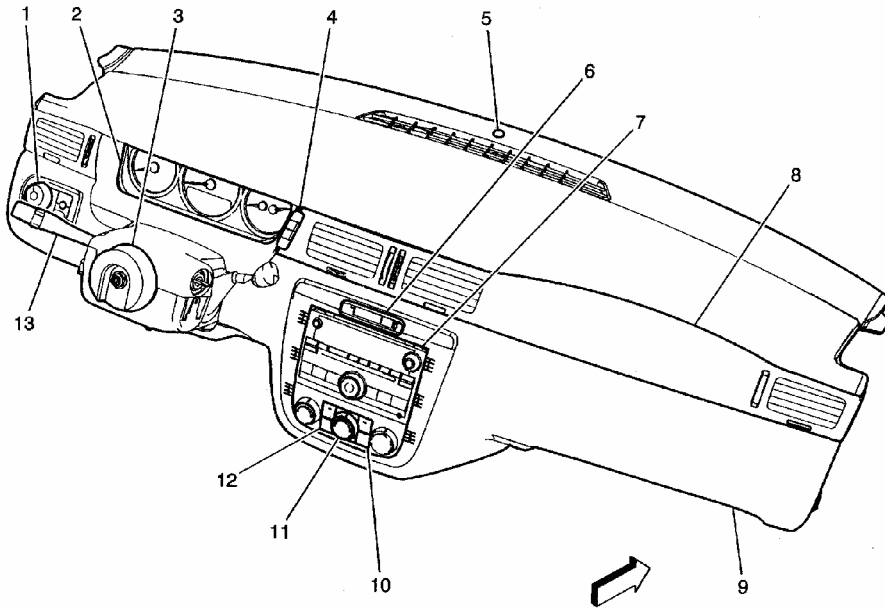
- (1) Audio Amplifier (U87, UQ3)
- (2) Speaker - LR
- (3) Speaker - LF Door
- (4) Speaker - LF Tweeter (UQ3)
- (5) Radio
- (6) Speaker - RF Tweeter (UQ3)
- (7) Speaker - RF Door
- (8) Speaker - RR

G00421674

Fig. 36: Interior Overview
Courtesy of GENERAL MOTORS CORP.

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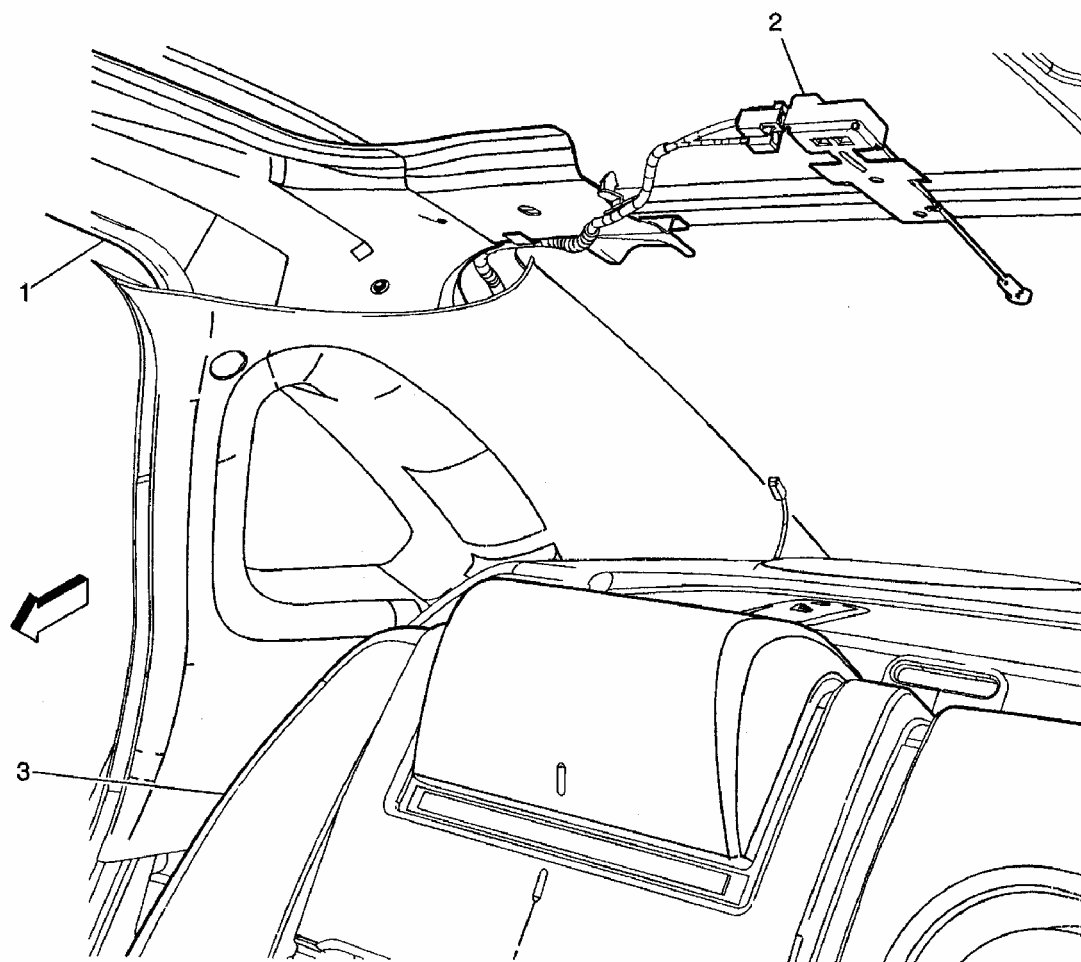
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- | | |
|--|---|
| (1) Headlamp Switch | (9) I/P Trim Panel |
| (2) Instrument Panel Cluster (IPC) | (10) Heated Seat Switch - Passenger (KA1) |
| (3) Inflatable Restraint Steering Wheel Module Coil | (11) HVAC Control Module |
| (4) Driver Information Center (DIC) Switch | (12) Heated Seat Switch - Driver (KA1) |
| (5) Ambient Light Sensor | (13) Turn Signal/Multifunction Switch |
| (6) Inflatable Restraint Passenger Air Bag On/Off Indicator (Sedan w/o 9C1, 9C3) | |
| (7) Radio | |
| (8) Inflatable Restraint I/P Module | |

G00421675

Fig. 37: Dash Components
Courtesy of GENERAL MOTORS CORP.



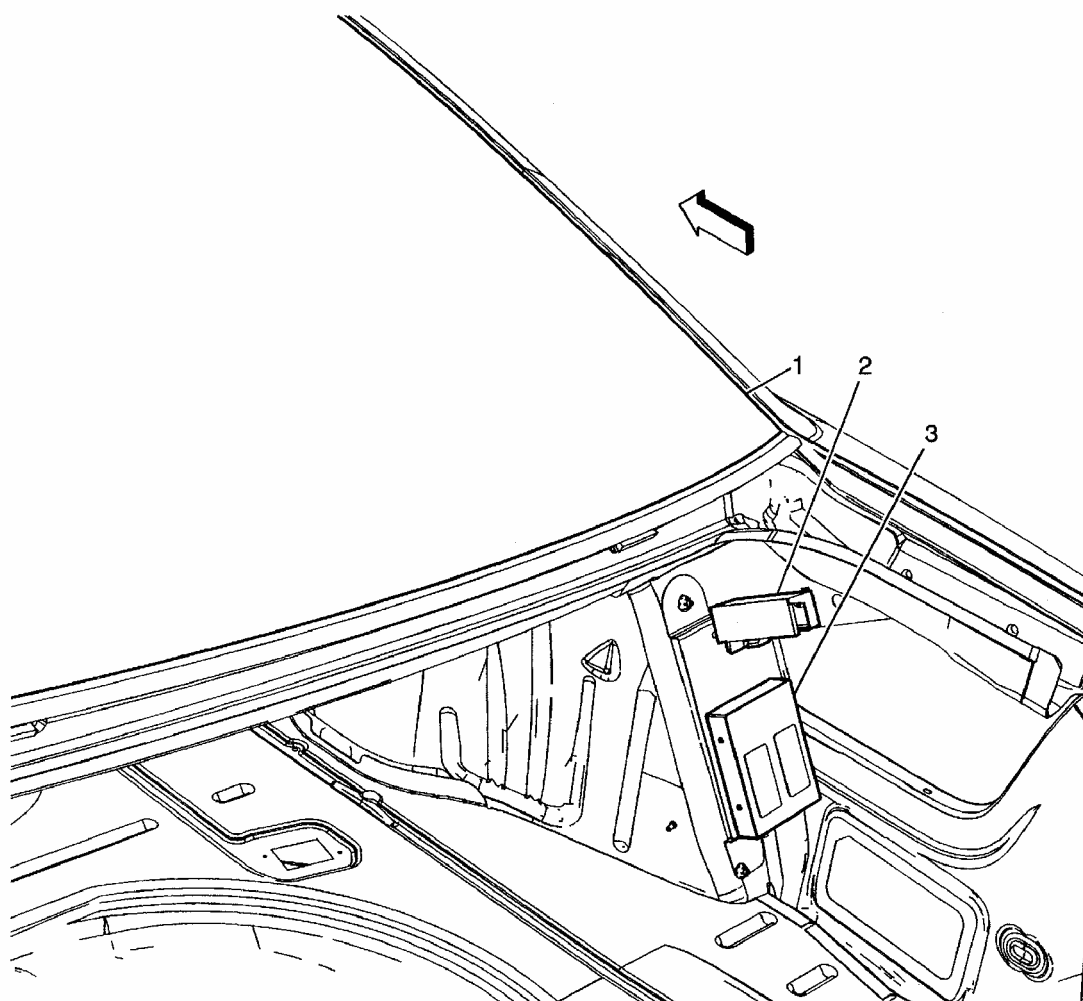
- (1) Left Rear C-Pillar
- (2) Radio Antenna Module
- (3) Rear Seat

G00421676

Fig. 38: Rear Seat
Courtesy of GENERAL MOTORS CORP.

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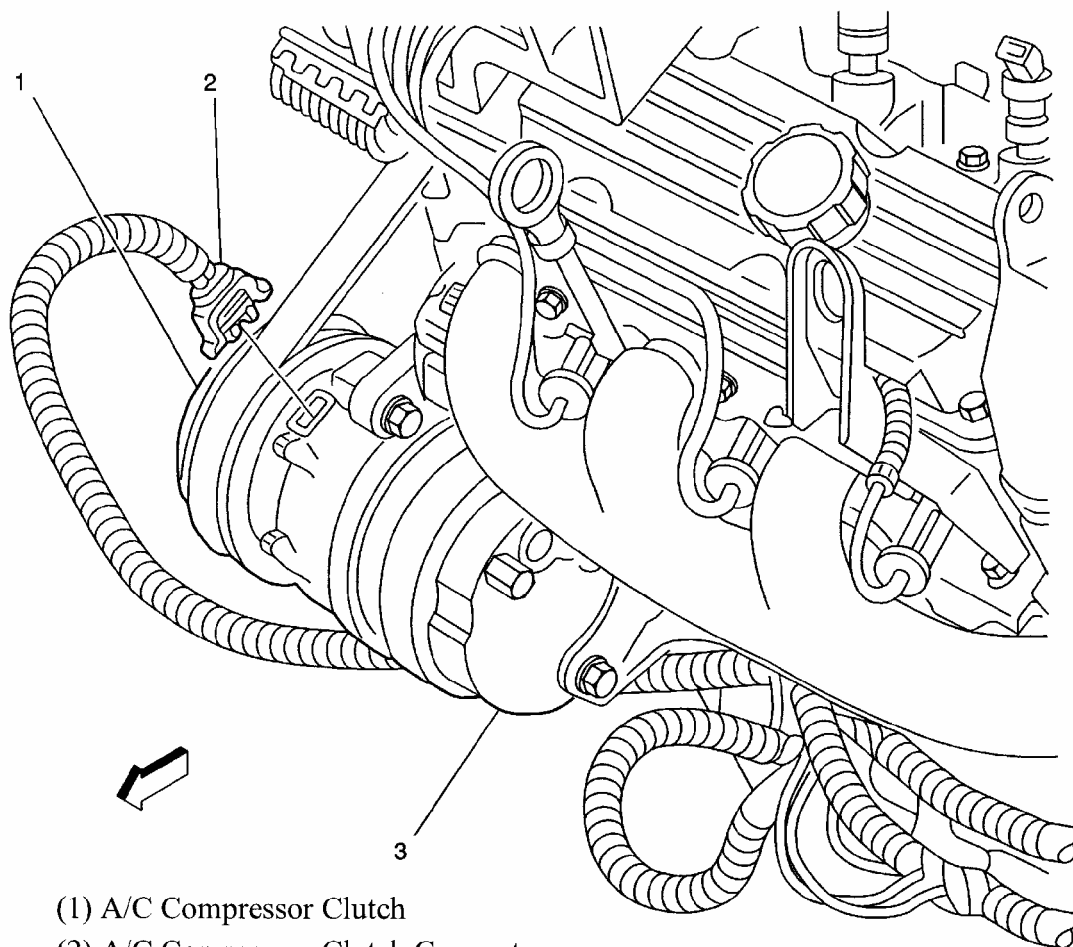
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- (1) Rear Window
- (2) Junction Block - Rear (6J1)
- (3) Digital Radio Receiver (U2K)

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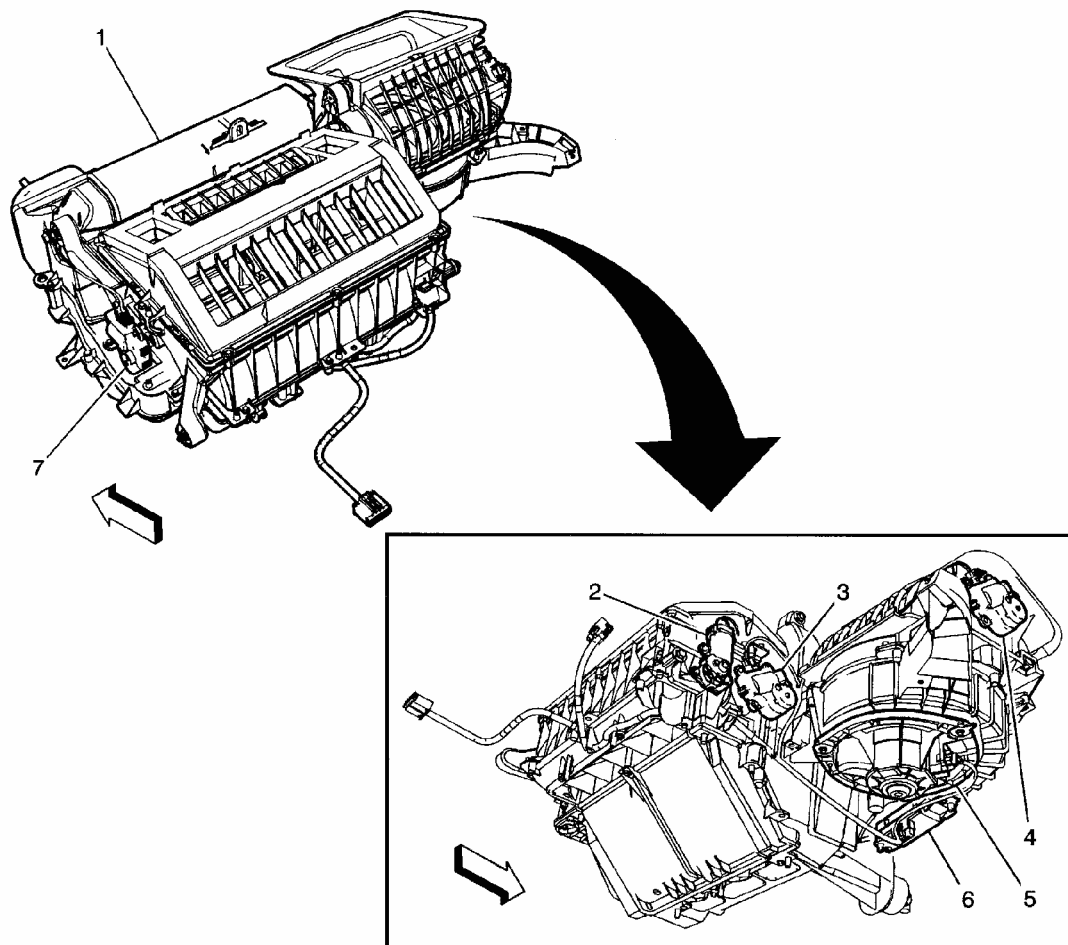
Fig. 39: Right Side Of Luggage Compartment
Courtesy of GENERAL MOTORS CORP.



- (1) A/C Compressor Clutch
- (2) A/C Compressor Clutch Connector
- (3) A/C Compressor

G00421678

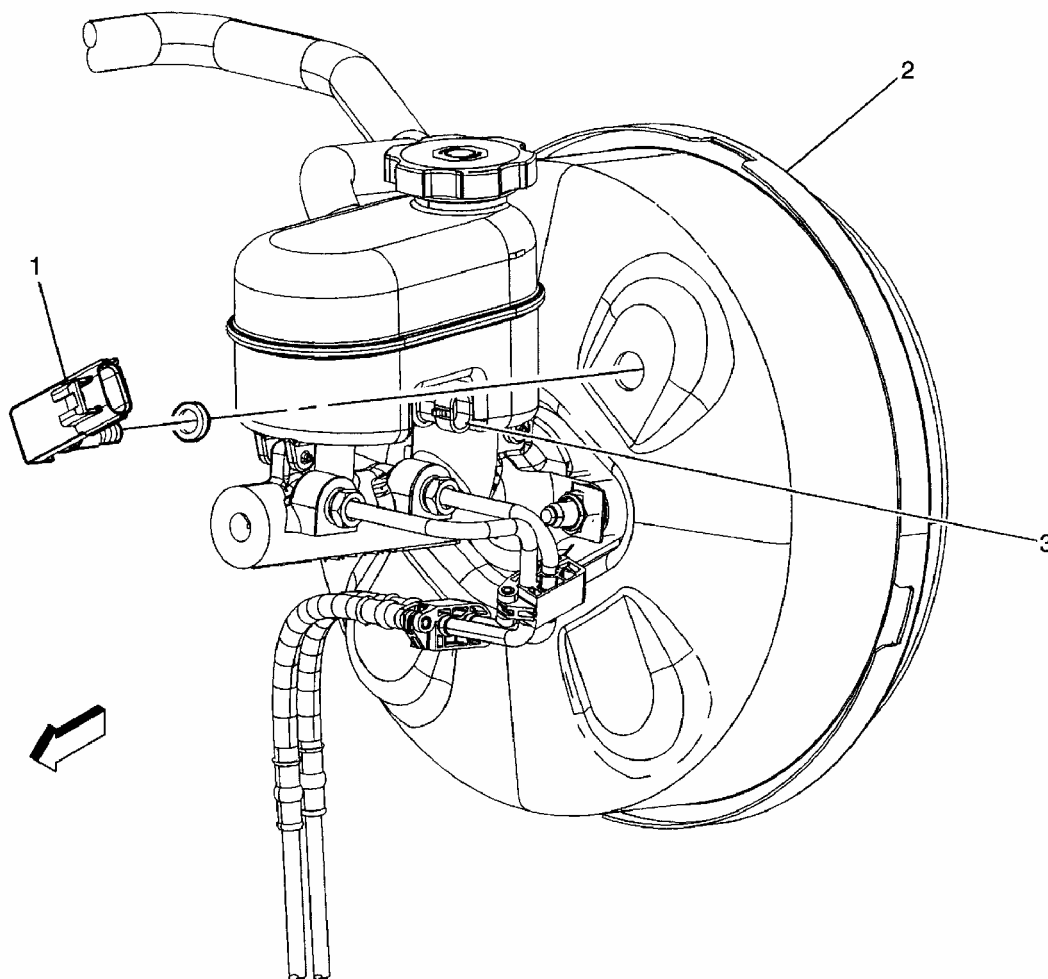
Fig. 40: Lower Left Front Of Engine
Courtesy of GENERAL MOTORS CORP.



- (1) HVAC Module
- (2) Mode Actuator
- (3) Air Temperature Actuator (C67), Air Temperature Actuator - Right (CJ3)
- (4) Recirculation Actuator
- (5) Blower Motor
- (6) Blower Motor Control Processor
- (7) Air Temperature Actuator - Left (CJ3)

G00421679

Fig. 41: HVAC Components
Courtesy of GENERAL MOTORS CORP.



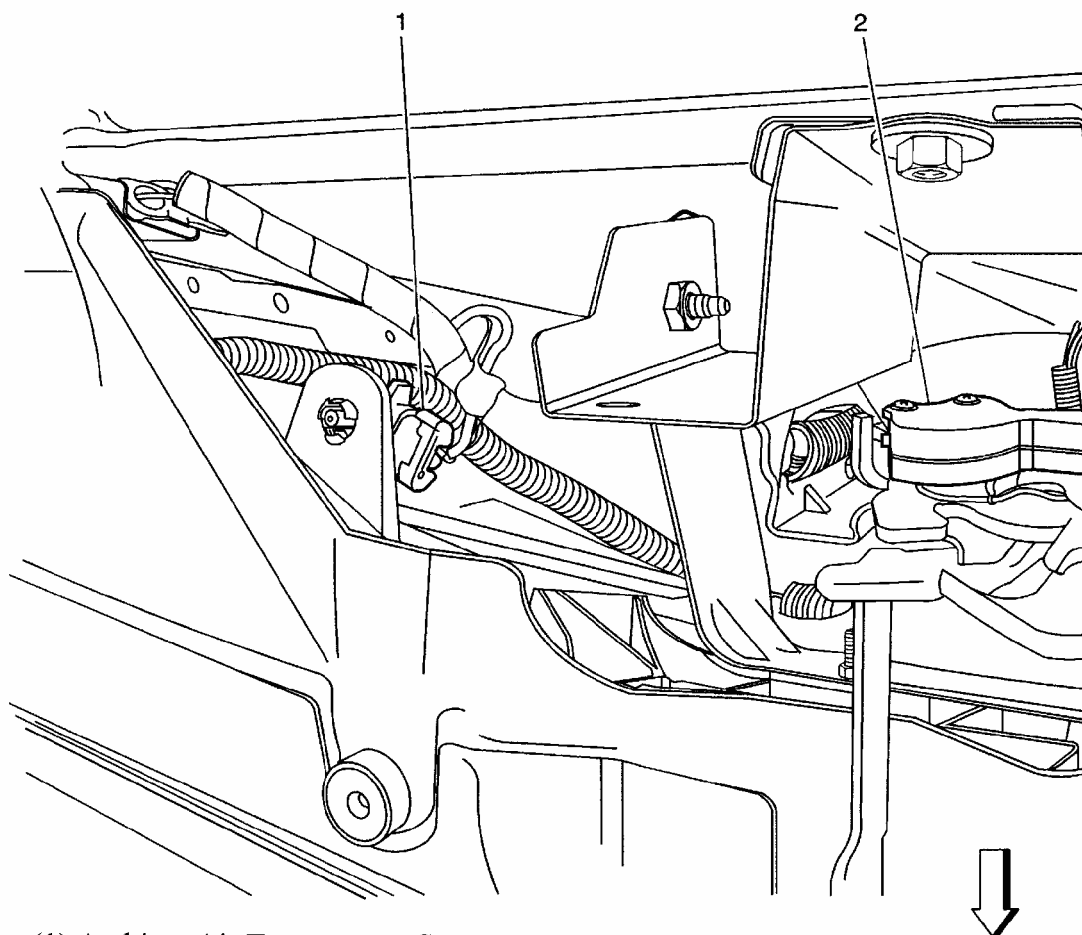
(1) Brake Booster Vacuum Sensor (LS4)

(2) Brake Booster

(3) Brake Fluid Level Switch

G00421680

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

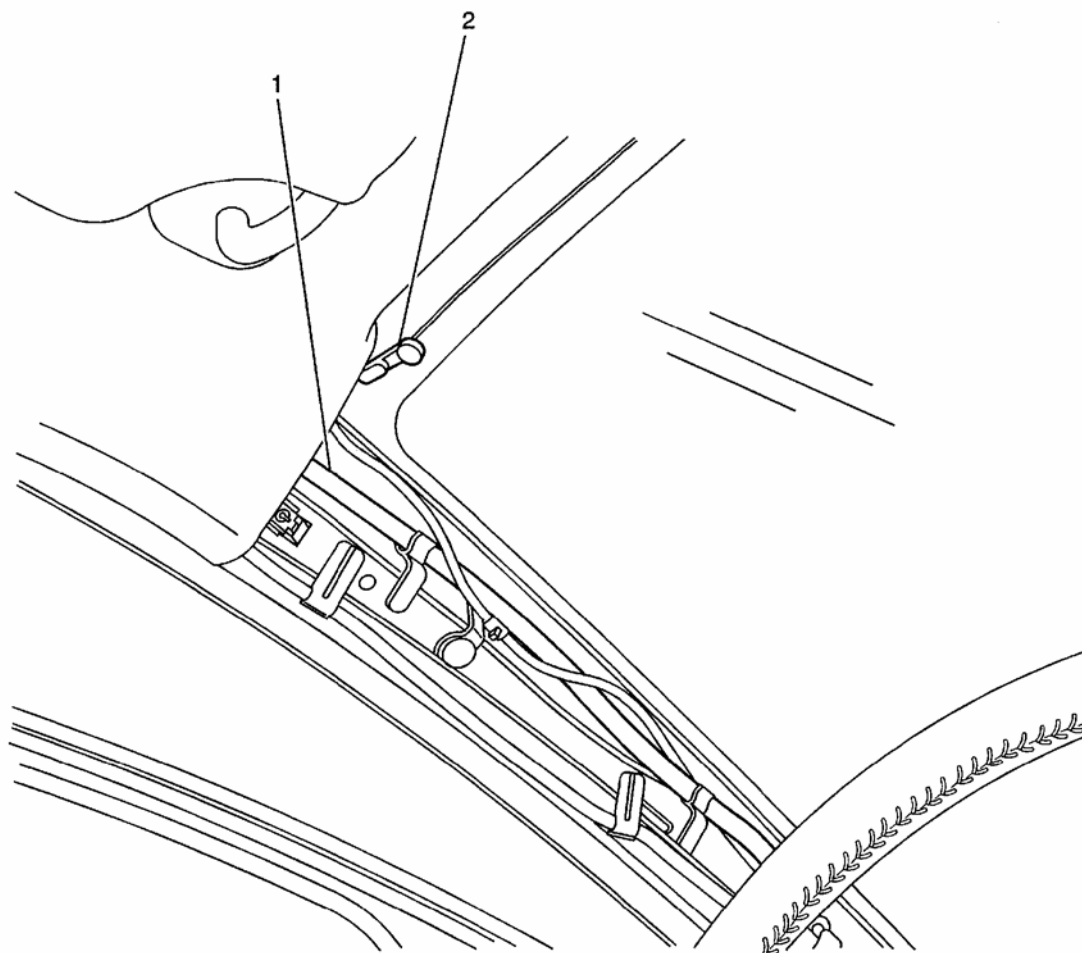


(1) Ambient Air Temperature Sensor

(2) Hood Ajar Switch (AP3, AP8)

G00421681

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

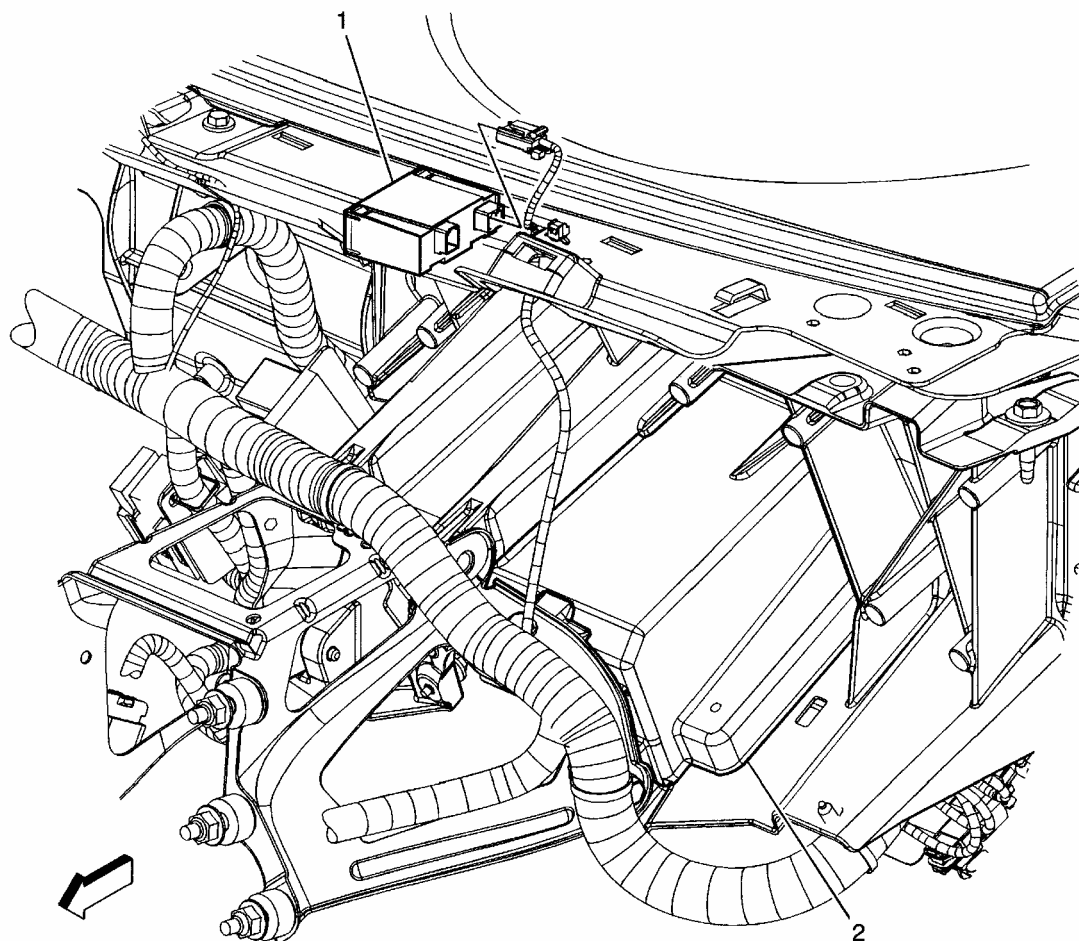


(1) Left A-Pillar

(2) Remote Control Door Lock Receiver Windshield Antenna (AP3, AP8)

G00421682

Fig. 44: Left Side Of Windshield
Courtesy of GENERAL MOTORS CORP.

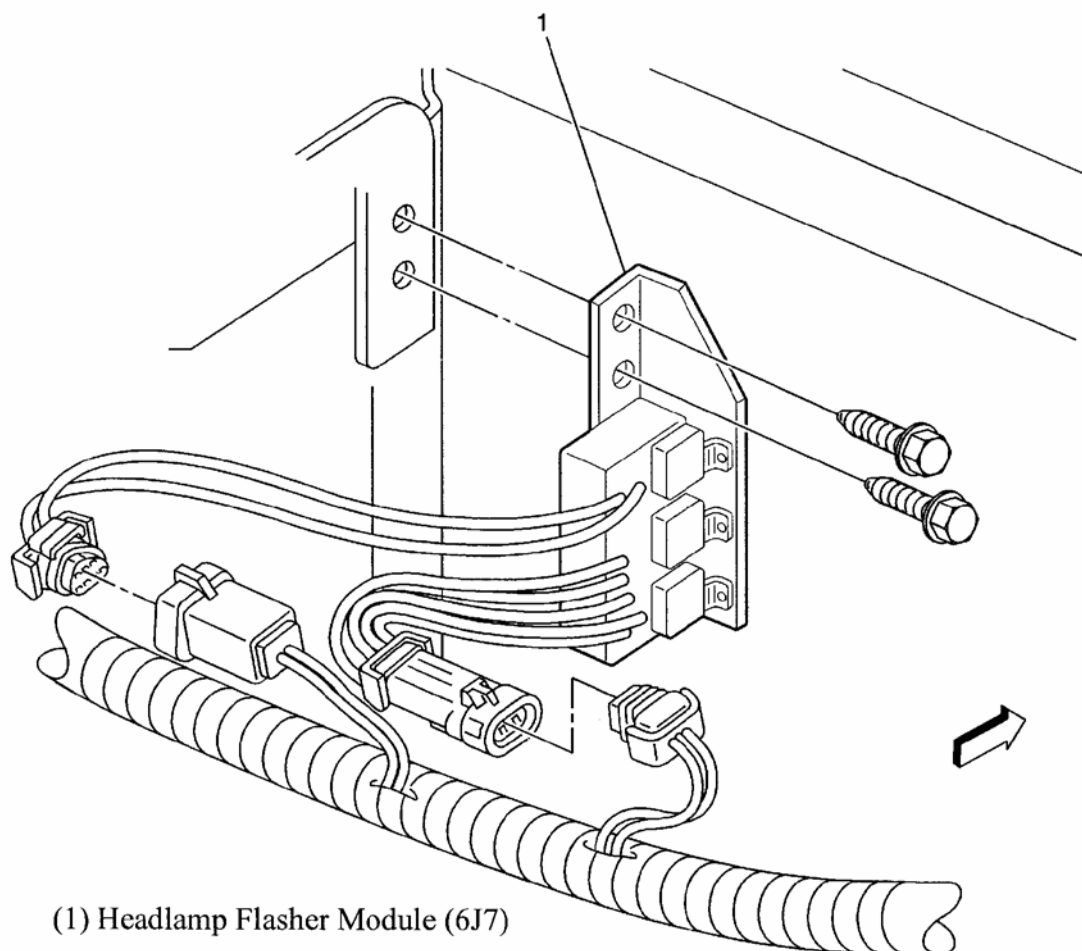


(1) Remote Control Door Lock Receiver (RCDLR)

(2) I/P Carrier

G00421683

Fig. 45: Upper Center Of Dash
Courtesy of GENERAL MOTORS CORP.



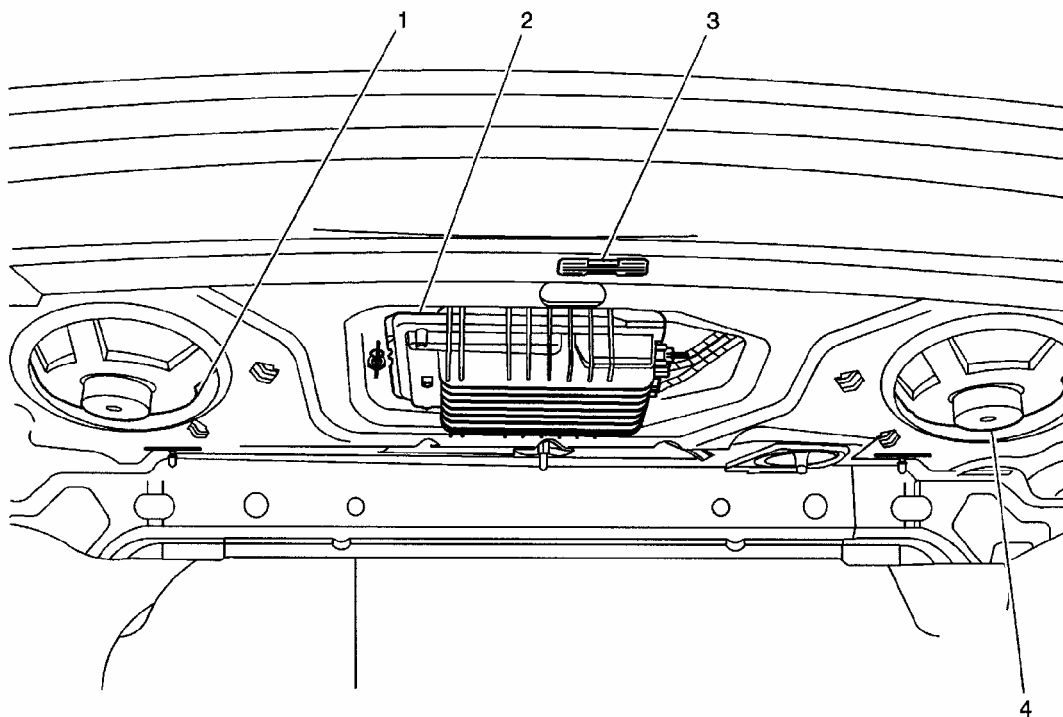
(1) Headlamp Flasher Module (6J7)

G00421684

Fig. 46: Right Front Of Engine Compartment
Courtesy of GENERAL MOTORS CORP.

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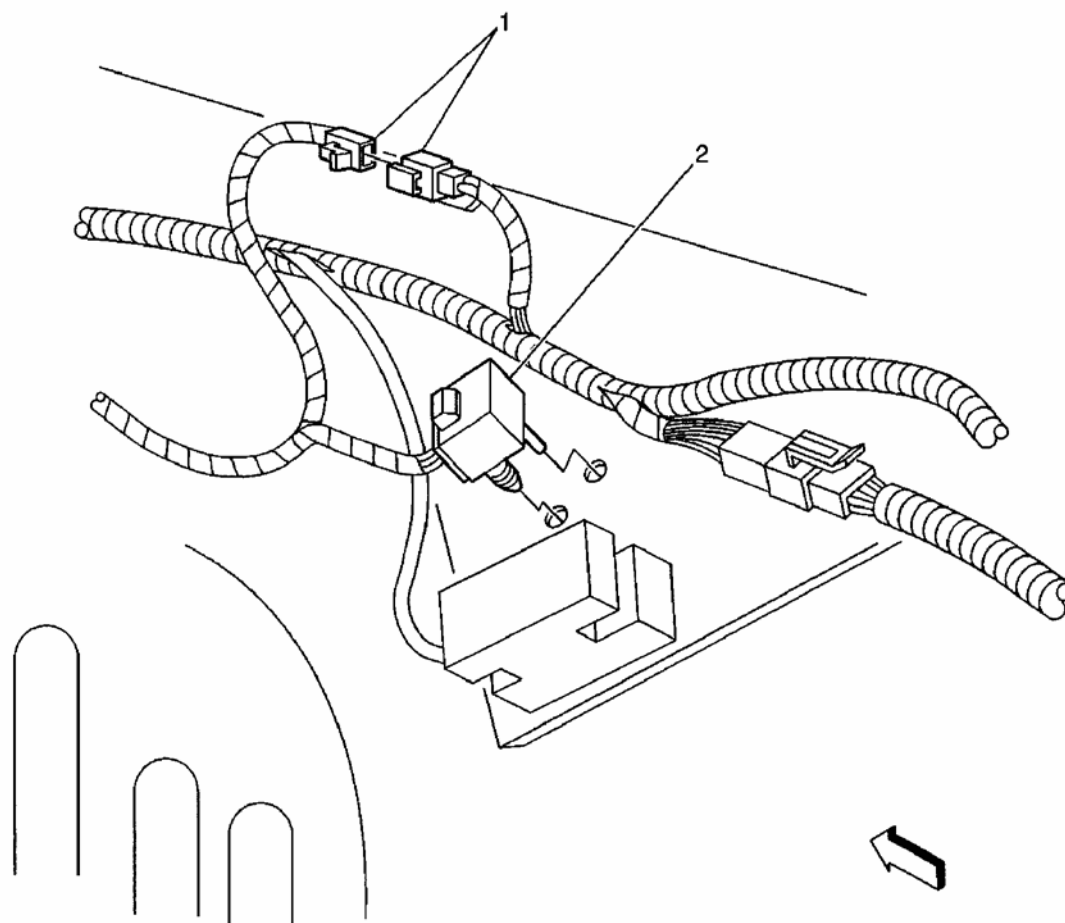
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- (1) Speaker - LR
- (2) Audio Amplifier
- (3) Rear Compartment Courtesy Lamp
- (4) Speaker - RR

G00421685

Fig. 47: Rear Package Shelf
Courtesy of GENERAL MOTORS CORP.

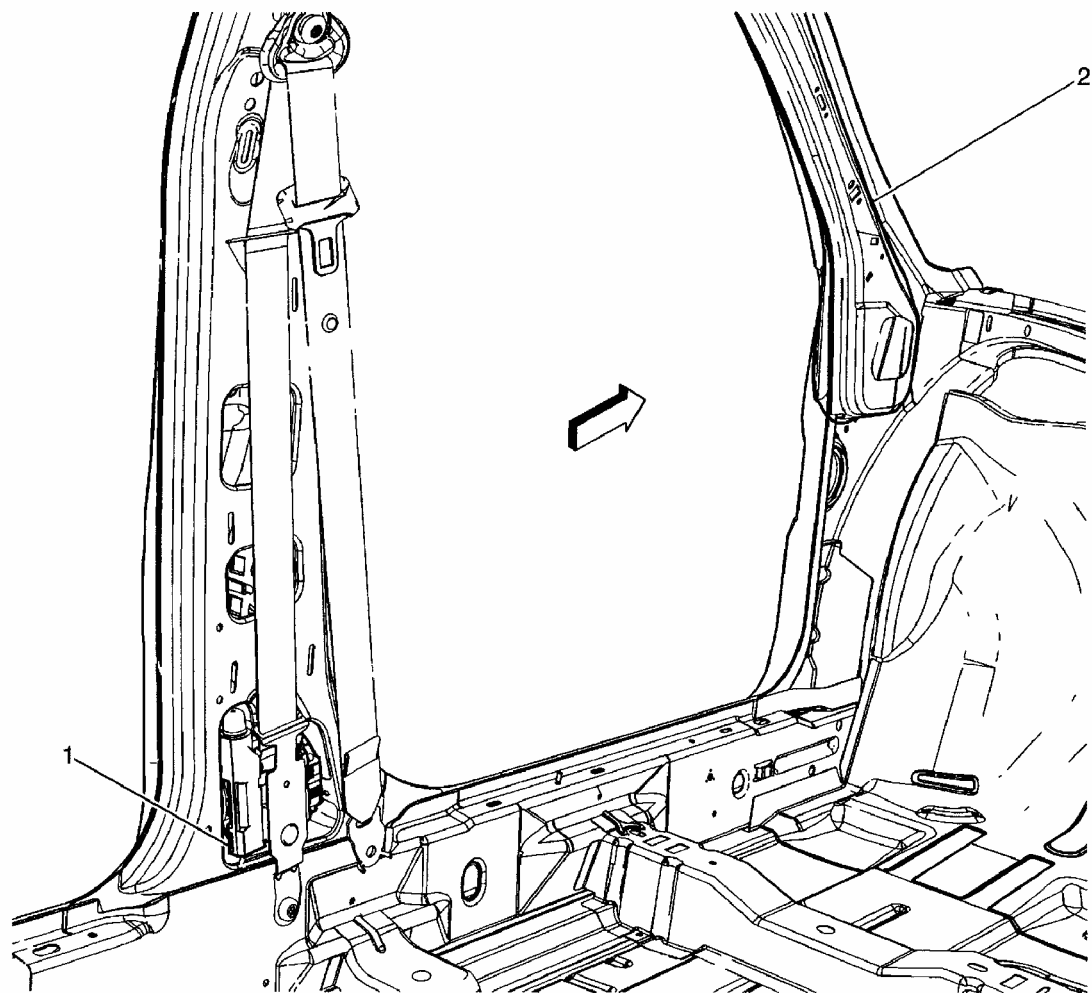


(1) C409

(2) Emergency Vehicle Rear Compartment Lid Lamps Relay

G00421686

Fig. 48: Right Front Of Rear Compartment
Courtesy of GENERAL MOTORS CORP.

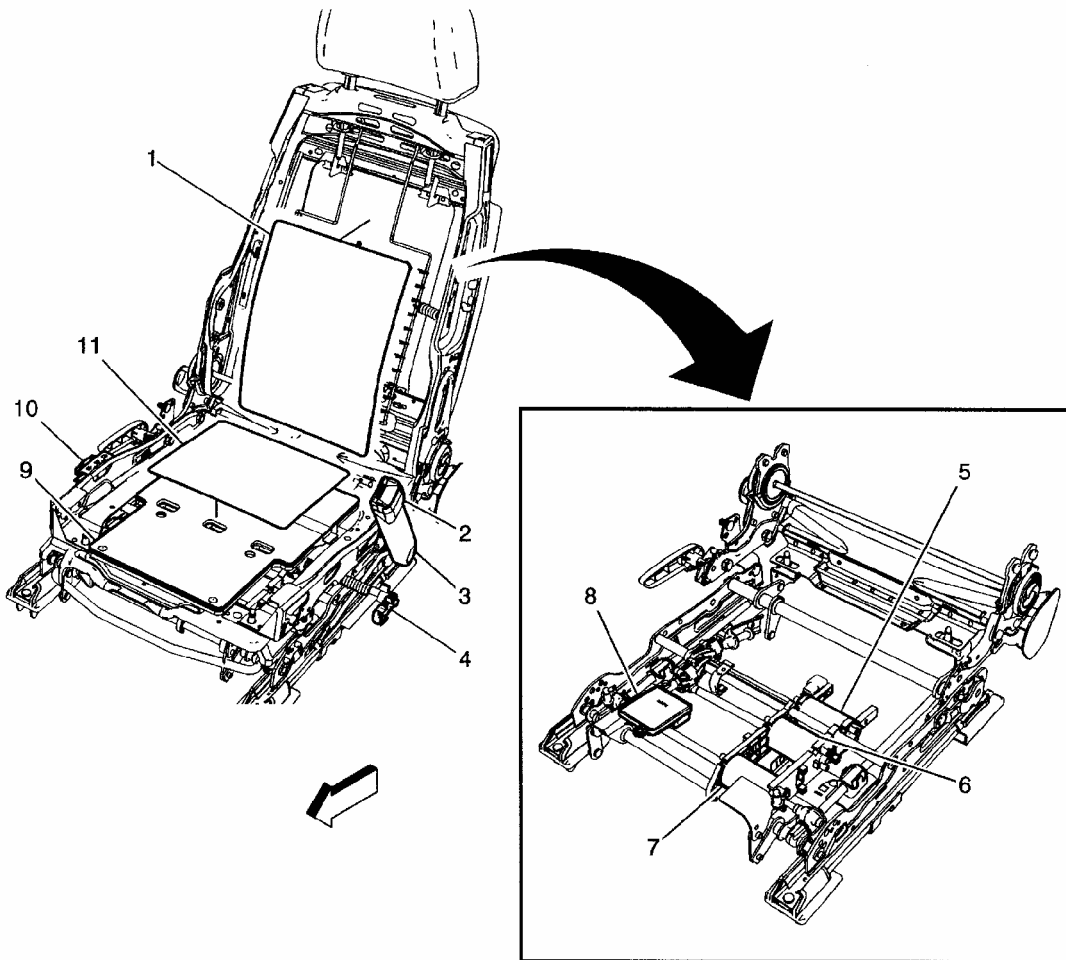


(1) Seat Belt Pretensioner - Left

(2) Left A-Pillar

G00421687

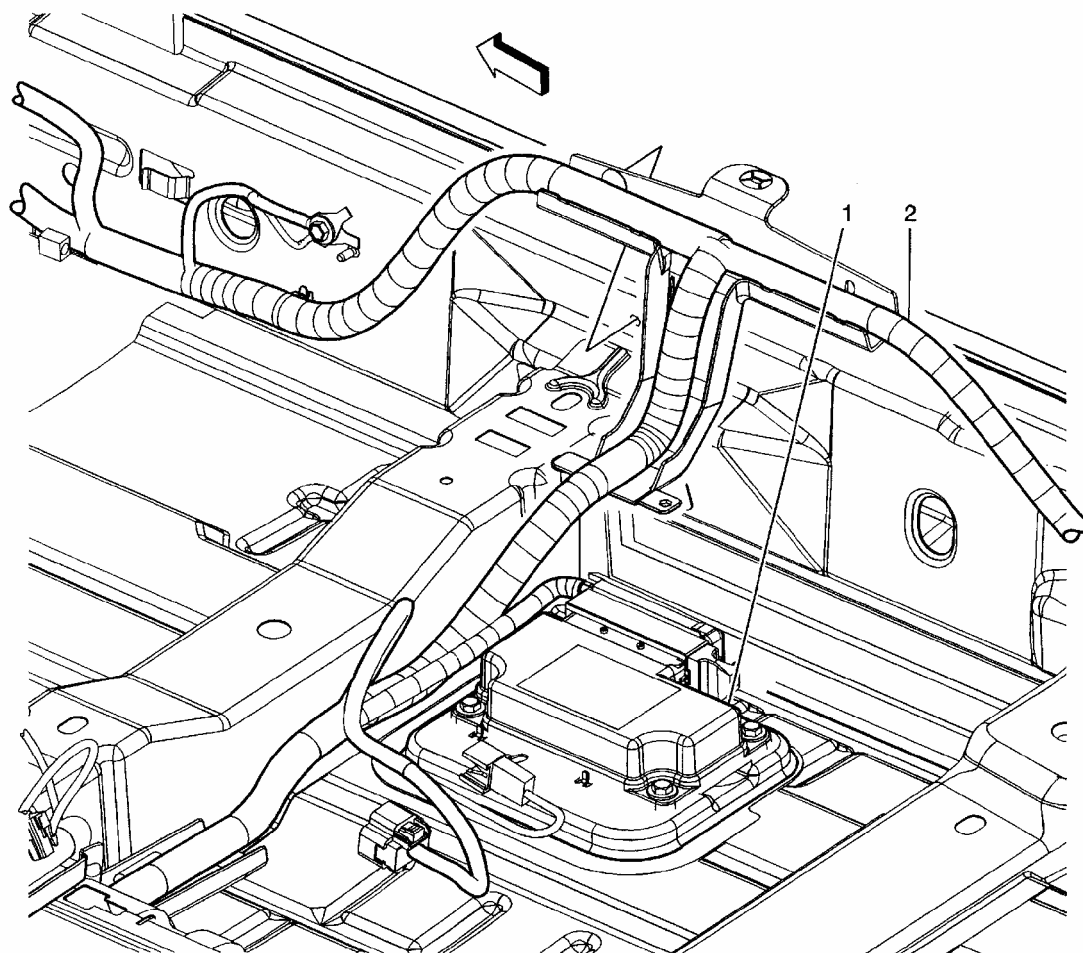
Fig. 49: Left "B" Pillar
Courtesy of GENERAL MOTORS CORP.



- (1) Heated Seat Element - Passenger - Back (KA1)
- (2) Seat Belt Switch - Passenger
- (3) Seat Belt Tension Sensor - Passenger
- (4) Seat Belt Tension Sensor - Passenger, Connector
- (5) Rear Vertical Motor (Part of the Seat Adjuster Motor Assembly - Passenger)
- (6) Front Vertical Motor (Part of the Seat Adjuster Motor Assembly - Passenger)
- (7) Horizontal Motor (Part of the Seat Adjuster Motor Assembly - Passenger)
- (8) Inflatable Restraint Front Passenger Presence System (PPS) Module
- (9) Inflatable Restraint Front Passenger Presence System (PPS) Sensor
- (10) Seat Adjuster Switch - Passenger (AG2)
- (11) Heated Seat Element - Passenger - Seat (KA1)

G00421688

Fig. 50: Passenger's Seat
Courtesy of GENERAL MOTORS CORP.

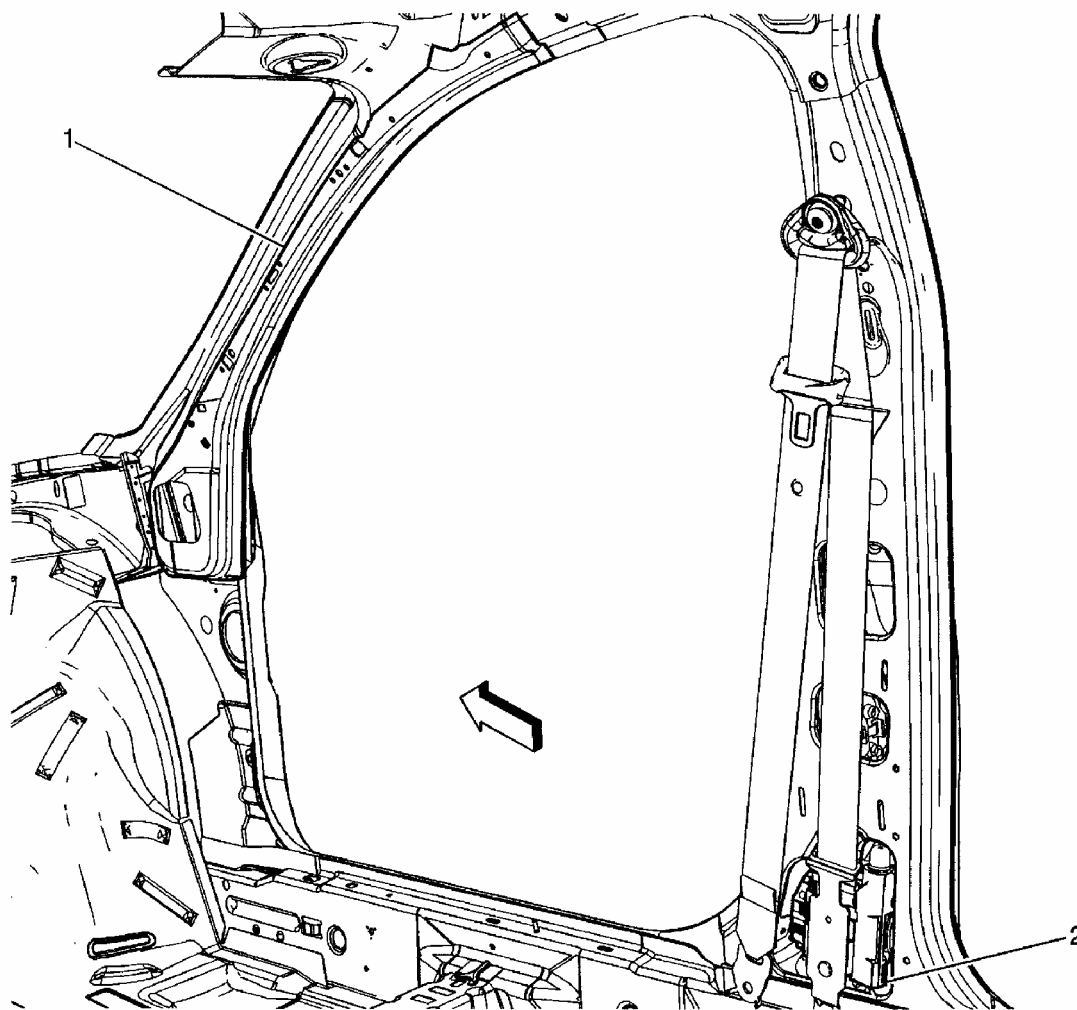


(1) Inflatable Restraint Sensing and Diagnostic Module (SDM)

(2) Front Passenger Floor Panel

G00421689

Fig. 51: Passenger's Floor Pan
Courtesy of GENERAL MOTORS CORP.



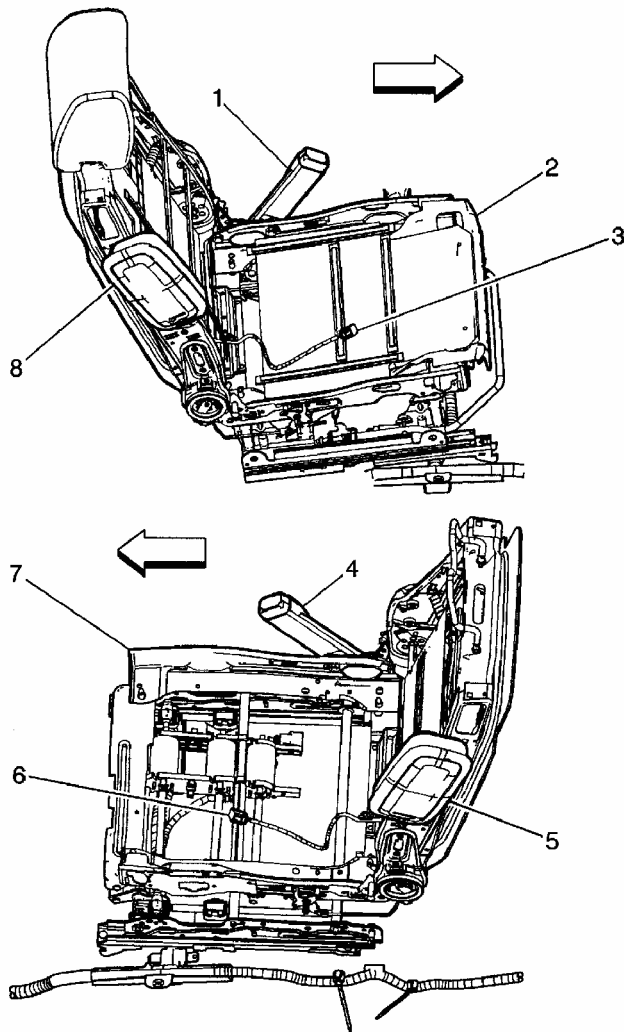
(1) Right A-Pillar

(2) Seat Belt Pretensioner - Right

G00421690

Fig. 52: Right "B" Pillar

Courtesy of GENERAL MOTORS CORP.



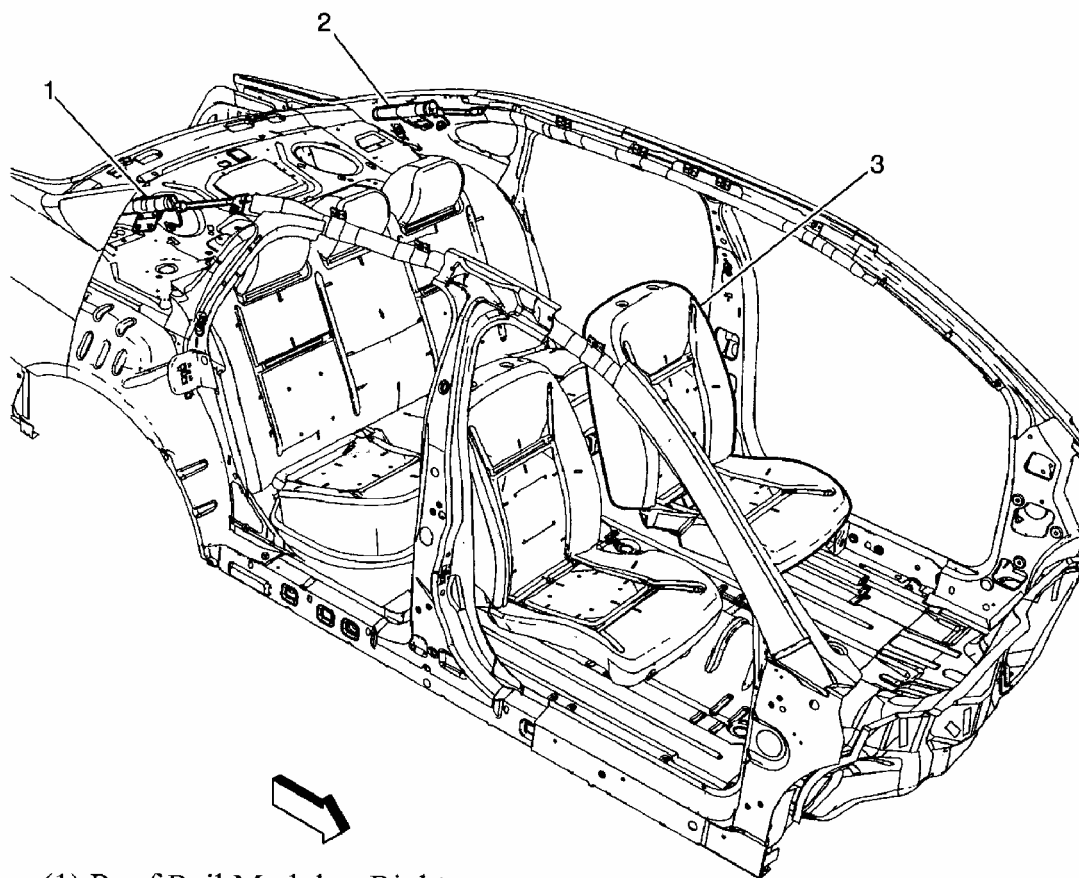
- (1) Seat Belt Switch-Passenger
- (2) Passenger
- (3) C314
- (4) Seat Belt Switch-Driver
- (5) Inflatable Restraint Side Impact Module-Left
- (6) C312
- (7) Driver Seat
- (8) Inflatable Restraint Side Impact Module-Right

G00421691

Fig. 53: Front Seats
Courtesy of GENERAL MOTORS CORP.

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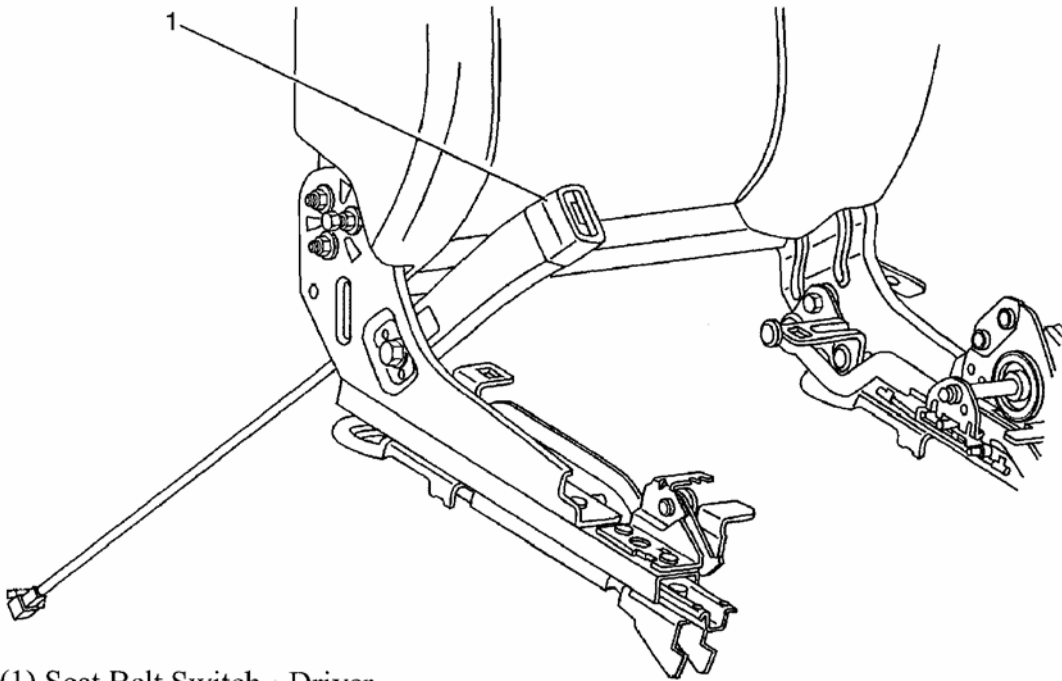
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- (1) Roof Rail Module - Right
- (2) Roof Rail Module - Left
- (3) Drivers Seat

G00421692

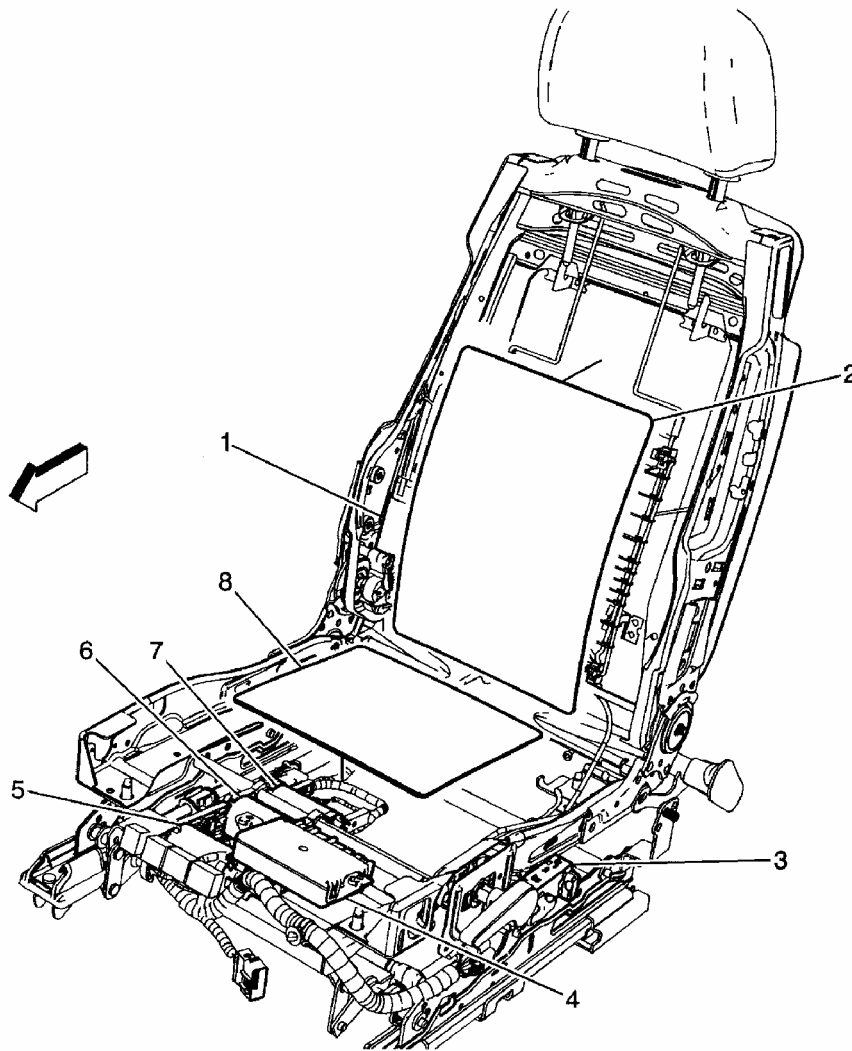
Fig. 54: Vehicle Overview
Courtesy of GENERAL MOTORS CORP.



(1) Seat Belt Switch - Driver

G00421693

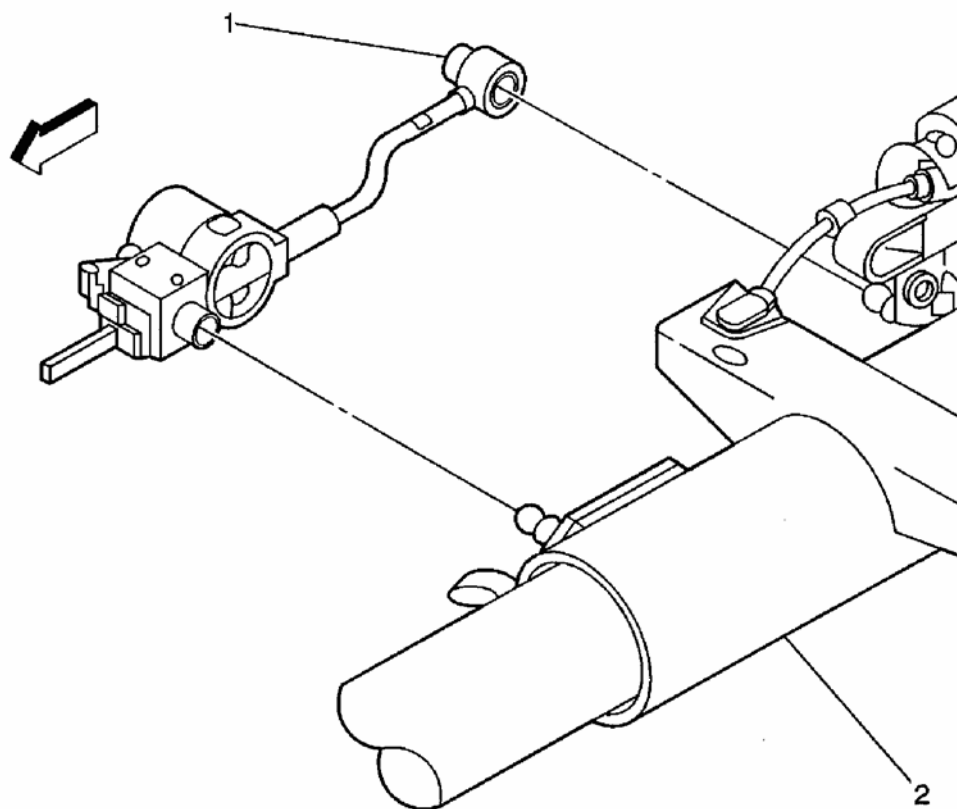
Fig. 55: Left Front Seat
Courtesy of GENERAL MOTORS CORP.



- (1) Seat Recline Motor - Driver (AH5)
- (2) Heated Seat Element - Driver - Back (KA1)
- (3) Seat Adjuster Switch - Driver
- (4) Heated Seat Control Module (KA1)
- (5) Horizontal Motor (Part of the Seat Adjuster Motor Assembly - Driver)
- (6) Front Vertical Motor (Part of the Seat Adjuster Motor Assembly - Driver)
- (7) Rear Vertical Motor (Part of the Seat Adjuster Motor Assembly - Driver)
- (8) Heated Seat Element - Driver - Seat (KA1)

G00421694

Fig. 56: Driver's Seat Components
Courtesy of GENERAL MOTORS CORP.

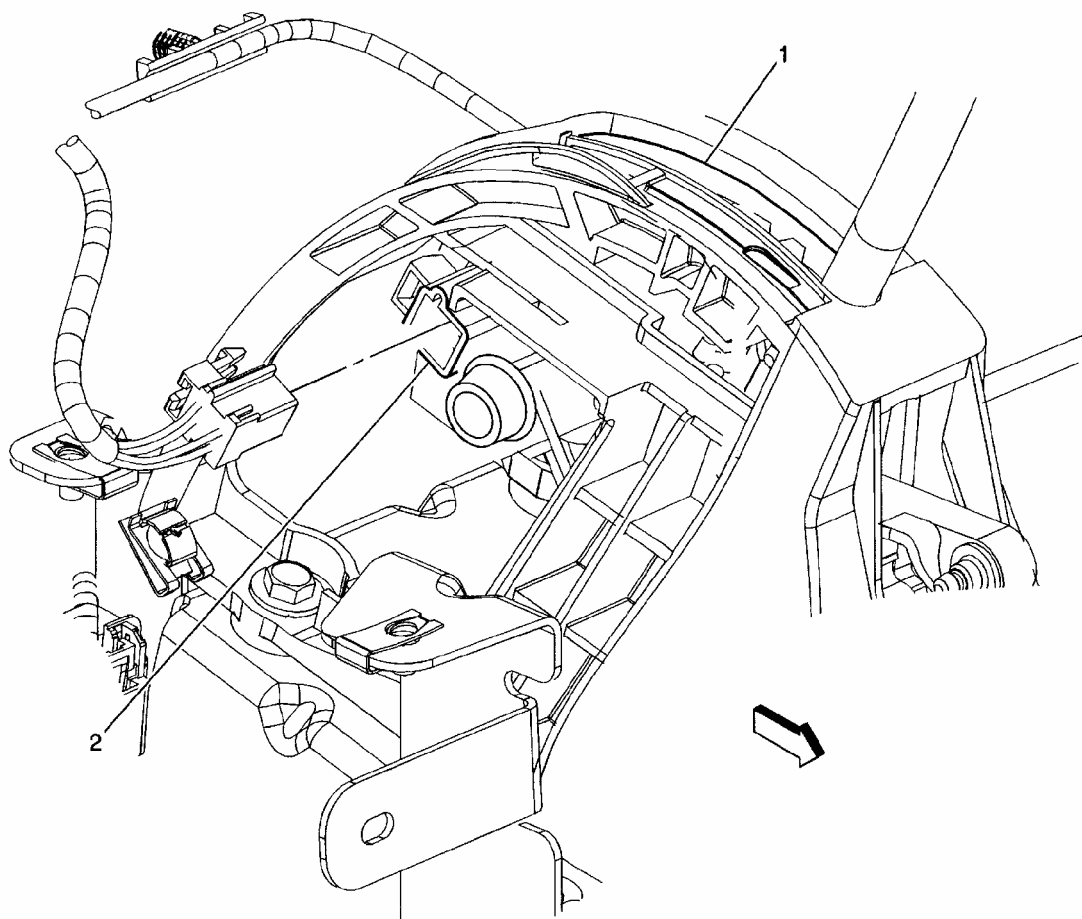


(1) A/T Shift Lock Control Solenoid

(2) Steering Column

G00421695

Fig. 57: Steering Column Components
Courtesy of GENERAL MOTORS CORP.

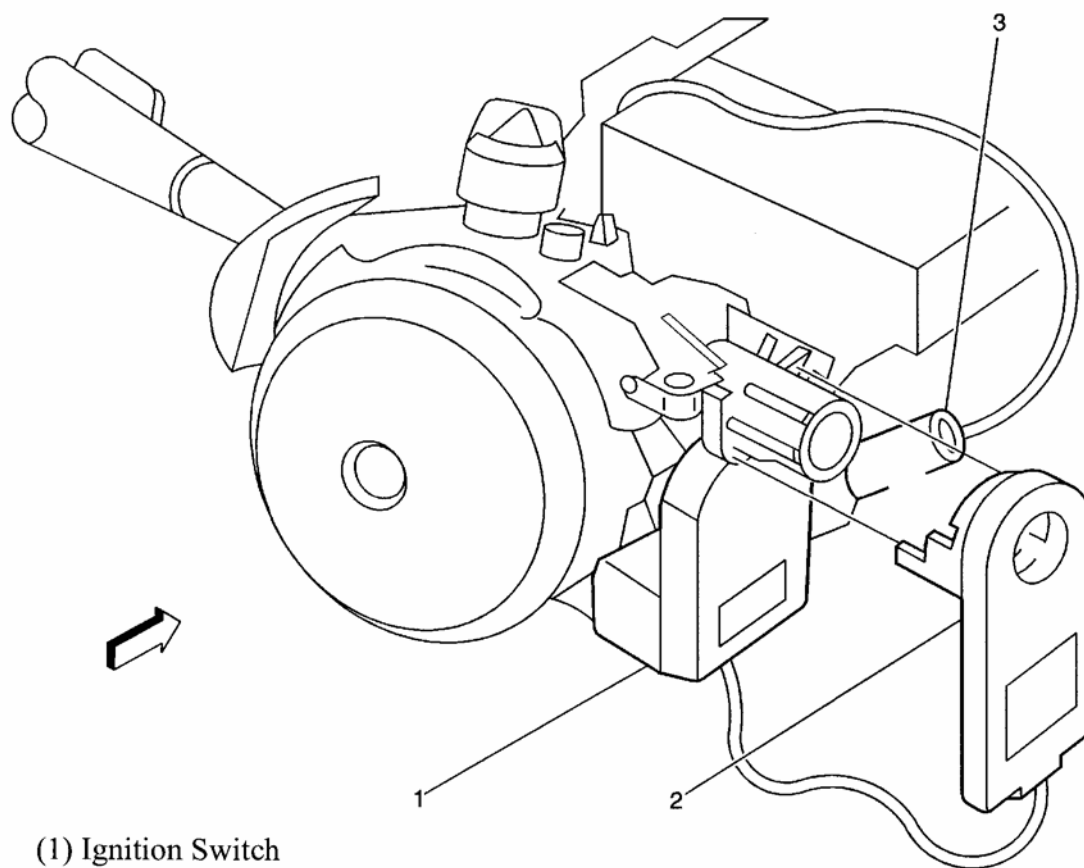


(1) Floor Shifter

(2) A/T Shift Lock Control Solenoid

G00421696

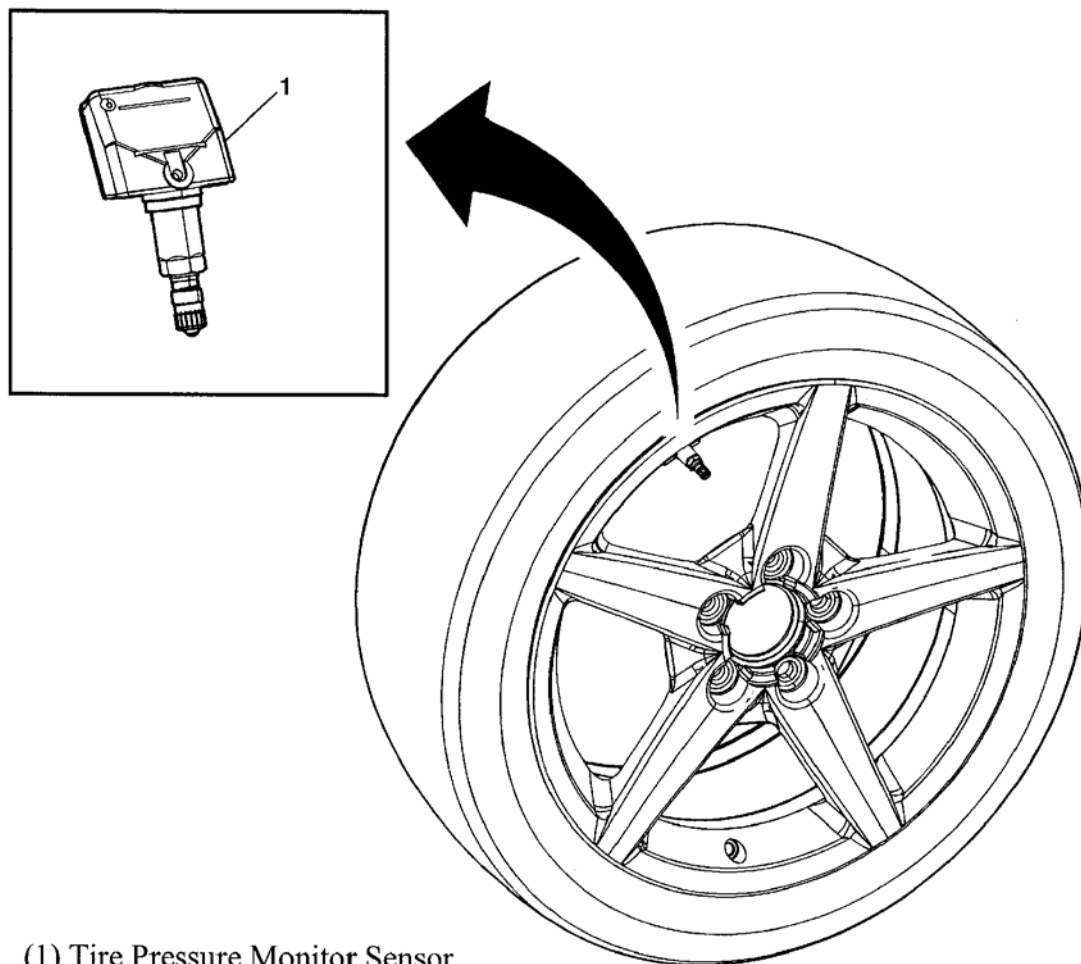
Fig. 58: Center Console
Courtesy of GENERAL MOTORS CORP.



- (1) Ignition Switch
- (2) Theft Deterrent Exciter Module
- (3) Ignition Lock Cylinder Control Actuator

G00421697

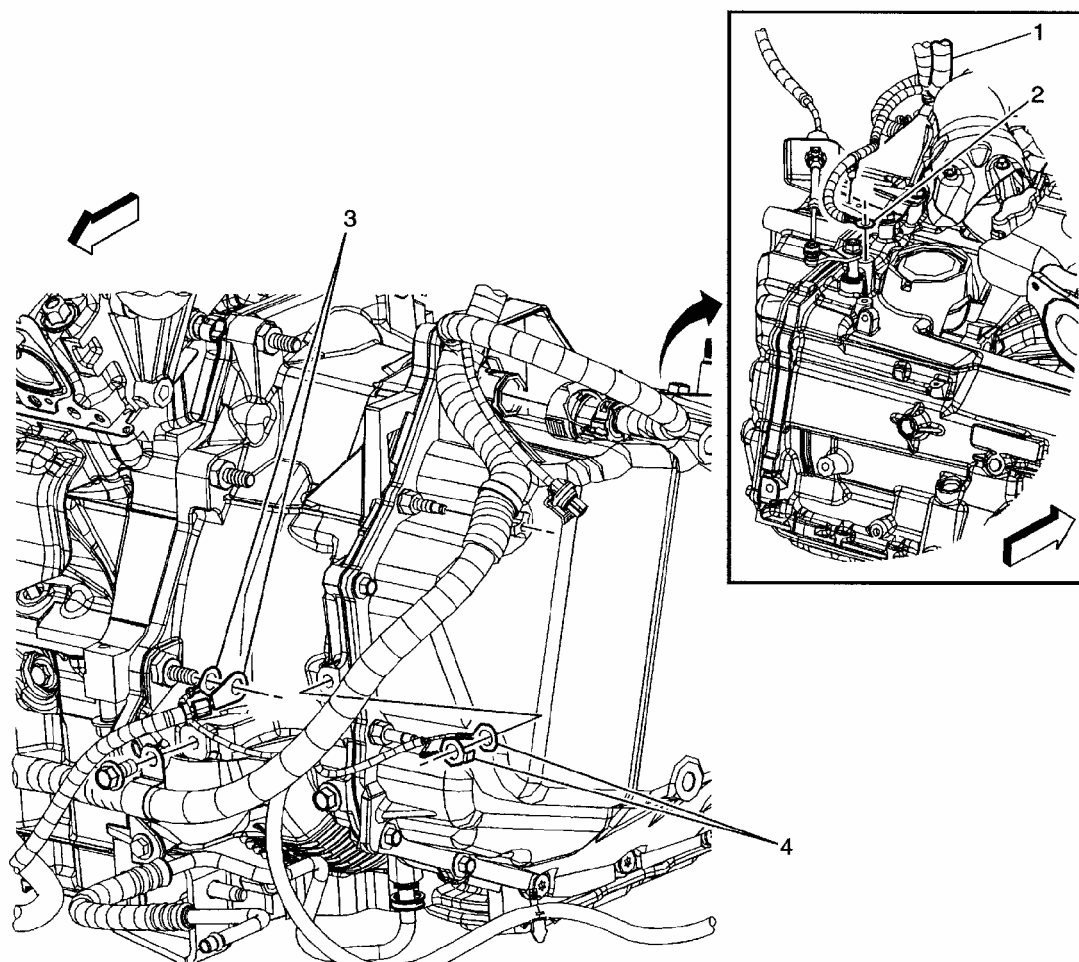
Fig. 59: Steering Column
Courtesy of GENERAL MOTORS CORP.



(1) Tire Pressure Monitor Sensor

G00421698

Fig. 60: Wheel Assembly
Courtesy of GENERAL MOTORS CORP.



(1) Engine Harness

(2) G115

(3) G111

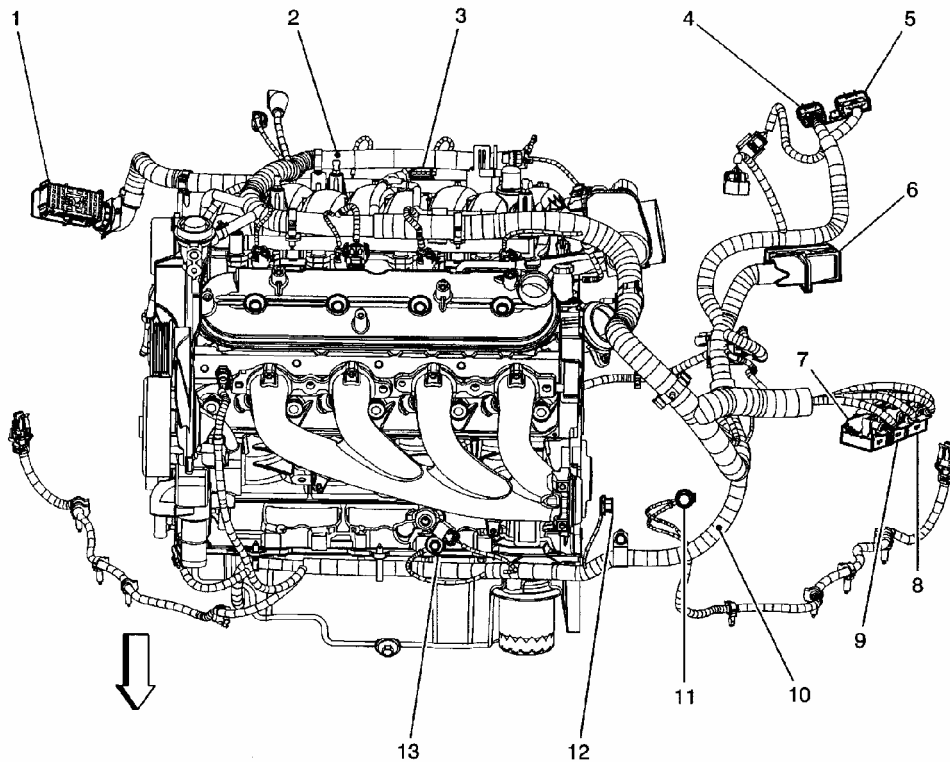
(4) G113

G00421699

Fig. 61: Left Side Of Transmission (3.5L & 3.9L)
Courtesy of GENERAL MOTORS CORP.

2006 Chevrolet Impala LS

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(1) Fuse Block - Underhood C1

(2) S109

(3) C108

(4) C101

(5) C111

(6) Electronic Brake Control Module (EBCM) C1

(7) Engine Control Module (ECM) C3

(8) Engine Control Module (ECM) C2

(9) Engine Control Module (ECM) C1

(10) S101

(11) G113

(12) G111

(13) G115

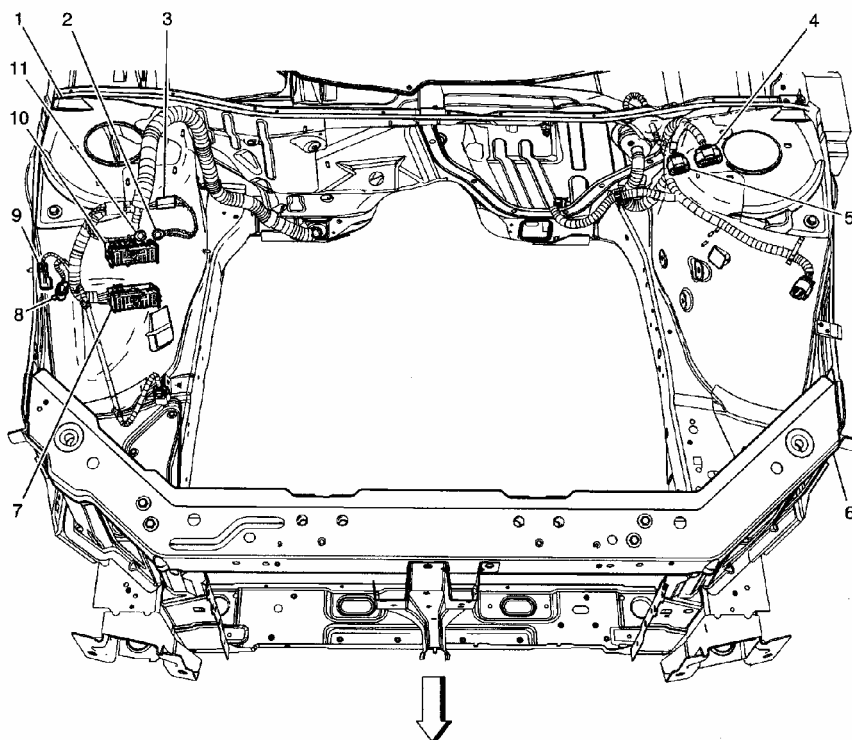
G00421700

Fig. 62: Left Side Of Engine (5.3L)

Courtesy of GENERAL MOTORS CORP.

2006 Chevrolet Impala LS

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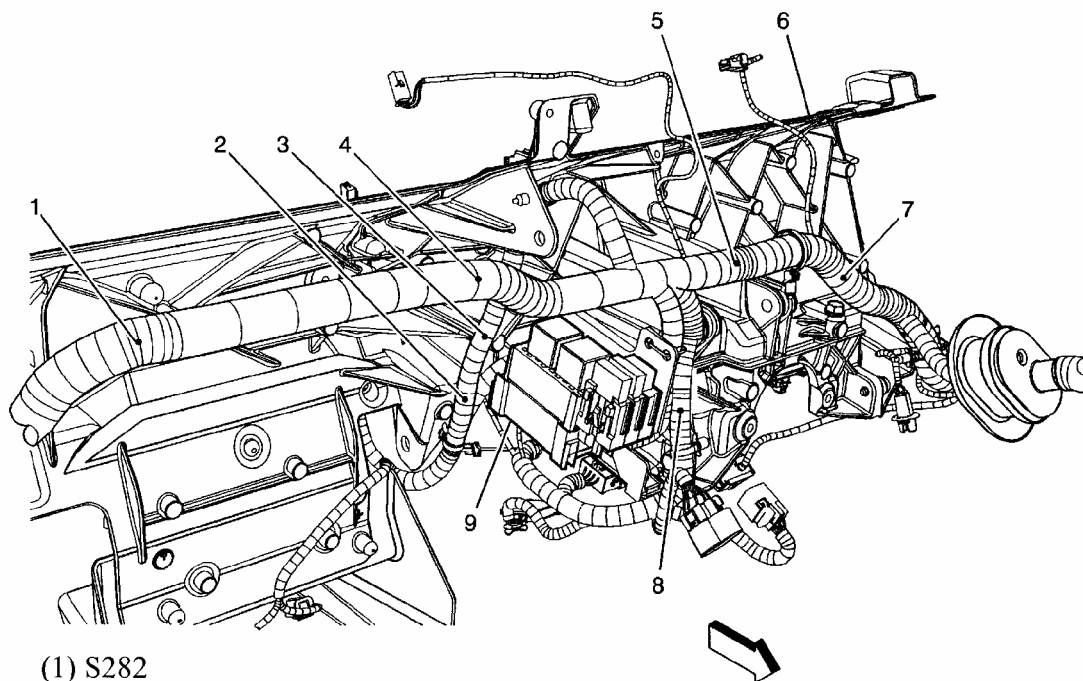
- (1) RF Strut Tower
- (2) Fuse Block - Underhood Positive Battery Terminal (9C1 and 9C3)
- (3) Fusible Links (9C1, 9C3)
- (4) C111
- (5) C101
- (6) Radiator Core Support
- (7) Fuse Block - Underhood C2
- (8) C123 (9C1, 9C3)
- (9) C105
- (10) Fuse Block - Underhood C1
- (11) Fuse Block - Underhood Positive Battery Terminal (9C1 and 9C3)

G00421701

Fig. 63: Engine Compartment
Courtesy of GENERAL MOTORS CORP.

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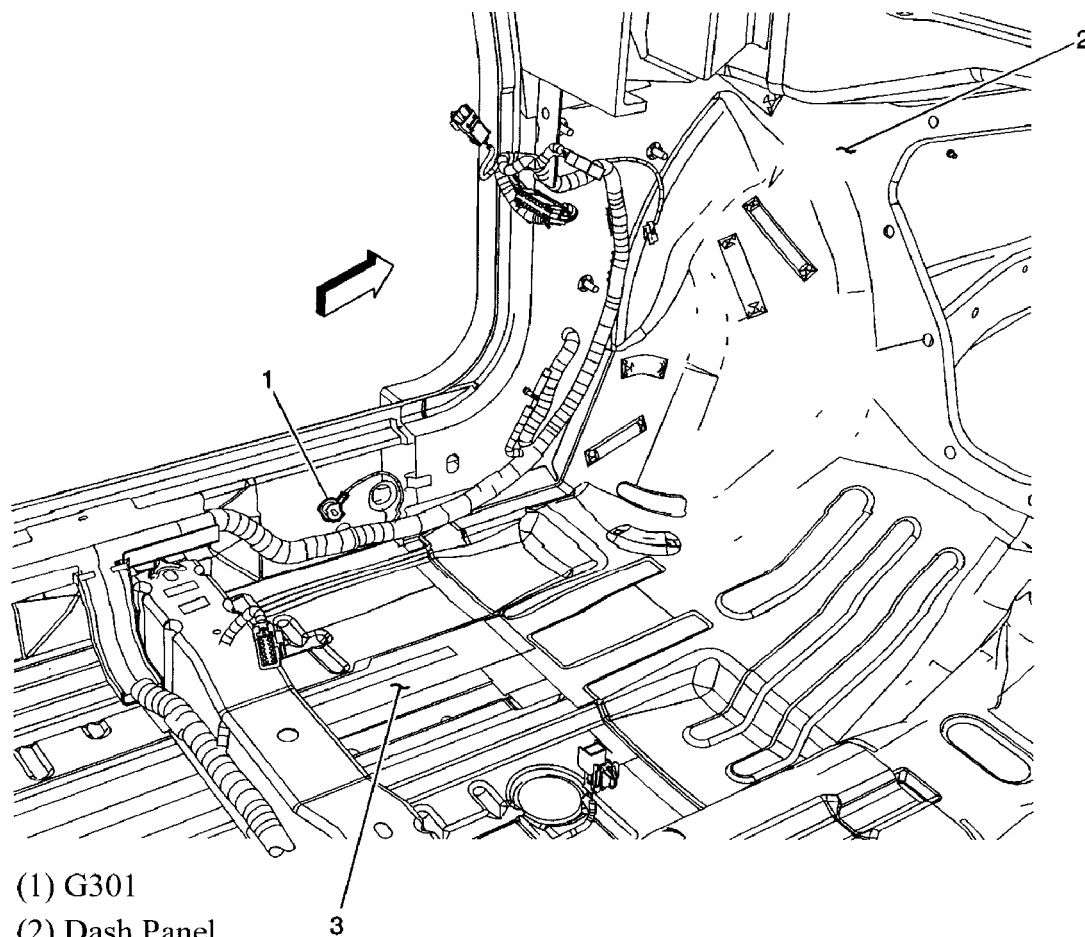
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- (1) S282
- (2) S203
- (3) S239
- (4) S250
- (5) S218
- (6) I/P Carrier
- (7) S259
- (8) S269
- (9) Fuse Block - SEO

G00421702

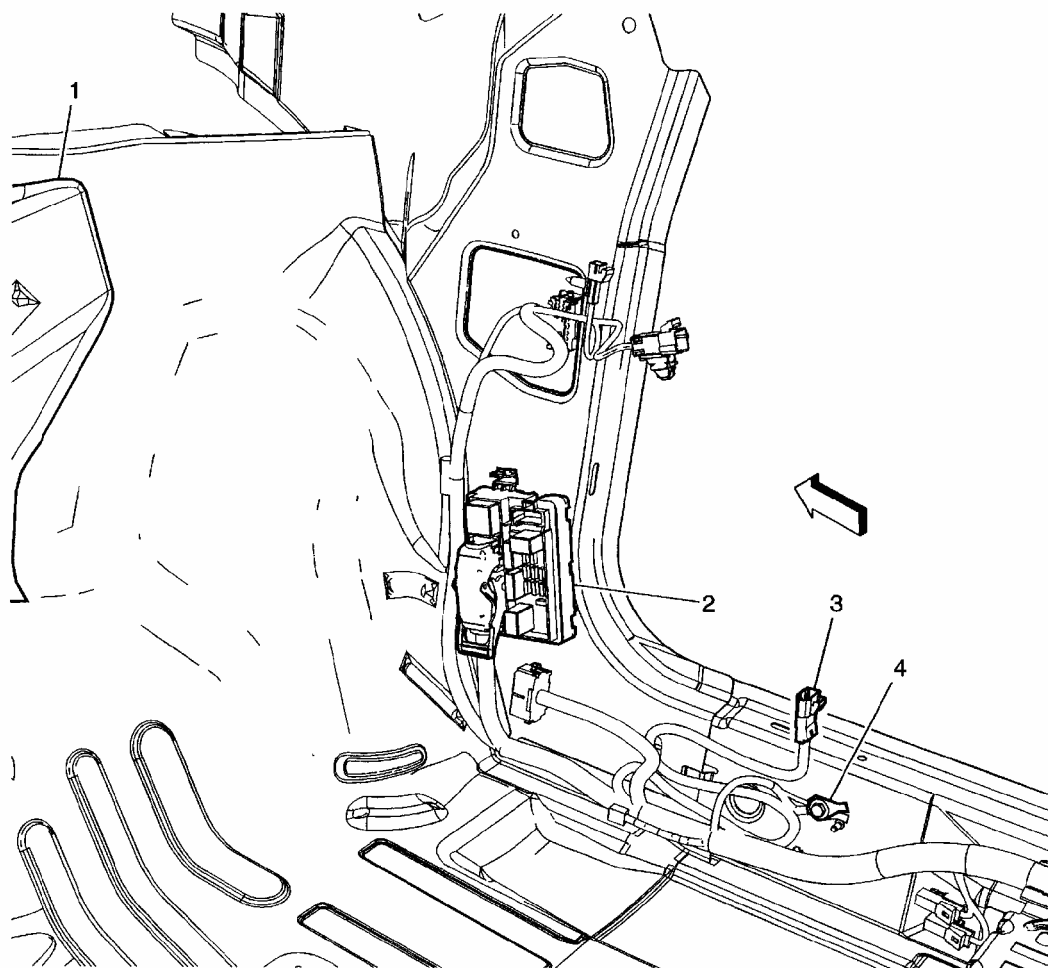
Fig. 64: Rear Of Dash
Courtesy of GENERAL MOTORS CORP.



- (1) G301
- (2) Dash Panel
- (3) Floor Pan

G00421703

Fig. 65: Left Kick Panel
Courtesy of GENERAL MOTORS CORP.



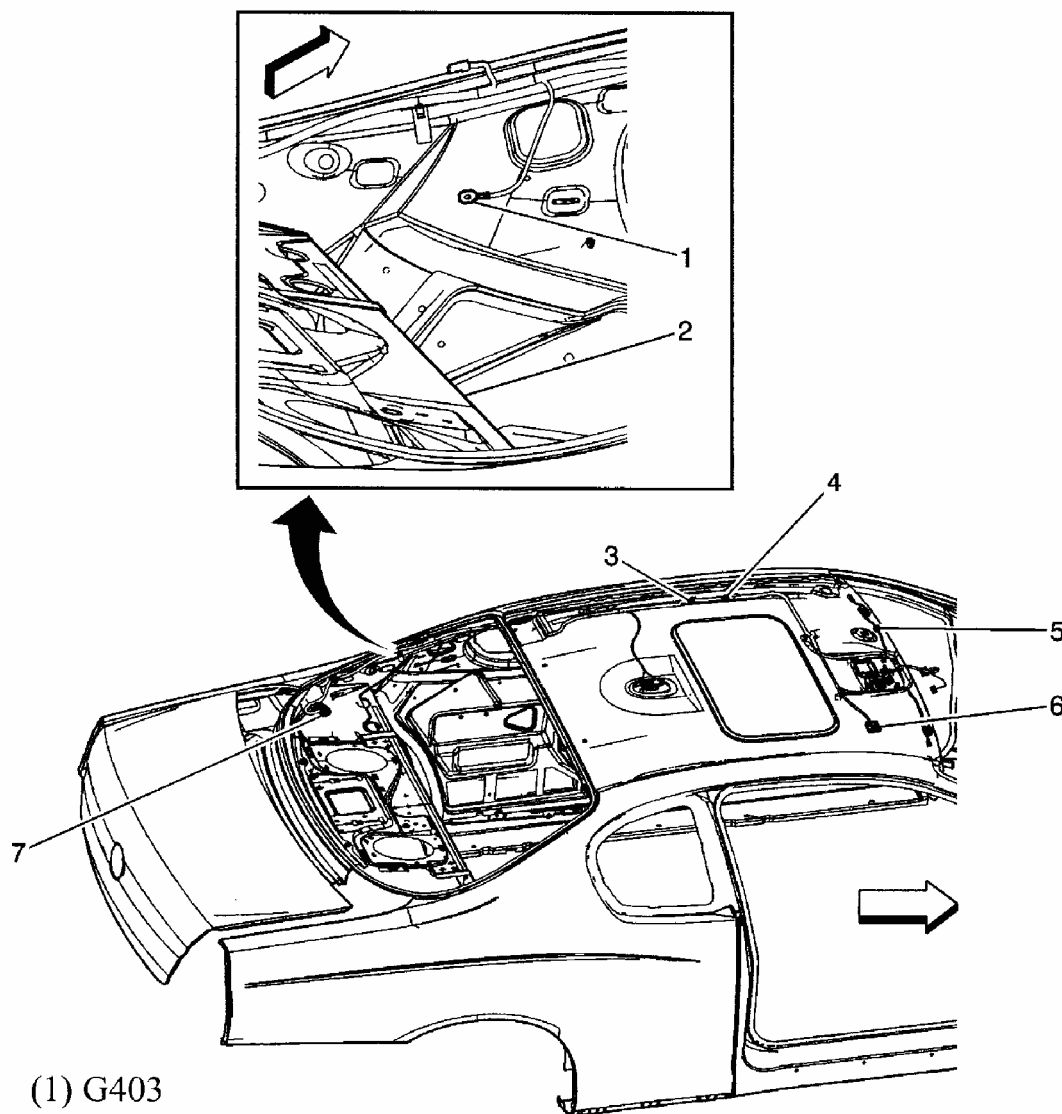
- (1) Dash Panel
- (2) Fuse Block - I/P
- (3) C303
- (4) G302

G00421704

Fig. 66: Right Kick Panel
Courtesy of GENERAL MOTORS CORP.

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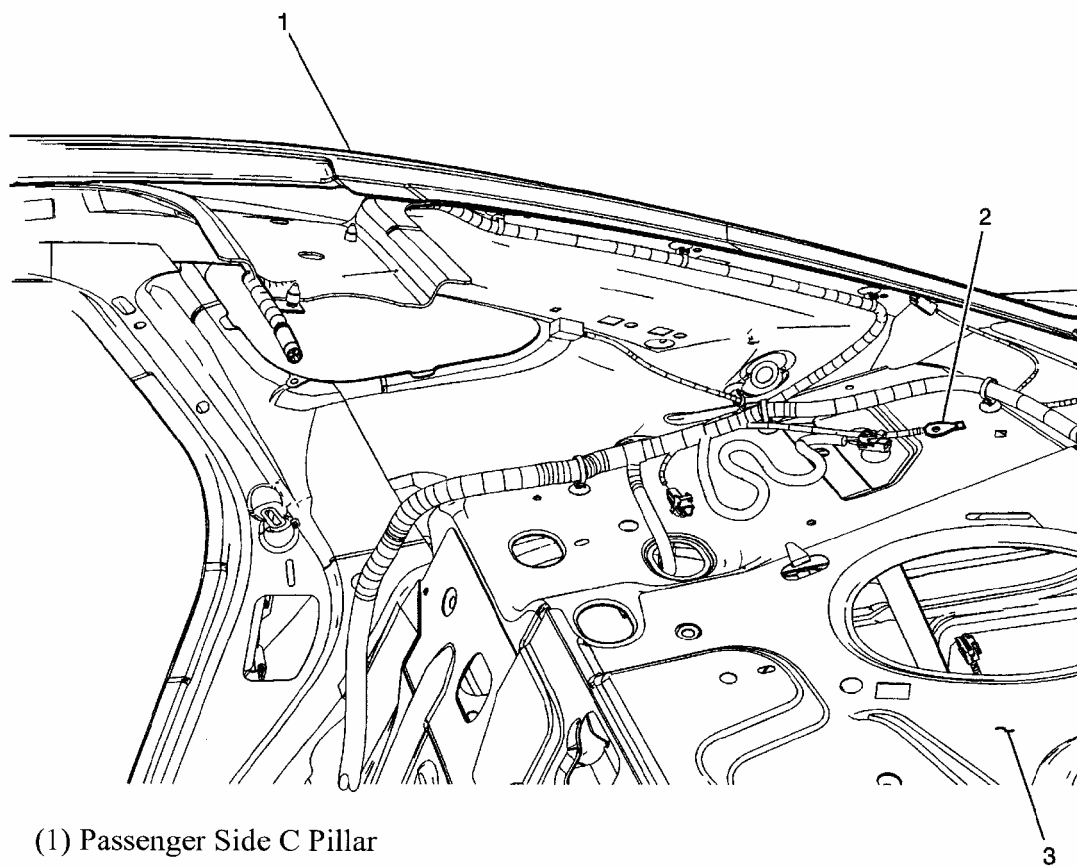
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- (1) G403
- (2) Rear Shelf
- (3) S393
- (4) S390
- (5) S364
- (6) C398 (CF5)
- (7) C490

G00421705

Fig. 67: Vehicle Overview
Courtesy of GENERAL MOTORS CORP.



(1) Passenger Side C Pillar

(2) G404

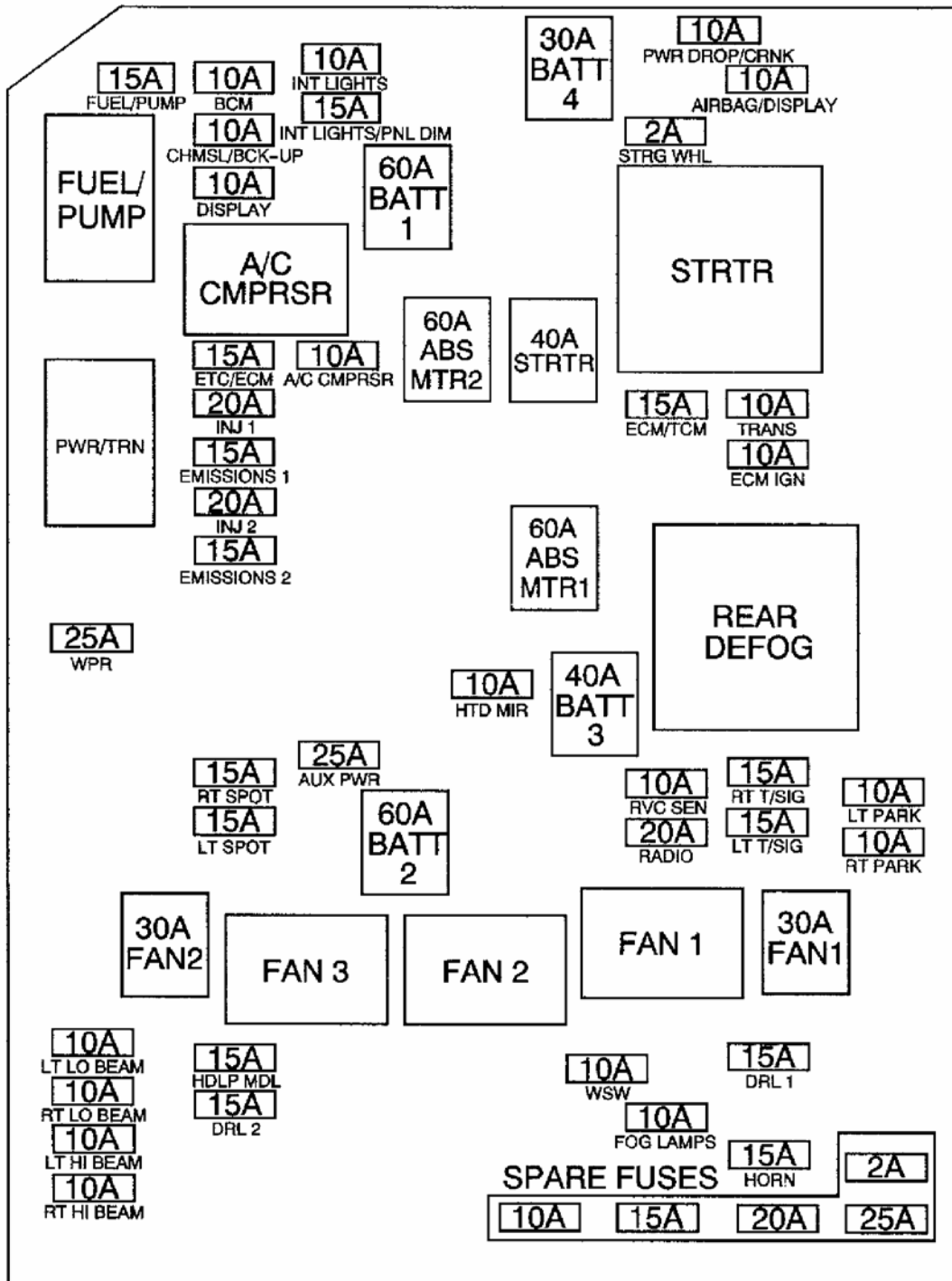
(3) Rear Window Shelf

G00421706

Fig. 68: Right "C" Pillar
Courtesy of GENERAL MOTORS CORP.

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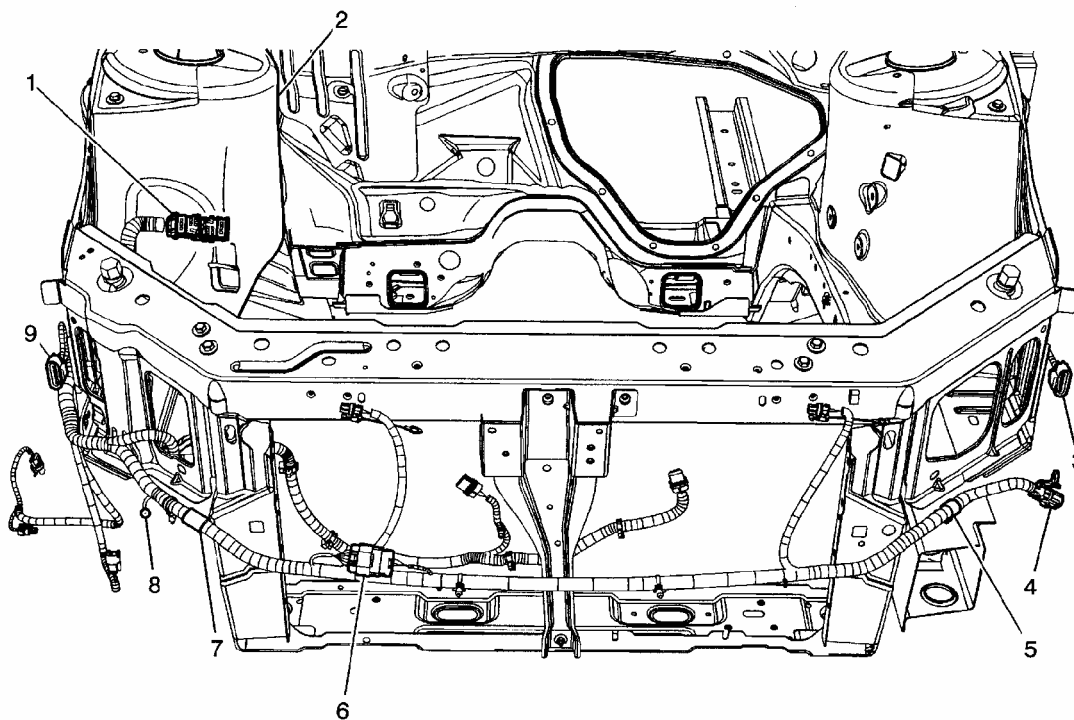


G00421707

Fig. 69: Underhood Fuse Block
 Courtesy of GENERAL MOTORS CORP.

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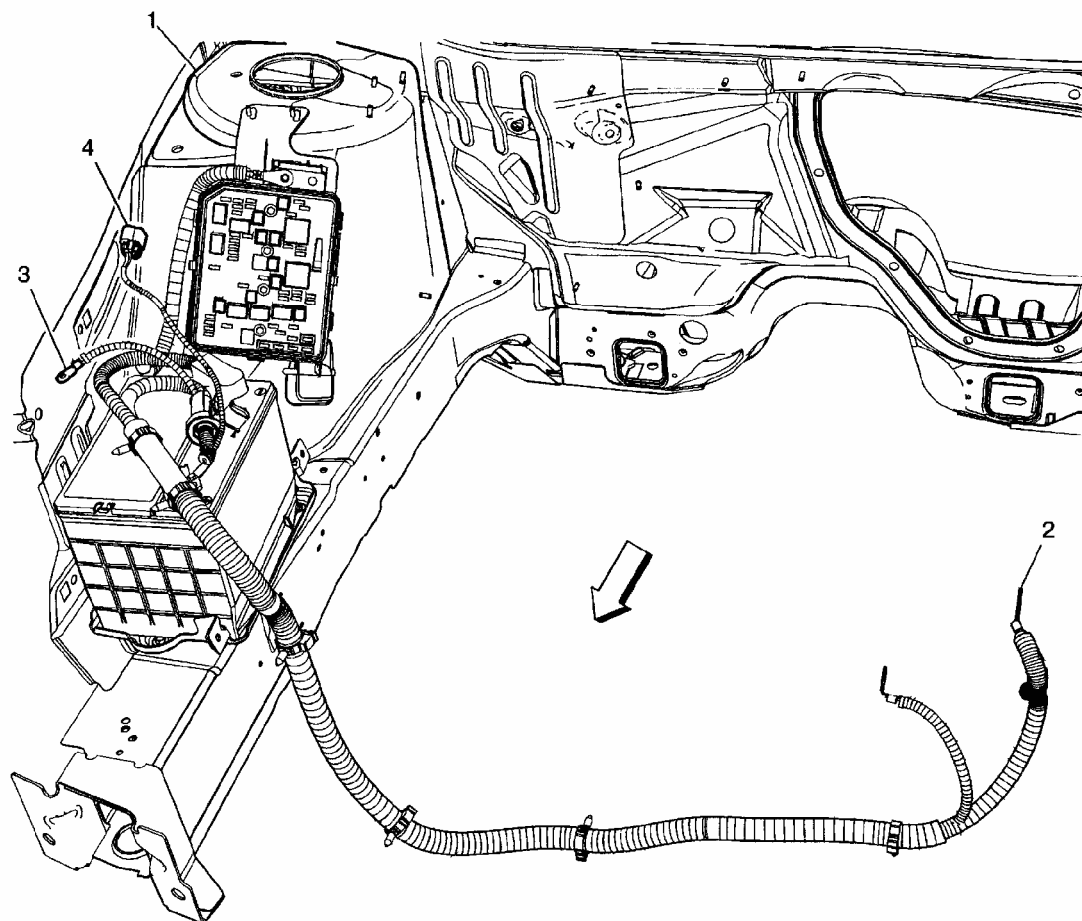
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- (1) Fuse Block - Underhood C3
- (2) RF Strut Tower
- (3) C120
- (4) C141
- (5) G101
- (6) C122 (9C1,9C3 w/o 6J7)
- (7) S124
- (8) G100
- (9) C142

G00421708

Fig. 70: Front Of Vehicle
Courtesy of GENERAL MOTORS CORP.



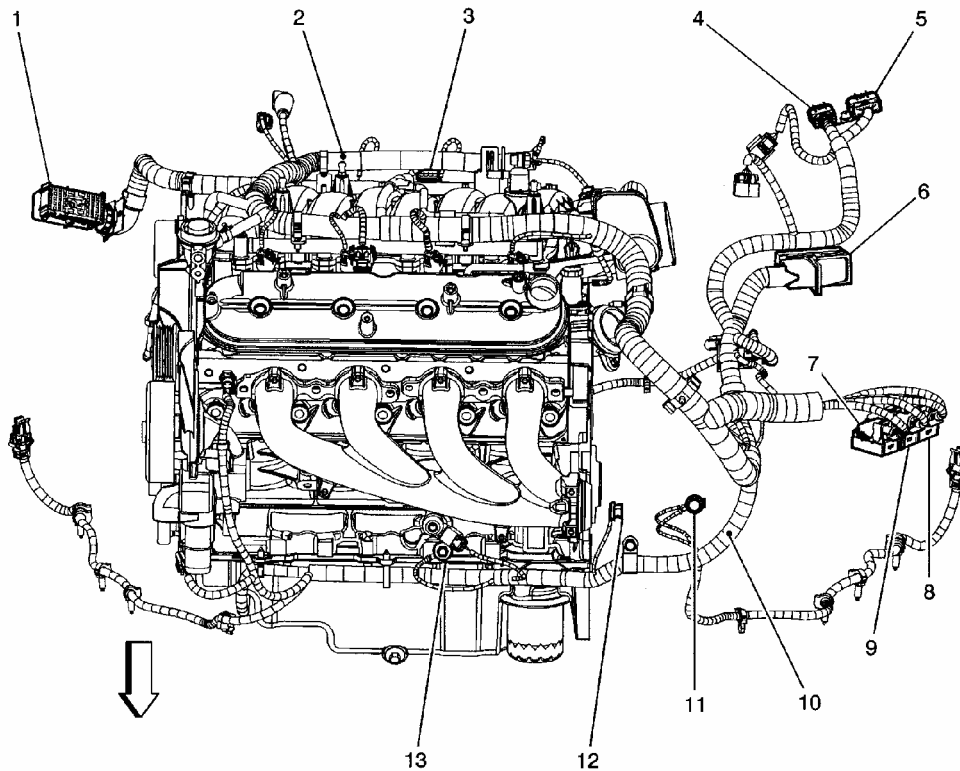
- (1) RF Strut Tower
- (2) G111
- (3) G102
- (4) C105

G00421709

Fig. 71: Right Front Of Engine Compartment
Courtesy of GENERAL MOTORS CORP.

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(1) Fuse Block - Underhood C1

(2) S109

(3) C108

(4) C101

(5) C111

(6) Electronic Brake Control Module (EBCM) C1

(7) Engine Control Module (ECM) C3

(8) Engine Control Module (ECM) C2

(9) Engine Control Module (ECM) C1

(10) S101

(11) G113

(12) G111

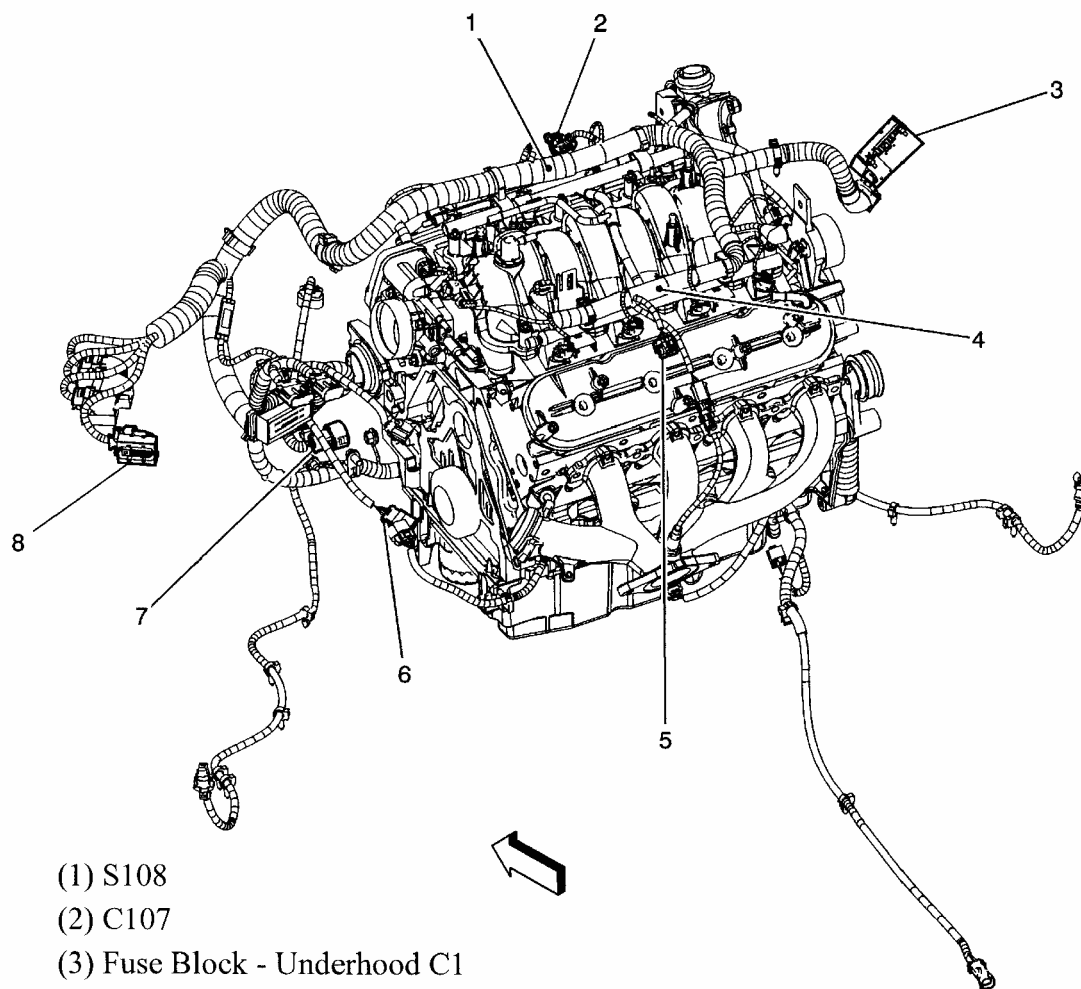
(13) G115

G00421710

Fig. 72: Left Side Of Engine
Courtesy of GENERAL MOTORS CORP.

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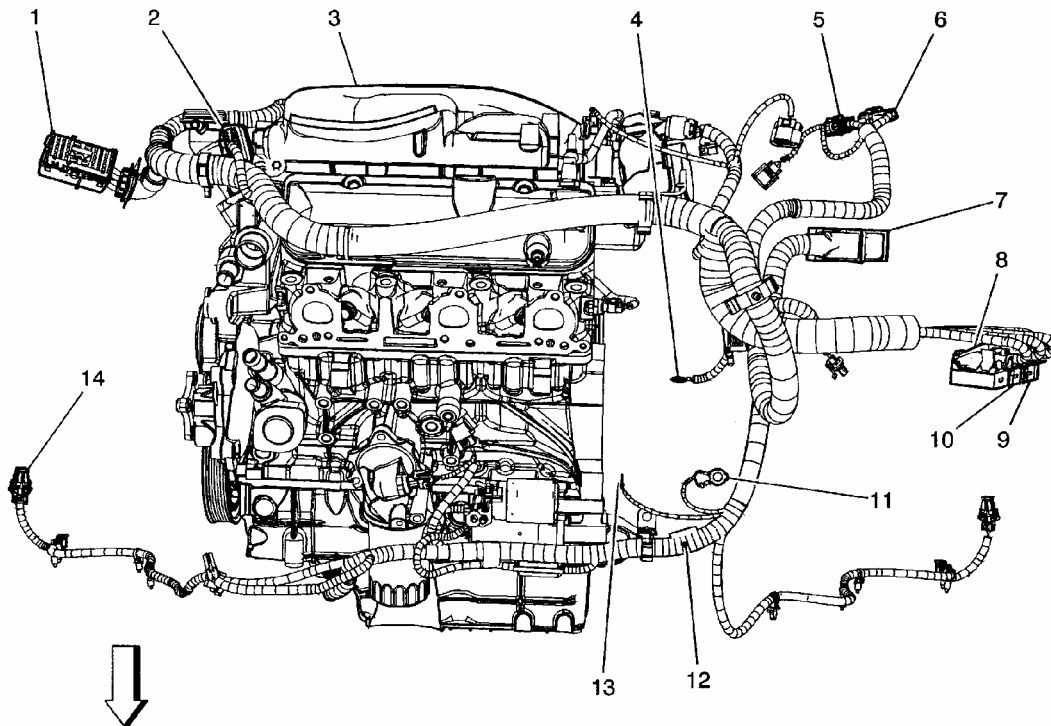
- (1) S108
- (2) C107
- (3) Fuse Block - Underhood C1
- (4) S109
- (5) C108
- (6) C116
- (7) C100
- (8) Transmission Control Module (TCM) Connector

G00421711

Fig. 73: Right Rear Of Engine (5.3L)
Courtesy of GENERAL MOTORS CORP.

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(1) Fuse Block - Underhood C1

(2) C102

(3) Intake Manifold

(4) G115

(5) C101

(6) C111

(7) Electronic Brake Control Module (EBCM)

(8) Engine Control Module (ECM) C1

(9) Engine Control Module (ECM) C3

(10) Engine Control Module (ECM) C2

(11) G113

(12) S101

(13) G111

(14) Wheel Speed Sensor (WSS) - RF

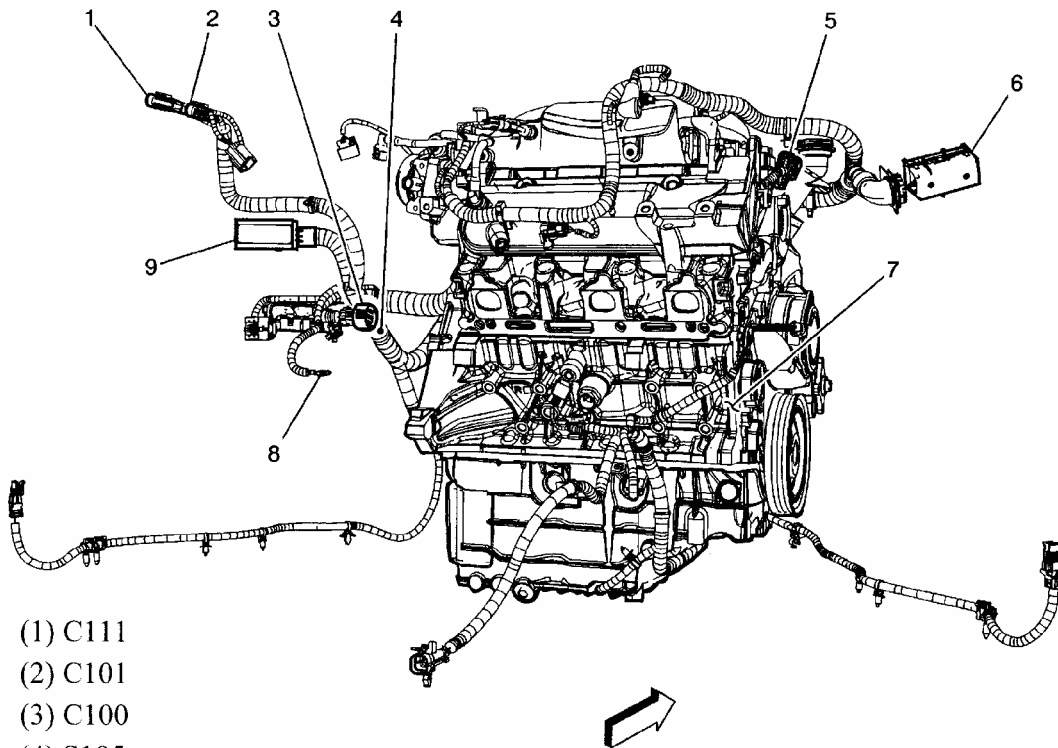
G00421712

Fig. 74: Left Side Of Engine

Courtesy of GENERAL MOTORS CORP.

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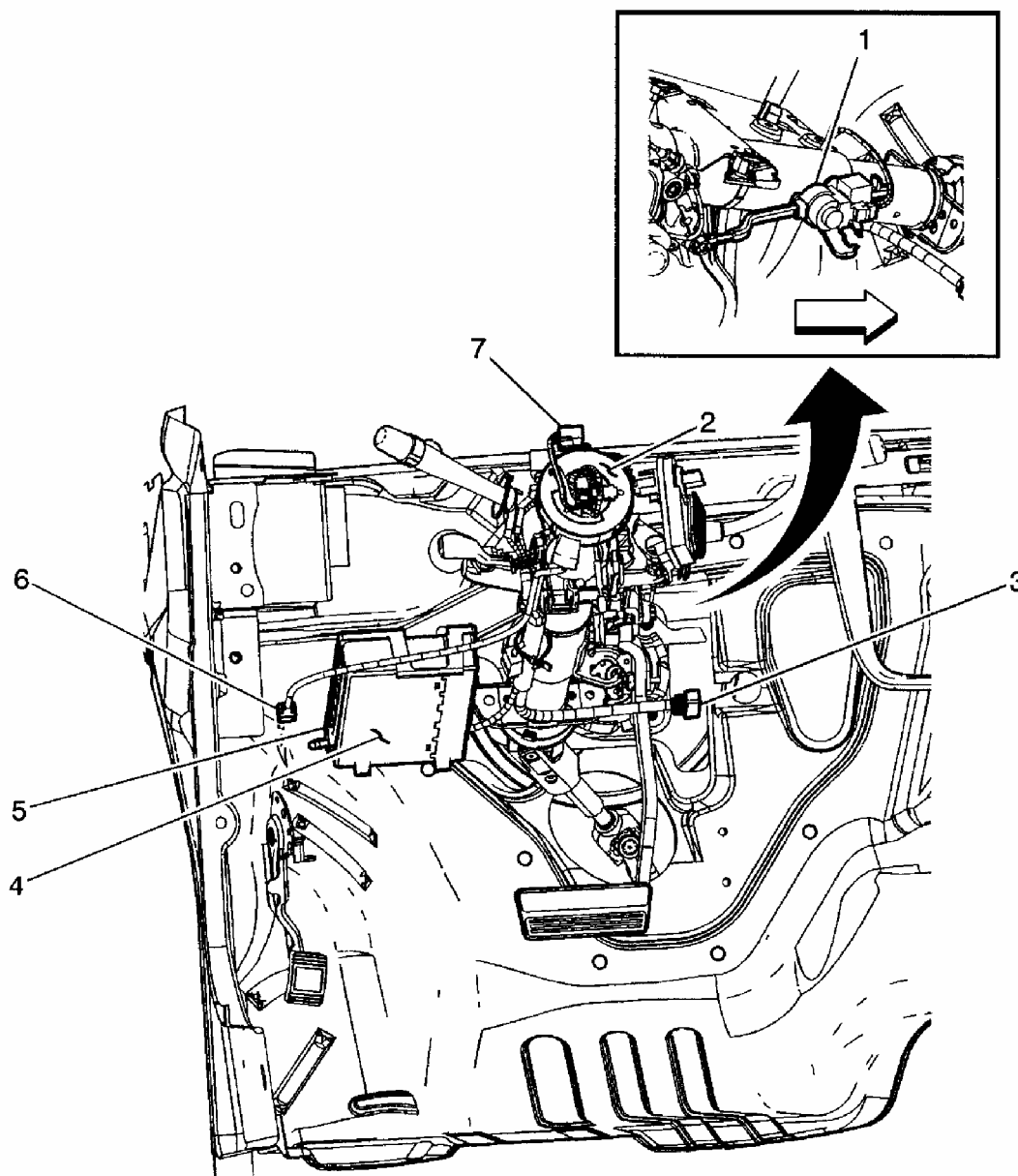
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- (1) C111
- (2) C101
- (3) C100
- (4) S105
- (5) C102
- (6) Fuse Block - Underhood C1 Connector
- (7) Engine Block
- (8) G115
- (9) Electronic Brake Control Module (EBCM) Connector

G00421713

Fig. 75: Right Side Of Engine (3.5L & 3.9L)
Courtesy of GENERAL MOTORS CORP.



- (1) Ignition Lock Cylinder Control Actuator
- (2) Inflatable Restraint Steering Wheel Module Coil
- (3) C201
- (4) Body Control Module (BCM)
- (5) BCM C1
- (6) C250
- (7) C277

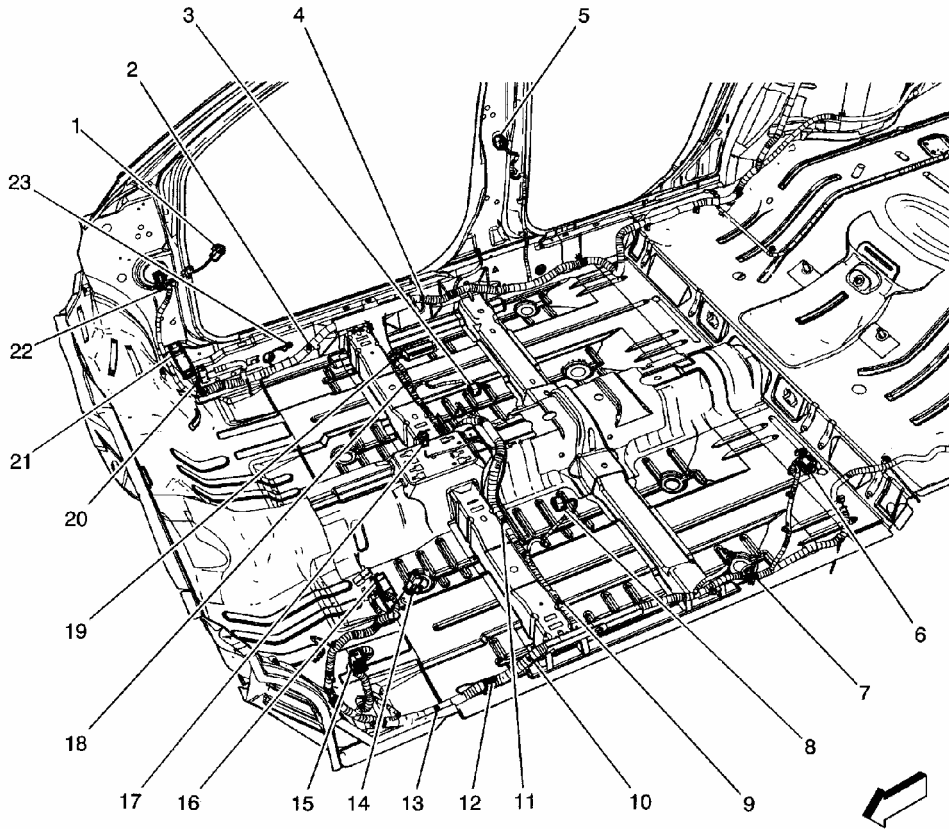
G00421714

Fig. 76: Left Side Of Dash

Courtesy of GENERAL MOTORS CORP.

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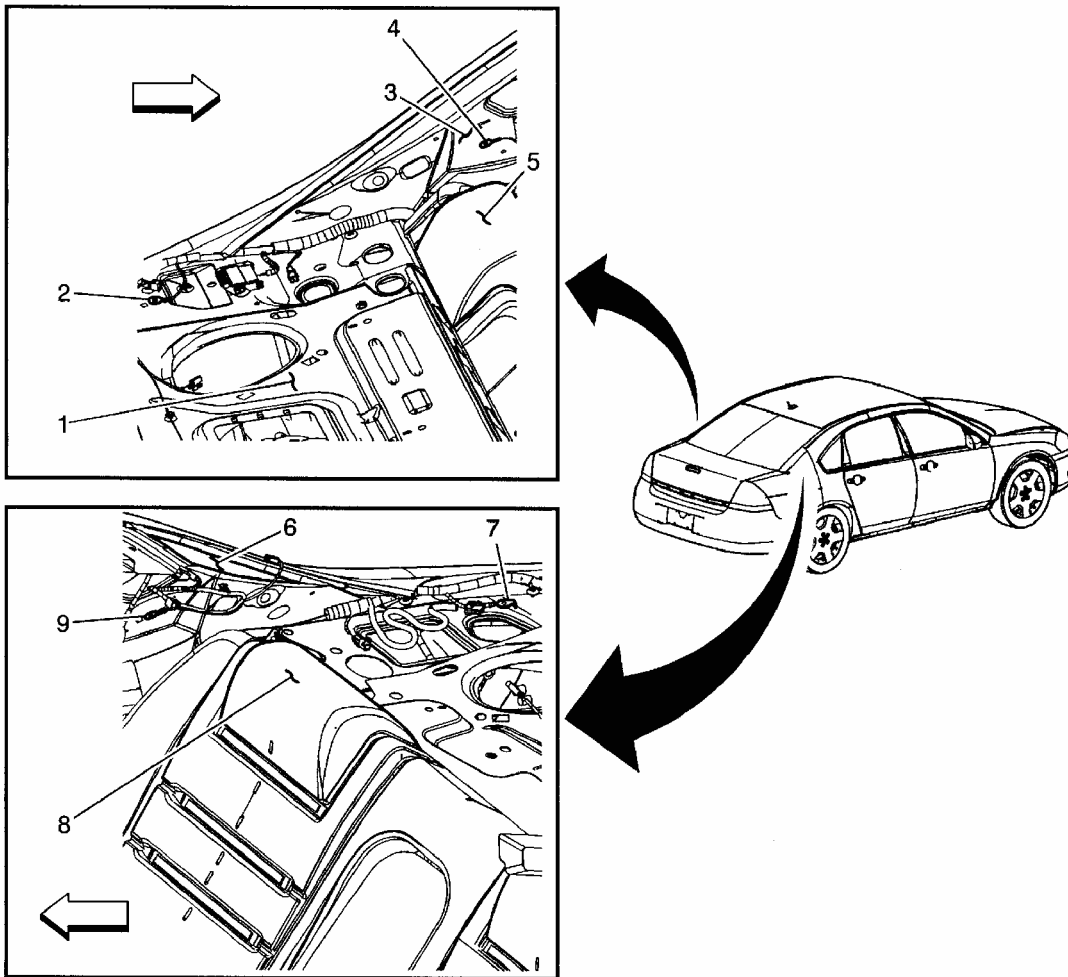
- (1) Inflation Restraint I/P Module Connector
- (2) S350
- (3) C313
- (4) S375
- (5) C356 (Sedan)
- (6) C355 (Sedan)
- (7) S332
- (8) C311

- (9) S303
- (10) S308
- (11) S359
- (12) G301
- (13) S307
- (14) C250
- (15) C301
- (16) C203

- (17) C340
- (18) S315
- (19) S314
- (20) C360
- (21) C200
- (22) C302
- (23) G302

G00421715

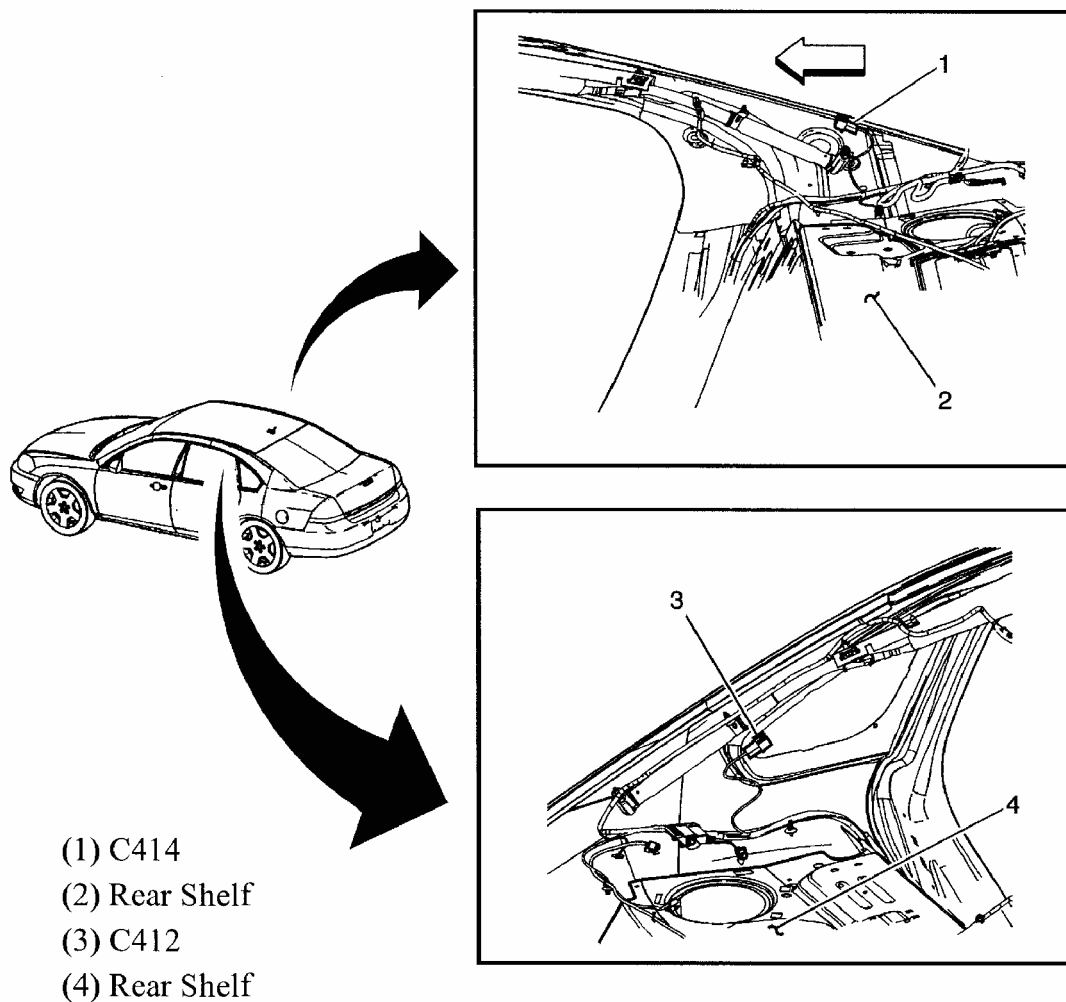
Fig. 77: Floor Pan (Sedan)
Courtesy of GENERAL MOTORS CORP.



- (1) Rear Shelf
- (2) G403 (Sedan)
- (3) Quarter Inner Upper Panel (Coupe)
- (4) G403 (Coupe)
- (5) Rear Seat Back Cushion
- (6) Quarter Inner Upper Panel (Coupe)
- (7) G404 (Sedan)
- (8) Rear Seat Back Cushion
- (9) G404 (Coupe)

G00421716

Fig. 78: Rear Of Passenger Compartment
Courtesy of GENERAL MOTORS CORP.

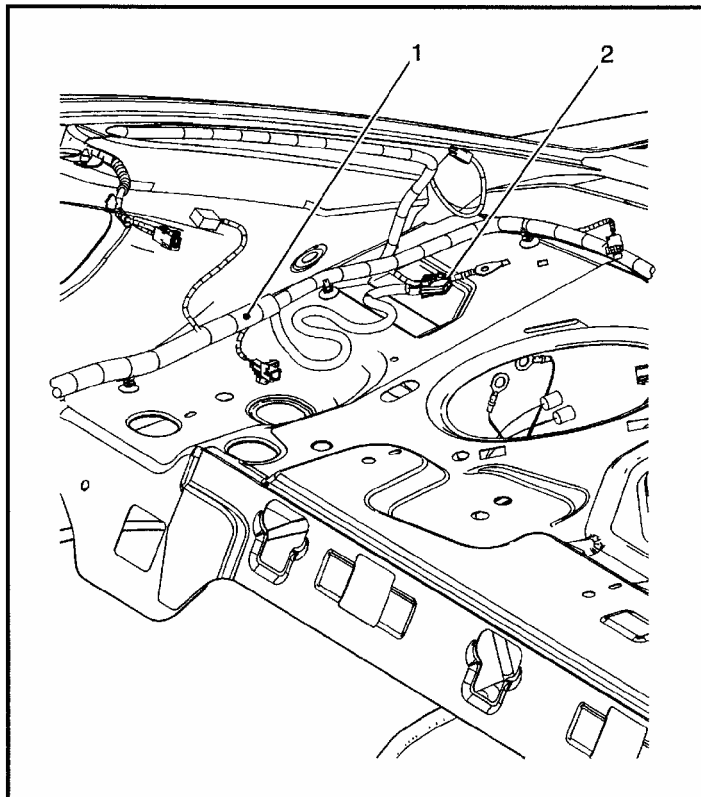
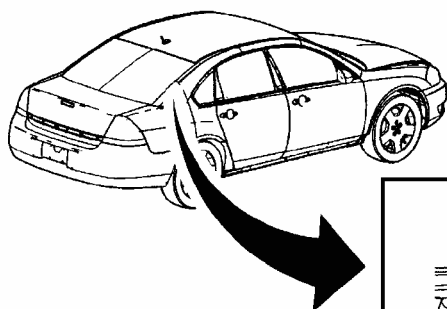


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Fig. 79: Rear Of Passenger Compartment
Courtesy of GENERAL MOTORS CORP.

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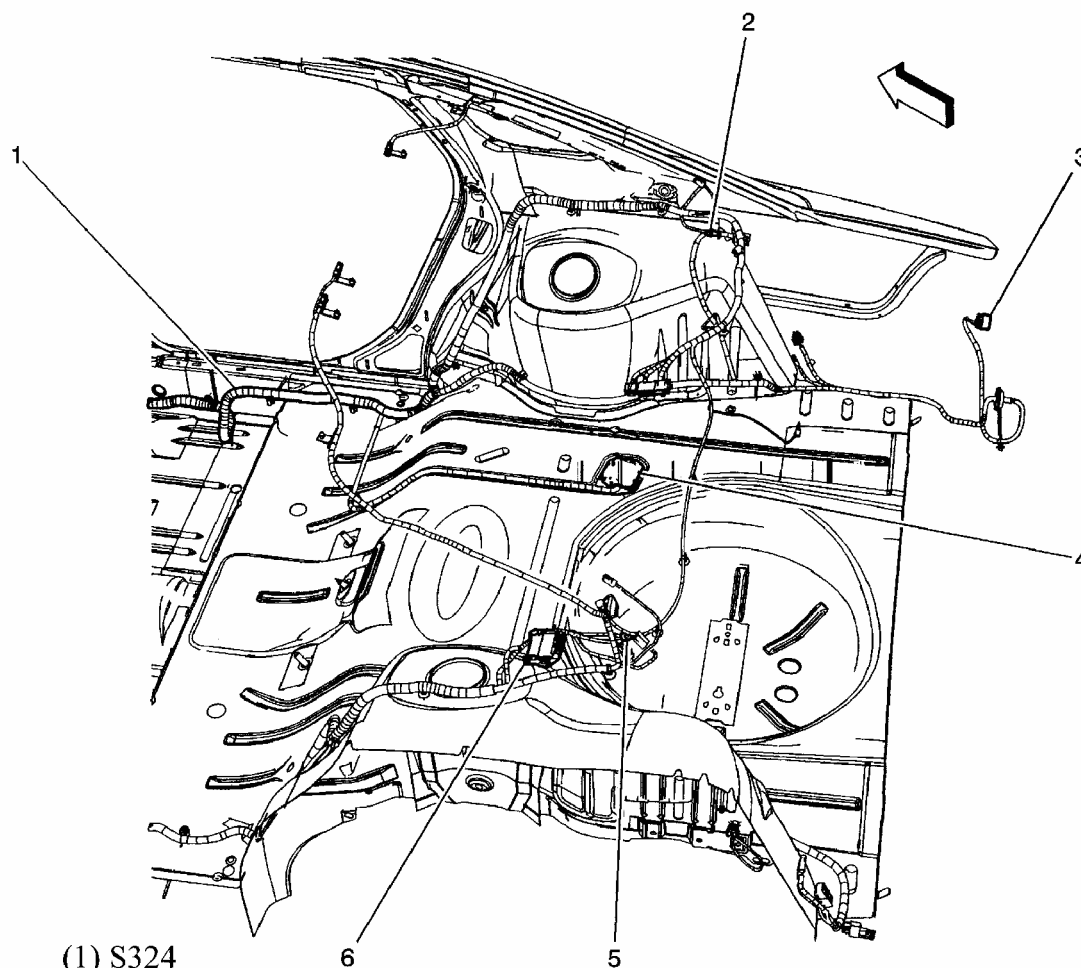
- (1) Body Harness
- (2) C322 (9C1,9C3)

G00421718

Fig. 80: Rear Shelf
Courtesy of GENERAL MOTORS CORP.

2006 Chevrolet Impala LS

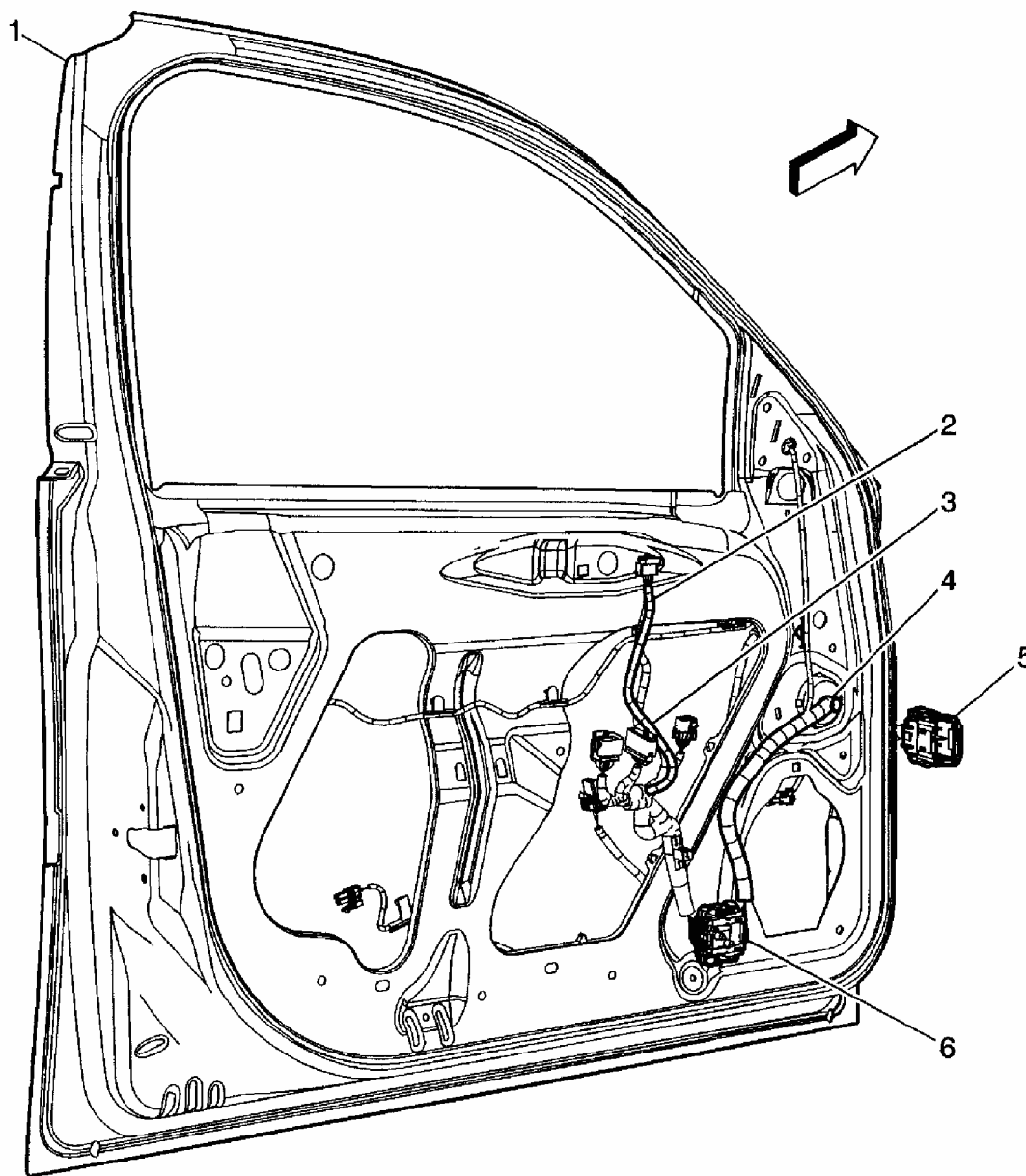
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- (1) S324
- (2) G404
- (3) C406
- (4) C405
- (5) G403
- (6) C490

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Fig. 81: Rear Body Harness
Courtesy of GENERAL MOTORS CORP.



(1) Door Frame

(2) S506

(3) S504

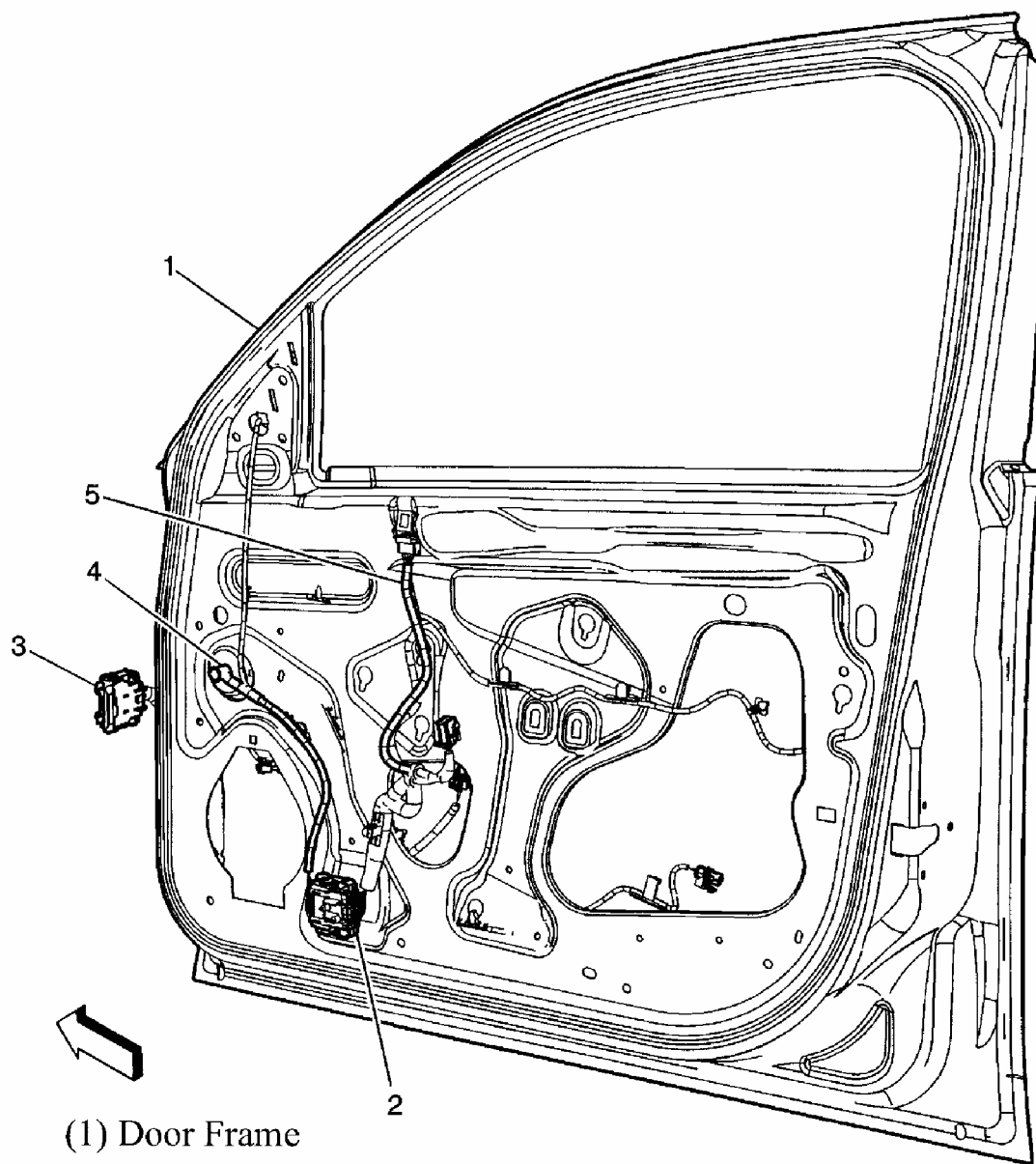
(4) S505

(5) C301

(6) C503

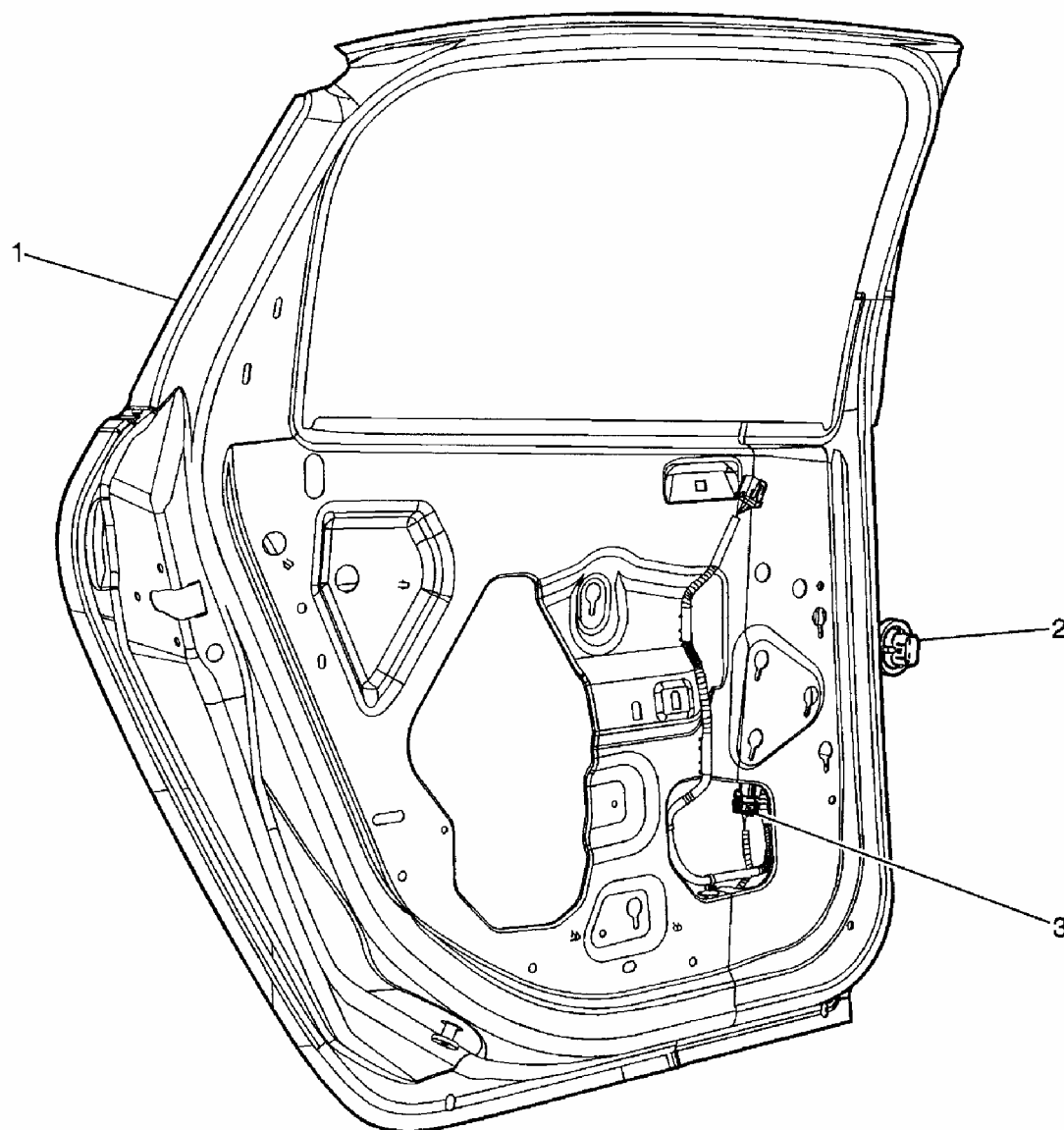
G00421720

Fig. 82: Driver's Door (Sedan)
Courtesy of GENERAL MOTORS CORP.



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Fig. 83: Front Passenger Door Harness (Sedan)
Courtesy of GENERAL MOTORS CORP.



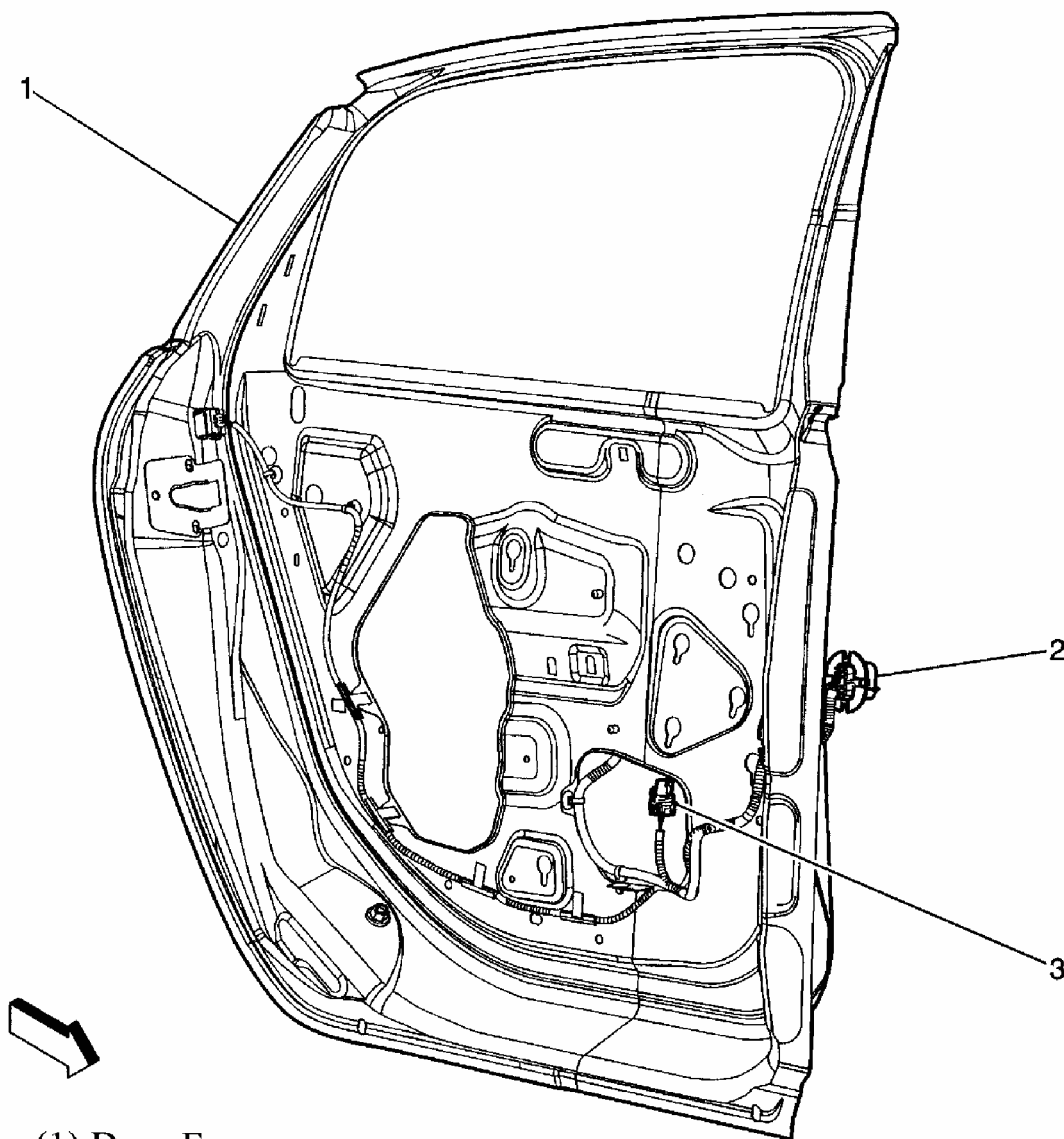
(1) Door Frame

(2) C355

(3) Window Motor - LR Connector

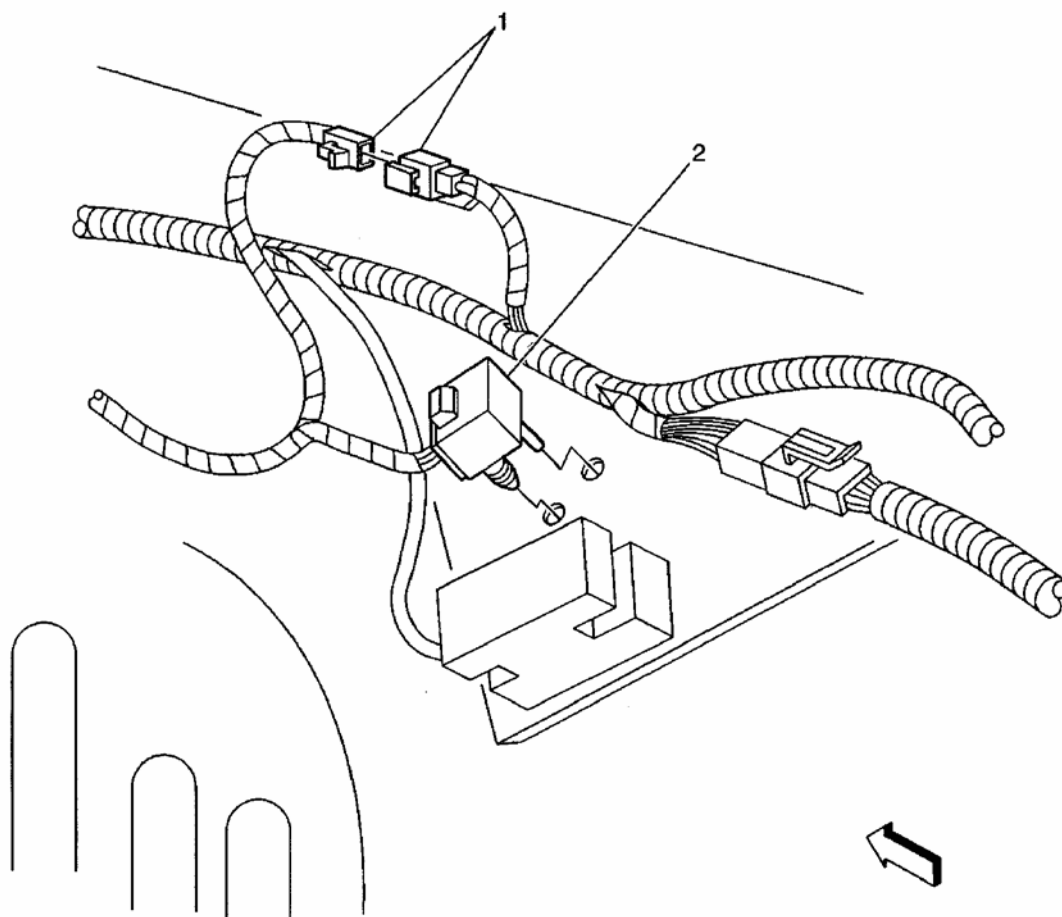
G00421722

Fig. 84: Left Rear Door Harness (Sedan)
Courtesy of GENERAL MOTORS CORP.



G00421723

Fig. 85: Right Rear Door Harness (Sedan)
Courtesy of GENERAL MOTORS CORP.



(1) C409

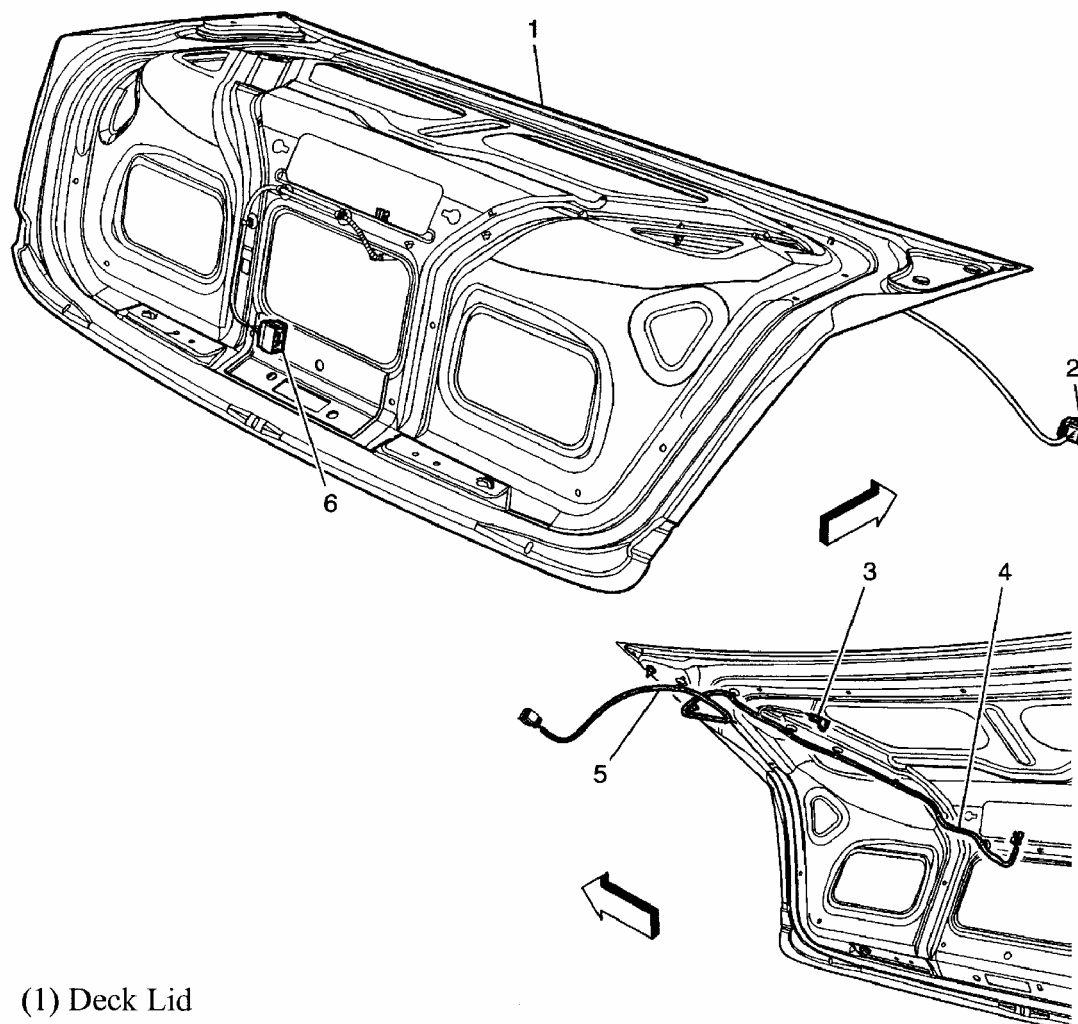
(2) Emergency Vehicle Rear Compartment Lid Lamps Relay

G00421724

Fig. 86: Rear Compartment
Courtesy of GENERAL MOTORS CORP.

2006 Chevrolet Impala LS

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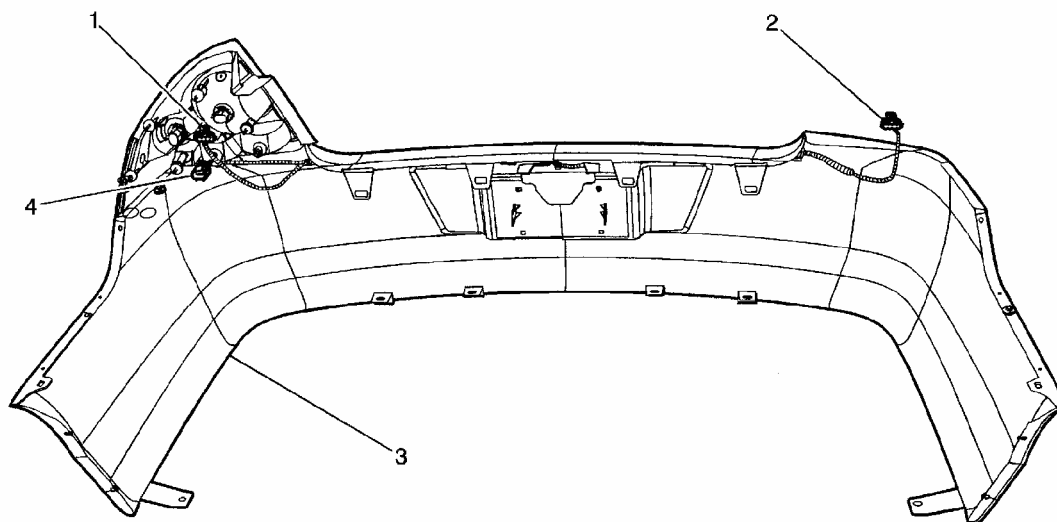
- (1) Deck Lid
- (2) C430 (Coupe)
- (3) C432 (9C1 and 9C3)
- (4) S901
- (5) S902
- (6) Rear Compartment Lid Release Actuator Connector

G00421725

Fig. 87: Deck Lid
Courtesy of GENERAL MOTORS CORP.

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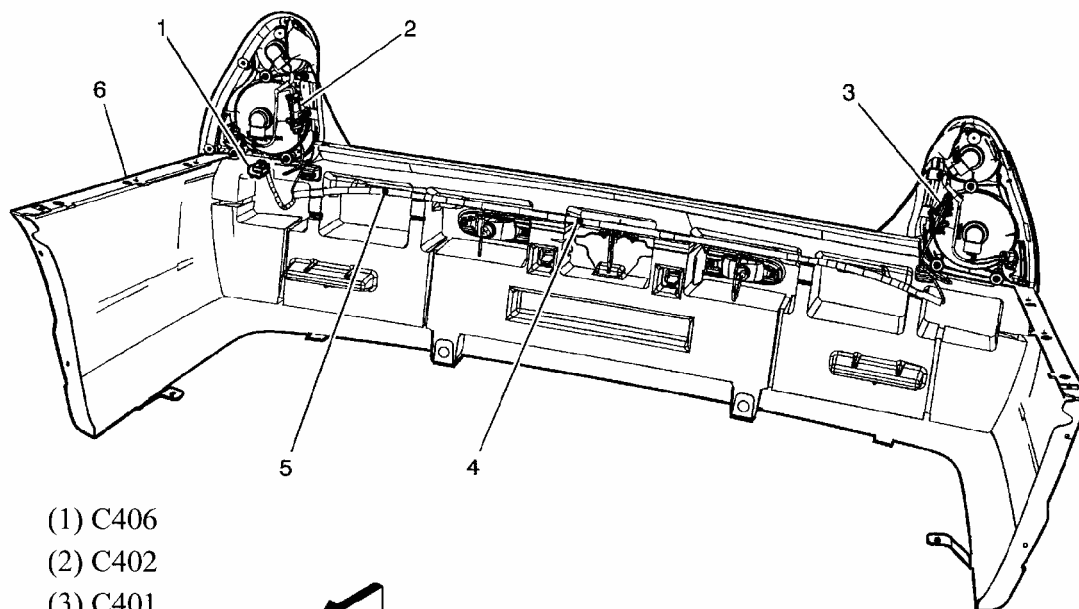
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- (1) C402
- (2) C401
- (3) Rear Fascia
- (4) C406

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Fig. 88: Rear Bumper (Sedan)
Courtesy of GENERAL MOTORS CORP.



- (1) C406
- (2) C402
- (3) C401
- (4) S485
- (5) S430
- (6) Rear Fascia

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Fig. 89: Rear Bumper (Coupe)
Courtesy of GENERAL MOTORS CORP.