

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer

### 2006 GENERAL MOTORS

Envoy, Envoy XL, Rainier & TrailBlazer

## BUZZERS, RELAYS & TIMERS

### BUZZERS, RELAYS & TIMERS LOCATION

Component	Location
A/C Relay (4.2L)	On underhood fuse block. See <b>Fig. 108</b> .
A/C Relay (5.3L/6.0L)	In underhood fuse block. See <b>Fig. 109</b> .
AIR SOL Relay	In underhood fuse block. See <b>Fig. 108</b> .
Auxiliary Water Pump Relay 1	Right rear of engine compartment.
Cooling Fan Relay	On underhood fuse block.
EAP Relay (4.2L)	In underhood fuse block. See <b>Fig. 108</b> .
EAP Relay (5.3L/6.0L)	In underhood fuse block. See <b>Fig. 109</b> .
Electronic Adjustable Pedals (EAP) Relay	Left side of dash, on pedal assembly. See <b>Fig. 61</b> .
FAN Relay (4.2L)	In underhood fuse block. See <b>Fig. 108</b> .
FAN Relay (5.3L/6.0L)	In underhood fuse block. See <b>Fig. 109</b> .
FOG LP Relay (4.2L)	On underhood fuse block. See <b>Fig. 108</b> .
FOG LP Relay (5.3L/6.0L)	In underhood fuse block. See <b>Fig. 109</b> .
F/PMP Relay (4.2L)	In underhood fuse block. See <b>Fig. 108</b> .
F/PMP Relay (5.3L/6.0L)	In underhood fuse block. See <b>Fig. 109</b> .
Fuel Pump Relay	On underhood fuse block.
HDLP - HI Relay (4.2L)	In underhood fuse block. See <b>Fig. 108</b> .
HDLP - HI Relay (5.3L/6.0L)	In underhood fuse block. See <b>Fig. 109</b> .
HDLP WASH Relay (4.2L)	On underhood fuse block. See <b>Fig. 108</b> .
HDLP WASH Relay (5.3L/6.0L)	In underhood fuse block. See <b>Fig. 109</b> .
HDM Relay (4.2L)	In underhood fuse block. See <b>Fig. 108</b> .
HDM Relay (5.3L/6.0L)	In underhood fuse block. See <b>Fig. 109</b> .
Headlamp Driver Module	On underhood fuse block.
Headlamp Hi-Beam Relay	On underhood fuse block.
HORN Relay (4.2L)	On underhood fuse block. See <b>Fig. 108</b> .
HORN Relay (5.3L/6.0L)	In underhood fuse block. See <b>Fig. 109</b> .
LOCK Relay (Long Wheel Base)	In rear fuse block. See <b>Fig. 111</b> .
LOCK Relay (Short Wheel Base)	On rear fuse block. See <b>Fig. 110</b> .

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LOCK Relay (XUV)	In rear fuse block. See <b>Fig. 112</b> .
MIDGATE Relay (XUV)	In rear fuse block. See <b>Fig. 112</b> .
PARK LP Relay (Long Wheel Base)	In rear fuse block. See <b>Fig. 111</b> .
PARK LP Relay (Short Wheel Base)	On rear fuse block. See <b>Fig. 110</b> .
PARK LP Relay (XUV)	In rear fuse block. See <b>Fig. 112</b> .
RAP Relay	In rear fuse block. See <b>Fig. 111</b> .
REAR WASH Relay (4.2L)	On underhood fuse block. See <b>Fig. 108</b> .
REAR WASH Relay (5.3L/6.0L)	In underhood fuse block. See <b>Fig. 109</b> .
RR FOG LP Relay (Long Wheel Base)	In rear fuse block. See <b>Fig. 111</b> .
RR FOG Relay (Short Wheel Base)	On rear fuse block. See <b>Fig. 110</b> .
RT DOORS Relay (XUV)	In rear fuse block. See <b>Fig. 112</b> .
Secondary Air Injection (AIR) Pump Relay	Left front of chassis. See <b>Fig. 133</b> .
Starter Relay (4.2L)	On underhood fuse block. See <b>Fig. 108</b> .
Starter Relay (5.3L/6.0L)	In underhood fuse block. See <b>Fig. 109</b> .
Unlock Relay (Long Wheel Base)	In rear fuse block. See <b>Fig. 111</b> .
UNLOCK Relay (Short Wheel Base)	On rear fuse block. See <b>Fig. 110</b> .
UNLOCK Relay (XUV)	In rear fuse block. See <b>Fig. 112</b> .
W/S WASH Relay (4.2L)	On underhood fuse block. See <b>Fig. 108</b> .
W/S WASH Relay (5.3L/6.0L)	In underhood fuse block. See <b>Fig. 109</b> .

## CIRCUIT PROTECTION DEVICES

### CIRCUIT PROTECTION DEVICES LOCATION

Component	Location
Blower Motor Resistor Assembly	Lower right side of dash. See <b>Fig. 20</b> .
In-Line 30A Fuse	Right rear of vehicle.
LT DOORS Circuit Breaker (Long Wheel Base)	In rear fuse block. See <b>Fig. 111</b> .
LT DOORS Circuit Breaker (Short Wheel Base)	On rear fuse block. See <b>Fig. 110</b> .
LT DOORS Circuit Breaker (XUV)	In rear fuse block. See <b>Fig. 112</b> .
Rear Fuse Block	Below left rear seat. See <b>Fig. 76</b> .
RT DOORS Circuit Breaker (Long Wheel Base)	In rear fuse block. See <b>Fig. 111</b> .
RT DOORS Circuit Breaker (Short Wheel	In rear fuse block. See <b>Fig. 110</b> .

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Base)	
RT DOORS Circuit Breaker (XUV)	In rear fuse block. See <b>Fig. 112</b> .
Seats Circuit Breaker (Long Wheel Base)	In rear fuse block. See <b>Fig. 111</b> .
Seats Circuit Breaker (Short Wheel Base)	On rear fuse block. See <b>Fig. 110</b> .
Seats Circuit Breaker (XUV)	In rear fuse block. See <b>Fig. 112</b> .
Underhood Fuse Block	On left side of engine compartment. See <b>Fig. 1</b> .

## CONTROL UNITS

### CONTROL UNITS LOCATION

Component	Location
Antenna Amplifier Module (Sedan)	Rear center of roof, under headliner.
Auxiliary Blower Motor Control Processor	In rear HVAC module, behind right rear interior panel. See <b>Fig. 22</b> .
Blower Motor Control Processor	Lower right side of dash. See <b>Fig. 28</b> .
Blower Motor Control Processor-Auxiliary	Right rear of luggage compartment. See <b>Fig. 30</b> .
Body Control Module (BCM)	Beneath left rear seat, on rear fuse block. See <b>Fig. 76</b> .
Body Control Module Connectors	Beneath left rear seat, on rear fuse block. See <b>Fig. 76</b> .
Driver Door Module (DDM)	Below driver's door switch panel. See <b>Fig. 83</b> .
Driver Door Module (DDM) Connector	In left front door. See <b>Fig. 85</b> .
Electronic Brake Control Module (EBCM)	On inner left frame rail, beside transmission. See <b>Fig. 39</b> .
Electronic Brake Control Module (EBCM) Connector	On inner left frame rail, beside transmission. See <b>Fig. 39</b> .
Engine Control Module (ECM) (5.3 L)	Near lower left front of engine.
Front Passenger Door Module (FPDM)	Below front passenger door switch panel. See <b>Fig. 82</b> .
Headlamp Driver Module	On underhood fuse block.
HVAC Control Module	Center of dash. See <b>Fig. 19</b> .
HVAC Control Module-Auxiliary	Under lower console. See <b>Fig. 21</b> .
Ignition Coil/Module (6)	On top of valve cover, above respective

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	cylinder.
Inflatable Restraint Front Passenger Presence System (PPS) Module	Under passenger seat.
Inflatable Restraint I/P Module	Right side of dash. See <b>Fig. 55</b> .
Inflatable Restraint Roof Rail Module - Left	In roof above driver door.
Inflatable Restraint Roof Rail Module - Right	In roof, above front passenger's door.
Inflatable Restraint Sensing & Diagnostic Module (SDM)	Below rear of center console. See <b>Fig. 59</b> .
Inflatable Restraint Side Impact Module-Left	Left side of driver's seat. See <b>Fig. 60</b> .
Inflatable Restraint Side Impact Module-Right	In right front seat back. See <b>Fig. 57</b> .
Inflatable Restraint Side Impact Sensing Module (Left)	In left front seat back.
Inflatable Restraint Steering Wheel Module	In steering wheel. See <b>Fig. 56</b> .
Liftgate Module (LGM)	In center of liftgate. See <b>Fig. 78</b> .
Memory Seat Module	Below left front seat. See <b>Fig. 94</b> .
Powertrain Control Module (PCM) (4.2L)	On upper left side of engine. See <b>Fig. 126</b> .
Powertrain Control Module (PCM) (5.3L/6.0L)	Near lower left front of engine.
Rear Window Wiper Module	Mounted on center lower liftgate back glass.
RSA/HVAC Control Module	Below center console. See <b>Fig. 21</b> .
Sunroof Module	At rear of sunroof assembly. See <b>Fig. 92</b> .
Transfer Case Shift Control Module	Behind lower left side of dash.
Turn Signal/Hazard Flasher Module	Behind lower left side of dash. See <b>Fig. 89</b> .
Vehicle Communication Interface Module (VCIM) (Long Wheelbase)	Right rear floor pan. See <b>Fig. 65</b> .
Vehicle Communication Interface Module (VCIM) (Short Wheelbase)	Under right rear seat. See <b>Fig. 64</b> .

## MOTORS

### MOTORS LOCATION

Component	Location
Air Suspension Compressor Assembly (Except XL)	Behind right rear wheelwell, on frame rail. See <b>Fig. 32</b> .
Air Suspension Compressor Assembly (XL)	On left rear frame rail, near spare tire. See



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	<b><u>Fig. 33</u></b> .
Air Temperature Actuator-Auxiliary (Long Wheelbase)	Right rear of vehicle.
Air Temperature Actuator (Left)	Behind left center of dash. See <b><u>Fig. 17</u></b> .
Air Temperature Actuator (Right)	Behind right center of dash. See <b><u>Fig. 17</u></b> .
Blower Motor	Below right side of dash. See <b><u>Fig. 20</u></b> .
Blower Motor (Auxiliary) (Except XL)	Below center of dash.
Blower Motor (Auxiliary) (XL)	On right side of cargo area, behind trim panel.
Console Mode Actuator	Under lower console. See <b><u>Fig. 21</u></b> .
Defrost Actuator	Behind upper left center of dash. See <b><u>Fig. 17</u></b> .
Engine Cooling Fan	Front of engine (4.2L). See <b><u>Fig. 40</u></b> .
Forward-Rearward Motor	Under front passenger's seat cushion. See <b><u>Fig. 95</u></b> .
Front Axle Actuator	On inner flange of right front axle. See <b><u>Fig. 35</u></b> .
Fuel Pump & Sender Assembly (Long Wheel Base)	Top of fuel tank. See <b><u>Fig. 125</u></b> .
Fuel Pump & Sender Assembly (Short Wheel Base)	Inside fuel tank. See <b><u>Fig. 124</u></b> .
Headlamp Leveling Actuator (Left)	Behind left headlight.
Headlamp Leveling Actuator (Right)	Behind right headlight.
Headlamp Washer Fluid Pump	Right front of engine compartment. See <b><u>Fig. 100</u></b> .
Lumbar Actuator-Horizontal	In passenger's seat. See <b><u>Fig. 96</u></b> .
Lumbar Actuator-Vertical	In passenger's seat. See <b><u>Fig. 96</u></b> .
Mode Actuator	Behind upper left center of dash. See <b><u>Fig. 17</u></b> .
Mode Actuator (Auxiliary)	Under center floor console. See <b><u>Fig. 157</u></b> .
Power Door Lock-LR	In left rear door. See <b><u>Fig. 84</u></b> .
Power Window Regulator-LR	In left rear door. See <b><u>Fig. 84</u></b> .
Quarter Glass Actuator-Left	At left quarter glass. See <b><u>Fig. 77</u></b> .
Quarter Glass Actuator-Right	At right quarter glass. See <b><u>Fig. 77</u></b> .
Rear Blower Motor	Under center of dash. See <b><u>Fig. 134</u></b> .

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Rear Window Washer Fluid Pump	On washer fluid reservoir. See <b>Fig. 100</b> .
Rear Window Wiper Motor (Except XUV)	Inside tailgate. See <b>Fig. 78</b> .
Rear Window Wiper Motor (XUV)	At center of endgate. See <b>Fig. 79</b> .
Recirculation Actuator	Behind upper right side of dash. See <b>Fig. 18</b> .
Recline Motor	Under front passenger's seat cushion. See <b>Fig. 95</b> .
Secondary Air Injection (AIR) Pump	Left front of chassis. See <b>Fig. 133</b> .
Starter (4.2L)	Left front of engine (4.2L). See <b>Fig. 43</b> .
Starter (5.3L/6.0L)	Right side of engine. See <b>Fig. 45</b> .
Sun Roof Motor	Above headliner, at rear of sun roof assembly.
Throttle Actuator Control (TAC) Motor (4.2L)	On throttle body.
Throttle Actuator Control (TAC) Motor (5.3L/6.0L)	On throttle body.
Transfer Case Motor Encoder Connector	On top of transfer case. See <b>Fig. 36</b> .
Vertical Motor, Front	Under front passenger's seat cushion. See <b>Fig. 95</b> .
Vertical Motor, Rear	Under front passenger's seat cushion. See <b>Fig. 95</b> .
Windshield Washer Fluid Pump	On washer fluid reservoir. See <b>Fig. 100</b> .
Windshield Wiper Motor	On upper center of firewall. See <b>Fig. 101</b> .

## SENDING UNITS & SENSORS

### SENDING UNITS & SENSORS LOCATION

Component	Location
Accelerator Pedal Position (APP) Sensor	Above accelerator pedal, on bracket. See <b>Fig. 61</b> .
Air Conditioning Refrigerant Pressure Sensor	On high pressure line, near A/C compressor. See <b>Fig. 15</b> .
Air Suspension Sensor-LR (Long Wheelbase)	On frame rail, near left rear suspension arm. See <b>Fig. 33</b> .
Air Suspension Sensor-LR (Short Wheelbase)	On frame rail, near left rear suspension arm. See <b>Fig. 32</b> .
Air Suspension Sensor-RR (Long Wheelbase)	On frame rail, near right rear suspension arm.

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	See <b>Fig. 33</b> .
Air Suspension Sensor-RR (Short Wheelbase)	On frame rail, near right rear suspension arm. See <b>Fig. 32</b> .
Ambient Air Temperature Sensor	On left center of radiator support. See <b>Fig. 23</b> .
Ambient Light Sensor	On top center of dash.
Ambient Light/Sun Load Sensor	On top center of dash, near base of windshield. See <b>Fig. 27</b> .
Automatic Transmission Input Shaft Speed Sensor (AT ISS) Sensor	In automatic transmission.
Brake Booster Vacuum Sensor (DOD)	On power brake booster. See <b>Fig. 122</b> .
Camshaft Position (CMP) Sensor (4.2L)	On right front of cylinder head. See <b>Fig. 128</b> .
Camshaft Position (CMP) Sensor (5.3L/6.0L)	At bottom front of engine. See <b>Fig. 113</b> .
Crankshaft Position (CKP) Sensor (4.2L)	On left rear of engine block, below starter. See <b>Fig. 127</b> .
Crankshaft Position (CKP) Sensor (5.3L/6.0L)	At right rear of engine, adjacent to starter. See <b>Fig. 118</b> .
Electronic Frontal Sensor (EFS) - Left	On left side of frame, at front of vehicle.
Electronic Frontal Sensor (EFS) - Right	On right side of frame, at front of vehicle.
Engine Coolant Temperature (ECT) Sensor (4.2L)	Upper left side of engine. See <b>Fig. 138</b> .
Engine Coolant Temperature (ECT) Sensor (5.3L/6.0L)	On left front of engine block, near generator.
Engine Oil Pressure (EOP) Sensor Connector (4.2L)	Lower right front of block. See <b>Fig. 87</b> .
Engine Oil Pressure (EOP) Sensor (5.3L/6.0L)	At rear of engine. See <b>Fig. 119</b> .
Fuel Pump & Sender Assembly	Inside fuel tank. See <b>Fig. 146</b> .
Fuel Tank Pressure (FTP) Sensor (Long Wheel Base)	Top of fuel tank. See <b>Fig. 125</b> .
Fuel Tank Pressure (FTP) Sensor (Short Wheel Base)	At top left rear of fuel tank. See <b>Fig. 133</b> .
Heated Oxygen Sensor Bank No. 1 Sensor No. 1 (5.3L/6.0L)	In left bank exhaust pipe, ahead of catalytic converter. See <b>Fig. 119</b> .
Heated Oxygen Sensor Bank No. 1 Sensor	In left bank of exhaust pipe, behind catalytic

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No. 2 (5.3L/6.0L)	converter. See <b>Fig. 121</b> .
Heated Oxygen Sensor Bank No. 2 Sensor No. 1 (5.3L/6.0L)	In right bank OF exhaust pipe, ahead of catalytic converter. See <b>Fig. 119</b> .
Heated Oxygen Sensor Bank No. 2 Sensor No. 2 (5.3L/6.0L)	In right bank of exhaust pipe, behind catalytic converter. See <b>Fig. 120</b> .
Heated Oxygen Sensor (HO2S) No. 1 (4.2L)	On exhaust manifold, on right side of engine. See <b>Fig. 129</b> .
Heated Oxygen Sensor (HO2S) No. 2 (4.2L)	Downstream of catalytic converter, on exhaust pipe. See <b>Fig. 132</b> .
Inflatable Restraint Electronic Frontal Sensor	Front of vehicle frame. See <b>Fig. 54</b> .
Inflatable Restraint Front End Discriminating Sensor-Left	At left rear of front frame crossmember. See <b>Fig. 60</b> .
Inflatable Restraint Front End Discriminating Sensor-Right	At right rear of front frame crossmember. See <b>Fig. 60</b> .
Inflatable Restraint Front Passenger Presence System (PPS) Sensor	Under passenger seat.
Inflatable Restraint Passenger Seat Belt Tension Retractor Sensor	Integral to passenger seat bet retractor.
Inflatable Restraint Seat Position Sensor (SPS) - Left	On left front outboard seat track.
Inflatable Restraint Seat Position Sensor (SPS) - Right	On right front outboard seat track.
Inflatable Restraint Side Impact Sensor (SIS)-Left	Under left front door trim, near lower rear of door frame. See <b>Fig. 60</b> .
Inflatable Restraint Side Impact Sensor (SIS)-Right	Right front passenger's door. See <b>Fig. 58</b> .
Input Speed Sensor (ISS)	Inside automatic transmission.
Inside Air Temperature Sensor	Top of left "B" pillar. See <b>Fig. 29</b> .
Inside Air Temperature Sensor Assembly	At top of left "B" pillar, behind trim.
Intake Air Temperature (IAT) Sensor	In air intake duct, on top right of engine. See <b>Fig. 130</b> .
Knock Sensor (KS) 1 - Left	Lower left side of engine. See <b>Fig. 115</b> .
Knock Sensor (KS) 2 - Right	Right side of engine block. See <b>Fig. 118</b> .
Knock Sensor No. 1 (4.2L)	On lower left front of engine block. See <b>Fig. 127</b> .
Knock Sensor No. 2 (4.2L)	On lower left rear of engine block. See <b>Fig.</b>

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	<b><u>127</u></b> .
Lower Left Air Temperature Sensor	Behind lower left center of dash, on air duct. See <b><u>Fig. 25</u></b> .
Lower Right Air Temperature Sensor	Behind lower right side of dash, on air duct. See <b><u>Fig. 24</u></b> .
Manifold Absolute Pressure (MAP) Sensor (4.2L)	On upper left side of engine. See <b><u>Fig. 130</u></b> .
Manifold Absolute Pressure (MAP) Sensor (5.3L/6.0L)	On top of engine.
Mass Airflow/Intake Air Temperature Sensor	In air intake duct. See <b><u>Fig. 117</u></b> .
Outside Moisture Sensor	Top center of front window. See <b><u>Fig. 98</u></b> .
Passlock Sensor	In ignition lock cylinder case. See <b><u>Fig. 75</u></b> .
Propshaft Speed Sensor (VSS)-LF	On left front of transfer case. See <b><u>Fig. 34</u></b> .
Propshaft Speed Sensor (VSS)-RR	On right rear of transfer case. See <b><u>Fig. 34</u></b> .
Rain Sensor	On upper center of windshield.
Upper Air Temperature Sensors	Center of dash. See <b><u>Fig. 26</u></b> .
Upper Left Air Temperature Sensor	Behind upper left center of dash.
Upper Right Air Temperature Sensor	Behind upper right center of dash.
VSS Sensor	On left rear of transfer case. See <b><u>Fig. 50</u></b> .
Wheel Speed Sensor-LF	On left front spindle/hub assembly. See <b><u>Fig. 38</u></b> .
Wheel Speed Sensor-RF	On right front spindle/hub assembly. See <b><u>Fig. 38</u></b> .
Yaw Rate & Lateral Acceleration Sensor	Below front passenger's seat.

## SOLENOIDS & SOLENOID VALVES

### SOLENOIDS & SOLENOID VALVES LOCATION

Component	Location
A/C Compressor Clutch Connector	On A/C compressor. See <b><u>Fig. 14</u></b> .
Automatic Transmission Shift Lock Actuator	Center of floor pan. See <b><u>Fig. 46</u></b> .
Camshaft Actuator Solenoid Assembly	On right front of cylinder head. See <b><u>Fig. 128</u></b> .
Evaporative Emission (EVAP) Canister Purge Solenoid (4.2L)	Lower Left Side Of Engine. See <b><u>Fig. 127</u></b> .
Evaporative Emission (EVAP) Canister	

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Purge Solenoid (5.3L/6.0L)	On left side of engine block. See <b><u>Fig. 114</u></b> .
Evaporative Emission (EVAP) Canister Vent Solenoid (Short Wheel Base)	At rear of fuel tank. See <b><u>Fig. 124</u></b> .
Evaporative Emissions (EVAP) Canister Purge Solenoid Connector	On throttle body. See <b><u>Fig. 44</u></b> .
Evaporative Emissions (EVAP) Canister Vent Solenoid (Long Wheel Base)	Top of fuel tank. See <b><u>Fig. 125</u></b> .
Fuel Injector 1 (4.2L)	Top of engine. See <b><u>Fig. 131</u></b> .
Fuel Injector 1 (5.3L/6.0L)	Upper left side of engine. See <b><u>Fig. 114</u></b> .
Fuel Injector 2 (4.2L)	Top of engine. See <b><u>Fig. 131</u></b> .
Fuel Injector 2 (5.3L/6.0L)	Upper right side of engine. See <b><u>Fig. 116</u></b> .
Fuel Injector 3 (4.2L)	Top of engine. See <b><u>Fig. 131</u></b> .
Fuel Injector 3 (5.3L/6.0L)	Upper left side of engine. See <b><u>Fig. 114</u></b> .
Fuel Injector 4 (4.2L)	Top of engine. See <b><u>Fig. 131</u></b> .
Fuel Injector 4 (5.3L/6.0L)	Upper right side of engine. See <b><u>Fig. 116</u></b> .
Fuel Injector 5 (4.2L)	Top of engine. See <b><u>Fig. 131</u></b> .
Fuel Injector 5 (5.3L/6.0L)	Upper left side of engine. See <b><u>Fig. 114</u></b> .
Fuel Injector 6 (4.2L)	Top of engine. See <b><u>Fig. 131</u></b> .
Fuel Injector 6 (5.3L/6.0L)	Upper right side of engine. See <b><u>Fig. 116</u></b> .
Fuel Injector 7 (5.3L/6.0L)	Upper left side of engine. See <b><u>Fig. 114</u></b> .
Fuel Injector 8 (5.3L/6.0L)	Upper right side of engine. See <b><u>Fig. 116</u></b> .
Ignition Lock Cylinder Control Actuator	In steering column. See <b><u>Fig. 6</u></b> .
Ignition Lock Cylinder Control Solenoid	Inside steering column. See <b><u>Fig. 74</u></b> .
Manifold Absolute Pressure (MAP) Sensor	Upper left side of engine. See <b><u>Fig. 114</u></b> .
Pressure Control (PC) Solenoid Valve	Inside automatic transmission assembly. See <b><u>Fig. 47</u></b> .
Secondary Air Injection (AIR) Solenoid	Upper right side of engine.
Speed Sensor	Inside automatic transmission. See <b><u>Fig. 52</u></b> .
Starter Solenoid (5.3L/6.0L)	Right side of engine. See <b><u>Fig. 45</u></b> .
TCC PWM Solenoid Valve	Inside automatic transmission valve body. See <b><u>Fig. 51</u></b> .
Torque Converter Clutch Pulse Width Modulation (TCC PWM) Solenoid Valve	Inside automatic transmission assembly. See <b><u>Fig. 47</u></b> .
Torque Converter Clutch (TCC) Solenoid Valve	Inside transmission assembly. See <b><u>Fig. 47</u></b> .



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1-2 Shift Solenoid (SS) Valve	Inside automatic transmission assembly. See <b>Fig. 47</b> .
2-3 Shift Solenoid (SS) Valve	Inside automatic transmission assembly. See <b>Fig. 47</b> .
3-2 Shift Solenoid (SS) Valve Assembly	Inside automatic transmission assembly. See <b>Fig. 47</b> .

## SWITCHES

### SWITCHES LOCATION

Component	Location
A/C Low Pressure Switch	At right rear of engine compartment, on accumulator. See <b>Fig. 16</b> .
Air Suspension Inflator Switch (Except XL)	On right side of cargo area, on trim panel. See <b>Fig. 32</b> .
Air Suspension Inflator Switch (XL)	On left side of cargo area, on trim panel. See <b>Fig. 33</b> .
Automatic Transmission Fluid Pressure (TFP) Manual Valve Position Switch	Inside automatic transmission assembly. See <b>Fig. 47</b> .
Back-Up Lamp Switch	Integral with park/neutral position switch. See <b>Fig. 88</b> .
Brake Fluid Level Switch	On brake master cylinder fluid reservoir.
Door Jamb Switch, Miniwedge-LR	In left rear door. See <b>Fig. 90</b> .
Hood Ajar Switch	On top left of radiator support.
Ignition Key Alarm Switch	In steering column. See <b>Fig. 74</b> .
Ignition Switch	In steering column. See <b>Fig. 6</b> .
Liftgate Ajar Switch	In liftgate. See <b>Fig. 78</b> .
Oil Pressure Switch (4.2L)	On right side of engine block.
Oil Pressure Switch (5.3L/6.0L)	At top rear of engine block, near transmission.
Park Brake Switch	On parking brake assembly. See <b>Fig. 37</b> .
Park/Neutral Position Switch	On lower left side of transmission.
Park Switch	On shift lever assembly.
PNP Switch	On left side of transmission, above fluid pan. See <b>Fig. 48</b> .
Seat Belt Switch (Left Front)	In left front seat belt buckle. See <b>Fig. 53</b> .

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Seat Belt Switch (Right Front)	In right front belt buckle assembly.
Stop Lamp Switch	On brake pedal assembly. See <b>Fig. 123</b> .
TCC/Brake Switch	Above brake pedal, on bracket.
Windshield Washer Fluid Level Switch	In windshield washer fluid reservoir. See <b>Fig. 100</b> .

## MISCELLANEOUS

### MISCELLANEOUS LOCATION

Component	Location
Audio Amplifier (Except XL)	On right side of cargo area, behind trim panel. See <b>Fig. 70</b> .
Audio Amplifier (XL)	On left side of cargo area, behind trim panel. See <b>Fig. 71</b> .
Auxiliary Power Outlet-Rear	Left rear body side lower trim panel. See <b>Fig. 13</b> .
Battery	Left front of engine compartment. See <b>Fig. 41</b> .
Blower Motor Resistor Assembly	Below right side of dash, near blower motor.
Cellular Antenna	Front roof panel. See <b>Fig. 73</b> .
Cellular Microphone	In overhead console. See <b>Fig. 62</b> .
Cellular & Navigation Antenna	Front of roof panel. See <b>Fig. 63</b> .
Data Link Connector	On bottom left side of dash. See <b>Fig. 80</b> .
Dual Horns	Left front of engine compartment. See <b>Fig. 86</b> .
Generator Connector (5.3L/6.0L)	Top left of engine. See <b>Fig. 44</b> .
Generator (4.2L)	Left front of engine (4.2L). See <b>Fig. 42</b> .
Generator (5.3L/6.0L)	Top front of engine. See <b>Fig. 44</b> .
Global Positioning System (GPS) Antenna	Front center of roof. See <b>Fig. 72</b> .
Ignition Coil 1 (4.2L)	Top of engine. See <b>Fig. 131</b> .
Ignition Coil 1 (5.3L/6.0L)	On top of valve cover, above respective cylinder. See <b>Fig. 114</b> .
Ignition Coil 2 (4.2L)	Top of engine. See <b>Fig. 131</b> .
Ignition Coil 2 (5.3L/6.0L)	On top of valve cover, above respective cylinder. See <b>Fig. 116</b> .
Ignition Coil 3 (4.2L)	Top of engine. See <b>Fig. 131</b> .

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Ignition Coil 3 (5.3L/6.0L)	On top of valve cover, above respective cylinder. See <b><u>Fig. 114</u></b> .
Ignition Coil 4 (4.2L)	Top of engine. See <b><u>Fig. 131</u></b> .
Ignition Coil 4 (5.3L/6.0L)	On top of valve cover, above respective cylinder. See <b><u>Fig. 116</u></b> .
Ignition Coil 5 (4.2L)	Top of engine. See <b><u>Fig. 131</u></b> .
Ignition Coil 5 (5.3L/6.0L)	On top of valve cover, above respective cylinder. See <b><u>Fig. 114</u></b> .
Ignition Coil 6 (4.2L)	Top of engine. See <b><u>Fig. 131</u></b> .
Ignition Coil 6 (5.3L/6.0L)	On top of valve cover, above respective cylinder. See <b><u>Fig. 116</u></b> .
Ignition Coil 7 (5.3L/6.0L)	On top of valve cover, above respective cylinder. See <b><u>Fig. 114</u></b> .
Ignition Coil 8 (5.3L/6.0L)	On top of valve cover, above respective cylinder. See <b><u>Fig. 116</u></b> .
Noise Compensation Microphone (UQA W/Class 2 Amp)	In overhead console. See <b><u>Fig. 62</u></b> .
Noise Reduction Microphone	In overhead console. See <b><u>Fig. 69</u></b> .
Radio Antenna	At rear of radio. See <b><u>Fig. 68</u></b> .
Radio Antenna Cable	Right rear side of engine compartment. See <b><u>Fig. 66</u></b> .
Rear Blower Resistor	Attached to rear blower motor. See <b><u>Fig. 134</u></b> .
Rear Window Defogger Grid	On rear window. See <b><u>Fig. 99</u></b> .
Seat Belt Pretensioner - Left	Under left front of seat, part of retractor.
Seat Belt Pretensioner - Right	Under right front of seat, part of retractor.
Seat Cushion Heater Element	Under seat cover. See <b><u>Fig. 97</u></b> .
SIR Coil	In steering column assembly. See <b><u>Fig. 31</u></b> .
Star Connector No. 1	On lower left side of dash.
Star Connector No. 2	In body harness, below right rear seat.
Theft Deterrent Alarm	Attached to rear frame, above spare tire.
Trailer Connector	Rear of vehicle frame. See <b><u>Fig. 91</u></b> .
Travel Note Recorder	Inside roof console.
Valve Lifter Oil Manifold (VLOM) Assembly (5.3L/6.0L)	At top rear of engine. See <b><u>Fig. 119</u></b> .

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### CONNECTORS

#### CONNECTORS LOCATION

Component	Location
C100 (Black, 10 Pin)	I/P harness to engine harness, in underhood compartment, to left of engine. See <b>Fig. 135</b> .
C101 (Black, 38 Pin)	I/P harness to chassis harness, in underhood compartment, to right of underhood fuse block. See <b>Fig. 135</b> .
C102 (Black/Gray, 4 Pin)	Near left headlight assembly. See <b>Fig. 136</b> .
C103 (Black, 4 Pin)	Near right headlight assembly. See <b>Fig. 137</b> .
C104 (Black, 8 Pin)	At rear of engine, near coil No. 6.
C105 (Long Wheel Base) (Black, 12 Pin)	Forward lamp harness to I/P harness, underhood compartment, near underhood fuse block. See <b>Fig. 135</b> .
C105 (Short Wheel Base) (Black, 10 Pin)	Forward lamp harness to I/P harness, underhood compartment, near underhood fuse block. See <b>Fig. 135</b> .
C106 (Black, 2 Pin)	I/P harness to chassis harness.
C107 (Black, 38 Pin)	Left rear of engine compartment. See <b>Fig. 135</b> .
C108 (Black, 8 Pin)	In coils harness to engine harness, on top of right bank valve cover. See <b>Fig. 116</b> .
C109 (Black, 8 Pin)	In coils harness to engine harness, on top of left bank valve cover. See <b>Fig. 114</b> .
C110 (5.3L/6.0L) (3 Pin)	Left front of engine block, below camshaft position sensor. See <b>Fig. 113</b> .
C111 (Black, 6 Pin)	I/P harness to body harness.
C118	On upper left of fan shroud. See <b>Fig. 40</b> .
C175 (20 Pin)	Engine harness to automatic transmission harness, on right side of transmission. See <b>Fig. 49</b> .
C201 (Black/Gray, 48 Pin)	Steering column harness to I/P harness, lower part of steering column. See <b>Fig. 105</b> .
C202 (Natural, 4 Pin)	I/P harness to headliner harness, lower right side of dash.
	I/P harness to body connector, lower right

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C203 (Yellow, 4 Pin)	side of dash. See <b>Fig. 104</b> .
C204 (Black, 4 Pin)	At rear blower motor. See <b>Fig. 134</b> .
C225	On brake pedal assembly. See <b>Fig. 61</b> .
C275 (4 Pin)	At steering column.
C300 (Black, 8 Pin)	Right of floor shifter.
C301 (Black, 8 Pin)	I/P harness to body harness, under carpet, rear floor area.
C304 (Black, 16 Pin)	I/P harness to body harness, under carpet, rear floor area. See <b>Fig. 155</b> .
C305 (Black, 16 Pin)	Overhead console harness to headliner harness, inside upper console. See <b>Fig. 67</b> .
C306 (Black, 6 Pin)	Body harness to headliner harness, under carpet, at rear floor area. See <b>Fig. 150</b> .
C307 (Gray, 18 Pin)	Beneath lower console. See <b>Fig. 21</b> .
C308 (Black, 6 Pin)	Headliner harness to sun roof harness, above left rear door. See <b>Fig. 93</b> .
C309 (Black, 10 Pin)	Console harness to body harness, under lower rear console, near C307. See <b>Fig. 21</b> .
C310 (Black, 2 Pin)	Chassis harness to engine harness, near transfer case. See <b>Fig. 34</b> .
C311 (Black, 10 Pin)	Body harness to seat harness, lower front of driver's seat. See <b>Fig. 106</b> .
C312 (Black, 16 Pin)	Seat harness to seat back harness, under driver's seat. See <b>Fig. 106</b> .
C313 (Black, 6 Pin)	Seat harness to seat motor harness, under driver's seat. See <b>Fig. 106</b> .
C314 (Black, 10 Pin)	Body harness to seat harness, lower front of passenger seat. See <b>Fig. 106</b> .
C315 (Black, 16 Pin)	Seat harness to seat back harness, under passenger seat. See <b>Fig. 106</b> .
C316 (Gray, 8 Pin)	Under passenger seat, main seat harness to seat motors. See <b>Fig. 106</b> .
C317 (2 Pin)	Under driver's seat pretensioner.
C318 (2 Pin)	Under passenger's seat pretensioner.
C401 (12 Pin)	Body harness to rear HVAC module harness, behind right rear body side panel. See <b>Fig.</b>

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	<b><u>107</u></b> .
C402 (6 Pin)	Right rear of passenger compartment, on center of right "D" pillar.
C405 (10 Pin)	At left rear frame rail.
C500 (Black, 12 Pin)	Body harness to left front door harness, at midpoint of leading edge of door. See <b><u>Fig. 103</u></b> .
C600 (Black, 12 Pin)	Body harness to right front door harness, at midpoint of leading edge of door. See <b><u>Fig. 103</u></b> .
C700 (Black/Natural, 17 Pin)	Body harness to left rear door harness, at midpoint of leading edge of door. See <b><u>Fig. 84</u></b> .
C800 (Black/Natural, 17 Pin)	Body harness to right rear door harness, at midpoint of leading edge of door. See <b><u>Fig. 102</u></b> .
C900 (Black, 6 Pin)	Body harness to liftgate harness, at top of liftgate. See <b><u>Fig. 78</u></b> .
C901 (Gray, 2 Pin)	Liftgate harness to license lamp harness, inside liftgate. See <b><u>Fig. 78</u></b> .
C904 (Except XUV)	In liftgate. See <b><u>Fig. 78</u></b> .
C905 (Except XUV)	In liftgate. See <b><u>Fig. 78</u></b> .

## GROUND S

### GROUND S LOCATION

Component	Location
G101	Left side of engine. See <b><u>Fig. 139</u></b> .
G102	Left side of underhood compartment, near rear of underhood fuse block. See <b><u>Fig. 2</u></b> .
G103	Left front of underhood compartment, on left side of radiator support. See <b><u>Fig. 137</u></b> .
G104	On underside of hood, near underhood compartment lamp. See <b><u>Fig. 2</u></b> .
G105	In underhood compartment, on firewall, near I/P harness pass-through. See <b><u>Fig. 2</u></b> .
G106	On engine side of left front wheelwell.



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G107	On lower left side of engine. See <b>Fig. 3</b> .
G108	On lower left side of engine. See <b>Fig. 4</b> .
G109	On lower left side of engine. See <b>Fig. 3</b> .
G110	On lower left side of engine. See <b>Fig. 4</b> .
G201	Ground splice pack near, right front of lower console.
G301	Floor in tunnel/console area.
G302	On lower left "B" pillar. See <b>Fig. 7</b> .
G303	On lower right "B" pillar.
G304	On outside of left frame rail, near electronic brake control module. See <b>Fig. 8</b> .
G305	On outside of left frame rail, near fuel tank. See <b>Fig. 9</b> .
G306	On body panel, rear of left rear door.
G401	On lower left "D" pillar. See <b>Fig. 10</b> .
G402	On lower right "D" pillar. See <b>Fig. 10</b> .
G403 (Long Wheelbase, Body Type VIN 6)	On left side of rear frame crossmember. See <b>Fig. 12</b> .
G403 (Short Wheelbase, Body Type VIN 3)	On left side of rear frame crossmember. See <b>Fig. 11</b> .

## SPLICES

### SPLICES LOCATION

Component	Location
SP201	At lower right front of lower console. See <b>Fig. 5</b> .
SP205	Behind left of dash, near headlight switch connector. See <b>Fig. 80</b> .
SP306	In body harness, under right rear seat. See <b>Fig. 81</b> .
S100	In engine harness, 10 cm from breakout to ECM. See <b>Fig. 141</b> .
S101	In engine harness, 4 cm from breakout to C107. See <b>Fig. 143</b> .
S102	In engine harness, 16.5 cm before breakout to

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	MAP sensor. See <b>Fig. 142</b> .
S103	Forward lamp harness, 8 cm from rear washer pump motor breakout. See <b>Fig. 137</b> .
S104	In forward lamps harness, 6 cm before breakout to right side marker, cornering & park lamps. See <b>Fig. 137</b> .
S105	In engine harness, 10 cm from breakout to C107. See <b>Fig. 143</b> .
S106	In forward lamps harness, 5.5 cm before breakout to left side marker, cornering & park lamps. See <b>Fig. 137</b> .
S107	Forward lamp harness, 9 cm from left turn signal breakout. See <b>Fig. 137</b> .
S108	In ignition coil jumper harness, 5 cm from breakout to C108.
S108	In ignition coil jumper harness, 5 cm from breakout to C108.
S109	In ignition coil jumper harness, 5 cm from breakout to C109.
S110	In engine harness, 32.5 cm from G110. See <b>Fig. 139</b> .
S111	In fuel injector harness.
S112	In engine harness, 5 cm from breakout to C109. See <b>Fig. 140</b> .
S113	Forward lamp harness, 19.5 cm from windshield washer pump breakout. See <b>Fig. 137</b> .
S117	I/P harness, 8.5 cm from C100 breakout. See <b>Fig. 135</b> .
S118	In ignition coil jumper harness, 5 cm from breakout to C108.
S119	In ignition coil jumper harness, 5 cm from breakout to C109.
S128	In ignition coil jumper harness, 5 cm from breakout to C108.
S129	In ignition coil jumper harness, 5 cm from breakout to C109.

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S133	In automatic transmission.
S134	In automatic transmission.
S201	In I/P harness, 4 cm from breakout to inflatable restraint I/P module. See <b>Fig. 149</b> .
S202	I/P harness, 16.5 cm from steering column connector breakout. See <b>Fig. 149</b> .
S203	In I/P harness, 5 cm from breakout to rollover sensor. See <b>Fig. 151</b> .
S205	In chassis harness, 8 cm from breakout to electronic brake control module.
S205	In chassis harness, 8 CM from breakout to electronic brake control module.
S211	I/P harness, 16 cm from SP201 breakout. See <b>Fig. 149</b> .
S216	I/P harness, 15.5 cm from recirculation actuator connector. See <b>Fig. 148</b> .
S217	I/P harness, 5 cm from mode motor breakout. See <b>Fig. 149</b> .
S220	In I/P harness, 33.5 cm before breakout to inflatable restraint sensing & diagnostic module. See <b>Fig. 150</b> .
S226	Ground circuit splice in steering column.
S230	I/P harness, 5 cm from SP201 breakout. See <b>Fig. 149</b> .
S232	I/P harness, 10 cm from steering column breakout.
S239	I/P harness, above dash left lower panel, 11 cm from steering column breakout. See <b>Fig. 149</b> .
S250	In I/P harness, 33 cm from blower motor resistor assembly. See <b>Fig. 149</b> .
S271	I/P harness, 14.5 cm from dash compartment lamp breakout. See <b>Fig. 149</b> .
S301	In overhead console harness.
S302	5 cm from main harness breakout for C700. See <b>Fig. 153</b> .
	5 cm from main harness breakout for C800.

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S303	See <b>Fig. 153</b> .
S304	In driver seat main power harness, 5 cm from breakout memory seat module connector C1.
S305	In driver seat main power harness, 7 cm from breakout memory seat module connector C1.
S306 (Long Wheel Base)	In chassis harness, 18 cm back from breakout to fuel pump & sender assembly. See <b>Fig. 147</b> .
S306 (Short Wheel Base)	In chassis harness, 13 cm back from breakout to fuel pump & sender assembly. See <b>Fig. 144</b> .
S307 (Long Wheel Base)	In console harness, 4.5 cm from breakout to C309. See <b>Fig. 157</b> .
S307 (Short Wheel Base)	In console harness, 9 cm from breakout to auxiliary mode actuator. See <b>Fig. 157</b> .
S308	In passenger seat harness, 15 cm from breakout to C314.
S310	In body harness, 9 cm from breakout to C314. See <b>Fig. 153</b> .
S311	Under driver's seat, 4.5 cm from lumbar switch breakout.
S312	In main headliner harness, 80 cm from C308 breakout. See <b>Fig. 150</b> .
S313	Driver's seat motor harness, 17 cm from seat module connector C2.
S314	Driver's seat motor harness, 24 cm from seat module connector C2.
S315	In driver seat harness, 11.5 cm from C311.
S316	In passenger seat main power harness, 25 cm back from lumbar adjuster switch connector.
S317 (W/Heat)	In passenger seat main power harness, 14.5 cm back from lumbar adjuster switch connector.
S317 (W/O Heat)	Under passenger seat, 5 cm from lumbar switch breakout.
S318	Driver's seat main harness, 7 cm from body connector breakout.

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S319	Passenger seat main harness, 7 cm from body connector breakout.
S320	I/P harness, 18 cm from automatic transmission shift lever connector breakout. See <b>Fig. 151</b> .
S321	In I/P harness channel between rear seat & console, 32 cm forward from C301/C304 breakout.
S322	Headliner harness, 16 cm from ISRVM breakout, toward right sun shade mirror lamp. See <b>Fig. 156</b> .
S323	In console harness, 14 cm from breakout to auxiliary HVAC control module.
S324	In lower console harness, between auxiliary HVAC module & C309.
S325	In lower console harness, between auxiliary HVAC module & C309.
S326	In console harness, 5 cm from breakout to auxiliary console mode actuator.
S327	In driver seat harness, 6.5 cm from breakout to driver cushion heated seat element.
S330	Overhead console harness.
S331	Headliner harness, 17 cm from left sun shade mirror lamp breakout, toward C305. See <b>Fig. 156</b> .
S332	Overhead console harness.
S333	In headliner harness, 13 cm from cargo lamp breakout.
S341	In headliner harness, 6.5 cm from breakout to left clearance lamp.
S350	In headliner harness, 3.5 cm from left quarterglass breakout.
S351	In overhead console harness.
S359	In chassis harness, 13 cm before breakout to fuel pump & sender assembly. See <b>Fig. 145</b> .
S362	In body harness channel on rear floor, 6 cm to left of SP306. See <b>Fig. 152</b> .

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S374	In body harness channel on rear floor, 12 cm to left of SP306. See <b>Fig. 152</b> .
S390	In headliner harness, 26 cm from left front dome/reading lamp. See <b>Fig. 156</b> .
S391	In headliner harness, 6.5 cm from left quarterglass breakout.
S401 (Long Wheelbase)	Body harness, 10 cm from G401 breakout. See <b>Fig. 155</b> .
S401 (Short Wheelbase)	Body harness, 7.5 cm from G401 breakout. See <b>Fig. 152</b> .
S402 (Long Wheel Base)	In body harness, 13 cm from G402. See <b>Fig. 154</b> .
S402 (Short Wheel Base)	In body harness, 7.5 cm from G402 breakout. See <b>Fig. 153</b> .
S408	In chassis harness, 9.5 cm from breakout to right backup lamp. See <b>Fig. 145</b> .
S900	Main liftgate harness, 50 cm from liftgate module breakout.
S901	In liftgate harness, 22 cm from liftgate module breakout. See <b>Fig. 78</b> .

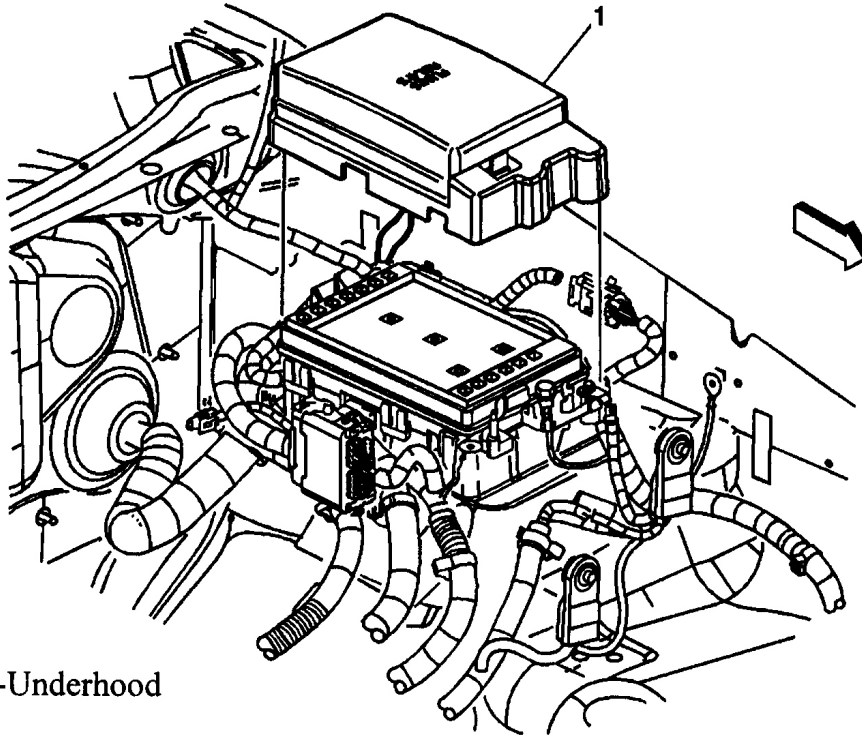
## COMPONENT LOCATION GRAPHICS

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



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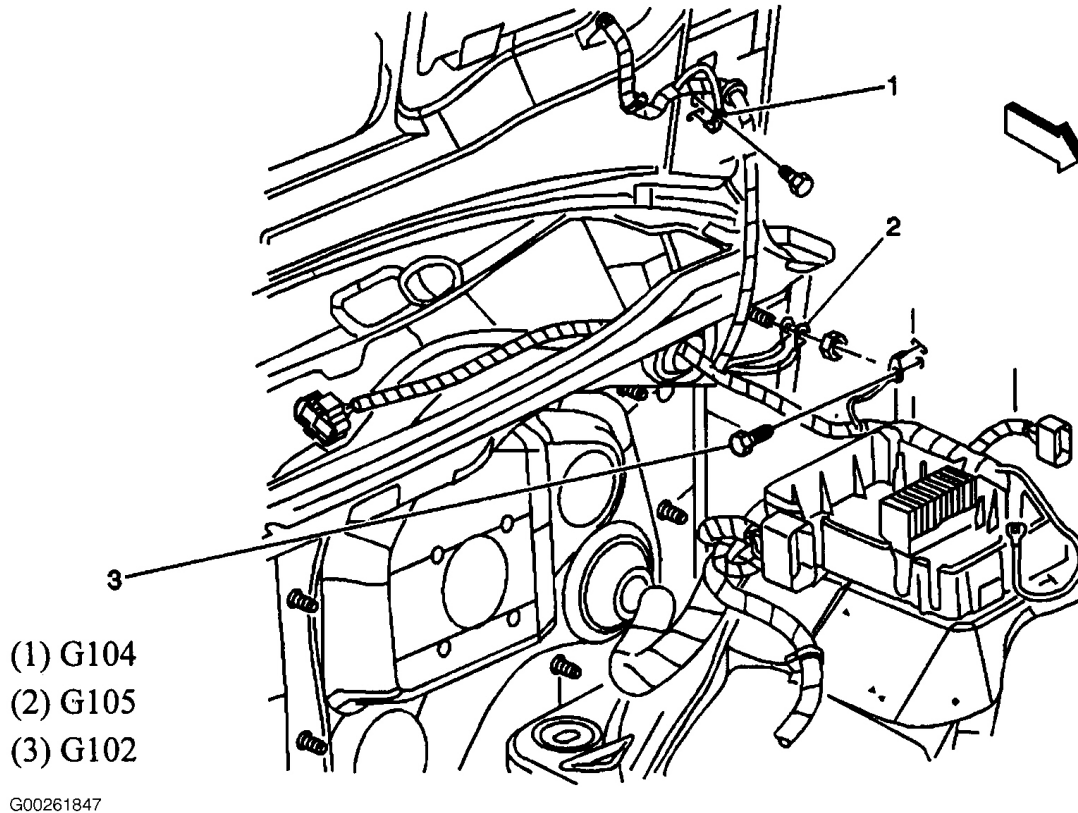
(1) Fuse Block-Underhood

G00261845

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

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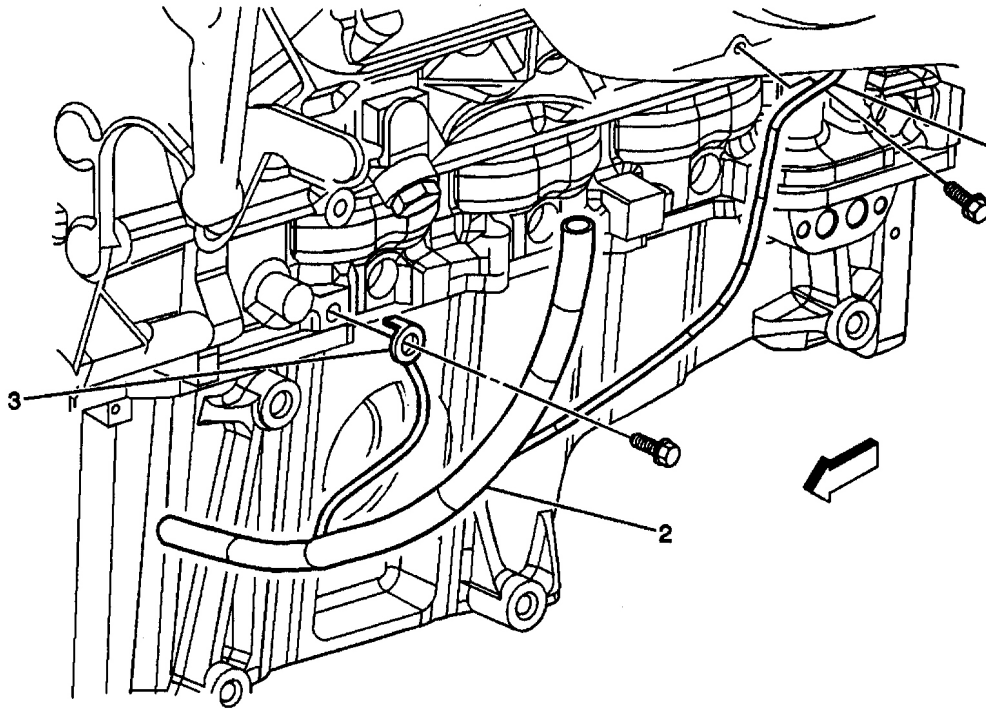
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**Fig. 2: Left Rear Of Engine Compartment**  
**Courtesy of GENERAL MOTORS CORP.**

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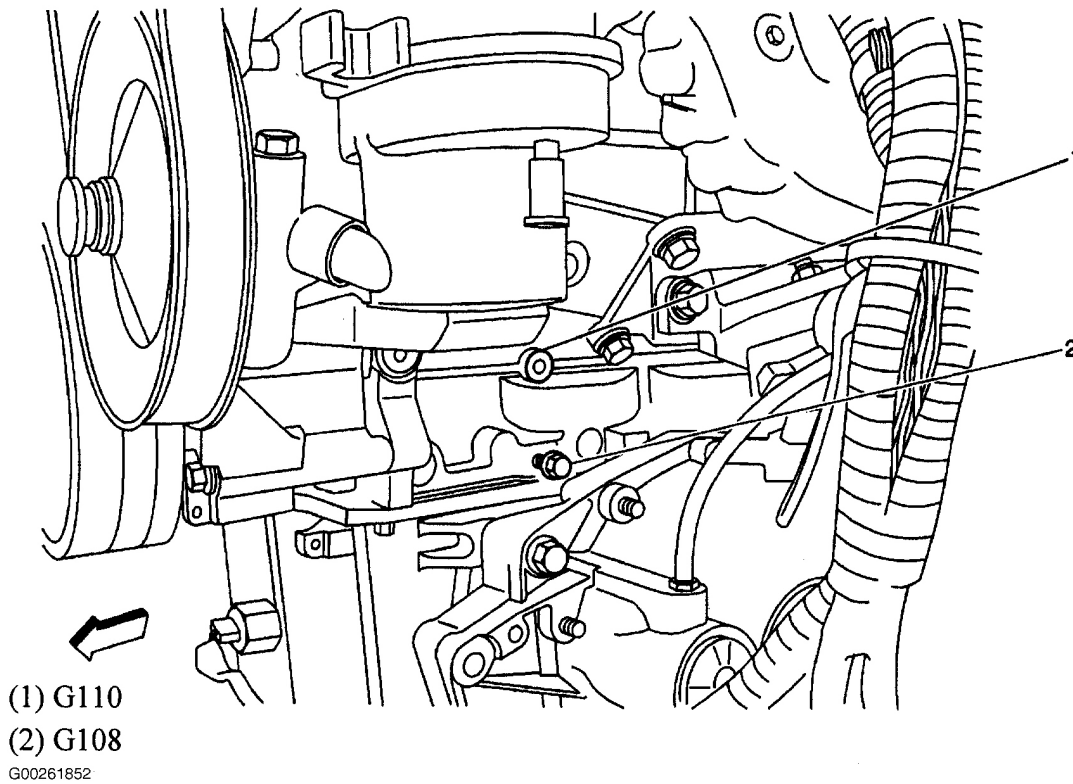
- (1) G109
- (2) Engine Harness
- (3) G107

G00261851

**Fig. 3: Left Side Of Engine (5.3L/6.0L)**  
**Courtesy of GENERAL MOTORS CORP.**

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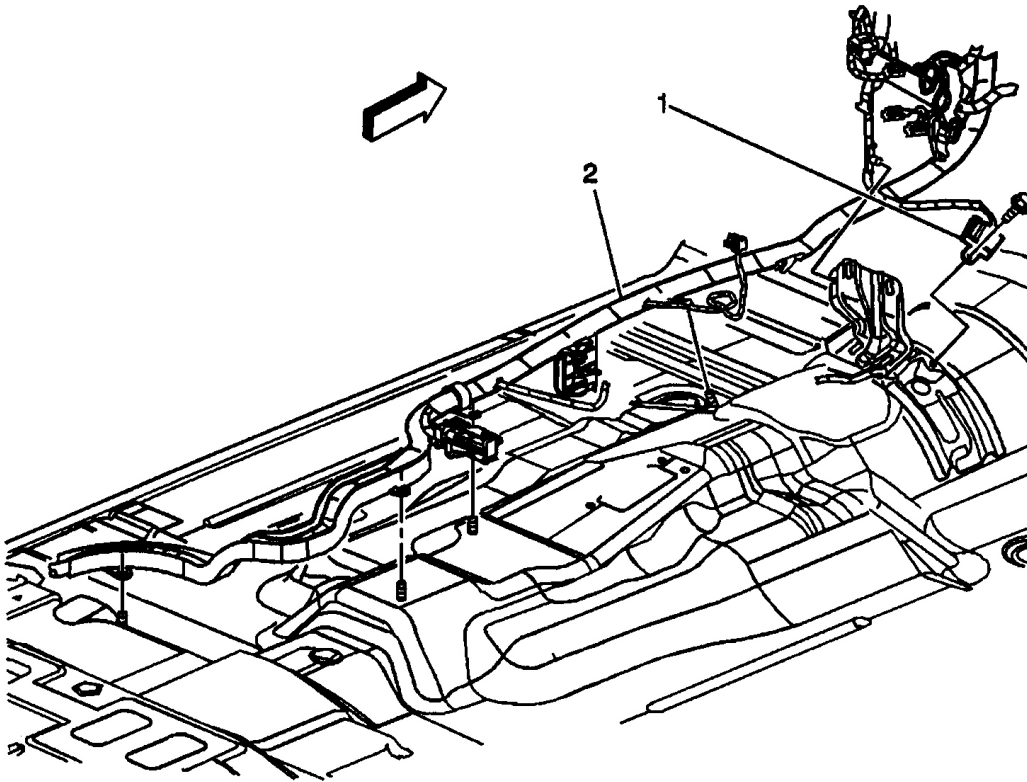
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**Fig. 4: Left Front Of Engine (5.3L/6.0L)**  
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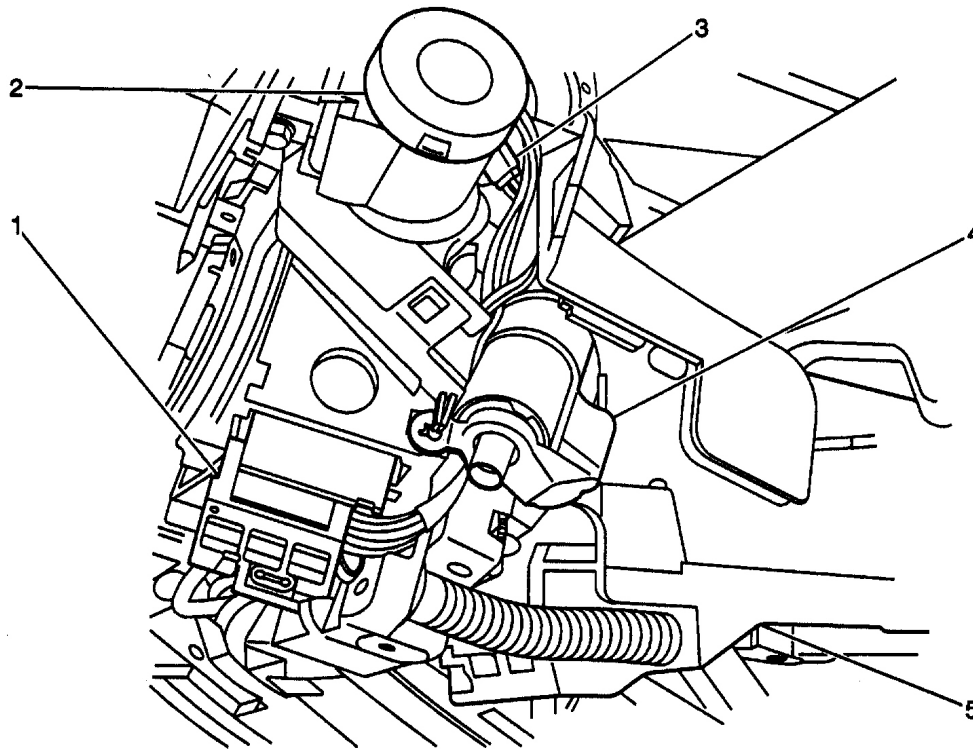


(1) SP201

(2) Instrument Panel Harness

G00261853

**Fig. 5: Vehicle Floor Pan**  
**Courtesy of GENERAL MOTORS CORP.**



- (1) Ignition Switch
- (2) Passlock Sensor
- (3) Ignition Key Alarm Switch
- (4) Ignition Lock Cylinder Control Actuator
- (5) Steering Column

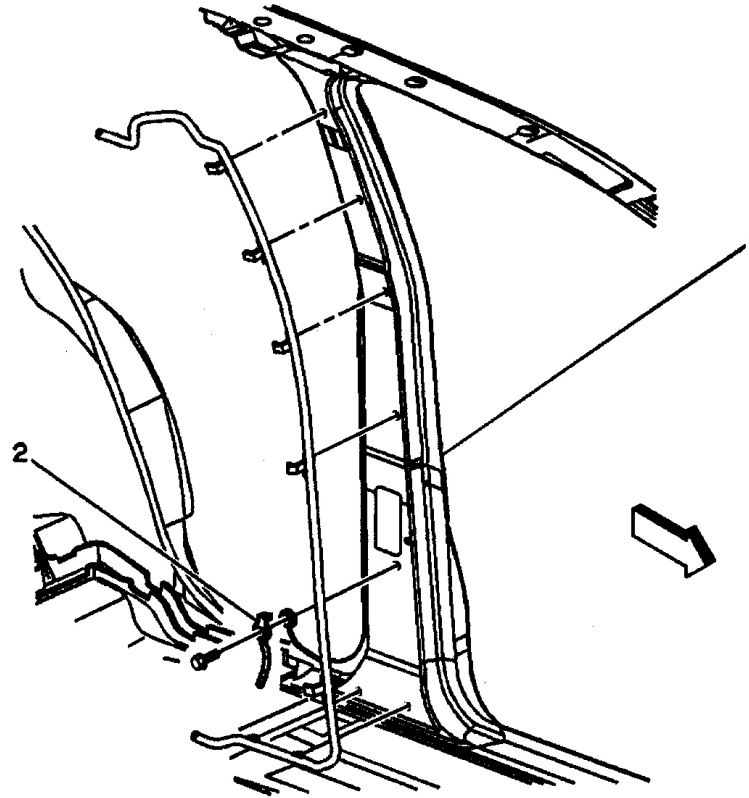
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**Fig. 6: Steering Column**  
**Courtesy of GENERAL MOTORS CORP.**



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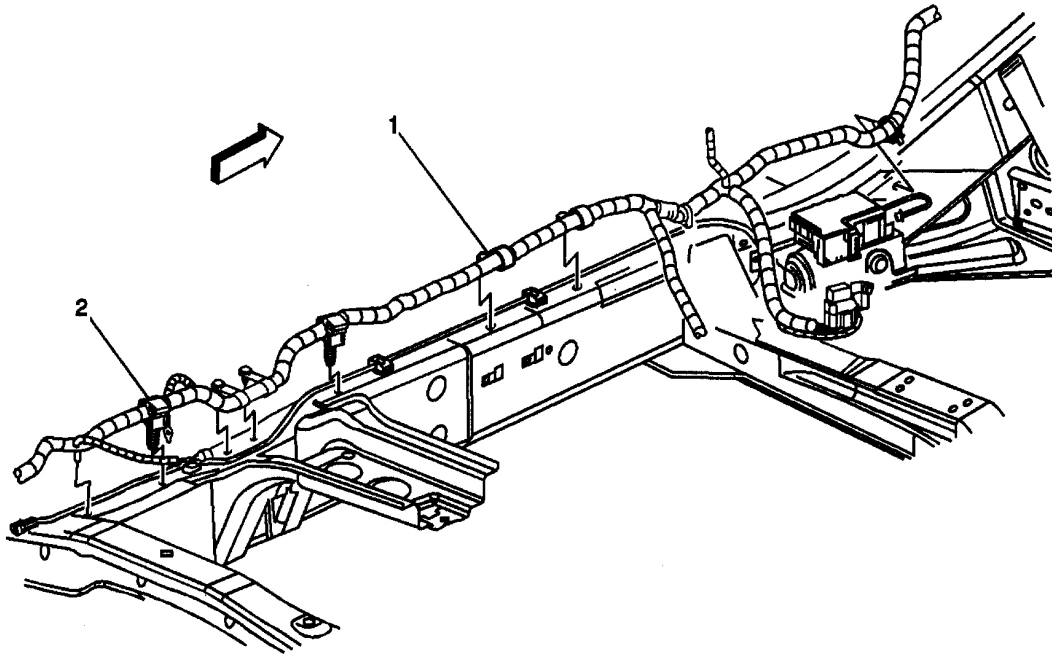
- (1) Door Frame
- (2) G302

G00261855

**Fig. 7: Left "B" Pillar**  
**Courtesy of GENERAL MOTORS CORP.**

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(1) Chassis Harness

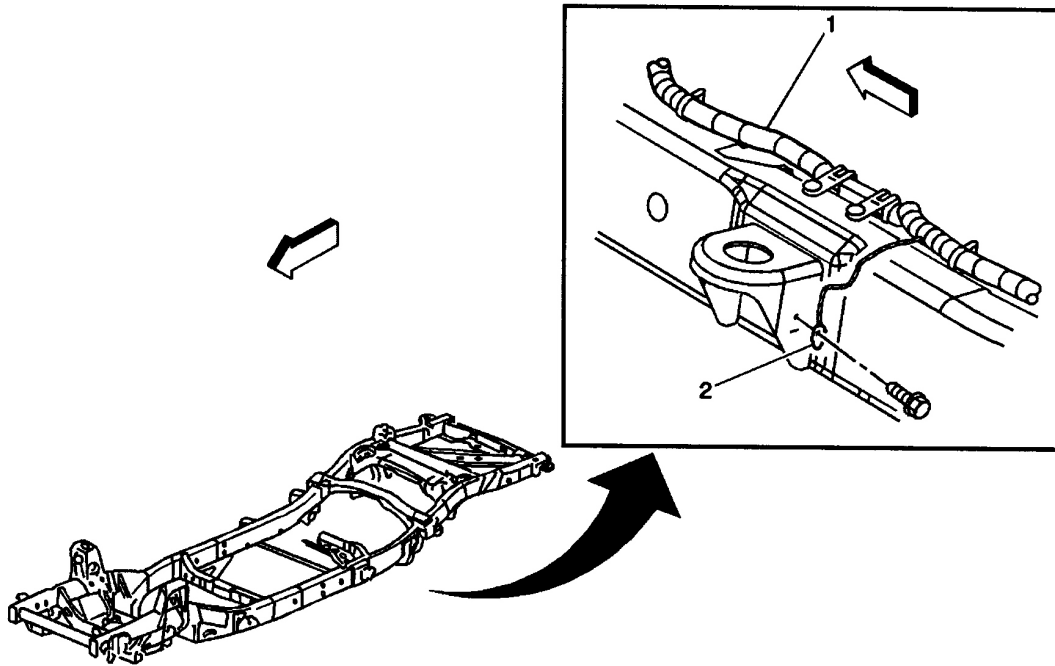
(2) G304

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**Fig. 8: Left Frame Rail**  
**Courtesy of GENERAL MOTORS CORP.**

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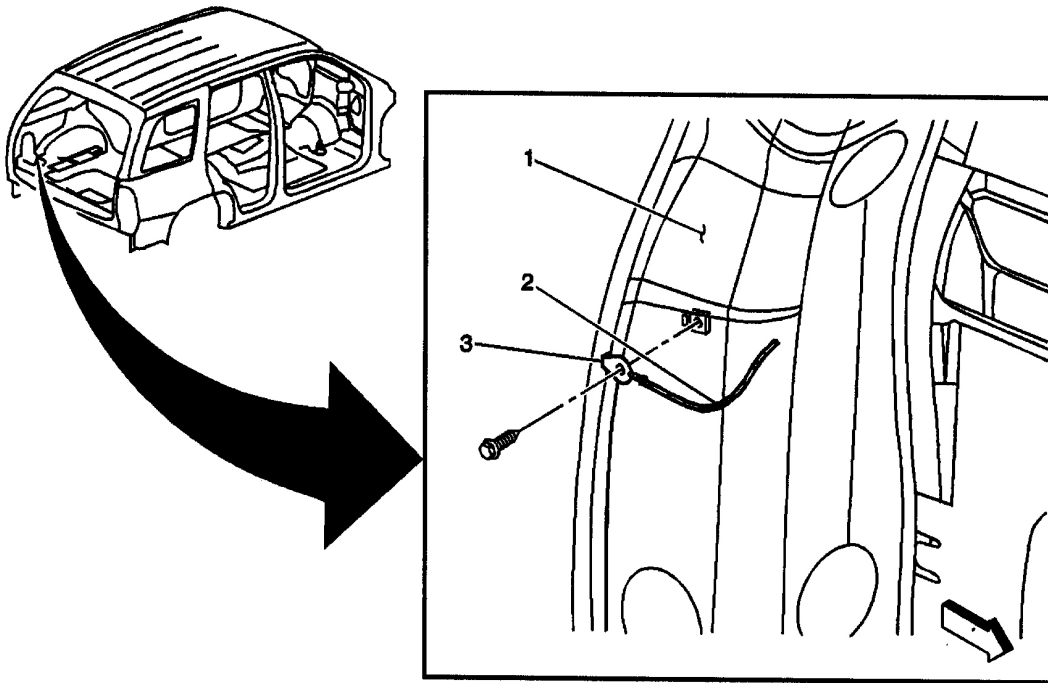
- (1) Chassis Harness
- (2) G305

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**Fig. 9: Vehicle Frame**  
**Courtesy of GENERAL MOTORS CORP.**

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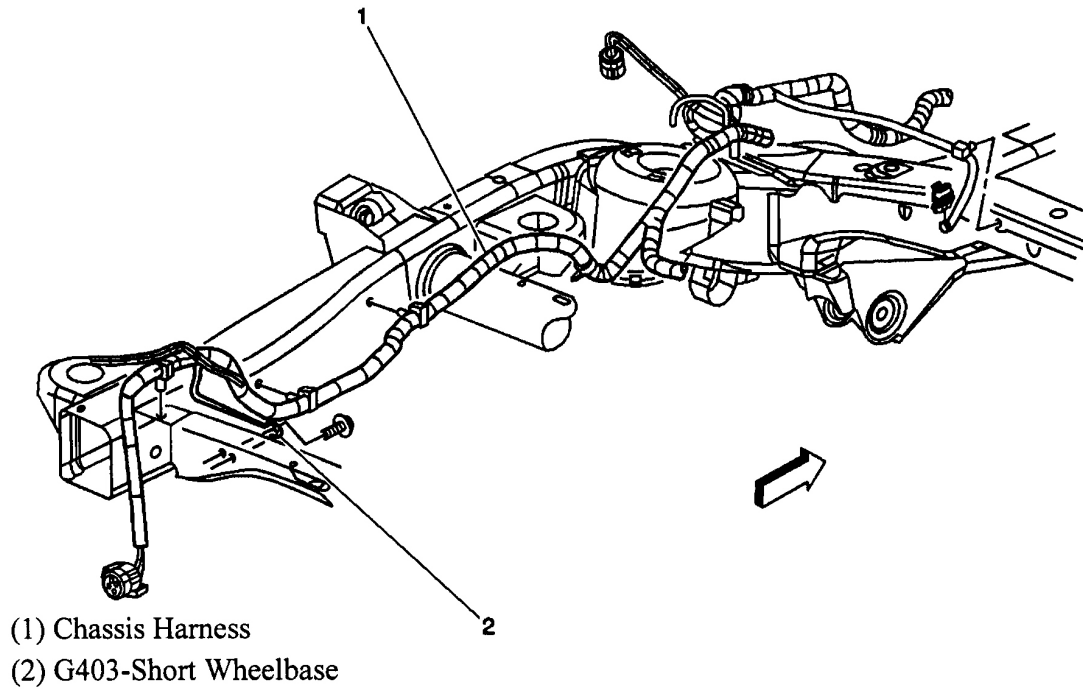
- (1) Body Side Lower Reinforcement
- (2) Body Harness
- (3) G401; G402 Similar on Opposite Side

G00261859

**Fig. 10: Left Rear Of Luggage Compartment**  
**Courtesy of GENERAL MOTORS CORP.**

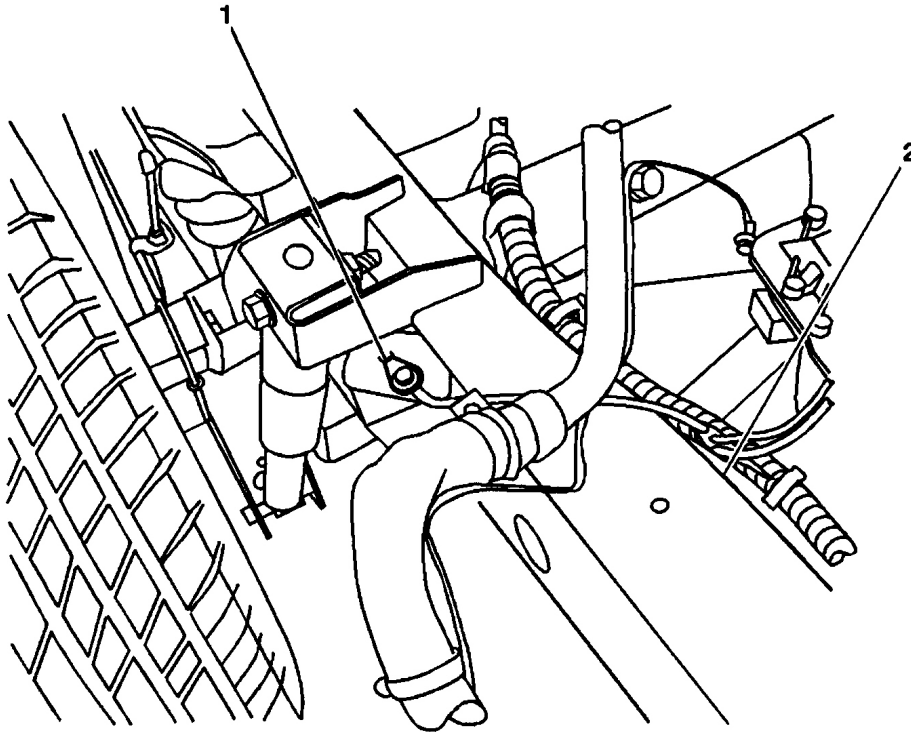
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G00261860

**Fig. 11: Left Rear Frame (Short Wheelbase, Body Type VIN 3)**  
**Courtesy of GENERAL MOTORS CORP.**



(1) G403

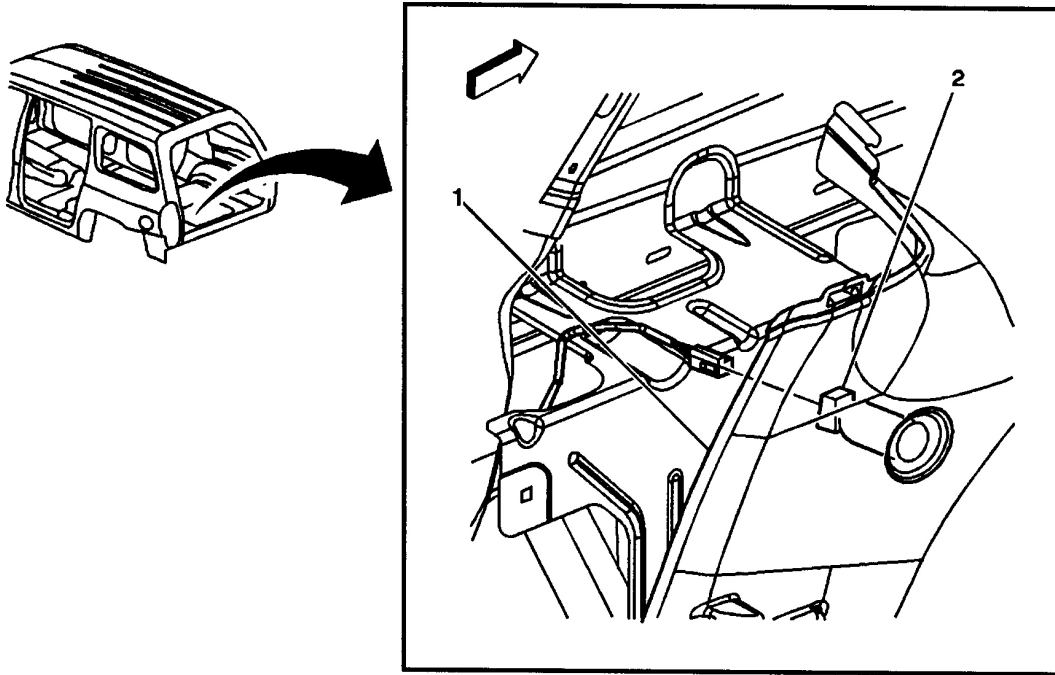
(2) Frame, Left Rear

G00261861

**Fig. 12: Left Rear Frame (Long Wheelbase, Body Type VIN 6)**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



- (1) Body Side Lower Trim Panel
- (2) Auxiliary Power Outlet - Rear

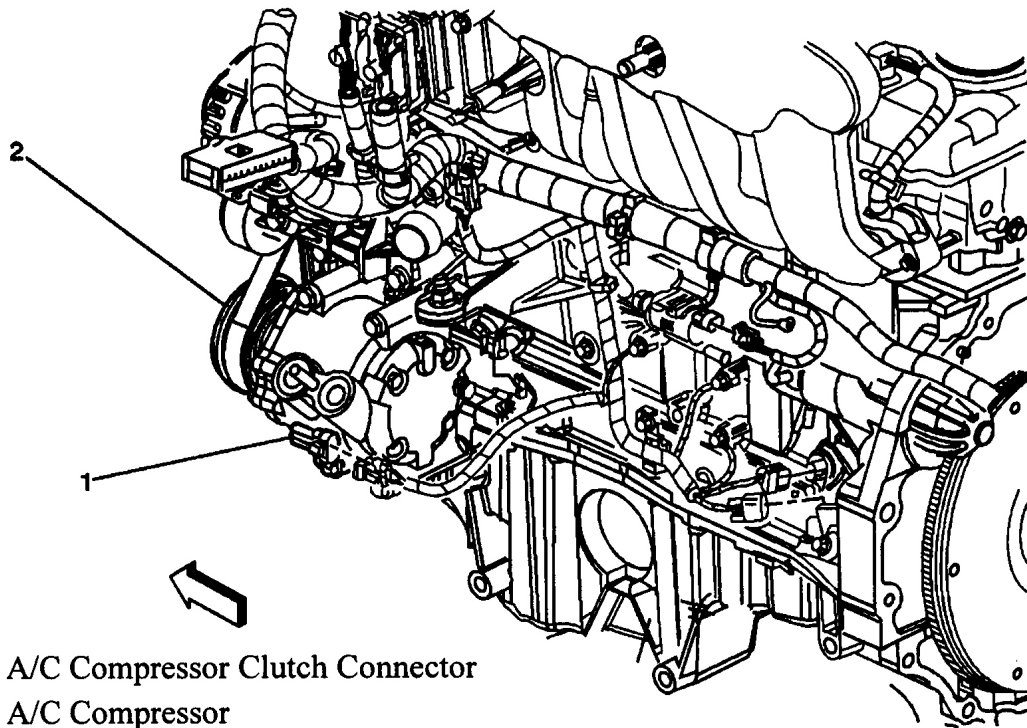
G00261862

**Fig. 13: Left Rear Body Side Panel (XUV)**  
**Courtesy of GENERAL MOTORS CORP.**



## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



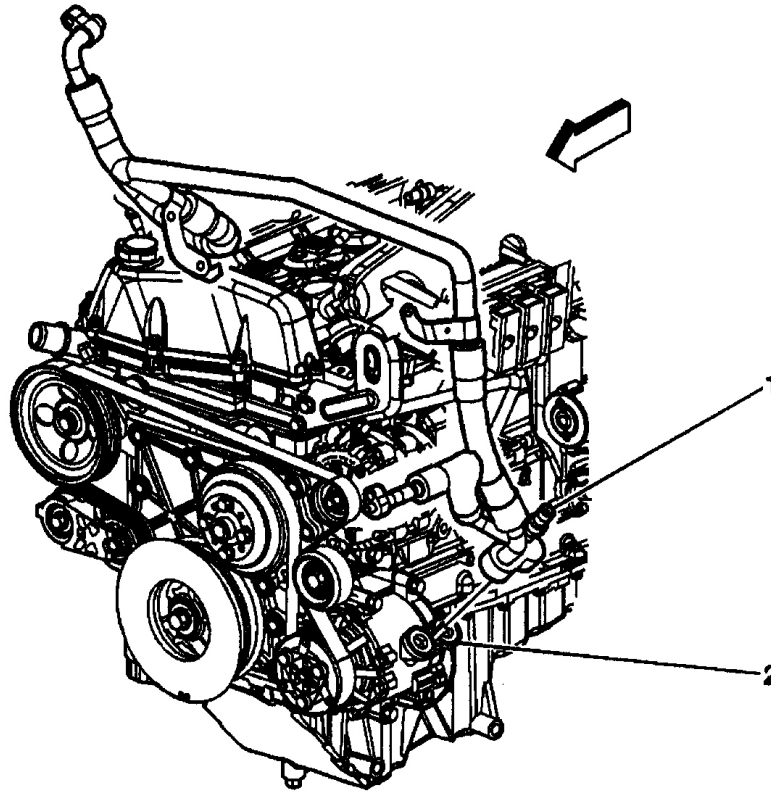
- (1) A/C Compressor Clutch Connector
- (2) A/C Compressor

G00261867

**Fig. 14: Left Side Of Engine (4.2L)**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



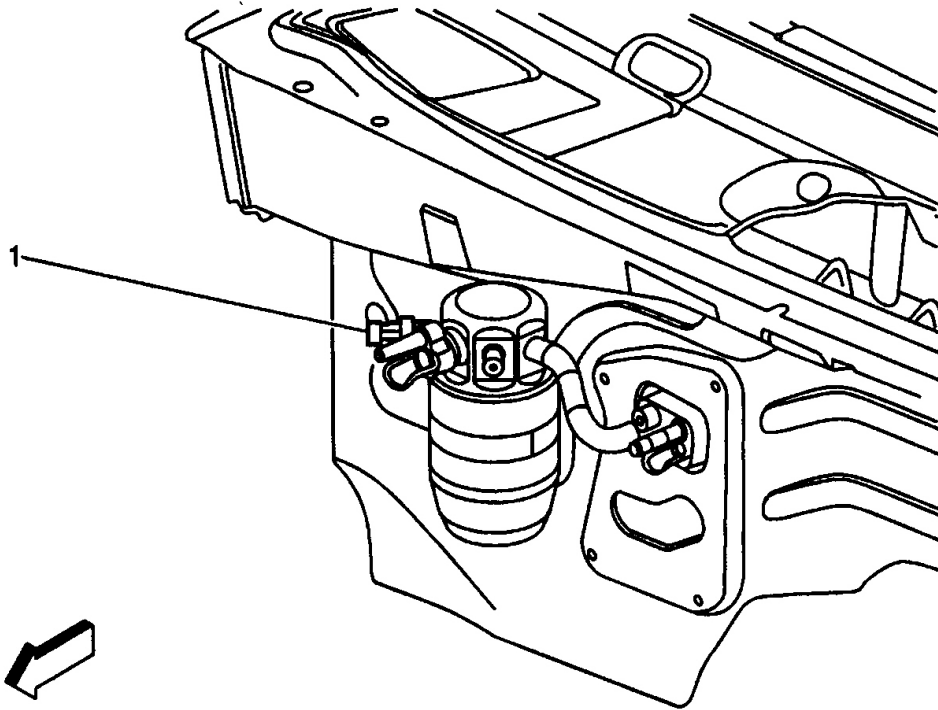
- (1) Air Conditioning Refrigerant Pressure Sensor
- (2) A/C Compressor

G00261868

**Fig. 15: Front Of Engine (4.2L)**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

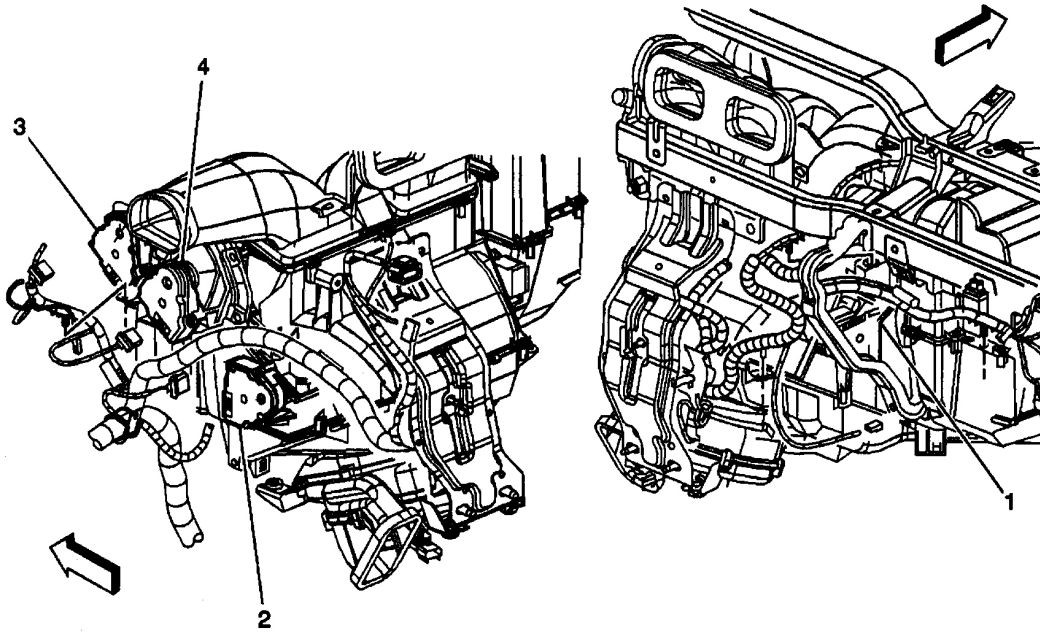
2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



(1) A/C Low Pressure Switch

G00261869

**Fig. 16: Right Rear Of Engine Compartment**  
**Courtesy of GENERAL MOTORS CORP.**



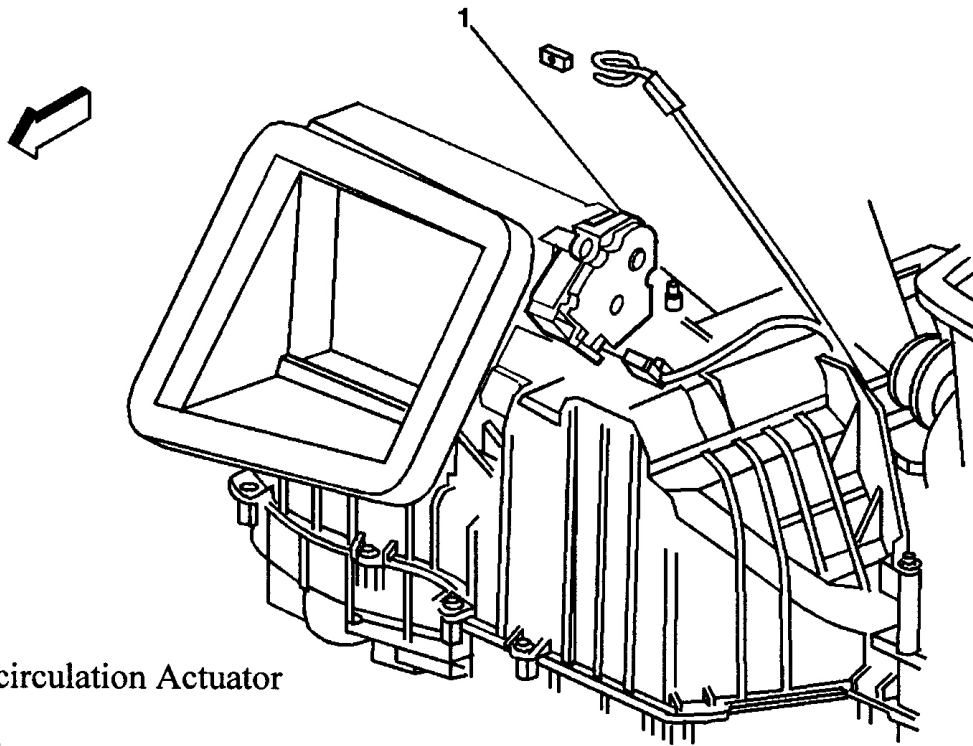
- (1) Air Temperature Actuator-Right
- (2) Air Temperature Actuator-Left
- (3) Defrost Actuator
- (4) Mode Actuator

G00261872

**Fig. 17: Left & Right Instrument Panel Carrier**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



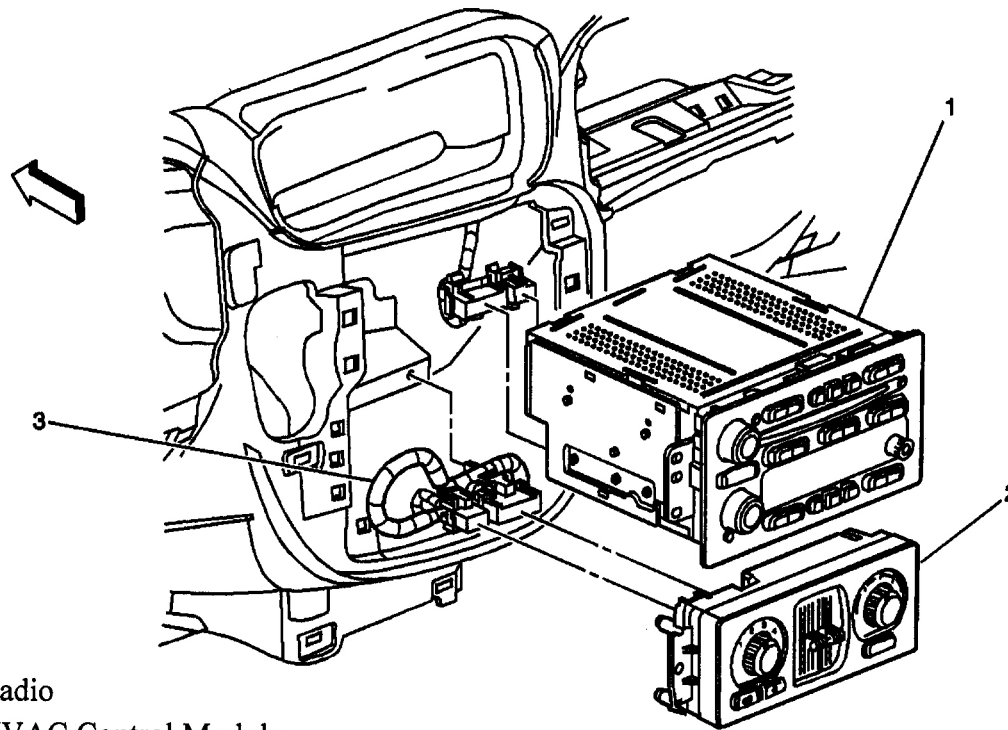
(1) Recirculation Actuator

G00261873

**Fig. 18: Dash Panel Carrier**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



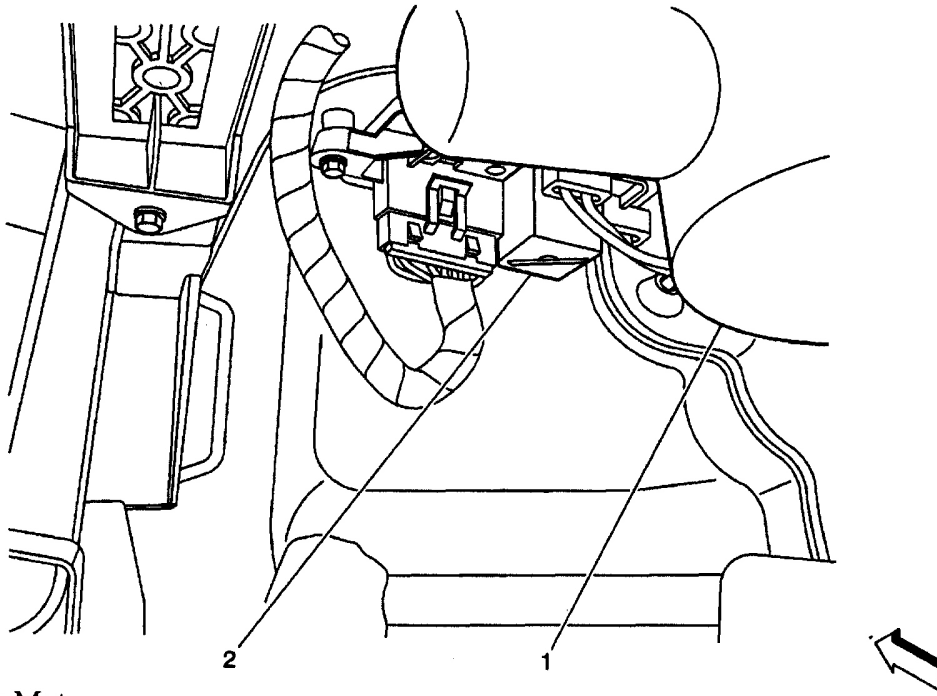
- (1) Radio
- (2) HVAC Control Module
- (3) I/P Harness

G00261874

**Fig. 19: Center Of Dash**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



(1) Blower Motor

(2) Blower Motor Resistor Assembly

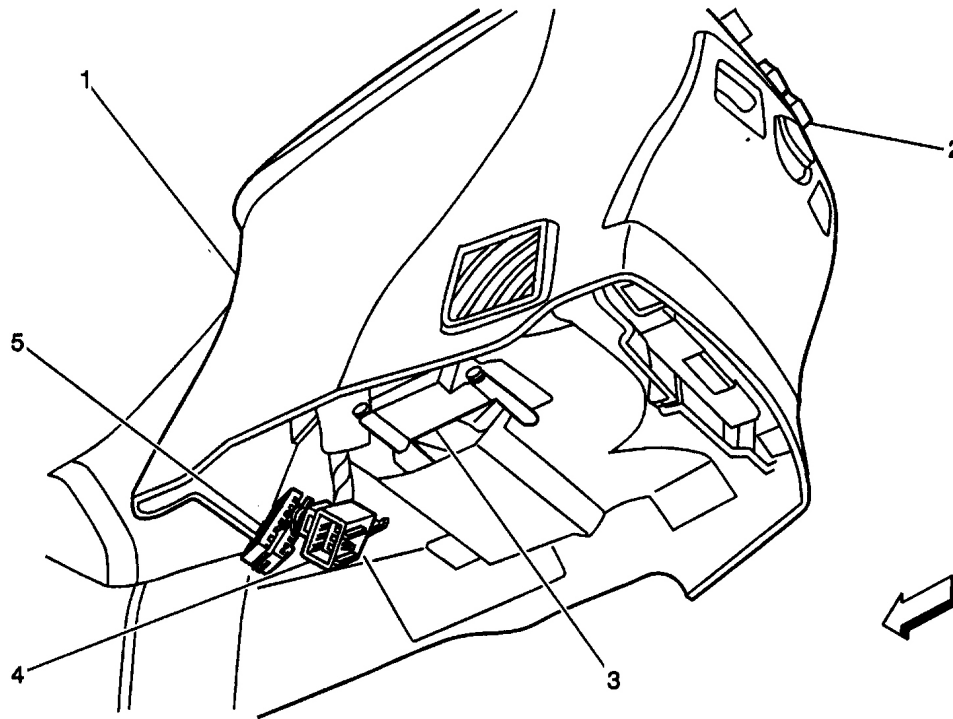
G00261875

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



## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



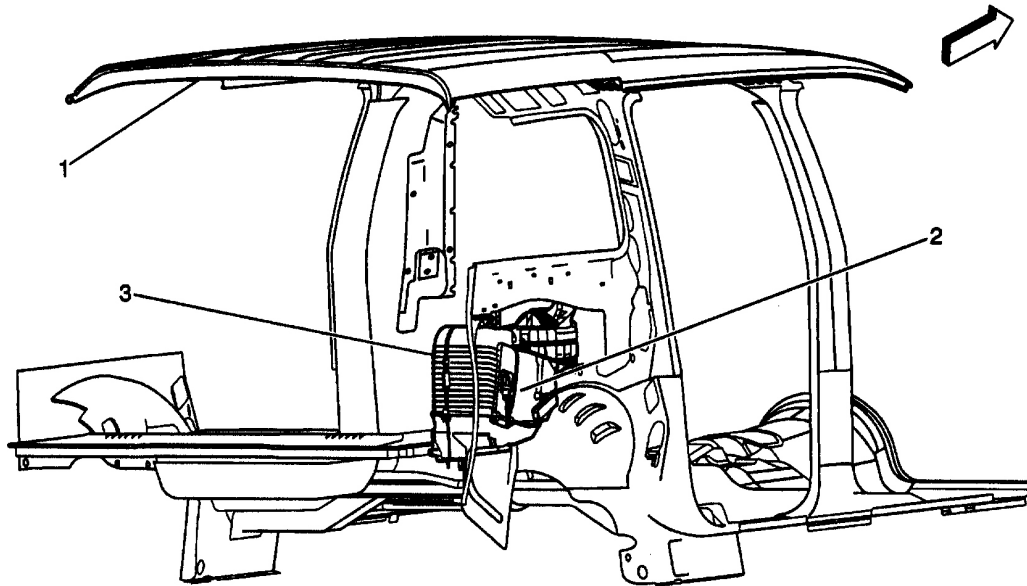
- (1) Lower Console
- (2) HVAC Control Module-Auxiliary or RSA/HVAC Control Module-Auxiliary
- (3) Console Mode Actuator
- (4) C309
- (5) C307

G00261877

**Fig. 21: Lower Console**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



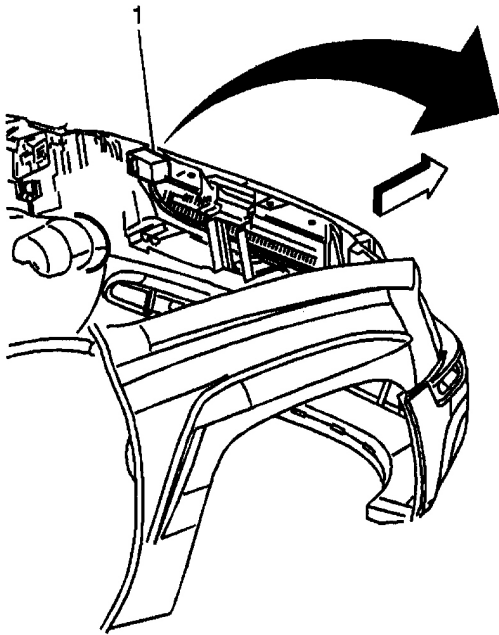
- (1) Body Rear Opening
- (2) Blower Motor Control Processor-Auxiliary
- (3) Rear Evaporator and Heater Core

G00261880

**Fig. 22: Right Rear Of Vehicle**  
**Courtesy of GENERAL MOTORS CORP.**

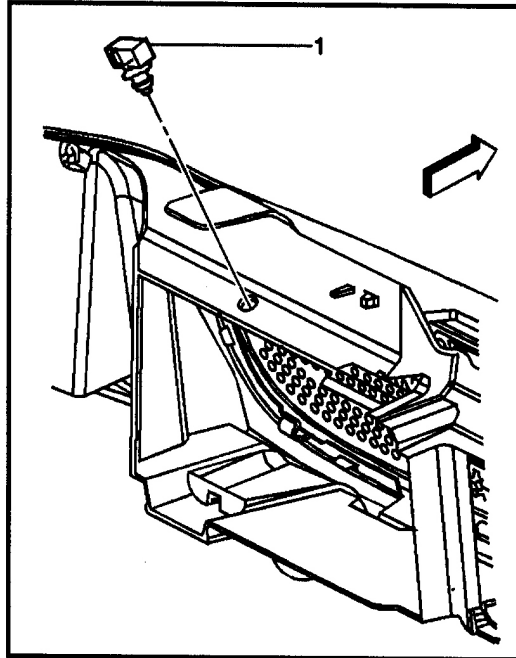
## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer

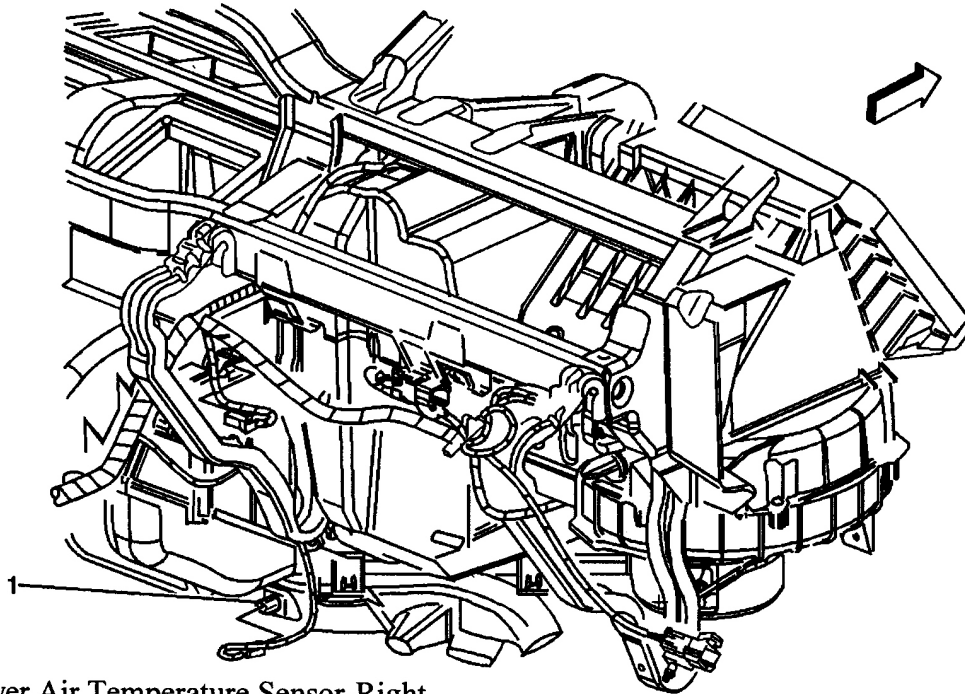


(1) Ambient Air Temperature Sensor

G00261881



**Fig. 23: Right Front Of Vehicle**  
**Courtesy of GENERAL MOTORS CORP.**



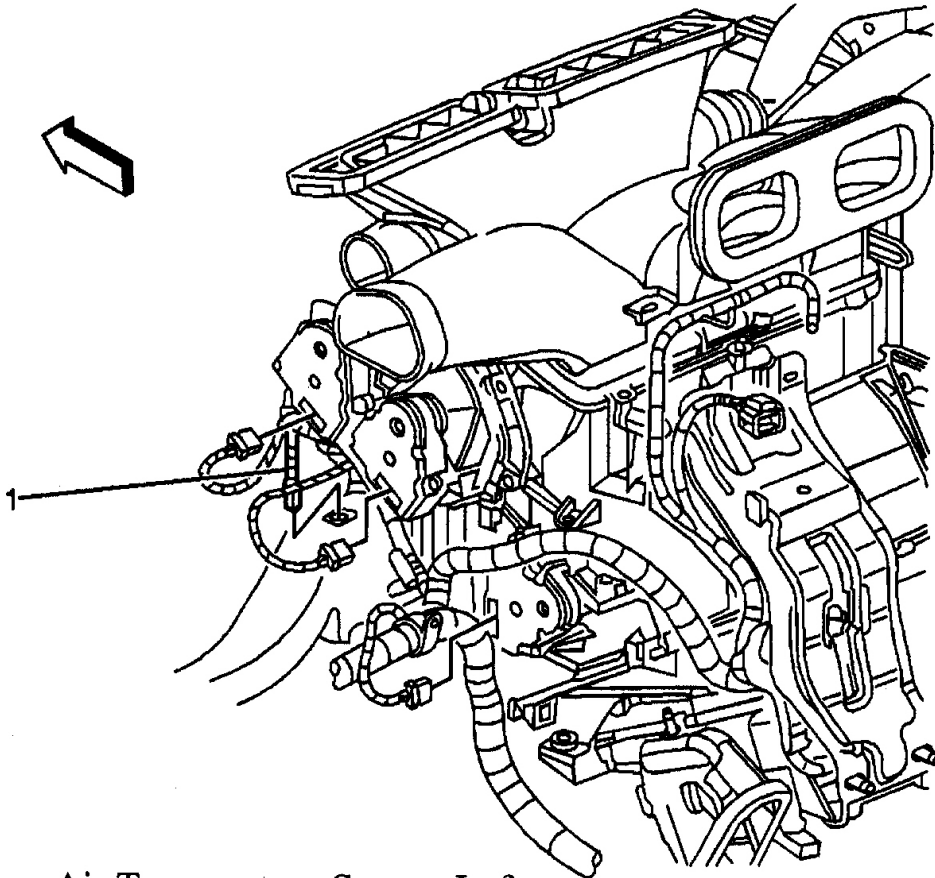
(1) Lower Air Temperature Sensor-Right

G00261884

**Fig. 24: Right Side Of Dash**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



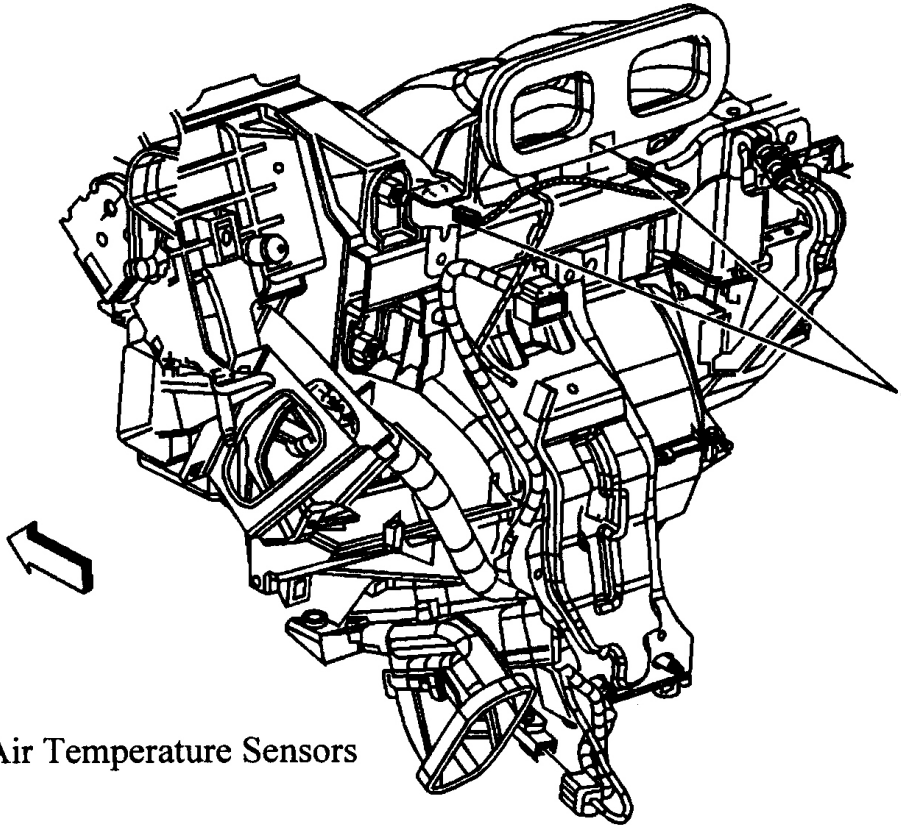
(1) Lower Air Temperature Sensor-Left

G00261885

**Fig. 25: Center Of Dash**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



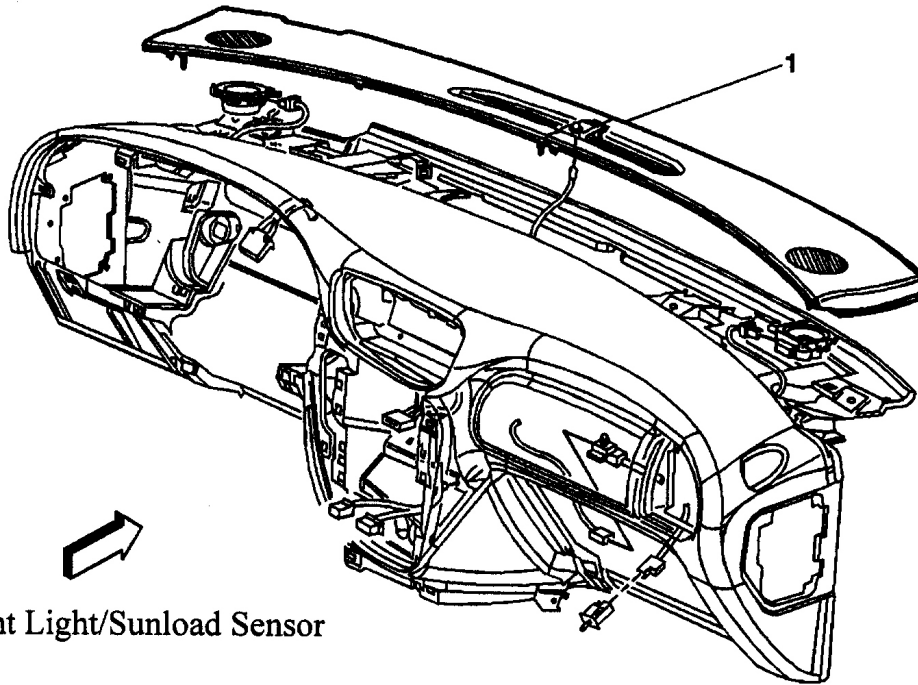
(1) Upper Air Temperature Sensors

G00261886

**Fig. 26: Center Of Dash**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



(1) Ambient Light/Sunload Sensor

G00261887

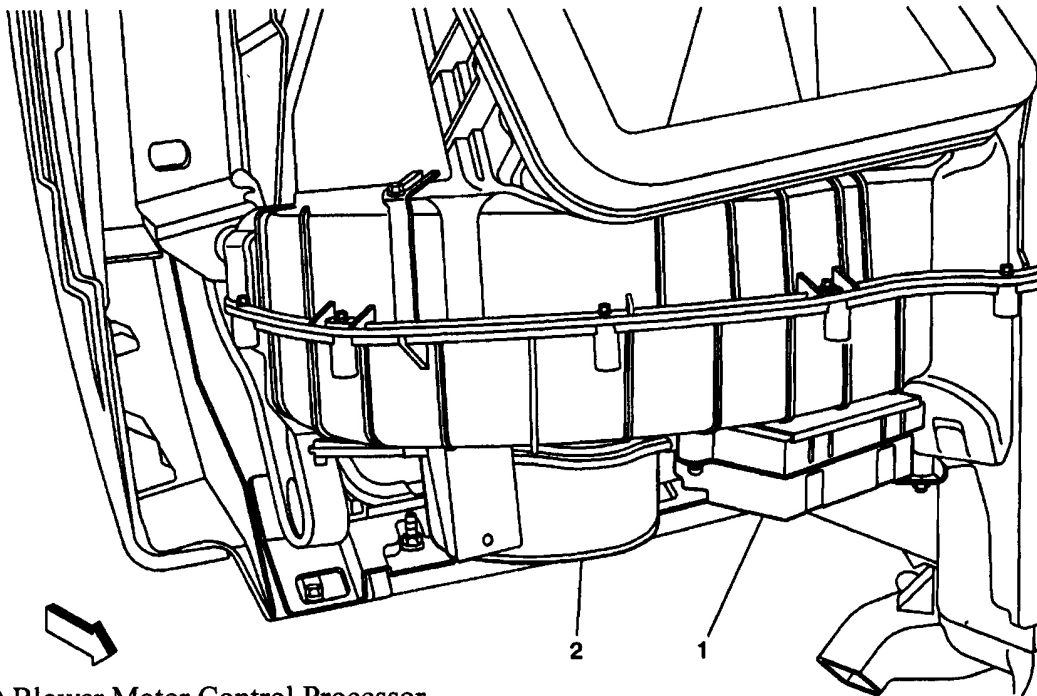
**Fig. 27: Dash**

**Courtesy of GENERAL MOTORS CORP.**



## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer

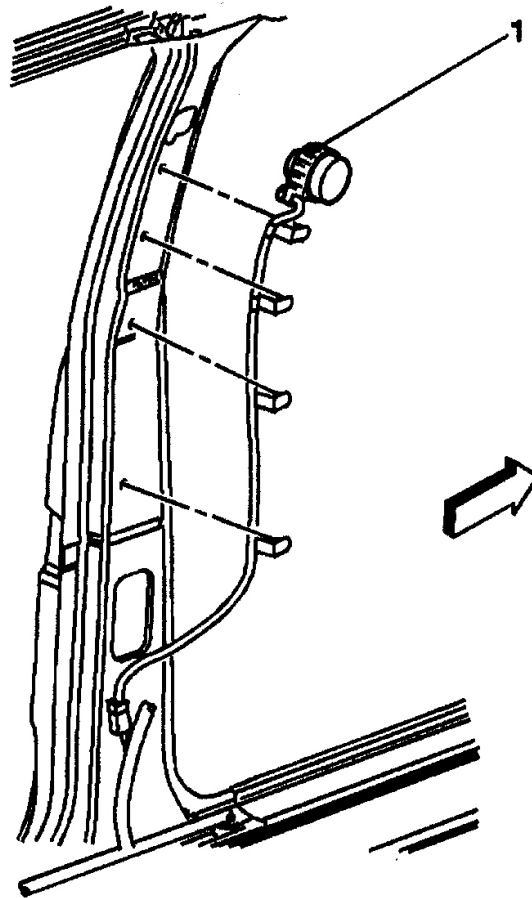


(1) Blower Motor Control Processor

(2) Blower Motor

G00261890

**Fig. 28: Lower Right Side Of Dash**  
**Courtesy of GENERAL MOTORS CORP.**



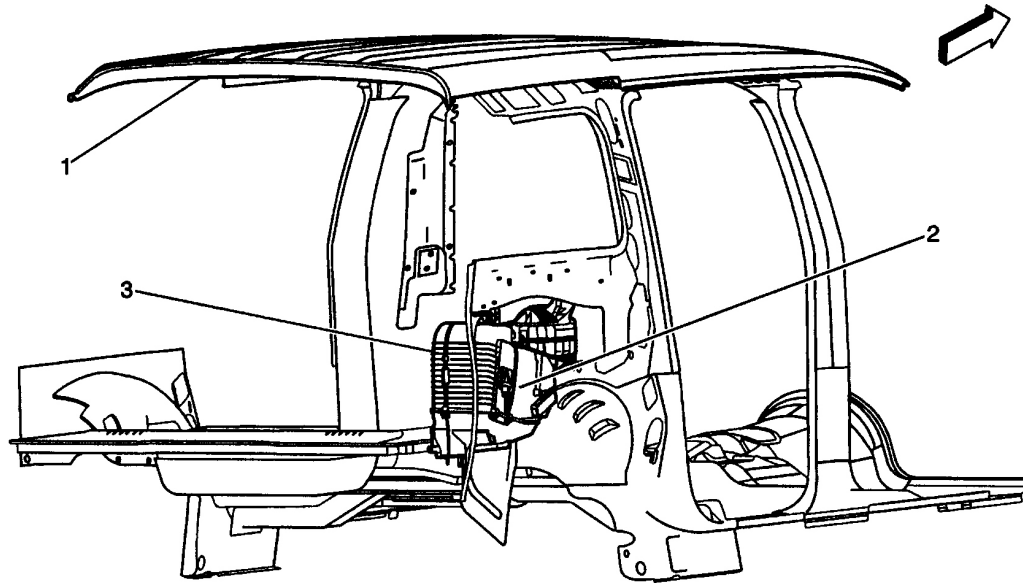
(1) Inside Air Temperature Sensor

G00261891

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

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



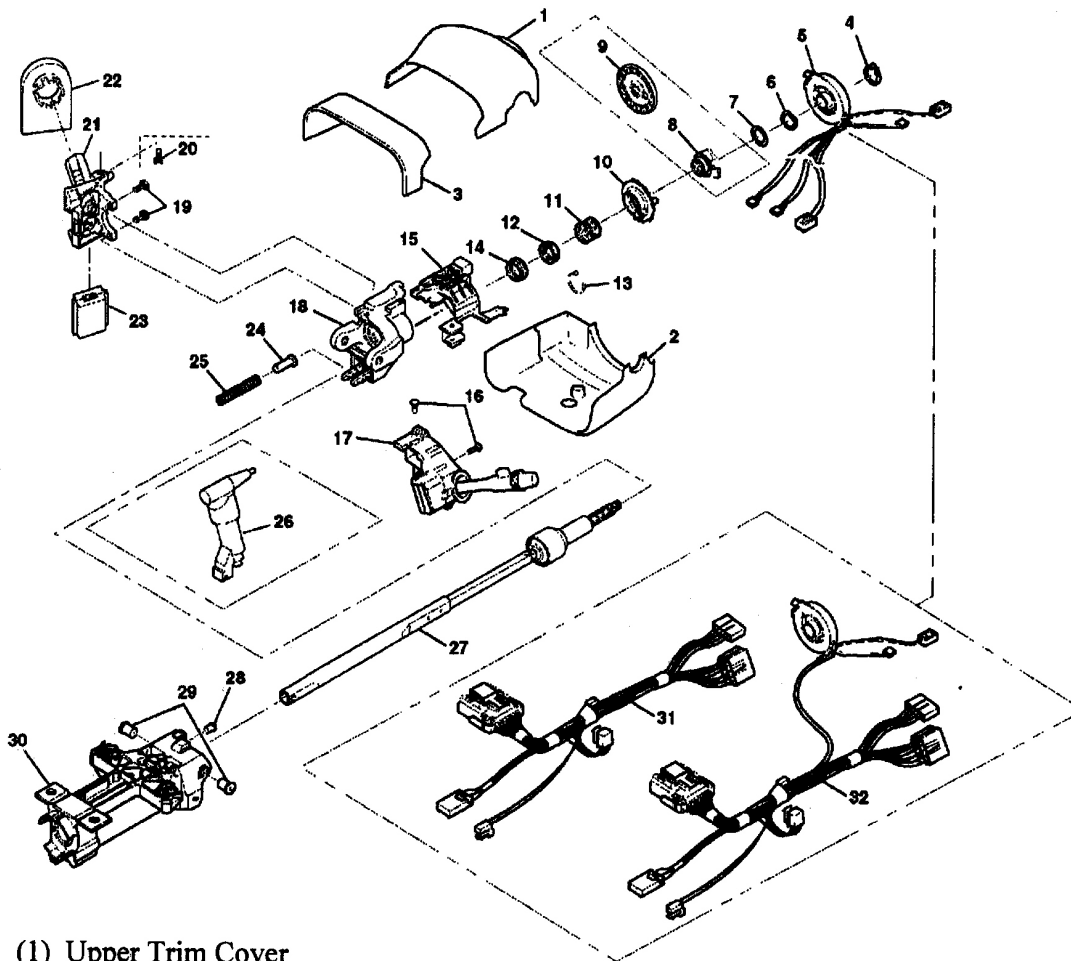
- (1) Body Rear Opening
- (2) Blower Motor Control Processor - Auxiliary
- (3) Rear Evaporator and Heater Core

G00261894

**Fig. 30: Right Rear Of Vehicle Chassis (Long Wheelbase, Except XUV)**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



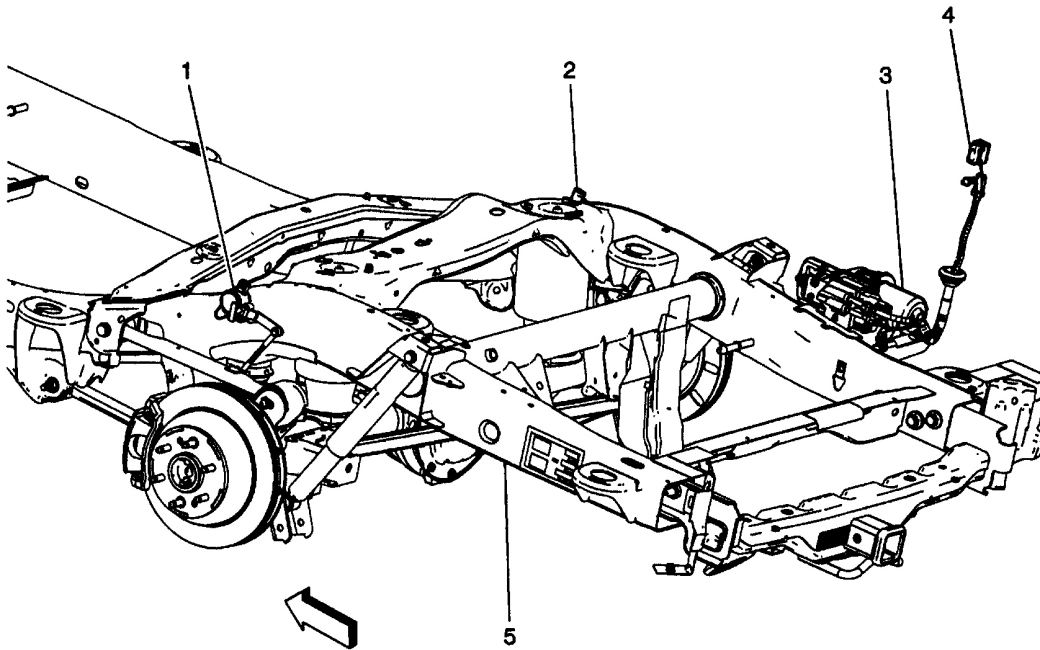
- (1) Upper Trim Cover
- (2) Lower Trim Cover
- (3) Steering Column Closeout Trim Cover
- (4) Retaining Ring
- (5) SIR Coil
- (6) Wave Washer
- (7) Bearing Retainer

G00261895

**Fig. 31: Steering Column Components**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



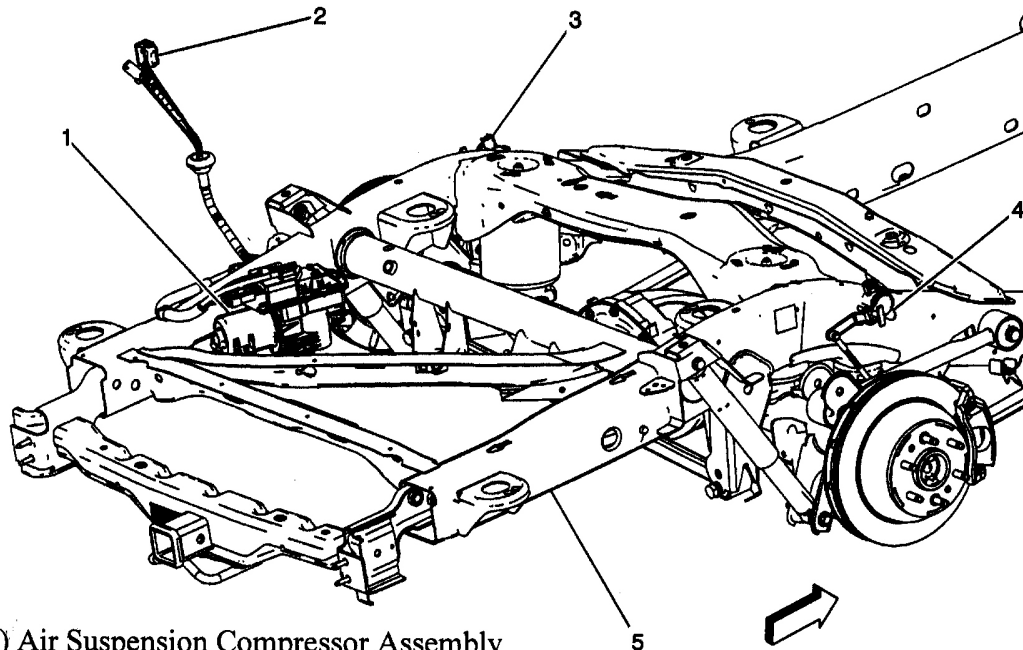
- (1) Air Suspension Sensor - LR
- (2) Air Suspension Sensor - RR
- (3) Air Suspension Compressor Assembly
- (4) Air Suspension Inflator Switch
- (5) Frame

G00261898

**Fig. 32: Rear Frame & Underbody (Short Wheelbase)**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

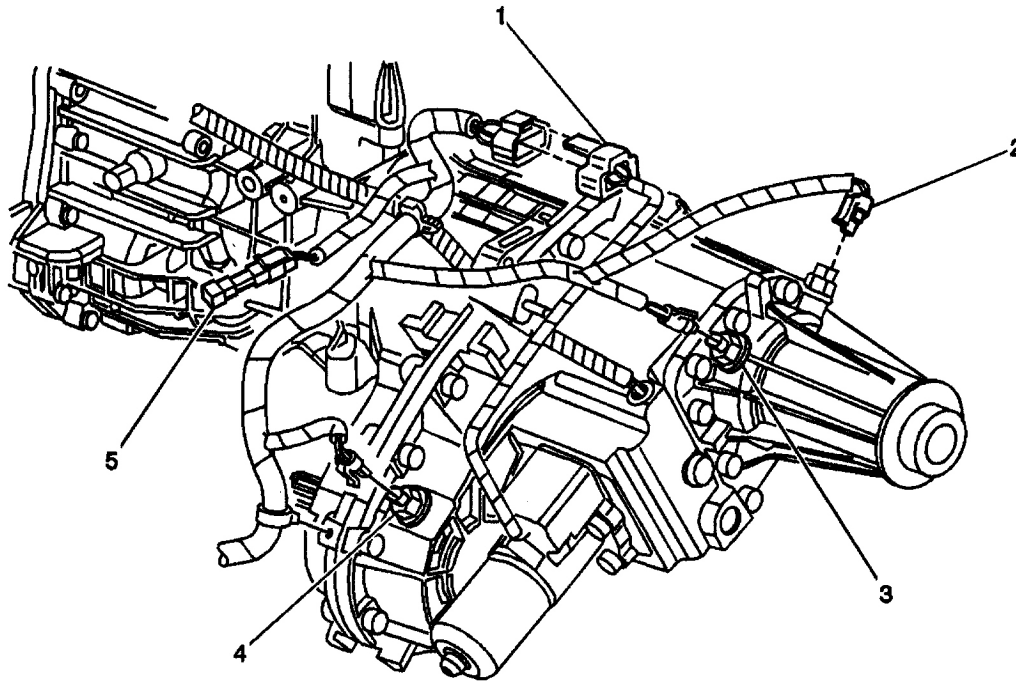
2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



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

G00261899

**Fig. 33: Rear Frame & Underbody (Long Wheelbase)**  
**Courtesy of GENERAL MOTORS CORP.**



- (1) Motor Encoder Connector
- (2) Propshaft Speed Sensor (VSS)-RR
- (3) Vehicle Speed Sensor (VSS)
- (4) Propshaft Speed Sensor (VSS)-LF
- (5) C310

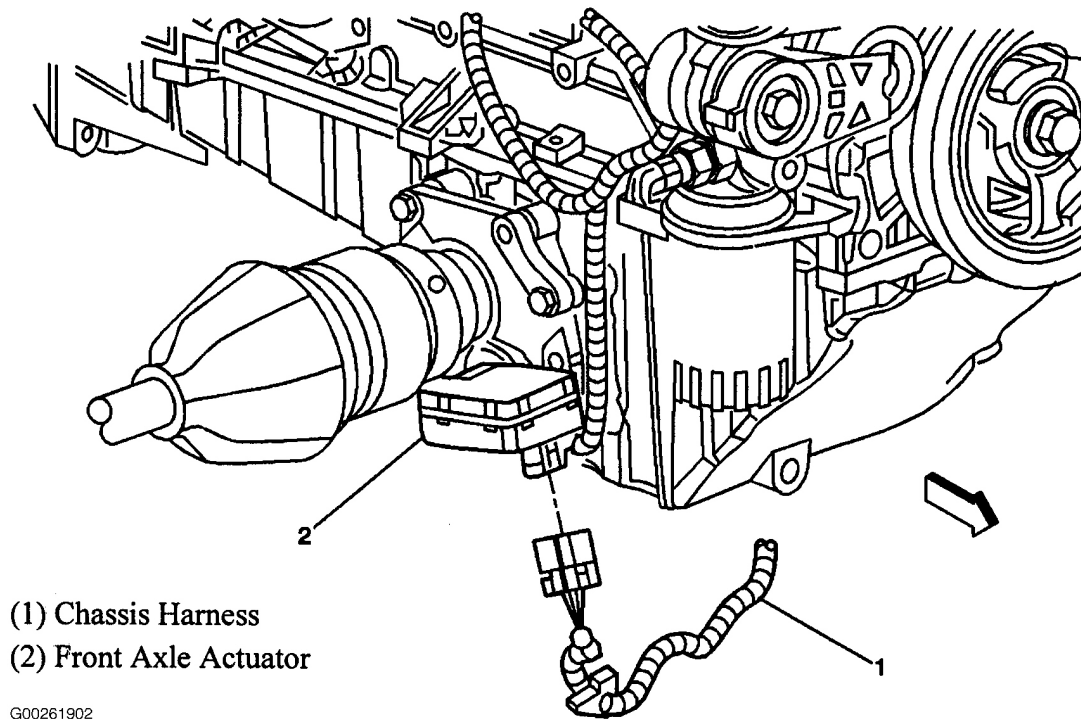
G00261901

**Fig. 34: Transfer Case**  
**Courtesy of GENERAL MOTORS CORP.**



## 2006 Buick Rainier

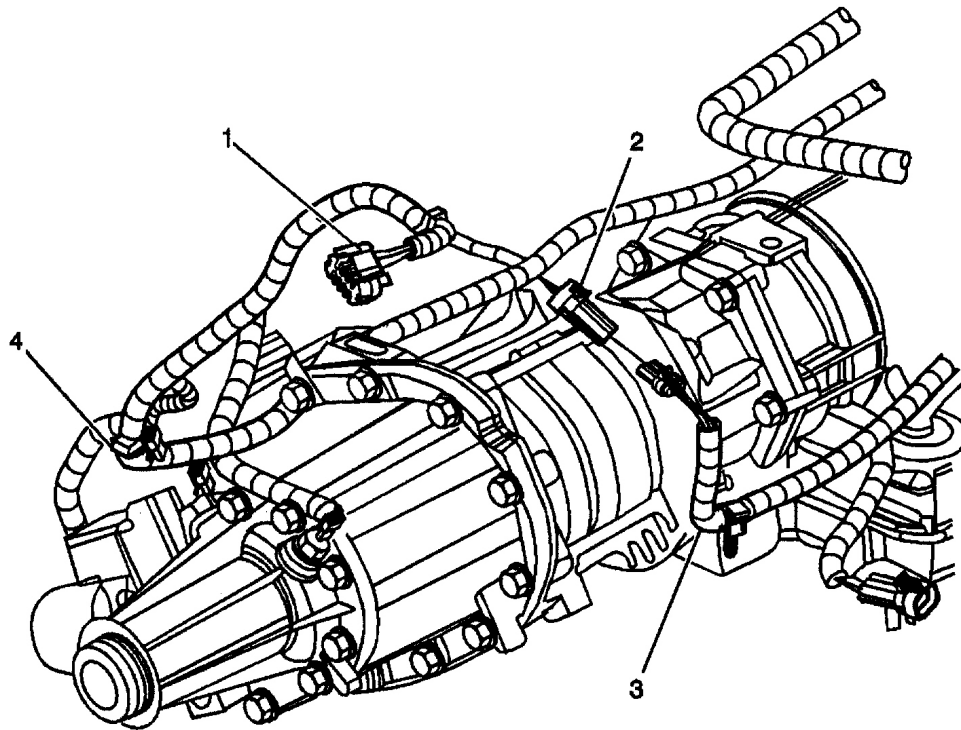
2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



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

G00261902

**Fig. 35: Right Front Of Engine (4.2L)**  
**Courtesy of GENERAL MOTORS CORP.**



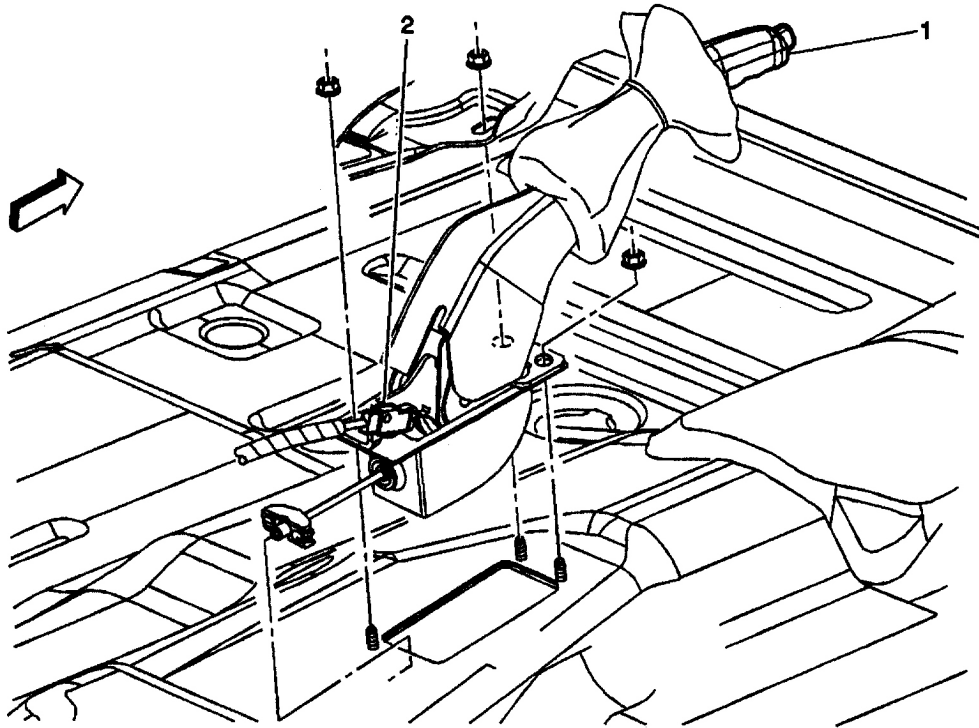
- (1) Transfer Case Motor Encoder Connector
- (2) C310, Engine to Chassis Harness
- (3) Engine Harness
- (4) Chassis Harness

G00261903

**Fig. 36: Transfer Case**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



(1) Park Brake Lever Assembly

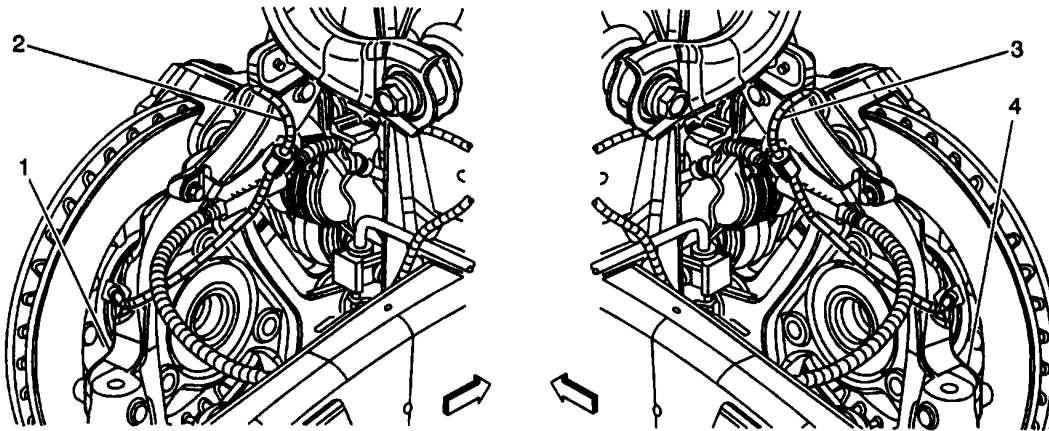
(2) Park Brake Switch

G00261904

**Fig. 37: Center Floor Pan**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



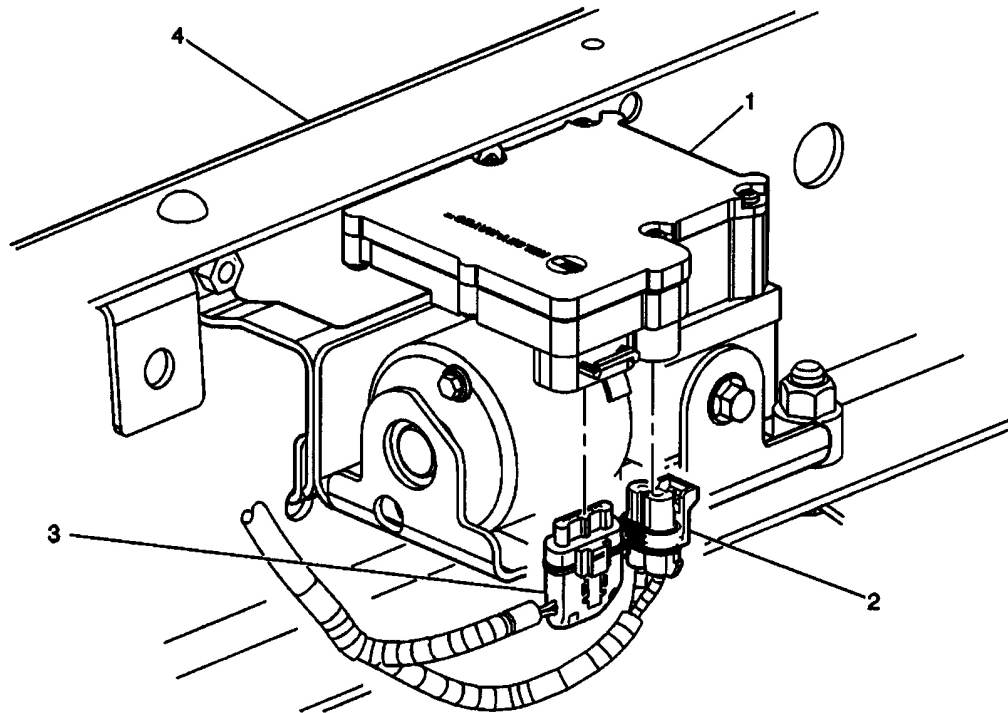
- (1) LH Steering Knuckle
- (2) Wheel Speed Sensor - LF
- (3) Wheel Speed Sensor - RF
- (4) RH Steering Knuckle

G00261906

**Fig. 38: Front Hubs & Rotors**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



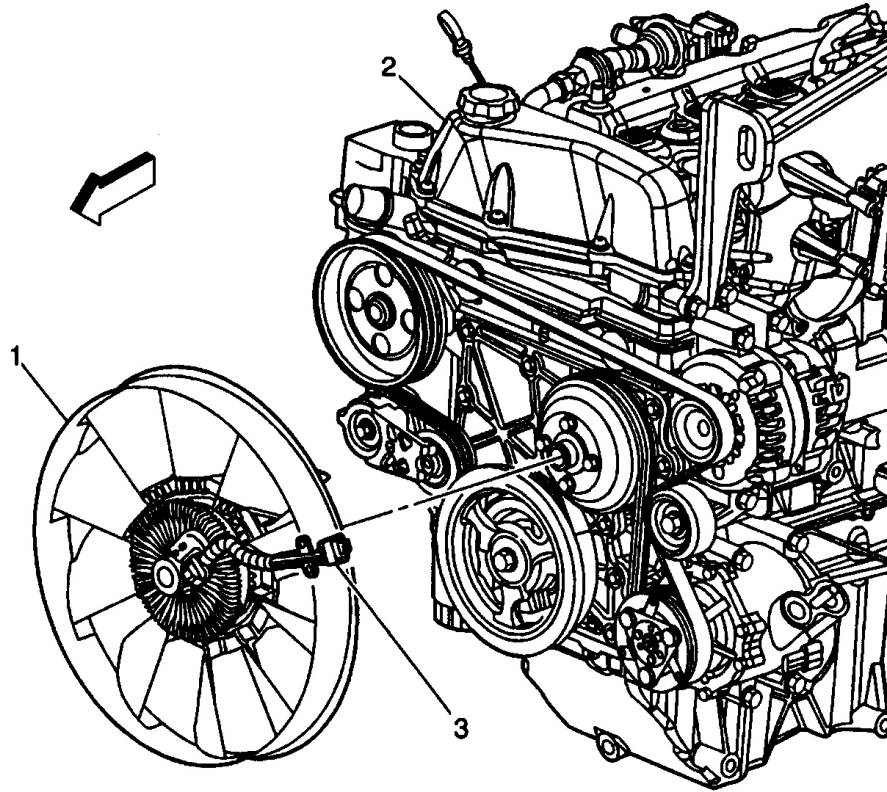
- (1) Electronic Brake Control Module (EBCM)
- (2) Electronic Brake Control Module (EBCM) Electrical Connector -- C1
- (3) Electronic Brake Control Module (EBCM) Electrical Connector -- C2
- (4) Frame

G00261907

**Fig. 39: Inner Left Frame Rail**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



(1) Engine Cooling Fan

(2) Engine

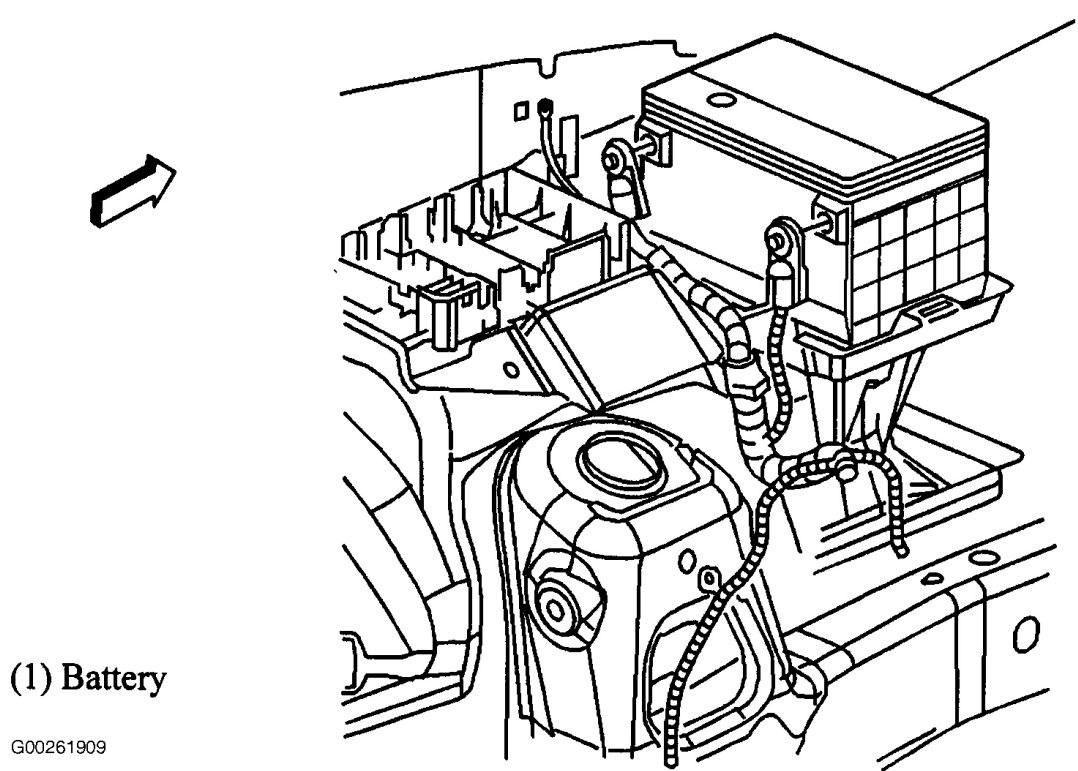
(3) C118

G00261908

**Fig. 40: Front Of Engine (4.2L)**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

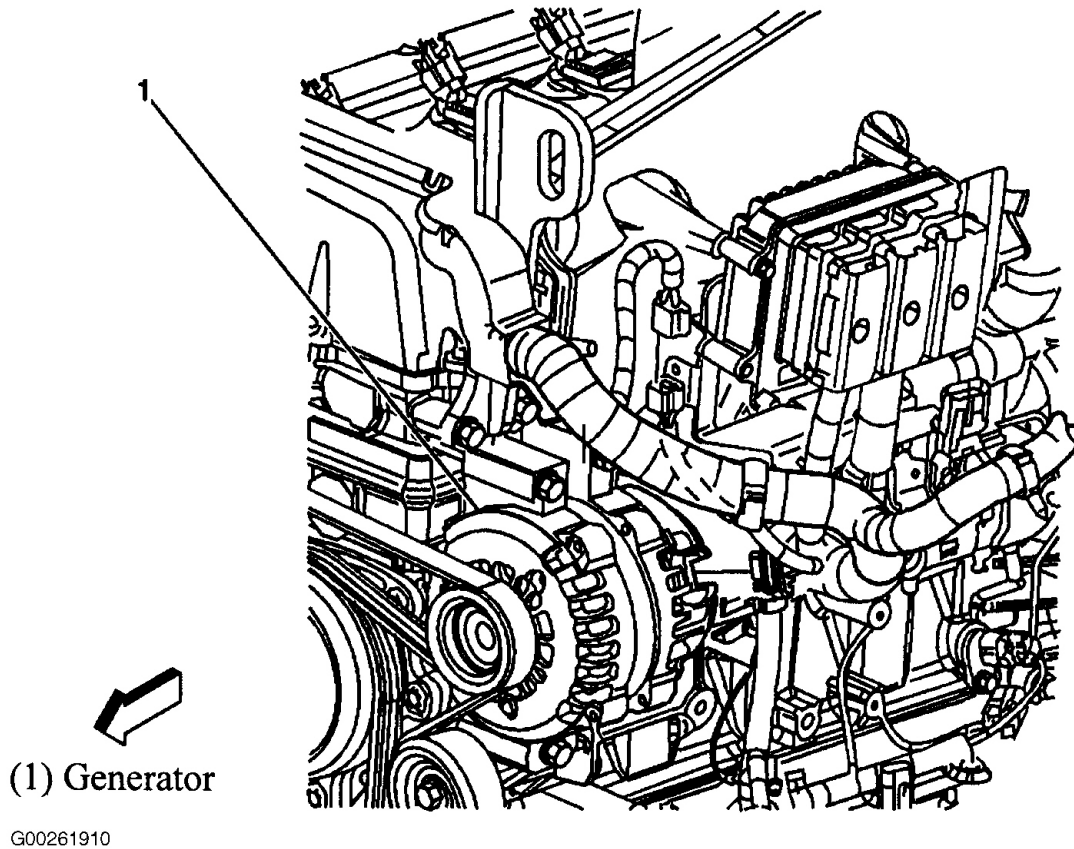
2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



**Fig. 41: Left Front Of Engine Compartment**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer

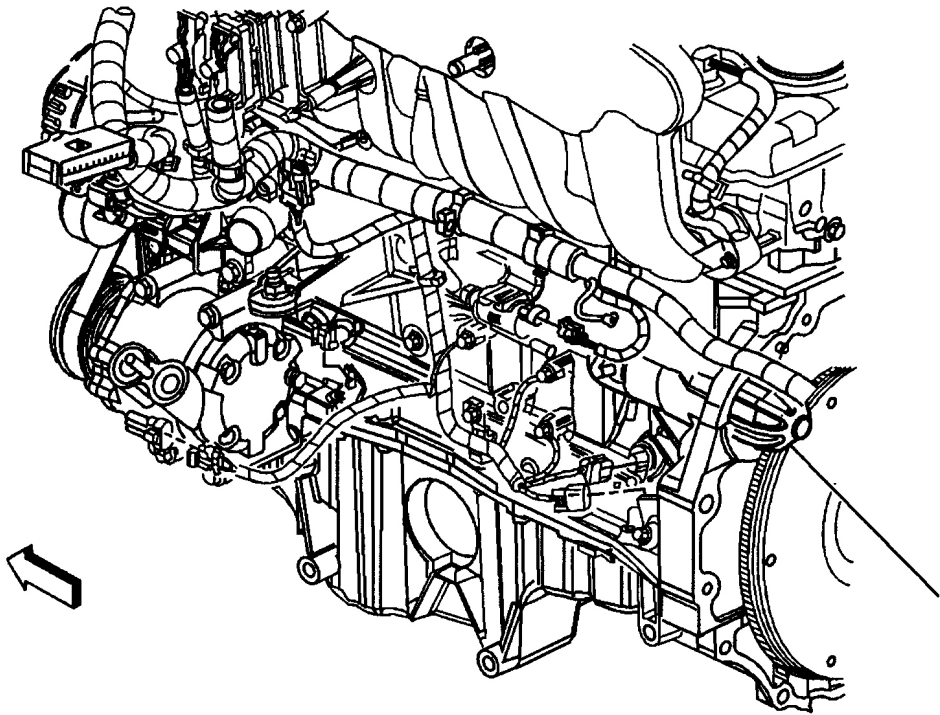


**Fig. 42: Left Front Of Engine (4.2L)**  
**Courtesy of GENERAL MOTORS CORP.**



## 2006 Buick Rainier

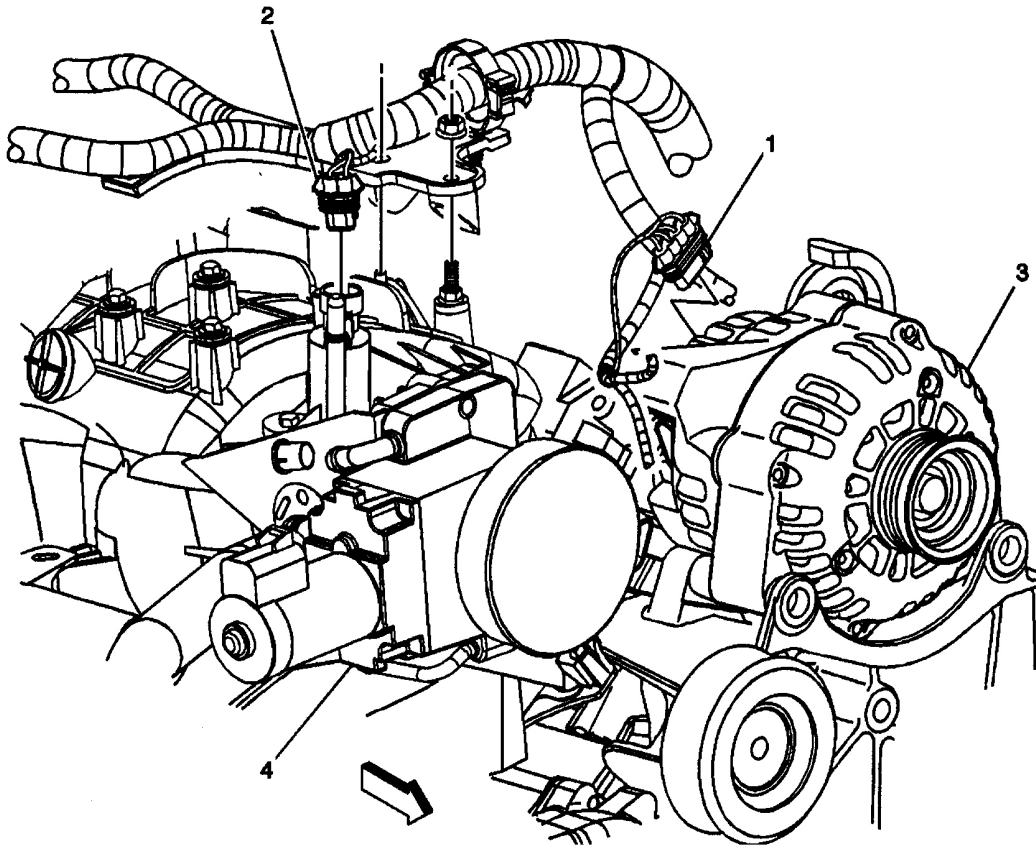
2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



(1) Starter

G00261911

**Fig. 43: Left Side Of Engine (4.2L)**  
**Courtesy of GENERAL MOTORS CORP.**



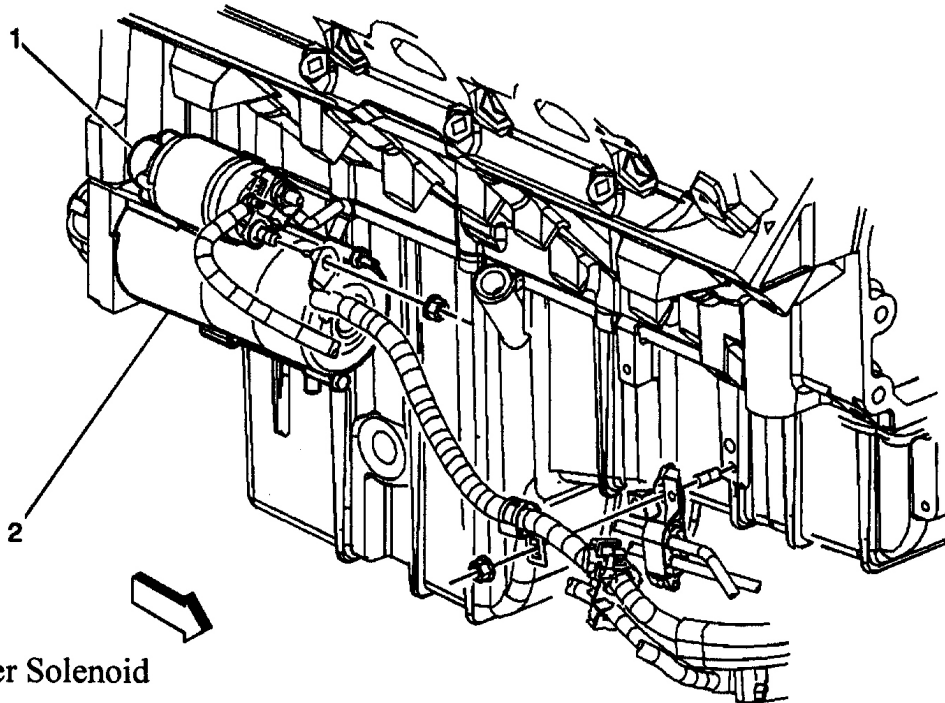
- (1) Generator Connector
- (2) Evaporative Emission (EVAP) Canister Purge Solenoid Connector
- (3) Generator
- (4) Throttle Body

G00261912

**Fig. 44: Top Front Of Engine (5.3L/6.0L)**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



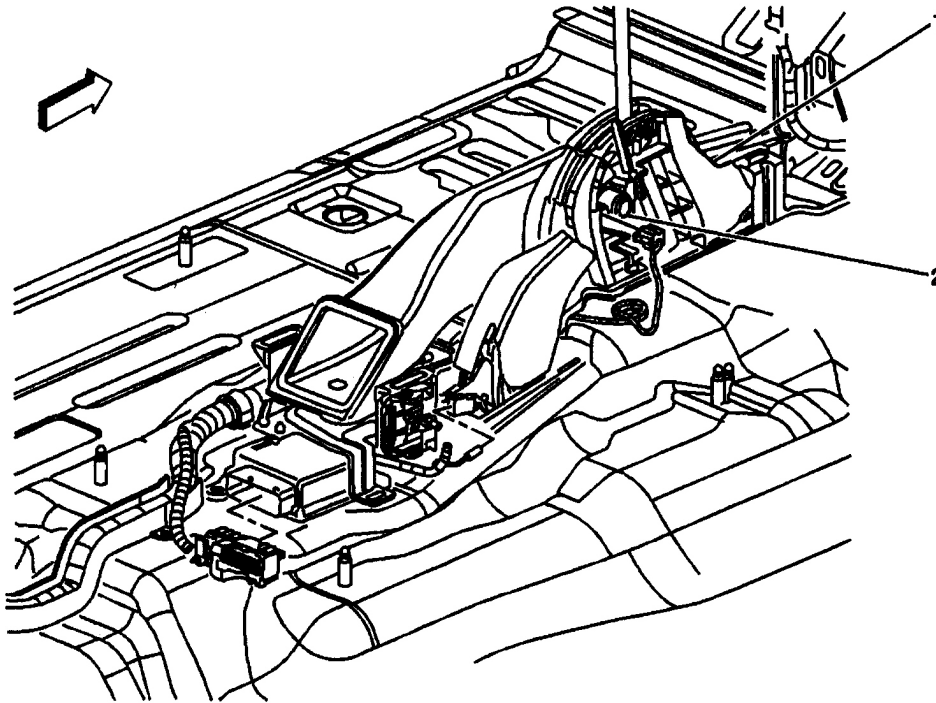
- (1) Starter Solenoid
- (2) Starter

G00261913

**Fig. 45: Right Side Of Engine (5.3L/6.0L)**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



(1) Lower Console

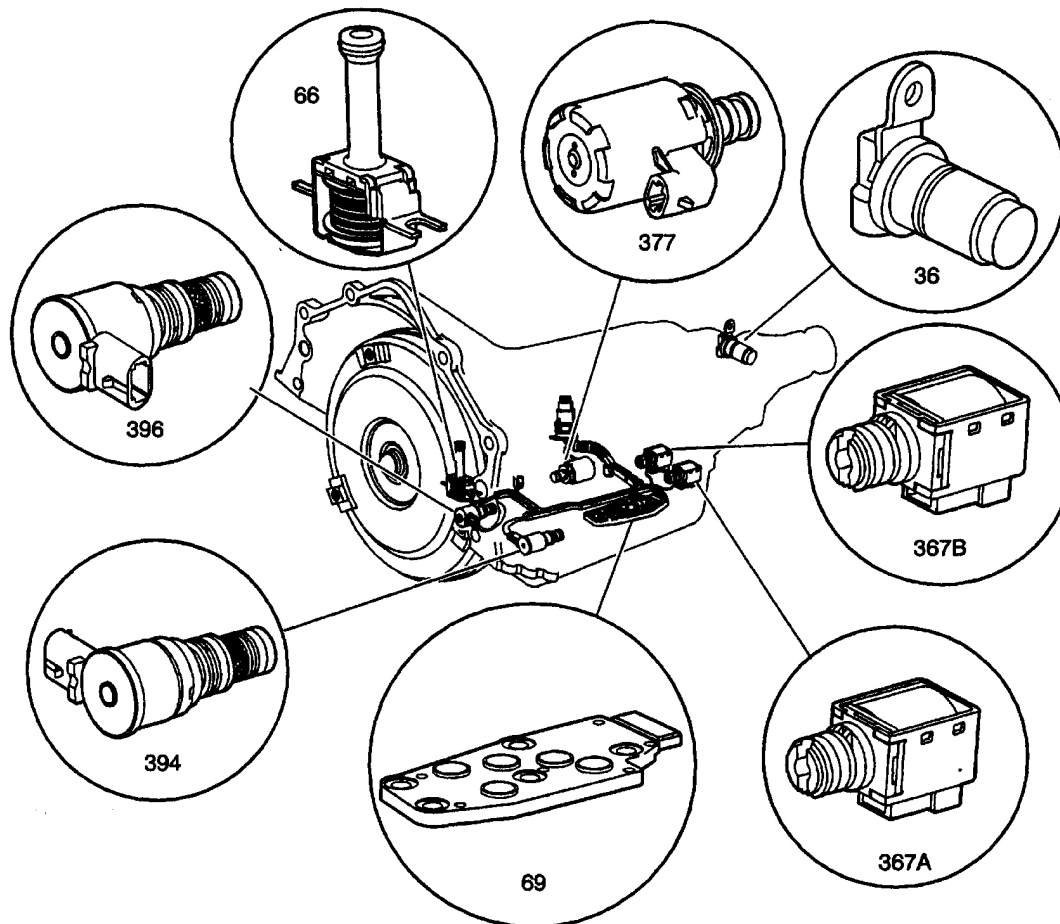
(2) Automatic Transmission Shift Lock Actuator

G00261914

**Fig. 46: Center Of Floor Pan**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



(36) Vehicle Speed Sensor (VSS)

(66) Torque Converter Clutch (TCC) Solenoid Valve

(69) Automatic Transmission Fluid Pressure (TFP) Manual Valve Position Switch

(367a) 1-2 Shift Solenoid (SS) Valve

(367b) 2-3 Shift Solenoid (SS) Valve

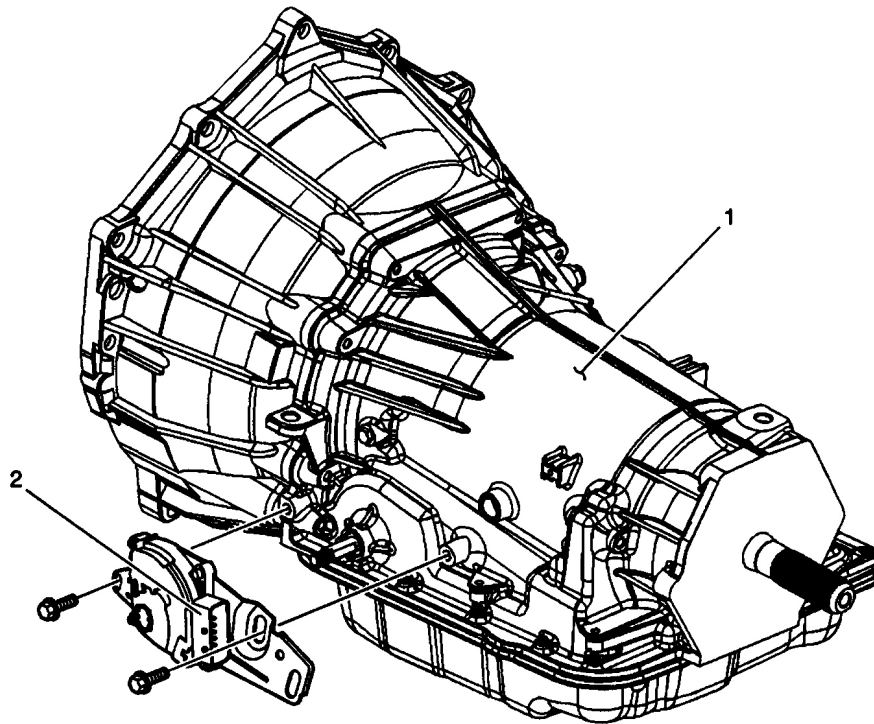
(377) Pressure Control (PC) Solenoid Valve

(394) 3-2 Shift Solenoid (SS) Valve Assembly

(396) Torque Converter Clutch Pulse Width Modulation (TCC PWM) Solenoid Valve

G00261915

**Fig. 47: Automatic Transmission Components (4L60-E)**  
**Courtesy of GENERAL MOTORS CORP.**



(1) Automatic Transmission 4L60-E

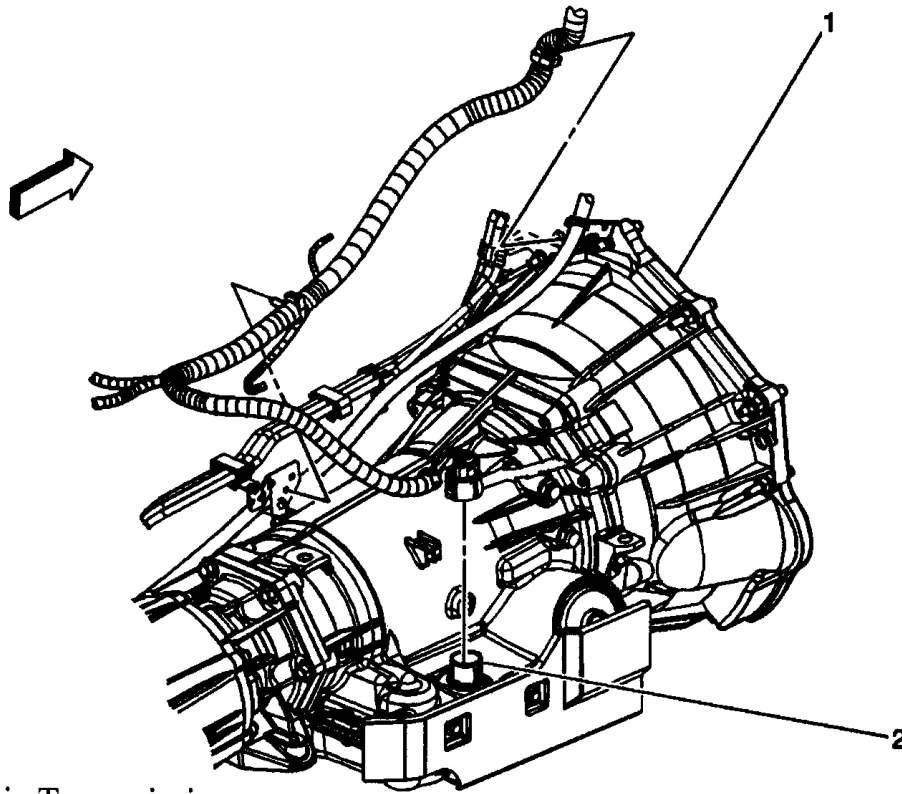
(2) PNP Switch

G00261916

**Fig. 48: Automatic Transmission**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer

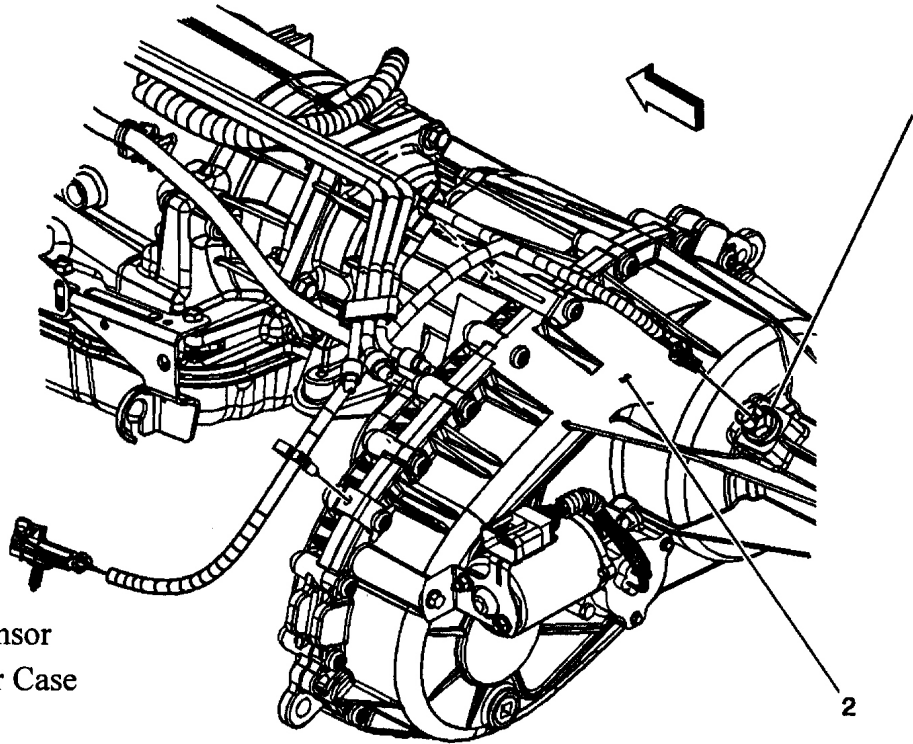


(1) Automatic Transmission

(2) C175

G00261917

**Fig. 49: Automatic Transmission**  
**Courtesy of GENERAL MOTORS CORP.**



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

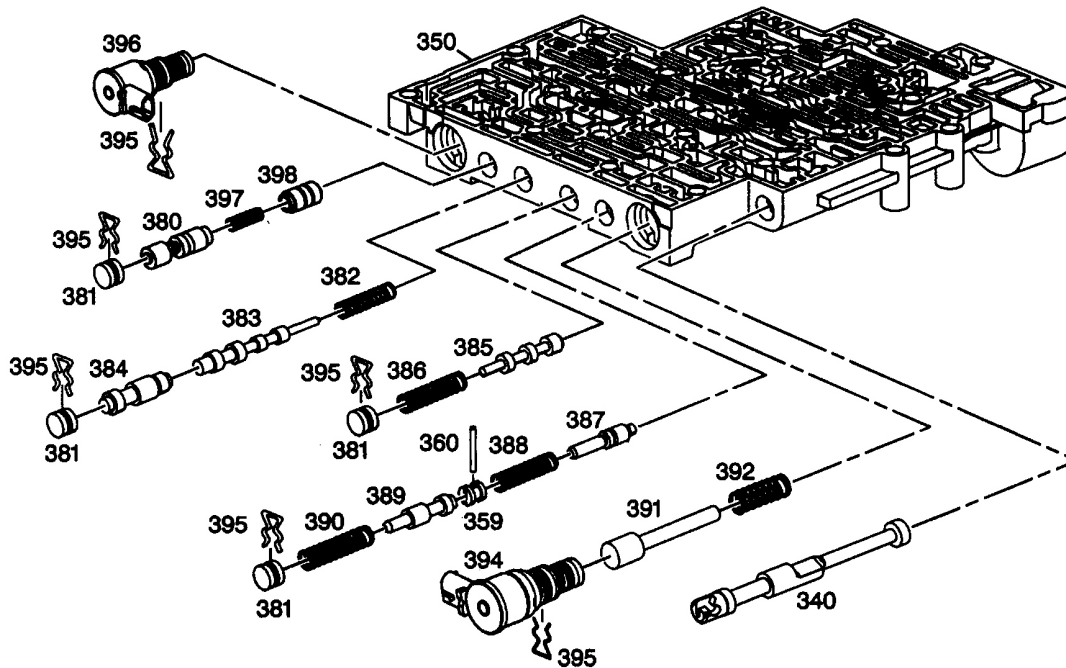
G00261918

**Fig. 50: Transfer Case**  
**Courtesy of GENERAL MOTORS CORP.**



## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



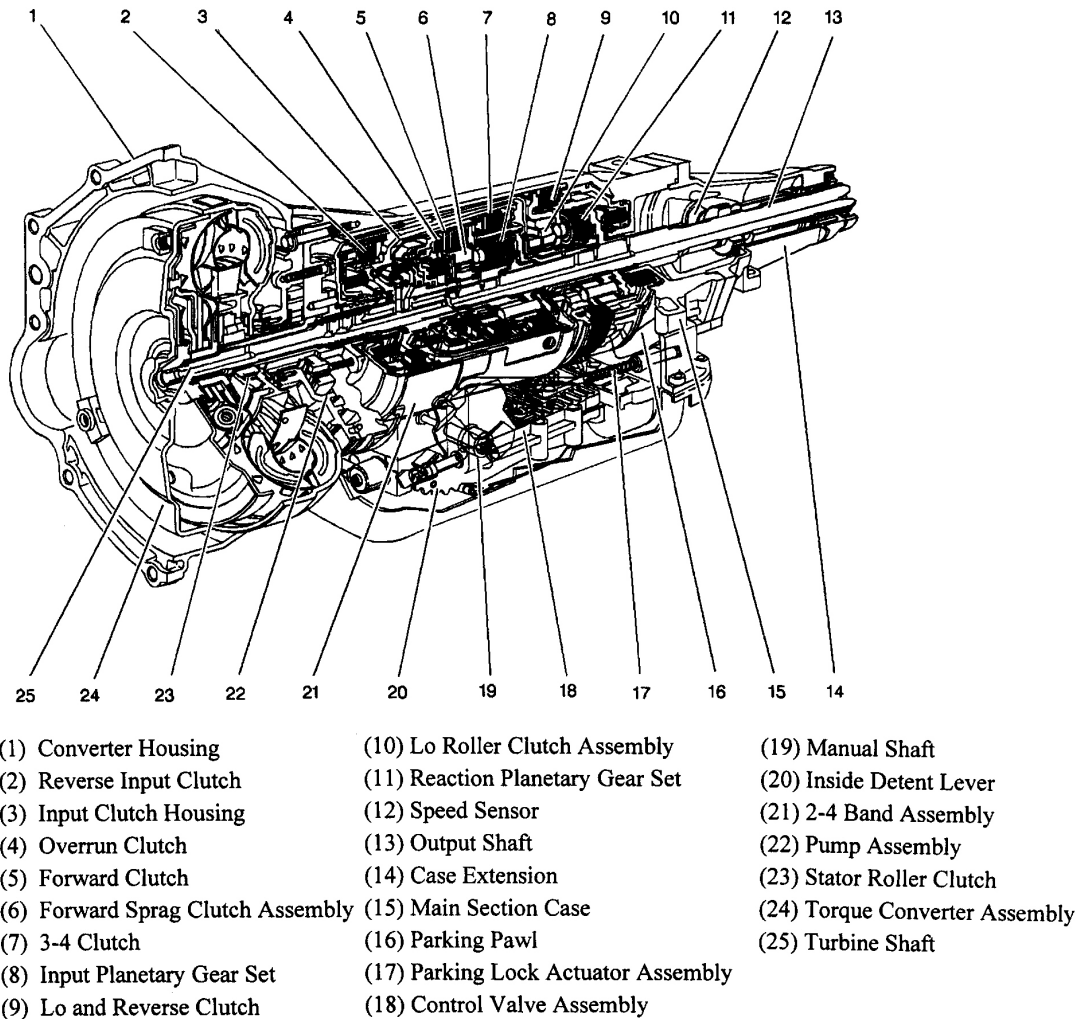
- |                                   |                                       |
|-----------------------------------|---------------------------------------|
| (340) Manual Valve                | (388) Reverse Abuse Valve Spring      |
| (350) Control Valve Body Assembly | (389) 3-2 Downshift Valve             |
| (359) Bore Plug                   | (390) 3-2 Downshift Valve Spring      |
| (360) Coiled Spring Pin           | (391) 3-2 Control Valve               |
| (380) Regulator Apply Valve       | (392) 3-2 Control Valve Spring        |
| (381) Bore Plug                   | (394) 3-2 Control Solenoid Valve      |
| (381) Bore Plug                   | (395) Bore Plug and Solenoid Retainer |
| (381) Bore Plug                   | (395) Bore Plug and Solenoid Retainer |
| (381) Bore Plug                   | (395) Bore Plug and Solenoid Retainer |
| (382) 4-3 Sequence Valve Spring   | (395) Bore Plug and Solenoid Retainer |
| (383) 4-3 Sequence Valve          | (395) Bore Plug and Solenoid Retainer |
| (384) 3-4 Relay Valve             | (395) Bore Plug and Solenoid Retainer |
| (385) 3-4 Shift Valve             | (395) Bore Plug and Solenoid Retainer |
| (386) 3-4 Shift Valve Spring      | (396) TCC PWM Solenoid Valve          |
| (387) Reverse Abuse Valve         | (397) Regulator Apply Spring          |
|                                   | (398) Isolator Valve                  |

G00261920

**Fig. 51: Valve Body Assembly**  
**Courtesy of GENERAL MOTORS CORP.**

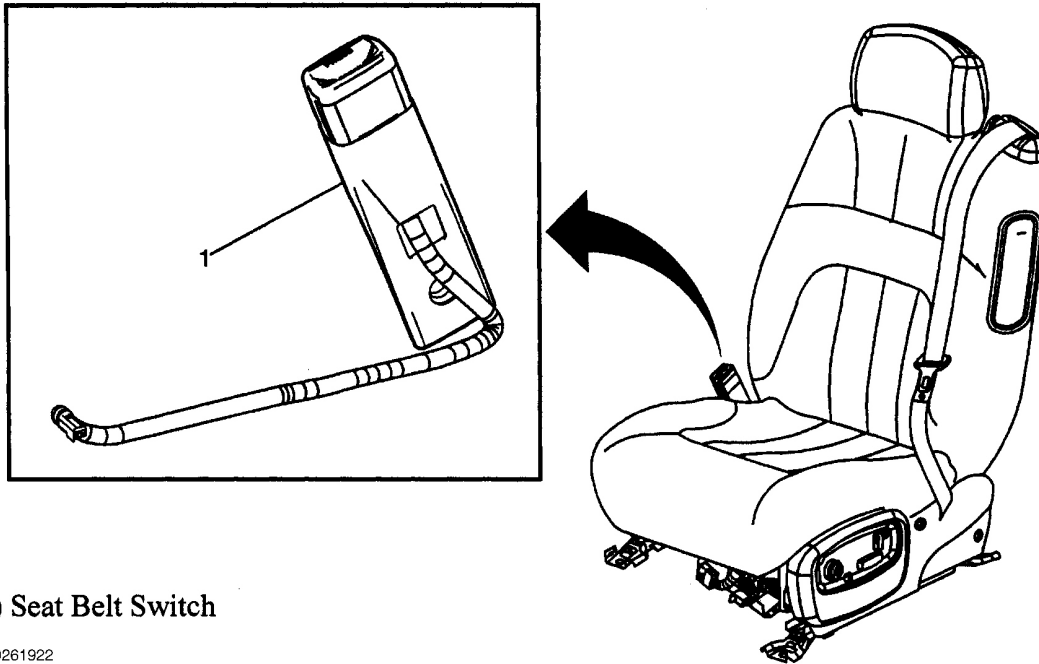
## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



G00261921

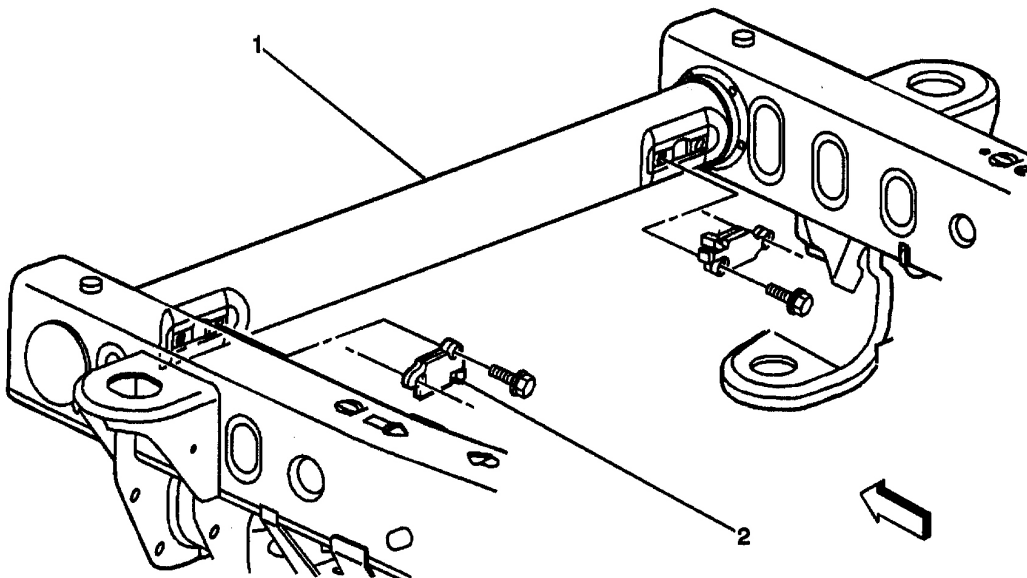
**Fig. 52: Automatic Transmission**  
**Courtesy of GENERAL MOTORS CORP.**



(1) Seat Belt Switch

G00261922

**Fig. 53: Left Front Seat Assembly**  
**Courtesy of GENERAL MOTORS CORP.**

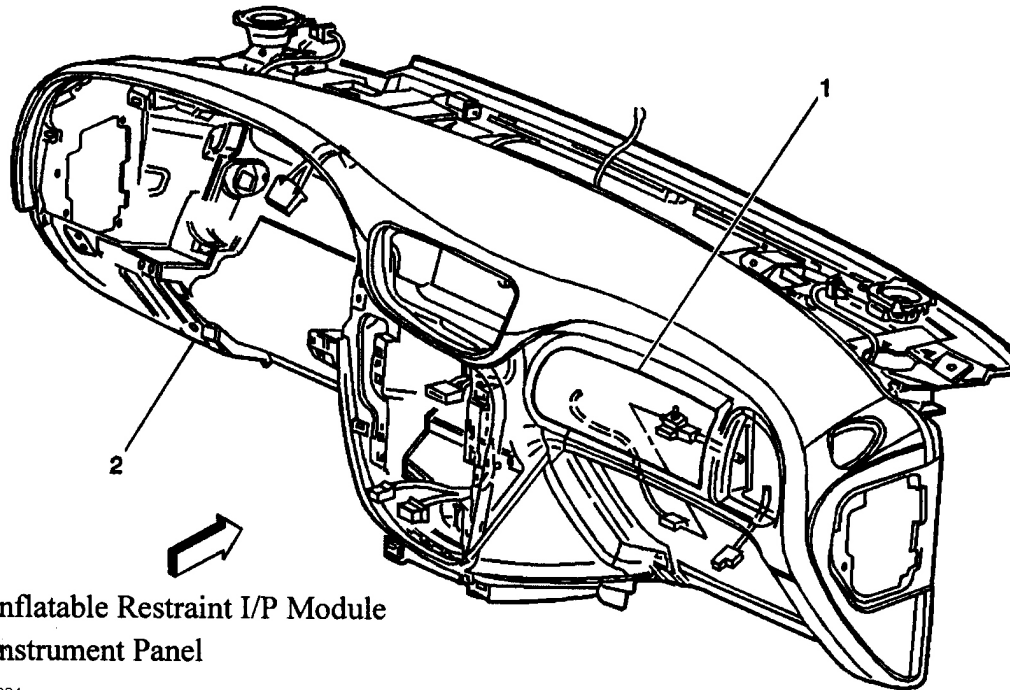


(1) Frame, Front

(2) Inflatable Restraint Electronic Frontal Sensor

G00261923

**Fig. 54: Front Of Vehicle Frame**  
**Courtesy of GENERAL MOTORS CORP.**



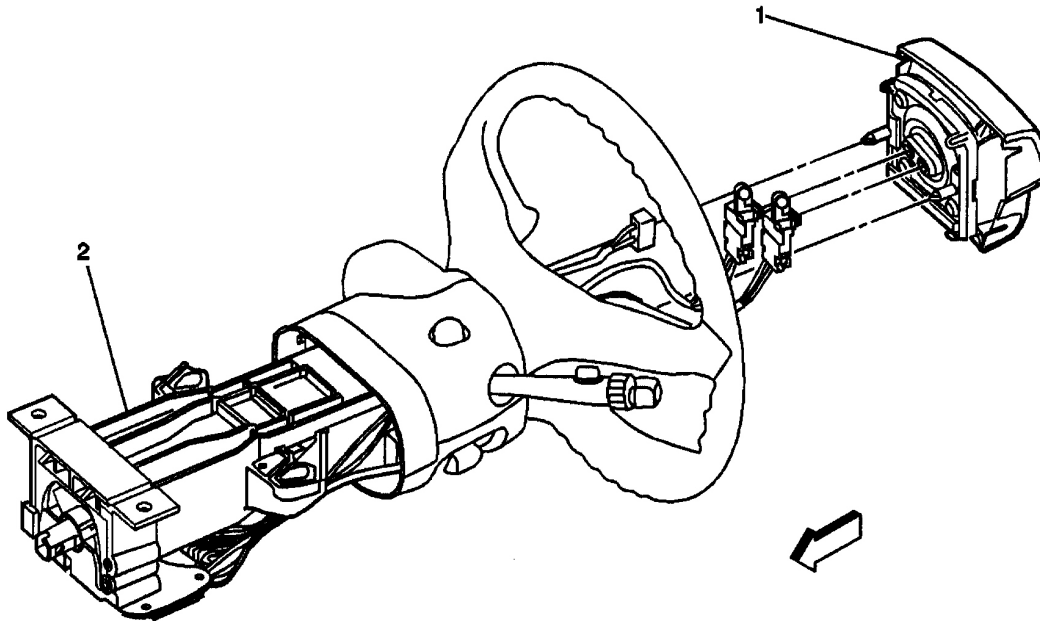
- (1) Inflatable Restraint I/P Module
- (2) Instrument Panel

G00261924

**Fig. 55: Dash Assembly**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer

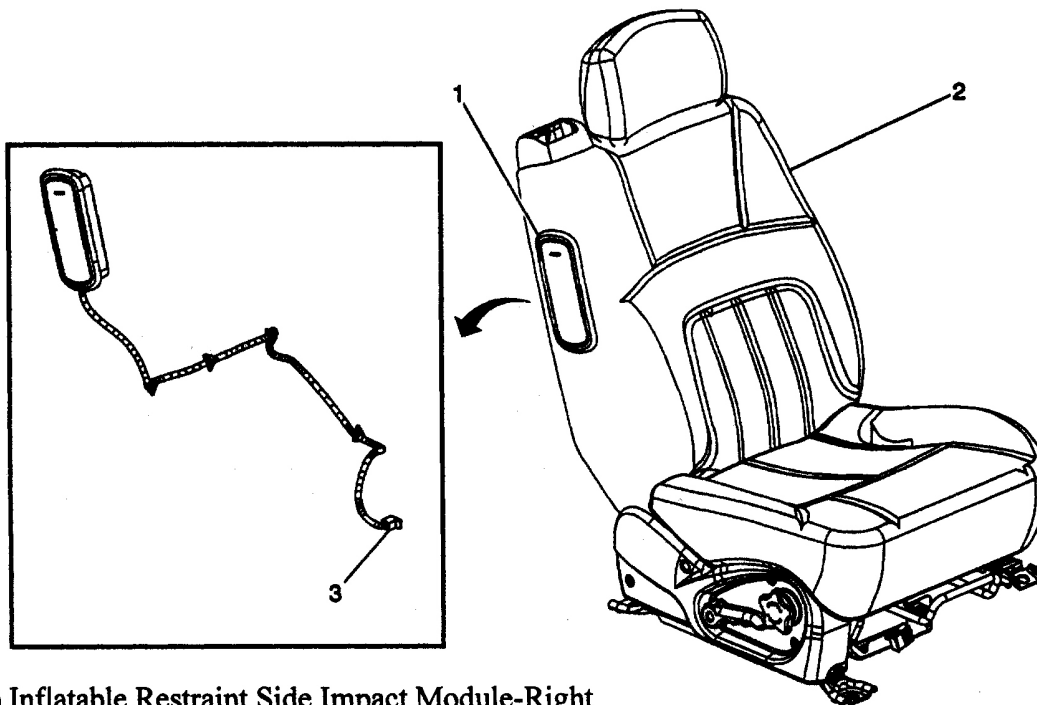


(1) Inflatable Restraint Steering Wheel Module

(2) Steering Column

G00261925

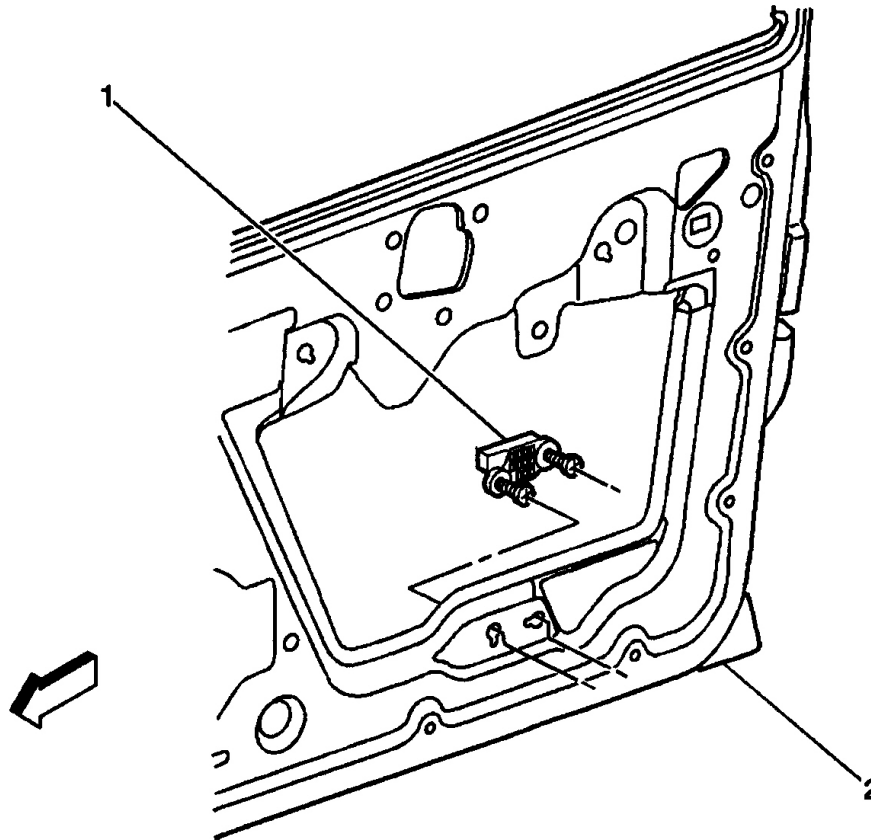
**Fig. 56: Steering Wheel Assembly**  
**Courtesy of GENERAL MOTORS CORP.**



- (1) Inflatable Restraint Side Impact Module-Right
- (2) Passenger Seat, Driver Seat Similar
- (3) SIR Connector to Body Harness

G00261926

**Fig. 57: Right Front Seat Assembly**  
**Courtesy of GENERAL MOTORS CORP.**



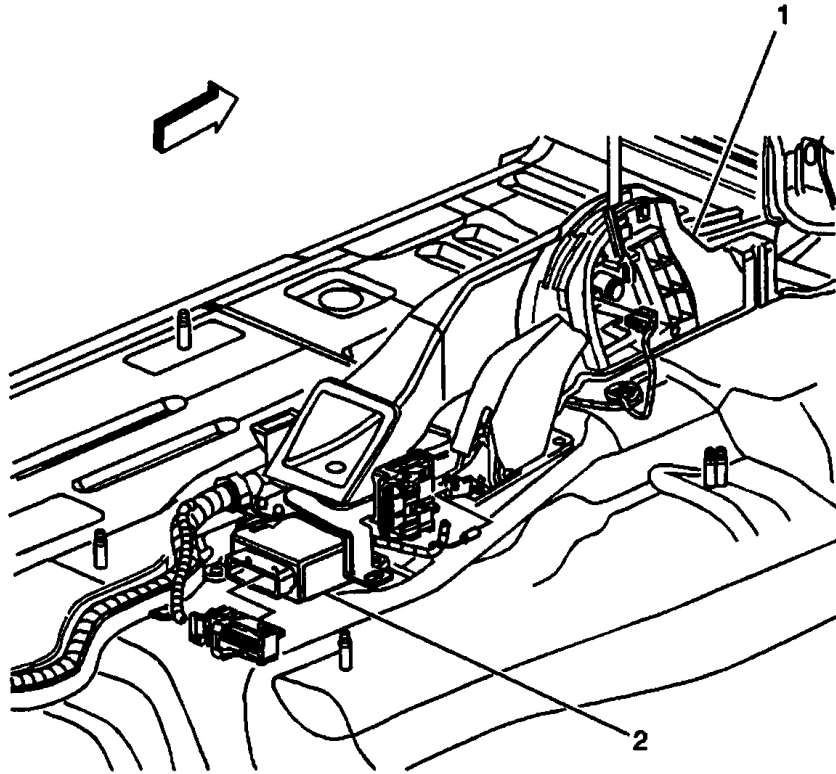
- (1) Inflatable Restraint Side Impact Sensor (SIS)-Right
- (2) Passenger Door-RF

G00261927

**Fig. 58: Right Front Passenger's Door**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



(1) Lower Console

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

G00261928

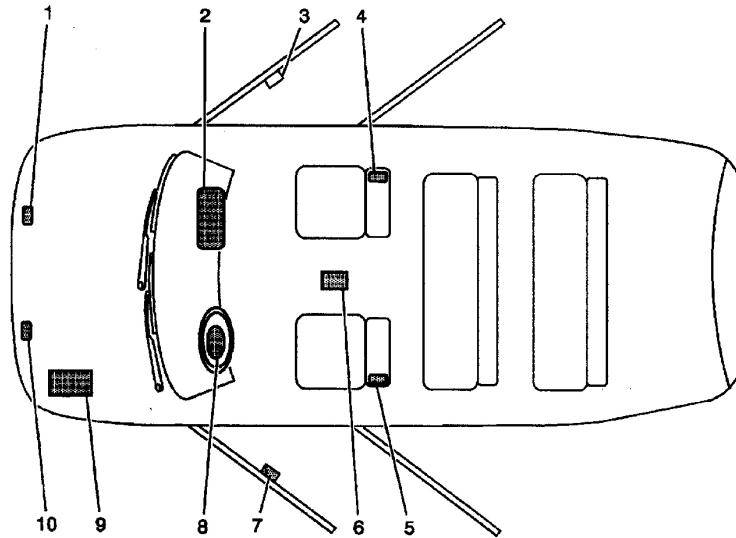
**Fig. 59: Lower Console**

**Courtesy of GENERAL MOTORS CORP.**



## 2006 Buick Rainier

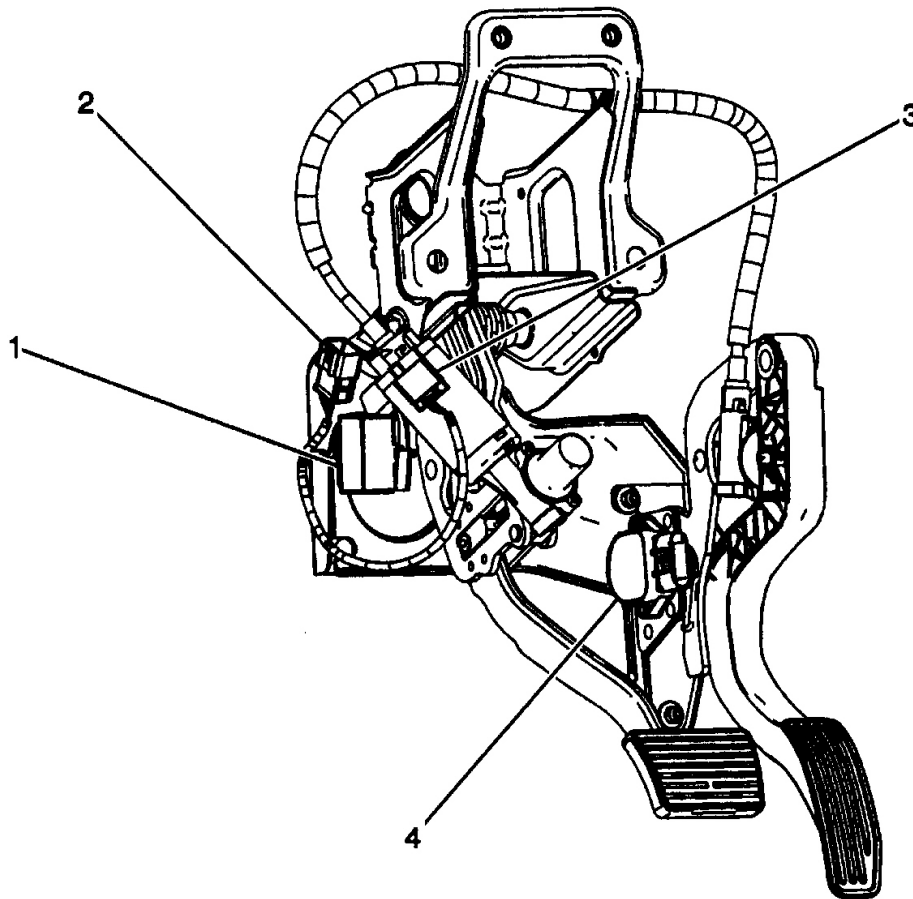
2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



- (1) Inflatable Restraint Front End Sensor-right- Right-Located on the front of the vehicle in the engine compartment
- (2) Inflatable Restraint IP Module-Located at the top right under the instrument panel
- (3) Inflatable Restraint Side Impact Sensor (SIS)-right-Located under right front door trim near the lower rear of door frame
- (4) Inflatable Restraint Side Impact Module-right-Located on the side of the right front seat
- (5) Inflatable Restraint Side Impact Module-left-Located on the side of the left front seat
- (6) Inflatable Restraint Sensing and Diagnostic Module (SDM)-Located under center floor console
- (7) Inflatable Restraint Side Impact Sensor (SIS)-left-Located under left front door trim near the lower rear of door frame
- (8) Inflatable Restraint Steering Wheel Module-Located on the steering wheel
- (9) Battery-Located under hood on the left side
- (10) Inflatable Restraint Front End Sensor-left-Located on the front of the vehicle in the engine compartment

G00261929

**Fig. 60: Inflatable Restraints System Components**  
**Courtesy of GENERAL MOTORS CORP.**



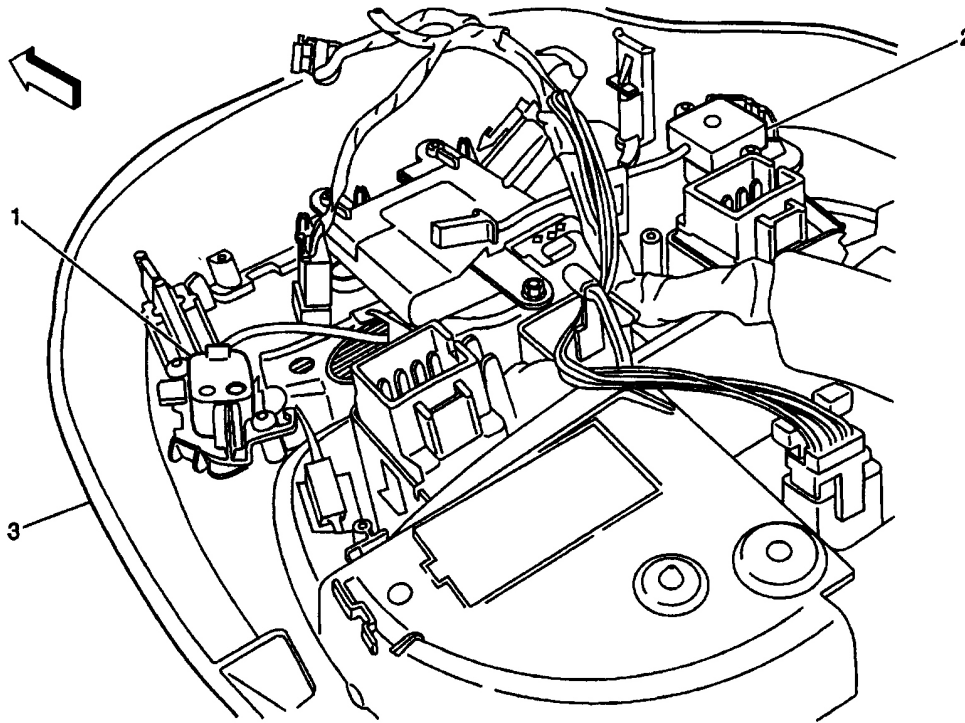
- (1) Electronic Adjustable Pedals (EAP) Relay
- (2) C225
- (3) Electronic Adjustable Pedals (EAP) Assembly Connector
- (4) Accelerator Pedal Position (APP) Sensor

G00261930

**Fig. 61: Lower Left Side Of Dash**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

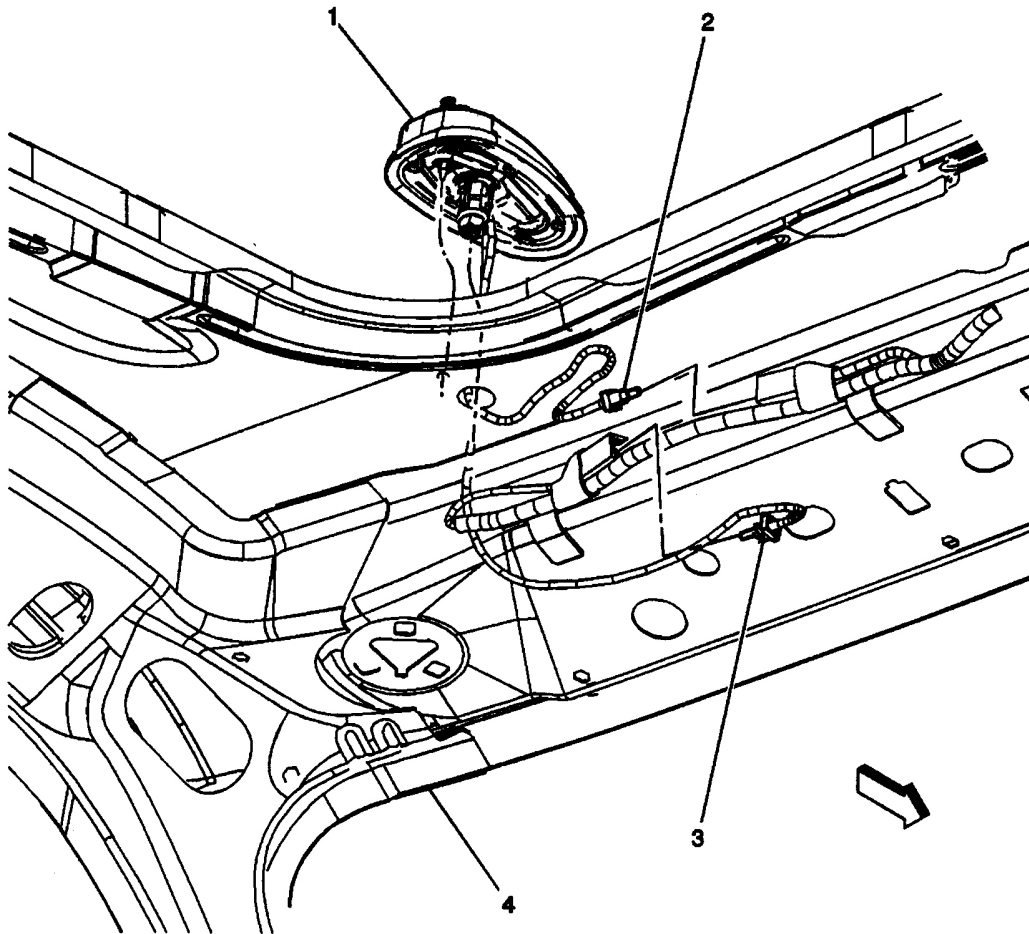
2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



- (1) Cellular Microphone
- (2) Noise Compensation Microphone (UQA w/Class 2 Amp)
- (3) Overhead Console

G00261932

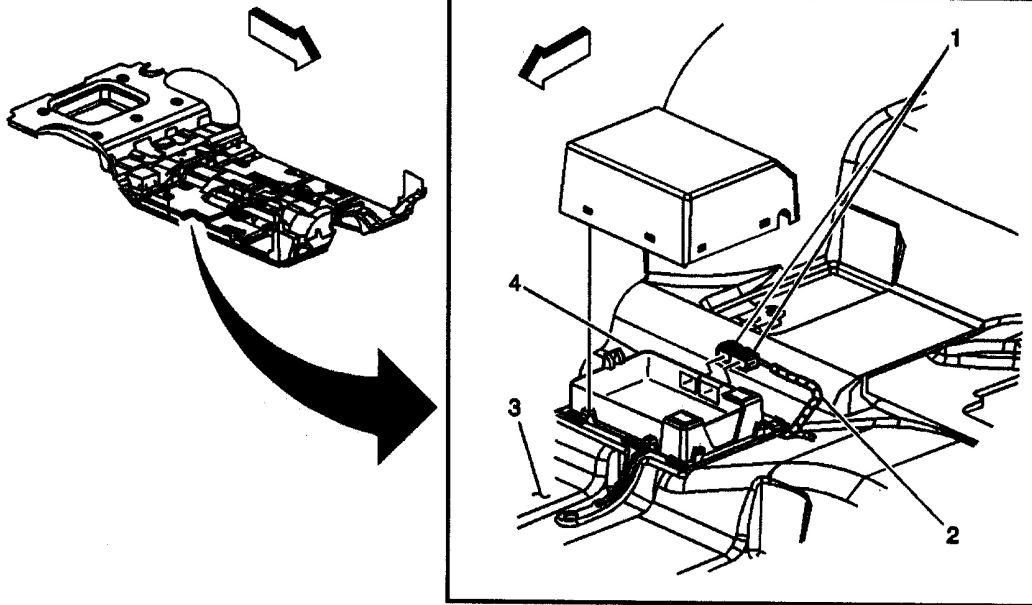
**Fig. 62: Overhead Console**  
**Courtesy of GENERAL MOTORS CORP.**



- (1) Cellular and Navigation Antenna
- (2) Cellular Antenna
- (3) Navigation Antenna
- (4) Front Roof Panel

G00261933

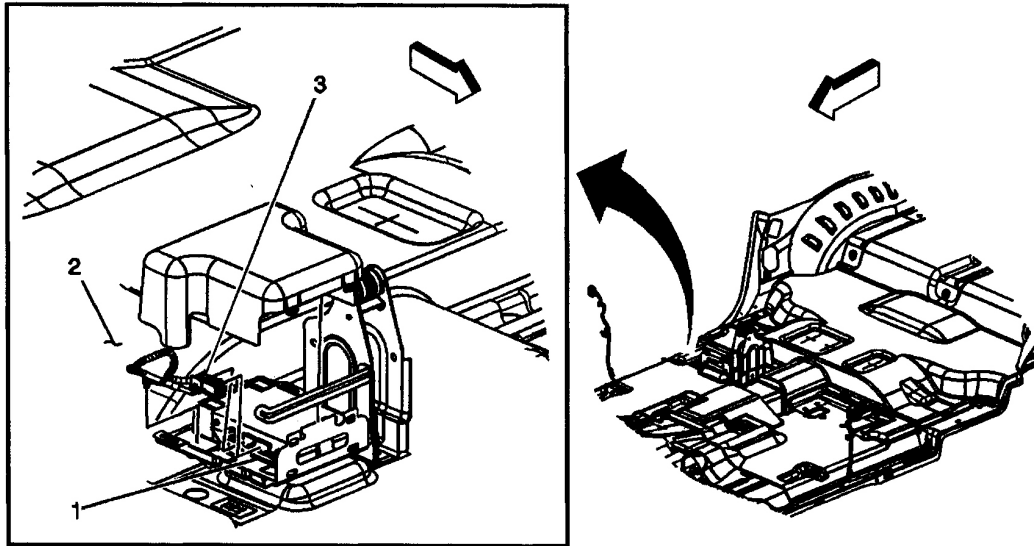
**Fig. 63: Front Roof Panel**  
**Courtesy of GENERAL MOTORS CORP.**



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

G00261934

**Fig. 64: Rear Floor Panel**  
**Courtesy of GENERAL MOTORS CORP.**



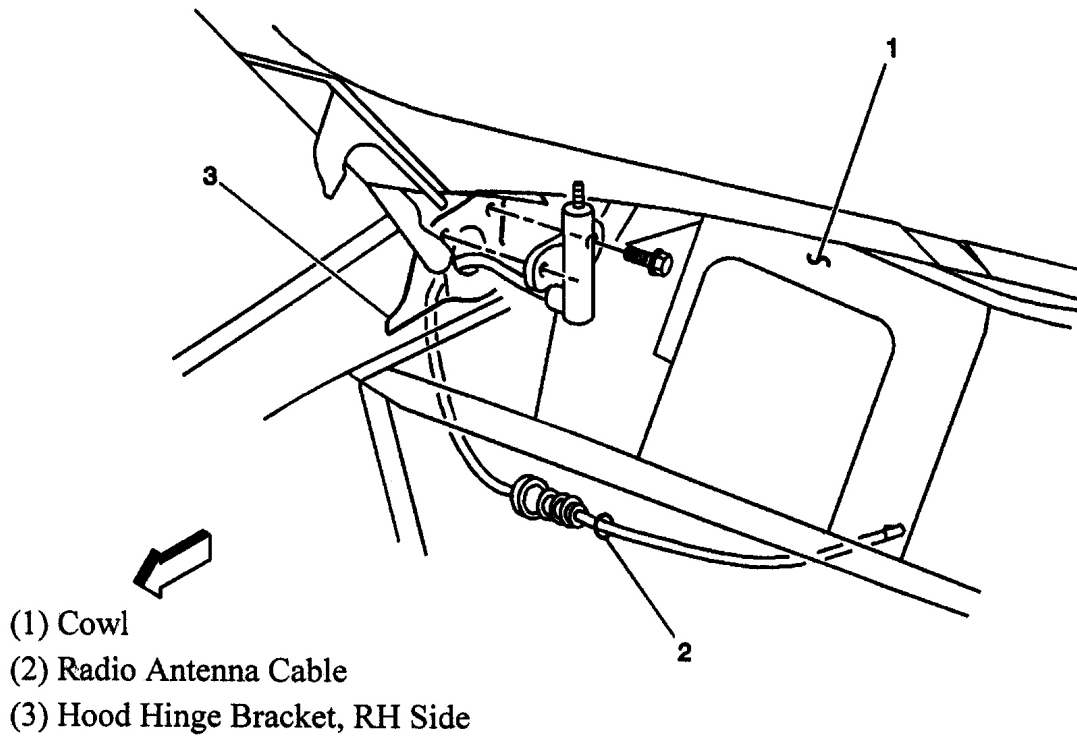
- (1) Vehicle Communication Interface Module (VCIM)
- (2) Rear Floor
- (3) Connectors

G00261935

**Fig. 65: Rear Floor**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer

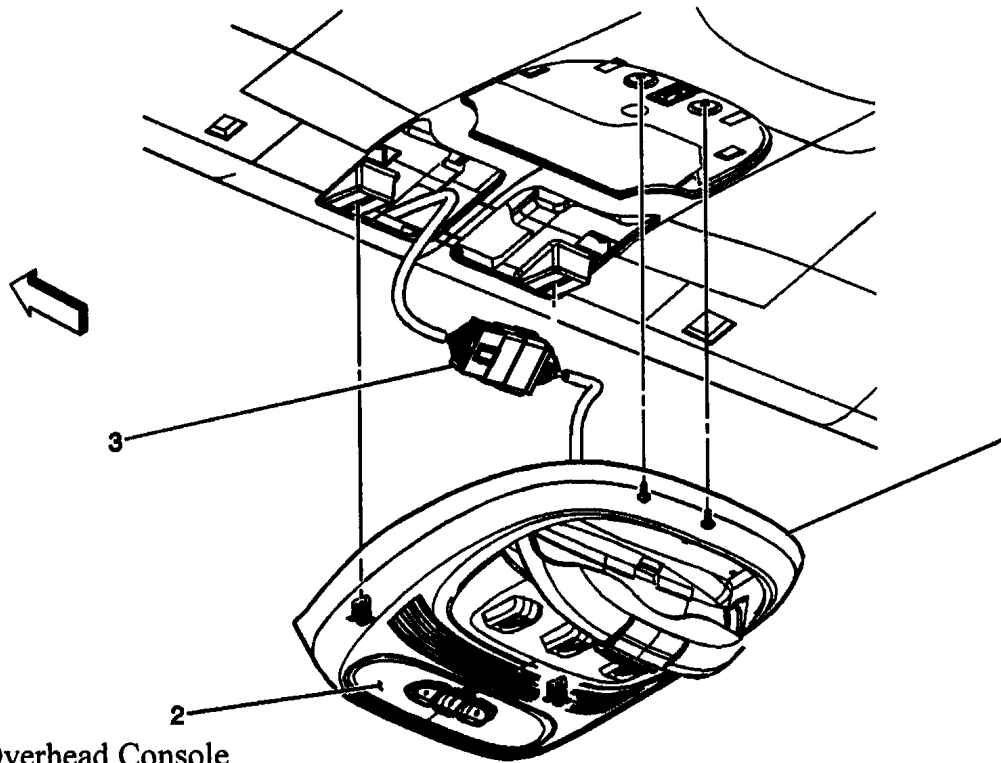


G00261936

**Fig. 66: Right Side Of Engine Compartment**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer

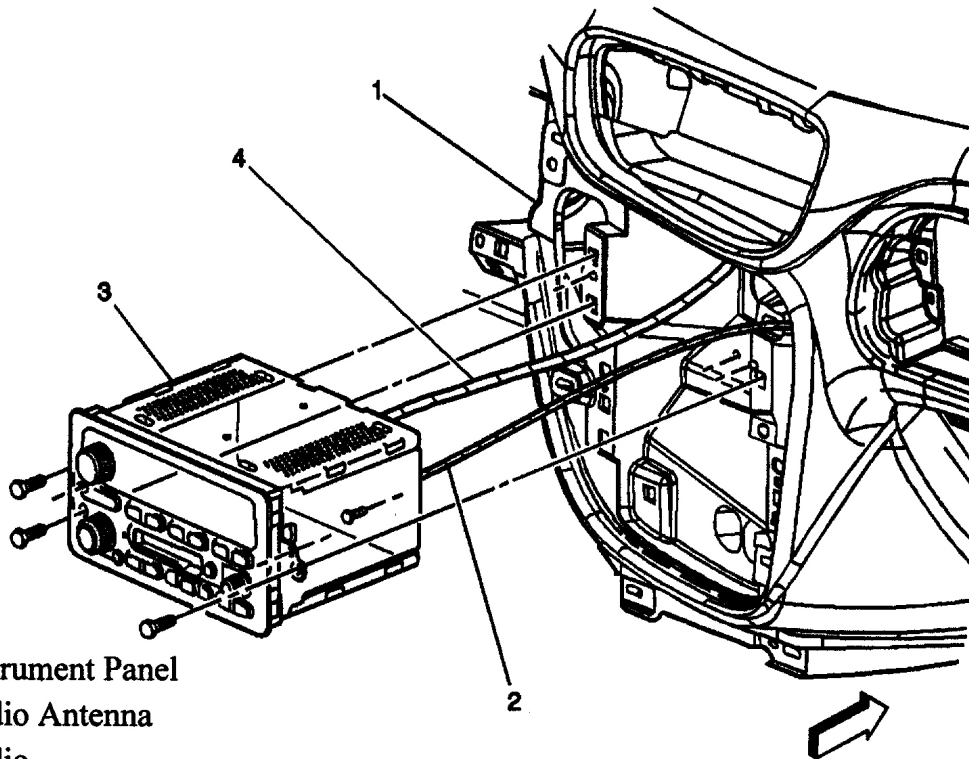


- (1) Overhead Console
- (2) Voice Recorder
- (3) C305

G00261938

**Fig. 67: Overhead Console**  
**Courtesy of GENERAL MOTORS CORP.**





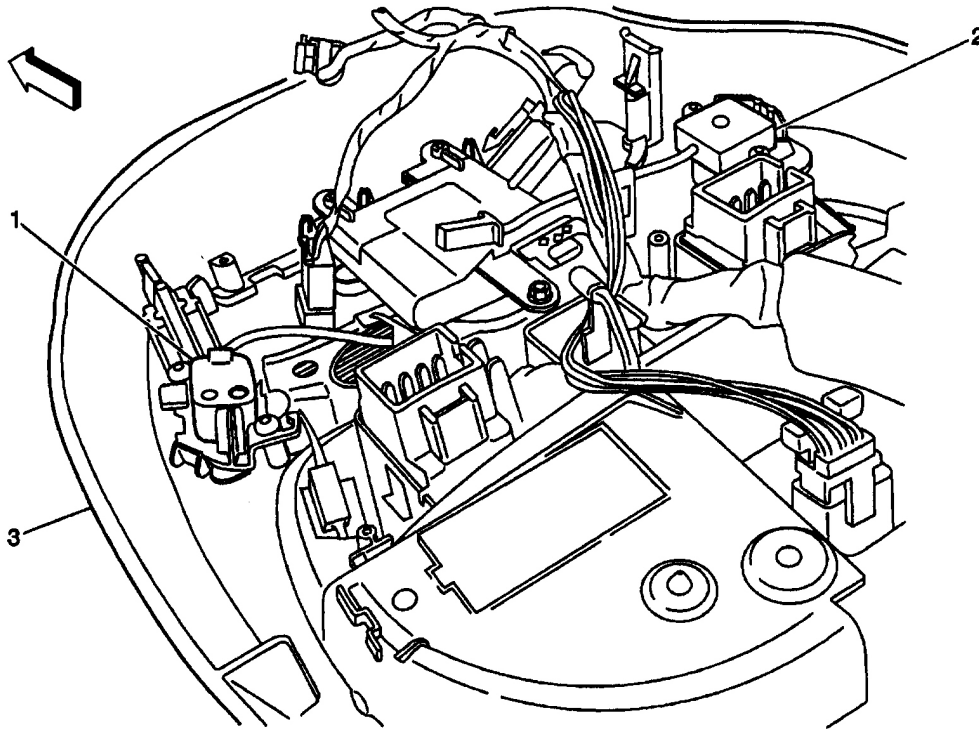
- (1) Instrument Panel
- (2) Radio Antenna
- (3) Radio
- (4) Instrument Panel Harness

G00261939

**Fig. 68: Center Of Dash**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

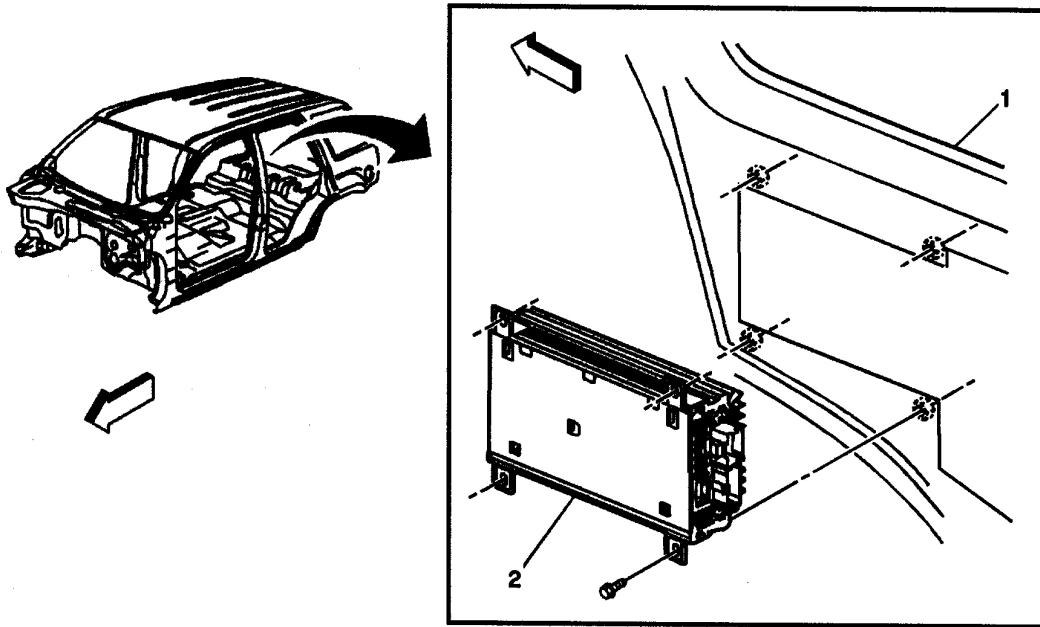
2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



- (1) Cellular Microphone
- (2) Noise Reduction Microphone
- (3) Overhead Console

G00261940

**Fig. 69: Overhead Console**  
**Courtesy of GENERAL MOTORS CORP.**

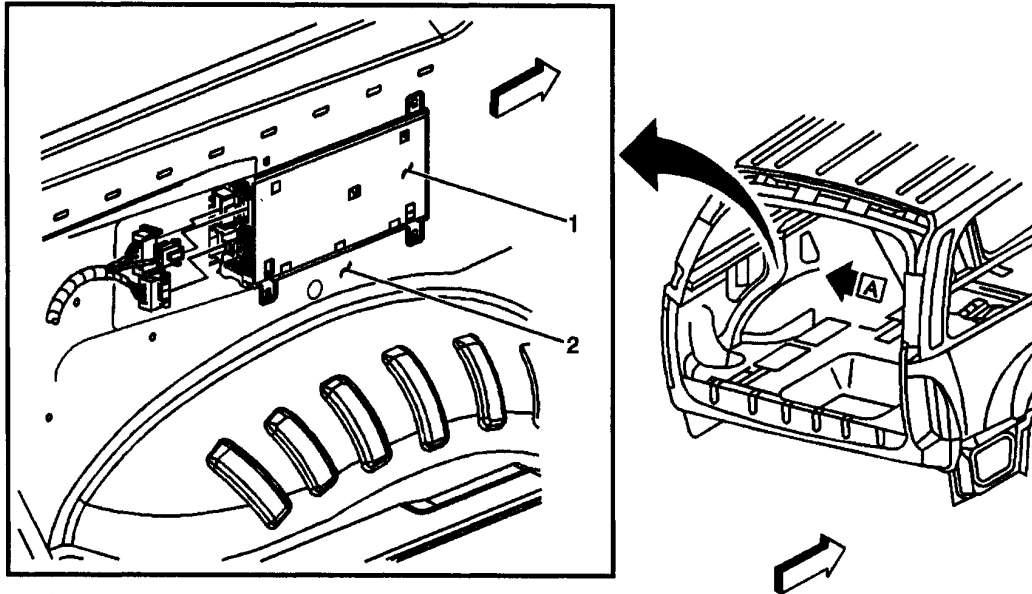


(1) Body Side Inner Lower Panel-Right

(2) Audio Amplifier

G00261941

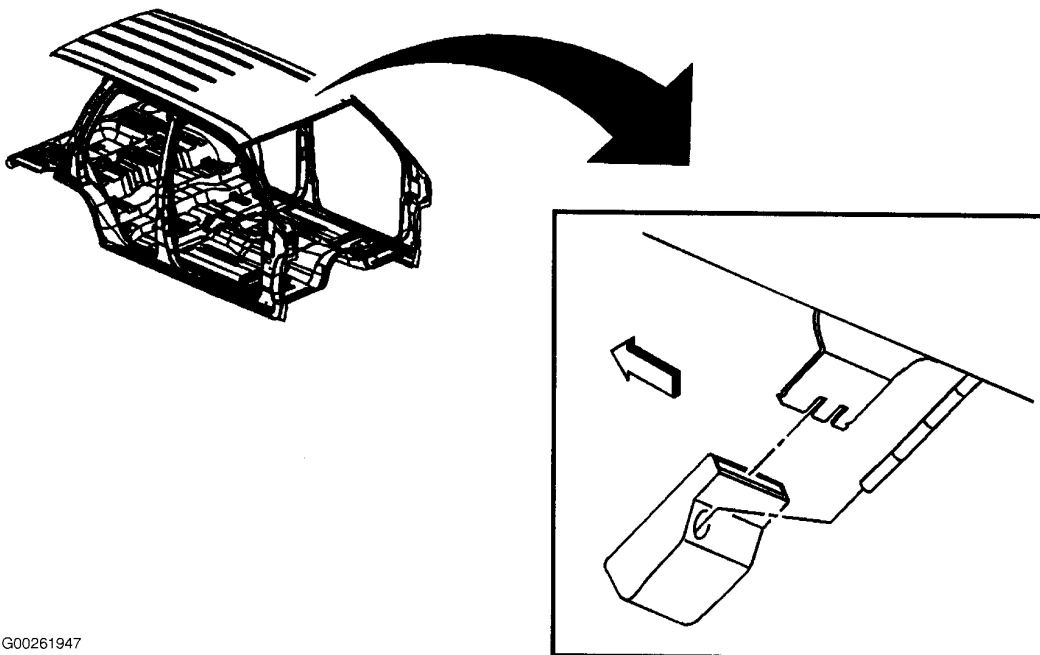
**Fig. 70: Right Body Side Inner Lower Panel**  
**Courtesy of GENERAL MOTORS CORP.**



- (1) Audio Amplifier
- (2) Body Side Inner Panel-Left

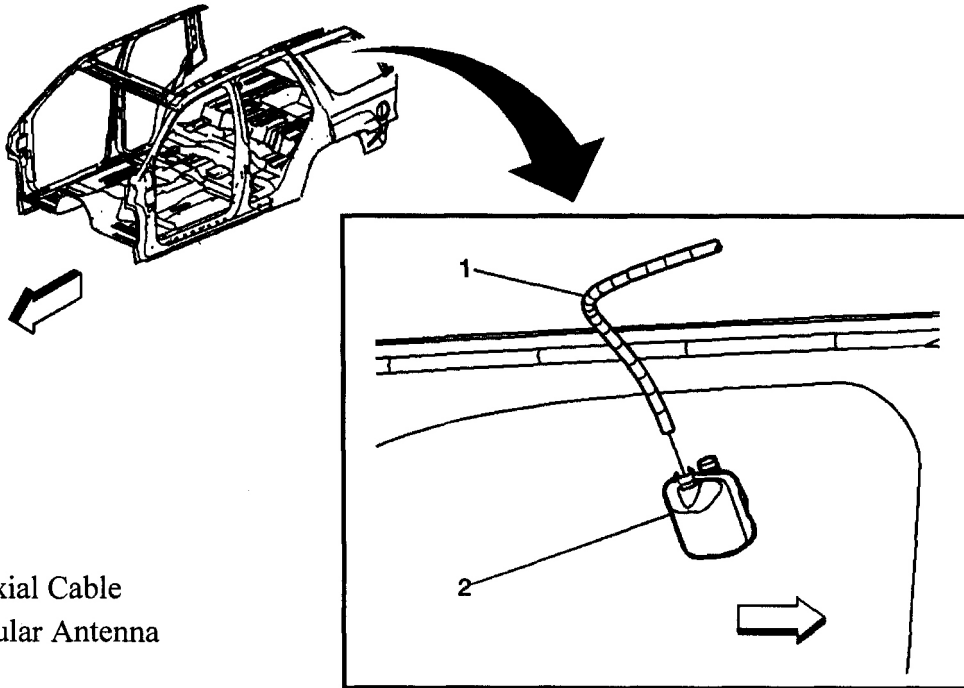
G00261942

**Fig. 71: Left Body Side Inner Panel**  
**Courtesy of GENERAL MOTORS CORP.**



G00261947

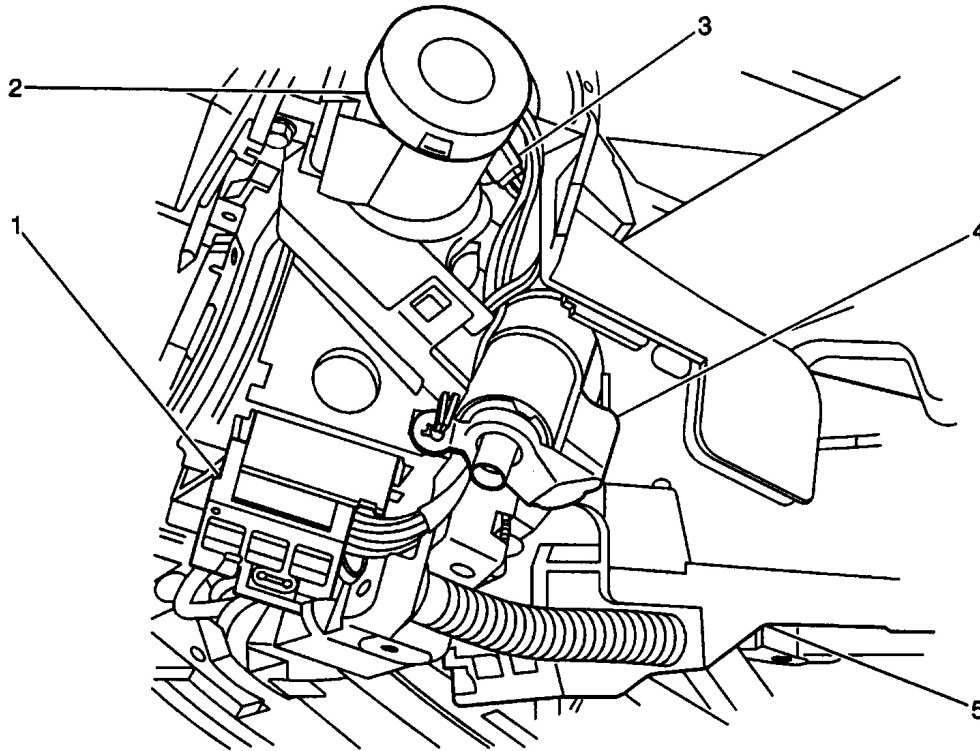
**Fig. 72: Front Center Of Roof**  
Courtesy of GENERAL MOTORS CORP.



**Fig. 73: Right Rear Of Vehicle**  
Courtesy of GENERAL MOTORS CORP.

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



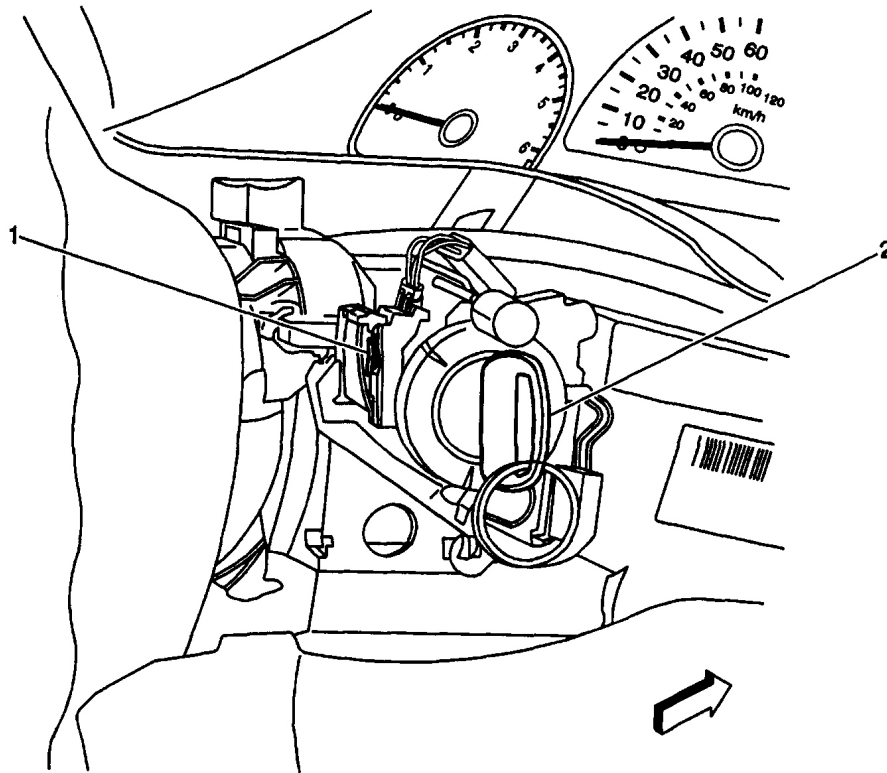
- (1) Ignition Switch
- (2) Passlock Sensor
- (3) Ignition Key Alarm Switch
- (4) Ignition Lock Cylinder Control Solenoid
- (5) Steering Column

G00261953

**Fig. 74: Steering Column**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer

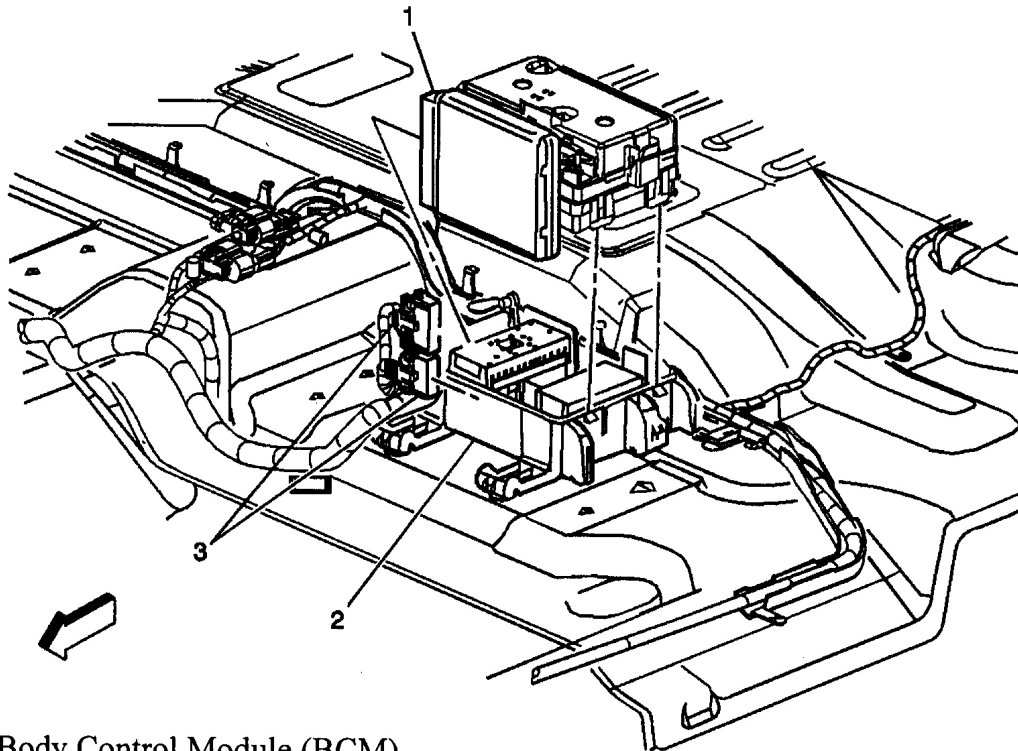


(1) Passlock Sensor

(2) Ignition Key

G00261954

**Fig. 75: Steering Column**  
**Courtesy of GENERAL MOTORS CORP.**



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

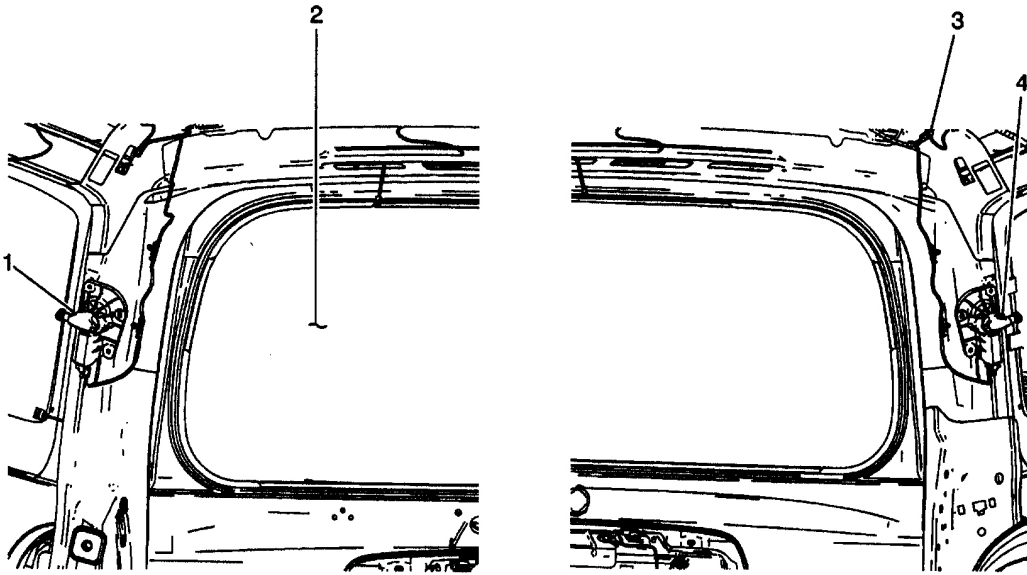
G00261955

**Fig. 76: Floor Pan**  
Courtesy of GENERAL MOTORS CORP.



## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



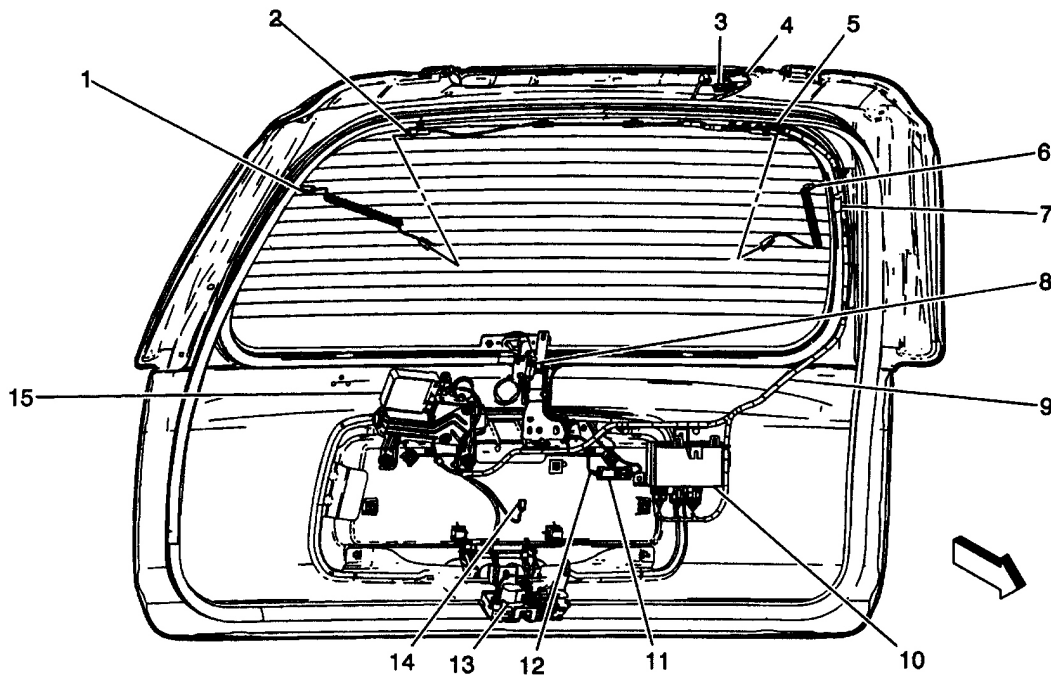
- (1) Quarter Glass Actuator - Right
- (2) Liftglass
- (3) Dome Lamp Harness
- (4) Quarter Glass Actuator - Left

G00261957

**Fig. 77: Quarter Glass (Long Wheel Base, Except XUV)**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



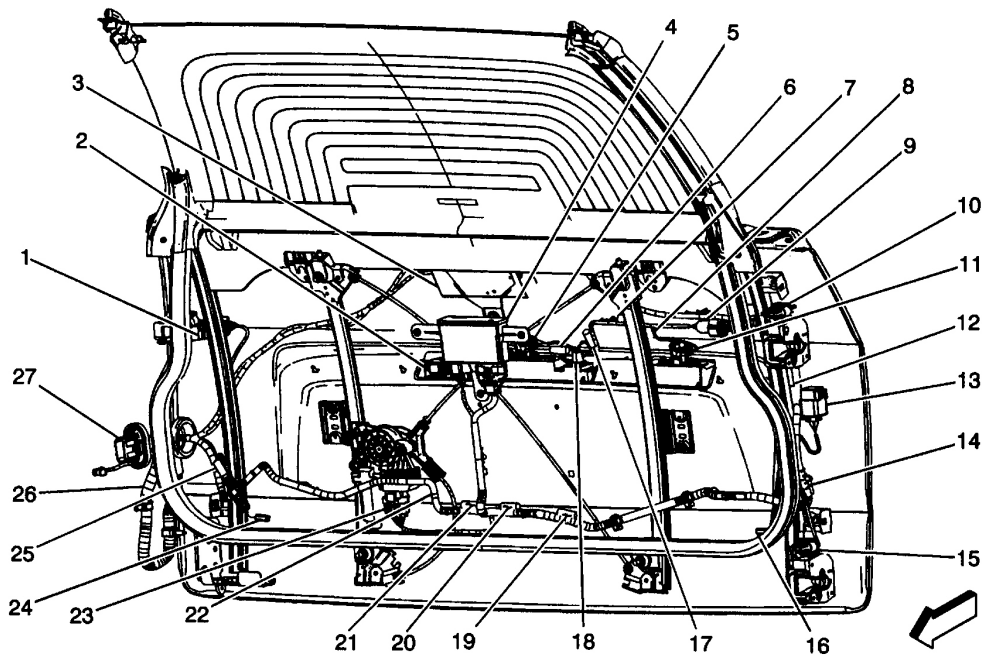
- (1) Rear Window Defogger Grid C2
- (2) C905
- (3) C902
- (4) C900
- (5) C904
- (6) Rear Window Defogger Grid C1
- (7) S901
- (8) Liftgate Ajar Switch
- (9) Liftgate Harness
- (10) Liftgate Module (LGM)
- (11) C901
- (12) License Lamp Harness
- (13) Liftgate Latch Assembly
- (14) Cargo Lamp
- (15) Rear Window Wiper Motor

G00261958

**Fig. 78: Liftgate (Except XUV)**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



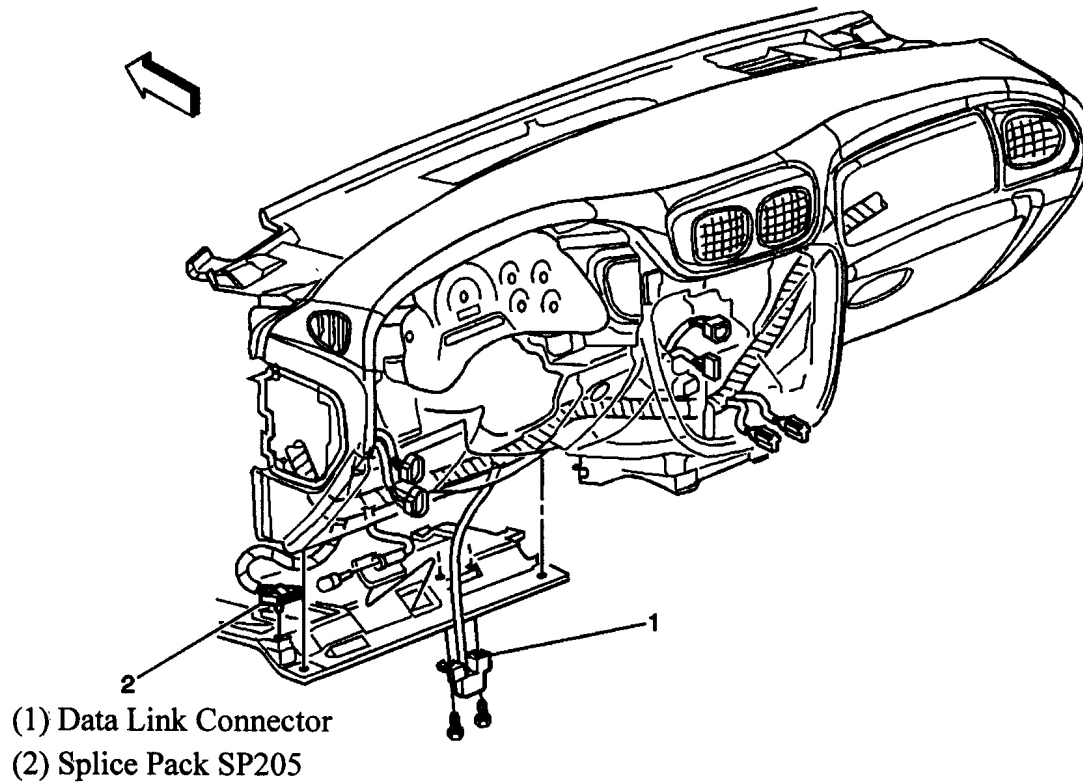
- |                                    |   |
|------------------------------------|---|
| (1) Endgate Actuator - Upper Right | (16) Rear Window Defogger Grid Connector C1 |
| (2) Endgate Key Cylinder           | (17) S915                                   |
| (3) Rear Window Wiper Motor        | (18) License Lamp - Left                    |
| (4) Endgate Module (EGM)           | (19) S912                                   |
| (5) Endgate Drop Handle            | (20) S913                                   |
| (6) S902                           | (21) S911                                   |
| (7) S909                           | (22) S910                                   |
| (8) License Lamp Harness           | (23) Endgate Window Regulator               |
| (9) C901                           | (24) Rear Window Defogger Grid Connector C2 |
| (10) Endgate Actuator - Upper Left | (25) S905                                   |
| (11) Endgate Swing Handle          | (26) Endgate Harness                        |
| (12) S914                          | (27) C900                                   |
| (13) Endgate Latch Relay           |   |
| (14) S904                          |   |
| (15) Endgate Actuator - Lower Left |   |

G00261959

**Fig. 79: Endgate (XUV)**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer

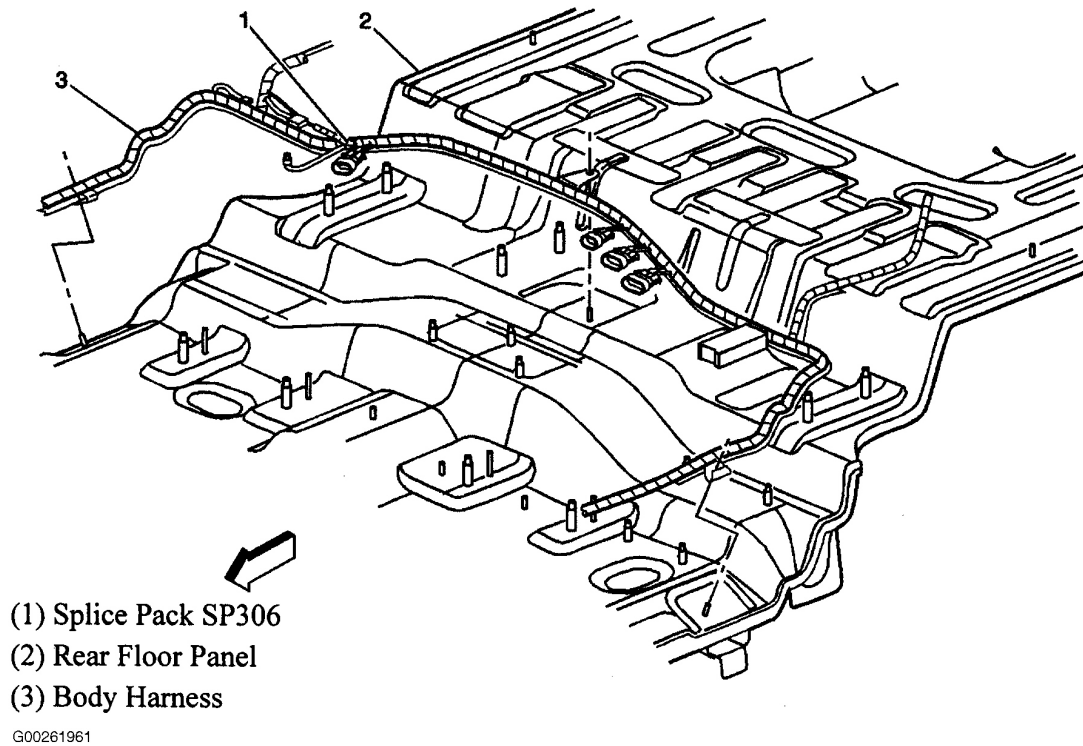


G00261960

**Fig. 80: Dash Assembly**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

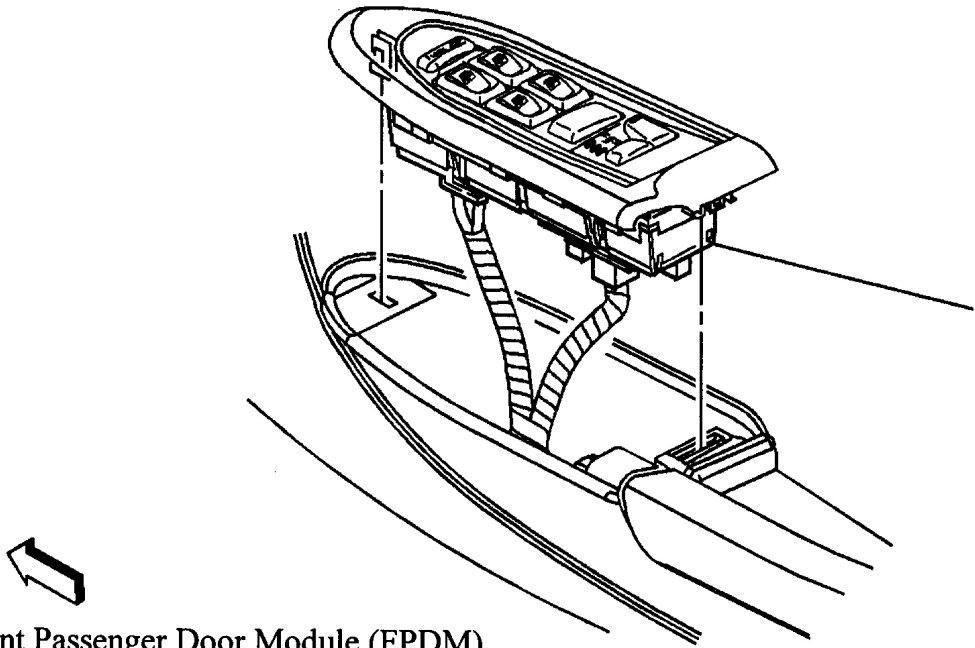
2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



**Fig. 81: Rear Floor Pan**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



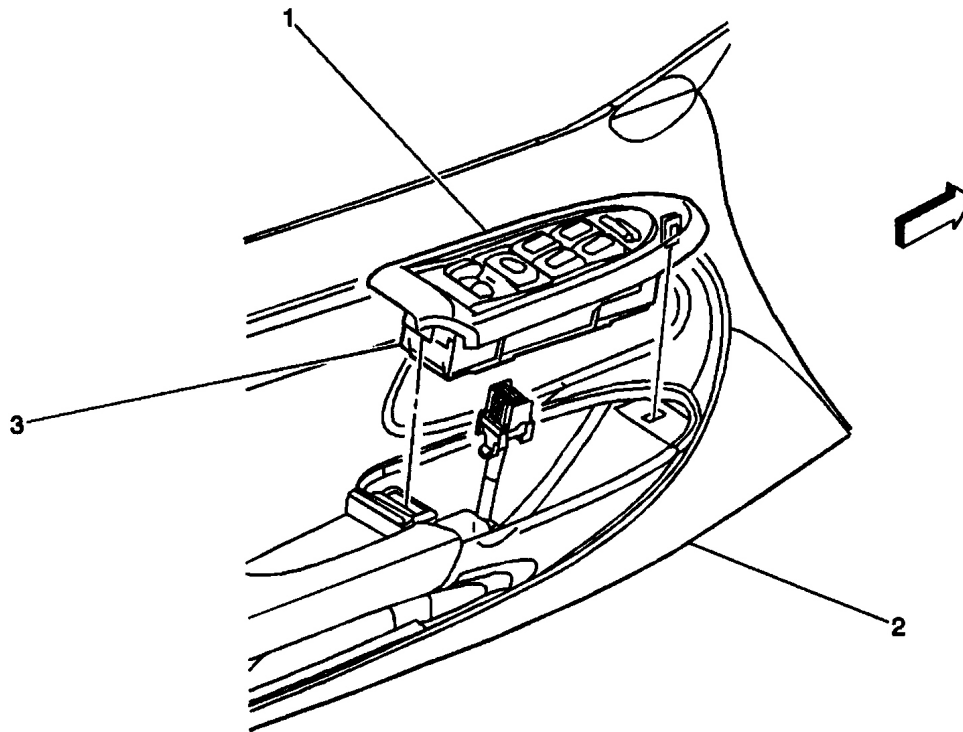
(1) Front Passenger Door Module (FPDM)

G00261962

**Fig. 82: Passenger Door Trim Panel**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



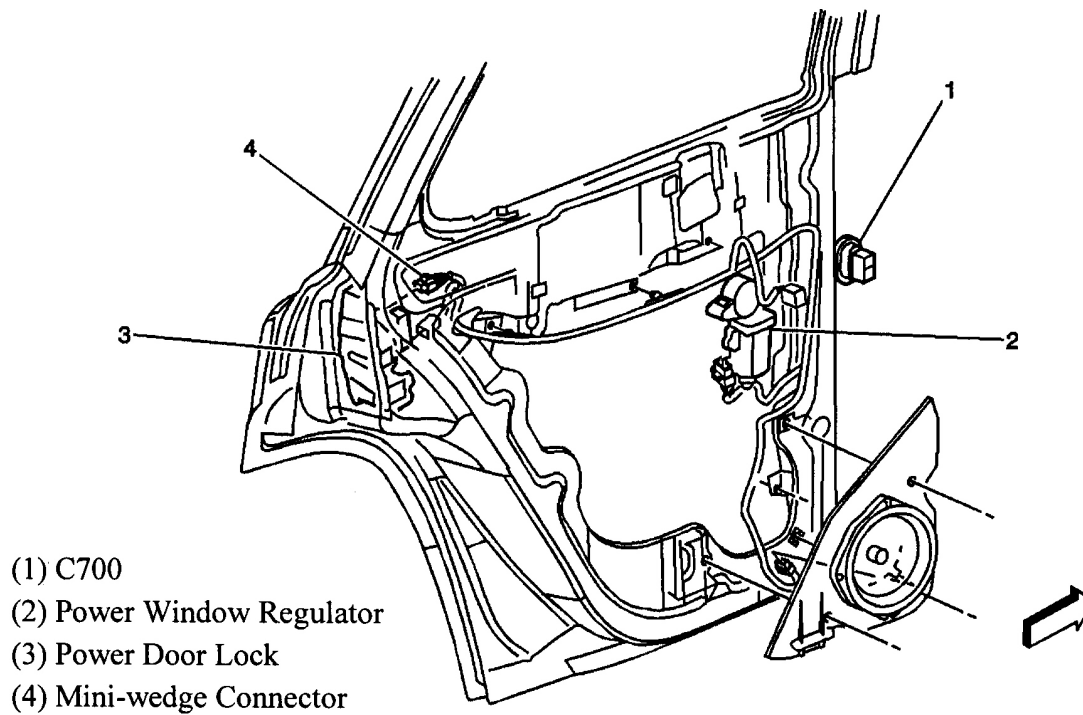
- (1) Door Lock Switch and Side Window Switches
- (2) Door Trim Panel, LF
- (3) Driver Door Module (DDM)

G00261963

**Fig. 83: Driver's Door Trim Panel**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

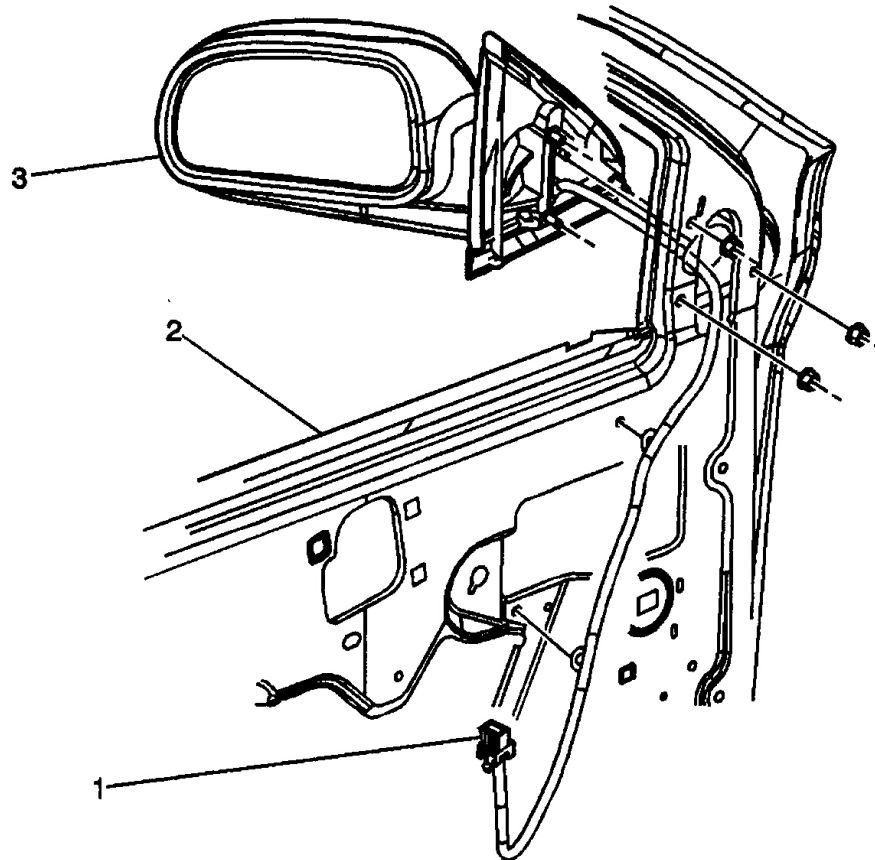
2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



G00261964

**Fig. 84: Left Rear Door**  
**Courtesy of GENERAL MOTORS CORP.**





(1) Driver Door Module (DDM) Connector C3

(2) Left Front Door

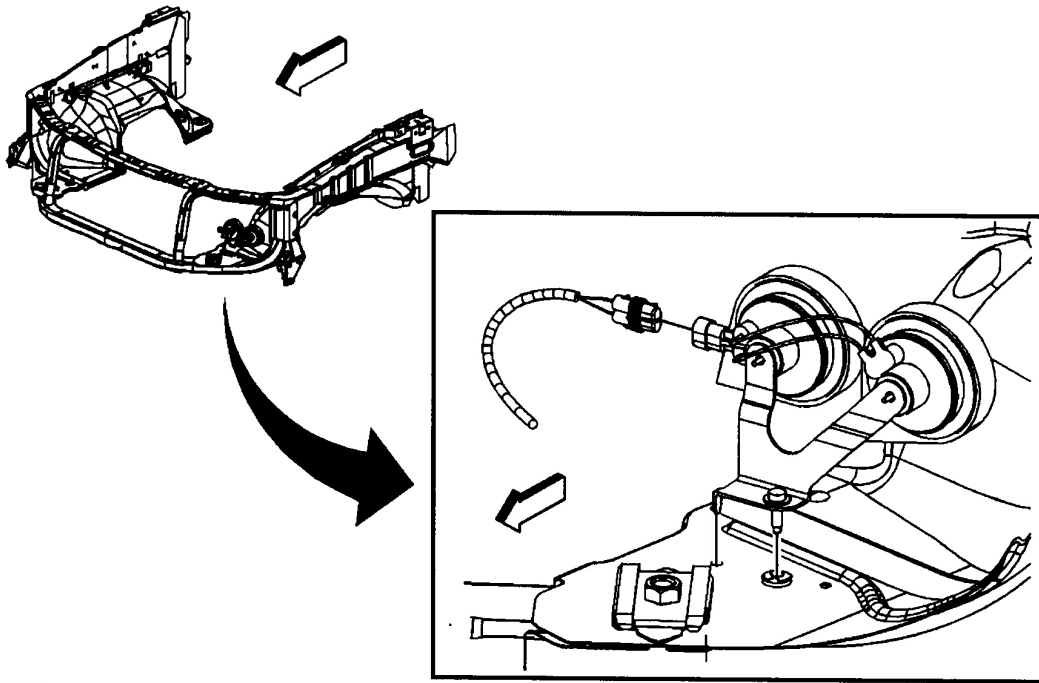
(3) Power Mirror

G00261965

**Fig. 85: Left Front Door**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer

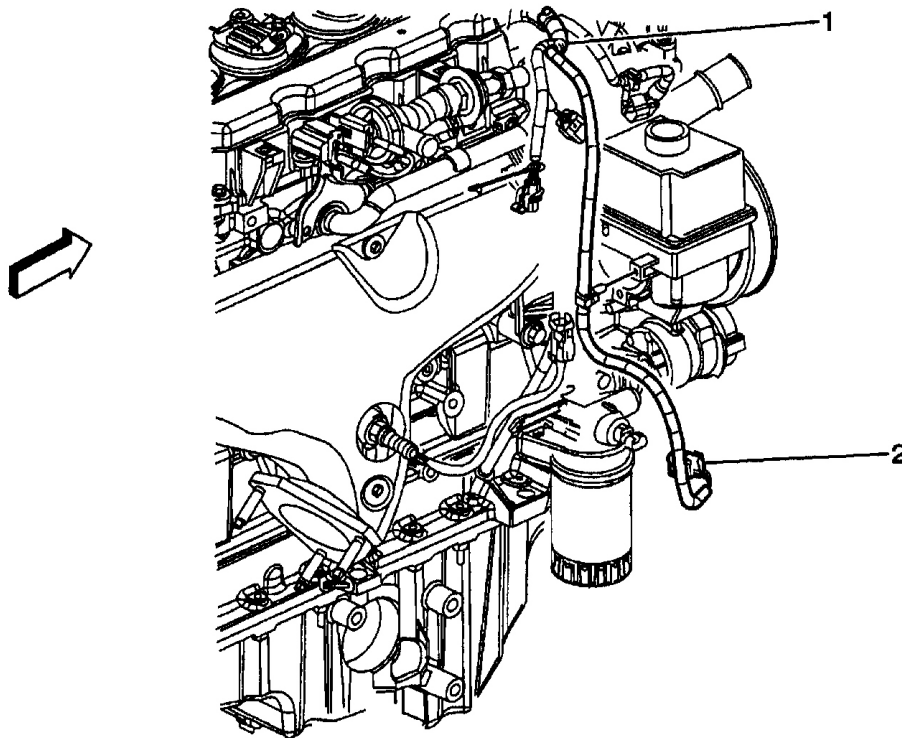


G00261966

**Fig. 86: Front Frame Rail**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



(1) Engine Harness, Right Front

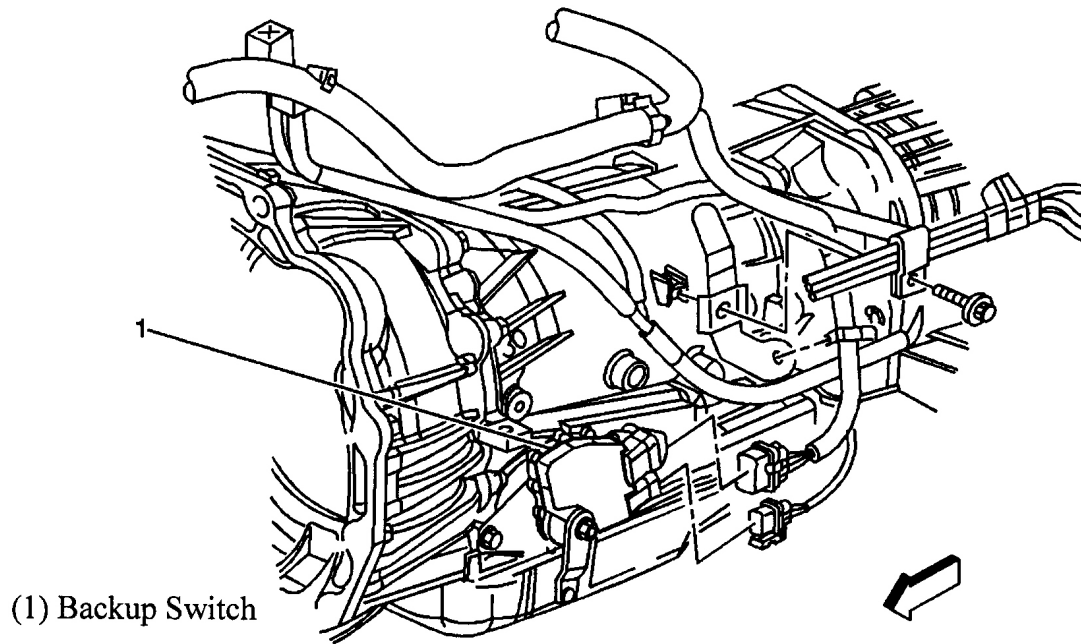
(2) Engine Oil Pressure (EOP) Sensor Connector

G00261967

**Fig. 87: Right Front Of Engine (4.2L)**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer

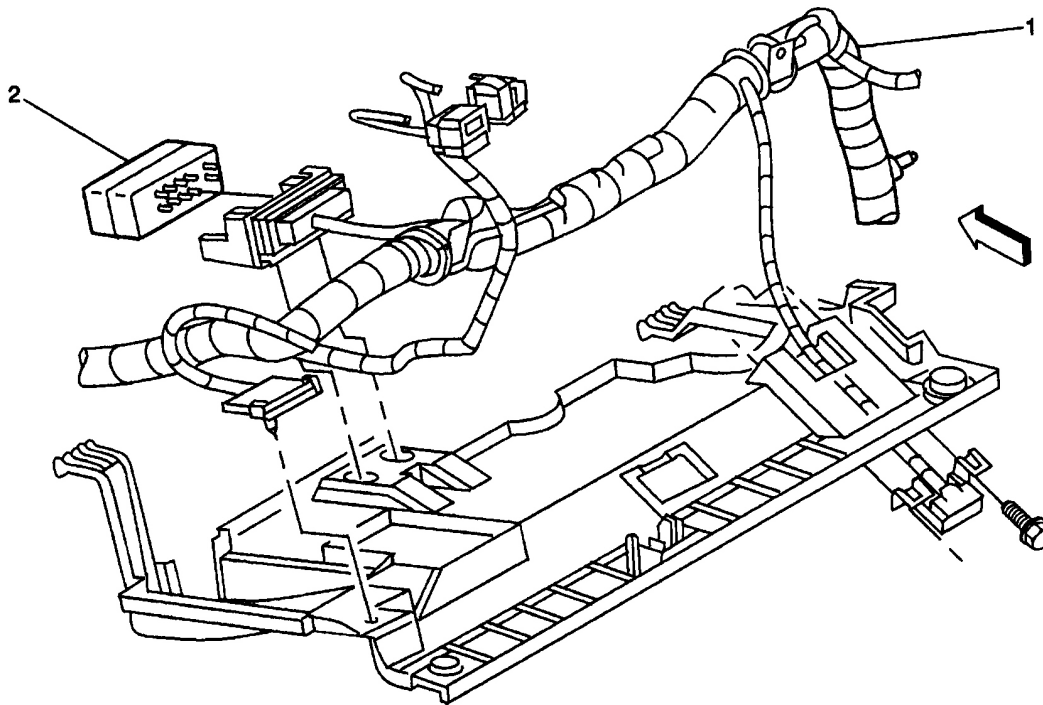


G00261968

**Fig. 88: Left Side Of Automatic Transmission**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



(1) Left IP Harness

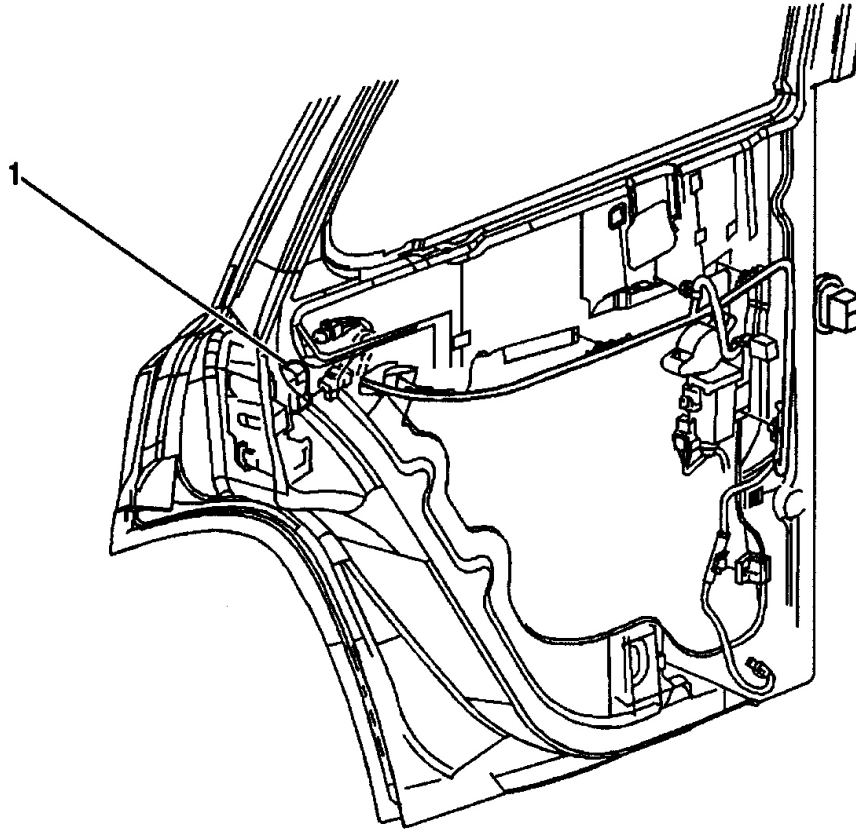
(2) Turn Signal/Hazard Flasher Module

G00261969

**Fig. 89: Left Side Of Dash**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



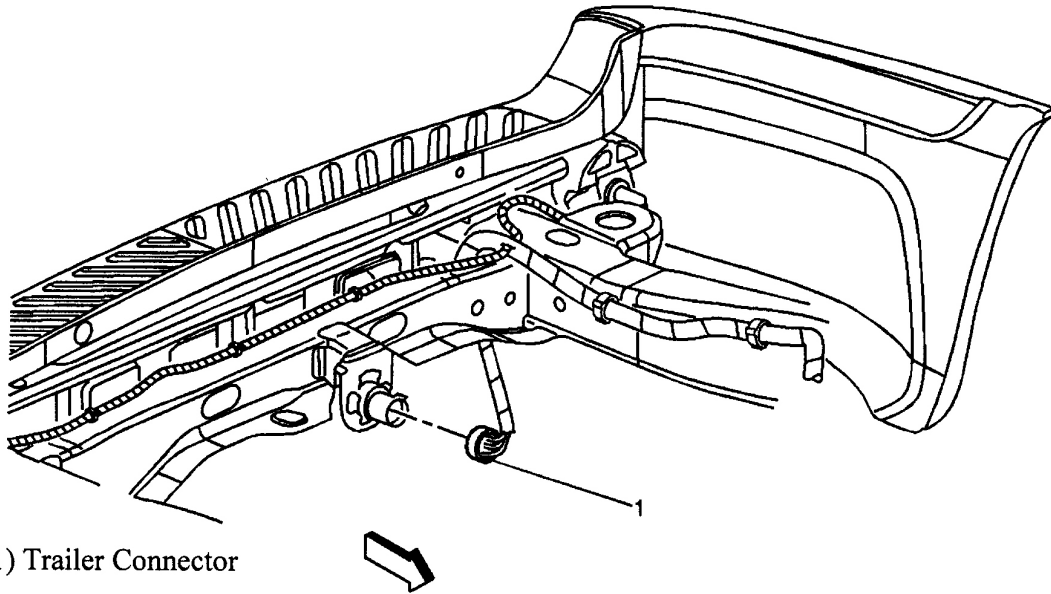
(1) Door Jamb Switch, Miniwedge-LR

G00261970

**Fig. 90: Left Rear Door**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



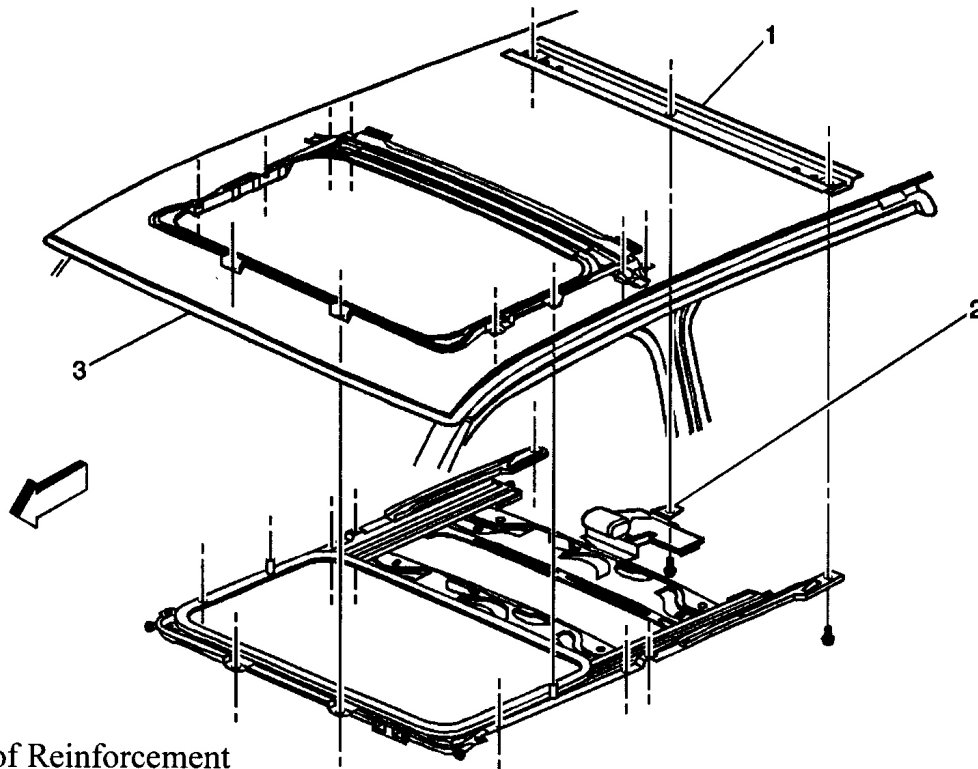
(1) Trailer Connector

G00261971

**Fig. 91: Rear Of Vehicle Frame**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



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

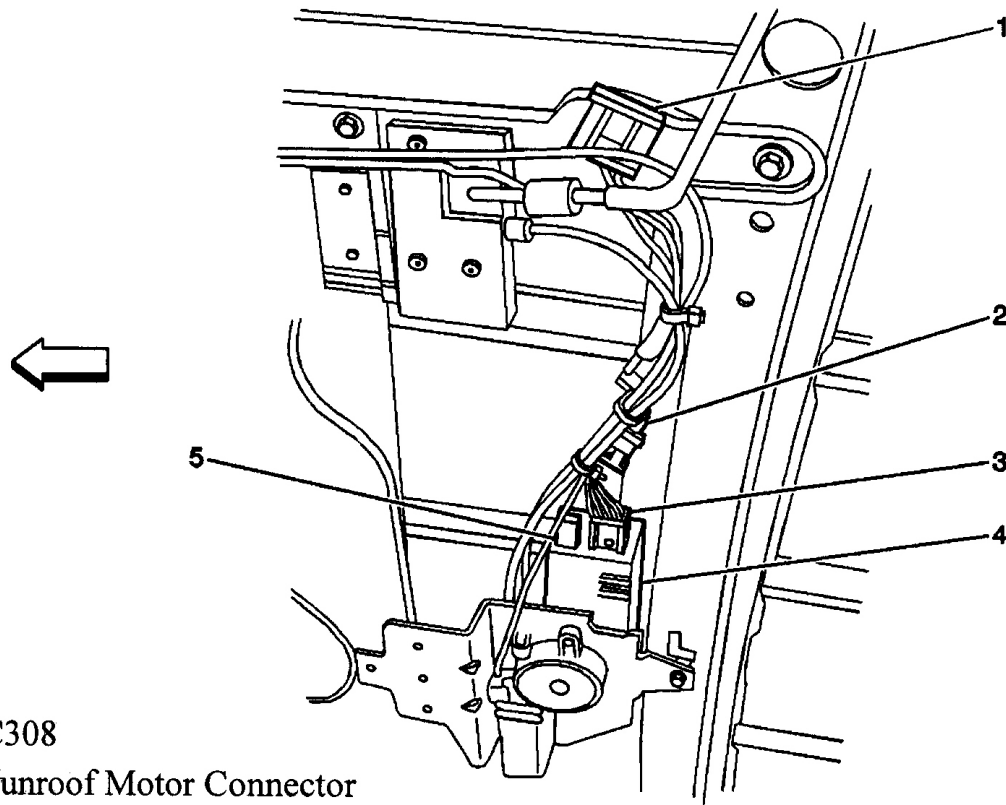
G00261972

**Fig. 92: Roof**  
**Courtesy of GENERAL MOTORS CORP.**



## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



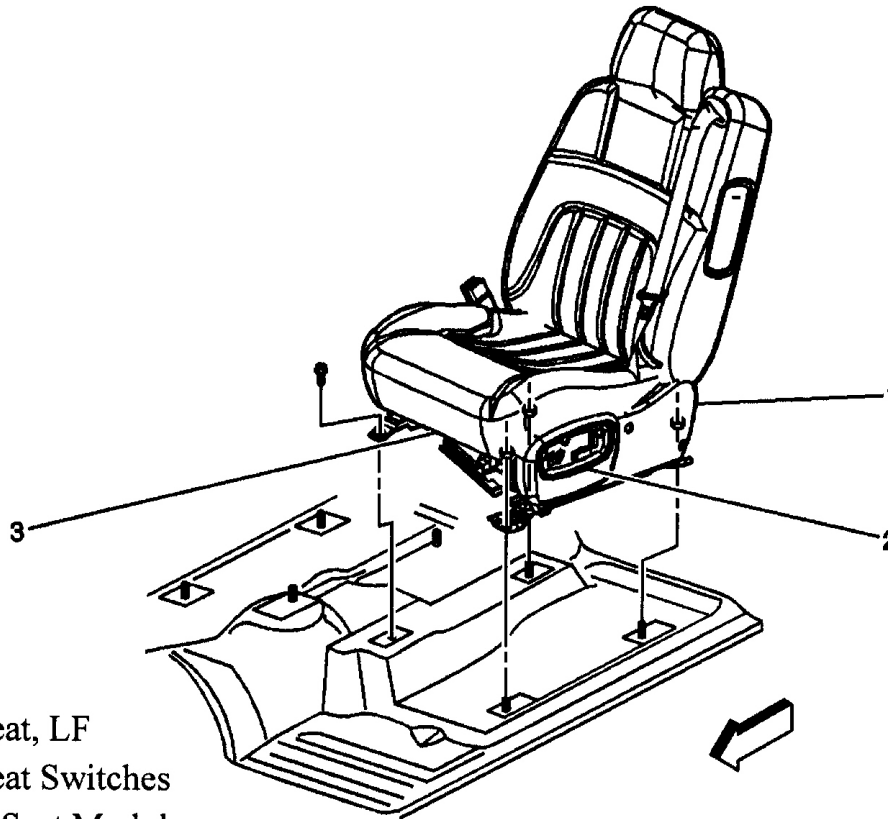
- (1) C308
- (2) Sunroof Motor Connector
- (3) Connector C1
- (4) Sunroof Module
- (5) Connector C2

G00261973

**Fig. 93: Front Of Roof**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



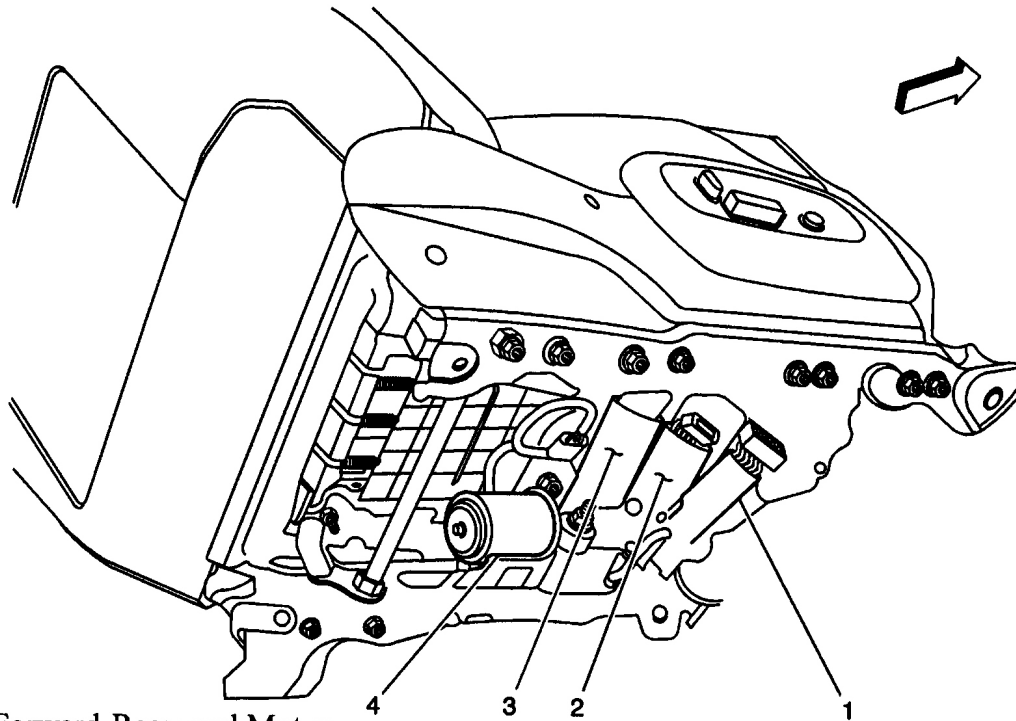
- (1) Power Seat, LF
- (2) Power Seat Switches
- (3) Memory Seat Module

G00261976

**Fig. 94: Left Front Power Seat**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

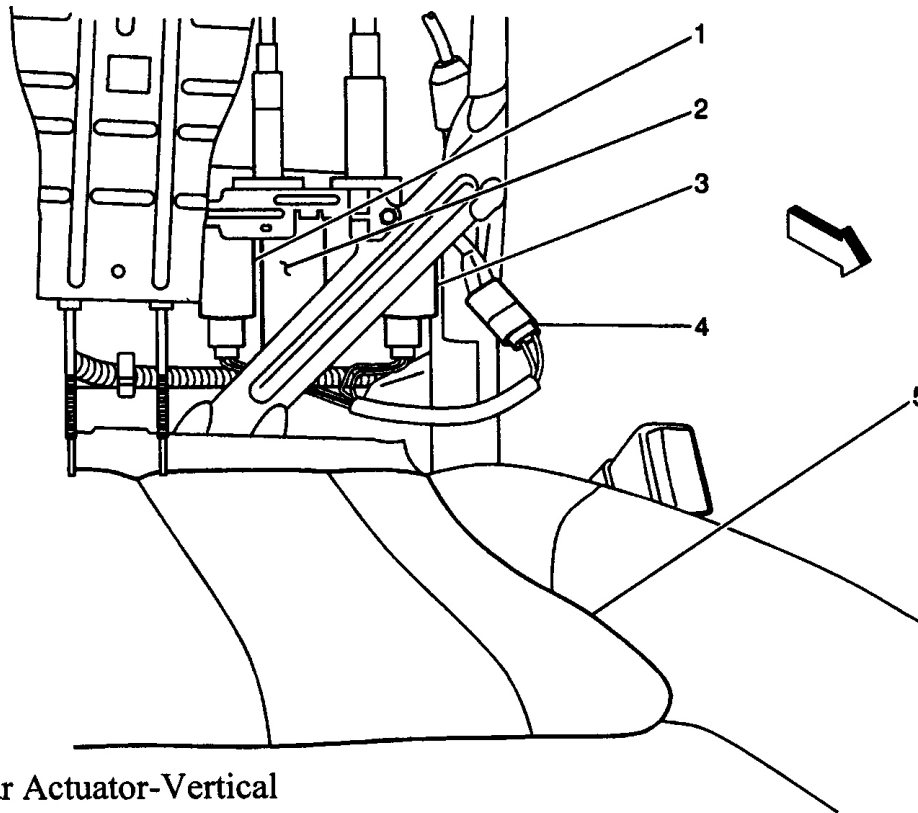
2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



- (1) Forward-Rearward Motor
- (2) Vertical Motor, Front
- (3) Vertical Motor, Rear
- (4) Recline Motor

G00261977

**Fig. 95: Front Passenger's Seat**  
**Courtesy of GENERAL MOTORS CORP.**



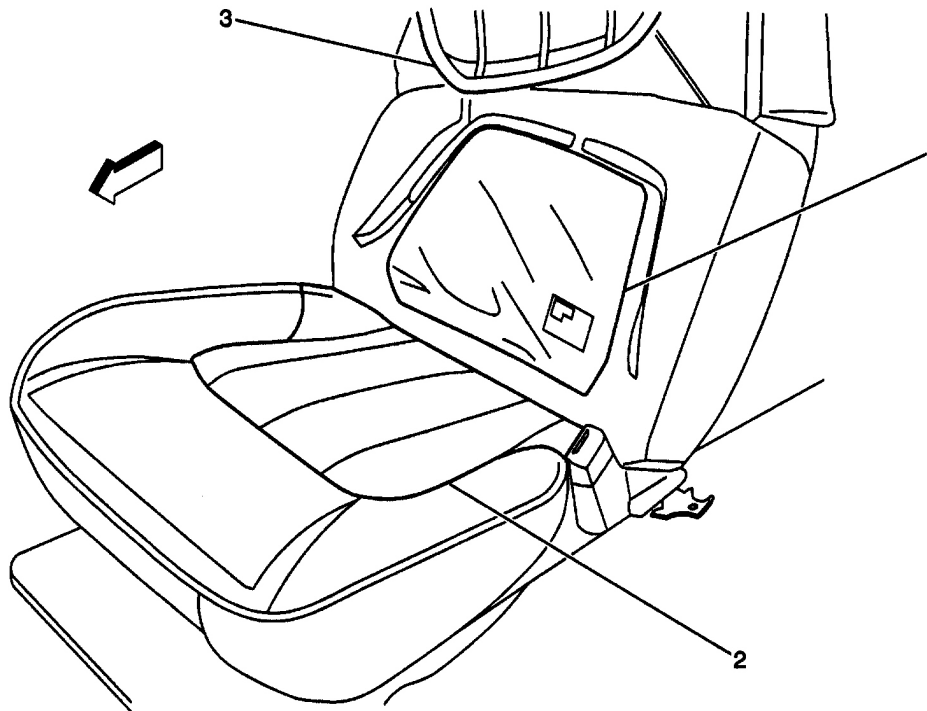
- (1) Lumbar Actuator-Vertical
- (2) Lumbar Position Sensor-Vertical
- (3) Lumbar Actuator-Horizontal
- (4) Lumbar Harness to Seat Back Harness Connector, C324
- (5) Seat Cushion

G00261978

**Fig. 96: Passenger's Seat Cushion**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



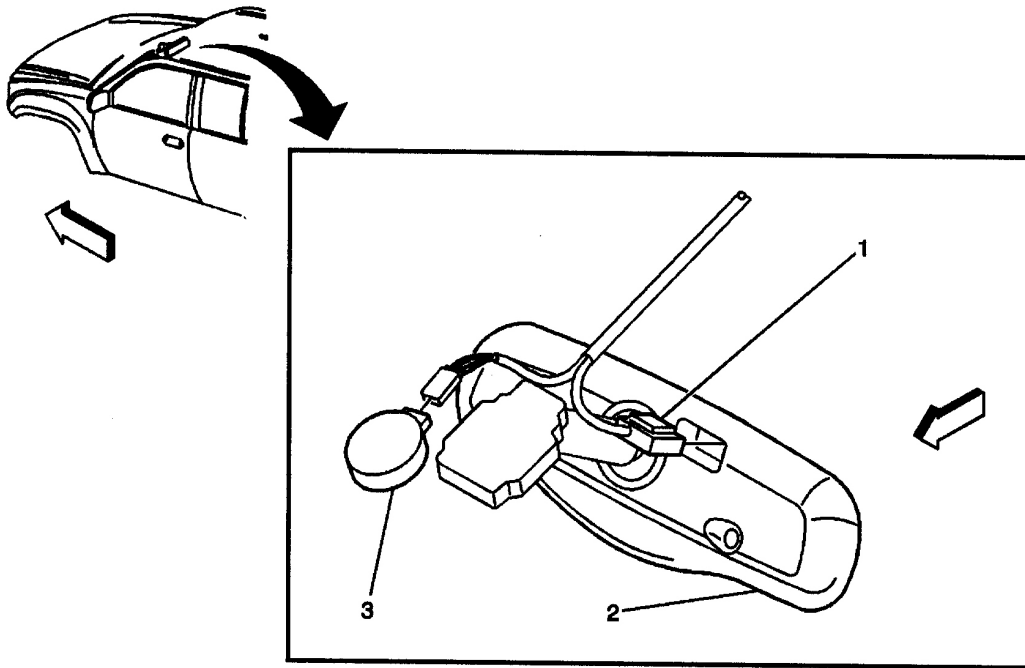
- (1) Heater Element
- (2) Seat Cushion Heater Element (Under Seat Cover)
- (3) Seat Cover, Partially Removed

G00261979

**Fig. 97: Passenger's Seat**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



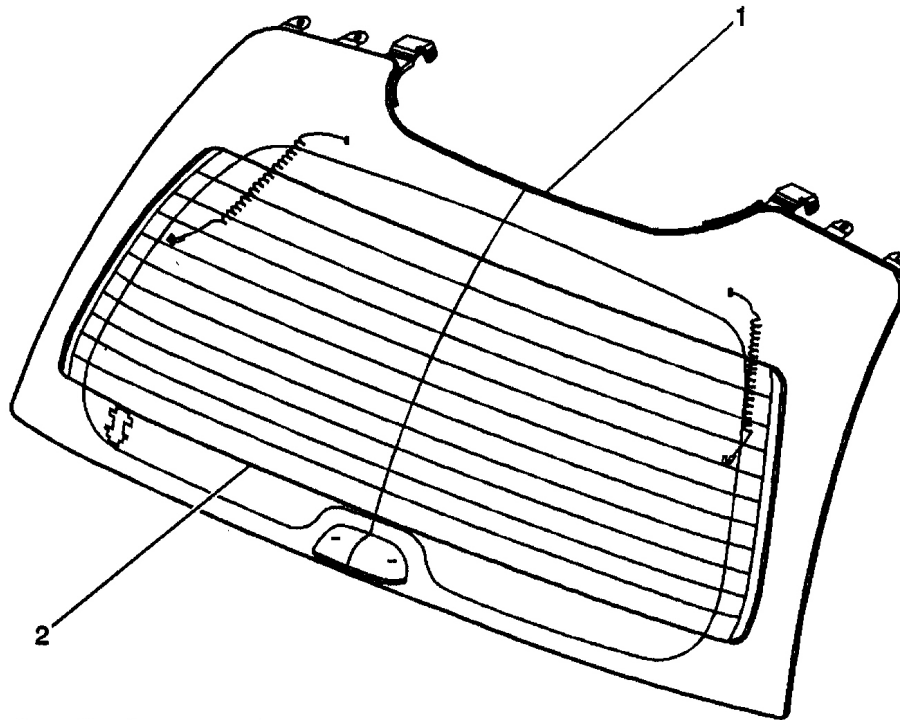
- (1) Connector (Headliner Harness)
- (2) Inside Rearview Mirror
- (3) Outside Moisture Sensor

G00261980

**Fig. 98: Inside Rearview Mirror**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



(1) Liftglass

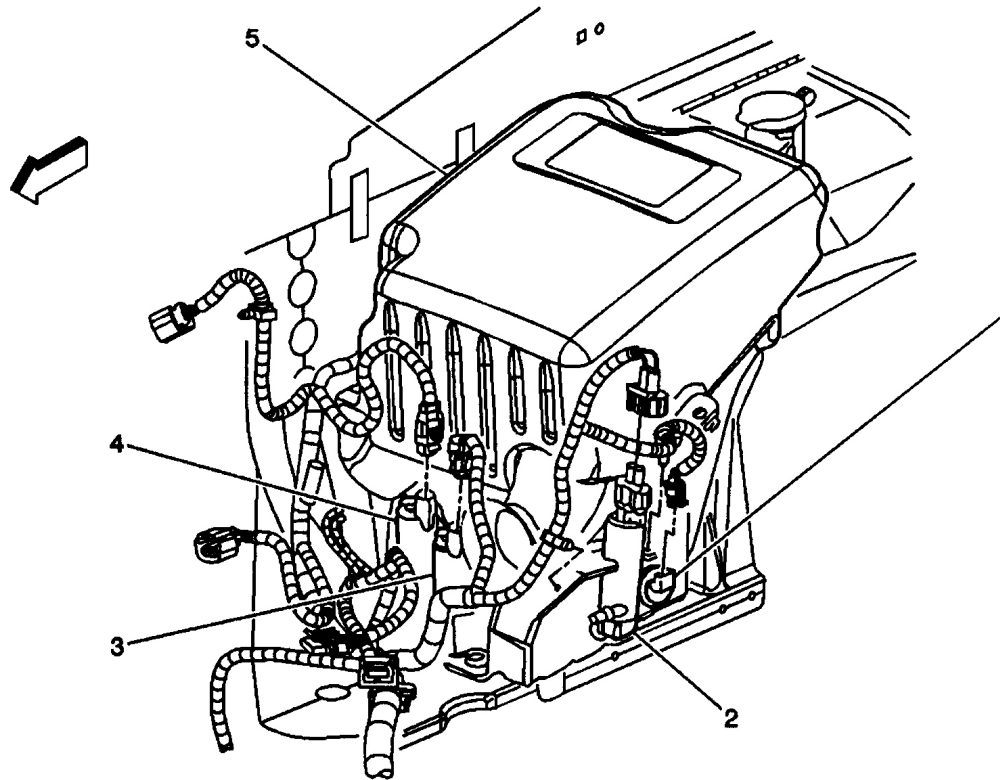
(2) Rear Window Defogger Grid

G00261981

**Fig. 99: Rear Window Defogger**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



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

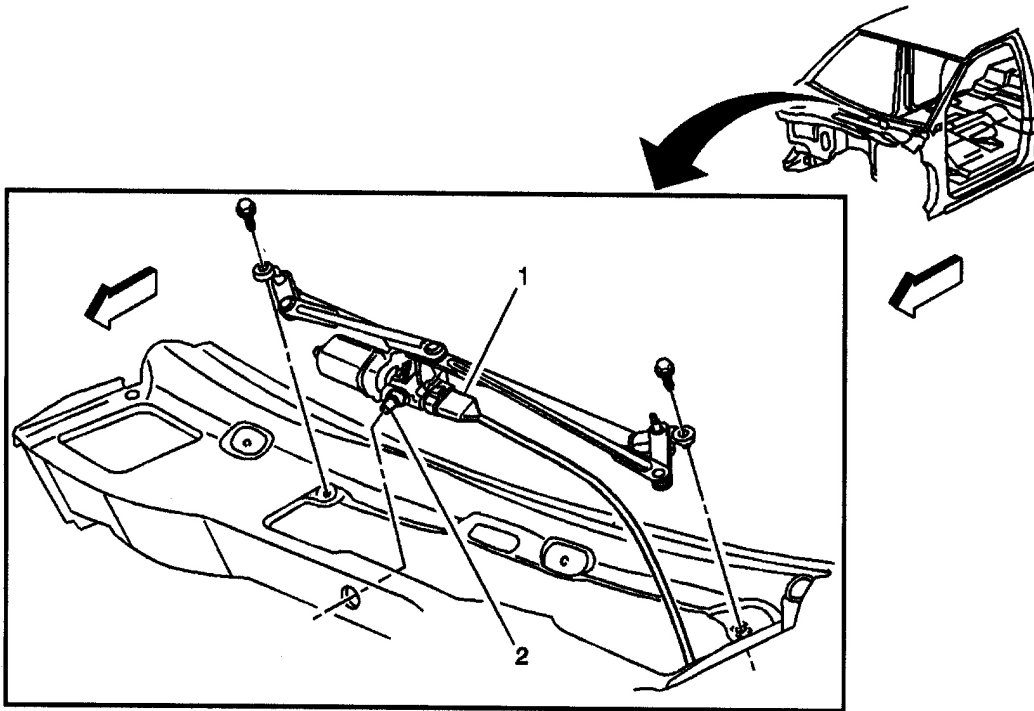
G00261982

**Fig. 100: Right Front Of Engine Compartment**  
**Courtesy of GENERAL MOTORS CORP.**



## 2006 Buick Rainier

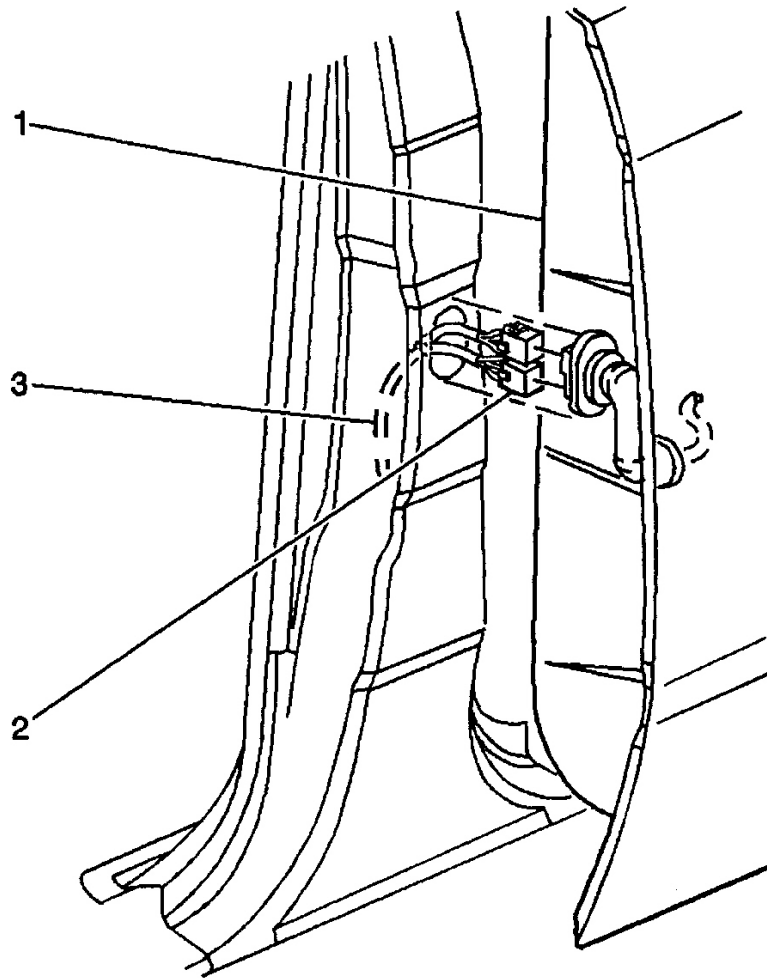
2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



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

G00261983

**Fig. 101: Center Rear Of Engine Compartment**  
**Courtesy of GENERAL MOTORS CORP.**



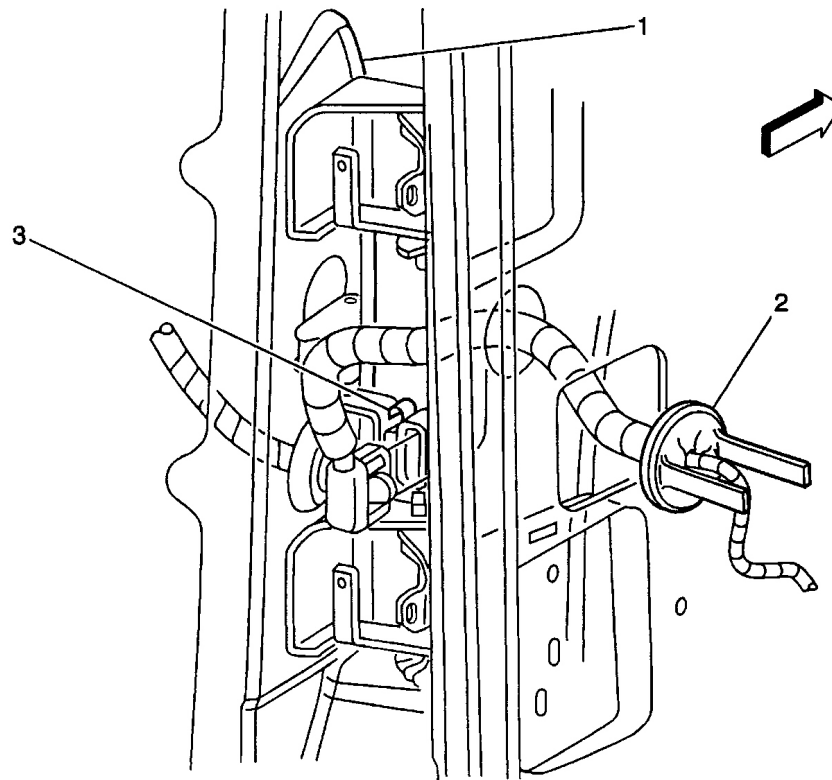
- (1) Door, LR
- (2) C700, C800 similar on right side
- (3) Body Wiring Harness

G00258495

**Fig. 102: "B" Pillar**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



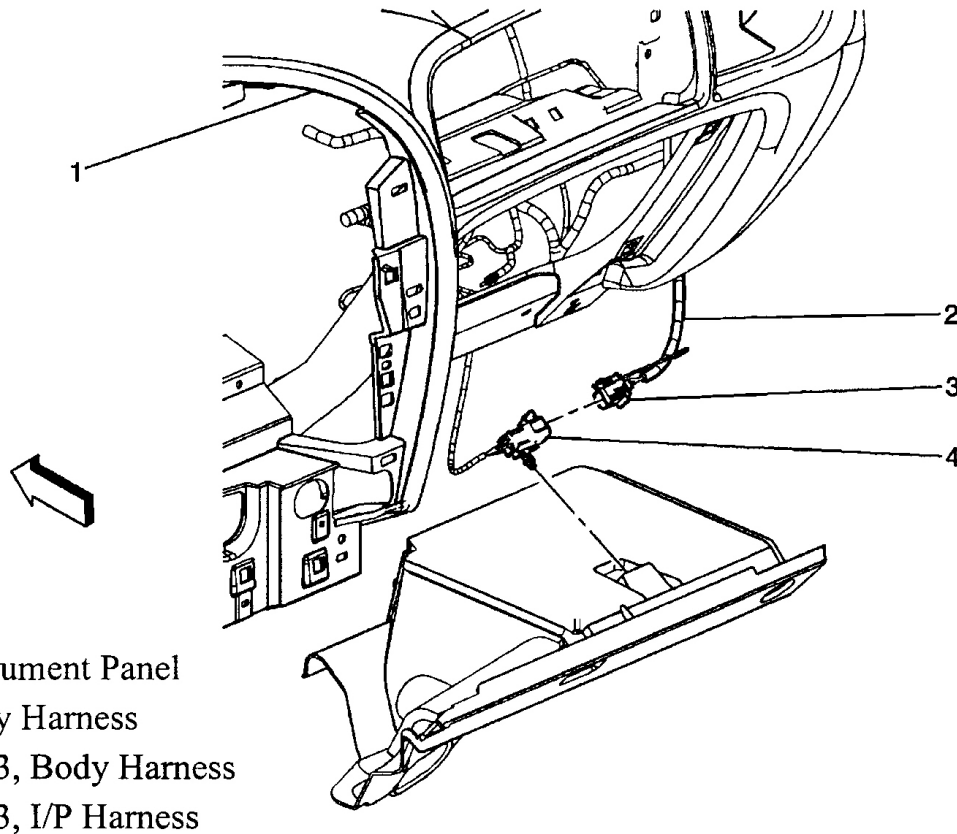
- (1) Door, LF
- (2) Body Wiring Harness
- (3) C500, C600 similar on right side

G00258496

**Fig. 103: "B" Pillar**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



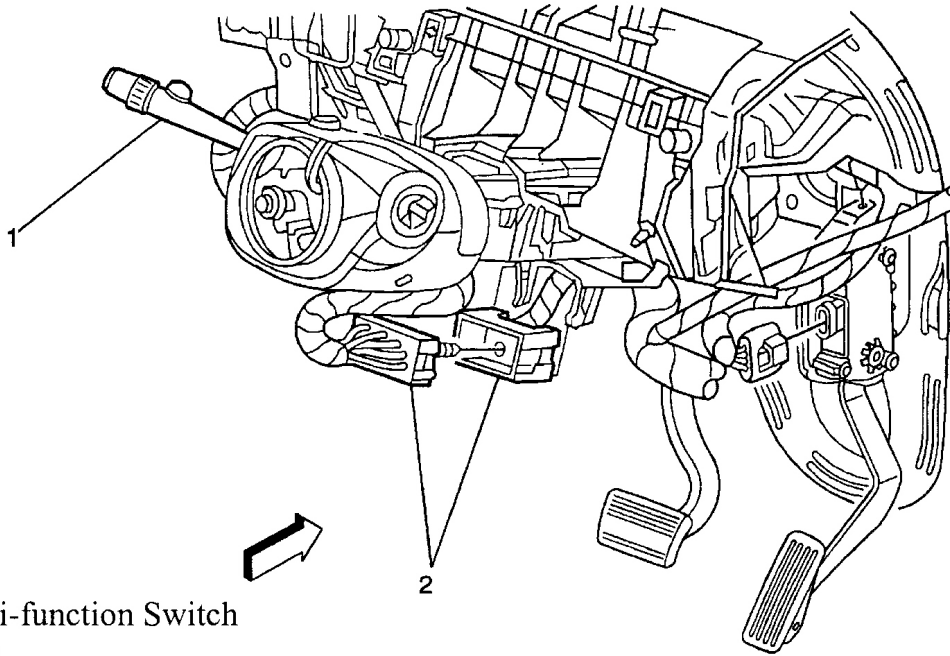
- (1) Instrument Panel
- (2) Body Harness
- (3) C203, Body Harness
- (4) C203, I/P Harness

G00258497

**Fig. 104: Right Side Of Dash**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



(1) Multi-function Switch

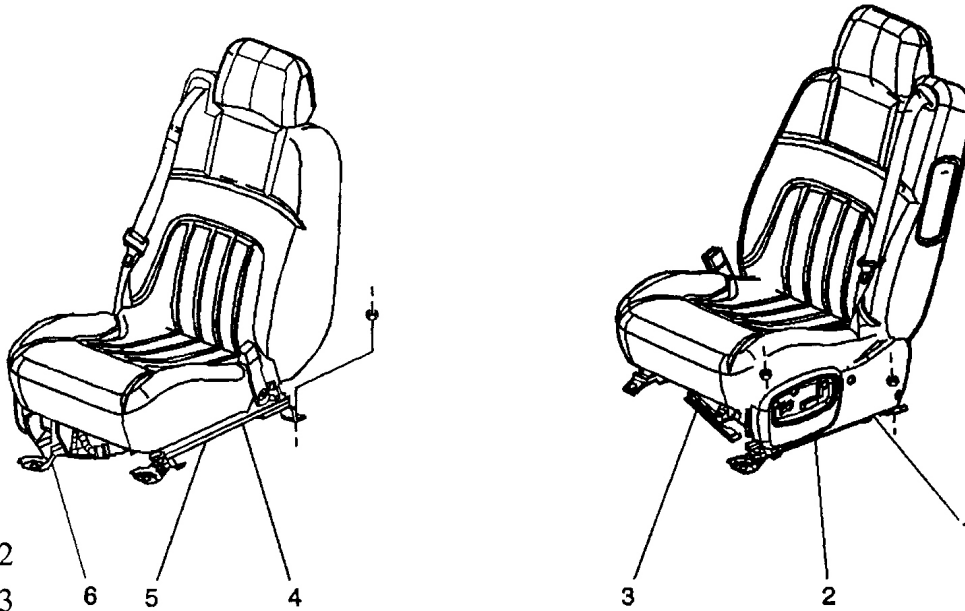
(2) C201

G00258499

**Fig. 105: Left Side Of Dash**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

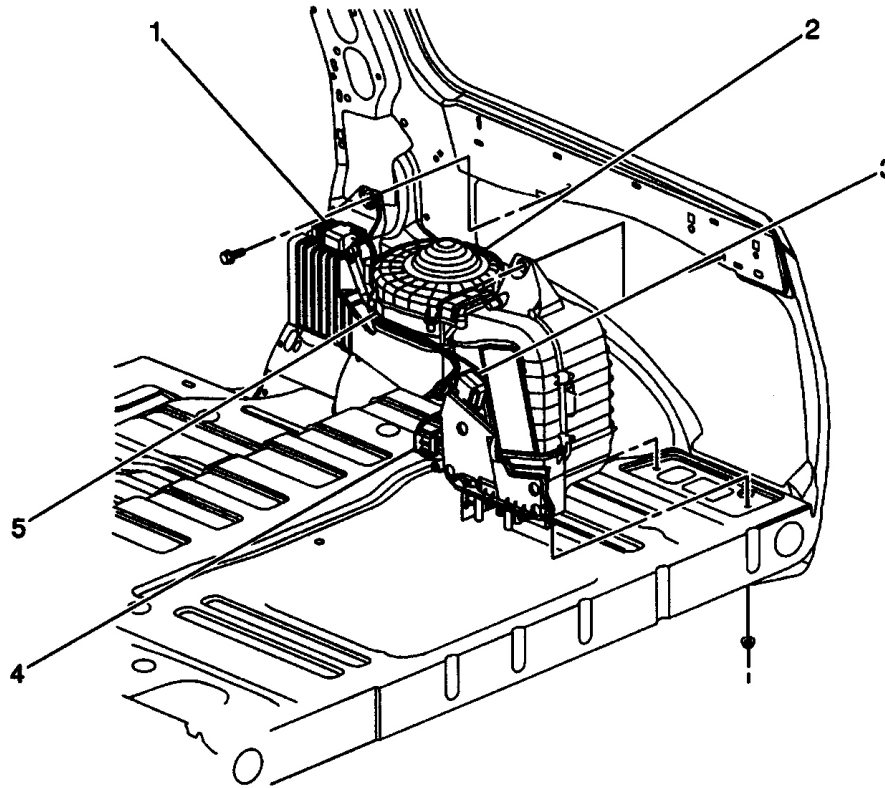
2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



- (1) C312
- (2) C313
- (3) C311
- (4) C315
- (5) C316
- (6) C314

G00258500

**Fig. 106: Driver's & Front Passenger's Seat**  
**Courtesy of GENERAL MOTORS CORP.**



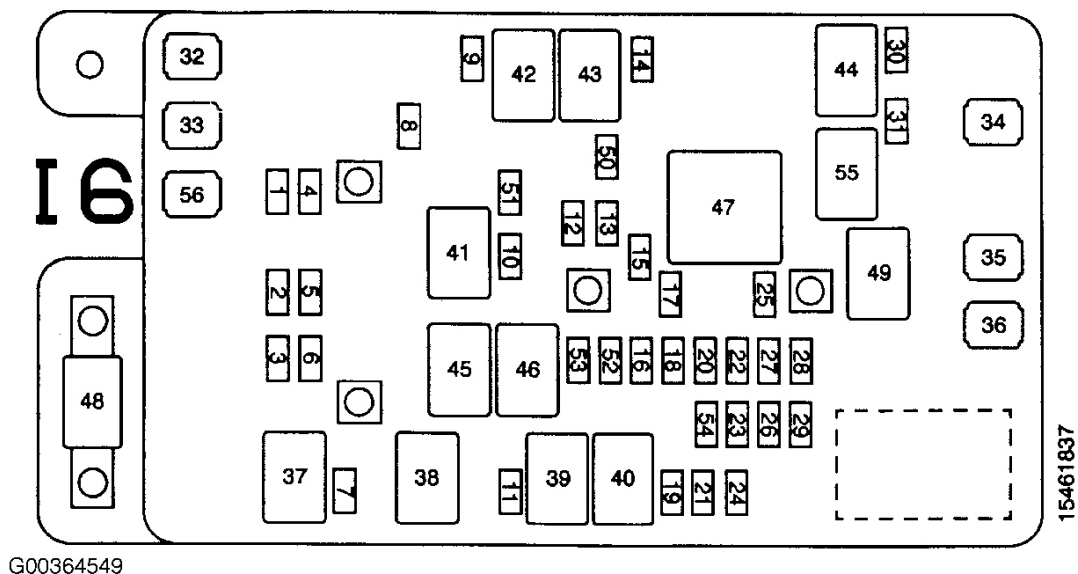
- (1) Mode Actuator - Auxiliary
- (2) Blower - Auxiliary
- (3) Air Temperature Actuator - Auxiliary
- (4) C401
- (5) In-Line 30A Fuse

G00261878

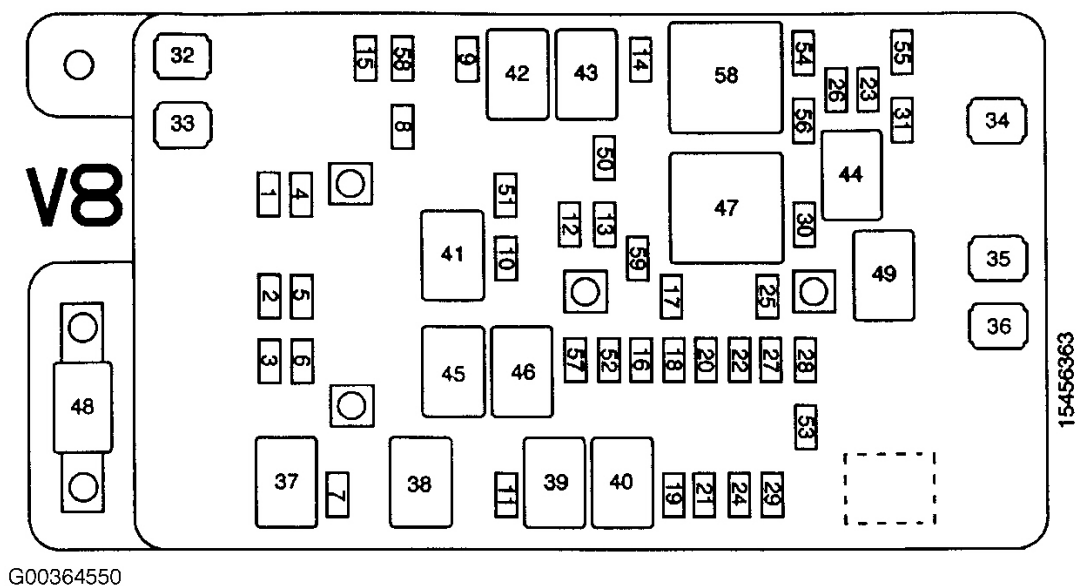
**Fig. 107: Right Rear Of Cargo Area (Long Wheel Base)**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



**Fig. 108: Fuse Block - Underhood (4.2L)**  
 Courtesy of GENERAL MOTORS CORP.

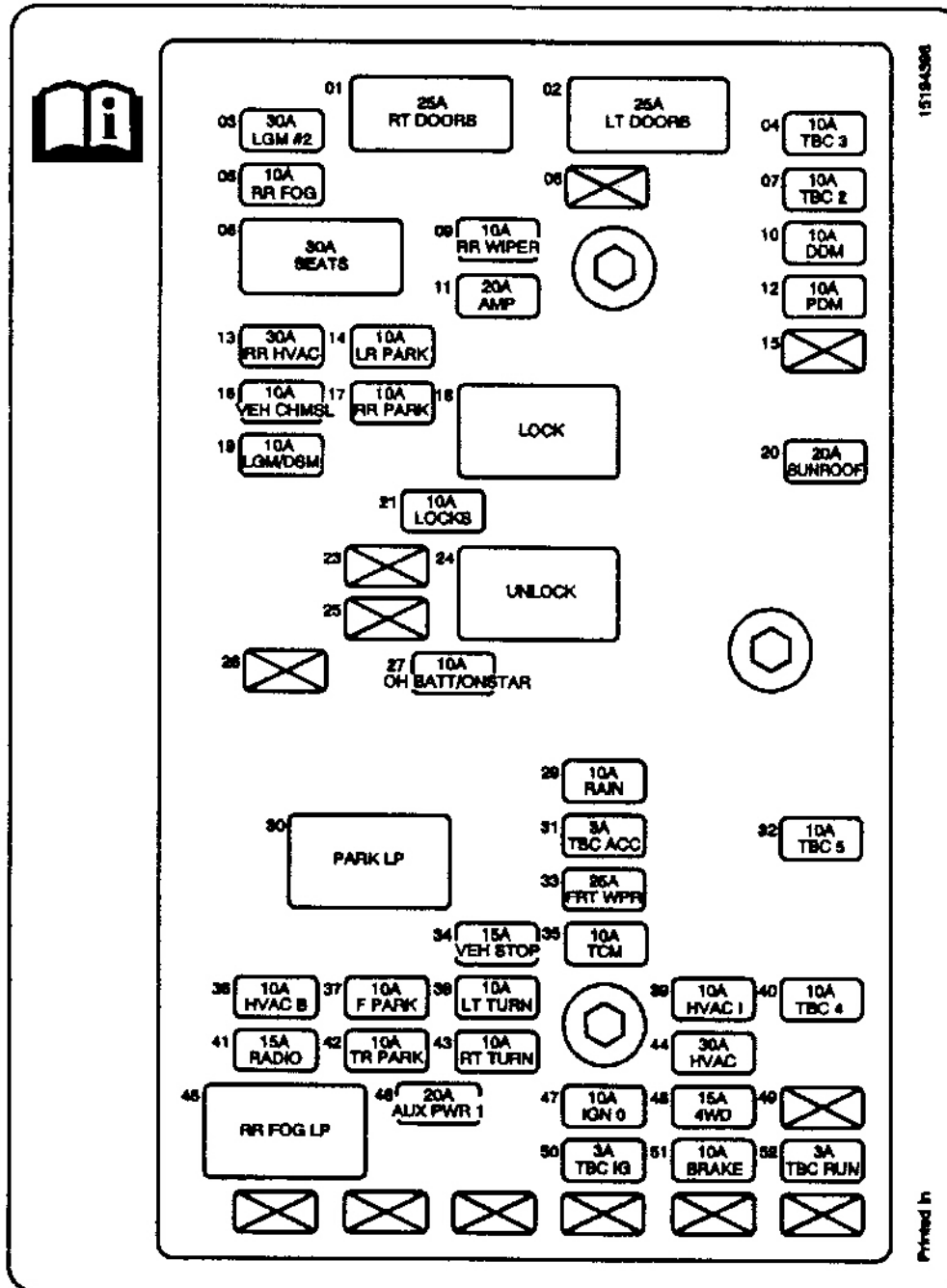


**Fig. 109: Fuse Block - Underhood (5.3L/6.0L)**  
 Courtesy of GENERAL MOTORS CORP.



# 2006 Buick Rainier

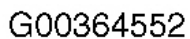
2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



G00364551

**Fig. 110: Fuse Block - Rear (Short Wheel Base)**  
 Courtesy of GENERAL MOTORS CORP.

## 2006 GENERAL MOTORS Envoy, Envoy XL, Rainier &amp; TrailBlazer



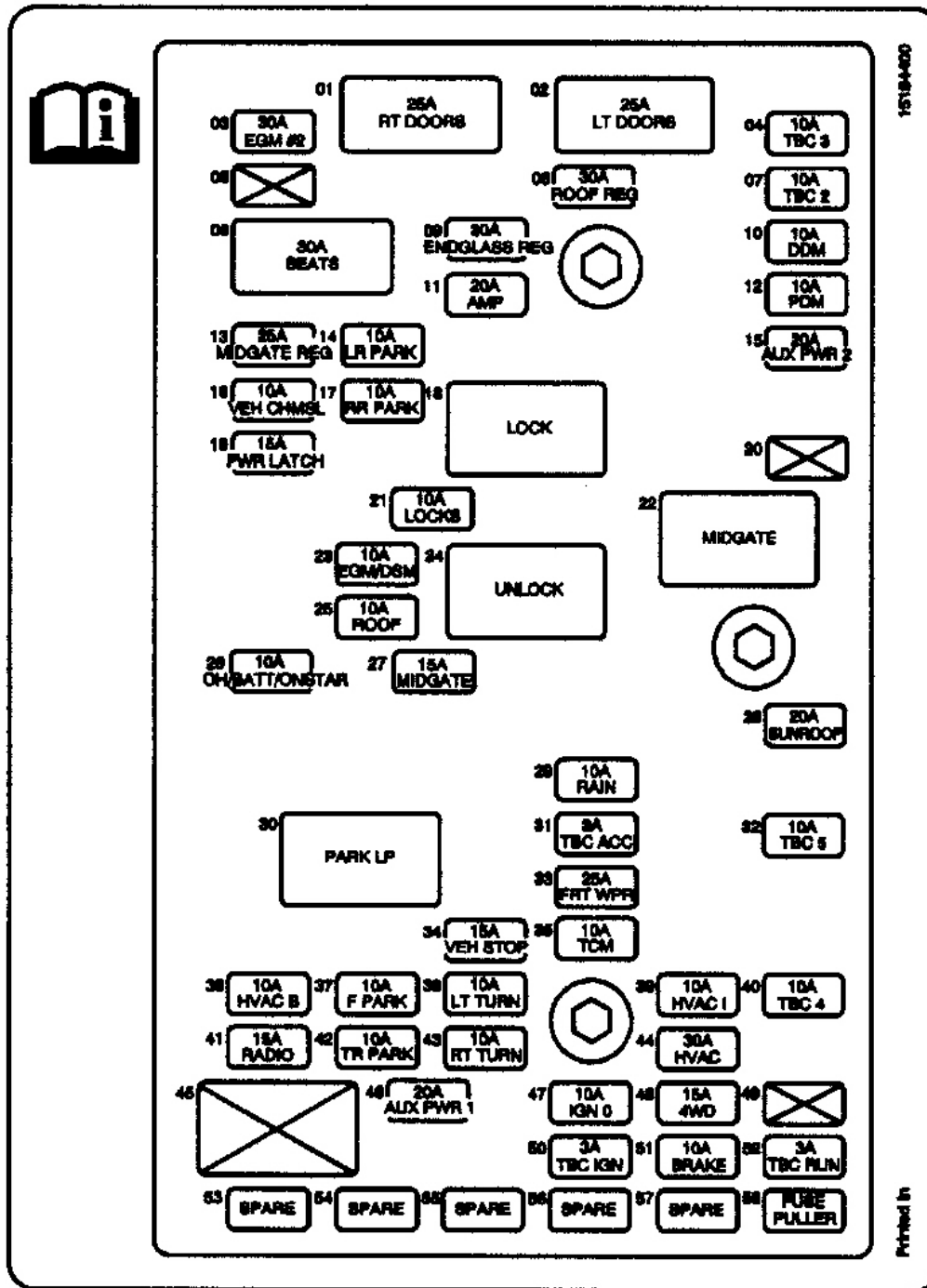
**Fig. 111: Fuse Block - Rear (Long Wheel Base)**

<b>2006 Buick Rainier</b>
2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer

Courtesy of **GENERAL MOTORS CORP.**

# 2006 Buick Rainier

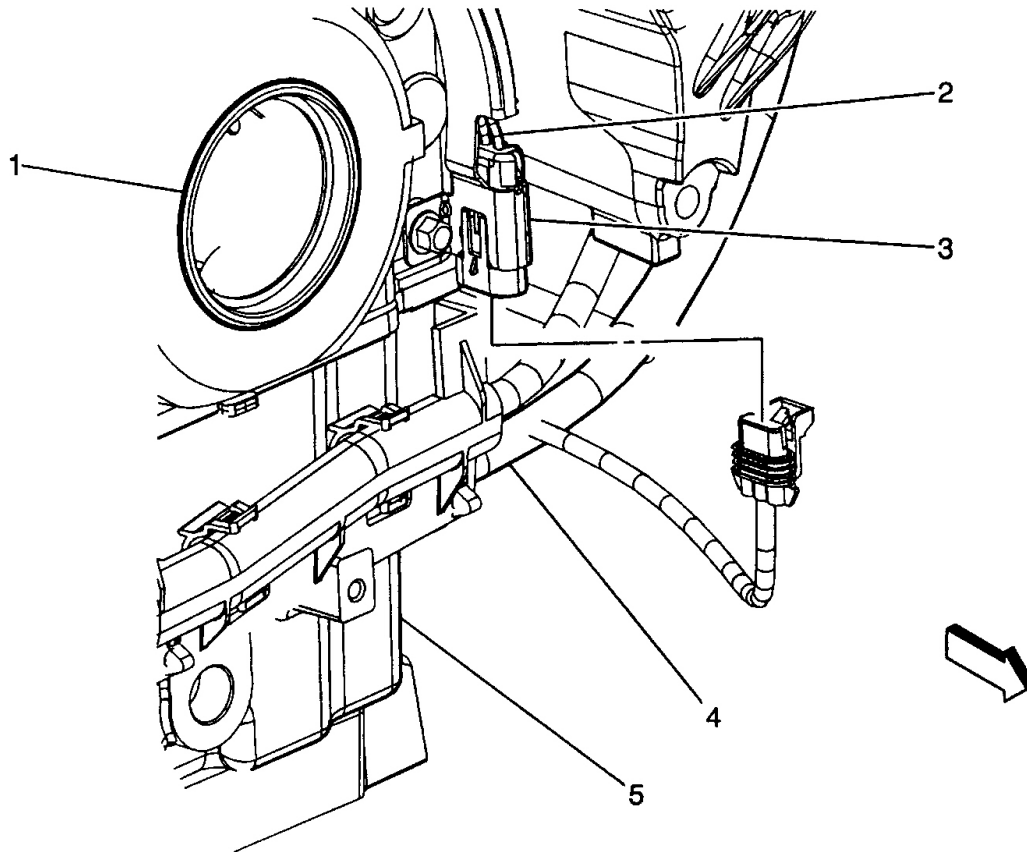
2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



G00364553

Fig. 112: Fuse Block - Rear (XUV)

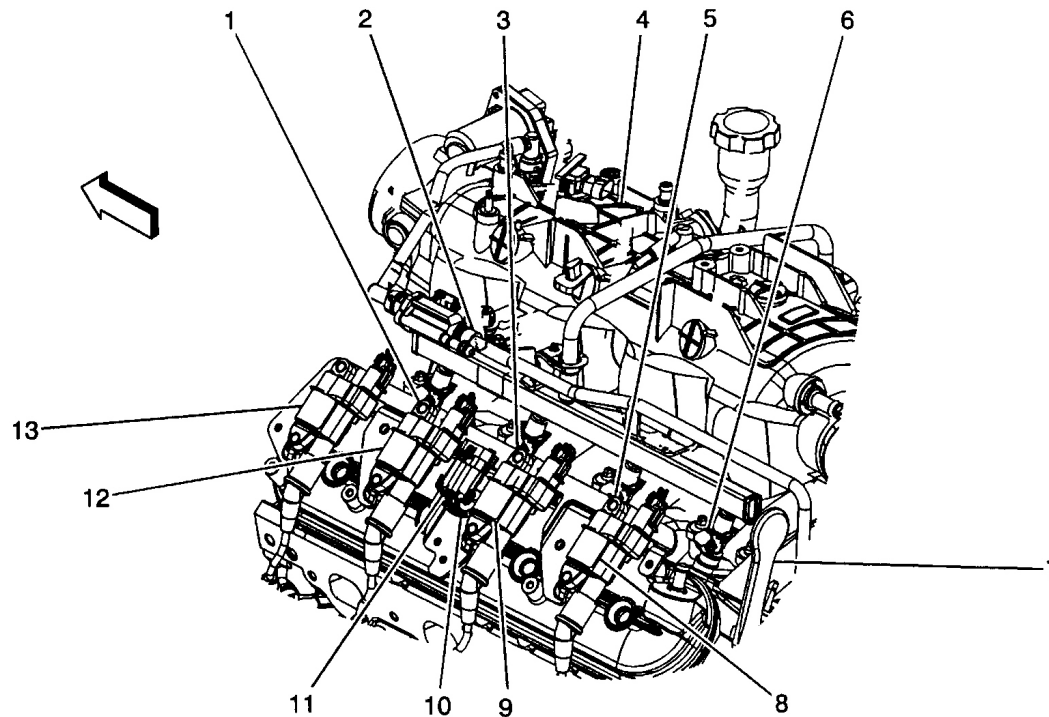
Courtesy of GENERAL MOTORS CORP.



- (1) Camshaft Position (CMP) Sensor
- (2) Camshaft Position (CMP) Sensor Jumper Harness
- (3) C110
- (4) Engine Harness
- (5) Engine

G00364554

**Fig. 113: Camshaft Position (CMP) Sensor (5.3L/6.0L)**  
Courtesy of GENERAL MOTORS CORP.



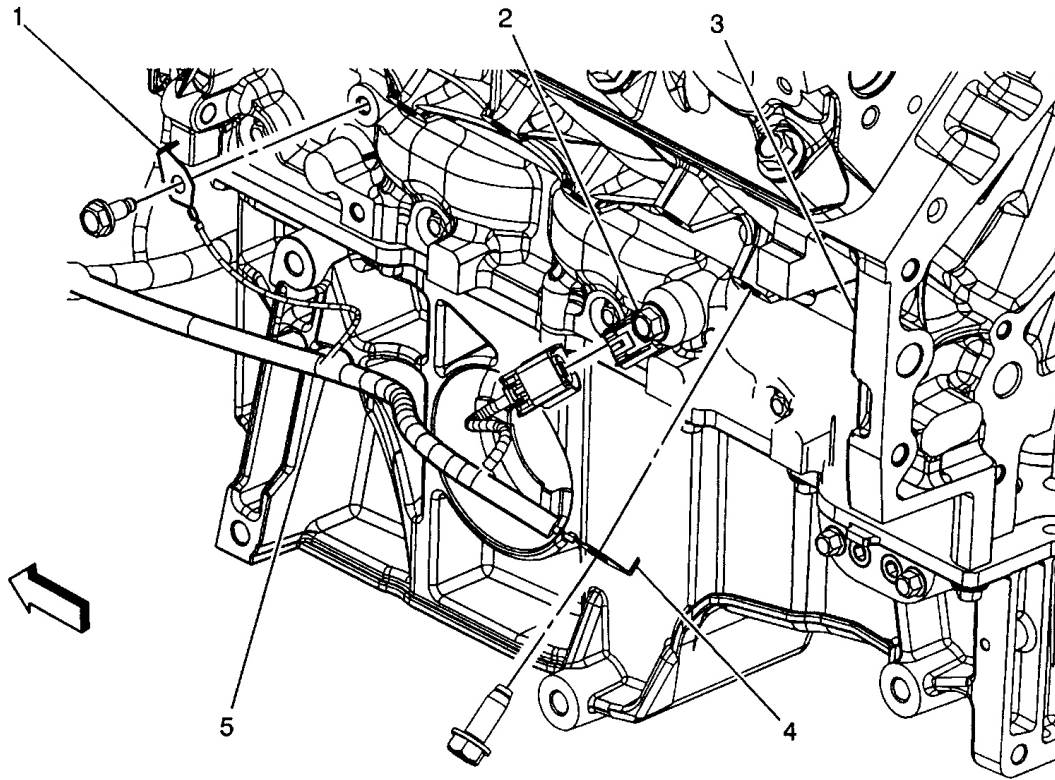
- (1) Fuel Injector 1
- (2) Evaporative Emission (EVAP) Canister Purge Solenoid
- (3) Fuel Injector 3
- (4) Manifold Absolute Pressure (MAP) Sensor
- (5) Fuel Injector 5
- (6) Fuel Injector 7
- (7) Engine
- (8) Ignition Coil 7
- (9) Ignition Coil 5
- (10) Ignition Coil Harness
- (11) C109
- (12) Ignition Coil 3
- (13) Ignition Coil 1

G00364555

**Fig. 114: Upper Left Side Of Engine (5.3L/6.0L)**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



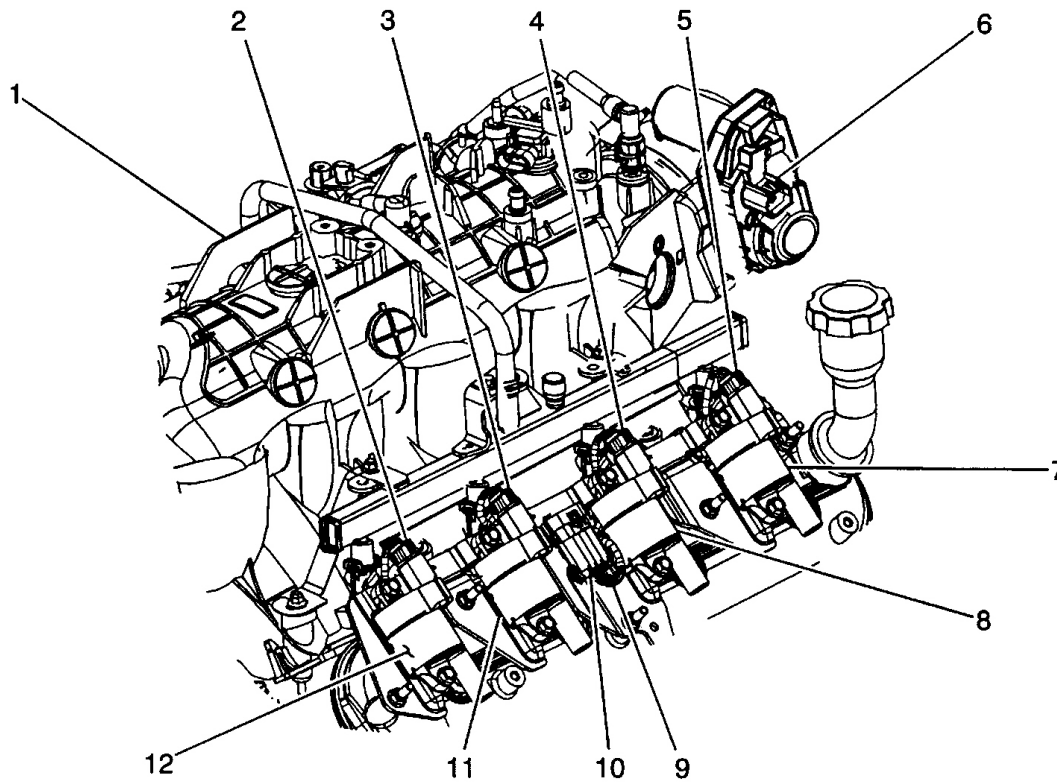
- (1) G107
- (2) Knock Sensor (KS) 1 - Left
- (3) Engine
- (4) G109
- (5) Engine Harness

G00364556

**Fig. 115: Rear Lower Left Side Of Engine (5.3L/6.0L)**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer

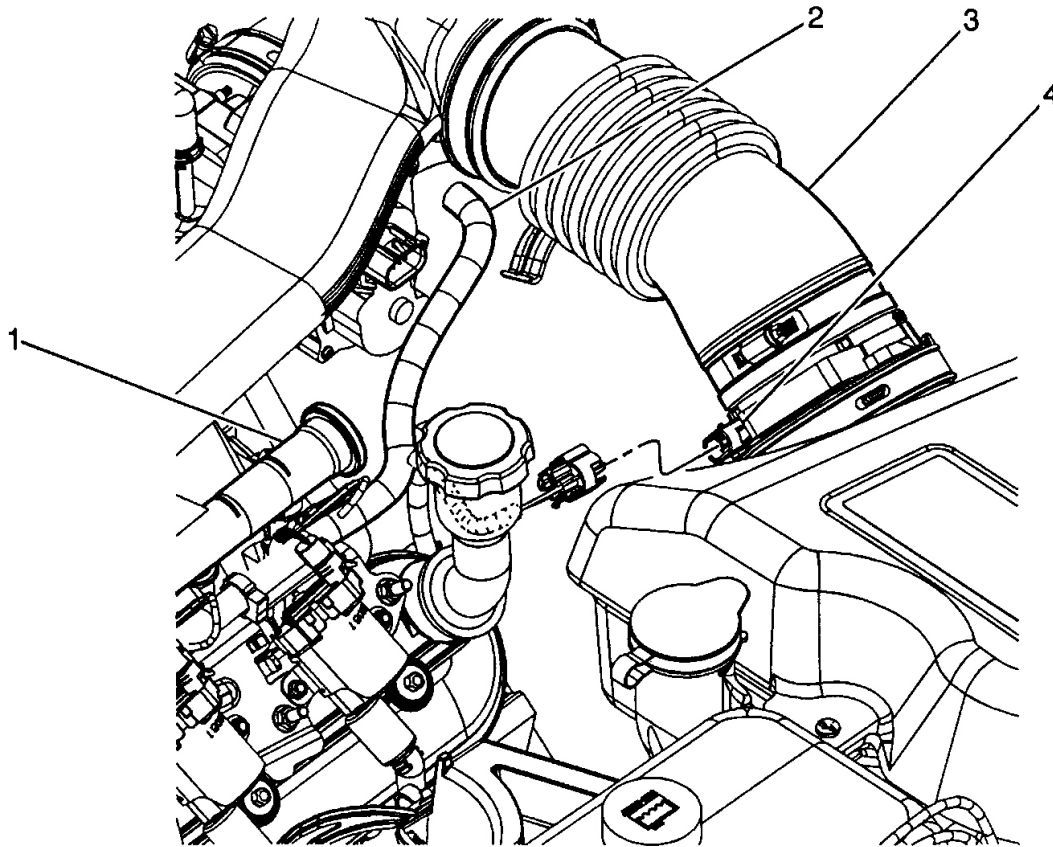


- (1) Engine
- (2) Fuel Injector 8
- (3) Fuel Injector 6
- (4) Fuel Injector 4
- (5) Fuel Injector 2
- (6) Throttle Body
- (7) Ignition Coil 2
- (8) Ignition Coil 4
- (9) Ignition Coil Harness
- (10) C108
- (11) Ignition Coil 6
- (12) Ignition Coil 8

G00364557

**Fig. 116: Upper Right Side Of Engine (5.3L/6.0L)**  
**Courtesy of GENERAL MOTORS CORP.**

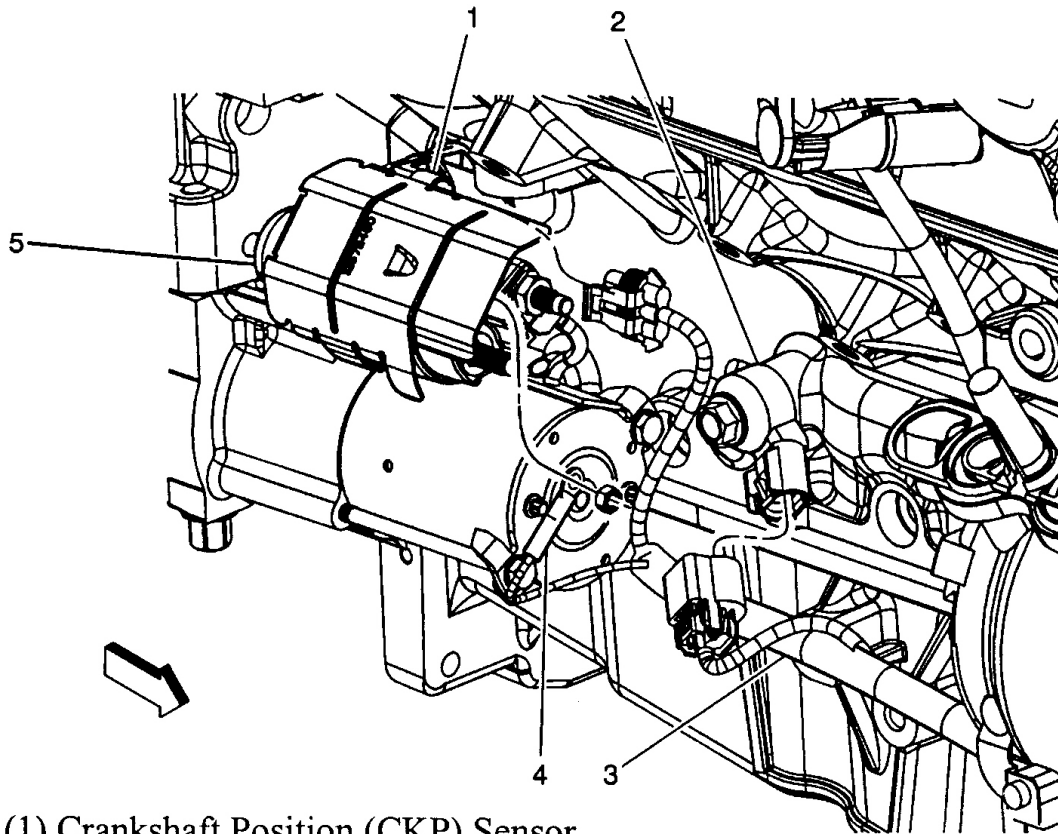




- (1) Engine
- (2) Engine Harness
- (3) Air Duct
- (4) Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor

G00364558

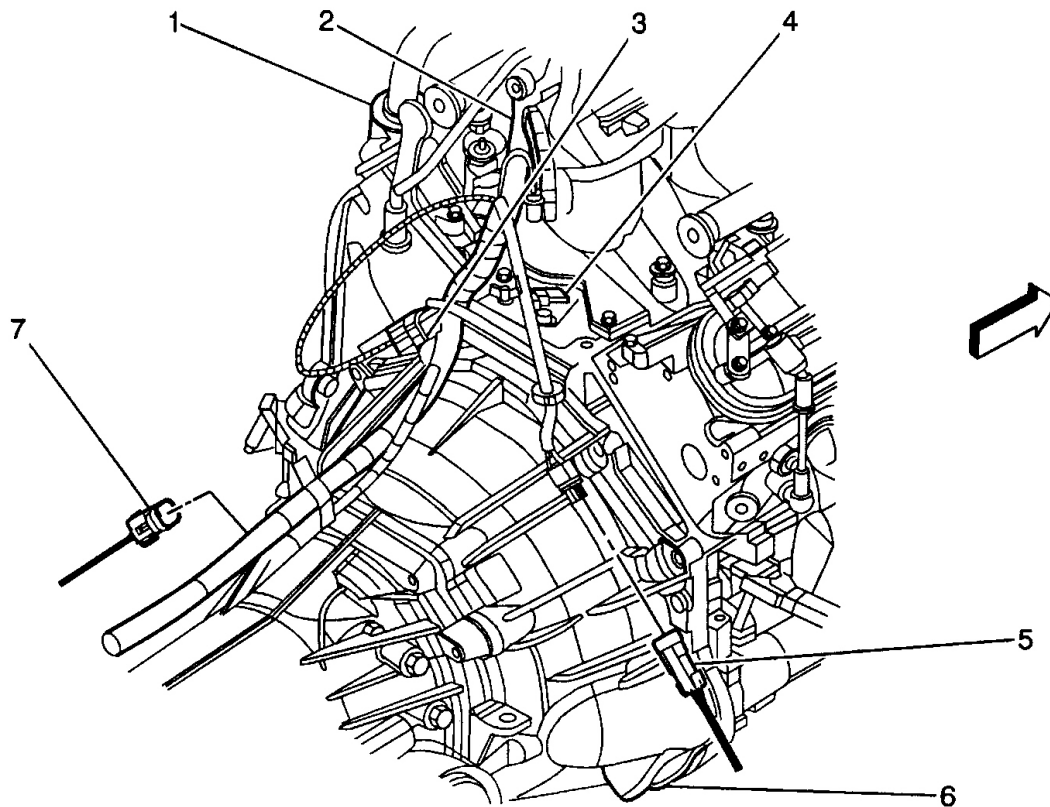
**Fig. 117: Upper Right Side Of Engine (5.3L/6.0L)**  
**Courtesy of GENERAL MOTORS CORP.**



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

G00364559

**Fig. 118: Lower Right Rear Of Engine (5.3L/6.0L)**  
**Courtesy of GENERAL MOTORS CORP.**



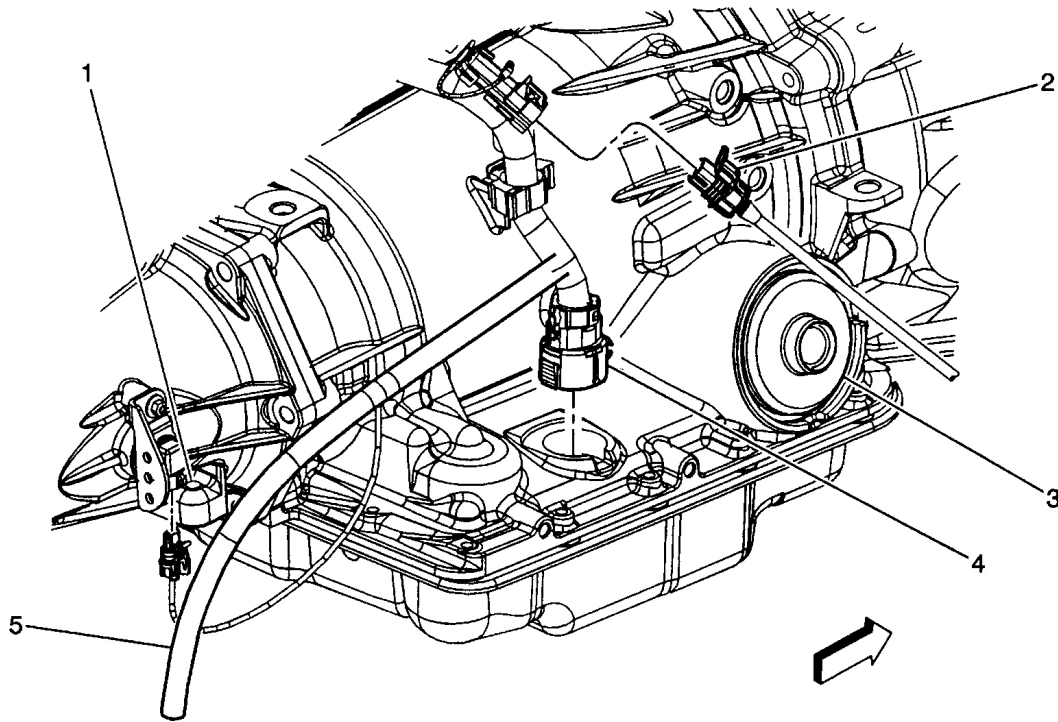
- (1) Engine
- (2) Engine Harness
- (3) Engine Oil Pressure (EOP) Sensor
- (4) Valve Lifter Oil Manifold (VLOM) Assembly (DOD)
- (5) Heated Oxygen Sensor (HO2S) Bank 2 Sensor 1
- (6) Transmission
- (7) Heated Oxygen Sensor (HO2S) Bank 1 Sensor 1

G00364560

**Fig. 119: Rear Of Engine (5.3L/6.0L)**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

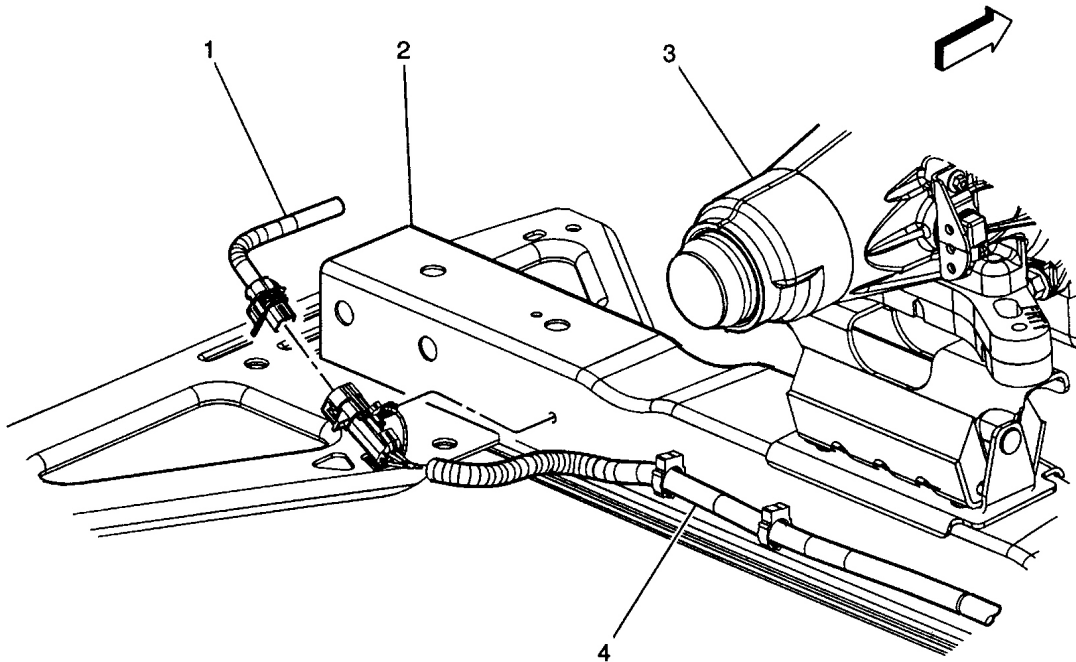
2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



- (1) Vehicle Speed Sensor (VSS)
- (2) Heated Oxygen Sensor (HO2S) Bank 2 Sensor 2
- (3) Transmission
- (4) C175
- (5) Engine Harness

G00364561

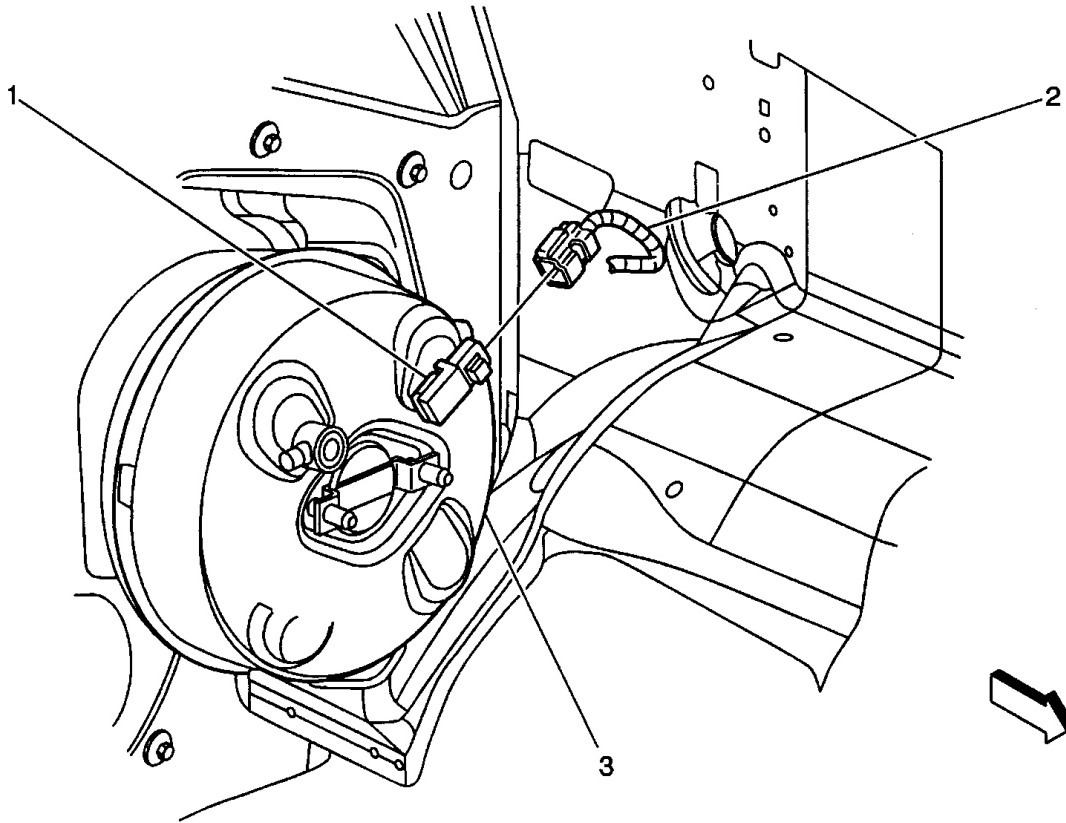
**Fig. 120: Right Side Of Transmission (5.3L/6.0L)**  
**Courtesy of GENERAL MOTORS CORP.**



- (1) Heated Oxygen Sensor (HO2S) Bank 1 Sensor 2
- (2) Transmission Crossmember
- (3) Transmission
- (4) Engine Harness

G00364562

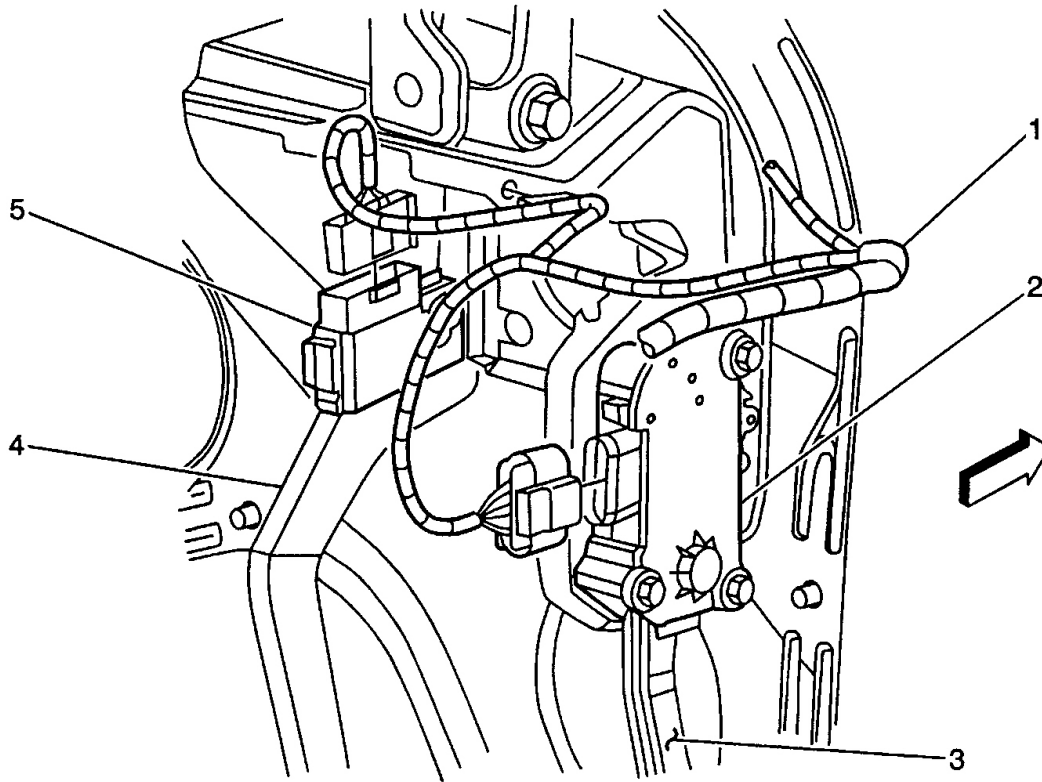
**Fig. 121: Rear Of Transmission**  
**Courtesy of GENERAL MOTORS CORP.**



- (1) Brake Booster Vacuum Sensor
- (2) Engine Harness
- (3) Power Brake Booster

G00364563

**Fig. 122: Power Brake Booster**  
**Courtesy of GENERAL MOTORS CORP.**



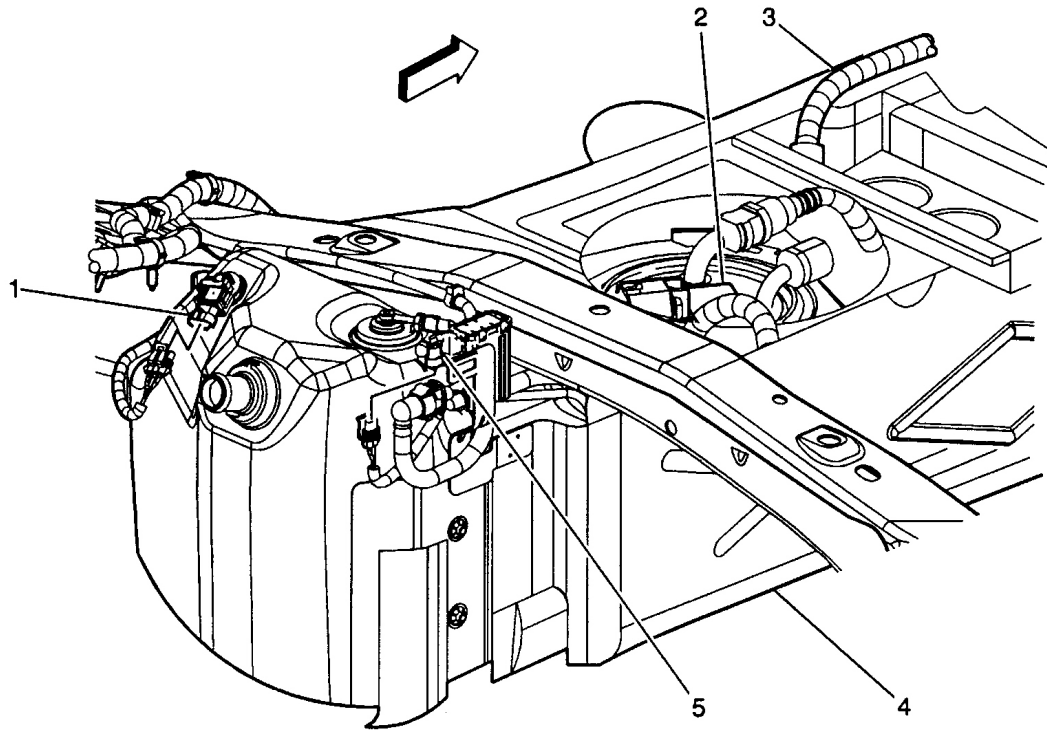
- (1) Instrument Panel Harness
- (2) Accelerator Pedal Position (APP) Sensor
- (3) Accelerator Pedal
- (4) Brake Pedal
- (5) Stop Lamp Switch

G00364564

**Fig. 123: Under Left Side Of Dash**  
**Courtesy of GENERAL MOTORS CORP.**

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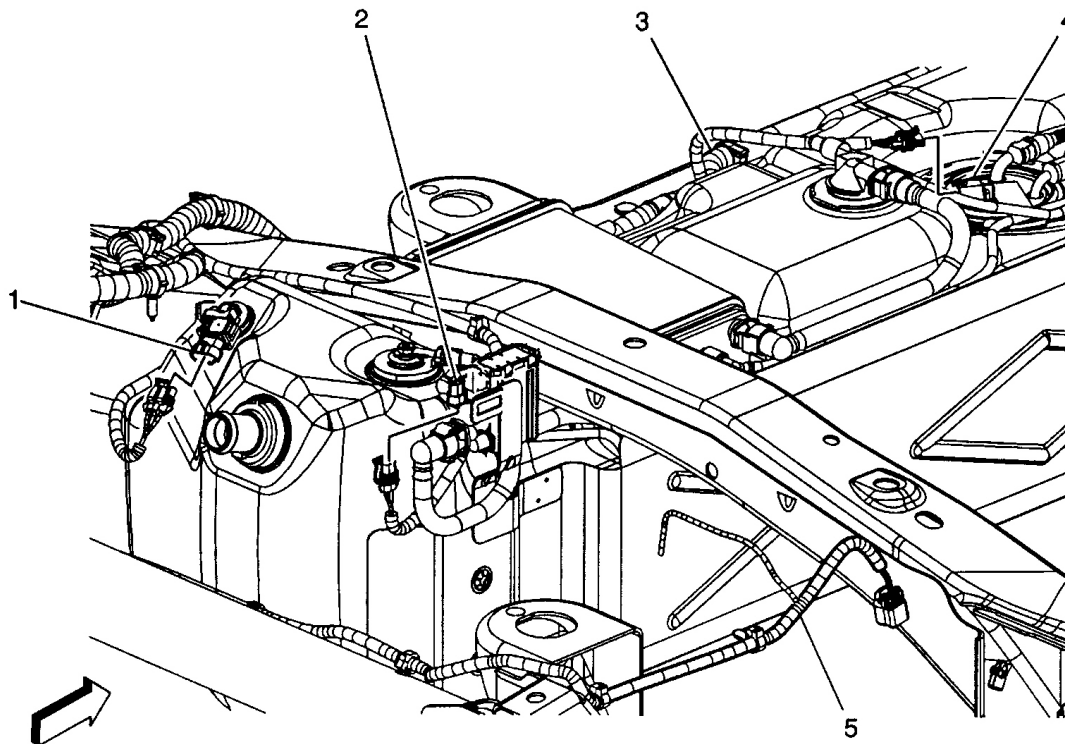


- (1) Fuel Tank Pressure (FTP) Sensor
- (2) Fuel Pump and Sender Assembly
- (3) Chassis Harness
- (4) Fuel Tank
- (5) Evaporative Emission (EVAP) Canister Vent Solenoid

G00364565

**Fig. 124: Fuel Tank (Short Wheel Base)**  
**Courtesy of GENERAL MOTORS CORP.**

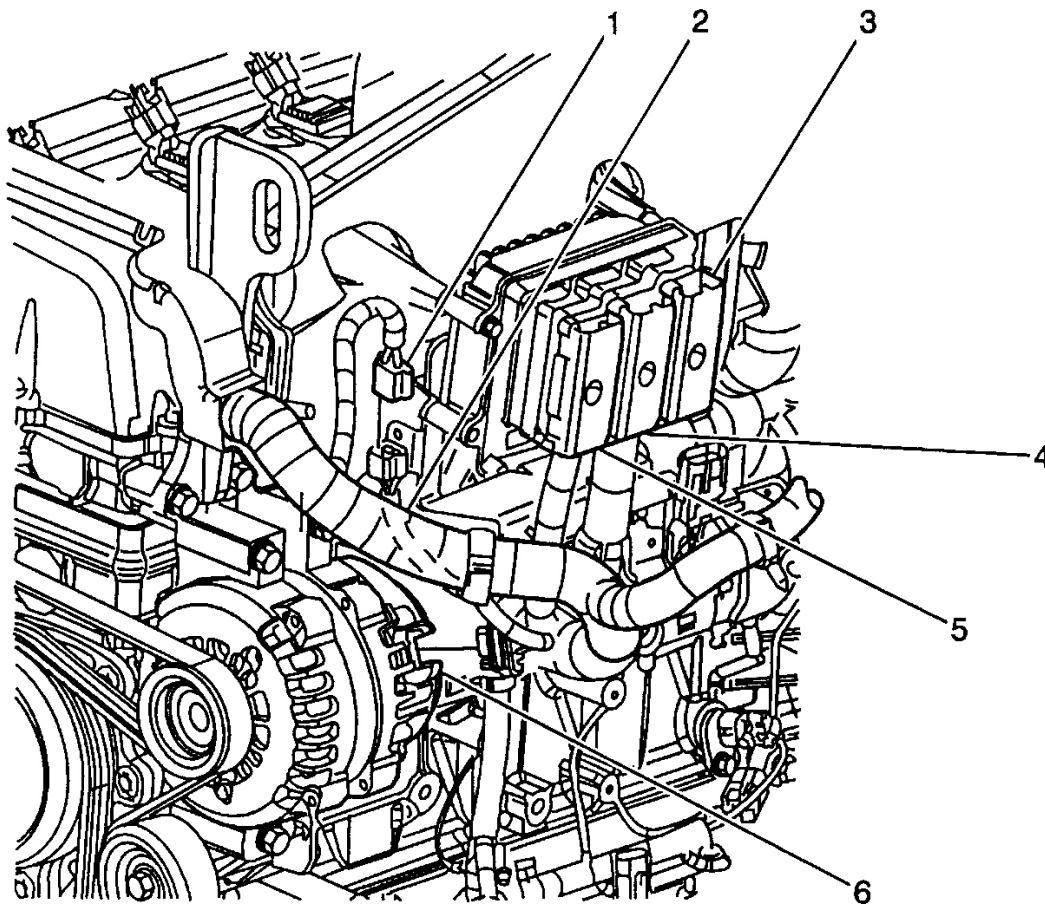




- (1) Fuel Tank Pressure (FTP) Sensor
- (2) Evaporative Emission (EVAP) Canister Vent Solenoid
- (3) Chassis Harness
- (4) Fuel Pump and Sender Assembly
- (5) Fuel Tank

G00364566

**Fig. 125: Fuel Tank (Long Wheel Base)**  
**Courtesy of GENERAL MOTORS CORP.**



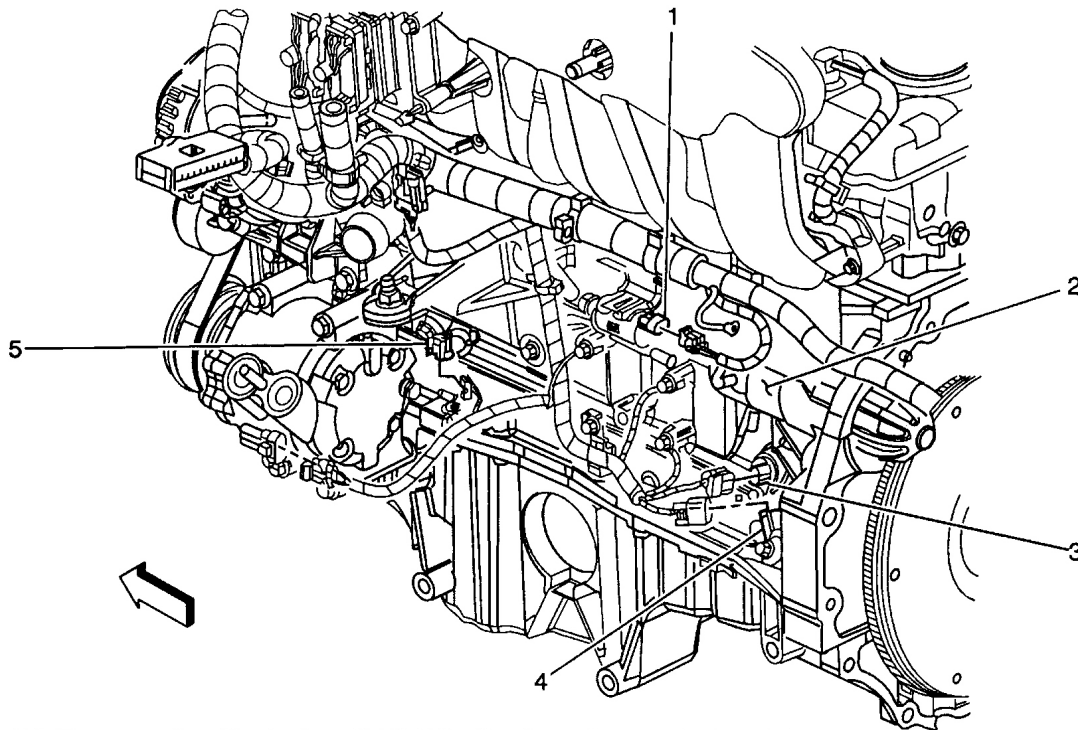
- (1) Engine Coolant Temperature (ECT) Sensor
- (2) Engine Harness
- (3) Powertrain Control Module (PCM) C1
- (4) Powertrain Control Module (PCM) C2
- (5) Powertrain Control Module (PCM) C3
- (6) Generator

G00364567

**Fig. 126: Upper Left Side Of Engine (4.2L)**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

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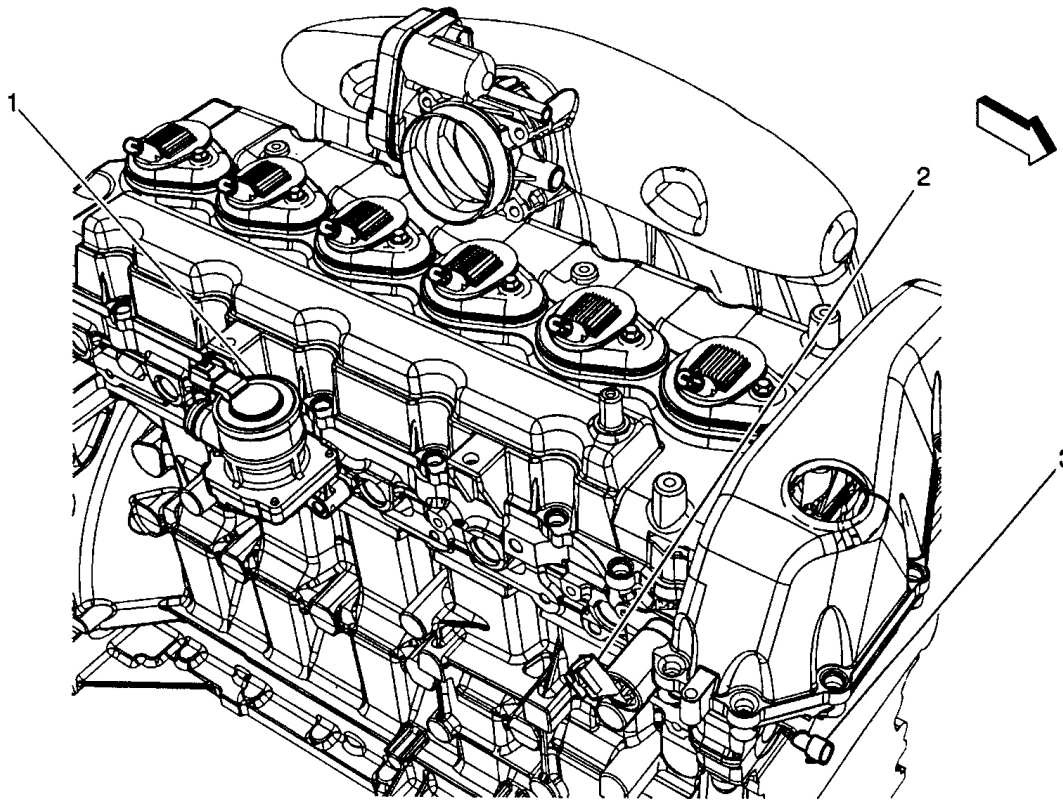
- (1) Evaporative Emission (EVAP) Canister Purge Solenoid
- (2) Starter
- (3) Crankshaft Position (CKP) Sensor
- (4) Knock Sensor (KS) 2, Rear
- (5) Knock Sensor (KS) 1, Front

G00364568

**Fig. 127: Lower Left Side Of Engine (4.2L)**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

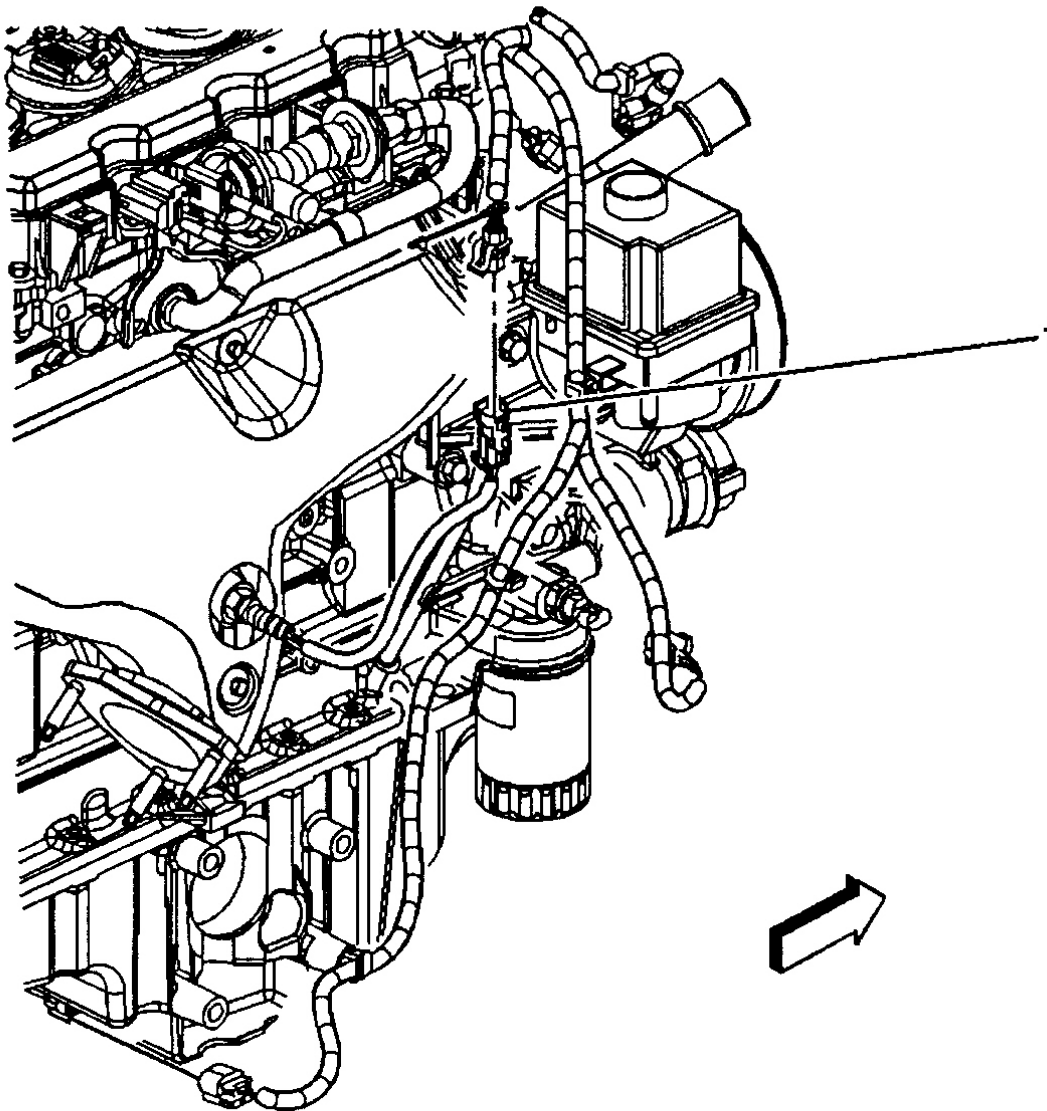
2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



- (1) Secondary Air Injection (AIR) Solenoid
- (2) Camshaft Actuator Solenoid Assembly
- (3) Camshaft Position (CMP) Sensor

G00364569

**Fig. 128: Upper Right Side Of Engine (4.2L)**  
**Courtesy of GENERAL MOTORS CORP.**



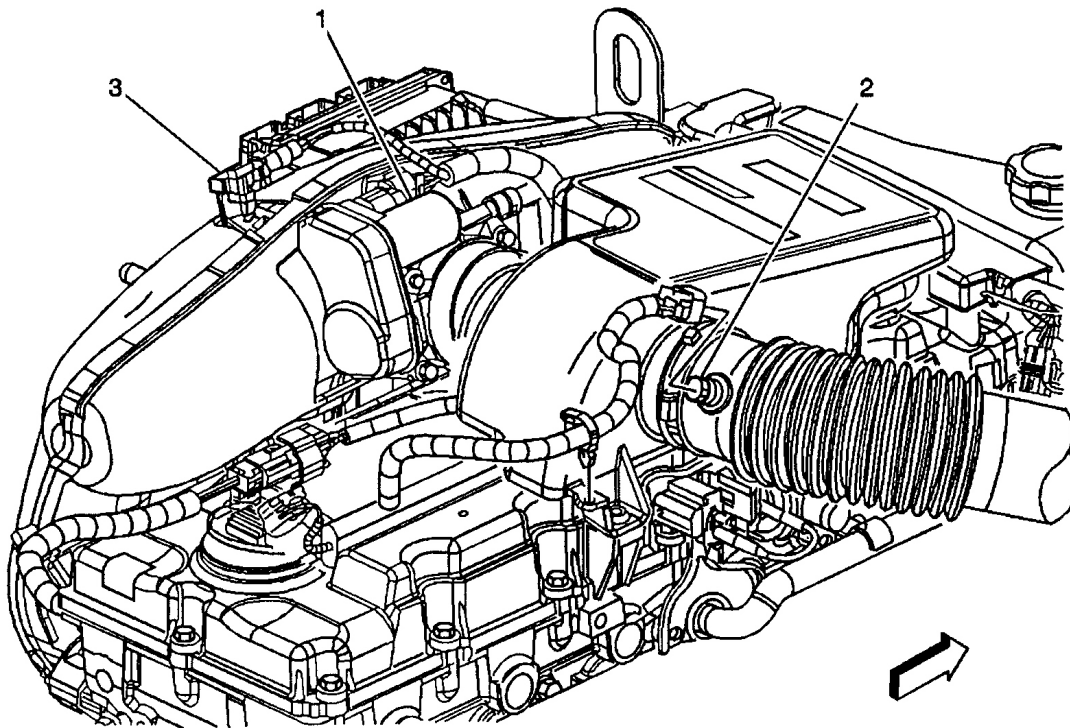
(1) Heated Oxygen Sensor (HO2S) 1

G00364570

**Fig. 129: Lower Right Side Of Engine (4.2L)**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



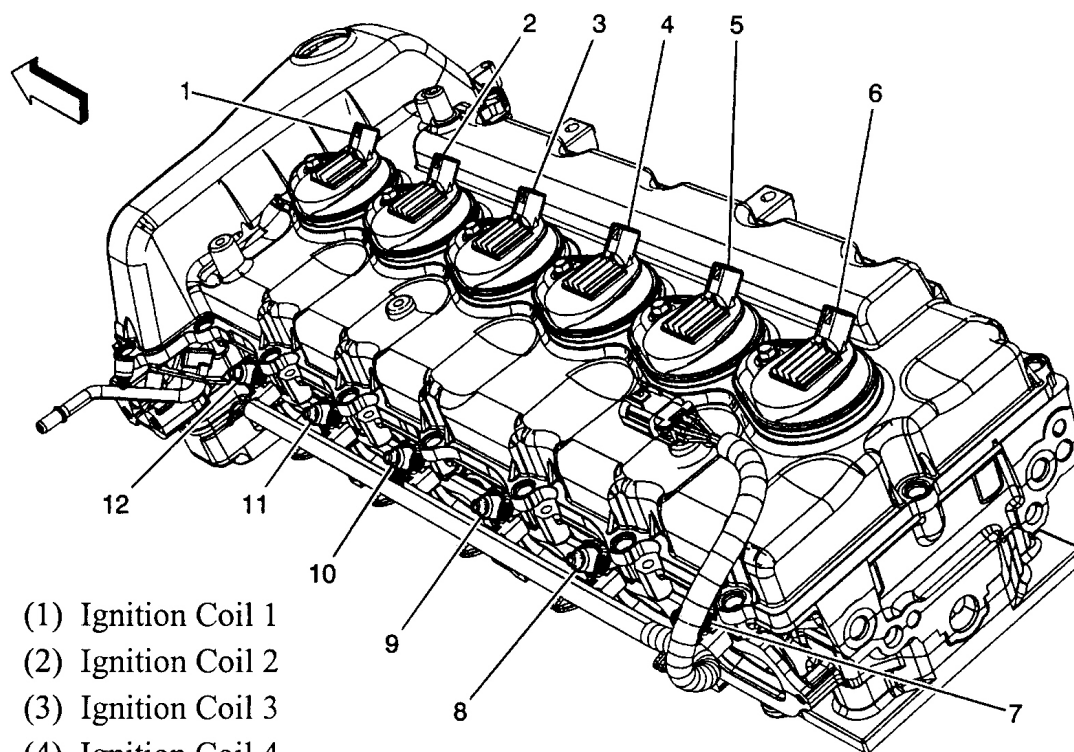
- (1) Throttle Body
- (2) Intake Air Temperature (IAT) Sensor
- (3) Manifold Absolute Pressure (MAP) Sensor

G00364571

**Fig. 130: Upper Right Side Of Engine**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

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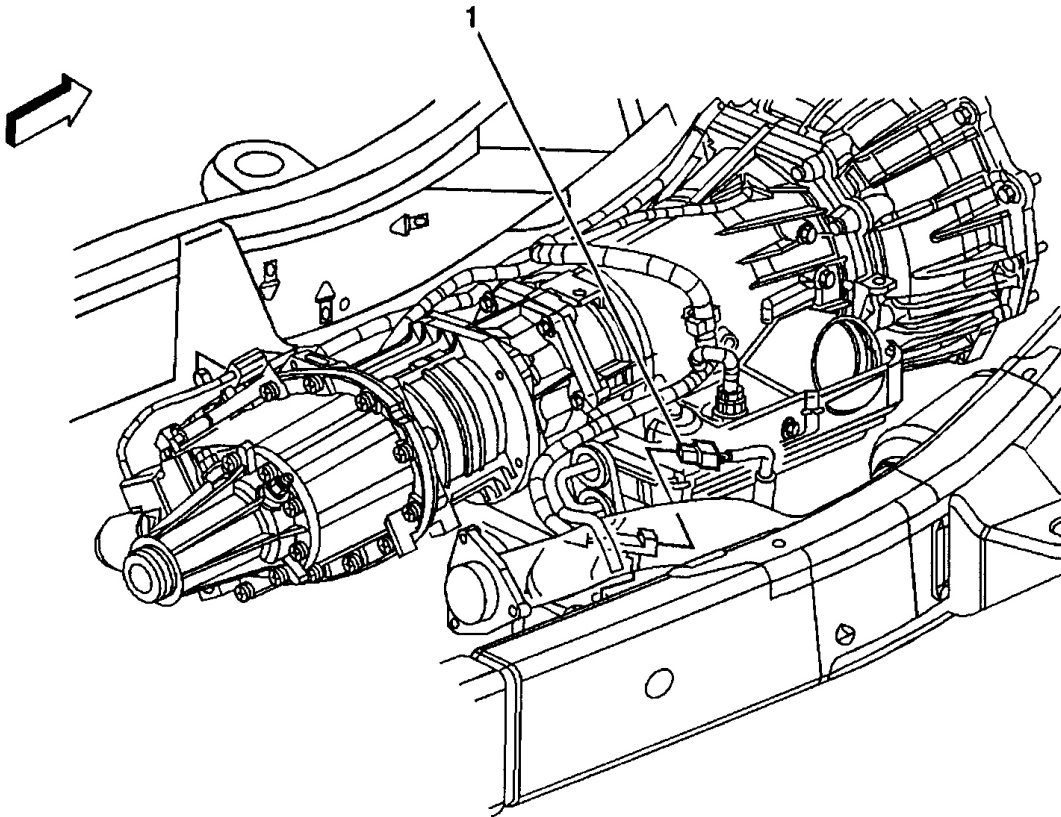


- (1) Ignition Coil 1
- (2) Ignition Coil 2
- (3) Ignition Coil 3
- (4) Ignition Coil 4
- (5) Ignition Coil 5
- (6) Ignition Coil 6
- (7) Fuel Injector 6
- (8) Fuel Injector 5
- (9) Fuel Injector 4
- (10) Fuel Injector 3
- (11) Fuel Injector 2
- (12) Fuel Injector 1

G00364572

**Fig. 131: Top Of Engine (4.2L)**  
**Courtesy of GENERAL MOTORS CORP.**



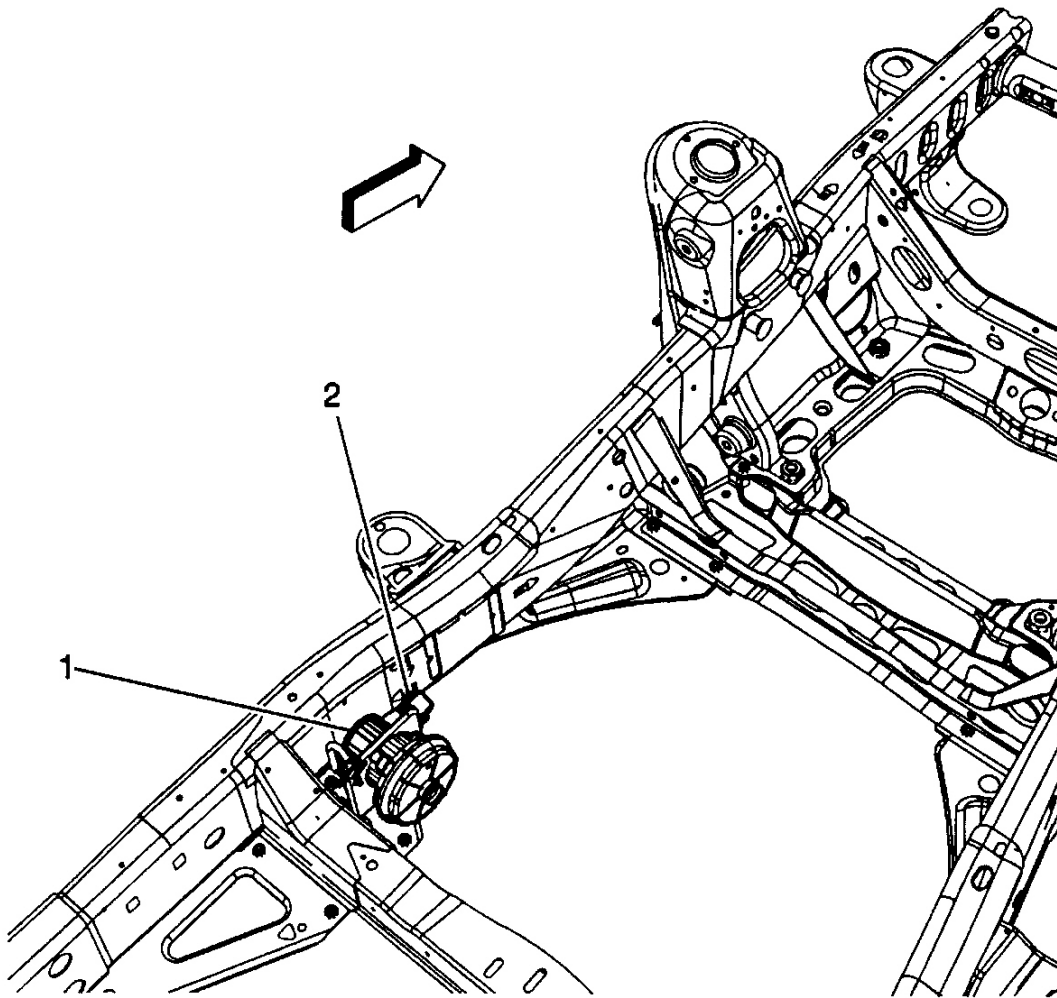


(1) Heated Oxygen Sensor (HO2S) 2

G00364573

**Fig. 132: Right Side Of Transmission**  
**Courtesy of GENERAL MOTORS CORP.**





(1) Secondary Air Injection (AIR) Pump

(2) Secondary Air Injection (AIR) Pump Relay

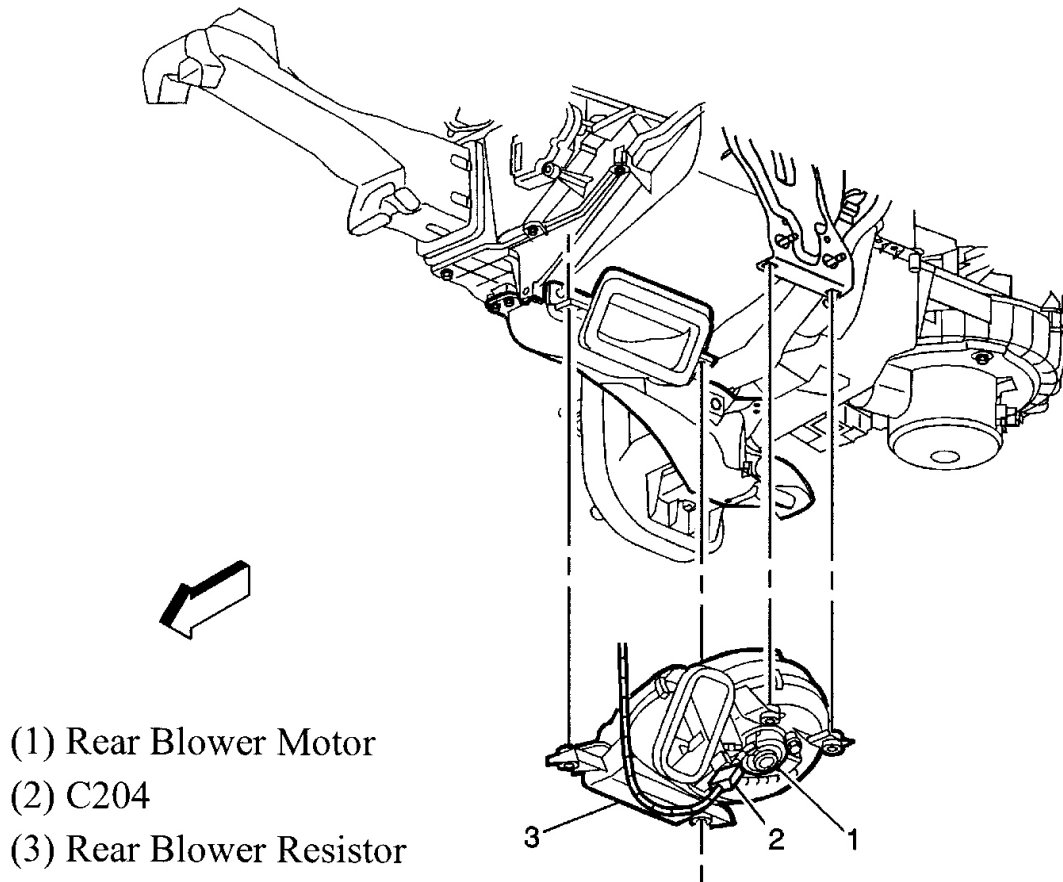
G00364574

**Fig. 133: Left Front Of Chassis**

**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer

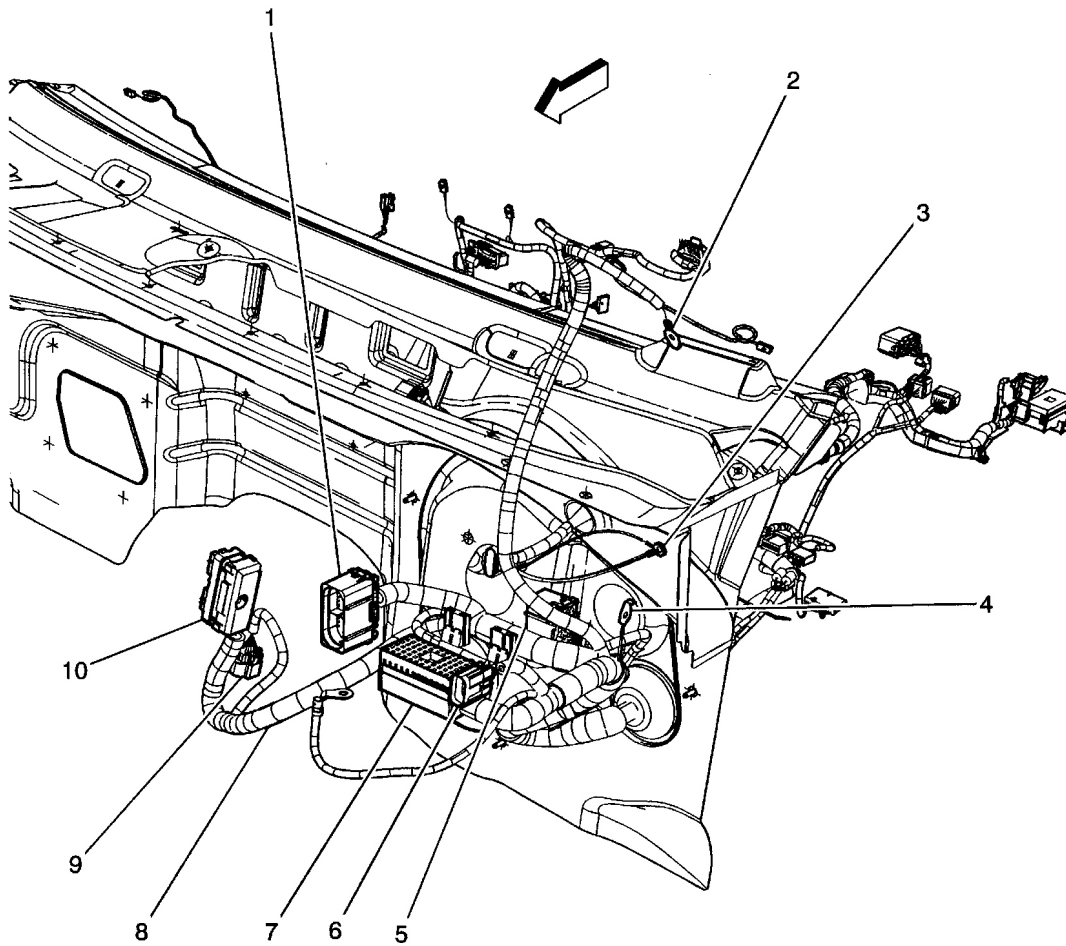


G00421600

**Fig. 134: Center Of Dash**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



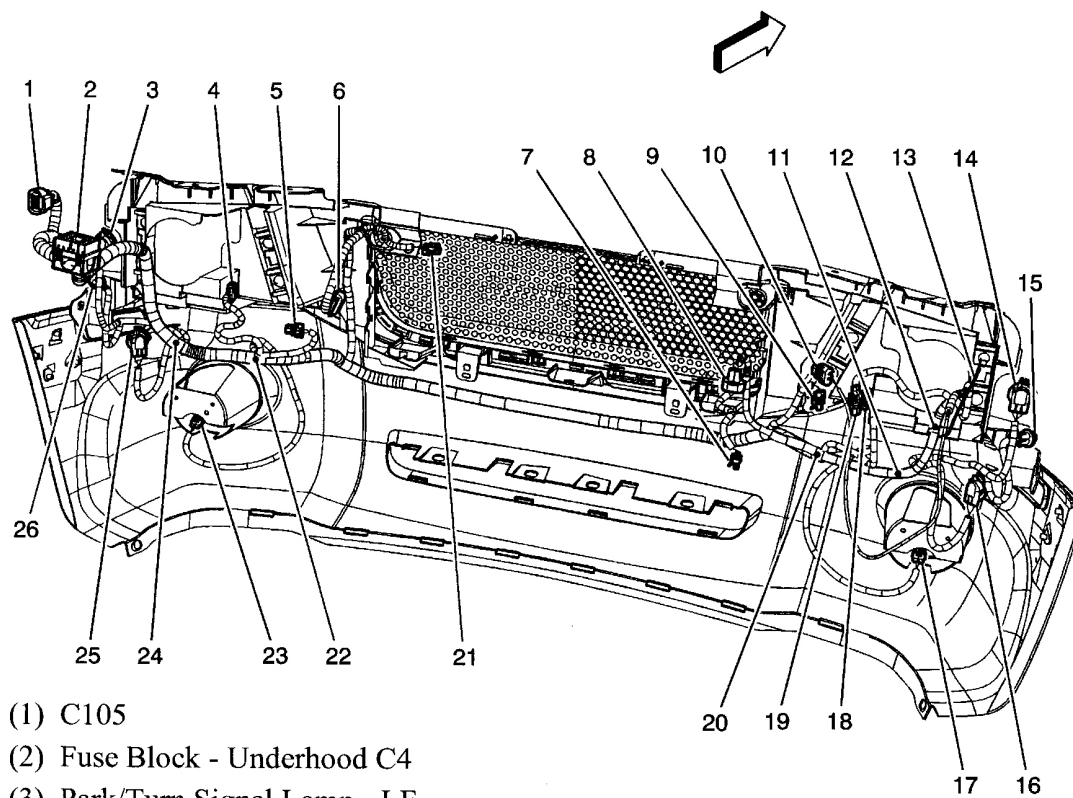
- (1) C101
- (2) G104
- (3) G105
- (4) G102
- (5) C107 (5.3L/6.0L)
- (6) C105
- (7) Fuse Block - Underhood C2
- (8) S117
- (9) C100
- (10) Powertrain Control Module (PCM) C1 (4.2L)

G00421601

**Fig. 135: Rear Of Engine Compartment**  
**Courtesy of GENERAL MOTORS CORP.**

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- (1) C105
- (2) Fuse Block - Underhood C4
- (3) Park/Turn Signal Lamp - LF
- (4) C102
- (5) Horn Assembly
- (6) C118
- (7) Windshield Washer Fluid Level Switch (U68)
- (8) Headlamp Washer Fluid Pump (CE4)

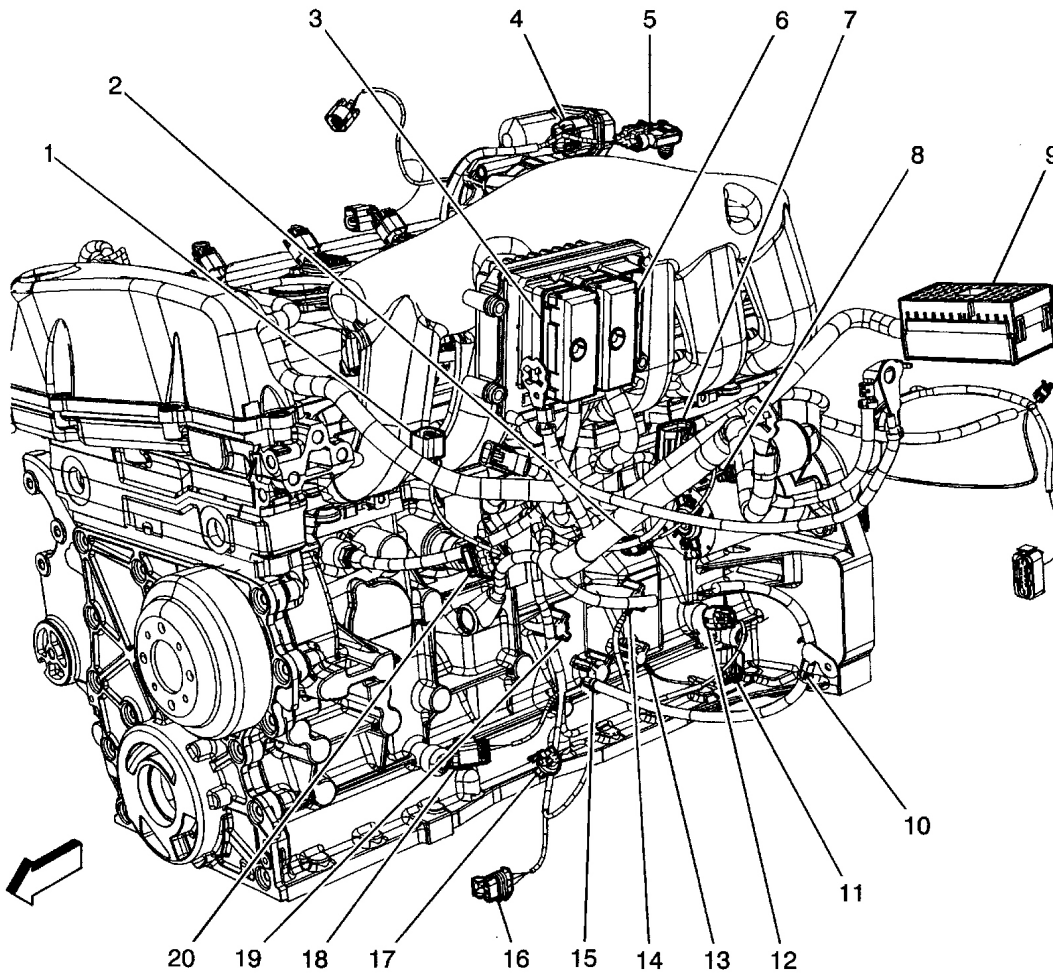
G00421603

**Fig. 136: Rear Of Front Fascia (1 Of 2)**  
**Courtesy of GENERAL MOTORS CORP.**

- (9) Windshield Washer Fluid Pump
- (10) A/C Low Pressure Switch
- (11) S104 (W49)
- (12) S103
- (13) G103
- (14) Park/Turn Signal Lamp - RF
- (15) Marker Lamp -RF
- (16) Cornering Lamp - Right (Z88/W49)
- (17) Fog Lamp - RF
- (18) C103
- (19) Rear Window Washer Fluid Pump
- (20) S113
- (21) Ambient Air Temperature Sensor (CJ3)
- (22) S107
- (23) Fog Lamp - LF
- (24) S106 (W49)
- (25) Cornering Lamp - Left (Z88/W49)
- (26) Marker Lamp - LF

G00421604

Courtesy of GENERAL MOTORS CORP.



- (1) Engine Coolant Temperature (ECT) Sensor
- (2) Evaporative Emission (EVAP) Canister Purge Solenoid
- (3) Powertrain Control Module (PCM) C3
- (4) Throttle Body
- (5) Manifold Absolute Pressure (MAP) Sensor
- (6) Powertrain Control Module (PCM) C2
- (7) C100
- (8) Starter

G00421605

**Fig. 138: Left Side Of Engine (4.2L) (1 Of 2)**  
Courtesy of GENERAL MOTORS CORP.

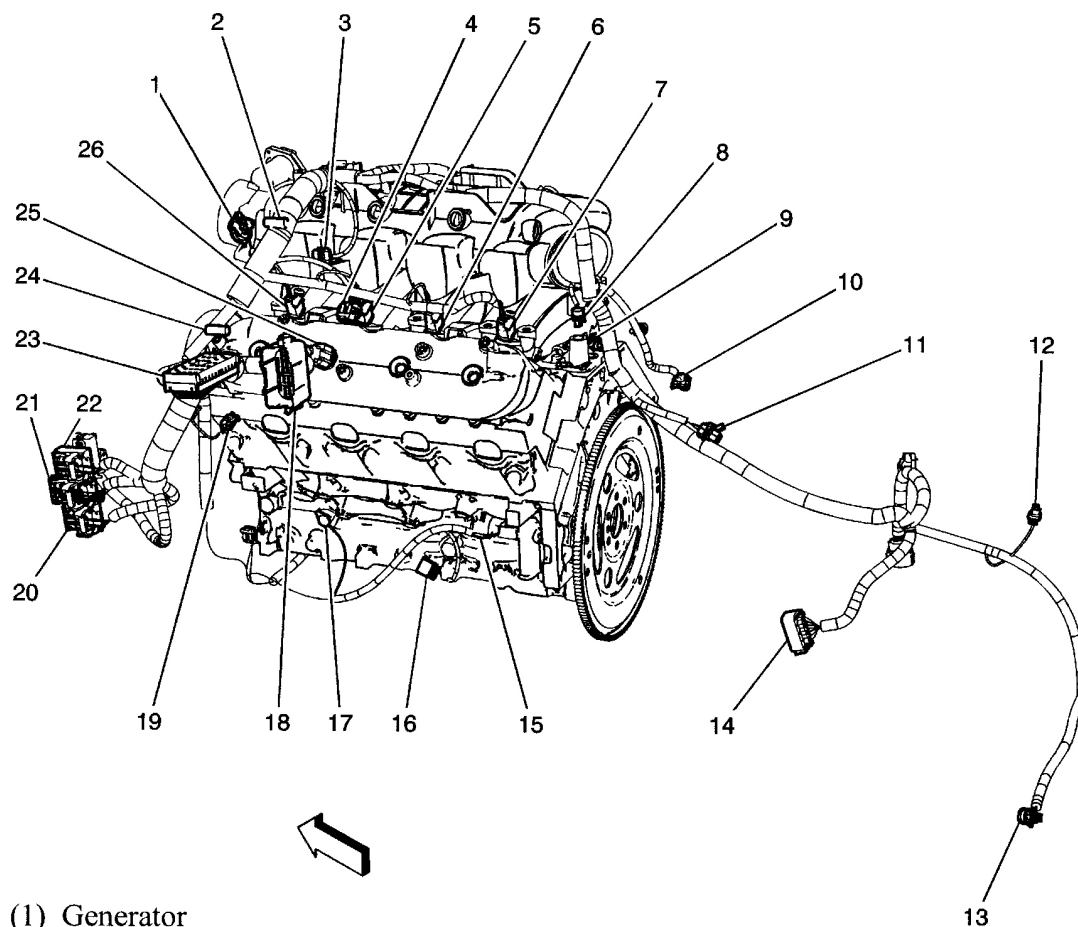
- (9) Fuse Block - Underhood C1
- (10) S110
- (11) Knock Sensor (KS) 2 - Rear
- (12) Crankshaft Position (CKP) Sensor
- (13) G109
- (14) G101
- (15) G110
- (16) A/C Compressor Clutch Assembly
- (17) A/C Refrigerant Pressure Sensor
- (18) Knock Sensor (KS) 1 - Front
- (19) G107
- (20) Generator

G00421606

**Fig. 139: Left Side Of Engine (4.2L) (2 Of 2)**  
**Courtesy of GENERAL MOTORS CORP.**

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2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



- (1) Generator
- (2) S112 (5.3L)
- (3) Evaporative Emission (EVAP) Canister Purge Solenoid
- (4) C109
- (5) Fuel Injector 3
- (6) Fuel Injector 5
- (7) Fuel Injector 7
- (8) Engine Oil Pressure (EOP) Sensor

G00421607

**Fig. 140: Left Side Of Engine (5.3L/6.0L) (1 Of 2)**  
**Courtesy of GENERAL MOTORS CORP.**



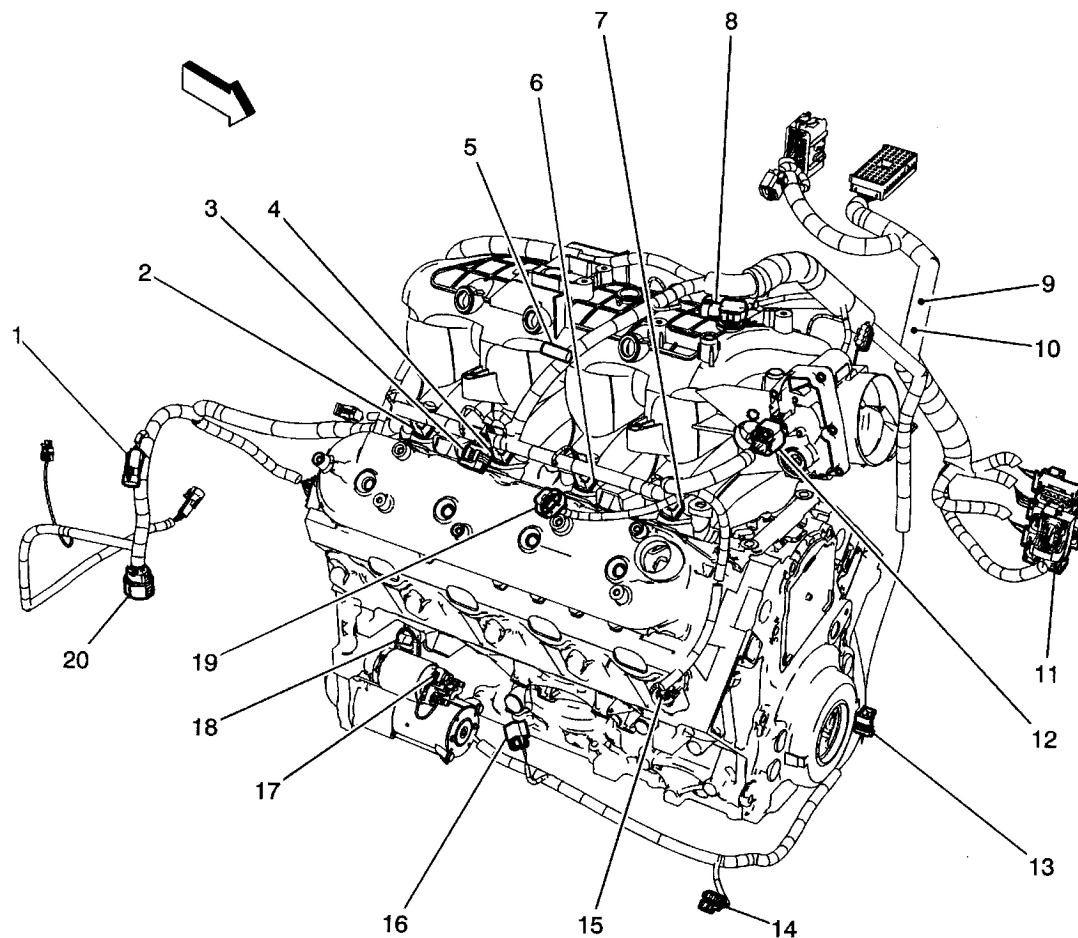
- (9) Valve Lifter Oil Manifold (VLOM) Assembly (5.3L)
- (10) Heated Oxygen Sensor (HO2S) Bank 2 Sensor 2
- (11) Heated Oxygen Sensor (HO2S) Bank 1 Sensor 1
- (12) Vehicle Speed Sensor (VSS) (2WD)/C310 (4WD)
- (13) Heated Oxygen Sensor (HO2S) Bank 1 Sensor 2
- (14) Park/Neutral Position (PNP) Switch
- (15) G107
- (16) Knock Sensor (KS) 1 - Left
- (17) G108
- (18) C107
- (19) Engine Coolant Temperature (ECT) Sensor
- (20) Engine Control Module (ECM) C1
- (21) Engine Control Module (ECM) C2
- (22) Engine Control Module (ECM) C3
- (23) Fuse Block - Underhood C1
- (24) S100
- (25) Brake Booster Vacuum Sensor (5.3L)
- (26) Fuel Injector 1

G00421608

**Fig. 141: Left Side Of Engine (5.3L/6.0L) (2 Of 2)**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



- (1) Heated Oxygen Sensor (HO2S) Bank 2 Sensor 1
- (2) Fuel Injector 8
- (3) C108
- (4) Fuel Injector 6
- (5) S102
- (6) Fuel Injector 4
- (7) Fuel Injector 2
- (8) Manifold Absolute Pressure (MAP) Sensor

G00421609

**Fig. 142: Right Side Of Engine (1 Of 2) (5.3L/6.0L)**  
**Courtesy of GENERAL MOTORS CORP.**

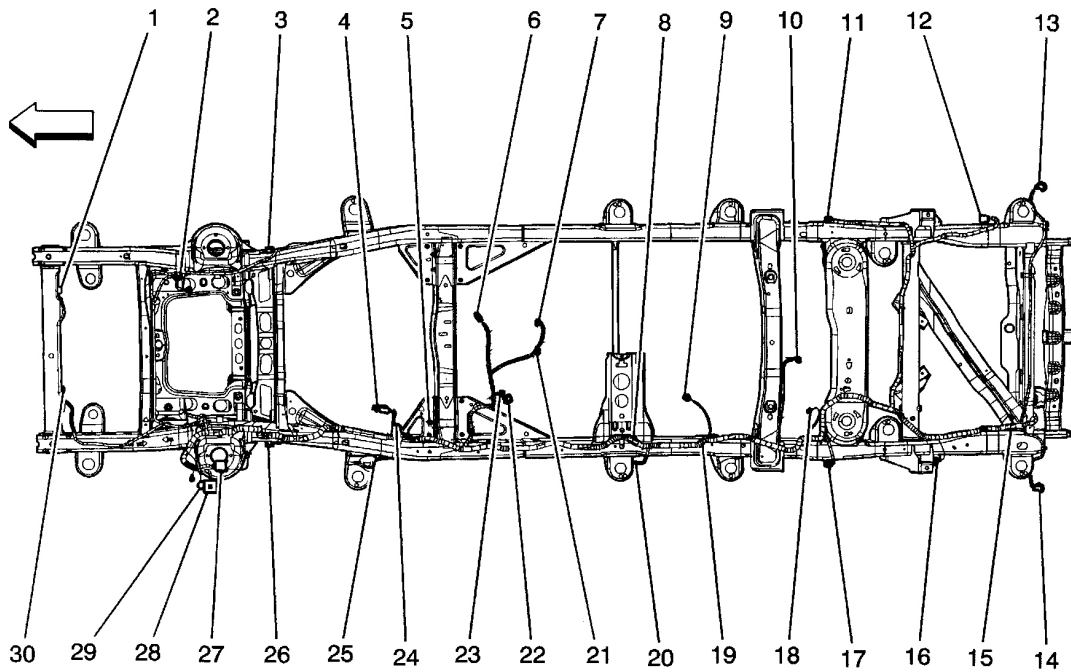
- (9) S105
- (10) S101
- (11) Transmission Control Module (TCM)
- (12) Throttle Body
- (13) C110
- (14) A/C Compressor Clutch Assembly
- (15) A/C Refrigerant Pressure Sensor
- (16) Knock Sensor (KS) 2 - Right
- (17) Starter
- (18) Crankshaft Position (CKP) Sensor
- (19) Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor
- (20) C175

G00421610

**Fig. 143: Right Side Of Engine (2 Of 2) (5.3L/6.0L)**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



- (1) Electronic Frontal Sensor (EFS) - Right
- (2) Front Axle Actuator (NP8)
- (3) Wheel Speed Sensor - RF
- (4) Electronic Brake Control Module (EBCM)
- (5) Secondary Air Injection (AIR) Pump (4.2L w/K18)
- (6) C310 (4WD)
- (7) Vehicle Speed Sensor (VSS) (4WD)
- (8) S306

G00421611

**Fig. 144: Chassis (Short Wheel Base) (1 Of 2)**  
**Courtesy of GENERAL MOTORS CORP.**

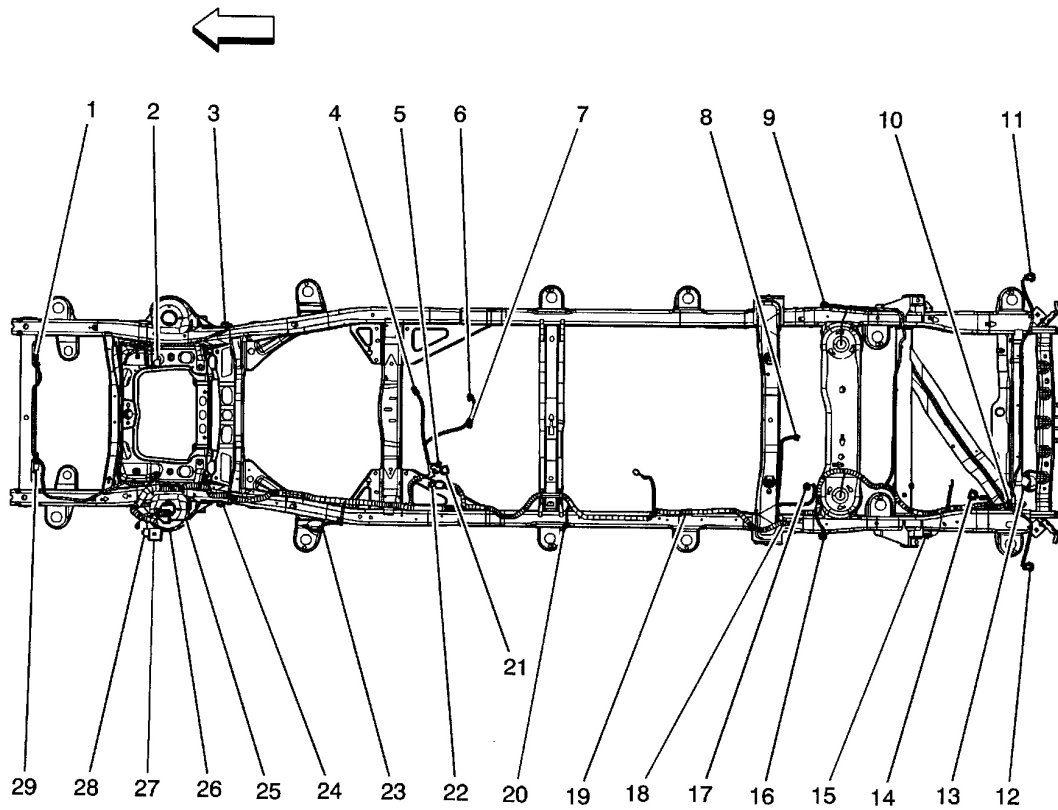
- (9) Fuel Pump and Sender Assembly
- (10) Evaporative Emission (EVAP) Canister Vent Solenoid
- (11) Air Suspension Sensor - RR (G67)
- (12) Air Suspension Compressor Assembly C1 (G67)
- (13) Backup Lamp - Right (Z88)
- (14) Backup Lamp - Left (Z88)
- (15) S408 (Z88)
- (16) G403
- (17) Air Suspension Sensor - LR (G67)
- (18) Fuel Tank Pressure (FTP) Sensor
- (19) S359 (5.3L/6.0L)
- (20) G305
- (21) Propshaft Speed Sensor - Rear
- (22) Transfer Case Encoder Motor (4WD)
- (23) Propshaft Speed Sensor - Front
- (24) Secondary Air Injection (AIR) Pump Relay (4.2L w/K18)
- (25) G304
- (26) Wheel Speed Sensor - LF
- (27) C101
- (28) Fuse Block - Underhood C3
- (29) Fuse Block - Underhood C7
- (30) Electronic Frontal Sensor (EFS) - Left

G00421612

**Fig. 145: Chassis (Short Wheel Base) (2 Of 2)**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



- (1) Electronic Frontal Sensor (EFS) - Right
- (2) Front Axle Actuator (NP8)
- (3) Wheel Speed Sensor - RF
- (4) C310 (4WD)
- (5) Propshaft Speed Sensor - Front
- (6) Propshaft Speed Sensor - Rear
- (7) Vehicle Speed Sensor (VSS) (4WD)
- (8) Fuel Pump and Sender Assembly

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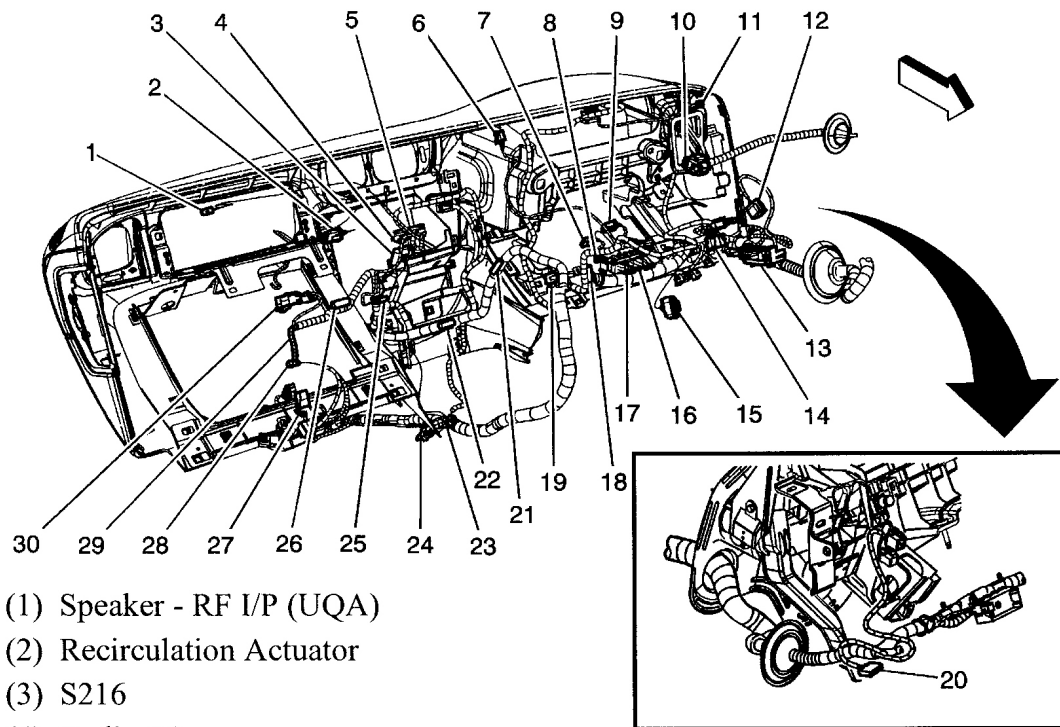
**Fig. 146: Chassis (Long Wheel Base) (1 Of 2)**  
**Courtesy of GENERAL MOTORS CORP.**

- (9) Air Suspension Sensor - RR (G67)
- (10) S408 (Z88)
- (11) Backup Lamp - Right (Z88)
- (12) Backup Lamp - Left (Z88)
- (13) Trailer Connector
- (14) Air Suspension Compressor Assembly C1 (G67)
- (15) G403
- (16) Air Suspension Sensor - LR (G67)
- (17) Fuel Tank Pressure (FTP) Sensor
- (18) S306
- (19) S359 (5.3L/6.0L)
- (20) G305
- (21) Transfer Case Encoder Motor (4WD)
- (22) Electronic Brake Control Module (EBCM)
- (23) G304
- (24) Wheel Speed Sensor - LF
- (25) Brake Fluid Level Switch
- (26) C101
- (27) Fuse Block - Underhood C3
- (28) Fuse Block - Underhood C7
- (29) Electronic Frontal Sensor (EFS) - Left

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## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



- (1) Speaker - RF I/P (UQA)
- (2) Recirculation Actuator
- (3) S216
- (4) Radio C2
- (5) Radio C1
- (6) Ambient Light Sensor (CJ3)/Ambient Light/Sunload Sensor Assembly (CJ2)
- (7) Mode Actuator
- (8) Air Temperature Sensor - Lower Left (CJ2)
- (9) Defrost Actuator
- (10) Windsheild Wiper motor
- (11) Speaker - LF I/P (UQA)
- (12) C225 (JF4)
- (13) Turn Signal/Hazard Flasher Module
- (14) Stop Lamp Switch
- (15) Accelerator Pedal Position (APP) Sensor

G00421615

**Fig. 148: Rear Of Dash (1 Of 2)**  
**Courtesy of GENERAL MOTORS CORP.**



## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer

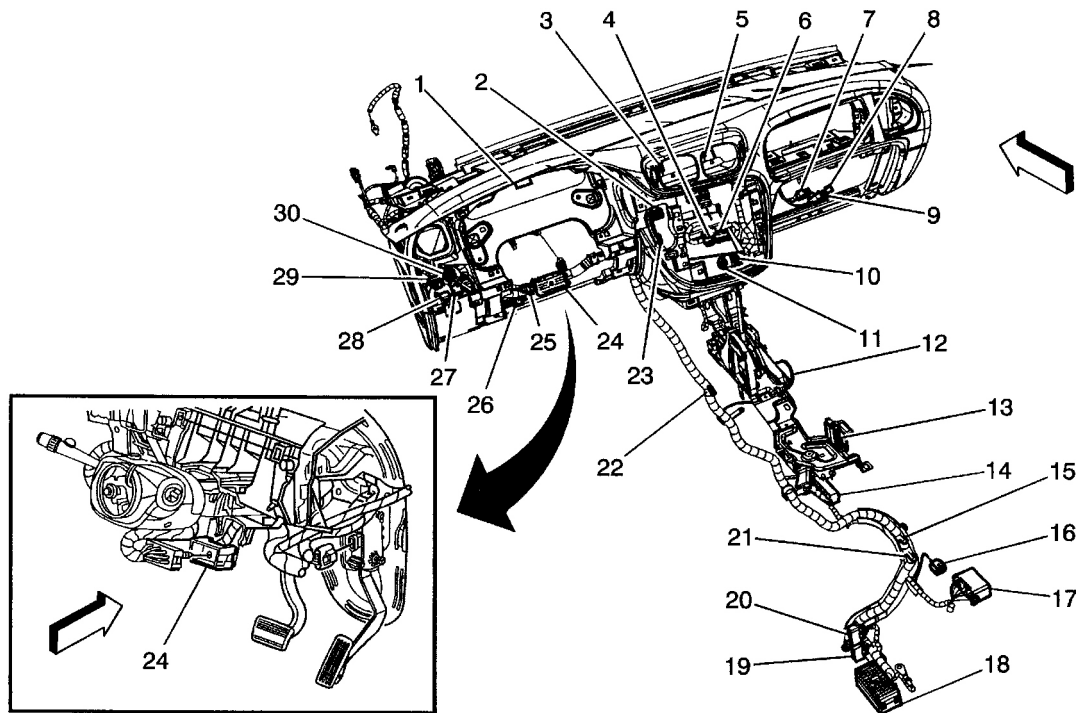
- (16) S239
- (17) S202
- (18) S217
- (19) Air Temperature Actuator - Right
- (20) Splice Pack SP205
- (21) S211
- (22) S230
- (23) Air Temperature Sensor - Lower Right (CJ2)
- (24) Splice Pack SP201
- (25) Air Temperature Actuator - Right
- (26) S271 (CJ2)
- (27) Blower Motor Resistor Assembly (CJ3)/Blower Motor Control Module (CJ2)
- (28) S250 (CJ3)
- (29) S201 (CJ3)
- (30) Inflatable Restraint I/P Module

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**Fig. 149: Rear Of Dash (2 Of 2)**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



- (1) Instrument Panel Cluster
- (2) Transfer Case Shift Control Switch (NP8)
- (3) Air Temperature Sensor - Upper Left (CJ2)
- (4) HVAC Control Module C2
- (5) Air Temperature Sensor - Upper Right (CJ2)
- (6) HVAC Control Module C1
- (7) C221 (U42/U2K)
- (8) C202
- (9) C203 (ASF)
- (10) Auxiliary Power Outlet - Front
- (11) Cigar Lighter
- (12) C300
- (13) C307
- (14) Inflatable Restraint Sensing and Diagnostic Module (SDM)
- (15) S220

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**Fig. 150: Dash (1 Of 2)**  
**Courtesy of GENERAL MOTORS CORP.**

- (16) Rollover Sensor
- (17) C304
- (18) Fuse Block - Rear C1
- (19) Body Control Module (BCM) C1
- (20) Body Control Module (BCM) C2
- (21) S203
- (22) S320
- (23) Rear Window Wiper/Washer Switch
- (24) C201
- (25) C275
- (26) Data Link Connector (DLC)
- (27) Transfer Case Shift Control Module C2 (4WD)
- (28) Transfer Case Shift Control Module C3 (4WD)
- (29) Headlamp Switch C1
- (30) Headlamp Switch C2

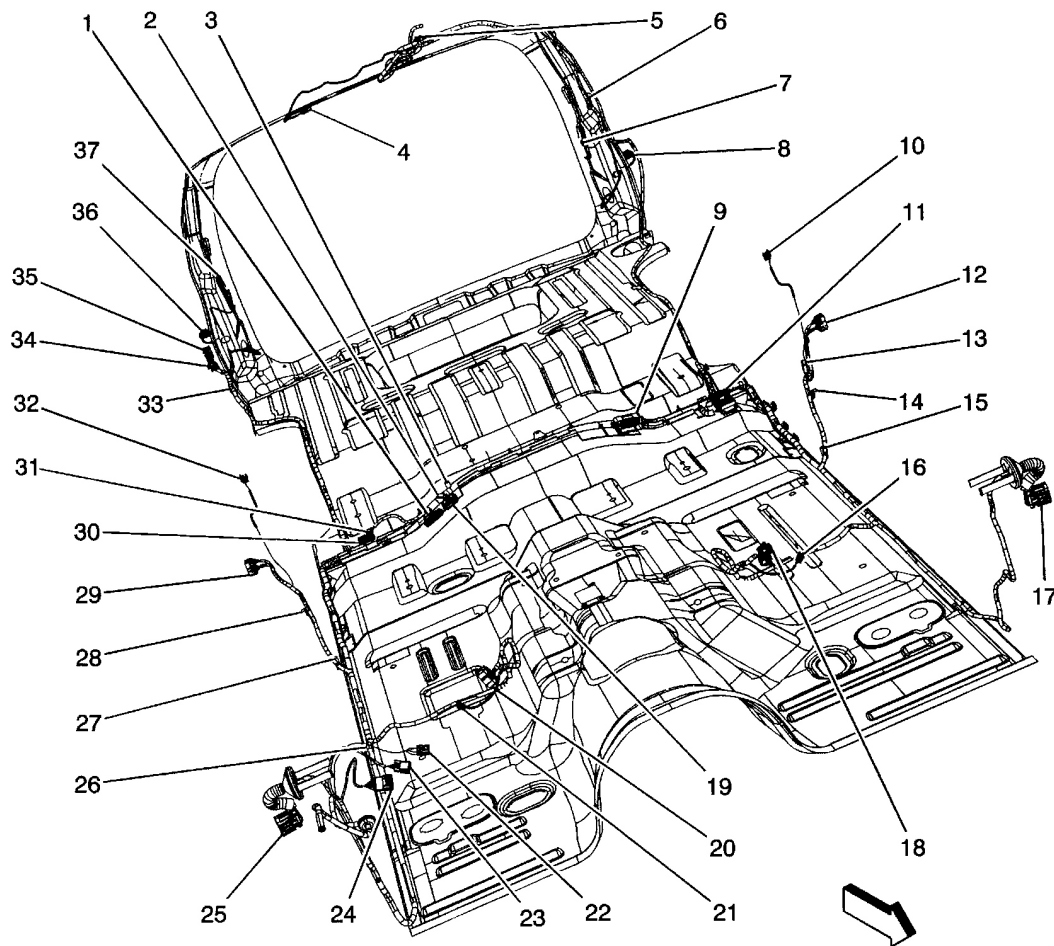
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**Fig. 151: Dash (2 Of 2)**

**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



- (1) Splice Pack SP306
- (2) S374 (BAE)
- (3) S362 (BAE)
- (4) Center High Mounted Stop Lamp (CHMSL)
- (5) C900
- (6) S401
- (7) G401
- (8) Tail Lamp Circuit Board - Left

G00421619

**Fig. 152: Passenger Compartment (Short Wheel Base) (1 Of 2)**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer

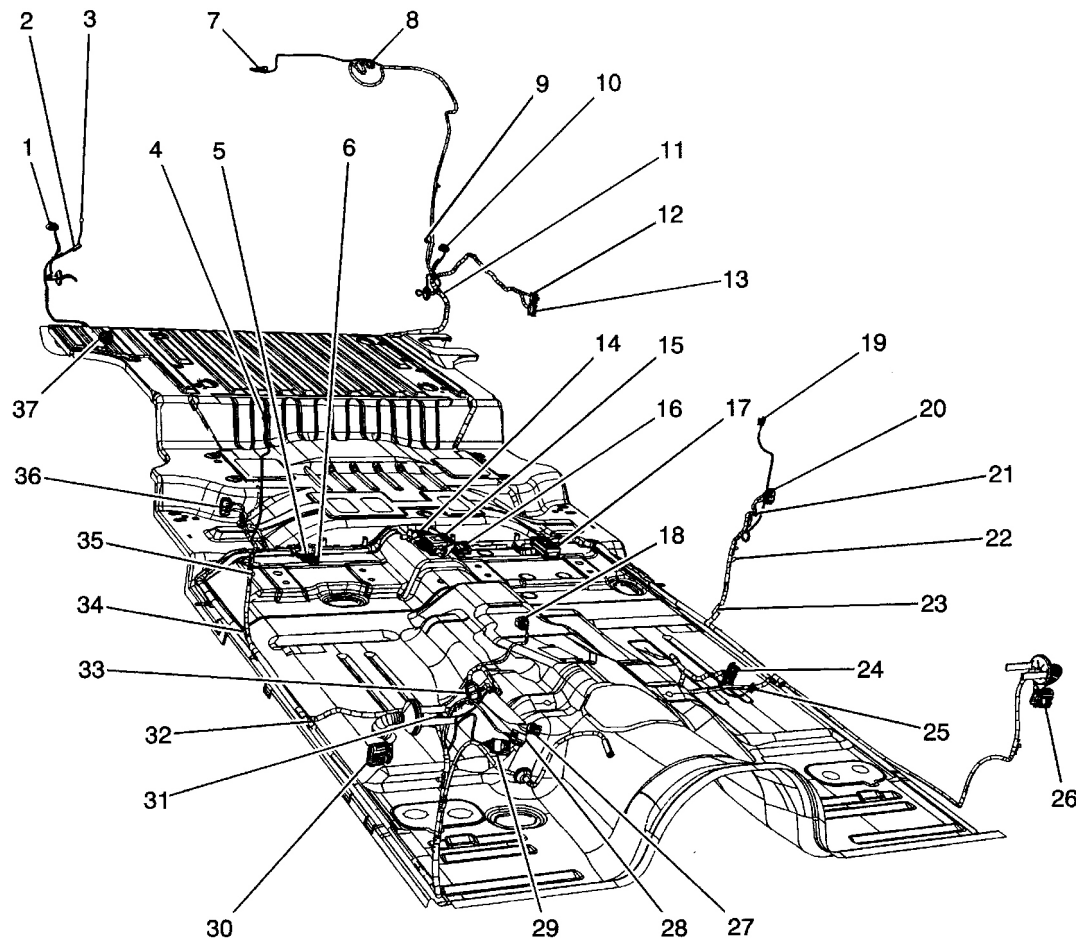
- (9) C304
- (10) Inflatable Restraint Roof Rail Module - Left
- (11) Fuse Block - Rear C2
- (12) C700
- (13) Air Temperature Sensor Assembly - Inside (CJ2)
- (14) G302
- (15) S302
- (16) C317
- (17) C500
- (18) C311
- (19) C306
- (20) C314
- (21) C318
- (22) C203 (ASF)
- (23) C202
- (24) C220 (U42)
- (25) C600
- (26) S310
- (27) S303
- (28) G303
- (29) C800
- (30) Vehicle Communication Interface Module (VCIM) (UE1) C1
- (31) Vehicle Communication Interface Module (VCIM) (UE1) C2
- (32) Inflatable Restraint Roof Rail Module - Right
- (33) S402
- (34) Audio Amplifier (UQA) C2
- (35) Audio Amplifier (UQA) C1
- (36) Tail Lamp Circuit Board - Right
- (37) G402

G00421620

**Fig. 153: Passenger Compartment (Short Wheel Base) (2 Of 2)**  
**Courtesy of GENERAL MOTORS CORP.**

## 2006 Buick Rainier

2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer



- (1) Tail Lamp Circuit Board - Right
- (2) S402
- (3) G402
- (4) Inflatable Restraint Roof Rail Module - Right
- (5) Vehicle Communication Interface Module (VCIM) (UE1) C1
- (6) Vehicle Communication Interface Module (VCIM) (UE1) C2
- (7) Center High Mounted Stop Lamp (CHMSL)
- (8) C900

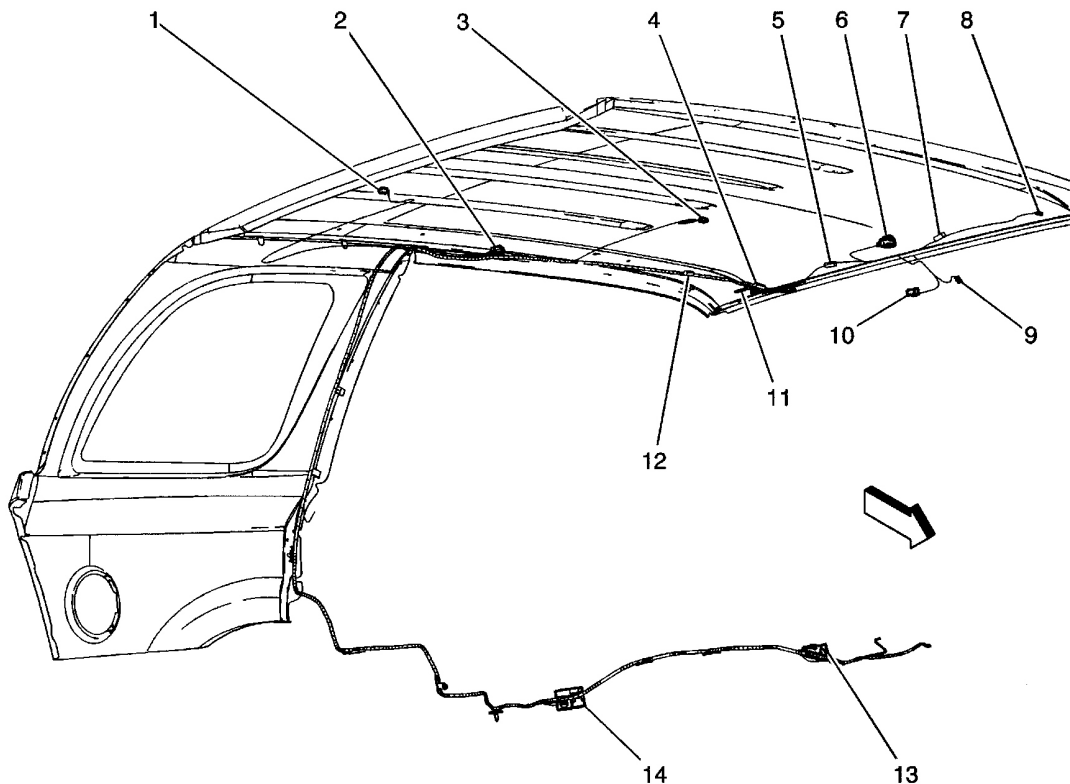
G00421621

**Fig. 154: Passenger Compartment (Long Wheel Base) (1 Of 2)**  
**Courtesy of GENERAL MOTORS CORP.**

<b>2006 Buick Rainier</b>
2006 GENERAL MOTORS Envoy, Envoy XL, Rainier & TrailBlazer

- (9) G401
- (10) Tail Lamp Circuit Board - Left
- (11) S401
- (12) Audio Amplifier (UQA) C1
- (13) Audio Amplifier (UQA) C2
- (14) Splice Pack SP306
- (15) C304
- (16) C306
- (17) Fuse Block - Rear C2
- (18) C309
- (19) Inflatable Restraint Roof Rail Module - Left
- (20) C700
- (21) Air Temperature Sensor Assembly - Inside (CJ2)
- (22) G302
- (23) S302
- (24) C311
- (25) C317
- (26) C500
- (27) C202
- (28) C203 (ASF)
- (29) C220 (U42)
- (30) C600
- (31) C318
- (32) S310
- (33) C314
- (34) S303
- (35) G303
- (36) C800
- (37) C401

**Fig. 155: Passenger Compartment (Long Wheel Base) (2 Of 2)**  
**Courtesy of GENERAL MOTORS CORP.**

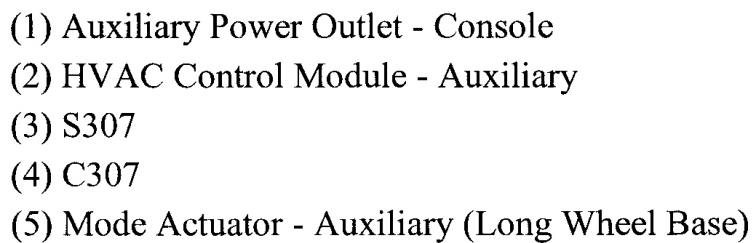


- |                                      |                                      |
|--------------------------------------|--------------------------------------|
| (1) Cargo Lamp                       | (9) Outside Moisture Sensor (CE1)    |
| (2) C308 (CF5)                       | (10) Inside Rearview Mirror          |
| (3) Courtesy/Reading Lamp - Center   | (11) Vanity Mirror Lamp - Left (DH2) |
| (4) S390                             | (12) S312                            |
| (5) S331                             | (13) C306                            |
| (6) C305                             | (14) Fuse Block - Underhood C3       |
| (7) S322                             |                                      |
| (8) Vanity Mirror Lamp - Right (DH2) |                                      |

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**Fig. 156: Roof**  
**Courtesy of GENERAL MOTORS CORP.**





**Fig. 157: Under Floor Console**  
**Courtesy of GENERAL MOTORS CORP.**