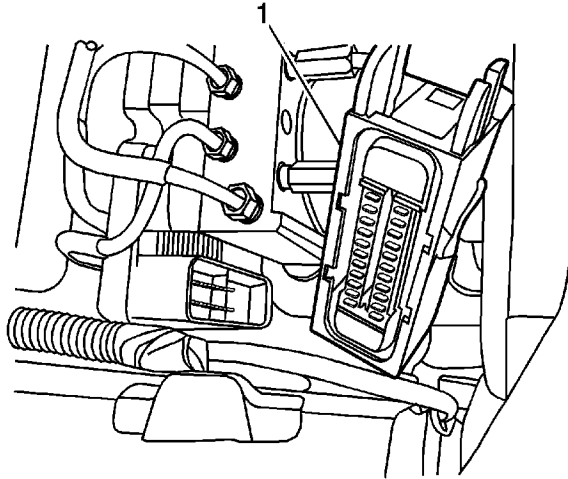


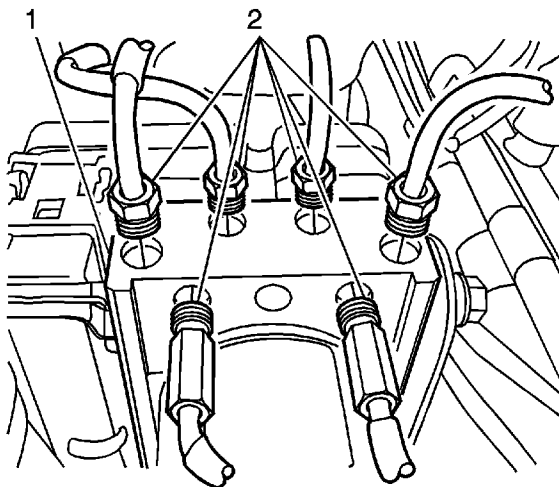
Brake Pressure Modulator Valve Assembly Replacement

Removal Procedure

Warning: Refer to [Battery Disconnect Warning](#) in the Preface section.



1. Disconnect the negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#).
2. Disconnect the electronic brake control module (EBCM) connector (1).

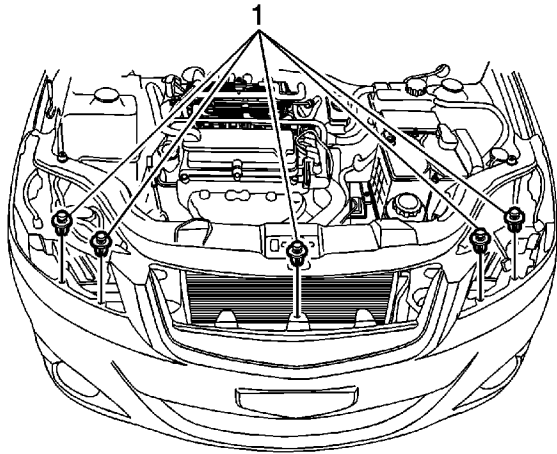


Front Bumper Fascia Replacement (Hatchback)

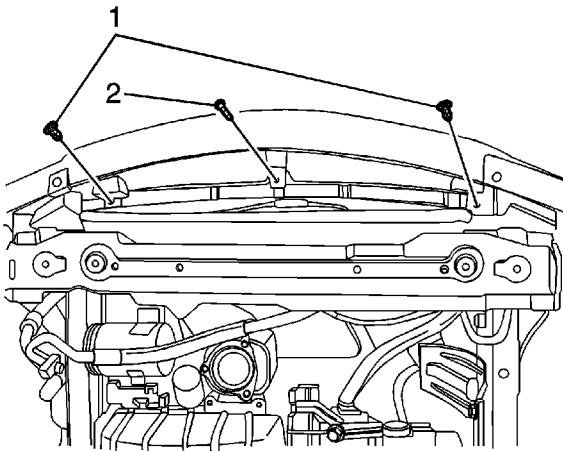
Removal Procedure

Warning: Refer to [Battery Disconnect Warning](#) in the Preface section.

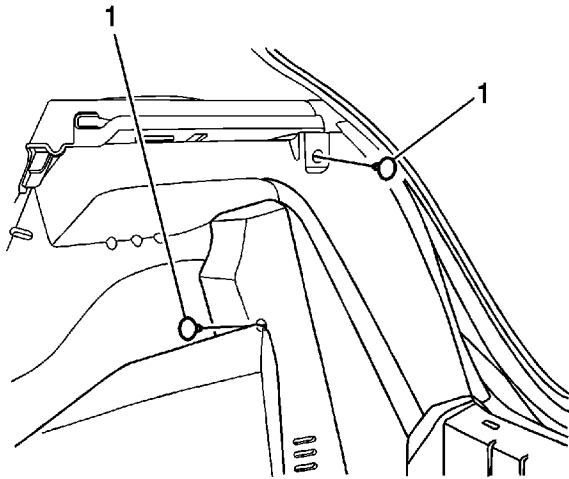
1. Disconnect the negative battery cable.
2. Remove the necessary screws, bolts, and nuts, from the front wheel well splash shields.
3. Remove the headlamps. Refer to [Headlamp Replacement](#).
4. Remove the fascia grille. Refer to [Fascia Grille Replacement](#).



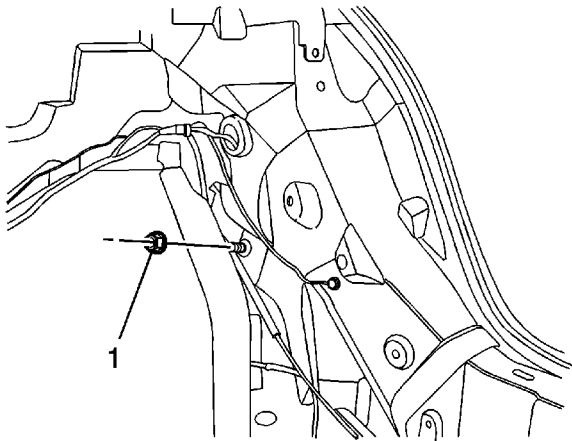
5. Remove the clips (1) from the top of the front fascia.



7. Remove the clips (1) from the rear sill trim (2).
8. Remove the rear sill trim panel (2).

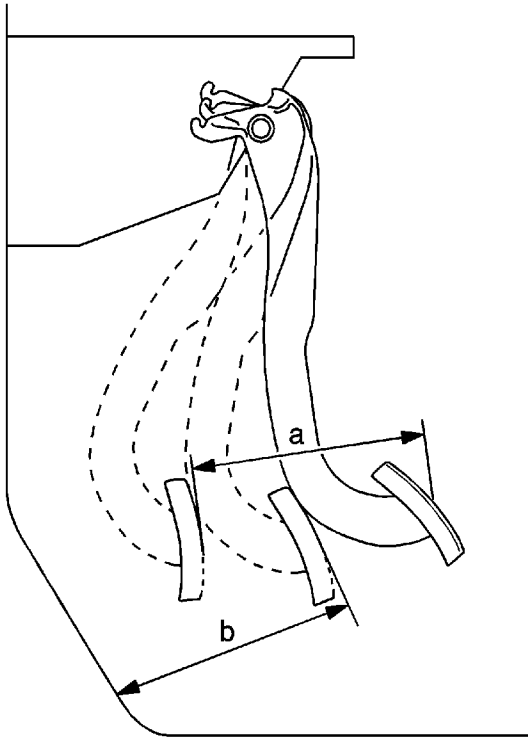


9. Remove the rear side panel trim clips (1) and screw.



10. Remove the rear bumper fascia-to-lower back panel nut through the gap between the rear side panel trim and the lower back panel.

Clutch Pedal Free Travel Adjustment (Cable)



This cable type of clutch engagement/disengagement system is designed to have no free travel in the clutch pedal. Adjust the clutch cable adjusting nut until the below specifications are met:

Specifications

- Clutch pedal travel for disengagement (a): Pedal Travel 120-130 mm (4.7-5.1 in)
- Clearance between clutch pedal and floor just before clutch engagement (b): Clearance between pedal and floor just before clutch connection 50-60 mm (1.9-2.3 in)

Warning: When performing this check, the vehicle could move suddenly. Personal injury or property damage may result. Make sure there is enough room around the vehicle, in case the vehicle does move. Do not use the accelerator pedal, and be ready to turn OFF the engine immediately if it starts.

After starting the engine, Inspect if the clearance between pedal and floor is within specified range. If the clutch adjustments cannot be obtained, Inspect for interference of the clutch pedal. If no interference or obstructions are found, the clutch cable may be worn and require replacement.

Temperature Versus Resistance

°C	°F	ECT Ohms	IAT Ohms
Temperature vs Resistance Values (Approximate)			
100	212	177	187
90	194	241	246
80	176	332	327
70	158	467	441
60	140	667	603
50	122	973	837
45	113	1188	991
40	104	1459	1180
35	95	1802	1412
30	86	2238	1700
25	77	2796	2055
20	68	3520	2500
15	59	4450	3055
10	50	5670	3760
5	41	7280	4651
0	32	9420	5800
-5	23	12300	7273
-10	14	16180	9200
-15	5	21450	9200
-20	-4	28680	15080
-30	-22	52700	25600
-40	-40	100700	45300

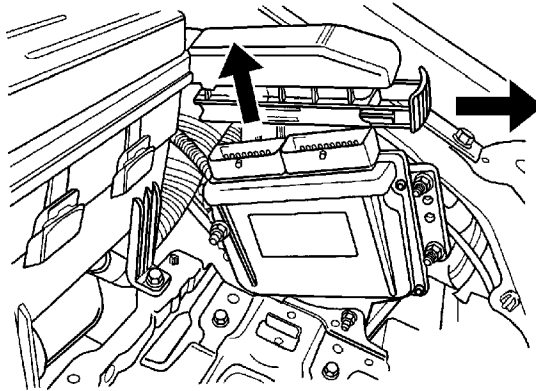
Altitude Versus Barometric Pressure

Altitude Measured in Meters (m)	Altitude Measured in Feet (ft)	Barometric Pressure Measured in Kilopascals (kPa)
Determine your altitude by contacting a local weather station or by using another reference source.		
4 267	14,000	56-64
3 962	13,000	58-66
3 658	12,000	61-69
3 353	11,000	64-72
3 048	10,000	66-74
2 743	9,000	69-77
2 438	8,000	71-79
2 134	7,000	74-82
1 829	6,000	77-85
1 524	5,000	80-88
1 219	4,000	83-91
914	3,000	87-95
610	2,000	90-98
305	1,000	94-102
0	0 Sea Level	96-104
-305	-1,000	101-105

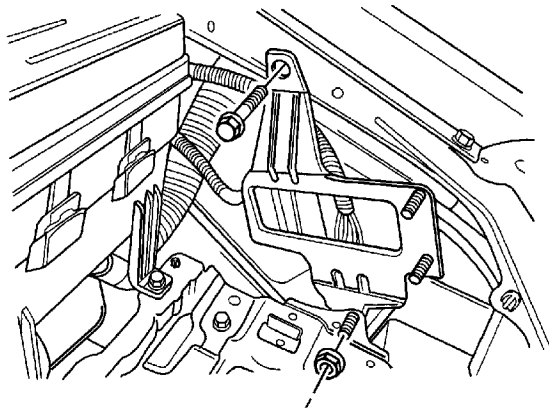
Engine Control Module Replacement

Removal Procedure

Warning: Refer to [Battery Disconnect Warning](#) in the Preface section.



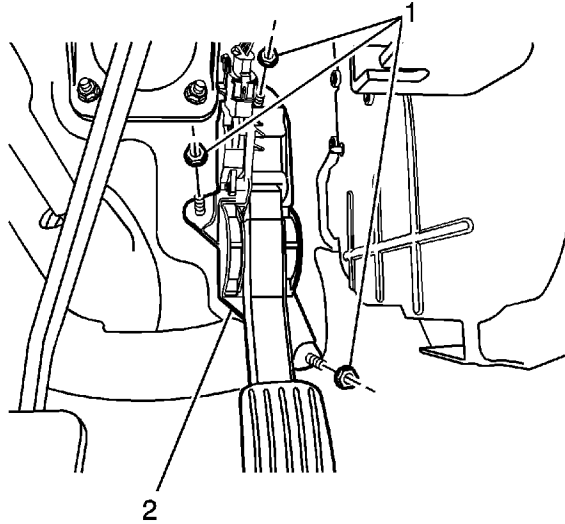
1. Disconnect the negative battery cable.
2. Disconnect the engine control module (ECM) wiring harness connector.
3. Remove the nuts from the ECM mounting bracket.



Accelerator Pedal Position Sensor Replacement

Removal Procedure

Warning: Refer to [Battery Disconnect Warning](#) in the Preface section.

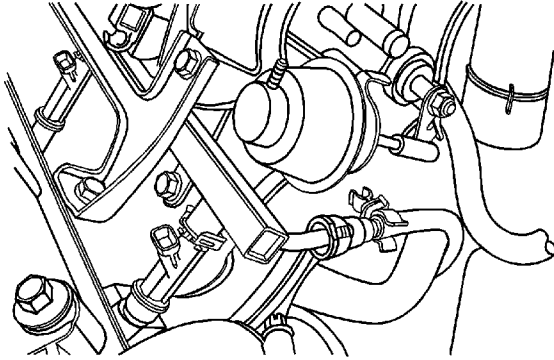


1. Disconnect the negative battery cable.
2. Disconnect the electronic throttle control (ETC) connector from the accelerator pedal.
3. Remove the 3 accelerator pedal retaining nuts.
4. Remove the accelerator pedal.

Installation Procedure

Intake Manifold Tuning Valve Actuator Replacement

Removal Procedure



1. Disconnect the vacuum hose from the intake manifold tuning (IMT) valve actuator valve.

Note: Ensure the IMT valve is closed before removing the IMT valve actuator retaining bolts and valve.

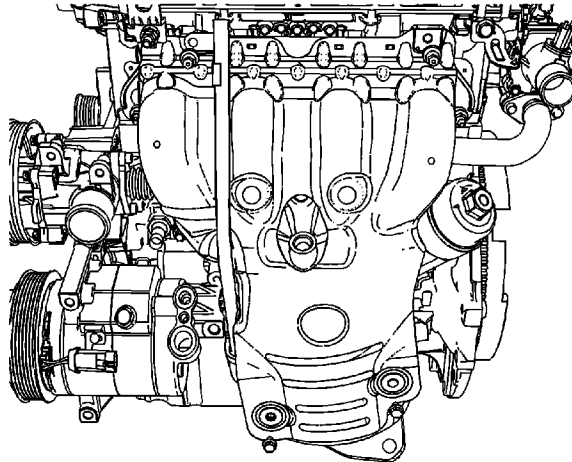
2. Remove the IMT valve actuator valve bolts.
3. Remove the IMT valve actuator valve from the IMT valve.

Installation Procedure

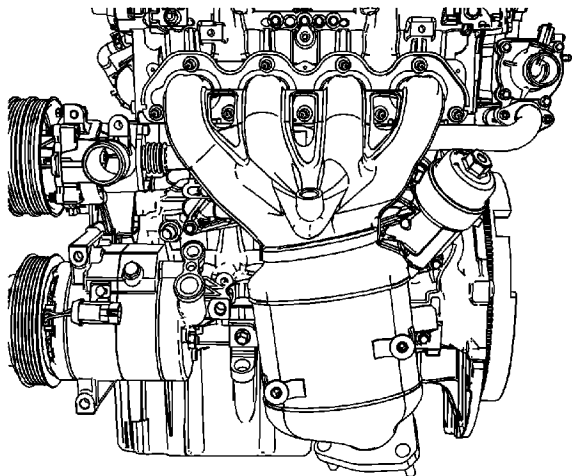
Exhaust Manifold Replacement (1.4L)

Removal Procedure

Warning: Refer to [Battery Disconnect Warning](#) in the Preface section.

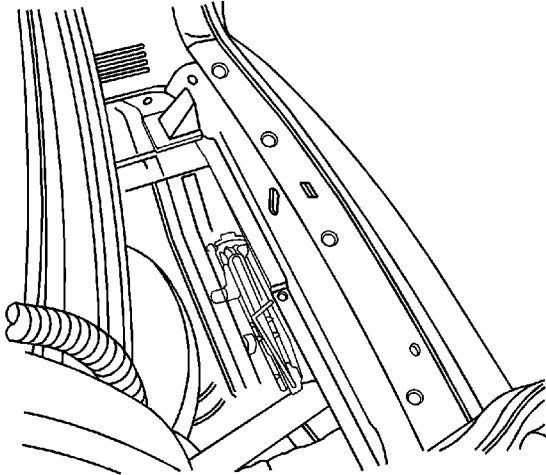


1. Disconnect the battery negative cable. Refer to [Battery Negative Cable Disconnection and Connection](#)
2. Disconnect the upper oxygen sensor connector.
3. Remove the exhaust manifold heat shield with engine oil indicator tube.
4. Remove the exhaust front pipe. Refer to [Front Pipe Replacement](#).



Rear Compartment Trim Panel Replacement (Hatchback)

Removal Procedure



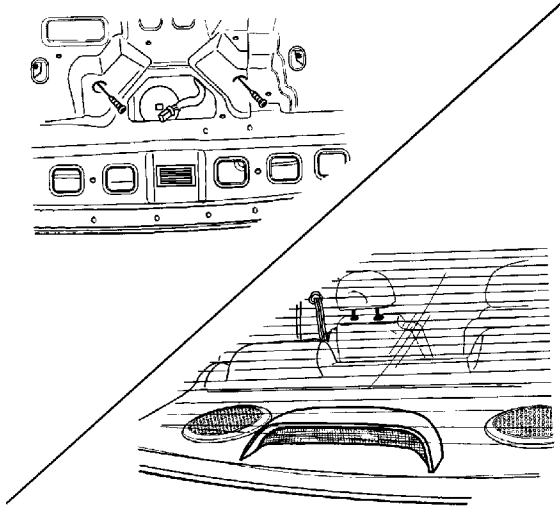
Remove the plastic retaining clips and the rear trim panel.

Installation Procedure

High Mount Stop Lamp Replacement (Notchback)

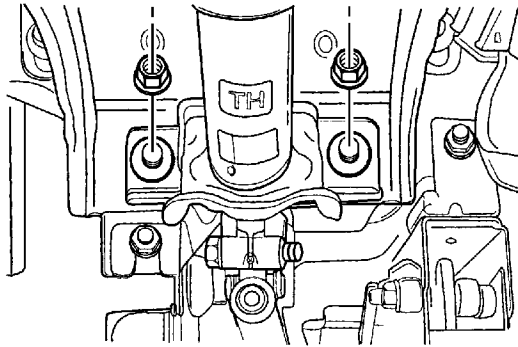
Removal Procedure

Warning: Refer to [Battery Disconnect Warning](#) in the Preface section.

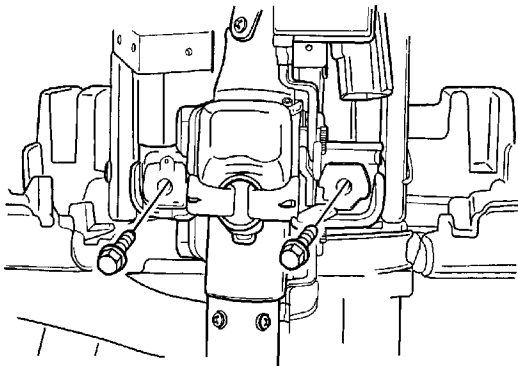


1. Disconnect the negative battery cable.
2. Open the rear deck lid.
3. Remove the screws and the center high-mounted stop lamp (CHMSL).
4. Remove the CHMSL bulb.

Installation Procedure



16. Remove the nuts holding the steering column jacket assembly rear bracket.



17. Remove the bolts holding the steering column jacket assembly front bracket.

Notice: Once the steering column is removed from the vehicle, the column is extremely susceptible to damage. Dropping the column assembly on the end could collapse the steering shaft or loosen the plastic injections, which maintain column rigidity. Leaning on the column assembly could cause the jacket to bend or deform. Any of the above damage could impair the column's collapsible design. Do NOT hammer on the end of the shaft, because hammering could loosen the plastic injections, which maintain column rigidity. If you need to remove the steering wheel, refer to the Steering Wheel Replacement procedure in this section.

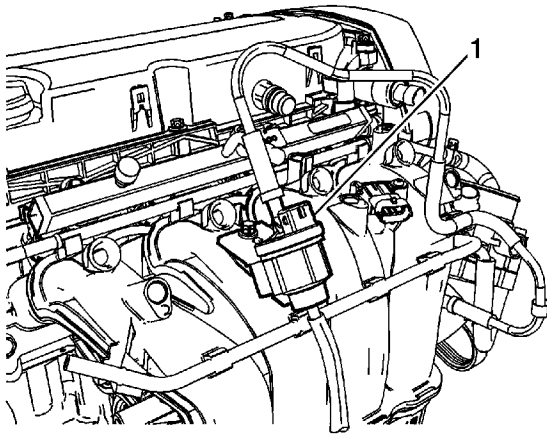
18. Guide the steering column assembly out of the steering shaft flange and carefully lay down the assembly.

Evaporative Emission Canister Purge Solenoid Valve Replacement

Removal Procedure

Warning: Refer to [Battery Disconnect Warning](#) in the Preface section.

Caution: Refer to [Fuel Pressure Caution](#) in the Preface section.



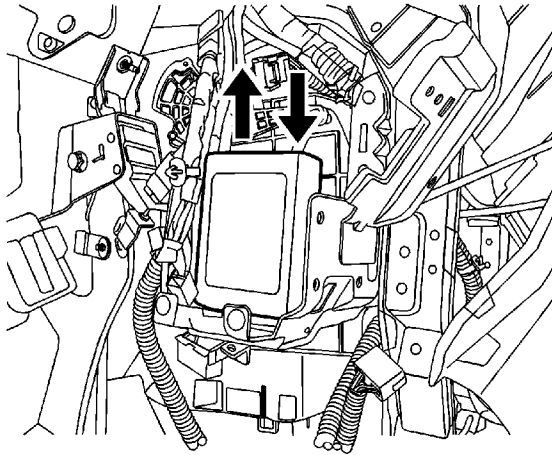
1. Disconnect the battery negative cable. Refer to [Battery Negative Cable Disconnection and Connection](#).
2. Disconnect the EVAP canister purge valve upper and lower hoses.
3. Disconnect the EVAP canister purge valve connector.
4. Detach the EVAP canister purge valve (1).

Installation Procedure

Remote Control Door Lock Receiver Replacement (Notchback)

Removal Procedure

Caution: Refer to [Battery Disconnect Caution](#) in the Preface section.



Important: Remote keyless transmitters must be programmed when remote control module/receiver is replaced.

1. Disconnect the negative battery cable.
2. Separate the hood release cable from the hood latch release handle.
3. Carefully pull the instrument panel under cover until the mounting clips are released and the instrument panel under the cover.
4. Remove the bolts from the driver's side knee bolster.
5. Disconnect the control module/receiver electrical connector.
6. Slide the control module/receiver away from its mounting bracket.

Installation Procedure