

CADILLAC

1998-2001 Catera

PRECAUTIONS

Warning: Batteries produce explosive gases, contain corrosive acid, and supply levels of electrical current high enough to cause burns. Therefore, to reduce the risk of personal injury when working near a battery, always shield your eyes and avoid leaning over the battery whenever possible. Do not expose the battery to open flames or sparks. Do not allow the battery electrolyte to contact the eyes or the skin. Flush immediately and thoroughly any contacted areas with water and get medical help.

Warning: Before servicing any electrical component, the ignition and start switch must be in the Off or Lock position and all electrical loads must be Off, unless instructed otherwise in these procedures. If a tool or equipment could easily come in contact with a live exposed electrical terminal, also disconnect the battery ground cable. Failure to follow these precautions may cause personal injury and/or damage to the vehicle or its components.

BATTERY

Removal

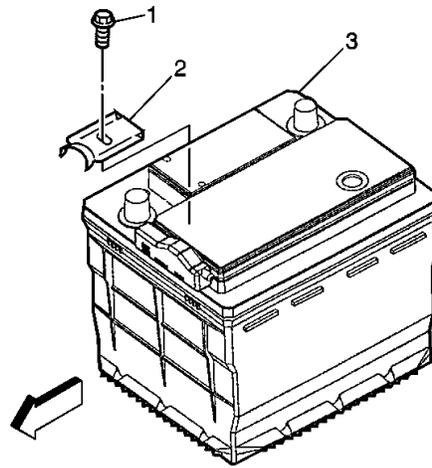
1. Open electrical center cover and push tab to release electrical center from battery.
2. Open battery isolator.
3. Record radio anti-theft code and station presets.
4. Turn off all lamps and accessories.
5. Turn ignition switch to Off position.
6. Remove battery ground cable clamp bolt from cable clamp.
7. Remove battery ground cable from battery.
8. Loosen battery positive cable clamp bolt.

9. Remove battery positive cable from battery.
10. Remove battery isolator.
11. Remove battery hold down retainer bolt (1) and retainer (2), **Fig. 1**.
12. Remove battery.

Installation

Clean any existing corrosion from the battery terminal, the battery cable clamp bolt and the battery cable clamp.

1. Install battery.
2. Install battery hold down retainer and bolt, **Fig. 1**. **Torque** bolt to 11 ft. lbs.
3. Install battery isolator.
4. Install battery positive cable and cable clamp bolt. **Torque** bolt to 53 inch lbs.
5. Install battery ground cable and cable clamp bolt. **Torque** bolt to 53 inch lbs.
6. Program Electronic Throttle Control (ETC) as follows:
 - a. Turn ignition switch to Run position. Do not start engine.
 - b. Leave ignition switch in Run position for at least three minutes to allow ETC to cycle and learn its home position.
 - c. Turn ignition switch to Off.
 - d. Start engine and allow to run for at least 30 seconds.
7. Perform initialization of power sunroof as follows:
 - a. Turn ignition switch to Run position.
 - b. Turn power sunroof switch to Closed position. After sunroof fully closes and motor stops, press and hold in switch for three seconds.
 - c. Turn power sunroof switch to Tilt position. After sunroof reaches tilt position and motor stops, press and hold in switch for three seconds.
 - d. Turn power sunroof switch to full Open position. After sunroof is fully open and motor stops, press and hold in switch for three seconds.
 - e. Turn power sunroof switch to Closed position. After sunroof fully closes and motor stops, press and hold in switch for three seconds.
8. Perform initialization of power windows as follows:
 - a. Repeat these steps for each window.
 - b. Turn ignition switch to Run position.
 - c. Press power window switch to Down position. After window is in full down position, press and hold switch in down position for three seconds.
 - d. Press power window switch to Up position. After window is in full up position, press and hold switch in up position for three seconds.
9. Perform initialization of heat and A/C control head as follows:
 - a. Turn ignition switch to Run position.
 - b. Simultaneously press Auto and Off buttons (located on heat and A/C control head) for at least five seconds.
 - c. After initiation, stepper motors will cycle from one stop to other. You may hear motors cycling while calibrating.
10. Initialize power seat memory, power mirror memory and radio channel preset memory as follows:
 - a. Power seat and power mirror memory are stored in non volatile memory in seat memory module. Reprogramming will not be required after a power loss. However, if a component of seat or mirror is replaced, module will require programming with scan tool.
 - b. Radio channel presets are stored in non volatile memory in radio. Reprogramming will not be required after a power loss. However, if radio is replaced, station presets must be manually reset.
11. Close battery isolator.
12. Install electrical center to battery, and close cover.



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Fig. 1 Battery hold down retainer removal

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