

CHEVROLET

1996-97 Lumina

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 skin; flush immediately and thoroughly any contacted areas with water, and get medical help.

Warning: Unless directed otherwise, the ignition and start switch must be in the OFF or LOCK position, and all electrical loads must be OFF before servicing any electrical component. Disconnect the battery ground cable to prevent an electrical spark should a tool or equipment come in contact with an exposed electrical terminal. Failure to follow these precautions may result in personal injury and/or damage to the vehicle or its components.

For vehicles equipped with OnStar® (UE1) with Back Up Battery, the back up battery is a redundant power supply to allow limited OnStar® functionality in the event of a main vehicle battery power disruption to the VCIM (OnStar® module). Do not disconnect the main vehicle battery or remove the OnStar® fuse with the ignition key in any position other than OFF. Retained Accessory Power (RAP) should be allowed to time out or be disabled (simply opening the driver door

should disable RAP) before disconnecting power. Disconnecting power to the OnStar® module in any way while the ignition is ON or with RAP activated may cause activation of the OnStar® Back Up Battery (BUB) system and will discharge and permanently damage the BUB. Once the BUB is activated, it will stay on until it has completely discharged. The BUB is not rechargeable and, once activated, the BUB must be replaced.

BATTERY

Removal

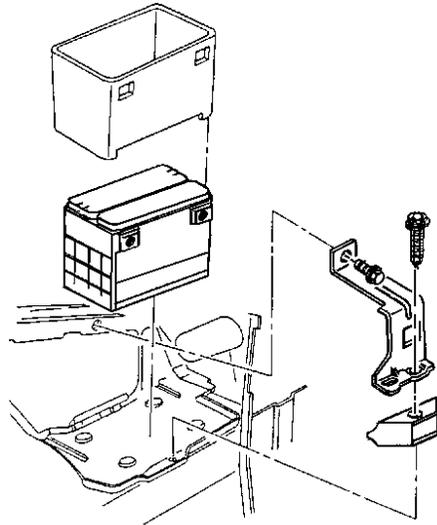
1. Record radio anti-theft code and station presets.
2. Turn off all lamps and accessories.
3. Turn ignition switch to OFF position.
4. Remove air cleaner assembly.
5. Disconnect battery ground cable from battery.
6. Disconnect battery positive cable from battery.
7. Remove cross brace bolts and cross brace.
8. **On models equipped with anti-lock brakes**, remove relay center.
9. Remove relay center bracket bolts and bracket.
10. **On all models**, disconnect windshield washer pump electrical connector.
11. Remove windshield washer line from windshield washer pump.
12. Remove windshield washer reservoir.
13. Remove air cleaner bracket upper attachment bolt, **Fig. 1**.
14. Remove battery hold down retainer

bolt, air cleaner bracket and hold down retainer, **Fig. 1**.

15. Remove battery from battery tray.
16. Remove battery heat shield from battery.

Installation

1. Install battery heat shield to battery.
2. Install battery to battery tray.
3. Install battery hold down retainer, air cleaner bracket and hold down retainer bolt, **Fig. 1**. **Torque** bolt to 13 ft. lbs.
4. Install air cleaner bracket upper attachment bolt, **Fig. 1**. **Torque** bolt to 35 inch lbs.
5. Install windshield washer reservoir and retainers.
6. Install windshield washer line to windshield washer pump.
7. Connect windshield washer pump electrical connector.
8. **On models equipped with anti-lock brakes**, install relay center bracket and bolt.
9. Install relay center.
10. **On all models**, install cross brace and bolts.
11. **Torque** cross brace front bolt to 18 ft. lbs.
12. **Torque** cross brace rear bolt to 35 ft. lbs.
13. Connect battery positive cable to battery. **Torque** cable bolt to 11 ft. lbs.
14. Connect battery ground cable to battery. **Torque** cable bolt to 11 ft. lbs.
15. Install air cleaner assembly.
16. Reset all preset and theft codes previously recorded to radio.



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Fig. 1 Battery removal

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