

# BUICK

## 1998-2004 Regal

### PRECAUTIONS

**Warning:** When performing service on or near the SIR components or the SIR wiring, the SIR system must be disabled. Failure to observe the correct procedure could cause deployment of the SIR components, personal injury, or unrequired SIR system repairs.

**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

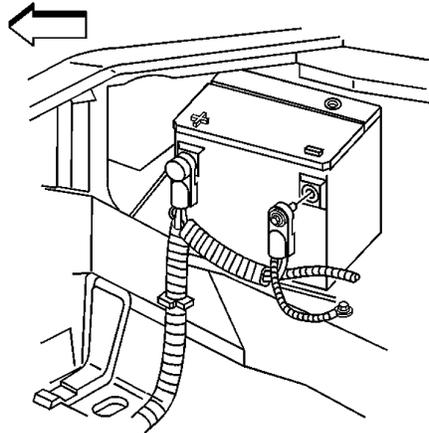


Fig. 1 Battery ground cable

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

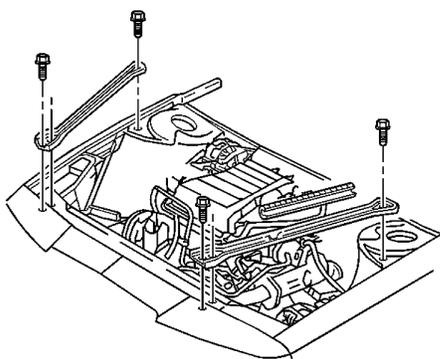
#### Removal

1. Record all preset and theft codes from radio.
2. Turn ignition switch to LOCK position.

3. Verify that all electrical components are off such as interior lights, all doors are closed, underhood lamp, etc.
4. Disconnect battery ground cable from battery, **Fig. 1**.
5. Remove front fender upper diagonal brace to inner fender bolt, **Fig. 2**.
6. Remove front fender upper diagonal brace to radiator support bolts.
7. Remove front fender upper diagonal brace.
8. Disconnect battery positive cable.
9. Remove retainer bolt (1) that holds battery in place, **Fig. 3**.
10. Remove battery retainer (2), **Fig. 3**.
11. Remove battery.
12. Remove battery cover.

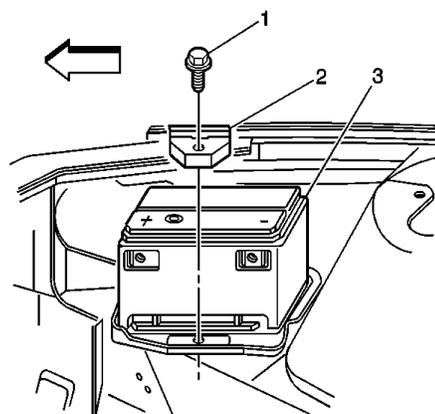
#### Installation

1. Install battery cover.
2. Install battery.
3. Install battery retainer (2), **Fig. 3**.
4. Install retainer bolt to battery. **Torque** bolt to 13 ft. lbs.
5. Connect battery positive cable to battery. **Torque** bolt to 11 ft. lbs.
6. Install bolts to front fender upper diagonal brace at radiator support.
7. Install front fender upper diagonal brace, **Fig. 2**. **Torque** bolts to 35 ft. lbs.
8. Install front fender diagonal brace to inner fender bolt. **Torque** bolts to 35 ft. lbs.
9. Connect battery ground cable to battery. **Torque** bolt to 11 ft. lbs.
10. Set clock and program radio stations back into radio as recorded at beginning of procedure.



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**Fig. 2 Front fender upper diagonal brace & bolts**



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**Fig. 3 Battery retainer**

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