

# SATURN

## 2005-07 Relay

### 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:** Batteries generate hydrogen gas, which is extremely flammable and may explode violently if ignited by a spark or a flame. Battery acid is extremely corrosive and causes severe personal injury if the acid comes into contact with skin, and blindness if the acid comes into contact with eyes. In order to avoid severe personal injury, use extreme caution when servicing the battery or battery-related components.

**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

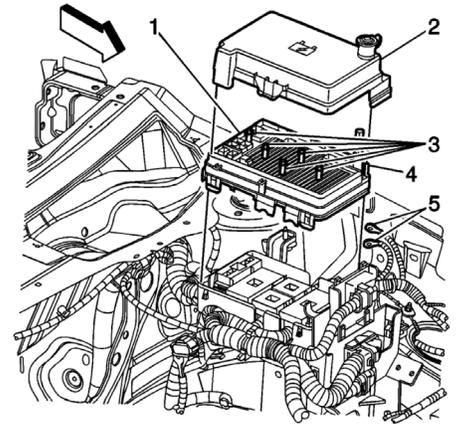
power. Disconnecting power to the OnStar® module in any way while the ignition is ON or with RAP activated may cause activation of the OnStar® Back Up Battery (BUB) system and will discharge and permanently damage the BUB. Once the BUB is activated, it will stay on until it has completely discharged.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

### BATTERY Removal

1. Remove underhood electrical center cover (1), **Fig. 1**.
2. Remove underhood electrical center mounting bolts (3), **Fig. 1**.
3. Record all presets and theft codes from radio.
4. Turn off all lamps and accessories.
5. Turn ignition OFF.
6. Loosen battery ground cable (2) nut, **Fig. 2**.
7. Remove battery ground cable from battery.
8. Remove front end sheet metal diagonal brace (2) bolt, **Fig. 3**.
9. Remove front end sheet metal diagonal brace (3) bolt, **Fig. 3**.
10. Remove front end sheet metal diagonal brace (4), **Fig. 3**.
11. Open positive battery cable cover (5), **Fig. 2**.
12. Loosen positive battery cable nut (3), **Fig. 2**.
13. Remove positive battery cable from battery.
14. Remove battery hold down retainer bolt (3), **Fig. 4**.
15. Remove battery.

### Installation

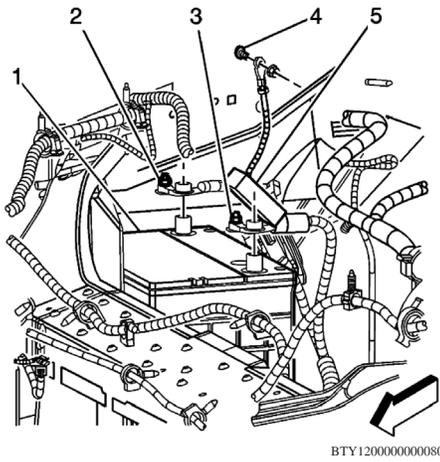
1. Install battery (1) and ensure that bat-



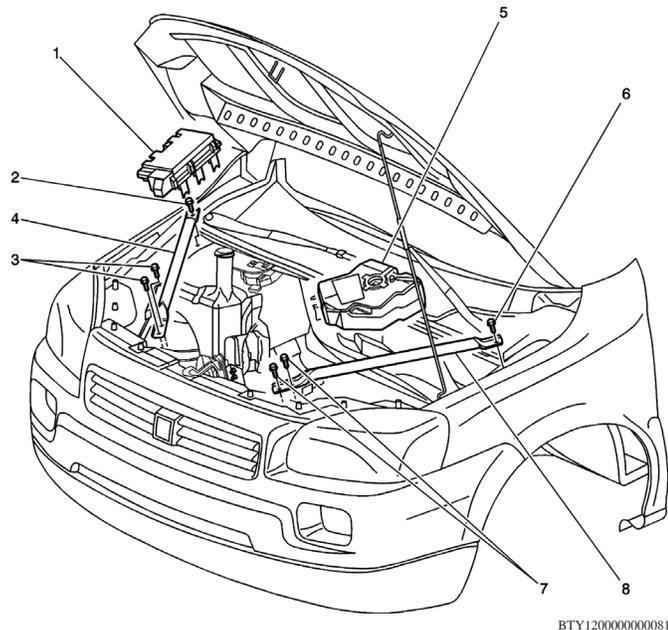
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**Fig. 1 Underhood electrical center cover**

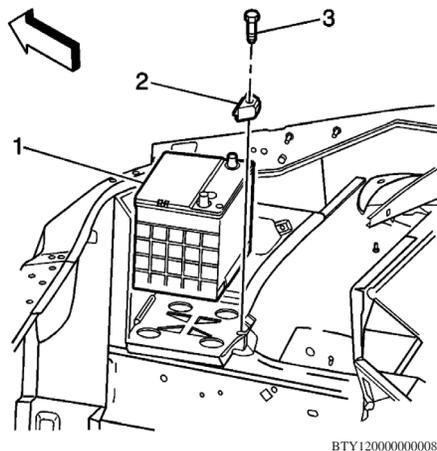
- tery is positioned properly in battery tray, **Fig. 4**.
2. Install battery hold down retainer.
3. Install battery hold down retainer bolt. **Torque** bolt to 13 ft. lbs.
4. Install positive battery cable to battery.
5. **Torque** positive battery cable nut to 12 ft. lbs.
6. Close positive battery cable cover.
7. Install front end sheet metal diagonal brace (4), **Fig. 3**.
8. Install front end sheet metal diagonal brace (2) bolt, **Fig. 3**.
9. Install front end sheet metal diagonal brace (3) bolt, **Fig. 3**.
10. Install battery ground cable to battery.
11. **Torque** battery ground cable nut to 12 ft. lbs.
12. Program radio presets.
13. Initialize power sliding doors using a suitably programmed scan tool.



**Fig. 2 Battery ground cable**



**Fig. 3 Front end sheet metal diagonal brace**



**Fig. 4 Battery hold down & hold down bolt**

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