

# PONTIAC

## 2006-09 Torrent

### 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.

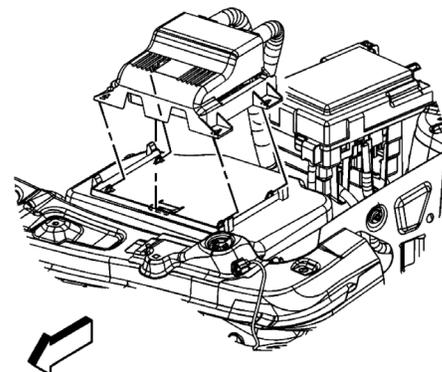
For vehicles equipped with OnStar® (UE1) with Back Up Battery, the back up battery is a redundant power supply to allow limited OnStar® functionality in the event of a main vehicle battery power disruption to the VCIM (OnStar® module). Do not disconnect the main vehicle battery or remove the OnStar® 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. Record all vehicle preset radio stations.
2. Turn OFF all lamps and accessories.
3. Ensure ignition switch is in OFF position.
4. Slide Engine Control Module (ECM) retainer rearward, disengaging retainer from battery shield, **Fig. 1**.
5. Remove ECM retainer from top of battery shield.
6. Carefully position ECM and retainer aside.
7. Disengage battery shield rear snap retainers (1), **Fig. 2**.
8. Remove battery shield, **Fig. 3**.
9. Loosen battery ground cable terminal nut.
10. Remove battery ground cable lead from battery.
11. Loosen positive battery cable terminal nut.
12. Remove positive battery cable lead from battery.



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**Fig. 1 Engine control module**

13. Remove battery hold down bolt (1) and hold down (2), **Fig. 4**.
14. Remove battery.

#### Installation

1. Install battery to battery box.
2. Install battery hold down retainer and bolt. **Torque** bolt to 11 ft. lbs.
3. Install positive battery cable lead to battery. **Torque** bolt to 13 ft. lbs.
4. Install battery ground cable lead to battery. **Torque** bolt to 13 ft. lbs.
5. Install battery shield retainer tabs to battery tray.
6. Engage battery shield rear snap retainers.
7. Carefully position ECM and retainer to top of battery shield.
8. Slide ECM retainer forward, engaging retainer to battery shield.
9. Set all customer radio station presets.

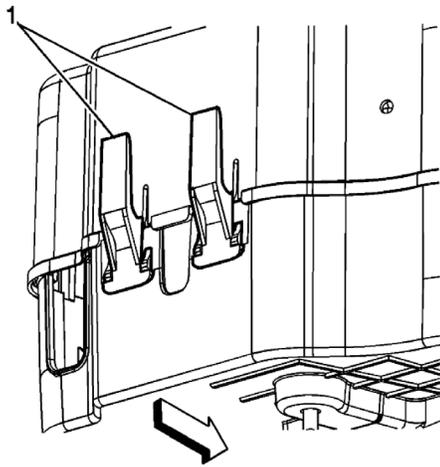


Fig. 2 Battery shield rear snap retainers

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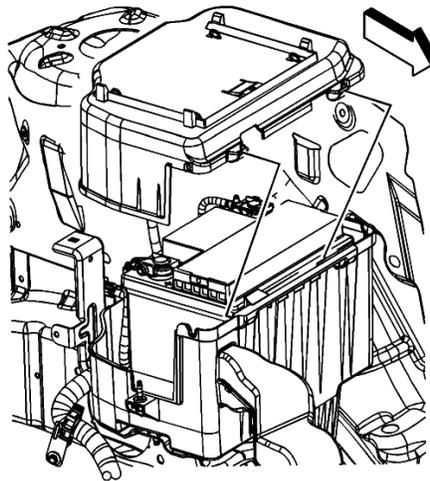


Fig. 3 Battery shield

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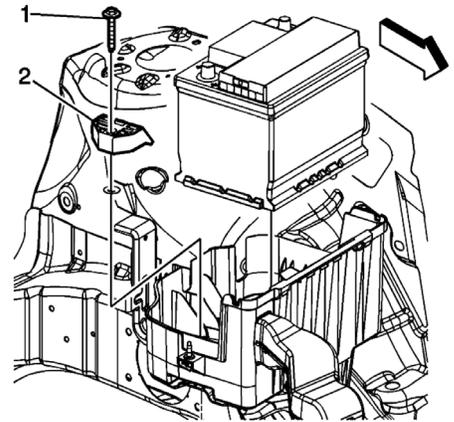


Fig. 4 Battery hold down & hold down bolt

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