

SATURN

2003-07 Ion

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

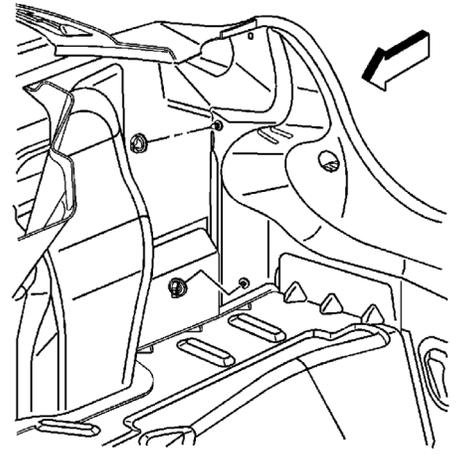
OnStar® module in any way while the ignition is ON or with RAP activated may cause activation of the OnStar® Back Up Battery (BUB) system and will discharge and permanently damage the BUB. Once the BUB is activated, it will stay on until it has completely discharged. The BUB is not rechargeable and,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

BATTERY Removal

1. Open rear compartment lid.
2. Remove rear compartment spare tire cover.
3. Remove cargo net, if equipped.
4. Remove convenience net fasteners near tail lamps, if equipped.
5. Fold down rear seat back.
6. Unbend metal tabs that hold compartment trim in place, **Fig. 1**.
7. Remove compartment trim.
8. Record all vehicle preset radio stations.
9. Turn OFF all lamps and accessories.
10. Ensure ignition switch is in OFF position.
11. Loosen battery ground cable (2) bolt, **Fig. 2**.
12. Loosen positive battery cable bolt.
13. Remove positive battery cable from battery.
14. Remove battery vent tube from battery and grommet, **Fig. 3**.
15. Remove battery retainer bolt.
16. Remove battery strap and retainer.
17. Remove battery.

Installation

1. Install battery.
2. Install battery strap and retainer.
3. Install battery retainer bolt. **Torque** bolt to 13 ft. lbs.



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Fig. 1 Rear compartment trim panel

4. Install battery vent tube to battery and grommet.
5. Position positive battery cable to battery.
6. **Torque** battery positive cable bolt to 13 ft. lbs.
7. Position battery ground cable to battery.
8. **Torque** battery ground cable bolt to 13 ft. lbs.
9. Install trim panel into rear compartment.
10. Adjust trim panel to desired appearance. Ensure that forward edge is tucked behind rear seat backs.
11. Install convenience net fasteners. **Torque** fasteners to 18 inch lbs.
12. Bend metal tabs that are used to hold compartment trim in place.
13. Install cargo net, if equipped.
14. Install rear compartment spare tire cover.
15. Close rear compartment lid.

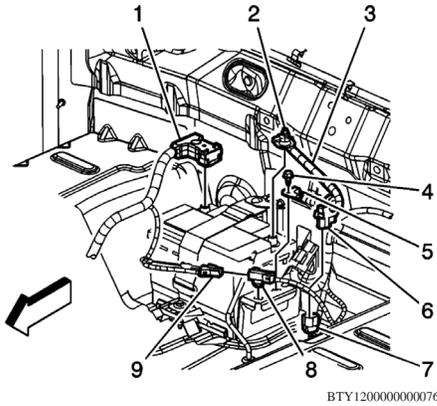


Fig. 2 Battery ground cable

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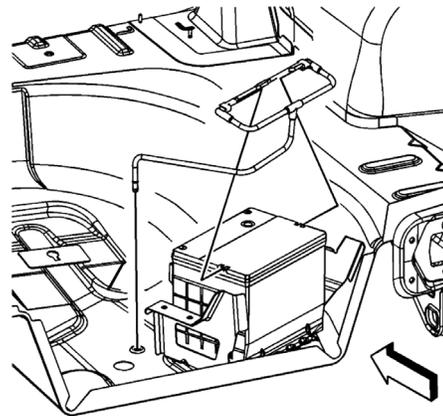


Fig. 3 Battery vent tube

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