

# SATURN

## 2002-09 Vue

### 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.

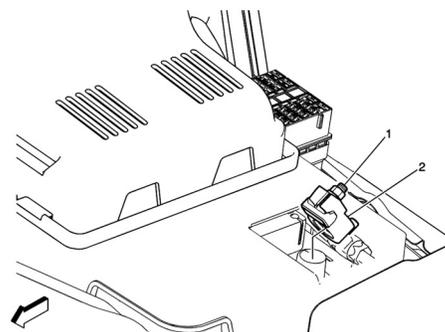
**Warning:** Unless directed otherwise, the ignition and start switch must be in the OFF or LOCK position, and all electrical loads must be OFF before servicing any electrical component. Disconnect the battery ground cable to prevent an electrical spark should a tool or equipment come in contact with 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. Loosen battery ground cable nut (1), **Fig. 1**.
5. Disconnect battery ground (2) cable from battery, **Fig. 1**.
6. Depress tab (1) retaining engine control module (2), **Fig. 2**.
7. Slide engine control module (2) in order to disengage engine control module bracket from battery upper cover (3), **Fig. 2**.
8. Position engine control module assembly (2) aside. Do not disconnect wiring harness, **Fig. 2**.
9. Release two battery upper cover tabs (2), **Fig. 3**.
10. Remove battery upper (1) cover from battery lower cover (3), **Fig. 3**.
11. Loosen positive battery cable retaining nut.



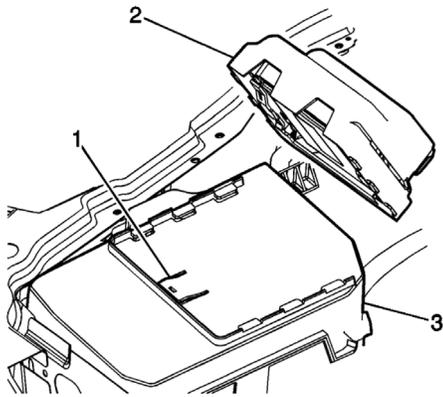
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**Fig. 1 Battery ground cable**

12. Remove positive battery cable from battery.
13. Remove battery retaining bolt (2) and retainer block (3), **Fig. 4**.
14. Remove battery.

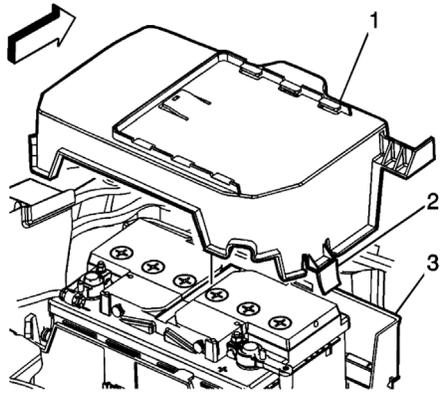
### Installation

1. Install battery.
2. Install battery retaining bolt and retainer block. **Torque** bolt to 89 inch lbs.
3. Install positive battery cable to battery.
4. Tighten positive battery cable retaining nut. **Torque** nut to 45 inch lbs.
5. Install battery upper cover to battery lower cover.
6. Ensure that two retaining tabs are securely latched.
7. Slide engine control module assembly onto battery upper cover.
8. Ensure that tab retaining engine control module is securely latched.
9. Connect battery ground cable.
10. Tighten battery ground cable retaining nut. **Torque** nut to 45 inch lbs.
11. Set radio stations and clock.



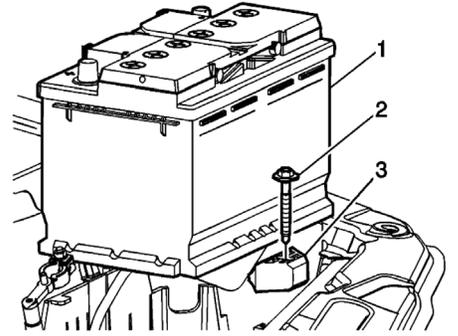
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**Fig. 2 Engine control module**



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**Fig. 3 Battery upper cover**



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**Fig. 4 Battery retaining bolt & retaining block**

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