

CHEVROLET

2006-09 Impala 5.3L

PRECAUTIONS

Warning: Batteries produce explosive gases, contain corrosive acid, and supply levels of electrical current high enough to cause burns. Therefore, to reduce the risk of personal injury when working near a battery: Always shield your eyes and avoid leaning over the battery whenever possible; Do not expose the battery to open flames or sparks; Do not allow the battery electrolyte to contact the eyes or the skin; Flush immediately and thoroughly any contacted areas with water, and get medical help.

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.

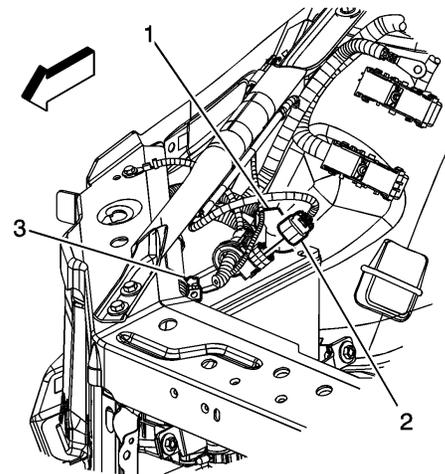
BATTERY Removal

Caution: 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.

1. Record radio anti-theft code and station presets.
2. Turn off all lamps and accessories.
3. Turn ignition switch to OFF position.
4. Loosen battery ground cable terminal nut.
5. Disconnect battery ground cable (3) from battery, **Fig. 1**.
6. Remove righthand front fender upper diagonal brace 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.
7. Open battery positive cable terminal cover.
8. Loosen battery positive cable terminal nut.
9. Disconnect battery positive cable from battery.
10. Remove electrical center cover (1), **Fig. 3**.
11. Disconnect battery positive cable from junction block.
12. Remove retaining fasteners (1) from electrical center board (2), **Fig. 4**.
13. Unlock electrical center board retaining tabs, then lift up on center board and position aside.
14. Remove battery retainer bolts and retainer, **Fig. 5**.
15. Remove battery from vehicle with aid of assistant.

Installation

Clean any existing oxidation from the contact face of the battery terminal and bat-



BTY120000000465

Fig. 1 Battery ground cable disconnection

tery cable using a wire brush before installing the battery cable to the battery.

1. Install battery to vehicle with aid of assistant.
2. Install accessory wiring junction block, **Fig. 4**. **Torque** electrical center board fasteners to 62 inch lbs.
3. Install electrical center cover (1), **Fig. 3**.
4. Install battery retainer and bolts, **Fig. 5**. **Torque** bolts to 13 ft. lbs.
5. Connect positive battery cable to battery, and **torque** cable terminal nut to 11 ft. lbs.
6. Close battery positive cable terminal cover.
7. Install righthand front fender upper diagonal brace and bolts, **Fig. 2**. **Torque** bolts to 35 ft. lbs.
8. Connect battery ground cable (3) to battery, **Fig. 1**. **Torque** cable terminal nut to 11 ft. lbs.
9. Reset all preset and theft codes previously recorded to radio.

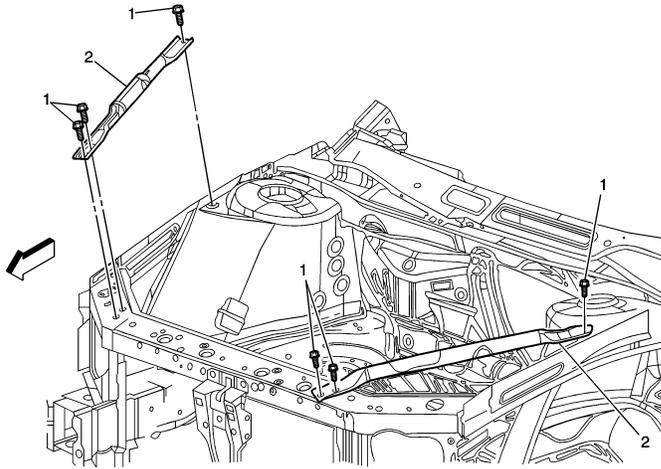


Fig. 2 Front fender upper diagonal brace removal

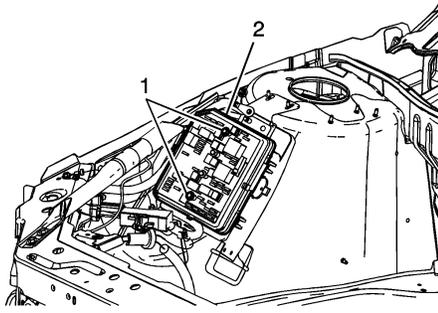


Fig. 4 Accessory wiring junction block removal

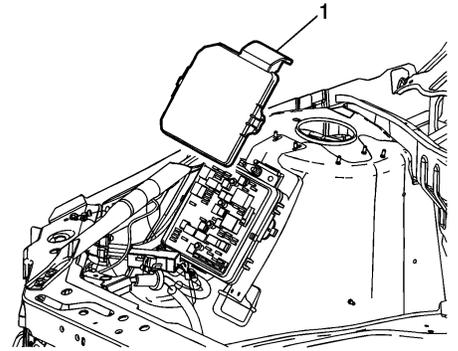


Fig. 3 Electrical center cover removal

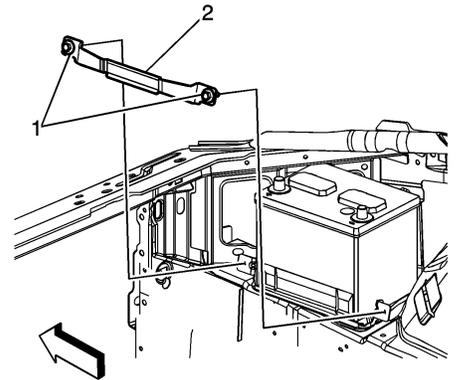


Fig. 5 Battery retainer removal

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