

# CHEVROLET

## 2005-09 Uplander

### 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

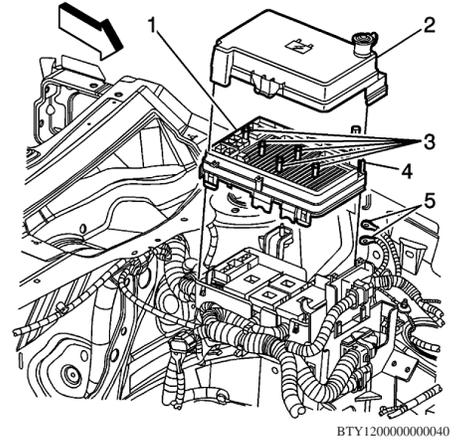
1. Record radio anti-theft code and station presets.

2. Turn off all lamps and accessories.
3. Turn ignition switch to OFF position.
4. Remove underhood electrical center cover (2), **Fig. 1**.
5. Remove underhood electrical center mounting bolts (3), **Fig. 1**.
6. Disconnect battery ground cable (2) from battery, **Fig. 2**.
7. Remove cover (1) from base (6) of junction block assembly, **Fig. 3**.
8. Remove battery positive cable nut (3), and disconnect cable (2) from junction block positive terminal stud, **Fig. 4**.
9. Release locking tabs from base side of electrical center.
10. Carefully lift at each side of junction block assembly to release from main body harness connectors, exposing lower connectors.
11. Remove junction block assembly from vehicle.
12. Remove righthand front end sheet metal diagonal brace bolt (2) at cowl panel, **Fig. 5**.
13. Remove righthand front end sheet metal diagonal brace bolts (3) at radiator panel, then remove diagonal brace (4), **Fig. 5**.
14. Open battery positive cable cover (5), **Fig. 2**.
15. Remove battery positive cable (3) from battery, **Fig. 2**.
16. Remove battery hold down retainer bolt (3) and retainer (2), **Fig. 6**.
17. Remove battery from vehicle. Do not tip battery more than 40°.

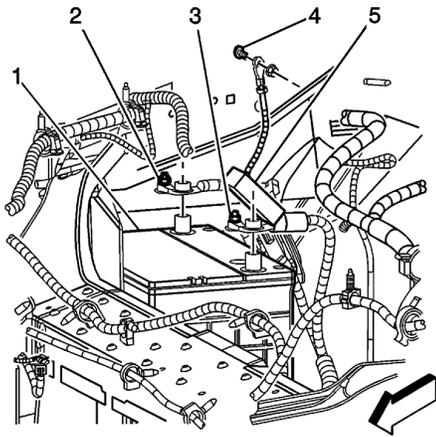
#### Installation

Clean any existing corrosion from the battery terminal bolt flange and the battery cable end.

1. Install battery and ensure that battery is positioned properly in battery tray. Do not tip battery more than 40°.
  2. Install battery hold down retainer (2) and bolt (3), **Fig. 6**. **Torque** bolt to 13 ft. lbs.
  3. Install battery positive cable (3) to battery, **Fig. 2**. **Torque** cable bolt to 12 ft. lbs.
  4. Close positive battery cable cover.
  5. Install battery ground cable (2) to battery, **Fig. 2**. **Torque** cable bolt to 12 ft. lbs.
  6. Install righthand front end sheet metal diagonal brace, **Fig. 5**. **Torque** bolts (3) to 10 ft. lbs. **Torque** bolt (2) to 35 ft. lbs.
7. Install junction block as follows:
    - a. Ensure that all three connectors are secured to base by applying light downward pressure to each connector and ensuring tabs are locked on each side of connector.
    - b. Position junction block assembly over top of base and align locator pins to junction block assembly base.
    - c. Once aligned, apply downward pressure to junction block assembly in order to secure top half to base.
    - d. Inspect two outer locking tabs to ensure junction block assembly is locked into lower base.
  8. Install battery positive cable (2) and nut (3) to junction block positive terminal stud, **Fig. 4**. **Torque** nut to 89 inch lbs.
  9. Install junction block cover (1) to base (6) of junction block assembly, **Fig. 3**.
  10. Install underhood electrical center mounting bolts (3), **Fig. 1**. **Torque** bolts to 89 inch lbs.
  11. Install underhood electrical center cover (2), **Fig. 1**.
  12. Reset all preset and theft codes previously recorded to radio.
  13. Initialize power sliding doors using scan tool per manufacturer's instructions.

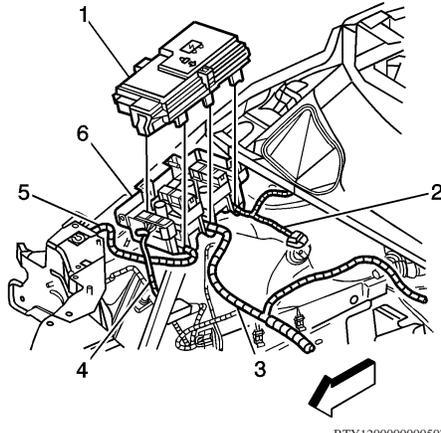


**Fig. 1 Underhood electrical center cover removal**



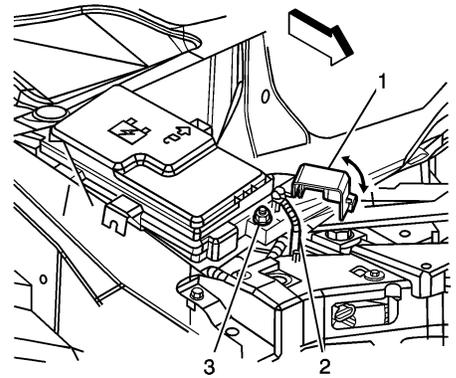
**Fig. 2 Battery cable disconnection**

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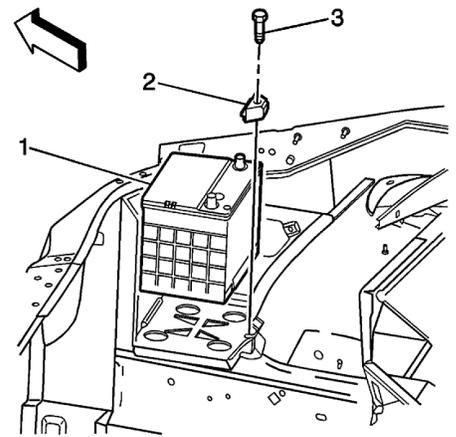
**Fig. 3 Junction block cover removal**

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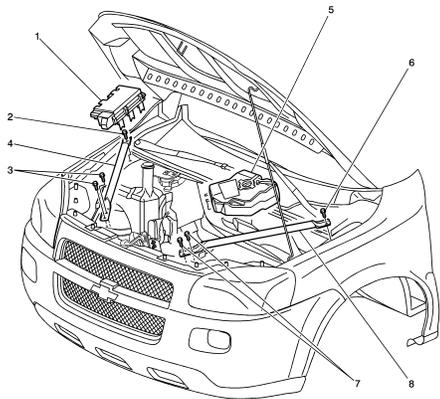
**Fig. 4 Battery positive cable removal from junction block**

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**Fig. 6 Battery removal**

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**Fig. 5 Righthand front end sheet metal diagonal brace removal**

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