

CADILLAC 2010-11 STS

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 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.

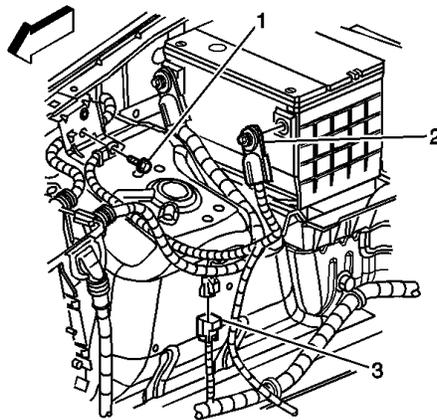
For vehicles equipped with OnStar® (UE1) with Back Up Battery, the back up battery is a redundant power supply to allow limited OnStar® functionality in the event of a main vehicle battery power disruption to the VCIM (OnStar® module). Do not disconnect the main vehicle battery or remove the OnStar® 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

Side Post

REMOVAL

1. Record radio anti-theft code and station presets.
2. Turn off all lamps and accessories.
3. Turn ignition switch to OFF position.



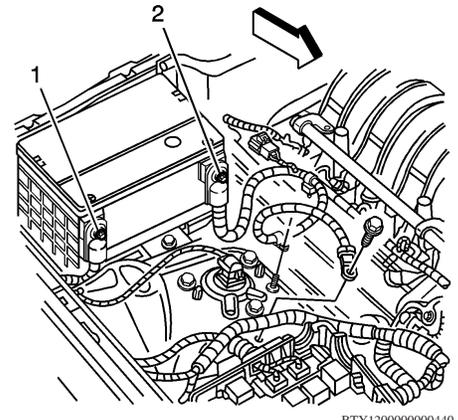
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Fig. 1 Battery ground cable disconnection

4. Disconnect battery ground cable (2) from battery, **Fig. 1**.
5. Disconnect battery positive cable (1) from battery, **Fig. 2**.
6. Remove windshield wiper arms, **Fig. 3**. Remove lefthand upper hood assist rod from assist rod ball studs to remove driver side wiper arm.
7. Remove air inlet grille panel, **Fig. 4**.
8. Depress locking tabs (1) on side of battery heat shield, **Fig. 5**.
9. Remove battery heat shield from battery, **Fig. 6**.
10. Remove battery retainer bolt and retainer, **Fig. 7**.
11. Remove battery from vehicle.

INSTALLATION

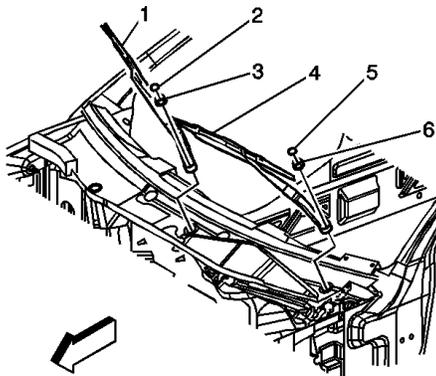
1. Install battery to vehicle.
2. Install battery retainer and bolt, **Fig. 7**. **Torque** bolt to 13 ft. lbs.
3. Install battery heat shield, **Fig. 6**. Ensure openings in heat shield are aligned with battery terminal bosses.
4. Install air inlet grille panel, **Fig. 4**.
5. Install windshield wiper arms, **Fig. 3**. **Torque** wiper arm nuts to 26 ft. lbs.
6. Connect battery positive cable (1) to battery, **Fig. 2**. **Torque** battery cable bolt to 13 ft. lbs.
7. Connect battery ground cable (2) to battery, **Fig. 1**. **Torque** battery cable bolt to 13 ft. lbs.
8. Perform power sunroof calibration as follows:
 - a. Turn ignition switch to RUN position.
 - b. Turn power sunroof switch to closed position. After sunroof fully closes and motor stops, press and hold in switch for three seconds.



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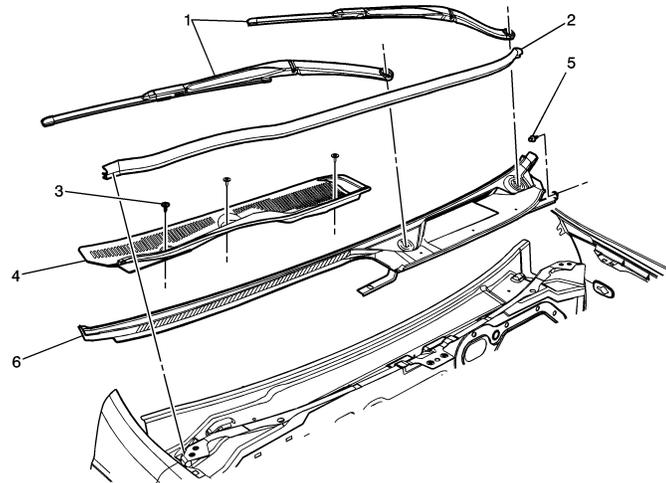
Fig. 2 Battery positive cable disconnection

- c. Turn power sunroof switch to tilt position. After sunroof reaches tilt position and motor stops, press and hold in switch for three seconds.
 - d. Turn power sunroof switch to full open position. After sunroof is fully open and motor stops, press and hold in switch for three seconds.
 - e. Turn power sunroof switch to closed position. After sunroof fully closes and motor stops, press and hold in switch for three seconds.
9. Perform power window calibration as follows:
 - a. Repeat these steps for each window.
 - b. Turn ignition switch to RUN position.
 - c. Press power window switch to down position. After window is in full down position, press and hold switch in down position for three seconds.
 - d. Press power window switch to up position. After window is in full up position, press and hold switch in up position for three seconds.
 10. Perform heat and A/C control head calibration as follows:
 - a. Turn ignition switch to RUN position.
 - b. Simultaneously press Auto and Off buttons, located on heat and A/C control head, for at least five seconds.
 - c. After initiation, stepper motors will cycle from one stop to other. You may hear motors cycling while calibrating.
 11. Reset all preset and theft codes previously recorded to radio.
 12. Relearn tire pressure sensor system per manufacturer's instructions, if required.



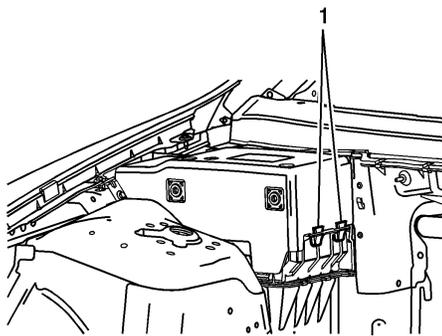
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Fig. 3 Windshield wiper arm removal



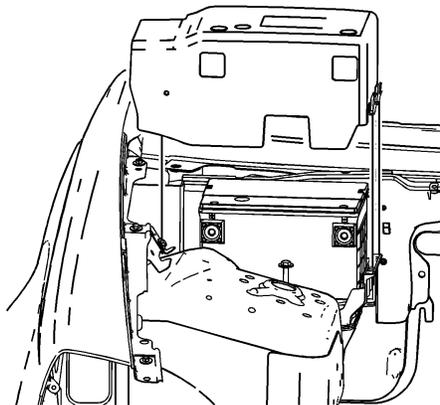
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Fig. 4 Air inlet grille panel removal



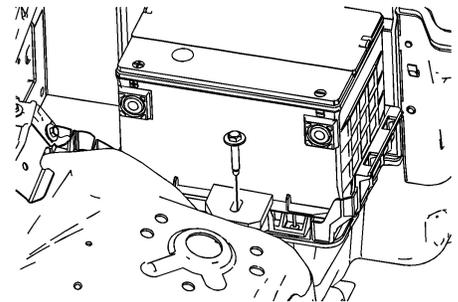
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Fig. 5 Battery heat shield locking tab location



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Fig. 6 Battery heat shield removal



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Fig. 7 Battery retainer removal

Top Post 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. Open battery ground cable clamp locking lever cover (3) to release clamp locking lever (2), **Fig. 8**.
5. Remove battery ground cable clamp from battery.
6. Open battery positive cable cover (1) and rotate cable clamp lever (2) to disengage clamp, **Fig. 9**.
7. Remove battery positive cable clamp from battery.
8. Remove battery hold down retainer bolt (1) and retainer, **Fig. 10**.
9. Remove battery insulator (2) from battery, **Fig. 10**.
10. Remove battery from vehicle.

INSTALLATION

1. Install battery to vehicle.

2. Install battery insulator (2) to battery, **Fig. 10**.
3. Install battery hold down retainer and bolt. **Torque** bolt to 13 ft. lbs.
4. Install battery positive cable clamp to battery, **Fig. 9**.
5. Install battery ground cable clamp to battery, **Fig. 8**.
6. Perform power sunroof calibration as follows:
 - a. Turn ignition switch to RUN position.
 - b. Turn power sunroof switch to closed position. After sunroof fully closes and motor stops, press and hold in switch for three seconds.
 - c. Turn power sunroof switch to tilt position. After sunroof reaches tilt position and motor stops, press and hold in switch for three seconds.
 - d. Turn power sunroof switch to full open position. After sunroof is fully open and motor stops, press and hold in switch for three seconds.
 - e. Turn power sunroof switch to closed position. After sunroof fully closes and motor stops, press and

- hold in switch for three seconds.
7. Perform power window calibration as follows:
 - a. Repeat these steps for each window.
 - b. Turn ignition switch to RUN position.
 - c. Press power window switch to down position. After window is in full down position, press and hold switch in down position for three seconds.
 - d. Press power window switch to up position. After window is in full up position, press and hold switch in up position for three seconds.
8. Perform heat and A/C control head calibration as follows:
 - a. Turn ignition switch to RUN position.
 - b. Simultaneously press Auto and Off buttons, located on heat and A/C control head, for at least five seconds.
 - c. After initiation, stepper motors will cycle from one stop to other. You may hear motors cycling while calibrating.
9. Reset all preset and theft codes previously recorded to radio.
10. Relearn tire pressure sensor system per manufacturers instructions, if required.

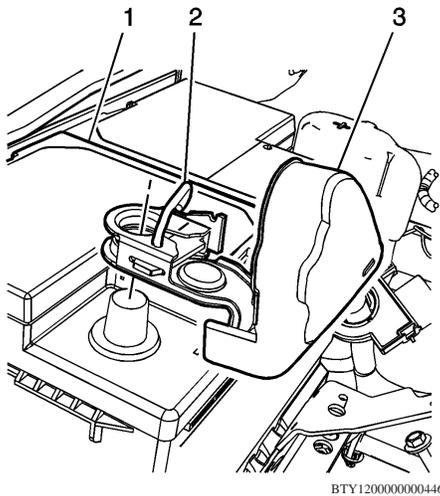


Fig. 8 Battery ground cable clamp removal

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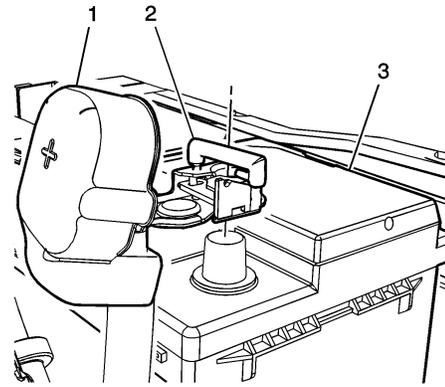


Fig. 9 Battery positive cable clamp removal

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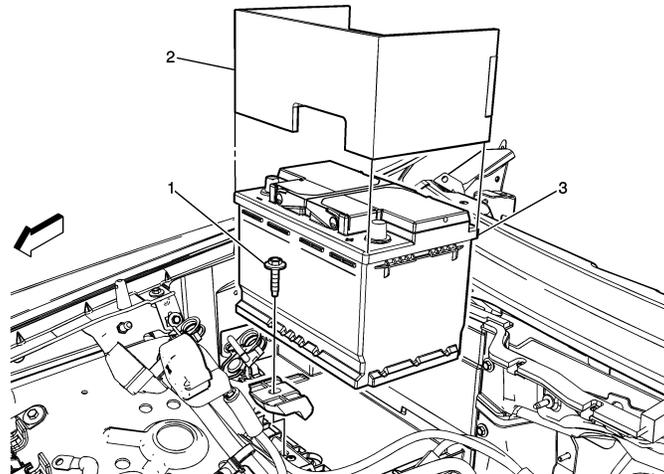


Fig. 10 Battery removal

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