

CADILLAC 2014 CTS

PRECAUTIONS

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 ground battery 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 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 should be allowed to time out or be disabled (simply opening the driver door should disable retained accessory power) before disconnecting power. Disconnecting power to the OnStar module in any way while the ignition is ON or with retained accessory power activated may cause activation of the OnStar Back-Up Battery system and will discharge and permanently damage the back-up battery. Once the Back-Up Battery is activated it will stay on until it has completely discharged. The back-up battery is not chargeable and once activated the back-up battery must be replaced.

BATTERY

Sedan

REMOVAL

1. Position lefthand side rear compartment trim panel.
2. Open battery access cover (1) located at lefthand rear compartment area, **Fig. 1**.
3. Loosen battery ground cable clamp nut (1) and set aside battery ground cable (2), **Fig. 2**.
4. Open battery fuse block cover (1) and loosen battery post cable clamp nut (2) from battery fuse block, **Fig. 3**.
5. Remove battery fuse block retainer clips (2) and set aside battery fuse block (1), **Fig. 4**.
6. Remove battery hold down bracket nut (1) and remove battery hold down bracket (2), **Fig. 5**.

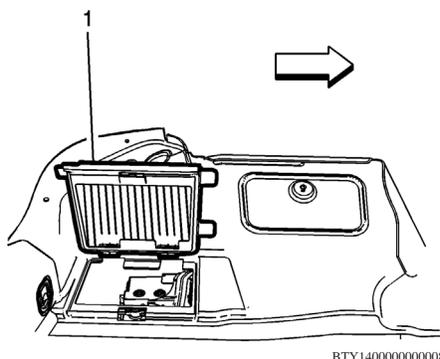


Fig. 1 Battery access cover location

7. Remove battery vent hose (3) from side of battery, **Fig. 5**.
8. Push forward battery tray front bracket (3) and remove battery (1) using battery assist handles (2), **Fig. 6**.

INSTALLATION

Caution: Use the correct fastener in the correct location. Replacement fasteners must be the correct component number for that application. Do not use paints, lubricants, or corrosion inhibitors on fasteners or fastener joint surfaces, unless specified. These coatings affect fastener torque and joint clamping force and may damage the fastener. Use the correct tightening sequence and specifications when installing fasteners in order to avoid damage to components and systems. When using fasteners that are threaded directly into plastic, use extreme care not to strip the mating plastic components. Use hand tools only, and do not use any kind of impact or power tools. Fastener should be hand tightened, fully seated, and not stripped.

1. Push forward front battery tray bracket (3) and install battery (1) into position using battery assist handles (2), **Fig. 6**.
2. Install battery hold down bracket (2) and **torque** fastener (1) to 80 inch lbs., **Fig. 5**.
3. Install battery vent hose (3) to side of battery, **Fig. 5**.
4. Install battery fuse block (1) to battery with retaining clips (2), **Fig. 4**.
5. **Torque** battery post clamp nut (2) to 62 inch lbs., **Fig. 3**.
6. Close fuse block cover (1), **Fig. 3**.
7. Install battery ground cable (2) to ground battery post and **torque** nut (1) to 62 inch lbs., **Fig. 2**.

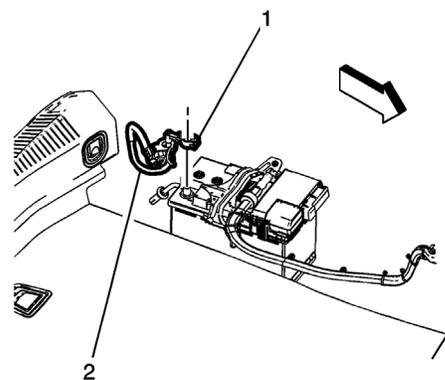


Fig. 2 Battery ground cable removal

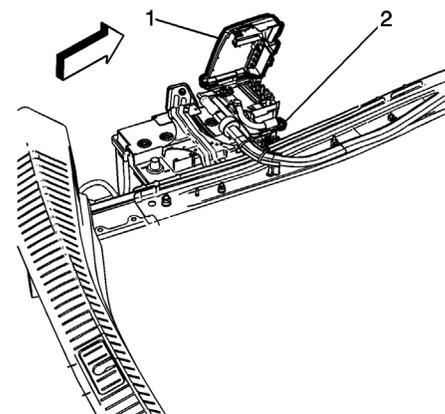
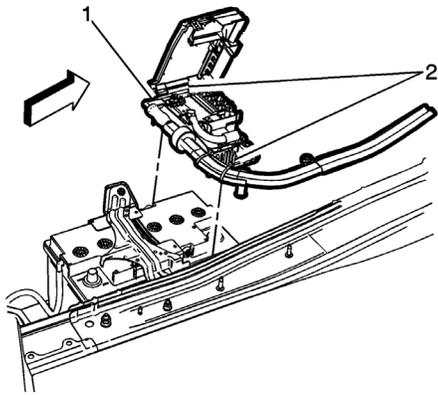


Fig. 3 Battery post cable clamp nut location

8. Close battery access cover (1), **Fig. 1**.
9. Position lefthand side rear compartment trim panel.

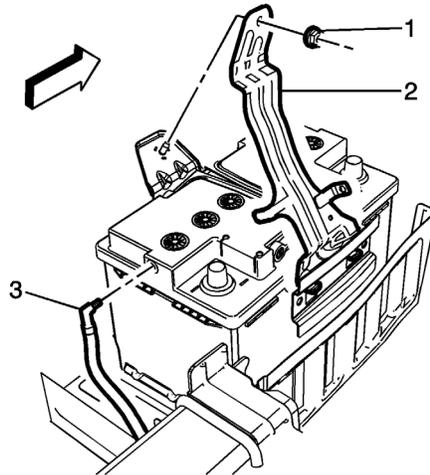
Coupe, V-Series Coupe & Sedan REMOVAL

1. Record radio anti-theft code and station presets.
2. Turn off all lamps and accessories.
3. Turn ignition switch to OFF position.
4. **On sedan models**, remove rear seat back cushion, **Fig. 7**.
5. **On all models**, partially remove rear compartment lid weatherstrip.
6. Remove rear compartment sill trim plate, **Fig. 8**.
7. Remove rear compartment side trim panel, **Figs. 9 and 10**.



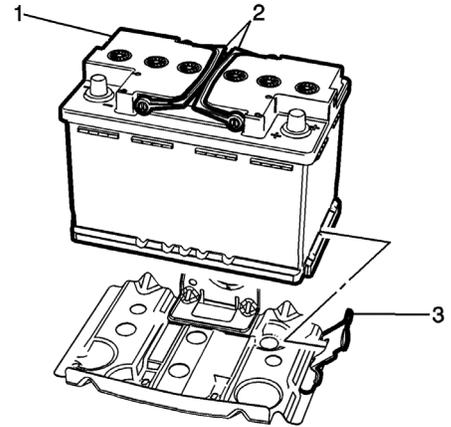
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Fig. 4 Battery fuse block retainer clip removal



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Fig. 5 Battery hold down bracket removal



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Fig. 6 Battery removal. Sedan

8. Disconnect battery vent hose.
9. Turn battery ground cable handle (1) to release clamping force, and remove battery ground cable from battery ground post, **Fig. 11**.
10. Turn battery positive cable handle (2) to release clamping force, and remove battery positive cable from battery positive post, **Fig. 11**.
11. Remove battery hold down retainer bolts (1) and battery hold down retainers (2), **Fig. 12**.
12. Remove battery from vehicle.

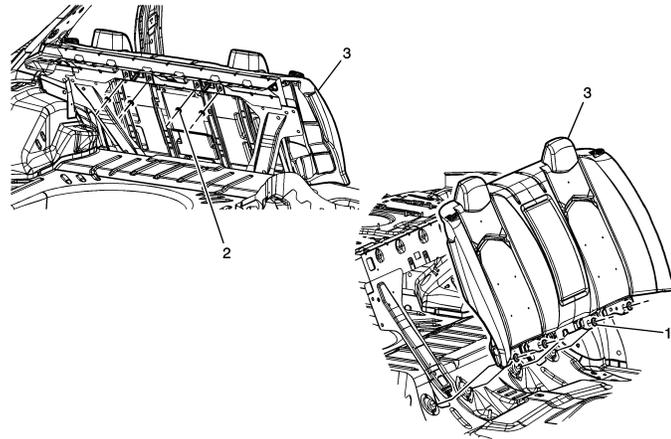
INSTALLATION

1. Install battery to vehicle.
2. Install battery hold down retainers (2) and bolts (1), **Fig. 12**. **Torque** bolts to 13 ft. lbs.
3. Ensure battery positive cable is seated properly.
4. Turn battery positive cable handle (2) to secure battery positive cable to battery positive post, **Fig. 11**.
5. Ensure battery ground cable is seated properly.
6. Turn battery ground cable handle (1) to secure battery ground cable to battery ground post, **Fig. 11**.
7. Connect battery vent hose.
8. Install rear compartment side trim panel, **Figs. 9 and 10**.
9. Install rear compartment sill trim plate. **Torque** cargo tie down loop fastener (1) to 29 ft. lbs., **Fig. 8**.
10. Install rear compartment lid weatherstrip.
11. **On sedan models**, install rear seat back cushion, **Fig. 7**.
12. Reset all preset and theft codes previously recorded to radio.

Wagon

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. Disable Supplemental Inflatable Restraint (SIR) system per manufacturer's instructions.
5. Remove body side window front garnish molding, **Fig. 13**.



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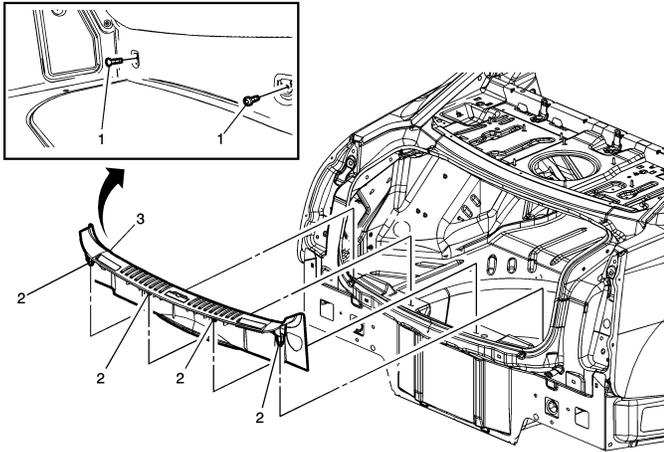
Fig. 7 Rear seat back cushion removal. Sedan

6. Remove rear compartment floor stowage compartment cover, **Fig. 14**.
7. Remove rear compartment floor stowage compartment door frame, **Fig. 15**.
8. Partially remove liftgate weatherstrip.
9. Remove rear compartment sill trim plate, **Fig. 16**.
10. Remove body side window rear garnish molding, **Fig. 17**.
11. Remove body side lower trim panel, **Fig. 18**.
12. Disconnect battery vent hose.
13. Turn battery ground cable handle (1) to release clamping force, and remove battery ground cable from battery ground post, **Fig. 11**.
14. Turn battery positive cable handle (2) to release clamping force, and remove battery positive cable from battery positive post, **Fig. 11**.
15. Remove battery hold down retainer bolts (1) and battery hold down retainers (2), **Fig. 12**.
16. Remove battery from vehicle.

INSTALLATION

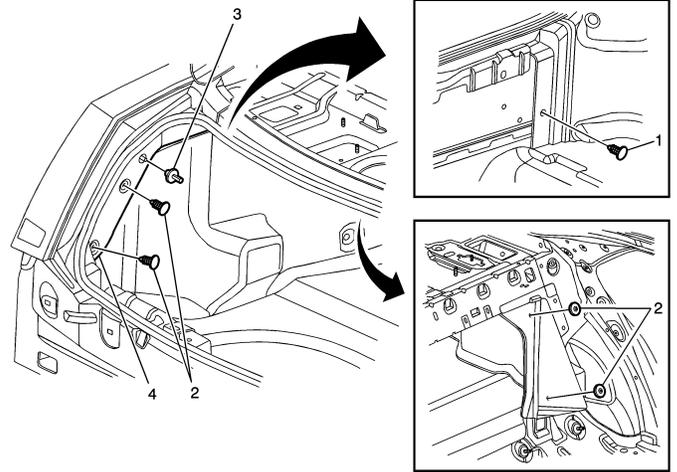
1. Install battery to vehicle.
2. Install battery hold down retainers (2) and bolts (1), **Fig. 12**. **Torque** bolts to 13 ft. lbs.

3. Ensure battery positive cable is seated properly.
4. Turn battery positive cable handle (2) to secure battery positive cable to battery positive post, **Fig. 11**.
5. Ensure battery ground cable is seated properly.
6. Turn battery ground cable handle (1) to secure battery ground cable to battery ground post, **Fig. 11**.
7. Connect battery vent hose.
8. Install body side lower trim panel, **Fig. 18**.
9. Install body side window rear garnish molding, **Fig. 17**.
10. Install rear compartment sill trim plate. **Torque** trim plate fasteners (1) to 79 inch lbs., **Fig. 16**.
11. Install rear compartment floor stowage compartment door frame. **Torque** frame fasteners (1) to 16 ft. lbs., **Fig. 15**.
12. Install rear compartment floor stowage compartment cover, **Fig. 14**.
13. Install body side window front garnish molding, **Fig. 13**.
14. Enable SIR system per manufacturer's instructions.
15. Reset all preset and theft codes previously recorded to radio.



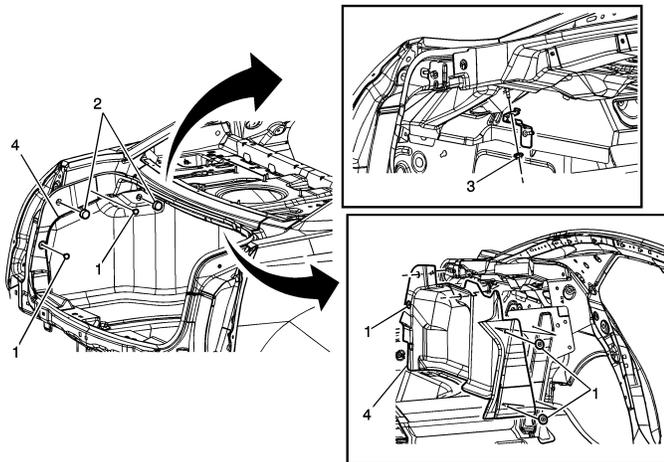
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**Fig. 8 Rear compartment sill trim plate removal.
Sedan & Coupe**



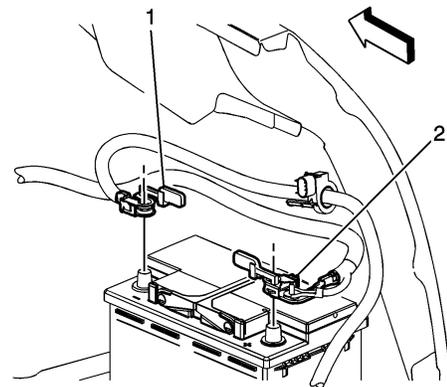
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**Fig. 9 Rear compartment side trim panel removal.
Coupe**



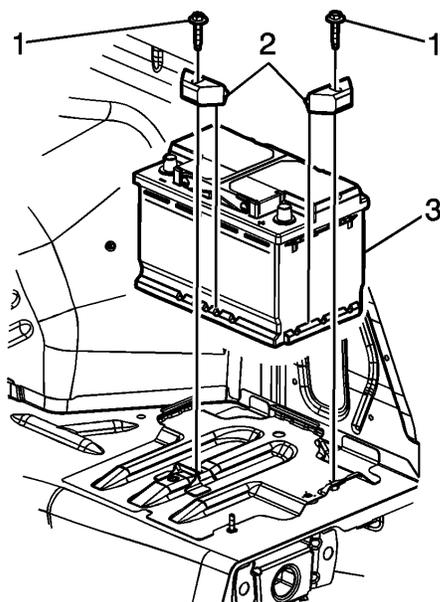
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**Fig. 10 Rear compartment side trim panel removal.
Sedan**



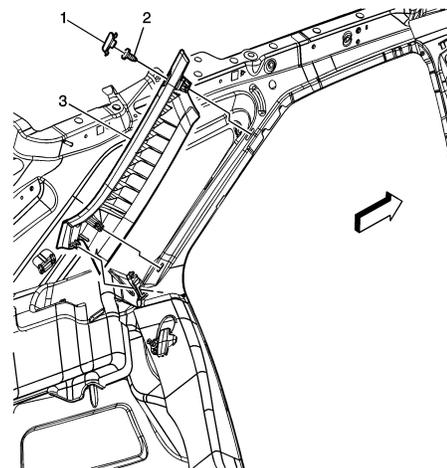
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Fig. 11 Battery cable removal



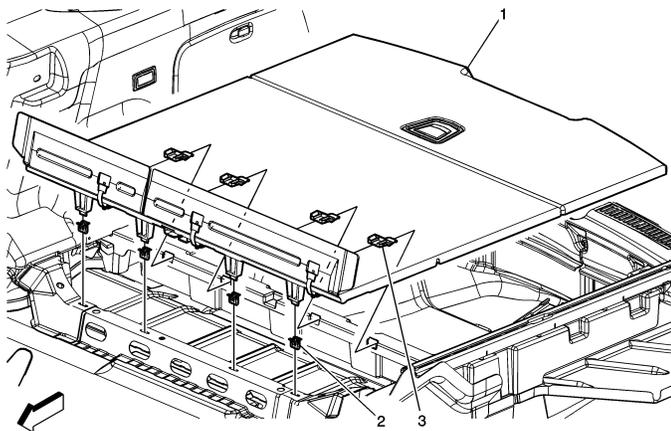
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**Fig. 12 Battery removal. Coupe &
V-series**



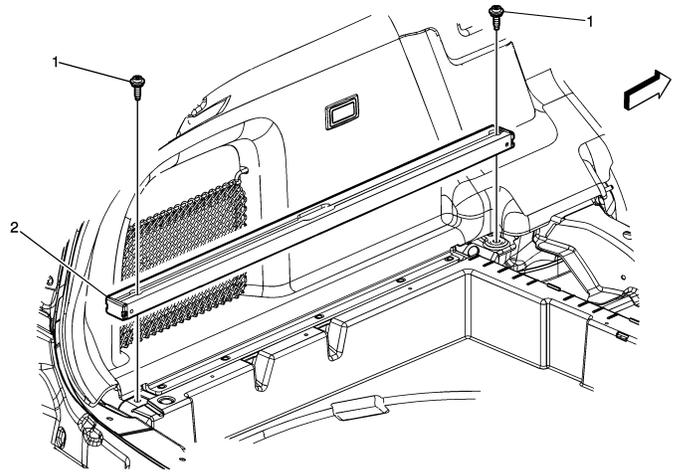
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**Fig. 13 Body side window front
garnish molding removal. Wagon**



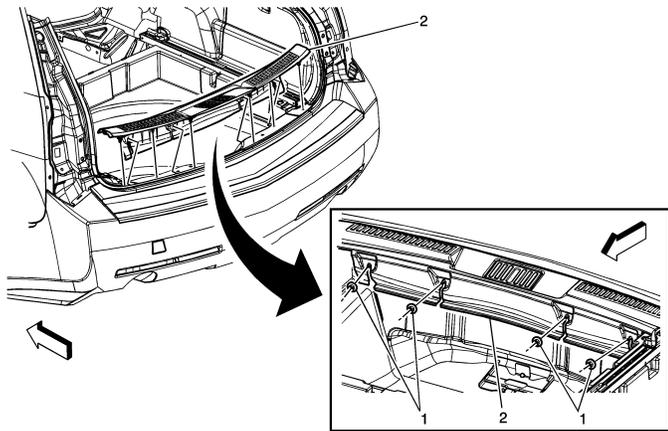
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Fig. 14 Rear compartment floor storage compartment cover removal. Wagon



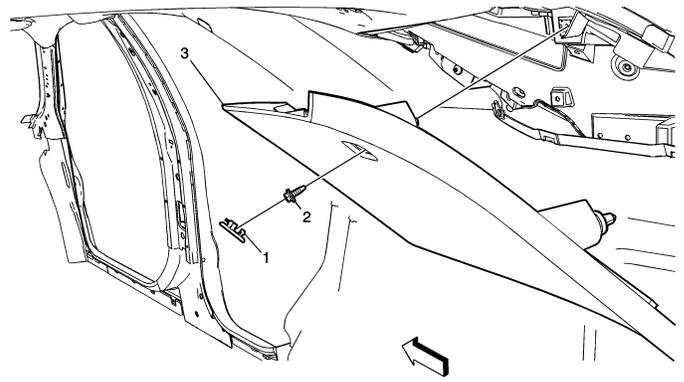
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Fig. 15 Rear compartment floor storage compartment door frame removal. Wagon



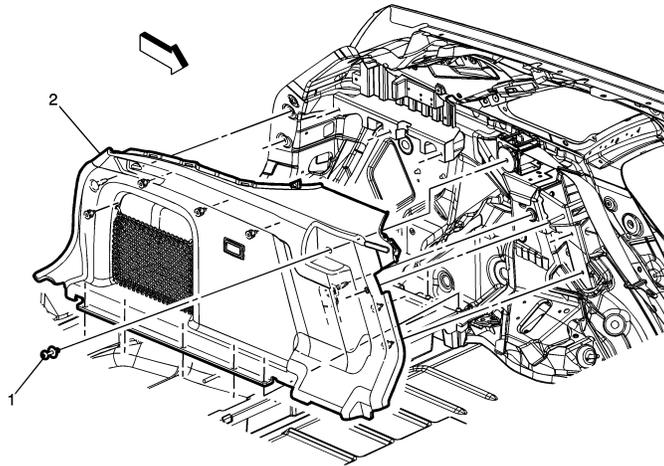
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Fig. 16 Rear compartment sill trim plate removal. Wagon



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Fig. 17 Body side window rear garnish molding removal. Wagon



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Fig. 18 Body side lower trim panel removal. Wagon

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