

# VOLKSWAGEN

## 2012-14 Passat 3.6L

### PRECAUTIONS

**Warning:** Acid has strong corrosive properties. If batteries are handled inappropriately, there is a risk that personal injury may result from exposure to harmful electrolyte influences. Therefore, suitable remedies for acid damage must be kept readily available. Soapy water would be a suitable remedy.

**Warning:** If electrolyte drips out from the battery, skin can be burned by acid, and the vehicle may be affected by acid erosion and corrosion. It is a possibility that safety-related vehicle components can be damaged.

**Warning:** The gas resulting from charging and partially after charging is explosive. In extreme cases, if the battery is handled inappropriately, the emitted gases may cause the battery to explode.

**Warning:** Producing sparks by sanding, welding, cutting and open flames, as well as smoking near a battery is forbidden. Producing sparks through electrostatic discharge must also be avoided. Always touch the vehicle body before touching the battery.

Only perform battery procedures in suitable and well ventilated locations.

Always ensure vehicle electrical system is protected by disconnecting battery ground terminal prior to servicing key areas of the electrical system. Disconnecting battery positive terminal must only be performed as required to remove battery from vehicle and must only be carried out after ground terminal is disconnected.

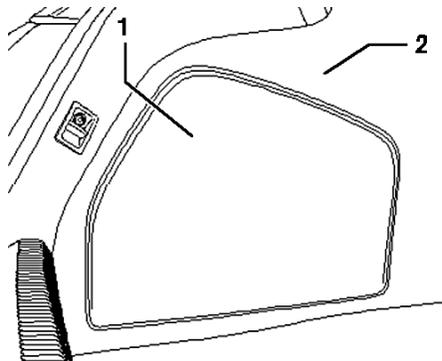
Deactivate the anti-theft alarm system first and then disconnect the battery.

The battery is installed in the lefthand side of the luggage compartment.

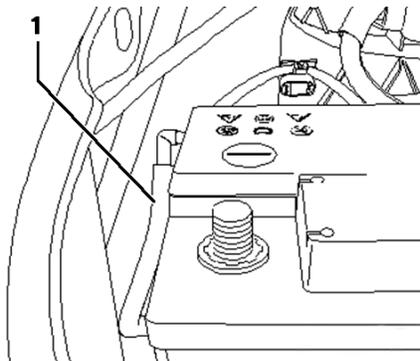
### BATTERY

#### Removal

1. Record radio anti-theft code and station presets.
2. Turn OFF ignition and all electrical consumers and remove ignition key.
3. Turn ignition switch to OFF position.
4. Remove service cover (1) from side trim panel (2), **Fig. 1**.
5. Disconnect ground cable (1) from battery ground terminal, **Fig. 2**.
6. Open terminal cover (arrow) over battery positive terminal, **Fig. 2**.



**Fig. 1 Service cover removal**

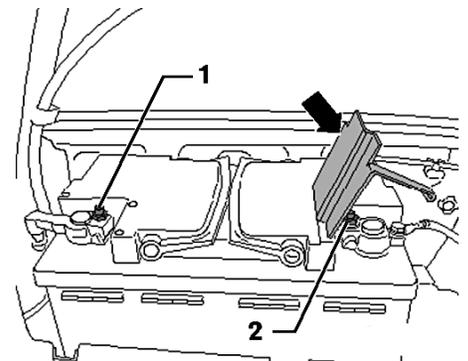


**Fig. 3 Central venting hose removal**

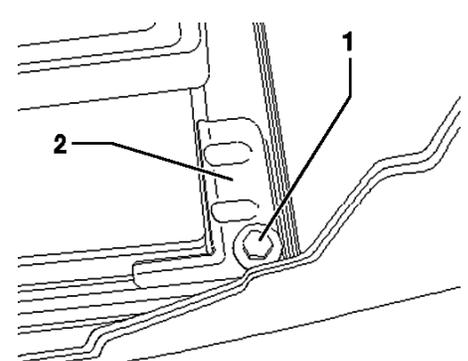
7. Disconnect positive cable (2) from battery positive terminal, **Fig. 2**.
8. Remove hose for central venting system (1) from battery, **Fig. 3**.
9. Remove bolt (1) and bracket (2), **Fig. 4**.
10. Fold handles up and remove battery.

#### Installation

1. Place battery into vehicle.
2. Install bracket (2) and bolt (1), **Fig. 4**. **Torque** bolt to 26 ft. lbs.
3. Install central gas venting hose, ensuring that central gas venting hose (1) is inserted into rubber grommet (2) and is not kinked after installation, **Fig. 5**.
4. Connect battery positive cable (2) to battery positive terminal and **torque** to 53 inch lbs., **Fig. 2**.
5. Close terminal cover (arrow) over battery positive terminal, **Fig. 2**.

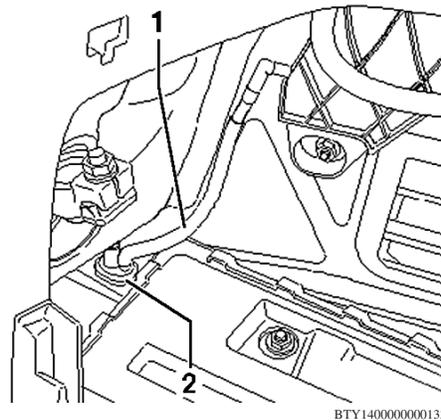


**Fig. 2 Battery cable removal**



**Fig. 4 Battery bracket removal**

6. Connect battery ground cable (1) to battery ground terminal and **torque** to 53 inch lbs., **Fig. 2**.
7. Install service cover (1) to side trim panel (2), **Fig. 1**.
8. Turn ON ignition using either key or start system button and then turn it OFF again.
9. Read DTC memory using a suitable vehicle diagnostic tester.
10. Inspect clock and set to correct time as required.
11. Open all windows all the way down and then close them again. Then, with windows closed, pull window switch until relay audibly switches. While window switch is operated, window must close without holding switch.
12. Inspect functionality and code radio again, as required.
13. Perform function test of all electrical consumers.



**Fig. 5 Central venting hose installation**

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