

VOLKSWAGEN

2012-14 Passat 1.8L, 2.0L & 2.5L

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.

BATTERY

Removal

1. Record radio anti-theft code and station presets.
2. Turn OFF ignition and all electrical consumers and remove ignition key.
3. Remove battery jacket (1), **Fig. 1**.
4. Loosen clamp (1) and remove battery ground cable from battery ground terminal, **Fig. 2**.
5. Loosen clamp (2) and remove positive cable from battery positive terminal, **Fig. 2**.
6. Remove bolt (1) and clamping plate (2), **Fig. 3**.
7. Fold handles up and remove battery.

Installation

After connecting the battery and switching the ignition ON, the ASR/ESP indicator lamp lights up continuously. The ASR/ESP control lamp goes out automatically if a straight distance is driven at 9 to 13 mph. This activates the steering angle sensor.

1. Install battery into vehicle.
2. Install clamping plate (2) and bolt (1), **Fig. 3**. **Torque** bolt to 15 ft. lbs.
3. Connect battery positive cable to battery positive terminal and **torque** clamp (2) to 53 inch lbs., **Fig. 2**.
4. Connect battery ground cable to battery ground terminal and **torque** clamp (1) to 53 inch lbs., **Fig. 2**.
5. Install battery jacket (1), **Fig. 1**.
6. Turn ON ignition using either key or start system button and then turn it OFF again.
7. Read DTC memory using a suitable vehicle diagnostic tester.
8. Inspect clock and set to correct time as required.
9. Open all windows all the way down and



Fig. 1 Battery jacket removal

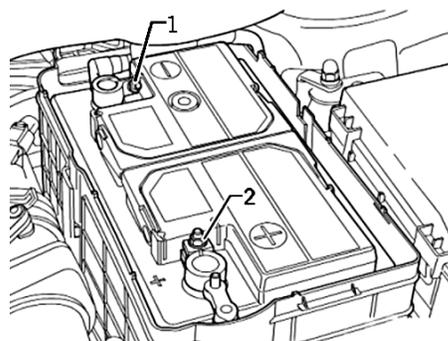
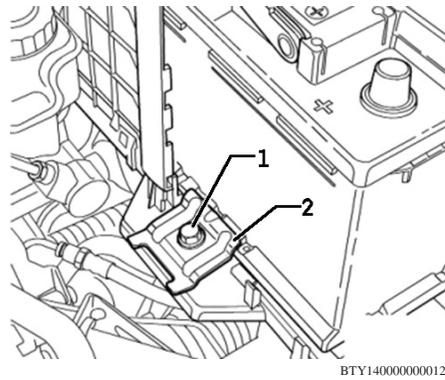


Fig. 2 Battery cable removal

- 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.
10. Inspect functionality and code radio again, as required.
 11. Perform function test of all electrical consumers.



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Fig. 3 Clamping plate removal

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