

VOLKSWAGEN 2004-11 Touareg

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 battery, skin can be burned by acid, and 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 battery is handled inappropriately, the emitted gases may cause 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 vehicle body before touching battery.

Warning: Only perform battery procedures in suitable and well-ventilated locations.

Note: After battery disconnection, the ESP and level control system indicator lamps do not go out automatically after driving straight a short distance. After driving and then switching ignition off, switch ignition on and off again. By switching ignition on and off, the DTC entry in the ESP control module (caused by disconnecting and connecting battery) is set to sporadic and indicator lamps go out. The sporadic fault is automatically erased from DTC memory after 40 driving cycles (without fault occurring again).

BATTERY

With Battery Under Driver's Seat

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. Unlock doors with unlock button on radio-frequency remote control or Keyless Access to disable Anti-Theft system.
5. Remove lefthand front seat rail cover.
6. Remove lefthand front seat trim.
7. Remove lefthand front seat mounting bolts (arrows), **Fig. 1**.
8. Tilt seat frame and seat to rear.
9. Remove screw (1) and remove air guide (2), **Fig. 2**.

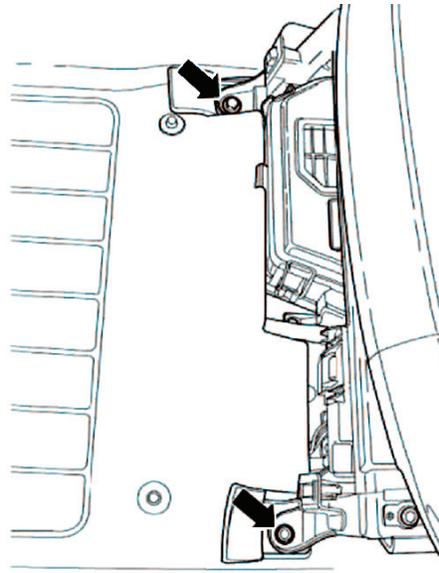


Fig. 1 Front seat bolt locations

10. Open battery box clips (arrows) and remove cover, **Fig. 3**.
11. Loosen ground cable terminal clamp, and disconnect battery ground cable.
12. Loosen positive cable terminal clamp, and disconnect battery positive cable.
13. Disconnect central gas vent hose from top cover.
14. Remove bolt (1) and battery bottom rail bracket (2), **Fig. 4**.
15. Remove bolt (1) and retainer bracket (2), **Fig. 5**.
16. Fold battery handles upward.
17. Grasp battery by handles and lift from battery box.

INSTALLATION

1. Install bottom rail bracket (2), and **torque** bolt (1) to 88 inch lbs.
2. Install battery bracket (2), and **torque** bolt (1) to 79 inch lbs.
3. Connect central gas vent hose to battery, and ensure that it is not pinched or crimped.
4. Place positive terminal clamp onto battery positive terminal, and **torque** to 53 inch lbs.
5. Place ground terminal clamp onto battery ground terminal, and **torque** to 53 inch lbs.
6. Install battery box cover, **Fig. 3**.
7. Install lefthand front seat mounting bolts (arrows), and **torque** to 33 ft. lbs., **Fig. 1**.
8. Reset all preset and theft codes previously recorded to radio.
9. Completely open and close all power windows.

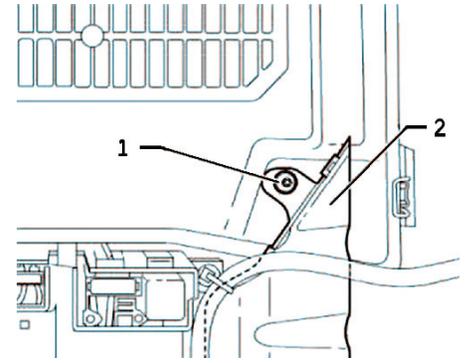


Fig. 2 Air guide removal

10. Inspect any affected system or component such as clock, comfort adjustment, or compass for proper settings, and adjust as required.
11. Drive vehicle straight a short distance then switch ignition off, then switch ignition on and off again. By switching ignition on and off, DTC entry in ESP control module (caused by disconnecting and connecting battery) is set to sporadic and indicator lamps go out.

With Battery in Luggage Compartment

Note: On vehicles without collapsible spare tire, an Absorbent Glass Mat (AGM) battery must also be installed. On vehicles with a collapsible spare tire, there may also be a wet battery with visual indicator (visual indicator).

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. Lift and remove luggage compartment floor cover.
5. Open retaining clips on battery cover.
6. Remove retaining strap nuts (arrows), **Fig. 6**.
7. Remove retaining straps and battery cover.
8. Loosen ground cable terminal clamp, and disconnect battery ground cable.
9. Loosen positive cable terminal clamp, and disconnect battery positive cable.
10. Disconnect central gas vent hose from top cover.
11. Remove nut (1) and remove battery bottom rail bracket (2), **Fig. 7**.
12. Fold battery handles upward.
13. Grasp battery by handles and lift from battery box.

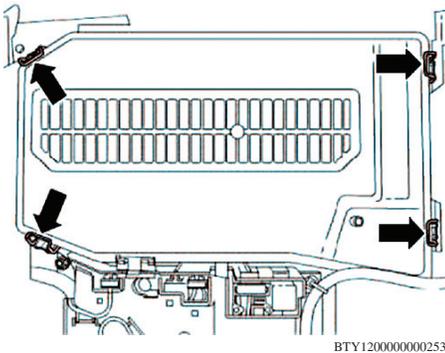


Fig. 3 Battery cover removal

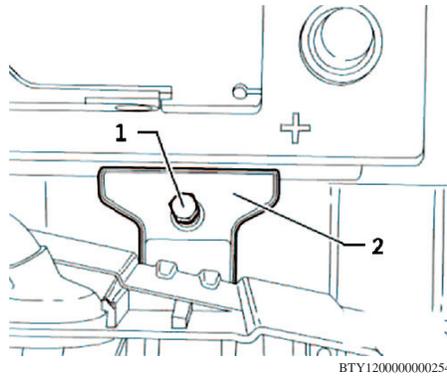


Fig. 4 Bottom rail bracket removal



Fig. 5 Retainer bracket removal

INSTALLATION

1. Position battery into position.
2. Install bottom rail bracket and nut, and **torque** nut to 10 ft. lbs.
3. Place positive terminal clamp onto battery positive terminal, and **torque** to 53 inch lbs.
4. Place ground terminal clamp onto battery ground terminal, and **torque** to 53 inch lbs.
5. Connect central gas vent hose from top cover.
6. Install battery cover and retaining straps. Tighten retaining strap nuts (arrows), **Fig. 6**.
7. Close retaining clips on battery cover.
8. Install luggage compartment floor.
9. Completely open and close all power windows.
10. Reset all preset and theft codes previously recorded to radio.
11. Inspect any affected system or component such as clock, comfort adjustment, or compass for proper settings and adjust as required.

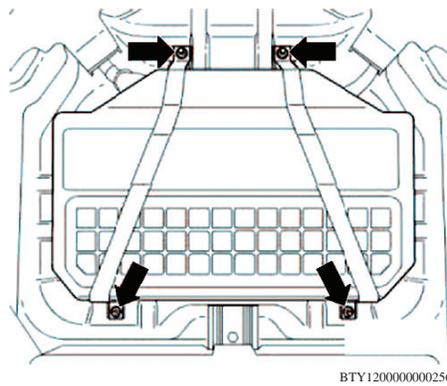


Fig. 6 Battery cover removal

12. Drive vehicle straight a short distance then switch ignition off, then switch ignition on and off again. By switching ignition on and off, DTC entry in ESP control module (caused by disconnecting and connecting battery) is set to sporadic and indicator lamps go out.

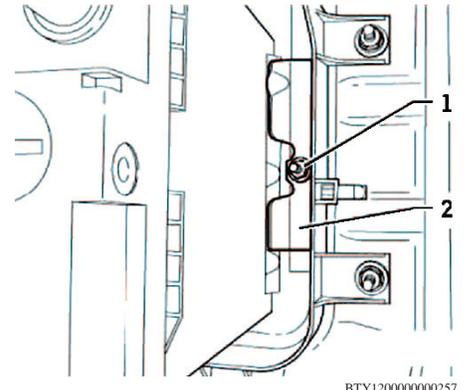


Fig. 7 Battery removal

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