

VOLKSWAGEN 2012-14 Beetle

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.

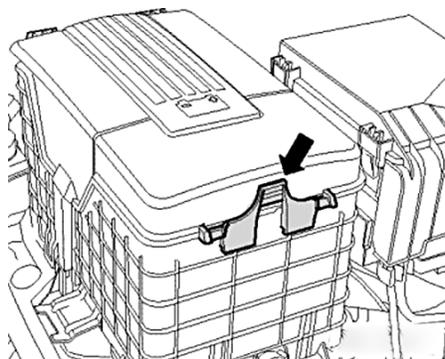


Fig. 1 Battery case cover removal



Fig. 2 Battery jacket removal

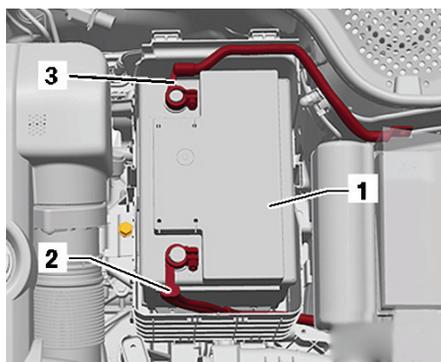


Fig. 3 Battery cable removal

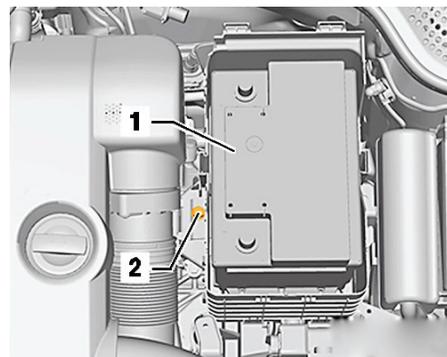


Fig. 4 Battery removal

BATTERY

Removal

1. Record radio anti-theft code and station presets.
2. Switch OFF ignition and all electrical consumers and remove ignition key.
3. **On models equipped with a battery housing,** open locking mechanism (arrow) and remove battery case cover, **Fig. 1.**
4. **On models equipped with a battery jacket,** open battery jacket (1), **Fig. 2.**
5. **On all models,** disconnect battery ground cable (3) from battery ground terminal, then disconnect battery positive cable (2) from battery positive terminal, **Fig. 3.**
6. **On models equipped with diesel engine,** remove air filter housing, mass airflow sensor and connecting tube.
7. **On all models,** remove bolt (2) and remove clamping plate, **Fig. 4.**
8. Remove battery (1), **Fig. 4.**

Installation

After connecting the battery and switching the ignition ON, the ASR/ESP indicator lamp lights up continuously. The ASR/ESP indicator lamp goes out automatically if a straight distance is driven at 9 to 12 mph. This activates the steering angle sensor.

After replacing, the battery must be adapted with a suitable vehicle diagnostic tester.

1. Install battery (1), **Fig. 4.**
2. Install clamping plate and bolt (2), **Fig. 4.** Torque bolt to 15 ft. lbs.
3. **On models equipped with diesel engine,** install connecting tube, mass airflow sensor, and air filter housing.
4. **On all models,** disconnect connector (5) on battery monitoring control module (3), **Fig. 5.**
5. Connect ground cable (4) to ground terminal of battery (6) and torque nut

- to 53 inch lbs., **Fig. 5.**
6. Connect battery positive cable (2) to battery positive terminal and torque nut to 53 inch lbs., **Fig. 3.**
7. **On models equipped with a battery jacket,** close battery jacket (1), **Fig. 2.**
8. **On models equipped with a battery housing,** install battery case cover and close locking mechanism (arrow), **Fig. 1.**
9. **On all models,** switch ignition ON using ignition key and switch it OFF again.
10. Read DTC memory using vehicle diagnostic tester.
11. Inspect clock and set to correct time as required.
12. Open all windows completely and close again. While window switch is operated, window must close without holding switch.
13. Perform function test of all electrical consumers.

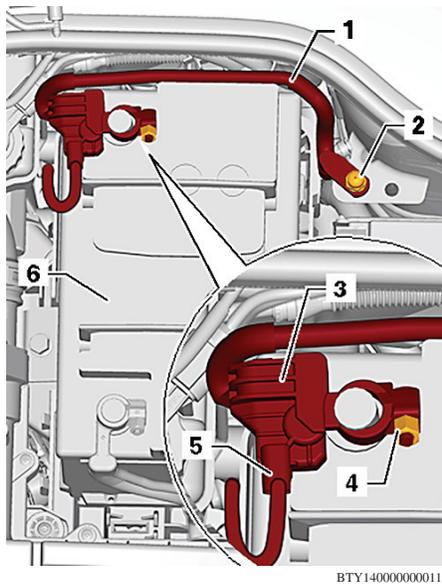


Fig. 5 Battery ground cable installation

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