

AUDI 2013-14 S6

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.

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: Danger of personal injury when engine starts automatically. When Start/Stop System is activated (indicator lamp in instrument cluster is on), engine can start up automatically. Always ensure Start/Stop System is deactivated whenever working on vehicle. Switch OFF ignition.

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

The ABS lamp may be illuminated after connecting battery, but will go out after vehicle is driven for a short period.

BATTERY

Removal

1. Record radio station presets.
2. Turn off all lamps and accessories.
3. Turn ignition switch to OFF position.
4. Lift luggage compartment floor covering by handle and fold it forward.
5. Remove pressure reservoir with lines still connected and move it to side, if equipped.
6. Remove vehicle tools.
7. Remove screws (arrows) and bracket (1), **Fig. 1**.
8. Remove battery ground terminal cover (7) from battery (arrows), **Fig. 2**.
9. Loosen nut (4) a few turns and disconnect ground cable from battery ground terminal (5), **Fig. 2**.
10. Remove cover (1) over battery positive terminal, **Fig. 2**.
11. Loosen nut (2) a few turns and remove

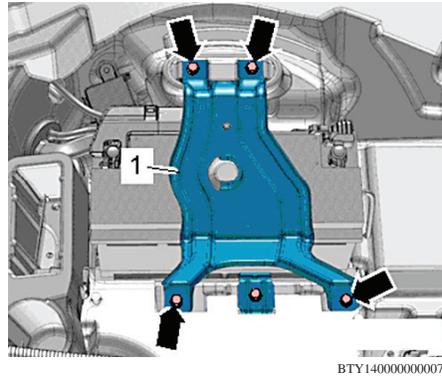


Fig. 1 Battery bracket removal

- positive cable (3) with main fuse panel from battery positive pole, **Fig. 2**.
12. Disconnect central gas vent hose (6), **Fig. 2**.
13. Remove bolt (8) on battery mounting bracket (9), **Fig. 2**.
14. Remove battery from battery tray and remove it from luggage compartment.

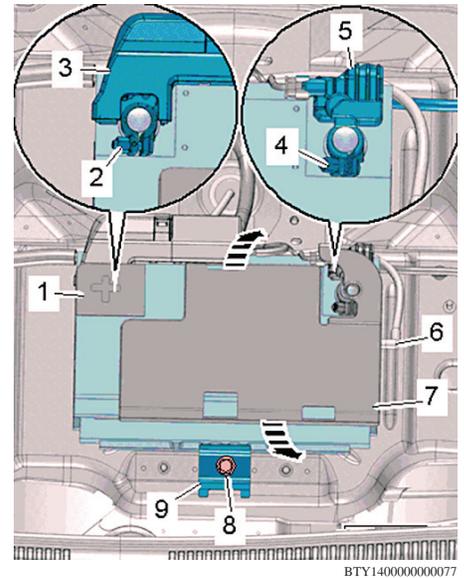


Fig. 2 Battery cable removal

Installation

1. Install battery in battery tray so that battery clamping strip fits into strip in battery tray (arrow), **Fig. 3**. It should no longer be possible to move battery.
2. Install battery bracket (5). Tab (arrow) on battery bracket must fit into opening on battery clamping strip (4), **Fig. 4**.
3. Install bolt (6) to battery bracket and **torque** to 13 ft. lbs., **Fig. 4**.
4. Connect hose for central venting system (3), **Fig. 4**.
5. Turn OFF ignition and all electrical loads, and connect battery in following sequence:
 - a. First connect positive battery cable (2) to battery positive terminal by hand and **torque** nut to 44 inch lbs., **Fig. 4**.
 - b. Close cover (1) over battery positive terminal, **Fig. 4**.
 - c. Disconnect connector (3) on battery monitoring control module (1), **Fig. 4**.
 - d. Connect ground battery cable to battery ground terminal by hand and **torque** nut to 44 inch lbs.
 - e. Connect electrical connector on battery monitoring control module.

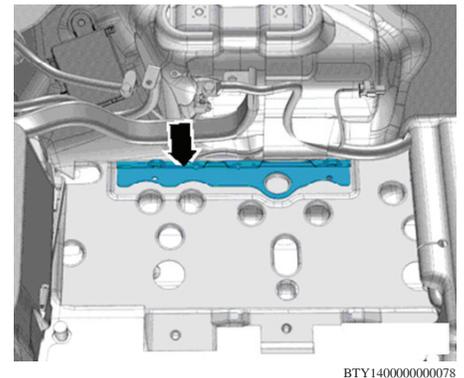


Fig. 3 Battery clamping strip

6. Install battery ground terminal cover on battery.
7. Install bracket (1) and **torque** screws (arrows) to 13 ft. lbs., **Fig. 1**.
8. Adapt battery using a suitably programmed vehicle diagnostic tester.
9. When battery is connected, activate one touch up/one touch down power window regulators.
10. Inspect all DTC memories and erase under voltage DTC, if required, using a suitable vehicle diagnostic tester.

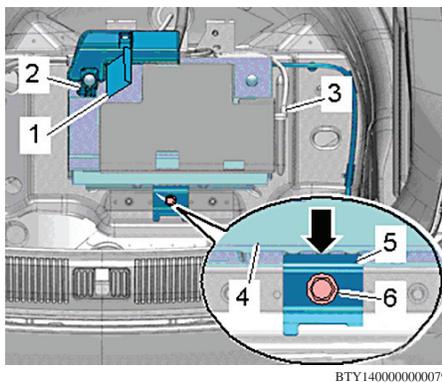


Fig. 4 Battery bracket installation

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