

AUDI 2010-14 Q7

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.

Caution: On TDI Models, after ignition is switched OFF, reducing agent goes from metering line to reducing agent injector and back into reducing agent active chamber. Wait until all reducing agent has been returned before working in this area. This could take up to 10 minutes after switching OFF ignition. Only after this is complete can battery be disconnected.

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

BATTERY Removal

Note: Any time battery has been disconnected on an automatic transmission vehicle, it will be required to re-establish Transmission Control Module (TCM) basic settings using a suitable scan tool.

1. Record radio station presets.
2. Turn off all lamps and accessories.
3. Turn ignition switch to OFF position.
4. **On TDI models**, wait 10 minutes.
5. **On all models**, remove screw (2) and pull up floor vent (1), **Fig. 1**.
6. Remove cover on rear seat rail.

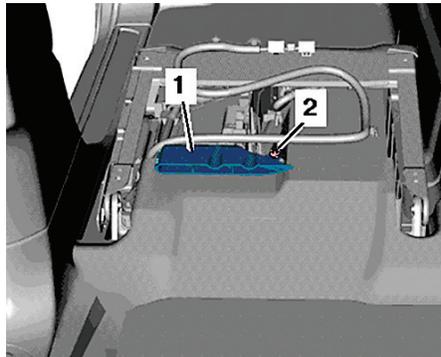


Fig. 1 Floor vent removal

7. Open rear clips (1) with a screwdriver, **Fig. 2**.
8. Remove cover in direction of arrow B from driver's seat console, **Fig. 3**.
9. Pry covers (1, 3) out of floor covering using a suitable trim tool, **Fig. 4**.
10. Remove both front screws (4) on driver's seat console and tip up console (2), **Fig. 4**.
11. Free up wiring harness for driver seat.
12. Move backrest and seat surface forward with driver seat folded.
13. Remove cover (2) over battery by releasing retaining clamps (1), **Fig. 2**.
14. Disconnect ground cable (2) and positive cable (3) at battery, **Fig. 5**.
15. Disconnect central gas venting system tube (1), **Fig. 5**.
16. Remove threaded pins (4) with battery bracket, **Fig. 5**.
17. Remove screw (5), and remove upper battery bracket (6), **Fig. 5**.
18. Raise battery out of battery mount.

Installation

Note: Any time battery has been disconnected on an automatic transmission vehicle, it will be required to re-establish Transmission Control Module (TCM) basic settings using a suitable scan tool.

1. Insert battery in battery mount so that base strip engages in battery mount retaining strips (arrows), **Fig. 6**. It should no longer be possible to move battery.
2. **Torque** upper battery bracket (6) screw (5) to 79 inch lbs., **Fig. 5**.
3. Insert battery bracket, and **torque** threaded pins (4) to 14 ft. lbs.
4. Connect positive cable terminal clamp (3) to battery positive terminal, and **torque** nut to 53 inch lbs.

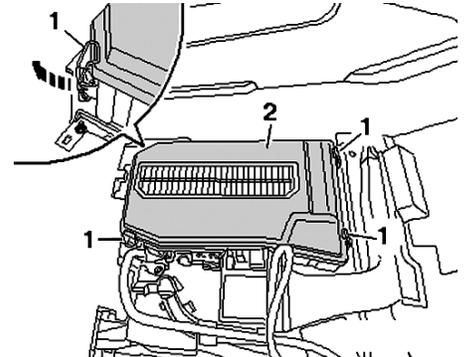


Fig. 2 Battery cover clip locations

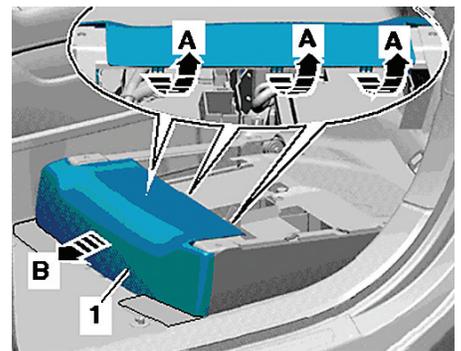


Fig. 3 Battery cover removal

5. Connect ground cable terminal clamp (3) to battery ground terminal, and **torque** nut to 53 inch lbs.
6. Connect central gas venting system tube (1), **Fig. 5**.
7. Install seat console into position.
8. Install battery cover.
9. Activate power window regulator one-touch up/down function. Refer to owner's manual for more information.
10. Synchronize spare and additional keys to ensure remote control operation. To do so, insert key into ignition lock, switch ignition ON and OFF again, and remove key.
11. Inspect any affected system or component such as clock, comfort adjustment, or compass for proper settings, and adjust as required.
12. **On models equipped with automatic transmission**, re-establish Transmission Control Module (TCM) basic settings using a suitable scan tool.

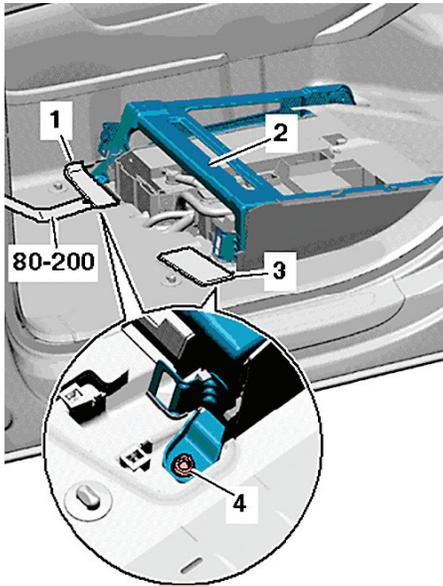


Fig. 4 Seat console removal

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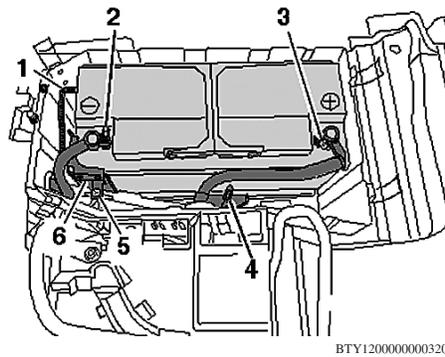


Fig. 5 Battery removal

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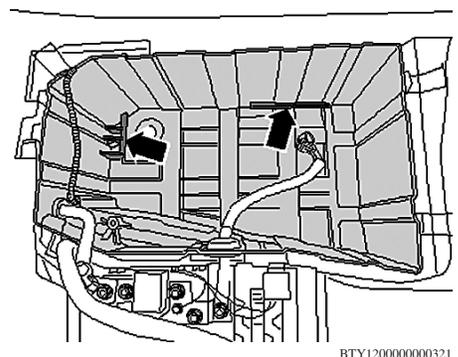


Fig. 6 Battery installation

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