

# AUDI 2010-12 R8

## 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.

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

## BATTERY Removal

1. Record radio station presets.
2. Turn off all lamps and accessories.
3. Turn ignition switch to OFF position.

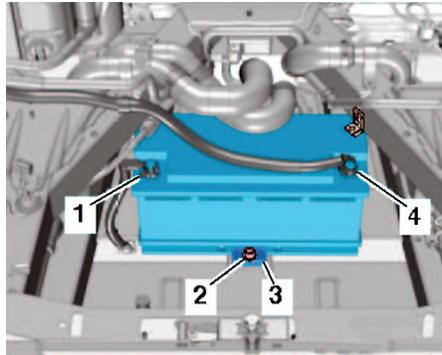
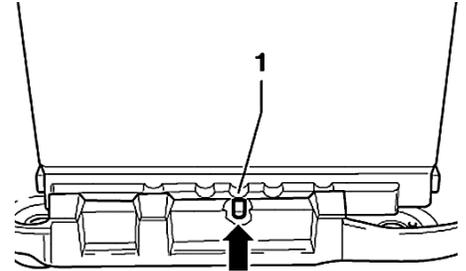


Fig. 1 Battery removal

4. Remove luggage compartment liner.
5. Loosen nut (1) a few turns, and remove ground cable terminal clamp from battery terminal, Fig. 1.
6. Loosen nut (4) a few turns, and remove positive cable terminal clamp from battery terminal, Fig. 1.
7. Remove screw (2) at battery bracket (3), Fig. 1.
8. Remove battery from battery mount.
9. Remove battery from battery tray.

## Installation

1. Insert battery in battery mount so base strip engages in battery mount retaining strips. Battery carrier tab must engage at rear (arrow) in opening in battery base strip (1), Fig. 2. Battery is properly inserted when center notch of battery base reinforcement aligns with threaded hole in battery carrier. It



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Fig. 2 Battery installation

should no longer be possible to move battery.

2. Position battery bracket (3), Fig. 1. Lug at battery bracket must engage in recess at battery base strip.
3. Install and **torque** bracket mounting nut (2) to 12 ft. lbs., Fig. 1.
4. Connect positive cable terminal clamp (4) to battery positive terminal, and **torque** nut to 53 inch lbs.
5. Install ground cable (1) on battery ground terminal, and **torque** nut to 53 inch lbs.
6. Install luggage compartment liner.
7. Activate power window regulator one-touch up/down function. Refer to owner's manual for more information.
8. 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.
9. Inspect any affected system or component such as clock, comfort adjustment, or compass for proper settings, and adjust as required.

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