2019-2024 Audi A8 - Replace Battery

2019-2024 Audi A8 | Moderate | 1-2 hours | $275 DIY

TOOLS

10mm Socket Flathead Screwdriver Jack Stands Torque Wrench Battery Terminal Cleaner Gloves Safety Glasses Multimeter Battery Terminal Protector Flashlight 13mm Socket Trim Removal Tool Diagnostic Scan Tool

PARTS

12V Car Battery $250.00
Battery Terminal Protector $10.00
Battery Terminal Cleaner $15.00

STEPS

1. **Prepare the vehicle - A8 battery: TRUNK. You need a Group 48 (H6) AGM - check the PR** sticker, as some use Group 47 - and a scan tool for registration. REGISTRATION IS MANDATORY; the battery MUST vent outside via the vent tube.
2. **Disconnect negative first - Remove the trunk trim panels carefully. Once exposed,** disconnect the NEGATIVE terminal first (black, minus) with a 10mm wrench and tuck the cable aside. Switch the trunk light off so it doesn't drain the new battery.
3. **Remove the hold-down - Remove the battery hold-down (a base clamp) with a 13mm socket,** keeping the hardware. Disconnect the vent tube - it reconnects to the new battery. Note the orientation and PR code, and photograph the old label's Ah rating for registratio...
4. **Lift out the old battery - Lift the old battery out of the trunk - the Group 48 AGM is** heavy. Verify the replacement: Group 48 (H6) AGM, 680 CCA (some use Group 47 - check the PR sticker). The A8 requires AGM - never flooded.
5. **Clean the tray and terminals - Clean the trunk battery tray and check for moisture -** trunk seals can leak; the tray must be dry. Clean the terminals with a wire brush. Inspect the vent tube for cracks or blockages and replace if deteriorated.
6. **Install the new battery - Place the new Group 48 AGM in the trunk tray. Reconnect the** vent tube to the new battery's vent port - mandatory on trunk batteries. Reinstall the hold-down securely; the battery must not move. Double-check the vent tube isn't kinked.
7. **Reconnect positive first - Reconnect POSITIVE first, then the negative. Perform BATTERY** REGISTRATION: open the battery management module, select 'Replace Battery,' and enter the new battery's Ah rating and type (AGM). Not optional - the A8 won't properly charge an...
8. **Verify and complete - Reinstall the trunk trim panels (all clips engaged) and close the** trunk. Start the vehicle: no battery warnings, working start/stop, all electronics functional. Confirm registration succeeded. If warnings appear or start/stop fails, regist...

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