2022-2026 BMW i4 - Replace 12V Battery

2022-2026 BMW i4 | Moderate | 1 hour | $290 DIY

TOOLS

10mm Socket Flathead Screwdriver Jack Stands Torque Wrench Battery Terminal Cleaner Multimeter Insulated Gloves Safety Glasses Plastic Pry Tool Battery Terminal Protector Diagnostic Scan Tool

PARTS

12V Replacement Battery 61 21 8 366 123 $200.00
Battery Terminal Protector 61 13 8 366 456 $10.00
Battery Tray 61 21 8 366 789 $50.00
Battery Hold-Down Clamp 61 21 8 366 456 $30.00

STEPS

1. **Prepare the vehicle - ELECTRIC VEHICLE - this guide covers the 12V AUXILIARY battery, NOT** the high-voltage traction battery. The 12V aux is underhood/in the frunk. Need: AGM 12V auxiliary, 10mm socket, diagnostic tool (ISTA or BimmerLink) for registration. Do...
2. **Disconnect negative first - Locate the 12V auxiliary battery under the hood/frunk.** Disconnect the NEGATIVE terminal first (black, minus) with a 10mm wrench. Warning messages on disconnect are normal. Don't touch any orange high-voltage cables. Tuck the negative cable...
3. **Remove the hold-down - Remove the battery hold-down. Keep the hardware. Note the battery** orientation and specs from the label - you'll need the Ah rating for registration. Double-check you're working on the 12V battery, not any high-voltage components.
4. **Lift out the old battery - Lift the old 12V battery out - it's smaller and lighter than** an ICE battery. Note the orientation. Verify the replacement: AGM 12V auxiliary. Don't install a full-size ICE battery - confirm the specs match the label.
5. **Clean the tray and terminals - Clean the tray and terminals with a wire brush. Inspect** the terminal clamps and ensure the tray is dry. Confirm no high-voltage cables run near the 12V tray where they could be damaged.
6. **Install the new battery - Place the new AGM 12V auxiliary battery in the tray, matching** the original orientation. Reinstall the hold-down and tighten securely. Ensure the battery is stable and the hold-down engages properly. Double-check terminal positions.
7. **Reconnect positive first - Reconnect the POSITIVE terminal first (red, plus), tightening** the 10mm clamp. Then reconnect the negative. Apply dielectric grease. Perform REGISTRATION via ISTA or BimmerLink - the IBS needs to know a new 12V battery is installed. Witho...
8. **Verify and complete - Close the hood and power on. Verify: no 12V warnings, infotainment** boots, accessories work, high-voltage system engages normally. Confirm via diagnostic tool that registration succeeded - persistent 12V warnings mean it didn't complete.

ezcarfix.com