2017-2023 Chevrolet Bolt EV - Replace 12V Battery

2017-2023 Chevrolet Bolt EV | Moderate | 1 hour | $150 DIY

TOOLS

10mm Socket Wrench 13mm Socket Wrench Flathead Screwdriver Phillips Head Screwdriver Torque Wrench Battery Terminal Cleaner Protective Gloves Safety Glasses Multimeter Battery Terminal Protector Spray

PARTS

12V Absorbed Glass Mat (AGM) Battery ACDB24RAGM $150.00
Battery Terminal Protector Spray 03175 $10.00

STEPS

1. **Prepare the vehicle - The 2017-2023 Bolt EV's 12V is an AUXILIARY battery, not the** high-voltage traction pack. It's under the hood on the left side - you may need to remove the air filter housing for access. You'll need: Group H4 (LN1) AGM (520 CCA minimum)...
2. **Disconnect negative first - Open the hood and locate the 12V battery on the left side of** the engine bay, removing the air filter housing if it blocks access. Always disconnect the NEGATIVE terminal first (black, minus) with a 10mm wrench, then tuck the cable aside.
3. **Remove the hold-down - Remove the battery hold-down - typically a clamp at the base on** the Bolt EV - and keep the hardware. Note the orientation; the H4/LN1 is smaller than a typical ICE battery. Photograph the label to confirm the group size.
4. **Lift out the old battery - Lift the old 12V battery out - it's lighter than an ICE** battery. Verify the replacement: Group H4 (LN1) AGM, 520 CCA minimum. GM specifically requires AGM VRLA - do not install a flooded battery.
5. **Clean the tray and terminals - Clean the battery tray and check for debris, then clean** the terminals with a wire brush. The Bolt's engine bay is clean, so corrosion is minimal - but check anyway. Ensure the tray is dry.
6. **Install the new battery - Place the new Group H4 AGM battery in the tray in the original** orientation. Reinstall the hold-down and tighten securely - the battery must not move. Double-check the label says AGM/VRLA, then reinstall the air filter housing if removed.
7. **Reconnect positive first - Reconnect the POSITIVE terminal first (red, plus) and tighten** the 10mm clamp, then the negative. Apply dielectric grease. No registration needed - the Bolt recognizes the new 12V immediately; ensure connections are tight.
8. **Verify and complete - Close the hood and power on - the Bolt may take a moment to boot.** Verify infotainment, accessories, and no 12V warnings, with the high-voltage system engaging (ready light).

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