2023-2024 Kia Niro EV - 12V Battery Replacement

2023-2024 Kia Niro EV | Easy | 20-30 minutes | $290 DIY

TOOLS

10mm wrench or socket Socket set for hold-down hardware Wire brush or terminal cleaner Gloves and eye protection

PARTS

1x 12V auxiliary battery (correct fitment for 2023-2024 Niro EV) $290.00

STEPS

1. **Power off the vehicle - Power the Niro EV fully off with the key fob well away from the** car. The 12-volt battery powers the computers and accessories even though the drive battery is high-voltage. Confirm the dashboard is completely dark before opening the hood.
2. **Access the 12V auxiliary battery - Open the hood and remove the plastic covers over the** front compartment to expose the 12-volt battery. Set the clips and covers aside in order. You're done when both terminals and the hold-down are clearly visible.
3. **Disconnect the negative terminal - Loosen the negative (-) terminal nut with a 10mm** wrench and lift the cable clamp off the post. Negative comes off first so a slipping tool can't short against the body. Tuck the cable where it can't touch the post.
4. **Disconnect the positive terminal - Loosen the nut on the positive (+) terminal and lift** its cable clamp off the post. Note the cable routing and any red protective cover for reassembly. Both cables are clear when neither clamp touches a battery post.
5. **Remove the hold-down and old battery - Unbolt the hold-down bracket and lift it off. Lift** the old battery straight out, keeping it upright. Clean the tray and cable clamps with a wire brush while the tray is empty.
6. **Install the new battery - Set the new 12-volt battery into the tray with the terminals on** the correct sides and confirm it sits flat. Reinstall the hold-down and tighten snugly so the battery can't shift - it's secure when it doesn't rock.
7. **Reconnect and power up - Connect the positive cable first, then the negative, tightening** both nuts firmly with the 10mm wrench. Refit the covers, close the hood, and power the vehicle on. Done when the car powers up with no 12-volt or electrical warnings.

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