2005-2015 Nissan Xterra - Battery Replacement

2005-2015 Nissan Xterra | Easy | 30-90 minutes | $180 DIY

TOOLS

10 mm wrench or socket, ratchet, and short extension Battery terminal brush and electrical-safe cleaner Memory saver only if the vehicle procedure permits it Gloves, eye protection, and a small flashlight

PARTS

Replacement 12-volt battery for 2005-2015 Nissan Xterra; verify group size, CCA, terminal layout, and VIN fitment $180.00 Anti-corrosion terminal protectant or felt washers (optional) $8.00

STEPS

1. **Confirm the right battery for your Xterra year - Xterra battery size changed mid-run:** 2005-2009 takes Group 24F (OE about 550 CCA); 2010-2015 takes Group 35. Read the group size off your old battery's label before buying and match or exceed its CCA.
2. **Park, make it safe, and preserve your settings - Park on level ground, brake set,** ignition off, key out. Wear safety glasses and gloves. An OBD-II memory saver keeps presets and ECU values alive - Xterras idle rough after a power loss without one. Tools: 10 mm wrench, hold-down socket.
3. **Disconnect the old battery, negative first - Loosen the negative (black) clamp with the** 10 mm wrench and twist it off. Note the fusible-link block's position on the positive terminal, loosen its nut, and lift both off together. Never pry clamps with metal tools or bridge the posts.
4. **Remove the hold-down and install the new battery - Unbolt the hold-down and lift the old** battery out (24F ~40 lbs; 35 ~37 lbs). Clean the tray and clamps, then dry. Seat the new battery with the positive post top right and the fusible-link block as your photo shows; bolt the hold-down down.
5. **Reconnect, relearn, and verify the charging system - Reconnect positive (with** fusible-link block) first, then negative, snug so clamps can't twist. Start up - strong crank, no battery light. Idle about 10 minutes, then drive varied conditions so the ECU relearns. Verify running voltage (ab...

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