2016-2024 BMW X1 - Battery Replacement

2016-2024 BMW X1 | Moderate | 60-90 minutes | $140 DIY

TOOLS

10mm wrench or socket 13mm socket set Ratchet with extensions Trim pry tool set Safety glasses Nitrile gloves Battery terminal brush Terminal protectant spray BMW-compatible scan tool for battery registration

PARTS

Correct group-size battery $140.00
Terminal cleaner $8.00
Terminal protectant $7.00

STEPS

1. **Power down - the F48 battery is buried under the cowl - Put on safety glasses and gloves.** Park on level ground, set the parking brake, and switch the ignition fully off with the key removed. Budget up to 90 minutes and gather a 10mm wrench, 13mm socket set, trim pry tools, terminal brush, and y...
2. **Strip the seal, cowl covers, and structural brace - Then unclip and remove the cowl trim** panels covering the battery area, and unbolt the structural brace that crosses over it - keep every bolt and clip in a tray in removal order.
3. **Disconnect the terminals, negative first - With the battery exposed, loosen the negative** (black, minus) terminal nut with the 10mm wrench and lift the cable end off the post, tucking it where it cannot spring back. Then remove the positive (red, plus) cable from under its flip-up c...
4. **Unbolt the hold-down and lift the battery out - Unbolt the hold-down clamp or wedge block** securing the base of the battery - a 13mm bolt, usually reached with an extension. Pull the vent tube elbow off the side of the battery if one is fitted. Now lift the old battery straight up and...
5. **Seat the new battery and refit the hold-down - Lower it into the tray in the identical** orientation. Refit the hold-down clamp or wedge block and tighten its bolt until the battery cannot move - this one lives in a high-vibration spot.
6. **Reconnect positive first and negative last - Brush the cable ends clean until the metal** shines, then reconnect in reverse order: positive first, negative last. Tighten each 10mm nut until the cable end is snug and cannot be twisted on the post by hand.
7. **Refit the brace and cowl, power up, and register the battery - Reset the clock and take a** test drive. Refit the structural brace first and tighten all of its bolts properly - it is a structural part, not decoration.

TORQUE

Battery hold-down 11 Nm 8 ft-lbs

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