2020-2024 BMW X4 - Battery Replacement

2020-2024 BMW X4 | Moderate | 30-45 minutes | $140 DIY

TOOLS

10mm wrench or socket 13mm socket Ratchet with extension Trim pry tool 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 battery is in the rear under the cargo floor - Put on safety glasses and** gloves. Gather a 10mm wrench, a 13mm socket with extension, a trim pry tool, a terminal brush, and your scan tool for the registration step at the end.
2. **Clear the cargo area and remove the well trim - Open the tailgate and clear the cargo** area completely. Lift the cargo floor panel out to expose the battery well. The well trim is held by expanding rivets: pry each rivet's center pin up with the trim tool, then lift the rivet body out.
3. **Disconnect the terminals, negative first - Loosen the negative terminal nut with the 10mm** wrench and work the cable end off the post, tucking it where it cannot swing back onto the battery. Then disconnect the positive cable the same way.
4. **Unbolt the hold-down, free the vent tube, and lift the battery out - Unbolt the hold-down** clamp or bracket at the base of the battery - usually a 13mm bolt - and lift it clear. Pull the vent tube elbow off the side of the battery; it carries hydrogen gas outside the car and has to be refitted on the new...
5. **Install the new battery and refit the hold-down - Lower the new battery into the well in** the same orientation as the old one. Refit the hold-down clamp and tighten its bolt until the battery cannot move at all - a shifting battery will chafe its cables over time.
6. **Reconnect positive first and negative last - Clean the cable ends with the terminal brush** until the metal is bright, 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 trim, power up, and register the new battery - Refit the well trim - seat each** expanding rivet's body first, then push its center pin flush - and lay the cargo floor panel back in place.

TORQUE

Battery hold-down 11 Nm 8 ft-lbs

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