2011-2016 BMW 5 Series - Battery Replacement

2011-2016 BMW 5 Series | Moderate | 30-45 minutes | $147 DIY

TOOLS

10mm wrench or socket 13mm socket ratchet and extension flat-head screwdriver battery terminal brush battery corrosion inhibitor spray battery carrier strap safety glasses work gloves

PARTS

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

STEPS

1. **Access the battery under the trunk floor - Park, switch off the engine, and open the** trunk. Remove the floor carpet and any panels covering the right side of the trunk to reveal the battery well.
2. **Disconnect the negative cable first - Identify the negative terminal with the Intelligent** Battery Sensor clamped to it. Loosen its 10mm nut and lift the cable straight off the post without bending the sensor.
3. **Remove the positive distribution assembly - Flip open the red cover on the positive** terminal. Remove the assembly's retaining nut (10mm) and lift the whole block straight up and off the post - do not yank the cable sideways or strike the block.
4. **Disconnect the vent hose and hold-down - Pull the vent hose off the battery's vent elbow** - the trunk-mounted battery vents hydrogen outside the car, and this hose must be reconnected to the new battery. Remove the hold-down bracket at the battery's base (13mm bolt) and lift...
5. **Swap the batteries - This is a large, heavy battery - lift with your legs or use a** carrier strap. Wipe or brush debris out of the tray, then lower the new battery in with the terminals on the same side as the old one.
6. **Secure and reconnect - Reinstall the hold-down bracket and tighten its 13mm bolt so the** battery cannot move. Push the vent hose firmly onto the new battery's vent elbow. Brush the cable ends and posts clean with a battery-terminal brush and apply corrosion inh...
7. **Start up, reset, and register - Start the engine and verify normal cranking and no new** warning lights. Check your owner's manual and have a dealer or qualified shop complete the registration.

TORQUE

Battery hold-down 11 Nm 8 ft-lbs

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