2019-2024 BMW Z4 - Battery Replacement

2019-2024 BMW Z4 | Moderate | 25-40 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. **Park up - the battery is in the trunk, not under the hood - Park on level ground, engage** the parking brake, and switch the ignition fully off. Put on your safety glasses and gloves. On the G29 Z4 the main battery is not under the hood - it is an AGM battery in the trunk. (A few owners have found...
2. **Note the battery orientation and cable routing - Note the battery's orientation and which** cable reaches which terminal - the well is tight, with no room to turn the battery around later.
3. **Disconnect the terminals, negative first - Loosen the negative terminal nut with a 10mm** wrench and wiggle the cable end off the post. Then remove the positive cable the same way.
4. **Unbolt the hold-down and lift the battery out - Lift the old battery straight up and out** of the well. Unbolt the hold-down bracket or wedge block that clamps the battery to the well - a 13mm bolt at the base of the battery.
5. **Set the new battery in and refit the hold-down and vent tube - Compare the new battery to** the old: same footprint, height, terminal layout, and AGM type. Set it in the same orientation. Refit the hold-down and tighten its bolt so the battery is rock solid. Push the vent tube elbow firmly onto the vent...
6. **Reconnect positive first and negative last - Clean both cable ends with the terminal** brush until they shine, then reconnect in reverse order: positive first, negative last. Tighten each 10mm nut until the cable end sits snug and cannot be twisted on the post by hand.
7. **Register the new battery with a scan tool - The Z4's power management expects the new** battery to be registered with a diagnostic scan tool so it charges the fresh AGM battery correctly - check your owner's manual or have a dealer or BMW specialist perform the registration.

TORQUE

Battery hold-down 11 Nm 8 ft-lbs

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