2014-2021 BMW i3 - Battery Replacement

2014-2021 BMW i3 | Moderate | 45-60 minutes | $147 DIY

TOOLS

Torx bit set 10mm socket and ratchet 13mm socket Trim pry tool Safety glasses Nitrile gloves Battery terminal brush Terminal protectant spray Bluetooth OBD2 adapter and a battery-registration app

PARTS

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

STEPS

1. **Power down and gather tools - this is an EV - Put on safety glasses and gloves. Gather** your Torx bits, 10mm and 13mm sockets, and your OBD2 adapter with a battery-registration app, because the i3 will want the new battery registered afterward.
2. **Remove the frunk covers and lift out the storage bin - Remove the Torx screws holding the** frunk trim covers and lift the covers out. Then lift out the frunk storage bin itself - the 12-volt battery sits underneath it on its tray.
3. **Pull the high-voltage safety connector, then disconnect negative first - Before touching** the 12-volt terminals, pull the high-voltage safety connector - the green plug in the frunk area - straight out to isolate the high-voltage battery, as shown in many i3 DIY videos. Then, with a 10mm socket, loosen the n...
4. **Remove the bracket, vent tube, and washer filler tube - Unbolt the metal bracket that** clamps the battery down - usually a 13mm bolt - and set the bracket aside. Pull the vent tube elbow off the side of the battery so the battery can come out freely. The windshield washer filler tube crosses...
5. **Lift out the old battery and transfer the brass terminal adapters - Lift the old 12-volt** battery up and out of the frunk tray. The i3's battery is a compact AGM unit, and BMW fits special brass terminal adapters onto its posts - unbolt these adapters from the old battery and transfer them onto the new...
6. **Install the new battery and reconnect positive first, negative last - Lower the new** battery into the tray in the same orientation as the old one, with the brass adapters already fitted to its posts. Refit the metal hold-down bracket and snug its bolt so the battery cannot move. Push the vent tube elbow back...
7. **Reconnect the safety plug, refit the frunk, and register the battery - Push the green** high-voltage safety connector back in until it seats, then refit the frunk storage bin, the trim covers, and their Torx screws. Your clock will need resetting, and take a short test drive to confirm everything behaves. Power...

TORQUE

Battery hold-down 11 Nm 8 ft-lbs

ezcarfix.com