2013-2016 Mazda CX-5 | Advanced | 1.5-2.5 hours | $110 DIY

TOOLS

Lug wrench Floor jack Jack stands Metric socket and ratchet set Wrench set Ratchet extensions and swivel Trim clip tool Torque wrench Rag or electrical tape Battery terminal brush Multimeter (optional, for testing)

PARTS

Starter motor $110.00

STEPS

1. **Confirm the diagnosis, then disconnect the battery - Then switch the ignition fully off,** open the hood, and disconnect the negative battery cable, tucking it aside so it can't spring back onto the terminal.
2. **Raise the CX-5 and drop the front under cover - Raise the front of the CX-5 with a floor** jack and lower it onto jack stands at the front support points. The starter on the 2.5L SkyActiv-G sits low at the rear of the engine where it meets the automatic transaxle's bell housing, and Mazda...
3. **Find the starter at the bell housing - From below, locate the starter motor bolted to the** bell housing at the back of the 2.5L engine. Note how the wiring is routed so you can restore it exactly.
4. **Disconnect the starter's wiring, terminal B first - With the negative battery cable** already disconnected, remove the nut holding the main cable on terminal B and ease the cable aside - keep this cable away from the body and your tools, since touching it to ground with power connected thro...
5. **Unbolt and lift out the starter - Remove the starter mounting bolts. Support the** starter's weight as the last bolt comes out; it's heavier than it looks and dropping it can crack the housing or damage the pinion.
6. **Install the new starter and reconnect the wiring - Seat the new starter fully and** squarely into the bell housing. On automatic-transaxle models, Mazda warns not to let the starter overlap the end plate - if it sits crooked, the drive-plate nut can contact the end plate and produce abnorm...
7. **Reassemble and reconnect - Reinstall the front under cover No.2 with all its clips and** bolts, lower the CX-5 off the stands, and reconnect the negative battery cable last.

TORQUE

Starter mounting bolts 45 Nm 33 ft-lbs

ezcarfix.com