

2020-2025 Kia Soul | Moderate | 30-45 minutes

TOOLS

10mm socket and ratchet 5/8-inch spark plug socket Socket extension Spark plug gap gauge

PARTS

4x spark plugs (correct type for 2020-2025 Soul 2.0L engine)
Dielectric grease for coil boots (optional)

STEPS

- 1 Park and disconnect the battery - Park the Soul on level ground, set the parking brake,** and let the 2.0L engine cool completely. A cold engine protects both your hands and the aluminum head threads. Disconnect the negative battery cable with a 10mm wrench and tuck it aside...
- 2 Remove the engine cover - Pull the plastic engine cover straight up off its rubber** grommets to expose the four ignition coils on the valve cover. Set the cover aside. Confirm all four coil packs are visible before continuing.
- 3 Disconnect the coil connectors - Press the release tab on each of the four coil** electrical connectors and pull them straight off the coils. Keep the connectors routed neatly so each returns to its own coil. You are finished when all four connectors hang free.
- 4 Unbolt and remove the coils - Remove the 10mm bolt from each ignition coil and pull the** coils straight up out of the spark plug tubes. Twist gently if a boot sticks to a plug. Lay the coils out in order. The step is complete when all four plug tubes are open.
- 5 Remove the old spark plugs - Insert a 5/8-inch spark plug socket with an extension into** each tube, break each plug loose with a ratchet, and unthread by hand. Inspect the old plugs for excessive electrode wear. All four plugs are out when every tube shows an empty thr...
- 6 Gap and install the new plugs - Verify the gap on each new plug with a gap gauge against** the specification shown in the video. Thread each plug in by hand until it seats, preventing cross-threading. Snug each plug with the socket and ratchet using moderate force. The ste...
- 7 Reinstall the coils - Push each ignition coil down onto its plug until it seats fully,** reinstall the four 10mm coil bolts, and reconnect each electrical connector until it clicks. Confirm no coil sits crooked on its tube. The ignition system is restored when al...
- 8 Reassemble and test - Press the engine cover back onto its grommets and reconnect the** negative battery cable, tightening the 10mm nut. Start the engine and confirm a smooth idle with no check-engine light. The job is complete when the Soul idles smoothly and ac...