

2007-2016 Jeep Compass | Moderate | 30-60 minutes

TOOLS

3/8-inch ratchet and extensions 5/8-inch spark plug socket 10mm socket Feeler gauge
Compressed air or shop vacuum Dielectric grease Safety glasses Work gloves

PARTS

Spark plugs (4, 2007-2016 Jeep Compass 2.4L)
Dielectric grease

STEPS

- 1 Expose the ignition coils - Open the hood of your 2007-2016 Jeep Compass with the 2.4L World engine and let the engine cool completely if it was running. Remove the plastic engine cover by pulling it straight up off its mountin...**
- 2 Disconnect the battery - Disconnect the negative battery cable with a wrench and set it aside so it cannot contact the terminal. This prevents accidental shorts while handling the coil connectors. Completion looks like the n...**
- 3 Unplug the coil connectors - Press the release tab on each ignition coil electrical connector and unplug all four connectors from the coils on top of the valve cover. Label them if needed, though each connector only reaches its...**
- 4 Remove the ignition coils - Remove the small hold-down bolt (typically 10mm) from each ignition coil and pull the coils straight up out of the plug wells. Set them aside in order on a clean rag. Completion looks like four empty...**
- 5 Clean out the plug wells - Blow compressed air into each spark plug well to clear away dirt and debris that could fall into the cylinder. If you do not have compressed air, use a clean rag wrapped around a screwdriver. Complet...**
- 6 Remove the old spark plugs - Fit a 5/8-inch spark plug socket with an extension onto each old plug and turn counterclockwise to remove it. Lift each plug out carefully and inspect it for oil fouling or abnormal wear. Completion...**
- 7 Gap and install the new plugs - Check the gap on each new spark plug with a feeler gauge and set it to the specification for the 2.4L (about 0.043 inches). Thread each new plug into its well by hand using just the socket and extens...**
- 8 Tighten the plugs and prep the coils - Tighten each spark plug snugly with a ratchet, being careful not to overtighten the aluminum cylinder head threads. A small dab of dielectric grease inside each coil boot helps future removal. Comple...**
- 9 Reinstall coils and reconnect - Push each ignition coil back onto its plug until it seats fully, reinstall the hold-down bolts, and reconnect the electrical connectors. Reattach the negative battery cable and press the engine cover...**
- 10 Start the engine and verify - Start the engine and let it idle, listening for a smooth, even rhythm with no misfire or check-engine light. Take a short drive to confirm normal power and acceleration. Completion looks like a smoot...**