

2016-2021 Honda Civic | Moderate | 1 hour | \$200 DIY

TOOLS

10mm Socket 14mm Spark Plug Socket
Ratchet Wrench Socket Extension
Dielectric Grease Torque Wrench
Flathead Screwdriver Fender Cover
Anti-Seize Lubricant

PARTS

NGK Iridium Spark Plugs ILZKAR8H8S \$50.00
Honda Ignition Coils 30520-59B-013 \$150.00

STEPS

- 1 Cool the engine - Work only on a cold engine. Hot aluminum heads can pull threads when plugs are removed.** Disconnect the negative battery terminal if you want extra safety around coils.
- 2 Access the ignition coils - Remove any engine cover or intake tube blocking the coils.** Label coil connectors or photograph the layout so each coil returns to the same cylinder.
- 3 Remove one coil at a time - Unplug the coil connector, remove the coil hold-down bolt,** and pull the coil straight up. Work one cylinder at a time so dirt cannot fall into open plug wells.
- 4 Remove the old spark plug - Blow loose dirt from the well. Use a spark-plug socket with a rubber insert and extension to remove the plug.** Inspect the tip for oil, coolant, or abnormal wear.
- 5 Gap and hand-thread the new plug - Confirm the new plug part number and set the gap to the manufacturer specification if required (many iridium plugs are pre-gapped - check carefully).** Start threading by hand or with a swivel extension to avoid cross-threading.
- 6 Torque to specification - Torque the plug to the spec in the service information** (typically a modest ft-lb or degree value). Overtightening cracks the ceramic or stretches the shell.
- 7 Reinstall the coil - Press the coil fully onto the plug, reinstall the hold-down bolt to snug/spec,** and reconnect the electrical connector until it locks. Repeat for remaining cylinders.
- 8 Reassemble and test - Refit covers/intake components, reconnect the battery if removed,** and start the engine. Listen for misfires and clear any codes if a coil was left unplugged during the job.