2006-2010 Hummer H3 - Spark Plug Replacement

2006-2010 Hummer H3 | Moderate | 60-90 minutes | $64 DIY

TOOLS

5/8-inch spark plug socket Ratchet and extensions 10mm socket Torque wrench Spark plug gap gauge Dielectric grease Compressed air or shop vacuum

PARTS

5x spark plugs (AC Delco 41-103 or equivalent for 3.5L/3.7L inline-5) $55.00
Dielectric grease $9.00

STEPS

1. **Cool down and disconnect the battery - Let the engine cool completely, because the** aluminum cylinder head is easily damaged when hot. Open the hood and disconnect the negative battery cable. The ignition system is now safe to handle.
2. **Remove the air intake resonator - Remove the air cleaner outlet and resonator assembly** from the top of the engine to expose the coil packs. On the H3 this intake tubing lifts off after loosening its clamps. Set it aside so all five coils are accessible.
3. **Disconnect the coil wiring harness - Press the locking tab on each coil's wiring harness** connector and unplug it, keeping track of each connector's cylinder position. Labeling prevents any mix-up when the coils go back on. All five coils are now electrically isolated.
4. **Remove the five ignition coils - Remove the hold-down bolt from each ignition coil and** pull the coil straight up out of its well. If a boot sticks, twist gently rather than yanking it.
5. **Clear the wells and remove the old plugs - Blow grit out of each well with compressed air** so nothing falls into the cylinders. Fit the 5/8-inch spark plug socket on an extension and unscrew each plug.
6. **Gap and install the new spark plugs - Check the gap on each new AC Delco 41-103 plug with** the gap gauge and set it to the specification on the plug box or in the owner's manual. Thread each plug in by hand first to avoid cross-threading, then tighten with the torque wrench to...
7. **Reinstall the coils and intake resonator - Apply a thin smear of dielectric grease inside** each coil boot to ease future removal. Push each coil firmly onto its plug until it seats, refit the hold-down bolts, and reconnect each harness connector to its original cylinder until it cli...
8. **Reconnect the battery and test - Reconnect the negative battery cable and start the** engine. Check for a smooth idle with no misfire or check-engine light. The job is done when the inline-5 idles evenly and accelerates without stumbling.

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