2005-2010 Pontiac G6 - Spark Plug Replacement

2005-2010 Pontiac G6 | Moderate | 45-90 minutes | $47 DIY

TOOLS

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

PARTS

4x spark plugs (correct for 2.4L Ecotec; check owner's manual) $37.00
Silicone paste for coil boots $10.00

STEPS

1. **Cool down and disconnect the battery - Let the engine cool completely, because hot** aluminum threads are easy to damage. Open the hood and disconnect the negative battery cable with the 10mm socket. The ignition system is now safe to handle.
2. **Remove the engine cover - Lift the plastic engine cover off its mounting studs to reveal** the coil packs on top of the 2.4L valve cover. Set the cover aside. All four coils are now exposed in a row.
3. **Unplug the coil connectors - Press the locking tab on each coil's electrical connector** and unplug it, keeping track of each connector's cylinder. The video removes the coil bolts next with the 10mm socket. Labeling prevents any mix-up on reassembly.
4. **Remove the ignition coils - Remove the 10mm hold-down bolt from each coil and pull the** coil straight up out of its well. If a boot sticks, twist gently instead of forcing it.
5. **Clear the wells and remove the old plugs - Blow any grit out of the wells 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 the new spark plugs - Check each new plug's gap with the gauge and set it to the** specification on the plug box or in the owner's manual for the 2.4L engine. Screw the new spark plugs in.
7. **Reinstall the coils with silicone paste - Push each coil firmly down onto its plug until** it seats, refit the 10mm hold-down bolts, and plug each connector back onto its original cylinder until it clicks.
8. **Reassemble and test the engine - Press the engine cover back onto its studs and reconnect** the negative battery cable. Start the engine and check for a smooth idle and no check-engine light.

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