2006-2011 Buick Lucerne - Spark Plug Replacement

2006-2011 Buick Lucerne | Advanced | 1-3 hours | $115 DIY

TOOLS

Metric/SAE socket set with extensions and swivel Spark-plug socket with rubber insert or magnet Torque wrench covering the plug range Compressed air or a soft brush, dielectric grease, gloves, and eye protection 5/8-inch (16mm) spark-plug socket with rubber insert

PARTS

Correct spark plug set for the gasoline/ICE engine in 2006-2011 Buick Lucerne; verify engine, heat range, gap, and VIN fitment $115.00

Coil-boot seals or ignition coils only if inspection finds damage $35.00

STEPS

1. **Confirm engine and plug fitment - Confirm your 2006-2011 Buick Lucerne’s exact engine** before ordering: the 3.8L Series III V6 (the most common) uses the AC Delco 41-101 iridium plug, pre-gapped at 0.060" - buy six and do not re-gap them. The 4.6L Northstar V8 models (CXS...
2. **Cool and expose the plugs - Let the 3.8L cool completely - the aluminum heads strip** easily when hot. The Lucerne’s 3.8L fires through plug wires from three coil packs on a bracket at the front of the engine. Label each wire at both ends before touching anything, th...
3. **Inspect the plug wires - Inspect every wire for cracks, brittleness, and white corrosion** inside the boots; the rear wires bake against the firewall and are a known wear item.
4. **Remove and install plugs - Remove each old plug with a 5/8" spark-plug socket - a swivel** socket and a magnetic pickup tool are almost mandatory for the rear three - and compare its deposits to the new AC Delco 41-101. Even tan deposits across all six is healthy;...
5. **Reconnect and verify - Push each plug wire boot firmly onto its plug and onto the correct** coil-pack tower, following your labels - crossed wires are the classic self-inflicted fault on the 3800. Confirm nothing is pinched behind the engine. Start the Lucerne a...

TORQUE

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