2005-2007 Ford Freestyle - Spark Plug Replacement

2005-2007 Ford Freestyle | 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

PARTS

Correct spark plug set for the gasoline/ICE engine in 2005-2007 Ford Freestyle; verify engine, heat range, gap, and VIN fitment $115.00
Coil-boot seals or ignition coils only if inspection finds damage $35.00
New upper-intake-manifold gasket set

STEPS

1. **Confirm engine and plug fitment - The OE plug is the Motorcraft SP-432. The gap spec was** not verifiable from Ford or Motorcraft sources, so check the gap printed on the plug box against your owner's manual than assuming.
2. **Cool and expose the plugs - Let the engine cool fully - the Duratec's aluminum heads must** be cold before plugs come out. Disconnect the battery's negative terminal and remove the plastic engine cover. Remove the intake ducting, throttle body, and the upper intake m...
3. **Remove coils and inspect boots - Release each coil's electrical connector, remove its** hold-down bolt, and pull the coil straight up. Inspect each coil boot for cracks or carbon tracking; boots this old are brittle, and a damaged boot causes the misfire you are trying to f...
4. **Remove and install plugs - Using a 5/8 in. spark plug socket with an extension, remove** each old plug and compare it to the new Motorcraft SP-432. Verify the gap against your owner's manual spec with a wire gauge - do not assume the box gap is right for this engine...
5. **Reconnect and verify - Reinstall the coils and reconnect every wiring clip, then refit** the upper intake manifold with the NEW gaskets, followed by the throttle body and intake ducting - double-check that every vacuum hose and connector went back where it came...

TORQUE

ezcarfix.com