2002-2005 Ford Thunderbird - Spark Plug Replacement

2002-2005 Ford Thunderbird | 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 2002-2005 Ford Thunderbird; 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 2002-2005 Ford Thunderbird’s engine before** ordering: all of these cars use the 3.9L Jaguar-derived AJ-V8, and the correct service plug is the NGK IFR5E11 (stock 7994) laser iridium, gapped at 0.044" - buy eight. Do not subst...
2. **Cool and expose the plugs - Let the 3.9L V8 cool completely. Remove the Thunderbird’s** decorative coil covers from the top of each valve cover to reveal the eight coil-on-plug units, four per bank. Release the lock and pull the connector body, never the wiring.
3. **Remove the coils - Remove the single bolt holding each Thunderbird coil and lift each** coil straight up out of its deep well, keeping all eight in firing-order sequence so every coil returns to its own cylinder. Inspect each coil boot for oil, cracks, or whit...
4. **Remove the old plugs - Remove each old plug with a 5/8" spark-plug socket on an extension** and compare its deposits and electrode wear to the new NGK IFR5E11. The deep wells hide cross-threading, so never force a plug that binds. Never use an impact for final sea...
5. **Reconnect and verify - Seat each coil fully onto its plug, reinstall its bolt, and** reconnect every coil connector until it locks. Refit the coil covers. Start the Thunderbird and confirm a smooth idle with no check-engine light, then scan for misfire codes (P030...

TORQUE

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