1997-2002 Ford Expedition - Spark Plug Replacement

1997-2002 Ford Expedition | 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 1997-2002 Ford Expedition; 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 - Triton V8 (4.6L or 5.4L): Motorcraft AGSF-22WM** (SP-479), gapped 0.052-0.056 in - buy eight. Warning: these heads engage about four threads, factory torque 11-14 ft-lb. Over-tightening strips threads; an under-tightened plug can blow out....
2. **Cool and expose the plugs - Let the V8 cool completely - hot aluminum heads pull threads.** Early 4.6L trucks may use a coil pack with plug wires; 1999-and-up have coil-on-plug under small covers. Remove the engine cover and ducting. Mark each coil connector.
3. **Remove coils and clean wells - Unplug each coil, remove the hold-down bolt, and lift it** out. These wells collect water - blow each dry before loosening a plug. Inspect boots for cracks or white tracking marks; an arcing boot misfires with a new plug.
4. **Remove and install plugs - Use a 5/8 in spark plug socket. Crack plugs loose. Check the** plug’s gap at 0.052-0.056 in. Thread each new plug in by hand until seated, then torque to the factory spec. Never use an impact or exceed the spec.
5. **Reconnect and verify - Click each connector onto its cylinder. Listen at the manifold - a** loose plug ticks. Road-test and re-scan for P030x; if one cylinder still misfires, swap its coil with a neighbor’s. If the code moves, the coil is bad.

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