1995-2003 Ford Windstar - Spark Plug Replacement

1995-2003 Ford Windstar | 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 1995-2003 Ford Windstar; 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 gaskets

STEPS

1. **Confirm engine and plug fitment - Confirm the engine: the 3.8L V6 takes a 0.052"-0.056"** gap (0.054" nominal) - the Champion Copper Plus RS14LC is a verified fit for the 3.8L. Buy six, and check the VECI emissions decal under the hood for your exact plug and gap.
2. **Cool and expose the plugs - Reach them from below with the front on jack stands, remove** the wiper cowl for top access, or remove the upper intake manifold (buy new gaskets first - never reuse them).
3. **Remove coils and clean wells - Pull each plug wire by its boot - twist gently, never yank** the wire - and note the routing from the coil pack so each wire returns to its cylinder. Blow debris out of every plug well before loosening a plug.
4. **Remove and install plugs - Remove each old plug with a 5/8" spark-plug socket and a long** extension with a swivel for the rear bank. Compare the new plugs' reach to the old and check the gap at 0.052"-0.056". Start each new plug by hand for several threads, then tigh...
5. **Reconnect and verify - Route the plug wires exactly as they were, pressing each boot** firmly onto its plug and coil-pack tower. Reinstall the cowl or intake parts you removed, reconnect the battery if removed, and start the Windstar. Confirm a smooth idle with no...

TORQUE

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