2004-2021 Ford Territory - Spark Plug Replacement

2004-2021 Ford Territory | Moderate | 60-90 minutes | $56 DIY

TOOLS

Spark plug socket Extensions Ratchet Torque wrench Feeler gauge Compressed air Dielectric grease

PARTS

Spark plugs (per Territory engine: Barra I6 or V6) $43.00
Dielectric grease $13.00

STEPS

1. **Access the plugs and clear debris - With the engine cold, remove the engine cover and** disconnect the coil packs, labeling each position. Remove the coil hold-down bolts and lift the coils out. Blow debris from the plug wells with compressed air.
2. **Inspect the ignition coils - With coils out, check each for housing cracks and carbon** tracking on the boot - the Territory's coil packs often crack with age. Replace damaged coils to prevent misfires with the new plugs.
3. **Remove old plugs, gap and fit new ones - Remove each old plug with a spark plug socket** and extension, inspecting the electrodes for wear patterns. Gap the new plugs to the Territory's specification. Thread each new plug in by hand to prevent cross-threading.
4. **Torque plugs and reinstall coils - Torque the plugs to specification with a torque** wrench, taking care with the aluminum heads. Apply dielectric grease to the coil boots and reinstall the coils in their original positions. Reconnect all electrical connectors.
5. **Verify operation - Start the engine and verify a smooth idle with no misfire codes.** Road-test under load to confirm clean performance. The job is complete when the engine runs smoothly across the rev range.
6. **Reset the ECU and road-test - Disconnect the battery for 10 minutes to reset the ECU's** learned fuel trims, letting it adapt to the new plugs. Reconnect, start the engine, and road-test through various loads. The engine should pull smoothly with no hesitation or check-e...

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