1997-2005 Chevrolet Venture - Spark Plug

1997-2005 Chevrolet Venture | 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 1997-2005 Chevrolet Venture; 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 - The 1997-2005 Venture’s only engine is the 3.4L LA1 V6.** It takes six AC Delco 41-101 iridium plugs, pre-gapped to 0.060 inches - do not re-gap. On a Venture this old the original plug wires usually fail first. Scan for P0300-P0306 before...
2. **Cool and plan the rear bank - Cool the Venture completely - aluminum heads. The front** three plugs take minutes; the rear three face the firewall, buried under the wiper cowl. Plan your rear-bank approach first: from below with long extensions, or cowl off for top acc...
3. **Remove wires and clean wells - Twist each boot loose and pull the wires with plug-wire** pliers - Venture boots often fuse to the old plugs. Label every wire by cylinder; crossed wires idle okay and misfire under load. Blow each well out with compressed air before loose...
4. **Remove and install plugs - Remove each plug with a 5/8-inch socket; verify the 0.060-inch** gap with a wire gauge, never re-gap, and never pry on the iridium tip. Thread each new plug in by hand - the rear holes are blind, so feel for clean engagement and never forc...
5. **Reconnect and verify - Grease inside each boot only - never on the plug. Route every wire** to its correct cylinder and tower, double-checking the firing order. Push each boot home until it clicks, reconnect the battery, and start up. Road-test under load and re...

TORQUE

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