1999-2003 Dodge Ram Van - Spark Plug Replacement

1999-2003 Dodge Ram Van | Advanced | 2-3 hours | $115 DIY

TOOLS

5/8-inch spark plug socket with rubber insert 3/8-inch ratchet with 3-inch, 6-inch, and 10-inch extensions Universal (wobble) joint Wire-type feeler gauge Spark plug wire puller pliers Masking tape and marker for labeling wires Compressed air or a small brush Socket set for the doghouse bolts and straps Knee pad or blanket Penetrating oil

PARTS

Correct spark plug set for the gasoline/ICE engine in 1999-2003 Ram Van; verify engine, heat range, gap, and VIN fitment $115.00

STEPS

1. **Identify your Magnum engine - The 1999-2003 Ram Van came with three Magnum gasoline** engines: the 3.9L V6 takes 6 spark plugs, while the 5.2L and 5.9L V8s take 8. All three use a conventional distributor mounted at the very back of the engine, feeding plug wires to ea...
2. **Remove the interior doghouse cover - Slide both front seats all the way back (swivel the** passenger seat rearward if equipped) and remove the ashtray. The doghouse is held by two lower bolts at the floor and two side straps.
3. **Remove the plug wires one at a time - Work one plug at a time so the firing order cannot** get scrambled, and label each wire with tape at the distributor cap as backup - the V8 firing order is 1-8-4-3-6-5-7-2. Twist each boot a half-turn, then pull only on the boot, never on...
4. **Remove the old spark plugs - Fit a 5/8-inch spark plug socket fully onto each plug and** break it loose with steady pressure, then unthread it by hand once loose. Lift each plug out with the socket’s rubber insert and read the old plugs as they come out.
5. **Gap and install the new plugs - Check the gap on every new plug with a wire feeler gauge.** Adjust only by bending the ground strap. Never pry against the center electrode. Thread each plug in by hand until it seats.
6. **Reconnect the wires in order - Push each boot firmly onto its plug until it clicks, then** route every wire back to its original distributor cap tower, double-checked against your labels and the firing order. Seat the wires in their factory looms and retainers so they can...
7. **Reinstall the doghouse and verify - Reinstall the doghouse cover. Set it in place, refit** the two side straps and the two lower floor bolts, and reinstall the ashtray. Start the engine and listen for a smooth idle. Take a test drive and watch for a check-engine light.

TORQUE

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