2000-2006 Mazda MPV - Spark Plug Replacement

2000-2006 Mazda MPV | Advanced | 3-4 hours (intake plenum removal for the rear bank is the bulk of the job)

TOOLS

5/8-inch (16mm) spark plug socket with extensions 3/8-inch ratchet 8mm, 10mm, and 12mm sockets Wire-type spark plug gap gauge Clean rags (to block open intake ports) Headlamp or inspection light Labels or tape for hoses and connectors

PARTS

Correct spark plug set for the gasoline/ICE engine in 2000-2006 Mazda MPV; 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 plenum gaskets

STEPS

1. **Identify your MPV’s engine and plan for intake removal - Budget extra time and have a new** set of upper intake plenum gaskets on hand before you start. Park on level ground and let the engine cool fully.
2. **Remove the air intake box and engine covers - Remove the air filter box and intake hose** to open up working room on top of the engine, disconnecting any electrical connectors and vacuum lines in the immediate area - label them as you go.
3. **Service the three front-bank plugs - Use a 5/8-inch (16mm) spark plug socket on an** extension to remove each plug. Inspect the old plugs and note their condition - these three are your baseline for comparing against the harder-to-reach rear plugs later. Set the coils aside i...
4. **Remove the EGR valve and upper intake plenum - For the rear bank, remove the EGR valve** (two 12mm bolts plus its connector, taking care not to drop the gasket between the valve and intake), the manifold pressure sensor bolts, and any brackets or hose clamps securing the upper plenum, in...
5. **Replace the three rear-bank spark plugs - With the plenum aside, unplug each rear coil’s** connector, remove its hold-down bolt, and pull the coil up - you will be working largely by feel back here, so a headlamp helps. Remove the three old plugs with the spark plug socket and ext...
6. **Reinstall the plenum with new gaskets - Remove the rags from the intake ports, fit the** new upper plenum gaskets, and lower the plenum back into place - replace the gaskets rather than reusing the old ones, since aged gaskets are a prime source of vacuum leaks. Reinstall the si...
7. **Reassemble the front bank and verify the repair - Reinstall the front bank’s coils,** hold-down bolts, and connectors, then refit the air intake box, hose, battery, and plastic covers. Double-check the entire bay for leftover tools, rags, and fasteners. Start the engine and let it idle -...

TORQUE

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