2014-2021 Mazda6 Touring - Replace PCV Valve

2014-2021 Mazda6 | Easy | 1-2 hours | $41 DIY

TOOLS

10mm Socket Flathead Screwdriver Jack Stands Ratchet Wrench Needle Nose Pliers Torque Wrench Socket Extensions Floor Jack Throttle Body Cleaner Drain Pan

PARTS

PCV Valve F0R1-10-2A0 $24.00
PCV Valve Hose F0R1-13-2A0 $17.00

STEPS

1. **Cool the engine and locate the PCV valve - Work on a cool engine. On the Mazda6, find the** PCV valve - usually in a valve-cover grommet, intake manifold port, or integrated into a PCV hose/module. Photograph hose routing before removal. Wear gloves and eye protection.
2. **Disconnect the PCV hose - Release any spring clamps or quick-connect fittings and pull** the hose from the valve or PCV port. Inspect the hose for cracks, collapse, or oil sludge - replace the hose if damaged.
3. **Remove the old PCV valve or module - Pull the valve from its grommet with a gentle twist,** or unbolt a PCV module/plate if that is the design. Note orientation and any O-rings. Avoid letting debris fall into the open port.
4. **Inspect related parts - Check the grommet for hardening or tears and replace it if soft** or cracked. Clean sludge from the port with a shop towel; do not push debris into the engine.
5. **Install the new PCV valve - Compare the new valve/module to the old one. Lightly oil the** grommet if specified, press or bolt the new unit into place until fully seated, and reconnect the hose until the clamp/connector is secure.
6. **Start and verify idle quality - Start the Mazda6 and confirm a smooth idle with no** whistle or large vacuum leak sound at the PCV connection. Check for oil seepage.

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