

2014-2021 Mitsubishi Outlander | Easy | 30 minutes | \$20 DIY

TOOLS

10mm Socket 1/4" Drive Ratchet Needle
Nose Pliers 23mm Deep Well Socket
Torque Wrench

PARTS

PCV Valve 1035A422 \$15.00

STEPS

- 1 Cool the engine and locate the PCV valve - Work on a cool engine. On the Mitsubishi Outlander, 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. Shake a conventional PCV valve - a stuck rattle or no rattle can indicate failure (follow the test method for this design). Clean sludge from the port with a sho...**
- 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 engine and confirm a smooth idle with no whistle or large vacuum leak sound at the PCV connection. Check for oil seepage. After a short drive, recheck the hose connection and note whether prior rough-idle or oil-consumption sympt...**