2007-2017 Jeep Patriot - Check Engine Light / OBD2

2007-2017 Jeep Patriot | Easy | 15-30 minutes | $25 DIY

TOOLS

OBD-II scanner compatible with the vehicle
Flashlight Notebook or phone for codes and freeze-frame data Safety glasses

PARTS

OBD2 scanner $25.00

STEPS

1. **Confirm warning severity - Flashing = severe misfire damaging the catalytic converter:** pull over, shut off engine. CVT: note transmission behavior; engine and transmission codes are separate systems, so scan both in limp mode or with the trans warning on. Steady lig...
2. **Connect the OBD-II scanner - Ignition off, find the 16-pin connector under the** driver-side dash, left of the steering column. Plug the scanner firmly, ignition ON, engine off, and confirm communication with the powertrain module. Also scan the transmission module -...
3. **Read and record codes - Log every confirmed, pending, and permanent code before clearing** anything. Common patterns: P0456/P0455 EVAP leaks (often the ESIM switch on the canister); P2004/P2017 intake runner stuck; P0300-P0304 misfires; P0420 catalyst efficiency;...
4. **Check the likely cause - EVAP: check fuel-cap seal and filler neck, then ESIM switch and** canister hoses; smoke-test stubborn ones. Runner codes: check actuator and linkage for carbon binding, verify travel. P0128: watch coolant-temp PID for a plateau below operati...
5. **Repair, clear, and verify - Clear codes after repair, drive a Chrysler/Jeep cycle: cold** start, idle, cruise 40-55 mph, tank 1/4-3/4 full, overnight cold soak for EVAP. Rescan - monitors set, no returning codes. Pro needed for: CVT codes, flashing misfire, overh...

TORQUE

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