2024-2026 Mazda CX-90 - Check Engine Light / OBD2

2024-2026 Mazda CX-90 | 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. **Note when the light appeared - software faults are common - Flashing light means active** misfire - stop and shut the engine off. A steady light is a planned-scan fault: Mazda has issued CX-90 TSBs, several fixed by a dealer software reflash. Note when it appeared - idle, startup, or driving -...
2. **Connect under the driver-side dash - The 16-pin connector is under the driver-side dash** near the steering column. Ignition off, plug the scanner in fully; if it won't link, check the accessory fuse. Use a scanner that shows Mazda-specific sub-codes - P0300:00, P0AB9:00, P05...
3. **Record exact codes with suffixes and freeze-frame - Key ON, engine off: record stored,** pending, and permanent codes with full suffixes, plus freeze-frame data. Known CX-90 faults: P0300:00 misfire at idle (TSB 01-002-24), P0AB9:00 PCM start-signal (SA-076-23), PHEV EVAP P0451/P2422/P2451/P0...
4. **Match codes to TSBs before touching hardware - TSB-matching code: dealer PCM reprogram -** no DIY part fixes it, likely under warranty. PHEV EVAP repair: dealer-only on a pressurized fuel system. Generic fault outside the TSBs: check gas cap, air filter, intake hoses, 12V battery - l...
5. **Clear, drive a full cycle, rescan - After the reflash or your repair, clear codes and run** a drive cycle, then rescan - monitors should read complete. A code returning after a reflash goes back to the dealer with freeze-frame data. Don't keep clearing; persistence after the...

TORQUE

ezcarfix.com