1989-1994 Nissan 240SX - Check Engine Light / OBD2

1989-1994 Nissan 240SX | 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. **Know this car is OBD-I, not OBD-II - 1989-1994 240SX predates OBD-II - no 16-pin port; no** scanner plugs in. Use Nissan's OBD-I flash codes. Steady light = stored fault you can read; rough running, overheating, or power loss means stop safely and shut the KA24E/KA24DE off re...
2. **Enter ECU diagnostic mode and count the flashes - ECU: passenger-side kick panel. Case** has a diagnostic screw plus red/green LEDs. Ignition ON, engine off: screw fully clockwise, wait a few seconds, then fully counterclockwise (don't force) - check-engine light flashes the codes. No equ...
3. **Read and write down every flash code - Red tens, green units: 2 red + 3 green = code 23.** Common: 11 crank/cam, 12 airflow, 13 coolant temp, 21 ignition, 32 EGR, 33 heated O2, 34 knock, 55 clear. Log codes in order; 55 alone = nothing wrong.
4. **Inspect each flagged circuit before buying parts - Inspect before replacing. 12: check** MAF wiring/connector; try cleaning it. 33: check O2 wiring, pre-sensor exhaust leaks. 32: clogged EGR passages or dead solenoid. 34: cracked/oil-soaked connector, not dead sensor. Vacuum leaks, bad groun...
5. **Clear codes, drive, and re-check the ECU - Clear: repeat diagnostic mode, or disconnect** negative battery cable for a few minutes. Reconnect; drive days for re-learn; recheck 55 only. Immediate return = hard fault, needs repair. Days later = intermittent - wiggle-test harness/conn...

TORQUE

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