



# 10 OBD-II Codes You Can Fix Yourself

Save the \$80–200 shop diagnostic fee on these common check-engine codes

A check-engine light isn't always bad news. These ten codes are some of the most common — and most are a cheap part and an afternoon away from fixed. Always read your exact code with a scanner first, then start with the simplest fix.

Code	What it means	The DIY fix	Part	Level
<b>P0455</b>	Large evaporative (EVAP) system leak — fuel vapors escaping.	Tighten or replace the gas cap. It's the #1 cause. Listen for the click.	\$10–25	Very easy
<b>P0442</b>	Small EVAP leak — a minor crack somewhere in the vapor system.	Re-seat the gas cap, then inspect EVAP hoses for cracks or loose clamps.	\$10–25	Easy
<b>P0171</b>	System running too lean (Bank 1) — too much air, too little fuel.	Replace the air filter, clean the MAF sensor, check for loose intake hoses.	\$10–30	Easy
<b>P0102</b>	Mass airflow (MAF) circuit reading low.	Spray the MAF sensor with MAF cleaner; replace it if cleaning doesn't help.	\$8–90	Easy
<b>P0113</b>	Intake air temperature sensor reading high.	Clean the connector; replace the IAT sensor (often built into the MAF).	\$10–40	Easy
<b>P0135</b>	O2 sensor heater circuit (Bank 1, Sensor 1) — slow-warming sensor.	Replace the upstream oxygen sensor with an O2 socket.	\$20–60	Easy–Mod
<b>P0420</b>	Catalytic converter efficiency below threshold.	Fix small exhaust leaks and replace the upstream O2 sensor before assuming the cat.	\$20–60	Easy–Mod
<b>P0300</b>	Random or multiple-cylinder misfire — rough running.	Replace worn spark plugs and ignition coils; swap a coil to isolate it.	\$15–80	Moderate
<b>P0128</b>	Coolant temperature below thermostat regulating point.	Replace the thermostat — a common, low-cost part.	\$10–30	Moderate
<b>P0401</b>	Insufficient EGR (exhaust gas recirculation) flow.	Remove and clean the EGR valve and its passages with carbon cleaner.	\$0–120	Moderate

**Not on this list? Describe any symptom and get a diagnosis built for your exact car — free at [tryrevai.com](https://tryrevai.com)**