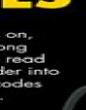
When the dreaded check engine light is on, it feels like almost anything could be wrong with your vehicle. Thankfully, it's easy to read the codes by plugging a diagnostic reader into the OBD-II port. Here are five common codes and what you need to know about them.







#### PO128

#### COOLANT THERMOSTAT (LOW TEMP)

#### SYMPTOMS

- Proor fixel economy.
- Low reading on temp gauge
- Intesty lightre appeared.

#### POSSIBLE CAUSES

- Shock thermostat (this is the most Common causes
- Faulty engine coolant temperature sensor
- Faulty, damaged or corroded wiring for engine coolant temp sensor





### PO 4 20

#### CATALYTIC CONVERTER LOW EFFICIENCY

#### SYMPTOMS

- Poor acceleration.
- Sulflur or "rotten egg" smell
- Poor fuel economy:
- Failed emissions test

#### POSSIBLE CAUSES

- Failed element inside the catalytic converter
- Exhaust system rust-through, damage or leaks:
- Coolant, raw fuel from a mistine. or oil burning.
- Obstruction in the cat.
- Bad Q2 sensor





#### the state of the last time to be a second

### EVAPORATIVE EMISSION SYSTEM LARGE LEAK

#### SYMPTOMS

- Proposible fivel simeli.
- Expessive fuel consumption.

#### POSSIBLE CAUSES

- Loose or faulty gas dag-
- Coacked bosses or like neck.
- Failed charcoal canister
- Flaulty purge valve.

#### BERNOLD THE

Check to be sure the gas cap is tight before spending time and/or money on diagnosing other parts.



#### P0300

RANDOM/MULTIPLE CYLINDER MISFIRE

#### SYMPTOMS

- Poor fuel economy.
- Jerking, bucking, rough running.
- Strong smelt of fuel in exhaust
- Phoweth little

#### POSSIBLE CAUSES

- Failed ignition coil.
- Worn spark plugs.
- Clogged or failed fuel injector.
- Loose components:
- Problem with a spark plug, fuel. injector or engine ground wire
- Low fivet pressure:
- Internal engine problems
- Dieffective semocins.



## P0456

#### EVAPORATIVE EMISSION SYSTEM SMALL LEAK

#### SYMPTOMS

- Often no symptoms.
- Im name casses, a fuel odor.

#### POSSIBLE CAUSES

- Loose or faulty gas cap-
- Cracked, loose, damaged, disconnected. or degraded howers.
- Dist obstructing valves.
- Faulty purge control valve

# **Does Advance Auto Check Engine Light**

**Yicheng Fang** 

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