2011-2014 Chrysler 300 - Check Engine Light / OBD2

2011-2014 Chrysler 300 | 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. **Flashing means stop; steady means scan - Flashing = active misfire - stop safely, shut** the engine off. Steady = planned-scan fault. Note fuel smell, rough idle, or stalling; the most common faults here - EVAP leaks - often show no symptoms beyond the light.
2. **Connect to the DLC left of the steering column - The 16-pin OBD-II connector is under the** driver-side dash, left of the column. Ignition off; plug the scanner in straight - never force. Powers up but won't communicate? Check the accessory/cigarette-lighter fuse; confirm the key is full...
3. **Capture stored, pending, and permanent codes - Key ON, engine off; pull every code with** freeze-frame. Expect P0456/P0442/P0455 EVAP leaks, P0330 knock-sensor faults, P0300-series misfires, P0420 catalyst codes. Pending codes matter - EVAP faults often fail the monitor once before mat...
4. **Work through the 300's pattern failures - EVAP: gas cap seal, then purge solenoid, vapor** hoses, NVLD pump - a known failure point. P0330: inspect knock-sensor wiring for chafing first. Misfires: plugs, coils, connectors. P0420: rule out exhaust leaks ahead of the converter.
5. **Clear, complete a drive cycle, rescan - Clear only after verified repair; drive a cycle -** cold start, city, highway, idle - tank 1/4 to 3/4 for the EVAP monitor. Rescan to confirm. EVAP codes can take days to reappear; same code back, re-test the NVLD pump.

TORQUE

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