2010-2013 Kia Soul - Check Engine Light / OBD2

2010-2013 Kia Soul | 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. **Confirm warning severity - Note whether the light is steady or flashing. Flashing means a** severe misfire - rough running and power loss usually accompany it - and continuing to drive can overheat and destroy the catalytic converter, so slow down and get the Soul...
2. **Connect the OBD-II scanner - With the Soul parked and off, find the 16-pin connector** under the driver's dash near the column - trapezoidal, takes a standard plug with light pressure. Ignition ON (engine off).
3. **Read and record codes - Record all confirmed, pending, and permanent codes plus** freeze-frame before clearing. The Soul's greatest hits: P0420 catalyst efficiency, P0171 lean (intake/vacuum leaks), P0455/P0456 EVAP (check fuel cap first), P0300 misfires, P0133 ups...
4. **Check the likely cause - For P0171, listen for a hissing intake leak and check hoses,** clamps, and the air-fuel sensor; for misfires, inspect the indicated cylinder's coil and spark plug.
5. **Repair and verify - Rescan afterward - a returning P0420 means the converter or sensor** fault is real and needs proper diagnosis. Do not ignore a recurring misfire code: unburned fuel will finish off a catalytic converter that might otherwise have survived.

TORQUE

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