2007-2014 Toyota FJ Cruiser | 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 - Start the FJ Cruiser and note whether the check-engine light** is steady or flashing. Flashing means a misfire - pull over and shut the 4.0L V6 off before the catalytic converter overheats. VSC and traction-control warnings usually clear o...
2. **Connect the OBD-II scanner - Turn the ignition off and find the 16-pin OBD-II connector** under the FJ Cruiser's dashboard, left of the steering column. Plug the scanner in firmly, switch the ignition to ON with the engine off, and confirm it communicates with the engin...
3. **Read and record codes - Log every confirmed, pending, and permanent code plus** freeze-frame data before touching anything. Documented FJ patterns: P0430 bank 2 catalyst efficiency, P0420 bank 1, P0456 EVAP very small leak, P2440/P2442 secondary air injection on 20...
4. **Check the likely cause - For catalyst codes, compare the downstream oxygen sensor to the** upstream air-fuel sensor in live data: a downstream sensor switching rapidly like the upstream one means a weak converter. Rule out exhaust leaks ahead of the sensors first, s...
5. **Repair, clear, and verify - After the repair, clear the codes and run a Toyota drive** cycle: idle for a few minutes, steady 40-55 mph cruising, and gentle deceleration, with the tank one-quarter to three-quarters full and an overnight cold soak for the EVAP monitor. R...

TORQUE

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