

## P0431: WARM UP CATALYST EFFICIENCY BELOW THRESHOLD (BANK 2)

### OVERVIEW

Severity	:	High
DIY Difficulty Level	:	Advanced
Repair Cost	:	\$900-\$2500
Can I Still Drive?	:	Yes

### What Does The P0431 Code Mean?

Basically this means that the oxygen sensor downstream of the catalytic converter on bank 2 is detecting that the converter is not working as efficiently as it should be (according to specs). It is part of the vehicle emissions system.

### What Are The Symptoms Of The P0431 Code?

You will likely not notice any drivability problems, although there may be symptoms such as a rough/hard idle when cold.

### What Are The Potential Causes Of The P0431 Code?

A code P0431 may mean that one or more of the following has happened:

- The catalytic converter is no longer functioning properly
- An oxygen sensor is not reading (functioning) properly
- There is an exhaust leak

### How Can You Fix The P0431 Code?

Inspect for exhaust leaks. Next step is to measure the voltage at the oxygen sensor on Bank 2. In

fact, it would be a good idea to test each oxygen O2 sensor while you're at it.

One thing to note is that many vehicle manufacturers offer a longer warranty on emissions-related parts. So if you have a newer car but it's out of its bumper-to-bumper warranty, there still may be warranty on this type of problem. Many manufacturers give a five year, unlimited mileage warranty on these items. It's worth checking into.

### Severity Description

Since the close position of the EGR valve presents no serious issues, from a drivability standpoint, a code P042F may be addressed at your earliest convenience.

### Reference Sources

[P0431 Warm Up Catalyst Efficiency](#), OBD-Codes.