

## BMW P1130: LONG TERM FUEL TRIM AT LEAN LIMIT

### OVERVIEW

Severity	:	<div><div>High</div></div>
DIY Difficulty Level	:	<div><div>Intermediate</div></div>
Repair Cost	:	\$50-\$500
Can I Still Drive?	:	No

### What Does The BMW P1130 Code Mean?

Engine started, battery voltage must be at least 11.5v, all electrical components must be off, the ground between the engine and the chassis must be well connected, the exhaust system must be properly sealed between the catalytic converter and the cylinder.

### What Are The Potential Causes Of The BMW P1130 Code?

Below are some potential causes of this DTC:

- Air intake system leaking, vacuum hoses leaking or damaged
- Air leaks located after the MAF sensor mounting location
- EGR valve sticking, EGR diagram leaking, or gasket leaking
- EVAP vapor recovery system has failed
- Excessive fuel pressure

### Reference Sources

[BMW P1130](#), DTCDECODE.