

CHEVROLET P1407: EXHAUST GAS RECIRCULATION (EGR) MOTOR CONTROL CIRCUIT SHORTED

OVERVIEW

Severity	:	High
DIY Difficulty Level	:	Intermediate
Repair Cost	:	\$100-\$200
Can I Still Drive?	:	Yes (Short-term only)

What Does The Chevrolet P1407 Code Mean?

[P0489](#), [P0490](#), [P1407](#), [P140D](#), [P140E](#) and P140F The Ignition is ON. The battery voltage is greater than 11 V. The EGR control circuit is active. The starter is not cranking. The DTCs run continuously when the above conditions are met.

The ECM detects a short circuit condition of the EGR Valve motor control circuits for greater than 3 s.

Reference Sources

- GM, 2013, [Service Bulletin](#) - Prior To Any Circuit Testing.
- GM, 2014, [Service Bulletin](#) - Instrument Panel Cluster (IPC) Warning Lamps And/Or MIL Are Illuminated Diesel Exhaust Fluid (DEF) Message Displayed Various DTCs Set (Inspect Wiring Harnesses for Chafing).
- GM, 2016, [Service Bulletin](#) - Instrument Panel Cluster (IPC) Warning Lamps And/Or MIL Are Illuminated Diesel Exhaust Fluid (DEF) Message Displayed Various DTCs Set (Inspect Wiring Harnesses for Chafing).
- GM, 2020, [Service Bulletin](#) - PIT5751A SES MIL / Reduced Engine Power / Misre / IPC Gauges Sweep / IPC Warning Message / Loss Communication / Various DTCs / Blown Fuse (Inspect Engine Harness 3.0L Diesel).
- GM, 2020, [Service Bulletin](#) - PIT5751B SES MIL / Reduced Engine Power / Misre / IPC Gauges

Sweep / IPC Warning Message / Loss Communication / Various DTCs / Blown Fuse (Inspect Engine Harness 3.0L Diesel).