

CHEVROLET P11CC: NOX SENSOR 1 PERFORMANCE - SIGNAL LOW

OVERVIEW

Severity	:	Medium
DIY Difficulty Level	:	Intermediate
Repair Cost	:	\$450-\$750
Can I Still Drive?	:	Yes (Short-term only)

What Does The Chevrolet P11CC Code Mean?

This code indicates that the ECM receives a serial data message from the NOx Sensor Module that the NOx concentration disagrees with the calculated NOx concentration for greater than 5 s.

Conditions for setting the DTC:

- The DPF Regeneration is not active.
- The BARO is between 75-106 kPa (11-15 psi).
- The ambient air temperature is between -7 to +38°C (19-100°F).
- The engine run time is greater than 30 s.
- The engine coolant temperature is between -7 to +123°C (19-253°F).
- The engine speed is greater than 600 RPM.
- The battery voltage is greater than 11 V.
- The NOx sensor is at operating temperature.
- The DTCs run once per drive cycle when the above conditions are met.

Reference Sources

- GM, 2016, [Service Bulletin](#) - Malfunction Indicator Lamp (MIL) On, DTC P11CC Set.
- GM, 2017, [Service Bulletin](#) - Malfunction Indicator Lamp (MIL) Illuminated with One or Multiple DTCs Set.

- GM, 2017, [Service Bulletin](#) - PIP5468 Check Engine Light On with DTCs P0101, P0299, P11CC, P11DC, P2002 and / or P20EE set.
- GM, 2017, [Service Bulletin](#) - PIP5453A 2017 6.6L Duramax (RPO L5P) NOx Sensor Parts Restriction Has Ended.
- GM, 2017, [Service Bulletin](#) - PIP5468C Check Engine Light On with Leaks in the Charge Air Cooler System.
- GM, [Service Bulletin](#) - PIP5468D Check Engine Light On with Leaks in the Charge Air Cooler System.
- GM, [Service Bulletin](#) - PIP5468E Check Engine Light On with Leaks in the Charge Air Cooler System.
- GM, 2017, [Service Bulletin](#) - Hesitation, Stalling, Engine Speed Flare, Unintended Acceleration Feel, Reduced Surge in Low Speed Maneuvers, Stumble, Harsh Tip-In/Tip-Out, Park-Reverse-Drive Shift Concerns, Harsh Shifts, Erratic Shifts, Malfunction Indicator Lamp (MIL) Illuminated - DTC P0097, P054F, P24C7, P0128, P2BAA, P2635, P11CC, P10D1, P0483, P2636, P0181, P22FE, P0263, P0266, P0269, P0272, P0275, P0278, P0281, P0284, P040C, P040D, P041C, P041D Set.
- GM, 2017, [Service Bulletin](#) - Stalling, Idle Surge During Regeneration, Malfunction Indicator Lamp (MIL) Illuminated - DTCs P0181, P10D1, P11B3, P11CC, P20E8, P22FE, P24B1 Set.
- GM, 2017, [Service Bulletin](#) - Malfunction Indicator Lamp (MIL) Illuminated, Ticking Sound From Fuel Injector On Deceleration and/or Stalling in Cold Weather with Low Fuel - DTCs P2476, P2A00, P20EE, P0299, P0106, P10D1, P244C, P11CC, P24C7, P1488 Set.