



Solution

Title (customer effect)	Diagnostic Trouble Code (DTC) P249C Intermittently Lighting The Malfunction Indicator Lamp (MIL) - OBD15 And OBD16, Model Year (MY) 2016 and 2017 Chassis
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Cause	OBD15 And OBD16, Model Year (MY) 2016 and 2017 Chassis may log DTC P249C under High RPM and Light load conditions
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Solution

Overview

Vehicles may display the MIL and P249C - Excessive Time To Enter Closed Loop Reductant Injection Control.

The code and warning lamp will likely set when the chassis is running at high RPMs with a light load. Aside from the warning lamp there will be no effects on driveability or performance.

Repair Information

For **OBD15** chassis:

- Software improvements have been released to address this code. If P2002 is present and there are no other symptoms to indicate a physical issue, software should be checked and updated as necessary.
- Two modules are affected by this update and should be reprogrammed in the following order:
 1. Engine Control Module (EMS)
 2. Aftertreatment Control Module (ACM)
- If the code returns following the software update, normal diagnostic procedures will need to be followed.
 - Other codes present that are potentially related to P249C should be diagnosed **first**.

For **OBD16** chassis:

- Ensure that Engine Management System (EMS) software is current.
- If the code does not have a high count of occurrences and there are no other symptoms or related codes present, clear the code and release the chassis

Temporary solution	Temporary solution
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Solution visibility	Dealer distribution
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Function(s)/component(s) affected

Function affected Documentation , TT , engine , 1 1 0 EMS , EECU , Diagnostic tool

Function Group

Function Group 2841 Electronic Control Unit , 381 combined instrument

Customer effect

Main customer effect calibration/programming/pairing/missing operation , diagnostics/methodology , fault code/display

Fault code(s)

OBD 2013 Diagnostic Trouble Codes POWERTRAIN , P249C

Conditions

Vehicle operating mode when driving , when stationary

Administration

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Status Published

NA_MACK_Vehicle_Range

NA_MACK_Vehicle_Range Conventional , CHU , CXU , GU , TD

NA_VOLVO_Vehicle_Range

NA_VOLVO_Vehicle_Range Conventional , VNX , VNL , VNM , VHD , VAH

Engine family

Engine family Volvo , 11L Engine , 13L Engine , 16L Engine , Mack , MP7 , MP8 , MP10

Emission Standard

Emission Standard US16 , US15
