

**Mack Models**

Mack Model LR , MRU , CHU , CXU , GU

Engine family

Engine family MP7 , MP8

Emission Standard

Emission Standard US17 GHG

**** SOLUTION ****

Title Mack Chassis - Vehicles Equipped With A Vertical Selective Catalytic Reduction (SCR) System - Diagnostic Trouble Codes (DTC) P1031 With Possible P24DA Lighting The Malfunction Indicator Lamp (MIL) - **US17+OBD16 (GHG17, Common Rail Fuel System) Emissions, Commonly Model Year 2018**

Cause Fault Code P1031 - Particulate Matter (PM) Sensor Clogged Tip may occur in GHG17 vehicles that are equipped with a vertical SCR catalyst. P1031 may be accompanied by P24DA - PM Sensor Exhaust Sample Error. When the Confirmed DTC status is checked in Detailed Fault Information from the Diagnose screen in Premium Tech Tool (PTT), status will show True.

Solution **DO NOT Replace the PM sensor for P1031 and/or P24DA prior to performing the steps below.**

Refer to Field Service Bulletin [FSB284-067 ECM and ACM Reprogramming](#).

Following software updates, perform Operation [2589-08-03-17 After-treatment Particulate Sensor, Diagnostic Monitor](#) found under the Test tab in Premium Tech Tool (PTT) to verify that there are no further issues.

NA_Sister solutions K14122525

Campaign code FSB284-067

Solution visibility [Dealer distribution](#)

Function(s)/component(s) affected

Function affected FSB , DPF , SCR , 1 1 0 EMS , 2 1 0 ACM , Diagnostic tool

Function Group

Function Group 254 catalytic converter; exhaust emission control equipment , 258 emissions after-treatment , 284 control system, fuel supply

Customer effect

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

Lights/Messages on
information display



Driver's information warning pictogram

Fault code(s)

OB2013 Diagnostic
Trouble Codes P1031 , P103100 , P24DA

Conditions

Vehicle operating mode when driving , when stationary

Frequency of occurrence of
problem random

Administration

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Dealer ID RU4469V

Last modified by RU4469V

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