



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) Emi

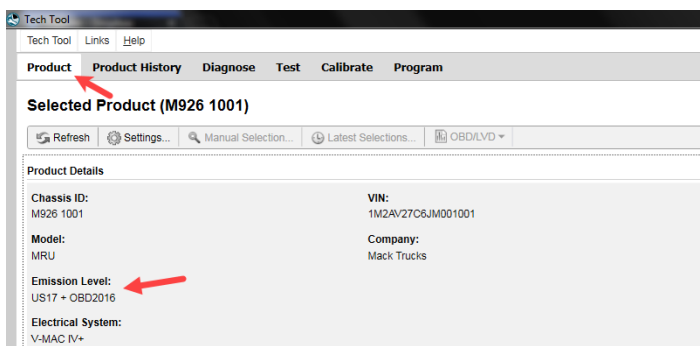


> Internal Content

DO NOT Replace the PM sensor for P1031 and/or P24DA on vehicles configured as described above prior to performing the steps below.

Verify the chassis emissions level

- Details can be found in the Product Details box on the Product tab in PTT as seen below:



Review the Detailed Status Information for the relevant code on the DTC Readout.

DTC List (2 Items)

Control Unit	DTC	Status
Brake ECU (MID 136)	SID 69: Axel load sensor, FMI 2: Data erratic, intermittent, or incorrect	Active
Engine Control Module (EMS)	P223F64: NOx Sensor Gas Outlet Removed, Signal Plausibility Failure	Active

NOx Sensor Gas Outlet Removed

Detailed status information

Title	Value
Confirmed DTC	True
Pending DTC	False
Test failed	True
Test failed since last clear	True
Test failed this operation cycle	True
Test not completed since last clear	False
Test not completed this operation cycle	False
Warning indicator requested	False

Once the chassis is confirmed to be US17+OBD16 or US17+OBD18:



Software improvements have been made that address this DTC.

There are two documents that should be reviewed:

1. Product Improvement [PI0883 Engine Control Module \(ECM\) and Aftertreatment Control Module \(ACM\), Software Updates](#) was released July 2018. This product improvement should appear under the Campaigns section of the Product screen of Premium Tech Tool (PTT) when first connecting to the vehicle.
Applicability to this campaign should be checked first.

- The Service Program document can be found on the dealer Mack Trucks eMedia.

- **Note:** There will be a prompt to sign in to the Trucks Dealer Portal site if necessary.

- Searching for PI0883 will return a link to the bulletin.

- **If the PI applies to the product it is not necessary to proceed to the Field Service Bulletin below.**

2. Field Service Bulletin FSB 284-067 [Engine Control Module \(ECM\) and Aftertreatment Control Module \(ACM\), Reprogramming](#) has been released and should be reviewed if the Product Improvement does not apply to the vehicle.

- The FSB document can be found on Mack Trucks eMedia or under the Service tab in Impact.

- Searching for 284-067 will return a link to the document in either application.

3. If either of the above documents applied and there are no other issues present, the vehicle should be released when software updates have been completed.

If software is current according to the bulletin, refer to CBR Solution CBR-193 for more information.

If other symptoms or related codes are present, normal diagnostics will need to be performed to determine the cause.

 Tags

- [k00527512](#)
- [p1031](#)
- [p1031-00](#)
- [p24da-00](#)
- [p103100](#)
- [p24da00](#)

Related links and attachments

No links or attachments available

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