

Diagnostic Trouble Codes (DTC) P208064, P208464, P242B64 and P246F64 Lighting The Malfunction Indicator Lamp (MIL) - US17+OBD19 And Newer Emissions, Model Years 2020 and Newer





> Internal Content



WARNING

No parts should be replaced for these fault codes unless a definite sensor failure is found.

Fault Tracing Procedure:

- 1. Allow the vehicle to sit until the engine and exhaust have reached ambient (air) temperature.
- 2. Turn the ignition to ON, engine OFF.
- 2. Using Premium Tech Tool (PTT), run either of the operations below:
 - 2545-08-03-02 Exhaust Aftertreatment Diagnostics, option A
 - This will provide a numerical view of exhaust temperatures.
 - 2589-08-03-02 Exhaust Aftertreatment System, Service Regeneration
 - This will provide a graphical view of exhaust temperatures.
- 3. Ensure that the sensor readings are within 10 °C (18 °F) of one another before starting the engine.
- 4. Start the engine.
- **5.** Monitor exhaust temperatures on PTT:
 - The sensor temperatures should rise in the order of 1, 2, 3, 4 as shown below after starting the engine.
- 6. Evaluate results:



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in the correct order when the engine is running: ino turther tauit tracing should be performed. Clear the DTCs and return the vehicle to service.

- · If one or more sensors are displaying a different reading from the others or are spiking instead of smoothly increasing with the engine running: The sensor(s) should be suspected to be faulty.
- If the temperature sensor values rise out of order: The sensors should be checked to ensure they are installed in the correct positions.

An example of proper temperature sensor function when engine is cold (shutdown overnight). All 4 temperature sensors are expected read within 10F of each other and ambient temperature.

Once engine is warmed (idle for few minutes), taking vehicle to high idle (>1000rpm) typically should show temperatures similar to picture below. T1 > T2 > T3 > T4.



Live UI T4 is only valid for OBD19 and Newer Vehicles.

9/27/21, 11:44 AM Article

This CBR will be updated when new information is available.



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p246f64 mack volvo

Related links and attachments

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