



**** SOLUTION ****

Title Vehicles Equipped With A One-Box Emissions Aftertreatment System (EATS) - Diagnostic Trouble Codes (DTC) P2463 and P2453. **US17+OBD16 (GHG17) And Newer Emissions, Common Model Year 2018 And Newer**

Mack Models

Mack Model CHU - Pinnacle, Axle back , CXU - Pinnacle, Axle front , GU - Granite

Volvo Models

Volvo Model VNL , VNM , VNR , VAH , VHD

Emission Standard

Emission Standard US17 , US17+OBD16 , US17+OBD18

Engine family

Engine family 11L Engine , 13L Engine , MP7 , MP8

**** SOLUTION ****

Cause Chassis equipped with a US17 (GHG17) engine and one box EATS may exhibit one or both DTCs P2463 - 00 Particulate Filter Restriction - Soot Accumulation Bank 1 and P2453 - 64 Diesel Particulate Filter Pressure Sensor "A" Circuit Range /Performance with Guided Diagnostics (GD) leading to No Fault Found (NFF).

Solution Guided Diagnostics for this code in Premium Tech Tool (PTT) verifies circuit integrity and sensor function. **In addition to these tests:**

1. Verify that there are no leaks around the fittings for the sensor supply tubes.
2. Ensure that all fittings are not damaged, crossthreaded or seized.
3. Check torque on all of the fittings and ensure none are loose.

An example of a damaged fitting can be seen below:



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

Function affected	Diagnostic tool , DPF
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Function Group

Function Group	254 catalytic converter; exhaust emission control equipment , 258 emissions after-treatment
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Customer effect

Main customer effect	soot , regeneration , diagnostics/methodology
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Fault Codes And Error Codes

OBDII Diagnostic Trouble Codes (P, U, B Format)	P2453-64 , P2463-00
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Conditions

Vehicle operating mode	when driving , when stationary
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Frequency of occurrence of problem	random
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Administration

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