



Solution

Title (customer effect)	Diagnostic Trouble Codes (DTC) P2463 - 00 and P2453 - 64; US17 GHG Engines - Equipped With One Box Exhaust Aftertreatment System (EATS)
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**

Function(s)/component(s) affected

Function affected exhaust , DPF , CV electronic control unit , Diagnostic tool

Function Group

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

Customer effect

Main customer effect soot , regeneration , calibration/programming/pairing/missing operation , diagnostics /methodology

Road behaviour	driveability
Lights/Messages on information display	----, -- / --
Fault code(s)	
OBD 2013 Diagnostic Trouble Codes	P2453-64 , P2463
Conditions	
Vehicle operating mode	when driving , when stationary
Frequency of occurrence of problem	random
Administration	
Author	RU4469V
Last modified by	RU4469V
Creation date	04-10-2017 21:10
Date of last update	26-10-2017 20:10
Review date	09-12-2017 00:12
Status	Published
Average score	5
Number of scores	1
NA_MACK_Vehicle_Range	
NA_MACK_Vehicle_Range	CHU , CXU , GU
NA_VOLVO_Vehicle_Range	
NA_VOLVO_Vehicle_Range	VNR , VNL , VNM , VHD , VAH
Engine family	
Engine family	Volvo , 11L Engine , 13L Engine , Mack , MP7 , MP8
Emission Standard	
Emission Standard	2018 , OBD2017 , US17 GHG