



Mack Models

Mack Model LEU , LR , MRU - TerraPro , TE - TerraPro , AN - Anthem , CHU - Pinnacle, Axle back , CXU - Pinnacle, Axle front , GR - Granite , GU - Granite , PI - Pinnacle , TD - Titan

Volvo Models

Volvo Model VNL , VNM , VNR , VNX , VAH , VHD , VT

Engine family

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

Emission Standard

Emission Standard US10 , US10+OBD13 , US14+OBD13 , US14+OBD15 , US14+OBD16 , US14 CNG , US17 , US17+OBD16 , US17+OBD18

** SOLUTION **

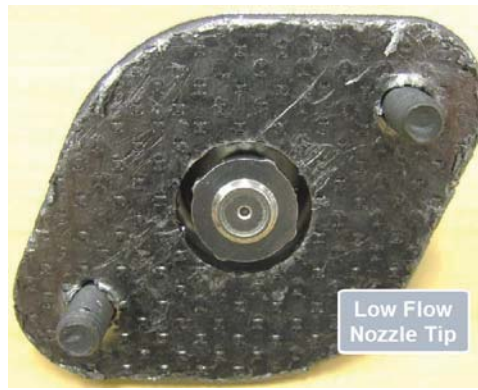
Title Aftertreatment Hydrocarbon Injector (AHI, 7th Injector) Changes Between US10 And US17 (GHG17, Common Rail Fuel System) - Chassis Experiencing High soot Accumulation, Abnormal (Too High, Overtemp, Too Low) Regeneration Temperatures Following An Aftertreatment Hydrocarbon Injector Nozzle Replacement Procedure

Cause Incorrect part number (P/N) AHI nozzle (7th Injector) may have been installed.

Solution Model Year (MY) US17 changes to the AHI system have been made. MY US17 has been updated to a High flow nozzle.

- The low flow nozzle has been used for North American heavy duty engines since 2011. All US17 11L and 13L engines will now use the high flow nozzle (16L engines will continue to use the low flow nozzle).
- The AHI nozzle tip of the low flow and the high flow nozzle are different in appearance. Other than this difference, the two nozzles are visually the same.





NOTE: The high flow and the low flow aftertreatment hydrocarbon dosers have different flow rates.

The difference between the aftertreatment hydrocarbon doser flow tests can be seen below.

- [High flow](#) aftertreatment hydrocarbon doser
- [Low flow](#) aftertreatment hydrocarbon doser

Solution visibility	Dealer distribution
Function(s)/component(s) affected	
Function affected	DOC , DPF , Fuel Dosing
Function Group	
Function Group	258 emissions after-treatment
Customer effect	
Main customer effect	soot , regeneration , temperature , efficiency/abnormal behavior
Fluid implicated	fuel
Conditions	
Vehicle operating mode	when driving , when stationary
Frequency of occurrence of problem	always
Administration	
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