

**** SOLUTION ****

Title	Updated PM Sensor Removal Procedure - US17+OBD16 and Newer Emissions
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Mack Models

Mack Model	LR , TE - TerraPro , AN - Anthem , GR - Granite , PI - Pinnacle
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Volvo Models

Volvo Model	VNL , VNR , VNX , VAH , VHD
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Emission Standard

Emission Standard	US17+OBD16 , US17+OBD18 , US17+OBD19
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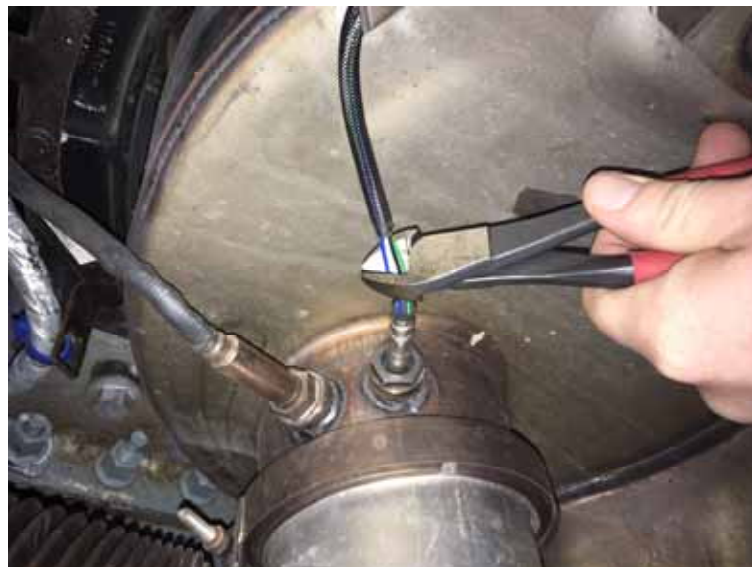
**** SOLUTION ****

Cause	When removing a PM sensor for replacement, the threads may be damaged during extraction of the failed sensor.
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A procedure has been developed to prevent damage to the threads on the exhaust pipe, necessitating replacement of the complete SCR assembly.

Solution	Once the PM Sensor is determined to be replaced, follow the steps below to remove the failed sensor.
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1. Cut the harness at the top of the sensor.





2. Spray the sensor nut with a suitable rust penetrant and let soak for approximately 5 minutes.



3. Remove the sensor with a ½" drive impact and appropriately sized deep socket.



4. Use an M18 x 1.5mm **bottoming** tap to chase the SCR boss threads.

- Example bottoming tap – Grainger part # 2LWT5



5. Inspect the boss threads and PM Sensor alignment notch for debris and clean if necessary.





6. Install the new PM sensor and torque to spec. Refer to [Impact](#) for the correct torque spec.

Solution visibility	Dealer distribution
Function(s)/component(s) affected	
Function affected	SCR , DPF
Function Group	
Function Group	254 catalytic converter; exhaust emission control equipment , 258 emissions after-treatment , 2846 Sensor
Customer effect	
Main customer effect	soot
Administration	
Author	A241298
Dealer ID	A241298
Last modified by	A241298

Creation date	09-12-2019 19:12
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Date of last update	18-12-2019 15:12
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Status	Published
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