



Preliminary Information

PIP5748B Particulate Matter Sensor Protection Tube Performance Diagnostic May Set A False DTC P1488

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Silverado	2020	ALL	ALL	LM2	All
GMC	Sierra	2020	ALL	ALL	LM2	All

Involved Region or Country:	North America
Condition:	The Particulate Matter Sensor Protection Tube Performance diagnostic may falsely fail, causing DTC P1488 to set and command the Malfunction Indicator Lamp (MIL) to illuminate.
Cause:	This condition is currently under investigation by engineering.

Correction:

If the vehicle has set DTC P1488 check to see if the particulate matter sensor is loose in the exhaust pipe. If so, this PI does not apply.

If the sensor is properly torqued and the P1488 has requested the MIL, test the exhaust for leaks using the power smoke diagnostic leak detector (GE-52250 - refer to the latest version of [PIP5684](#)). Because of the location of the exhaust cooler, the sealing bladder can't be used effectively. The pressure necessary to find the leak is minimal, so using two wraps of duct tape around the pipe will seal the cooler holes sufficiently for testing. Repair any leaks as necessary but pay particular attention to the joint illustrated in the pictures below. If the joint is leaking the clamp may have bottomed out before applying sufficient clamp load to the joint. If this condition exists, replace the clamp.

Also replace the particulate matter sensor.

Note: This PI will be updated or replaced by a bulletin as additional information becomes available.

Please ensure you use the special labor operation for this concern.



Warranty Information

For vehicles repaired under the Emissions (E,E2) coverage, use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation:	Description:	Labor Time:
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4087528	Exhaust Particulate Sensor Replacement	.4 Hours
ADD	Diagnostic Time (includes inspection)	0 - .5 Hours
*This is a unique Labor Operation for Bulletin use only.		

Version History

Version	3
Modified	08/20/2020 - Created on. 09/25/2020 - Updated to include inspecting for an exhaust leak and add pictures. 10/20/2020 - Updated to modify the exhaust pipe sealing procedure.



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