



Preliminary Information

PIP5686 Engine Air Leak from The Foul PCV Tube, Whistle Noise, P0171 and/or P0174

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Silverado 1500 (New Model)	2019 - 2020	All	All	5.3L L84	All
GMC	Sierra 1500 (New Model)	2019 - 2020	All	All	5.3L L84	All

Involved Region or Country	North America
Condition	A vehicle may come into the dealer with a rough idle, lean running concern and/or air leak noise from the PCV system. Upon inspection the technician may find the SES lamp is illuminated and/or DTC's P0171 and/or P0174 may be in active or stored history.
Cause	This condition may be caused by an incorrectly installed foul air PCV tube or tube may be damaged.

Correction:

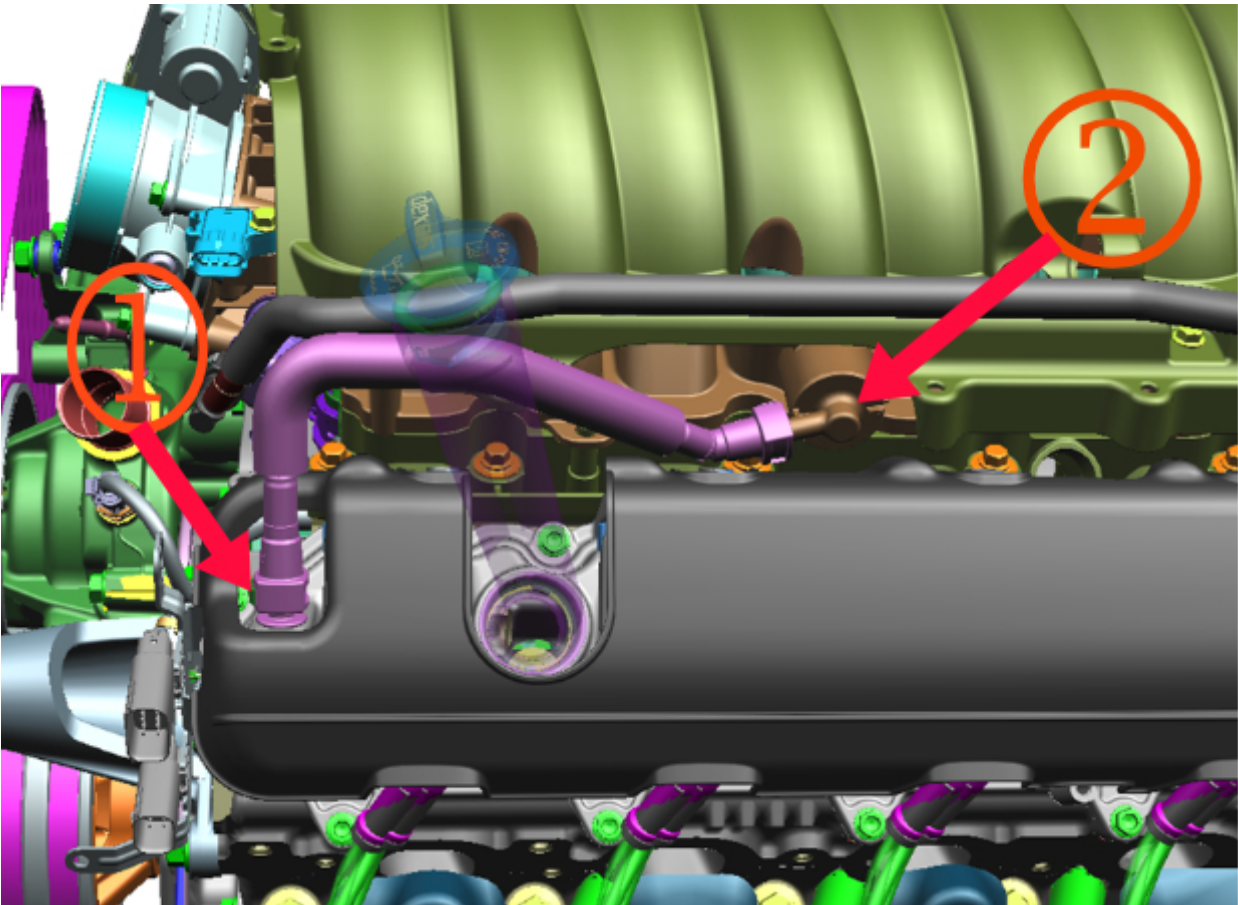
If you encounter a vehicle with the above concern, follow the Diagnostic Procedure below.

Diagnostic Procedure

1. Check to see If tube is installed and seated correctly . If tube is installed correctly it will be necessary to smoke test and confirm there are no leaks. Proceed to the steps below .
 - a. If no smoke is detected, then tug on PCV tube ends (Location 1 or 2) to ensure the tube is seated. If tube was not fully seated, then properly secure connection by pressing tube in until it clicks, and the tube does not come off by pulling on it. Proceed to step 4.
 - b. If smoke is detected, at either at the cover or manifold (Location 1 or 2) Remove and reinstall the same PCV tube to ensure both latches click. Proceed to Step 2.
 - c. If the tube is cracked or other damage in any other location besides (1 or 2) then it will be necessary to remove and replace with a new tube. Proceed to step 4.

2. Repeat smoke test to verify condition is still present. If leak is still p resent at (Location 1 or 2) remove tube and inspect O -ring seals inside, look for damage or missing O-rings. Take images of findings. Replace with new tube if damage is found. Proceed to step 4.
3. Clear the ECU codes.
4. Start vehicle up, idle for 5 minutes in park, shut engine off, repeat (T otal needs to be 2 times)
5. Verify if code/s return:
 - If Yes - if condition is still present or DTC returns, then it will be necessary to follow SI diagnostics in the service manual for that DTC or condition.
 - If No - PCV tube was not correctly seated during assembly . Return vehicle to customer and document findings on repair order .

PCV Tube Locations: Location 1- Connector to Rocker Cover, Location 2- Connector to Intake Manifold



Warranty Information

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

Labor Operation	Description	Labor Time
*4087208	Positive Crankcase Ventilation Foul Air Tube Test and Repair	0.1 Hours
*This is a unique Labor Operation for Bulletin use only.		

Version History

Version	1
Modified	10/28/2019 - Created on.



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