



# Service Bulletin

File in Section: -

Bulletin No.: 18-NA-085

Date: March, 2018

## INFORMATION

**Subject:** Information On Performing an Exhaust Leak Test

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Silverado Models	2017	2018			L5P	
GMC	Sierra Models						

<b>Involved Region or Country</b>	North America and Isreal
<b>Condition</b>	Some technicians may find during the course of performing diagnostics on a vehicle, SI may have directed you to perform an induction or exhaust leak test.
<b>Correction</b>	<p><b>Note:</b> You may find that it is easy to perform a smoke test during the leak test (with soapy solution) utilizing the same connections.</p> <p>Please keep in mind that a smoke test is a very good tool for finding relatively large leaks as the smoke will come out slowly and it is very difficult to get soapy solution to form over a large leak. Conversely, it is easy to identify a small leak with soapy solution as there will be a collection of bubbles where smoke exiting from a small leak will be traveling relatively fast and it will be hard to see.</p> <p>If SI has directed you to perform an induction or exhaust leak test and you are not sure how to read the results. Refer to the Evaluation Criteria section below.</p>

### Evaluation Criteria

**Note:** This evaluation is a guide to aid in diagnosing what may be a normal leak to an extreme leak.

Perform a leak test procedure as outlined in SI and use the illustrations below to determine what classification of leak, if any, is on your vehicle.

Based off the amount of bubbles from the soapy solution, rate how large the leak is. Depending on the location of the leak, a condition may be within the design criteria (normal condition):



5001644

- This should be considered a level 1 leak due to the small amount of very small bubbles in the soapy solution. The service procedure leak test may indicate if this is an acceptable leak.



5001655

- This photo represents a level 3 leak since it shows larger bubbles than the level 2.



5001647

- This should be considered a level 2 leak due to the small amount of small bubbles in the soapy solution.



5001665

- This photo represents a level 4 leak since it shows very large bubbles. This leak should also be visible when performing a smoke leak test.



5001683

- This photo represents a level 5 leak. This leak is so large that soapy solution will not form around the leak. This leak can be found using a smoke leak test.

⇒ If required, take corrective actions to repair the leaks.

Repeat steps if leaks are still found after corrective actions.

## Parts Information

No parts are required for this repair.

Version	1
Modified	Released March 16, 2018