

## 2015 - 2017 Corvette: Service Bulletin: #15-NA-002: Information on Fuel Odor and/or Fuel Leaks from Underhood SIDI Pipes Between High Pressure Pump and Fuel Rails

### #15-NA-002: Information on Fuel Odor and/or Fuel Leaks from Underhood SIDI Pipes Between High Pressure Pump and Fuel Rails - (Jul 11, 2017)

Subject:				Information On Fuel Odor and/or Fuel Leaks from Underhood SIDI Pipes Between High Pressure Pump and Fuel Rails			
Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Cadillac	CTS	2016	2017			LT4	All
	Escalade	2015	2017			L83, L86,	All
	Escalade ESV	2015	2017			L83, L86,	All
Chevrolet	Camaro	2016	2017			LT1, LT4	All
	Silverado 1500	2014	2014			LV1, LV3, L83, L86	All
	Corvette	2015	2017			LT1, LT4	All
	Suburban 1500	2015	2017			L83, L86,	All
	Tahoe	2015	2017			L83, L86,	All
GMC	Sierra 1500	2014	2014			LV1, LV3, L83, L86	All
	Yukon	2015	2017			L83, L86,	All
	Yukon XL	2015	2017			L83, L86,	All

<i>Involved Region or Country</i>	North America and N. A. Export Regions
<i>Condition</i>	Some customers may comment on one or more

	<p>of the following conditions:</p> <ul style="list-style-type: none"> <li>• Fuel odor smelled</li> <li>• Fuel leak in front of vehicle</li> <li>• Low/poor fuel economy</li> <li>• Vehicle hard start or engine stumble</li> <li>• Vehicle no start</li> <li>• Wet foam insulator on engine</li> </ul> <p>The technician may find fuel leaking around the bellhousing or VLOM.</p> <p><b>Note:</b> The conditions listed may occur with or without the Malfunction Indicator Lamp (MIL) illuminating.</p>
<p><b>Important:</b> It is required to replace the engine fuel feed intermediate pipes during any service repairs that required one or more of the pipes to be loosened or removed.</p>	
<p><i>Cause</i></p>	<p>This condition may be caused by the result of a fuel leak at one of the high pressure fuel rail pipe connections that was installed incorrectly during service of another engine component, that required the fuel system to be opened. (i.e. fuel rail, lifter, head gasket, High pressure pump, injector, etc.)</p>
<p><i>Correction</i></p>	<p><b>Important:</b> If any damage occurred due to leaking fuel, be sure to replace as necessary. (i.e. Fuel Pump Insulator)</p> <p>If you encounter a vehicle with the above concern, perform the following steps:</p> <ol style="list-style-type: none"> <li>1. Install Dye (p/n 88861206) into the fuel system via the filler</li> </ol>

neck

2. Start Engine and let idle for 15 minutes
3. Remove intake manifold
4. Inspect for any leaks.

**Note:** \*\*\*\* Tightening the nuts is not an approved procedure \*\*\*\*\*

1. If a leak is found at any nut location, change as denoted below.
  - If a leak in pipe 2 is found, change *only* pipe 2 (Int pipe 2), ensuring the interfaces for this tube are clean and free of debris.
  - If a leak in pipe 1 is found, change pipe 1 *and* pipe 2 (Int pipe 1 and 2), ensuring the interfaces for this tube are clean and free of debris.
  - If a leak in pipe 3 is found, change pipe 3 *only* (Fuel feed). Ensure the interfaces for this tube are clean and free of debris.

After installing the new pipes, start the engine, let idle for 3 minutes and confirm no leak is evident. Performing a post-install leak check has proven to be beneficial so customers do not return with another leak.

If required, replace the engine insulator if absorbed with fuel or emits a fuel odor.

If you cannot conclude if the leak is coming from one of the fuel feed pipes, start the engine and let idle for 5 minutes looking for source of leak. Refer to SI for further diagnostics.

## Parts Information

Refer to the Electronic Parts Catalog (EPC) to determine the proper part numbers required for the Fuel Feed Pipe and the Fuel Feed Intermediate Pipes, if replacement is required.

## Service Information

Refer to Fuel Feed Pipe Replacement in SI.

Refer to Fuel Feed Intermediate Pipe Replacement - Position 1 in SI.

Refer to Fuel Feed Intermediate Pipe Replacement - Position 2 in SI.

<i>Version</i>	2
<i>Modified</i>	July 11, 2017 - Updated the Models, Correction and Parts Information sections.

Online URL:

<https://www.corvetteactioncenter.com/tech/knowledgebase/article/2015-2017-corvette-service-bulletin-15-na-002-information-on-fuel-odor-and-or-fuel-leaks-from-underhood-side-pipes-between-high-pressure-pump-and-fuel-rails-1375.html>