Service Bulletin

Bulletin No.: 19-NA-138
Date: June, 2019

TECHNICAL

Subject: **Fuel Odor or Signs of Fuel At High Pressure Pump To High Pressure Fuel Lines, Fuel Leak Found At the Bottom Of The Flywheel Housing**

This bulletin replaces PIP4942B. Please discard PIP4942B.

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Express	2010	2015			LGH, LML	
	Silverado	2011					
GMC	Savana	2010					
	Sierra	2011					

Involved Region or Country	North America, Middle East, Israel, South America, Thailand and Africa
Condition	Some customers may comment on a fuel odor and/or a fuel leak found at the bottom of the flywheel housing. Some technicians may find fuel leaks at the high pressure pump to high pressure line fitting connections, or at the high pressure line fitting to the fuel rail connection, on the passenger side (right).
Cause	This condition may be caused by a fuel leak at the high pressure line at the right side fuel rail. ⇒ There are two high pressure lines leading from the high pressure pump to the right fuel rail. The lines are held in place with metal brackets and nylon insulators. These brackets and insulators may cause a high pressure line misalignment and induce fuel seepage.

Correction	Complete the current SI diagnostic for any DTCs or symptoms found. • If fuel leaks are found at the high pressure pump to fuel rail line fitting connections, **Do Not** replace the high pressure pump. Leaks at the high pressure line fittings are almost always caused by misaligned lines and/or low torque of the line nuts. • If leaks are found at the high pressure line fittings, both lines should be replaced. The routing of the fuel lines requires both lines to be loosened in order to replace either one. It is therefore recommended to replace both fuel lines at the same time. • If the pump is found leaking and this is an indication of pump fracture, refer to 16-NA-102. While the high pressure fuel lines are removed, verify there are no leaks at the fuel feed pipe to indirect (HCI) injector banjo bolt. Ensure the bolt is secure and properly torqued to 10 Nm (89 lb in). **Caution:** Care must be taken not to scratch the high pressure line sealing surfaces when fitting the lines to the pump or rail. A scratch in the sealing surfaces may result in a fuel leak Proper alignment and torque of the lines and fittings is critical. It is recommended to secure the line fittings to the high pressure pump and rail with the plastic line isolators left loose. Once the lines are properly aligned and the fittings are torqued, the isolator fastener can be tightened. Refer to *Fuel High Pressure Pipe Replacement - Pump to Rail* in SI. **Note:** Follow all current SI repair procedures and torque specifications. – For reference, the torque specification for the line fittings at the pump are 38 Nm (28 lb ft) – For reference, the torque specification for the line fittings at the fuel rail are 38 Nm (28 lb ft) Evaluate the fuel leak after the lines have been replaced. • If the pump is leaking and there is no indication that the pump is fractured.

Parts Information

Part Number	Description	Qty
12633623	PIPE, FUEL HIGH PRESS (LEFT SIDE OF PUMP TO RAIL)	1
12634549	PIPE, FUEL HIGH PRESS (RIGHT SIDE OF PUMP TO RAIL)	1

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
4022150	Fuel High Pressure Pipe Replacement - Pump to Rail	Use Published Labor Operation Time

Version	1
Modified	Released June 21, 2019