

# **Service Bulletin**

# TECHNICAL

## Subject: Diagnostic Tip for Fuel System Contamination, Malfunction Indicator Lamp (MIL) Illuminated - DTC P026D, P2A00, P0171, P0172, and/or P0300

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Cruze	2014	2015			LUZ	
	Cruze	2018	2019			LH7	
	Equinox	2018	2019			LH7	
	Silverado	2017	2018			L5P	
	Silverado 1500	2020	2020			LM2	
	Silverado 2500/3500	2019	2020	_	-	L5P	_
	Silverado 4500HD, 5500HD and 6500HD	2019	2020			L5D	
GMC	Sierra	2017	2018			L5P	
	Sierra 1500	2020	2020			LM2	
	Sierra 2500/3500	2019	2020			L5P	
	Terrain	2018	2019			LH7	

Involved Region or Country	North America, Israel			
Condition	Some customers may comment that the MIL is illuminated.			



#### Information on Fuel/Water Filter Removal



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Water or other like contaminates in the fuel will create drivability concerns and loss of engine power. If water and/or debris is present in the fuel system, the fuel cannot cool and lubricate the components properly, causing overheating, rust and corrosion. This can result in component failure. Water and debris can enter the fuel system in several ways, either through a contaminated refueling source, plugged venting or through long term condensation in the vehicle fuel tanks.



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1. Remove the fuel/water filter from the housing using care not to separate the filter from the fuel/water separator reservoir.



2. Use care, separate the filter from the fuel/water

in a clean/dry drain pan.

separator reservoir by placing the filter downwards



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- If the filter is facing upwards, debris left on the sides of the filter may escape past the O-ring seal during removal and settle in the fuel/water separator reservoir.
- Water and/or debris left in the fuel/water separator reservoir will flow past the filter, directly in to the fuel system when re-started.
- Debris that is allowed past the filter and into the fuel system can cause fuel injection issues that may set DTCs P2A00, P026D, P0300, P0172.
  Replacement of fuel injectors without a complete cleaning of the fuel system will only be a temporary fix until the debris gets into the new injectors.
- 3. Inspect the fuel/water separator reservoir and filter for heavy debris.
  - If heavy debris is found in the filter, clean the fuel/water separator reservoir and continue to the Fuel System Flushing Procedure.
  - If no signs of debris are found, clean the fuel/ water separator reservoir, install new filter and refer to SI for further diagnostics.

### **Fuel System Flushing Procedure**

**Note:** Performing the test may aid in determining the source and section of the fuel system causing the contamination.

1. If removed, re-install the fuel filter.





- 2. Disconnect the chassis side fuel feed hose (3) from the engine side fuel feed pipe (4).
- Place the end of the chassis side fuel feed hose into a clean container and run the fuel pump to clean any debris left in the fuel lines, approximately 2-3 gallons (7.6 –11.4L).
- 4. Clean the fuel/water separator reservoir.
- 5. Install new fuel filter.
- 6. Disconnect the chassis side fuel return hose (2) from the engine side return pipe (1).

**Note:** The white "Tubing" shown in the graphics below depict the route of the clear line, not the length.



- 7. Install a clear line between the fuel supply hose and the fuel return hose.
- 8. Run the fuel pump until the fuel runs clear in the line.



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- 9. Connect the fuel supply hose to the engine supply pipe.
- 10. Install a clear line in series at the fuel return hose to the engine return pipe.
- 11. Run the fuel pump until the fuel runs clear in the line.

Reconnect all fuel lines and retest for any codes or symptoms in the vehicle.

### **Parts Information**

No parts are required for this repair.

Version	6
	Released December 10, 2018
	Revised June 24, 2019 - Added 2020 to Model Year.
	Revised August 14, 2019 - Added 2019 and 2020 Silverado HD Models
Modified	Revised October 03, 2019 - Added Information on Fuel/Water Filter Removal section.
	Revised October 14, 2019 - Removed LCF and added 2020 Silverado/Sierra 1500 with LM2.
	Revised September 09, 2020 - Add DTCs to the Subject, Condition and Information on Fuel/Water Filter Removal sections.

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