



Service Bulletin

File in Section: -

Bulletin No.: 18-NA-006

Date: January, 2018

TECHNICAL

Subject: Constant or Intermittent Low Coolant Message Displayed On the Drivers Information Center (DIC)

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

Involved Region or Country	North America, Middle East, South America, Thailand, Israel
Condition	Some customers may comment on a low coolant message displayed constantly or intermittently on the DIC. Some technicians may find a previous repair involving the cooling system.
Cause 1	This condition may be caused by a coolant leak.
Cause 2	This condition may be caused by the fill process at the plant that didn't purge all of the air from the cooling system and surge tank. After the engine has been thermally cycled, air that was trapped in the engine may cause the coolant level in the surge tank to drop.
Cause 3	This condition may be caused by air in the cooling system from a prior engine repair and/or an internal engine failure.
Correction 1	If a coolant leak has been validated. Inspect the following locations for leaks: • EGR Cooler • Coolant pipes • Engine Oil Cooler - Flywheel Housing Interface • Behind Starter Motor Refer to the latest version of Bulletin PIP5487 in SI for further information. If any repairs have been performed to correct coolant leaks, please continue to Correction 3 below.
Correction 2	If no leaks have been validated but found the surge tank low, refer to Bulletin 17-NA-110 in SI.
Correction 3	If Bulletin 17-NA-110 does not apply, refer to the Service Procedure below.

Service Procedure

Important: **DO NOT** attempt to perform any cooling system service until the engine has completely cooled (Minimum of 5 hours with hood open).

Caution: The cap mounted to the top of the surge tank uses LEFT HAND threads. Turn the cap clockwise to remove the cap or counter clockwise to install the cap. Failure to turn the cap in the proper direction when installing or removing it may cause damage to the cap and/or the surge tank.

1. Validate if the cooling system is retaining system pressure with a cold engine for at least 12 hours soak time.

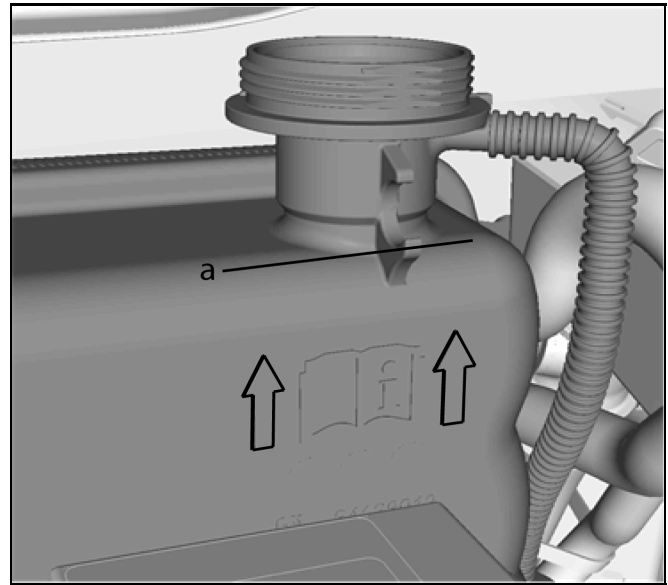
Important: It is critical that the cooling system is filled completely following the instructions under "Cooling System Draining and Filling (Vac-N-Fill L5P)" in SI which is the procedure that is preferred. Make sure to completely fill the surge tank side of the coolant bottle to the top of the fill neck.

2. Utilizing the Vac-N-Fill Coolant Refill Tool, perform a Vac-N-Fill on the cooling system. Refer to Cooling System Draining and Filling (Vac-N-Fill L5P) in SI.
3. Install a pressure gauge to the surge tank.

Note: Some air bubbles may be seen entering the Surge Tank. This is a normal condition and not a cause of concern.

4. With transmission in park, idle up the engine to 3000 RPM's for 10 minutes while validating that the system pressure does not exceed 25 psi.
 - If the cooling system pressure fluctuates or spikes over 25 PSI (172 kPa) and/or has retained pressure after a cold soak (more than 15 PSI (103 kPa) after a 24 hour cold soak), the cylinder head and/or head gaskets should be considered suspect. Refer to SI for further diagnostics.
 - If no signs of excessive cooling system pressure has been validated, entrapped air should be considered the cause of the Low Coolant Light on, proceed with procedure.
5. Remove the pressure gauge and perform another Vac-N-Fill of the cooling system. Refer to Cooling System Draining and Filling (Vac-N-Fill L5P) in SI.

6. Test drive vehicle for a minimum of 20 minutes to allow for;
 - Adequate coolant flow.
 - Engine coolant temperature to reach 212°F (100°C).
 - Thermostat to open completely allowing air to purge.



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7. Engine off and key in the OFF position, let the vehicle sit for 10 minutes for the coolant level to stabilize.
8. If required, fill the coolant level to the bottom of the radiator surge tank fill neck (a).

Important: **DO NOT** return the vehicle to the customer until the coolant level has been validated to be stable and reads above the top of the arrow when cold.

Parts Information

Description	Qty	Material Allowance
DEX-COOL®	1 Quart	\$3.06 (USD) \$5.71 (CAN)

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
4086048*	Perform Cooling System Vac-N-Fill and Test	0.7 hr
Add	Perform Second Cooling System Vac-N-Fill and Test	0.8 hr
*This is a unique Labor Operation for Bulletin use only.		

Version	2
Modified	Released January 10, 2018 Jan. 25, 2017 - New Labor Operation number.

