



Service Bulletin

Bulletin No.: 21-NA-108

Date: May, 2021

INFORMATION

Subject: Information on Engine Overheating, Cooling System Contaminated with Engine Oil

This bulletin replaces PIP5257E. Please discard PIP5257E.

Brand:	Model:	Model Year:		VIN:		Engine: (3.0L or 3.6L)	Transmission:			
		from	to	from	to					
Buick	Allure	2010	2016	—	—	LF1, LFW, LFX, LLT	—			
	Enclave		2021			LFY, LLT				
	LaCrosse		2019			LF1, LFW, LFX, LGX				
Cadillac	ATS	2013	2019			—		—	LF4, LFX, LGX	—
	CT5	2020	2021						LGX	
	CT6	2016	2021						LGW, LGX	
	CTS	2010	2019						LFW, LF3, LFX, LGX	
	SRX	2010	2016						LFX, LFW	
	XT5	2017	2021						LGX	
	XT6	2020	2021						LGX	
	XTS	2013	2019	LF3, LFX						
Chevrolet	Blazer	2019	2021	—	—	LGX	—			
	Camaro	2010	2021			LFX, LGX				
	Caprice	2012	2017			LFX				
	Captiva	2011	2018			LFW, LFX				
	Colorado	2015	2021			LFX, LGZ				
	Equinox	2010	2017			LF1, LFW, LFX				
	Impala	2012	2020			LFX				
	Traverse	2010	2021			LFY, LLT				
GMC	Acadia	2010	2021	—	—	LGX, LLT	—			
	Canyon	2015	2021			LFX, LGZ				
	Terrain	2010	2016			LF1, LFW, LFX				

Involved Region or Country	North America, Europe, Russia, Middle East, Iraq, Brazil, Chile, Colombia, Ecuador, Paraguay, Uruguay, Venezuela, Japan, GM Korea Company, Cadillac Korea (South Korea), China, Taiwan, Singapore, Australia/New Zealand, Other Africa
Condition	Some customers may comment that the engine is overheating. Some customers may also comment on one or more of the following conditions: <ul style="list-style-type: none"> • Oil in the coolant overflow reservoir • Coolant discharging from the coolant reservoir
Cause	This condition may be caused by a leakage from the main oil gallery to a water jacket through block porosity or thin wall casting. <ul style="list-style-type: none"> – A very thick oil in coolant mix in the radiator and coolant overflow reservoir may be found. – The average oil pressure is over 414 kPa (60 psi) and the coolant pressure is 110 kPa (16 psi).
Correction	If a vehicle with this concern has been verified: <ul style="list-style-type: none"> • if equipped, test the oil cooler system for possible leaking into the coolant through the radiator. If the oil cooler tests good, or the vehicle is not equipped with an oil cooler, then reference this bulletin and replace the engine as well as all rubber coolant hoses. • If possible, flush the radiator and heater core. Only replace those as needed. • if equipped, flush the rear heater core and replace hoses. Only replace those as needed.

Service Procedure

Note: Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.

Refer to *Engine Replace* in SI.

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
4067490	Engine Replacement	Use Published Labor Operation Time

Version	1
Modified	Released May 04, 2021

