

Service Bulletin

TECHNICAL

Brand:	Model:	Model Year:		Breakpoint Date:		Engine:	Transmission:
		from	to	from	to	Engine.	Transmission.
Cadillac	XT4	2018	2020	July 01, 2019	Present	All	All
Chevrolet	Malibu						

Involved Region or Country	North America, Europe, Russia, Middle East, Israel, Palestine	
Condition	Some customers may comment that the air conditioning (A/C) is blowing warm air and/or does not get cold.	
Cause	This condition may be caused by an A/C compressor failure due to a combination of low refrigerant and/or PAG oil.	
Correction	Prior to replacement of the A/C compressor, perform the following Service Procedure.	

Service Procedure

1. Confirm that the A/C compressor is seized.





5679393

5679383

1.1. Check the A/C compressor housings for signs of cracks (XT4 and Malibu) as shown in the picture above.



5679447

- Check the clutch hub for signs of the rubber being torn/separated (1) (Malibu ONLY (RPOs LFV, LTG)) and/or signs of melted rubber (2) (XT4 and Malibu (RPO L3T)) shown in the pictures above.
- 1.3. Attempt to manually rotate the hub/shaft near the center bolt. If the hub/shaft rotates freely and there are no signs of cracks or damage to the hub, proceed to step 2.
- 1.4. If the hub/shaft does not rotate or the compressor is seized, replace the A/C compressor and oil balancing then proceed to step 2. Refer to Air Conditioning Compressor Replacement and Air Conditioning Compressor Oil Balancing in SI.
- 2. Inspect the A/C system for leaks.



5679468

2.1. Inspect the Internal Heat Exchanger (IHX) welds for signs of cracks (XT4 and Malibu) as shown in the picture above.



5679469

2.2. Inspect the condenser, including the receiver and dehydrator cap, and also inspect for any signs of brazed joints and connections (XT4 and Malibu) as shown in the picture above.



5679479

- 2.3. Inspect the A/C compressor hose to see if the hose is rubbing against the fan shroud and exhaust manifold (Malibu ONLY) as shown in the picture above.
- 2.4. If leaks are not found at these areas, continue leak testing the rest of the A/C system. Refer to *Leak Testing (R-1234yf)* diagnostic found in the HVAC section in SI.

Page 3

Warranty Information

For vehicles repaired under the Bumper-to-Bumper coverage (Canada Base Warranty coverage), use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time		
4486098*	A/C System Leak Detection for Compressor Seize	0.5 hr		
*This is a unique Labor Operation for bulletin use only.				

Version	1
Modified	Released December 10, 2020

GM bulletins are intended for use by professional technicians, NOT a "<u>do-it-yourselfer</u>". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, <u>DO NOT</u> assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



WE SUPPORT VOLUNTARY TECHNICIAN CERTIFICATION