



# Service Bulletin

Bulletin No.: 21-NA-248

Date: July, 2022

## TECHNICAL

**Subject: A/C Blows Warm Intermittently and/or Takes a Long Time to Start Cooling**

**This Bulletin takes place of PIT5834G. Please discard PIT5834G.**

Brand:	Model:	Model Year:		VIN Breakpoint:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Blazer, 11th VIN Digit=S	2021	2021	MS500041	MS505210	All	All
		2022	2022	NS119760	NS120408		
	Equinox, 11th VIN Digit=S	2020	2021	LS716628	LS737551		
	Equinox, 11th VIN Digit=L	2021		ML302631	ML337271		
	Equinox, 11th VIN Digit=S			MS100011	MS100017		
GMC Terrain, 11th VIN Digit=L	ML310942			ML337223			

<b>Involved Region or Country</b>	United States, Canada
<b>Condition</b>	Some customers may comment on the A/C blows warm air intermittently and/or takes a long time to cool.
<b>Cause</b>	This condition may be caused by contamination in the A/C refrigerant.
<b>Correction</b>	If you duplicate this condition and the vehicle VIN is included in the above list, recover the refrigerant using the GE-50957 Contaminated Refrigerant Recovery Machine.

Repair direction is based on review and is provided below determined by the 11th VIN digit. Reference the 11th VIN digit to determine the assembly plant the vehicle came from.

**Note:** If the truck was built outside the noted VIN breaks or if PIE0630 is not included in Service Information section of VIS , perform the regular published A/C diagnosis in eSI.

Remove the inlet and outlet lines from the compressor, the compressor solenoid and the lines to the TXV.

### 2020/21 Equinox or 2021/22 Blazer built at the Ramos plant. (11th VIN Digit = S)

Inspect the lines and ports at the points opened up, verify contamination present on compressor solenoid. (see examples below.) Inspect the picture of the TXV . If there is solid contamination in the TXV you will need to replace the entire A/C system.

If it is clean or there is just oil and/or dye present (see examples below) you will need to replace everything EXCEPT the evaporator.

If you have any questions, contact TAC for assistance. You may need to provide pictures of these points for review.

Run the performance tests in eSi and verify system functioning as designed before releasing vehicle.

### 2021 Equinox or Terrain built at the SLP plant (11th VIN Digit = L)

Verify contamination present on compressor solenoid. (see examples below) Inspect the compressor inlet/ outlet lines and port and also the TXV.

If there is solid contamination in the TXV, you will need to replace the entire system. Oil and/or dye present is normal. (See examples below.)

If there is solid contamination in the compressor inlet/ outlet you will need to replace everything EXCEPT the evaporator.

If there is solid contamination on just the compressor solenoid you will need to replace just the compressor and receiver/dryer. Note that it is not necessary to replace the condenser, the receiver/dryer is replaceable separately.

If you have any questions, contact TAC for assistance. You may need to provide pictures of these points for review.

Run the performance tests in eSi and verify system functioning as designed before releasing vehicle.



5787215

Shown in the picture above is a contaminated Compressor Solenoid.



5899621

Shown in the picture above is a clean Compressor Inlet/Outlet (Some oil and greenish dye is normal)



5899622

Shown in the picture above is a clean TXV (Some oil and greenish dye is normal)

### Parts Information

Replace the components with the P/N's outlined in the Electronic Parts Catalog (EPC) in accordance with the vehicle VIN.

### Warranty Information

Use published Labor Operations for the parts that are replaced.

Version	2
Modified	Released November 05, 2021 Revised July 18, 2022 – Added 2022 Model Year for Blazer.

Additional Keywords: AC air conditioning HVAC

