



Service Bulletin

File in Section: -

Bulletin No.: 16-NA-046

Date: July, 2017

TECHNICAL

Subject: A/C Inoperative, Blows Warm or Poor Performance Due to Low Refrigerant Charge, Refrigerant Leak

Attention: This Bulletin also applies to any of the models that may be Export from North America vehicles.

This Bulletin replaces PIT5335A. Please discard PIT5335A.

Brand:	Model:	Model Year:		Breakpoint:		Engine:	Transmission:
		from	to	from	to		
Buick	Enclave	2013	2016	Vehicles Built Prior to October 6, 2015		All	All
Chevrolet	Traverse	2013	2016				
GMC	Acadia	2013	2016				

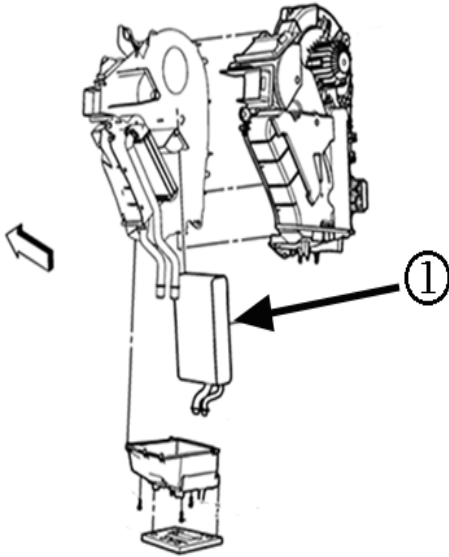
Condition	Some customers may comment that the A/C is blowing warm, is exhibiting poor performance or of a general lack of air conditioning, or low charge.
Cause	The cause of this condition may be that, during operation, the auxiliary evaporator blower motor may emit brush dust that contains some copper particles. These particles could lead to accelerated corrosion to the auxiliary evaporator and a small refrigerant leak.
Additional Options	Equipped with Auxiliary Air Conditioning (RPO CJ2)

Correction

After performing normal SI diagnostics, if the source of the leak is not found, check for a leak at the auxiliary evaporator core face. Remove the auxiliary blower control module and insert the GE 50078 Electronic Leak Detector to test for a leak, as well as employing the use of a black light.

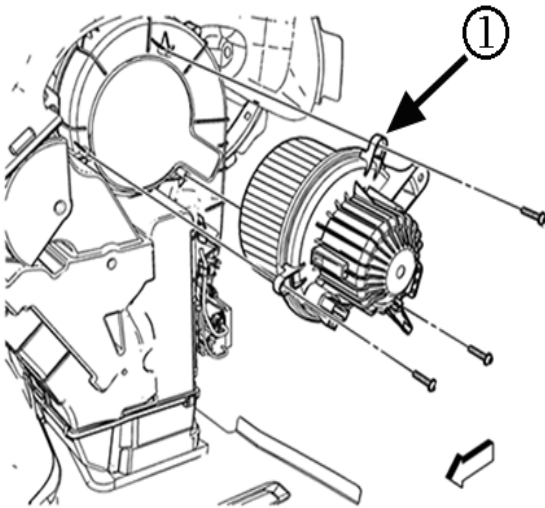
If a leak is found, continue to the Service Procedure below to replace the evaporator, blower/fan assembly (if necessary) and thoroughly clean the interior of the evaporator case.

Service Procedure



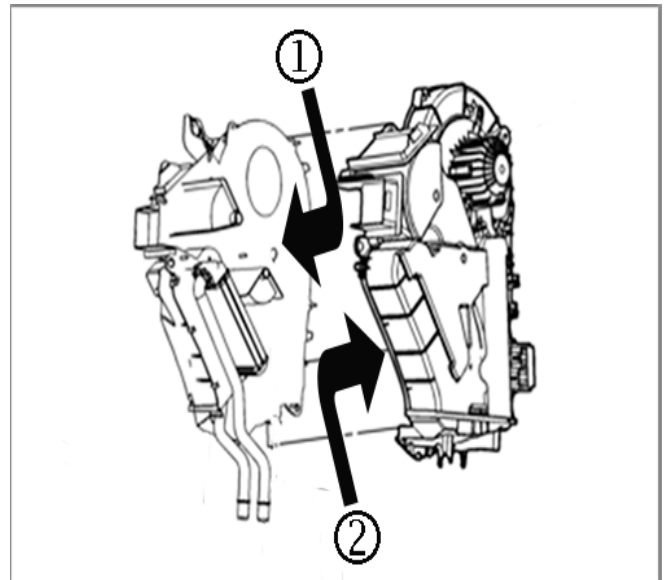
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1. Remove the auxiliary A/C evaporator (1). Refer to *Auxiliary Air Conditioning Evaporator Replacement* in SI.



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2. Remove the auxiliary blower motor assembly (1). Refer to *Auxiliary Blower Motor Replacement* in SI.
3. With the evaporator case disassembled, use compressed air to blow any copper dust from the inside of the case.



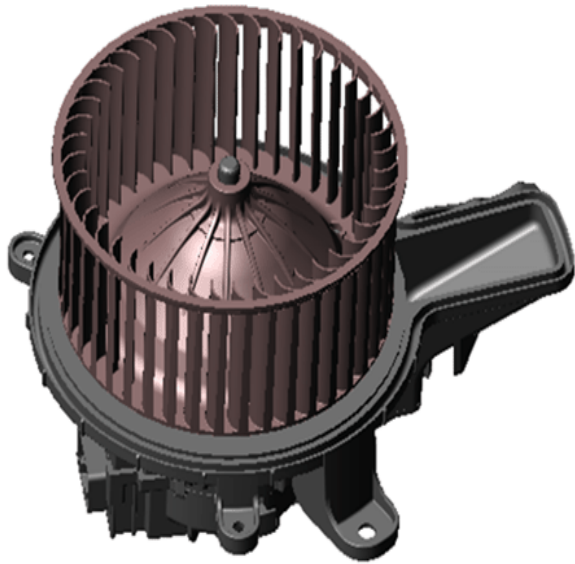
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4. Use GM glass cleaner, P/N 19287404 (in Canada, 88865156), and a cloth to wipe down the linear power module and the inside surfaces, (1) and (2), of the case.
5. Install the new auxiliary A/C evaporator. Refer to *Auxiliary Air Conditioning Evaporator Replacement* in SI.
6. Inspect the auxiliary blower motor assembly to identify if it is an original motor or a replacement:



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- An original blower motor will contain a cage with openings, as shown in the graphic above. **These original motors should be replaced, and not reinstalled.** Refer to *Auxiliary Blower Motor Replacement* in SI.



4840377

- A replacement blower motor will contain a closed cage, as shown in the graphic above. A replacement blower motor can be reinstalled. Refer to *Auxiliary Blower Motor Replacement* in SI.

Parts Information

Description	Part Number	Qty
MOTOR ASM-AUX BLO	23361388	1
EVAPORATOR ASM-AUX A/C	20827668	1
CLEANER, GLASS 18 OZ AEROSOL (10% VOC) Glass Cleaner 500 g (Canada)	19287404 88865156	1

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
4417169	A/C System Analysis	Use Published Labor Operation Time
4480408*	Replace Auxiliary Evaporator, Blower Motor Assembly and Clean Case	2.8 hrs**

*This is a unique Labor Operation for Bulletin use only.
 **This includes Diagnostic Analysis and Recover/Recharge R-134a A/C System

Version	2
Modified	July 20, 2017 – Added auxiliary blower motor assembly inspection to Service Procedure.

