



Service Bulletin

File in Section: -

Bulletin No.: 16-NA-234

Date: July, 2016

TECHNICAL

Subject: A/C Poor or No Cooling

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Cadillac	XT5	2017	2017			All	All

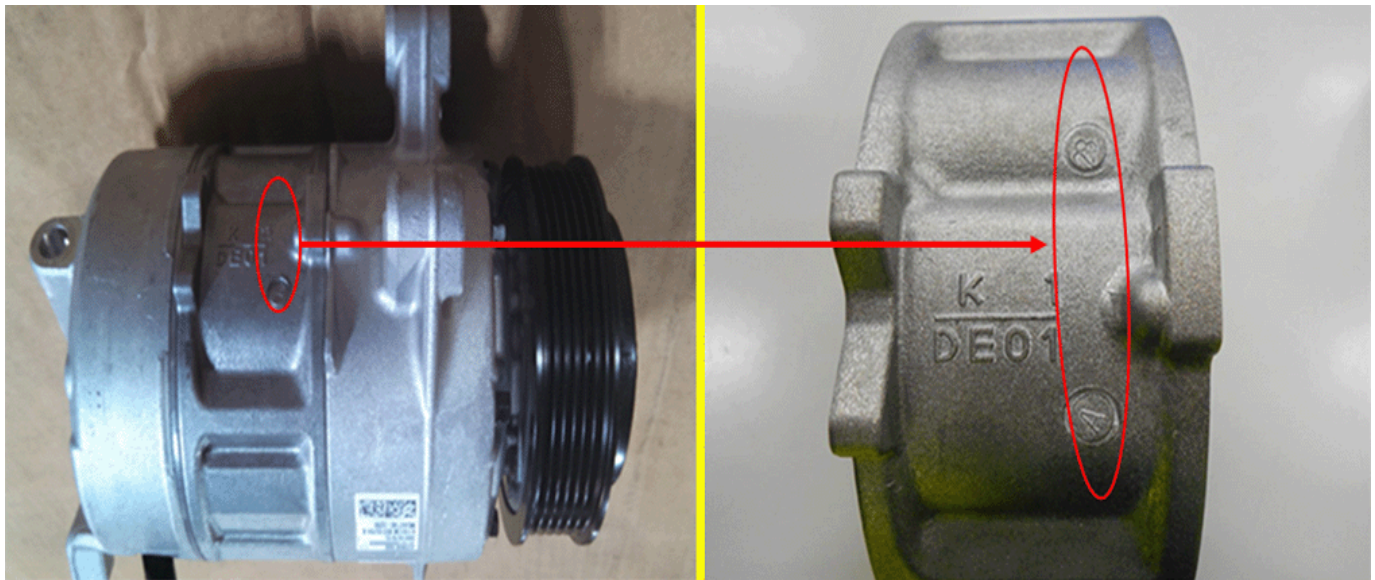
Involved Region or Country	North America and N.A. Export Regions
Condition	Some customers may comment on A/C with poor or no cooling.
Cause	The cause of the condition may be a production spill at the supplier, where AC compressor builds contained bores which were undersized.

Correction

First verify the condition by performing an AC performance test, looking for low and high side pressure readings that are almost equal. Refer to *Air Conditioning (A/C) System Performance Test* in SI.

Once the condition is confirmed, complete the Inspection Procedure below to verify if the AC compressor is within the window of mis-built compressors from the supplier.

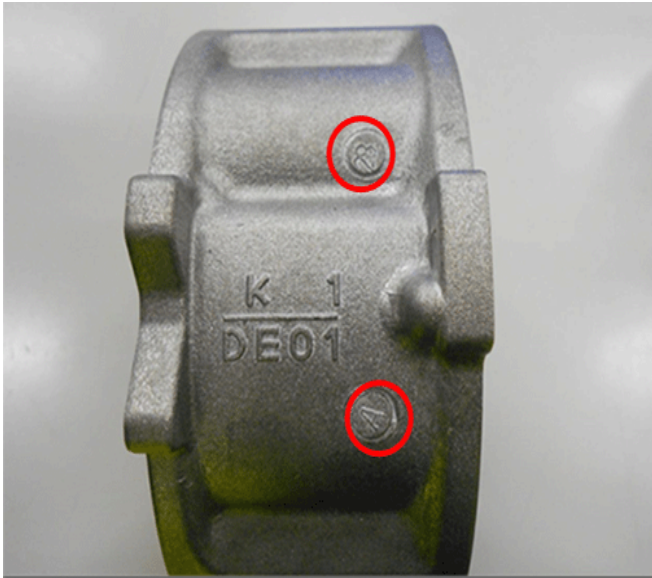
Inspection Procedure



The compressor cylinder contains die-cast date codes (shown circled above) that indicate the month (letter) and a day (number) of the compressor build. The die-casts are located on the rear surface of the compressor cylinder, against the engine block. To

visually inspect these die-casts, it will be necessary to partially remove the compressor and position it away from the engine.

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Note: A date code of January 28 is shown in the example above.

Known bad compressors fall within the date ranges specified below:

- Die-cast month of "A" = January. ALL dates in January are bad compressors; no need to verify day of build.
- Die-cast month of "B" = February. ANY February compressors **in combination with** dates 1 – 13, 66 or 99 are bad.

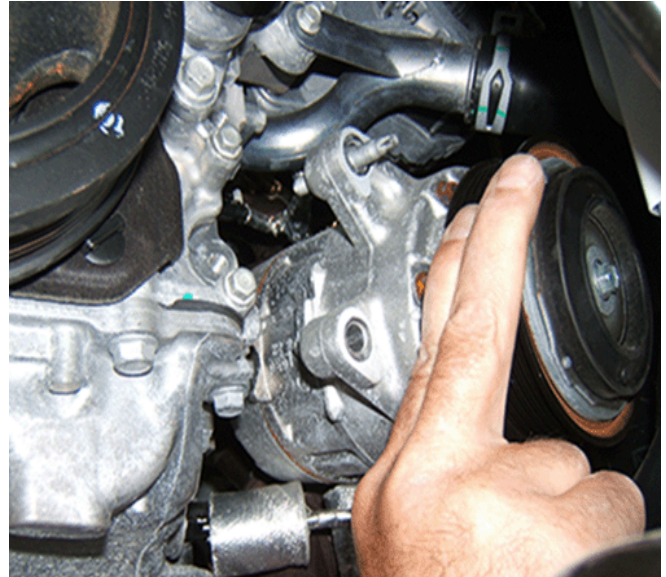
1. Raise and support the vehicle. Refer to *Lifting and Jacking the Vehicle* in SI.



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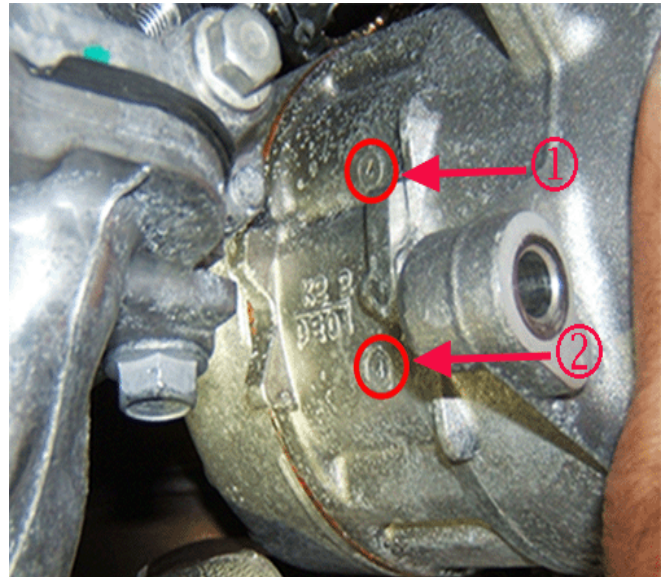
2. Remove the forward half of the right front wheelhouse liner and position liner rearward. Refer to *Front Wheelhouse Liner Replacement* in SI.
3. Loosen the drive belt tension enough to remove the drive belt from the AC compressor. Refer to *Drive Belt Replacement* in SI.

Important: It is not necessary to disconnect any AC lines or recover/recharge the refrigerant. This inspection can be done with the AC lines and electrical connectors intact.



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4. Remove the compressor fasteners and position the compressor away from the engine block. Refer to *AC Compressor Replacement* in SI.



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5. Inspect the compressor body for two circled die-casts, date (1) and month (2), located at the positions shown in the graphic above. Then refer to

the previous listing of known bad compressors to see if the date stampings of your compressor matches one of those listed.

- **If the date codes match**, your compressor is bad and will need replacement. Move ahead to the Service Procedure to complete the replacement of the compressor.
- **If the date codes don't match**, your compressor is likely not the cause of the issue. Reassemble the vehicle, then refer to further AC diagnostics in SI.

Service Procedure

1. Continue with the remaining steps necessary for removal of the AC compressor. Refer to *AC Compressor Replacement* in SI.
2. Install the new AC compressor. Refer to *AC Compressor Replacement* in SI.

Parts Information

Description	Part Number	Qty
A/C Compressor	23422341	1, if necessary

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
4417169	A/C System Analysis	Use Published Labor Operation Time
4480498*	Air Conditioning Compressor Replacement (Inc. Date Code Inspection)	3.0 hrs
*This is a unique Labor Operation for Bulletin use only.		

Version	1
Modified	

