



# Service Bulletin

File in Section: -

Bulletin No.: 16-NA-307

Date: September, 2016

## TECHNICAL

**Subject: Moaning or Vibration Type Buzzing Noise from Under Vehicle**

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Cadillac	ATS	2016	2017			LF4, LT4	M5U
	CTS						

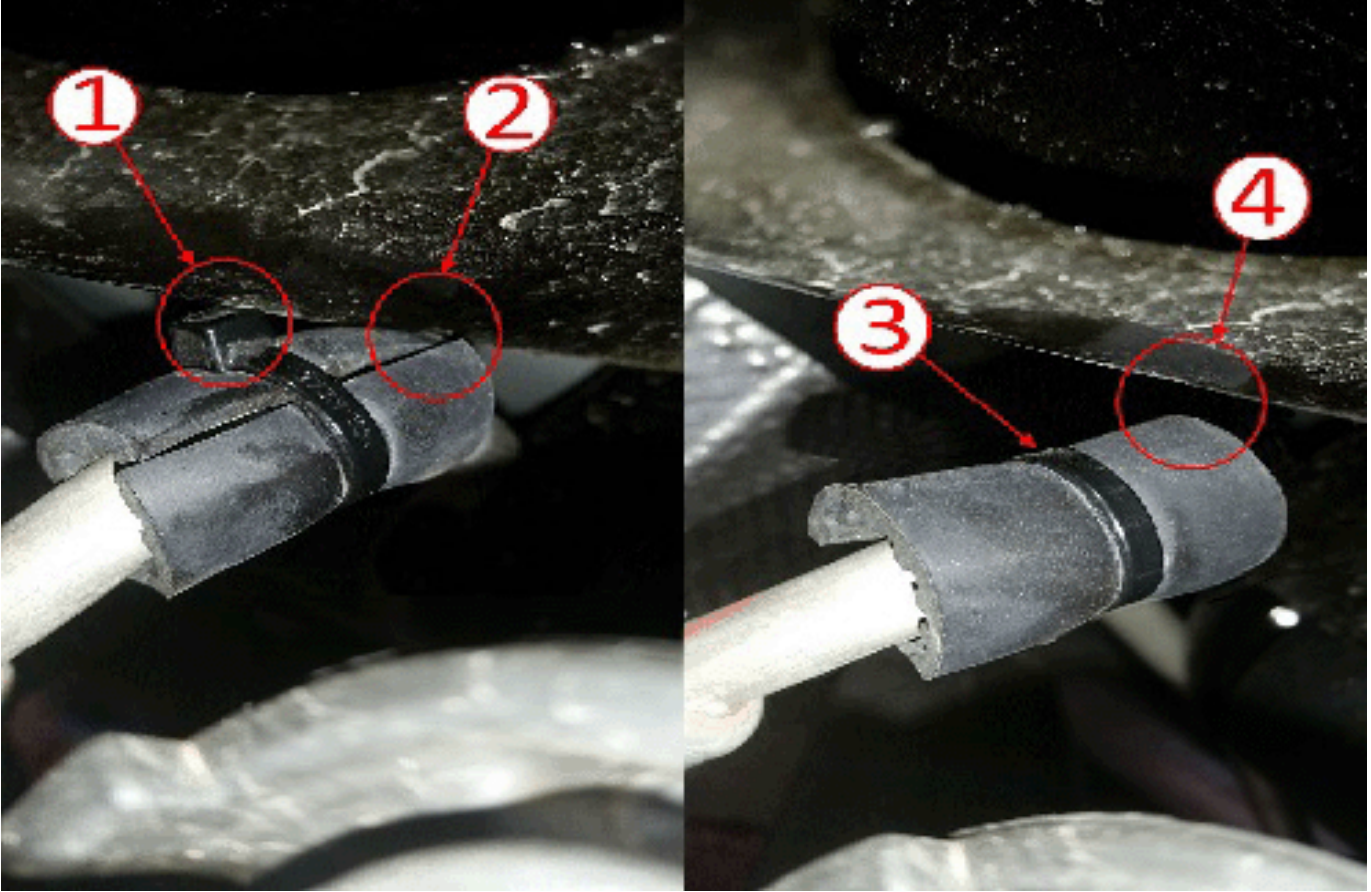
<b>Involved Region or Country</b>	North America and N.A. Export Regions
<b>Condition</b>	<p>Some customers may comment on the following conditions from under the vehicle:</p> <ul style="list-style-type: none"> <li>• Moaning noise around 700-900 RPM</li> <li>• Vibration type buzzing noise</li> </ul> <p>Some customers may also comment that the transmission has a loud whine in fourth gear.</p> <p>The Technician may notice that the conditions will occur when the vehicle is at operating temperatures or the transmission fluid is between 120-140°F (49-60°C).</p>
<b>Cause</b>	This condition may be caused by the transmission/rear differential cooling lines contacting the body.

### Correction

**Note:** The cooler lines must be positioned so that any noise that is created from the transmission or rear differential can not be amplified through the vehicles body.

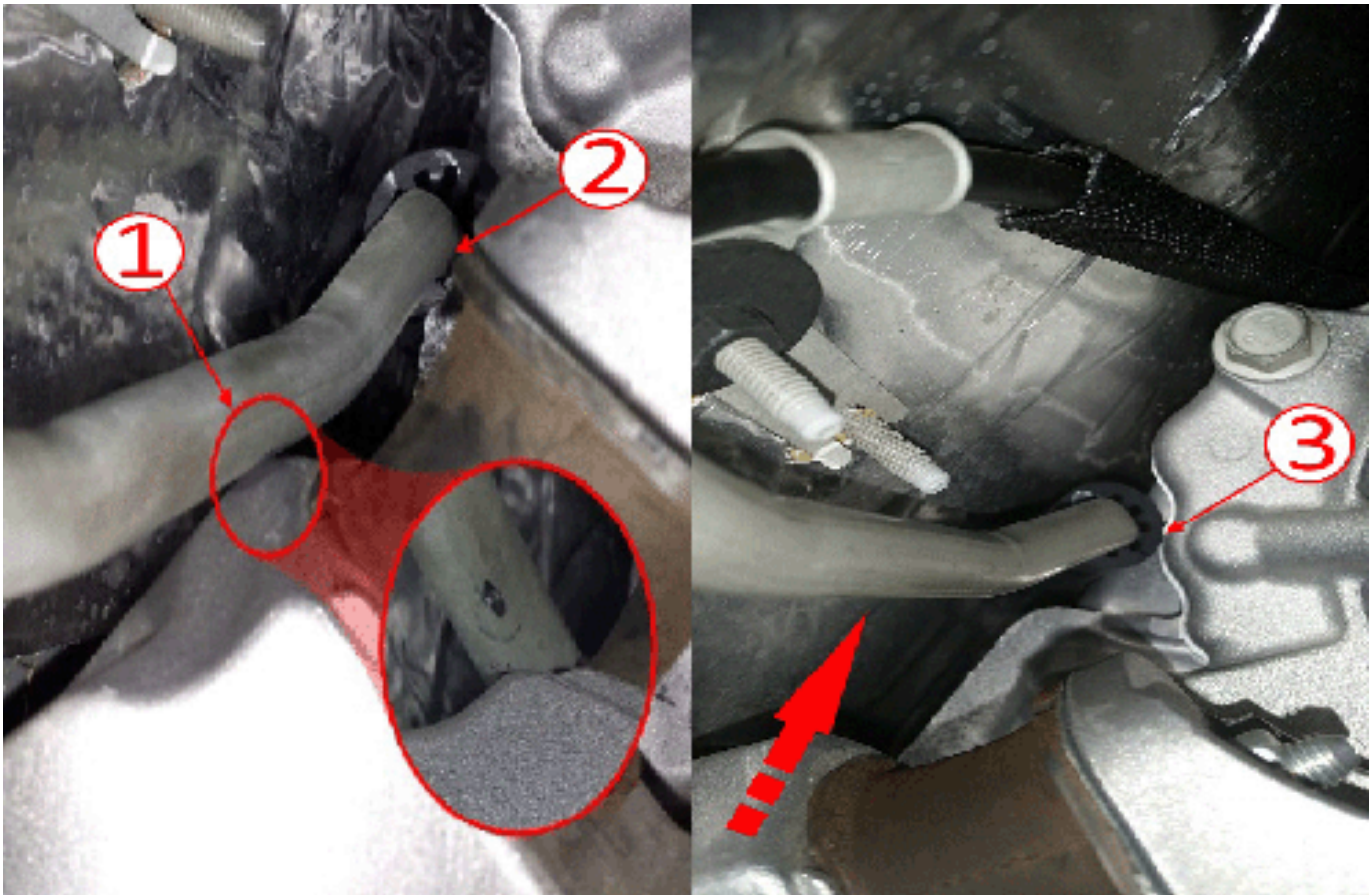
If the transmission/rear differential cooler lines have been found contacting the body, the lines must be repositioned away from the contact point.

## Inspection



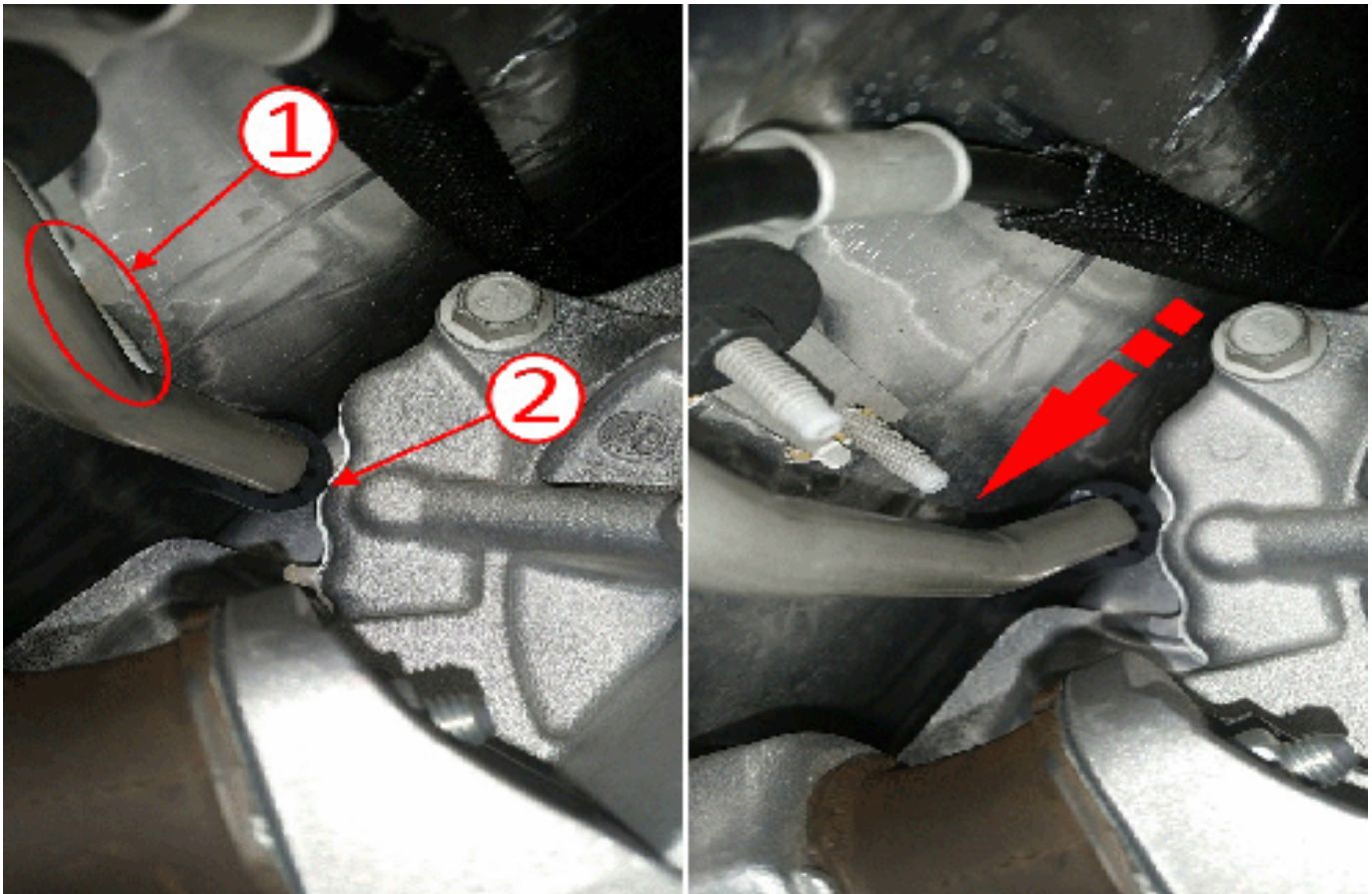
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1. Inspect tie straps (1) or bumpers (2) for signs of contact with the vehicle body.
  - The tie straps should be positioned away from the body (3).
  - The cooler line insulators should not contact the body, frame or rear cradle (4).



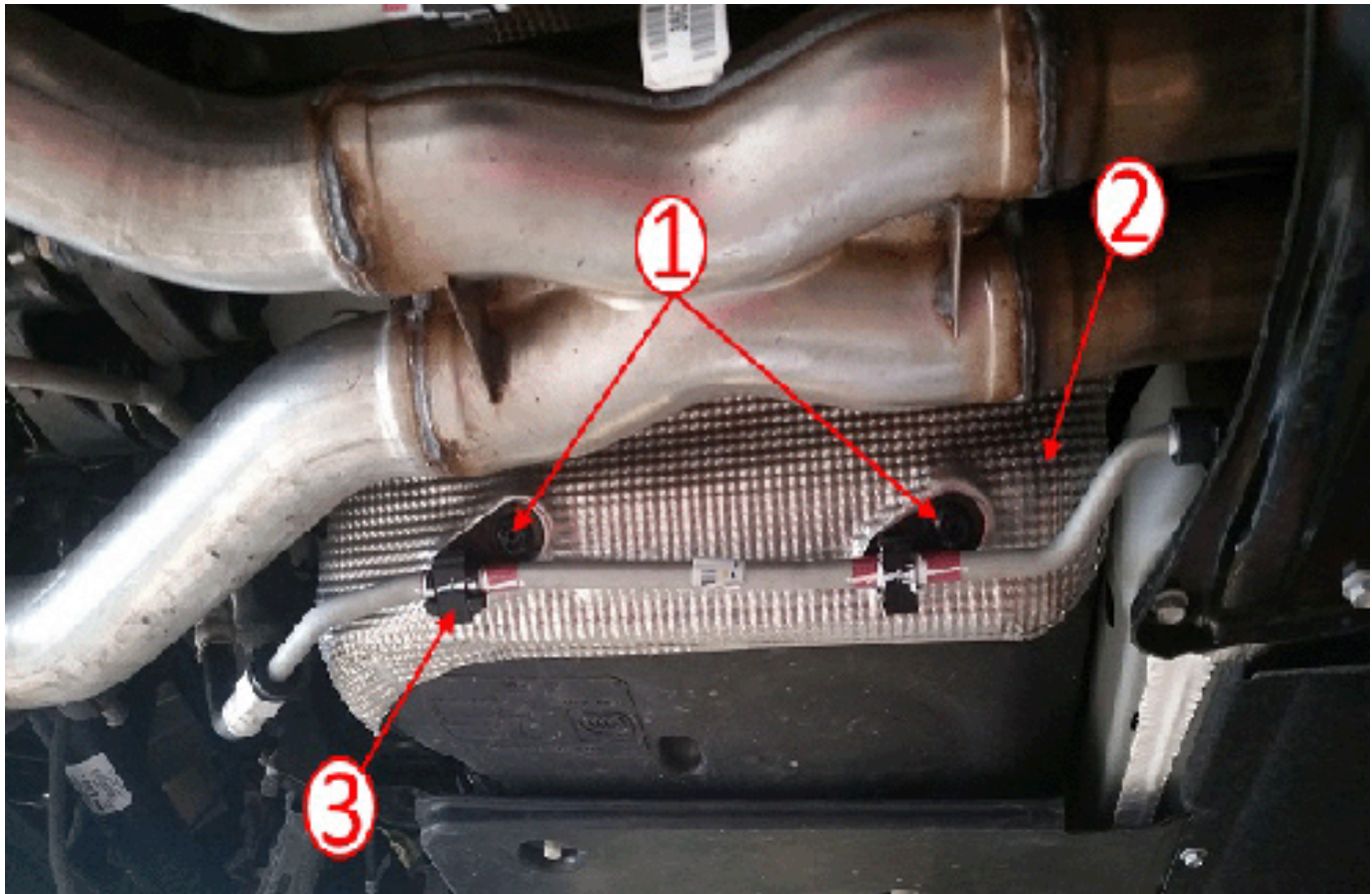
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2. Inspect cooler lines for contact to mounts (1) or metal on metal (2).
  - If necessary, install or re-position insulators (3) avoiding metal on metal contact.
  - Position cooler lines allowing for proper clearance as shown on the right.



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3. Inspect cooler lines for contact with the body or any protruding studs (1).
  - Insulated lines may contact the transmission (2).
  - Position cooler lines away from studs as shown on the right.



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**Note:** Cooler line clips (3) are held on to a bracket that locks onto a floating style retainer (1), which allows for minimal movement.

4. Inspect cooler lines for excessive movement and contact with the body or heat shields (2).
  - Position cooler lines so they do not bind the floating retainer.
  - Verify clips are secured to the cooler lines and retainer brackets.

### Warranty Information

Labor Operation	Description	Labor Time
8480548*	Inspection and Reposition Transmission Oil Cooler Lines	0.5 hr
*This is a unique Labor Operation for Bulletin use only.		

Version	1
Modified	

