



# Service Bulletin

File in Section: -

Bulletin No.: 18-NA-104

Date: April, 2018

## INFORMATION

**Subject: Hoot, Whine, Buzz, Hiss Noise Coming from Vehicle After Engine is Shut Off**

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Cadillac	ATS-V	2016	2019			3.6L (LF4)	All
	CT6	2016	2019			3.0L (LGW)	All
	CTS XTS	2014	2019			3.6L (LF3)	All

<b>Involved Region or Country</b>	North America and N.A. Export Regions
<b>Condition</b>	Some customers may comment that they hear a hoot, whine, buzz, hiss type noise for approximately 5 seconds after shutting off the vehicle. This noise may be more noticeable with the hood open. Upon inspection, the technician may find the noise may be more noticeable near the turbocharger wastegate regulator solenoids.
<b>Cause</b>	This is a normal characteristic of the turbocharger vacuum system equalizing to ambient conditions after shutdown. The noise may be heard more noticeably around the wastegate regulator solenoids. When the engine turns off, the vacuum to the turbocharger wastegate actuator is released, and the air rushes back through the wastegate regulator solenoid (LH and RH operated separately). This air can cause an internal diaphragm in the solenoid to resonate, creating an audible noise until the air is fully released (less than 5 seconds). The resonant frequency of each individual part differs with the design tolerances of the solenoid assembly. This is why one part may exhibit the noise, while another will not.

### Service Procedure

This is a normal characteristic of the turbocharger vacuum system. This audible sound is normal, and the customer can be assured that there is no problem with the function of the wastegate regulator solenoid. The potential for an audible noise is a function of the resonant frequency of the diaphragm in the new replacement part.

### Parts Information

No parts needed for this condition.

### Customer Information

Please communicate to the customer this condition is a normal operating characteristic of their vehicle. Please share this information with the customer, including a copy of this message.

<b>Version</b>	1
<b>Modified</b>	Released April 5, 2018

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". 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, DO NOT 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.



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