



Service Bulletin

TECHNICAL

Subject: Diagnostic Tip for Booming Noise of Active Noise Cancellation (ANC) Module Between 1,500 RPM to 2,400 RPM

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Impala (VIN 1)	2014	2016				
	Impala	2017	2017				

Involved Region or Country	North America and N.A. Export Regions
Additional Options (RPOs)	UQG, UQS
Condition	Some customers may comment on a booming noise heard around 1,500 to 2,400 RPM's.
Cause	This condition may be caused by incorrect speaker polarity from the amplifier, electrical connector at the doors, and/or the rear shelf speakers, which can create an opposite pressure effect in the passenger compartment.
Correction	<p>If the noise can be validated by allowing the engine to safely rev to the specified RPM's and disconnect any of the microphones or opening a door, will turn the ANC off.</p> <p>If the unwanted noise goes away, that would indicate that the trouble is to be related to the ANC output function in the amplifier.</p> <ul style="list-style-type: none">• Check the polarity to all the bass producing speakers:<ul style="list-style-type: none">– Front and rear doors– Amplifier– If equipped, rear shelf speaker

Parts Information

No parts are required for this repair.

Warranty Information

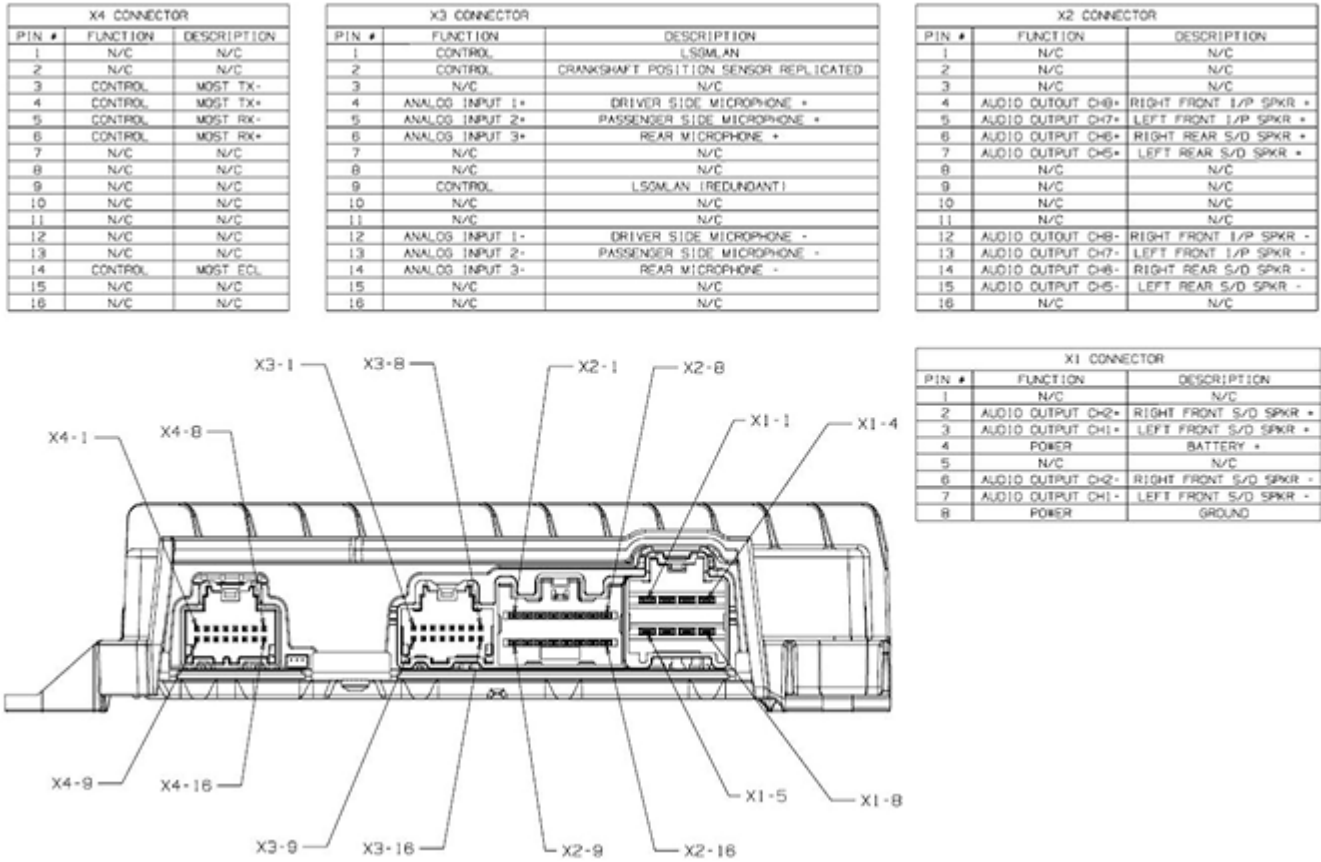
Labor Operation	Description	Labor Time
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5430840	Terminal Replacement	Use Published Labor Operation Time
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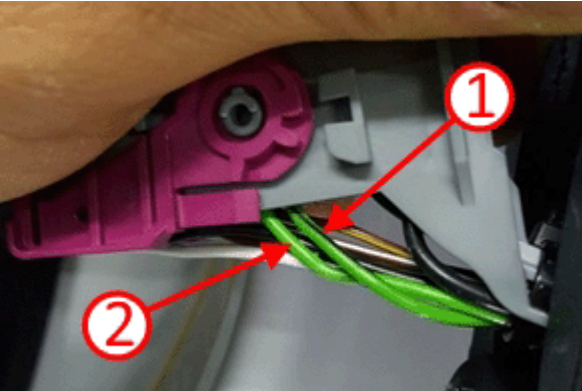
Service Procedure

Refer to Terminal Removal in SI for proper terminal removal and installation.

Note: The pinouts noted in the schematic should aid in determining if any wires to the speakers are reversed.

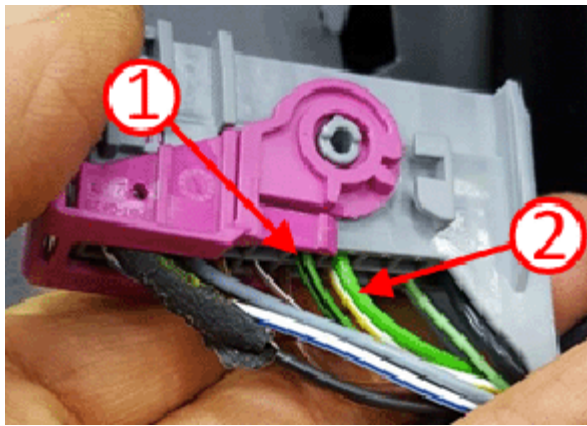


Refer to the ANC module diagram in SI to validate the wiring output to speakers.



Example of incorrect speaker polarity found at the electrical connector located at the left side rear door.

- Speaker Positive (1)
- Speaker Negative (2)



Example of correct speaker polarity.

- Speaker Positive (1)
- Speaker Negative (2)

Version	1
Modified	

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