



Bulletin No.: PIC6485A
Published date: 06/14/2024

Preliminary Information

PIC6485A Diagnostic Tip - Noise or Vibration with A/C Compressor on.

Models

Brand: Cadillac LYRIQ **Model:** LYRIQ **Model Years:** 2023 - 2024 **VIN:** All **Engine:** All All **Transmissions:** All

Involved Region or Country	North America
Condition	A noise or vibration maybe noticed while the A/C Compressor is running.
Cause	Compressor upper mount twisted during attachment of the upper mount to the compressor.

Correction:

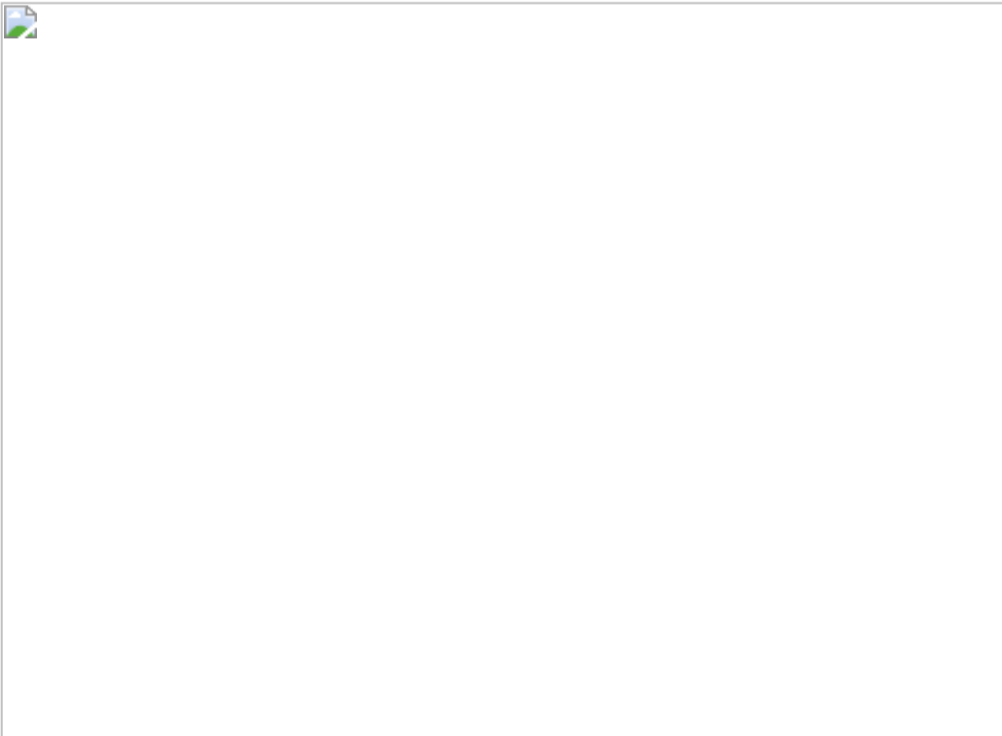


View from top side front of A/C compressor.

1. Front PEC Rail

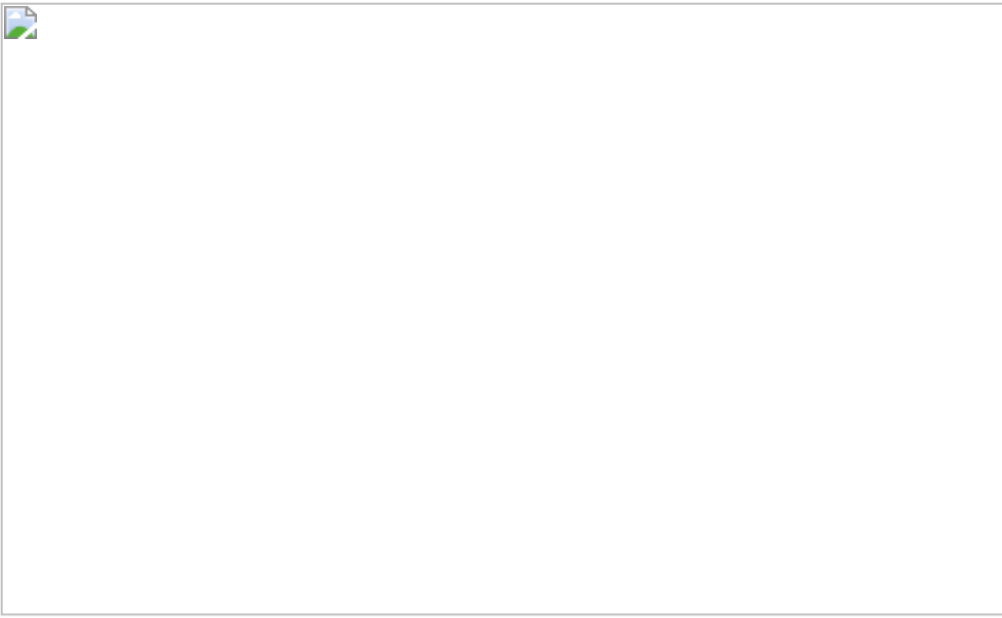


This is a View from the front of the A/C Compressor/Vehicle. If the gap between the upper Compressor mount to the front PEC rail is not even across the width of the part, then the bracket has twisted when it was installed and can cause NVH issues. If it has twisted, then the gap will be less on the passenger side of the part versus the driver's side.



View from top side rear of A/C Compressor.

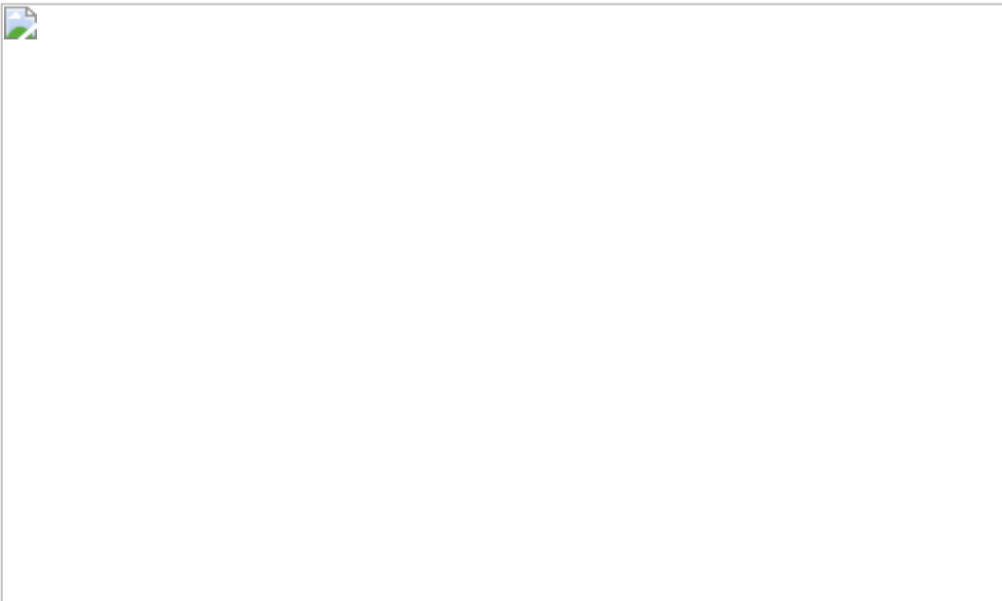
1. Loosen the through bolt that secures the compressor to the upper mount bracket enough that the bracket can rotate back to a horizontal position.



View from top side front of the A/C Compressor.

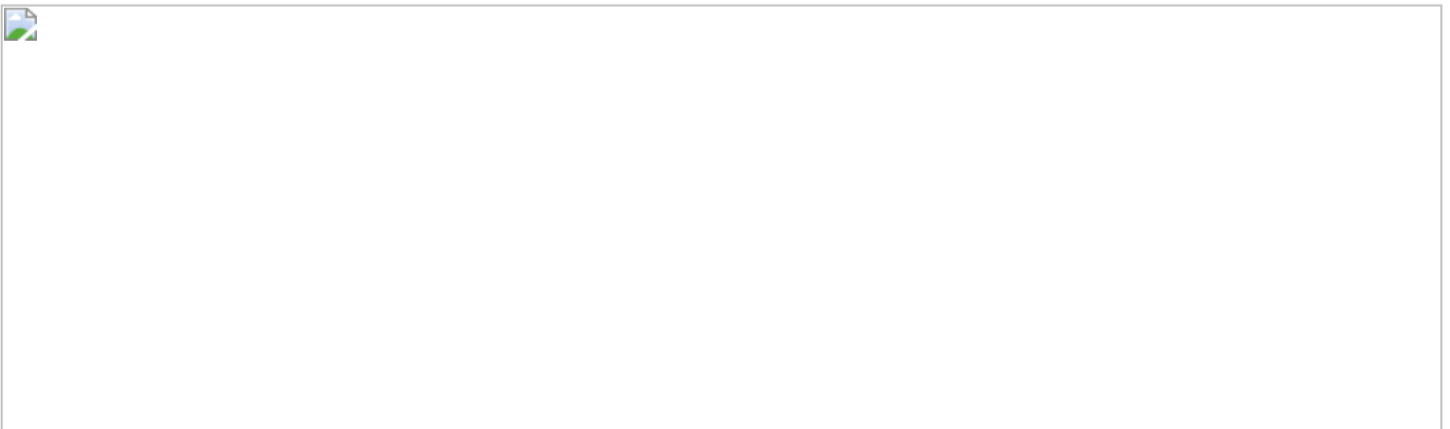
Once the bracket is parallel to the ground and the PEC rail again, slide a shim (6.5 mm thick) or a screw driver between the PEC rail and the bottom of the bracket to ensure the bracket does not twist again during re-torquing of the bolt.

Torque through bolt to 30 nm + 45 to 60 degrees.



View from bottom side rear of A/C compressor.

After the fastener from the compressor to top mount bracket has been re-torqued, inspect the condition of the 2 lower mounts. The upper bracket (purple) and the lower bracket (cyan) of the lower mount system should be parallel to each other.



View from bottom side rear of A/C compressor.

With the compressor in static load position, there should be no contact between the rubber isolator (snubbers) and adjacent metal washers.

Warranty Information

For vehicles repaired under the Bumper-to-Bumper coverage (Canada Base Warranty coverage), use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
5080358	Inspect and Align High Voltage A/C Compressor Mounts	1.5 Hrs.
*This is a unique Labor Operation for Bulletin use only.		

Version History

Version	2
Modified	01/06/2023 - Created on. 06/14/2024 - Added 24 model year.

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