

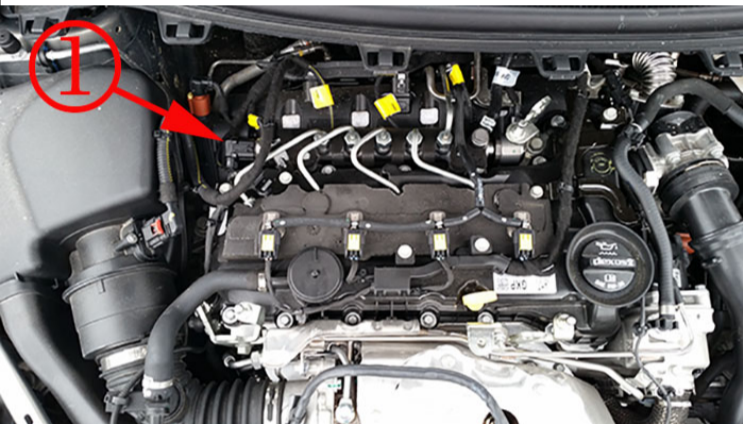


Preliminary Information

PIP5483A Chevrolet Cruze Diesel Noises When Vehicle is Turned Off

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Cruze	2017 - 2018	All	All	1.6L Turbo Diesel (LH7)	All

Involved Region or Country	North America
Condition	A dealer may encounter a customer concern of a ratcheting, squeak, chirp, moan, and whine or buzz type noises heard shortly after the vehicle has been turned off.
Cause	<p>There are some components that may produce noises shortly after the engine has been turned off:</p> <p>1-The Intake Manifold Runner Control Valve Actuator may be heard cycling under the hood.</p> <p style="padding-left: 20px;">A. This is done as an integrity check and to confirm that the mechanical link between the actuator and the intake manifold runner is still connected.</p> <div style="text-align: center;">  </div> <p>(1) Intake Manifold Runner Control Valve Actuator</p> <p>2- The Diesel Exhaust Fluid (DEF) Pump and DEF Reverting Valve purging DEF.</p> <p style="padding-left: 20px;">A. The Diesel Exhaust Fluid (DEF) Pump and DEF Reverting Valve may be heard from the vehicle and/or right rear of the vehicle. When the vehicle is turned off the DEF pump and reverting valve operate to relieve the DEF system pressure and to clear the lines of DEF. The reverting valve is opened to relieve the pressure and send the fluid back to the DEF tank, and then the reverting valve is closed once the DEF lines are clear.</p>

Correction:

The noises below are considered to be normal operating characteristics of the vehicle.

It will not impact the designed performance or reliability of the vehicle.

U.S Dealers:

The noises described above were discussed in and samples are available to listen to on the GM Center of Learning web site, centerlearning.com, in course number 10217.03V, March 2017 Emerging Issues which will be available by March 9th. It will be in the Powertrain segment.

Canadian Dealers:

Watch for this topic in the April 2017 TAC Talk Powertrain segment; on the GM Canada Centre of Learning website.

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.

Version History

Version	2
Modified	3-10-2017- Created 10-17-2018- Updated to add 2018 Model Year



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