



Preliminary Information

PIT5532A Squeak Chirp Type Noise From Rear Of Vehicle (Passive Exhaust Valve) or Exhaust Droan or Change in Tone

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Suburban	2015 - 2016	SOP	07/01/2016	5.3L	All
Chevrolet	Tahoe	2015 - 2016	SOP	07/01/2016	5.3L	All
Chevrolet	Silverado 1500	2014 - 2017	SOP	12/14/2016 for Plants G and Z*	4.3L or 5.3L	All
GMC	Yukon Models	2015 - 2016	SOP	07/01/2016	5.3L	All
GMC	Sierra 1500	2014 - 2017	SOP	12/14/2016 for Plants G and Z*	4.3L or 5.3L	All

Involved Region or Country:	North America and North America Export Regions
Condition:	<p>Some customers may comment on any of the following complaints:</p> <ul style="list-style-type: none"> - Squeak, whistle, or chirp type noise from the rear of the vehicle - Exhaust tone change and/or exhaust drone type noise - Buffeting vibration and/or body pressure booming <p>These concerns may be more noticeable when the engine transitions in and out of Active Fuel Management (AFM) mode, or while the engine is operating in V4 (4-cylinder) Active Fuel Management (AFM) mode in the 1,100-1,400 RPM range.</p> <p>Note: If the concerns are excessive, they may excite the roof sheet metal and compound the issue. (See the latest version of PIT5318.)</p>
Cause:	These concerns may be caused by the Passive Exhaust Valve (PEV), located in the exhaust muffler and tail pipe assembly, making noise or an exhaust leak.

Correction:

Inspect for an exhaust leak at the exhaust band (Norma) Clamp per latest version of PIP5442: Exhaust Leak, Noisy Exhaust, Rattle, Rumble and/or Noise Mid-Vehicle.

If it is unclear that the noise is coming from the PEV, as a test only perform the following diagnostic steps:

1: Temporarily lock the PEV in the open position, as shown in the latest version of PI1201. If the noise is gone, an updated PEV has been developed to correct this concern. The PEV is part of the muffler and tail pipe assembly.

2: Verify the concern is present Only during V4 mode.

2.1: Once the concern is duplicated, shift trans into manual 5th or 6th to switch back to V8 mode and re-test under same conditions.

2.2: Switch back and forth between Drive and manual 5th or 6th to turn concern On/Off.

If the concern is qualified to be present during V4 mode operation, an updated design exhaust is now available to address this concern for vehicles built before the build dates listed above.

If either test eliminates or reduces the concern, replace the muffler and tail pipe assembly with the applicable part number listed in the parts section, which includes the updated PEV.

Note: The updated design exhaust has the passive exhaust valve (PEV) located in front of the muffler; the original design exhaust has the PEV located behind the muffler. Proceed to the Parts Information table in this PI.

Parts Information

Part Number	Description	Qty
23385910	Muffler Ams-Exh (W/ Exh Pipe) – 5.3L L83 SUV Long Wheel Base CK159	1
23385911	Muffler Ams-Exh (W/ Exh Pipe) – 5.3L L83 SUV Short Wheel Base CK157	1
84020521	Muffler Ams-Exh (W/ Exh Pipe) – 5.3L L83 Crew Cab 6' 6" Bed CK15743	1
84020522	Muffler Ams-Exh (W/ Exh Pipe) – 5.3L L83 Crew Cab 5' 8" Bed CK15543 or 5.3L L83 Double Cab 6' 6" Bed CK15753	1
84020523	Muffler Ams-Exh (W/ Exh Pipe) – 5.3L L83 Regular Cab 8' Bed	1

84020524	CK15903 Muffler Ams-Exh (W/ Exh Pipe) – 5.3L L83 Regular Cab 6' 6" Bed CK15703	1
84020525	Muffler Ams-Exh (W/ Exh Pipe) – 4.3L LV3 Regular Cab 6' 6" Bed CK15703	1

Additional SI Keywords

14, 15, 16, 17, 2014, 2015, 2016, 2017, 4.3, 4.3L, 5.3, 5.3L, active, Active, AFM, boom, C1, Chevrolet, chirp, droan, drone, exhaust, Fuel, GMC, K1, K2UX, K2XX, L83, LV3, Management, muffler, noise, passive, PEV, pipe, PIT5532, PIT5532A, rear, right, squeak, tail, V4, V6, V8, valve,

Version History

Version	2
Modified	



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