



Preliminary Information

PIP5581 CVT7 shudder concerns. Fluid replacement procedure.

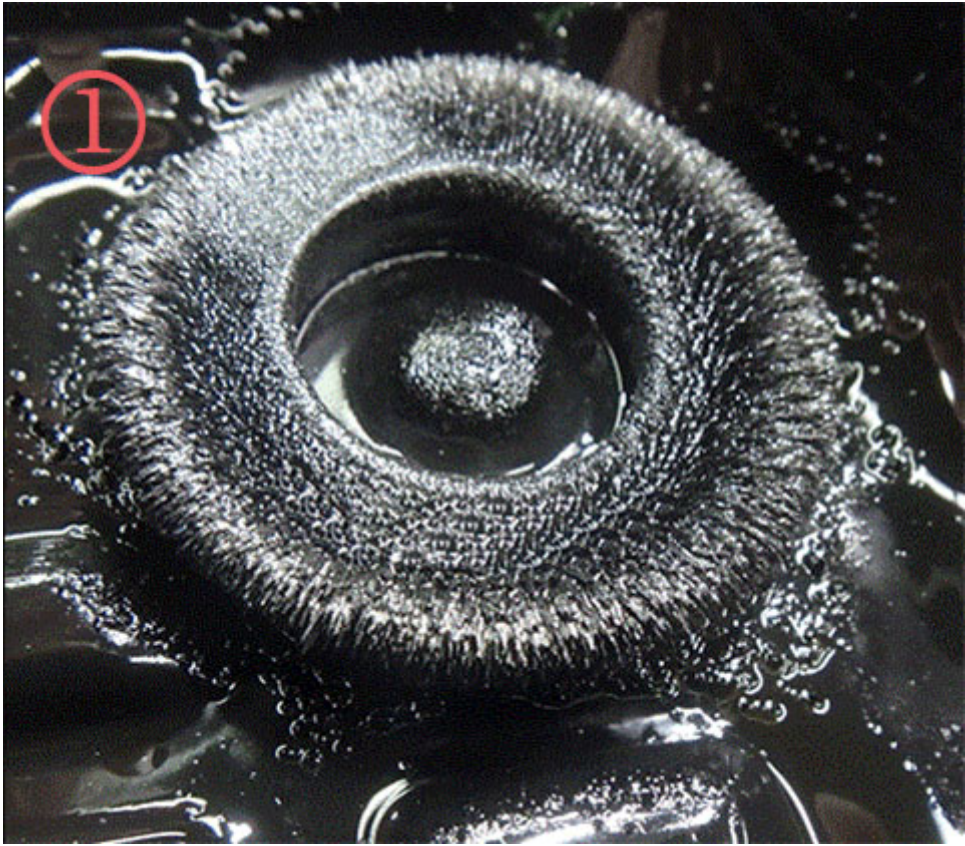
Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Spark	2014 - 2019	All	All	LL0, LV7	M4M, MR8

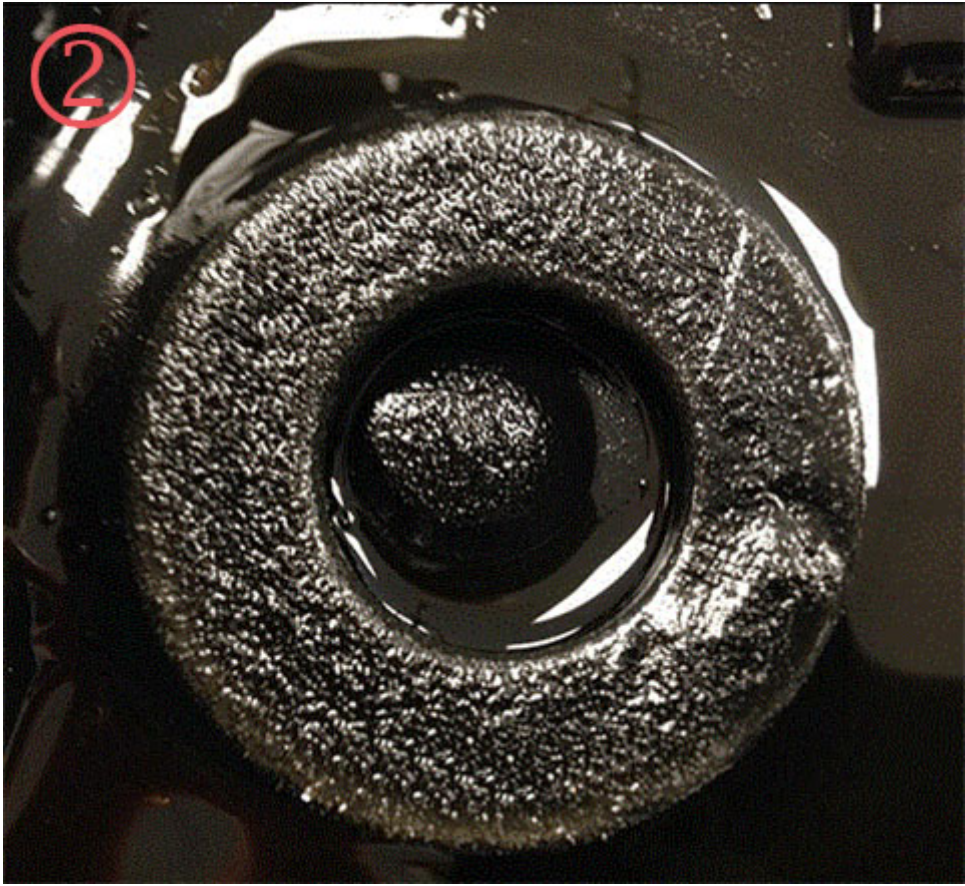
Involved Region or Country	North America
Additional Options (RPO)	NA
Condition	Some Chevrolet Spark vehicles may exhibit a short duration shudder on launch from stop or on acceleration from low speed (such as turning a corner). Condition may be difficult to duplicate as it is momentary and may only occur under certain rates of braking and accelerating.
Cause	Degradation of the CVT fluid may alter the friction characteristics and lead to shudder concerns during a shift from high or low range. (It is normal for this transmission to remain in high range under medium to hard braking and may only make the high/low range shift on acceleration after the braking maneuver.) Note: It may be helpful to obtain a GDS session log of transmission data during the conditions when the shudder occurs.

Correction:

- Step 1. Remove the fluid pan and inspect the magnets for metal debris. Refer to [PIP5548](#) (SI Doc 4955910).
It is normal to have some metallic build up on the magnets.
If the magnets show only the normal magnetic sludge, reinstall the pan using a new gasket if needed.
Per [PIP5548](#), do NOT replace the transmission if metal chips cannot be FELT in the magnetic sludge.



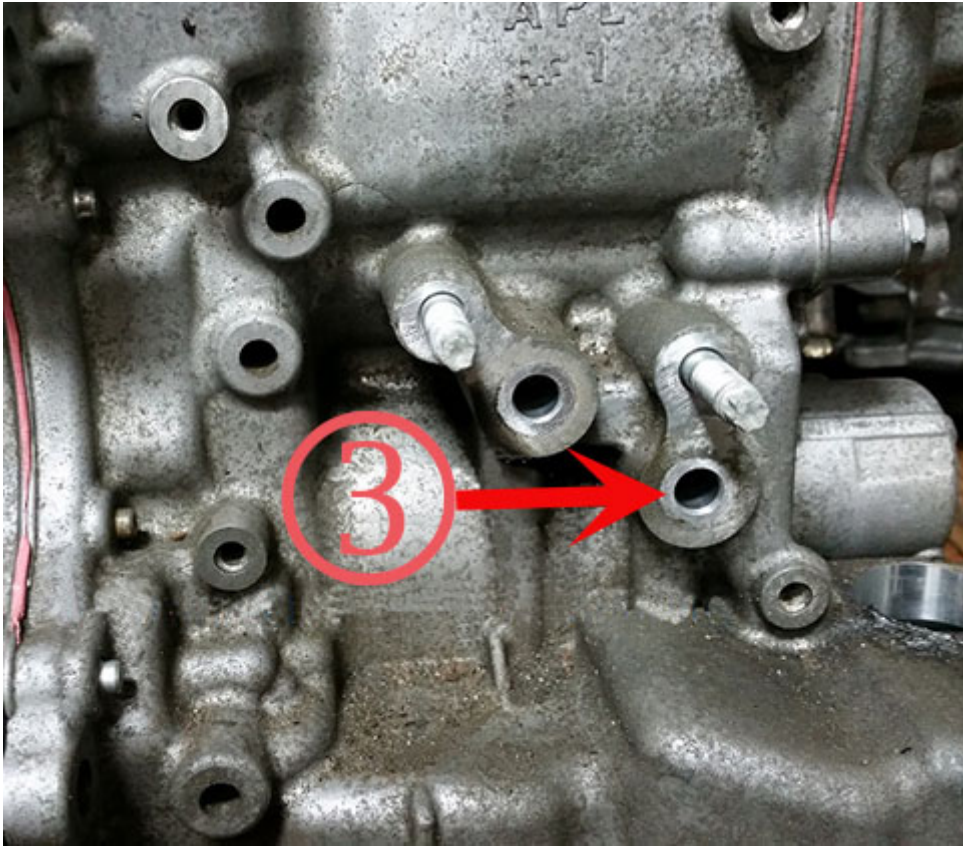
Call out 1
Abnormal debris.



Call out 2
Normal debris.

Step 2. Reinstall the fluid pan and fill the transmission with 5 quarts of AC Delco CVT fluid P/N 19260800.
(Transmission will be over-full at this point.)

Step 3. Disconnect only the transmission cooler return line from the transmission and route it into a suitable container. (The cooler return line connects to the lower port at the transmission.)



Call out 3
Cooler return port.

Step 4. Start and run the engine for 30 seconds then check the amount of fluid in the container. Flow rate should be approximately 1 quart per 10 seconds.

It will take 3-4 quarts to flush the torque converter and discharge clean fluid from the return line.

If necessary, start and run the engine again for no more than 20 seconds.

Step 5. Reinstall the cooler return line.

Step 6. Add 2 quarts of CVT fluid to the transmission.

Step 7. Adjust transmission fluid lever per SI Document 4113608.

Note: After replacing the fluid, the shudder should be noticeably improved within 100 miles, however, it may take up to 300 miles for the new fluid to fully saturate the clutch plates.

NOTE: As further information becomes available this PI will be updated or replaced with a bulletin as needed.

Parts Information

Description	Part Number	QTY
Transmission Fluid Pan Gasket (If Needed)	25191102	1
Automatic Transmission CVT7 Fluid	19260800	7

Warranty Information

Labor Operation	Description	Labor Time
8480788	Drain and replace all fluid from transmission and torque converter for shudder repair.	1.1
*This is a unique Labor Operation for Bulletin use only.		

Version History

Version	1
Modified	Created July 30, 2018



GENERAL MOTORS

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