



Service Bulletin

PRELIMINARY INFORMATION

Subject: Fluid Leak From Front End Of Allison Transmission

Models: 2015 Chevrolet Silverado
2015 GMC Sierra
Equipped with LCT1000 Automatic Transmission (RPO MW7)

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Condition/Concern

There have been several areas where leaks have been found from inside the torque converter housing:

1. Torque converter seal to torque converter hub.
2. Around the outer bolts that attach the torque converter housing to the case/ front support.
3. Casting porosity.

Recommendation/Instructions

Diagnose per Document ID: 2414199 by adding dye.

Determine origin of the leak:

Note: To avoid spillage when removing the torque converter, with the transmission mounted in a stand and with a torque converter retaining bracket installed.

Position the transmission with the bell housing facing downward, using a floor jack lower the torque converter out of the transmission after removing the retaining bracket bolts.

1. If the leak is from torque converter seal.
Replace torque converter seal and inspect torque converter hub for possible sharp edges on the transition from flats to hub diameter that may damage the seal when the torque converter is installed.
If sharp edges are found, dress the edges or replace the torque converter.
2. If the leak is from any of the outer converter housing bolts (Item 11 of doc ID 2403710).
Replace Separator Plate (Item 3 of doc ID 2384493), both separator plate gaskets, the pump O-ring, all the retaining bolts and seals.
Install new copper washers under the two lower housing bolts (Item 10 of doc ID 2403710) (P/N 21012386).

Note: If the leak is coming from either of the two lower bolts with the copper washers, replace just the copper washers and re-torque the bolts.

Note: Separator plates have been found that are not flat, this issue was corrected on vehicles built April 1, 2015 and later.

3. If Leak is through the torque converter housing casting replace the casting, the gaskets and the separator plate.

Parts Information

Part Number	Description	QTY
29540130	Torque Converter Housing Gasket	1
29537620	Fluid Pump O- ring	1

29546315	Fluid Pump Plate	1
29551221	Turbine Shaft Seal	1
29536406	Seal Kit, A/TRNS Fluid Pump Slide	1
29546763	1234/456 Clutch Sealing Ring	3
29536478	Case Gasket	1
29546682	Torque Convertor Seal	1
24266782	Bolt/Seal Housing To Pump	10
21012386	Copper Washer	2

Warranty Information

Labor Operation	Description	Labor Time
8464970	Torque Convertor Fluid Seal Replacement	Use Published Labor Operation Time
8464910	Torque Convertor Housing Replacement	Use Published Labor Operation Time
8464890	Torque Convertor Housing Bolt Seal Replacement	Use Published Labor Operation Time
8465070	Transmission Fluid Pump Gasket Replacement	Use Published Labor Operation Time

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.

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