



# Service Bulletin

File in Section: -

Bulletin No.: PIP5097

Date: March, 2013

## PRELIMINARY INFORMATION

**Subject:** ZL1 Rear Differential Moan Noise On Turns

**Models:** 2012-2013 Chevrolet Camaro ZL1

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

### Condition/Concern

Some customers may comment on a moan noise from the rear axle during cold start turning maneuvers. In some instances the noise has been described as coming from the front of the vehicle. The noise may start to be noticed as the vehicle accumulates over 3,000 miles.

### Recommendation/Instructions

**Note:** Steps 2 – 9 MUST be performed two (2) times for a total drain and fill of three (3) times to have this procedure be effective.

1. With original lube in axle, conduct Freeway Speeds for 10 miles to warm up lube.
2. Immediately drain original lube and refill with fresh lube.
3. In parking lot lock steering to the right, and then execute 5 Full Circles at (5-10 mph).
4. In parking lot lock steering to the left, and then execute 5 Full Circles at (5-10 mph).
5. Perform 4 Figure 8's at (5-10 mph).
6. Freeway Speeds for 20 miles until operating temperature is achieved.
7. In parking lot lock steering to the right, and then execute 5 Full Circles at (5-10 mph).
8. In parking lot lock steering to the left, and then execute 5 Full Circles at (5-10 mph).
9. Perform 4 Figure 8's at (5-10 mph).
10. Immediately drain current lube in axle and refill with fresh lube.
11. Perform Steps 3 thru 9 again.
12. Immediately drain current lube in axle and refill with fresh lube.

This procedure is only to be used for the condition listed above. During regular maintenance, the fluid only needs to be changed one time. The maintenance schedule can be found in the owner's manual on pages 11-5 and 11-7. For regular service the fluid is changed at 45,000 miles or 72,000 Km and for severe service the fluid needs to be changed every 15,000 miles or 24,000 KM.

Oil Dextron LS Gear 75w90: US - 88862624 2.43 Qt.; Canada - 88862625 2.3L

### Warranty Information

For vehicles repaired under warranty use:

Labor Operation	Description	Labor Time
F9744*	Road Test, Drain, and Refill Axle 3 Times	2.6 Hours
* This is a unique labor operation for bulletin use only. It will not be published in the Labor Time Guide.		

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.