



# Service Bulletin

File in Section: -

Bulletin No.: PI0137D

Date: July, 2013

## PRELIMINARY INFORMATION

**Subject:** Rear Axle Chatter or Moan Type Noise on Low Speed Turns (Excluding ZL1)

**Models:** 2010-2014 Chevrolet Camaro (Excluding ZL1)  
Equipped with Limited-Slip Differential (RPO G80)

**Attention:** For 2010 and 2011 vehicles built prior to August 25, 2010, if the chatter noise you are experiencing occurs only in Reverse while making a turn, please review the latest version of PIC5424.

This PI has been revised to add the 2013-2014 model years and update the Warranty Information. Please discard PI0137C.

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 chatter or moan type noise from the rear of the vehicle while making low speed turns.

This condition may be caused by a slip/stick of the posi-traction clutch plates. As the plates slip and stick, a jumping or jerking feel occurs, accompanied by a chatter noise.

### Recommendation/Instructions

**Caution:** The rear axle seals must be replaced. The original seals are not compatible with the new fluid.

Replace both rear axle shaft seals with GM P/N 22798805 and drain/refill the rear differential with new fluid, GM P/N 88862624 (in Canada, use P/N 88862625). Refer to the Rear Axle Shaft Seal and Differential Oil Replacement procedures in SI. This fluid includes a limited-slip additive (friction modifier) already added. DO NOT add any limited-slip additive (friction modifier).

**Important:** Please advise the customer that once the differential fluid has been changed, it may take as long as 805 km (500 miles) for the lubricant to fully penetrate the limited slip clutch plates. During this period some chatter may still be felt on initial startup while making slow turns until the rear differential fluid warms up.

**Note:** DO NOT re-use the wheel drive shaft nut. Replace with NEW only.

### Parts Information

Part Number	Description	Qty
22798805	Seal, Rear Axle Shaft	2
11611687	Nut, Rear Wheel Drive Shaft	2
88862624 (US -1 qt) 88862625 (Canada -1 L)	Fluid, Manual Transmission (Dexron LS Gear Oil 75W-90 MTF)	1

## Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
3080028*	Replace Both Rear Axle Shaft Seals and Drain/Refill Rear Axle Fluid	3.1 hrs
*This is a unique labor operation for bulletin use only. It will not be published in the Labor Time Guide.		