

# 2005 - 2007 Corvette: Service Bulletin: Rear Axle Clunk and/or Chatter Type Noise on Turns

**Subject:** Rear Axle Clunk and/or Chatter Type Noise on Turns (Drain/Refill Rear Differential Fluid and Add Specified Limited-Slip Axle Additive)

**Number:** #07-04-20-002

**Date:** (04/16/2007)

**Models:** 2004-2007 Cadillac XLR (Including V-Series and Export)  
2005-2007 Chevrolet Corvette (Including Z06 and Export)

## Condition

Some customers may comment on a clunk and/or chatter type noise from the rear of the vehicle while making turns.

## Cause

This condition may be caused by slip/stick of the posi-traction clutch plates due to insufficient limited-slip axle additive. As plates slip and stick, a jumping or jerking feel occurs accompanied by a clunk noise.

## Correction

Important: DO NOT remove the differential cover from the rear or the two sides. It is not necessary to flush the old fluid from the differential.

Drain and refill the rear differential fluid using the procedure listed below. Add the increased amount of limited-slip axle additive specified below.

89021677 (89021678 In Canada)

Synthetic Axle Lubricant

Quantity: 2

(3 for Z06 and Export)

1052358 (992694 In Canada)

Limited-Slip Axle Additive

Quantity: 2

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