

## 8.8 LIMITED SLIP AXLE MOAN/GROAN NOISE DURING LOW SPEED TURNING MANEUVERS

TSB 08-5-10

### FORD:

2005-2007 Mustang

This article supersedes TSB **07-22-08** to update the Part List.

### ISSUE

Some 2005-2007 Mustang GT vehicles equipped with the 8.8 inch limited slip axle may exhibit a moan/groan noise when making tight low speed turns. This may be more noticeable when the axle is at full operating temperature. The noise may also be confused as originating from the brakes or steering system.

### ACTION

Follow the Service Procedure steps to correct the condition.

### SERVICE PROCEDURE

1. First, verify the concern.
  - a. Make sure the axle is at full operating temperature.
  - b. Perform several full lock turns at low speeds in both directions.
  - c. If the noise is verified to be in the rear axle, proceed to Step 2.
  - d. If the concern can not be verified or the noise is not coming from the rear axle assembly, do not continue with this TSB and follow normal diagnostics in the Workshop Manual (WSM).
2. For vehicles built before 10/22/2006, replace the limited slip clutch pack. Install the new limited slip clutch pack kit following the procedures in the Mustang WSM, Section 205-02B (Differential Carrier Removal and Differential Case/Ring Gear Disassembly).

3. Vehicles built after 10/22/2006 were built with the new limited slip clutch pack. For these vehicles, add 1 bottle of Motorcraft® Additive Friction Modifier to the axle. Perform several full lock turns at low speeds in both directions to force the lubricant into the limited slip clutch pack.

### NOTE

DO NOT INSTALL NEW LIMITED SLIP CLUTCH PACKS IN VEHICLES BUILT AFTER 10/22/2006.

PART NUMBER	PART NAME
6L1Z-4947-B XL-3	Clutch Pack Motorcraft® Additive Friction Modifier

**WARRANTY STATUS:** Eligible Under Provisions Of New Vehicle Limited Warranty Coverage  
**IMPORTANT:** Warranty coverage limits/policies are not altered by a TSB. Warranty coverage limits are determined by the identified causal part.

OPERATION	DESCRIPTION	TIME
080510A	2005-2007 Mustang Built After 10/22/2006: Add Friction Modifier, Includes Time For Road Test (Do Not Use With 4205A, 4205A4, 4205A12, 4205A13, 4234A)	1.0 Hr.

**NOTE:** The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford, Lincoln, or Mercury dealership to determine whether the Bulletin applies to your vehicle. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supersede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.

## TSB 08-5-10 (Continued)

080510B      2005-2007 Mustang Built      3.3 Hrs.  
Before 10/22/2006: Install  
The Limited Slip Clutch  
Pack, Includes Time For  
Road Test (Do Not Use  
With 4205A, 4205A4,  
4205A12, 4205A13,  
4234A)

### DEALER CODING

BASIC PART NO.  
4947

CONDITION  
CODE  
D4