

**GROWL/GRINDING NOISE IN 2ND OR 3RD GEAR  
DURING DECELERATION—TR3650 MANUAL  
TRANSMISSION—VEHICLES BUILT BEFORE  
1/15/2005**

**TSB 05-8-8**

**FORD:**

2005 Mustang

**ISSUE**

Some 2005 Mustang vehicles equipped with 4.6L engine and the TR3650 manual transmission built before 1/15/2005, may exhibit an intermittent raspy grinding noise while driving in 2nd and/or 3rd gear during deceleration. The noise may sound like a bearing growl, screech or scraping noise. Noise intensity may be light to medium, and is more likely to occur during the first few minutes of warm-up.

**ACTION**

Order a synchronizer kit and a snap ring kit. Replace the reverse gear and synchronizer on the main shaft, and the associated snap rings. Refer to Workshop Manual Section 308-03B.

**NOTE**

DURING DISASSEMBLY, IF METAL SHAVINGS ARE FOUND ON THE TRANSMISSION MAGNET WHEN REMOVING THE EXTENSION HOUSING DO NOT CONTINUE WITH THIS TSB. THE TRANSMISSION MUST BE REPLACED.

PART NUMBER	PART NAME
2R3Z-7124-CA 4R3Z-7109-AA	Reverse Gear And Synchronizer Snap Rings

**WARRANTY STATUS:** Eligible Under Provisions Of  
New Vehicle Limited  
Warranty Coverage

OPERATION	DESCRIPTION	TIME
050808A	2005 Mustang TR3650 Install Reverse Gear Synchronizer Kit (Do Not Use With 7003A, 7003AZJ, 7003A2)	5.5 Hrs.
050808B	2005 Mustang TR3650 Replace Transmission Includes Time To Diagnose Original Transmission By Removing And Installing Extension Housing To Inspect For Metal Shavings (Do Not Use With 7003A, 7003AZJ, 7003A2)	3.7 Hrs.

**DEALER CODING**

BASIC PART NO.  
7124

CONDITION  
CODE  
42

**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 supercede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.