

**M/T - TR3650 2nd or 3rd Gear Grind/Growl on Decel.**

TSB 05-15-2

08/08/05

GROWL/GRINDING NOISE IN 2ND OR 3RD [GEAR](#)  
DURING DECELERATION - TR3650 MANUAL  
TRANSMISSION - VEHICLES BUILT BEFORE  
2/21/2005

FORD:  
2005 Mustang

This article supersedes TSB 05-8-8 to update the vehicle build date information, the labor operation, and the note at the end of the article.

**ISSUE**

Some 2005 Mustang vehicles equipped with 4.6L engine and the TR3650 manual transmission built before 2/21/2005, 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 METAL SHAVINGS, PARTICLES OR FLAKES FOUND ON THE TRANSMISSION MAGNET ARE NORMAL.**

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

**Parts Block**

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

| OPERATION | DESCRIPTION   | TIME     |
|-----------|---|----------|
| 051502A   | 2005 Mustang TR3650:<br>Install Reverse <a href="#">Gear</a><br>Synchronizer Kit (Do Not<br>Use With 7003A, 7003AZJ,<br>7003A2) | 5.5 Hrs. |

**DEALER CODING**

| BASIC PART NO. | CONDITION CODE |
|----------------|----------------|
| 7124           | 42             |