

**4.0L WITH MANUAL TRANSMISSION—4TH GEAR  
RATTLE/KNOCK NOISE ON ACCELERATION—  
1800-2200 RPM APPROXIMATELY 45 MPH (72 KM/H)**

**TSB 08-8-5**

**FORD:**  
2005-2007 Mustang

**ISSUE**

Some 2005-2007 Mustang vehicles, equipped with a 4.0L engine and manual transmission, may exhibit a rattle or knocking noise on light acceleration between 1800-2200 RPM around 45 MPH (72 Km/h). It is most evident in 4th gear after the engine/transmission has reached operating temperatures. It has been described as a helicopter noise, similar to when you put a playing card in bicycle spokes. This noise has no affect on vehicle performance or durability.

**ACTION**

Follow the Service Procedure steps to correct the condition.

**NOTE**

THIS NOISE IS DUE TO A SYSTEM RESONANCE, COMMON TO SOME 4.0L/MANUAL TRANSMISSION EQUIPPED VEHICLES, AND HAS NO AFFECT ON CLUTCH/TRANSMISSION LIFE/DURABILITY. PERFORMING THIS PROCEDURE WILL GREATLY REDUCE THE NOISE LEVEL.

**SERVICE PROCEDURE**

1. Follow TSB 08-3-4 to eliminate any noise/vibration related to exhaust system alignment. If rattle noise still persists, then proceed to Step 2.

**NOTE**

THIS PROCEDURE WILL NOT FIX THE CONCERN IF THE CUSTOMER COMPLAINT IS:

- ABOVE 55 MPH
- ON COAST DOWN
- IN 1ST OR 5TH GEAR
- AFFECTED BY PRESSURE ON THE SHIFTER
- A GRINDING NOISE

2. The noise specific to this procedure is most evident after the engine/transmission has reached operating temperatures. It is due to a resonance. The transfer path for the noise is through the gear shift lever area and transmission mount. If the noise can be replicated in 4th gear on light acceleration between 1800-2200 RPM, around 45 MPH (72 Km/h), then replace the flywheel with the revised flywheel listed in the Parts List. To be compatible, the clutch may need to be replaced depending on build date. See Steps 3 and 4.

**NOTE**

THIS PROCEDURE HAS NO AFFECT ON CLUTCH/TRANSMISSION LIFE/DURABILITY.

3. If the vehicle was built on or after 12/4/2006, then replace the flywheel per Workshop Manual (WSM), Section 303-01A. If not, then go to Step 4.
4. If the vehicle was built before 12/4/2006, then replace the flywheel, clutch disc, and clutch pressure plate per WSM, Sections 303-01A and 308-01.

PART NUMBER	PART NAME
8R3Z-6375-A	Flywheel
7R3Z-7550-B	Clutch Disc
7R3Z-7563-B	Clutch Pressure Plate

**OTHER APPLICABLE ARTICLES:** 08-3-4

**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.

**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.

## TSB 08-8-5 (Continued)

<b>OPERATION</b>	<b>DESCRIPTION</b>	<b>TIME</b>
080805A	2007 Mustang 4.0L Manual Transmission Built On Or After 12/4/6: Replace Flywheel, Includes Time To Remove And Install Transmission (Do Not Use With 7003A, 7003A3, 7003A6)	2.7 Hrs.
080805B	2005-2007 Mustang 4.0L Manual Transmission Built Before 12/4/6: Replace Flywheel, Clutch Disc, Clutch Pressure Plate And Pedal Assembly, Includes Time To Remove And Install Transmission (Do Not Use With 7003A, 7003A3, 7003A6, 2455B)	3.2 Hrs.

### DEALER CODING

BASIC PART NO.  
6375

CONDITION  
CODE  
07