

FORD:
2007-2009 Mustang

ISSUE

Some 2007-2009 Mustang Shelby GT500 vehicles may exhibit the following clutch/transmission symptoms: hard to disengage or engage 1st and reverse, hard to shift any gear, gear grinding during shifts any gear, vehicle creeps with trans in gear and clutch pedal fully depressed without brake pedal application, clutch slippage in gear with clutch pedal released, hiss noise with clutch pedal fully depressed (hiss on clutch pedal release is normal for GT500 clutch material). These symptoms may be due to flywheel distortion caused by excessive heat build-up during unique traffic conditions (example: severe stop/go urban driving). The distortion of the flywheel may prevent complete disengagement of the clutch. The system is designed for performance driving conditions.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

NOTE

THIS ARTICLE APPLIES TO VEHICLES WITH PRIOR REPAIRS, AS WELL AS THOSE WITH MINOR MODIFICATIONS, EXHIBITING ABOVE SYMPTOMS.

NOTE

THE GT500 CLUTCH SHOULD BE DIAGNOSED/REMOVED/REPLACED AS A COMPLETE ASSEMBLY ONLY. DO NOT TAKE CLUTCH ASSEMBLY APART.

1. Remove, drain, disassemble and clean the transmission per Workshop Manual (WSM), Section 308-03C.
2. Remove and replace input shaft and all synchronizer assemblies per WSM, Section 308-03C.

3. Assemble the transmission per WSM, Section 308-03C.
4. Remove clutch disc and plate assembly and pilot bearing per WSM, Section 308-01.
5. Remove and replace flywheel per WSM, Section 303-01C. Discard old bolts and use bolts provided in flywheel kit.
6. Install new pilot bearing per WSM, Section 308-01.
7. Install new clutch disc and plate assembly per online WSM, Section 308-01 (vehicles with solid design flywheel). Discard old bolts and use bolts provided in clutch kit. Tighten bolts to 89 lb-in (10 N•m) in a star pattern. Tighten an additional 90 degrees in a star pattern.
8. Apply a small amount of Motorcraft® PTFE Lubricant to the clutch hub splines per WSM, Section 308-01.
9. Install the transmission per WSM, Section 308-03C.

PART NUMBER	PART NAME
7R3Z-6375-B	Flywheel Kit
7R3Z-7L596-A	Clutch Kit
7R3Z-7C391-A	Trans Kit
XG-8	Motorcraft® PTFE Lubricant
XT-5-QM	Motorcraft® MERCON V-Transmission Fluid
PM-1-C	Motorcraft® High Performance DOT 3 Motor Vehicle Brake Fluid
XG-1-C	Motorcraft® Premium Long-Life Grease
TA-30	Motorcraft® Silicone Gasket and Sealant
TA-25	Motorcraft® Threadlock and Sealer
F6ZZ-7600-A	Pilot Bearing
1R3Z-7052-AA	Transmission Input Shaft Oil Seal

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 08-16-4 (Continued)

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
081604A	2007-2009 Mustang GT500: Replace The Input Shaft, Synchronizer Assemblies, Clutch Disc And Plate Assembly, Pilot Bearing and, Flywheel Includes Time To Remove And Install Transmission (Do Not Use With 7003A, 7003A2, 7003A3, 7003A6, 1007D7, 5212B)	7.4 Hrs.

DEALER CODING

BASIC PART NO.	CONDITION CODE
6375	69