

2004 Ford Mustang V8-4.6L SOHC VIN X

Vehicle > Technical Service Bulletins

M/T - TR3650 1-2 GEAR CLASH/NO 2ND GEAR

TSB 04-26-13

12/31/04

1-2 SHIFT CLASH, GRIND OR HARD TO SHIFT- TR3650 5 SPEED MANUAL TRANSMISSION

FORD:

2004 Mustang

ISSUE

Some 2004 Mustang vehicles, equipped with the TR3650 5 speed manual transmission, may exhibit a clash or grind noise when shifting from 1st to 2nd gear. There may also be a loss of 2nd gear.

ACTION

Order and install a synchronizer kit. The kit includes a 2nd main shaft gear, 1-2 synchronizer assembly, 1-2 shift fork and rail, synchro rings and cones and a new transmission fluid and fill label. Refer to the following Service Procedure.

SERVICE PROCEDURE

NOTE

ALL COMPONENTS IN THE KIT ARE REVISED AND MUST BE REPLACED. DO NOT INTERCHANGE.

NOTE

REFER TO THE WORKSHOP MANUAL SECTION 308-03 TO AID IN THE FOLLOWING PROCEDURE.

1. Remove the transmission from the vehicle.
2. Disassemble the transmission assembly.
3. Remove and replace ALL parts that are included in the kit.

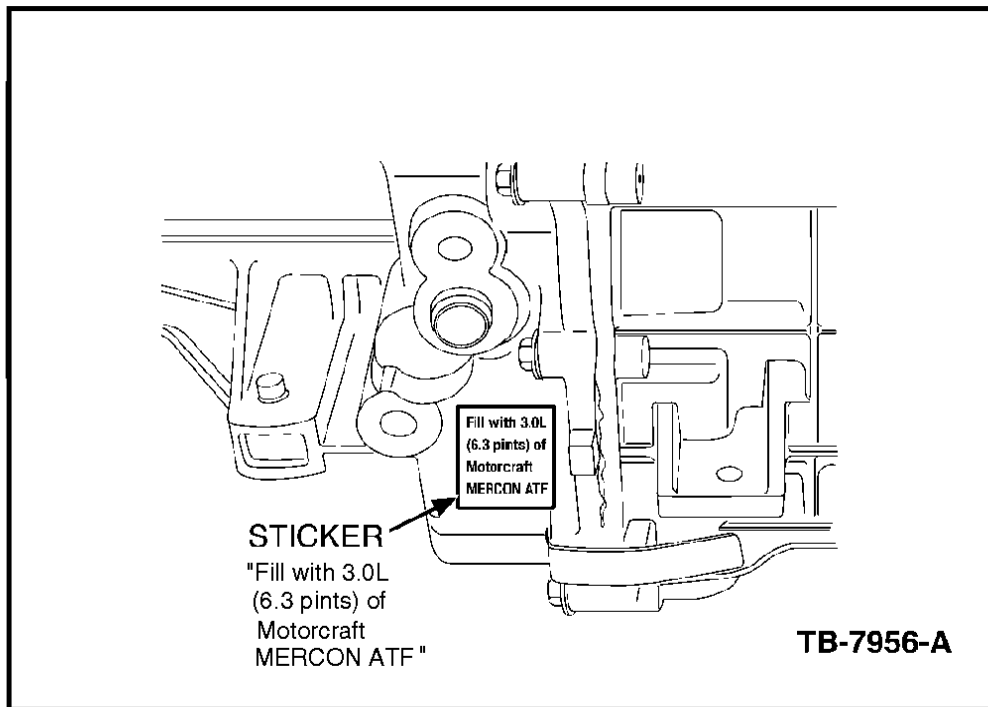


Figure 1

4. Clean oil from area 1" (26 mm) below the transmission fill plug and install the oil fill sticker included in the kit (Figure 1).
5. Reinstall the transmission.
6. Fill the transmission with 6.3 pints (3.0L) of Motorcraft Mercon(R) Multi-Purpose ATF (XT-2-QDX). The new full fill level is approximately 0.75" (19 mm) below the fill hole.

PART NUMBER	PART NAME
3R3Z-7124-BC XT-2-QDX	Synchronizer Kit Motorcraft Mercon® Multi-Purpose ATF

Parts Block

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

OPERATION DESCRIPTION TIME 042613A 2004 Mustang: Install 5.6 Hrs. Components Included In Kit (Includes Time To Remove And Install Transmission And Final Road Test)

DEALER CODING**CONDITION BASIC PART NO. CODE 7124 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.

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