

TR3650 MANUAL TRANSMISSION—JUMPS OUT OF GEAR 2ND AND/OR 3RD—CLASH NOISE AND/OR RASPY FEEL ON GEAR ENGAGEMENT

TSB 04-15-6

FORD:

2001-2003 Mustang

ISSUE

Some 2001-2003 Mustang vehicles, equipped with TR3650 5 speed manual transmission may exhibit a clash noise and/or a raspy (rough) feel on gear engagement during 1-2 or 2-3 shifts. The transmission may also exhibit a jump-out from 2nd and/or 3rd gear. The condition may be more pronounced when the transmission is colder than 40° F (5° C).

ACTION

To service, install a Synchro Kit. The kit includes 2nd main shaft gear, 1-2 synchronizer assembly, 3rd main shaft gear, 3-4 synchronizer assembly, the 1-2 and 3-4 shift fork and rail assemblies, blocking rings and an oil fill level sticker. Add new transmission fluid and fill to the revised lower level. Refer to the following Service Procedure.

SERVICE PROCEDURE

NOTE

ALL COMPONENTS IN THE KIT ARE REVISED AND MUST BE REPLACED.

NOTE

BLOCKING RINGS MAY APPEAR DIFFERENT THAN THOSE BEING REMOVED FROM THE TRANSMISSION.

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.
3. Install all of the revised components included in kit 3R3Z-7124-AC.

4. Clean oil from area 26 mm (1") below the transmission fill plug (Figure 1) and install the oil fill sticker included in the kit.

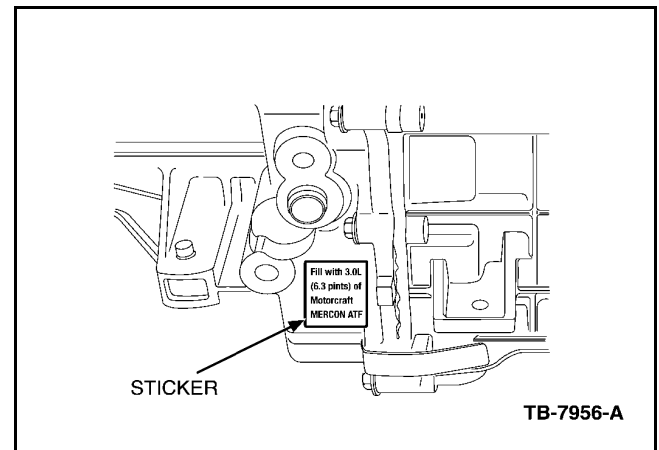


Figure 1 - Article 04-15-6

NOTE

THIS TSB DOES NOT AUTHORIZE REPLACEMENT OF THE CLUTCH ASSEMBLY AND RELEASE BEARING FOR NORMAL WEAR. IF SUFFICIENTLY WORN, THE CUSTOMER MAY WISH TO HAVE THEM REPLACED AT THEIR EXPENSE. SOME DISCOLORATION AND LIGHT SCRATCHES ON THE FLYWHEEL OR PRESSURE PLATE ARE CONSIDERED NORMAL AND RESURFACING IS NOT REQUIRED.

5. Reinstall the transmission.
6. Fill the transmission with 3.0 liters (6.3 pints) of Motorcraft Mercon ATF (XT-2-QDX). The full fill level is approximately 19 mm (0.75") below the fill hole.

NOTE

SHIFT QUALITY MAY IMPROVE FURTHER WITH BREAK IN, APPROXIMATELY 644 KILOMETERS (400 MILES) OF DRIVING.

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.

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PART NUMBER	PART NAME
3R3Z-7124-AC XT-2-QDX	Synchro Kit Mercon ATF

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

OPERATION	DESCRIPTION	TIME
041506A	Install Components Included In Kit (Includes Time To Remove And Install Transmission And Final Road Test)	5.6 Hrs.

DEALER CODING

BASIC PART NO.	CONDITION CODE
7124	42