



TECHNICAL SERVICE BULLETIN

5.0L - MT82 Manual Transmission - Inability To Shift Into 3rd And 4th Gear

22-2372

04 January
2023

This bulletin supersedes 18-2351.

Model:

Ford 2018 Mustang	Engine: 5.0L Transmission/Transaxle: 6 MT82
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Summary

This article supersedes TSB 18-2351 to update the Parts List.

Issue: Some 2018 Mustang vehicles equipped with a 5.0L engine and an MT82 manual transmission may exhibit an inability to engage 3rd and 4th gear. This may be due to a broken 3-4 shift fork. To correct the condition, follow the Service Procedure to replace the 3rd/4th shift fork, the 1st/2nd shift fork, the countershaft 3rd gear, and the 3rd/4th gear synchronizer hub and sleeve.

Action: Follow the Service Procedure to correct the condition on vehicles that meet all of the following conditions:

- 2018 Mustang
- 5.0L engine
- MT82 manual transmission
- Inability to engage 3rd and 4th gear

Parts

Service Part Number	Quantity	Description	Unit of Issue	Piece Quantity
JR3Z-7048-A	1	Input Shaft Seal	1	1
JR3Z-7230-B	1	3rd/4th Shift Fork	1	1
JR3Z-7052-A	1	Output Shaft Seal	1	1
BR3Z-7A010-A	1	Countershaft Bolt Cover	1	1
JR3Z-7230-F	1	1st/2nd Shift Fork	1	1
JR3Z-7101-A	1	Countershaft 3rd Gear	1	1
JR3Z-7124-D	1	3rd/4th Gear Synchronizer Hub And Sleeve	1	1
BR3Z-5B266-A	1	Gasket	1	1
FR3Z-4B496-B	3	Bolt And Washer, M10 x 1.5 MM	1	3
W719298-S439	1	Bolt M12 X 56 MM	4	3
W717822-S439	1	Bolt M10 x 19 MM	4	2
W705443-S900	1	Nut M10 x 1.5MM	4	2
TA-25-B	As Needed	Motorcraft® Threadlock and Sealer		
TA-16	As Needed	Motorcraft® Gasket Maker		
TA-26	As Needed	Motorcraft® Threadlock 262		
XG-11	As Needed	Motorcraft® High Temperature 4x4 Front Axle and Wheel Bearing Grease		

XL-2	As Needed	Motorcraft® High Temperature Nickel Anti-Seize Lubricant		
XL-1	As Needed	Motorcraft® Penetrating and Lock Lubricant		
XL-18	As Needed	Motorcraft® MT82 Transmission Additive XL-18a		
XT-11-QDC	As Needed	Motorcraft® Dual Clutch Transmission Fluid		

Quantity refers to the amount of the service part number required to repair the vehicle.

Unit of Issue refers to the number of individual pieces included in a service part number package.

Piece Quantity refers to the total number of individual pieces required to repair the vehicle.

As Needed indicates the amount of the part may vary and/or is not a whole number. Parts can be billed out as non-whole numbers, including less than 1.

Warranty Status: Eligible under provisions of New Vehicle Limited Warranty (NVLW)/Service Part Warranty (SPW)/Special Service Part (SSP)/Extended Service Plan (ESP) coverage. Limits/policies/prior approvals are not altered by a TSB. NVLW/SPW/SSP/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

Labor Times

Description	Operation No.	Time
2018 Mustang Coupe 5.0L With Manual Transmission: Replace Components Following The Service Procedure Includes Time To Remove And Install Transmission (Do Not Use With Any Other Labor Operations)	222372A	6.8 Hrs.
2018 Mustang Convertible 5.0L With Manual Transmission: Replace Components Following The Service Procedure Includes Time To Remove And Install Transmission (Do Not Use With Any Other Labor Operations)	222372B	7.4 Hrs.

Repair/Claim Coding

Causal Part:	7230
Condition Code:	01

Service Procedure

- Does the shifter move into the 3rd and 4th gear positions when attempting to engage these gears but the gears do not actually engage in the transmission?
 - Yes - proceed to Step 2.
 - No - this article does not apply. Refer to Workshop Manual (WSM), Section 308-03A for normal diagnostics.
- Remove the transmission from the vehicle. Refer to WSM, Section 308-03A.
- Disassemble the transmission. Replace the 3rd/4th shift fork, the 1st/2nd shift fork, the countershaft 3rd gear, and the 3rd/4th gear synchronizer hub and sleeve. Refer to WSM, Section 308-03A.
- Reassemble the transmission and reinstall it into the vehicle. Refer to WSM, Section 308-03A.

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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 or Lincoln 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.