

5.0L - Manual Transmission - Inability To Shift Into Third And Fourth Gear

This bulletin supersedes 18-2175. Reason for update: New Part/Procedure For Same Condition

Model:

Ford 2018 Mustang

Summary

This article supersedes TSB 18-2175 to update the Service Procedure and Parts List.

Issue: Some 2018 Mustang vehicles equipped with a 5.0L engine and a manual transmission may exhibit an inability to engage third and fourth gear. This may be due to a broken 3-4 shift fork.

Action: Follow the Service Procedure steps to correct the condition.

Parts

Part Number	Description	Quantity
JR3Z-7230-B	3rd/4th Shift Fork	1
JR3Z-7230-E	1st/2nd Shift Fork	1
JR3Z-7101-A	Countershaft 3rd Gear	1
JR3Z-7124-D	3rd/4th Gear Synchronizer Hub and Sleeve	1
JR3Z-7048-A	Input Shaft Seal	1
JR3Z-7052-A	Output Shaft Seal	1
BR3Z-7A010-A	Countershaft Bolt Cover	1
BR3Z-5B266-A	Gasket	1
FR3Z-4B496-B	Bolt And Washer, M10 x 1.5 mm	3
W719298-S439	Bolt M12 X 56 mm	3
W717822-S439	Bolt M10 x 19 mm	2
W705443-S900	Nut M10 x 1.5 mm	2
TA-25-B	Motorcraft® Threadlock and Sealer	1
TA-16	Motorcraft® Gasket Maker	1
TA-26	Motorcraft® Threadlock 262	1
XG-11	Motorcraft® High Temperature 4x4 Front Axle and Wheel Bearing Grease	1
XL-2	Motorcraft® High Temperature Nickel Anti-Seize Lubricant	1
XL1	Motorcraft® Penetrating and Lock Lubricant	1
XT-11-QDC	Motorcraft® Dual Clutch Transmission Fluid	3

Warranty Status: Eligible Under Provisions Of New Vehicle Limited Warranty Coverage
Warranty/ESP coverage limits/policies/prior approvals are not altered by a TSB. Warranty/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)	182351A	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)	182351B	7.4 Hrs.

Repair/Claim Coding

Causal Part:	7230
Condition Code:	01

Tool List

Drive	Tool Name
1/4"	Ratchet
1/4"	Torque Wrench
1/4"	10 mm Socket
1/4"	8 mm Deep Socket
1/4"	Torx® T20
3/8"	Power Tool
3/8"	Torque Wrench
3/8"	Ratchet
3/8"	Air Ratchet
3/8"	30" Extension
3/8"	10 mm Socket
3/8"	15 mm Socket
3/8"	10 mm Deep Socket
3/8"	13 mm Deep Socket
3/8"	10 mm Swivel Socket
3/8"	13 mm Swivel Socket
3/8"	Torx® T30
3/8"	Torx® T40
3/8"	7 mm Allen Key
1/2"	Power Tool
1/2"	Torque Wrench
1/2"	Breaker Bar
1/2"	15 mm Socket
1/2"	18 mm Socket
1/2"	30 mm Deep Socket
	21 mm Open Ended Wrench
	Trim Tool
	Paint Marker
	Pry Bar
	Wire Brush
	Pocket Screwdriver
	Hammer
	Center Punch
	Drill
	¼" Drill Bit
	Snap Ring Pliers
	Feeler Gauge
	GENERAL EQUIPMENT:
	Exhaust Stand
	Block Of Wood
	Drain Pan
	Transmission Jack
	Slide Hammer/Dent Puller
	3-Jaw Puller
	2-Jaw Puller
	Hydraulic Press
	Bearing Separator
	Heat Gun
	Shop Rag
	Fluid Suction Device
	Vacuum Pump Kit
	ESSENTIAL SPECIAL SERVICE TOOLS:
	303-476
	307-003
	308-375
	308-938
	308-810
	205-153
	308-809
	308-130
	308-808
	308-811
	308-811
	308-806
	416-D002

Service Procedure

1. Does the shifter move into the third and fourth gear positions when attempting to engage these gears but the gears do not actually engage in the transmission?

- (1). Yes - proceed to Step 2.
- (2). No - this article does not apply. Refer to Workshop Manual (WSM), Section 308-03A for normal diagnostics.

2. Remove the transmission from the vehicle. Refer to WSM, Section 308-03A.

3. 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.

4. Reassemble the transmission and reinstall it into the vehicle. Refer to WSM, Section 308-03A.