

2018 Ford Mustang V8-5.0L

Vehicle > Technical Service Bulletins

MANUAL TRANSMISSION - INABILITY TO SHIFT INTO THIRD AND FOURTH GEAR

TECHNICAL SERVICE BULLETIN
 5.0L - MANUAL TRANSMISSION -
 INABILITY TO SHIFT INTO THIRD AND
 FOURTH GEAR

18-2351

07 January 2018

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 |

| Drive | Tool Name |
|-------|----------------------------------|
| 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.

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