TECHNICAL SERVICE BULLETIN
Poor Shift Quality With Illuminated Powertrain Malfunction (Wrench) Indicator And DTCs P2704 And P0771

26-2375
11 August 2026

This bulletin supersedes 26-2050. Reason for update: Increase the labor time allowances for Labor Operations A and B

Model:

Ford 2022-2024 F-550/F-600	Built on or before 15-May-2024 Engine: 6.7 Diesel Transmission: 10R140 transmission

Markets: North American markets only

Summary

NOTE: This bulletin has been updated, refer to the change log at the bottom for details.

Issue: Some of the vehicles listed in the Model statement above may exhibit all of the following conditions:

- Poor shift quality
- Illuminated powertrain malfunction (wrench) indicator with DTCs P2704 and P0771 stored in the PCM/ TCM.

This may be due to a calibration in the TCM and/or wear between the input shaft and the E clutch hub causing the input shaft O-rings to become damaged resulting in an open E clutch circuit.

Action: For vehicles that meet all of the criteria in the Issue and Model statements, follow the Service Procedure to reprogram the PCM/ TCM and/or replace the E clutch hub and input shaft O-rings.

Parts

Service Part Number	Claim Quantity	Description	Note
LC3Z-7H223-AA	21	Front Support Seals	
LC3Z-7B031-B	1	Front Support To Case Seal	
LC3Z-7B031-A	1	Front Support Cover Seal	
LC3Z-7A248-A	1	Torque Converter Hub Seal	
LC3Z-7G091-D	2	Input Shaft Torque Converter (F0) Teflon Seals	
LC3Z-7G091-C	3	Input Shaft Seal (F9)	
LC3Z-7G091-B	7	Input Shaft Front (F2) Teflon Seals	
LC3Z-7B399-A	5	Sun Gear Number 3 Shaft (F7) Seals	
LC3Z-7G091-A	5	Input Shaft (F8) Seals	
LC3Z-7G242-C	2	Input Shaft Small O-Ring Seal	
LC3Z-7G242-D	1	Input Shaft Large O-Ring Seal	
LC3Z-7A262-F	1	E Clutch Piston	

LC3Z-7F227-A	1	E Clutch Balance Dam Outer Seal	
LC3Z-7G242-A	1	E Clutch Piston And Balance Dam Inner Seal	
LC3Z-7G242-B	1	E Clutch Piston And Balance Dam Inner Seal	
PC3Z-7P211-C	1	E Clutch Hub	
PC3Z-7482-A	1	E Clutch Hub Washer	
W715131-S442	1	Transmission Fluid Cooler Tube Bolt	
W714824-S442	2	Selector Lever Cable Bracket Bolts	
W715618-S437	6	Torque Converter Nuts	
W718005-S900	2	Exhaust Lower Downpipe To Catalyst And Particulate Filter Assembly Bolts	
W710356-S439	2	Crossmember Bracket Bolts	
W520515-S440	2	Crossmember Bracket Nuts	
W709771-S440	2	Transmission Mount Insulator Nuts	
W721321-S439	4	Transmission Support Insulator Bracket Bolts	RWD Only
N605804-S439	4	Transmission Support Insulator Bracket Bolts	2022 F Super-Duty RWD Only
391558-S102	2	Transmission Support Insulator Bolts	
W721052-S439	11	Transfer Case to Transmission Bolts	2022 F Super-Duty 4 x 4 Only
W721321-S439	11	Transfer Case To Transmission Bolts	4 x 4 Only
E4HZ-4A254-B	2	Front Driveshaft Pinion Flange Strap	2022 F Super-Duty 4 x 4 Only
F81Z-4N272-AA	4	Front Driveshaft Pinion Flange Bolts	2022 F Super-Duty 4 x 4 Only
N811880-S100	4	Front Driveshaft CV Joint To Transfer Case Flange	2022 F Super-Duty 4 x 4 Only
XT-10-QLVC	As Needed	Motorcraft Mercon LV Automatic Transmission Fluid (Transfer Case Fluid)	4 x 4 Only, All Markets Except Canada
CXT-10-LV6	As Needed	Motorcraft Mercon LV Automatic Transmission Fluid (Transfer Case Fluid)	4 x 4 Only, Canada Only
XT-12-QULV	As Needed	Motorcraft Mercon ULV Automatic Transmission Fluid	
XL-5-A	As Needed	Motorcraft Multi-Purpose Grease Spray	
Obtain Locally	As Needed	Loctite 243 Threadlocker	
PM-4-A	As Needed	Motorcraft Brake Parts Cleaner - Volatile Organic Compound Compliant (All Markets Except Canada)	
PM-4-B	As Needed	Motorcraft Metal Brake Parts Cleaner (Not Compliant With Low Volatile Organic Compound Requirements) (All Markets Except Canada)	

CPM-4-A	As Needed	Motorcraft Brake Parts Cleaner - Volatile Organic Compound Compliant (Canada Only)	

Parts - Parts To Inspect And Replace Only If Necessary

Service Part Number	Claim Quantity	Description
LC3Z-7B164-C	Only If Necessary (Up To 4)	E Clutch Friction Plates
LC3Z-7B442-E	Only If Necessary (Up To 4)	E Clutch Steel Plates
LC3Z-7B066-B	Only If Necessary (Up To 1)	E Clutch Select Fit Pressure Plate
LC3Z-7B066-C	Only If Necessary (Up To 1)	E Clutch Select Fit Pressure Plate
LC3Z-7B066-D	Only If Necessary (Up To 1)	E Clutch Select Fit Pressure Plate
LC3Z-7B066-E	Only If Necessary (Up To 1)	E Clutch Select Fit Pressure Plate
PC3Z-7F396-A	Only If Necessary (Up To 1)	Fluid Pan Gasket
LC3Z-7N265-A	Only If Necessary (Up To 1)	Main Control Manifold Seal
LC3Z-7G186-A	Only If Necessary (Up To 1)	Transmission Fluid Filter
LC3Z-7N265-B	Only If Necessary (Up To 1)	Fluid Pump Gasket
F2AZ-6397-A	Only If Necessary (Up To 2)	Dowel Pins
LC3Z-7J227-A	Only If Necessary (Up To 4)	Transmission Fluid Cooler O-Ring Seals
LC3Z-7A527-A	Only If Necessary (Up To 1)	Selective Shim (T3)
LC3Z-7A527-B	Only If Necessary (Up To 1)	Selective Shim (T3)
LC3Z-7A527-C	Only If Necessary (Up To 1)	Selective Shim (T3)
LC3Z-7A527-D	Only If Necessary (Up To 1)	Selective Shim (T3)
LC3Z-7A527-E	Only If Necessary (Up To 1)	Selective Shim (T3)
LC3Z-7A527-F	Only If Necessary (Up To 1)	Selective Shim (T3)
LC3Z-7A527-G	Only If Necessary (Up To 1)	Selective Shim (T3)
LC3Z-7A527-H	Only If Necessary (Up To 1)	Selective Shim (T3)
LC3Z-7A527-J	Only If Necessary (Up To 1)	Selective Shim (T3)
LC3Z-7A527-K	Only If Necessary (Up To 1)	Selective Shim (T3)
LC3Z-7A527-L	Only If Necessary (Up To 1)	Selective Shim (T3)
LC3Z-7A527-M	Only If Necessary (Up To 1)	Selective Shim (T3)

Parts - Rear Driveshaft Bolts And Straps - Not All Vehicles Will Use All Of The Parts Listed

Service Part Number	Claim Quantity	Description
F1HZ-4N272-A	4 Pieces Required Per Affected Joint	U-Joint Strap Style Bolts - Refer To The Parts Catalog For The VIN Specific Application
E4HZ-4A254-A	2 Pieces Required Per Affected Joint	U-Joint Straps - Refer To The Parts Catalog For The VIN Specific Application
N811880-S100	4 Pieces Required Per Affected Joint	U-Joint Flange Style Bolts - Refer To The Parts Catalog For The VIN Specific Application
BC3Z-4N272-A	2 Pieces Required Per Affected Joint	Driveshaft Center Bearing Bolts - Refer To The Parts Catalog For The VIN Specific Application

NOTE: All other parts instructed by the WSM to inspect and replace as necessary should be claimed outside of this article.

Claim Quantity refers to the total number of individual pieces required to repair the vehicle. This may differ from the number of service part number packages due to the unit of issue (UOI).

As Needed indicates the part is necessary but 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.

Only If Necessary indicates the part is not mandatory. Refer to the Service Procedure to determine the inspection/inclusion criteria.

Warranty Status: Warranty coverage limits and policies are not altered by a TSB. Warranty coverage limits are determined by the identified causal part.

Labor Times

Description	Operation No.	Time
2022-2024 F-Super Duty F550/F600 4X2 6.7L 10R140: Retrieve DTCs, Verify Mileage and Replace The E Clutch Hub And Input Shaft O-Rings Following The Service Procedure	262375A	14.9 Hrs
2022-2024 F-Super Duty F550/F600 4X4 6.7L 10R140: Retrieve DTCs, Verify Mileage and Replace The E Clutch Hub And Input Shaft O-Rings Following The Service Procedure	262375B	15.3 Hrs
2023-2024 F-Super Duty F550/F600 4X2/4X4 6.7L 10R140: Reprogram The PCM/TCM If Required (Can Be Claimed With Operation A Or B)	262375C	0.4 Hrs

Repair/Claim Coding

Causal Part:	7P211
Condition Code:	30

Service Instruction

1. Is the vehicle a 2022 F-550 or F-600?

(1). Yes - proceed to Step 3.

(2). No - proceed to Step 2.

2. Reprogram the PCM/ TCM using the latest software level of the FDRS scan tool.

3. Remove the transmission. Refer to WSM, Section 307-01.

4. Disassemble the transmission. Perform only the necessary steps to remove the E clutch assembly from the transmission case. Refer to WSM, Section 307-01 > Overhaul.

(1). It is only necessary to remove the following:

- Torque converter
- Main control assembly
- All 4 speed sensors (intermediate speed sensor A [ISSA], intermediate speed sensor B [ISSB], TSS, and OSS)
- Fluid pump
- Front support
- Clutch and planetary assembly

5. Disassemble the clutch and planetary assembly. Perform only the necessary steps to remove the E clutch assembly from the input shaft. Refer to WSM, Section 307-01 > Overhaul.

6. Disassemble the E clutch. Discard the E clutch hub. Refer to WSM, Section 307-01 > Overhaul, Steps 170 to 181.

7. Reassemble the E clutch into the new E clutch hub. Refer to WSM, Section 307-01 > Overhaul, Steps 182 to 189.

8. Perform the E clutch clearance measurement. Refer to WSM, Section 307-01 > Overhaul.

CAUTION: The new E clutch hub washer must be installed.

9. To reassemble the clutch and planetary assembly, reverse the removal procedure. Refer to WSM, Section 307-01 > Overhaul.

10. Perform the T3 thrust bearing measurement to set transmission front end clearance. Refer to WSM, Section 307-01 > Overhaul.

11. Reassemble the transmission. Refer to WSM, Section 307-01 > Overhaul.

12. Install the transmission. Refer to WSM, Section 307-01.

13. Perform an adaptive learning drive cycle. Refer to WSM, Section 307-01.

NOTE: Advise the customer that this vehicle is equipped with an adaptive transmission shift strategy which allows the vehicle's computer to learn the transmission's unique parameters and improve shift quality. When the adaptive strategy is reset, the computer will begin a relearning process. This relearning process may result in firmer than normal upshifts and downshifts for several days.

Change Log

Bulletin version	Version 2
Change log	Published 11-Aug-2026
	Reissued 12-Oct-2026 - Added parts LC3Z-7B031-A, CPM-4- A, PM-4-A, PM-4-B, changed the claim quantity of LC3Z-7B399-A from 4 to 5 and LC3Z-7H223-AA from 16 to 21.

© 2026 Ford Motor Company

All rights reserved.

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.