



## 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:

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

**Markets:** North American markets only

**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       | 16             | Front Support Seals                            |      |
| LC3Z-7B031-B        | 1              | Front Support To Case 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        | 4              | 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                                                 |                                       |

#### 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.**