



TECHNICAL SERVICE BULLETIN

Illuminated MIL With Intermittent No Reverse Or Harsh Reverse

25-2567

07 January
2026

This bulletin supersedes 25-2127. Reason for update: update the Service Procedure and the Parts list.

Model:

| | |
|----------------------------|--------------------|
| Ford 2023-2024 Maverick | Transmission: 8F35 |
| 2023-2024 Bronco Sport | Transmission: 8F35 |

Markets: North American markets only

Issue: Some of the vehicles listed in the Model statement above may exhibit at least one of the following:

- Intermittent or constant no R engagement
- Illuminated MIL with DTC P0767:00 stored in the PCM

In addition to the required conditions, the vehicle may also exhibit a harsh reverse engagement and/or DTCs P0766:00, and/or P2703:00 stored in the PCM. This may be due to an internal mechanical concern with the SOWC.

Action: For vehicles that meet some of the criteria in the Issue and Model statements, follow the Service Procedure to replace the SOWC.

Parts

| Service Part Number | Claim Quantity | Package Order Quantity | Number in Package | Description |
|---------------------|--------------------------------|--------------------------------|-------------------|--|
| JM5Z-7P030-C | 1 | 1 | 1 | Selectable One Way Clutch |
| JM5Z-7N265-E | 2 | 2 | 1 | Small Clutch Feed Seal |
| JM5Z-7N265-G | 3 | 3 | 1 | Large Clutch Feed Seal |
| JM5Z-7N142-A | 1 | 1 | 1 | Snubber O-ring Seal - Back |
| JM5Z-7N142-D | 1 | 1 | 1 | Snubber O-ring Seal - Front |
| JM5Z-1S177-A | 2WD Requires 2, AWD Requires 1 | 2WD Requires 2, AWD Requires 1 | 1 | Axle Seal |
| JM5Z-7A248-E | 1 | 1 | 1 | Converter Hub Seal |
| 7Z490 | 1 | 1 | 1 | Separator Plate Gasket - Lower - Refer To The Parts Catalog For The VIN Specific Application |
| 7Z490 | 1 | 1 | 1 | Separator Plate Gasket - Upper - Refer To The Parts Catalog For The VIN Specific Application |
| W718843-S439 | 1 | 1 | 4 | Steering Shaft Bolt |
| W716603-S442 | 4 | 1 | 4 | Front Cross-member Bolts (Maverick Only) |

| | | | | |
|---------------|---|---|---|---|
| W500727-S439 | 3 | 1 | 4 | Rear Lower Left Side Frame Bolt (75mm) |
| W500725-S439 | 3 | 1 | 4 | Rear Lower Right Side Frame Bolt (65mm) |
| W721130-S439 | 4 | 1 | 4 | Front Lower Frame Bolt |
| W520203-S440 | 2 | 2 | 1 | Tie Rod Nut |
| W719924-S439 | 2 | 1 | 4 | Ball Joint Bolt (Bronco Sport) |
| W520515-S442 | 2 | 1 | 4 | Ball Joint Nut |
| W500566-S439 | 1 | 1 | 4 | Roll Restrictor Bolt |
| W713199-S442 | 4 | 1 | 4 | Frame Bracket Rear Bolt |
| W720388-S439 | 2 | 1 | 4 | Subframe Bolt Rear |
| W719192-S439 | 2 | 1 | 4 | Subframe Upper Mounting Bolt |
| JX6Z-3D677-C | 1 | 1 | 1 | Steering Shaft Seal |
| CCPZ-3B477-G | 2 | 2 | 1 | Half Shaft Retaining Nut |
| W520102-S442 | 2 | 1 | 4 | Half Shaft Retainer Strap Nut (2WD Maverick Only) |
| YS4Z-3N324-AA | 1 | 1 | 1 | Half Shaft Retainer Strap (2WD Maverick Only) |
| JX6Z-5A215-C | 1 | 1 | 1 | 1.5L EcoBoost Lower Exhaust Clamp (Bronco Sport Only) |
| W715618-S437 | 4 | 1 | 4 | Torque Converter Nut |
| W720206-S439 | 1 | 1 | 4 | Transmission Mounting Bolt (Bronco Sport Only) |
| W719151-S439 | 1 | 1 | 4 | Roll Restrictor To Transmission Case Stud Bolt |
| JM5Z-7G007-A | 6 | 6 | 1 | Valve Body Solenoid Mounting Plate |
| W712658-S439 | 2 | 1 | 4 | Solenoid Mounting Bolt |
| W520103-S442 | 2 | 1 | 4 | Exhaust Bracket Nut (Bronco Sport Only) |
| LX6Z-5A215-D | 1 | 1 | 1 | 2.0L Exhaust Clamp |
| LX6Z-5A215-A | 1 | 1 | 1 | Lower Exhaust Clamp (Bronco Sport) |
| W712503-S440 | 2 | 2 | 1 | Lower Sway Bar Nut |
| W721614-S439 | 2 | 1 | 4 | Ball Joint Bolt (Maverick) |

| | | | | |
|--------------|--|--|---|--|
| W712449-S439 | 2 | 2 | 1 | Roll Restrictor To Case Bolt |
| W500545-S901 | Maverick Requires 2 pieces, Bronco Sport Requires 3 pieces | 1 | 4 | Roll Restrictor Bolt |
| JX6Z-3B498-B | Maverick AWD/Bronco Sport requires 1 piece, Maverick 2WD requires 2 peices | Maverick AWD/Bronco Sport requires 1 piece, Maverick 2WD requires 2 peices | 1 | Halfshaft Circlip |
| PM-4-A | As Needed | As Needed | | Motorcraft® Metal Brake Parts Cleaner (Compliant With Low Volatile Organic Compound Requirements As Required In Some USA States) (All Markets Except Canada) |
| PM-4-B | As Needed | As Needed | | Motorcraft® Metal Brake Parts Cleaner (Not Compliant With Low Volatile Organic Compound Requirements) (All Markets Except Canada) |
| CPM-4-A | As Needed | As Needed | | Motorcraft® Brake Parts Cleaner - VOC Compliant (Canada Only) |
| XL-2 | As Needed | As Needed | | Motorcraft® High Temperature Nickel Anti-Seize Lubricant |
| XL-5-A | As Needed | As Needed | | Motorcraft® Multi-Purpose Grease Spray |
| VC-13-G | As Needed | As Needed | | Motorcraft® Yellow Concentrated Antifreeze/Coolant (All Markets Except Canada) |
| CVC-13-G | As Needed | As Needed | | Motorcraft® Yellow Concentrated Antifreeze/Coolant (Canada Only) |
| TA-29 | As Needed | As Needed | | Motorcraft® Ultra Silicone Sealant |
| XT-12-QULV | As Needed | As Needed | | Motorcraft® MERCON® ULV Automatic Transmission Fluid |
| XG-3-A | As Needed | As Needed | | Motorcraft® Silicone Brake Caliper Grease and Dielectric Compound |

Parts - AWD Only

| Service Part Number | Claim Quantity | Package Order Quantity | Number in Package | Description |
|---------------------|----------------|------------------------|-------------------|--|
| JM5Z-7H260-A | 1 | 1 | 1 | Axle Seal - All Wheel Drive (AWD) Only |
| NZ6Z- 3B498-AA | 1 | 1 | 1 | Halfshaft Cir-Clip AWD Only |
| K2GZ-7275-B | 1 | 1 | 1 | PTU Kit Right Axle CirClip And O-ring |
| W719767-S439 | 2 | 1 | 4 | PTU Intermediate Shaft Bolt |
| K2GZ-7086-A | 1 | 1 | 1 | PTU Intermediate Shaft Seal - Large |
| W719766-S439 | 5 | 2 | 4 | PTU Bolt |
| K2GZ-7H469-D | 1 | 1 | 1 | Actuator To PTU Seal Kit |
| LX6Z-4B496-A | 1 | 1 | 3 | AWD Driveshaft Bolt |
| XY-75W85-QL | As Needed | As Needed | | Motorcraft® SAE 75W-85 Premium Synthetic Hypoid Gear Lubricant |

Parts - Parts To Inspect And Replace Only If Necessary

| Service Part Number | Claim Quantity | Package Order Quantity | Number in Package | Description |
|---------------------|----------------|------------------------|-------------------|-------------|
|---------------------|----------------|------------------------|-------------------|-------------|

| | | | | |
|--------------|--------------------------------|--------------------------------|---|---|
| K2GZ-6758-H | Only If Necessary (Up To 1) | Only If Necessary (Up To 1) | 1 | Engine Vapor Tube |
| M1PZ-16038-A | Only If Necessary (Up To 1) | Only If Necessary (Up To 1) | 1 | Bronco Sport Right Fender Moulding |
| M1PZ-16039-A | Only If Necessary (Up To 1) | Only If Necessary (Up To 1) | 1 | Bronco Sport Left Fender Moulding |
| W717959-S300 | Only If Necessary (Up To 2) | Only If Necessary (Up To 1) | 4 | Transmission Mounting Dowel Pin (1.5L Engine) |
| W701350-S900 | Only If Necessary (Up To 2) | Only If Necessary (Up To 2) | 1 | Transmission Mounting Dowel Pin (2.0L Engine) |
| W712458-S900 | Only If Necessary (Up To 2) | Only If Necessary (Up To 1) | 4 | Exhaust Stud |
| JM5Z-7F228-A | Only If Necessary (Up To 1) | Only If Necessary (Up To 1) | 1 | Forward Clutch Inner Seal |
| JM5Z-7A548-F | Only If Necessary (Up To 1) | Only If Necessary (Up To 1) | 1 | Forward Clutch Outer Seal |

Service part numbers and "number in package" quantity may change after publication, thus also affecting the "package order quantity". Refer to the parts catalog for the latest information.

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

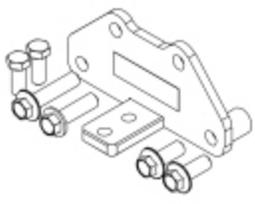
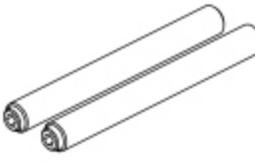
Package Order Quantity refers to the amount of the service part number package(s) required to repair the vehicle.

Number In Package refers to the number of individual pieces included in a service part number package.

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.

Special Tool(s)

| | |
|--|--|
|  <p>E274940</p> | <p>Fixture, Bench Mount 307-769</p> |
| | <p>Holding Fixture, Transmission 307-003</p> |
|  <p>E142010</p> | <p>Handle, Torque Converter 307-091</p> |

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 |
|--|---------------|-----------|
| 2023-2024 Maverick FWD 2.0L: Retrieve DTCs Replace The SOWC And Overhaul The Main Control Valve Body (Can Be Claimed With E) (Do Not Use With Any Operations Outside Of This Article) | 252567A | 14.4 Hrs. |
| 2023-2024 Maverick AWD 2.0L: Retrieve DTCs Replace The SOWC And Overhaul The Main Control Valve Body (Can Be Claimed With E) (Do Not Use With Any Operations Outside Of This Article) | 252567B | 16.5 Hrs. |
| 2023-2024 Bronco Sport 1.5L: Retrieve DTCs Replace The SOWC And Overhaul The Main Control Valve Body(Can Be Claimed With E, F And G) (Do Not Use With Any Operations Outside Of This Article) | 252567C | 14.4 Hrs. |
| 2023-2024 Bronco Sport 2.0L: Retrieve DTCs Replace The SOWC And Overhaul The Main Control Valve Body (Can Be Claimed With E, F And G) (Do Not Use With Any Operations Outside Of This Article) | 252567D | 18.2 Hrs. |
| 2023-2024 Bronco Sport, Maverick: Additional Time To Check And Correct Toe (Can Be Claimed With A, B, C Or D) | 252567E | 0.8 Hrs. |
| 2023-2024 Bronco Sport: Additional Time To Align Parking Aid Camera If Equipped (Can Be Claimed With C Or D) | 252567F | 0.5 Hrs. |
| 2023-2024 Bronco Sport: Additional Time If Equipped With PTU Cooler (Can Be Claimed With C Or D) | 252567G | 0.2 Hrs. |

Repair/Claim Coding

| | |
|-----------------|-------|
| Causal Part: | 7P030 |
| Condition Code: | 69 |

Service Procedure

1. Remove the transmission. Refer to WSM, Section 307-01.
2. Using the special tool, secure the transmission to the bench mounted fixture.
 - Use Special Service Tool: 307-769 Fixture, Bench Mount. 307-003 (T57L-500-B) Holding Fixture, Transmission.
3. Using the special tools, remove the torque converter.
 - Use Special Service Tool: 307-091 Handle, Torque Converter
4. Remove the main control valve body. Refer to WSM, Section 307-01.
5. Disassemble the transmission only far enough to access the SOWC. Refer to WSM, Section 307-01 > Overhaul and perform Steps 34-66.
6. Remove the SOWC and disassemble the A-clutch. Remove and discard the SOWC portion. Refer to WSM, Section 307-01 > Overhaul and perform Steps 164-170.
7. Assemble the new SOWC with the A-clutch components. Refer to WSM, Section 307-01 > Overhaul and perform Steps 173-179.

NOTE: The A-clutch seals can be reused unless damaged.

8. Install the new SOWC and reverse the procedure to reassemble the transmission.
9. Overhaul the main control valve body. Refer to WSM, Section 307-01 > Main Control Overhaul.
10. Reinstall the main control valve body. Refer to WSM, Section 307-01.
11. Reinstall the transmission. Refer to WSM, Section 307-01.
12. Refill the transmission to the correct fluid level. Refer to WSM, Section 307-01.
13. Clear all DTCs.

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.