



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
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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.

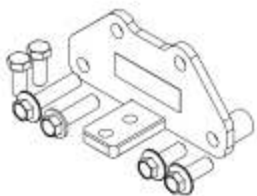
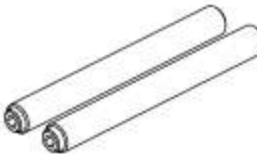
Package Order Quantity refers to the amount of the service part number package(s) required to repair the vehicle.

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)

 E274940	Fixture, Bench Mount 307-769
	Holding Fixture, Transmission 307-003
 E142010	Handle, Torque Converter 307-091

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.

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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.