



TECHNICAL SERVICE BULLETIN

8F35 - Illuminated MIL, DTC P0766, Intermittent No Reverse Engagement

21-226811 August
2021

This bulletin supersedes 19-2386. Reason for update: Concern Carryover to New Model

Model:

Ford 2021 Bronco Sport
2019-2021 Edge
2020-2021 Escape
2019-2021 Transit Connect
Lincoln 2020-2021 Corsair
2019-2021 Nautilus

Summary

This article supersedes TSB 19-2386 to update the vehicle model years affected.

Issue: Some 2019-2021 Edge/Nautilus/Transit Connect, 2020-2021 Escape/Corsair and 2021 Bronco Sport vehicles equipped with a 8F35 transmission may exhibit an illuminated malfunction indicator lamp (MIL) with diagnostic trouble code (DTC) P0766 stored in the powertrain control module (PCM) and/or intermittent no reverse engagement concerns. This may be due to contamination in the main control valve body separator plate orifice. To correct the condition, follow the Service Procedure steps to clean the contamination from the main control plate.

Action: Follow the Service Procedure steps to correct the condition on vehicles that meet all the following criteria:

- One of the following vehicles:
 - 2019-2021 Edge/Nautilus/Transit Connect
 - 2020-2021 Escape/Corsair
 - 2021 Bronco Sport
- 8F35 transmission
- DTC P0766 and/or intermittent no reverse engagement concerns only

NOTE: Part quantity refers to the number of that service part number required, which may be different than the number of individual pieces. Service part numbers contain 1 piece unless otherwise stated. "As Needed" indicates the part is required but the number may vary or is not a whole number; parts can be billed out as non-whole numbers, including less than 1.

Parts

Part Number		Description	Quantity
W716350-S300	Package Contains 4 Pieces, 8 Pieces Required	Rocker Moulding Clip (Bronco Sport)	2
W790225-S900	Package Contains 4 Pieces, 12 Pieces Required	Fender Moulding Clip (Bronco Sport)	3
XT-12-QULV	-	Motorcraft® MERCON® ULV Automatic Transmission Fluid	As Needed
Parts To Inspect And Replace Only If Necessary			
JM5Z-7G199-A	-	Main Control To Case Tube	If Needed
JM5Z-	-	Main Control Cover Gasket	If

7F396-A

Needed

Warranty Status: Eligible under provisions of New Vehicle Limited Warranty (NVLW)/Emissions Warranty/Service Part Warranty (SPW)/Special Service Part (SSP)/Extended Service Plan (ESP) coverage. Limits/policies/prior approvals are not altered by a TSB. NVLW/Emissions Warranty/SPW/SSP/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

Labor Times

Description	Operation No.	Time
2019-2021 Transit Connect 8F35 Transmission: Retrieve DTCs And Clean The Separator Plate Following The Service Procedure (Do Not Use With Any Other Labor Operations)	212268A	2.9 Hrs.
2019-2021 Edge/Nautilus 8F35 Transmission: Retrieve DTCs And Clean The Separator Plate Following The Service Procedure (Do Not Use With Any Other Labor Operations)	212286B	3.4 Hrs.
2020-2021 Escape 1.5L 8F35 Transmission: Retrieve DTCs And Clean The Separator Plate Following The Service Procedure (Do Not Use With Any Other Labor Operations)	212268C	3.4 Hrs.
2020-2021 Escape 2.0L 8F35 Transmission: Retrieve DTCs And Clean The Separator Plate Following The Service Procedure (Do Not Use With Any Other Labor Operations)	212268D	5.4 Hrs.
2020-2021 Corsair 8F35 Transmission: Retrieve DTCs And Clean The Separator Plate Following The Service Procedure (Do Not Use With Any Other Labor Operations)	212268E	5.5 Hrs.
2021 Bronco Sport 1.5L 8F35 Transmission: Retrieve DTCs And Clean The Separator Plate Following The Service Procedure (Do Not Use With Any Other Labor Operations)	212268F	3.6 Hrs.
2021 Bronco Sport 2.0L 8F35 Transmission: Retrieve DTCs And Clean The Separator Plate Following The Service Procedure (Do Not Use With Any Other Labor Operations)	212268G	5.9 Hrs.

Repair/Claim Coding

Causal Part:	7Z490
Condition Code:	49

Service Procedure

1. Remove the main control valve body. Refer to Workshop Manual (WSM), Section 307-01.
2. Remove the main control separator plate. Refer to WSM, Section 307-01.
3. Clean and remove any debris from the separator plate orifice. (Figure 1)

Figure 1



4. Reinstall the main control valve body. Refer to WSM, Section 307-01.

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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.