



TECHNICAL SERVICE BULLETIN

10R80 - Illuminated MIL – DTCs P0741 And P1744 – Built On Or Before 20-Nov-2017

20-2117
14 April
2020

This bulletin supersedes 18-2160. Reason for update: Incorrect or Missing Parts

Model:

Ford 2018 Expedition	Transmission/Transaxle: (10R80)
2017-2018 F-150	Transmission/Transaxle: (10R80)
2018 Mustang	Transmission/Transaxle: (10R80)
Lincoln 2018 Navigator	Transmission/Transaxle: (10R80)

Summary

This article supersedes TSB 18-2160 to update the Part List.

Issue: Some 2017-2018 F-150/Raptor, 2018 Expedition/Mustang/Navigator vehicles equipped with a 10R80 automatic transmission and built on or before 20-Nov-2017 may exhibit an illuminated malfunction indicator lamp (MIL) with diagnostic trouble codes (DTCs) P0741 and P1744 in the powertrain control module (PCM) or transmission control module (TCM). This may be due to a sticking torque converter clutch (TCC) valve in the main control valve body assembly. To correct the condition, follow the Service Procedure to replace the main control valve body.

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

- One of the following vehicles:
 - 2017-2018 F-150
 - 2018 Expedition/Mustang/Navigator
- Built on or before 20-Nov-2017
- DTCs P0741 and P1744

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
HL3Z-7A100-B	-	Main Control Valve Body (2017 F-150)	1
JL3Z-7A100-C	-	Main Control Valve Body (2018 Expedition/F-150) Column Shift	1
JL1Z-7A100-A	-	Main Control Valve Body (2018 Expedition/Navigator) Electronic Shift	1

JL3Z-7A100-B	-	Main Control Valve Body (2018 Mustang)	1
W715131-S437	Package Contains 4 Pieces, 1 Piece Required	Fluid Cooler Tube Bolt (2018 Expedition/Navigator)	1
W715131-S442	Package Contains 4 Pieces, 1 Piece Required	Fluid Cooler Tube Bolt (2018 F-150 5.0L)	1
W715798-S437	Package Contains 4 Pieces, 1 Piece Required	Fluid Cooler Tube Stud (2018 F-150/Raptor 2.7L/3.5L)	1
W520113-S440	Package Contains 4 Pieces, 4 Piece Required	Stabilizer Bar Bracket Nuts (2018 F-150/Expedition/Navigator)	1
W718926-S900	Package Contains 4 Pieces, 4 Piece Required	Transmission Support Isolator Bolts (2018 F-150 3.0L)	1
W718353-S900	Package Contains 4 Pieces, 4 Piece Required	Transmission Support Isolator Bolts (2018 F-150 2.7L/3.5L/5.0L)	1
JL1Z-7N134-A	-	Park Override Lever Bolt (2018 Expedition/Navigator)	1
XT-12-QULV	-	Motorcraft® MERCON® ULV Automatic Transmission Fluid	As 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
2017 F-150, 2017-2018 F150 Raptor 10R80 Transmission: Retrieve DTCs And Replace The Main Control Valve Body (Do Not Use With Any Other Labor Operations)	202117A	2.1 Hrs.
2018 F-150 10R80 Transmission: Retrieve DTCs And Replace The Main Control Valve Body (Do Not Use With Any Other Labor Operations)	202117B	2.9 Hrs.
2018 Mustang 10R80 Transmission: Retrieve DTCs And Replace The Main Control Valve Body (Do Not Use With Any Other Labor Operations)	202117C	2.0 Hrs.
2018 Expedition/Navigator 10R80 Transmission: Retrieve DTCs And Replace The Main Control Valve Body (Do Not Use With Any Other Labor Operations)	202117D	3.0 Hrs.

Repair/Claim Coding

Causal Part:	7A100
Condition Code:	69

Service Procedure

1. Replace the main control valve body assembly. Refer to Workshop Manual (WSM), Section 307-01.

NOTE: Advise the customer 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.

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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.