



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

18-2160
 01 June 2018

Model:

Ford
2017-2018 F-150
2018 Expedition
2018 Mustang
Lincoln
2018 Navigator

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.

Action: Follow the Service Procedure steps to correct the condition.

Parts

Part Number	Description	Quantity
XT-12-QULV	Transmission Fluid Mercon ULV	6
HL3Z-7A100-B	Main Control Valve Body Assembly - 2017 F-150	1
JL3Z-7A100-C	Main Control Valve Body Assembly - 2018 Expedition (Automatic Gear Shift), 2018 F-150	1
JL1Z-7A100-A	Main Control Valve Body Assembly - 2018 Expedition/Navigator (Electronic Auto Shift)	1
JL3Z-7A100-B	Main Control Valve Body Assembly - 2018 Mustang	1
W715131-S437	Oil Cooler Bolt - 2018 Expedition/Navigator	1

Warranty Status: Eligible Under Provisions Of New Vehicle Limited Warranty Coverage And Emissions Warranty Coverage Warranty/ESP coverage limits/policies/prior approvals are not altered by a TSB. Warranty/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)	182160A	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)	182160B	2.9 Hrs.
2018 Mustang 10R80 Transmission: Retrieve DTCs And Replace The Main Control Valve Body (Do Not Use With Any Other Labor Operations)	182160C	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)	182160D	3.0 Hrs.

Repair/Claim Coding

Causal Part:	7A100
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Drive	Tool Name
1/4"	Power Tool
1/4"	Ratchet
1/4"	Torque Wrench
1/4"	8 mm Socket
1/4"	10 mm Deep Socket
1/4"	13 mm Deep Socket
1/4"	6" Extension
	Hook / Pick
	Fluid Suction Device
	Mityvac MITMV6412
	ESST 307-569
	ESST 307-745

Service Procedure

- Check the vehicle build date. Was the vehicle built on or before 20-Nov-2017?
 - Yes - proceed to Step 2.
 - No - this article does not apply. Refer to the Powertrain Controls/Emissions Diagnosis (PC/ED) Manual for normal diagnostics.
- Using the appropriate Ford scan tool or equivalent, retrieve DTCs. Are P0741 and P1744 the only DTCs stored in the PCM or TCM?
 - Yes - proceed to Step 3.
 - No - this article does not apply. Refer to the PC/ED Manual for normal diagnostics.
- Replace the main control valve body assembly. Refer to Workshop Manual (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 RE-LEARNING PROCESS. THIS RE-LEARNING 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.