



This bulletin supersedes 21-2423.

Ford 2018-2021 Expedition	Transmission/Transaxle: 10R80
2018-2020 F-150	Transmission/Transaxle: 10R80
2018-2021 Mustang	Transmission/Transaxle: 10R80
2019-2021 Ranger	Transmission/Transaxle: 10R80
Lincoln 2018-2021 Navigator	Transmission/Transaxle: 10R80

This article supersedes TSB 21-2423 to update the Issue, Service Procedure, and Part List.

Issue: Some 2018-2021 Expedition/Navigator, 2018-2020 F-150/Mustang and 2019-2021 Ranger vehicles equipped with a 10R80 automatic transmission may exhibit an illuminated malfunction indicator lamp (MIL) with diagnostic trouble code (DTC) P163E stored in the powertrain control module (PCM) or transmission control module (TCM) after replacing the main control valve body. This may be due to software incompatibility between the replacement main control valve body solenoid strategy file and the PCM/TCM software. To correct this condition, follow the Service Procedure to enter only the 13-digit solenoid body strategy when downloading transmission strategy.

- One of the following vehicles:
 - 2018-2021 Expedition/Navigator
 - 2018-2020 F-150
 - 2018-2021 Mustang
 - 2018-2021 Ranger
- Equipped with 10R80 transmission
- Illuminated MIL with DTC P163E stored in the PCM or TCM after main control valve body replacement

Description	Operation No.	Time
Retrieve DTCs Perform Transmission Strategy Download Procedure Following The Service Procedure (Do Not Use With Any Other Labor Operations)	222339A	0.4 Hrs.

Repair/Claim Coding

Causal Part:	7A100
Condition Code:	04

Service Procedure

1. Using the latest version of the appropriate Ford scan tool, clear DTCs.
2. Perform the Transmission Strategy Download procedure entering only the 13-digit solenoid body strategy when prompted to enter transmission characterization information. Entering the 12-digit solenoid body identification will produce a DTC P163E. 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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