



# TECHNICAL SERVICE BULLETIN

## 10R80 - Illuminated MIL – DTC P0721 – Built On Or Before 30-Nov-2017

**18-2119**  
16 April 2018

### Model:

<b>Ford</b>
2018 Expedition
2018 Mustang
2018 F-150
<b>Lincoln</b>
2018 Navigator

**Issue:** Some 2018 Expedition/F-150/Mustang/Navigator vehicles equipped with a 10R80 automatic transmission and built on or before 30-Nov-2017 may exhibit an illuminated malfunction indicator lamp (MIL) with diagnostic trouble code (DTC) P0721 in the powertrain control module (PCM) or transmission control module (TCM).

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

### Parts

Part Number	Description	Quantity
XT-12-QULV	Mercon® ULV Transmission Fluid	6
HL3Z-7H103-C	Output Shaft Speed Sensor	1
W715131-S437	Oil Cooler Bolt - Expedition/Navigator Only	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
2018 Mustang 10R80 Transmission: Retrieve DTCs And Replace The OSS Sensor (Do Not Use With Any Other Labor Operations)	182119A	1.7 Hrs.
2018 F-150 Raptor 10R80 Transmission: Retrieve DTCs And Replace The OSS Sensor (Do Not Use With Any Other Labor Operations)	182119B	2.1 Hrs.
2018 F-150 10R80 Transmission: Retrieve DTCs And Replace The OSS Sensor (Do Not Use With Any Other Labor Operations)	182119C	2.9 Hrs.
2018 Expedition/Navigator 10R80 Transmission: Retrieve DTCs And Replace The OSS Sensor (Do Not Use With Any Other Labor Operations)	182119D	3.0 Hrs.

### Repair/Claim Coding

Causal Part:	7H103
Condition Code:	42

### Tool List

Drive	Tool Name
1/4"	Ratchet
1/4"	Power Tool
1/4"	8 mm Socket

Drive	Tool Name
1/4"	10 mm Deep Socket
1/4"	13 mm Deep Socket
1/4"	6" Extension
1/4"	Torque Wrench
	Hook Pick
	ESST 307-569
	ESST 307-745
	Fluid Suction Gun
	Mityvac MITMV6412

## Service Procedure

1. Check the vehicle build date. Was the vehicle built on or before 30-Nov-2017?
  - (1). Yes - proceed to Step 2.
  - (2). No - this article does not apply. Refer to the Powertrain Controls/Emissions Diagnosis (PC/ED) Manual for normal diagnostics.
2. Connect the Ford Integrated Diagnostic System (IDS) or Ford Diagnosis and Repair System (FDRS) software to the data link connector (DLC). Check for DTCs. Is P0721 stored in the PCM or TCM?
  - (1). Yes - proceed to Step 3.
  - (2). No - this article does not apply. Refer to the PC/ED Manual for normal diagnostics.
3. Replace the output shaft speed (OSS) sensor. Refer to Workshop Manual (WSM), Section 307-01.

---

© 2018 Ford Motor Company

All rights reserved.

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.