



TECHNICAL SERVICE BULLETIN

10R140 - Lack Of Power And/Or Stuck In 7th Gear With Illuminated MIL And/Or Wrench Lamp – Built On Or Before 21-Sep-2020

**20-
2393**
09
November
2020

Model:

Ford 2020 Super Duty

Issue: Some 2020 F-Super Duty vehicles equipped with a 10R140 automatic transmission and built on or before 21-Sep-2020 may exhibit a lack of power with an illuminated malfunction indicator lamp (MIL) and/or wrench lamp with diagnostic trouble codes (DTCs) P0715, P0716, P0717 and or P07C0 stored in the powertrain control module (PCM) or transmission control module (TCM). This may be due to the turbine shaft speed (TSS) sensor. To correct the condition, follow the Service Procedure to replace the TSS sensor.

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

- 2020 F-Super Duty
- 10R140 automatic transmission
- Built on or before 21-Sep-2020
- Illuminated MIL and/or wrench lamp with DTCs P0715, P0716, P0717 and/or P07C0 stored in the PCM or TCM
- Lack of power and/or stuck in 7th gear

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. "If Needed" indicates the part is not mandatory.

Parts

Part Number	Description	Quantity
LC3Z-7M101-A	Turbine Speed Sensor	1
XT-12-QULV	Motorcraft® MERCON® ULV Automatic Transmission Fluid	As Needed
Parts To Inspect And Replace Only If Necessary		
LC3Z-7F396-B	Fluid Pan Gasket	If Needed
LC3Z-7G186-A	Fluid Filter	If Needed
LC3Z-7N265-A	Main Control Manifold Seal	If Needed
LC3Z-7N265-B	Fluid Pump Gasket	If 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
2020 F-Super Duty: Retrieve DTCs And Replace The TSS Sensor (Do Not Use With Any Other Labor Operations)	202393A	2.6 Hrs.

Repair/Claim Coding

Causal Part:	7M101
Condition Code:	42

Service Procedure

1. Replace the TSS sensor. 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.