FORD:

2011-2014 Expedition, F-150, Mustang
LINCOLN:

2011-2014 Navigator

This article supersedes TSB **14-0076** to update the Part List.

ISSUE

Some 2011-2014 Expedition, Mustang, F-150 and Navigator vehicles may exhibit a delayed park to forward or reverse transmission engagement only on initial vehicle start up after parking several hours or overnight. The vehicle functions normally after the initial engagement has completed.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

Use IDS datalogger to measure the amount of time it takes the vehicle to reach approximately 5 Km/h (3 MPH) at engine idle speed without pressing the accelerator pedal, verifying transmission pump operation.

1. Verify transmission fluid temperature is at 77 °C (170 °F) or above.

2. Park the vehicle for a minimum of 6 hours or overnight on a level spot where it can be driven forward uninhibited for up to 5 Km/h (3 MPH).

3. Using IDS, with Ignition On and Engine Off, select the following Parameter Identifications (PID)

   a. VSS Vehicle speed

   b. TRS Transmission Range selector

   c. BOO1 Brake On

   d. APP% Accelerator Pedal Position

   e. Gear_Mode Transmission gear

   f. TFT Transmission Fluid Temperature

   g. TSS_SRC Turbine Speed Sensor

   h. RPM Engine Revolutions

   i. Gear_Rat Transmission Gear ratio

Read and review the following steps before performing them as they need to happen consecutively.

- Make sure the parking brake is released.
- Do not apply the accelerator pedal for this test.

4. Press the record function and perform the following steps.

   a. Press the brake pedal.

   b. Start the engine.

   c. Immediately place the transmission selector lever drive (D) position.

  d. Immediately release the brake pedal and allow the vehicle to move at idle speed only. Do not accelerate.

5. After recording for 15 seconds, stop the vehicle.

6. Using the scroll feature, slide the time bar to the point when the brake was released as indicated by BOO1, and note the time at the bottom.

7. Move the slide until the VSS shows 5 Km/h (3 MPH), or the maximum speed attained.

8. Did the vehicle reach 5 Km/h (3 MPH) within 5 seconds ?

  a. Yes - vehicle is operating normally. This procedure does not apply.

  b. No - replace the transmission pump assembly. Refer to Workshop Manual (WSM), Section 307-01.

PART NUMBER	PART NAME
BL3Z-7A103-B	Transmission Pump Assembly - Built On Or Before 3/31/2014
FL3Z-7A103-A	Transmission Pump Assembly - Built On Or After 4/1/2014
W715131-S437	Bolt - Cooler Line Fastener
6L2Z-7N134-BA	Bolt - Pump (13 Req)
7L1Z-4B496-C	Bolt - Front Driveshaft - Expedition/Navigator/F-150 (2 Req)
7L1Z-4B496-D	Bolt - Front Driveshaft - Expedition/Navigator/F-150 (3 Req)
N811880-S100	Bolt - Rear Driveshaft - Expedition/Navigator (8 Req)
N800594-S100	Bolt - Rear Driveshaft - F-150/Mustang (8 Req)
4R3Z-4B496-AA	Bolt - Driveshaft - 5.0L Mustang (4 Req)
N605802-S102	Bolt - Center Support - 5.0L Mustang/Expedition/Navigator (2 Req)
W715618-S437	Nut - Converter - Expedition/Navigator (4 Req)
W714689-S437	Nut - Converter - Mustang/F-150 (4 Req)
W520213-S440	Nut - Sway Bar (4 Req)
W716375-S900	Bolt - Transfer Case (9 Req)
6L2Z-7N134-BA	Bolt - Front Pump (13 Req)
W520514-S440	Nut - Exhaust (4 Req)
W506434-S439	Bolt - Center Support Driveshaft (2 Req)
XT-10-QLVC	Motorcraft® MERCON® LV Automatic Transmission Fluid

OPERATION	DESCRIPTION	TIME
140217A	2011-2014 Mustang 3.7L/5.0L Engine: Diagnose And Replace The Transmission Pump Assembly (Do Not Use With Any Other Labor Operations)	5.5 Hrs.
140217A	2011 Expedition/Navigator 4X2: Diagnose And Replace The Transmission Pump Assembly (Do Not Use With Any Other Labor Operations)	7.1 Hrs.
140217A	2011 Expedition/Navigator 4X4: Diagnose And Replace The Transmission Pump Assembly (Do Not Use With Any Other Labor Operations)	8.4 Hrs.
140217A	2012-2014 Expedition/Navigator 4X2: Diagnose And Replace The Transmission Pump Assembly (Do Not Use With Any Other Labor Operations)	6.7 Hrs.

OPERATION	DESCRIPTION	TIME
140217A	2012-2014 Expedition/Navigator 4X4: Diagnose And Replace The Transmission Pump Assembly (Do Not Use With Any Other Labor Operations)	7.8 Hrs.
140217A	2011-2014 F-150 3.5L/3.7L/6.2L 4X2: Diagnose And Replace The Transmission Pump Assembly (Do Not Use With Any Other Labor Operations)	6.4 Hrs.
140217A	2011-2014 F-150 3.5L/3.7L/6.2L 4X4: Diagnose And Replace The Transmission Pump Assembly (Do Not Use With Any Other Labor Operations)	7.6 Hrs.
140217A	2011-2014 F-150 5.0L 4X2: Diagnose And Replace The Transmission Pump Assembly (Do Not Use With Any Other Labor Operations)	6.7 Hrs.
140217A	2011-2014 F-150 5.0L 4X4: Diagnose And Replace The Transmission Pump Assembly (Do Not Use With Any Other Labor Operations	8.0 Hrs.

WARRANTY STATUS:
Eligible Under Provisions Of New Vehicle Limited 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.

DEALER CODING

BASIC PART NO.	CONDITION CODE
7A103	42