

SB-10055875-2491

FORD:

2011-2014 Expedition ,F-150 ,Mustang

LINCOLN:

2011-2014 Navigator

This article supersedes TSB 13-4-15 to update the model years, Part List and Service Procedure.

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

IDS datalogger will be used 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 prior to the next step.
 - 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 in the D position.

NOTE: The information contained 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, Lincoln, or Mercury 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.

- 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 |
| W715131-S437 | Bolt - Cooler Line Fastener |
| 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-QLV | Motorcraft® MERCON® LV Automatic Transmission Fluid |

| OPERATION | DESCRIPTION | TIME |
|-----------|--|----------|
| 140076A | 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. |
| 140076A | 2011 Expedition/Navigator 4X2: Diagnose And Replace The Transmission Pump Assembly (Do Not Use With Any Other Labor Operations) | 7.1 Hrs. |
| 140076A | 2011 Expedition/Navigator 4X4: Diagnose And Replace The Transmission Pump Assembly (Do Not Use With Any Other Labor Operations) | 8.4 Hrs. |
| 140076A | 2012-2014 Expedition/Navigator 4X2: Diagnose And Replace The Transmission Pump Assembly (Do Not Use With Any Other Labor Operations) | 6.7 Hrs. |

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| OPERATION | DESCRIPTION | TIME |
|-----------|--|----------|
| 140076A | 2012-2014 Expedition/Navigator 4X4: Diagnose And Replace The Transmission Pump Assembly (Do Not Use With Any Other Labor Operations) | 7.8 Hrs. |
| 140076A | 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. |
| 140076A | 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. |
| 140076A | 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. |
| 140076A | 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 |