

5.4L WITH 6R75/6R80—DELAYED FORWARD/REVERSE ENGAGEMENT—DTCS P0741, P0731, AND/OR P0735—AFTER COLD START

TSB 10-18-1

FORD:

2007-2010 Expedition
2009-2010 F-150

LINCOLN:

2009-2010 Navigator

ISSUE

Some 2007-2010 Expedition, 2009-2010 Navigator and F-150 vehicles equipped with a 5.4L engine and a 6R75/6R80 transmission may exhibit delayed forward/reverse engagement. Diagnostic trouble codes (DTCs) P0741, P0731, and/or P0735 for torque converter and/or gear ratio concerns may be stored in the powertrain control module (PCM). This concern typically occurs after cold start and in colder climates.

b. If the valve does not move or sticks, remove the valve and clean both the valve and bore, reinstall the valve. Proceed to Step 5.

5. Reassemble the mechatronic assembly. Refer to WSM, Section 307-01.
6. Install a new front pump adaptor seal.
7. Reinstall the mechatronic assembly. Refer to WSM, Section 307-01.

ACTION

Follow the Service Procedure steps to correct the condition.

PART NUMBER	PART NAME
AL3Z-7F401-A	Front Pump Adaptor Seal
6L2Z-7Z490-C	Separator Plate

SERVICE PROCEDURE

1. Remove the mechatronic assembly. Refer to Workshop Manual (WSM), Section 307-01.
2. Inspect the fluid pump adapter seal molded frame for evidence of cracks, which are most often found in the corner(s) of the molded frame.
 - a. If evidence of cracks are present, proceed to Step 3.
 - b. If evidence of cracks are not present, do not continue with this article. Refer to WSM, Section 307-01 for further diagnostics.
3. Partially disassemble the mechatronic assembly to access only the main oil pressure regulator valve located in the lower half. Refer to WSM, Section 307-01.
4. Inspect the main oil pressure regulator valve for free movement in its bore.
 - a. If the valve moves easily in the bore, proceed to Step 5.

WARRANTY STATUS: Eligible Under Provisions Of New Vehicle Limited Warranty Coverage
IMPORTANT: Warranty coverage limits/policies are not altered by a TSB. Warranty coverage limits are determined by the identified causal part.

OPERATION	DESCRIPTION	TIME
101801A	2007-2010 Expedition, 2009-2010 F-150, Navigator: Follow Service Procedure To Repair Mechatronic Includes Time To Remove And Install The Mechatronic And Reprogram (Do Not Use With Any Other Labor Operations)	2.7 Hrs.

DEALER CODING

BASIC PART NO.	CONDITION CODE
7F401	01

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, 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.