

TORQSHIFT6—DELAYED ENGAGEMENT IN DRIVE OR REVERSE—BUILT ON OR BEFORE 9/30/2012

TSB 13-1-3

FORD:

2011-2012 F-Super Duty

This article supersedes TSB **12-9-4** to update the vehicle application and production fix date.

ISSUE

Some 2011-2012 F-Super Duty vehicles equipped with a TorqShift6 transmission, without power take off (PTO) unit built on or before 7/25/2012 and with PTO unit built on or before 9/30/2012, may exhibit an intermittent delayed transmission engagement in drive or reverse. The concern will only occur during the initial transmission engagement after the vehicle is parked with the engine off for a minimum of 2 to 3 hours. This concern may be caused by the transmission pump losing prime.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

1. Check the vehicle build date and if equipped with a PTO unit.
 - a. No PTO unit present:
 - (1) If the vehicle was built on or before 7/25/2012, proceed to Step 2.
 - (2) If the vehicle was built after 7/25/2012 this procedure does not apply.
 - b. PTO unit present:
 - (1) If the vehicle was built on or before 9/30/2012, proceed to Step 2.
 - (2) If the vehicle was built after 9/30/2012 this procedure does not apply.
2. Connect a transmission fluid pressure gauge to the line pressure tap. Refer to Workshop Manual (WSM), Section 307-01B.

- a. The line pressure tap is an M10 X 1.00 thread. Do not use a National Pipe Thread (NPT) fitting when installing a pressure gauge. If a NPT fitting is used, damage to the transmission case will occur.
3. Park the vehicle for 3 to 4 hours with the engine off (same day).
4. While monitoring the transmission fluid pressure gauge, firmly apply brake, start engine and immediately shift transmission selector lever to reverse. Was engagement delayed during which time the pressure gauge also read less than 68.9 kPa (10 psi)?
 - a. Yes - replace the transmission pump assembly. Refer to WSM, Section 307-01B.
 - b. No - discontinue this article. Refer to WSM, Section 307-01B for normal diagnostics.

PART NUMBER	PART NAME
BC3Z-7A103-E	Pump Assembly Without PTO
BC3Z-7A103-F	Pump Assembly With PTO
BC3Z-7A248-C	Pump Seal
391308-S102	Filler Tube O-ring
W715234-S437	Nut - Torque Converter (4 to 8 Req)
XT-10-QLVC	MERCON® LV Automatic Transmission Fluid
W709771-S440	Nut - Transmission Mount (2 Req)
W707246-S440	Nut - Crossmember (6 Req)
W711336-S441	Nut - Engine Mount (7 Req)
E4HZ-4A254-B	Strap - Front Driveshaft (2 Req)
F81Z-4N272-AA	Bolt - Front Driveshaft (4 Req)
N811880-S100	Bolt - Driveshaft (4 Req)
W71417-S439	Bolt - Y-pipe-To Catalytic Converter - Gasoline Engine (2 Req)
W520514-S440	Nut - Y-pipe-To-Manifold - Gasoline Engine (4 Req)

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.

TSB 13-1-3 (Continued)

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.

130103A	2011-2012 F-Super Duty 4X4 6.2L/6.7L TorqShift6: Diagnose And Replace The Transmission Pump Assembly Includes Time To Perform Misfire Monitor Neutral Profile Correction Procedure	6.7 Hrs.
MT130103	Additional Time For The Removal And Installation Of PTO Units Should Be Claimed As Actual Time	Actual Time

OPERATION	DESCRIPTION	TIME
130103A	2011-2012 F-Super Duty 4X2 6.2L/6.7L TorqShift6: Diagnose And Replace The Transmission Pump Assembly Includes Time To Perform Misfire Monitor Neutral Profile Correction Procedure	6.0 Hrs.

DEALER CODING	CONDITION CODE
BASIC PART NO. 7A103	53