6F50 TRANSAXLES BUILT PRIOR TO 10/21/2007— DTC P0715, P0717, P0718, P0720, P0721, P0722 AND/OR HARSH ENGAGEMENT, NO UPSHIFT, FIFTH GEAR ONLY

TSB 07-21-11

FORD:
2008 Taurus X, Taurus
2007-2008 Edge

LINCOLN:
2007-2008 MKX

MERCURY:
2008 Sable

This article supersedes TSB **07-3-11** to update the transaxle built date coverage and Part List.

ISSUE

Some 2007-2008 Edge and MKX, 2008 Taurus, Taurus X, and Sable vehicles equipped with a 6F50 transaxle with a build date prior to 10/21/2007, with any Output Shaft Speed (OSS) sensor or Turbine Shaft Speed (TSS) sensor diagnostic trouble code(s) (DTCs) P0715, P0717, P0718, P0720, P0721, P0722 and/or harsh engagements, no upshift, fifth gear only, could have an intermittent short in the OSS or TSS sensor.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

1. If any DTCs related to OSS or TSS are present, check the transaxle build date following Workshop Manual (WSM), Section 307-01.
   a. If the build date is before 10/21/2007 go to Step 2.
   b. If vehicle transaxle is built on or after 10/21/2007 do not continue with this TSB and follow normal WSM, Section 307-01 Automatic Transaxle/Transmission-6F50 Diagnosis and Testing.
2. To repair an OSS or TSS DTC refer to WSM, Section 307-01, follow pin point test (PPT) C. The TSS sensor is located in the end cover assembly (Figure 1). The OSS sensor is located inside the transaxle under the main Control (Figure 2). Both sensor connectors are plugged into the solenoid body. Both sensor connectors look the same but are wired differently (Figure 3).
3. If you work through PPT C and get to Step C9 before finding the cause of the concern, replace the sensor (DO NOT REPLACE THE POWERTRAIN CONTROL MODULE (PCM) AT THIS TIME). Reassemble as needed and verify the concern is fixed.

PART NUMBER	PART NAME
8A8Z-7M101-A	TSS Sensor
8A8Z-7H103-A	OSS Sensor

WARRANTY STATUS: Eligible Under Provisions Of New Vehicle Limited Warranty Coverage And Emissions 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
MT072111	Use SLTS Operations If Available; Claim Additional Diagnosis Or Labor Performed As Actual Time	Actual Time

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 supercede this information with updates.The most recent information is available through Ford Motor Company's on-line technical resources.

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DEALER CODING

BASIC PART NO.	CONDITION CODE
7M101	42

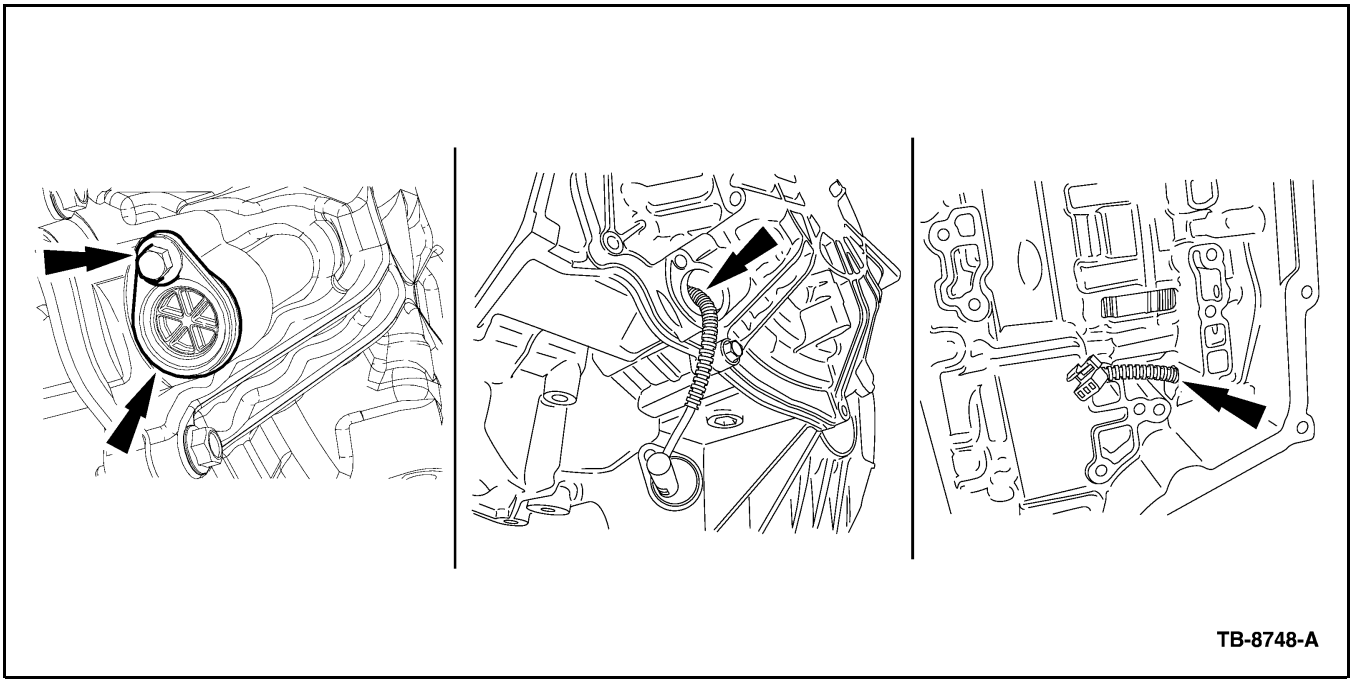


Figure 1 - Article 07-21-11

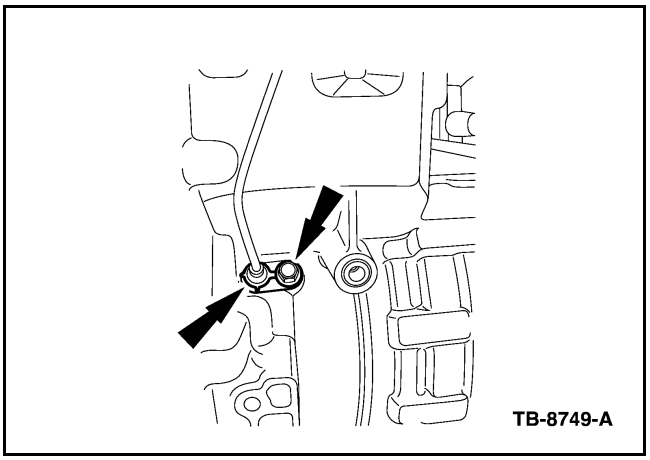
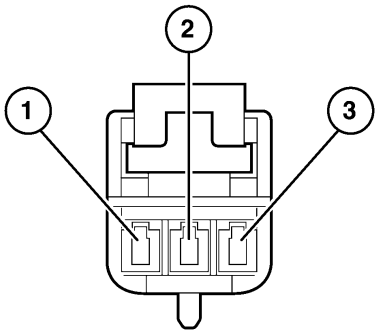


Figure 2 - Article 07-21-11

TURBINE SHAFT SPEED (TSS) SENSOR AND OUTPUT SHAFT SPEED (OSS) SENSOR CONNECTOR



Pin Number	Circuit Function
1	OSS Signal Return
2	OSS Power
3	OSS Sensor Ground

Pin Number	Circuit Function
1	TSS Sensor Ground
2	TSS Power
3	TSS Signal Return

TB-8750-A

Figure 3 - Article 07-21-11