

FORD:

1999-2005 F-Super Duty

ISSUE

Some 1999-2005 Super Duty F-Series may exhibit excessive drive-away shudder or vibration, under moderate to heavy acceleration from a stop. This may be due to driveline angle.

ACTION

Shim the center carrier bracket downward to correct the condition. Refer to the following Service Procedure.

SERVICE PROCEDURE

When shimming the center carrier bracket, a maximum of three (3) 1/4 inch shims may be used (EOTZ-4A209-A). When refastening the carrier bracket use bolt (56564-S2). A 7/16 x 14 grade 5 bolt may be substituted providing that it extends at least 3 threads past the nut. Use Motorcraft Threadlock 262 (TA-26), and torque bolts to 46 lb-ft (62 N•m).

NOTE

IF THE VEHICLE IS NORMALLY LOADED, ROAD TESTS WILL NEED TO BE PERFORMED WITH THE VEHICLE LOADED.

1. Before beginning the repair, road test the vehicle to gain a feel for the harshness of the shudder/vibration.
2. Install one (1) shim, (DO NOT use Threadlock on the bolts at this point), re-road test vehicle.
 - a. If condition is corrected, apply Threadlock and torque bolts as directed above. Return the vehicle to the customer.
 - b. If condition is not corrected, re-perform Step 2 (to a maximum of three (3) shims) and reevaluate vehicle.

NOTE

IF THE CONDITION IS STILL NOT CORRECTED AFTER INSTALLING A MAXIMUM OF THREE (3) SHIMS, REFER TO WORKSHOP MANUAL SECTION 205-00 FOR FURTHER DIAGNOSTICS.

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.

PART NUMBER	PART NAME
EOTZ-4A209-A	Shim
56564-S2	Bolt
TA-26	Motorcraft Threadlock 262

WARRANTY STATUS: Eligible Under Provisions Of New Vehicle Limited Warranty Coverage

OPERATION	DESCRIPTION	TIME
042207A	Road Test To Verify Concern, Install One Shim, And Road Test To Verify Repair (Includes Time To Raise Vehicle And Install Threadlock)	1.2 Hrs.
042207B	Road Test To Verify Concern, Install One Shim, And Road Test To Verify Repair Condition Still Exists, Install A Second Shim And Road Test (Includes Time To Raise Vehicle And Install Threadlock)	1.7 Hrs.
042207C	Road Test To Verify Concern, Install One Shim, And Road Test To Verify Repair, Install A Second Shim And Road Test Condition Still Exists, Install A Third Shim And Road Test (Includes Time To Raise Vehicle And Install Threadlock)	2.2 Hrs.

DEALER CODING

BASIC PART NO.	CONDITION CODE
4A209	42