

Enginotech Inc
For Technical Assistance Call:
1-800-410-3664 ext 340 or ext 237

TECHNICAL BULLETIN	
	September 2004 TB 2195
Mfg:	FORD
Model:	F-SERIES
Liter:	7.3L
V I N:	F
Year:	95-05

Flywheel Machining Dimensions and Guidelines For
1994-2003 Navistar 7.3L Diesel Engines

The AERA Technical Committee offers the following information regarding flywheel machining dimensions and guidelines for 1994-2003 Navistar 7.3L diesel engines. This information applies to vehicles that use standard shift transmissions.

Flywheels used in manual transmission vehicles with T 444E Engines may be ground to a minimum thickness of 1.768" (44.907 mm) . Resurfacing should only be done to correct minor wear and scoring. Before resurfacing the flywheel, determine whether or not it was previously resurfaced, or has adequate stock for resurfacing.

To make this determination, first clean the flywheel in a non caustic cleaner and dry with compressed air.

- ☐ Visually inspect the flywheel for cracks, heat checks, and extensive scoring, which would make it unfit for further service. Replace or resurface the flywheel as required.
- ☐ Inspect the flywheel for ring gear wear chipped, or cracked, teeth. If the teeth are damaged, replace the ring gear.

Figure 1. Flywheel Surface Grinder Specifications

- ☐ Dimension "A"
 - a. Flywheel mounting face to flywheel clutch face
 - b. New flywheels have a thickness of 1.804 inches plus or minus .010" (45.822 mm plus or minus 0.254 mm).
 - c. 1.768" (44.907 mm) is the minimum thickness permissible after resurfacing.

NOTE: If the minimum dimension depicted in Figure 1 cannot be maintained, the flywheel should be replaced.

Post-Machining Flywheel inspection

This information is provided from the best available sources. However, AERA does not assume responsibility for data accuracy or consequences of its application. Members and others are not authorized to reproduce or distribute this material in any form, or issue it to their branches, divisions, or subsidiaries, etc. at a different location, without written permission.
© Copyright AERA 2006



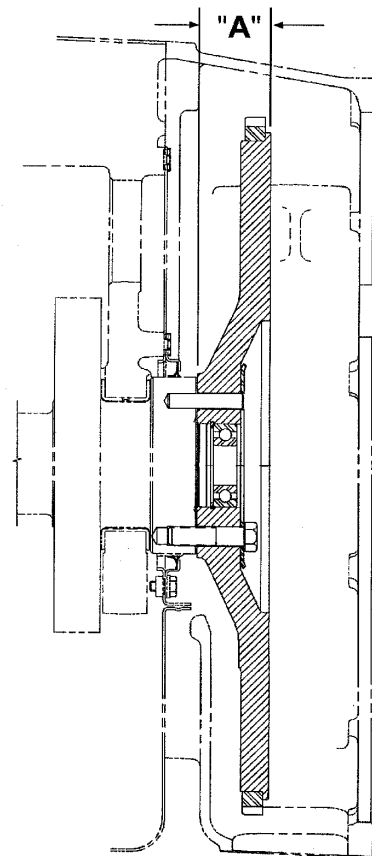
Reference:	
-------------------	--

TECHNICAL BULLETIN		Mfg:	FORD
	September 2004 TB 2195	Model:	F-SERIES
		Liter:	7.3L
		V I N:	F
		Year:	95-05

Once the flywheel has been machined, recheck it for cracks and heat checks. If any cracks or heat checks are detected, replace the resurfaced flywheel with a new one.

The AERA Technical Committee

Bulletin Diagram: FIGURE 1. FLYWHEEL MACHINING DIMENSIONS - OTHER



This information is provided from the best available sources. However, AERA does not assume responsibility for data accuracy or consequences of its application. Members and others are not authorized to reproduce or distribute this material in any form, or issue it to their branches, divisions, or subsidiaries, etc. at a different location, without written permission.
© Copyright AERA 2006



Reference: