

Enginetech Inc
Tech Assistance 800-410-3664 ext. 340 or 237

TECHNICAL BULLETIN	
	February 1998 TB 1540
Mfg:	FORD
Model:	RANGER
Liter:	4.0L
V I N:	X
Year:	90-08

Connecting Rod & Fastener Caution On
1990-98 Ford 4.0L Engines

AERA members have reported different connecting rods in 1990-98 Ford 4.0L engines. Ford started using torque to yield (TTY) fasteners in this engine beginning 5/13/96. Intermixing bolts, nuts and rods is not advised according to Ford. Using the revised fasteners on previous connecting rods may result in nut to block interference.

At some point in time previously designed rod assemblies, Part #97JM-6200-AD, will be phased out of production. If a rod replacement is required in a 1990-95 engine and a rod is not available, all six rods should be replaced with the new rod assembly Part #97JM-6200-AE.

To assist in identifying which rods have TTY fasteners, Ford has placed a three digit code on the beam of the rod as shown below. Rods with the TTY fasteners will have "7AE" or "7AC" marked on the beam of the rod. The mounting bolt torque for those rods is 13.5-16.5 ft/lbs + 90°. Rod nuts are available with Part #F77Z-6212-AA and bolts with Part #F7TZ-6214-AB.

A caution is expressed for an interim rod marked "7AD" which uses a combination of the old bolt and the new TTY nut. That rod should use the previous mounting bolt torque of 22 ft/lbs, which is also the torque for the 1990-95 rods.

Rod Marking	Bolt Torque	Fastener Replacement
FBOCB, 8AA	22 ft/lbs.	Not Required
7AD	22 ft/lbs.	Not Required
7AC, 7AE	13.5-16.5 ft/lbs Plus 90° Turn	Required

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
	February 1998 TB 1540	Model:	RANGER
		Liter:	4.0L
		V I N:	X
		Year:	90-08

AERA is currently unaware of an aftermarket supplier for the connecting rod nuts or bolts.

The AERA Technical Committee

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:	
-------------------	--