

Enginetech Inc
For Technical Assistance Call:
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TECHNICAL BULLETIN	
	February 1996
	TB 1311
Mfg:	FORD
Model:	CAR & TRUCK
Liter:	5.0L
V I N:	F
Year:	88-93

Revised Cylinder Head Bolts & Installation Procedure On
Ford 5.0L Engines

The AERA Technical Committee offers the following information on revised cylinder head bolts and installation procedure on Ford 5.0L engines. There are two styles of cylinder head bolts used on this engine. Starting with the 1992 model year, Ford used a torque-to-yield cylinder head bolt.

The torque-to-yield bolt can be easily distinguished from the former design by its flange as shown in figure 1 below.

While the tightening sequence for both cylinder head bolt designs remain the same, the actual amount of torque applied is different (Figure 2). Follow the torquing procedures listed below to correctly install either style head bolt:

Standard Bolts

Step 1. Torque all bolts to 55 ft. lbs.
Step 2. Torque all bolts to 72 ft. lbs.
Step 3. Torque bolts 1,3,5,7 & 9 to 80 ft. lbs.

Torque-To-Yield Bolts

Torque all bolts to 25-35 ft. lbs.
Torque all bolts to 45-55 ft. lbs.
Turn all bolts an additional 85-95°

Ford allows the use of either style bolt as long as they are used in complete sets. It is also recommended to replace torque-to-yield bolts, kit Part #F3ZZ-6065-E, every time the head is removed.

For additional information see AERA Technical Bulletin TB 875.

The AERA Technical Committee

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Reference:	
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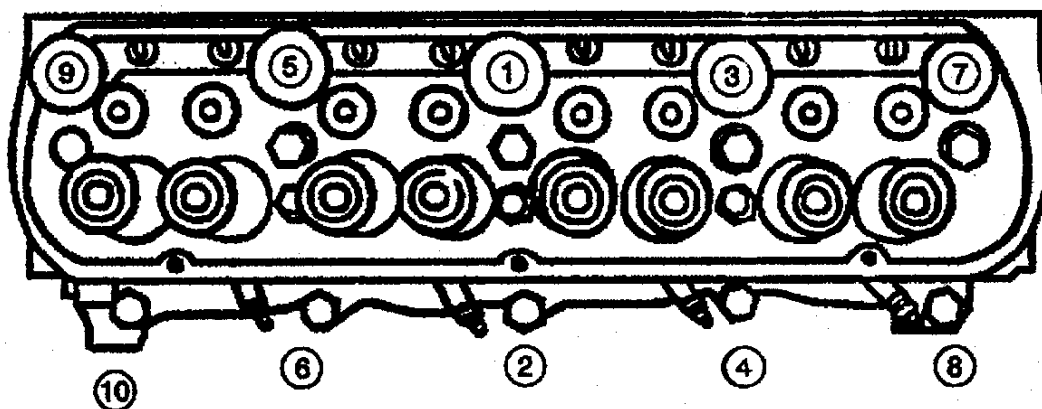


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Bulletin Diagram: Untitled Graphic #2140 for TB 01311



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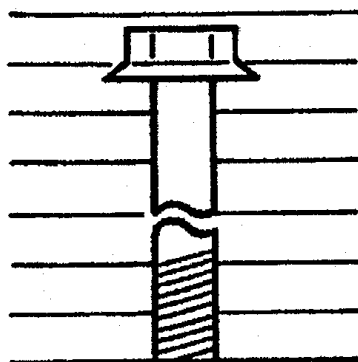
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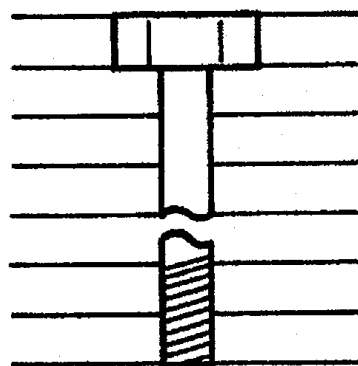
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FLANGED HEX HEAD



NON-FLANGED HEX HEAD

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