

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

TECHNICAL BULLETIN	
	October 2000 TB 1832
Mfg:	TOYOTA
Model:	CELICA
Liter:	1.6L
V I N:	4AFE
Year:	88-97

Piston & Rod Assembly & Rod Bolt Reuse for
1989-99 Toyota 1.6 & 1.8L 4A-FE & 7A-FE Engines

The AERA Technical Committee offers the following information on piston and rod assembly and rod bolt reuse for 1989-99 Toyota 1.6 & 1.8L 4A-FE & 7A-FE engines. This information should be used to correctly assemble the pistons to connecting rods and determine whether a connecting rod bolt should be considered for reuse.

Rod bolts considered for reuse should be free of nicks and burrs and allow easily threading the bolt or nut with one's fingers. To further consider the rod bolts for a 1.6L engine, measure the bolt diameter with a caliper at .590" (14.986 mm) from the bottom of the bolt. If the diameter measured at that location is .3386" (8.6000 mm) or greater the bolt may be reused.

To further consider the rod bolts for a 1.8L engine, measure the bolt diameter with a caliper at .787" (20.000 mm) down from the bottom of the connecting rod bolt head. If the diameter measured at that location is .270" (7.000 mm) or greater the bolt may be reused

To assemble the connecting rods for either engine to the pistons, align the protrusion or front mark on the rod with the front mark located on the piston as shown in the illustrations below.

The AERA Technical Committee

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Reference:	
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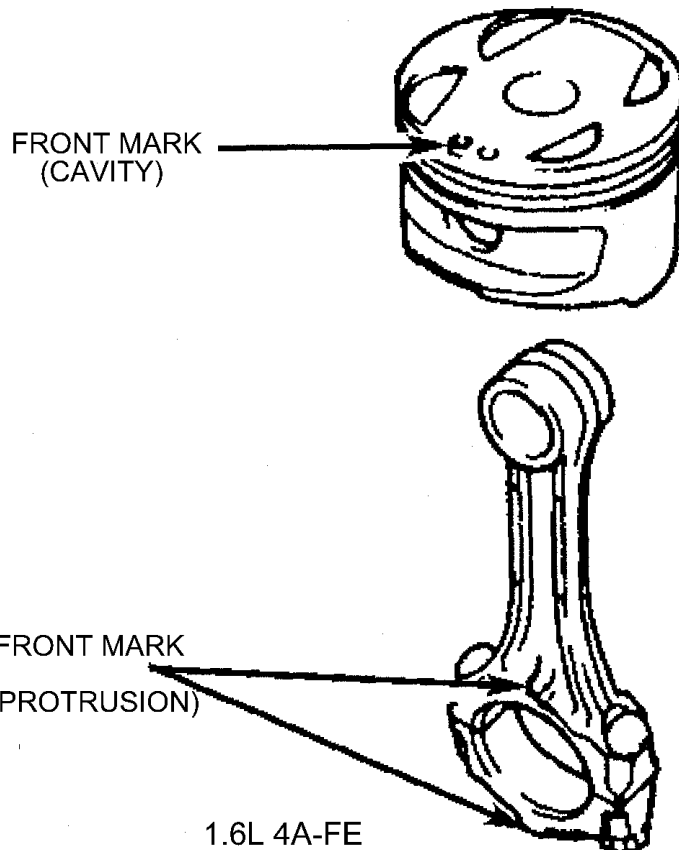
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Bulletin Diagram: TB 1832 Figure 1



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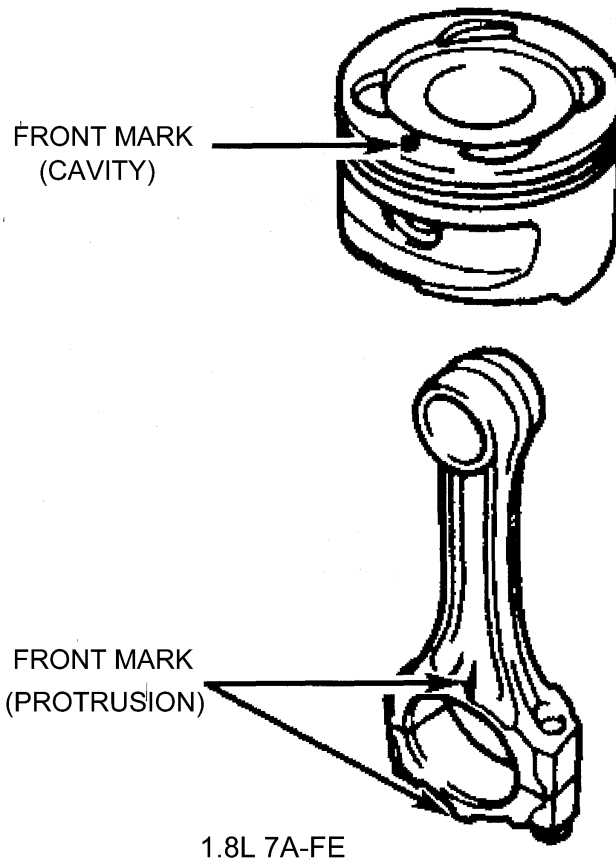
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Bulletin Diagram: TB 1832 Figure 2



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