

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

TECHNICAL BULLETIN		
	October 1998	
	TB 1617	
Mfg:	TOYOTA	
Model:	AVALON	
Liter:	3.0L	
V I N:	1MZFE	
Year:	94-06	

Crankshaft Bearing Caution On
1994-98 Toyota 3.0L 1MZ-FE Engines

The AERA Technical Committee offers the following crankshaft bearing caution for 1994-98 Toyota 3.0L 1MZ-FE engines. Currently, grinding the crankshaft as a repair option may not be a wise consideration. It appears that undersize bearing availability is limited and does not accommodate for grinding operations.

The manufacturer of this engine is currently supplying only standard thickness bearings. They break that down into a selective fitting of four different rod bearings and 5 different main bearings. Refer to the chart below for actual bearing crown thickness. So, currently, it would appear polishing or replacing this crankshaft are the only options available for repair.

Size	Rod Bearing	Main Bearing
"1"	.0584-.0585"	.0979-.0980"
"2"	.0585-.0587"	.0980-.0981"
"3"	.0587-.0588"	.0981-.0982"
"4"	.0588-.0589"	.0982-.0983"
"5"	N/A	.0983-.0985"

Desirable oil clearance for connecting rod bearings is .0015-.0025" and .0010-.0018" for the main bearings.

AERA has spoken to several aftermarket bearing manufacturers and planned production dates for undersize bearings have not been determined as of the date of this publication. One aftermarket bearing supplier has indicated those bearings should be available during the first quarter of 1999.

The AERA Technical Committee

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