

Enginetech Inc
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1-800-410-3664 ext 340 or ext 237

TECHNICAL BULLETIN	
	April 1997 TB 1445
Mfg:	TOYOTA
Model:	4-RUNNER
Liter:	3.0L
V I N:	3V-ZE
Year:	88-95

Engine Resurfacing Guidelines On
1988-94 Toyota 3.0L 3VZE Engines

The AERA Technical Committee offers the following information on engine component resurfacing guidelines for 1988-94 Toyota 3.0L 3VZE engines. Previously, no publication from Toyota existed suggesting or recommending the possibility of resurfacing of the cylinder head or block. Now, under a special policy adjustment, some recommendations have been expressed.

This policy now allows for machining of either the block deck or cylinder head gasket surfaces. The combined head and block machining operations should not exceed .010" (.25 mm).

For cylinder heads that are warped or eroded .004" or more, a maximum of .010" (.25 mm) may be removed from the head gasket surface. The standard cylinder head height is 5.3150" (135 mm), making the minimum height 5.3050" (134.747 mm).

For cylinder blocks that are warped or eroded .002" (.05 mm) or more, a maximum of .010" (.25 mm) may be removed from either block deck. The standard block deck height is 7.4409" (189.0 mm), making the minimum height 7.4309" (188.775 mm).

AERA members have reported some blocks with piston protrusion as high as .015" (.381 mm) above the deck on shortblocks that have not been machined. Those same shops have reported increased head gasket durability after reducing that dimension to less than .005" (.127 mm) above the deck.

The AERA Technical Committee

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