

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

TECHNICAL BULLETIN	
	July 2002 TB 1994
Mfg:	FORD
Model:	CONTOUR
Liter:	2.0L
V I N:	3
Year:	95-05

Excessive Oil Consumption For
1993-97 Ford 2.0L VIN 3 Engines

The AERA Technical Committee offers the following information on excessive oil consumption on 1993-97 Ford 2.0L VIN 3 engines. The cause of oil consumption in these instances is installation of incorrect valve stem seals.

During the 1996 model year a running change was made to the cylinder heads used on these engines with an after manufacturing date of 3-13-1996. Changes were made to the valve guide beginning on 3-14-1996, making it approximately .020" smaller in diameter.

The correct valve stem seal must be used, because of the seals' press fit over the valve guide. Tool #T90P-6510-AH, when used, correctly positions the seal over the valve guide. This press fit is mandatory so no oil can pass between the seal and valve guide.

It is possible to install the earlier, larger ID seal on the later valve guides, which results in excessive oil consumption. If the larger diameter seals are installed on the later production heads and guides engine oil may pass between the seal and valve guide.

The Figure below shows the taller seal used after 3/13/1996 on the left, and the shorter seal before 3/14/1996 on the right.

	After 3/13/1996 taller, "A"	before 3/13/1996 shorter, "B"
Guide side OD	.460"	.480"
Spring seat	.945"	1.000"
Over-all height	.820"	.745"
Valve stem ID	.190"	.200"

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Bulletin Diagram: FIGURE 1, After 3/13/1996 taller "A", Before "B" - CYLINDER HEAD



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