

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

TECHNICAL BULLETIN	
	February 1999 TB 1661
Mfg:	TOYOTA
Model:	CAMRY
Liter:	2.0L
V I N:	3SFE
Year:	87-91

Valve Lash Adjustment Caution On
1989-91 Toyota 2.0L 3SFE Engines

AERA members are cautioned to pay specific attention while adjusting valve lash on 1989-91 Toyota 2.0L 3SFE engines. This engine uses a mechanical camshaft design, which requires periodic adjustment. This caution is expressed for cylinder heads that have encountered a valve job and the valve lash adjustment is being attempted.

It has been reported that the outer edge of the valve stem tip may allow the initial valve lash adjustment to become altered after the engine has been placed back in service. If sufficient chamfer is not re-established on the valve tip after grinding the valve tip, that area of the tip may contact an unworn area of the lifter. During normal engine operation that valve may wear into the worn area of the lifter, altering the previous lash adjustment. As a result of the increased clearance (lash), a noisy valve train results. This noise increases as the engine warms, but may also be heard when the engine temperature is cold.

To prevent this type of condition, it is important to evaluate the lifters condition before reuse and re-establish sufficient chamfer on the valve tip.

Valve Lash Adjustment Specifications

Intake	Exhaust
.006-.010" COLD	.008-.012" COLD

Some AERA members report advising customers to re-adjust valves after 500 miles of operation anytime a valve job has been done.

The AERA Technical Committee

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