

Enginetech Inc
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TECHNICAL BULLETIN	
	July 2003 TB 2086
Mfg:	TOYOTA
Model:	COROLLA
Liter:	1.8L
V I N:	1ZZFE
Year:	98-08

Valve Lash Adjustment For
1998-2003 Toyota 1.8L Engines

The AERA Technical Committee offers the following information regarding valve lash adjustment for 1998-2003 Toyota 1.8L engines. Beginning in the year 2000 Toyota offered two engines with the 1.8L designation. They can be identified first by a 1ZZ-FE (1762 CC) engine, and then a 2ZZ-GE (1794 CC) engine.

The valve lash specification for both exhaust and intake locations is different for the two engines. Refer to the chart below while adjusting valves for these engines.

Years	Engine	Location	Specification
1998-2003	1ZZ-FE	Exhaust	.010-.014" (.25-.35 MM)
	1ZZ-FE	Intake	.006-.010" (.15-.25 MM)
2000-2003	2ZZ-GE	Exhaust	.0087-.0126" (.220-.320 MM)
	2ZZ-GE	Intake	.0031-.0071" (.080-.180 MM)

These engines use different methods of adjusting the clearance; the 1ZZ-FE uses one of thirty-five different thickness lifters, while the 2ZZ-GE uses one of forty-one different lash caps. The 1ZZ-FE also requires camshaft removal to facilitate lifter replacement (lash adjustment). Whereas lash cap replacement is required to perform valve lash adjustment on the 2ZZGE engine.

The AERA Technical Committee

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Reference:	
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