



Engine Make:	Engine Model:	Part Number:
TOYOTA	4A-GE 16v	193-B
Valve Clearance:	Intake: 0.25mm Set COLD at the CAM	
	Exhaust: 0.30mm Set COLD at the CAM	
Cam Lift:	Intake: 9.45mm	Exhaust: 8.80mm
Rocker Ratio:	Intake: 1	Exhaust: 1
Nett Valve Lift:	Intake: 9.20mm	Exhaust: 8.50mm
Advertised Duration @ 0.30mm	Intake: 284	Exhaust: 278
Duration @ 1.00mm VALVE LIFT	Intake: 244	Exhaust: 236
Timing @ 1.00mm VALVE LIFT	IVO: 18 BTDC	EVO 44 BBDC
	IVC: 46 ABDC	EVC 12 ATDC
	Intake: 104 ATDC	Exhaust: 106 BTDC
	Intake: 2.70mm	Exhaust: 2.06

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