

# TOMEI Camshaft Spec Card

PART NAME	PROCAM			ENGINE	CA18DE(T)		
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PART NUMBER	SET	-	IN	1443260092	EX	1444260092
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GRIND	IN	260° / 9.25mm	SOLID	BACE	IN	Φ 29.0	ROCKER ARM RATIO*	-	VALVE CLEARANCE	IN	0.45
	EX	260° / 9.25mm	SOLID		CIRCLE(Φ)	EX				Φ 29.0	WHEN COLD

LIFT	IN	@CAM 9.25mm	@VALVE 8.80mm	LOBE	IN	110.0
	EX	@CAM 9.25mm	@VALVE 8.87mm		CENTER(°)	EX

\* ALL LIFTS ARE BASED ON ZERO LASH AND THORETICAL ROCKER ARM RATIOS

CAM TIMING		OPENS(°)		CLOSES(°)		Actual Duration @ Opening(°)
Actual Duration	IN	BTDC	20.0	ABDC	60.0	260.0
Valve Lift	EX	BBDC	65.0	ATDC	15.0	260.0

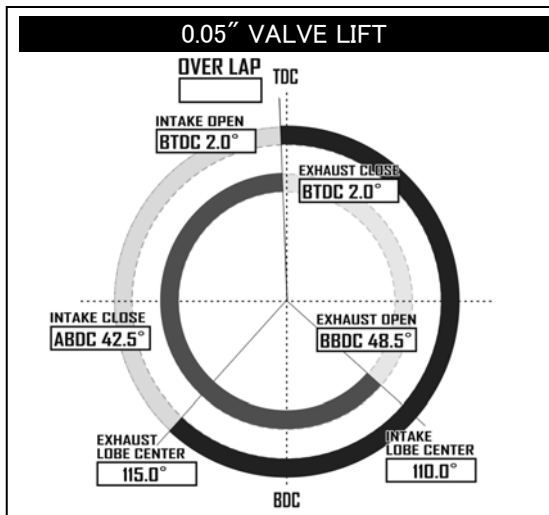
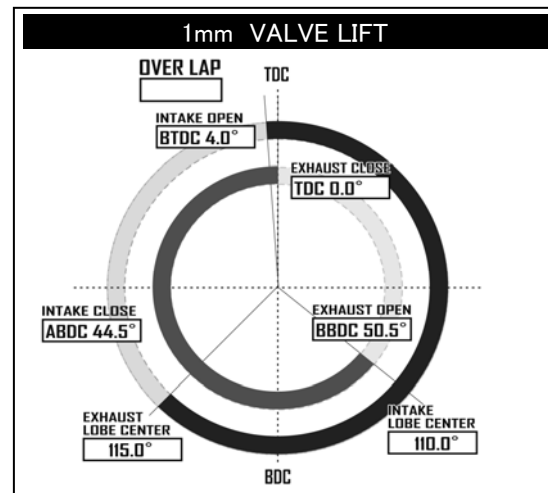
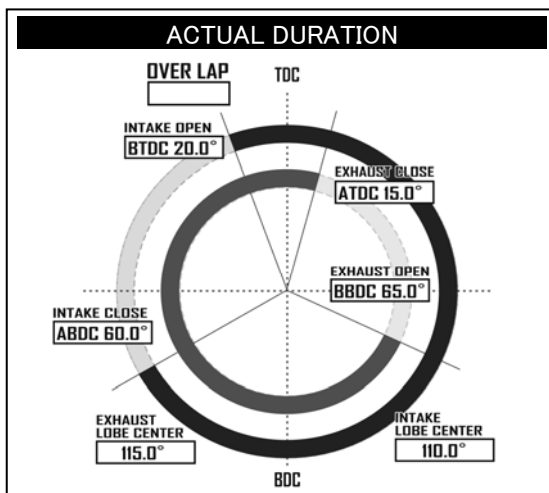
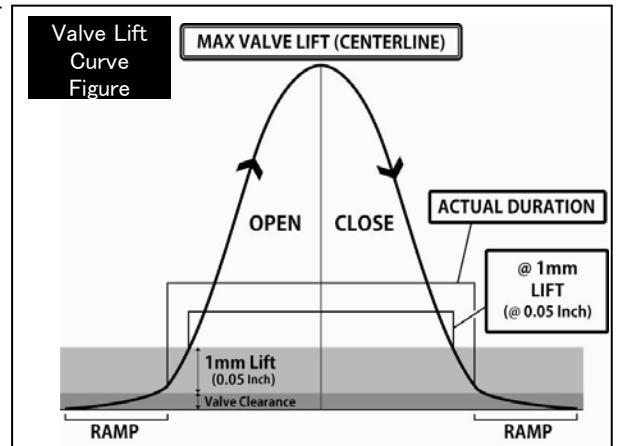
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

CAM TIMING		OPENS(°)		CLOSES(°)		TOTAL DURATION(°)
at 1mm	IN	BTDC	4.0	ABDC	44.5	228.5
Valve Lift	EX	BBDC	50.5	TDC		230.5

Values are of actual duration from start to end of 1mm value points. (Excluding ramp values)

CAM TIMING		OPENS(°)		CLOSES(°)		TOTAL DURATION(°)
at 0.05"	IN	BTDC	2.0	ABDC	42.5	224.5
Valve Lift	EX	BTDC	48.5	BTDC	2.0	226.5

Values are of actual duration from start to end of 0.05" value points. (Excluding ramp values)



REQUIRED VALVE SPRING SPEC	
NOMAL HEIGHT (mm)	41.0
SET LENGTH (mm)	35.0
LIFT LENGTH (mm)	25.0
COMPRESSED HEIGHT (mm)	24.0
SET LOAD (kgf)	24.2 ± 7%
LIFT LOAD (kgf)	80.6 ± 7%
TOMEI PART NUMBER	13203R301

REQUIRED PARTS	
PRODUCT NAME	TOMEI PART NUMBER
SOLID VALVE LIFTERS	163007
SHIMS	
ADJUSTABLE CAM PULLEYS IN	152008
ADJUSTABLE CAM PULLEYS EX	152008