

# TOMEI Camshaft Spec Card

PART NAME **PROCAM** ENGINE **VG30DET(T) for STD Pulley**

PART NUMBER SET - IN 142013 EX 142014

GRIND	IN	270° / 10.25mm	SOLID	BACE	IN	Φ 29.0	ROCKER ARM RATIO*	VALVE CLEARANCE	IN	0.45
	EX	270° / 10.25mm	SOLID	CIRCLE(Φ)	EX	Φ 29.0	-	WHEN COLD	EX	0.38

LIFT	IN	@CAM 10.25mm	@VALVE 9.80mm	LOBE	IN	115.0
	EX	@CAM 10.25mm	@VALVE 9.87mm	CENTER(°)	EX	115.0

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

CAM TIMING		OPENS(°)	CLOSES(°)	Actual Duration @ Opening(°)
Actual Duration	IN	BTDC 19.0	ABDC 71.0	270.0
Valve Lift	EX	BBDC 69.0	ATDC 21.0	270.0

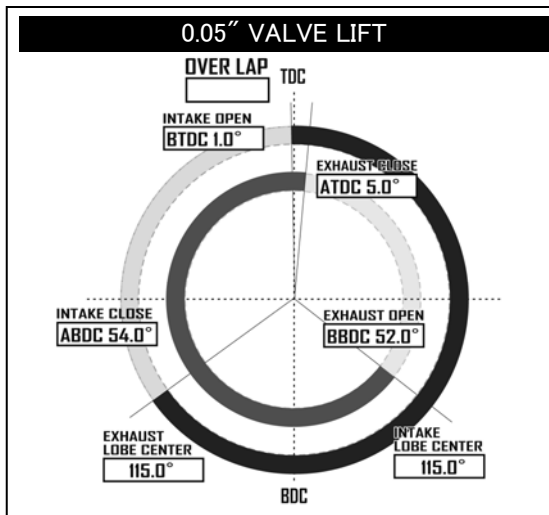
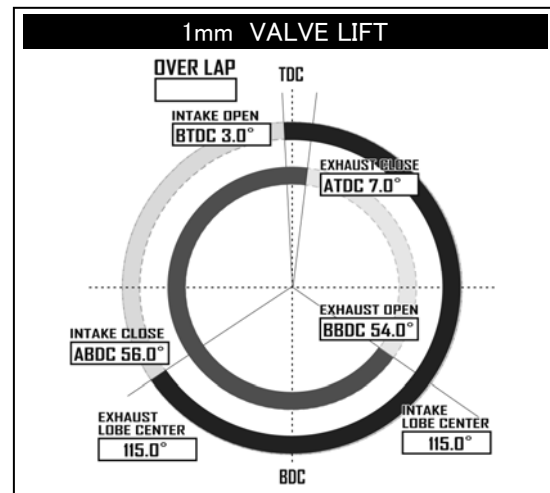
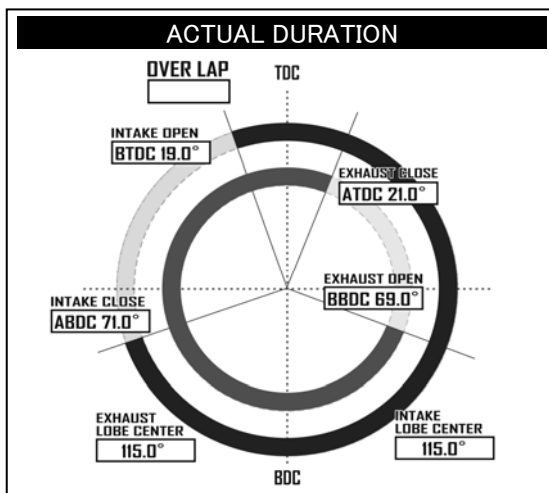
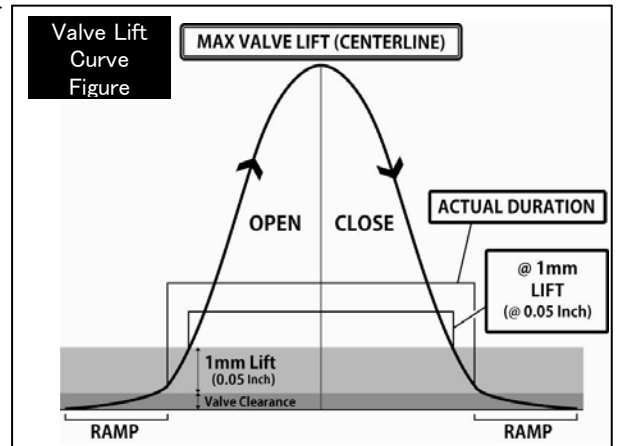
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

CAM TIMING		OPENS(°)	CLOSES(°)	TOTAL DURATION(°)
at 1mm	IN	BTDC 3.0	ABDC 56.0	239.0
Valve Lift	EX	BBDC 54.0	ATDC 7.0	241.0

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 1.0	ABDC 54.0	235.0
Valve Lift	EX	BBDC 52.0	ATDC 5.0	237.0

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	13203R800

REQUIRED PARTS	
PRODUCT NAME	TOMEI PART NUMBER
SOLID VALVE LIFTERS	163006
SHIMS	