

TOMEI Camshaft Spec Card

PART NAME **PROCAM** ENGINE **VR38DETT**

PART NUMBER **SET - IN 142051 EX 142052**

GRIND **IN 280° / 11.30mm SOLID BACE IN Φ35.4 ROCKER ARM RATIO* VALVE CLEARANCE IN 0.30**
EX 280° / 11.00mm SOLID CIRCLE(Φ) EX Φ35.4 - WHEN COLD EX 0.33

LIFT **IN @CAM 11.30mm @VALVE 11.00mm LOBE IN 124.0**
EX @CAM 11.00mm @VALVE 10.67mm 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	16.0	ABDC	84.0	280.0
Valve Lift	EX	BBDC	75.0	ATDC	25.0	280.0

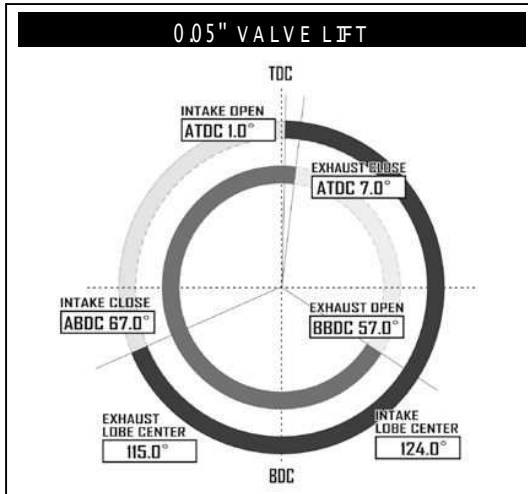
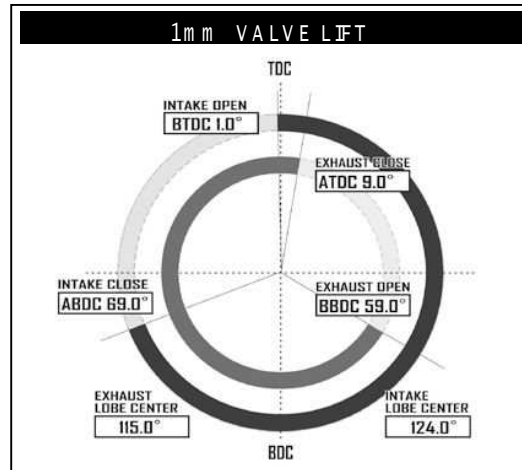
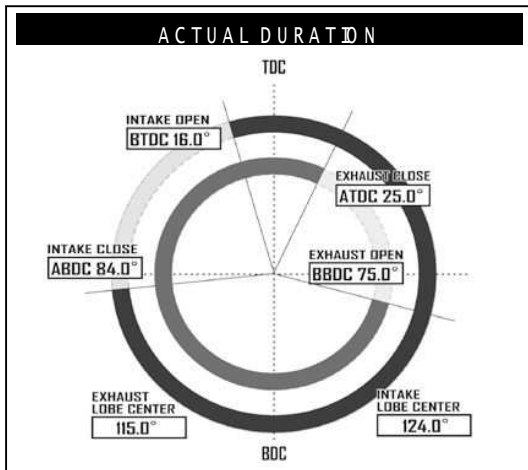
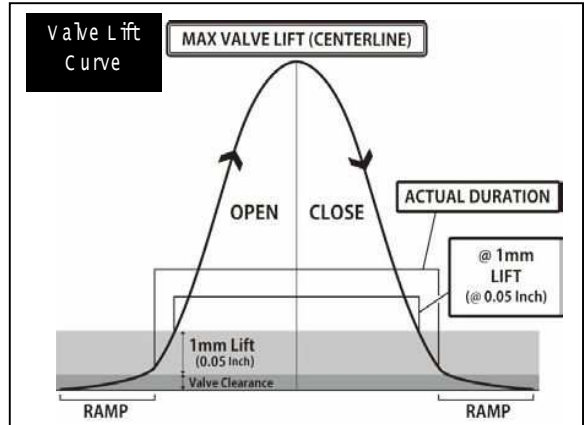
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

CAM TIMING		OPENS(°)		CLOSES(°)		TOTAL DURATION(°)
at 1mm	IN	BTDC	1.0	ABDC	69.0	250.0
Valve Lift	EX	BBDC	59.0	ATDC	9.0	248.0

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	ATDC	1.0	ABDC	67.0	246.0
Valve Lift	EX	BBDC	57.0	ATDC	7.0	244.0

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



REQUIRED VALVE SPRING SPEC	
NOMAL HEIGHT	IN 45.1mm EX 46.2mm
SET LENGTH	IN 36.6mm EX 33.7mm
LIFT LENGTH	IN 25.4mm EX 22.5mm
COMPRESSED HEIGHT	IN 24.3mm EX 21.5mm
SET LOAD	IN 23.5kgf± 7% EX 34.0kgf± 7%
LIFT LOAD	IN 76.5kgf± 7% EX 77.0kgf± 7%
TOMEI PART NUMBER	163052

REQUIRED PARTS	
PRODUCT NAME	TOMEI PART NUMBER