

TOMEI Camshaft Spec Card

PART NAME **PONCAM / PROCAM** ENGINE **VR38DETT**

PART NUMBER SET 143069 IN 142047 EX 142048

GRIND IN 256° / 10.25mm SOLID BACE IN Φ 35.4 ROCKER ARM RATIO* VALVE CLEARANCE IN 0.30
 EX 264° / 10.50mm SOLID CIRCLE(Φ) EX Φ 34.4 - WHEN COLD EX 0.33

LIFT IN @CAM 10.25mm @VALVE 9.95mm LOBE IN 124.0
 EX @CAM 10.50mm @VALVE 10.17mm 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 4.0	ABDC 72.0	256.0
Valve Lift	EX	BBDC 67.0	ATDC 17.0	264.0

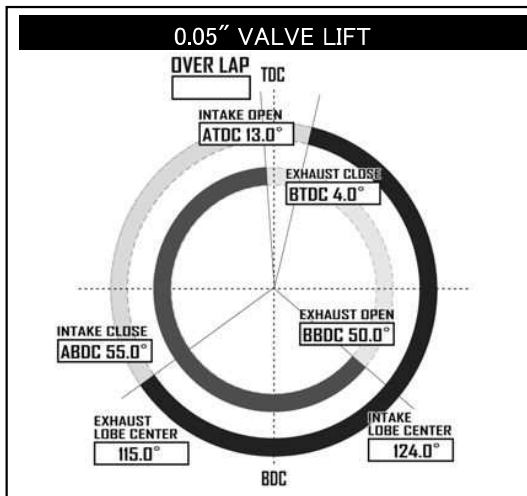
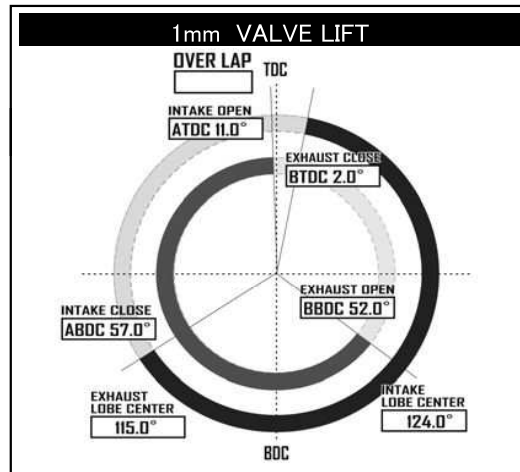
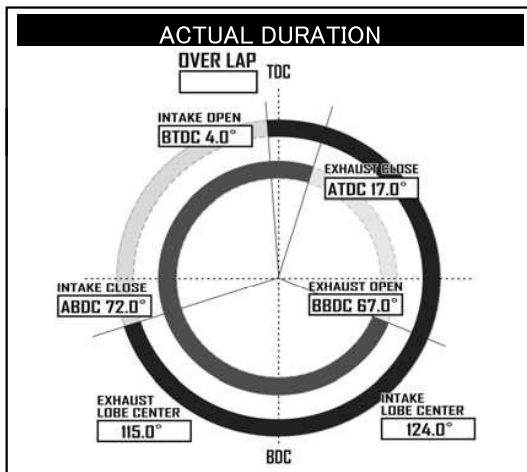
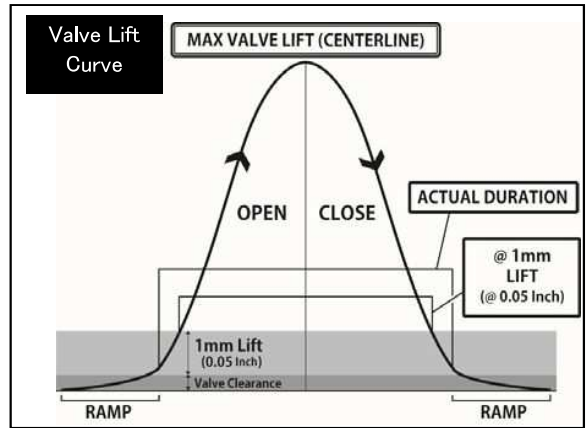
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

CAM TIMING		OPENS(°)	CLOSES(°)	TOTAL DURATION(°)
at 1mm	IN	ATDC 11.0	ABDC 57.0	226.0
Valve Lift	EX	BBDC 52.0	BTDC 2.0	230.0

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 13.0	ABDC 55.0	222.0
Valve Lift	EX	BBDC 50.0	BTDC 4.0	226.0

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



REQUIRED VALVE SPRING SPEC		
NOMAL HEIGHT	STD or	IN 45.1 EX 46.2
SET LENGTH		36.6 33.7
LIFT LENGTH		25.4 22.5
COMPRESSED HEIGHT		24.3 21.5
SET LOAD		23.5±7% 34.0±7%
LIFT LOAD		76.5±7% 77.0±5%
TOMEI PART NUMBER		163052

REQUIRED PARTS	
PRODUCT NAME	TOMEI PART NUMBER