

# TOMEI Camshaft Spec Card

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

PART NUMBER **SET** IN **142055** EX **142048**

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

LIFT IN **@CAM 10.50mm @VALVE 10.20mm** 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 8.0	ABDC 76.0	264.0
Valve Lift	EX	BBDC 67.0	ATDC 17.0	264.0

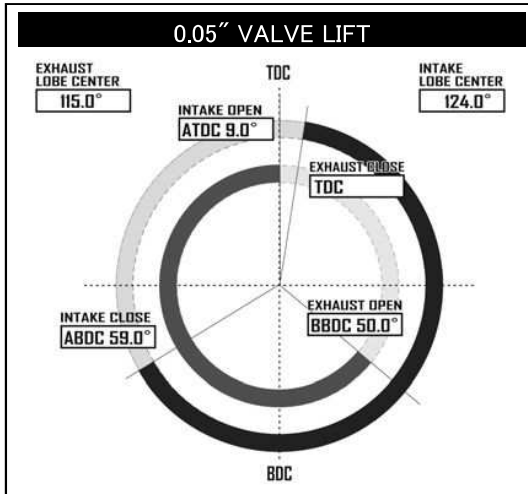
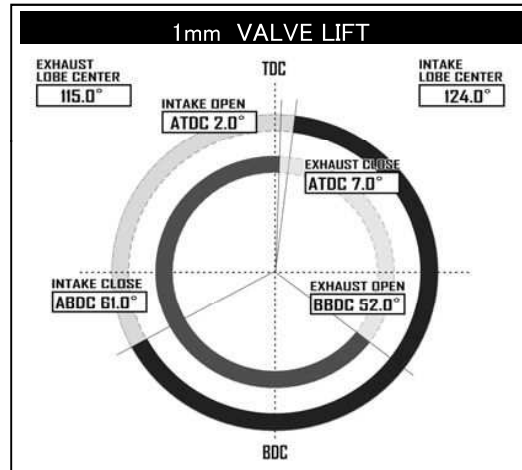
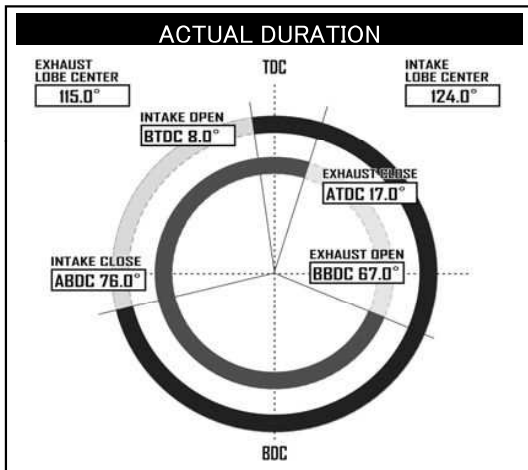
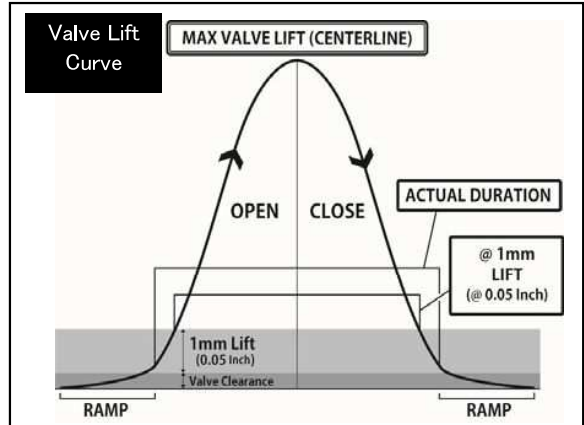
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

CAM TIMING		OPENS(°)	CLOSES(°)	TOTAL DURATION(°)
at 1mm	IN	ATDC 7.0	ABDC 61.0	234.0
Valve Lift	EX	BBDC 52.0	ATDC 2.0	234.0

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 9.0	ABDC 59.0	230.0
Valve Lift	EX	BBDC 50.0	TDC	230.0

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