

# TOMEI Camshaft Spec Card

PART NAME **PROCAM** ENGINE **VQ35DE LATEmodel (-07.01)**

PART NUMBER **SET - IN 142033 EX 142034**

GRIND **IN 272° / 10.80mm - BACE IN Φ35.4** **ROCKER ARM RATIO\* -** **VALVE CLEARANCE IN 0.30**  
**EX 272° / 10.80mm - CIRCLE(Φ) EX Φ35.4** **WHEN COLD EX 0.33**

LIFT **IN @CAM 10.80mm @VALVE 10.50mm** **LOBE IN 125.0**  
**EX @CAM 10.80mm @VALVE 10.47mm** **CENTER(°) EX 126.0**

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

CAM TIMING		OPENS(°)	CLOSES(°)	Actual Duration @ Opening(°)
Actual Duration	IN	BTDC 11.0	ABDC 81.0	272.0
Valve Lift	EX	BBDC 82.0	ATDC 10.0	272.0

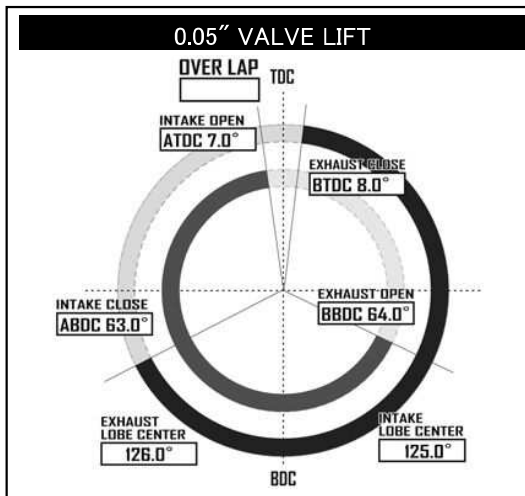
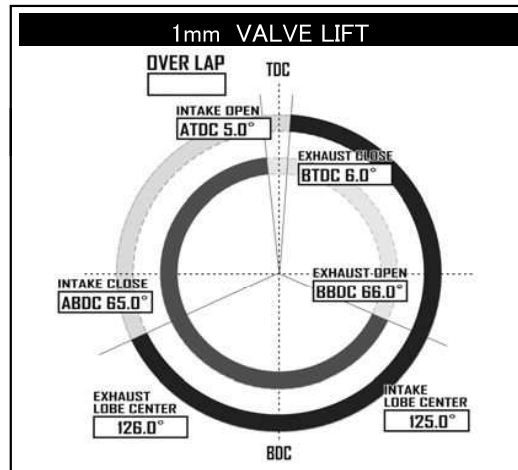
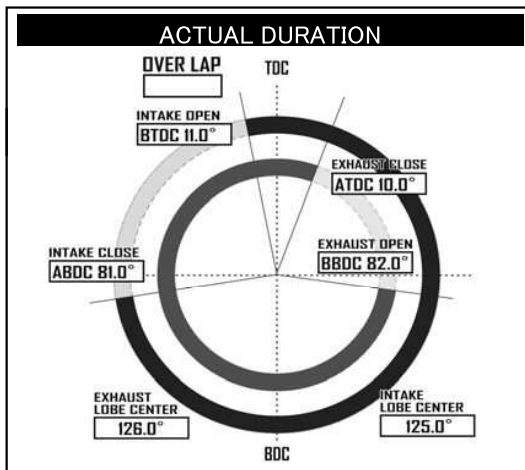
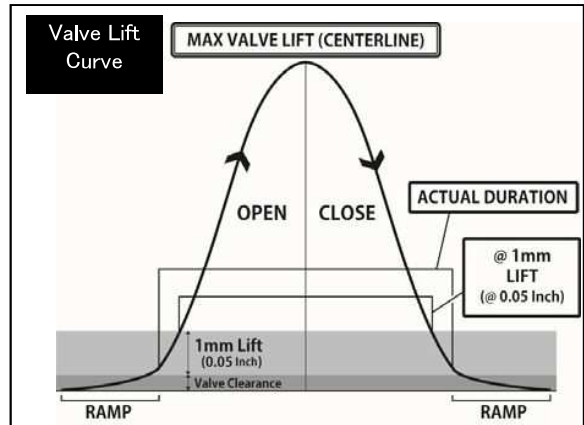
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

CAM TIMING		OPENS(°)	CLOSES(°)	TOTAL DURATION(°)
at 1mm	IN	ATDC 5.0	ABDC 65.0	240.0
Valve Lift	EX	BBDC 66.0	BTDC 6.0	240.0

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 7.0	ABDC 63.0	236.0
Valve Lift	EX	BBDC 64.0	BTDC 8.0	236.0

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



REQUIRED VALVE SPRING SPEC	
NOMAL HEIGHT	49.1
SET LENGTH	37.0
LIFT LENGTH	26.0
COMPRESSED HEIGHT	25.0
SET LOAD	24.0 ±6%
LIFT LOAD	56.8 ±6%
TOMEI PART NUMBER	163037

REQUIRED PARTS	
PRODUCT NAME	TOMEI PART NUMBER

**TOMEI**  
The Engine Specialist