

# TOMEI Camshaft Spec Card

PART NAME **PROCAM** ENGINE **VQ35DE EARLY model (-05.09)**

PART NUMBER **SET** - **IN** 142029 **EX** 142030

GRIND **IN** 272° / 10.50mm - **BACE** **IN**  $\Phi$  35.4 **ROCKER ARM RATIO\*** **VALVE CLEARANCE** **IN** 0.30  
**EX** 272° / 10.50mm - **CIRCLE( $\Phi$ )** **EX**  $\Phi$  35.4 - **WHEN COLD** **EX** 0.33

LIFT **IN** @CAM 10.50mm @VALVE 10.20mm **LOBE** **IN** 125.0  
**EX** @CAM 10.50mm @VALVE 10.17mm **CENTER(°)** **EX** 112.0

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

CAM TIMING		OPENS(°)		CLOSES(°)		Actual Duration @ Opening(°)
Actual Duration	<b>IN</b>	BTDC	11.0	ABDC	81.0	272.0
Valve Lift	<b>EX</b>	BBDC	68.0	ATDC	24.0	272.0

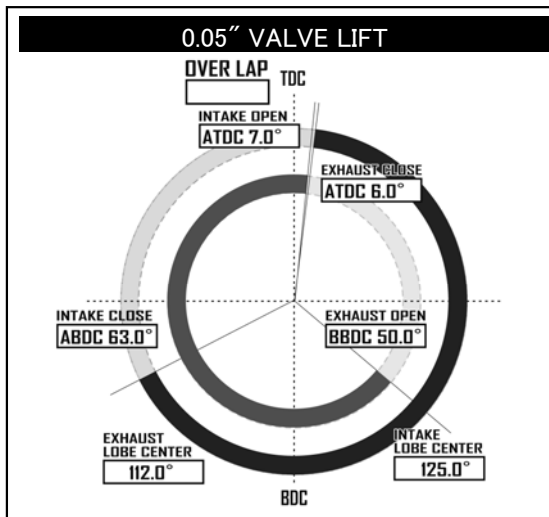
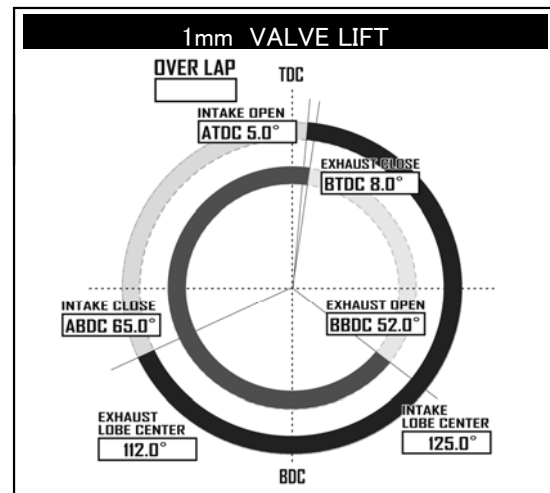
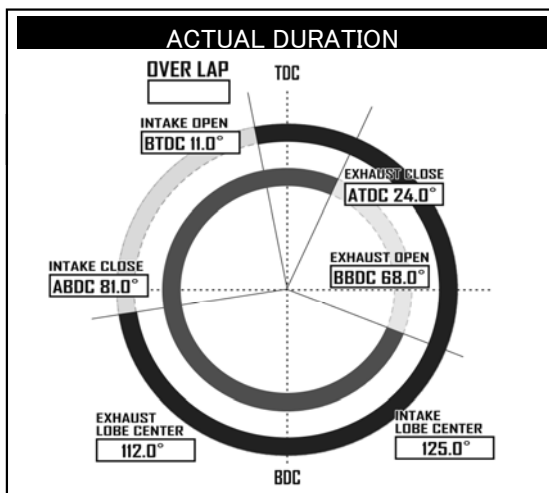
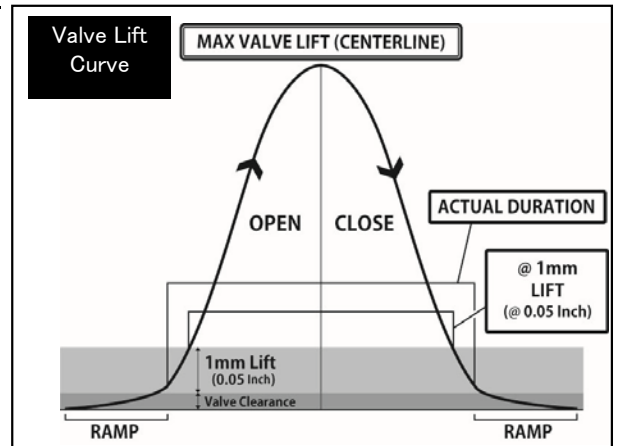
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

CAM TIMING		OPENS(°)		CLOSES(°)		TOTAL DURATION(°)
at 1mm	<b>IN</b>	ATDC	5.0	ABDC	65.0	240.0
Valve Lift	<b>EX</b>	BBDC	52.0	ATDC	8.0	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"	<b>IN</b>	ATDC	7.0	ABDC	63.0	236.0
Valve Lift	<b>EX</b>	BBDC	50.0	ATDC	6.0	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