

# TOMEI Camshaft Spec Card

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

PART NUMBER **SET 143063 IN 142015 EX 142016**

GRIND **IN 256° / 10.20mm - BACE IN Φ35.4 ROCKER ARM RATIO\* - VALVE CLEARANCE IN 0.30**  
**EX 256° / 10.20mm - CIRCLE(Φ) EX Φ35.4 WHEN COLD EX 0.33**

LIFT **IN @CAM 10.20mm @VALVE 9.90mm LOBE IN 125.0**  
**EX @CAM 10.20mm @VALVE 9.87mm 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	IN	BTDC 3.0	ABDC 73.0	256.0
Valve Lift	EX	BBDC 60.0	ATDC 16.0	256.0

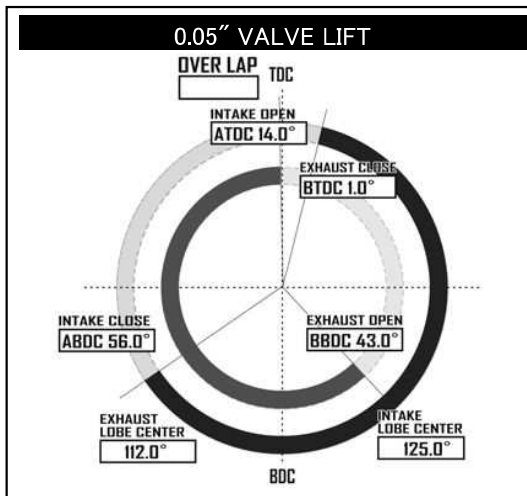
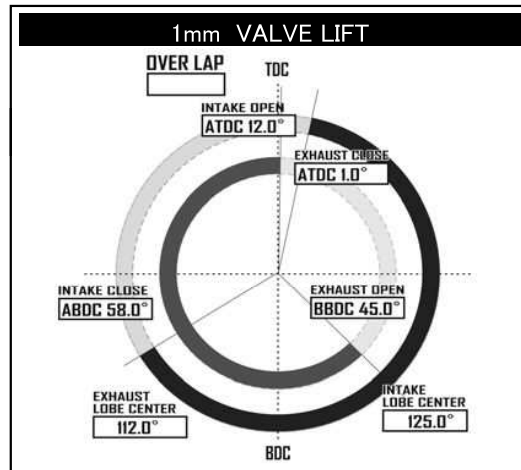
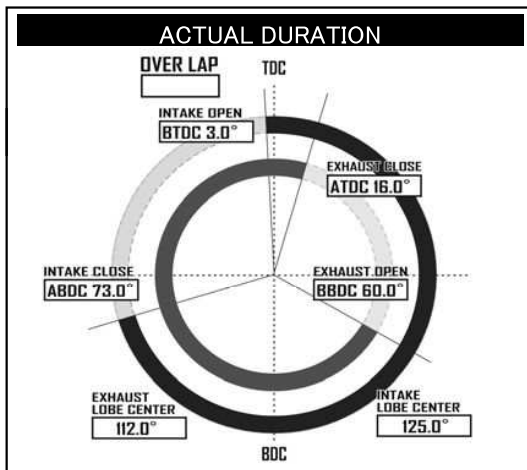
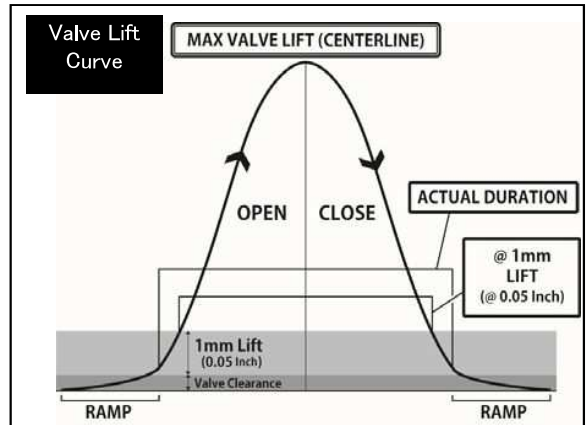
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

CAM TIMING		OPENS(°)	CLOSES(°)	TOTAL DURATION(°)
at 1mm	IN	ATDC 12.0	ABDC 58.0	226.0
Valve Lift	EX	BBDC 45.0	ATDC 1.0	226.0

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 14.0	ABDC 56.0	222.0
Valve Lift	EX	BBDC 43.0	BTDC 1.0	222.0

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 49.1
SET LENGTH	STD or 37.0
LIFT LENGTH	STD or 26.0
COMPRESSED HEIGHT	STD or 25.0
SET LOAD	STD or 24.0 ±6%
LIFT LOAD	STD or 56.8 ±6%
TOMEI PART NUMBER	STD or 163037

REQUIRED PARTS	
PRODUCT NAME	TOMEI PART NUMBER

**TOMEI**  
The Engine Specialist