

TOMEI Camshaft Spec Card

PART NAME **PONCAM / PROCAM** ENGINE **VQ35HR**

PART NUMBER SET 143065 IN 142039 EX 142040

GRIND IN 264° / 10.80mm - BACE IN Φ 35.4 ROCKER ARM RATIO* - VALVE CLEARANCE IN 0.30
 EX 264° / 10.80mm - CIRCLE(Φ) EX Φ 35.4 WHEN COLD EX 0.33

LIFT IN @CAM 10.80mm @VALVE 10.50mm LOBE IN 122.0
 EX @CAM 10.80mm @VALVE 10.47mm CENTER(°) EX 124.0

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

CAM TIMING		OPENS(°)	CLOSES(°)	Actual Duration @ Opening(°)
Actual Duration	IN	BTDC 10.0	ABDC 74.0	264.0
Valve Lift	EX	BBDC 76.0	ATDC 8.0	264.0

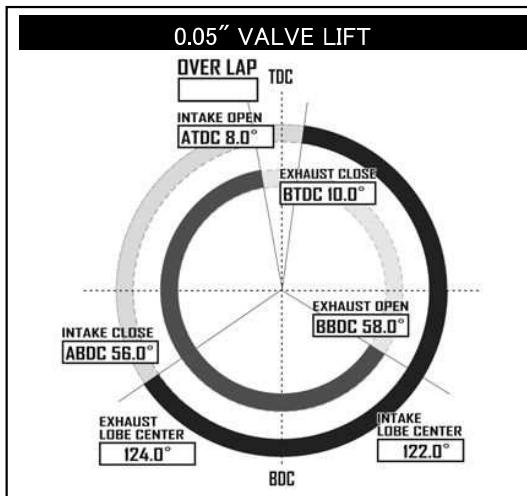
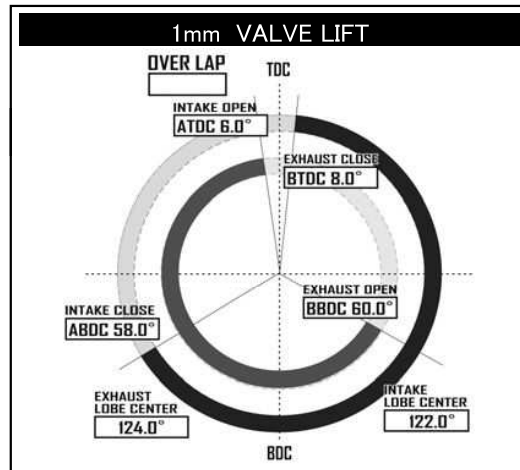
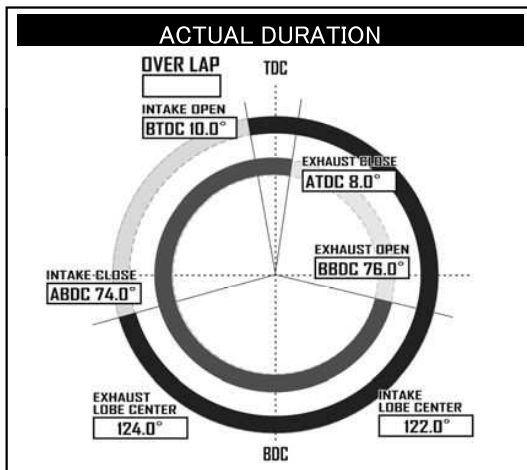
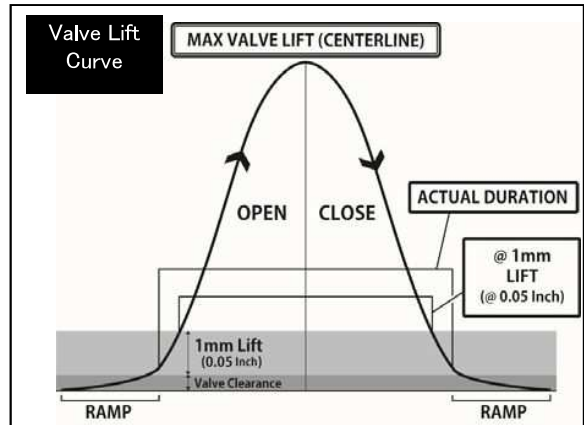
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

CAM TIMING		OPENS(°)	CLOSES(°)	TOTAL DURATION(°)
at 1mm	IN	ATDC 6.0	ABDC 58.0	232.0
Valve Lift	EX	BBDC 60.0	BTDC 8.0	232.0

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 8.0	ABDC 56.0	228.0
Valve Lift	EX	BBDC 58.0	BTDC 10.0	228.0

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