

# TOMEI Camshaft Spec Card

PART NAME **PROCAM** ENGINE **VQ35HR**

PART NUMBER SET - IN 142041 EX 142042

GRIND	IN	272° / 10.80mm	-	BACE	IN	Φ 35.4	ROCKER ARM RATIO*	-	VALVE CLEARANCE	IN	0.30
	EX	272° / 10.80mm	-		CIRCLE(Φ)	EX				Φ 35.4	WHEN COLD

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

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

CAM TIMING		OPENS(°)		CLOSES(°)		Actual Duration @ Opening(°)
Actual Duration	IN	BTDC	14.0	ABDC	78.0	272.0
Valve Lift	EX	BBDC	80.0	ATDC	12.0	272.0

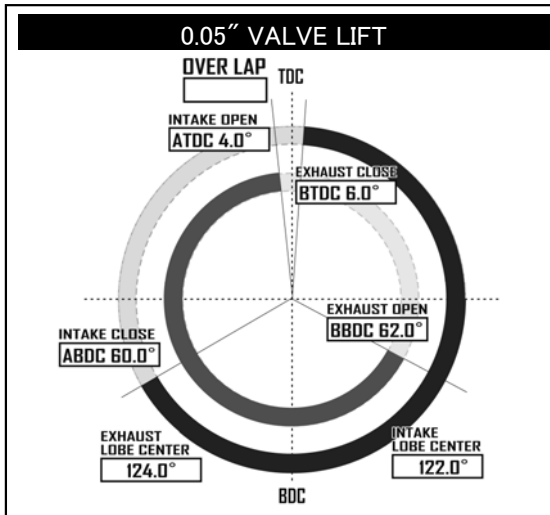
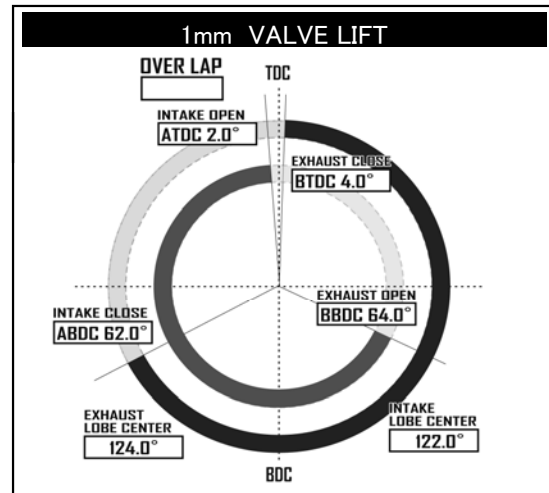
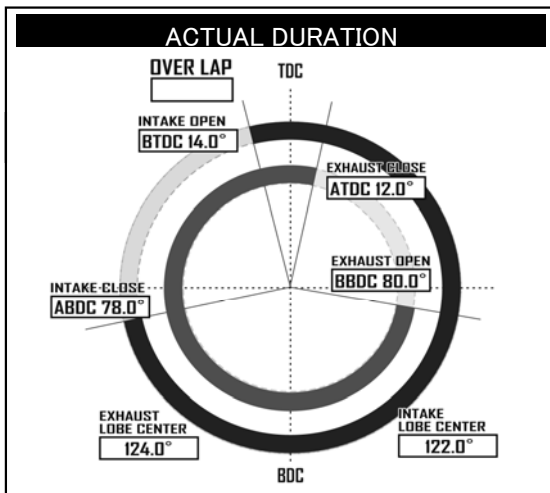
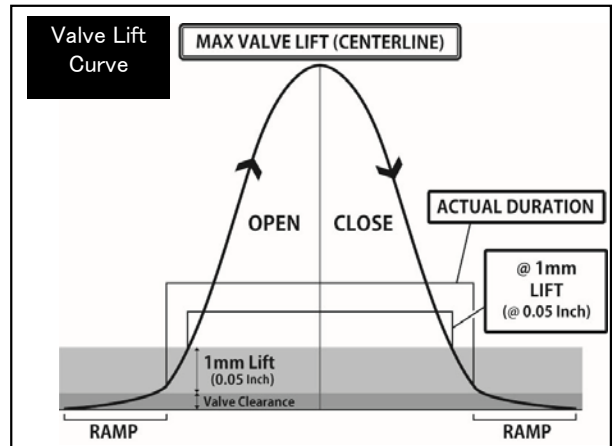
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

CAM TIMING		OPENS(°)		CLOSES(°)		TOTAL DURATION(°)
at 1mm	IN	ATDC	2.0	ABDC	62.0	240.0
Valve Lift	EX	BBDC	64.0	BTDC	4.0	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	4.0	ABDC	60.0	236.0
Valve Lift	EX	BBDC	62.0	BTDC	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