

# TOMEI Camshaft Spec Card

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

PART NUMBER **SET** - **IN** **142027** **EX** **142028**

GRIND	IN	280° / 11.30mm	-	BACE	IN	Φ 35.4	ROCKER ARM RATIO*	-	VALVE CLEARANCE	IN	0.30
	EX	280° / 11.00mm	-		CIRCLE(Φ)	EX				Φ 35.4	WHEN COLD

LIFT	IN	@CAM 11.30mm	@VALVE 11.00mm	LOBE	IN	125.0
	EX	@CAM 11.00mm	@VALVE 10.67mm		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	15.0	ABDC	85.0	280.0
Valve Lift	EX	BBDC	72.0	ATDC	28.0	280.0

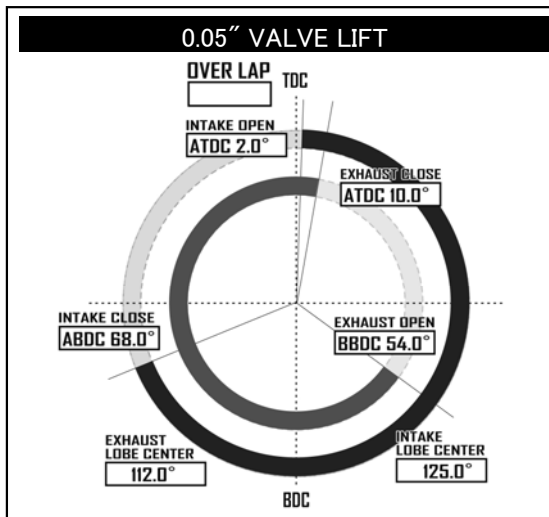
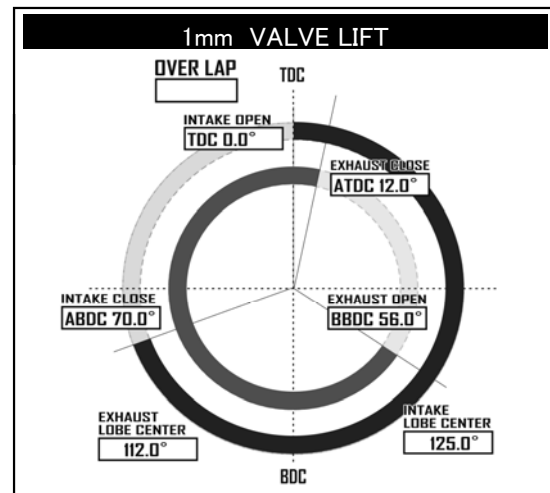
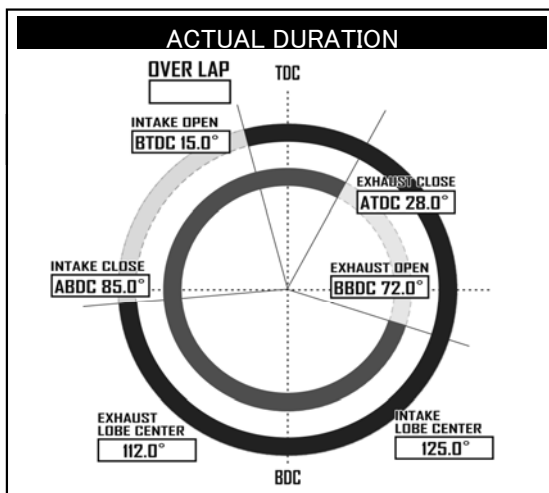
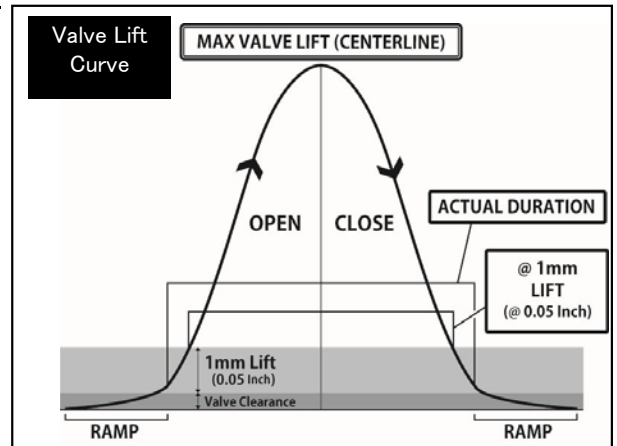
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

CAM TIMING		OPENS(°)		CLOSES(°)		TOTAL DURATION(°)
at 1mm	IN	TDC		ABDC	70.0	250.0
Valve Lift	EX	BBDC	56.0	ATDC	12.0	248.0

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	2.0	ABDC	68.0	246.0
Valve Lift	EX	BBDC	54.0	ATDC	10.0	244.0

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