

# TOMEI Camshaft Spec Card

The Engine Specialist

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

PART NUMBER SET **TA301A-NS03B** IN **TA301C-NS03B** EX **TA301E-NS03B**

GRIND	IN	274° /11.30mm	-
	EX	274° /11.00mm	-

LIFT	IN	@CAM 11.30mm	@VALVE 11.00mm
	EX	@CAM 11.00mm	@VALVE 10.67mm

LOBE CENTER(°)	IN	122.0
	EX	124.0

BASE CIRCLE	IN	Φ 35.4
	EX	Φ 35.4

VALVE CLEARANCE WHEN COLD	IN	0.30
	EX	0.33

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

CAM TIMING		OPENS(°)		CLOSES(°)		Actual Duration @ Opening(°)
Actual Duration Valve Lift	IN	BTDC	15.0	ABDC	79.0	274.0
	EX	BBDC	81.0	ATDC	13.0	274.0

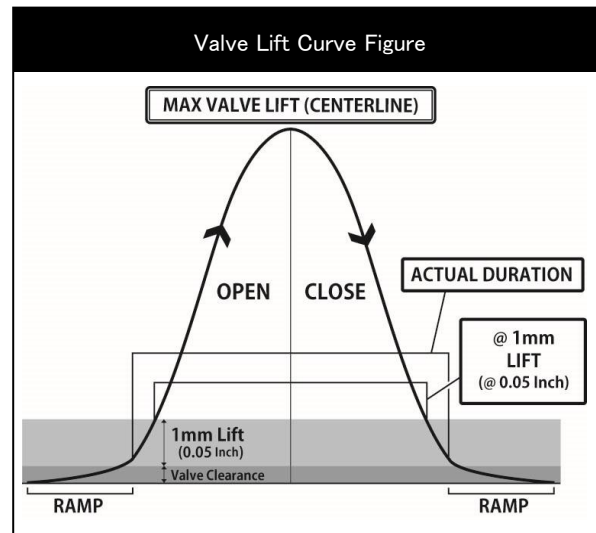
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

CAM TIMING		OPENS(°)		CLOSES(°)		TOTAL DURATION(°)
at 1mm Valve Lift	IN	ATDC	1.0	ABDC	63.0	242.0
	EX	BBDC	65.0	BTDC	3.0	242.0

Values are of actual duration from start to end of 1mm value points. (Excluding the ramp values)

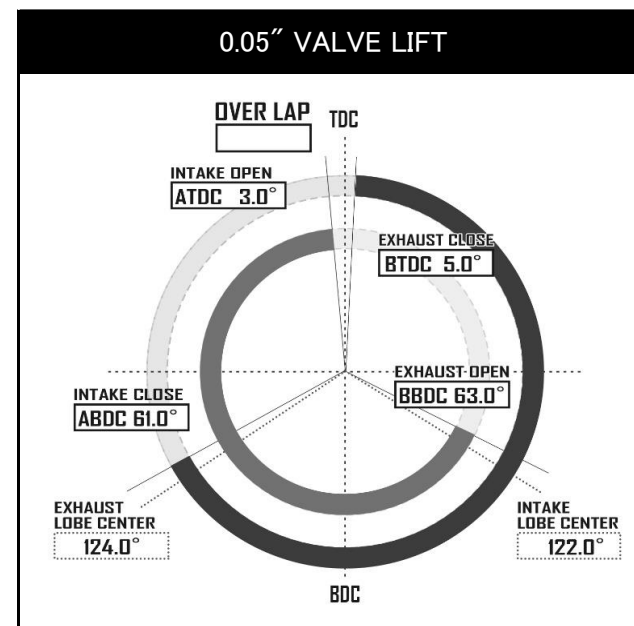
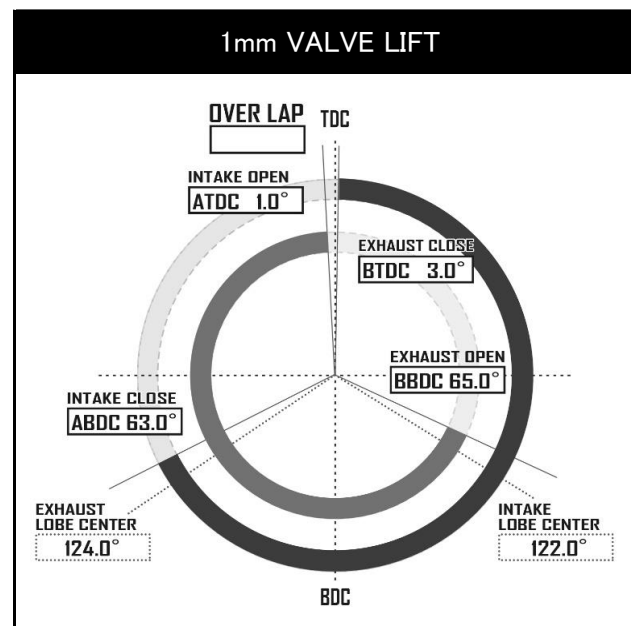
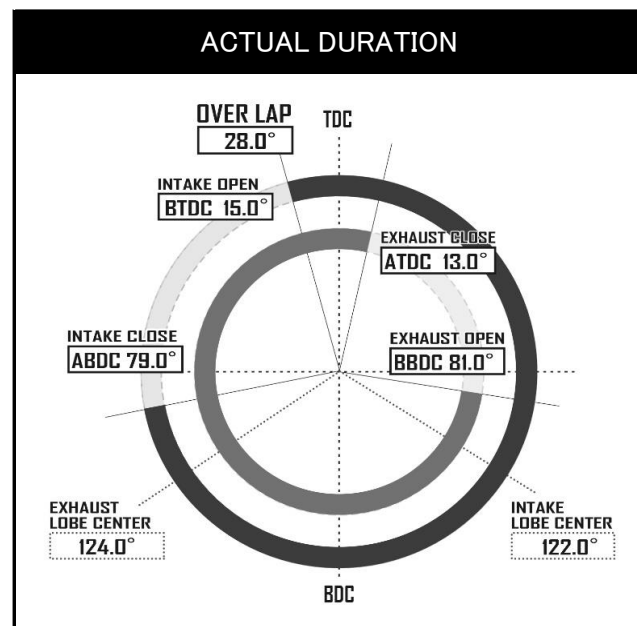
CAM TIMING		OPENS(°)		CLOSES(°)		TOTAL DURATION(°)
at 0.05" Valve Lift	IN	ATDC	3.0	ABDC	61.0	238.0
	EX	BBDC	63.0	BTDC	5.0	238.0

Values are of actual duration from start to end of 0.05" value points. (Excluding the ramp values)



REQUIRED VALVE SPRING SPEC	
NORMAL 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%
PART NUMBER	TA304A-NS02A

REQUIRED PARTS	
PRODUCT NAME	PART NUMBER



Dowel pin position when first cam lobe is pointing upwards.

IN

EX

