

TOMEI Camshaft Spec Card

PART NAME **PROCAM** ENGINE **RB25DE(T) R33 Early Model**

PART NUMBER **SET** - **IN** **1417270102** **EX** **1418270102**

※ R33 Early / Late model compatible

GRIND	IN	270° / 10.25mm	SOLID	BACE	IN	Φ29.0	ROCKER ARM RATIO*	VALVE CLEARANCE	IN	0.45
	EX	270° / 10.25mm	SOLID	CIRCLE(Φ)	EX	Φ29.0	-	WHEN COLD	EX	0.38

LIFT	IN	@CAM 10.25mm	@VALVE 9.80mm	LOBE	IN	110.0
	EX	@CAM 10.25mm	@VALVE 9.87mm	CENTER(°)	EX	115.0

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

CAM TIMING		OPENS(°)	CLOSES(°)	Actual Duration @ Opening (°)
Actual Duration	IN	BTDC 24.0	ABDC 66.0	270.0
Valve Lift	EX	BBDC 69.0	ATDC 21.0	270.0

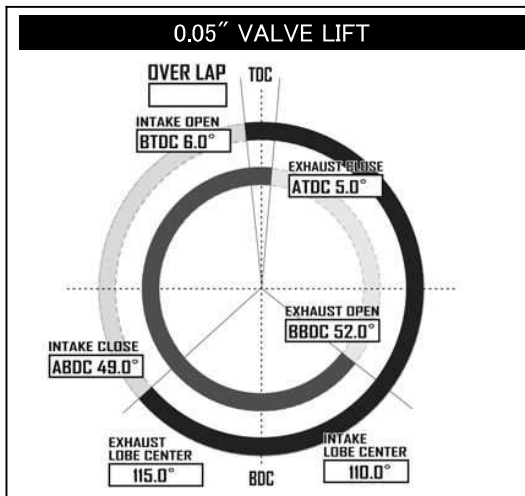
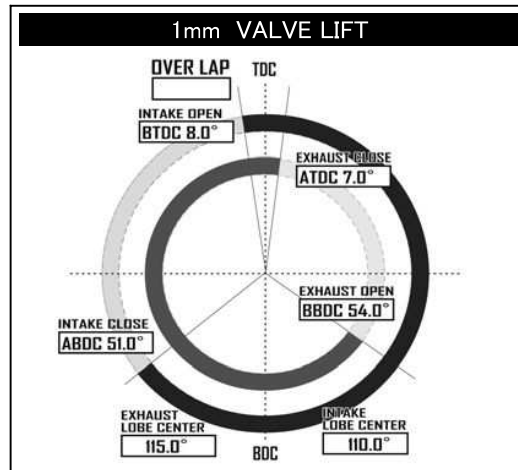
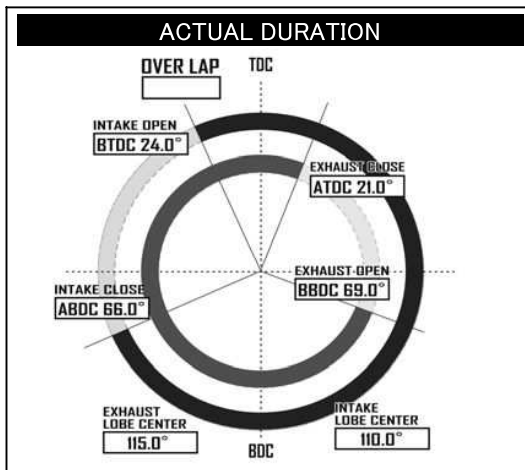
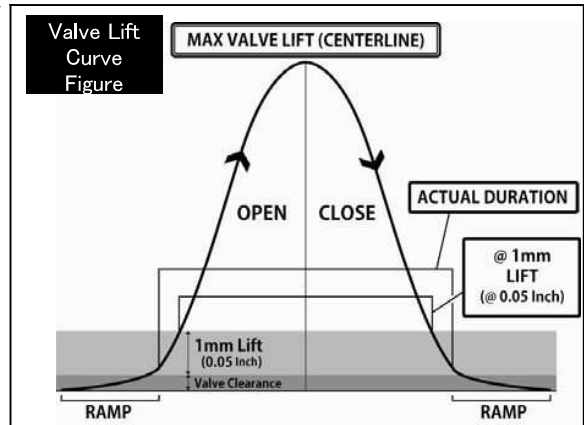
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

CAM TIMING		OPENS(°)	CLOSES(°)	TOTAL DURATION(°)
at 1mm	IN	BTDC 8.0	ABDC 51.0	239.0
Valve Lift	EX	BBDC 54.0	ATDC 7.0	241.0

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	BTDC 6.0	ABDC 49.0	235.0
Valve Lift	EX	BBDC 52.0	ATDC 5.0	237.0

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



REQUIRED VALVE SPRING SPEC		
NOMAL HEIGHT (mm)	IN 41.0	EX 44.5
SET LENGTH (mm)	35.0	34.4
LIFT LENGTH (mm)	25.0	25.6
COMPRESSED HEIGHT (mm)	24.0	22.8
SET LOAD (kgf)	24.2 ± 7%	38.5
LIFT LOAD (kgf)	80.6 ± 7%	72.0 ± 5%
TOMEI PART NUMBER	163022	

REQUIRED PARTS	
PRODUCT NAME	TOMEI PART NUMBER
SOLID VALVE LIFTERS	163006
SHIMS	
ADJUSTABLE CAM PULLEYS IN	152009
ADJUSTABLE CAM PULLEYS EX	152010
VALVE SPRINGS TYPE-B	163022

TOMEI
The Engine Specialist