

# TOMEI Camshaft Spec Card

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

PART NUMBER **SET** - **IN** **1417260102** **EX** **1419260102**  
※ R33 Early / Late model compatible

GRIND **IN** **260° / 10.25mm** **SOLID** **BACE** **IN** **Φ29.0** **ROCKER ARM RATIO\*** **VALVE CLEARANCE** **IN** **0.45**  
**EX** **260° / 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 Valve Lift	IN	BTDC 18.0	ABDC 62.0	260.0
	EX	BBDC 63.0	ATDC 17.0	260.0

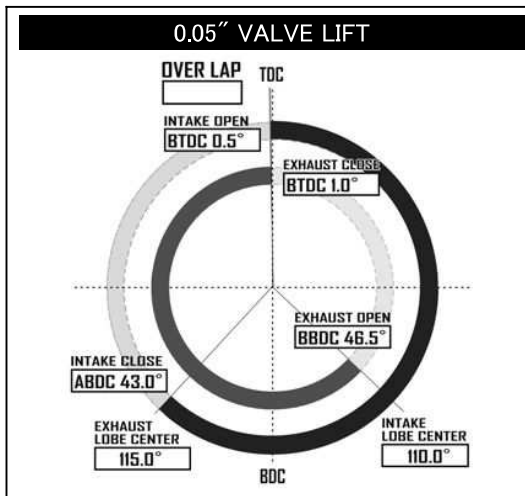
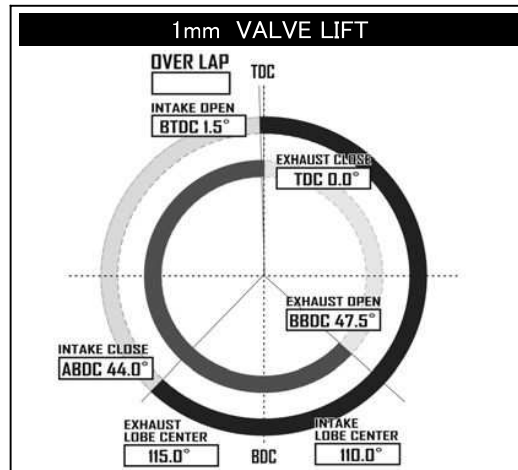
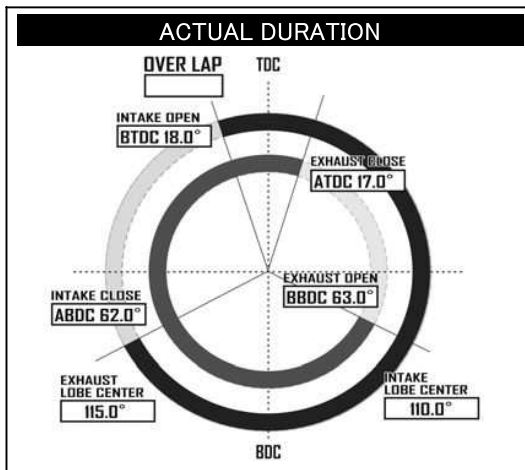
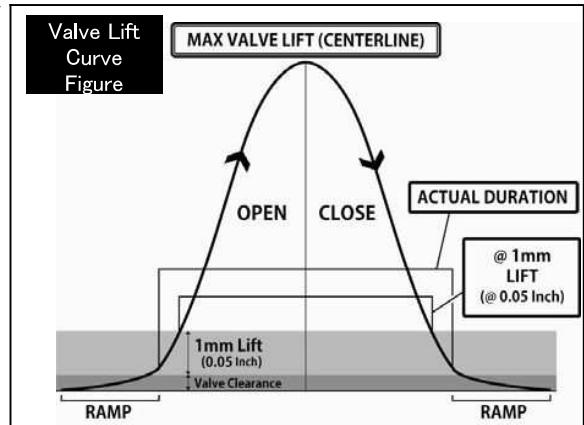
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

CAM TIMING		OPENS(°)	CLOSES(°)	TOTAL DURATION(°)
at 1mm Valve Lift	IN	BTDC 1.5	ABDC 44.0	225.5
	EX	BBDC 47.5	TDC	227.5

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" Valve Lift	IN	BTDC 0.5	ABDC 43.0	223.5
	EX	BBDC 46.5	BTDC 1.0	225.5

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