

TOMEI Camshaft Spec Card

PART NAME **PROCAM** ENGINE **EJ255 JDM / EJ257 WRX STI 04-07 USDM**

PART NUMBER **SET** - **IN** 142207 **EX** 142208

GRIND	IN	270° / 11.00mm	SOLID	BACE	IN	Φ37.0	ROCKER ARM RATIO*	VALVE CLEARANCE	IN	0.20
	EX	270° / 10.80mm	SOLID	CIRCLE(Φ)	EX	Φ37.0	-	WHEN COLD	EX	0.35

LIFT	IN	@CAM 11.00mm	@VALVE 10.80mm	LOBE	IN	125.0
	EX	@CAM 10.80mm	@VALVE 10.45mm	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 9.0	ABDC 81.0	270.0
Valve Lift	EX	BBDC 69.0	ATDC 21.0	270.0

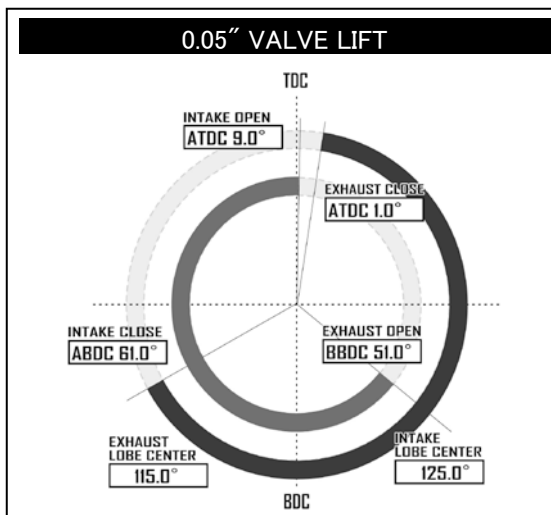
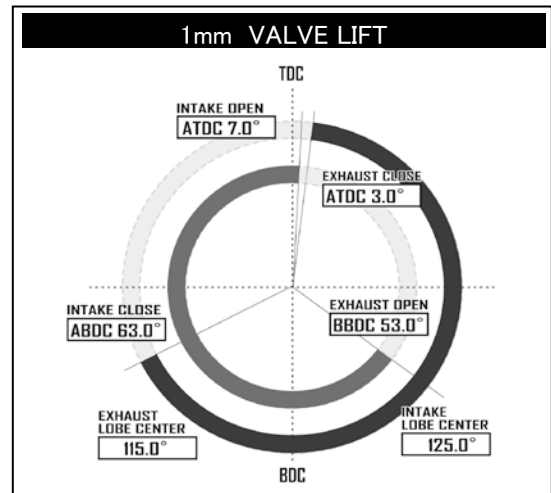
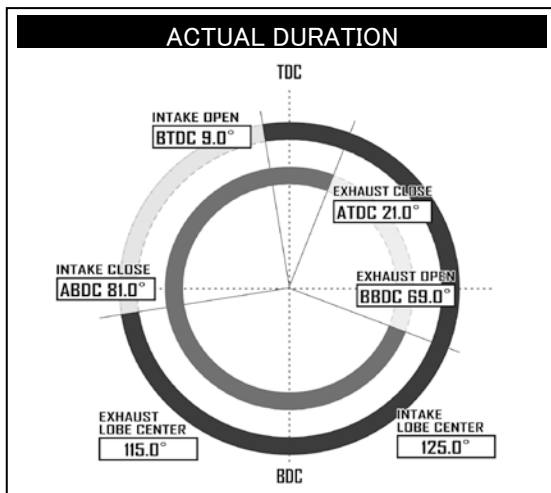
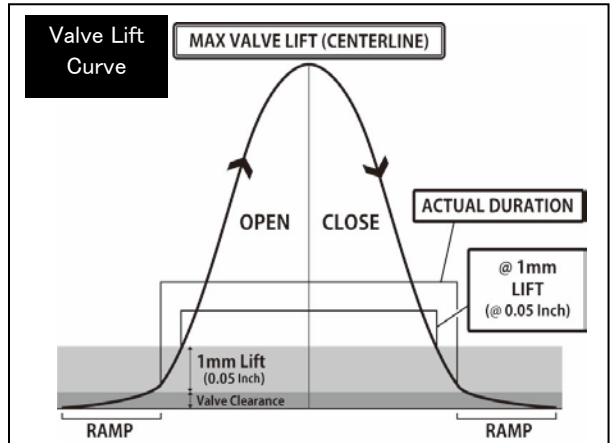
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

CAM TIMING		OPENS(°)	CLOSES(°)	TOTAL DURATION(°)
at 1mm	IN	ATDC 7.0	ABDC 63.0	236.0
Valve Lift	EX	BBDC 53.0	ATDC 3.0	236.0

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 9.0	ABDC 61.0	232.0
Valve Lift	EX	BBDC 51.0	ATDC 1.0	232.0

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



REQUIRED VALVE SPRING SPEC	
NOMAL HEIGHT	45.1mm
SET LENGTH	36.2mm
LIFT LENGTH	25.5mm
COMPRESSED HEIGHT	23.9mm
SET LOAD	32.0kgf ± 6%
LIFT LOAD	85.0kgf ± 6%
TOMEI PART NUMBER	163057

REQUIRED PARTS	
PRODUCT NAME	TOMEI PART NUMBER