

# TOMEI Camshaft Spec Card

PART NAME		PROCAM		ENGINE		EJ255 JDM / EJ257 WRX STI04-07 USDM		
PART NUMBER		SET	-	IN	142207	EX	142208	
GRIND	IN	270° / 11.00mm	SOLID	BACE	IN	Φ37.0	ROCKER ARM RATIO *	
	EX	270° / 10.80mm	SOLID	CIRCLE(Φ)	EX	Φ37.0		VALVE CLEARANCE IN
						WHEN COLD EX		0.35
LIFT	IN	@CAM 11.00mm	@VALVE 10.80mm	LOBE CENTER(°)	IN	125.0		
	EX	@CAM 10.80mm	@VALVE 10.45mm		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	B TDC	9.0	ABDC	81.0	270.0
Valve Lift	EX	BBDC	69.0	ATDC	21.0	270.0

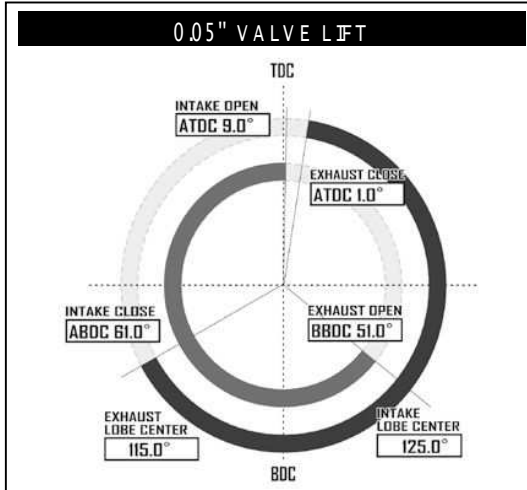
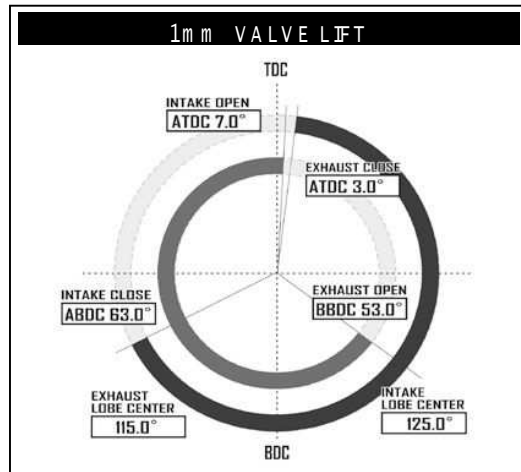
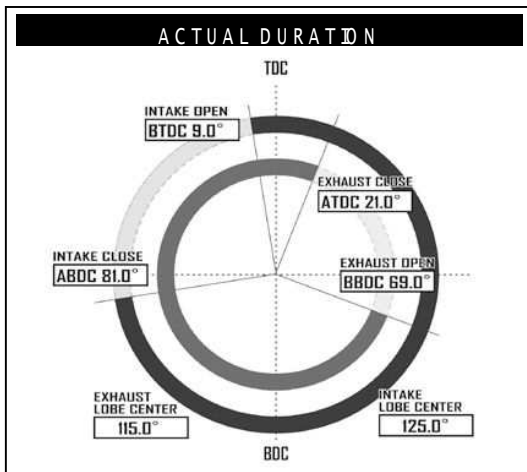
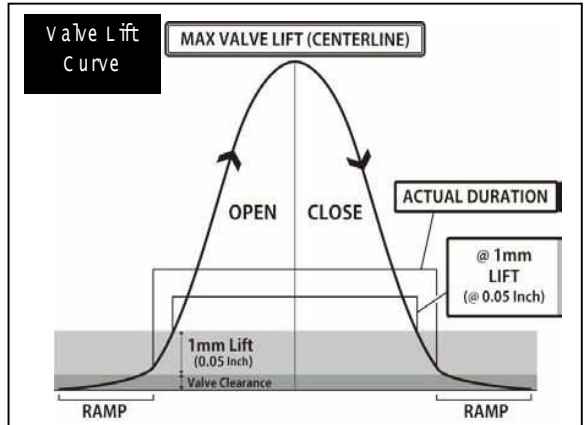
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

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	32.0kg± 6%
LIFT LOAD	85.0kg± 6%
TOMEI PART NUMBER	163057

REQUIRED PARTS	
PRODUCT NAME	TOMEI PART NUMBER