

TOMEI Camshaft Spec Card

PART NAME **PONCAM / PROCAM** ENGINE **EJ 207 GRB / GVB JDM EJ257 WRX STI '08- USDM**

PART NUMBER **SET 143070 IN 142209 EX 142210**

GRIND **IN 260° / 9.80mm - BACE IN Φ37.0 ROCKER ARM RATIO* - VALVE CLEARANCE IN 0.20**
EX 256° / 10.80mm - CIRCLE(Φ) EX Φ37.0 WHEN COLD EX 0.40

LIFT **IN @CAM 9.80mm @VALVE 9.60mm LOBE IN 131.0**
EX @CAM 10.80mm @VALVE 10.40mm CENTER(°) EX 130.0

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

CAM TIMING		OPENS(°)	CLOSES(°)	Actual Duration @ Opening(°)
Actual Duration	IN	ATDC 3.0	ABDC 83.0	260.0
Valve Lift	EX	BBDC 78.0	BTDC 2.0	256.0

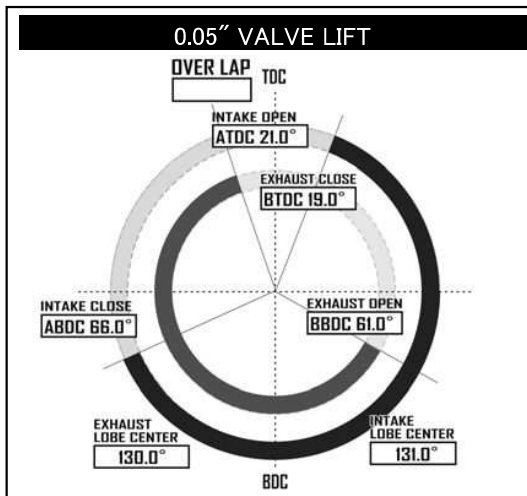
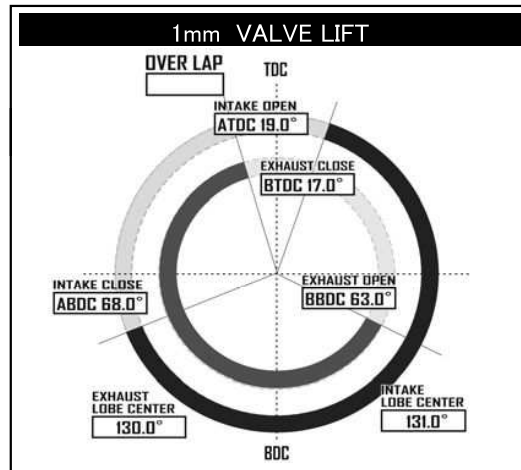
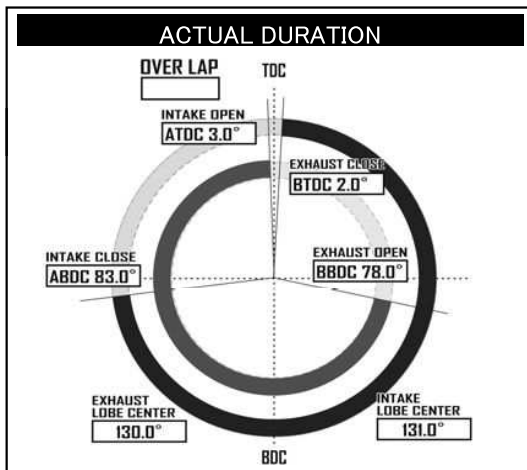
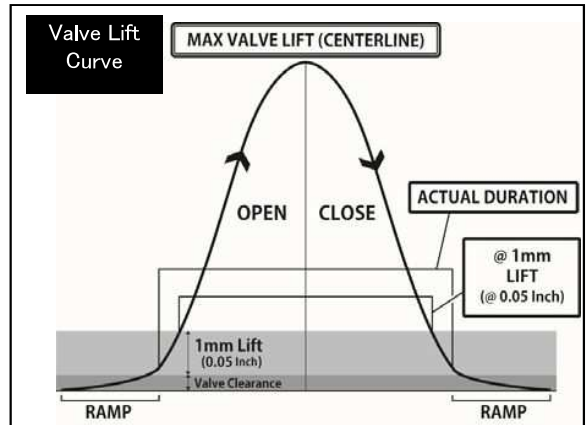
Values shown are, from start to the end of actual duration. (Excluding the ramp values)

CAM TIMING		OPENS(°)	CLOSES(°)	TOTAL DURATION(°)
at 1mm Valve Lift	IN	ATDC 19.0	ABDC 68.0	229.0
	EX	BBDC 63.0	BTDC 17.0	226.0

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" Valve Lift	IN	ATDC 21.0	ABDC 66.0	225.0
	EX	BBDC 61.0	BTDC 19.0	222.0

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



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

REQUIRED PARTS	
PRODUCT NAME	TOMEI PART NUMBER

TOMEI
The Engine Specialist