

VEHICLE: 90-93 Mazda Miata

Lobe(s): Intake	<u>LIFT</u>	<u>DUR.</u>	<u>OPEN</u>	<u>CLOSE</u>	<u>AREA</u>
	0.010	219.41	9.42 BTDC	29.98 ABDC	21.49
	0.020	209.30	4.52 BTDC	24.78 ABDC	21.26
	0.030	202.58	1.24 BTDC	21.35 ABDC	21.16
	0.040	196.91	1.55 ATDC	18.45 ABDC	21.05
	0.050	191.74	4.09 ATDC	15.83 ABDC	20.92
	0.060	186.92	6.49 ATDC	13.41 ABDC	20.78
	0.070	182.31	8.78 ATDC	11.09 ABDC	20.62
	0.080	177.81	11.01 ATDC	8.82 ABDC	20.45
	0.090	173.36	13.22 ATDC	6.58 ABDC	20.25
	0.100	168.93	15.43 ATDC	4.36 ABDC	20.03
	0.150	146.32	26.73 ATDC	6.95 BBDC	18.56
	0.200	120.91	39.43 ATDC	19.66 BBDC	16.28
	0.250	90.28	54.77 ATDC	34.95 BBDC	12.86
	0.300	37.86	81.01 ATDC	61.13 BBDC	5.51
	0.309	--- PEAK CAM LIFT ---			

Lobe(s): Exhaust	<u>LIFT</u>	<u>DUR.</u>	<u>OPEN</u>	<u>CLOSE</u>	<u>AREA</u>
	0.010	231.18	34.76 BBDC	16.42 ATDC	22.73
	0.020	220.34	30.00 BBDC	10.34 ATDC	22.47
	0.030	213.54	26.70 BBDC	6.84 ATDC	22.37
	0.040	207.72	23.83 BBDC	3.89 ATDC	22.25
	0.050	202.43	21.22 BBDC	1.21 ATDC	22.13
	0.060	197.45	18.74 BBDC	1.29 BTDC	21.98
	0.070	192.64	16.34 BBDC	3.69 BTDC	21.82
	0.080	187.95	14.00 BBDC	6.05 BTDC	21.71
	0.090	183.32	11.69 BBDC	8.37 BTDC	21.42
	0.100	178.70	9.39 BBDC	10.68 BTDC	21.19
	0.150	154.89	2.52 ABDC	22.59 BTDC	19.65
	0.200	128.03	15.94 ABDC	36.03 BTDC	17.44
	0.250	94.08	32.93 ABDC	52.99 BTDC	13.35
	0.300	38.83	60.32 ABDC	80.85 BTDC	5.65
	0.309	--- PEAK CAM LIFT ---			

Dowel Pin location:

	Cylinder 1 lobes	Cylinder 2 lobes	Cylinder 3 lobes	Cylinder 4 lobes
Intake	83.0 degrees BTDC	7.0 degrees ATDC	7.0 degrees ABDC	83.0 degrees BTDC
Exhaust	79.5 degrees ATDC	10.5 degrees BBDC	10.5 degrees BTDC	79.5 degrees ABDC

Base Circle Radius:

	Minimum	Maximum
Intake	1.285 inches	1.302 inches
Exhaust	1.285 inches	1.302 inches

Tolerances:

Duration at the seat (0.0" - 0.02")	2.5 degrees
Duration on flank (0.021" lift - 0.1" before max. lift)	1.5 degrees
Duration over nose	3.5 degrees
Peak lift	0.003 inches
Dowel pin location	2.0 degrees

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