

VEHICLE: 94-97 Mazda Miata

Lobe(s): Intake	LIFT	DUR.	OPEN	CLOSE	AREA
	0.010	215.41	7.30 BTDC	28.11 ABDC	21.37
	0.020	205.84	2.83 BTDC	23.01 ABDC	21.30
	0.030	198.92	0.65 ATDC	19.57 ABDC	21.21
	0.040	193.07	3.47 ATDC	16.54 ABDC	21.11
	0.050	187.91	6.01 ATDC	13.92 ABDC	20.99
	0.060	183.14	8.37 ATDC	11.52 ABDC	20.86
	0.070	178.59	10.62 ATDC	9.22 ABDC	20.71
	0.080	174.16	12.82 ATDC	6.98 ABDC	20.55
	0.090	169.82	14.98 ATDC	4.80 ABDC	20.36
	0.100	165.53	17.12 ATDC	2.65 ABDC	20.16
	0.150	143.95	27.89 ATDC	8.17 BBDC	18.81
	0.200	120.14	39.80 ATDC	20.06 BBDC	16.72
	0.250	90.97	54.40 ATDC	34.63 BBDC	13.42
	0.300	46.47	76.69 ATDC	56.84 BBDC	7.24
	0.316	--- PEAK CAM LIFT ---			

Lobe(s): Exhaust	LIFT	DUR.	OPEN	CLOSE	AREA
	0.010	232.13	35.34 BBDC	16.71 ATDC	24.21
	0.020	220.43	29.94 BBDC	10.48 ATDC	24.06
	0.030	213.07	26.41 BBDC	6.66 ATDC	23.95
	0.040	206.97	23.44 BBDC	3.53 ATDC	23.83
	0.050	201.56	20.77 BBDC	0.79 ATDC	23.70
	0.060	196.55	18.29 BBDC	1.73 BTDC	23.56
	0.070	191.84	15.96 BBDC	4.12 BTDC	23.39
	0.080	187.28	13.70 BBDC	6.42 BTDC	23.21
	0.090	182.84	11.50 BBDC	8.67 BTDC	23.01
	0.100	178.47	9.33 BBDC	10.86 BTDC	22.80
	0.150	156.89	1.40 ABDC	21.71 BTDC	21.40
	0.200	133.78	12.93 ABDC	33.28 BTDC	19.32
	0.250	106.65	26.49 ABDC	46.86 BTDC	16.20
	0.300	70.03	44.80 ABDC	65.16 BTDC	11.09
	0.337	--- PEAK CAM LIFT ---			

Dowel Pin location:

	Cylinder 1 lobes	Cylinder 2 lobes	Cylinder 3 lobes	Cylinder 4 lobes
Intake	81.0 degrees BBDC	9.0 degrees ATDC	9.0 degrees ABDC	81.0 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	1.402 inches	1.419 inches
Exhaust	1.408 inches	1.425 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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