

VALVE SPECIFICATIONS

Year	Engine Displacement Liters (cc)	Engine ID/VIN	Seat Angle (deg.)	Face Angle (deg.)	Maximum out of Square (in.)	Spring Free Length (in.)	Stem-to-Guide Clearance (in.)		Stem Diameter (in.)	
							Intake	Exhaust	Intake	Exhaust
1997	1.5 (1489)	Z5	45	45	0.0520	1.240	0.0010-0.0023	0.0012-0.0025	0.2154-0.2159	0.2152-0.2157
	1.8 (1839)	BP	45	45	0.059-0.066	Ⓜ	0.0010-0.0023	0.0012-0.0025	0.2351-0.2356	0.2349-0.2354
	2.0 (1991)	FS	45	45	0.061	1.732	0.0010-0.0023	0.0012-0.0025	0.2351-0.2356	0.2349-0.2354
	2.3 (2255)	KJ	NA	45	0.062	1.413	0.0010-0.0023	0.0012-0.0025	0.2351-0.2356	0.2349-0.2354
	2.5 (2497)	KL	45	45	0.064	1.847	0.0010-0.0023	0.0012-0.0025	0.2351-0.2356	0.2349-0.2354
1998	1.5 (1489)	Z5	45	45	0.0520	1.240	0.0010-0.0023	0.0012-0.0025	0.2154-0.2159	0.2152-0.2157
	1.8 (1839)	BP	45	45	0.059-0.066	Ⓜ	0.0010-0.0023	0.0012-0.0025	0.2351-0.2356	0.2349-0.2354
	2.0 (1991)	FS	45	45	0.061	1.732	0.0010-0.0023	0.0012-0.0025	0.2351-0.2356	0.2349-0.2354
	2.3 (2255)	KJ	NA	45	0.062	1.413	0.0010-0.0023	0.0012-0.0025	0.2351-0.2356	0.2349-0.2354
	2.5 (2497)	KL	45	45	0.064	1.847	0.0010-0.0023	0.0012-0.0025	0.2351-0.2356	0.2349-0.2354
1999-00	1.6 (1597)	ZM	NA	NA	NA	NA	NA	NA	NA	NA
	1.8 (1839)	BP	45	45	0.059-0.066	Ⓜ	0.0010-0.0023	0.0012-0.0025	0.2351-0.2356	0.2349-0.2354
	1.8 (1839)	FP	NA	NA	NA	NA	NA	NA	NA	NA
	2.0 (1991)	FS	45	45	0.061	1.732	0.0010-0.0023	0.0012-0.0025	0.2351-0.2356	0.2349-0.2354
	2.3 (2255)	KJ	NA	45	0.062	1.413	0.0010-0.0023	0.0012-0.0025	0.2351-0.2356	0.2349-0.2354
	2.5 (2497)	KL	45	45	0.064	1.847	0.0010-0.0023	0.0012-0.0025	0.2351-0.2356	0.2349-0.2354

NA - Not Available

- ① Intake: 0.0661
Exhaust: 0.6665
- ② Intake: 1.850 - 1.890
Exhaust: 1.862 - 1.902
- ③ Intake: 0.063
Exhaust: 0.060
- ④ Intake: 1.815
Exhaust: 1.717
- ⑤ Intake: 1.902 - 1.949
Exhaust: 1.937 - 1.984
- ⑥ Intake:
Outer: 0.071
Inner: 0.063
Exhaust:
Outer: 0.080
Inner: 0.073

- ⑦ Intake:
Outer: 1.949 - 1.969
Inner: 1.821 - 1.840
Exhaust:
Outer: 2.274 - 2.296
Inner: 2.071 - 2.092
- ⑧ Double Overhead Cam Engine
- ⑨ Intake:
Outer: 1.984 - 2.003
Inner: 1.821 - 1.840
Exhaust:
Outer: 2.274 - 2.296
Inner: 2.071 - 2.092
- ⑩ MX3
- ⑪ Intake: 0.063
Exhaust: 0.059
- ⑫ Intake: 1.816
Exhaust: 1.687
- ⑬ Intake: 1.80 in.
Exhaust: 1.903 in.