

VALVE SPECIFICATIONS

Year	Engine Displacement Liters (cc)	Engine ID/VIN	Seat Angle (deg.)	Face Angle (deg.)	Spring Test Pressure (lbs. @ in.)	Spring Installed Height (in.)	Stem-to-Guide Clearance (in.)		Stem Diameter (in.)	
							Intake	Exhaust	Intake	Exhaust
1990	2.4 (2389)	KA24E	45	45.5	①	NA	0.0008-0.0021	0.0016-0.0028	0.2742-0.2748	0.3129-0.3134
	3.0 (2960)	VG30E	45	45.25-45.75	②	③	0.0008-0.0021	0.0016-0.0029	0.2742-0.2748	0.3129-0.3138
1991	2.4 (2389)	KA24E	45	45.5	①	NA	0.0008-0.0021	0.0016-0.0028	0.2742-0.2748	0.3129-0.3134
	3.0 (2960)	VG30E	45	45.25-45.75	②	③	0.0008-0.0021	0.0016-0.0029	0.2742-0.2748	0.3129-0.3138
1992	2.4 (2389)	KA24E	45	45.5	①	NA	0.0008-0.0021	0.0016-0.0028	0.2742-0.2748	0.3129-0.3134
	3.0 (2960)	VG30E	45	45.25-45.75	②	③	0.0008-0.0021	0.0016-0.0029	0.2742-0.2748	0.3129-0.3138
1993	2.4 (2389)	KA24E	45	45.5	①	NA	0.0008-0.0021	0.0016-0.0028	0.2742-0.2748	0.3129-0.3134
	3.0 (2960)	VG30E	45	45.25-45.75	②	NA	0.0008-0.0021	0.0016-0.0029	0.2742-0.2748	0.3129-0.3138
1994	2.4 (2389)	KA24E	45	45.5	106@1.026	NA	0.0008-0.0021	0.0016-0.0028	0.2742-0.2748	0.3129-0.3134
	3.0 (2960)	VG30E	45	45.25-45.75	②	NA	0.0008-0.0021	0.0016-0.0029	0.2742-0.2748	0.3129-0.3138
1995	2.4 (2389)	KA24E	45	45.5	106@1.026	NA	0.0008-0.0021	0.0016-0.0028	0.2742-0.2748	0.3129-0.3134
	3.0 (2960)	VG30E	45	45.25-45.75	②	NA	0.0008-0.0021	0.0016-0.0029	0.2742-0.2748	0.3129-0.3138
1996	2.4 (2389)	KA24E	45	45.5	①	NA	0.0008-0.0021	0.0016-0.0029	0.2742-0.2748	0.3129-0.3134
	3.0 (2960)	VG30E	45	45.25-45.75	②	NA	0.0008-0.0021	0.0016-0.0029	0.2742-0.2748	0.3136-0.3138
	3.3 (3277)	VG33E	45	45.25-46.75	②	NA	0.0008-0.0021	0.0016-0.0029	0.2742-0.2748	0.3136-0.3138
1997	2.4 (2389)	KA24E	45	45.5	①	NA	0.0008-0.0021	0.0016-0.0029	0.2742-0.2748	0.3129-0.3134
	3.0 (2960)	VG30E	45	45.25-45.75	②	NA	0.0008-0.0021	0.0016-0.0029	0.2742-0.2748	0.3136-0.3138
	3.3 (3277)	VG33E	45	45.25-46.75	②	NA	0.0008-0.0021	0.0016-0.0029	0.2742-0.2748	0.3136-0.3138
1998	2.4 (2389)	KA24DE	45	45.5	93.9@1.15	NA	0.0008-0.0021	0.0016-0.0029	0.2742-0.2748	0.2734-0.2740
	3.0 (2960)	VG30E	45	45.25-45.75	②	NA	0.0008-0.0021	0.0016-0.0029	0.2742-0.2748	0.3136-0.3138
	3.3 (3277)	VG33E	45	45.25-46.75	②	NA	0.0008-0.0021	0.0016-0.0029	0.2742-0.2748	0.3135-0.3138
1999-00	2.4 (2389)	KA24DE	45	45.5	93.9@1.15	NA	0.0008-0.0021	0.0016-0.0029	0.2742-0.2748	0.2734-0.2740
	3.3 (3277)	VG33E	45	45.25-46.75	②	NA	0.0008-0.0021	0.0016-0.0029	0.2742-0.2748	0.3135-0.3138

NA - Not available

① Intake:
Inner: 63.9 @ 1.28
Outer: 135.2 @ 1.48
Exhaust:
Inner: 74 @ 1.15
Outer: 144 @ 1.34

② Inner: 57.3 @ 0.984
Outer: 117.7 @ 1.181
③ Inner: 1.378
Outer: 1.575