

CRANKSHAFT AND CONNECTING ROD SPECIFICATIONS

All measurements are given in inches.

Year	Engine		Crankshaft				Connecting Rod		
	Displacement Liters (cc)	Engine ID/VIN	Main Brg.	Main Brg. Oil	Shaft	Thrust on No.	Journal	Oil	Side
			Journal Dia.	Clearance	End-play		Diameter	Clearance	Clearance
1990	2.4 (2389)	KA24E	①	0.0008- 0.0019 ②	0.002- 0.007	3	2.3603- 2.3612	0.0004- 0.0014 ②	0.008- 0.016
	3.0 (2960)	VG30E	③	0.0011- 0.0022 ④	0.002- 0.007	4	1.9667- 1.9675	0.0006- 0.0021 ④	0.008- 0.016
1991	2.4 (2389)	KA24E	①	0.0008- 0.0019 ②	0.002- 0.007	3	2.3603- 2.3612	0.0004- 0.0014 ②	0.008- 0.016
	3.0 (2960)	VG30E	③	0.0011- 0.0022 ④	0.002- 0.007	4	1.9667- 1.9675	0.0006- 0.0021 ④	0.008- 0.016
1992	2.4 (2389)	KA24E	①	0.0008- 0.0019 ②	0.002- 0.007	3	2.3603- 2.3612	0.0004- 0.0014 ②	0.008- 0.016
	3.0 (2960)	VG30E	③	0.0011- 0.0022 ④	0.002- 0.007	4	1.9667- 1.9675	0.0006- 0.0021 ④	0.008- 0.016
1993	2.4 (2389)	KA24E	①	0.0008- 0.0019 ②	0.002- 0.007	3	2.3603- 2.3612	0.0004- 0.0014 ②	0.008- 0.016
	3.0 (2960)	VG30E	③	0.0011- 0.0022 ④	0.002- 0.007	4	1.9667- 1.9675	0.0006- 0.0021 ④	0.008- 0.016
1994	2.4 (2389)	KA24E	①	0.0008- 0.0019 ②	0.002- 0.007	3	2.3603- 2.3612	0.0004- 0.0014 ②	0.008- 0.016
	3.0 (2960)	VG30E	③	0.0011- 0.0022 ④	0.002- 0.007	4	1.9667- 1.9675	0.0006- 0.0021 ④	0.008- 0.016
1995	2.4 (2389)	KA24E	①	0.0008- 0.0019 ②	0.002- 0.007	3	2.3603- 2.3612	0.0004- 0.0014 ②	0.008- 0.016
	3.0 (2960)	VG30E	③	0.0011- 0.0022 ④	0.002- 0.007	4	1.9667- 1.9675	0.0006- 0.0021 ④	0.008- 0.016
1996	2.4 (2389)	KA24E	2.3609- 2.3612	0.0008- 0.0019	0.0020- 0.0071	3	1.9672- 1.9675	0.0004- 0.0014	0.0080- 0.0160
	3.0 (2960)	VG30E	2.4790- 2.4793	0.0011- 0.0022	0.0020- 0.0067	4	1.9967- 1.9675	0.0006- 0.0021	0.0079- 0.0138
	3.3 (3277)	VG33E	2.4790- 2.4793	0.0011- 0.0022	0.0020- 0.0067	4	1.9967- 1.9675	0.0006- 0.0021	0.0079- 0.0138
1997	2.4 (2389)	KA24E	2.3609- 2.3612	0.0008- 0.0019	0.0020- 0.0071	3	1.9672- 1.9675	0.0004- 0.0014	0.0080- 0.0160
	3.0 (2960)	VG30E	2.4790- 2.4793	0.0011- 0.0022	0.0020- 0.0067	4	1.9967- 1.9675	0.0006- 0.0021	0.0079- 0.0138
	3.3 (3277)	VG33E	2.4790- 2.4793	0.0011- 0.0022	0.0020- 0.0067	4	1.9967- 1.9675	0.0006- 0.0021	0.0079- 0.0138
1998	2.4 (2389)	KA24DE	2.3609- 2.3612	0.0008- 0.0019	0.0020- 0.0071	3	1.9672- 1.9675	0.0004- 0.0014	0.0080- 0.0160
	3.0 (2960)	VG30E	2.4790- 2.4793	0.0011- 0.0022	0.0020- 0.0067	4	1.9967- 1.9675	0.0006- 0.0021	0.0079- 0.0138
	3.3 (3277)	VG33E	2.4790- 2.4793	0.0011- 0.0022	0.0020- 0.0067	4	1.9967- 1.9675	0.0006- 0.0021	0.0079- 0.0138
1999-00	2.4 (2389)	KA24DE	2.3609- 2.3612	0.0008- 0.0019	0.0020- 0.0071	3	1.9672- 1.9675	0.0004- 0.0014	0.0080- 0.0160
	3.3 (3277)	VG33E	2.4790- 2.4793	0.0011- 0.0022	0.0020- 0.0067	4	1.9967- 1.9675	0.0006- 0.0021	0.0079- 0.0138

① Grade 0: 2.3609 - 2.3612
Grade 1: 2.3606 - 2.3609
Grade 2: 2.3603 - 2.3606

③ Grade 0: 2.4790 - 2.4793
Grade 1: 2.4787 - 2.4790
Grade 2: 2.4784 - 2.4787

④ Wear limit: 0.0035
No. 2, 4, 6: 0.0005 - 0.0015
No. 5: 0.0005 - 0.0013

② Wear limit: 0.004