

ENGINE TUNE-UP SPECIFICATIONS

Year	Engine	Spark Plug	Ignition		Fuel	Idle		Valve		
	Displacement	Engine	Gap	Timing	Pump	Speed		Clearance		
	Liters (cc)	ID/VIN	(in.)	(deg.)	(psi) ①	(rpm)		In.	Ex.	
1990	2.4 (2389)	KA24E	0.033	10B	10B	33	800	800	HYD	HYD
	3.0 (2960)	VG30E	0.041	15B	15B	33	750	750	HYD	HYD
1991	2.4 (2389)	KA24E	0.033	10B	10B	33	800	800	HYD	HYD
	3.0 (2960)	VG30E	0.041	15B	15B	33	750	750	HYD	HYD
1992	2.4 (2389)	KA24E	0.033	10B	10B	33	750	800	HYD	HYD
	3.0 (2960)	VG30E	0.041	15B	15B	33	750	750	HYD	HYD
1993	2.4 (2389)	KA24E	0.033	10B	10B	33	800	800	HYD	HYD
	3.0 (2960)	VG30E	0.041	15B	15B	33	750	750	HYD	HYD
1994	2.4 (2389)	KA24E	0.033	10B	10B	33	800	800	HYD	HYD
	3.0 (2960)	VG30E	0.041	15B	15B	33	750	750	HYD	HYD
1995	2.4 (2389)	KA24E	0.033	10B	10B	33	800	800	HYD	HYD
	3.0 (2960)	VG30E	0.041	15B	15B	33	750	750	HYD	HYD
1996	2.4 (2389)	KA24E	0.033	10B	10B	36	800	800	HYD	HYD
	3.0 (2960)	VG30E	③	15B	15B	34	700	700	HYD	HYD
	3.3 (3277)	VG33E	0.041	15B	15B	34	750	750	HYD	HYD
1997	2.4 (2389)	KA24E	0.033	10B	10B	36	800	800	HYD	HYD
	3.0 (2960)	VG30E	③	15B	15B	34	700	700	HYD	HYD
	3.3 (3277)	VG33E	0.041	15B	15B	34	750	750	HYD	HYD
1998	2.4 (2389)	KA24DE	0.039-0.043	18-22B	18-22B	34	750-850	750-850	HYD	HYD
	3.0 (2960)	VG30E	0.031-0.035	—	13-17B	34	—	700-800	HYD	HYD
	3.3 (3277)	VG33E	0.039-0.043	13-17B	13-17B	34	700-800	700-800	HYD	HYD
1999-00	2.4 (2389)	KA24DE	0.039-0.043	18-22B	18-22B	34	750-850	750-850	HYD	HYD
	3.3 (3277)	VG33E	0.039-0.043	13-17B	13-17B	34	700-800	700-800	HYD	HYD

NOTE: The Vehicle Emission Control Information label often reflects specification changes made during production. The label figures must be used if they differ from those in this chart.

B - Before top dead center

HYD - Hydraulic

① System pressure at idle with vacuum hose connected

Should increase to 43 psi when disconnected

② Automatic transmission in Neutral

③ Quest: 0.033

Pick-up and Pathfinder: 0.041