

# GASOLINE ENGINE TUNE-UP SPECIFICATIONS

Year	Engine ID/VIN	Engine Displacement Liters (cc)	Spark Plugs Gap (in.)	Ignition Timing (deg.)		Fuel Pump (psi)	Idle Speed (rpm)		Valve Clearance	
				MT	AT		MT	AT	In.	Ex.
1986	D	2.5 (2501)	0.044	10B	10B	13-17	725	650	HYD	HYD
	U	3.0 (2980)	0.044	-	10B	35-45	-	625	HYD	HYD
1987	D	2.5 (2501)	0.044	10B	10B	13-17	725	650	HYD	HYD
	U	3.0 (2980)	0.044	-	10B	35-45	-	625	HYD	HYD
1988	D	2.5 (2501)	0.044	10B	10B	13-17	725	650	HYD	HYD
	U	3.0 (2971)	0.044	-	10B	35-45	-	625	HYD	HYD
	4	3.8 (3802)	0.044	-	10B	35-45	-	550	HYD	HYD
1989	D	2.5 (2501)	0.044	10B	10B	35-45	725	650	HYD	HYD
	U	3.0 (2980)	0.052	-	10B	35-45	-	625	HYD	HYD
	Y	3.0 (2980)	0.044	10B	-	36-39	800	-	0.006- 0.01	0.010- 0.014
	4	3.8 (3802)	0.054	-	10B	35-45	-	550	HYD	HYD
1990	D	2.5 (2501)	0.044	10B	10B	35-45	725	650	HYD	HYD
	U	3.0 (2980)	0.044	-	10B	35-45	-	625	HYD	HYD
	Y	3.0 (2980)	0.044	10B	-	36-39	800	-	0.006- 0.010	0.010- 0.014
	4	3.8 (3802)	0.054	-	10B	35-45	-	550	HYD	HYD
1991	D	2.5 (2501)	0.044	10B	10B	45-60	725	650	HYD	HYD
	U	3.0 (2980)	0.044	-	10B	35-45	-	625	HYD	HYD
	Y	3.0 (2980)	0.044	10B	-	36-39	800	-	0.006- 0.010	0.010- 0.014
	4	3.8 (3802)	0.054	-	10B	35-45	-	550	HYD	HYD
1992	U	3.0 (2980)	0.044	-	10B	35-40	-	625	HYD	HYD
	Y	3.0 (2980)	0.044	10B	-	30-45	800	-	0.006- 0.010	0.010- 0.014
	4	3.8 (3802)	0.054	-	10B	35-40	-	550	HYD	HYD
1993	U	3.0 (2980)	0.044	-	10B	35-45	-	625	HYD	HYD
	Y	3.0 (2980)	0.044	10B	-	30-45	800	-	0.006- 0.010	0.010- 0.014
	P	3.2 (3191)	0.044	-	10B	30-45	-	-	0.006- 0.010	0.010- 0.010
	4	3.8 (3802)	0.054	-	10B	35-45	-	550	HYD	HYD
1994	U	3.0 (2980)	0.044	-	10B	30-45 <sup>2</sup>	<sup>1</sup>	<sup>1</sup>	HYD	HYD
	Y	3.0 (2980)	0.044	10B	-	28-33 <sup>2</sup>	<sup>1</sup>	-	0.006- 0.010	0.010- 0.014
	P	3.2 (3191)	0.044	-	10B	28-33 <sup>2</sup>	-	750	0.006- 0.010	0.010- 0.010
	4	3.8 (3802)	0.054	-	10B	30-45 <sup>2</sup>	<sup>1</sup>	<sup>1</sup>	HYD	HYD
1995	U	3.0 (2980)	0.044	-	10B	30-45 <sup>2</sup>	-	<sup>1</sup>	HYD	HYD
	Y	3.0 (2980)	0.044	10B	-	28-33 <sup>2</sup>	<sup>1</sup>	-	0.006- 0.010	0.010- 0.014
	P	3.2 (3191)	0.044	-	10B	30-45 <sup>2</sup>	-	800	0.006- 0.010	0.010- 0.014
	4	3.8 (3802)	0.054	-	10B	30-45 <sup>2</sup>	-	<sup>1</sup>	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

<sup>1</sup> Refer to the Vehicle Emission Control Label

<sup>2</sup> Fuel Pressure with engine running, pressure regulator vacuum hose connected