

Cylinder Head	Item	Standard	Service Limit
	Cylinder compression at 400 min ⁻¹ (rpm)	1.275 ±196 kPa (13.0 ±2.0 kg/cm ² , 185 ±28 psi)	
	Cylinder compression difference	40 mm Hg (1.6 in Hg)	
	Valve clearance IN EX	0.15±0.02 (0.006 ±0.0008) 0.20±0.02 (0.008 ±0.0008)	
	Cylinder head warpage		0.10 (0.004)
	Cam lobe height ① IN EX	32.845 (1.2931) 32.663 (1.2859)	32.805(1.3424) 32.623(1.2844)
	Camshaft runout		0.02 (0.001)
	Camshaft oil clearance at A point.	0.030-0.091 (0.0012-0.0036)	0.095 (0.0008)
	Camshaft journal O.D.	4.975-4.990 (0.1959-0.1965)	4.97 (0.196)
	Camshaft holder I.D.	4.955-4.970 (0.1951-0.1957)	4.94 (0.194)
	Valve stem O.D. IN	5.000-5.012 (0.1969-0.1973)	5.04 (0.198)
	EX	5.000-5.012 (0.1969-0.1973)	5.04 (0.198)
	Valve guide I.D. IN	0.010-0.037 (0.0004-0.0014)	0.07 (0.003)
	EX	0.030-0.057 (0.0012-0.0022)	0.09 (0.004)
	Stem-to-guide clearance IN	11.4-11.6 (0.45-0.46)	
	EX	11.4-11.6 (0.45-0.46)	
	Valve guide projection above cylinder head IN (h)		
	EX (h)		
	<p>Before guide installation:</p> <ol style="list-style-type: none"> 1.Chill the valve guides in the freezer section of a refrigerator for about an hour. 2.Heat the cylinder head to 100-150 °C(212-300° F). 		
	Valve seat width IN	1.0 (0.04)	1.5 (0.06)
	EX	1.0 (0.04)	1.5 (0.06)
	Valve spring free length outer IN	34.03 (1.340)	32.368(1.2743)
	outer EX	34.03 (1.340)	32.368(1.2743)
	inner IN	31.69 (1.248)	29.815(1.1738)
	inner EX	31.69 (1.248)	29.815(1.1738)
	Rocker arm I.D.	10.000-10.015 (0.3937-0.3943)	10.05 (0.396)
	Rocker arm shaft O.D.	9.972-9.987 (0.3926-0.3932)	9.93 (0.391)
	Rocker arm-to-rocker arm shaft clearance		
	<p>COMBUSTION CHAMBER</p>		

Valve spring direction

Tightly wound coil facing the combustion chamber