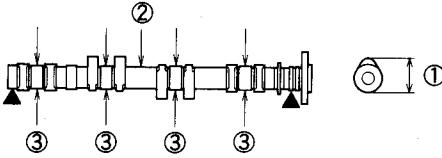
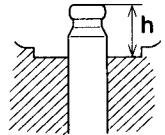


Cylinder Head	Item	Standard	Service Limit
	Cylinder compression	1,261-1,287kPa (12.6-12.9 kg/cm <sup>2</sup> , 179-183 psi)	—
	Valve clearance at cold temperature (below 35° C/95° F) IN	0.13-0.19 (0.005-0.007)	—
	EX	0.19-0.25 (0.007-0.010)	—
	Cylinder head warpage	—	0.1 (0.04)
	Cam lobe height ① IN	36.140-36.380 (1.4228-1.4323)	36.11 (1.422)
	EX	35.300-35.540 (1.3898-1.3992)	35.27 (1.389)
			
	Camshaft runout ②	—	0.05 (0.002)
	Camshaft oil clearance	0.020-0.062 (0.0008-0.0024)	0.1 (0.004)
	Camshaft journal O. D. ③	23.959-23.980 (0.9433-0.9441)	24.955 (0.9825)
	Camshaft holder I. D.	24.000-24.021 (0.9449-0.9457)	—
	Valve stem O. D. IN	3.975-3.990 (0.1565-0.1571)	3.965 (0.1561)
	EX	3.965-3.980 (0.1561-0.1567)	3.955 (0.1557)
	Valve guide I. D. IN	4.000-4.012 (0.1575-0.1580)	4.04 (0.159)
	EX	4.000-4.012 (0.1575-0.1580)	4.04 (0.159)
	Stem-to-guide clearance IN	0.005-0.042 (0.0002-0.0017)	—
	EX	0.015-0.052 (0.0006-0.0020)	—
	Valve guide projection above cylinder head (h) IN	31.27-31.87 (1.2311-1.2547)	—
	EX	31.31-31.91 (1.2327-1.2563)	—
	 <p>Before guide installation :</p> <ol style="list-style-type: none"> <li>1. Chill the valve guides in the freezer section of a refrigerator for about one hour.</li> <li>2. Heat the cylinder head to 100-150° C (212-300° F).</li> </ol>		
	Valve seat width	0.9-1.1 (0.035-0.043)	1.5 (0.06)
	Valve spring free length Inner	31.92 (1.257)	30.62 (1.206)
	Outer	35.36 (1.392)	33.86 (1.333)
	Inner IN	—	—
	Inner EX	—	—
	Outer IN	—	—
	Outer EX	—	—
	Rocker arm I. D. IN	—	—
	EX	—	—
	Rocker arm shaft O. D. IN	—	—
	EX	—	—
	Rocker arm-to-rocker arm shaft clearance	—	—
	Valve lifter O. D.	25.978-25.993 (1.0228-1.0233)	25.968 (1.0224)
	Valve lifter bore I. D.	26.010-26.026 (1.0240-1.0246)	26.040 (1.0252)
	Hydraulic lash adjuster assist spring free length	—	—
	Hydraulic lash adjuster compression stroke with kerosene	—	—