

Standards and Service Limits

Cylinder Head/Valve Train Section 6

	MEASUREMENT		STANDARD (NEW)	SERVICE LIMIT
Compression	200 rpm and wide open throttle	Nominal Minimum Maximum variation	1,350kPa (13.5kg/cm ² , 192psi) 1,000kPa (10.0kg/cm ² , 142psi) 200kPa (2kg/cm ² , 28psi)	
Cylinder head	Warpage Height		— 99.95-100.05 (3.935-3.939)	0.05 (0.002) —
Camshaft	End play Oil clearance Runout Cam lobe height	MT IN EX AT IN EX	0.05-0.15 (0.002-0.006) 0.050-0.089 (0.002-0.004) 0.015 (0.0006) 40.005 (1.5750) 37.766 (1.4868) 40.005 (1.5750) 37.766 (1.4868)	0.15 (0.006) 0.10 (0.004) 0.03 (0.0012) — — — —
Valve	Valve clearance Valve stem O.D. Stem-to-guide clearance	IN EX IN EX IN EX	0 0 5.48-5.49 (0.2157-0.2161) 5.45-5.46 (0.2146-0.2159) 0.068-0.088 (0.0026-0.0035) 0.098-0.118 (0.0039-0.0046)	— — 5.45 (0.2146) 5.42 (0.2134) — —
Valve seat	Width Stem installed height	IN EX IN EX	1.25-1.55 (0.049-0.061) 1.25-1.55 (0.049-0.061) 46.935-47.375 (1.8478-1.8671) 47.885-48.375 (1.8852-1.9045)	2.0 (0.079) 2.0 (0.079) 47.625 (1.8750) 48.575 (1.9124)
Valve spring	Free length	IN EX	50.16 (1.9748) *1 50.17 (1.9752) *2 50.36 (1.9827)	49.20 (1.9476) 49.47 (1.9476)
Valve guide	I.D. Installed height	IN and EX IN and EX	5.558-5.568 (0.2188-0.2192) 15.75-16.25 (0.620-0.640)	— —
Rocker arm	Arm-to-shaft clearance		0.018-0.054 (0.0007-0.0021)	0.08 (0.003)

*1: NIHON HATSUJO made, *2: CHUO HATSUJO made.