Standards and Service Limit

Cylinder Head/Valve Train — Section 6 MEASUREMENT STANDARD (NEW) SERVICE LIMIT 1,400 (14.0, 199) Compression 200 rpm and Nominal wide open throttle Minimum 1,000 (10.0, 142) 200 (2.0, 28) kPa (kg/cm², psi) Maximum variation Cylinder head Warpage 0.05 (0.002) 150.95-151.05 (5.9429-5.9468) Height Camshaft 0.05-0.15 (0.002-0.006) 0.5 (0.02) End play Camshaft-to-holder oil clearance 0.15 (0.006) 0.050-0.089 (0.002-0.004) Total runout 0.03 (0.0012) 0.06 (0.0024) M/T IN 37.086 (1.4601) Cam lobe height Primary Mid 38.037 (1.4975) Secondary 37.326 (1.4695) _ Primary 36.559 (1.4393) _ EX 37.398 (1.4724) Mid ____ Secondary 36.741 (1.4465) Primary 37.266 (1.4672) A/T IN _ _ Mid 37.655 (1.4825) Secondary _ 37.504 (1.4765) _ EX Primary 36.559 (1.4393) Mid 37.398 (1.4724) ____ Secondary 36.741 (1.4465) 0.15-0.19 (0.006-0.007)*3 Valve Valve clearance IN _ 0.17-0.21 (0.007-0.008)*3 EΧ Valve stem 0.D. IN 5.475-5.485 (0.2156-0.2159) 5.445 (0.2144) ΕX 5.45-5.46 (0.2146-0.2150) 5.42 (0.2134) Stem-to-guide clearance IN 0.025-0.055 (0.001-0.002) 0.08 (0.003) EΧ 0.05-0.08 (0.002-0.003) 0.11 (0.004) Width IN 0.80-1.00 (0.031-0.039) 1.5 (0.059) Valve seat EX 1.25-1.55 (0.049-0.061) 2.0 (0.079) Stem installed height IN 41.55-42.35 (1.6358-1.6673) 42.435 (1.6707) ΕX 41.55-42.35 (1.6358-1.6673) 42.435 (1.6707) 43.23 (1.7020) *1 M/T IN Outer Valve spring Free length 42.40 (1.6693) 43.24 (1.7024) *2 39.79 (1.5665) *1 Inner 39.02 (1.5362) 39.82 (1.5677) *2 46.00 (1.8110) *1 EΧ 45.12 (1.7764) 45.98 (1.8102) *2 A/T IN 44.59 (1.7555) *1 43.73 (1.7217) 44.60 (1.7559) *2 47.40 (1.8661) *1 EΧ 46.69 (1.8382) 47.43 (1.8673) *2 I.D. IN and EX 5.51-5.53 (0.2169-0.2177) 5.53 (0.218) Valve guide Installed height IN and EX 13.75-14.25 (0.5413-0.5610) 14.50 (0.5709) Arm-to-shaft Primary and Secondary IN and EX 0.025-0.052 (0.0010-0.0020) 0.08 (0.003) Rocker arm clearance Mid IN and EX 0.024-0.053 (0.0009-0.0021) 0.08 (0.003)

*1: NIHON HATSUJO made, *2: CHUO HATSUJO made. M/T: Manual Transmission A/T: Automatic Transmission

*3: Measured between the rocker arm and camshaft.