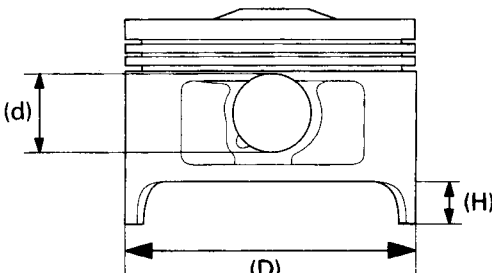


**General Information**

Unit: mm (in)

Cylinder/Piston Item	Standard	Service Limit
Cylinder I.D. Cylinder out of round Cylinder taper Cylinder warpage Piston mark direction Piston O.D. (D) Piston O.D. measurement point (H) Piston pin hole I.D. (d)	77.000–77.010 (3.0315–3.0319) _____ _____ _____ "IN" mark facing toward the intake side 76.970–76.990 (3.0303–3.0311) 15 mm (0.6 in) from the bottom 20.002–20.008 (0.7875–0.7877)	77.10 (3.305) 0.05 (0.002) 0.05 (0.002) 0.05 (0.002) _____ 76.87 (3.026) _____ 20.06 (0.790)
		
Cylinder-to-piston clearance Piston pin O.D. Piston-to-piston pin clearance Connecting rod-to piston pin clearance Top ring-to-ring groove clearance Second ring-to-ring groove clearance Top Ring end gap Second Ring end gap Oil ring (side rail) end gap Top ring mark Second ring mark	0.010–0.040 (0.0004–0.0016) 19.994–20.000 (0.7872–0.7874) 0.002–0.014 (0.0001–0.0006) 0.016–0.040 (0.0006–0.0016) 0.025–0.055 (0.0010–0.0022) 0.015–0.045 (0.0006–0.0018) 0.250–0.400 (0.0100–0.0157) 0.320–0.470 (0.0126–0.0185) 0.300–0.900 (0.0118–0.0354) Marking side facing up Marking side facing up	0.10 (0.004) 19.98 (0.787) 0.04 (0.002) 0.06 (0.002) 0.09 (0.004) 0.10 (0.004) 0.58 (0.023) 0.65 (0.026) 1.10 (0.043) _____ _____

<b>Clutch System</b>		
Recommended clutch fluid Clutch master cylinder I.D. Clutch master piston O.D. Clutch outer I.D. Clutch outer guide I.D. Mainshaft O. D. at clutch outer guide Clutch spring free length Clutch disc thickness A B Clutch plate warpage	DOT 4 brake fluid 14.000–14.043 (0.5512–0.5529) 13.957–13.984 (0.5495–0.5506) 47.005–47.030 (1.8506–1.8516) 27.995–28.012 (1.1022–1.1028) 27.980–27.993 (1.1016–1.1021) 46.7 (1.839) 3.42–3.58 (0.135–0.141) 3.72–3.33 (0.146–0.153) _____	_____ 14.06 (0.554) 13.94 (0.549) 47.10 (1.854) 28.08 (1.106) 27.97 (1.101) 44.7 (1.76) 3.1 (0.12) 3.1 (0.12) 0.30 (0.012)