

11. CYLINDER/PISTON

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SERVICE INFORMATION

GENERAL

- Cylinder head coolant is fed through water jackets in the cylinder.
- Be sure that the water pipe O-ring, gasket and dowel pins are in place before installing the cylinder head.

SPECIFICATIONS

Unit: mm (in)

ITEM		STANDARD	SERVICE LIMIT	
Cylinder	I.D. '83:	79.500–79.515 (3.1299–3.1305)	79.67 (3.137)	
	I.D. After '83:	76.500–76.515 (3.0118–3.0124)	76.66 (3.018)	
	Out-of-round	—	0.05 (0.002)	
	Taper	—	0.05 (0.002)	
	Warpage	—	0.10 (0.004)	
Pistons, piston rings, and piston pins	Piston skirt O.D. '83:	79.470–79.490 (3.1287–3.1295)	79.35 (3.124)	
	Piston skirt O.D. After '83:	76.210–76.230 (3.0004–3.0012)	76.09 (2.996)	
	Piston pin hole	20.002–20.008 (0.7875–0.7877)	20.05 (0.789)	
	Piston pin O.D.	19.994–20.000 (0.7872–0.7874)	19.80 (0.780)	
	Piston pin-to-piston clearance	0.002–0.014 (0.0001–0.0005)	0.10 (0.004)	
	Piston ring-to groove clearance	Top/second	0.03–0.035 (0.0012–0.0014)	0.25 (0.010)
		Oil	0.03–0.035 (0.0012–0.0014)	0.10 (0.004)
	Piston ring end gap	Top/second	0.20–0.35 (0.0079–0.0138)	0.50 (0.002)
Oil (side rail)		0.30–0.90 (0.0118–0.035)	1.1 (0.04)	
Piston-to-cylinder clearance		0.010–0.045 (0.0004–0.0018)	0.32 (0.013)	