

GENERAL INFORMATION

Unit: mm (in)

CLUTCH/GEARSHIFT LINKAGE		ITEM	STANDARD	SERVICE LIMIT
		Clutch lever free play	10–20 (3/8–13/16)	—
		Clutch spring free length	57.4 (2.26)	56.2 (2.21)
		Clutch disc thickness	Blue color	3.72–3.88 (0.146–0.153)
			Brown color	3.72–3.88 (0.146–0.153)
		Clutch plate warpage	—	0.30 (0.012)
		Clutch outer guide	I.D.	28.000–28.021 (1.1024–1.1032)
			O.D.	34.975–34.991 (1.3770–1.3776)
		Mainshaft O.D. at clutch outer guide	27.980–27.993 (1.1016–1.1021)	27.970 (1.1012)
Shift fork, fork shaft	Fork	I.D.	12.000–12.021 (0.4724–0.4733)	12.03 (0.474)
		Claw thickness	5.93–6.00 (0.233–0.236)	5.9 (0.23)
	Fork shaft O.D.	11.957–11.968 (0.4707–0.4712)	11.95 (0.470)	

Unit: mm (in)

ALTERNATOR/STARTER CLUTCH		ITEM	STANDARD	SERVICE LIMIT
		Starter driven gear boss O.D.	51.699–51.718 (2.0354–2.0361)	51.684 (2.0348)

Unit: mm (in)

CRANKCASE/PISTON/CYLINDER		ITEM	STANDARD	SERVICE LIMIT
Cylinder	I.D.	79.000–79.015 (3.1102–3.1108)	79.10 (3.114)	
	Out of round	—	0.10 (0.004)	
	Taper	—	0.10 (0.004)	
	Warpage	—	0.05 (0.002)	
Piston, piston rings	Piston mark direction		"IN" mark facing toward the intake side	—
	Piston O.D.		78.970–78.990 (3.1090–3.1098)	78.90 (3.106)
	Piston O.D. measurement point		15 mm (0.6 in) from bottom of skirt	—
	Piston pin bore I.D.		19.002–19.008 (0.7481–0.7483)	19.03 (0.749)
	Piston pin O.D.		18.994–19.000 (0.7478–0.7480)	18.984 (0.7474)
	Piston-to-piston pin clearance		0.002–0.014 (0.0001–0.0006)	—
	Piston ring-to-ring groove clearance	Top	0.030–0.065 (0.0012–0.0026)	0.08 (0.003)
		Second	0.015–0.045 (0.0006–0.0018)	0.06 (0.002)
	Piston ring end gap	Top	0.20–0.35 (0.008–0.014)	0.5 (0.02)
		Second	0.40–0.55 (0.016–0.022)	0.7 (0.03)
Oil (side rail)		0.2–0.8 (0.01–0.03)	1.0 (0.04)	
Cylinder-to-piston clearance		0.010–0.045 (0.0004–0.0018)	—	
Connecting rod small end I.D.		19.030–19.051 (0.7492–0.7500)	19.061 (0.7504)	
Connecting rod-to-piston pin clearance		0.030–0.057 (0.0012–0.0022)	—	
Crankpin oil clearance		0.030–0.052 (0.0012–0.0020)	0.062 (0.0024)	