

Unit: mm (in)

CLUTCH/GEARSHIFT LINKAGE			
ITEM		STANDARD	SERVICE LIMIT
Clutch lever free play		10 – 20 (3/8 – 13/16)	—
Clutch	Spring free length	48.8 (1.92)	47.5 (1.87)
	Disc thickness	2.92 – 3.08 (0.115 – 0.121)	2.6 (0.10)
	Plate warpage	—	0.30 (0.012)
Clutch outer guide	I.D.	24.994 – 25.004 (0.9840 – 0.9844)	25.01 (0.985)
	O.D.	34.975 – 34.991 (1.3770 – 1.3776)	34.97 (1.377)
Mainshaft O.D. at clutch outer guide		24.980 – 24.993 (0.9835 – 0.9840)	24.96 (0.983)
Shift fork, fork shaft	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)
	Shift 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.	71.000 – 71.015 (2.7953 – 2.7963)	71.10 (2.795)
	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.		70.965 – 70.985 (2.7939 – 2.7947)
	Piston O.D. measurement point		15 mm (0.6 in) from bottom of skirt
	Piston pin bore I.D.		17.002 – 17.008 (0.6694 – 0.6696)
	Piston pin O.D.		16.993 – 17.000 (0.6690 – 0.6693)
	Piston-to-piston pin clearance		0.002 – 0.015 (0.0001 – 0.0006)
	Piston ring-to-ring groove clearance	Top	0.030 – 0.065 (0.0012 – 0.0026)
		Second	0.015 – 0.045 (0.0006 – 0.0018)
	Piston ring end gap	Top	0.28 – 0.38 (0.011 – 0.015)
		Second	0.40 – 0.55 (0.016 – 0.022)
Oil (side rail)		0.2 – 0.7 (0.01 – 0.03)	
Cylinder-to-piston clearance		0.015 – 0.050 (0.0006 – 0.0020)	
Connecting rod small end I.D.		17.016 – 17.034 (0.6699 – 0.6706)	
Connecting rod-to-piston pin clearance		0.016 – 0.041 (0.0006 – 0.0016)	
Crankpin oil clearance		0.030 – 0.052 (0.0012 – 0.0020)	