

## GENERAL INFORMATION

<b>CLUTCH/GEARSHIFT LINKAGE</b>		Unit: mm (in)	
<b>ITEM</b>		<b>STANDARD</b>	<b>SERVICE LIMIT</b>
Clutch lever free play		10–20 (3/8–13/16)	_____
Clutch spring free length		49.7 (1.96)	48.3 (1.90)
Clutch disc thickness		2.92–3.08 (0.115–0.121)	2.60 (0.102)
Clutch plate warpage		_____	0.30 (0.012)
Clutch outer guide	I. D.	21.994–22.007 (0.8659–0.8664)	22.017 (0.8668)
	O. D.	34.975–34.991 (1.3770–1.3776)	34.965 (1.3766)
Mainshaft O. D. at clutch outer guide		21.980–21.993 (0.8654–0.8659)	21.95 (0.864)

<b>ALTERNATOR/STARTER CLUTCH</b>		Unit: mm (in)	
<b>ITEM</b>		<b>STANDARD</b>	<b>SERVICE LIMIT</b>
Starter driven gear O. D.		51.699–51.718 (2.0354–2.0361)	51.684 (2.0348)

<b>CRANKCASE/PISTON/CYLINDER</b>		Unit: mm (in)		
<b>ITEM</b>		<b>STANDARD</b>	<b>SERVICE LIMIT</b>	
Cylinder	I. D.	65.000–65.015 (2.5591–2.5596)	65.10 (2.563)	
	Out of round	_____	0.10 (0.004)	
	Taper	_____	0.10 (0.004)	
	Warpage	_____	0.10 (0.004)	
Piston, piston rings	Piston mark direction	“IN” mark facing toward the intake side	_____	
	Piston O. D.	64.970–64.990 (2.5579–2.5587)	64.90 (2.555)	
	Piston O. D. measurement point	11 mm (0.4 in) from bottom of skirt	_____	
	Piston pin bore I. D.	17.002–17.008 (0.6694–0.6696)	17.02 (0.670)	
	Piston pin O. D.	16.994–17.000 (0.6691–0.6693)	16.98 (0.669)	
	Piston-to-piston pin clearance	0.002–0.014 (0.0001–0.0006)	0.04 (0.002)	
	Piston ring-to-ring groove clearance	Top	0.025–0.060 (0.0010–0.0024)	0.08 (0.003)
		Second	0.015–0.050 (0.0006–0.0020)	0.08 (0.003)
	Piston ring end gap	Top	0.20–0.35 (0.008–0.014)	0.5 (0.02)
		Second	0.35–0.50 (0.014–0.020)	0.7 (0.03)
Oil (side rail)		0.20–0.70 (0.008–0.028)	1.0 (0.04)	
Cylinder-to-piston clearance		0.010–0.045 (0.0004–0.0018)	0.10 (0.004)	
Connecting rod small end I. D.		17.016–17.034 (0.6699–0.6706)	17.04 (0.671)	
Connecting rod-to-piston pin clearance		0.016–0.040 (0.0006–0.0016)	_____	
Crank pin oil clearance		0.028–0.052 (0.0011–0.0020)	0.06 (0.002)	