

ALTERNATOR/STARTER CLUTCH SPECIFICATION

Unit: mm (in)

ITEM	STANDARD	SERVICE LIMIT
Starter driven gear boss O.D.	45.660 – 45.673 (1.7976 – 1.7981)	45.60 (1.795)

CRANKCASE/CRANKSHAFT/TRANSMISSION SPECIFICATIONS

Unit: mm (in)

ITEM		STANDARD	SERVICE LIMIT	
Crankshaft	Connecting rod big end radial clearance	0 – 0.008 (0 – 0.0003)	0.05 (0.002)	
	Connecting rod big end side clearance	0.10 – 0.35 (0.004 – 0.014)	0.80 (0.032)	
	Runout	0.03 (0.001)	0.08 (0.003)	
Transmission	Gear I.D.	M4	20.000 – 20.018 (0.7874 – 0.7881)	20.04 (0.789)
		M5	17.000 – 17.018 (0.6693 – 0.6700)	17.04 (0.671)
		C1	20.500 – 20.521 (0.8071 – 0.8079)	20.55 (0.809)
		C2	23.020 – 23.041 (0.9063 – 0.9071)	23.07 (0.908)
		C3	23.025 – 23.046 (0.9065 – 0.9073)	23.07 (0.908)
	Bushing O.D.	C1	20.459 – 20.480 (0.8055 – 0.8063)	20.41 (0.804)
		C2	22.984 – 23.005 (0.9049 – 0.9057)	22.95 (0.904)
		C3	22.984 – 23.005 (0.9049 – 0.9057)	22.95 (0.904)
	Bushing I.D.	C1	17.000 – 17.018 (0.6693 – 0.6700)	17.04 (0.671)
		C2	20.020 – 20.041 (0.7882 – 0.7890)	20.07 (0.790)
		C3	20.020 – 20.041 (0.7882 – 0.7890)	20.07 (0.790)
	Gear-to-bushing clearance	C1	0.020 – 0.062 (0.0008 – 0.0024)	0.10 (0.004)
		C2	0.015 – 0.057 (0.0006 – 0.0022)	0.10 (0.004)
		C3	0.020 – 0.062 (0.0008 – 0.0024)	0.10 (0.004)
	Mainshaft O.D.	at M4	19.968 – 19.980 (0.7861 – 0.7866)	19.93 (0.785)
		at M5	16.968 – 16.980 (0.6680 – 0.6685)	16.93 (0.667)
	Countershaft O.D.	at C1	16.966 – 16.984 (0.6680 – 0.6687)	16.93 (0.667)
		at C2	19.978 – 19.989 (0.7865 – 0.7870)	19.94 (0.785)
		at C3	19.979 – 20.000 (0.7866 – 0.7874)	19.94 (0.785)
	Gear-to-shaft clearance	M4	0.020 – 0.050 (0.0008 – 0.0020)	0.10 (0.004)
		M5	0.020 – 0.050 (0.0008 – 0.0020)	0.10 (0.004)
Bushing-to-shaft clearance	C1	0.016 – 0.052 (0.0006 – 0.0020)	0.10 (0.004)	
	C2	0.031 – 0.063 (0.0012 – 0.0025)	0.10 (0.004)	
	C3	0.020 – 0.062 (0.0008 – 0.0024)	0.10 (0.004)	
Shift fork, shift fork shaft	Shift fork shaft O.D.	9.986 – 9.995 (0.3931 – 0.3944)	9.93 (0.391)	
	Shift fork I.D.	10.000 – 10.018 (0.3937 – 0.3944)	10.05 (0.396)	
	Shift fork claw thickness	4.93 – 5.00 (0.194 – 0.197)	4.50 (0.177)	

FRONT WHEEL/SUSPENSION/STEERING SPECIFICATIONS (XR125LK/LEK)

Unit: mm (in)

ITEM		STANDARD	SERVICE LIMIT
Minimum tire thread depth		–	3.0 (0.12)
Cold tire pressure	Driver only	150 kPa (1.50 kgf/cm ² , 22 psi)	–
	Driver and passenger	150 kPa (1.50 kgf/cm ² , 22 psi)	–
Axle runout		–	0.20 (0.008)
Wheel rim runout	Radial	–	2.0 (0.08)
	Axial	–	2.0 (0.08)
Fork	Spring free length	594.5 (23.41)	582.6 (22.94)
	Pipe runout	–	0.20 (0.008)
	Recommended fluid	Honda ULTRA CUSHION OIL 10W or equivalent	–
	Fluid level	179 (7.0)	–
	Fluid capacity	180 ± 2.5 cm ³ (6.1 ± 0.08 US oz, 6.3 ± 0.09 Imp oz)	–
Steering head bearing pre-load		11.8 – 17.7 N (1.2 – 1.8 kgf, 2.6 – 4.0 lbf)	–