

TRANSMISSION/GEARSHIFT LINKAGE

SERVICE INFORMATION

GENERAL

- This section covers the transmission and gearshift linkage service. These service can be done engine installed in the frame.

SPECIFICATIONS

Unit: mm (in)

ITEM		STANDARD	SERVICE LIMIT
Shift fork	I.D.	12.000 – 12.018 (0.4724 – 0.4731)	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)
Transmission	Gear I.D.	M5, M6	31.000 – 31.025 (1.2205 – 1.2215)
		C1	28.000 – 28.021 (1.1024 – 1.1032)
		C2, C3, C4	33.000 – 33.025 (1.2992 – 1.3002)
	Gear busing O.D.	M5, M6	30.955 – 30.980 (1.2187 – 1.2197)
		C2	32.955 – 32.980 (1.2974 – 1.2984)
		C3, C4	32.950 – 32.975 (1.2972 – 1.2982)
	Gear-to-bushing clearance	M5, M6	0.020 – 0.070 (0.0008 – 0.0028)
		C2	0.020 – 0.070 (0.0008 – 0.0028)
		C3, C4	0.025 – 0.075 (0.0010 – 0.0030)
	Gear bushing I.D.	M5	27.985 – 28.006 (1.1018 – 1.1026)
		C2	29.985 – 30.006 (1.1018 – 1.1026)
	Mainshaft O.D.	at M5	27.967 – 27.980 (1.1011 – 1.1016)
	Countershaft O.D.	at C2	29.967 – 29.980 (1.1798 – 1.1803)
	Bushing to shaft clearance	M5	0.005 – 0.039 (0.0002 – 0.0015)
C2		0.005 – 0.039 (0.0002 – 0.0015)	

TORQUE VALUES

Transmission holder flange bolt	29 N·m (3.0 kgf·m, 22 lbf·ft)	
Bearing set plate bolt	12 N·m (1.2 kgf·m, 9 lbf·ft)	Apply a locking agent to the threads
Shift drum center socket bolt	23 N·m (2.3 kgf·m, 17 lbf·ft)	Apply a locking agent to the threads
Shift drum stopper arm pivot bolt	12 N·m (1.2 kgf·m, 9 lbf·ft)	
Gearshift spindle return spring pin	23 N·m (2.3 kgf·m, 17 lbf·ft)	
Shift drum bolt/washer	12 N·m (1.2 kgf·m, 9 lbf·ft)	Apply a locking agent to the threads
Shift drum stopper plate flange bolt	12 N·m (1.2 kgf·m, 9 lbf·ft)	Apply a locking agent to the threads
Drive sprocket special bolt	54 N·m (5.5 kgf·m, 40 lbf·ft)	
Gearshift pedal pivot bolt	26 N·m (2.7 kgf·m, 20 lbf·ft)	
Gearshift pedal link pinch bolt	9.8 N·m (1.0 kgf·m, 7 lbf·ft)	
Link arm lock nut	9.8 N·m (1.0 kgf·m, 7 lbf·ft)	