

# 8. CLUTCH/GEARSHIFT LINKAGE

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## SERVICE INFORMATION

### GENERAL

- This section covers service of the clutch and gearshift linkage. All service can be done with the engine installed in the frame.
- Transmission oil viscosity and level have an effect on clutch disengagement. When the clutch does not disengage or the motorcycle creeps with clutch disengaged, inspect the transmission oil level before servicing the clutch system.

### SPECIFICATIONS

Unit: mm (in)

ITEM		STANDARD	SERVICE LIMIT	
Clutch	Lever free play	10 – 20 (3/8 – 13/16)	—	
	Spring free length	37.6 (1.48)	36.6 (1.44)	
	Disc thickness	A	3.5 – 3.6 (0.138 – 0.142)	3.1 (0.12)
		B	2.92 – 3.08 (0.115 – 0.121)	2.60 (0.102)
	Plate warpage	—	0.2 (0.008)	
	Outer guide	O.D.	22.959 – 22.980 (0.9039 – 0.9047)	22.93 (0.903)
		I.D.	16.991 – 17.009 (0.6689 – 0.6696)	17.04 (0.671)
Outer I.D.	30.000 – 30.021 (1.1811 – 1.1819)	23.06 (0.908)		
Mainshaft O.D. at clutch outer guide		16.996 – 16.984 (0.6680 – 0.6687)	16.935 (0.6667)	

### TORQUE VALUES

Shift drum stopper arm bolt	12 N-m (1.2 kgf-m, 9 lbf-ft)	
Gearshift cam plate bolt	12 N-m (1.2 kgf-m, 9 lbf-ft)	Apply a locking agent to the threads
Clutch center lock nut	74 N-m (7.5 kgf-m, 54 lbf-ft)	Apply oil to the threads and seating surface
Primary drive gear lock nut	64 N-m (6.5 kgf-m, 47 lbf-ft)	Apply oil to the threads and seating surface