

CLUTCH/KICK STARTER

SERVICE INFORMATION	8-1	KICK STARTER	8-11
TROUBLESHOOTING	8-2	GEAR SHIFT CAM PLATE	8-16
RIGHT CRANKCASE COVER REMOVAL	8-3	RIGHT CRANKCASE COVER	
CLUTCH	8-4	INSTALLATION	8-17
DRIVE GEAR	8-9		

SERVICE INFORMATION

GENERAL

- This section covers removal and installation of the clutch, kick starter and right crankcase cover. All these operations can be accomplished with the engine installed.
- When the clutch discs are replaced, coat new discs with engine oil prior to assembly.

SPECIFICATIONS

ITEM		STANDARD	SERVICE LIMIT
Clutch	Lever free play (at lever end)	10–20 mm (3/8–3/4 in)	—
	Spring free length	44.7 mm (1.76 in)	43.1 mm (1.70 in)
	Spring preload/length	30 ± 1.5 kg/28.5 mm (66.2 ± 3.31 lb/1.12 in)	—
	Disc thickness	2.92–3.08 mm (0.115–0.121 in)	2.6 mm (0.10 in)
	Plate warpage	—	0.15 mm (0.006 in)
	Clutch outer I.D.	27.000–27.021 mm (1.0630–1.0638 in)	27.05 mm (1.065 in)
	Outer guide	O.D.	26.959–26.980 mm (1.0614–1.0622 in)
I.D.		21.990–22.035 mm (0.8657–0.8675 in)	22.05 mm (0.868 in)
Kick starter	Starter idler gear I.D.	20.000–20.021 mm (0.7874–0.7882 in)	20.11 mm (0.792 in)
	Starter idler gear bushing I.D.	16.000–16.018 mm (0.6299–0.6306 in)	16.03 mm (0.631 in)
	Starter idler gear bushing O.D.	19.959–19.980 mm (0.7858–0.7866 in)	19.90 mm (0.783 in)
	Kick starter gear I.D.	25.500–25.521 mm (1.0039–1.0048 in)	25.58 mm (1.007 in)
	Kick starter pinion bushing I.D.	21.995–22.015 mm (0.8659–0.8667 in)	22.07 mm (0.869 in)
	Kick starter pinion bushing O.D.	25.465–25.485 mm (1.0026–1.0033 in)	25.41 mm (1.004 in)
	Kick starter spindle O.D.	21.959–21.980 mm (0.8645–0.8654 in)	21.90 mm (0.862 in)
	Countershaft O.D. (starter idler)	15.966–15.984 mm (0.6286–0.6293 in)	15.93 mm (0.627 in)