

may slip. Furthermore, if the lengths of the springs differ, the clutch will be difficult to disengage. Measure the free length of each spring and replace any one not in tolerance.

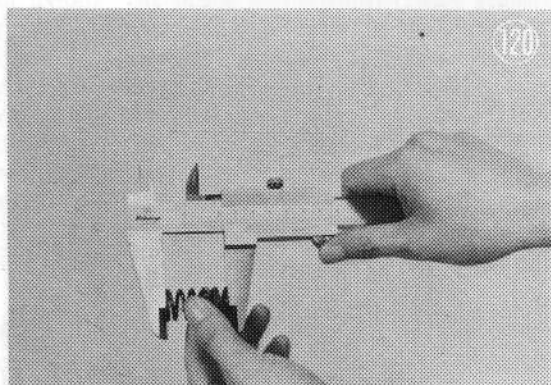
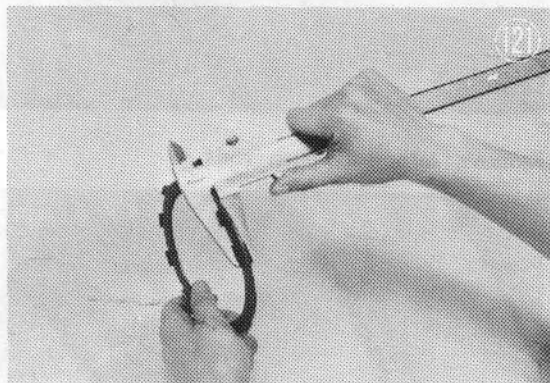


Table 12 Spring Length

| Model | Standard | Service Limit |
|-------|---------------------|---------------------|
| H1 | 1.417 in. (36.0 mm) | 1.339 in. (34.0 mm) |
| H2 | 1.26 in. (32 mm) | 1.18 in. (30 mm) |

b. Friction Plates

Check the cork portion for wear or damage. Measure the thickness of the plates and replace any worn out of tolerance, or where uneven wear or damage is evident.



Friction Plate Thickness

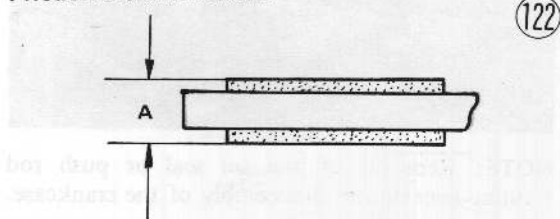


Table 13 Friction Plate Thickness

| Model | Standard | Service Limit |
|--------|-----------------------------------|----------------------|
| H1, H2 | .110 + .004 in. (2.8 + 0.1 mm) | .098 in. (2.5 mm) |

c. Clutch Housing and Friction Plates

Check gap B between the projections on the friction plates and the clutch housing. Too wide a clearance will cause clutch noise, and too narrow a clearance will prevent the clutch from disengaging properly.

Friction Plate Clearance

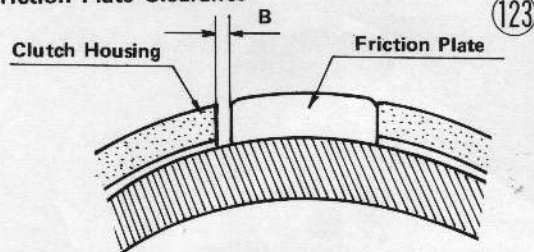


Table 14 Clutch Housing/Plate Clearance

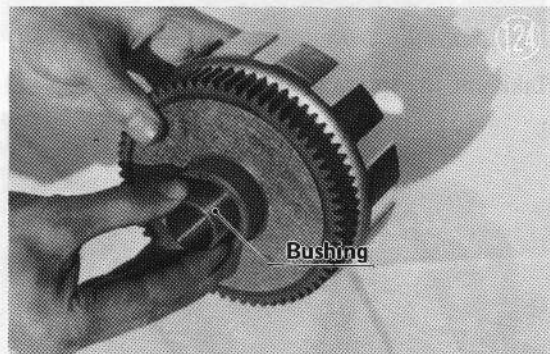
| Model | Standard |
|-------|------------------------------------|
| H1 | .0039 – .0157 in. (0.10 – 0.40 mm) |
| H2 | .0035 – .0157 in. (0.09–0.40 mm) |

d. Clutch Housing

Check the gear teeth for nicks or damage. Depending on the extent of damage, grind the teeth smooth with an oilstone, or replace the gear.

c. Needle Bearing

Check the needle bearing and bushing in the clutch housing for play as illustrated. Too much play, or damage to the bearing or bushing will cause clutch noise.



f. Clutch Release

(1) Put the inner and outer clutch release gears together and move them back and forth to check for play. Too much play, or cracks or other damage will prevent smooth operation of the clutch. If this is the case, replace the two gears as a set.

