

SF/PB 250 Armature Release Spring

P-1367
819-0029

Installation Instructions

⚠ WARNING Failure to follow these instructions may result in product damage, equipment damage, and serious or fatal injury to personnel.

In the normal installation of a size 250 clutch or brake, no provision is made to provide a positive clearance between friction surfaces. Installation of the release springs, as described below, will maintain a clearance between the armature and rotor or replaceable face when the unit is de-energized. This feature will eliminate the objectionable noise or drag often developed in units without the release springs.

The instructions which follow, apply to armature hubs which have a snap ring groove wide enough only for the snap ring and the release spring.

Accessory No. 5103-101-003 contains 2 release springs for size 250.

The following steps should be followed for installation:

1. Insert the hub (clutch hub or clutch coupling hub) with snap ring intact, into the armature from the backing plate side as shown. Place the assembly segmented side down. (See Figure 1)



Figure 1

2. Insert both release springs into the holes of the armature backing plate as shown in figure 2. Bow the springs as necessary to insert into the armature. The springs are curved in the free state. The curve at the center of the spring will bear against the snap ring when in place.

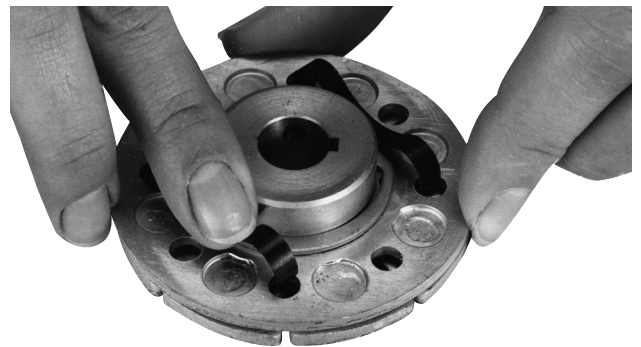


Figure 2

3. Slide armature and hub assembly on the shaft until the armature is in contact with the mating rotor or replaceable face. Then slide armature hub back approximately 1/32" for free running clearance as shown. (See Figure 3)



Figure 3

With the armature hub secured to the shaft and the coil de-energized, the springs will return the armature axially on the spline until it makes contact with the snap ring.

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