

6109586 BELLOWS KIT

INSTALLATION

The Bellows Kit provides parts to keep excess grindings, dirt, etc. out of the carriage assembly on a 610 Bedknife Grinder. To install the two bellows:

1. Remove the left and right outside leg panels from the Grinder.
2. Remove the formed-steel sheet, See FIG. 4, which supports the rubber splash guard, at the rear of the carriage - two screws.
3. Remove the shaft seal on each side of the linear actuator. See FIG. 1. NOTE: When the bellows are used, the shafts don't get lubricated and the seals would run dry. They would then become noisy and not operate properly.

To remove the seals:

- a. Crank the carriage all the way toward the front (that is, toward the operator's position).
- b. Remove the actuator mounting screw on top of the carriage. See FIG. 1. Then push the carriage toward the right end of the Grinder.
- c. Loosen the two set screws in the bearing pillow block at each end of the drive shaft. Loosen the two set screws in the drive coupling at the right end of the carriage.
- d. Turn the actuator release lever clockwise 1/2 turn until the actuator is released from the shaft. See FIG. 1.
- e. Slide the drive shaft out the left end of the machine.
- f. Remove the shaft seals from the actuator - two screws each. Discard the seals, spacers, screws, and lock washers.
- g. Reinstall the drive shaft. The right end of the shaft (inside the coupling) should be 1/8 - 1/4" [3 to 6.5 mm] from the end of the motor shaft. Retighten all set screws.
- h. Push the carriage back to the left, and reattach the actuator with the mounting screw. See FIG. 1. Turn the actuator release lever, 1/2 turn.

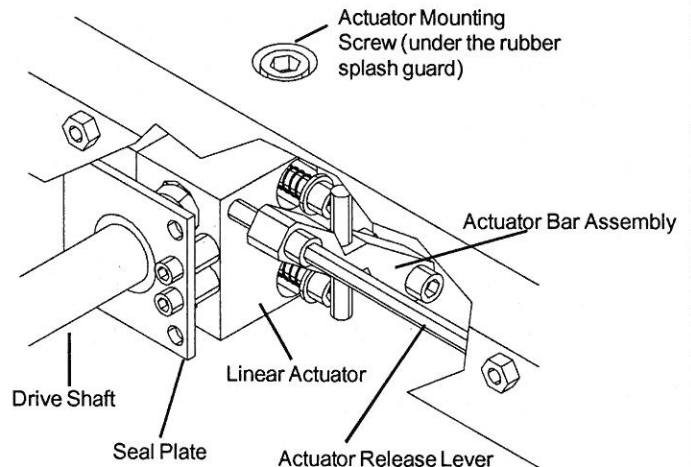


FIG. 1

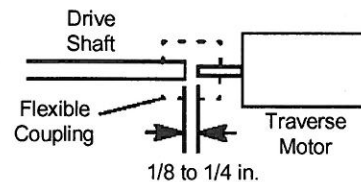


FIG. 2

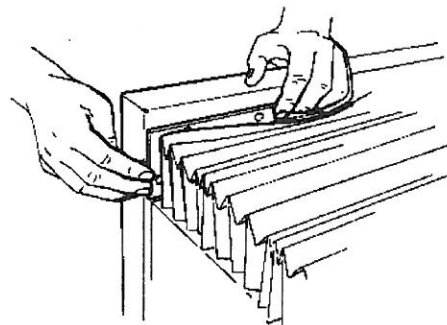


FIG. 3

INSTALLATION (Continued)

4. Remove the two rail wiper brackets from each side of the carriage - two screws each. See FIG. 4.
5. Attach the outer end of each bellows to the Grinder leg panel. See FIG. 3. Use six bolts, and hex nuts, at each end. The bolt heads go on the bellows side of the brackets.
6. Attach the inner end of each bellows to the carriage. See FIG. 4. Use four L-brackets, (two on each side of the last bellows fold), six bolts, and two hex nuts at each end. Nuts are required only for the lower holes of the L-brackets.
7. Press the bellows down until it snaps onto the carriage rails.
8. Reattach the splash guard support. Reattach the left and right outside leg panels.

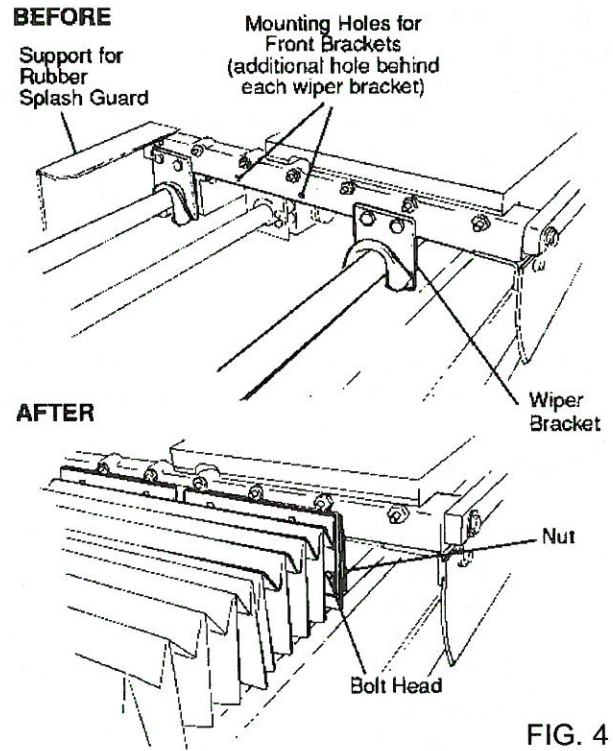


FIG. 4

PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	QTY
1	B250818	Phillips Pan-Head Screw, 1/4-20 x 1/2"	24
2	R000552	Keps Nut, 1/4-20	16
3	6009098	Bellows Retainer	4
4	6109086	Bellows, Rail, Short	2

