

## REPLACING A BRUSH ROLLER (Fig. 29)

When the brush roller can no longer provide the desired dampening action, it must be replaced.

### Removing The Brush Roller

1. Drain and remove the dampener fountain pan.
2. Remove the cap screws from both sides of the non-skid floor plate.
3. Remove the floor plate.

**CAUTION: BE CAREFUL NOT TO DAMAGE THE WEB SUPPORT WIRES.**

4. Loosen the lock screws in the collars at each end of the roller shaft and slide the collars toward the brush.

5. Remove the cap screws and washers from the sleeves at each end of the shaft and slide the sleeves toward the brush.

6. Move the roller toward the drive side until it is clear of the operating side frame.

**CAUTION: WHEN PERFORMING THE NEXT STEP, SUPPORT THE ROLLER SO IT DOES NOT FALL.**

7. Pull the free end of the roller down and toward you, and remove the roller.

### Installing The Brush Roller

1. Place the collars and sleeves on the roller shaft.
2. Install the unnotched end of the shaft in the drive side frame.
3. Install the notched end of the roller shaft in the operating side frame and rotate it to engage with the drive shaft.

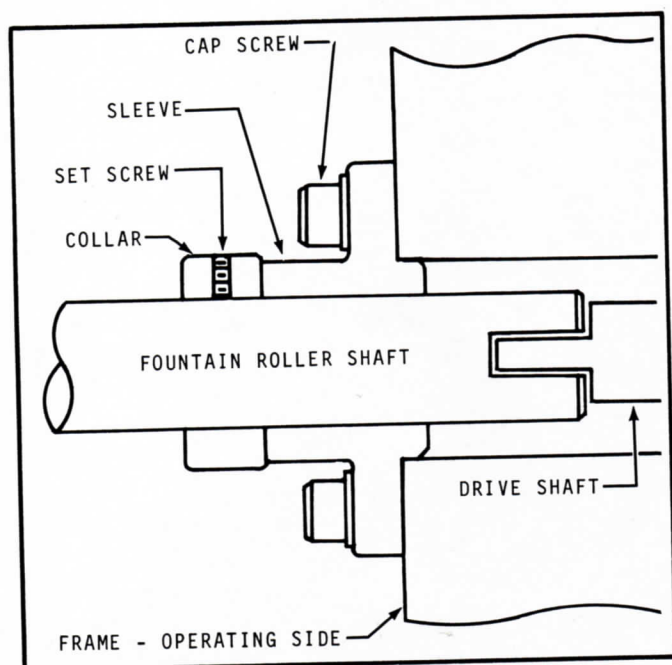


Figure 29

REMOVING THE BRUSH DAMPENER ROLLER

4. Slide the sleeves and collars into place and tighten the screws.

5. Replace the nonskid floor plate and the fountain pan.

## ROLLER CARE

Rubber rollers should be cleaned frequently to prevent glazing. For longer life, they should be rested periodically.

**NOTE:** When resting rollers, do not lay them flat on the rubber covering. Support them by the shaft, either on blocks or on end.

Consult the roller supplier for detailed instructions on proper care of rubber rollers.

## DAMPENER FOUNTAIN

The fountain pan should be kept free of scrap paper and debris at all times and drained regularly. Remove the plug from the drain hose and flush the pan with clean water. Replace the plug. Periodically, it is necessary to clean the pan thoroughly by removing it from the unit and scrubbing it.

## IRON-TO-IRON SETTINGS (Fig. 30)

The iron-to-iron distance between the plate and impression cylinders is set when the press is installed and rarely, if ever, needs to be adjusted.

If adjustments to the iron-to-iron settings become necessary, make the adjustments by setting blanket cylinder #12 to plate cylinder #13. When the setting between those two cylinders is correct, set blanket cylinder #11 to blanket cylinder #12.

The position of plate cylinder #10 was set and fixed when the press was installed — it is not adjustable. When the iron-to-iron distances are correct between cylinders #12 and #13 and #11 and #12, the setting will be correct between cylinders #10 and #11. If the setting between #10 and #11 is not correct after the other adjustments have been made, contact the Goss Customer Service Department.

### Checking The Settings

To Check the Setting, use the gauges furnished with the press. The settings between all the cylinders are shown in Figure 30.

1. Remove the plates and blankets from the cylinders.
2. Throw the impression ON.
3. Check the iron-to-iron distance between each of the cylinders. Check at both sides about two or three inches from the ends.

The GO gauge must fit between the cylinders, and the NO-GO gauge must not fit. If the settings are not within these limits, adjust them.

To Adjust the Settings, make the following adjustments on both the operating and drive sides of the unit. It is best to have two men, one on each side, working together.

**NOTE:** All adjustments must be made in the sequence given.

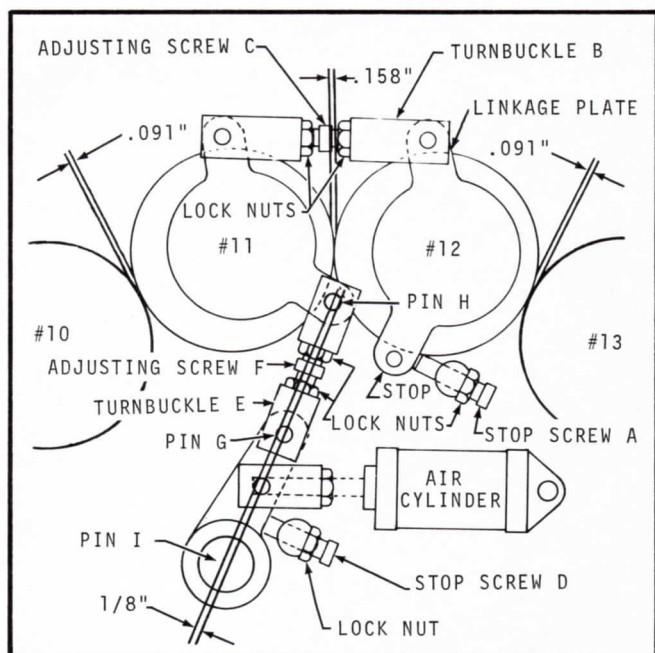


Figure 30 IRON-TO-IRON SETTINGS

### Setting Blanket Cylinder #12 To Plate Cylinder #13

1. Open the housing on the operating side of the unit and open the door on the drive side. Figure 30 shows the linkage arrangement on the operating side. The linkage on the drive side is identical.

2. Loosen the lock nut on stop screw A.
3. Turn the stop screw away from the stop about two turns.
4. Loosen the lock nuts on turnbuckle B.

5. To decrease the iron-to-iron distance, turn adjusting screw C so that the two linkage plates move toward each other until the correct setting is reached.

6. Turn stop screw A in until it is snug against the stop and tighten the lock nut.

### Setting Blanket Cylinder #11 To Blanket Cylinder #12

1. Loosen the lock nut on stop screw D.
2. Turn the stop screw away from the lever about 3/8 inch.
3. Loosen the lock nuts on turnbuckle E.
4. Turn adjusting screw F until the center of pin G is about 3/8" past the center line of pins H and I toward the air cylinder.
5. To decrease the iron-to-iron distance, turn adjusting screw C so that the two linkage plates move away from each other until the correct setting is reached.

NOTE: While making this adjustment, be sure the stop on the #12 blanket cylinder stays firmly against stop screw A.

6. Tighten the lock nuts on turnbuckle B.
7. Adjust turnbuckle E until the center of pin G is 1/8" past the center line of pin I and H toward the air cylinder.

8. Turn stop screw D in until it is snug against the stop and tighten the locknut.

9. Tighten the locknuts on turnbuckle E.

10. Throw the cylinders on and off impression several times and recheck the setting. Adjust again if necessary.

11. Close the housing and door.

## BLANKETS

Blankets should be removed from the press, scrubbed and rested after about 4 to 6 months of operation — sooner if subjected to heavy use.

Before each run, check the blanket surface for smashes, nicks, signs of excessive tackiness, and wear. Replace blankets as necessary.

### Blanket Packing

Thickness of blanket plus packing is .081 inch. Measure the blanket and packing with a blanket micrometer to make sure that they are the correct thickness.

1. Cut the packing 1/4 inch shorter than the width of the blanket, and 1 inch longer than the length of the blanket.

2. Make a 1/2 inch fold in one end of the packing. If more than one sheet of packing is to be used, glue them together on the 1/2 inch fold only.

### Punching Blankets

1. Check that the grain of the blanket, as indicated by the colored thread or arrow, runs along the short dimension around the cylinder. See Figure 31.

2. Lay the blanket on a clean flat surface, printing side up. Print the edge of the template marked "Blanket Edge" flush with one end of the blanket and mark the holes.

3. Turn the template around and place the edge marked "Blanket Edge" flush with the other end of the blanket. Mark the holes.

4. Punch the seven 5/32 inch holes in each end of the blanket.

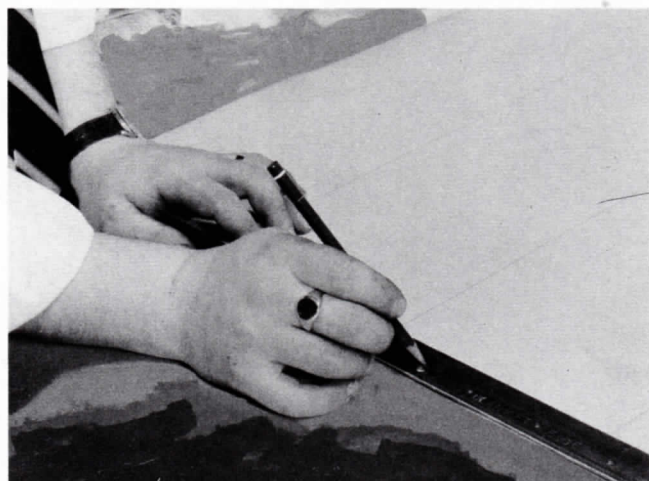


Figure 31

MARKING A BLANKET