

37 PAPER WINDER
FOR FRICTION FEED SETS

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1. GENERAL

1.01 This section provides description, installation, adjustments, and lubrication information for the 37 paper winder.

1.02 The 37 paper winder can be mounted to the rear of the standard 37 tables, and will accommodate paper widths from 4-1/2 to 8-1/2 inches. It will wind up to 400 feet of single copy (0.0034 to 0.0043 inch thick), friction feed paper – it will not wind multicopy paper.

1.03 Paper can be inserted into the spindle without preliminary folding or squaring the leading edge of the paper. To remove paper, turn the power off using the ON-OFF switch on the winder. Remove the spindle and pull the paper guide flanges apart to remove the roll of paper. The paper will leave the spindle easily without distorting its shape.

2. DESCRIPTION

2.01 The paper winder consists of a main mounting bracket, motor, motor cover, paper spindle assembly, mercury switch, resistor with associated paper slack bail, on-off switch, copy display rack, fuse, and miscellaneous hardware.

2.02 The winder has a “pull-back” feature that allows the cover to be opened when paper has been routed to the winder without feeding out additional paper or removing the spindle.

2.03 The paper feeds out from the set cover, and is routed over the display rack, under the paper slack bail, and around the spindle (Figures 2 and 4). When the paper slack bail is in its lowermost position, the mercury switch on the bail and the motor are on. The drive pin on the motor contacts the flange rod and winds the paper.

2.04 As the paper winds, the slack bail is raised and the mercury switch tilts to the off position. Current then flows through a resistor connected to the mercury switch to prevent further operation of the motor. (This action minimizes the pull on the paper feeding mechanism.) Approximately 30 lines will have to feed out before the slack bail will again be in position to start the winder motor through the action of the mercury switch.

TECHNICAL DATA

2.05 The motor current is controlled by a mercury switch that is attached to the paper slack bail. The motor drive to the winder is direct without clutches or pulleys.

2.06 The following summarizes the technical data for the paper winder.

- (a) Fuse 5 ampere
- (b) Power cord 8 feet
- (c) Additional height 7 inches
- (d) Additional depth 7-1/2 inches
- (e) Power 50-60 hertz
115 volts ac \pm 10%

3. INSTALLATION

ON TABLES WITH CENTER BACK PANEL

3.01 To install the paper winder on tables with a center back panel (Figure 1), remove the two screws securing the back panel to the rear of the table. Remove the panel by raising the bottom and pivoting the panel away from the table.

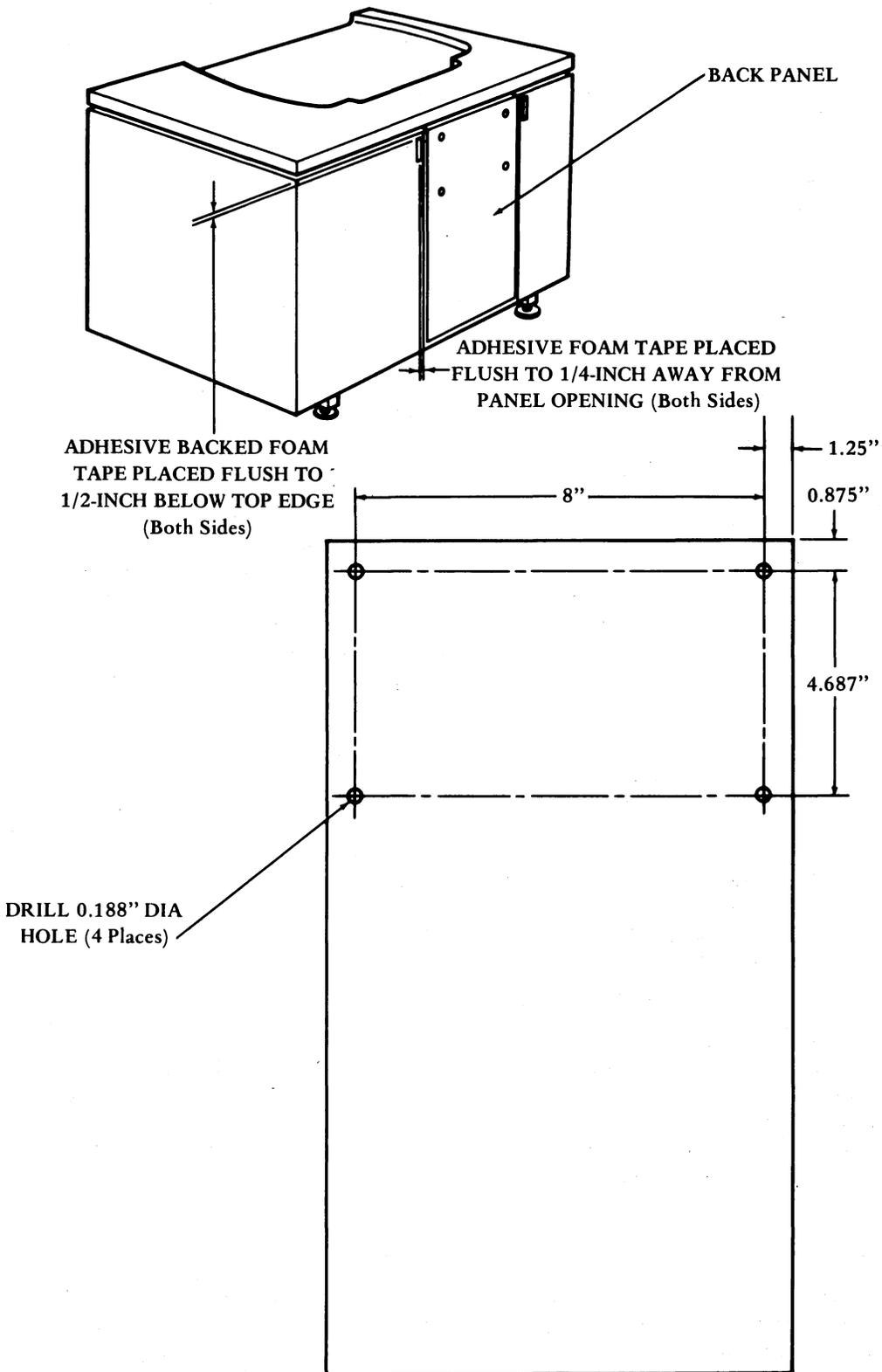


Figure 1 - Tables With Center Back Panel

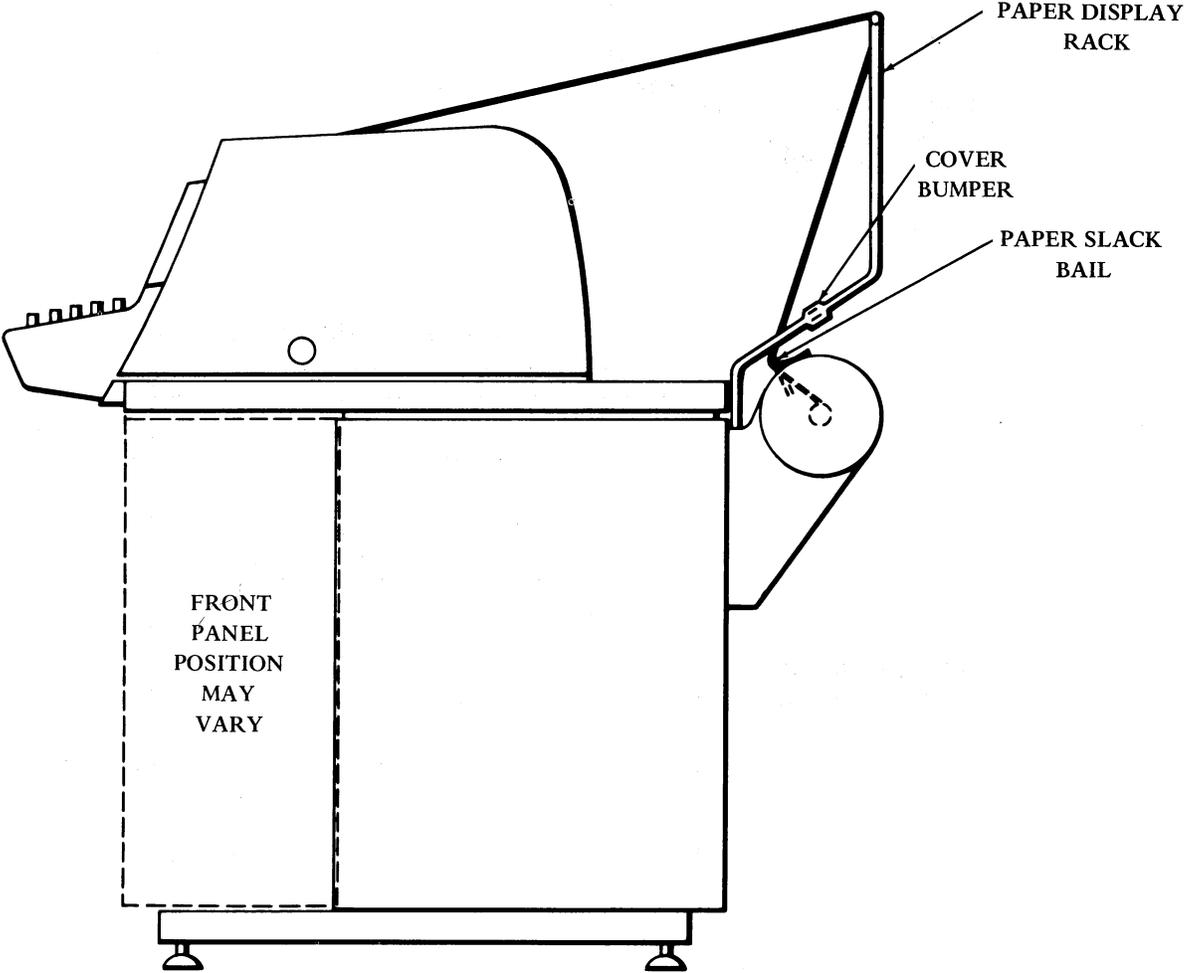


Figure 2 - Side View Tables With Center Back Panel

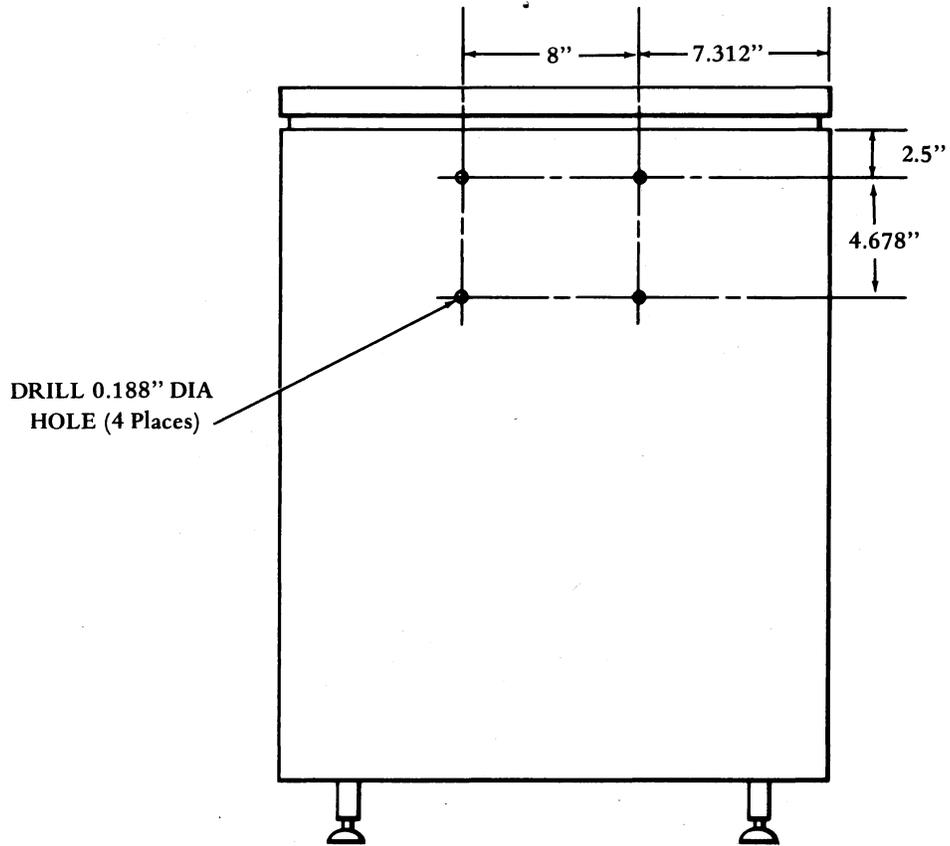
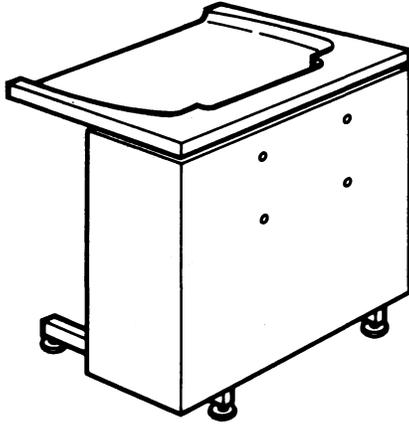


Figure 3 - Table Without Center Back Panel

- 3.02 Four holes must be drilled in the back panel. Figure 1 shows the location of the holes.
- 3.03 After the holes have been drilled in the back panel, mount the winder using four screws, lockwashers, nuts, and eight flat washers provided in a small bag tied to the winder (Figure 5).
- 3.04 Apply two pieces of self-adhesive foam tape to the outside of the table adjacent to the opening for the back panel (Figure 1).
- 3.05 Replace the back panel with winder attached and secure it in place with the original mounting hardware. Make sure the channel on the back panel interlocks with the channel on the table.
- 3.06 Insert the display rack and route the paper as shown in Figure 2.

- 3.07 Check the alignment of the paper with the spindle assembly. If necessary, correct the paper routing. Check typing unit paper fingers for proper location, and perform the adjustments in Part 4.

ON TABLES WITHOUT CENTER BACK PANEL

- 3.08 To prevent damage during drilling, remove the electrical service unit from the set. Refer to Figure 3 for drilling location for winder mounting holes.
- 3.09 After the holes have been drilled, mount the winder with the hardware provided in the small bag tied to the winder. See Figure 5.
- 3.10 Replace the electrical service unit.
- 3.11 Insert the display rack and route the paper as shown in Figure 4.

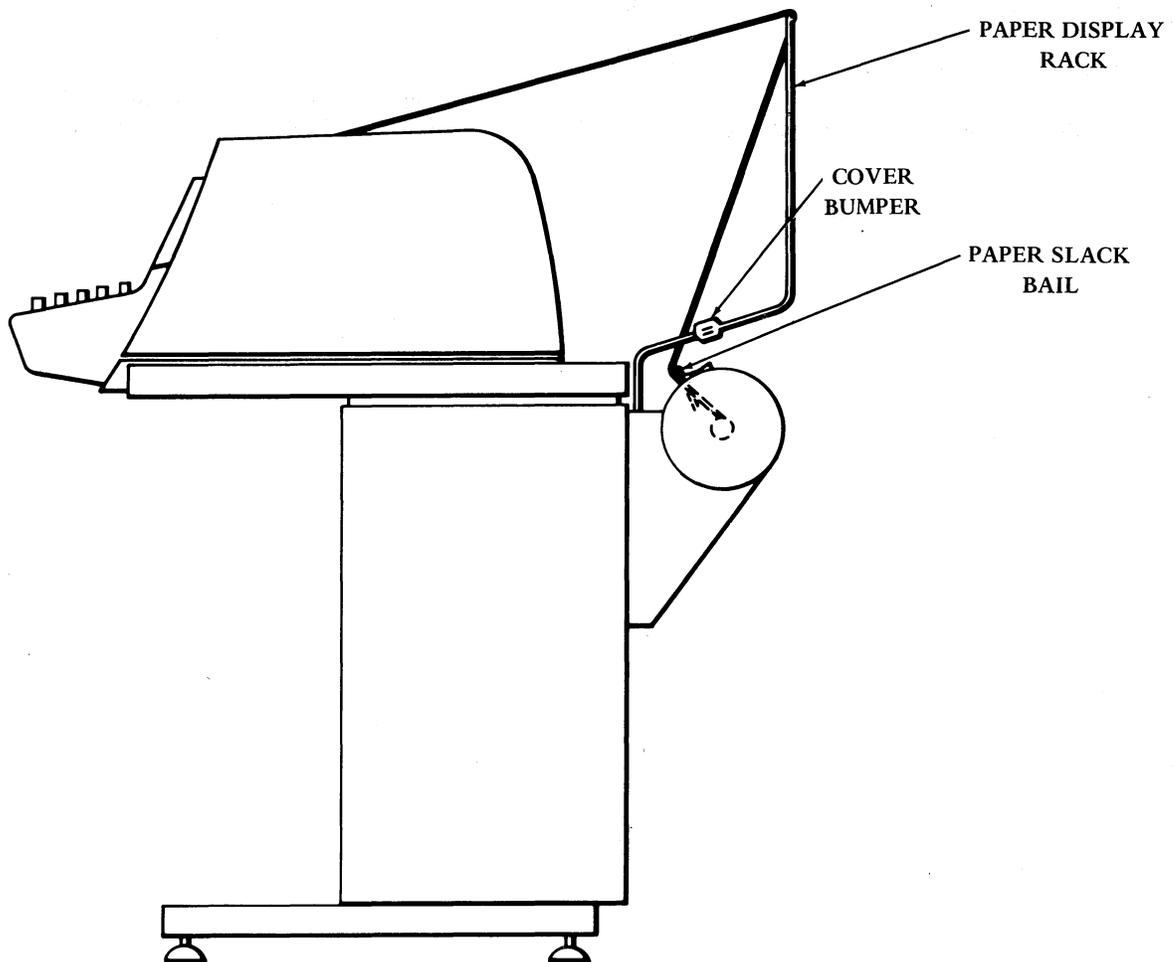


Figure 4 - Table Without Center Back Panel

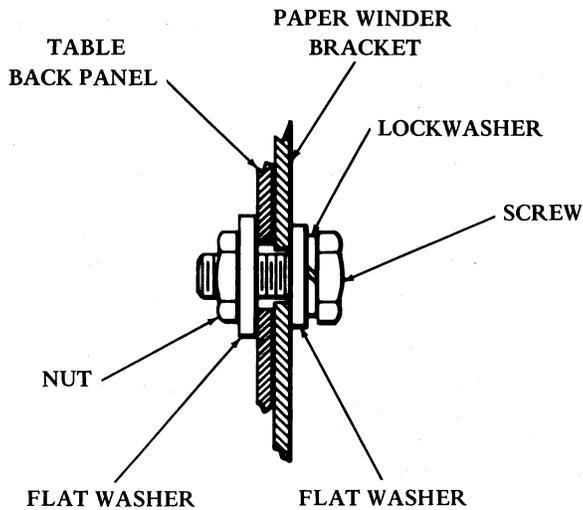


Figure 5 - Paper Winder Mounting

3.12 Check the alignment of the paper with the spindle assembly. If necessary, correct paper routing. Check typing unit paper fingers for proper location.

3.13 Make the adjustments described in Part 4.

4. ADJUSTMENTS

CAUTION: DISCONNECT POWER TO PAPER WINDER BEFORE SERVICING.

4.01 Refer to Figure 6, and make the Mercury Switch Position adjustment.

4.02 When the cover is in the open position, it should rest on the bumper on the display rack (Figure 1 or 3). Position the bumper on the display rack accordingly.

4.03 If necessary, check the 5-ampere fuse under the motor cover next to the ON-OFF switch. Loosen the motor cover mounting screw, turn the motor cover counterclockwise, and move the cover away from the winder unit.

5. LUBRICATION

5.01 Place one drop of KS7470 oil on each pivot point of the paper slack bail.

5.02 The pivot point should be lubricated in accordance with set lubrication after installation.

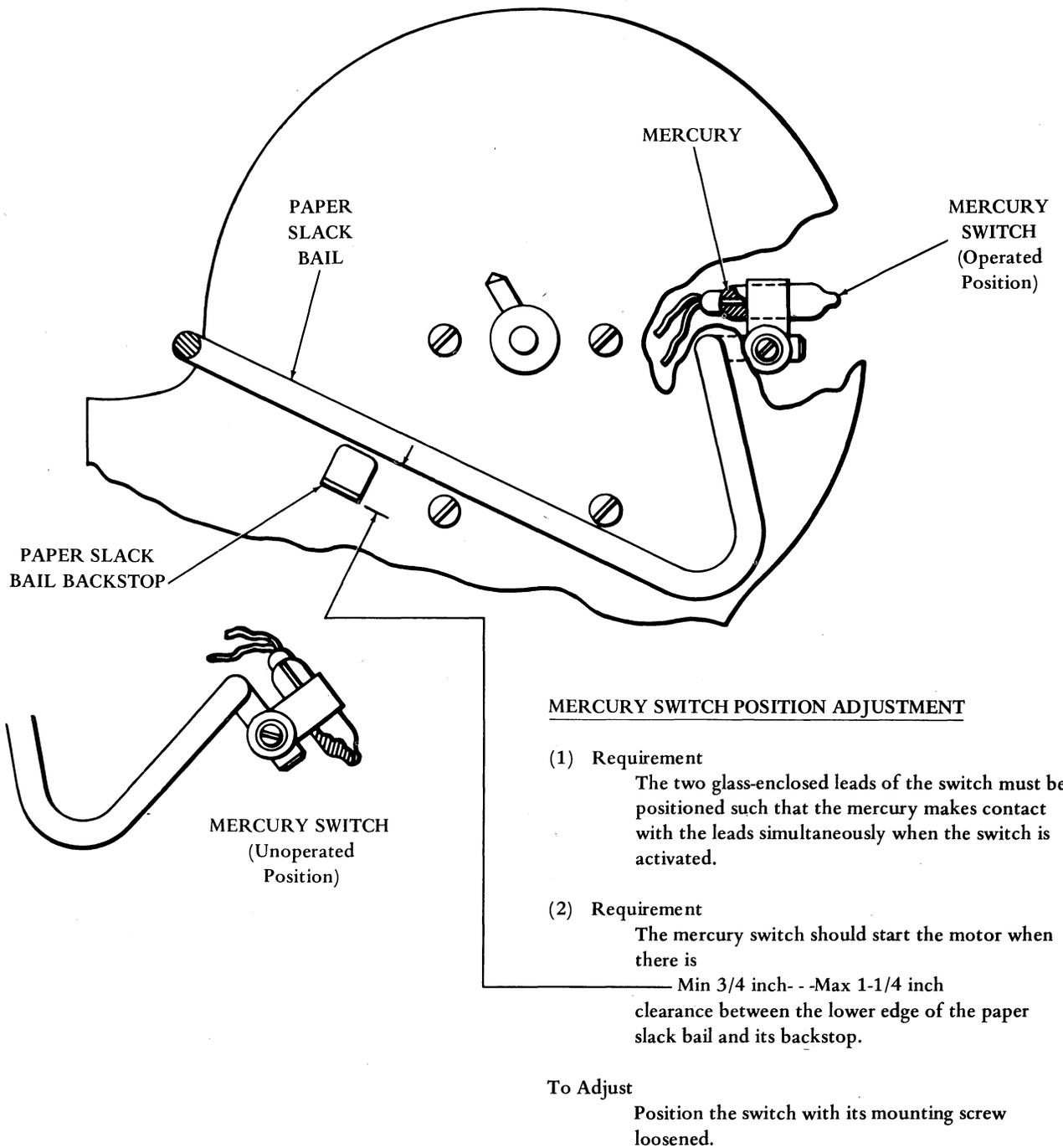


Figure 6 - Mercury Switch Adjustment