

SHOP PROCEDURE
INSTALLATION OF A. E. CO. ANTI-STUFFING DEVICE
COIN-RETURN CHUTE ON A. E. CO. PAYSTATIONS

1. GENERAL

1.01 This section contains instructions for installing an anti-stuffing device coin-return chute on a paystation.

1.02 Special tools required for installation of an anti-stuffing device coin-return chute are a P-70294 drill jig, a #20 drill (0.161 inch), an 82-degree countersink, and a P-70293 conversion kit which consists of the following:

- (a) 1, P-11845 Coin-Return Escutcheon.
- (b) 1, P-11848 Swivel Pin.
- (c) 1, P-11858-A Anti-Stuffing Device.
- (d) 1, P-60617 Coin-Return Chute.

2. PROCEDURE

2.01 Disassemble paystation as follows:

- (1) Remove paystation upper housing.
- (2) Remove cash compartment cover and coin box.

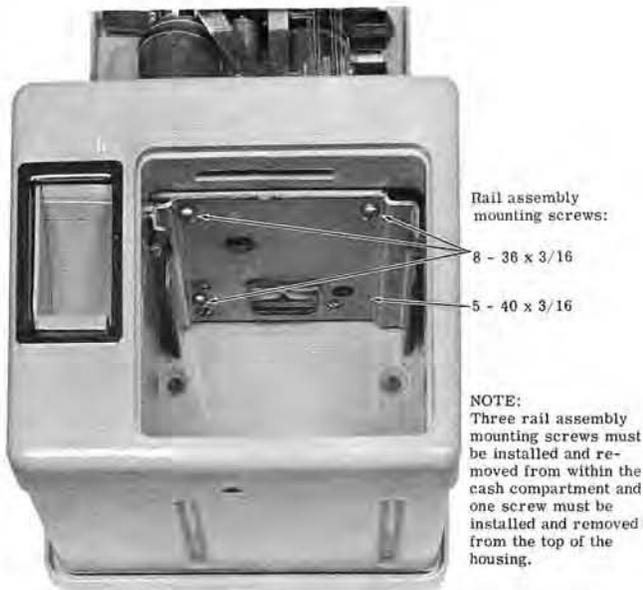


Figure 1.

- (3) Using an offset screwdriver, remove the three screws within the cash compartment that secure the rail assembly to the lower housing (see Fig. 1); remove the fourth rail assembly mounting screw from the top of the lower housing. Remove assembly from cash compartment.
- (4) Remove five mounting screws from the rear of the back plate (see Fig. 2).

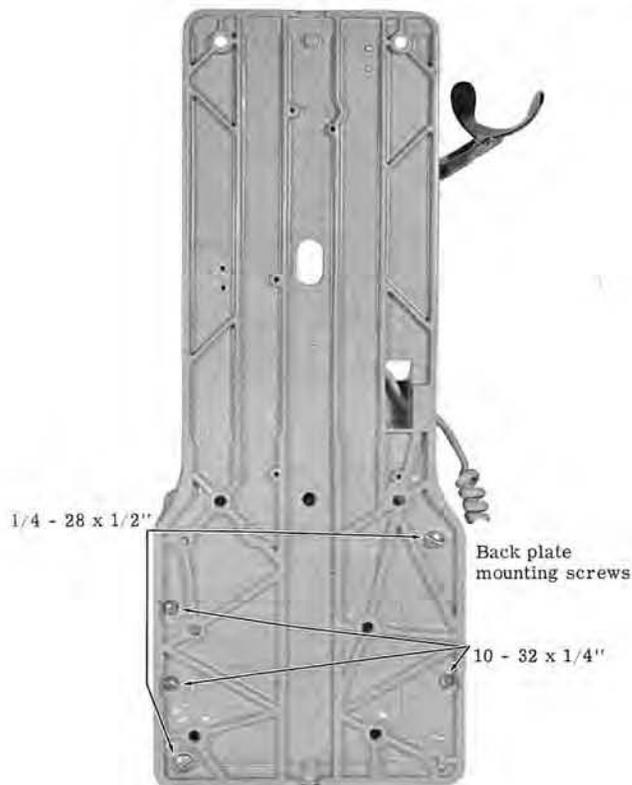


Figure 2.

- (5) Remove dust cover clip and dust cover. Remove the two screws which attach the coin relay mounting base to the mechanism base (see Fig. 3). Carefully withdraw the coin relay assembly from the mechanism base and lay aside. Do not disconnect wire connections.
- (6) Remove the two remaining screws which attach the back plate to the lower



Figure 3.

housing (see Figs. 4 and 5). Access to the back plate mounting screw shown in Fig.5 is attained by placing a screwdriver with a blade of approximately 6

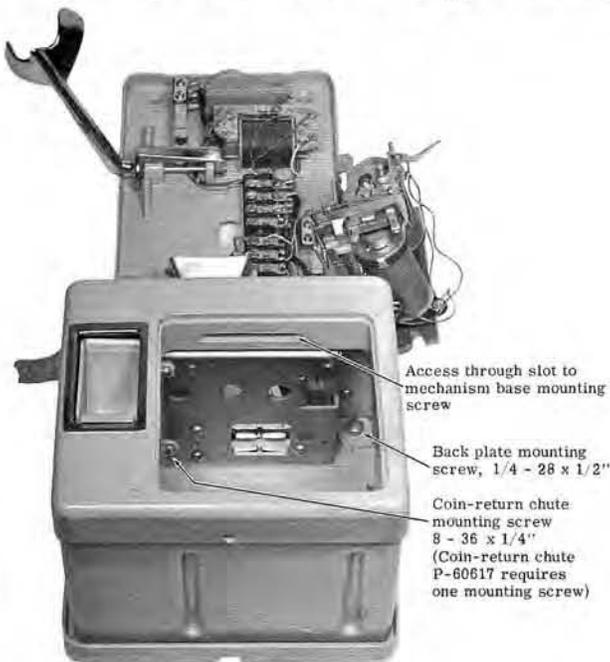


Figure 4.

inches through the slot (shown above the mounting screw in Fig. 5) and onto the screw. Remove lower housing from back plate. Be careful not to disturb relay assembly wire connections.

- (7) Remove four screws which attach mechanism base to lower housing (see Figs.3 and 4). Remove coin-return chute and mechanism base.

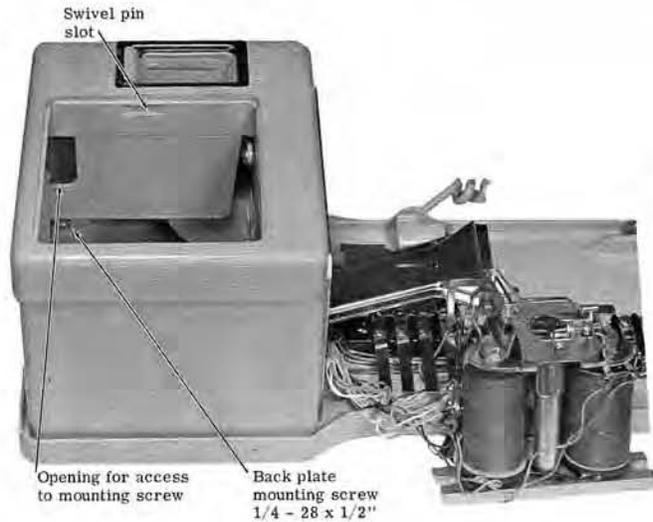


Figure 5.

- (8) Remove escutcheon by prying bottom flange away from housing (on inside of housing) or, on older paystations, remove four drive pins (retain two drive pins).

2.02 Drill housing and install anti-stuffing device coin-return chute as follows:

- (1) Coin-return opening on older paystations will require widening to accommodate the anti-stuffing device. If opening is 1-1/4 inches, mill the opening to 1-5/16 inches (see Fig. 6).
- (2) Place lower housing on its right side (right side as paystation is normally viewed from front).
- (3) Place drill jig (P-70294) on lower housing in coin-return opening and clamp tight as shown and according to the instructions in Fig. 7.

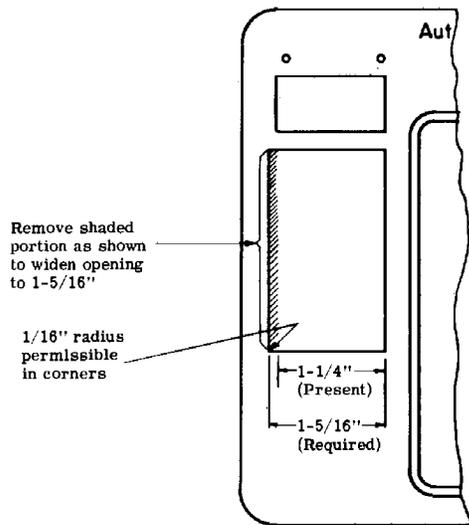


Figure 6.

- (4) Using the jig and a #20 drill (0.161 inch), preferably mounted in a drill press, drill hole through outside of housing and inner partition (see Fig. 8).
- (5) Using an 82-degree countersink, countersink outside hole to 5/16 inch outside diameter to accommodate swivel pin (see Fig. 8).
- (6) On older paystations, plug two upper escutcheon holes with drive pins removed in step (8) of paragraph 2.01 (see Fig. 10).

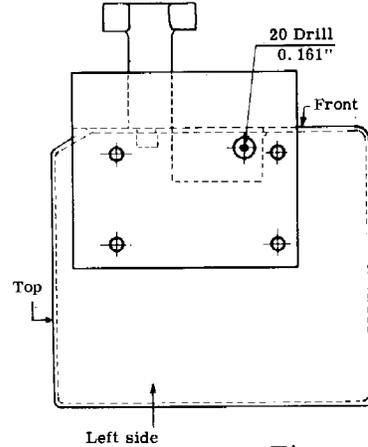


Figure 7.

- Method of application
1. Prior to insertion of Jig into opening, turn knob clockwise as far as it will go.
 2. Insert jig into opening ensuring that jig is nested solidly against lower edge of opening.
 3. Turn knob counter clockwise as far as it will go. This action will lock the jig into position for accurate drilling of pivot pin hole.

- (7) Insert new escutcheon (P-11845) into coin-return opening. Place lower housing on work bench so that face of escutcheon is flush with work bench surface. Bend over escutcheon bottom flange against inside of housing.
- (8) Place lower housing upright on work bench. Place refund chute in lower housing with grooved pin to front at coin-return opening (see Fig. 9).
- (9) Insert end of coil spring into liphole of anti-stuffing device (see Fig. 9), then close up loop of spring.
- (10) Turn anti-stuffing device one-half turn so that its handle is pointing down.

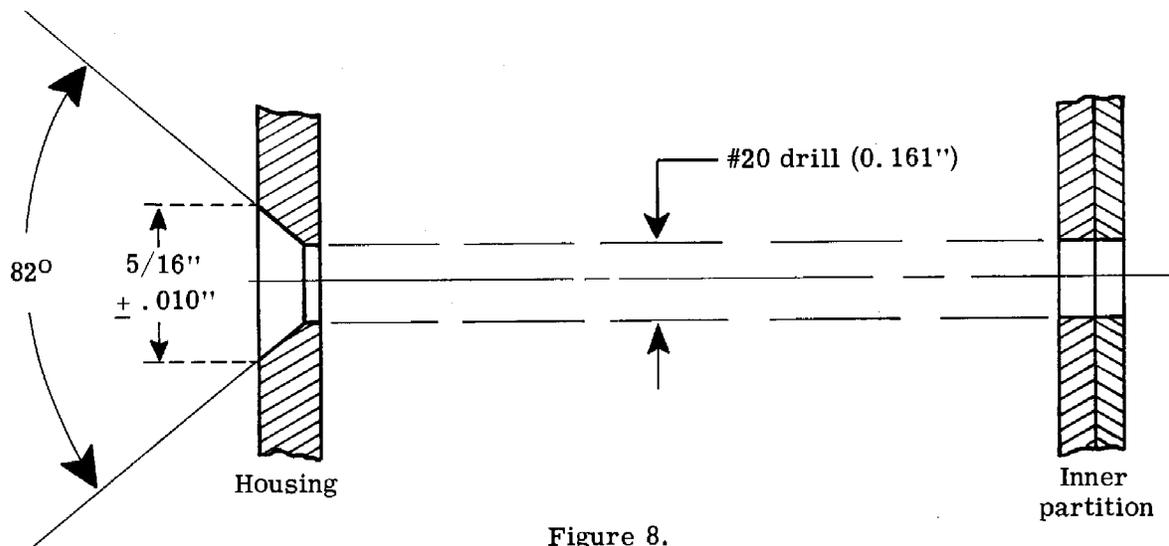


Figure 8.

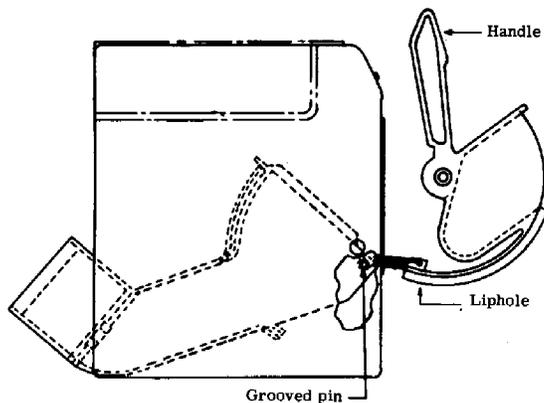


Figure 9.

- (11) Insert anti-stuffing device into coin-return chute (see Fig.10). Align holes of anti-stuffing device, coin-return chute, and lower housing so that swivel pin can be inserted.

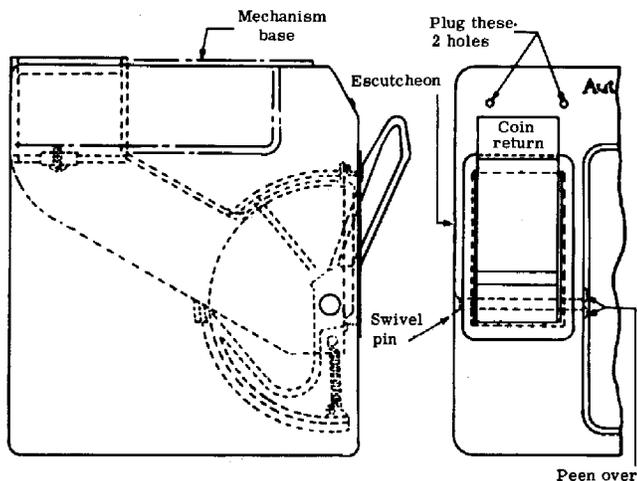


Figure 10.

- (12) Insert swivel pin. Lay the housing on the work bench with the left side down so that the head of the swivel pin is flush against the work bench. Peen over legs of swivel pin against side of partition within slot (see Figs.5 and 10). Legs must be peened completely into slot. If any portion of legs protrudes above slot, installation of cash compartment door may not be possible.

2.03 Reassemble paystation as follows:

- (1) Remove mounting screws that attach old coin-return chute to mechanism base.

- (2) Place the mechanism base in position on lower housing with mounting holes aligned and install mechanism base mounting screws (see Figs.3 and 4). Install the screw through the slot last (see Fig.4); Use adhesive material such as beeswax on tip of screwdriver to hold screw during insertion.
- (3) Install coin-return chute mounting screw (see Fig.4).
- (4) With the lower housing upright, place the back plate and relay assembly in position for attachment. Be careful not to disturb relay assembly wire connections.
- (5) Install five back plate mounting screws from rear of back plate (see Fig.2).
- (6) Align relay assembly so that coin trigger lever is positioned through both slots in coin hopper (see Fig.3) and does not touch any side of slots. Trigger will rest against top of slots. Install relay base mounting screws (see Fig.3) maintaining trigger alignment in slots. Check for free trigger movement after base mounting screws have been installed.
- (7) Place back plate and lower housing down on bench so that opening in cash compartment faces up. Install back plate mounting screws shown in Figs.4 and 5. To install screw shown in Fig.5, attach screw to screwdriver tip with adhesive material such as beeswax; insert screw through opening (shown above mounting screw in Fig.5) and into position; tighten screw.
- (8) Place the rail assembly in position (see Fig.1) and install mounting screws. Use an offset screwdriver to install the three screws within the cash compartment; to install screw from top of housing, attach screw to screwdriver as in step (7).
- (9) Replace dust cover and dust cover clip; install cash box; install and lock cash compartment cover and upper housing.