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INSTRUCTIONS FOR INSTALLING AND ADJUSTING THE TELETYPE
AC256** OR AC258** APPARATUS CABINET AND THE 136021 MODIFICATION
KIT TO PROVIDE BLINKING OPERATION FOR OUT-OF-TAPE LAMPS

1. GENERAL

- a. The Teletype AC256** apparatus cabinet has a three-shelf arrangement, each of which supports two receiving-only Model 14 Typing Reperforators with-out bases.
- b. The Teletype AC258** apparatus cabinet has a three-shelf arrangement, each of which supprts two Model 14 non-typing reperforators.
- c. Disappearing doors cover each sliding shelf. In the front of the cabinet, two hinged control panels mount at the top. In the lower front part of the cabinet, there are two hinged doors which support two removable tape bins. A wiring duct on the right inside wall is provided with necessary plugin facilities. Rear accessibility for servicing is obtained by four removable panels. The cabinet is approximately 78 inches high, 33 inches wide and 24 inches deep. If desired, it may be securely anchored to the floor.
- d. The double asterisk (**) designates a two-letter suffix which indicates the paint finish. The following finishes are now available:

AA - Black Wrinkle
AB - Gray Green Wrinkle
AD - Dark Brown Wrinkle
BU - Light Gray Smooth
BV - Federal Gray Smooth

- e. The 136021 modification kit when installed on an AC256** or AC258** cabinet provides blinking operation for the out-of-tape lamps.
 - f. The 136021 modification kit consists of:

4 2191 Washer, Lock 6 136549 Flasher 4 7002 Washer, Flat 1 136966 Plate, Tube Socket 4 8543 Screw 6-40 x 1/4 Fil.

- g. For description and adjustments of the typing reperforator or non-typing reperforator refer to the Model 14 Typing Reperforator or Non-Typing Reperforator Description and Adjustment Bulletins respectively.
- 2. INSTALLATION (Figure 3 through 11)
 - a. 136021 modification kit (Figure 4)
- (1) Mount 136966 tube socket plate assembly to 135962 mounting strips in upper rear of cabinet, using 8543 screw, 2191 lock washer and 7002 flat washer.
- (2) Remove straps as indicated in note 10 of wiring diagram 3161WD for AC256* cabinet or note 10 of 3172WD for AC258* cabinet before soldering wires of 136539 cable assembly.

- (3) Connect terminal of 136539 cable to ground side of 124848 out-of-tape lamp fuse holder in accordance with wiring diagram 3161WD or 3172WD.
- (4) Insert 136549 thermostatic flashers in six (6) places. These will be held securely in the 118591 tube sockets by 128204 tube clamps.
 - b. General instructions for the AC256** or AC258** Cabinet
- (1) Unpack all parts and units with care. Muslin bags and small parts should be kept with their associated pieces of apparatus until used in the installation.
- (2) The four 1/2" holes in the cabinet base are to secure the cabinet to the floor. Suitable holes should be provided in the floor where the cabinet is to be mounted.
 - c. Installation of Equipment in Cabinet.
 - (1) AC256** Cabinet (Figure 7)
- (a) Place two 122864 tape chute assemblies, one on each typing reperforator base, just ahead of the feed roll.
- (b) Make the Tape Stripper Plate adjustment contained in the Model 14 Typing Reperforator Adjustment Bulletin.
- (c) Place each typing reperforator over two 7338 locating posts on the mounting plate. Fasten each typing reperforator in place with two 7099 thumb screws and 7337 felt washers.
- (d) With the typing reperforator in place on the shelf and the disappearing door closed, the tape deflectors should be centered in the door slots.
 - (2) AC258** Cabinet (Figures 8 and 11)
- (a) Remove from the non-typing reperforator and save for future use the 86179 tape retainer and 86183 bracket with mounting parts. After removing the 86159 strap, replace the screw and lock washer into frame at forward end for future use.
- (b) Replace the 86123 space-out lever with the 136617 lever. Make the Space-Out Lever Adjustment contained in the adjustment bulletin.
- (c) Replace the 85355 tape stripper plate with the 136619 plate. Make the Tape Stripper Plate adjustment listed in the adjustment bulletin.
- (d) Remove the 86148 chad chute and rework the two holes on the top mounting flange. Replace using the same mounting parts. Add one 76099 flat washer behind each lock washer if no flat washer is present.
- (e) Remove the 86146 chad drawer. Remove and discard the three 1268 screws from the 86175 chad drawer guide. Place the 151657 screw into the front hole on the reperforator base; the head of the screw will act as a

catch to retain the chad drawer guide. Replace the chad drawer guide. Place a 1248 screw through the rear left hole. This will allow the chad drawer guide to swing forward, for removal of chad drawer, with the cabinet drawer fully closed.

- (f) Mount the 136633 guard assembly using the 6745 screw, 2669 lock washer and 3438 flat washer.
- (g) Place each of the reperforators over the two 92553 locating caps after the 136625 felt pad is on the mounting plate.
- (h) If the 117736 cam keys come furnished with a fiber shipping plate and four oval head screws, remove and discard these before assembly to 135966** control panel.
- (i) After cabinet is completely assembled, secure cable 136551 in 121247 cable clamps three places.

d. Electrical Connections

(1) AC256** (Refer to 3161WD)

- (a) Connect and solder the 136527 cable in accordance with wiring diagram 3161WD. This cable connects the terminals of the out of tape lamp jacks and the tape feed out switches to the 120-point terminal located in the upper rear of cabinet.
- (b) On 136528 power cable located in front section of wiring duct, connect terminals and solder wires per wiring diagram 3161WD. In top area of wiring duct, fasten 136528 cable with 121248 cable clamp.
- (c) On 136529 cable, located in rear section of wiring duct, solder wires per wiring diagram 3161WD. In top area of wiring duct fasten 136529 cable with 121249 cable clamp.
- (d) Solder the 136550 cable to the out of tape switch terminals in accordance with wiring diagram 3161WD. Fasten ground terminal to mounting plate. Connect cable plugs to mating receptacle.
- (e) Individual fuses and switches for each motor circuit are located on the front face of the wiring duct.

(2) AC258** (Refer to 3172WD)

- (a) Connect and solder the 136527 cable in accordance with wiring diagram 3172WD. This cable connects the terminals of the out-of-tape lamp jacks and the tape feed out switches to the 120-point terminal located in the upper rear of cabinet.
- (b) Solder the 136551 cable to the out-of-tape switch terminals in accordance with wiring diagram 3172WD. Fasten ground terminal to the mounting plate. Connect cable plugs to mating receptacles.

3. ADJUSTMENTS (Figures 1 and 2)

a. Base Wire Duct

The wire duct in the base of the cabinet should be aligned with the front and rear base frames so that the three parts are flush on each side and on the bottom. Adjust by means of the 8 mounting screws.

b. Door Rail

The left rail and the right rail should be adjusted to the 25-7/16" dimension. To adjust, add or remove an equal number of 116020 shims between the two spacers on both sides of cabinet (front and rear).

c. Door and Leader

The door and leader should be centered in relationship to the opening in the cabinet. With the door in this position, the 116033 guides should be adjusted so as to provide some clearance, not more than .035" between the guide and rail throughout the full travel of the door (front to rear). Lock the slides in position by means of the eccentrics (89963). Clearance should be held to a minimum and still provide free sliding of the door.

d. Guide and Rail Vertical

There should be minimum clearance between the protrusions of the 116033 guides and 116022 and 128346 guide rails with no bind throughout their entire travel. To adjust, bend the guides.

e. Door Roller

With the door in a horizontal position and pushed in halfway, there should be approximately 1/16" clearance between the rollers (116028, 116030) and the door. To adjust, rotate the eccentrics (89963).

f. Stop Bracket

With the door held in its closed position, there should be at least 1/16" clearance between the lug on the rail and the 117359 stop bracket. To adjust, position the stop bracket.

g. Stop Strip

The stop strips should be mounted 7/32", plus or minus 1/16", from the front of the cabinet shell. With the doors properly mounted and in the closed position, they should be recessed 5/32", plus or minus 1/16", from the face of the cabinet shell. To adjust, position the stop strips by means of their mounting holes.

h. Detent Spring

The door should be held tight in the closed position. To adjust, position the 116083 detent spring so that they engage the 116096 detent studs when the door is closed.

i. Detent Stud

With a 12 lb. spring scale hooked in the center of the finger grip, it should require 6 to 12 lbs. to open the door. To adjust, position the detent studs. Recheck the Detent Spring Adjustment.

j. Side-Panel Strip For Mounting Slides

The 117741 and 117742 slides which are mounted to the 128312 and 128313 panel strips should be adjusted to the 25-9/32" dimension. To adjust, add or remove an equal number of 117824 shims between the special nuts on the side panels and the side-panel strips on both sides of the cabinet (front and rear).

k. Sliding Shelf

The 117743 slide rollers mounted on the 117805 sliding shelves should rotate freely on its axis and move freely on the slide track. To adjust, refine adjustment j. above by adding or removing shims.

1. Front Panel (AC256**)

The 135995 front panel should be flush with the doors and centered between the bottom edge of the door covering the last tray and the top edge of the bottom doors. To adjust, position the 128547 mounting brackets that hold the panel.

m. Doors and Panels

All doors and panels are to be recessed 5/32 inch from the front or rear face of cabinet shell and are to present a flush appearance. To adjust, refine the adjustments of the hinges and/or mounting brackets.

n. Drawer Plate (AC256***)

The 135979 mounting plate without the 135981 tape container assemblies, are mounted to the 135975 drawer assembly and should be positioned so that there is equal clearance on the right and left sides. To adjust, loosen the mounting screws and position the mounting plate with respect to the drawer assembly. Tighten the mounting screws.

o. Tape Container

- (1) The two 111535 panels on the tape container assembly should have their slots, for the shaft of the wooden filler, in line. To adjust, loosen the mounting screws, position the panels, then tighten the screws.
- (2) With a full roll of tape in position, the tape out lever should touch the tape roll only with the long end. To adjust, bend the lever.

p. Tape Container Tape Out Switch

The tape out switch should operate when there is 1/8 to 3/16 inch (radial measurement) tape remaining on the tape core. To check, place a tape roll with 1/8 inch tape remaining on the core in the container. Raise the tape out lever at the switch until the switch is in its unoperated position. Then lower the tape out lever and stop at the position where the switch is operated. The clearance between the tape out lever and the tape roll should not exceed 1/16 inch. To adjust, bend the leg of the tape out lever that rides the roll of tape.

q. Tape Lever Spring Tension

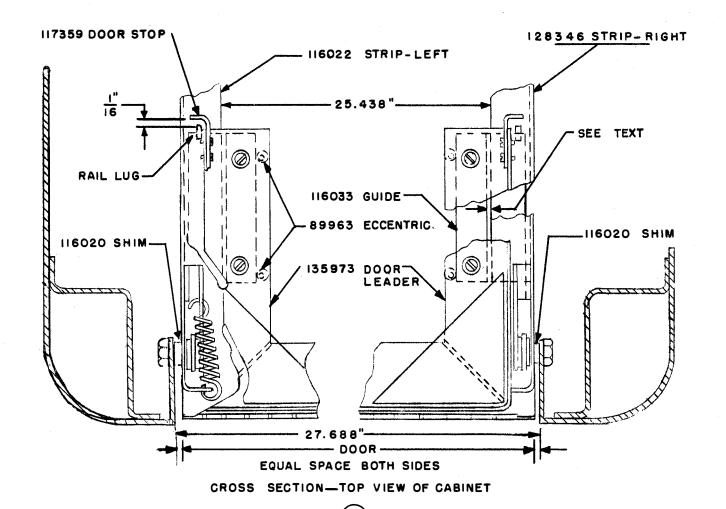
With the tape removed from the tape container, and the switch lever held away from the tape out lever, apply an 8 oz. scale at the switch end of the lever and pull in a vertical direction. It should require 1/2 to 2 ozs. to start moving the tape out lever.

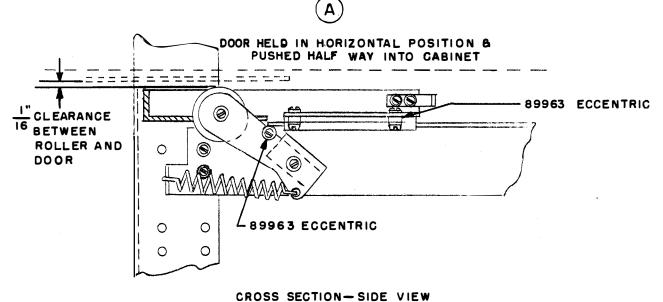
- r. Tape Guide Adjustments and Tape Threading (Figures 12 and 13)
- (1) Loosen 103539 screws (2 places) so that 123515 clamp washers (2 places) are friction tight. Position 136622 tape guide so that the tape is parallel (in a horizontal plane) to the tape guide of the RPE unit.
- (2) After placing roll of tape in tape container with the leading web from over the top, thread the tape as shown.

4. LUBRICATION

The lubricants specified in Specification 5288S should be used to lubricate the equipment. Unless otherwise specified, one or two drops of oil at each of the places indicated will be sufficient. Use oil for lubrication at all of the places lised in the following except where the use of grease is specified. Avoid excessive lubrication.

- a. Slides - grease
- b. Latches oil
- c. Roller - oil
- d. Springs grease





(B)

FIGURE I

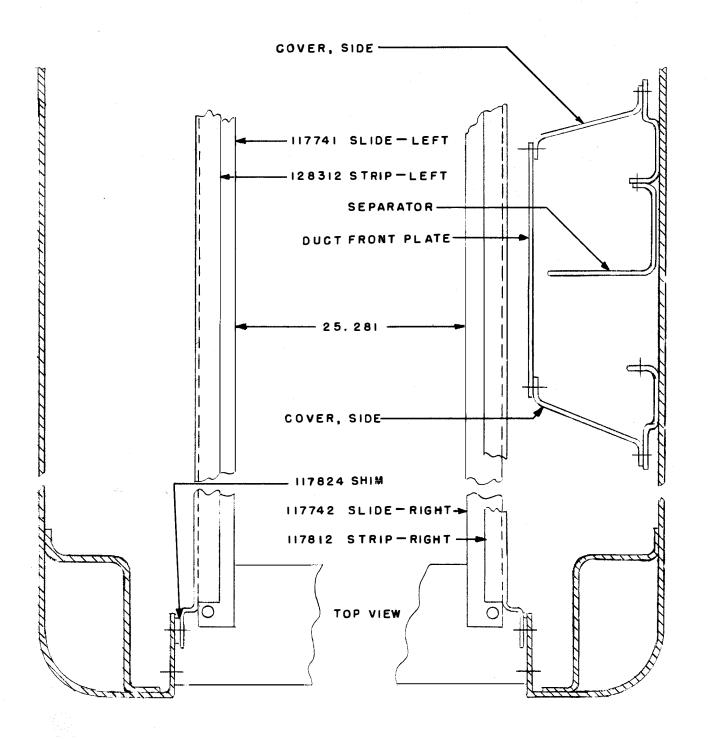


FIGURE 2

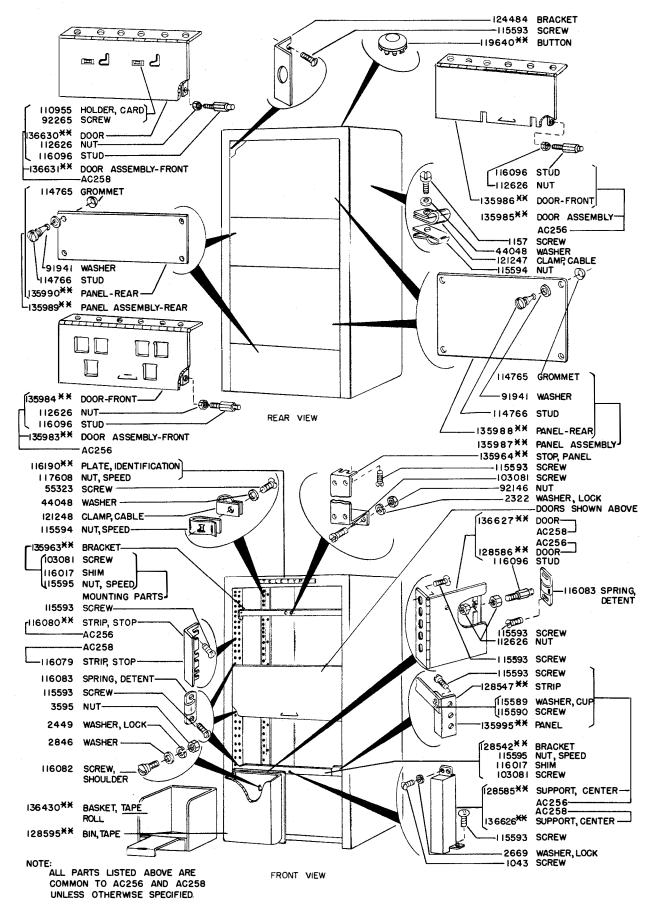


FIGURE 3

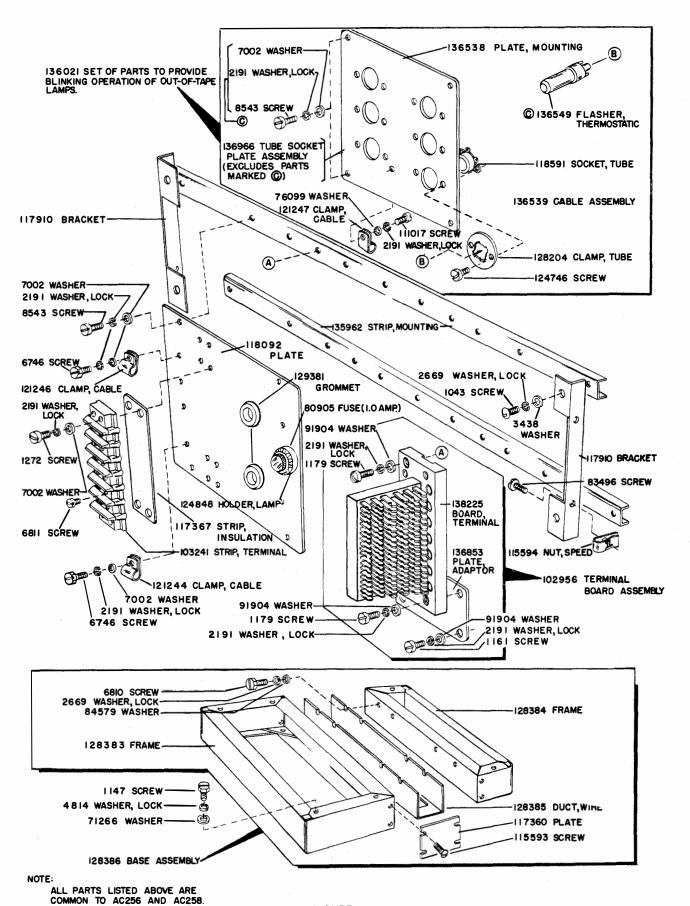
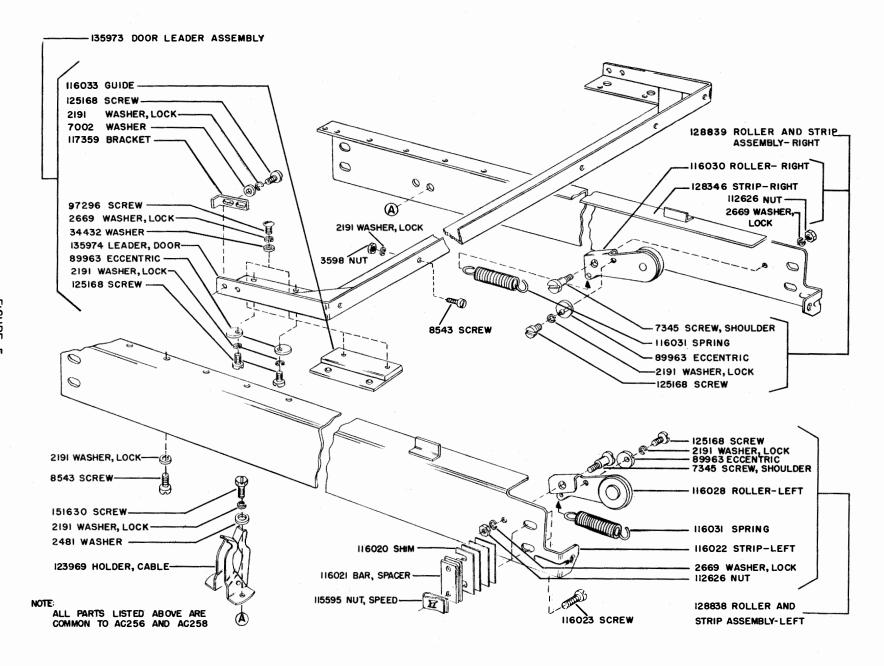
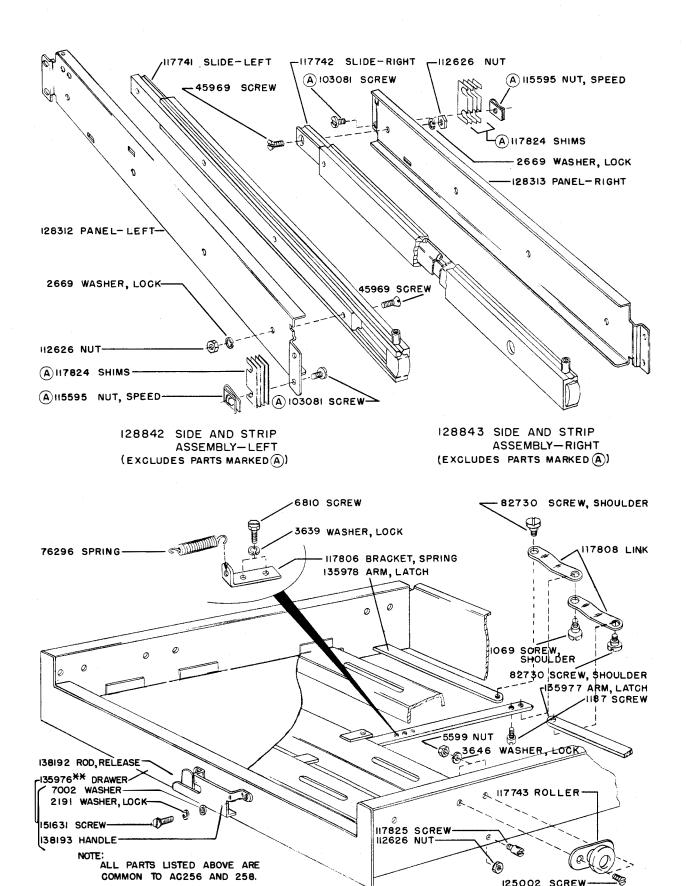


FIGURE 4





135975 ** DRAWER ASSEMBLY

125002 SCREW

FIGURE 6

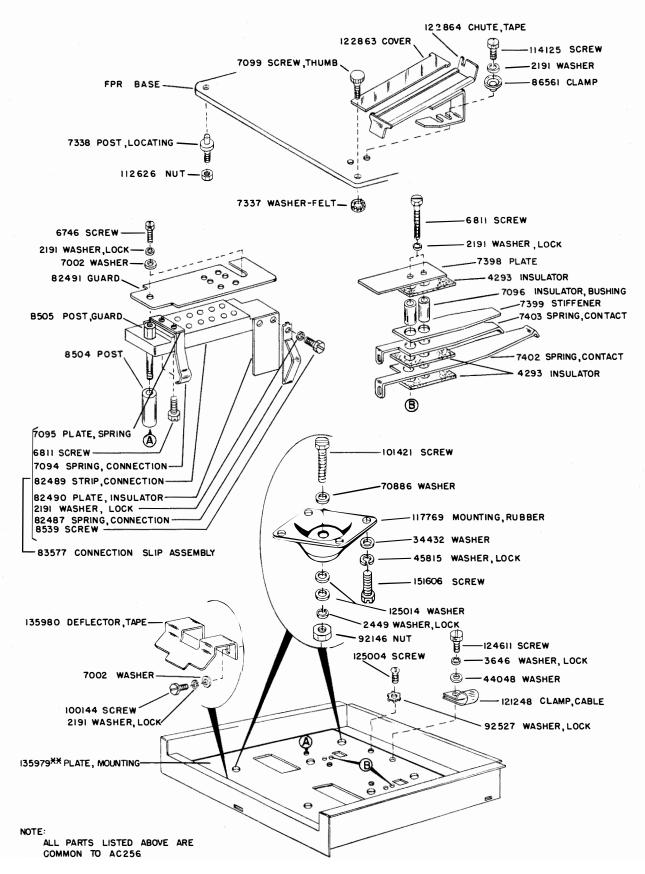
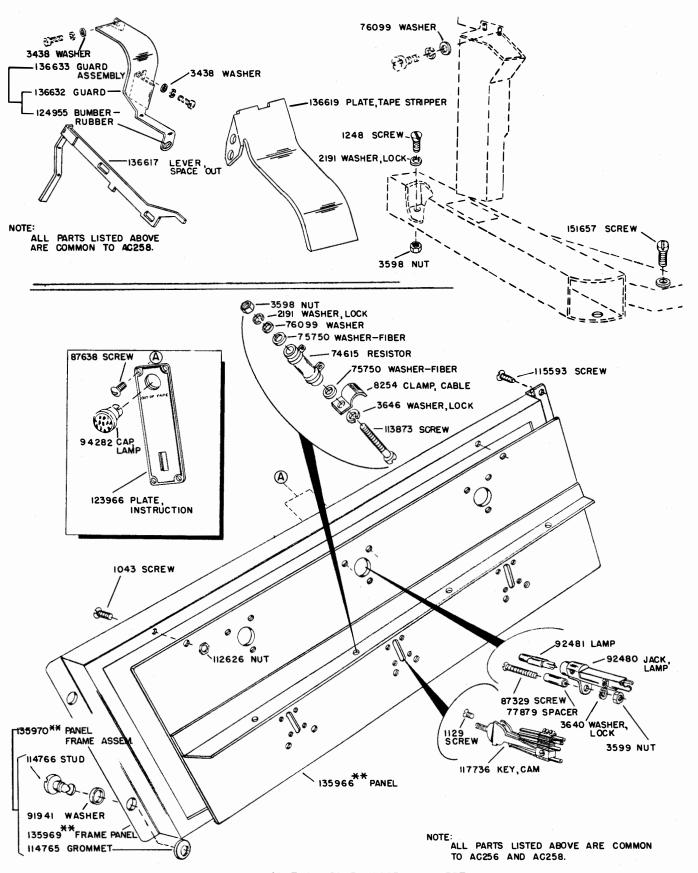


FIGURE 7



I35967 CONTROL PANEL ASSEMBLY-LEFT I35968 CONTROL PANEL ASSEMBLY-RIGHT

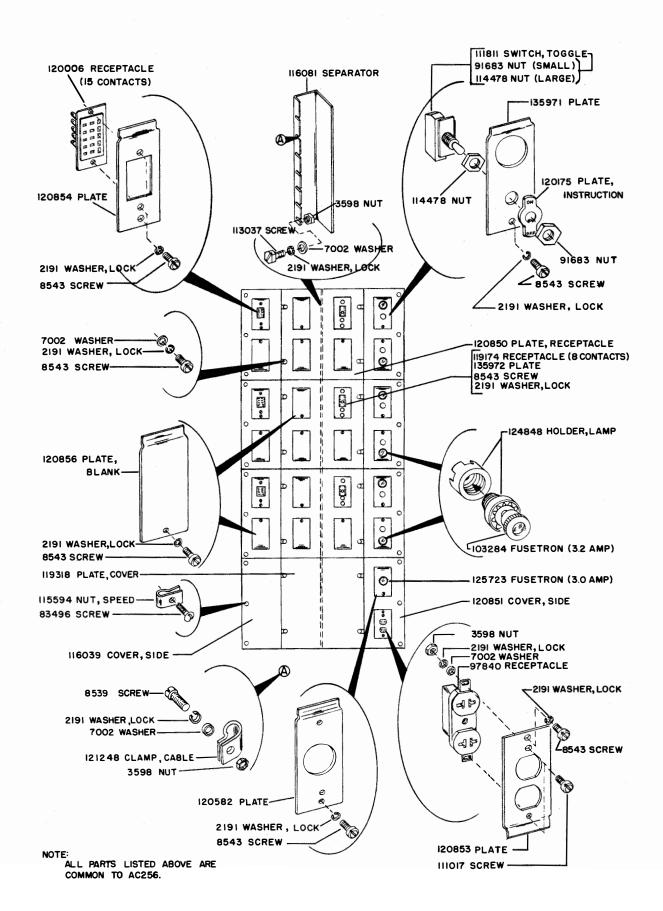


FIGURE 9

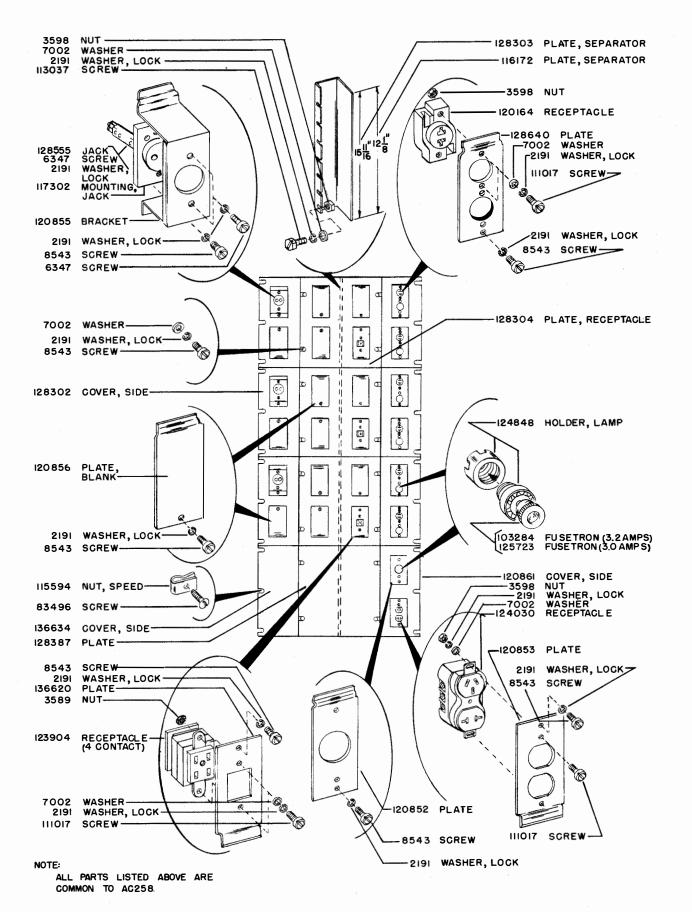


FIGURE 10

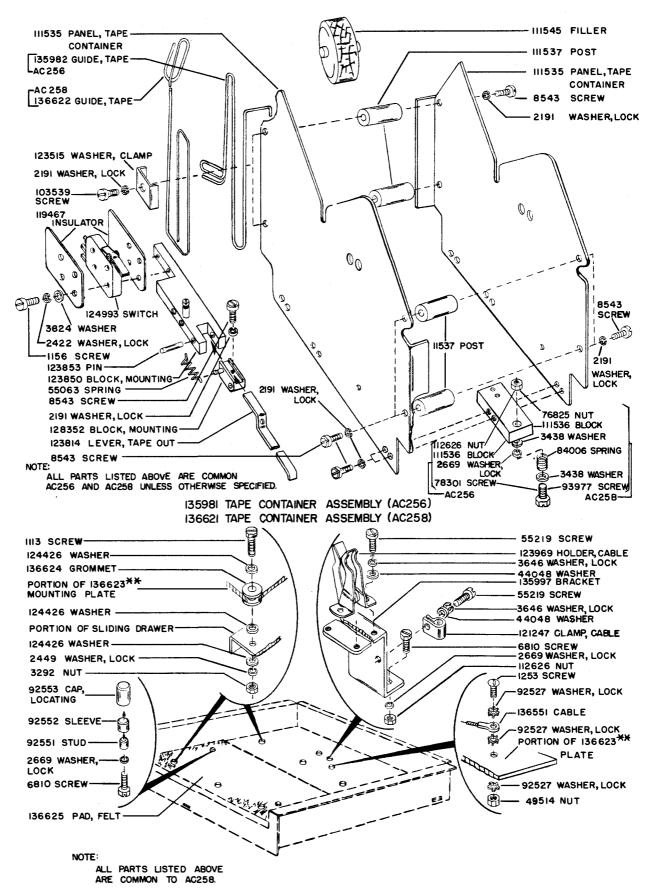


FIGURE II

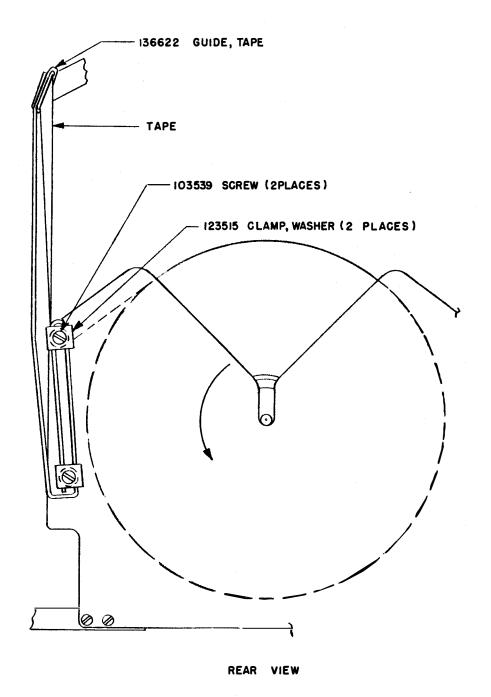


FIGURE 12

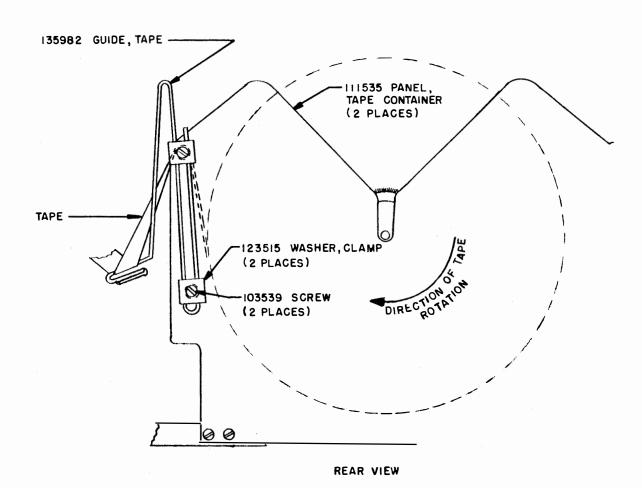


FIGURE 13

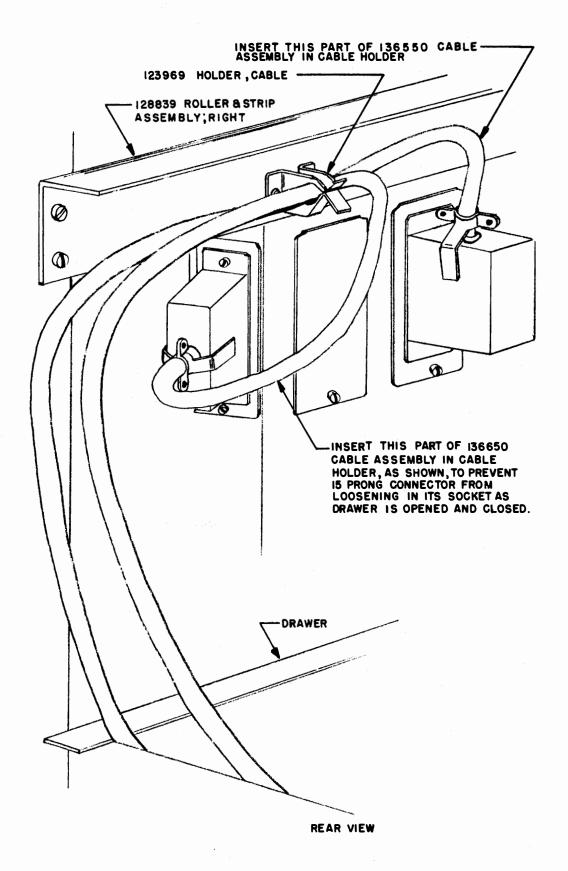
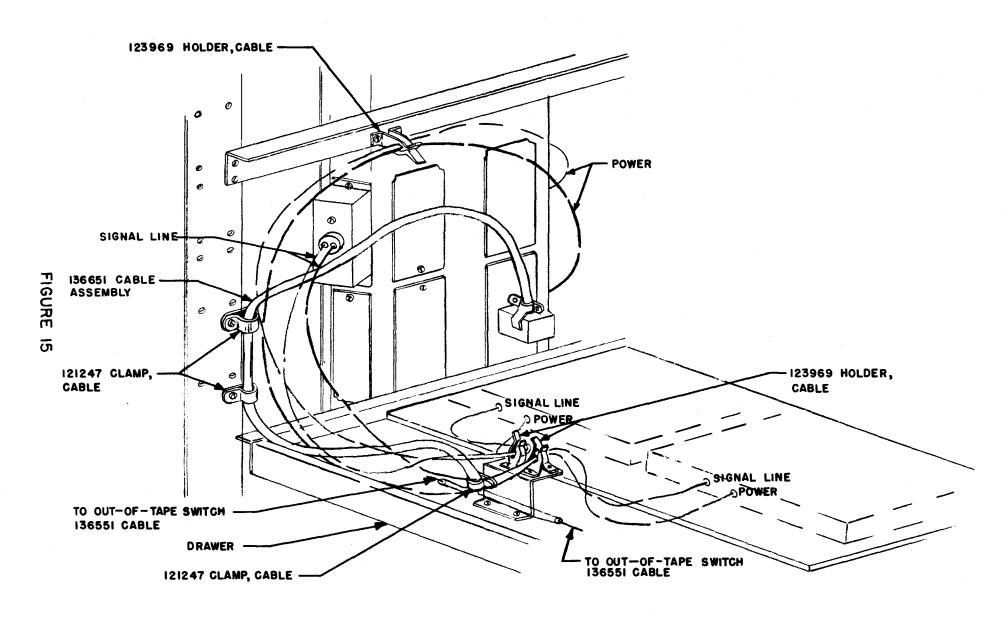


FIGURE 14



REAR VIEW

