

37 RECEIVE-ONLY TYPING  
REPERFORATOR (ROTR) SET  
INSTALLATION

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1. GENERAL

1.01 This section provides installation instructions for the 37 Receive-Only Typing Reperforator (ROTR) Set (Figure 1). The text is illustrated with photographs and line drawings. For information pertaining to station installation, refer to the appropriate section.

1.02 The 37 ROTR Set is shipped factory assembled, and consists of a base assembly, a cover enclosure with components, and a table enclosure with components. The set can be installed in a space 18 inches wide, 35 inches high, and 14 inches deep, and weighs approximately 90 pounds. With the ROTR cover lid open, the maximum height is 46-1/2 inches.

1.03 The ROTR set operates from a 3-wire, 117-volt ac  $\pm 10\%$  single-phase, 60 Hz  $\pm 0.45$  Hz power source. The ac receptacle must be located within 8 feet of the installation area and must be capable of carrying 5 amperes of current.

1.04 All references in the procedures to left or right, up or down, front or rear, etc, are referenced facing the front of the unit.

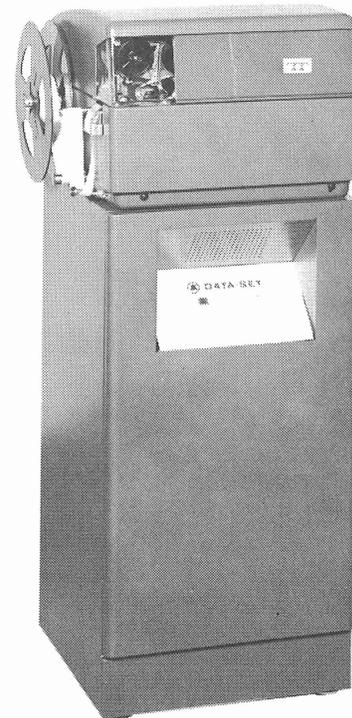


Figure 1 - 37 Receive-Only Typing Reperforator (ROTR) Set

2. UNPACKING

2.01 The ROTR set is shipped factory assembled. Observe the following procedure when installing the set (Figure 2):

- (1) Cut container around its perimeter, approximately one inch from bottom. Lift container from set.
- (2) Remove tape reel from side of top packing detail. Remove detail from set.
- (3) Remove the two packing details from side of set.
- (4) Remove all tape from exterior of set. Lift set out of bottom packing detail.

- (5) Open table door. Remove all packing material.
- (6) Disassemble cover lid and tape winder arm.
- (7) Remove tape from pulley housing and from chad scale (when equipped).
- (8) Remove three screws, lockwashers, and flat washers to mobilize reperforator baseplate; save mounting hardware, if intend to reship (Figure 3).
- (9) Secure cover lid to top of set.
- (10) Mount plastic tape reel.

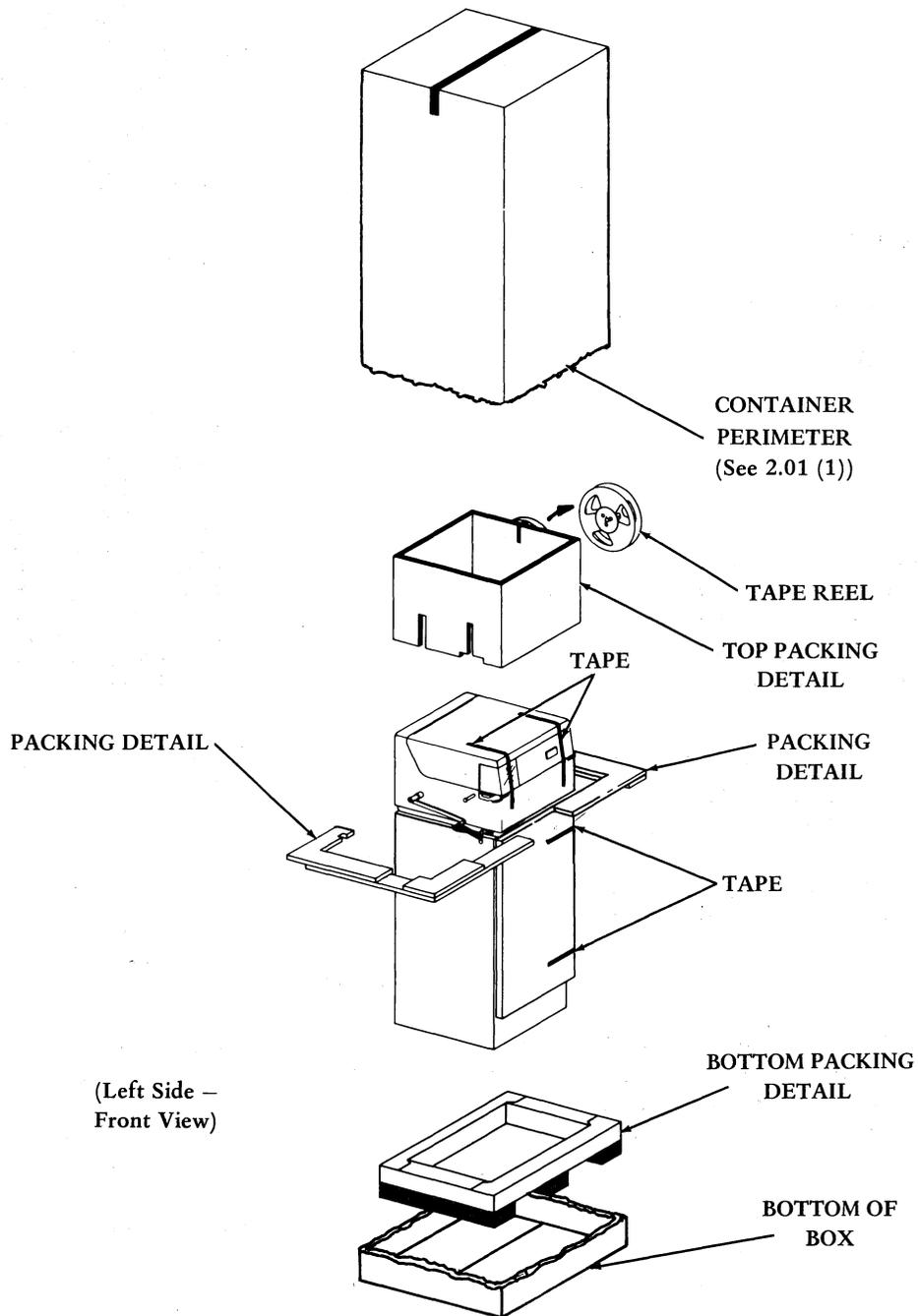


Figure 2 - Unpacking Procedure

REMOVE TO MOBILIZE BASE:

- TP153441 SCREW (3)
- TP2669 LOCKWASHER (3)
- TP84579 FLAT WASHER (3)

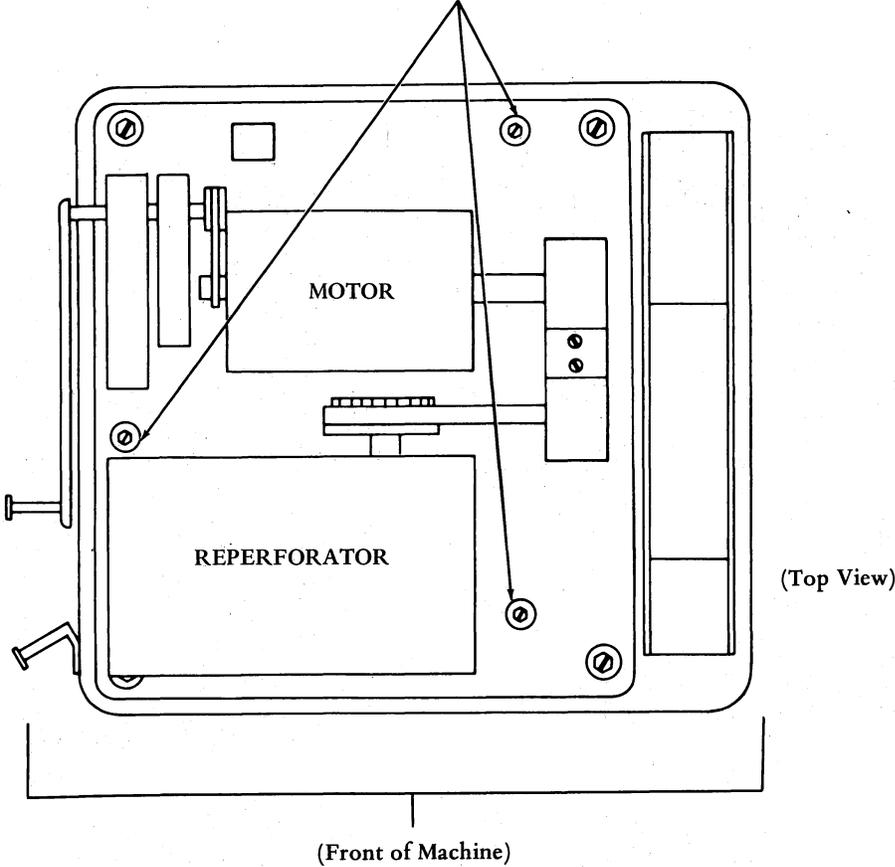


Figure 3 - Base Mounting Hardware

2.02 Open the cover lid. A slide arm with a safety latch will hold the lid open. Close the lid by depressing the release tab and raising the lid to its limit. Next, lift the lower end of the slide arm and lower the lid with the release tab depressed. When the latch starts sliding over the top of the stop, release the safety latch (Figure 4).

**CAUTION:** DO NOT CONNECT AC POWER TO THE SET UNTIL THE INSTALLATION IS COMPLETE AND READY FOR TESTING.

2.03 Connect interface plugs into controller; next connect power supply into 117-volt ac, 60 Hz  $\pm$ 0.45 Hz power receptacle.

Note: If power supply is connected before the interface is connected to controller, the equipment may be damaged.

### 3. LUBRICATION

3.01 Make a visual inspection of the unit for general lubrication requirements. Check that oil is present on felt washers. Use KS7471 grease where parts rub or move with respect to each other, such as on gears, points of heavy pressure, and some ball bearings; use KS7470 oil on needle bearings. Refer to lubrication section for lubricating specific points and parts.

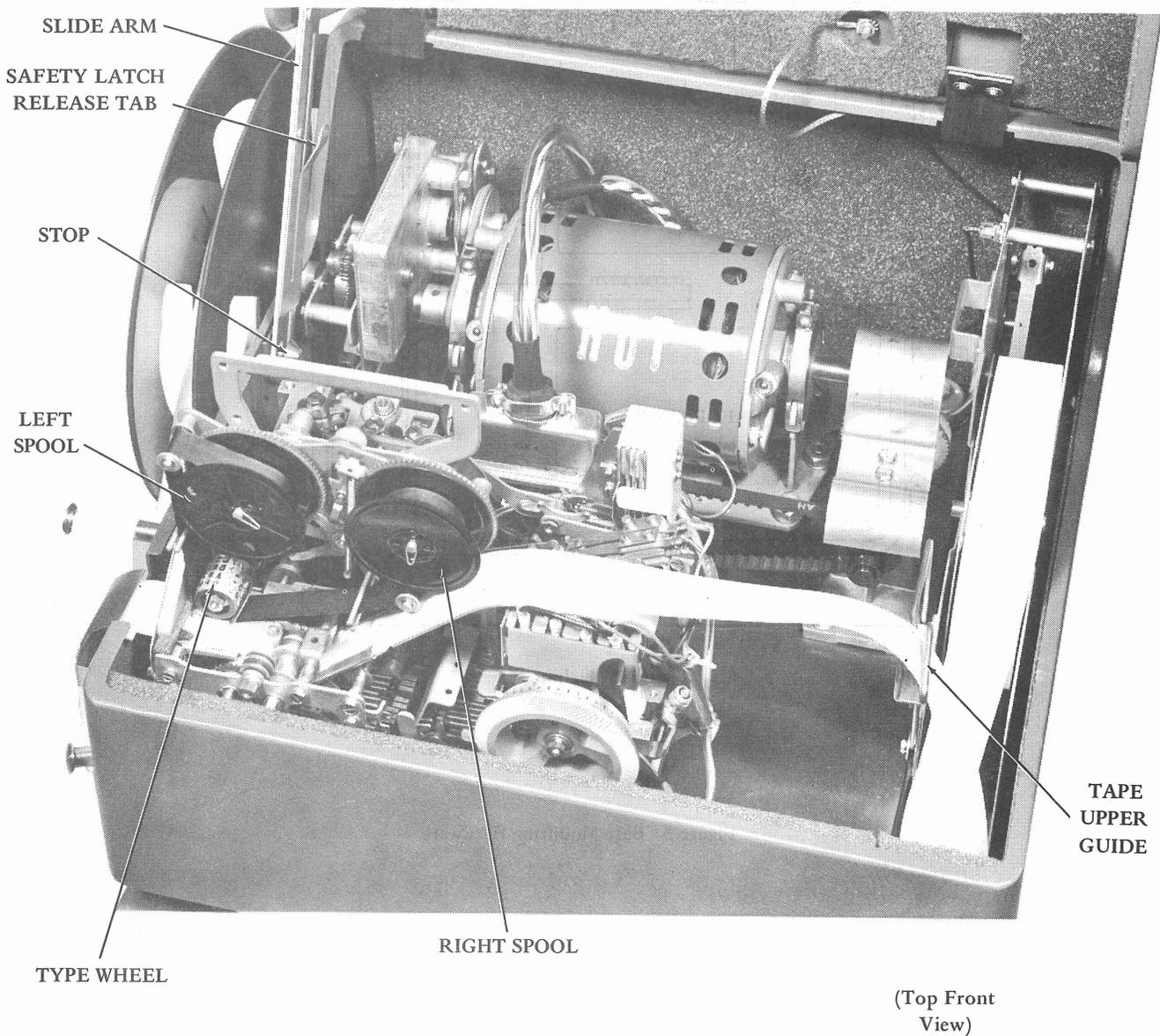


Figure 4 - ROTR Ribbon and Tape Installation

3.02 General requirements for lubricating specific areas of units are as follows:

- (a) Pivot points require two or three drops of oil.
- (b) Felt washers are saturated with oil.
- (c) Cams and sliding surfaces require a film of oil.

3.03 Over lubrication must be avoided; too much oil or grease can drip or be thrown onto other parts. If a part or area is excessively lubricated, remove the excess lubrication with a dry lint-free cloth. Keep all electrical contacts free from oil or grease.

**Note:** During lubrication of unit, use maintenance pad TP124828 to protect furniture and floor coverings from oil and grease.

#### 4. RIBBON INSTALLATION (Figure 4)

4.01 Lift the lid to its latched up position. The left and right ribbon spools are mounted in a vertical position at the top of the typing reperforator.

4.02 Thread the new ribbon on right spool to empty spool on left, as follows:

- (1) Engage the hook on the end of the new ribbon into the hub of the empty spool.
- (2) To make sure the reversing eyelet has been wound upon the spool, wind a few turns onto the empty spool.
- (3) Open ribbon spool toggles and insert spools onto the shafts; close ribbon spool toggles.
- (4) The path of the ribbon is off the top of the right spool under the right roller, to the left toward the punch block through pins on the rear reversing arm, through the ribbon guide and under the type wheel, up through the pins on the reversing arm, over the left roller, and down to the right to the top of the left spool. Roll up any slack in the ribbon.
- (5) Close the lid.

#### 5. PAPER TAPE INSTALLATION (Figures 4 and 5)

5.01 Lift the lid to its latched up position. Insert the tape reel disc into the tape roll and place the tape into its supply container.

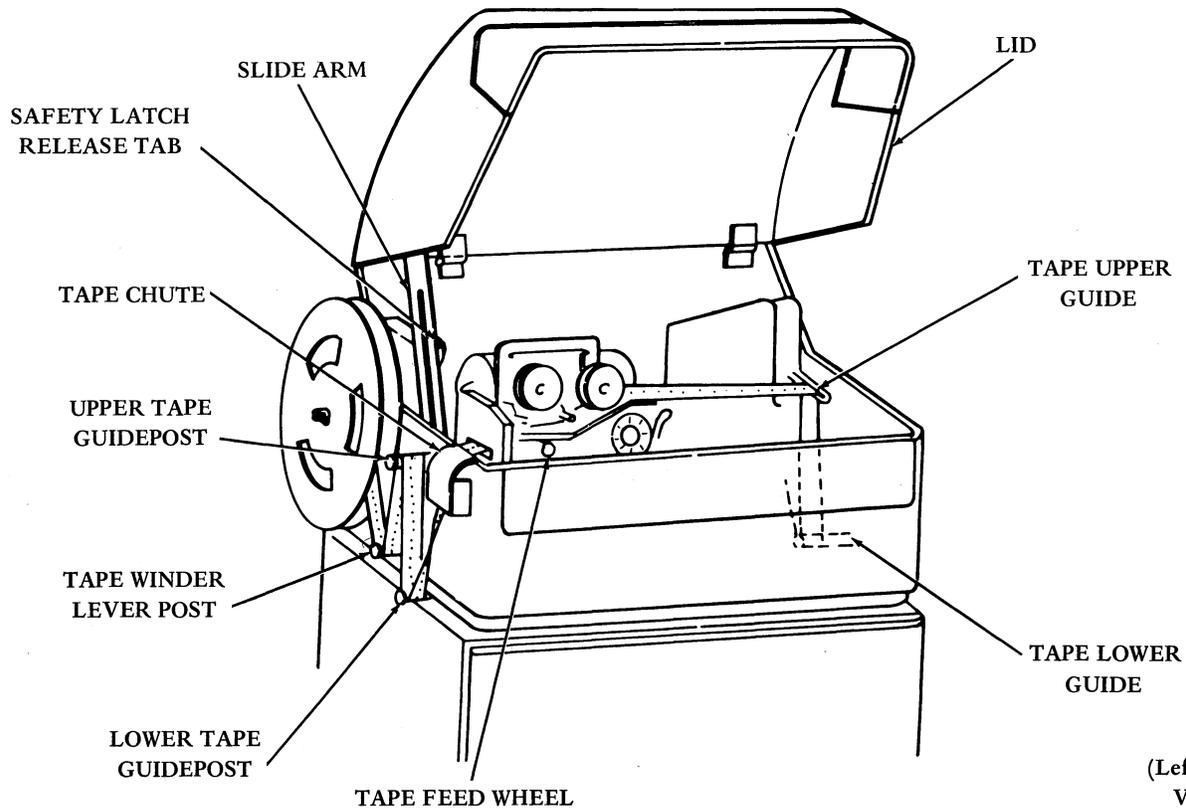


Figure 5 - ROTR Tape Threading Procedure

SECTION 574-303-200

5.02 Route tape through bottom guide roller, over the upper guide and into the reperfocator tape guide.

5.03 While turning the feed wheel by hand, push the tape until it engages the feed wheel and feeds through the punch block.

5.04 Continue feeding the tape through the tape chute, under the lower tape guidepost, over the upper tape guidepost, and under the tape winder lever post, until it can be threaded into the tape reel. Close the lid.

Note 1: If the tape chute is used for torn tape operation, omit the threading operations after the tape is inserted through the tape chute.

Note 2: Punching of code precedes typing on tape by 6-1/2 character positions.

6. ELECTRICAL SERVICE UNIT

6.01 For maintenance and servicing, the electrical service unit may have to be removed. See 37 ROTR Set Removal and Replacement of Components, Section 574-303-702. Cable routing information for the 37 ROTR Set is shown in Figure 6.

6.02 Both the primary and auxiliary ROTR units use the same two circuit cards (Figure 7). Circuit cards used in the electrical service unit are receiving card and ROTR control card.

6.03 All fuses are located in the power supply pack. Amperage is shown by each fuse (Figure 8).

**CAUTION:** DO NOT REMOVE FUSES WITH POWER CONNECTED. IF -12-VOLT FUSE IS REMOVED OR BLOWN, THE +12-VOLT FUSE WILL ALSO BE BLOWN.

Fuses used in the power pack are TP321955 2.5 amperes F-101, TP171658 3.0 amperes F-102, TP129919 4.0 amperes (SL-BL) F-103, and TP143306 1.0 amperes (SL-BL) F-104.

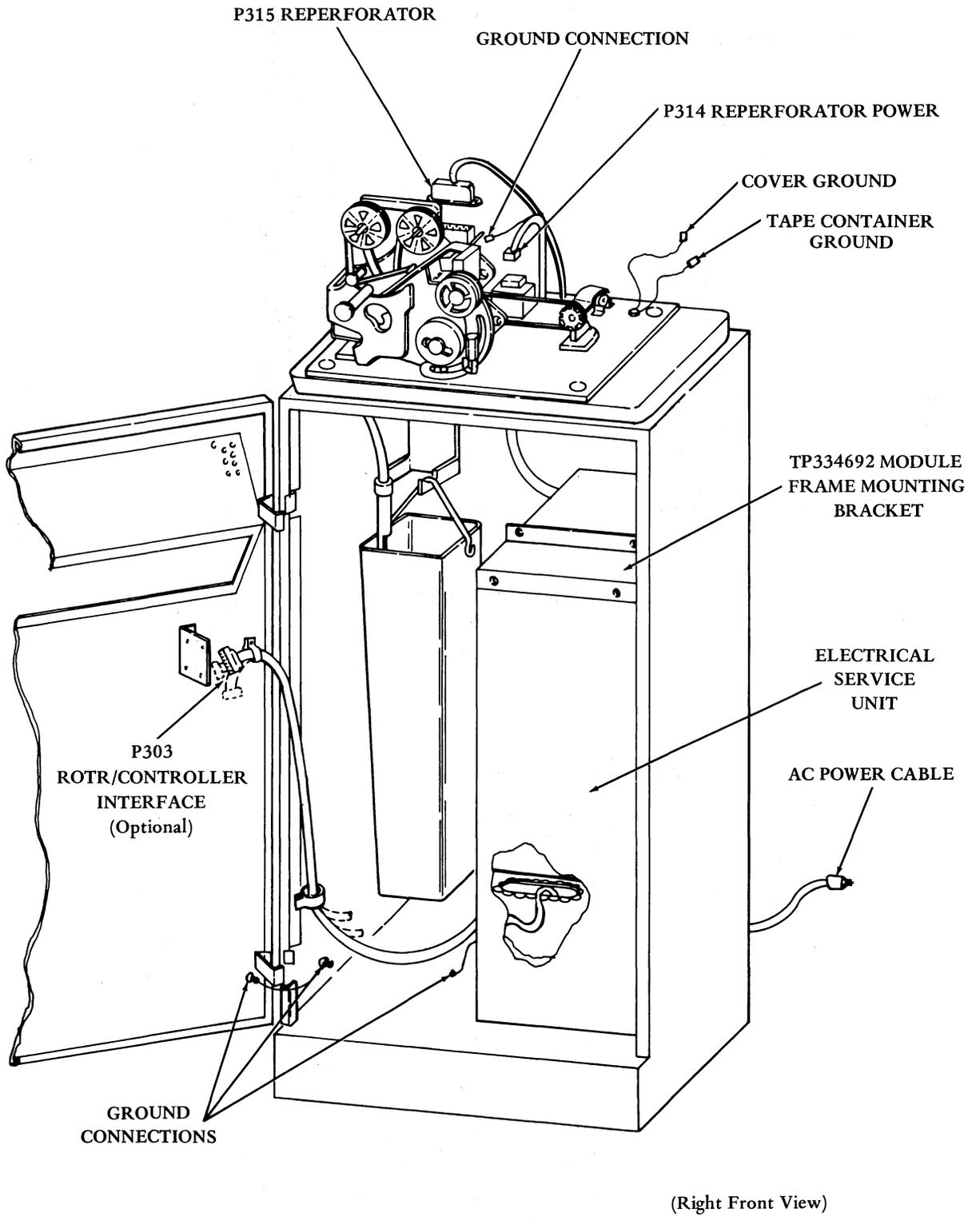


Figure 6 - Cable Routing and Connections

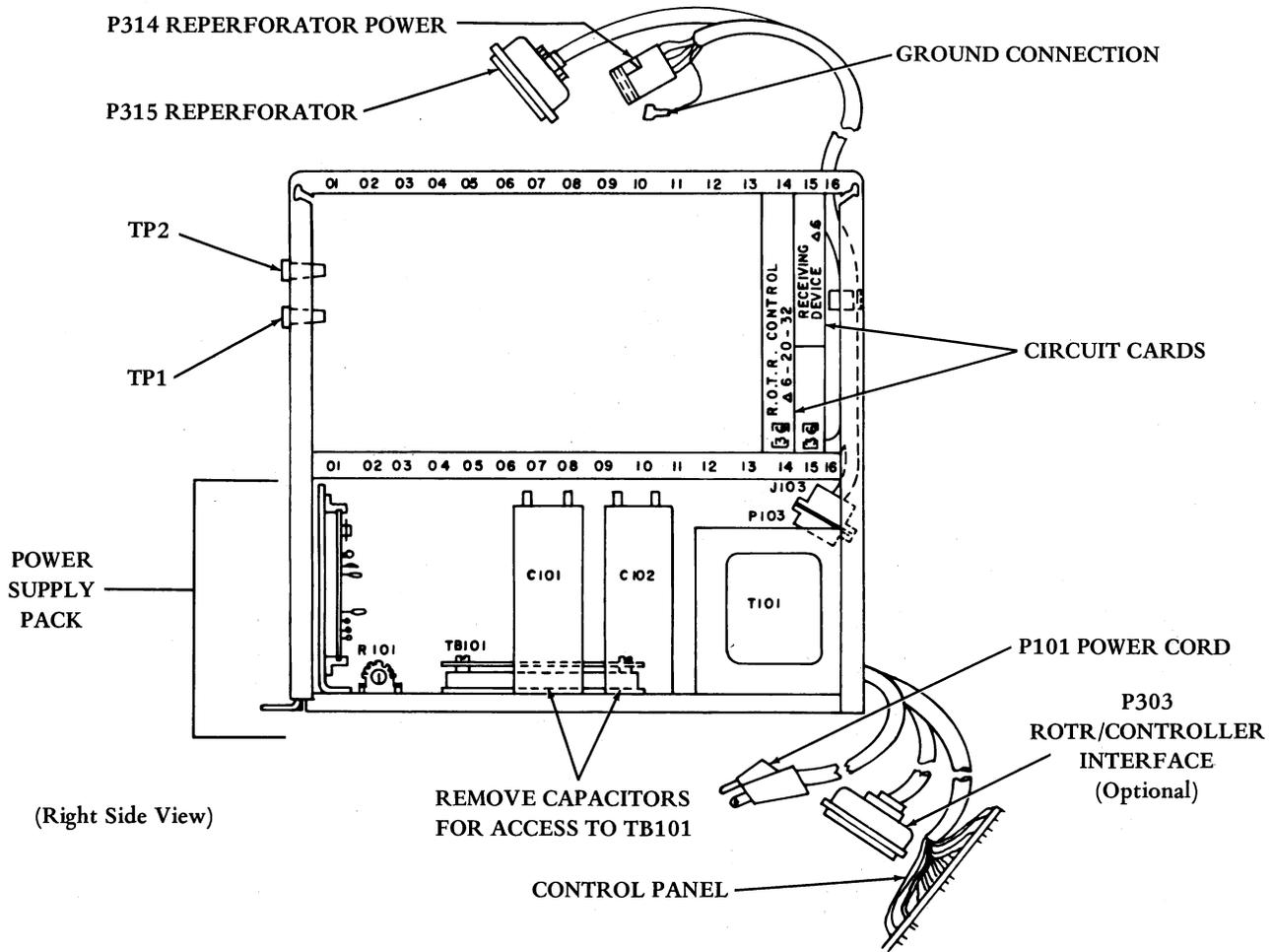


Figure 7 - Electrical Service Unit - Showing Inside Elements

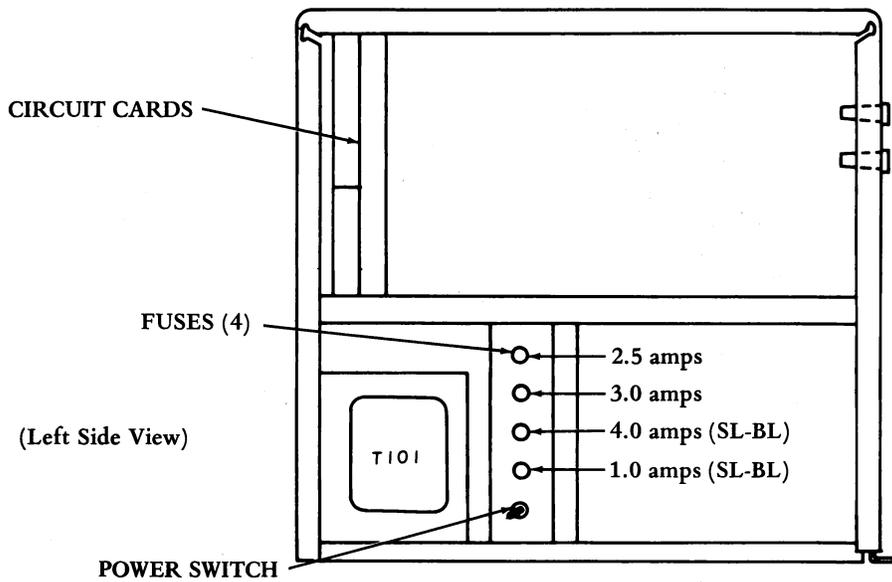


Figure 8 - Electrical Service Unit - Showing Location of Fuses