

NOISE REDUCING CABINET FOR "DATASPEED\*" PRINTER  
INSTALLATION, MAINTENANCE, WIRING, AND PARTS

1. GENERAL

1.01 This section covers the QUIETIZER† 1700 series manufactured by the Van San Corporation, as described in their section VNSN 582-001-204, Issue 1.

1.02 Whenever this section is reissued, the

reason(s) for reissue will be listed in this paragraph.

1.03 Information covering installation, maintenance, wiring, and parts information for QUIETIZER 1700 series for use with DATASPEED tractor-feed printers is contained in the attached reprint of the practice prepared by Van San Corporation.

\* Registered trademark of AT&T

† Registered trademark of Van San Corporation.

## NOISE-REDUCING CABINET FOR DATASPEED® PRINTER INSTALLATION, MAINTENANCE, WIRING AND PARTS

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### 1. GENERAL

**1.01** Identified as "Noise-Reducing cabinets for DATASPEED printers" for Bell System marketing purposes, the use of the term QUIETIZER in Bell System technical documents is used for convenience in identifying the product as the manufacturer furnishes it and, for purposes of conformity where technical documentation as furnished by the manufacturer is utilized.

This section provides installation, maintenance, wiring and part information for QUIETIZER 1700 Series for use with DATASPEED Tractor Feed printers.

**1.02** This paragraph is reserved for reasons of reissue.

**1.03** Specific QUIETIZER models available for DATASPEED printers are as follows:

MODEL NO.	DESCRIPTION
1720-5	80-Column DATASPEED TRACTOR FEED PRINTER
1722-5	132-Column DATASPEED TRACTOR FEED PRINTER
1725-5A	80-Column DATASPEED TRACTOR FEED RO PRINTER
1726-5A	132-Column DATASPEED TRACTOR FEED RO PRINTER

#### NOTE:

Replacement components identified with a "VS" ahead of a number are obtained by ordering from VAN SAN CORPORATION (See Section 6). Components identified with a "TP" ahead of the number are obtained from TELETYPE CORPORATION.

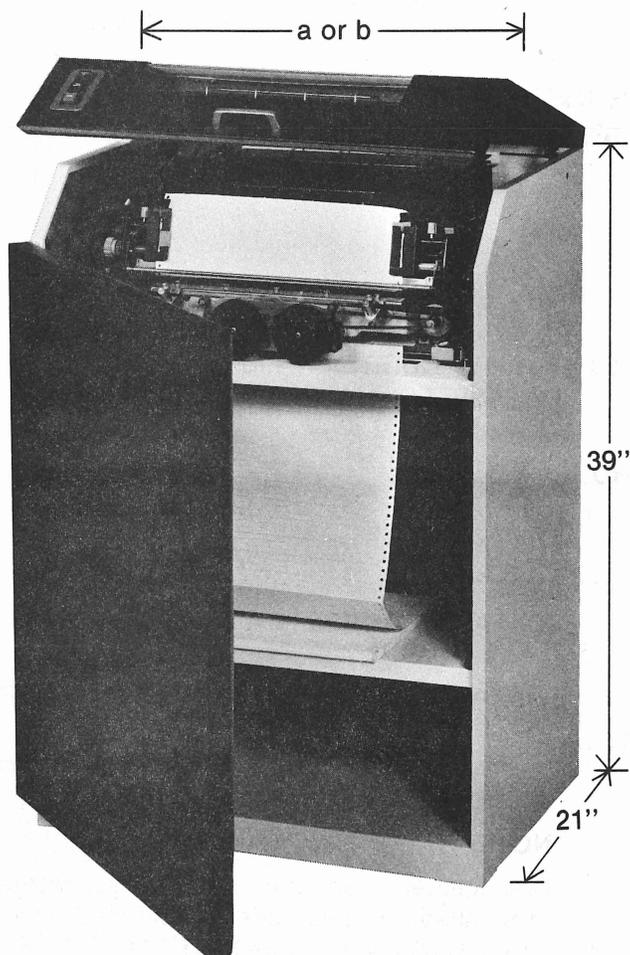
**1.04** QUIETIZERS are acoustical cabinets designed to receive DATASPEED printer mechanisms, providing optimum noise control. Storage and handling of paper is provided within the cabinet. Exiting of paper through a rear slot is standard. Exit of paper from the top front is an option.

**1.05** QUIETIZERS 1720-5 and 1722-5 are equipped with basic AC power and Paper/Forms Advance functioning wiring system.

**1.06** QUIETIZERS 1725-5A and 1726-5A are equipped with AC power system and Paper/Forms Advance wiring for the installation of the TELETYPE CORP. components listed in paragraph 3.02

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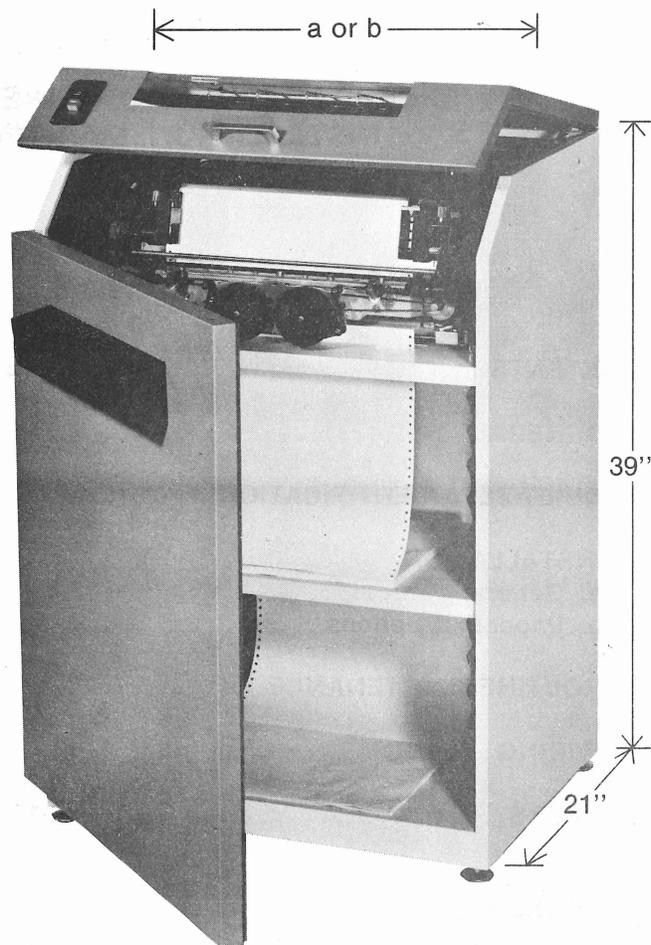
## 2. QUIETIZER IDENTIFICATION



**Fig. 1**

**a. 21" Wide 1720-5 Quietizer  
108#**

**b. 27" Wide 1722-5 Quietizer  
123#**



**Fig. 2**

**a. 21" Wide 1725-5A Quietizer  
108#**

**b. 27" Wide 1726-5A Quietizer  
123#**

**2.01** Identification of QUIETIZERS is important to the Service Center or field craftsperson. Four QUIETIZER models are illustrated in Figures 1 and 2.

**2.02** QUIETIZER 1720-5 (Fig. 1a) designed for use with DATASPEED 80-Column Tractor Feed Printers. The enclosure is 21"W x 21"D x 39"H and is equipped with all parts shown in Fig. 8.

**2.03** QUIETIZER 1722-5 (Fig. 1b) designed for use with DATASPEED 132-Column Tractor Feed Printers. The enclosure is 27"W x 21"D x 39"H and is equipped with all parts as shown in Fig. 8.

**2.04** QUIETIZER 1725-5A (Fig. 2a) designed for use with DATASPEED 80-Column RO Tractor Feed Printers. The enclosure is 21"W x 21"D x 39" H and equipped with all parts as listed in Fig. 7.

**2.05** QUIETIZER 1726-5A (Fig. 2b) designed for use with DATASPEED 132-Column RO Tractor Feed Printers. The enclosure is 27"W x 21" D x 39" H and equipped with all parts as listed in Fig. 7.

**2.06** Standard colors are DATASPEED compatible with black lid and door; cabinet is off-white. Use of corrosion-resistant primer under baked enamel, textured semi-gloss finish gives long-lasting durability.

### 3. INSTALLATION

**3.01** The following procedure should be followed to install DATASPEED 80- or 132-Column Printers in QUIETIZERS 1720-5 and 1722-5. Adjustable glides for leveling of QUIETIZER cabinet are provided on all four bottom corners. (Fig. 8).

1. Open QUIETIZER lid and door. Remove EIA/SSI bracket (VS 1700-00-014) located inside left rear wall of cabinet. (Fig. 8)
2. Mount EIA/SSI interface to EIA/SSI bracket with two screws. Replace completed assembly to back wall of QUIETIZER. (Fig. 8)
3. Remove white plug (VS P114) from plug connector bracket (VS 1700-20-T) (Fig. 8)
4. Insert signal cable plug (J115) through opening on plug connector bracket (VS 1700-20-T). Using two screws mount signal plug to front of bracket in bottom position. Replace white plug (VS P114) into original center position of plug connector bracket (VS 1700-20-T). (Fig. 8)
5. Slide DATASPEED Printer backward into place on mount rails (VS 1700-00-601) (L&R) (Fig. 8) into plug connector bracket (VS 1700-20-T) and be sure plug connection is secure. **WARNING: RED PLUG (VS P113) MUST BE IN TOP POSITION.**
6. Plug outside communication cable into rear of interface cable assembly (EIA or SSI).
7. Place a box of printer paper on middle storage shelf under printer. Insert paper upward through slot in printer shelf. Follow paper-loading instructions printed on top of DATASPEED printer mechanism.
8. Close door and lid. Plug electrical cord from QUIETIZER into power outlet. Turn on power slide switch located at left rear of QUIETIZER cabinet. **CAUTION: DO NOT LIFT LID WHILE PRINTER IS OPERATING. DOING SO WILL CAUSE THE INTERLOCK SWITCH TO TURN OFF PRINTER MOTOR.**
9. Interlock switch (SW-4) may be temporarily bypassed by lifting switch plunger. Printer motor will now operate with cabinet lid open. (Fig. 8)

10. Check for proper operations of all control functions and alarms related to the printer operation within the cabinet.

**3.02** Installation of Receive Only Printer (R.O.P.), using a 40C303AC or AD Controller, will require the following TELETYPE CORP. original parts.

DESCRIPTION	TELETYPE PART NUMBER
1. Controller	40C303AC Synch or 40C303AD Asynch.
2. Opcon Module	40K003/AAB or AAC
3. Modification Kit	406190

**3.03** For new installations, the 1725-5A and/or 1726-5A cabinet should be ordered. These cabinets include mod kit ROP-AD components installed by VAN SAN CORPORATION, and are compatible with TELETYPE CORPORATION parts listed in paragraph 3.02.

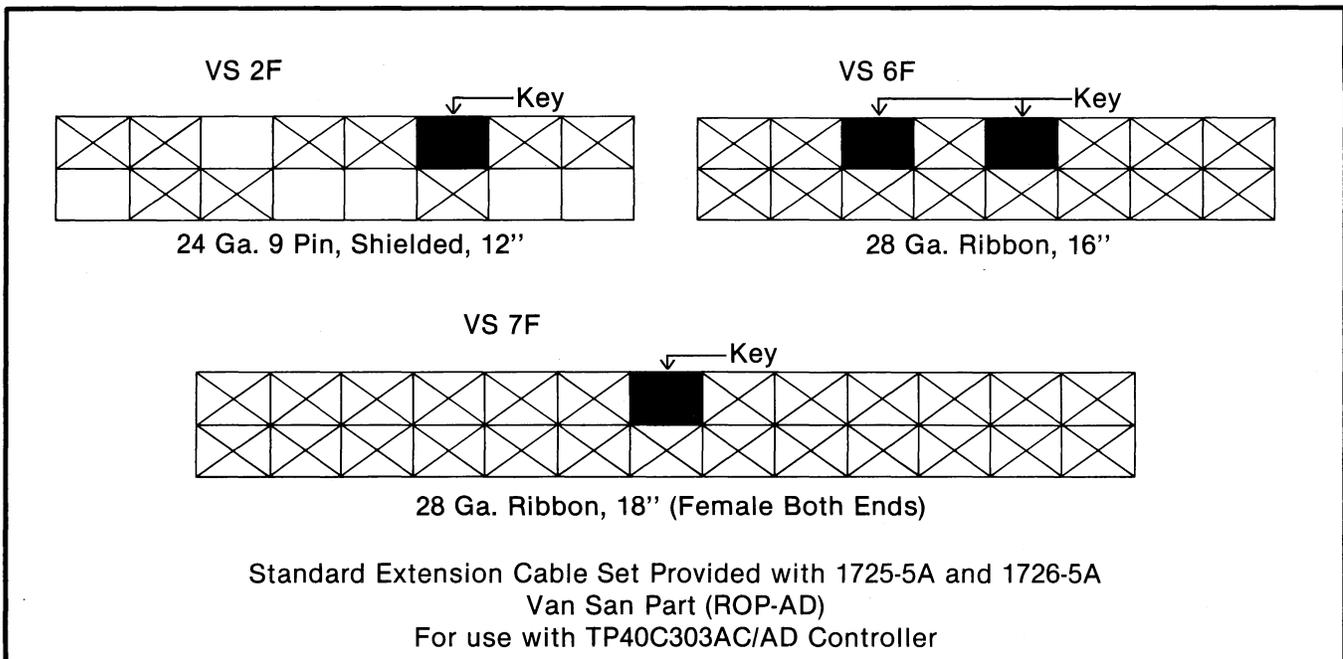
**NOTE:** The basic ROP cabinets, 1725-5 and 1726-5 were developed allowing for field substitution of components from existing cabinets where a 40C303/AA controller is utilized (see Figures 4a and 4b).

**3.04** MODIFICATION KIT ROP-AD as provided by VAN SAN CORP. will include the following parts:

DESCRIPTION	VAN SAN P/N
1. AC Power Supply	1700-A
2. Button Function Cable	1700-B
3. Button Mounting Plate	1700-00-A
4. Power-On Indicator	SW-6
5. Form-Advance Switch	SW-2
6. Paper-Advance Switch	SW-3
7. Cheat Interlock Switch	SW-4
8. EIA Replacement Cable	VS 7F
9. Opcon Extension Cable	VS 6F
10. Capacitor Extension Cable	VS2F
11. EIA/SSI Mount Bracket	1700-00-014

**3.05** The following procedure is followed to install DATASPEED 80- or 132-column printer mechanisms and miscellaneous parts to modified QUIETIZERS 1725-5A or 1726-5A:

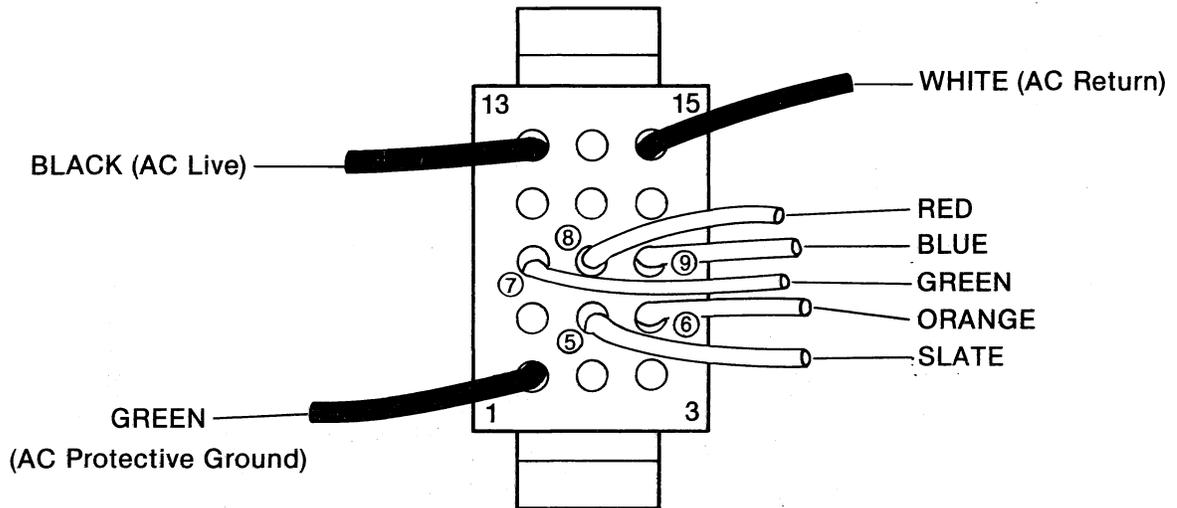
1. Place Controller (TP 40C303AD or TP 40C303AC) in Circuit Board Tray (VS 1700-00-F) (Figures 3c & 7). Connect EIA cable (VS 7F) which replaces (TP406172) to connector assembly (TP406169).
2. Mount connector assembly (TP406169) to SS/EIA bracket (1700-00-014) with two screws. Replace completed assembly to back wall of QUIETIZER. (Fig. 7.)
3. Place capacitor assembly (TP406189) upside down under left side of printer shelf. Holes are provided for mounting.
4. After removing plug (J114), insert signal cable (TP406173) at J115 through opening on plug connector bracket (VS 1700-20-T). Using two screws, mount signal plug to front of bracket in bottom position. Replace white plug (VS P114) into original center position of plug connector bracket. (Fig. 3c).
5. Insert connector pins on power cable (TP406175), from capacitor assembly, into rear of connector (P113) (red) per Fig. 3b following the color code sequence.
6. Insert Opcon cable (TP406192) into the Opcon plug through square punch-out on the left side of the front door. Extension cable (VS 6F) is provided. (See Figure 3a and for identification). Installation location, see Figure 3c.
7. The remaining cables are identified by the connector pin diagram (Fig. 3a). Installation location drawing is shown in Fig. 3c.
8. Plug outside communication cable into rear of interface cable assembly.
9. Place a box of printer paper on middle storage shelf under printer. Insert paper upward through slot in printer shelf. Follow paper-loading instructions printed on top of DATASPEED printer mechanism.
10. Close door and lid. Plug electrical cord from QUIETIZER into outlet. Turn on power slide switch located at left rear of QUIETIZER cabinet. **CAUTION: DO NOT LIFT LID WHILE PRINTER IS OPERATING. DOING SO WILL CAUSE THE INTERLOCK SWITCH TO TURN OFF PRINTER MOTOR.**
11. Interlock switch may be temporarily bypassed by lifting switch plunger. Printer motor will now operate with cabinet lid open.



**Fig. 3a**

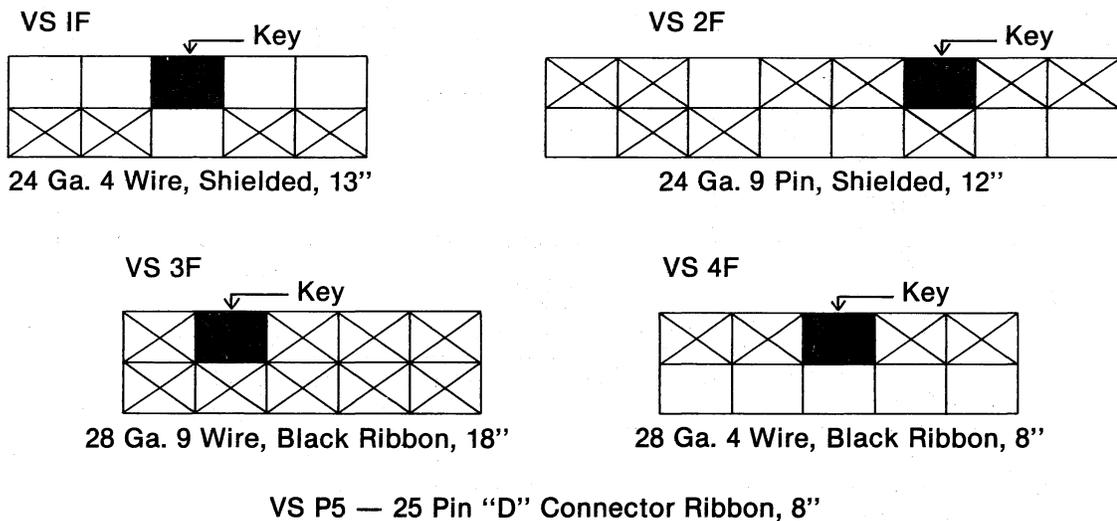
**LEGEND**

- Wires shown solid are supplied with the cabinet.
- Wires shown open are part of modification kit and are field installed.
- Numbers shown solid are marked on connector.
- Numbers circled are not marked on connector but are included for reference.



(Rear View AC Power Connector - P113)

**Fig. 3b**



**NOTE:** Extension cables provided as part of the basic 1725-5 and 1726-5 for use with a 40C303/AA Controller.

**Fig. 4a**

(As viewed from above looking through shelf)

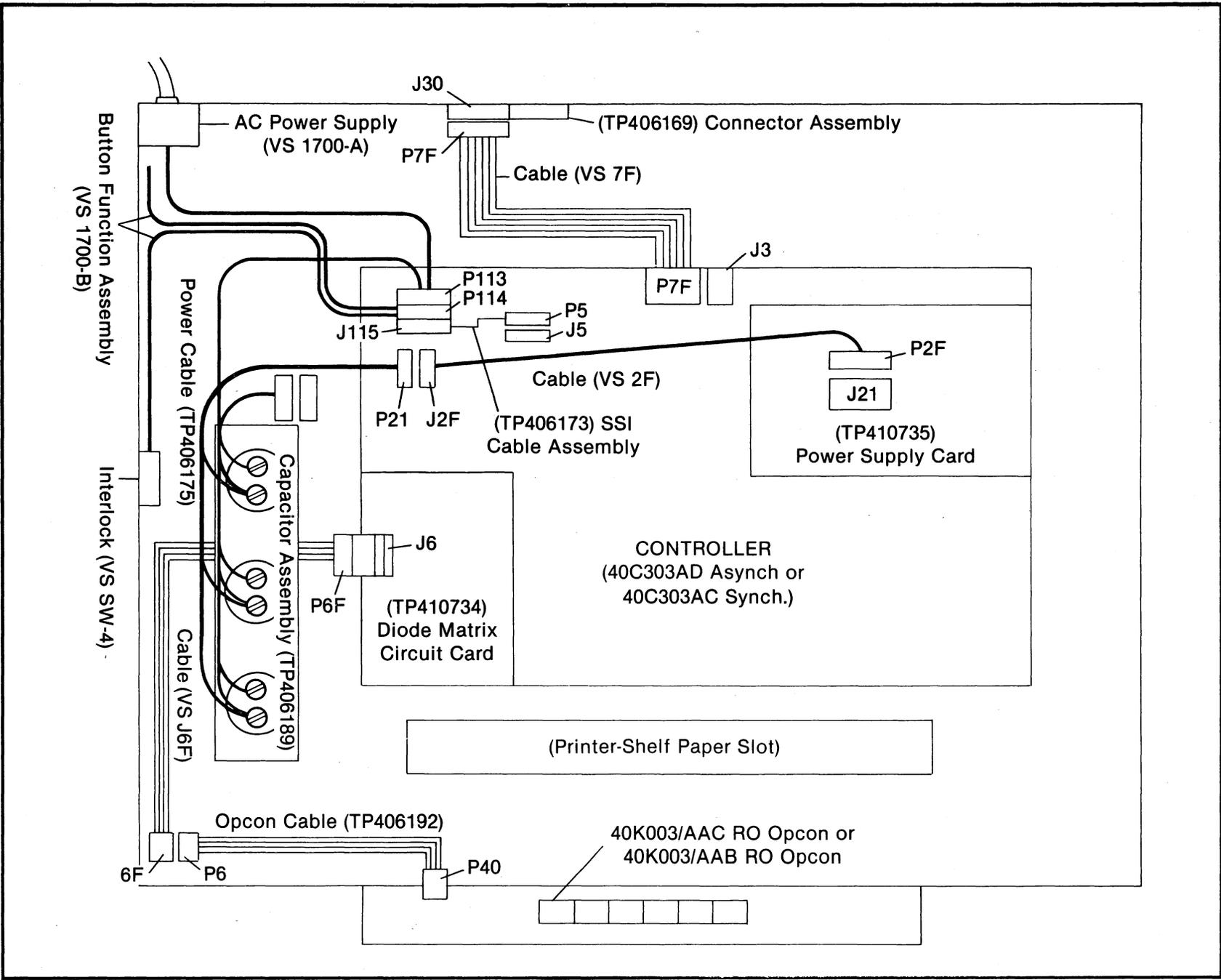


Fig. 3c

(As viewed from above looking through shelf)

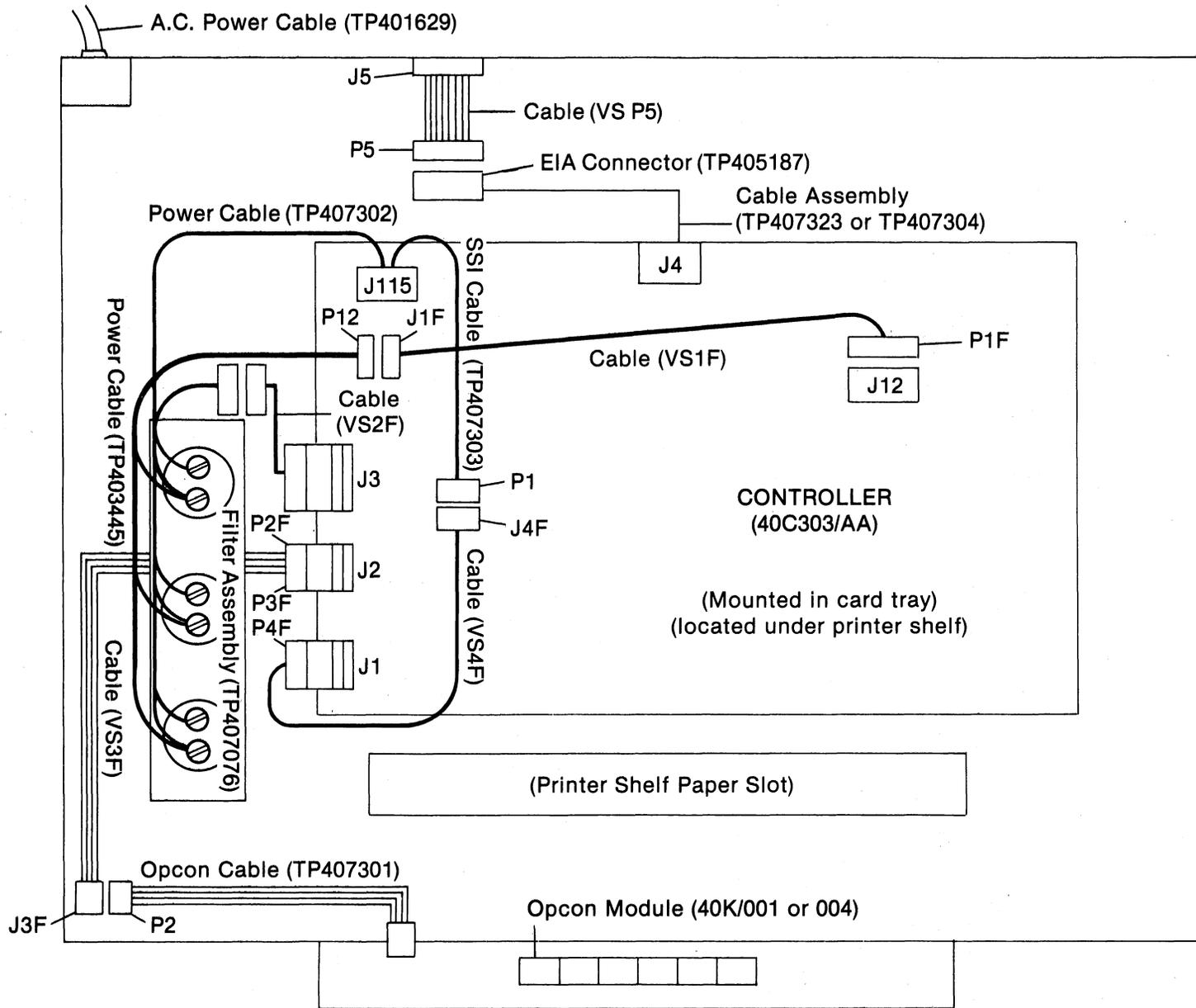


Fig. 4b

**3.06** Internal paper handling is accomplished by hanging rear chrome guide (VS 1722-C) (Fig. 5) in holes provided in front of rear paper exit slot.

**3.07** External paper flow is accomplished by first removing rear slot filler. (VS 1700-20/22-L) (Fig. 5)

Insert rear chrome guide (VS-1722-C) into paper guide tray (VS 1700-20/22-PGT). Follow instructions in Figures 9a through 9c.

**3.08** "OPTIONAL" Top Paper Exit.  
The modification kit (VS 1700-20/22-402) is installed by first removing Plexiglas mount clips and Plexiglas. Insert modification kit in place of Plexiglas with new mount clips provided. (Fig. 10)

**3.09** "OPTIONAL" Paper-Receiving Basket (VS 1700-00-PRB) may be ordered. Two holes are provided in the rear of the cabinet for installation. (Fig. 11)

#### 4. ROUTINE MAINTENANCE

**4.01** Cleaning of exterior surfaces:  
1. Wash with mild detergent solution.  
2. Rinse with damp cloth.  
3. Dry with soft cloth.

**4.02** Cleaning of QUIETIZER interior:  
1. Remove printer and paper from QUIETIZER.  
2. Vacuum interior walls and shelves.  
3. Mild detergent can be used on shelf area **only**.

**4.03** Plexiglas viewing area can be cleaned with mild detergent solution using **SOFT** cloth to prevent scratching. (Fig. 7 or 8)

**4.04 DATASPEED PRINTER**  
See routine maintenance section 582-210-750.

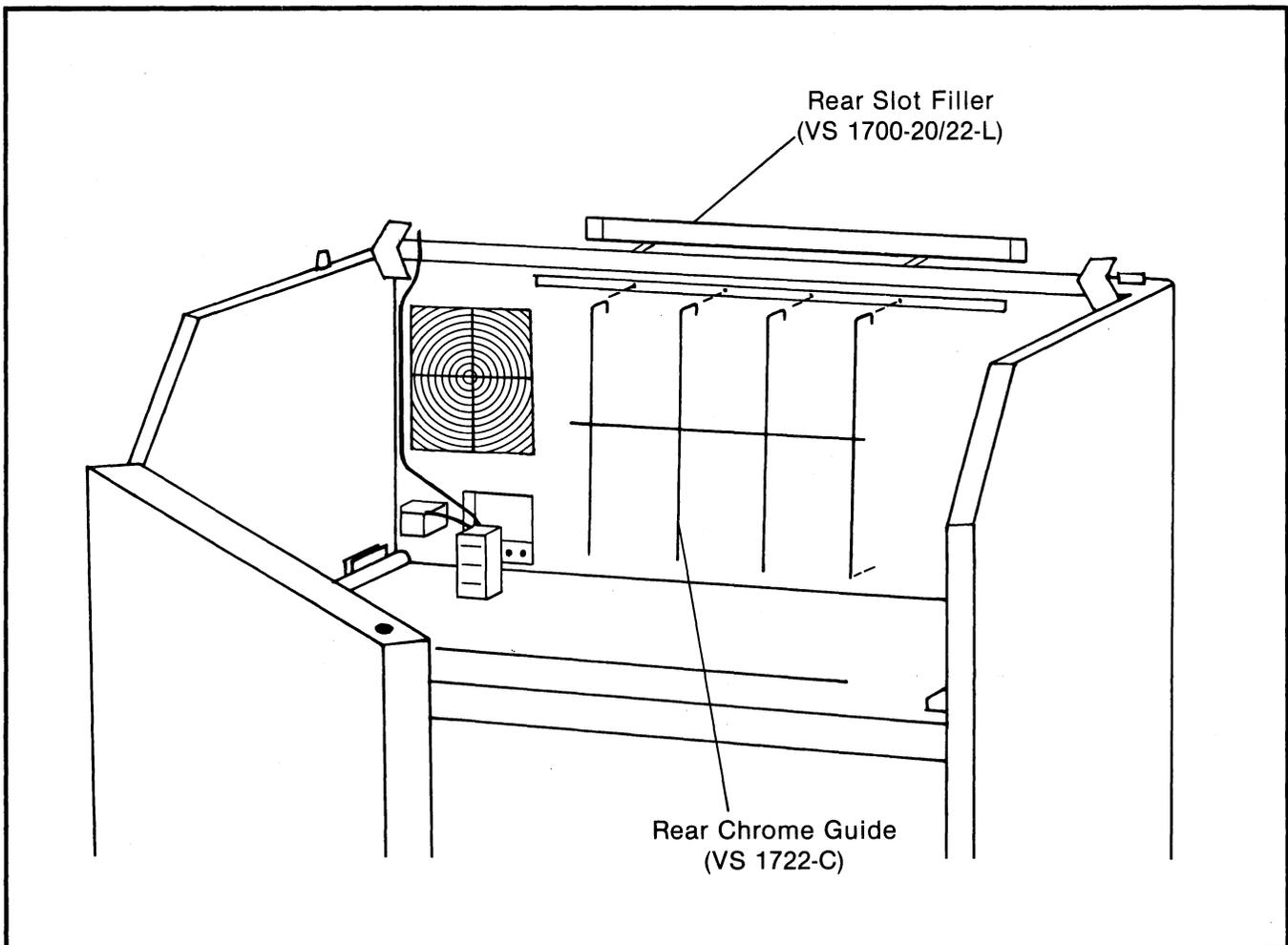


Fig. 5

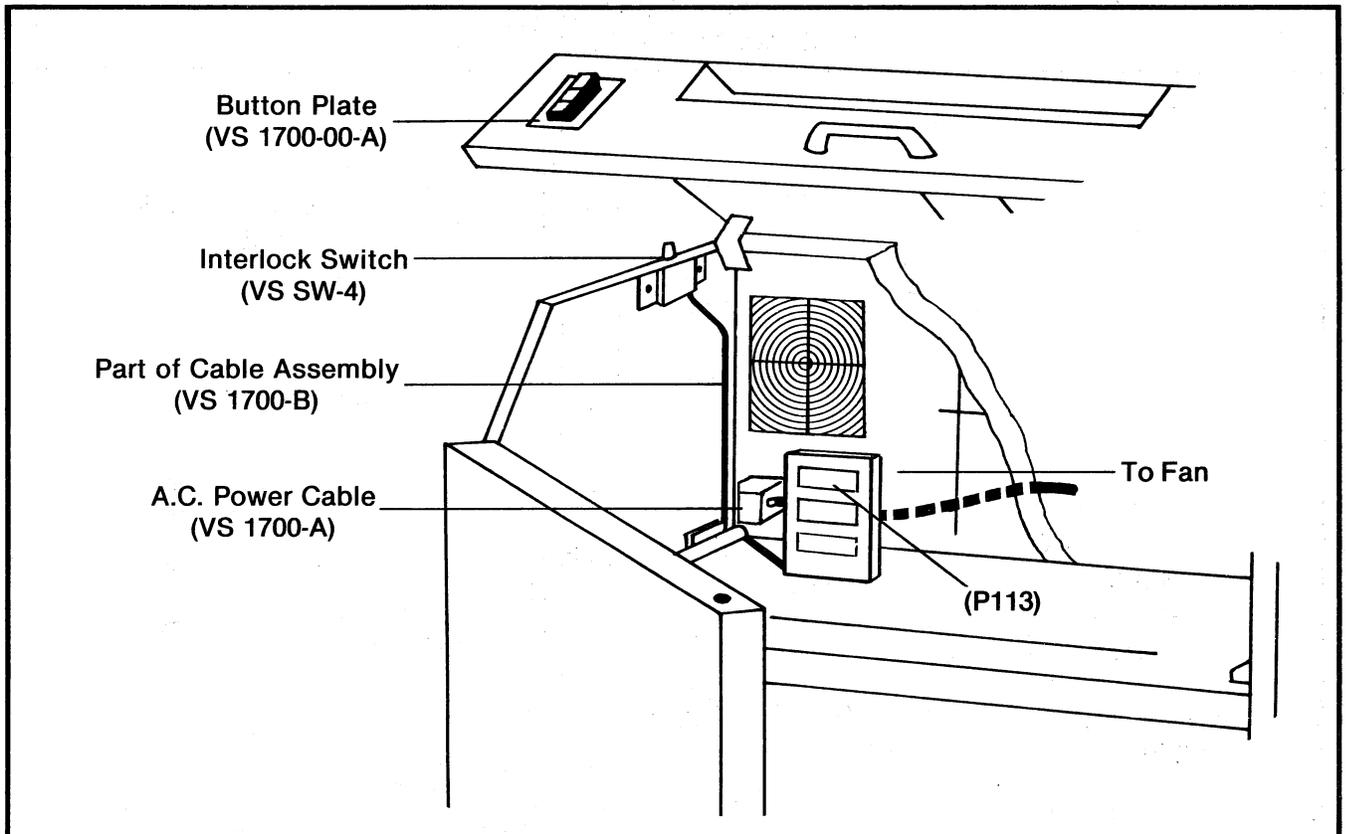


Fig. 6a

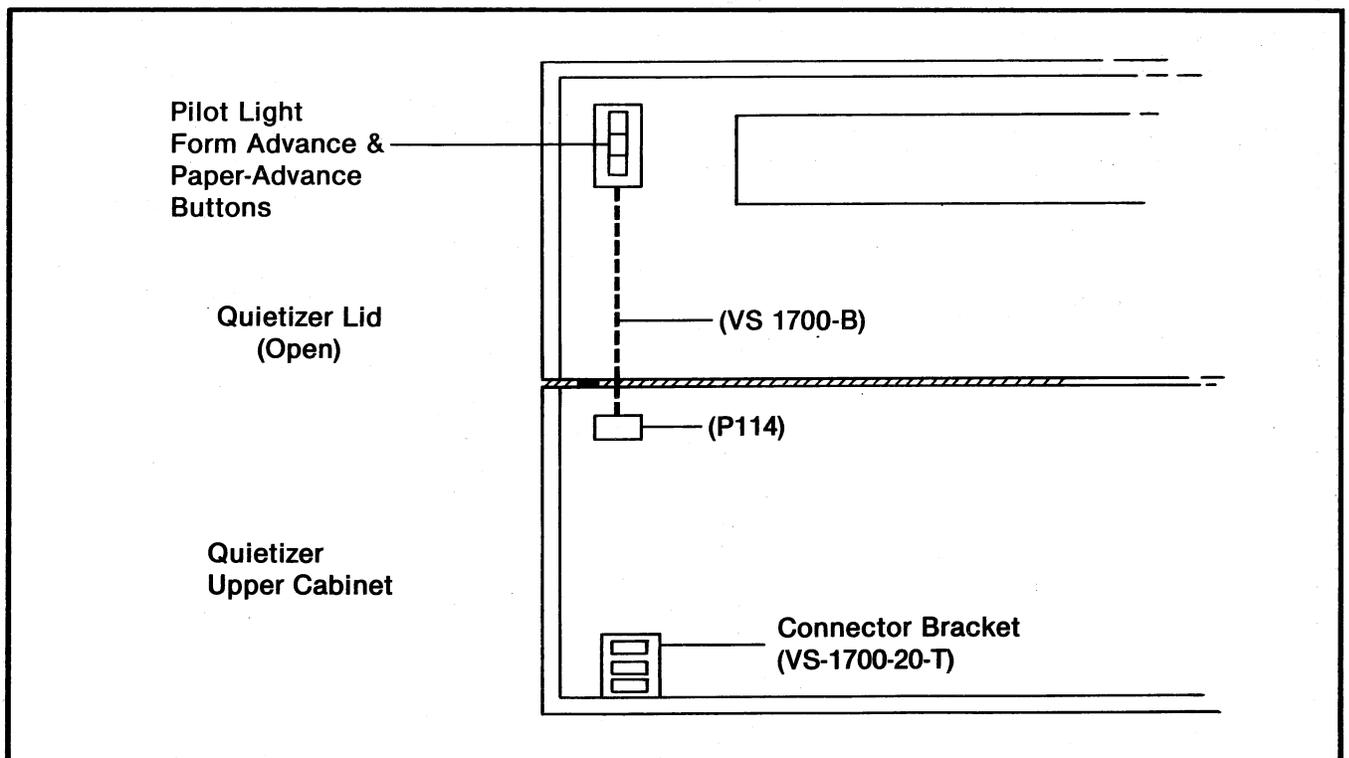
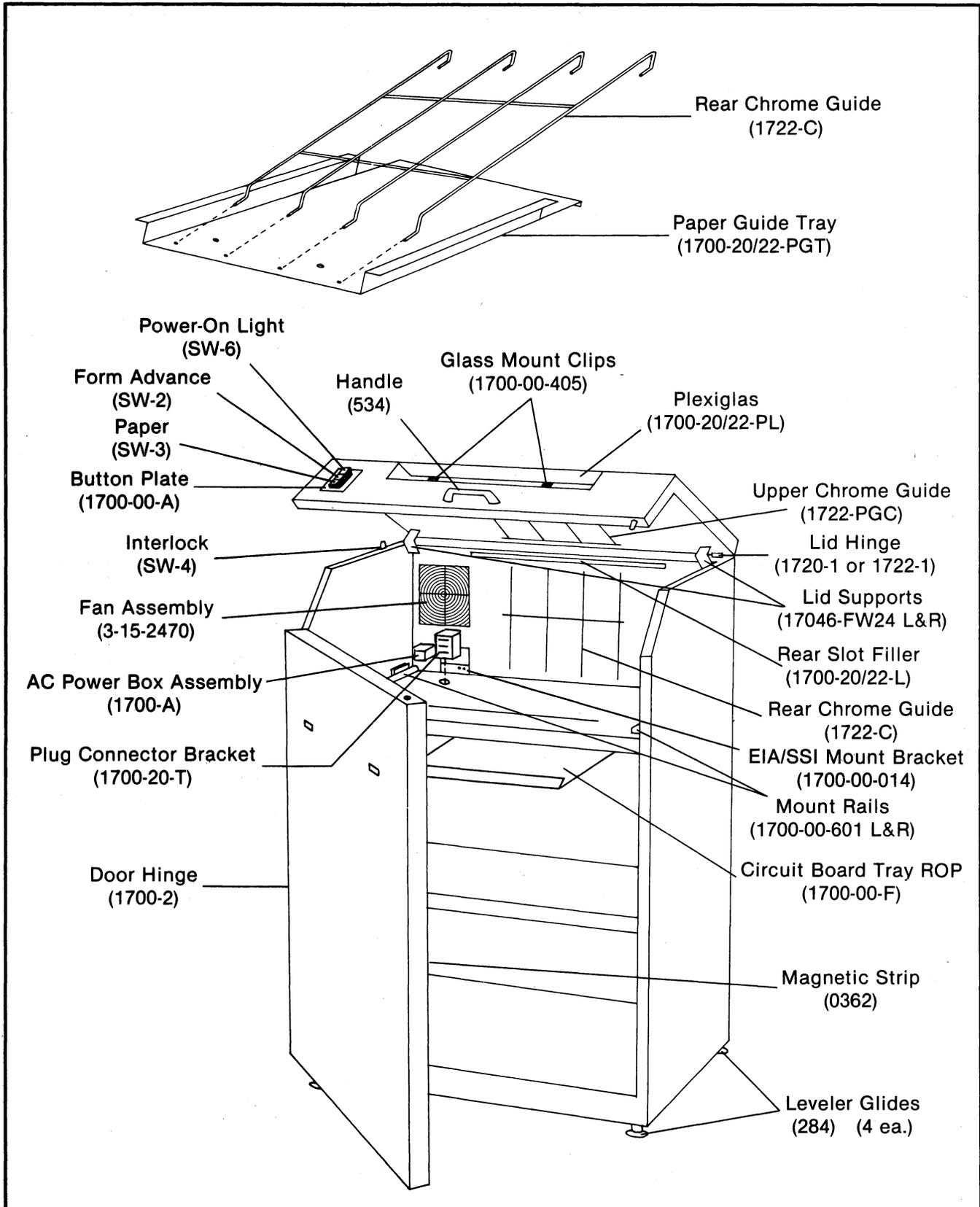


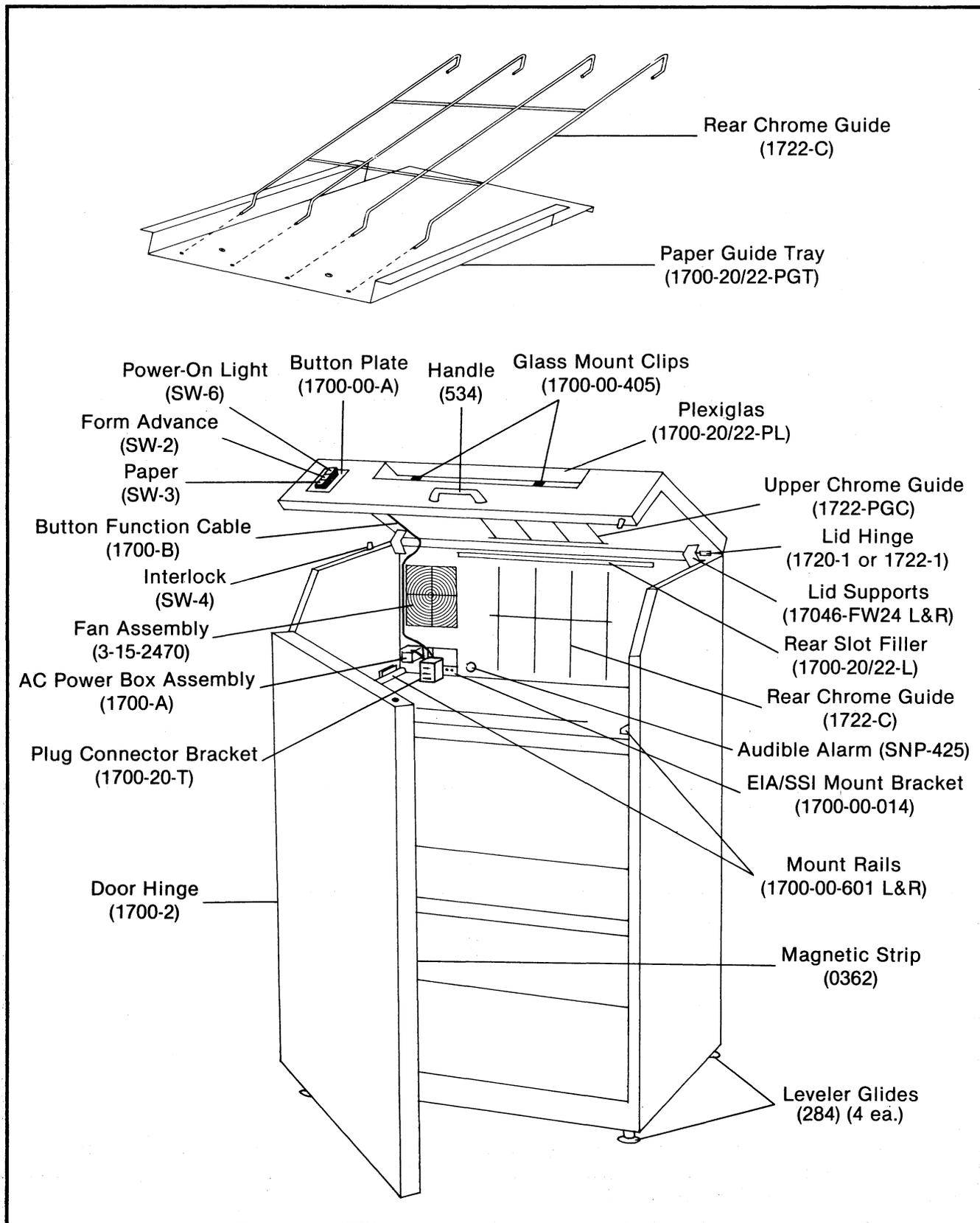
Fig. 6b

**PARTS LOCATION  
 QUIETIZER 1725-5A and 1726-5A**



**Fig. 7**

**PARTS LOCATION**  
**QUIETIZER 1720-5 and 1722-5**



**Fig. 8**

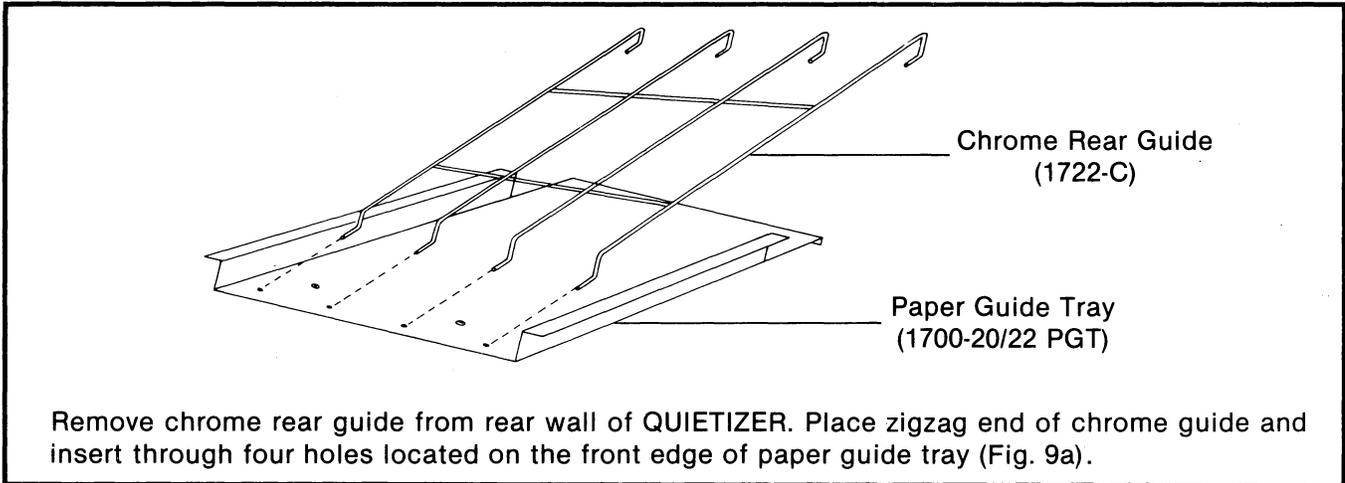


Fig. 9a

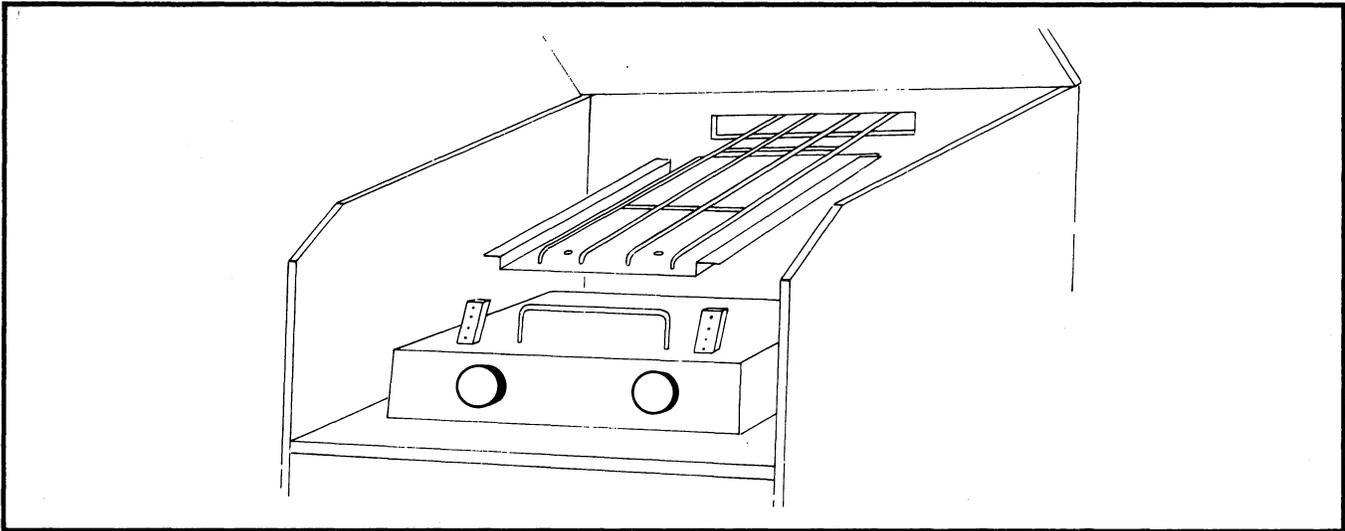


Fig. 9b

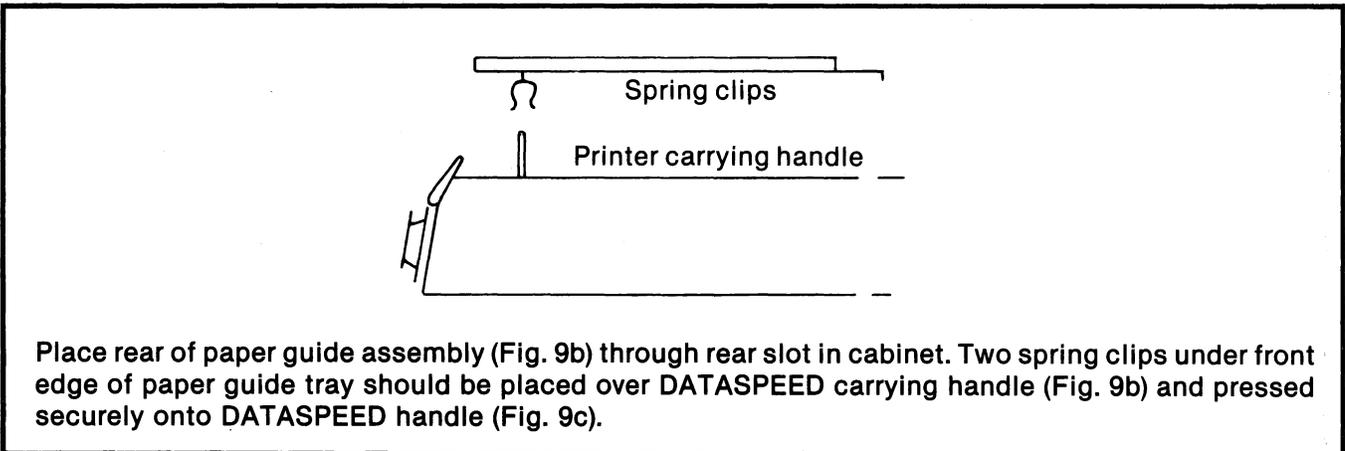
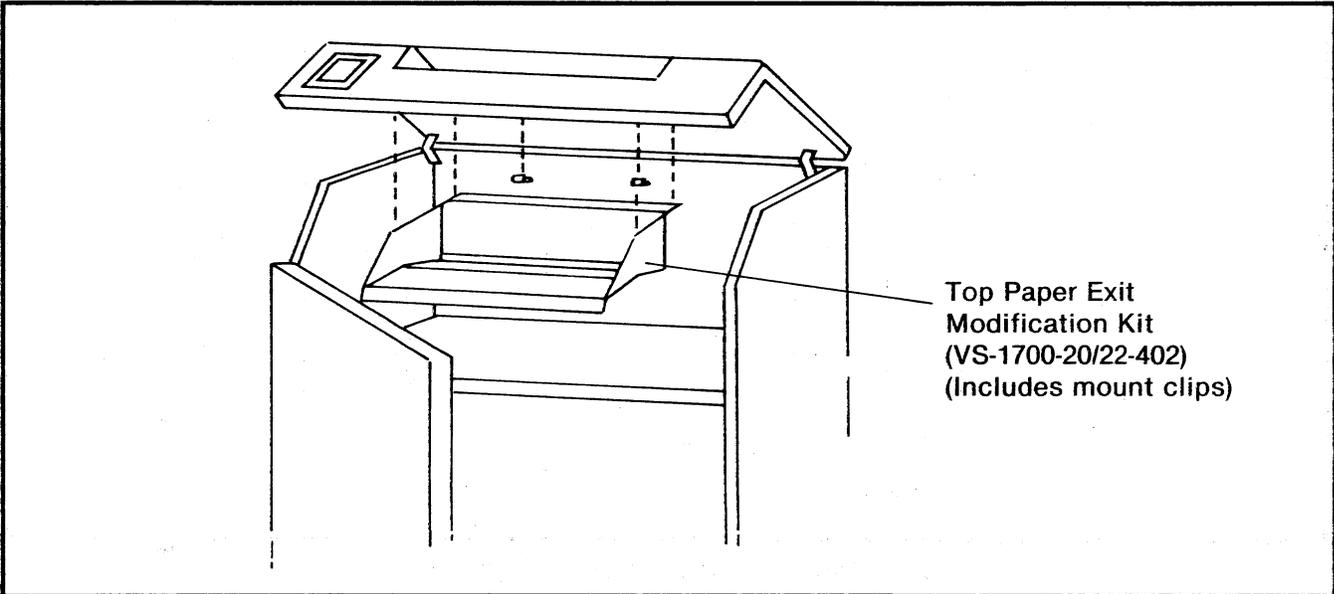
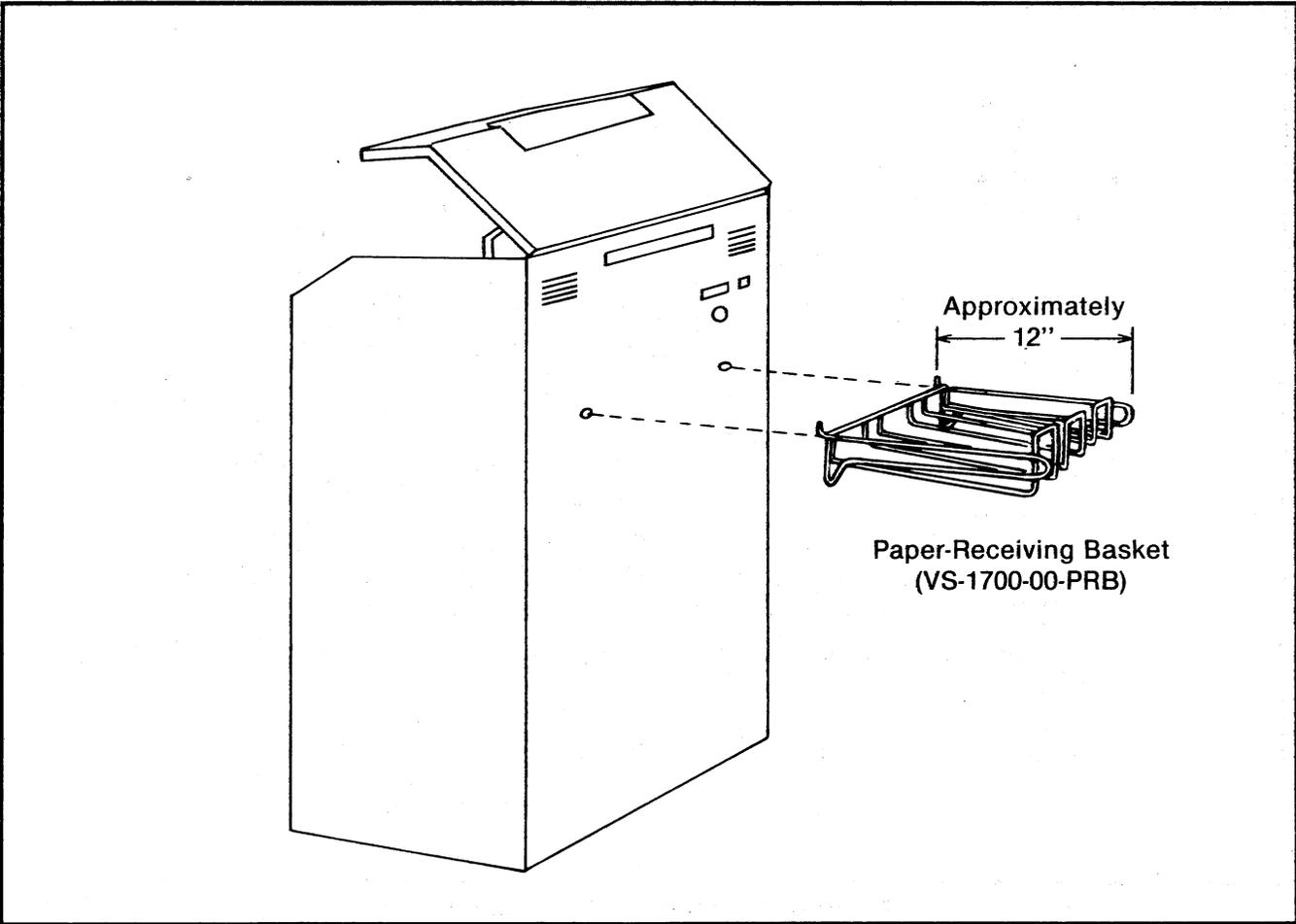


Fig. 9c

**"OPTIONAL" Top Paper Exit — Modification Kit**

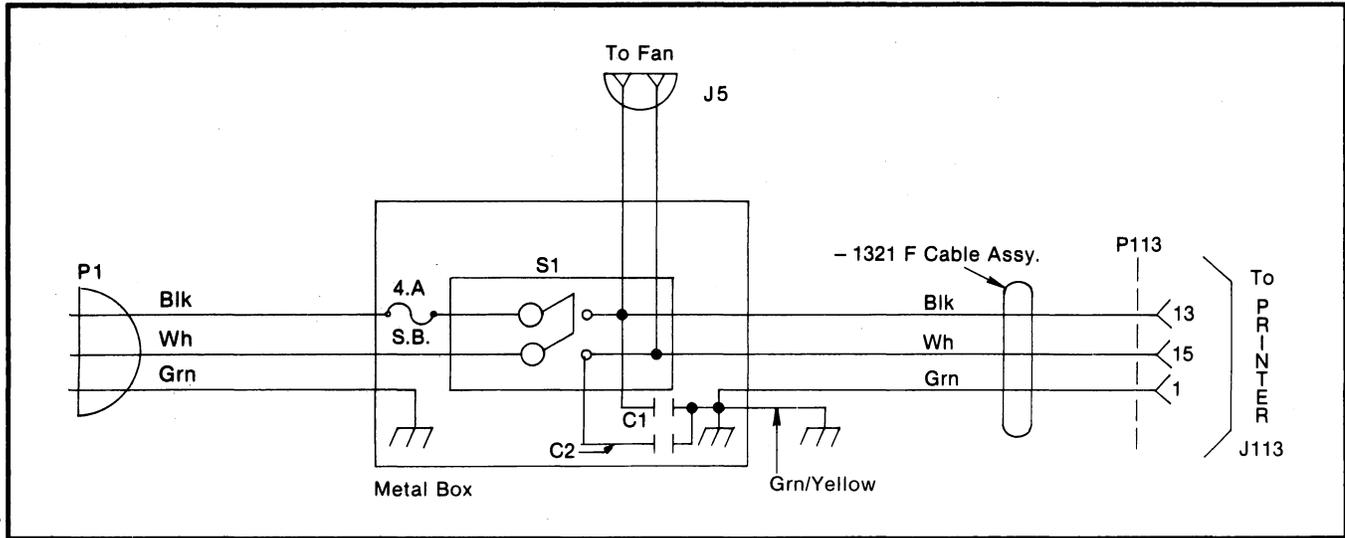


**Fig. 10**

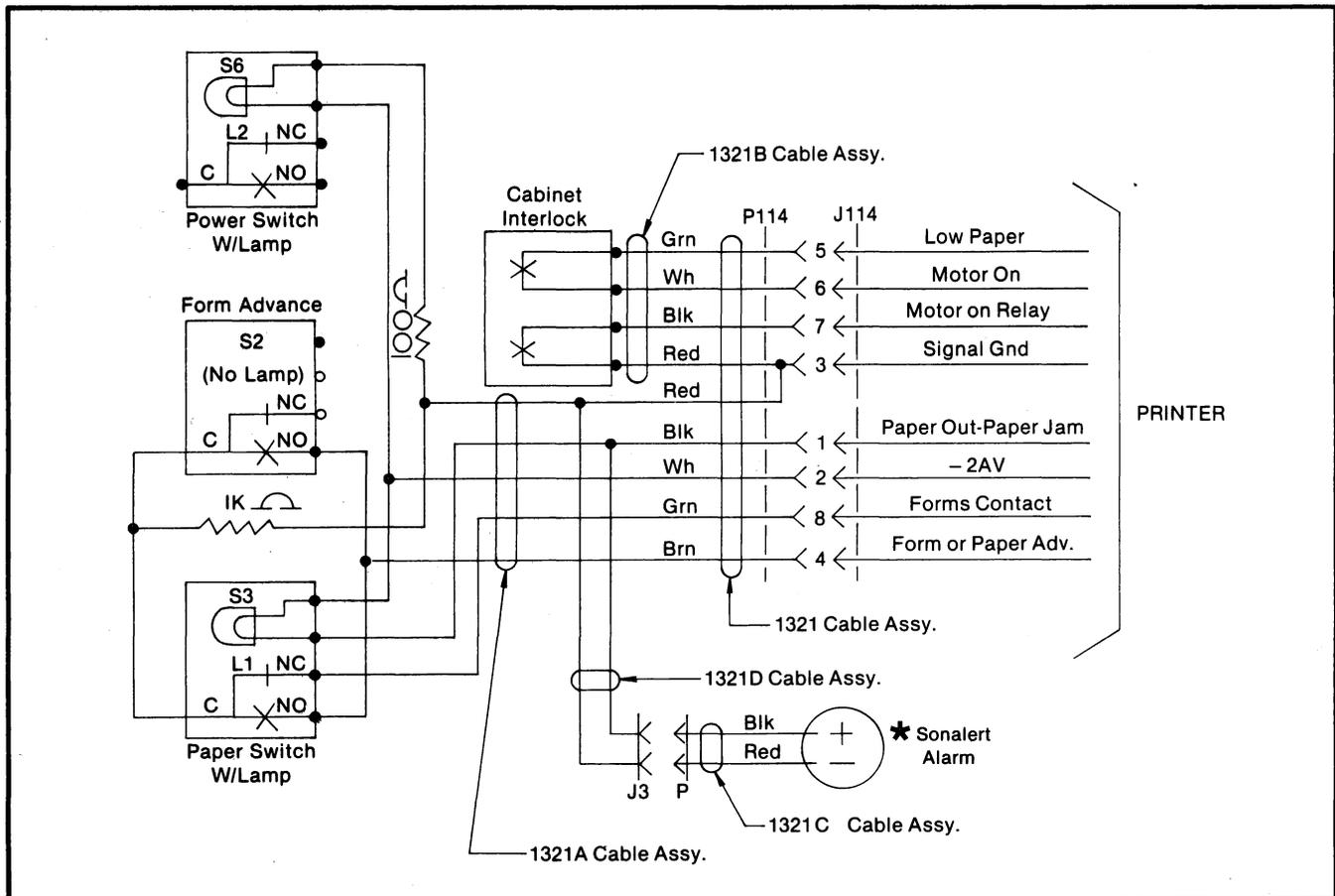


**Fig. 11**

5.0 WIRING



**A.C. Power Distribution Wiring Schematic  
(Assembly No. 1700-A)**



**Function Button Cable Wiring Schematic  
(Assembly No. 1700-B)**

\* (Not included in 1725-5A or 1726-5A)

**6. PARTS**

If direct contact is needed to expedite an order, call (213) 961-7211.

**6.01** The ordering of complete enclosures and spare parts can be made directly to Van San Corporation. When ordering, be sure to include the AT&T National Contract agreement number (ATT-232). Orders should be sent to:

Van San Corporation  
16735 East Johnson Drive  
City of Industry, CA 91745  
Attn: Mr. S. A. Holland

**6.2 PARTS LIST**

Standard components to Van San Quietizers 1720-5, 1722-5, 1725-5A, 1726-5A Recommended Maintenance Kit parts are indicated by "X" in the extreme right hand column.

ASSY./SUB ASSY. PART NUMBER	DESCRIPTION	1720-5	1722-5	1725-5A	1726-5A	Maint. Kit.
	<b><u>ELECTRICAL COMPONENTS</u></b>					
1700-A	AC Power Box Assy.	X	X	X	X	
SW-1	Slide Switch					
P-1	AC Cord					
C-1, C-2	Capacitor Ceramic					
B-1	Junction Box					
P-2	Fan Cord (J5)					
P-113	Connector (Red)					
P-11	Connector Pin (3 ea.)					
313004	Littel-Fuse 4.Amp. Slow Blow					X
342004	Littel Fuse Holder					
1700-B	Cable Assy. to Buttons	X	X	X	X	
P-114	Connector (White)					
P-11	Connector Pin (8 ea.)					X
15-04-0240	Molex Block Connector					
02-06-5105	Connector Block Pins					
R-1	1K ¼ Watt 5%					
R-2	100 Ohm ¼ Watt 5%					
SW-6	Power-On (Pilot Light 28V)	X	X	X	X	
SW-2	Form Advance Button	X	X	X	X	X
SW-3	Paper Advance Button	X	X	X	X	X
L-24	Replacement Lamp					X
SW-4	Interlock Switch	X	X	X	X	X
3-15-2470	Fan Assy.	X	X	X	X	X
6-182-033	Fan Guard					
SNP-428	Sonalert (Audible Alarm)	X	X			
1725/26-5 ROP	ROP Extension Cable (5 ea.)					
1725/26-5A	ROP Extension Cable (3 ea.)			X	X	

6.2 PARTS (continued)

ASSY./SUB ASSY. PART NUMBER	DESCRIPTION	1720-5	1722-5	1725-5A	1726-5A	Maint. Kit.
<u>STANDARD BRACKET PARTS</u>						
1700-00-A	Button Plate (3-Hole)	X	X	X	X	
1700-00-C	Button Plate (1-Hole Rectangle)					
1700-00-E	ROP Bracket 25 Pin Angle			X	X	
1700-00-F	ROP Circuit Board Tray			X	X	
1700-20-T	Plug Connector Bracket	X	X	X	X	
1700-00-013	TTY Bracket (Interlock)					
1700-00-014	TTY Bracket (EIA/SS1)	X	X	X	X	
1700-00-015	TTY Bracket (AC)					
1700-20L	Rear Slot Filler Bracket	X		X		
1700-22-L	Rear Slot Filler Bracket		X		X	
1700-405	Mount Clips Plexiglas	X	X	X	X	
1700-20-PGT	Paper Guide Tray	X		X		
1700-22-PGT	Paper Guide Tray		X		X	
<u>OPTIONAL ACCESSORIES</u>						
1700-20-402	Top Exit Mod Kit (80)	X		X		
1700-22-402	Top Exit Mod Kit (132)		X		X	
1700-00-411	Mount Clips	X	X	X	X	
1700-00-PRB	Paper-Receiving Basket	X	X	X	X	
ROP-AD	Modification Kit To adapt cabinet for use with 40C303AC or AD Controller					

6.1 PARTS (continued)

ASSY./SUB ASSY. PART NUMBER	DESCRIPTION	1720-5	1722-5	1725-5A	1726-5A	Maint. Kit.
<b><u>STANDARD FIXTURE PARTS</u></b>						
17046-FW24	Lid Support (R&L)	X	X	X	X	X
534	Handle	X	X	X	X	
284	Leveler Glides (4)	X	X	X	X	
0362	Magnetic Strip (Door Catch)	X	X	X	X	
1722-PGC	Chrome Lid Guide	X	X	X	X	
1722-C	Chrome Rear Guide	X	X	X	X	
1700-00-601 (R&L)	Mount Rail Channel	X	X	X	X	
192557	Grommet to mount rails	X	X	X	X	
153841	Screw for grommet to mount rails	X	X	X	X	
1720-1	Lid Hinge (21")	X		X		
1700-2	Door Hinge (32")	X	X	X	X	
1722-1	Lid Hinge (27")		X		X	
1700-20-PL	Plexiglas	X		X		
1700-22-PL	Plexiglas		X		X	
<b><u>PACKING MATERIAL</u></b> (Complete Unit Set)						
<b><u>1720-5 and 1725-5A</u></b>						
<b><u>QTY.</u></b>	<b><u>DESCRIPTION</u></b>	<b><u>DIMENSIONS</u></b>	<b><u>WT.</u></b>			
1 ea.	1720/25 Carton	23x23x41-7/8	275# DW	X	X	
2 ea.	1720/25 Top/Bottom Pad	23x23 slit @4-8-31-35	200# DW	X	X	
1 ea.	1720/25 Poly Bag	23x21x50		X	X	
<b><u>1722-5 and 1726-5A</u></b>						
1 ea.	1722/26 Carton	29x23x41-7/8	275# DW		X	X
2 ea.	1722/26 Top/Bottom	45x23 Slit @4-8-31-35	200# DW		X	X
1 ea.	1722/26 Poly Bag	27x21x42			X	X
<b><u>1720-5 through 1726-5A</u></b>						
4 ea.	Corners	21x40-1/4 Slit Scored	200 DW	X	X	X

# NOTES