

PRIVATE SERVICE SYSTEMS
NO. 400 DATA PACKAGE
INSTALLATION

1. GENERAL

1.01 This section provides information for the installation and connection of a 10 to 60 line 400 Data Package.

1.02 PJ2G030A-1 List 1, cabinet assemblies are rated Manufacture Discontinued (MD). PJ2G030A-2 List 1 and 4 are standard.

2. TOOLS

2.01 In addition to standard tools required for installation work, the following tools or their equivalent are required:

R-1257 adjustable bench level.

R-2384 30-inch pinch bar.

5/16-inch wrench for removing nut from locking bolt on bottom of each slide.

3. PLANNING

3.01 Fig. 1 shows floor space requirements for the cabinet and required maintenance space.

3.02 The location should meet the following requirements:

- (1) Floor strong enough to support cabinets
 - (a) Cabinet 1 equipped with 20 lines weighs approximately 800 pounds; and cabinet 2 with 40 lines, approximately 800 pounds.
 - (b) Dimensions of cabinet in crate are as follows: 40-1/2 inches deep, 35-1/2 inches wide, and 77 inches high.

3.03 Refer to Section 460-110-180 for general information concerning the selection of equipment location.

3.04 Customer should provide commercial power wiring as follows:

- (1) 105- to 130-volt 60 Hz + 1/2 Hz ac service on a separate 15-amp fuse not controlled by a switch.
- (2) 3-wire circuit with third wire grounded in distribution cabinet.

(3) Hubbell No. 5261 (3-wire) or equivalent receptacle.

(4) Receptacle should be located adjacent to cabinet and in a position readily accessible for removal of plug for maintenance purposes. (Locate receptacle at a height above normal to prevent accidental removal of power cord plug.) Where local regulations permit, an ES-528772 cord clamp bracket together with a Tinnerman cord clamp of proper size may be used to prevent accidental removal of power cord plug.

4. INSTALLATION OF CABINET

4.01 Uncrate cabinet as near as possible to its final location.

4.02 Level cabinet and, if necessary, shim the base with hardwood or metal shims. Use a sufficient number of shims to ensure equal weight distribution at base.

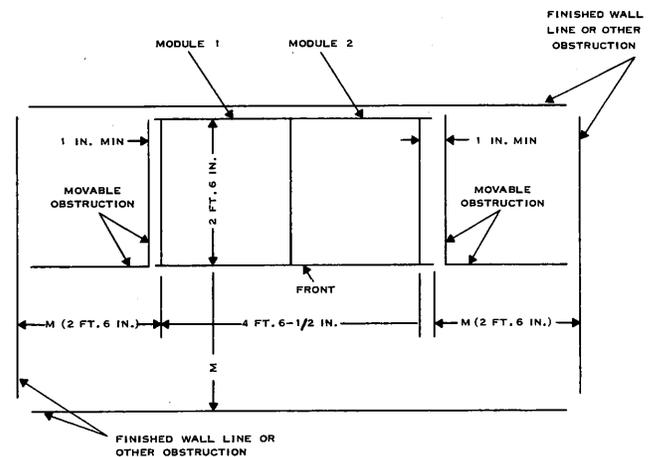


Fig. 1
Floor Space Requirements

Notes:

1. Dimension M is area needed during maintenance visits and should not be less than 2 feet 6 inches.
2. Height 6 feet 3 inches with top cover installed.

4.03 To prevent damage to slides in shipping a 5/16-inch bolt is placed through the bottom of each slide and its supporting framework (Fig. 2). These bolts must be removed before slides can be opened. Retain bolts for future shipping use.

4.04 To open a slide, the latch located at the top front edge must be released. Only one slide can be opened at a time.

4.05 To gain access to crown terminal strips slide top cover forward and remove.

5. CABLING AND WIRING

5.01 Place station cable and wire in accordance with existing practices.

5.02 Cable entrance can be made either through holes in the rear cover panel assembly of each cabinet, or through an open end of the cable duct.

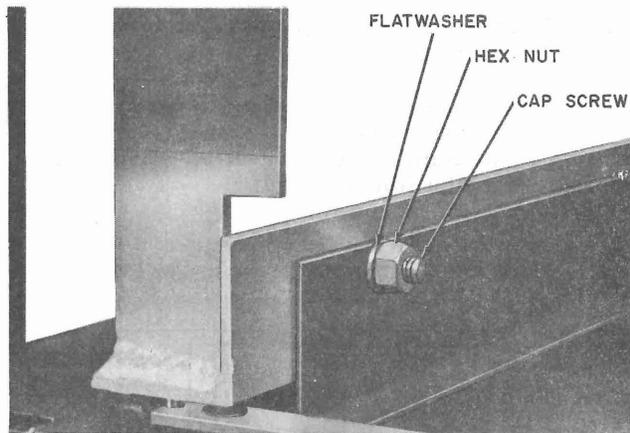


Fig. 2
Slide Stop Bolt in Position For Shipping
(Cabinet ED-1E037-70)

5.03 When cables are to enter through the holes in the rear cover panel assembly, knock-outs must be removed and grommets (Cat. No. G51HC, Nylon Molding Corp. Garwood, N.J.) must be inserted into the holes.

5.04 When a cable arrangement is modified and a hole in the rear cover panel assembly is no longer used as a cable entrance, insert a plug button (P-47F431) into the hole.

5.05 When cable entrance is not by way of the cable duct ends, the cable duct must be closed on each end using the two cover plate assemblies provided. Connect each cover plate assembly to cover top assembly using the speed clips provided.

Cabinet Grounding

5.06 The cabinets of a multiple cabinet installation must be electrically bonded together using ground strap P-45K874 or equivalent. When bonding one cabinet to another cabinet, the ground strap to be used is contained in the cloth bag located inside the cabinet.

5.07 To connect ground strap, perform the following steps (See Fig. 3):

- (1) Remove and store the cover top assembly of each cabinet.
- (2) Remove the two screws shown in Fig. 3.

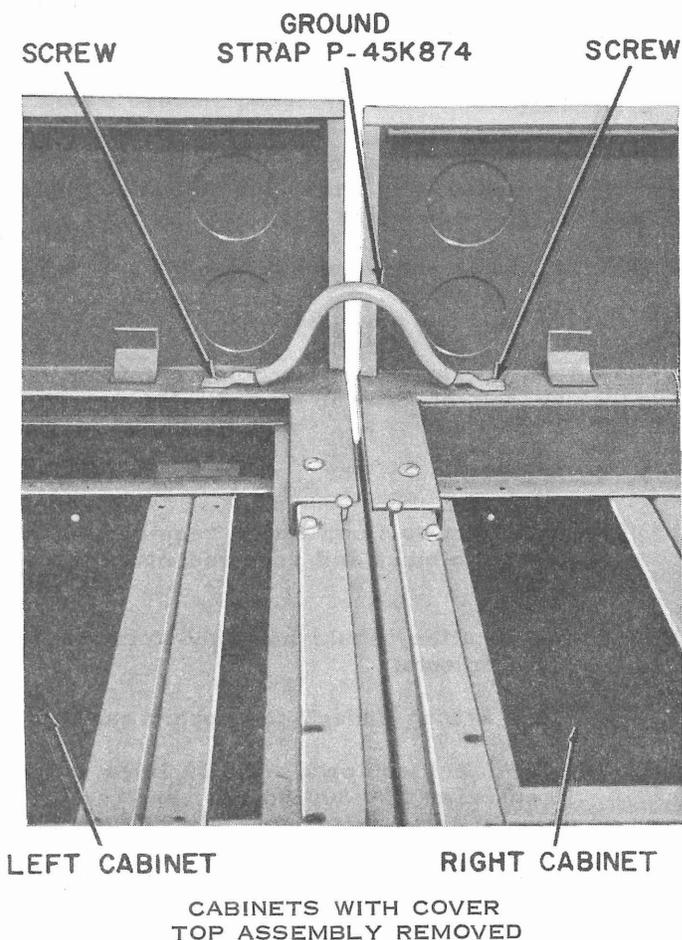


Fig. 3 - Connecting Ground Strap
Between Two Cabinets

- (3) Clean contacting metal surfaces beneath screw heads to bright metal.
- (4) Connect ground strap between cabinets using screws removed in Step (2). Tighten screws with a screwdriver.
- (5) Replace cover top assembly.

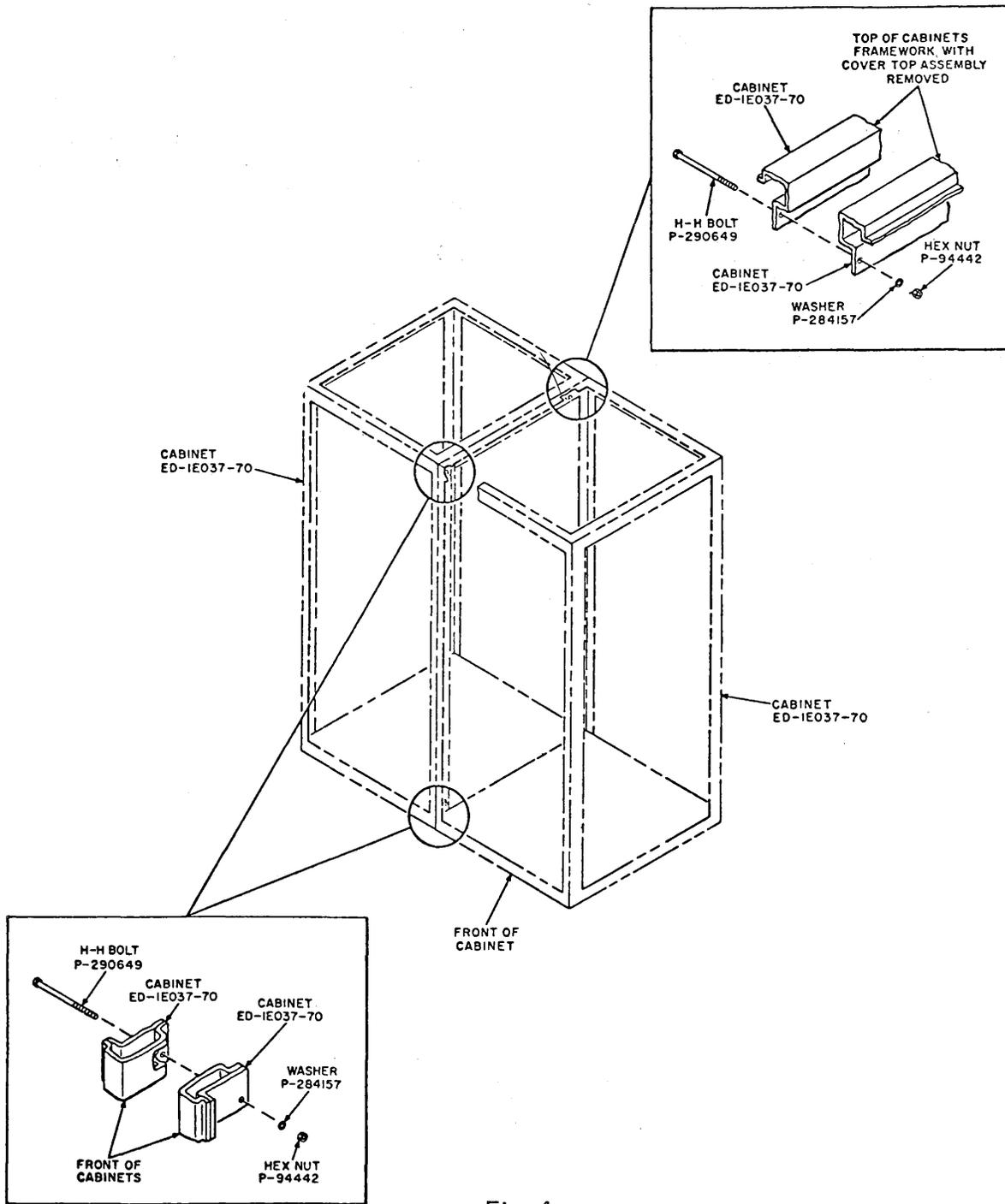
5.08 The PBX frame ground is normally obtained through the third wire in the power cord. To insure that the cabinet continues to be grounded when the power cord is removed, a building lead must be provided.

5.09 The M1 thru M5 ground leads of the 25-pair M cable from module No. 1 must be connected to an approved local ground. After the house cross-connection box is

assembled, strap the M1 thru M5 ground terminals together at the house box and run ground wire from these terminals to an approved local ground.

5.10 When bolting cabinets together, open slides as necessary, locate holes, and bolt the cabinets together as shown in Fig. 4. The hardware for bolting the cabinets together is contained in a cloth bag located inside the cabinet.

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Fig. 4
Bolting Two ED-1E037-70 Cabinets Together

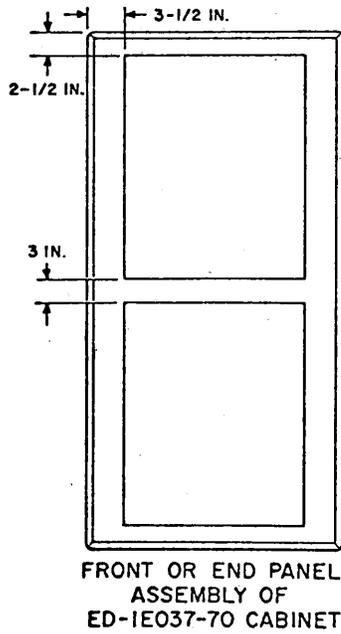


Fig. 5
Installation of Soundproofing on Panels

Soundproofing Cabinet Front and End Panels

5.11 Soundproofing kits are available on an optional basis for soundproofing the front and end panels of the cabinets. One kit is required for each cabinet panel to be soundproofed. The kit consists of two adhesive-backed Foamstik tape panels 24-inches long by 18-1/2-inches wide by 1/2-inch thick.

5.12 To install the soundproofing material, proceed as follows:

- (1) Remove panels from cabinet and place in horizontal position with inside up.
- (2) Clean inside of panel (dust free).
- (3) Place the exposed adhesive of two Foamstik tape panels on the center of each cabinet panel and press firmly (See Fig. 5).
- (4) Replace panels on cabinet.