

PRIVATE LINE EQUIPMENT NO. 51

INSTALLATION

1. GENERAL

1.01 This section covers the installation of the No. 51 private line equipment.

2. LOCATING AND MOUNTING

2.01 The key cabinets are designed to mount flush in a table top. The table shall be provided by the customer, and shall be of sufficient size to be stable and allow the key cabinet to be located so that the keys are within easy reach of the attendants on either side.

2.02 Locate the table so as to avoid a strong light falling on it making the lamp indications difficult to observe.

2.03 The table shall not be cut until the key cabinet has been delivered to the premises in order to obtain correct measurements for the cutout in the table top. The cutting of the table and the support of the key cabinet on the table will be the responsibility of the customer.

2.04 Key cabinets mounted on the same table shall have a minimum of 1-1/2 inches between the cutouts in the table to allow the covers of the key cabinets to be opened.

2.05 The designation cards together with the associated protection strips shall be placed in the holders provided on the top of the key cabinet. The designation card placed on the line lamp side shall read from left to right. The designation card placed on the busy lamp side shall read from right to left.

Attendant's Telephone Set and Telephone Jacks

2.06 If head telephone sets or handsets with plug-ended cords are specified, locate the jack mounting on the apron or at either end

of the table just below the overhang. If handsets without plug-ended cords are specified, locate the connecting blocks in the same manner as the jack mountings. A 4A handset hanger shall be mounted on apron of the table to hold the handset when not in use.

2.07 The dials, if required, are mounted on each end of the key cabinet by removing the apparatus blanks and mounting the dial mounting using the screws specified in the section covering supplies.

Apparatus Cabinets and Equipment

2.08 Locate apparatus cabinets and mount in accordance with the sections that cover this work. The following paragraphs, however, supplement the data given.

2.09 The line relay units with screw type terminals are fastened on the gate of the ES-10411, List 16, apparatus cabinet with the four machine screws furnished with the unit. The terminal panel of the line relay unit is fastened on the wooden apparatus panel in the back of the apparatus cabinet in the space provided with three No. 8 x 1-1/4 inch R. H. blued wood screws provided with the unit.

2.10 Mounting assemblies per Drawing ED-69143-01, G1, shall be mounted in the ES-10411, List 16, apparatus cabinet in the two bottom mounting plate spaces; or in the apparatus cabinet per Drawing ED-91472-01, as shown on Drawing ED-69142-01, which shall be ordered if needed. For the mounting assemblies to conform with Drawing ED-69142-01 note that the flat side of the bent bars is to the rear, the largest straight end of the bars is to the left, and the narrowest portion of the metal at the mounting screw hole always goes towards the adjacent mounting plate space, or if the top or bottom bar towards the top or bottom of the cabinet, respectively.

2.11 The 13B key telephone units are mounted on mounting assemblies in the apparatus cabinets as shown on Drawing ED-69142-01 with the two machine screws provided.

3. WIRING

3.01 Wiring to the apparatus cabinets shall preferably be terminated directly on the terminals of the units in the apparatus cabinets. If only one cabinet is placed on a mounting base leave at least 8 inches slack in the cable so that, should a second cabinet be added later, the initial cabinet may be raised to the lower position on the mounting details. When the 13B key telephone units are mounted in the apparatus cabinets, cables shall be arranged as shown on the cabling arrangement Drawing ED-69142-01. Cables shall be arranged in the ES-10411, List 16, apparatus cabinets as shown by Drawing HS-1574, which is furnished with the cabinet. Cables shall be arranged in the

ES-10411, List 6, apparatus cabinets as shown by Drawing HS-1575, which is furnished with the cabinet.

3.02 Wiring at the key cabinets shall be done as shown in Figure 1.

4. CONNECTING

4.01 Connections to be made in the ES-10411, List 16, apparatus cabinet to line relay units and to the key cabinets are shown on Drawing 4GS-405, Sheet 3, which is furnished in ES-10411, List 16, apparatus cabinet. This drawing also shows the connections to the 13B key telephone units.

4.02 Connections to be made in the ES-10411, List 6, apparatus cabinet to line relay units and to the key cabinets are shown on Drawing 4GS-405, Sheet 4, which is furnished in the ES-10411, List 6, apparatus cabinet.

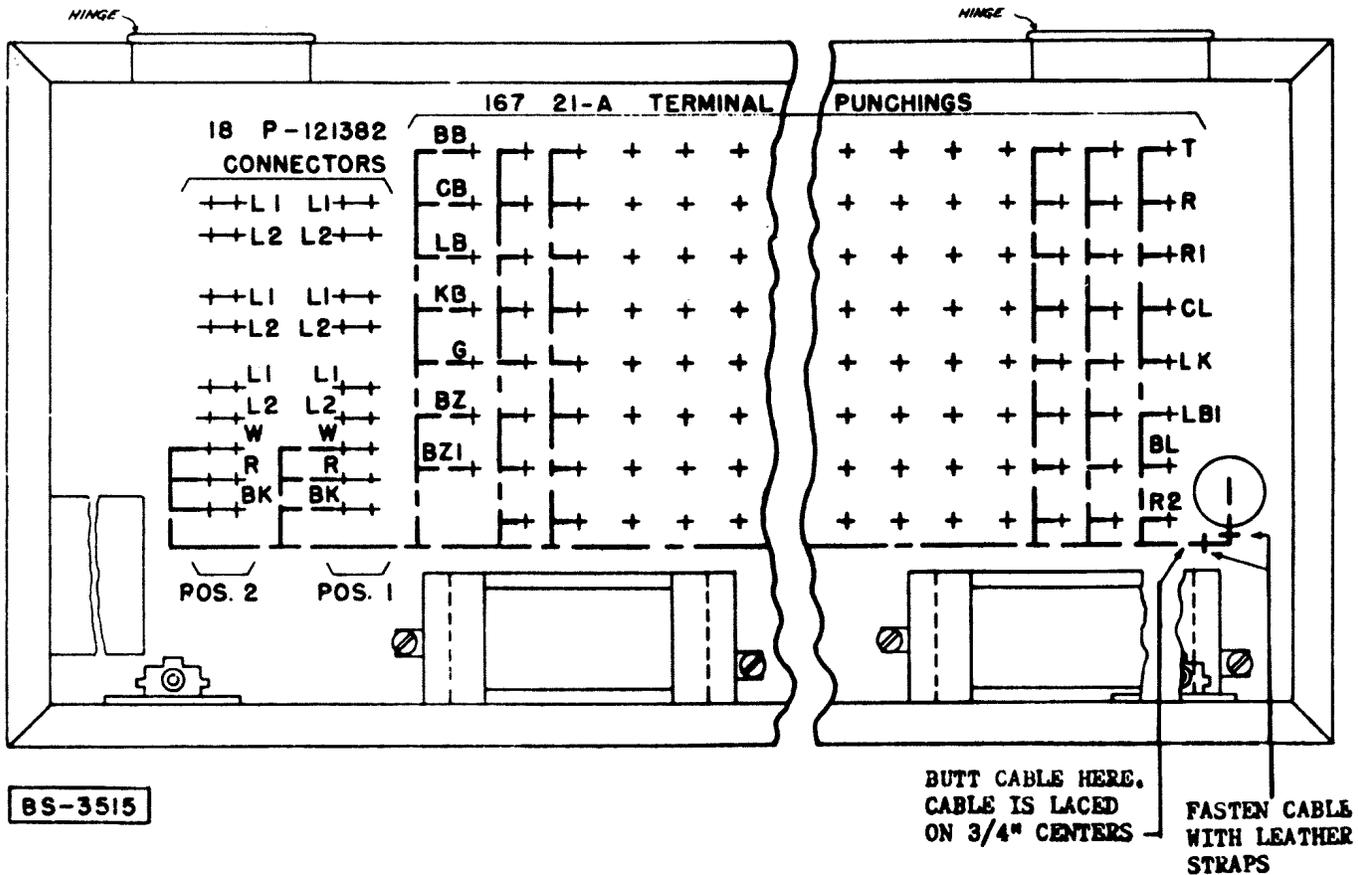


Figure 1 - Cabling at Key Cabinet