SECTION 461-200-206
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AT&TCo Standard

B STATION WIRE
AND ASSOCIATED APPARATUS
IDENTIFICATION AND INSTALLATION

1. IDENTIFICATION

Purpose — For telephone installations in areas where it is impossible or impractical to use conventional station wire and standard fasteners.

Design Features

(2) Associated apparatus — adhesive backing provided with a paper liner.

- ***No. 717 terminal*** — snap-on cover. Four-screw terminal block for terminating D Station Wire or cord conductors.
- ***No. 718 tap*** — provides means for making a tap and/or for splicing B Station Wire.
- ***No. 719 jack*** — provides ready connections from B Station Wire to a receptacle which accepts any standard 4-prong telephone plug.
- ***No. 720 corner*** — covers fold in B Station Wire, when wire run requires a 90-degree turn.
- ***721 transition*** — provides ready connections from B Station Wire to conventional station wire.
- ***Model E-14 hand roller*** — provides means of applying even pressure to wire run during installation to ensure complete contact with supporting surface.

2. INSTALLATION

(a) ***Installation Rules***

Limitations placed on the physical installation of B Station Wire and associated apparatus require strict adherence to the following rules.

(1) Wire run should not exceed 100 feet for single line installations, and 60 feet for installations involving two talking circuits.

(2) Temperature of wire and mounting surface ***must*** be above 45 degrees fahrenheit before installation.

(b) ***Recommended Mounting Surfaces***

- Painted plaster
- Plasterboard (dry wall, sheet rock, and gypsum board)
- Hardboard (masonite)
- Wood (without wax)
- Metal (without wax)
- Tile (Asphalt, vinyl, rubber, and ceramic; without wax)
- Concrete (smooth, trowled, and sealed)

(c) ***Mounting Surfaces Not Recommended***

- Damp, dirty, or greasy surfaces
- Flaking paint or poorly adhering point
- Raw plastered walls
- Coarse surfaces (raw cinder block or untreated, rough trowled concrete, etc)

(e) ***Straight Wire Run***

Apply adhesive side of wire to mounting surface and press firmly.

Continue to dispense wire, applying hand roller (Fig. 4) to adhere wire to mounting surface. Finger pressure is insufficient.

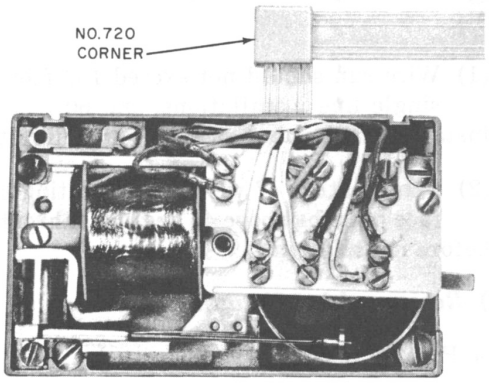


Fig. 2 — Terminating B Station Wire in E-Type Ringer

Fig. 3 — Folded Wire in Apparatus

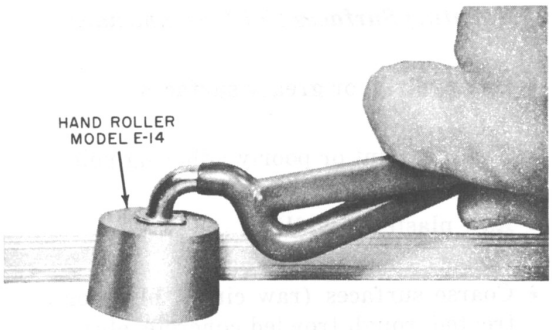


Fig. 4 — Applying Roller to Wire Run

(f) *90-Degree Turn in Wire*

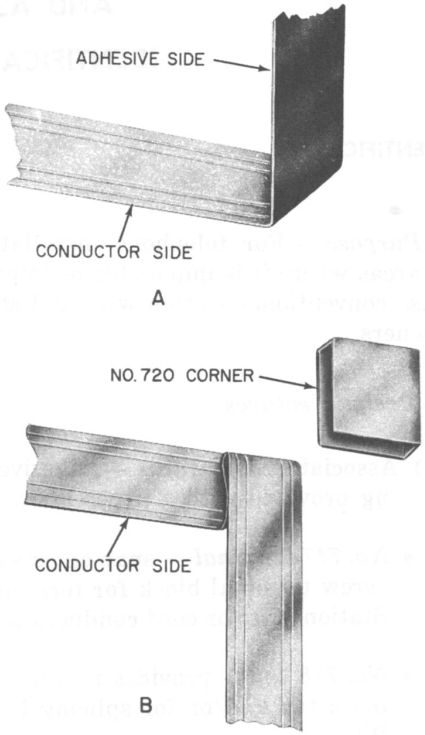


Fig. 5 — 90-Degree Turn in B Station Wire

(g) *Installing No. 717 Terminal*

Select desired location, remove paper liner from back of terminal base (Fig. 6), and press base firmly against mounting surface.

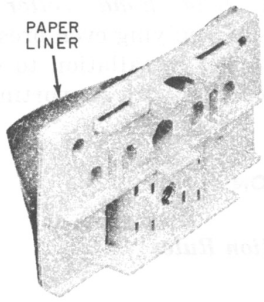


Fig. 6 — Base of No. 717 Terminal

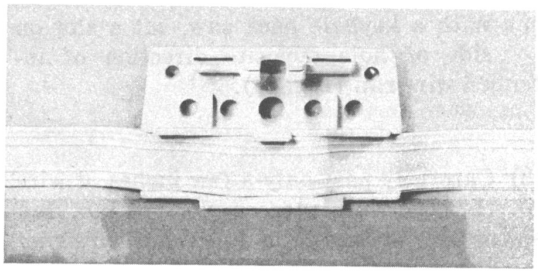


Fig. 7 — Wire in Channel on Base of No. 717 Terminal

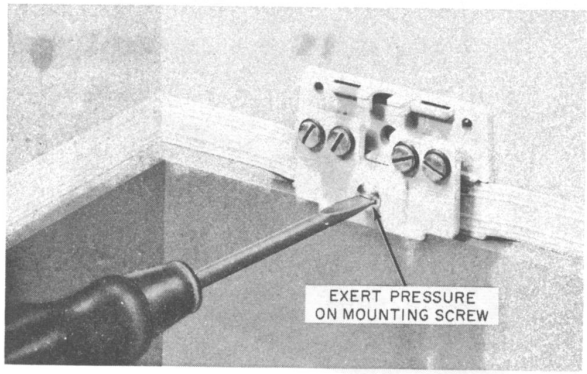


Fig. 8 — Mounting Terminal Block on Base of No. 717 Terminal

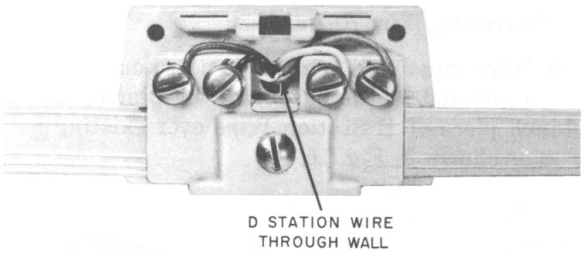
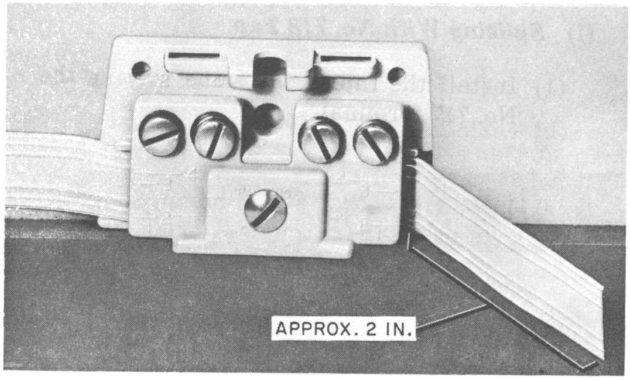
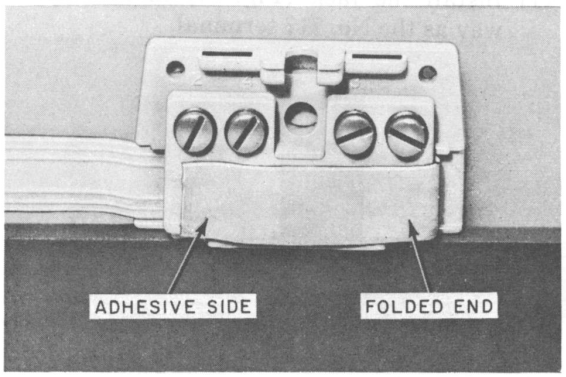


Fig. 9 — Terminating Wire on No. 717 Terminal



A



B

Fig. 10 — Wire Ending in No. 717 Terminal

(h) *Splicing With No. 721 Transition*

Select location and press adhesive side of transition to mounting surface.

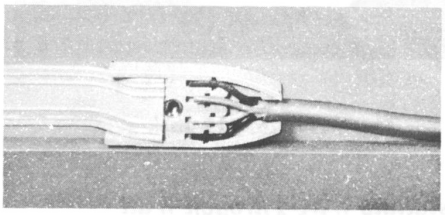


Fig. 11 — Terminating Wire in No. 721 Transition

(i) *Splicing With No. 718 Tap*

(1) Install the tap in the same way as the No. 717 terminal.

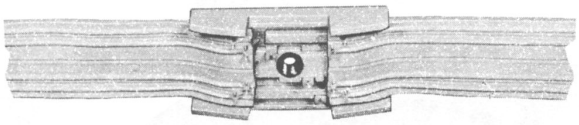


Fig. 12 — Wire Splice Using No. 718 Tap

(j) *Terminating in No. 719 Jack*

(1) Install the jack (Fig. 14) in the same way as the No. 717 terminal.

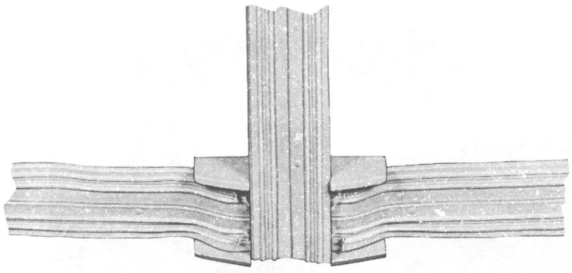


Fig. 13 — Wire Tap Using No. 718 Tap

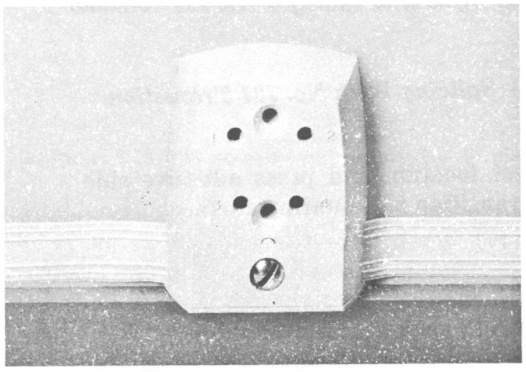


Fig. 14 — No. 719 Jack

(k) *Installing Wire Through Wall*

(1) Drill 1/4- or 3/8-inch hole through wall at desired location.

(2) With a keyhole hack saw, cut a slot on side of hole opposite direction of intended wire run (Fig. 15).

(3) Carefully pass only a few inches of wire through wall, place a No. 718 tap, and splice wire at this point to extend wire run.

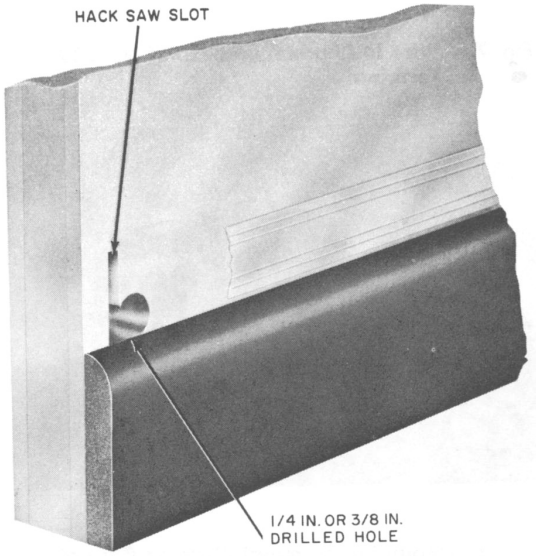


Fig. 15 — Hole Through Wall for B Station Wire

(l) *Protecting Wire Run*

(1) Wire runs laid across floors should be protected at the baseboard by placing a 6-inch piece of B Station Wire over existing run as shown in Fig. 16.

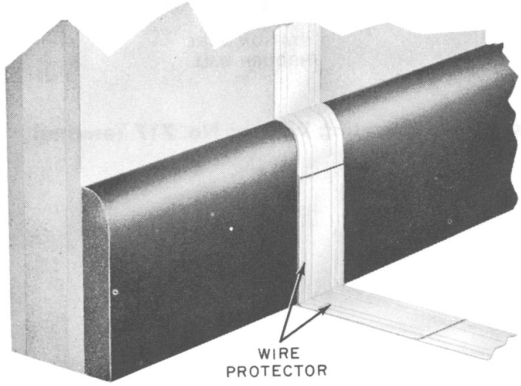


Fig. 16 — B Station Wire Protecting Wire Run