

TYPE 86 KEY TELEPHONE

GENERAL

The Type 86 key telephone is furnished factory wired for use with the A. E. Co. Types 10A1, 10A2, and 16A (W. E. Co. Types 1A1, 1A2, and 6A) key systems; and, is supplied in one of three key set combinations:

- (1) 3 pickup (P) keys, and 3 convertible pickup (Ps) keys (Figures 1 and 2).
- (2) 1 hold (H) key, 2 pickup (P) keys, and 3 convertible pickup (Ps) keys (Figures 3 and 4).
- (3) 1 hold (H) key, 3 pickup (P) keys, 1 convertible pickup (Ps) key, and 1 cut-off (C) key (Figures 5 and 6).

MODIFICATIONS

Refer to Technical Bulletin 473-917 for instructions necessary to perform the following modifications to the telephone:

- (1) Conversion of convertible pickup keys to signaling keys.
- (2) Modification for adaption to A. E. Co. Type 10A (W. E. Co. Type 1A) key system.
- (3) Incorporation of station busy feature.

INSTALLATION

Plug Terminated Line Cord

If the line cord is terminated with a plug, place the telephone on a desk or table and insert the telephone line cord 50-terminal terminal plug into the receptacle of a running

cable or into the receptacle of an adapter. Stamp the dial number card and the key designation strip.

Junction Box Terminated Line Cord

If the telephone line cord is prewired to an A. E. Co. junction box, remove the junction box cover and mount the junction box on the wall or the back of the desk with the long dimension vertical. Lead the control equipment cable to either the top or the bottom of the junction box; connect the control equipment cable to the junction box as shown in the schematic diagram for the associated key arrangement (Figures 1, 3, or 5). Secure the cable in place with cableclamps furnished with the junction box. Replace the junction box cover and stamp dial number card and designation strip.

Spade-Lug Terminated Line Cord (For Type 44A Connecting Blocks)

If Type 44A connecting blocks are used, mount the backboard (without cover or blocks) on the wall or desk with the long dimension vertical. Fasten the connecting blocks to the backboard. Lead the line cord (from the telephone) to the bottom of the backboard and the cable (from the control equipment) to the top of the backboard. Connect the line cord and the cable as shown in the schematic diagram for the associated key arrangement (Figures 1, 3, or 5). Fasten the cable and the line cord to the top and the bottom connecting block, respectively, for strain relief. Fasten cover to the backboard and stamp dial number card and designation strip.

After the installation has been completed, make test calls testing the various functions of the telephone.

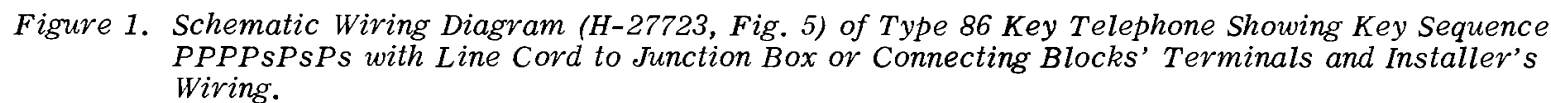
Copyright © 1965 Automatic Electric Company

AUTOMATIC ELECTRIC
SUBSIDIARY OF
GENERAL TELEPHONE & ELECTRONICS

GTE

TCI Library www.telephonecollectors.info

SA-917
ISSUE 2



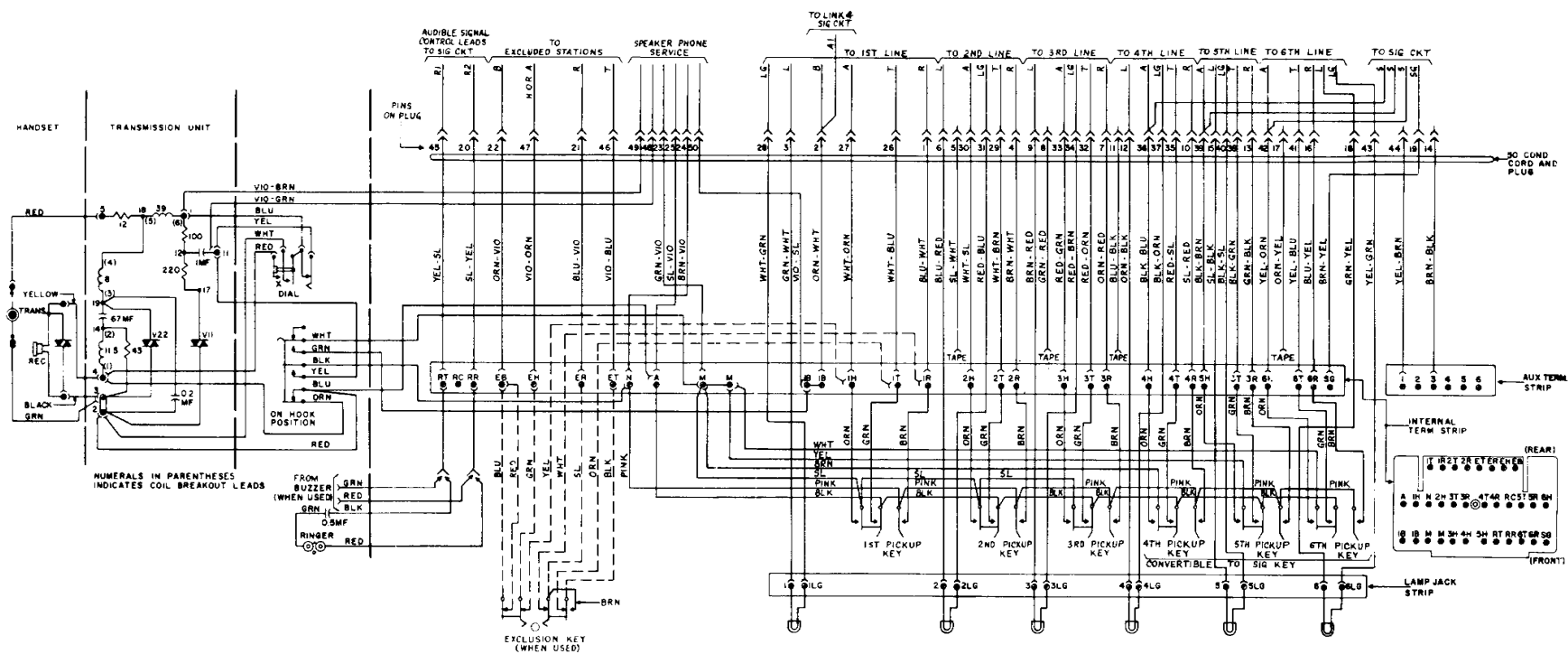


Figure 2. Schematic Wiring Diagram (H-27743, Fig. 3) of Type 86 Key Telephone with 50-Conductor Line Cord and Plug, Showing Key Sequence PPPSPsPs.

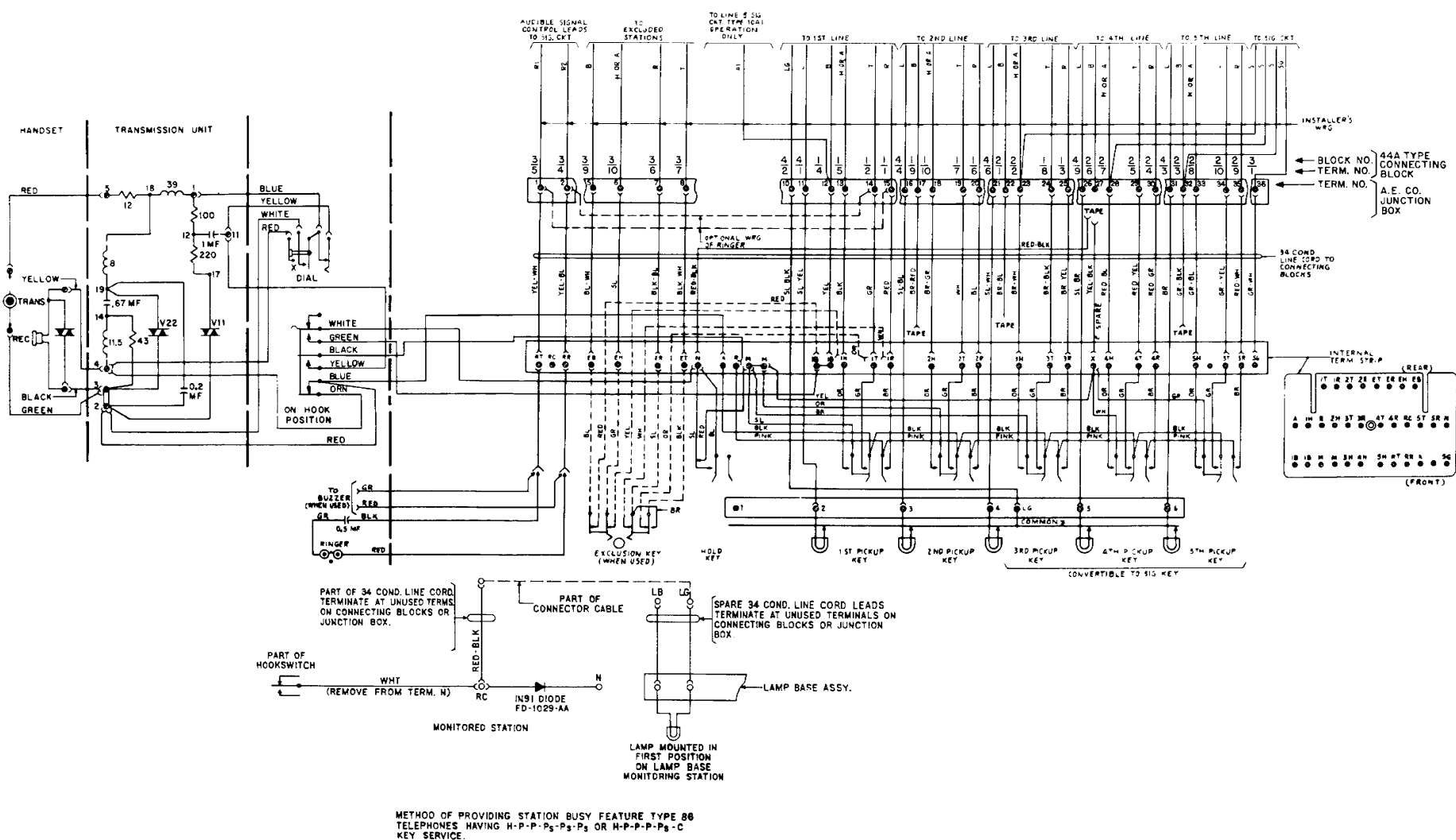
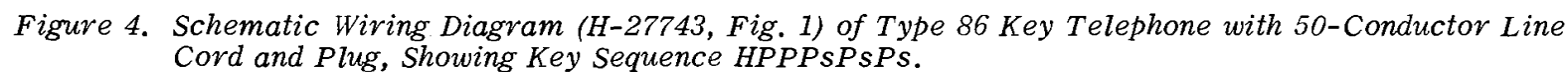


Figure 3. Schematic Wiring Diagram (H-27723, Fig. 3) of Type 86 Key Telephone Showing Key Sequence HPPPsPsPs with Line Cord to Junction Box or Connecting Blocks' Terminals and Installer's Wiring.



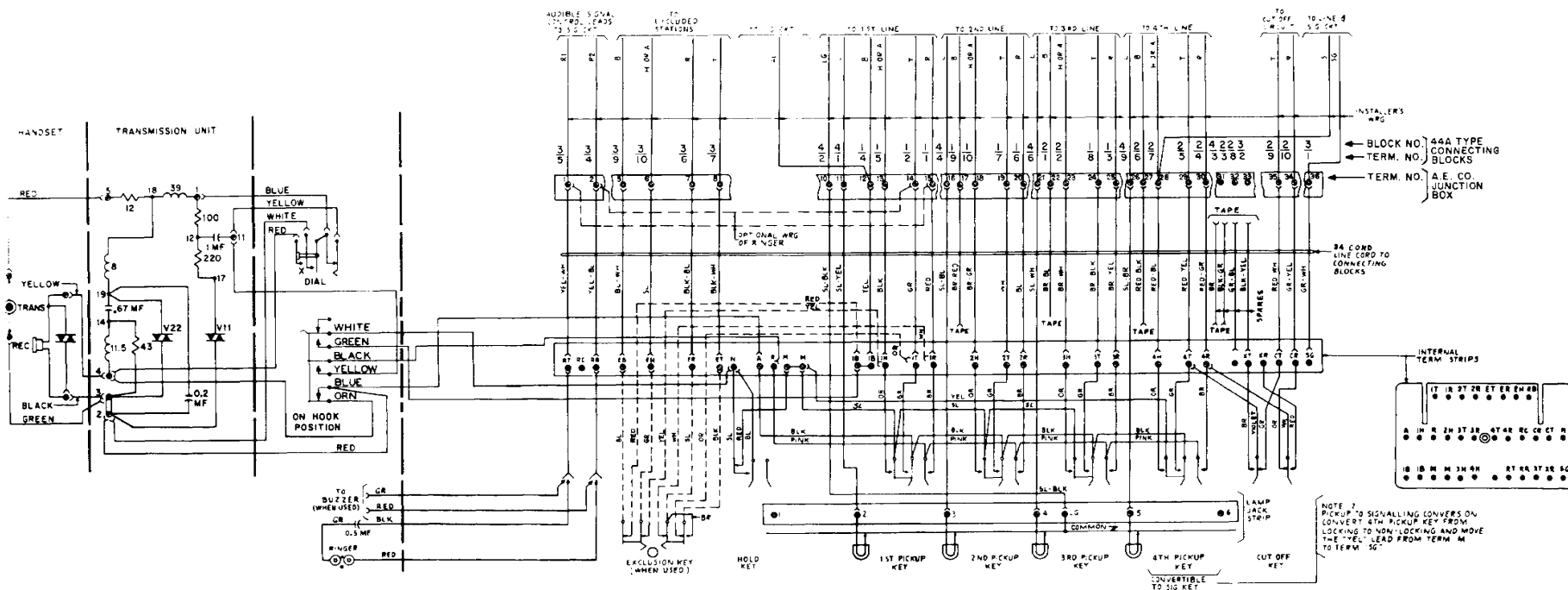


Figure 5. Schematic Wiring Diagram (H-27723, Fig. 4) of Type 86 Key Telephone Showing Key Sequence HPPPPsC with Line Cord to Junction Box or Connecting Blocks' Terminals and Installer's Wiring.

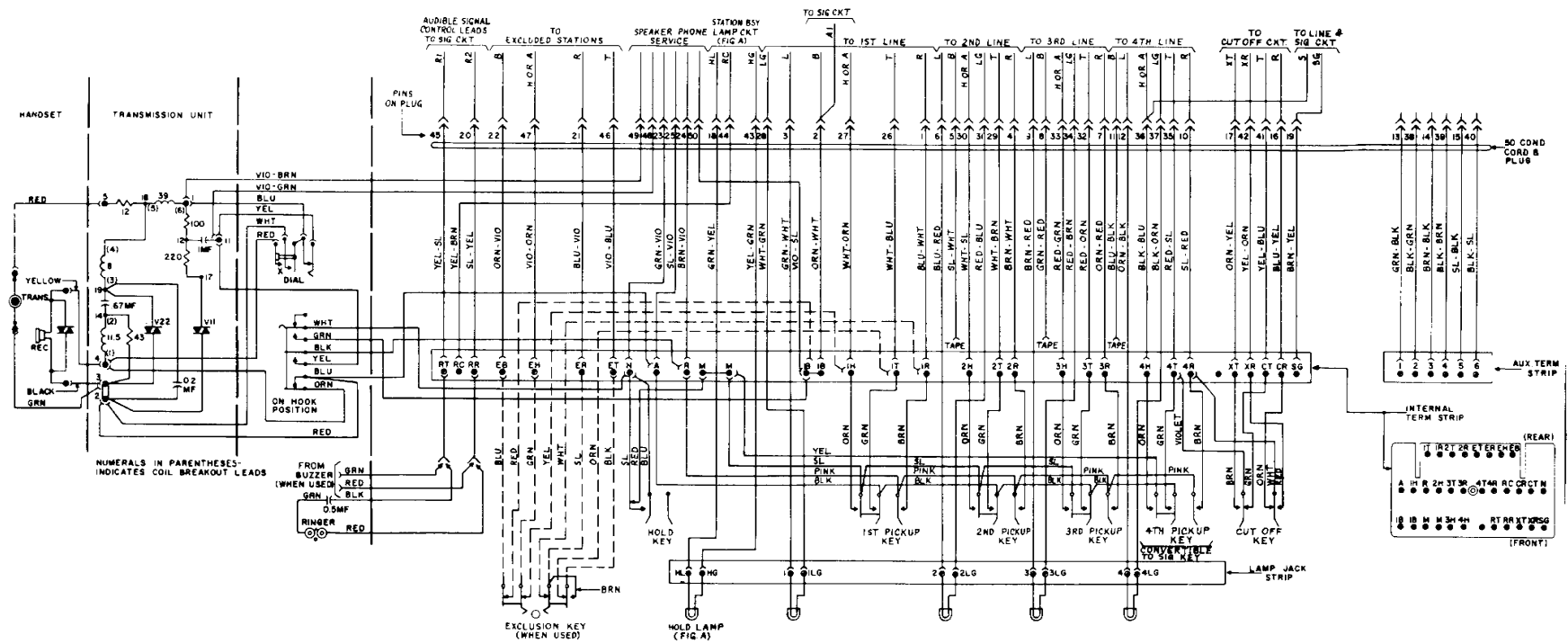


Figure 6. Schematic Wiring Diagram (H-27743, Fig. 2) of Type 86 Key Telephone with 50-Conductor Line Cord and Plug, Showing Key Sequence HPPPPsC.

