

## TELEPHONE SETS

### USED WITH 750A AND 755A DIAL PBX — CONNECTIONS

#### 1.00 GENERAL

1.01 This section covers the connection diagrams of:

- 462AC, 466AC, and 566FB telephone sets used with the 755A dial PBX (see Fig. 1, 3, 4, and 5).
- 566MB telephone set used with 750A and 755A dial PBX (see Fig. 2, 6, and 7).
- 6040D illuminated button key associated with a 502B or equivalent telephone set used with 755A dial PBX (see Fig. 8).

1.02 Due to extensive changes marginal arrows have been omitted.

1.03 The connection diagram (Fig. 7) has been provided to show how a 566MB telephone set can be modified to work with a 750A dial PBX.

The need for this may arise from:

- Plant rearrangements placing PBX in transmission zone 5.
- Customers desiring colored telephone sets, speakerphone service, or illuminated key buttons.

#### 2.00 CONNECTIONS

2.01 The ringing bridge is high impedance with limitations as shown in Table A.

**TABLE A**  
**RINGER LIMITATIONS**

|  | Station       | Maximum Ringers |
|--|---------------|-----------------|
|  | Conference    | 2               |
|  | Nonconference | 4               |



**Fig. 1 — 462AC Telephone Set**  
(Nonilluminated)



**Fig. 2 — 566MB Telephone Set**  
(Illuminated)

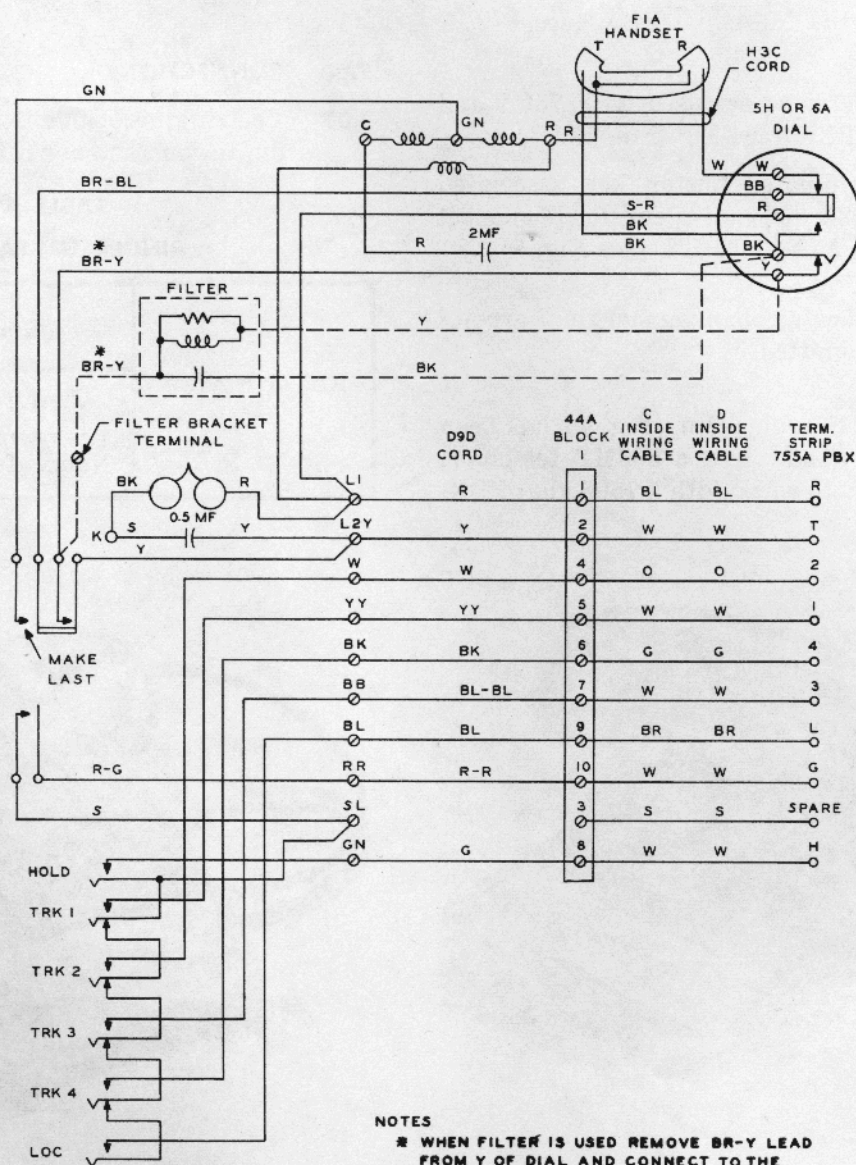
**2.02** The cord conductors within the set shall be arranged to avoid interference with moving parts.

**2.03** The 566MB telephone set used with the 750A dial PBX (Fig. 7) must be modified in the field by moving the:

- S-G lead from terminal M to terminal L2.
- O-BK lead from terminal L1 to terminal L2.

**2.04** A KS-16543 resistor (294 ohm) must be connected as shown in Fig. 7 to ensure operation of the marginal relay in the holding circuit of the 750A dial PBX.

**2.05** Connections of the 6040D key are shown in Fig. 8. Where a mounting cord is not required, the cable is brought directly into the key. Dotted lines indicate connections to be made when the cord is not used.



**Fig. 3 - 462AC Telephone Set (Nonilluminated) Connection Diagram**

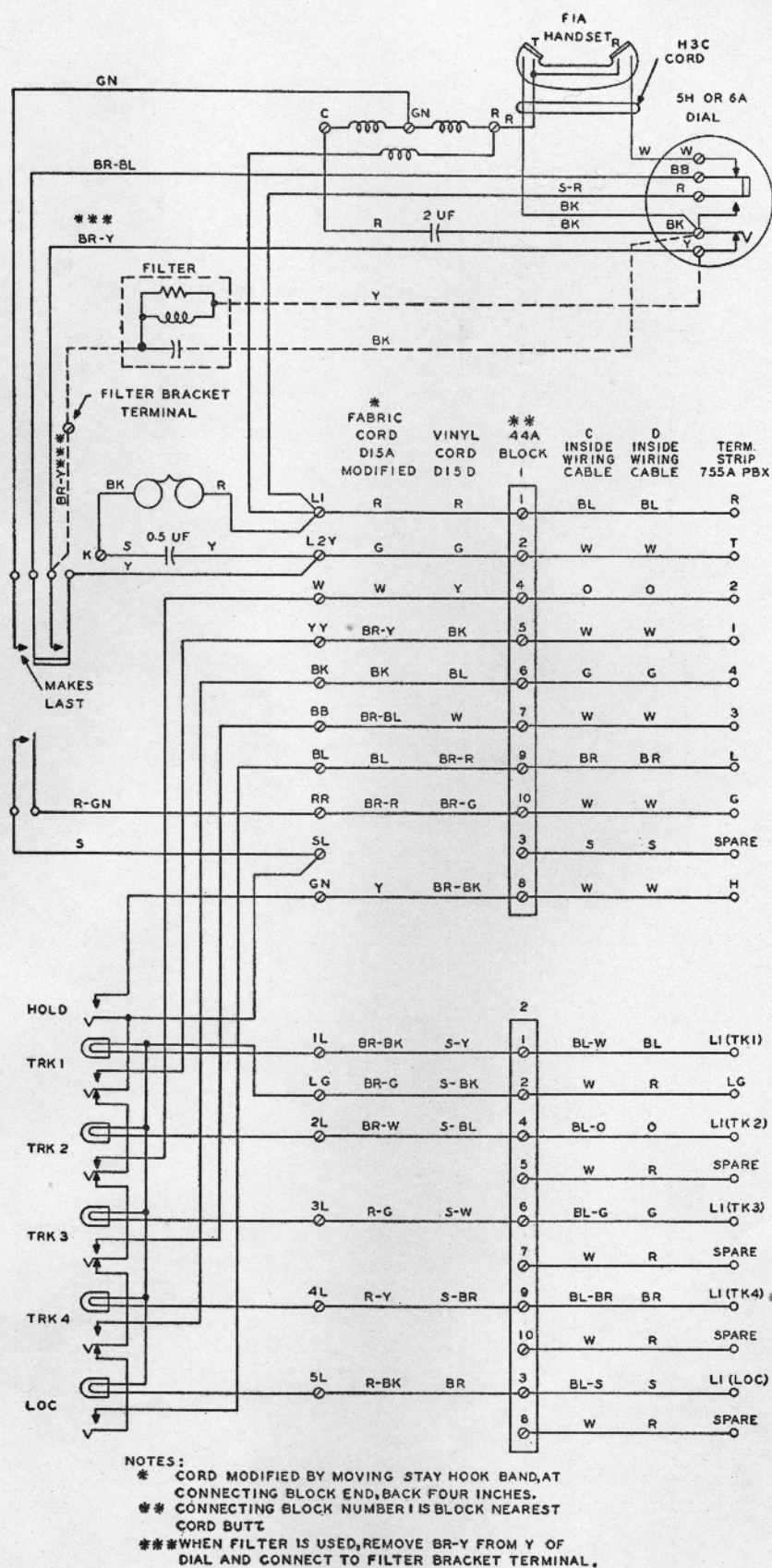


Fig. 4 - 466AC Telephone Set (Illuminated) Connection Diagram

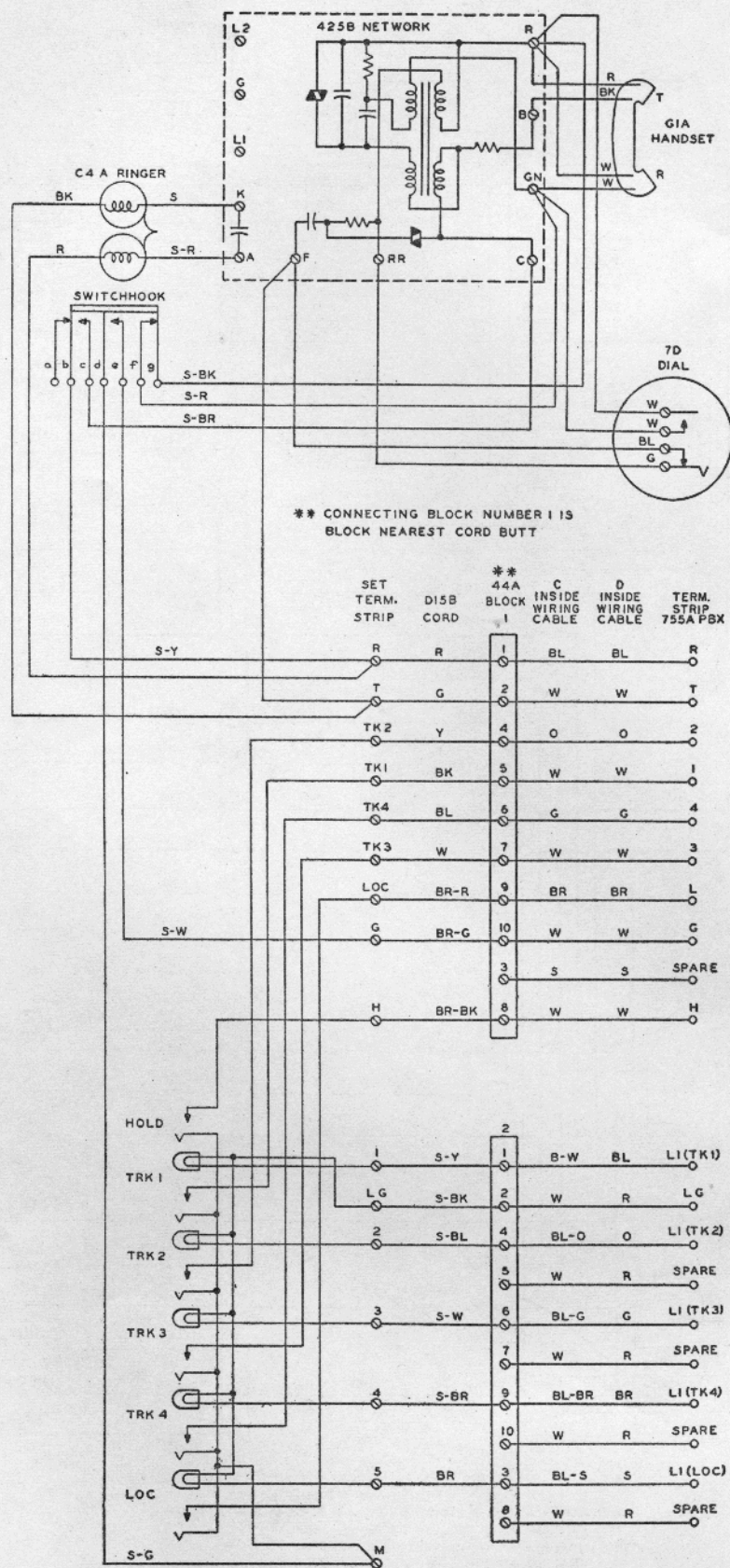
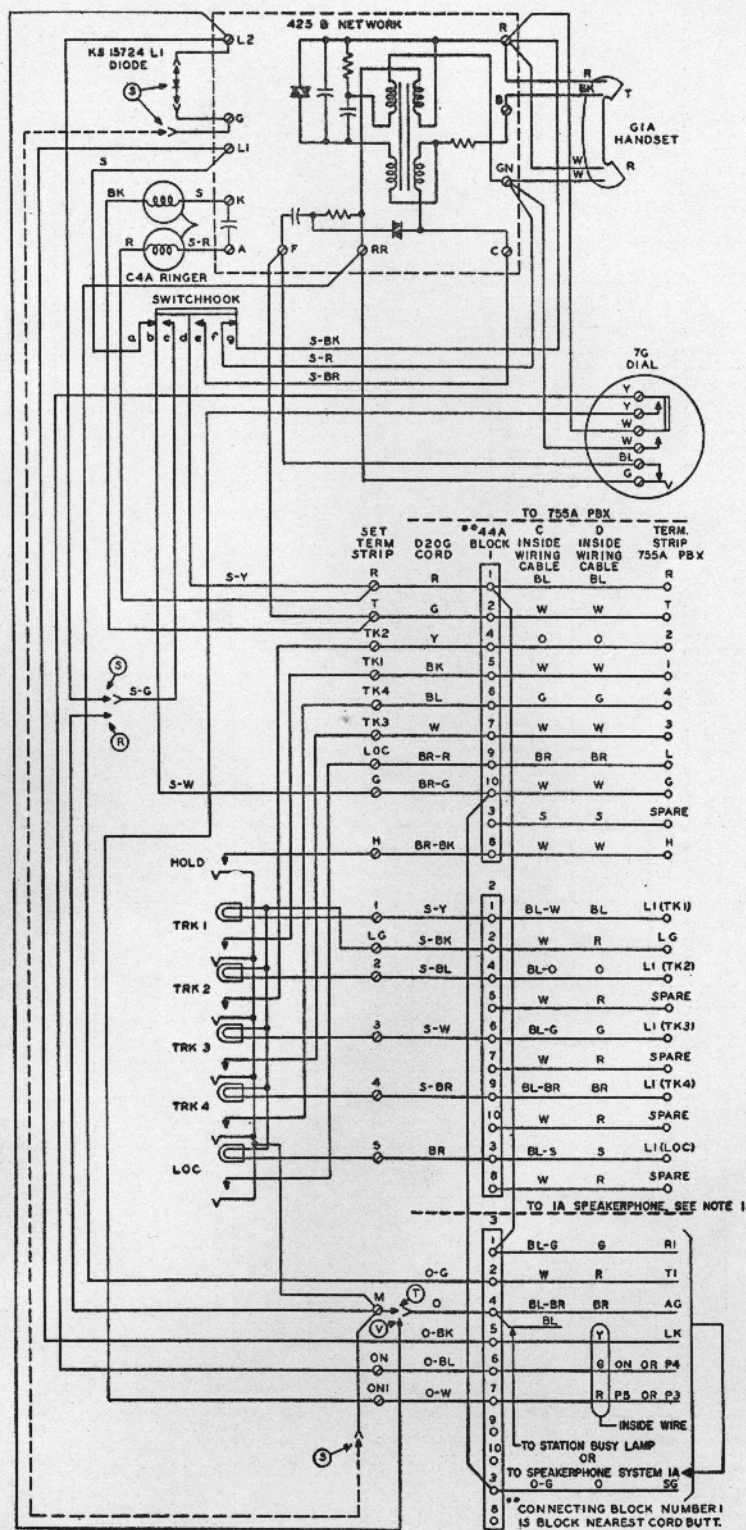


Fig. 5 - 566FB Telephone Set (Illuminated) Connection Diagram



**Fig. 6 — 566MB Telephone Set (Illuminated) Connection Diagram  
Used with 755A Dial PBX**

## NOTES:

1. USE "R" WIRING WHEN BUSY LAMPS ARE NOT REQUIRED.
2. USE "S" WIRING WHEN SPEAKER-PHONE IS REQUIRED OR WHEN BUSY LAMPS ARE REQUIRED, OR BOTH.
3. DIAGRAM SHOWS MODIFICATION ALREADY MADE.  
A- "S-G" LEAD MOVED FROM TERMINAL STRIP TERMINAL "M" TO TERMINAL "L2" OF 425B NETWORK.

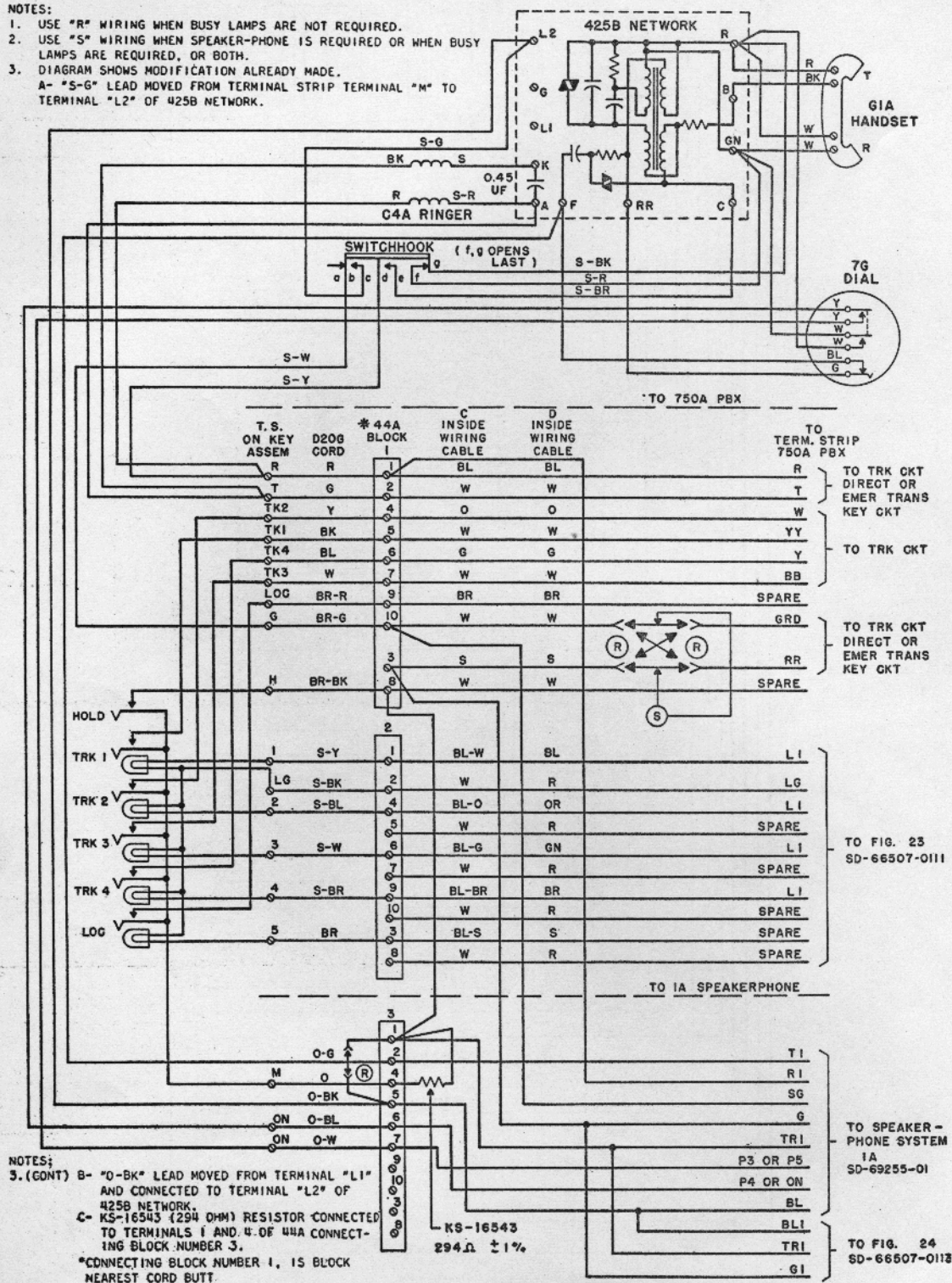
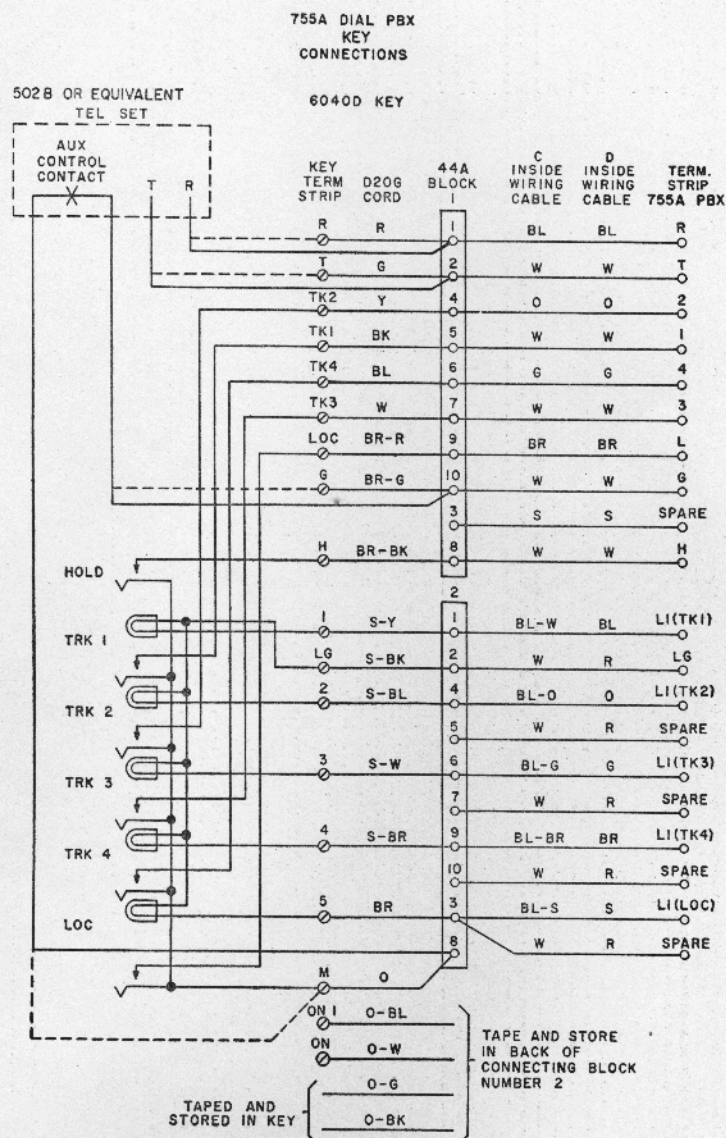


Fig. 7 - 566MB Telephone Set (Illuminated) Connection Diagram  
Used with 750A Dial PBX



NOTE: DOTTED WIRING INDICATES TELEPHONE SET CONNECTIONS WHEN CORD IS NOT USED TO CONNECT KEY TO KEY CABLE

**Fig. 8 — 6040D Key (Illuminated) Connection Diagram**