

## TELEPHONE SETS

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

#### 1.00 GENERAL

##### 1.01 This section is reissued to:

- Delete reference to 1A speakerphone and show connections to 3A speakerphone.
- Move modifications of the 566MB telephone set when used with 750A dial PBX from 2.03 to Fig. 7.
- Make minor wiring changes in all the figures.

##### 1.02 This section covers the connection diagrams of:

- 462AC, 466AC, and 566FB telephone sets used with 755A dial PBX (Fig. 3, 4, and 5).

- 566MB telephone set used with 750A and 755A dial PBXs (Fig. 6 and 7).

- 6040D illuminated button key associated with a 502B or equivalent telephone set used with 755A dial PBX (Fig. 8).

##### 1.03 Due to extensive changes marginal arrows have been omitted.

##### 1.04 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 color telephone sets, speakerphone service, or illuminated key buttons.



Fig. 1 — 462AC Telephone Set  
(Nonilluminated)



Fig. 2 — 566MB Telephone Set  
(Illuminated)

## 2.00 CONNECTIONS

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

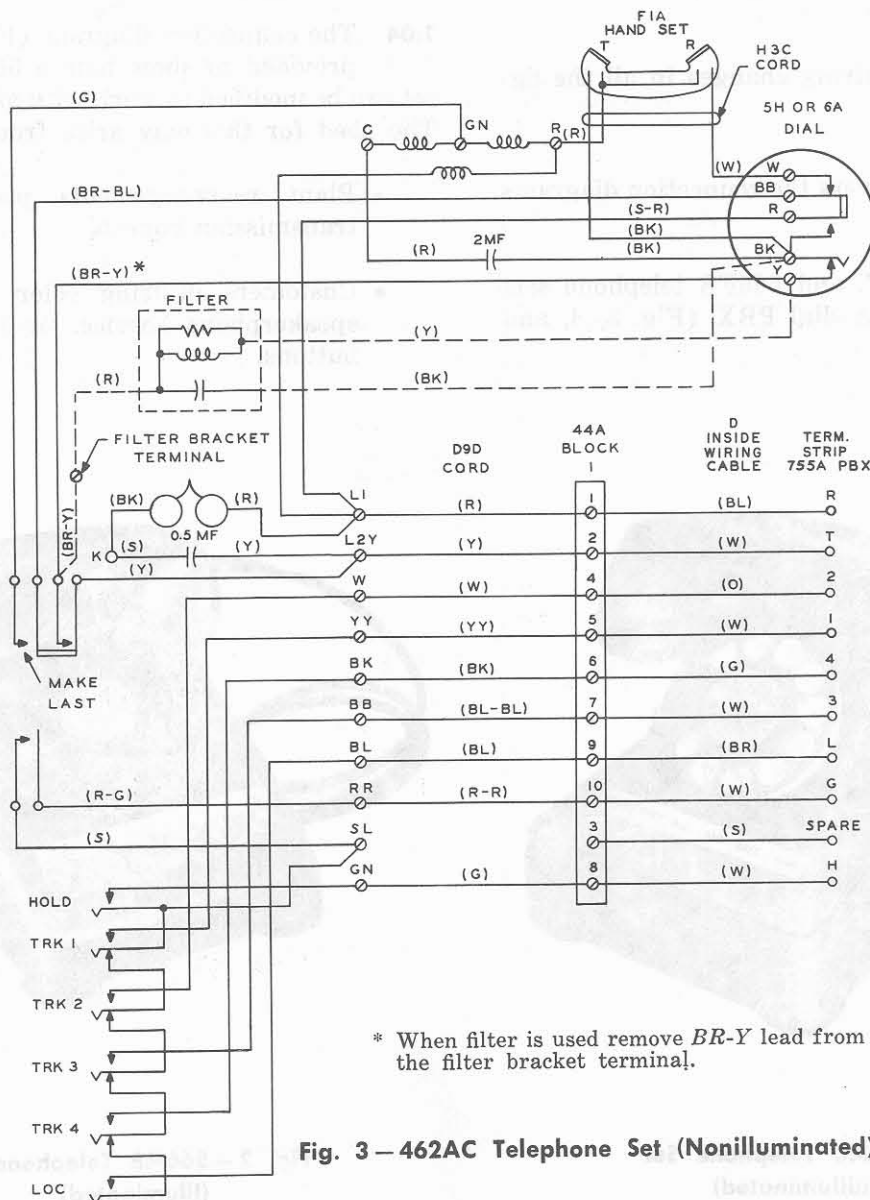
**TABLE A**  
**RINGER LIMITATIONS**

Key or Keyless	Station	Maximum Ringers
	Conference	2
	Nonconference	4

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

2.03 A KS-14603, List 1C resistor (294 ohms) must be connected as shown in Fig. 7 to ensure operation of the marginal relay in the holding circuit of the 750A dial PBX.

2.04 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**

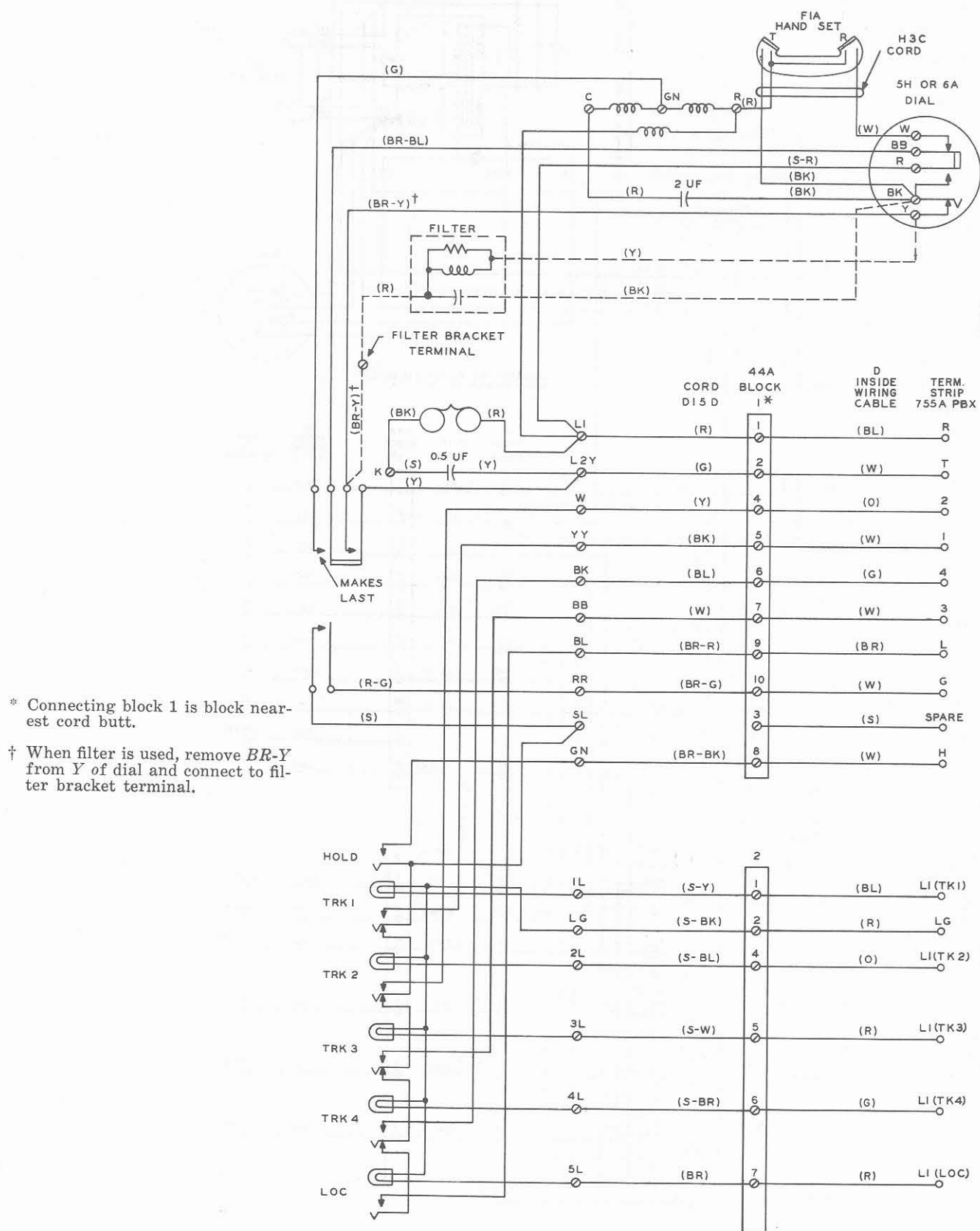


Fig. 4 - 466AC Telephone Set (Illuminated) Connection Diagram

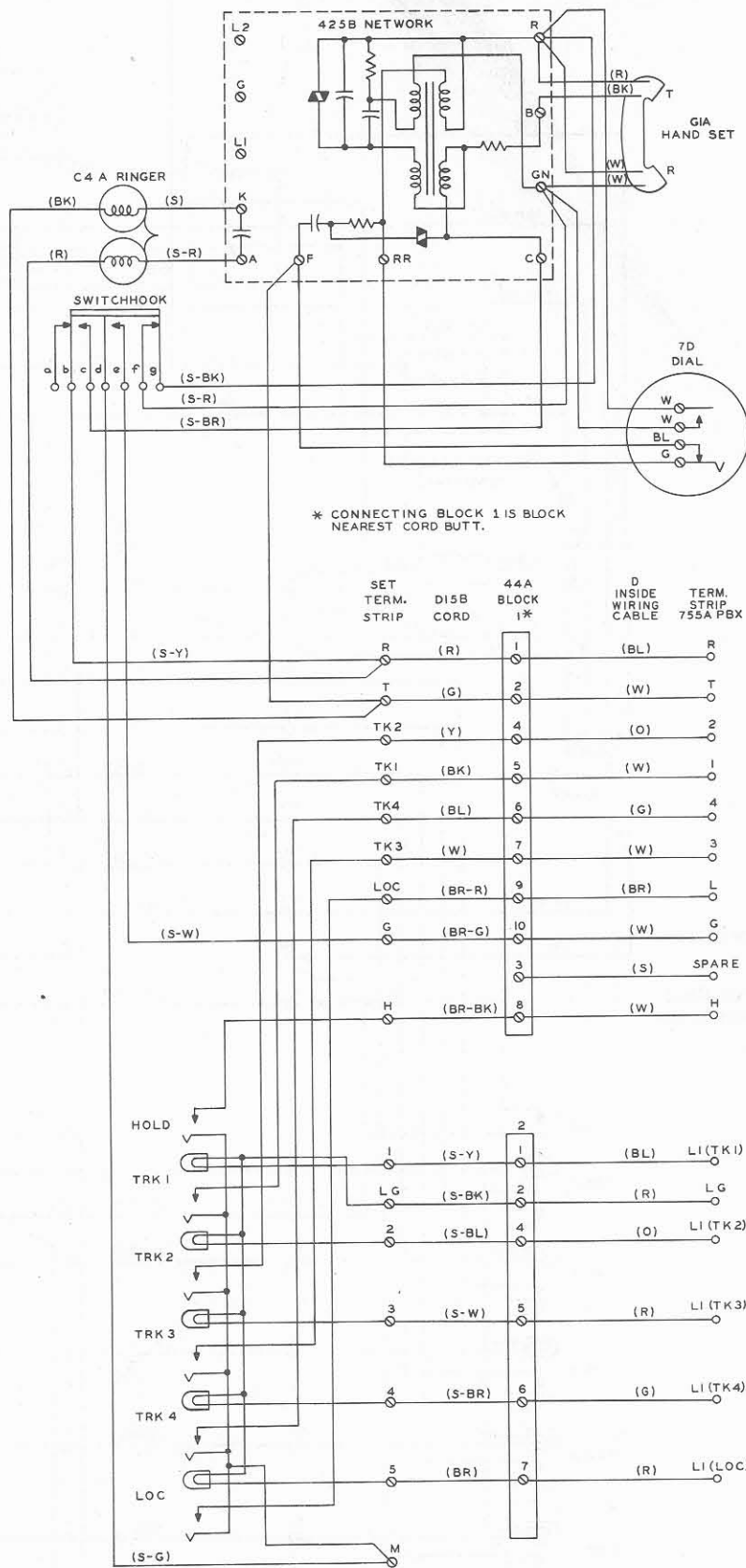
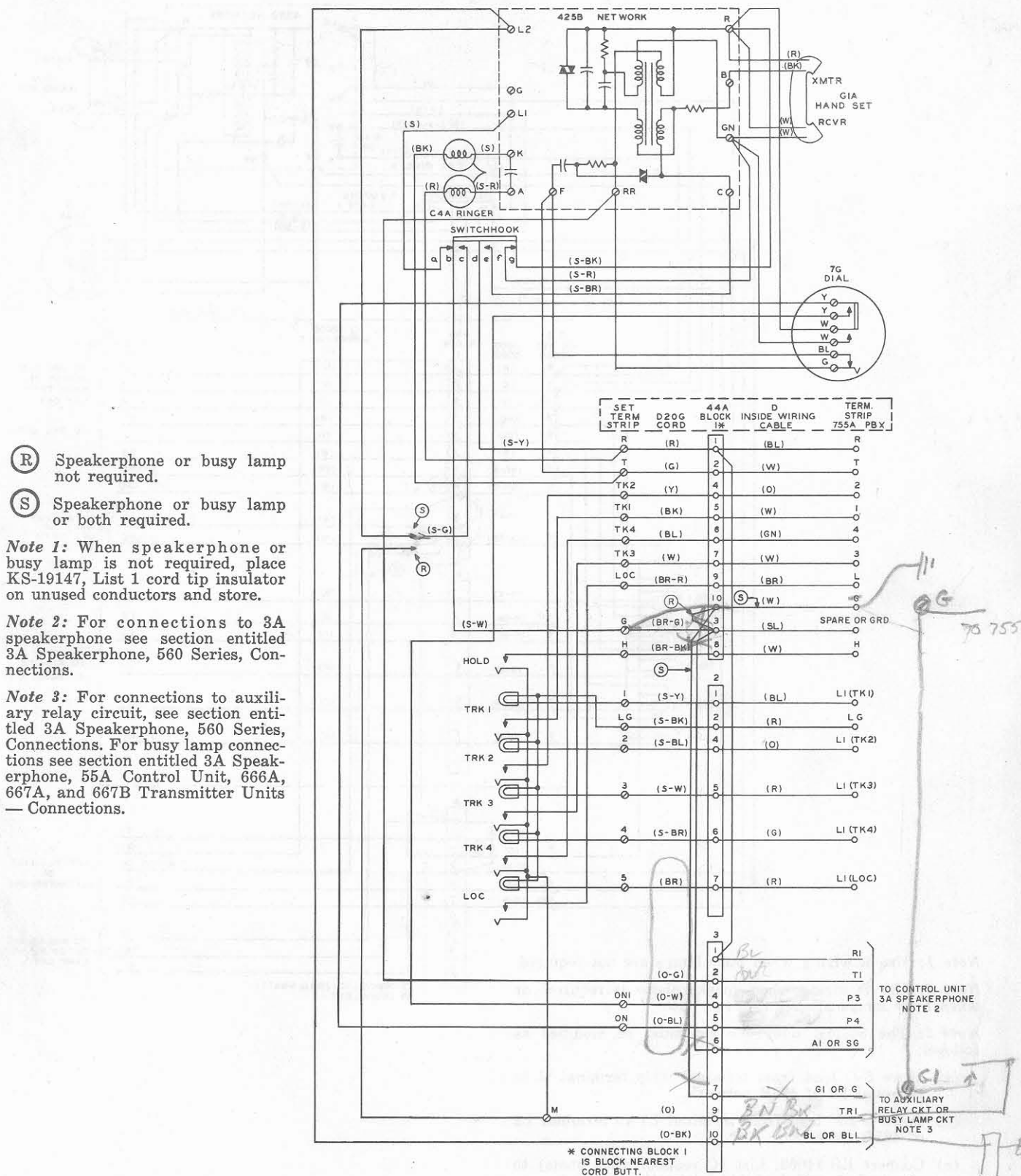
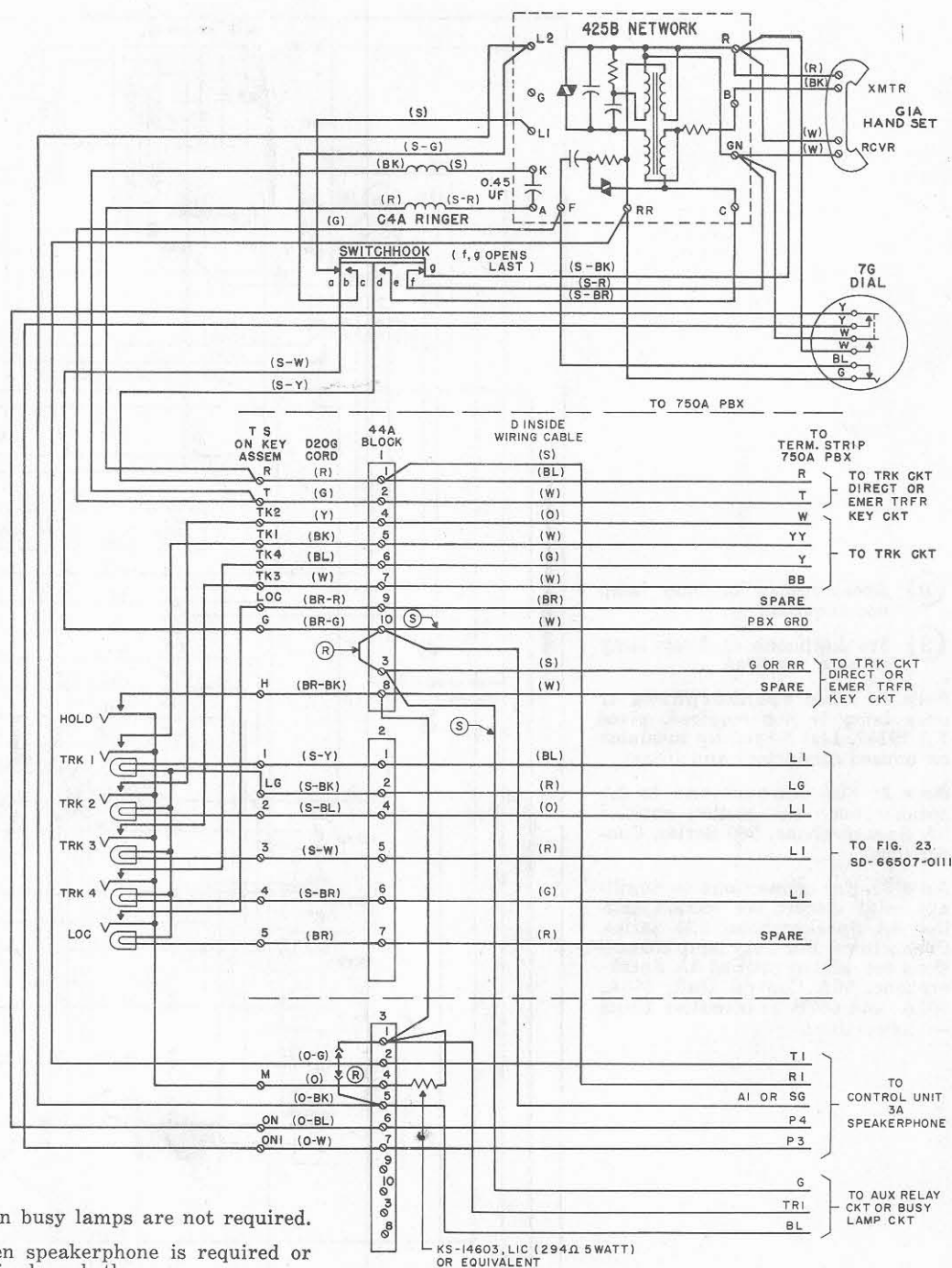


Fig. 5 - 566FB Telephone Set (Illuminated) Connection Diagram



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



**Note 1:** Use R wiring when busy lamps are not required.

**Note 2:** Use S wiring when speakerphone is required or when busy lamps are required, or both.

**Note 3:** The 566MB telephone set must be modified as follows:

- (a) Move *S-G* lead from terminal strip terminal M to terminal L2 of 425B network.
- (b) Move *O-BK* lead from terminal L1 to terminal L2 of 425B network.
- (c) Connect KS-14603, List 1C resistor (294 ohms) to terminals 1 and 4 of 44A connecting block 3.

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



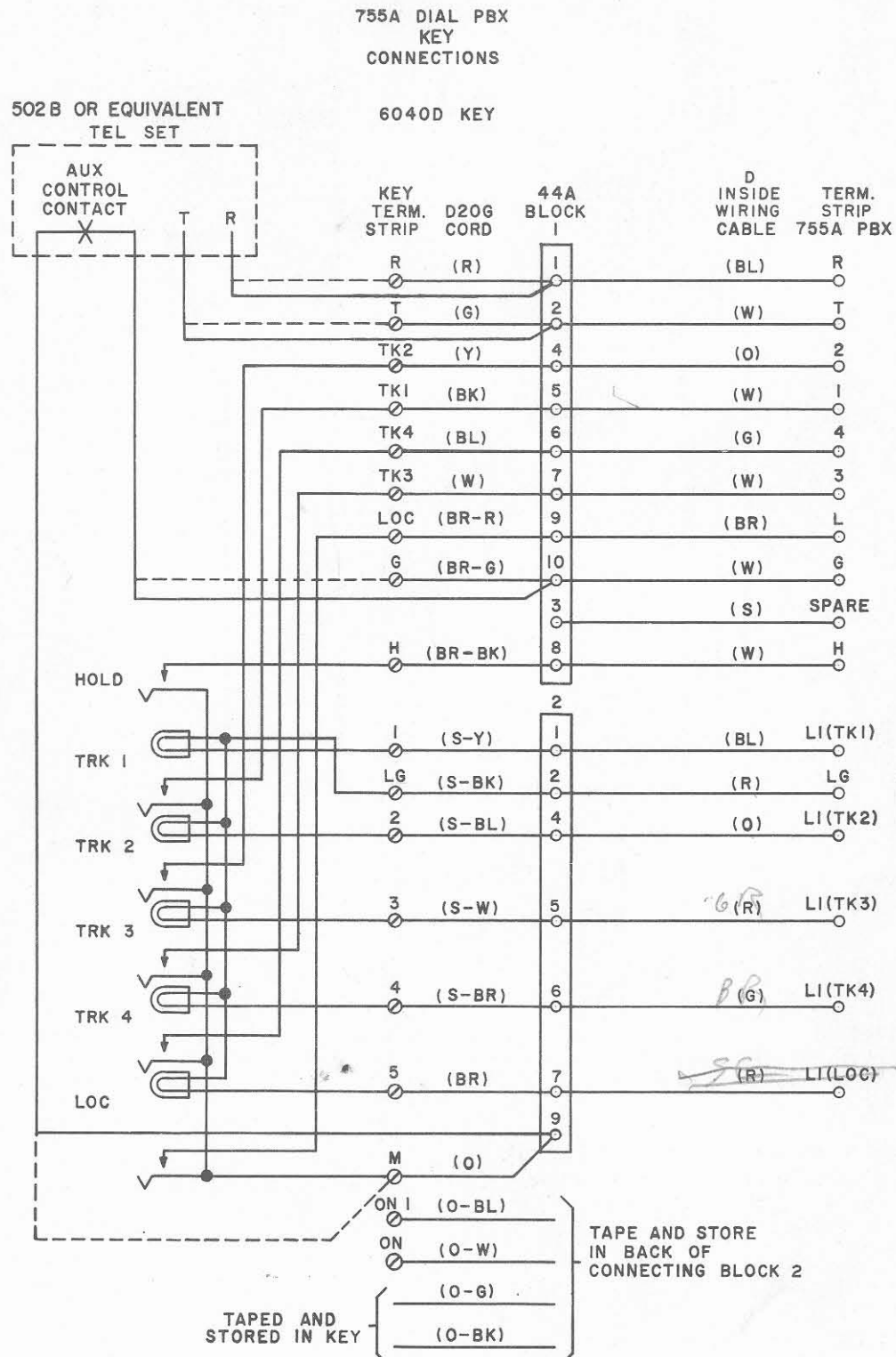


Fig. 8 — 6040D Key (Illuminated) Connection Diagram