

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.

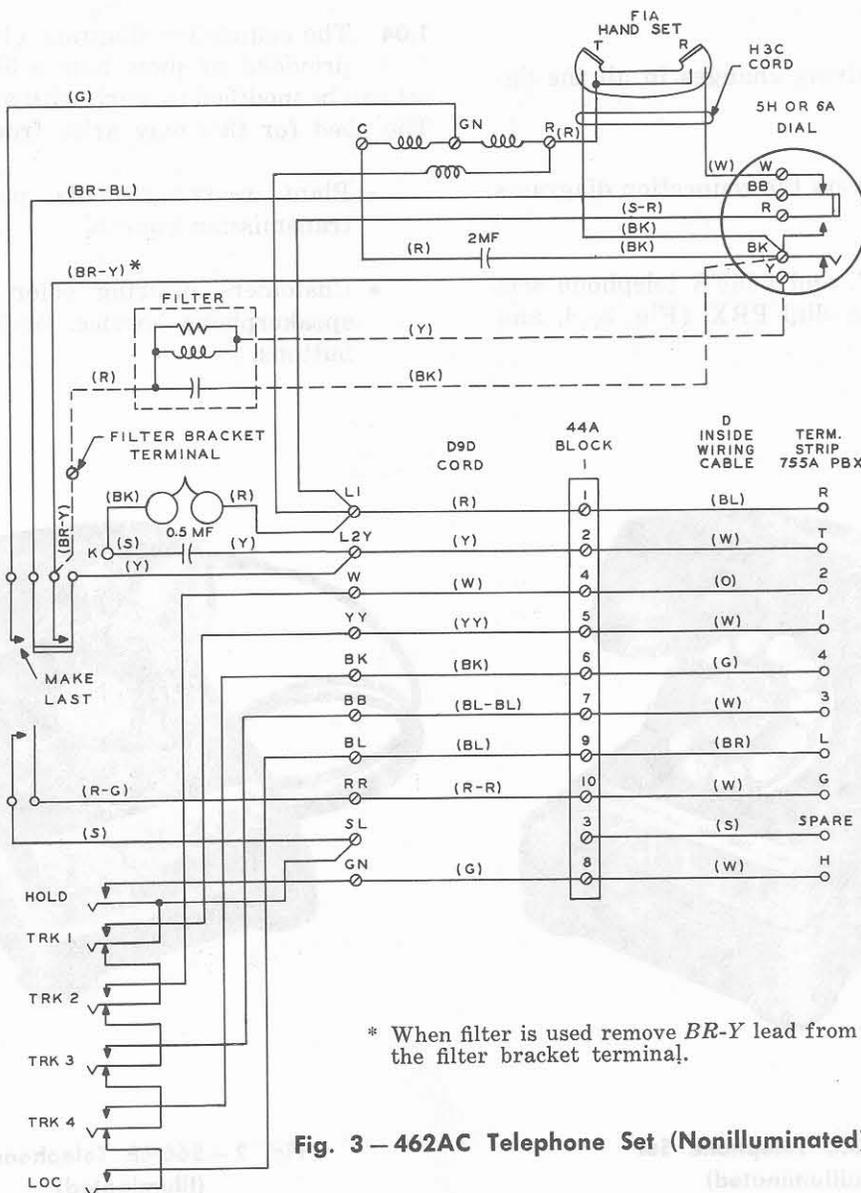
TABLE A
RINGER LIMITATIONS

| | Station | Maximum Ringers |
|----------------|---------------|-----------------|
| Key or Keyless | Conference | 2 |
| | Nonconference | 4 |

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

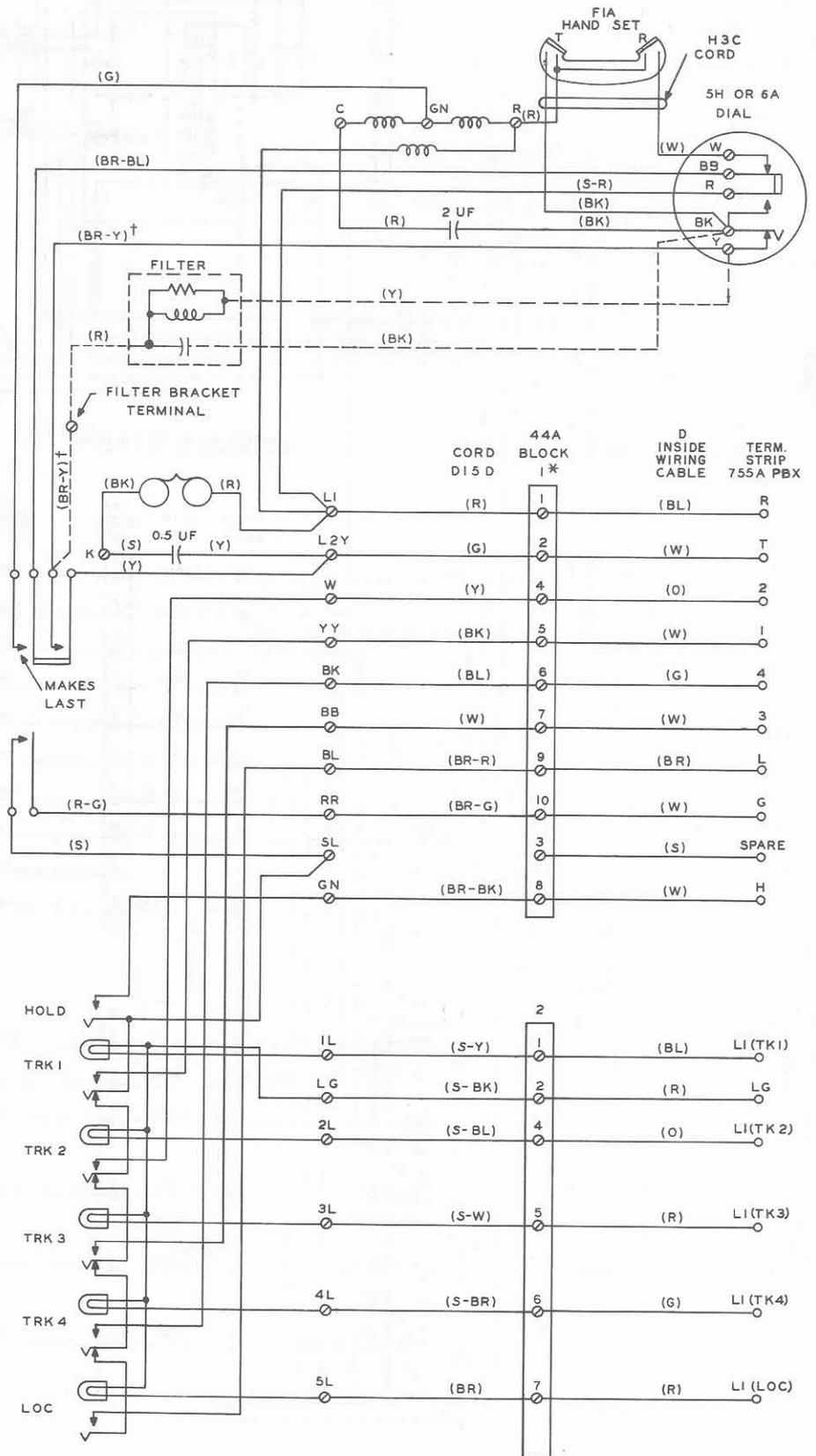
2.03 A KS-14603, List 1C resistor (294 ohms) must be connected as shown in Fig. 7 to ensure operation of the marginal relay in the holding circuit of the 750A dial PBX.

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.



* When filter is used remove BR-Y lead from Y of dial and connect to the filter bracket terminal.

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



* Connecting block 1 is block nearest cord butt.

† When filter is used, remove BR-Y from Y of dial and connect to filter bracket terminal.

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

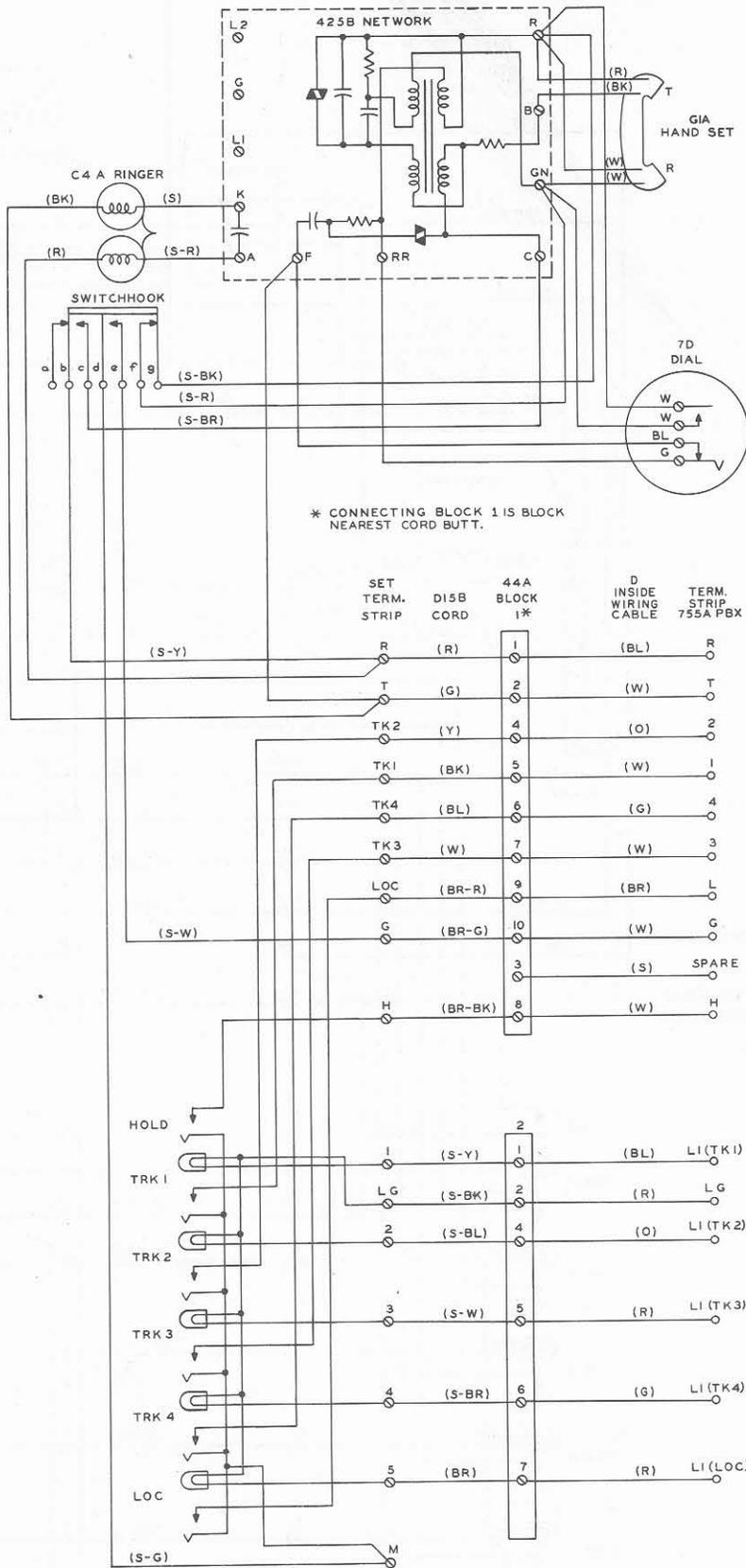


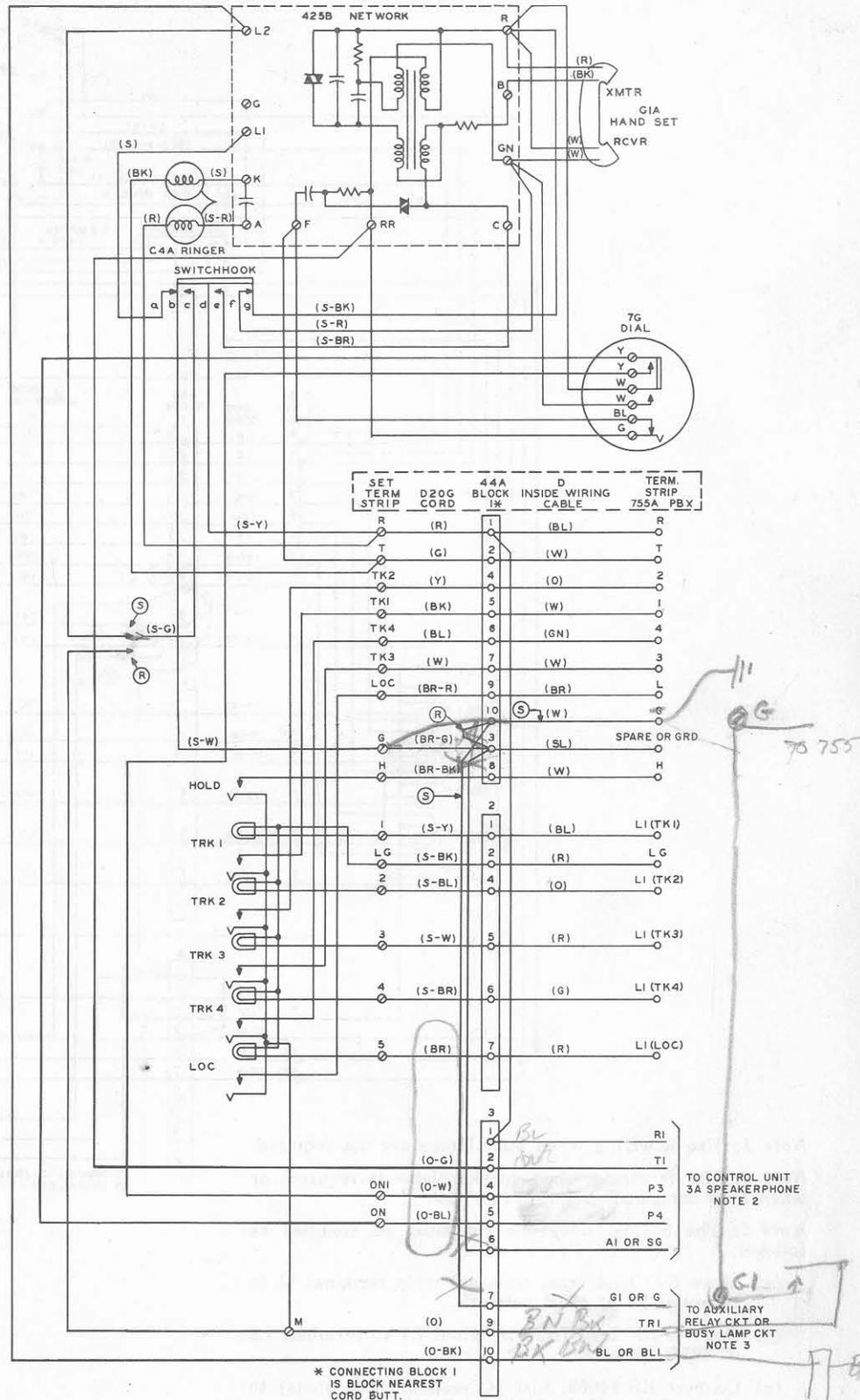
Fig. 5 — 566FB Telephone Set (Illuminated) Connection Diagram

- (R) Speakerphone or busy lamp not required.
- (S) Speakerphone or busy lamp or both required.

Note 1: When speakerphone or busy lamp is not required, place KS-19147, List 1 cord tip insulator on unused conductors and store.

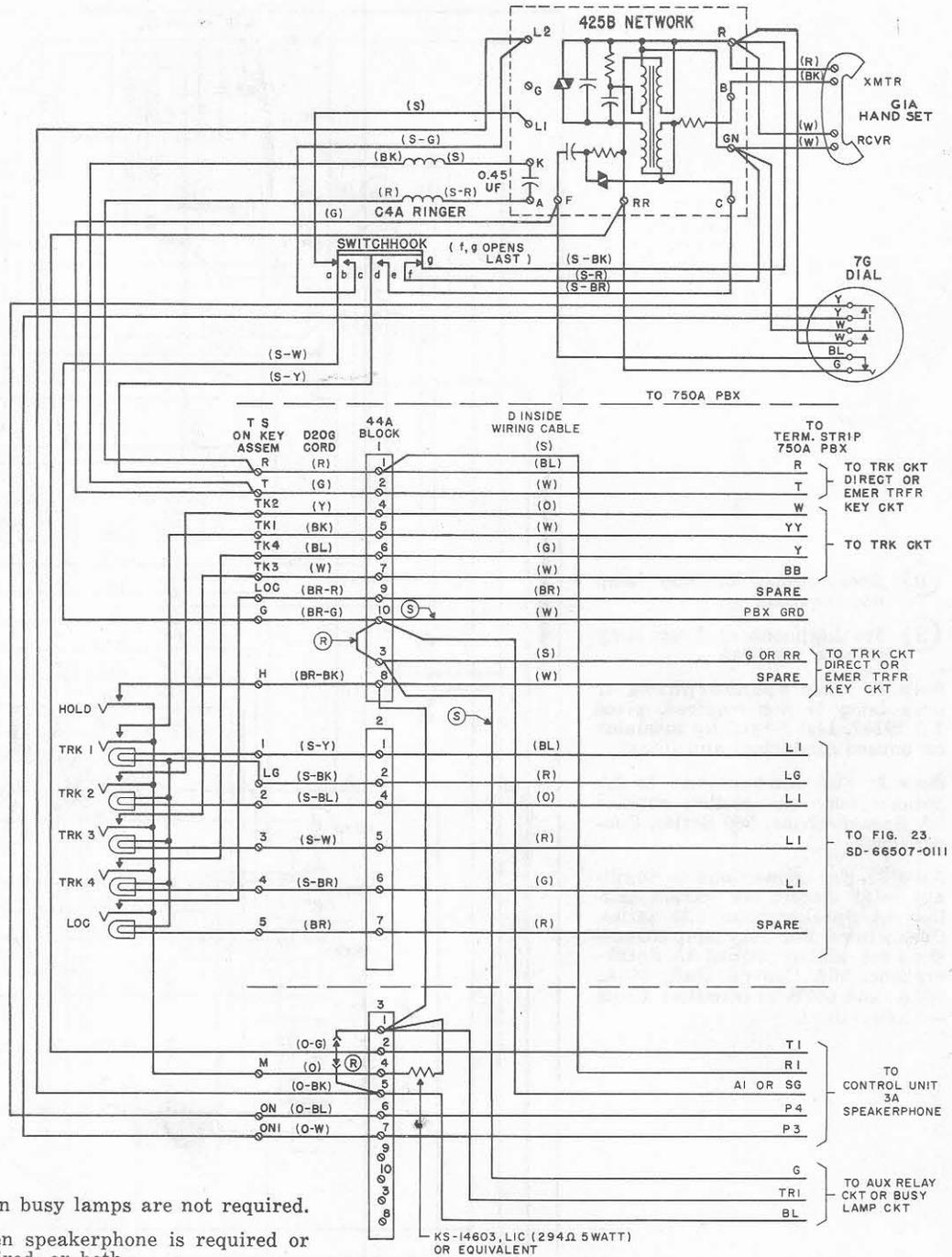
Note 2: For connections to 3A speakerphone see section entitled 3A Speakerphone, 560 Series, Connections.

Note 3: For connections to auxiliary relay circuit, see section entitled 3A Speakerphone, 560 Series, Connections. For busy lamp connections see section entitled 3A Speakerphone, 55A Control Unit, 666A, 667A, and 667B Transmitter Units — Connections.



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

502-541 419



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

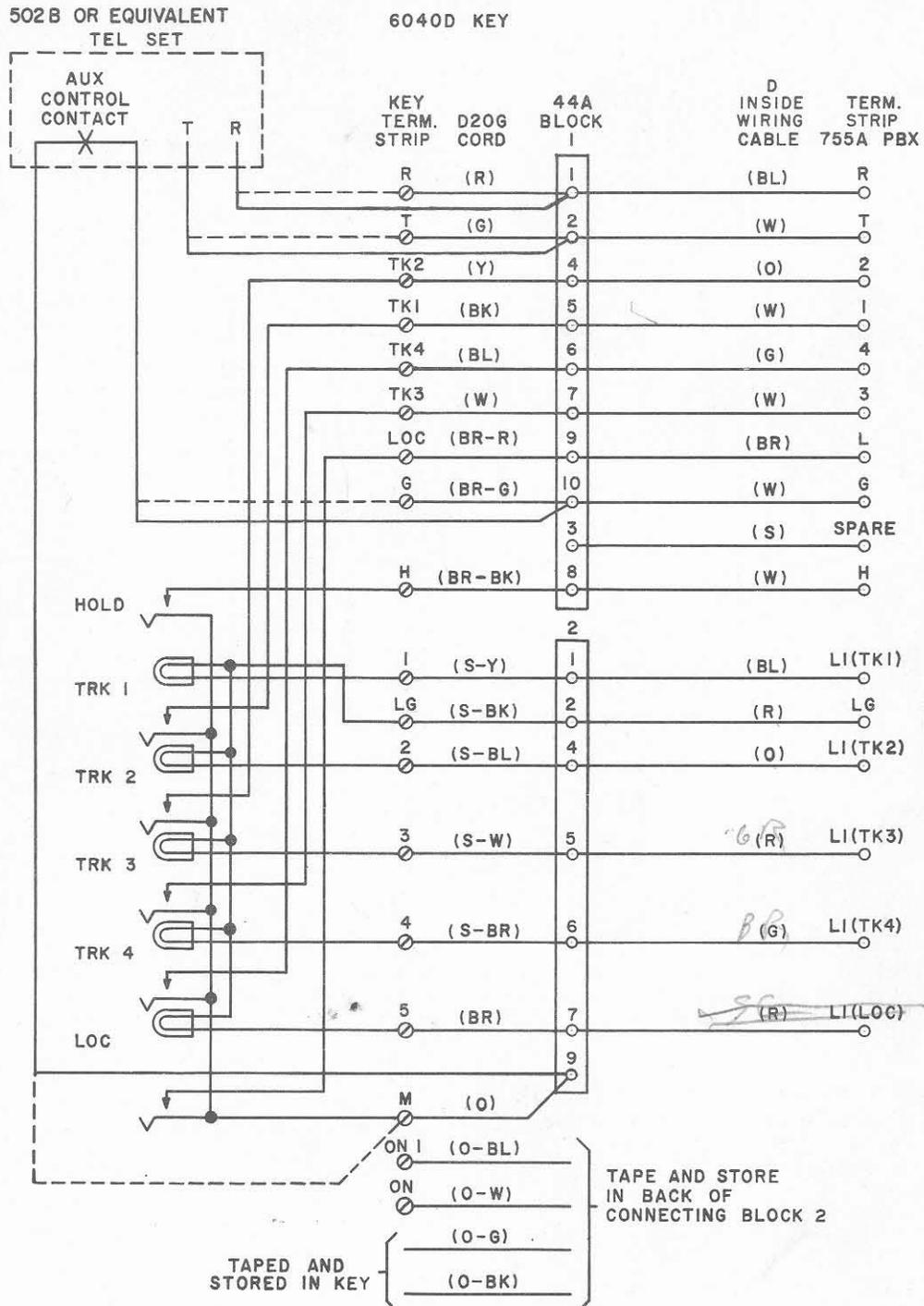
Note 2: Use S wiring when speakerphone is required or when busy lamps are required, or both.

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**

755A DIAL PBX
KEY
CONNECTIONS



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