# TELEPHONE SETS
## 462, 466, AND 566 TYPES
## CONNECTIONS

### 1. GENERAL

**1.01** This section contains connection information on the 460 and 560 series telephone sets (Fig. 1 and 2).

**1.02** This section is reissued to:

- Add current color codes to switchhook leads in the 566MB telephone set (Fig. 6 and 7).
- Add even count color codes for the D20H cord in Fig. 6, 7, and 8.

**1.03** The D20H cord replaces the D20G cord which is rated Manufactured Discontinued (MD).

**1.04** The 566MB telephone set can be modified to work with a 750A dial PBX (Fig. 7). This may be necessary because of:

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

**1.05** 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.

**1.06** 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. 1 - 462AC Telephone Set

Fig. 2 - 566MB Telephone Set

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1.07 See Table A for ringer limitations.

## 2. CONNECTIONS INDEX

Fig. 3 - 462AC Telephone Set Used with 755A Dial PBX

Fig. 4 - 466AC Telephone Set Used with 755A Dial PBX

Fig. 5 - 566FB Telephone Set Used with 755A Dial PBX

Fig. 6 - 566MB Telephone Set Used with 755A Dial PBX

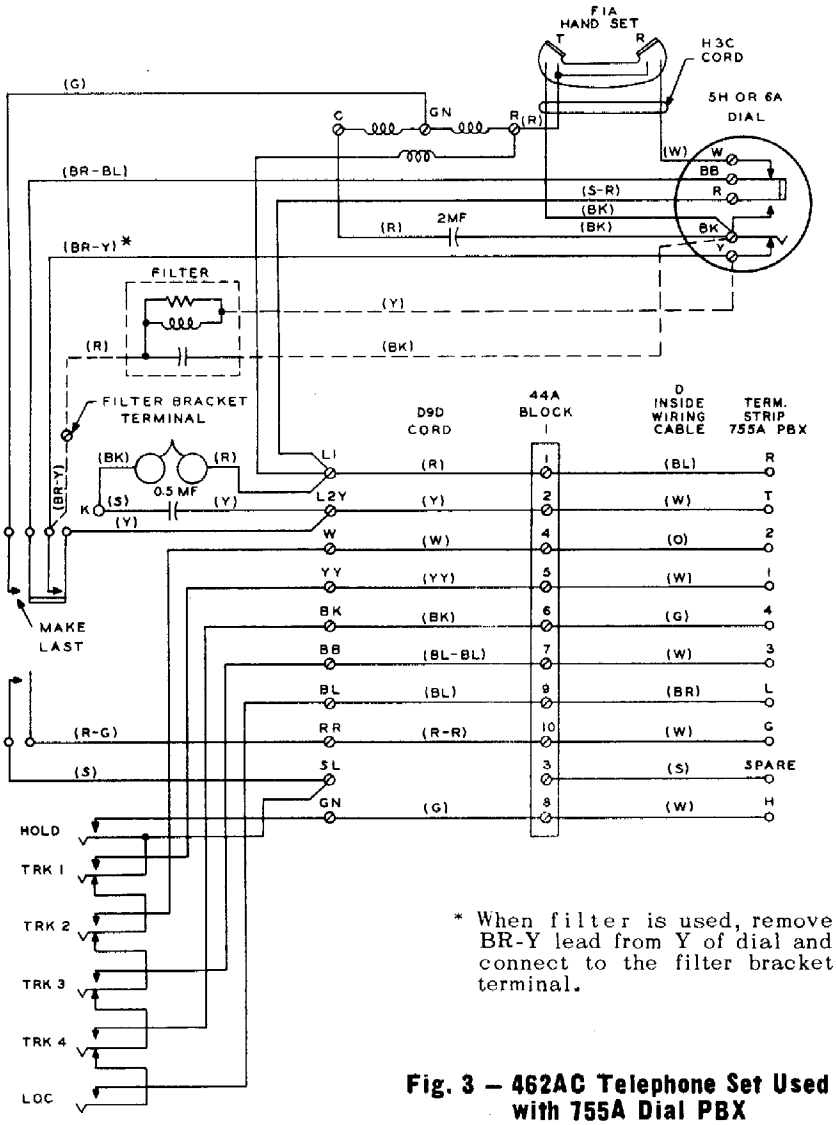
Fig. 7 - Modified 566MB Telephone Set Used with 750A Dial PBX

Fig. 8 - 6040D Key

**TABLE A**

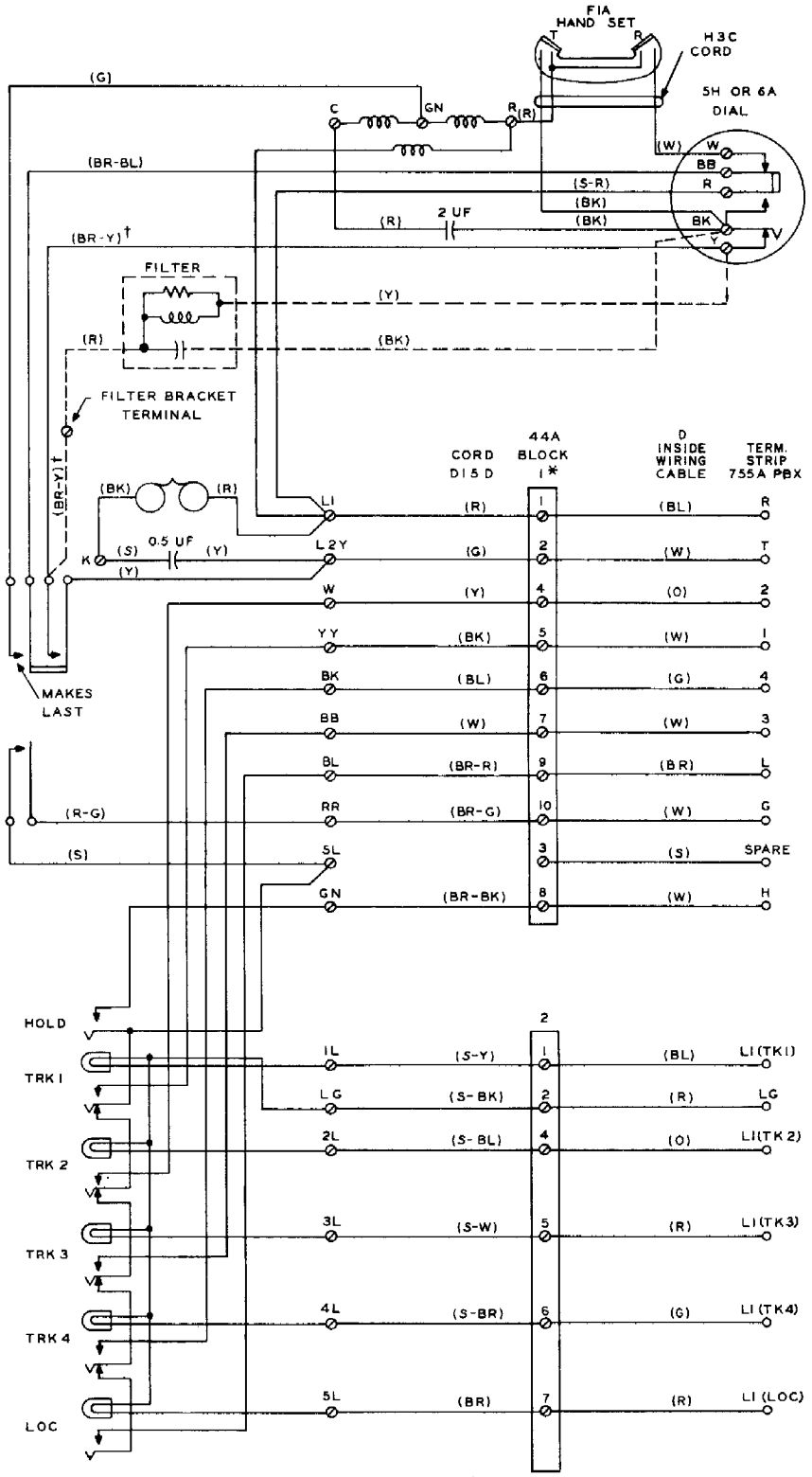
**RINGER LIMITATIONS**

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




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

**Fig. 3 – 462AC Telephone Set Used with 755A Dial PBX**




* 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 Used with 755A Dial PBX**

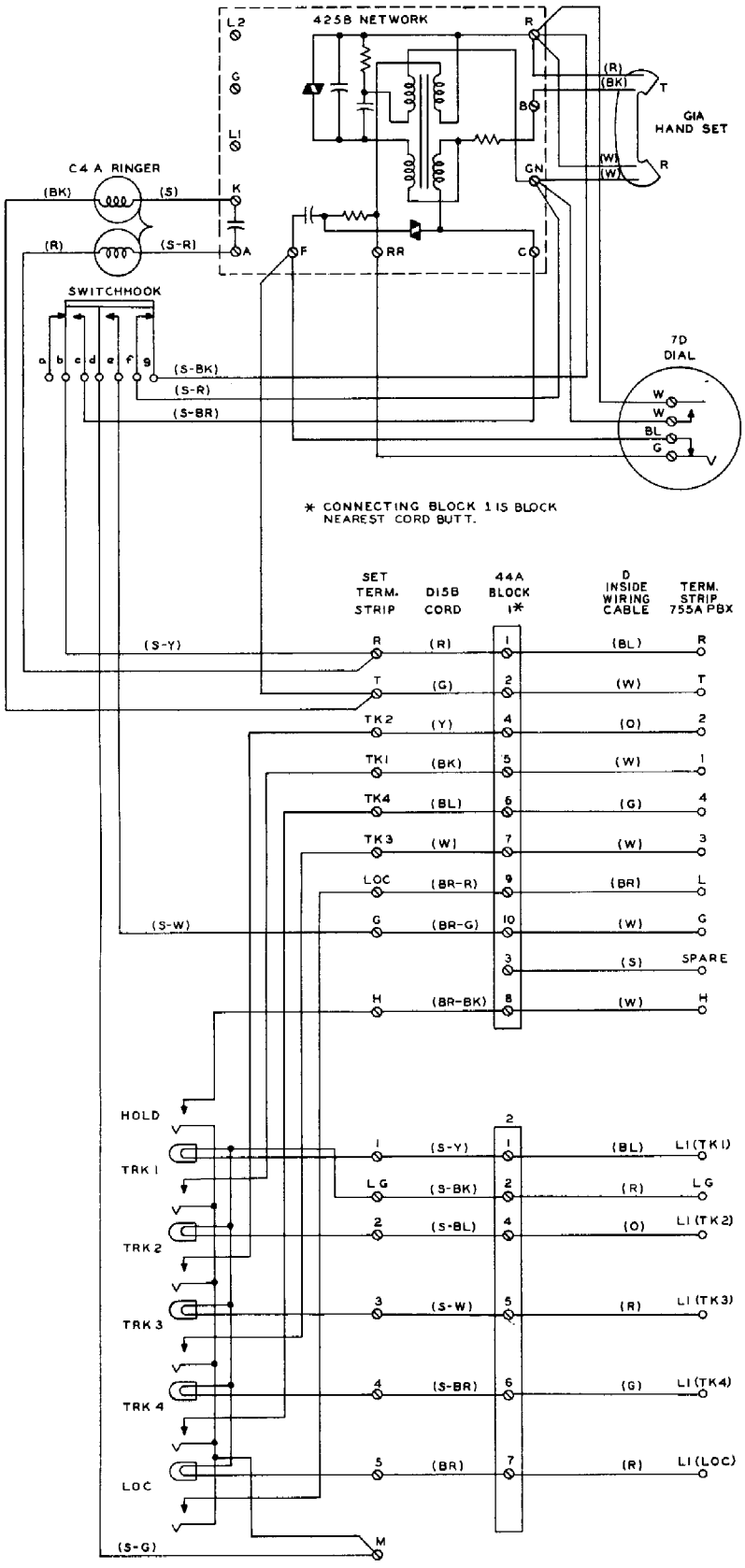



**Fig. 5 – 566FB Telephone Set Used with 755A Dial PBX**

(R) Without speakerphone or busy lamp.

(S) With speakerphone or busy lamp or both.

Note: When speakerphone or busy lamp is not required, insulate unused conductors and store.

( ) Indicates current color code.

[ ] Indicates MD color code.

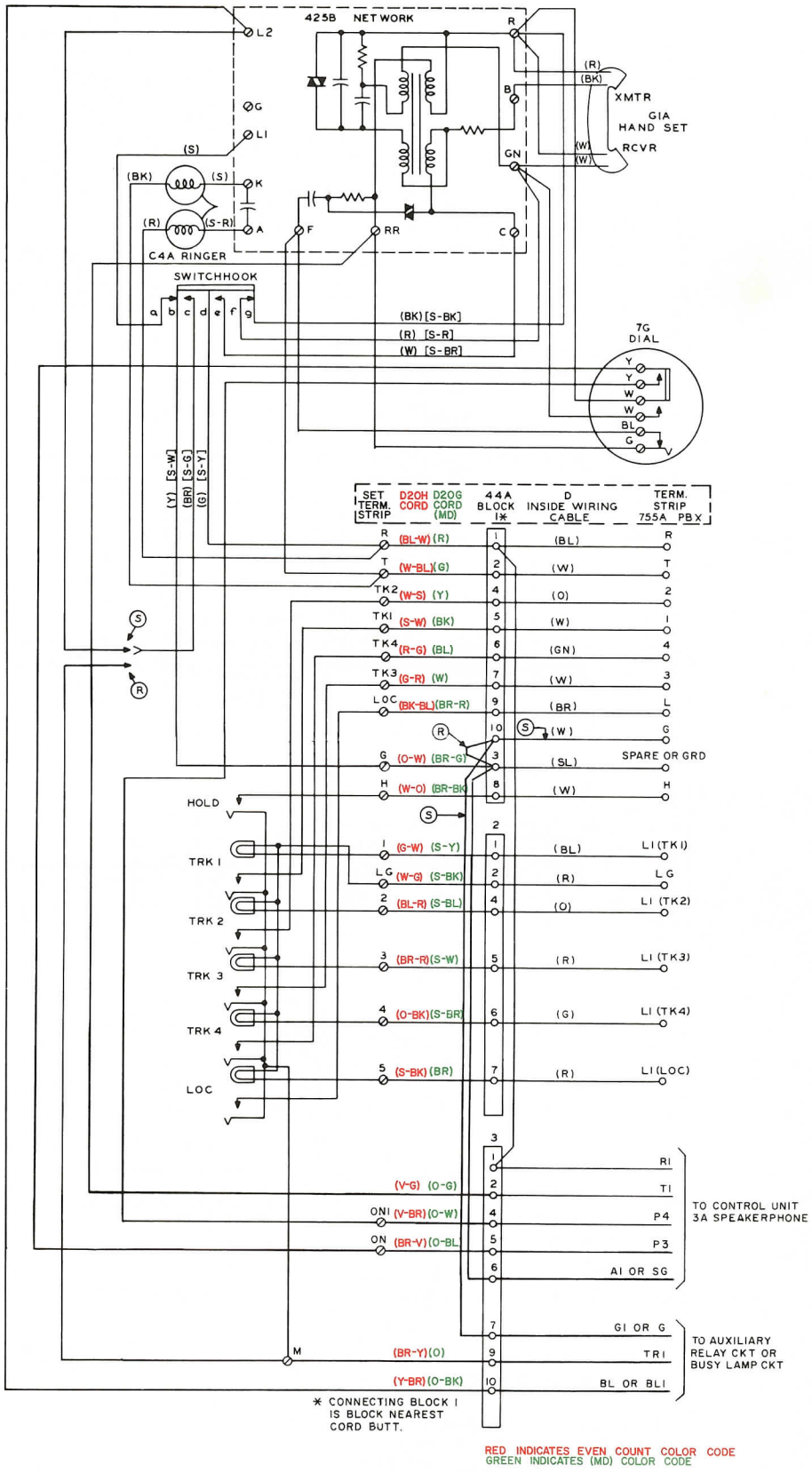
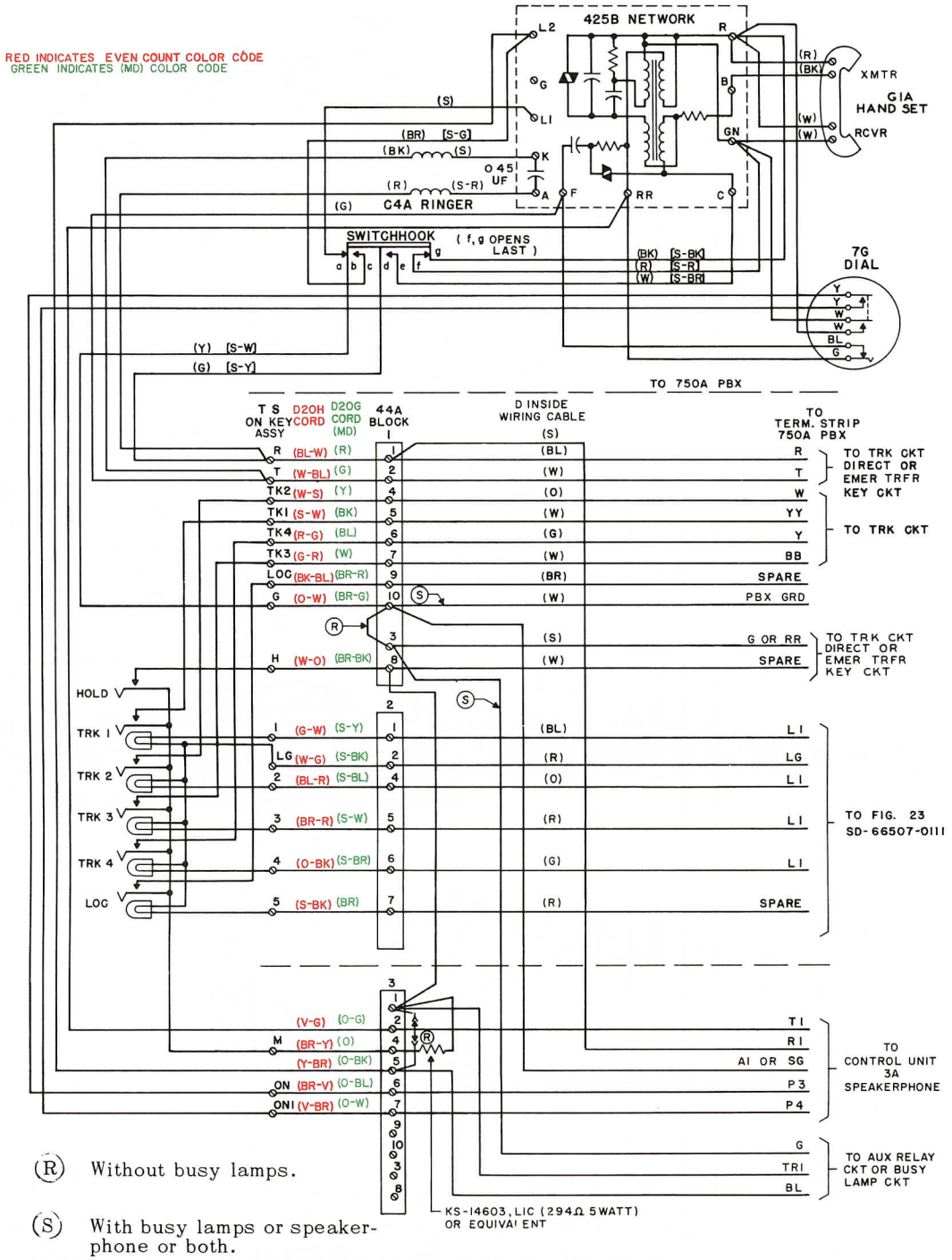



**Fig. 6 — 566MB Telephone Set Used with 755A Dial PBX**




(R) Without busy lamps.

(S) With busy lamps or speakerphone or both.

Note: To modify 566MB telephone set as shown in Fig. 7:

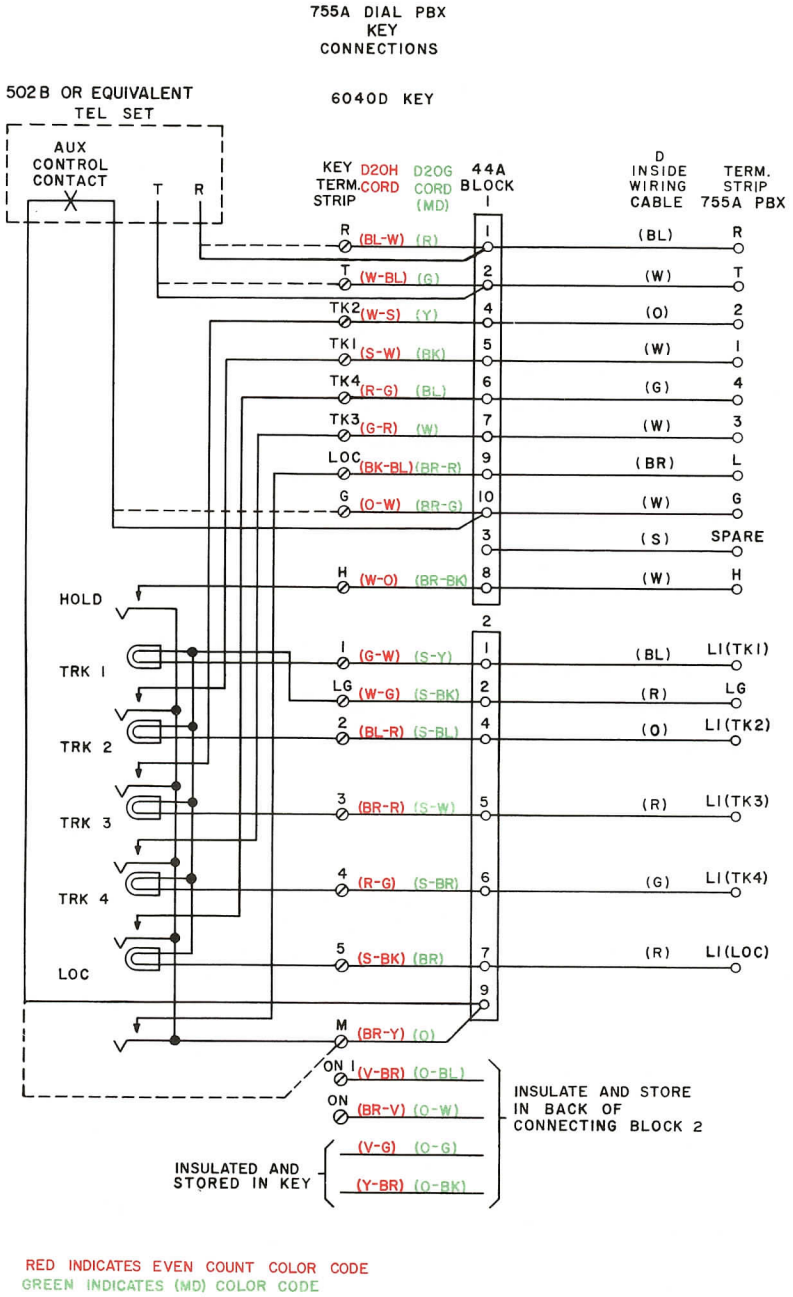
(1) Move (BR) or [S-G] switchhook lead from terminal M to terminal L2 of 425B network.

(2) Connect KS-14603, List 1C resistor (294 ohms) to terminals 1 and 4 of 44A connecting block 3.

( ) Indicates current color code.

[ ] Indicates MD color code.

**Fig. 7 - Modified 566MB Telephone Set 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**