

## SERVICE

### 500R/S AND 500SM TELEPHONE SETS

#### 1. GENERAL

##### 1.01 Reissued to:

- Delete 500RM telephone set which was never manufactured
- Add 623D4 jack and D4BU mounting cord to 500SM telephone set (Fig. 2).

**TABLE A**

**LINE AND C4B RINGER CONNECTIONS**

| WIRE<br>OR<br>LEAD                          | COLOR   | RING<br>PARTY               | TIP PARTY<br>NO IDENT<br>GROUND |
|---|---|-----------------------------|---------------------------------|
| Mtg Cord<br>in Set                          | (W-BL)<br>[G]                                     | F                           | F                               |
| Strap from<br>G Term. on<br>Net. to         | (G)   | E1                          | E1                              |
| C4B<br>Ringer                               | (R)<br>(BK)                                       | K<br>G                      | K<br>G                          |
| Mtg Cord<br>at Conn<br>Block<br>(Line Only) | (G-W)<br>[R]<br>(W-BL)<br>(G)<br>(BL-W)<br>[BR-G] | Ring<br><br>Tip<br><br>Ring | Tip<br><br>Ring<br><br>Tip      |

\* Only the optional mounting cord leads are shown in the table. Connections for the remaining mounting cord leads are shown in Fig. 1.

**Note:** To permanently silence ringer, refer to appropriate ringer section in Division 501.

( ) Current color code

[ ] MD color code

#### NOTICE

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◆ TABLE B ◆  
LINE AND C4A RINGER CONNECTIONS

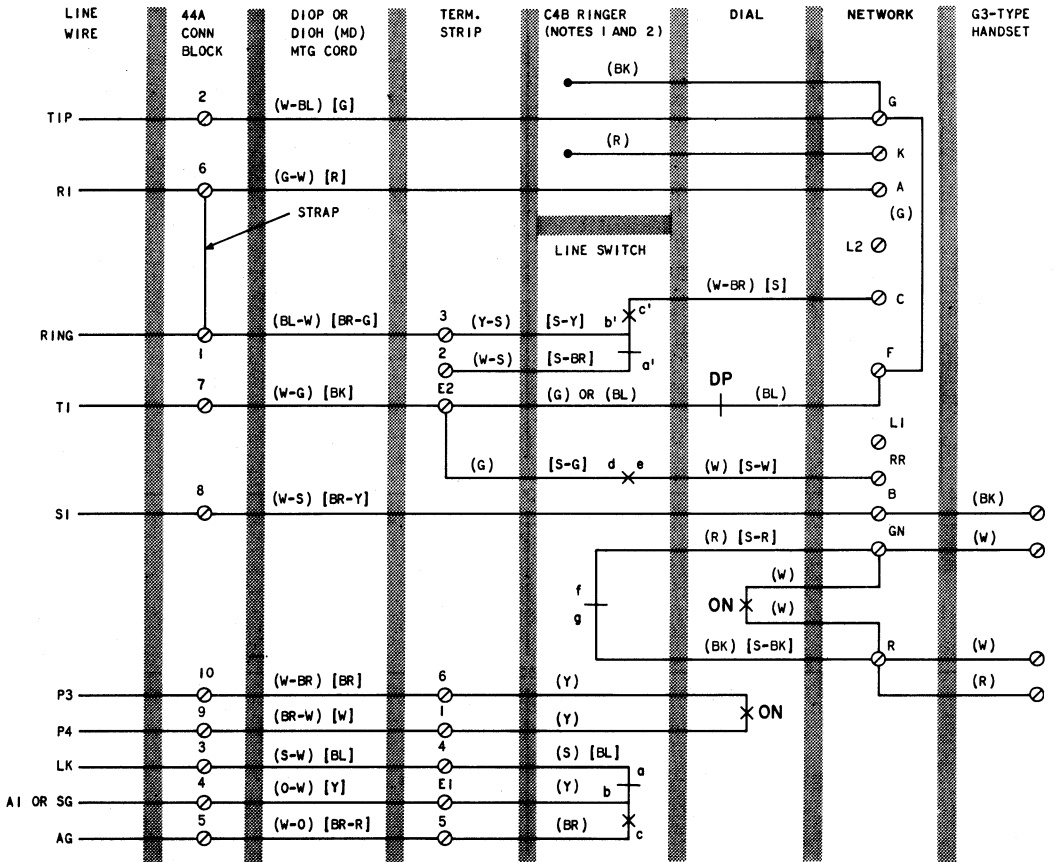
| WIRE<br>OR<br>LEAD                              | COLOR   | INDIV<br>OR<br>BRIDGED | RING<br>PARTY       | TIP PARTY<br>NO IDENT<br>GROUND | TIP PARTY<br>IDENT<br>GRD |                    |
|---|---|------------------------|---------------------|---------------------------------|---------------------------|--------------------|
|   |   |                        |                     |                                 | 1000Ω                     | 2650Ω              |
| Mtg Cord<br>in Set                              | (W-BL)<br>[G]                                     | G                      | F                   | F                               | F                         | F                  |
| Strap from<br>G Term. on<br>Net. to             | (G)   | F                      | E1                  | E1                              | E1                        | E1                 |
| C4A<br>Ringer                                   | (R)<br>(BK)<br>(S)<br>(S-R)                       | L2<br>G<br>K<br>A      | L2<br>G<br>K<br>A   | L2<br>G<br>K<br>A               | K<br>G<br>B<br>B          | B<br>B<br>K<br>G   |
| Line<br>Switch                                  | (W-S)<br>[S-BR]                                   | Term.<br>2             | Term.<br>2          | Term.<br>2                      | A of<br>Net.              | A of<br>Net.       |
| Mtg<br>Cord at<br>Conn.<br>Block<br>(Line Only) | (G-W)<br>[R]<br>(W-BL)<br>[G]<br>(BL-W)<br>[BR-G] | Ring<br>Tip<br>Ring    | Ring<br>Tip<br>Ring | Tip<br>Ring<br>Tip              | Tip<br>Ring<br>Tip        | Tip<br>Ring<br>Tip |
| Strap<br>from A<br>To L2 on<br>Net.             | (S)   | *                      | *                   | *                               | *                         | *                  |
| 44A Conn<br>Block<br>Strap                      |   | 1 to 6                 | 1 to 6              | 2 to 6                          | 2 to 6                    | 2 to 6             |

\* Remove strap, if in place, when using C4A ringer.

( ) Current color code

[ ] MD color code

**Note:** To permanently silence ringer, refer to appropriate ringer section in Division 501.



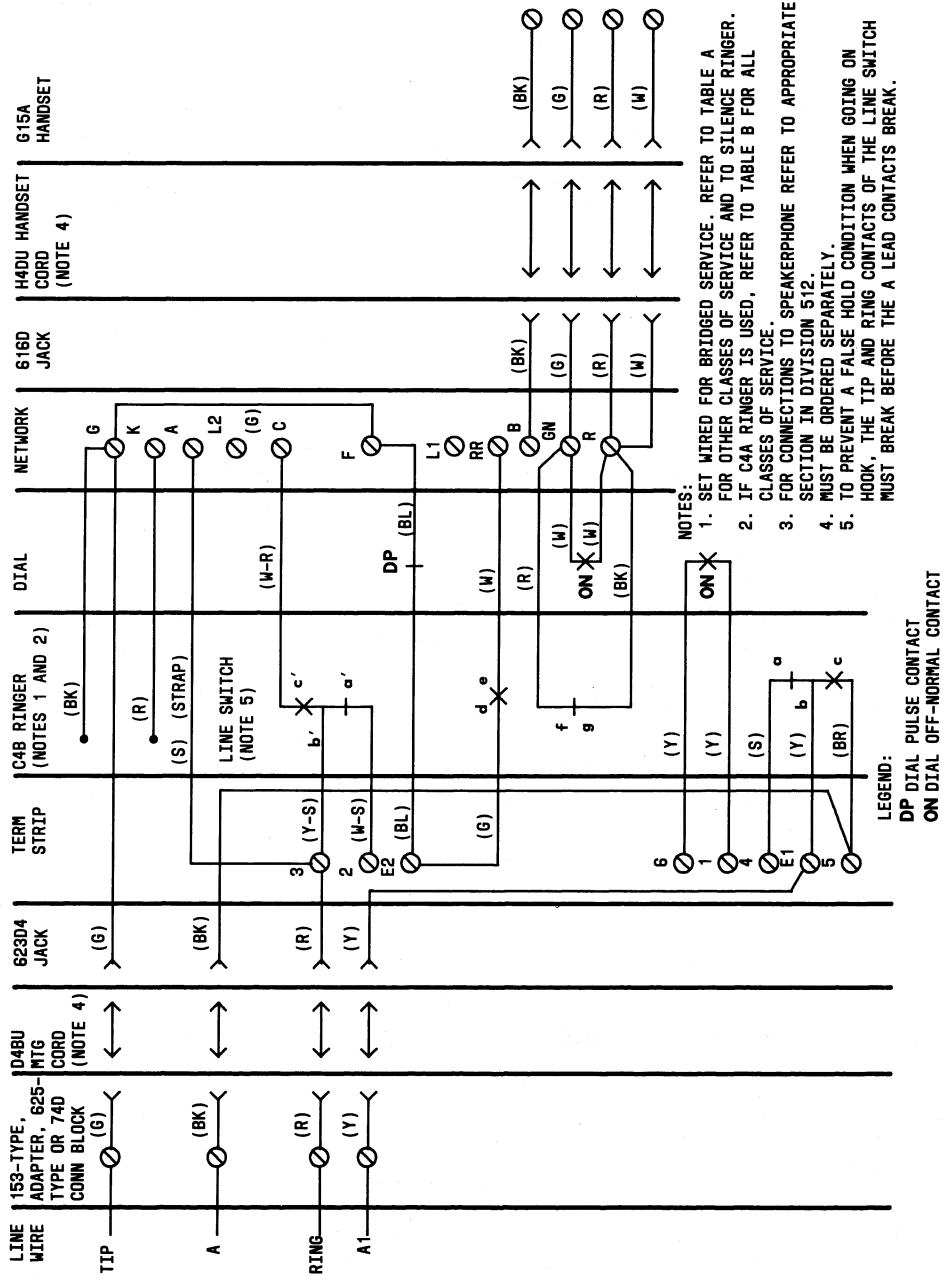
NOTES:

1. SET WIRED FOR BRIDGED SERVICE. REFER TO TABLE A FOR OTHER CLASSES OF SERVICE AND TO SILENCE RINGER.
2. IF C4A RINGER IS USED, REFER TO TABLE B FOR ALL CLASSES OF SERVICE.
3. FOR CONNECTIONS TO SPEAKERPHONE REFER TO APPROPRIATE SECTION IN DIVISION 512.

LEGEND:

- ( ) CURRENT COLOR CODE
- [ ] MD COLOR CODE
- DP DIAL PULSE CONTACT
- ON DIAL OFF-NORMAL CONTACT

Fig. 1—500R/S Telephone Set—Connections



- NOTES:
1. SET WIRED FOR BRIDGED SERVICE. REFER TO TABLE A FOR OTHER CLASSES OF SERVICE AND TO SILENCE RINGER.
  2. IF C4A RINGER IS USED, REFER TO TABLE B FOR ALL CLASSES OF SERVICE.
  3. FOR CONNECTIONS TO SPEAKERPHONE REFER TO APPROPRIATE SECTION IN DIVISION 512.
  4. MUST BE ORDERED SEPARATELY.
  5. TO PREVENT A FALSE HOLD CONDITION WHEN GOING ON HOOK, THE TIP AND RING CONTACTS OF THE LINE SWITCH MUST BREAK BEFORE THE A LEAD CONTACTS BREAK.

LEGEND:  
 DP DIAL PULSE CONTACT  
 ON DIAL OFF-NORMAL CONTACT

Fig. 2 — 500SM Telephone Set — Connections