

REFERENCE

1500D AND 1554B TELEPHONE SETS



1500D TELEPHONE SET

1554B TELEPHONE SET

Fig. 1—1500D and 1554B Telephone Sets

1. GENERAL

1.01 This section provides identification, installation, maintenance, and connection information for general purpose telephone sets previously contained in Sections 502-510-111, 502-510-440, and 502-510-431 which are hereby canceled.

2. IDENTIFICATION

Purpose

2.01 General purpose TOUCH-TONE® dial desk- and wall-type telephone sets.

Ordering Guide

2.02 Basic Telephone Sets:

Set, Telephone, 1500D-*

Set, Telephone, 1554B-*

*Refer to Table A for colors

TABLE A
COLOR ORDERING GUIDE*

| TEL SET, CORD HOUSING, HANDSET COLOR | | COORDINATED FACEPLATE† COLOR | |
|--------------------------------------|-----|------------------------------|-----|
| Black | -03 | Charcoal | -70 |
| Ivory | -50 | Muted Ivory | -80 |
| Moss Green | -51 | Light Green | -71 |
| Red | -53 | Muted Red | -69 |
| Pastel Yellow | -56 | Light Yellow | -72 |
| White | -58 | Light Gray | -73 |
| Rose Pink | -59 | Muted Pink | -74 |
| Light Beige | -60 | Muted Beige | -75 |
| Light Gray | -61 | Charcoal | -70 |
| Aqua Blue | -62 | Muted Blue | -76 |
| Turquoise | -64 | Muted Turquoise | -77 |

* Refer to Section 500-120-100 for promoted colors.

† Faceplates of same color as housing may be ordered (optional).

Design Features and Application:

2.03 The 1500D and 1554B telephone sets are general purpose desk- and wall-type sets, respectively, for use in PBX, individual, and party line service.

Optional Features

2.04 End-to-End Signaling: Requires installation of guard assembly (see Table C).

3. INSTALLATION

3.01 Exercise care not to damage line switch on early models of 1554B sets without line switch guard when drilling or driving screw in mounting hole.

4. MAINTENANCE

4.01 Replaceable Apparatus (Refer to Table B for component ordering guide.): Component parts should be maintained in accordance with section covering the particular item.

4.02 To remove housing on 1554B telephone set:

- (1) Remove number card holder and number card with KS-16750L2 releaser.
- (2) Loosen captive screws located beneath number card.
- (3) Remove housing.
- (4) To replace housing reverse procedure.

4.03 Plungers, operating bracket switch, and line switch shall move freely without binding or squeaking.

- Clean with KS-2423 cloth moistened with KS-7860 petroleum spirits.
- Lubricate plungers and bearing surfaces with No. 2 or softer graphite pencil.
- Clean line switch contacts when required with 265C tool.
- Replace set if other trouble exists in line switch assembly.

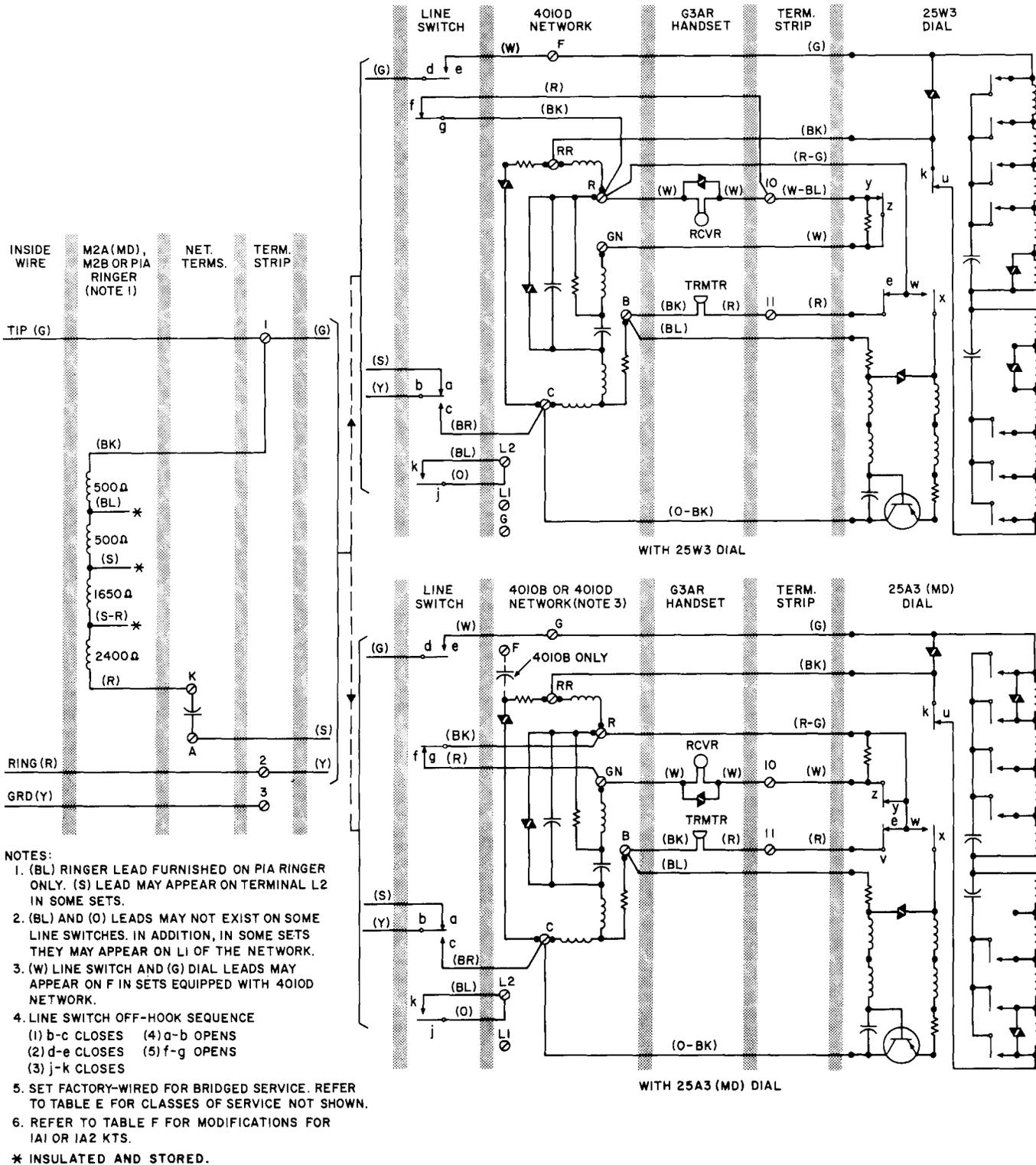


Fig. 3—1554B(MD) Telephone Set, Connections

TABLE B
COMPONENT ORDERING GUIDE*

| REPLACEABLE COMPONENTS | TELEPHONE SET | |
|------------------------------|-----------------------|-----------------------|
| | 1500D | 1554B |
| Cord, Mounting | D3BN | |
| Dial | 25W3 25A3† | 25W3 25A3† |
| Housing | P-83A300 | P-82H700 P-84C500† |
| Plate, Face, Assembly | P-84G000‡ | |
| Plate, Face | P-26E022‡ | |
| Retainer, Card | P-25E803 P-25E846† | P-25E803 P-25E846† |
| Ringer | C4A | P1A M2A† M2B† |
| Set, Hand | G3AR | G3AR |
| OPTIONAL Polarity Guard § | P-90D052 | P-90D053 |

* Refer to Table A for color selection.

† MD.

‡ Includes P-25E803 Card Retainer.

§ Telephone set must be equipped with a 25W3 or 25Y3 dial, as appropriate, if intended for use with amplifying handset or 3-type speakerphone system.

TABLE C

**POLARITY GUARD CONNECTIONS FOR
1500D AND 1554B TELEPHONE SETS**

| LEAD | | DISCONNECT FROM | CONNECT TO | |
|----------------|--------|-----------------|------------|----------------|
| | | NETWORK | NETWORK | POLARITY GUARD |
| Dial | BK | RR | | T |
| Line Switch | BR* | C | | S |
| Polarity Guard | G W | | RR C | |

*Depending on class of service set Table D or E.

Note: For use when specified by local instructions for end-to-end signaling installations.

TABLE D
LINE AND RINGER CONNECTIONS FOR 1500D TELEPHONE SET

| WIRE OR LEAD | COLOR | INDIV OR BRIDGED | RING PARTY | TIP PARTY | | |
|---|-------------|------------------------|---------------|-----------------------|--------------------|-------|
| | | | | NO IDENT GROUND | IDENTIFYING GROUND | |
| | | | | | 1000Ω | 2650Ω |
| Mounting Cord at Connecting Block | (R) | R | R | R | G | G |
| | (G) | G | G | G | R | R |
| | (Y) | G | Y | Y | Y | Y |
| Ringer Leads | (R) | L2 | L2 | L1 | K | B |
| | (BK) | G | G | G | G | B |
| | (S) | K | K | K | B | K |
| | (S-R) | A | A | A | B | G |
| Line Switch | (S) | L2 | L2 | L2 | A | A |
| | (W) [S-W] | F | F | F | C | C |
| | (BR) [S-BR] | C | C | C | F | F |

Note: To permanently silence ringer for all classes of service except identifying ground, connect (Y) mtg cord lead with (R) mtg cord lead at conn block.

(a) For 1000 ohm ground insulate and store or place (S-R) ringer lead on unused terminal.

(b) For 2650 ohm ground insulate and store, or place (BK) ringer lead on unused terminal.

() Current color code.

[] MD color code.

TABLE E

LINE AND RINGER CONNECTIONS FOR 1554B TELEPHONE SETS

| WIRE OR LEAD | | INDIVID OR BRIDGED | RING PARTY | TIP PARTY | | |
|---------------------------|-----|--------------------------|---------------|---------------------|--------------------|-------|
| | | | | NO IDENT. GROUND | IDENTIFYING GROUND | |
| | | | | | 1000Ω | 2650Ω |
| Line Wire | G | 1 | 1 | 2 | 2 | 2 |
| | R | 2 | 2 | 1 | 1 | 1 |
| | Y | 3 | 3 | 3 | 3 | 3 |
| Ringer Leads (Note) | R | K | K | K | K | K |
| | BK | 1 | 3 | 3 | 3 | 3 |
| | S | * | * | * | B | * |
| | S-R | * | * | * | * | B |
| BL | * | * | * | * | * | |
| Line Switch | W | F† | F† | C | C | C |
| | BR | C | C | F† | F† | F† |

*Insulated and stored.

†May be terminal G in older sets equipped with 4010B networks.

Notes: 1. (S) ringer lead may appear on terminal L2 in sets manufactured from 2 1964 to 8 1964.
(BL) ringer lead furnished on P1A ringer only.

2. To silence ringer permanently:

- (a) For all classes except tip party with identifying ground, remove (BK) ringer lead, insulate and store or place on unused terminal.
- (b) For tip party with 1000 or 2650 ohm identifying ground, remove (R) ringer lead insulate and store or place on unused terminal.

TABLE F

MODIFICATIONS FOR 1A1 OR 1A2 KTS
FOR 1554B TELEPHONE SETS

| WIRE OR LEAD | | DISCONNECT FROM | CONNECT TO |
|--|-----|--------------------|---------------|
| Line Switch | S | A | * |
| | Y | 2 | L1 |
| | BR | C | 3 |
| | BL† | L2 | C |
| | O† | L2 | 2 |
| Add M1W cord or equivalent from 2 to A | | | |

* Insulated and stored.

† If leads are not present, strap C to 2 with M1W cord.

Note: For common audible with 1A1 or 1A2 KTS. Connect B1 and (BK) ringer lead to L2 and R1 to K. M1W cord not required.