

## SERVICE

### 1702B TELEPHONE SETS

#### 1. GENERAL

##### 1.01 Reissued to:

- Add Tables B and C
- Add Fig. 3

TABLE A

**POLARITY GUARD CONNECTIONS  
(D-180229 KIT OF PARTS)**

LEAD	COLOR	REMOVE FROM NET.	CONNECT TO	
			NETWORK	TERM. BOARD*
Dial	(BK)	RR		3
Line Switch	(BR) [S-BR]	C		4
Polarity Guard	(R) (BK) (G) (W)		RR C	3 4

\* Component of polarity guard assembly.

( ) Current color code.

[ ] MD color code.

**Note:** Install polarity guard assembly only when specified by local instructions for end-to-end signaling.

◆ TABLE B ◆

LINE RINGER CONNECTIONS  
1702B TELEPHONE SET WITH D5AK MOUNTING CORD

WIRE OR LEAD		INDIVIDUAL OR BRIDGED †	RING PARTY ‡	TIP PARTY		
				NO IDENT GRD	IDENTIFYING GROUND	
					1000 OHMS	2650 OHMS
Inside Wire at Conn Block	Ring	R	R	R	R	R
	Tip	G	G	G	G	G
	Grd	Y	Y	Y	Y	Y
Dial Light Transformer	1	Y	Y	Y	Y	Y
	2	B	B	B	B	B
D5AK Mtg Cord at Conn Block	(R)	R	R	G	G	G
	(G)	G	G	R	R	R
	(Y)	G	Y	Y	Y	Y
	(BK)	B	B	B	B	B
	(W)	Y	Y	Y	Y	Y
D5AK Mtg Cord at Set Terminals	(R)	L2	L2	L2	L2	L2
	(G)	L1	L1	L1	C	C
	(Y)	G	G	G	G	G
	(BK)	4†	4†	4†	4†	4†
	(W)	3†	3†	3†	3†	3†
Ringer Leads	(R)	K	K	K	K	K
	(BK)	G	G	G	G	G
	(S)	*	*	*	L1	*
	(S-R)	*	*	*	*	L1
Line Switch	(BR)	C	C	F	F	F
	(W) [S-W]	F	F	C	B	B
Strap From H	(BK) [S-BK]	*	*	*	*	*

\* Insulated and stored.

† Terminals on lamp terminal block.

‡ Factory-wired for bridged or ring party.

() Current color code.

[ ] MD color code.

- Note:** 1. To silence ringer permanently before all classes of service, disconnect (R) ringer lead from K; insulate and store.
2. When connecting the D5AK mounting cord leads for tip party identifying ground, use D-161488 connectors and M1W straps as required to extend conductor leads.

◆ TABLE C ◆

LINE AND RINGER CONNECTIONS  
1702B TELEPHONE SET WITH D4BT MOUNTING CORD

WIRE OR LEAD		INDIVIDUAL OR BRIDGED	RING PARTY	TIP PARTY		
				NO IDENT GRD	IDENTIFYING GROUND	
					1000 OHMS	2650 OHMS
Inside Wire at Conn Block	Ring	R	R	R	R	R
	Tip	G	G	G	G	G
	Grd	Y	Y	Y	Y	Y
Dial Light Transformer	1	Y	Y	Y	Y	Y
	2	B	B	B	B	B
D4BT Mtg Cord at Conn Block	(R)	R	R	G	G	G
	(G)	G	G	R	R	R
	(Y)	Y	Y	Y	Y	Y
	(BK)	B	B	B	B	B
D4BT Mtg Cord at Set Terminals	(R)	L2	L2	L2	L2	L2
	(G)	L1	L1	L1	C	C
	(Y)	3†	3†	3†	3†	3†
	(BK)	4†	4†	4†	4†	4†
Ringer Leads	(R)	K	K	K	K	K
	(BK)	L1	3†	3†	3†	3†
	(S)	*	*	*	L1	*
	(S-R)	*	*	*	*	L1
Line Switch	(BR)	C	C	F	F	F
	(W) [S-W]	F	F	C	B	B
Strap From H	(BK) [S-BK]	*	*	*	*	*

\* Insulated and stored.

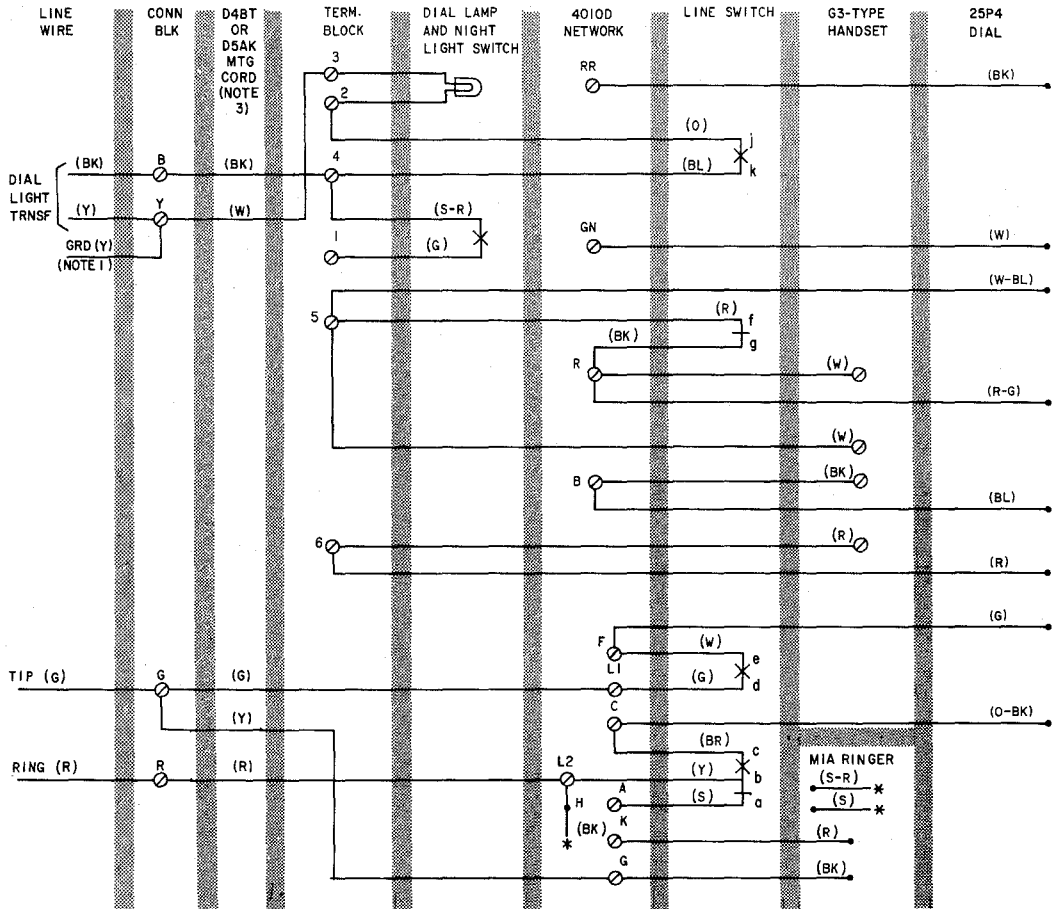
† Terminals on lamp terminal block.

( ) Current color code.

[ ] MD color code.

*Note:* To silence ringer permanently (for all classes of service), disconnect (R) ringer lead from K; insulate and store.

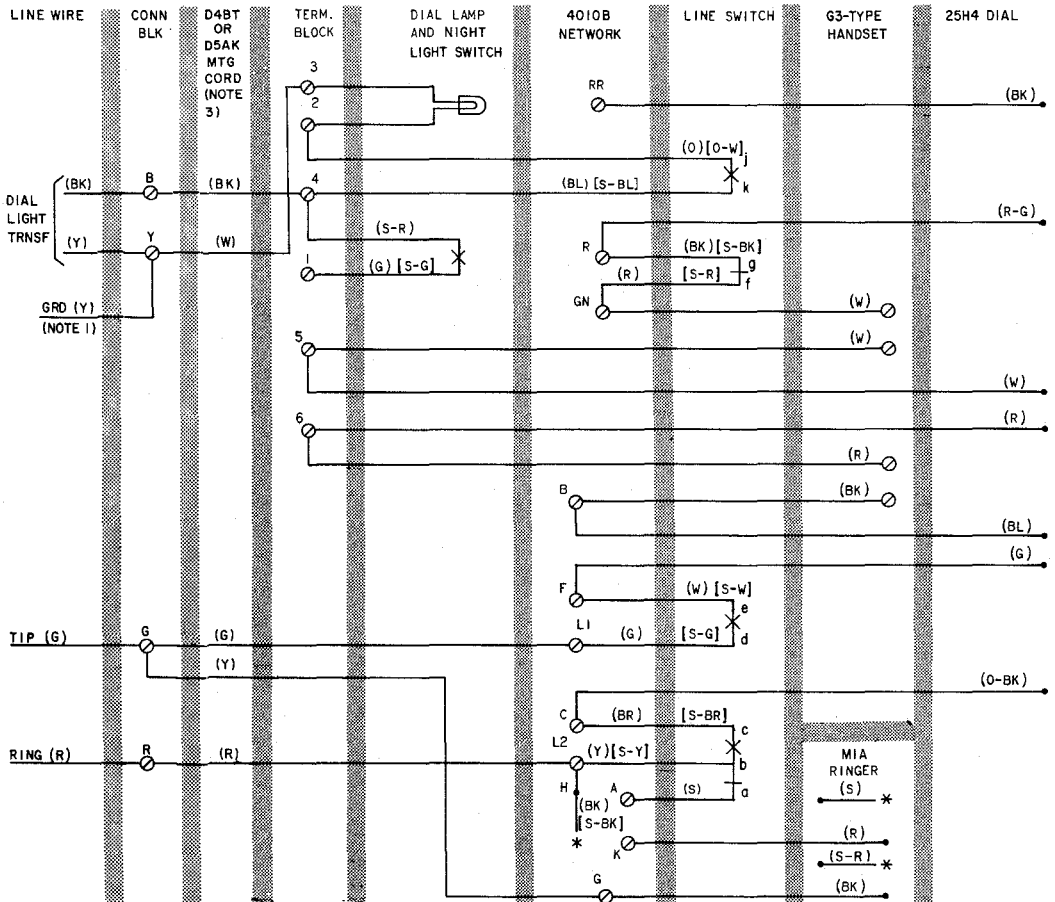
**SECTION 502-722-401**



- NOTES:**
1. STATION GROUND SHALL BE PROVIDED FOR ALL INSTALLATIONS.
  2. BRIDGED RINGING CONNECTIONS SHOWN. SEE TABLE B OR C FOR ALL CLASSES OF SERVICE.
  3. CONNECTIONS SHOWN FOR D5AK MTG CORD. IF D4BT MTG CORD IS USED, REFER TO TABLE C.

- bc- MAKE
- de MAKE
- ab BREAK
- fg BREAK
- jk MAKE

**Fig. 1—1702B (MD) Telephone Set Connections Using 25P4 (MD) Dial and 4010D Network**



NOTES:

1. STATION GROUND SHALL BE PROVIDED FOR ALL INSTALLATIONS.
  2. BRIDGED RINGING CONNECTIONS SHOWN. SEE TABLE B OR C FOR ALL CLASSES OF SERVICE.
  3. CONNECTIONS SHOWN FOR D5AK MTG CORD. IF D4BT MTG CORD IS USED, REFER TO TABLE C.
- LINE SWITCH SEQUENCE:  
 bc—MAKE    ab—BREAK    jk—MAKE  
 de—MAKE    fg—BREAK

\* INSULATED AND STORED  
 ( ) CURRENT COLOR CODE  
 [ ] MD COLOR CODE

Fig. 2—1702B (MD) Telephone Set Connections Using 25H4 (MD) Dial and 4010B Network

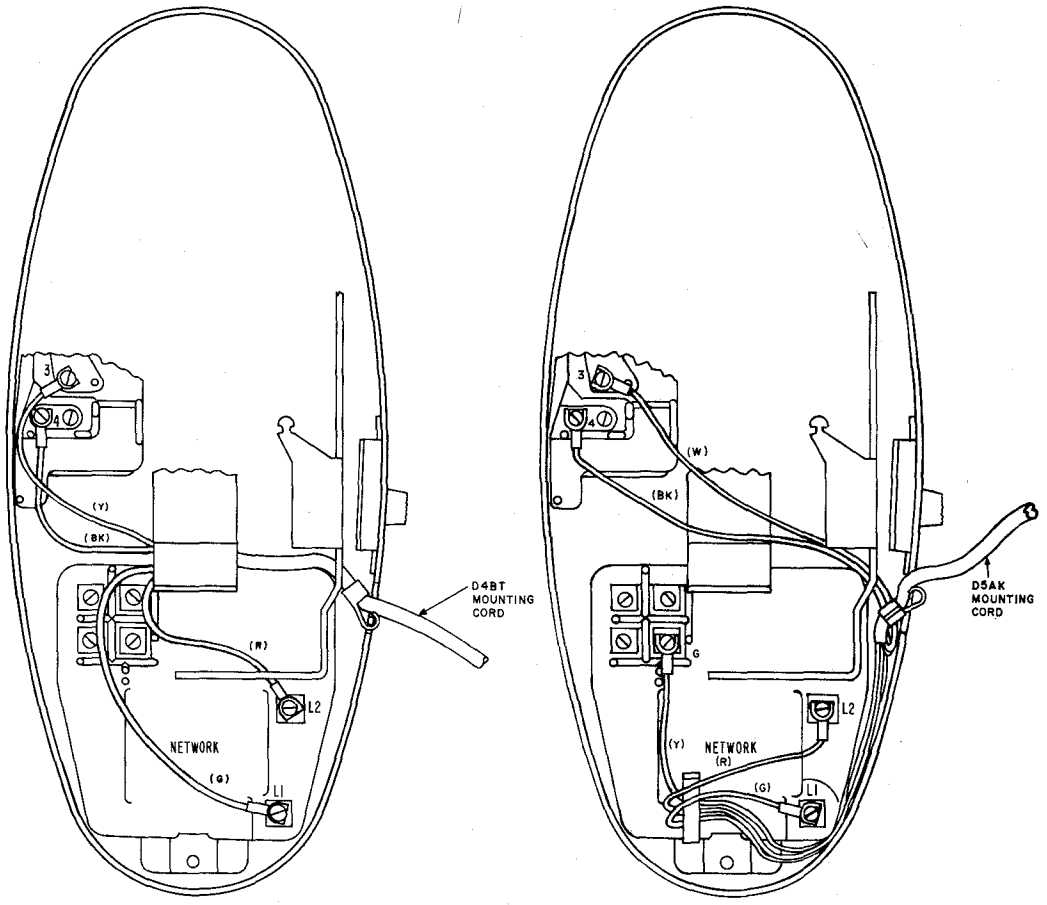


Fig. 3—Method of Terminating D4BT and Current Production D5AK Mounting Cords