

TELEPHONE SETS

2702-TYPE

CONNECTIONS

1. GENERAL

- (a) This section is reissued to:
- Include connection modifications which will prevent false billing due to incomplete hangup.
 - Show wiring connection changes in the 4010D network (affects only 2702B sets).
 - Provide polarity guard connections for key and nonkey telephone systems.
 - Delete installation instructions for polarity guard. For polarity guard installation, refer to Section 502-710-103.
- (b) Connections for 3-type speakerphone system are covered in Section 512-622-472.

Table C — Polarity Guard Connections For Nonkey Telephone Systems (D-180229 Kit Of Parts)

Table D — 2702B Telephone Set Modifications For Use With 1A1 or 1A2 Key Telephone System

Table E — Polarity Guard Connections For 1A1 or 1A2 Key Telephone System (D-180229 Kit Of Parts)

Fig. 1 — 2702B Telephone Set, Connections

Fig. 2 — 2702B Telephone Set, Wired For Use With 1A1 or 1A2 Key Telephone System

Fig. 3 — 2702D Telephone Set, Connections

2. CONNECTIONS



Without a polarity guard the TOUCH-TONE® dial will operate only with the orange-black dial lead connected to the negative (ring) side of the line and the green dial lead connected to the positive (tip) side.

- (a) **Ringer**
- M1A ringer may be silenced by removing (R) ringer lead from network terminal **K**.
 - Insulate and store lead.

(b) **Connection Index**

Table A — 2702-Type Telephone Sets, Line Connections For Bridged and Ring Party Service

Table B — 2702B Telephone Set Line and Ringer Connections For Tip Party Service

TABLE A

2702-TYPE TELEPHONE SETS, LINE CONNECTIONS FOR BRIDGED AND RING PARTY SERVICE*

WIRE OR LEAD		COLOR	INDIV OR BRIDGED	RING PARTY
D5AK Cord at Conn. Block		R	R	R
		G	G	G
		Y	G	Y
		BK	B	B
Inside Wire at Conn. Block		W	Y	Y
		Ring	R	R
		Tip	G	G
GRD		Y	Y	Y
		Y	Y	Y
Dial Light Trnsf Leads at Conn. Block			Y	Y
			B	B

* Sets are wired for either service. See Fig. 1 and 3. 2702D (Message Waiting) set should be connected for bridged service only.

TABLE B

2702B TELEPHONE SET LINE AND RINGER CONNECTIONS FOR TIP PARTY SERVICE*

WIRE OR LEAD	COLOR	NO IDENT GRD	1000Ω	2650Ω
Ringer at Net.	S-R	†	†	L1
	S	†	L1	†
Line Switch at Net.	BR	F	F	F
	W	C	B	B
D5AK Cord at Net.	G	L1	C	C
D5AK Cord at Conn. Block	R	G	G	G
	G	R	R	R
	Y	Y	Y	Y
	BK	B	B	B
	W	Y	Y	Y

* Inside wiring and dial light transformer leads at connecting block are wired as in Table A. If BK strap is present between network terminals *H* and *A*, remove from *A*, insulate and store.

† Insulated and stored.

TABLE C

POLARITY GUARD CONNECTIONS FOR NONKEY TELEPHONE SYSTEMS (D-180229 KIT OF PARTS)

WIRE OR LEAD	COLOR	REMOVE FROM NETWORK	CONNECT TO	
			NETWORK	TERM. BOARD*
Dial	BK	RR		3
Line Switch	BR ①	C		4
	W ②			
D5AK Cord	G ③			
Polarity Guard	R			3
	BK			4
	G		RR	
	W		C	

* Component of polarity guard assembly (2702B) or message waiting lamp assembly (2702D).

- ① If wired for ring or bridged service.
- ② If wired for tip party (no identification ground).
- ③ If wired for tip party (with identification ground).

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

TABLE D

2702B TELEPHONE SET MODIFICATION FOR USE WITH 1A1 OR 1A2 KEY TELEPHONE SYSTEM

WIRE OR LEAD	COLOR	REMOVE FROM	CONNECT TO		INSULATE AND STORE
		NETWORK	NETWORK	TERM BLOCK	
Line Switch	BR	C		3	
	Y	L2	G		
	S	A			•
Ringer	BK	G	L1		
Strap*			C ↔ L2		
Network	BK	Stored Location	A		

* M1W cord or equivalent. Do not use strap if polarity guard is to be installed.

TABLE E

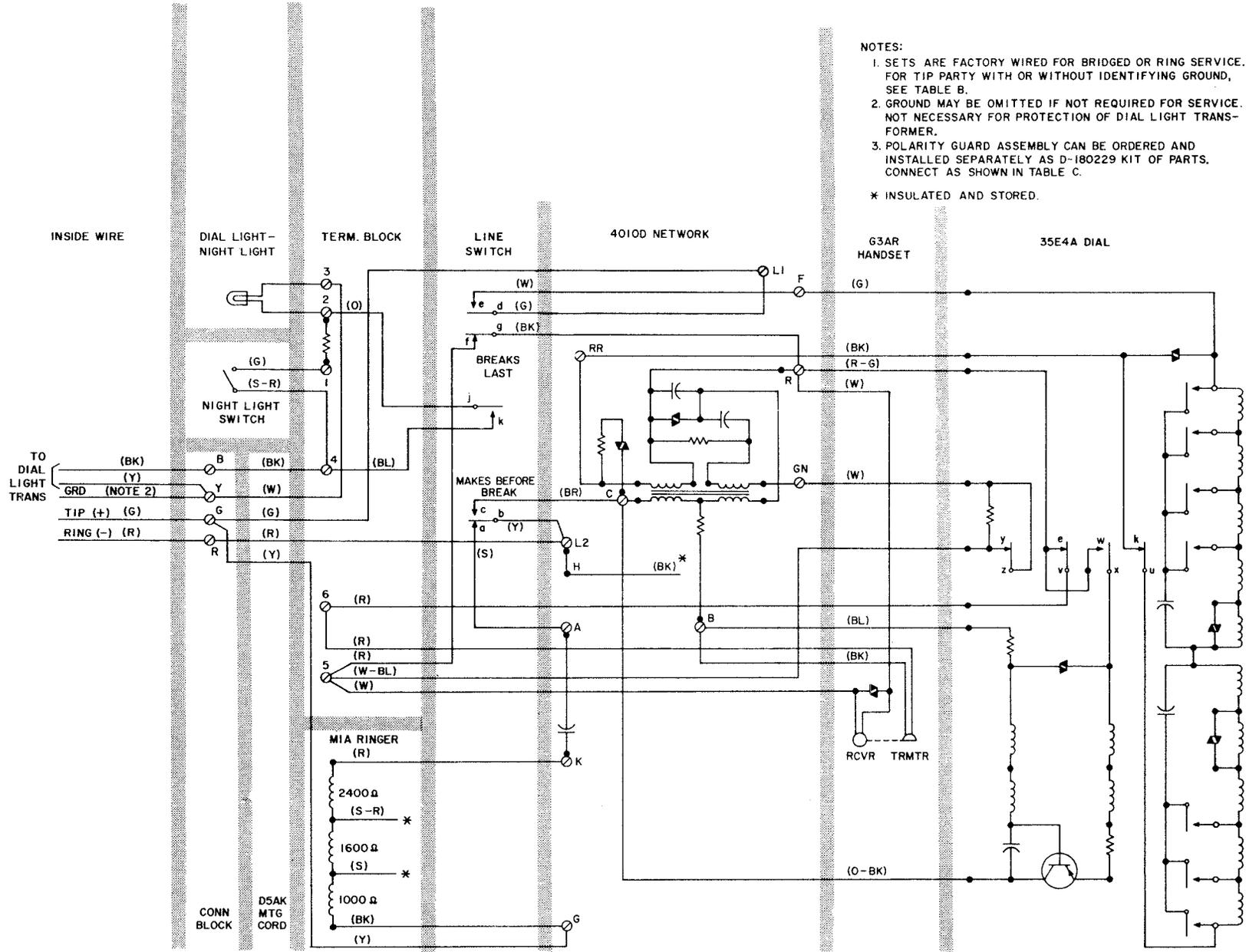
POLARITY GUARD CONNECTIONS FOR 1A1 OR 1A2 KEY TELEPHONE SYSTEM

(D-180229 KIT OF PARTS)

WIRE OR LEAD	COLOR	REMOVE FROM NETWORK	CONNECT TO	
			NETWORK	TERM BOARD*
Dial	BK	RR		3
Polarity Guard	W		C	
	R			3
	BK		L2	
	G		RR	

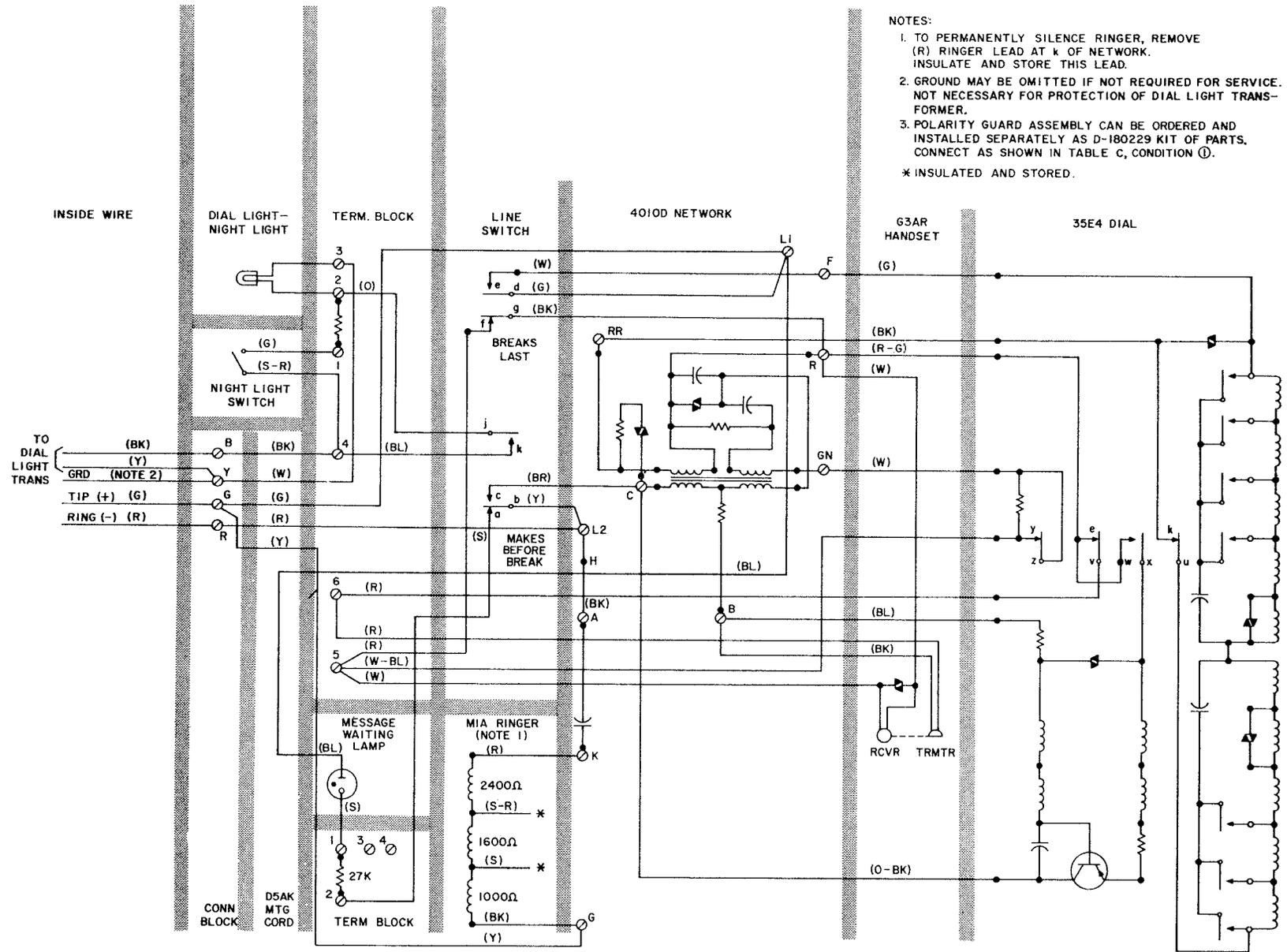
* Component of polarity guard assembly (2702B set).

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



- NOTES:
1. SETS ARE FACTORY WIRED FOR BRIDGED OR RING SERVICE. FOR TIP PARTY WITH OR WITHOUT IDENTIFYING GROUND, SEE TABLE B.
 2. GROUND MAY BE OMITTED IF NOT REQUIRED FOR SERVICE. NOT NECESSARY FOR PROTECTION OF DIAL LIGHT TRANSFORMER.
 3. POLARITY GUARD ASSEMBLY CAN BE ORDERED AND INSTALLED SEPARATELY AS D-180229 KIT OF PARTS. CONNECT AS SHOWN IN TABLE C.
- * INSULATED AND STORED.

Fig. 1 — 2702B Telephone Set, Connections



- NOTES:
1. TO PERMANENTLY SILENCE RINGER, REMOVE (R) RINGER LEAD AT k OF NETWORK. INSULATE AND STORE THIS LEAD.
 2. GROUND MAY BE OMITTED IF NOT REQUIRED FOR SERVICE. NOT NECESSARY FOR PROTECTION OF DIAL LIGHT TRANSFORMER.
 3. POLARITY GUARD ASSEMBLY CAN BE ORDERED AND INSTALLED SEPARATELY AS D-180229 KIT OF PARTS. CONNECT AS SHOWN IN TABLE C, CONDITION ①.
- * INSULATED AND STORED.

Fig. 3 — 2702D Telephone Set, Connections