

TELEPHONE SETS

2660-TYPE
CONNECTIONS

1. GENERAL

1.01 These sets are supplied shop wired as 2660A1 only. Modification kits are available for field conversion to provide exclusion, signaling and/or 2-line pickup.

Table D — Conversion of 2660A1 to 2660A4 Telephone Sets

Table E — 2660A4 Telephone Set — Conductor Assignment Using 44A Connecting Block

Table F — P-90D012 Polarity Guard Connections

Table G — Modification for 2-Line Pickup and Hold (Nonkey Telephone System)

2. CONNECTION INDEX

Table A — Line and Ringer Connections — 2660A1 and 2660A2 Telephone Sets

Fig. 1 — 2660A1 and 2660A2 Telephone Sets, Connections

Table B — Conversion of 2660A1 to 2660A3 Telephone Sets

Fig. 2 — 2660A3 and 2660A4 Telephone Sets, Connections

Table C — 2660A3 Telephone Set — Conductor Assignment Using 44A Connecting Block

Fig. 3 — 2660A1 Telephone Set, Modified for 2-Line Pickup and Hold (Nonkey Telephone Systems)

TABLE A

LINE AND RINGER CONNECTIONS — 2660A1 AND 2660A2 TELEPHONE SETS

WIRE OR LEAD		INDIV OR BRIDGED	RING PARTY	TIP PARTY			1A1 OR 1A2* KEY TEL SYSTEM	EXCLUSION † (2660A2 ONLY)	
				NO IDENT GROUND	IDENT GROUND				
					1000 Ω	2650 Ω			
Mounting Cord at Connecting Block	Tip	(G)	G	G	G	G	G	1	
	Ring	(R)	R	R	R	R	R	2	
	Grd A1	(Y)	G	Y	Y	Y	Y	4	
	A	(BK)					BK	5	
	ET	(BL)						6	
	ER	(W)						7	
Mounting Cord in Set	Tip	(G)	L1	L1	L1	L2	L2	A	L1
	Ring	(R)	L2	L2	L2	L1	L1	L2	L2
	Grd A1	(Y)	A	A	A	G	G	L1	A
	A	(BK)						F	‡
	ET	(BL)							6§
	ER	(W)							5§
Ringer Leads	(R)	7	7	7	7	7	7	7	7
	(BK)	6	6	6	6	6	6	6	6
	(S)	‡	‡	‡	5	‡	‡	‡	‡
	(S-R)	‡	‡	‡	‡	5	‡	‡	‡
Switch Hook Leads	(BR)	F	F	F	C	C	F	F	
	(W)	C	C	C	F	F	C	C	
	(S)	‡	‡	‡	K	K	‡	‡	
Dial	(G)	F	F	F	F	F	A	F	
Ringer Straps	(G)	7 to L2	7 to L2	7 to L1	7 to A	7 to A	7 to C	7 to L2	
	(G-R)	6 to K	6 to K	6 to K	6 to G	6 to G	6 to K	6 to K	
Exclusion Straps (2660A2 only)	(BR)							L1 to 1§	
	(S)							L2 to 2§	

* Replace D3BN with D4BK mounting cord.

† Replace D3BN with D6AF mounting cord.

‡ Insulate and store.

§ Terminals on exclusion terminal board.

TABLE B — CONVERSION OF 2660A1 TO 2660A3 TELEPHONE SETS

LEADS		REMOVE FROM	FOR 2-LINE PICKUP AND SIGNALING		FOR 1-LINE, SIGNALING AND SET RINGER USED AS LINE RINGER		
			SET RINGER USED AS LINE RINGER ON LINE 1 CONNECT TO	SET RINGER USED AS COM. OR PVT. LINE RINGER CONNECT TO	EXT. STA. OR RINGER CUTOFF BY TURN KEY CONNECT TO	EXT. STA. OR RINGER AND SET RINGER CUTOFF BY TURN KEY CONNECT TO	
Switch Hook	(Y)	L1 of network	L2 of network				
	(BR)	F of network	G of network				
	(G)	L2 of network	TB2-5				
Ringer Strap	(G)	L2 of network	TB2-2*	†	TB2-5	TB2-2	
D10R Mtg. Cord (added)	(W-BL)		TB2-1		A of network	F of network	
	(BL-W)		TB2-2		TB2-5		
	(W-O)		TB2-7		G of network		
	(O-W)		L2 of network		L2 of network		
	(W-G)		TB2-8		TB2-1		
	(G-W)		TB2-4		TB2-2		
	(W-BR)		TB2-6		TB2-7		
	(BR-W)		†	TB2-3		†	
	(W-S)		TB2-3		TB1-6†		TB2-3
(S-W)	TB2-9		TB1-7		TB2-9		
Key Assy (added)	(O-W)		G of network				
	(G-BK)		F of network				
	(G)		TB2-1				
	(R)		TB2-2				
	(W)		TB2-3				
	(Y)		TB2-4				
	(S-R)		TB2-5				
	(O)		TB2-6				
	(O-BK)		TB2-7				
	(BK)		TB2-8				
	(BL)		TB2-9				
Strap(added)	(V)		TB2-1 and A of net. *	(not required)	F of net. and A of net.	TB2-1 and A of net.	

*For ringer on line 2 move strap (G) from TB2-2 to TB2-4 and strap (V) from TB2-1 to TB2-8.

†Insulate and store.

‡Ringer connected without capacitor for common or private line ringing. If common audible signal power failure feature is provided, connect capacitor in circuit by moving mounting cord (W-S) lead from TB1-6 to A of network.

TABLE C

**2660A3 TELEPHONE SET
CONDUCTOR ASSIGNMENT
USING 44A CONNECTING BLOCK**

D10R MTG CORD	44A CONN. BLOCK TERMINAL	LINE 1	LINE 2 OR CUTOFF CIRCUIT	SIGNAL* OR COM. RINGER CIRCUIT
(W-BL)	2	T		
(BL-W)	1	R		
(W-O)	5	A		
(O-W)	4	A1 or GRD		
(W-G)	7		T	
(G-W)	6		R	
(W-BR)	10		A	
(BR-W)	9			SPARE or S*
(W-S)	8			S or R
(S-W)	3			G or B

*When both signaling and common ringer are required, connect mtg. cord (BR-W) set end to TB2-3 and place strap between TB2-9 and L2 of network.

TABLE D

VERSION OF 2660A1 TO 2660A4 TELEPHONE SETS

LEADS		REMOVE FROM	PICKUP—RINGER ON LINE 1		FOR 1-LINE—SET RINGER USED AS LINE RINGER		
			WITH EXT. EXCL. CONNE	WITH SIGNALING AND SET RINGER CUTOFF BY EXCL. SWITCH CONNECT TO	WITH EXT. EXCLUSION AND EXT. STA OR RINGER CUTOFF BY TURN KEY CONNECT TO	WITH SIGNALING, EXT. STA. OR RINGER CUTOFF BY TURN KEY AND SET RINGER CUTOFF BY EXCL. SWITCH CONNECT TO	WITH SIGNALING, SET RINGER CUTOFF BY TURN KEY, AND EXT. EXCLUSION CONNECT TO
Switch Hook	(Y)	L1 of network	L2 of network	L2 of network	L2 of network	L2 of network	L2 of network
	(BR)	F of network	G of network	G of network	G of network	G of network	G of network
	(G)	L2 of network	T	TB2-5	TB2-5	TB2-5	TB2-5
Ringer Strap	(G)	L2 of network		Excl TB-6	Excl TB-2	Excl TB-6	TB2-2
D10R Mtg. Cord (added)	(W-BL)			TB2-1	F of network	F of network	F of network
	(BL-W)			TB2-2	TB2-5	TB2-5	TB2-5
	(W-O)			TB2-7	G of network	G of network	G of network
	(O-W)		L2k	L2 of network	L2 of network	L2 of network	L2 of network
	(W-G)			TB2-8	TB2-1	TB2-1	TB2-3
	(G-W)			TB2-4	TB2-2	TB2-2	TB2-9
	(W-BR)			TB2-6	TB2-7	TB2-7	‡
	(BR-W)		3-8	‡	Excl TB-8	‡	Excl TB-8
	(W-S)		3-6	TB2-3	Excl TB-6	TB2-3	Excl TB-6
	(S-W)		B-5	TB2-9	Excl TB-5	TB2-9	Excl TB-5
Key Assy (added)	(O-W)				G of network		
	(G-BK)				F of network		
	(G)				TB2-1		
	(R)				TB2-2		
	(W)				TB2-3		
	(Y)				TB2-4		
	(S-R)				TB2-5		
	(O)				TB2-6		
	(O-BK)				TB2-7		
	(BK)				TB2-8		
	(BL)				TB2-9		
Straps (added)	(V)		A of net.*	A of net. and Excl TB-5	A of net. and Excl TB-1	A of net. and Excl TB-5	TB2-1 and A of net.
	(S)		‡Excl TB-2†	TB2-1 and Excl TB-2	F of net. and Excl TB-2	F of net. and Excl TB-2	F of net. and Excl TB-2
	(BR)		‡Excl TB-1†	TB2-2 and Excl TB-1	TB2-5 and Excl TB-1	TB2-5 and Excl TB-1	TB2-5 and Excl TB-1
	(R-G)		‡Excl TB-4†	‡	G of net. and Excl TB-4	‡	G of net. and Excl TB-4

*For ringer on line 2, move strap (G) from TB2-2 to TB2-4 and strap TB2-1 to TB2-8.

†For exclusion on line 2, move strap (S) from TB2-1 to TB2-8, strap TB2-2 to TB2-4, and strap (R-G) from TB2-7 to TB2-6.

‡Insulate and store.

TABLE E

**2660A4 TELEPHONE SET
CONDUCTOR ASSIGNMENT
USING 44A CONNECTING BLOCK**

DI OR MTG CORD	44A CONN. BLOCK TERMINAL	LINE 1	LINE 2, CUTOFF, OR SIGNAL CIRCUIT	EXCLUSION OR SIGNAL CIRCUIT
(W-BL)	2	T		
(BL-W)	1	R		
(W-O)	5	A		
(O-W)	4	A1 or GRD		
(W-G)	7		T or S*	
(G-W)	6		R or G*	
(W-BR)	10		A or SPARE	
(BR-W)	9			A or SPARE
(W-S)	8			T or S
(S-W)	3			R or G

*Used when both signaling and exclusion are required.

TABLE F

P-90D012 POLARITY GUARD CONNECTIONS

	TEL SET LEADS			POLARITY GUARD LEADS	
	(W) SWITCH HOOK	(G-W) DIAL	(BK) DIAL	(W)	(G)
Remove From	C of network		RR of network	—	—
Connect To	S of polarity guard		T of polarity guard	C of network	RR of network

TABLE G

MODIFICATION FOR 2-LINE PICKUP AND HOLD
(NONKEY TELEPHONE SYSTEM)

WIRE OR LEAD	COLOR	CONNECT TO*
2-Line Pickup Key Assembly	S	3
	G	1
	G-BK	L1 of network
	BK	4
	R	2
	S-R	L2 of network
	Y	5
	W-O	6
	W	7
Hold Key Assembly	BL	8
	G	6
	BL	5
	W	2
D6AF Mounting Cord†	BR	3
	G	1
	R	2
	Y	5
	BK	4
	W	7
Strap (added)	BL	8
	O	TB2-1 and A of network
Ringer Strap‡	G	2

*Terminals on TB2 except where noted otherwise.

†D6AF mounting cord replaces original D3BN mounting cord.

‡Move existing ringer strap (G) from L2 of network to TB2-2.

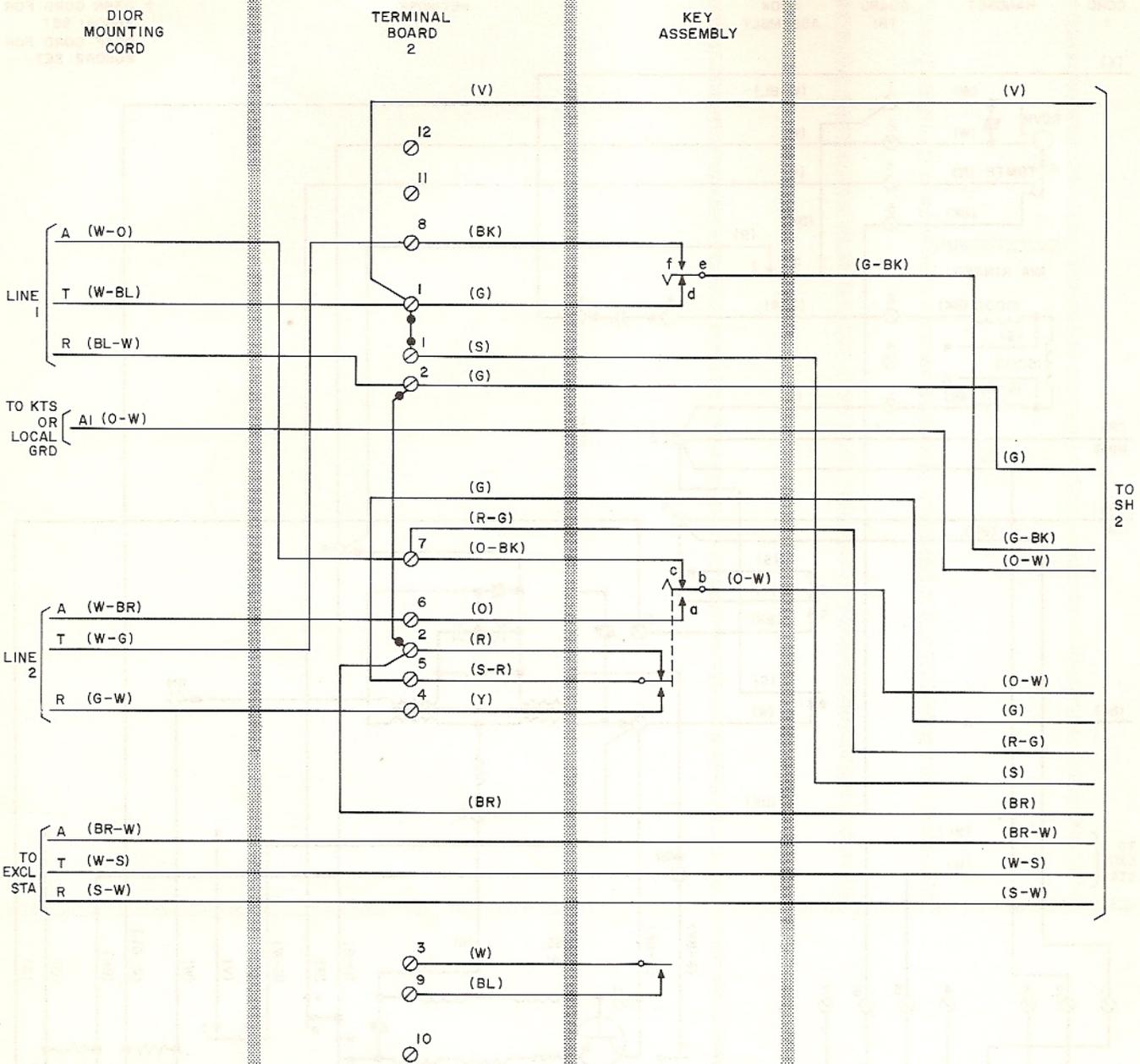


Fig. 2 — 2660A3 and 2660A4 Telephone Sets, Connections (Sheet 1 of 2)

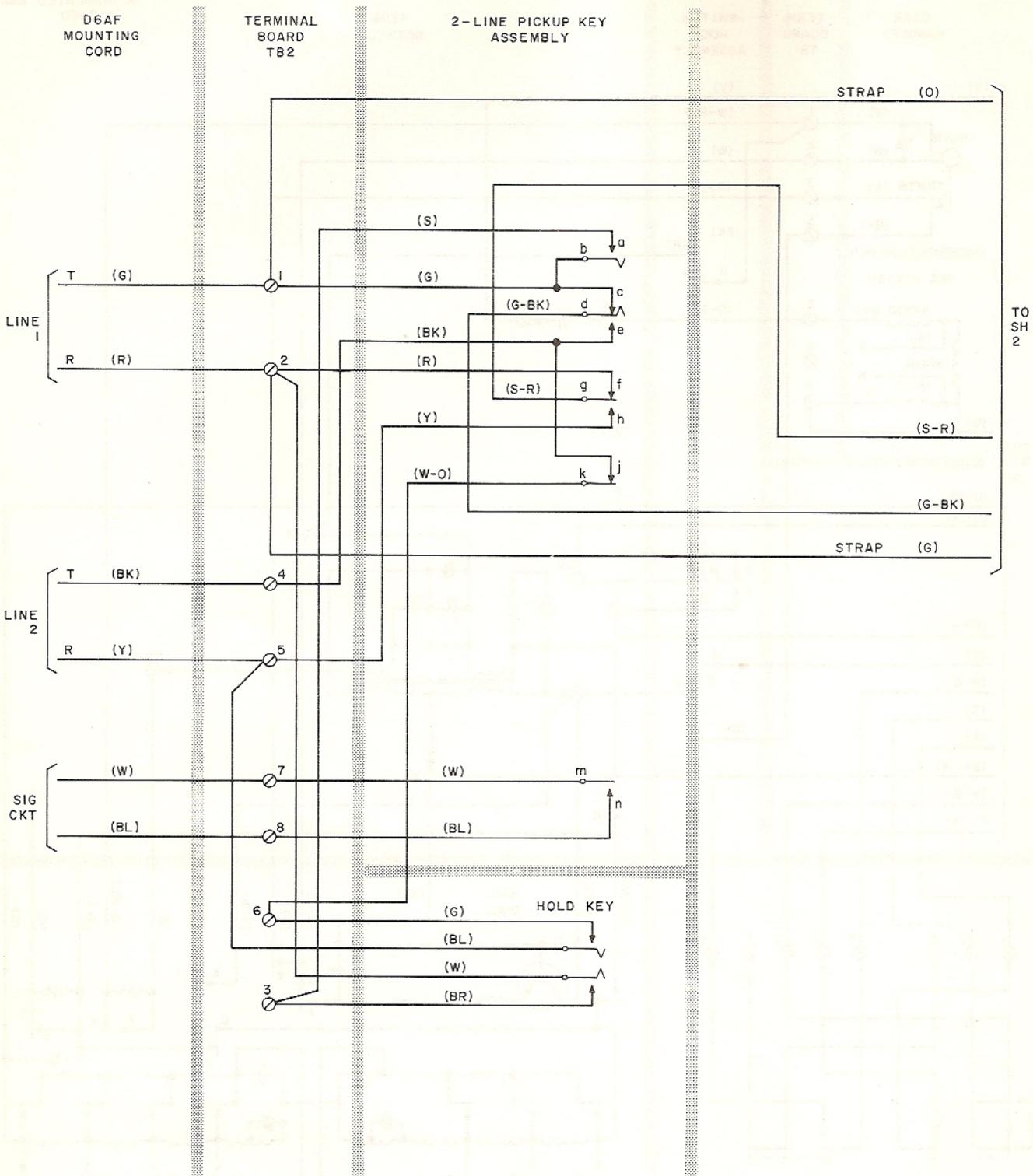


Fig. 3 — 2660A1 Telephone Set, Modified for 2-Line Pickup and Hold (Nonkey Telephone System) (Sheet 1 of 2)

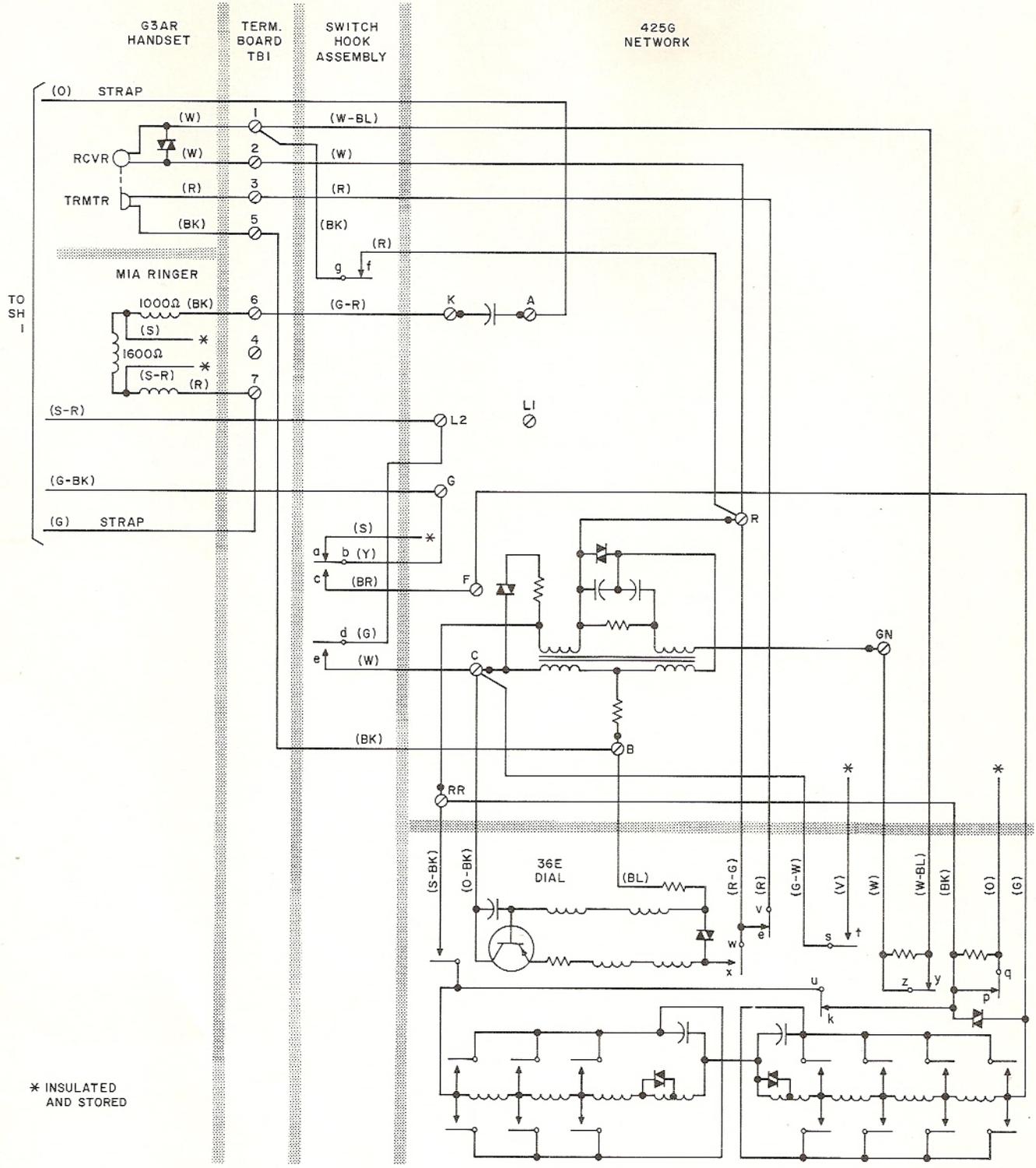


Fig. 3 — 2660A1 Telephone Set, Modified for 2-Line Pickup and Hold (Nonkey Telephone System) (Sheet 2 of 2)