

TELEPHONE SETS — 2714A

CONNECTIONS

1. GENERAL

1.01 Intended solely for use with specially engineered lines — *not for general telephone use*. This section shows internal wiring of the 2714A telephone set and covers changes necessary to provide other services with which the set may be used.

1.02 The sets are intended for 2-line pickup in specially engineered 1A1 or 1A2 key telephone systems but can be used on nonkey telephone system lines. They are factory wired to provide exclusion on Line 1.

1.03 As factory wired the left-hand plunger actuates the exclusion switch providing cutoff of a remote station. This switch can be wired as a hold key (Fig. 2) when used on non-key telephone system line circuits.

1.04 The dial light is wired to act as a night light when the handset is on-hook. The dial light switch is under control of the line switch actuator arms and no manual control is brought outside the set housing. If the night light feature is not desired, a wiring change is necessary (see Fig. 1, 2, or 3).

1.05 The sets can be used with specially engineered 3-type speakerphone systems (see Fig. 2 or 3).

2. CONNECTION INDEX



No change in wiring other than those specified in this section shall be made.

Table A — Modification for 2-Line Pickup, Hold on Line 1, Signaling, and 3-Type Speakerphone (used without 1A1 or 1A2 KTS)

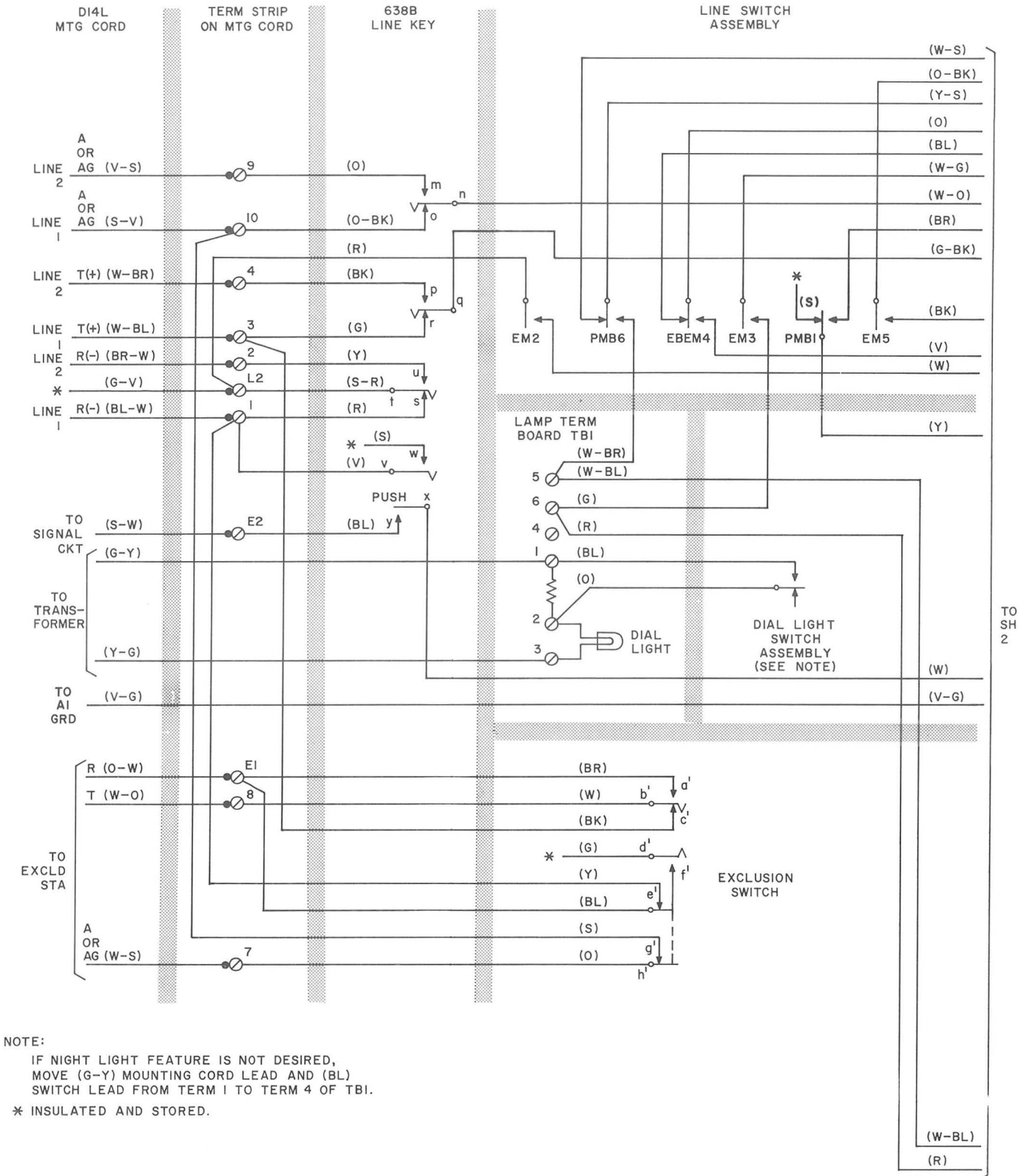
Table B — Modification for 2-Line Pickup, Signaling, and 3-Type Speakerphone (used with 1A1 or 1A2 KTS)

Fig. 1 — 2714A Telephone Set — 2-Line Pickup, Exclusion on Line 1 (Factory Wiring)

Fig. 2 — 2714A Telephone Set — Wired for 2-Line Pickup, Hold on Line 1, Signaling, and 3-Type Speakerphone (used without 1A1 or 1A2 KTS)

Fig. 3 — 2714A Telephone Set — Wired for 2-Line Pickup, Signaling, and 3-Type Speakerphone (used with 1A1 or 1A2 KTS)

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**Fig. 1 — 2714A Telephone Set — 2-Line Pickup, Exclusion on Line 1
(Factory Wiring) (Sheet 1 of 2)**

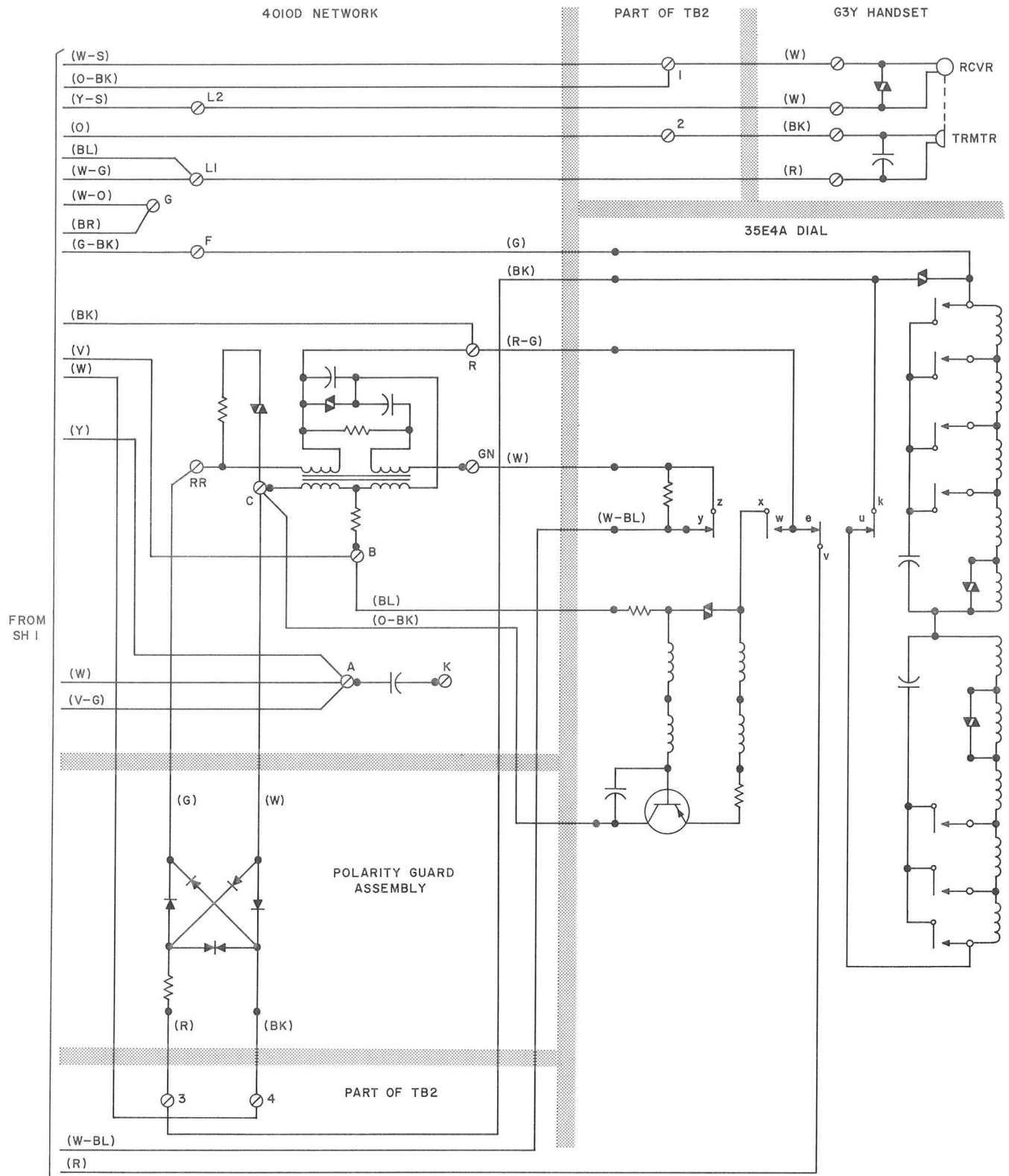


Fig. 1 — 2714A Telephone Set — 2-Line Pickup, Exclusion on Line 1
(Factory Wiring) (Sheet 2 of 2)

DI4L
MTG CORD

TERM STRIP
ON MTG CORD

638B
LINE KEY

LINE SWITCH
ASSEMBLY

(BR)

(W-S)

(O-BK)

(Y-S)

(O)

(BL)

(W-G)

(W-O)

(G-BK)

(BK)

(V)

(W)

(S)

(G)

(Y)

(S-R)

(R)

(V)

(W-BL)

(BR-W)

(BL-W)

(S-W)

(G-Y)

(Y-G)

(O-W)

(V-G)

(W-O)

(W-S)

(BR)

(W)

(BK)

(G)

(Y)

(BL)

(S)

(O)

(V-G)

(W-BL)

(R)

TO SPEAKER-
PHONE
CONTROL
UNIT

AG (V-S)

LK (S-V)

RI (G-V)

LINE 2 T(+) (W-BK)

LINE 1 T(+) (W-BL)

LINE 2 R(-) (BR-W)

LINE 1 R(-) (BL-W)

TO SIGNAL
CKT

(S-W)

(G-Y)

TO DIAL
LIGHT
TRANS

(Y-G)

TO
SPEAKER-
PHONE
UNIT

AI (O-W)

TI (V-G)

(NOTE 2)

9

10

L2

4

3

2

1

E2

E1

8

7

5

6

4

1

2

3

DIAL LIGHT

DIAL LIGHT SWITCH
(NOTE 3)

EXCLUSION
SWITCH

NOTES:

1. TO MODIFY 2714B TELEPHONE SETS AS SHOWN IN FIG. 2, REWIRE SET ACCORDING TO TABLE A.
2. STRAP GRD TO AI TERMINAL AT 55-TYPE CONTROL UNIT.
3. IF NIGHT LIGHT FEATURE IS NOT DESIRED, MOVE (G-Y) MOUNTING CORD LEAD AND (BL) SWITCH LEAD FROM 1 TO 4 OF TBI.

* INSULATE AND STORE.

TO SH 2

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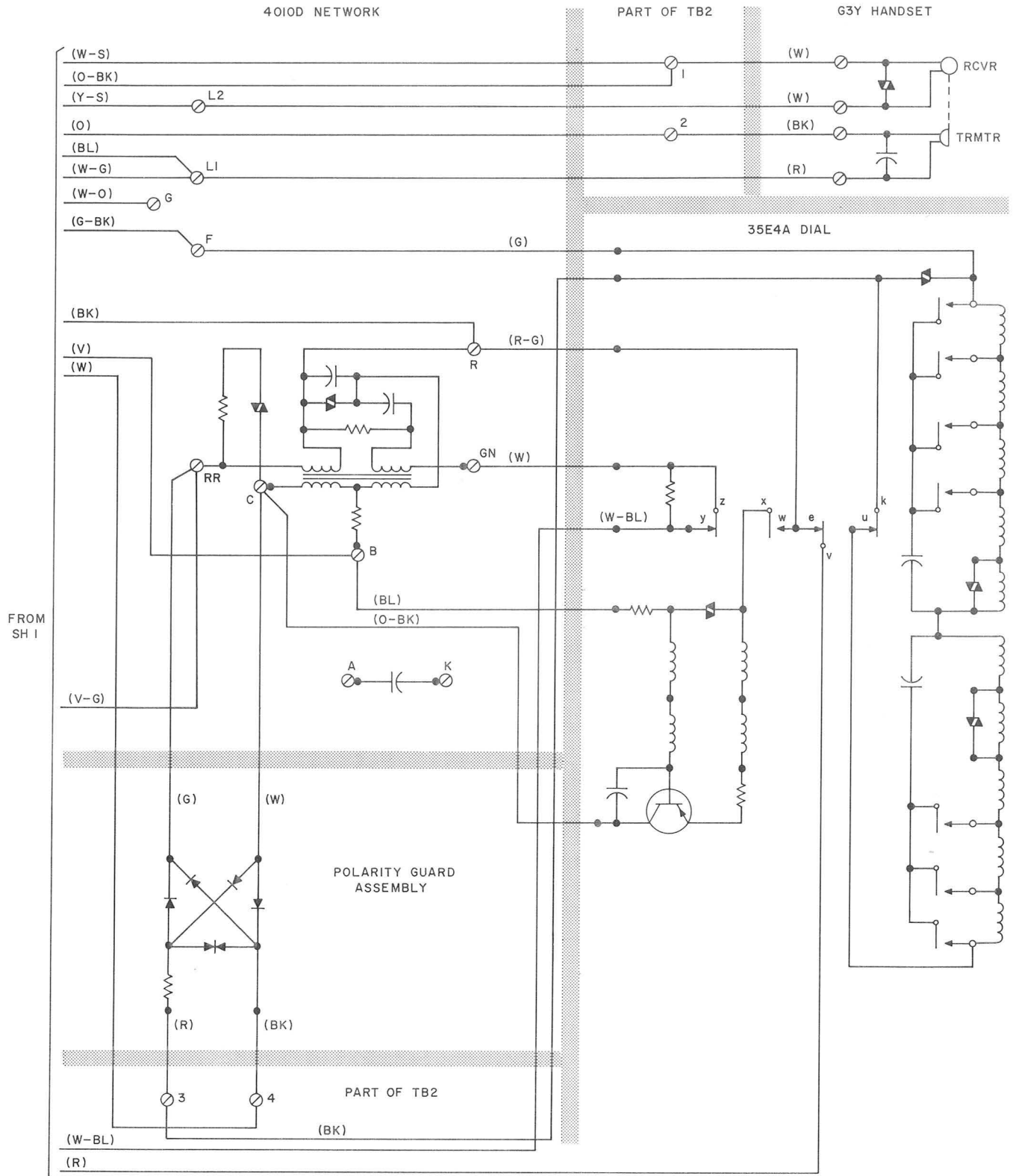


Fig. 2 — 2714A Telephone Set — Wired for 2-Line Pickup, Hold on Line 1, Signaling, and 3-Type Speakerphone (Used Without 1A1 or 1A2 KTS) (Sheet 2 of 2)

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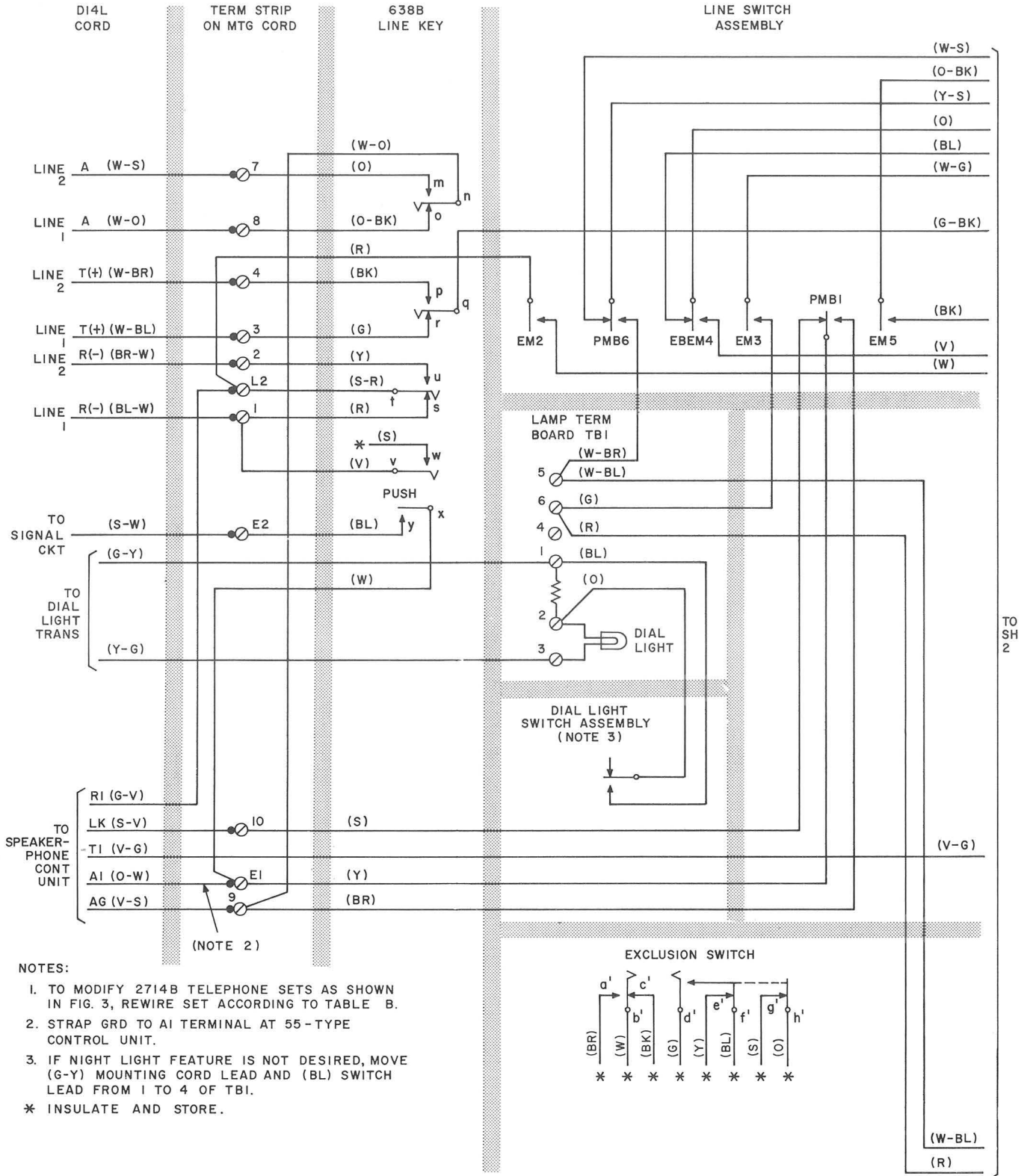


Fig. 3 — 2714A Telephone Set — Wired for 2-Line Pickup, Signaling, and 3-Type Speakerphone (Used With 1A1 or 1A2 KTS) (Sheet 1 of 2)

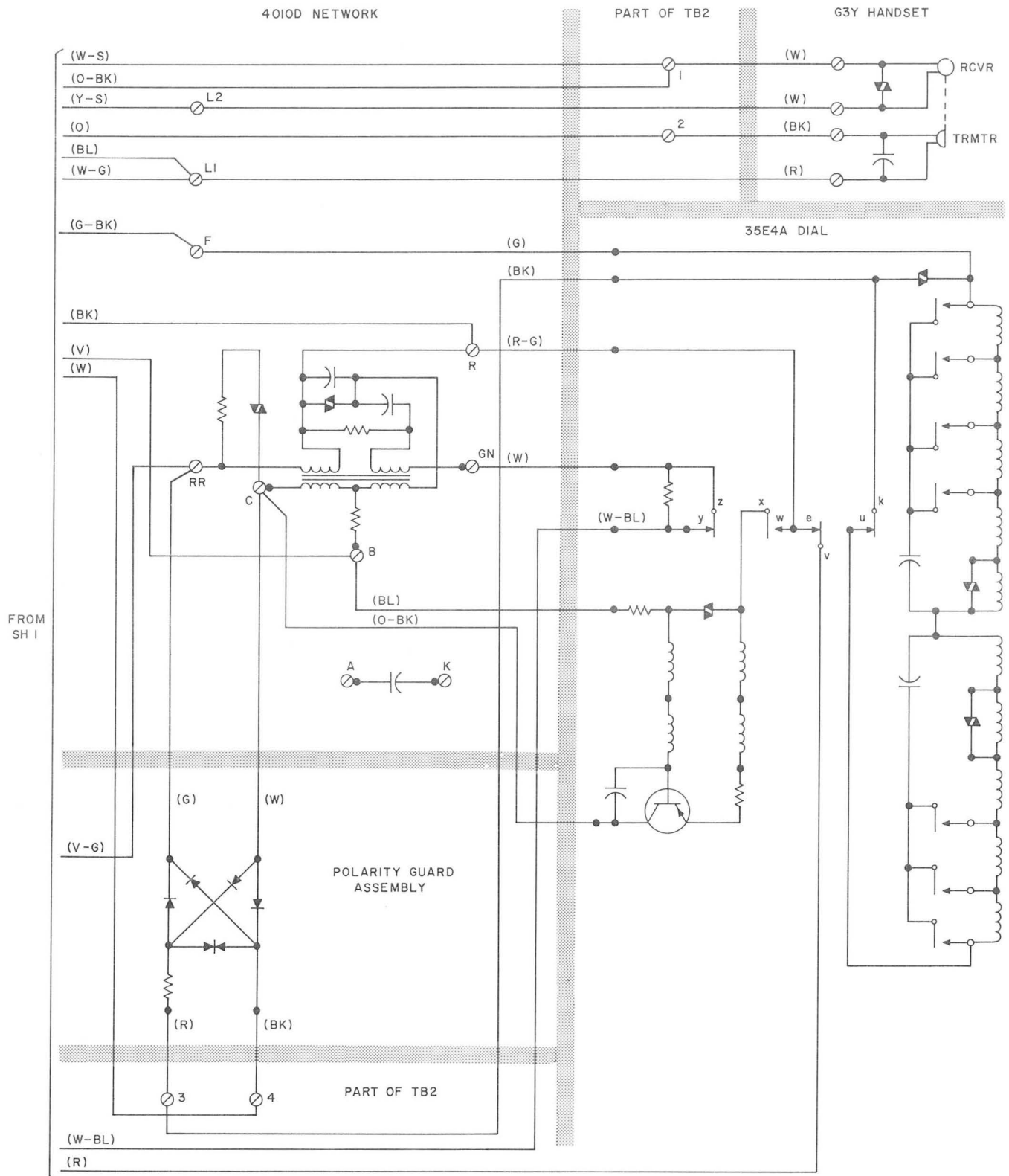


Fig. 3 — 2714A Telephone Set — Wired for 2-Line Pickup, Signaling, and 3-Type Speakerphone (Used With 1A1 or 1A2 KTS) (Sheet 2 of 2)

TABLE A

MODIFICATION FOR 2-LINE PICKUP, HOLD ON LINE 1, SIGNALING,
AND 3-TYPE SPEAKERPHONE
(USED WITHOUT 1A1 OR 1A2 KTS)

WIRE OR LEAD	COLOR	REMOVE FROM		CONNECT TO		INSULATE AND STORE
		MTG CORD TERM. STRIP	NET.	MTG CORD TERM. STRIP	NET.	
Line Switch	(S)			10		
	(Y)		A	E1		
	(BR)		G	9		
Exclusion Switch	(BR)	E1		1		
	(W)	8		3		
	(Y)	1				•
	(BL)	E1				•
	(S)	10				•
	(O)	7				•
638B Key	(W)		A	E1		
D14L Mtg Cord	(V-G)		A		RR	

TABLE B

MODIFICATION FOR 2-LINE PICKUP, SIGNALING, AND 3-TYPE SPEAKERPHONE
(USED WITH 1A1 OR 1A2 KTS)

WIRE OR LEAD	COLOR	REMOVE FROM		CONNECT TO		INSULATE AND STORE
		MTG CORD TERM. STRIP	NET.	MTG CORD TERM. STRIP	NET.	
Line Switch	(S)			10		
	(Y)		A	E1		
	(BR)		G	9		
Exclusion Switch	(BR)	E1				•
	(W)	8				•
	(BK)	3				•
	(Y)	1				•
	(BL)	E1				•
	(S)	10				•
	(O)	7				•
638B Line Key	(W)		A	E1		
	(O)	9		7		
	(O-BK)	10		8		
	(W-O)		G	9		
D14L Mtg. Cord	(V-G)		A		RR	