

## TELEPHONE SETS — 702B

### CONNECTIONS

#### 1. GENERAL

1.01 This section is reissued to:

- Show wiring connection changes on 4010B network.
- Delete connections for 425A tube. When a 425A tube is required, refer to Section 500-112-100.
- Delete 3A speakerphone system connections. For 3A speakerphone connections, refer to Section 512-620-472.

#### 2. CONNECTIONS

##### (a) 702B Telephone Set

- Factory wired for bridged or ring party
- Modifications for tip party identification have been arranged to remove possibility of false billing

##### (b) Ringer

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

##### (c) Selective Ringing (4- or 8-party)

- Obtained by using a 426A tube. A 425A tube is used when inductive noise is excessive.
- Tube requirements are covered in Section 500-114-100.
- When connecting either tube, remove the (S) switch hook lead; insulate and store.

(d) External auxiliary ringer must be provided if common audible ringing is desired when using this set as a line station of 1A1 or 1A2 key telephone systems.

##### (e) Connection Index

Table A — Line and Ringer Connections

Table B — Wiring Changes for 1A1 and 1A2

Table C — Mounting Cord Connections For Selective Ringing

Fig. 1 — 702B Telephone Set, Connections

Fig. 2 — 702B Telephone Set Used With 1A1 and 1A2 Key Telephone Systems

Fig. 3 — Connections For Selective Ringing

**TABLE A**  
**LINE AND RINGER CONNECTIONS**

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
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
Mtg Cord at Set Terminals	R	L2	L2	L2	L2	L2
	G	L1	L1	F	F	F
	Y	G	G	G	G	G
	BK	4†	4†	4†	4†	4†
	W	3†	3†	3†	3†	3†
Ringer Lea's	R	K	K	K	K	K
	BK	G	G	G	G	G
	S	‡	‡	‡	L1	‡
	S-R	‡	‡	‡	‡	L1
Switch Hook	W [S-W]	F	F	B	B	B

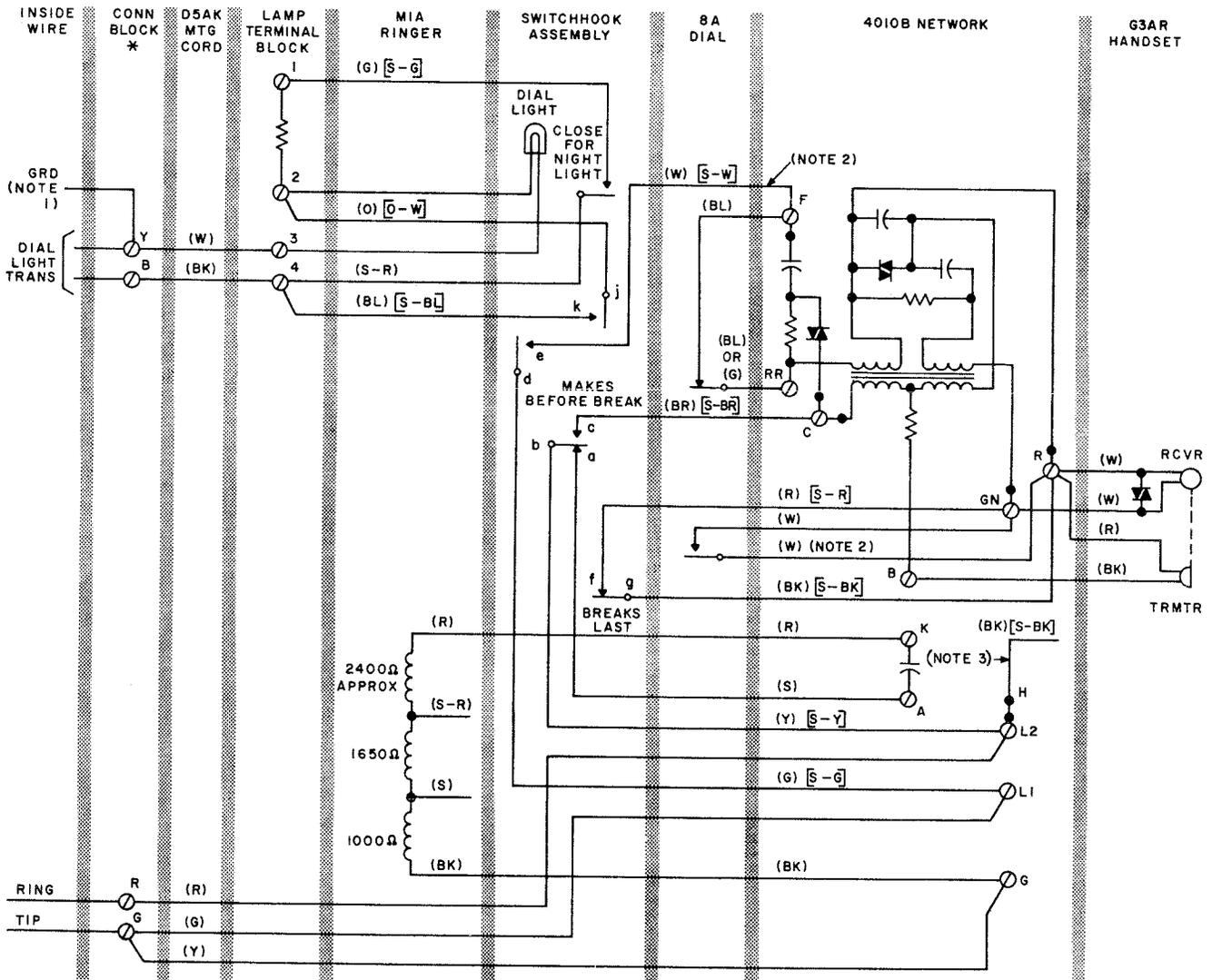
\* Factory-wired for bridged or ring party.

† Terminals on lamp terminal block.

‡ Insulated and stored.

[ ] Indicates MD color code.

**Note:** If [S-BK] or (BK) from **H** on network to terminal **A** is connected remove, insulate, and store for all classes of service in Table A.



NOTES:

1. IF GROUND IS NOT REQUIRED FOR SERVICE, IT CAN BE OMITTED; NOT REQUIRED FOR PROTECTION OF DIAL LIGHT TRANSFORMER.
2. FOR MANUAL SERVICE, MOVE (W) [S-W] SWITCH HOOK LEAD FROM F TO RR TERMINAL AND MOVE (W) DIAL LEAD FROM R TO GN TERMINAL. THE DIAL REMAINS ON THE SET.
3. (BK) [S-BK] FROM H OF NETWORK IS INSULATED AND STORED.

\* FOR PORTABLE INSTALLATIONS WITH BRIDGED RINGING, PLACE YELLOW AND GREEN MOUNTING CORD ON GN TERMINAL OF 283B PLUG. (THIS TERMINAL IS DESIGNATED G ON 505 PLUG.) FOR RING PARTY, PLACE YELLOW AND WHITE MOUNTING CORD LEAD ON Y TERMINAL OF 283B OR 505A PLUG. OTHER MOUNTING CORD LEADS SHOULD BE WIRED ACCORDING TO TABLE A.

( ) INDICATES CURRENT COLOR CODE.

[ ] INDICATES MD COLOR CODE.

Fig. 1 — 702B Telephone Set, Connections

SECTION 502-710-403

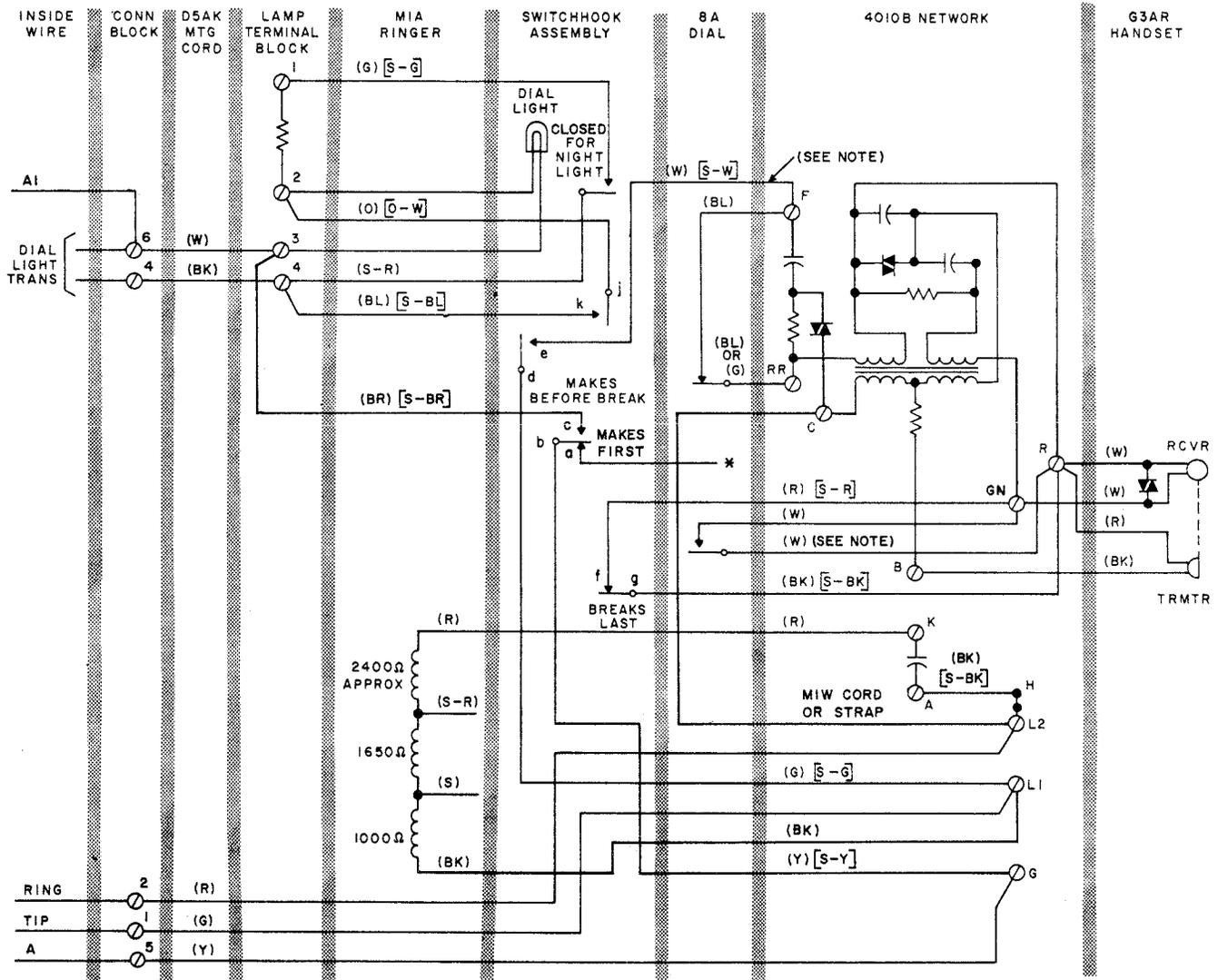


TABLE B  
WIRING CHANGES FOR 1A1 AND 1A2

LEAD OR CONDUCTOR	BK	FROM	TO
RINGER	BK	G	L1
SWITCH HOOK	S	A	INSULATE AND STORE
	[S-Y] (Y)	L2	G
	[S-BR] BR	C	3
STRAP		L2	C
NETWORK	[S-BK] (BK)	*	A

NOTE:

FOR MANUAL SERVICE, MOVE (W) [S-W] SWITCH HOOK LEAD FROM F TO RR TERMINAL, AND MOVE (W) DIAL LEAD FROM R TO GN TERMINAL. THE DIAL REMAINS ON THE SET.

\* INSULATE AND STORE.

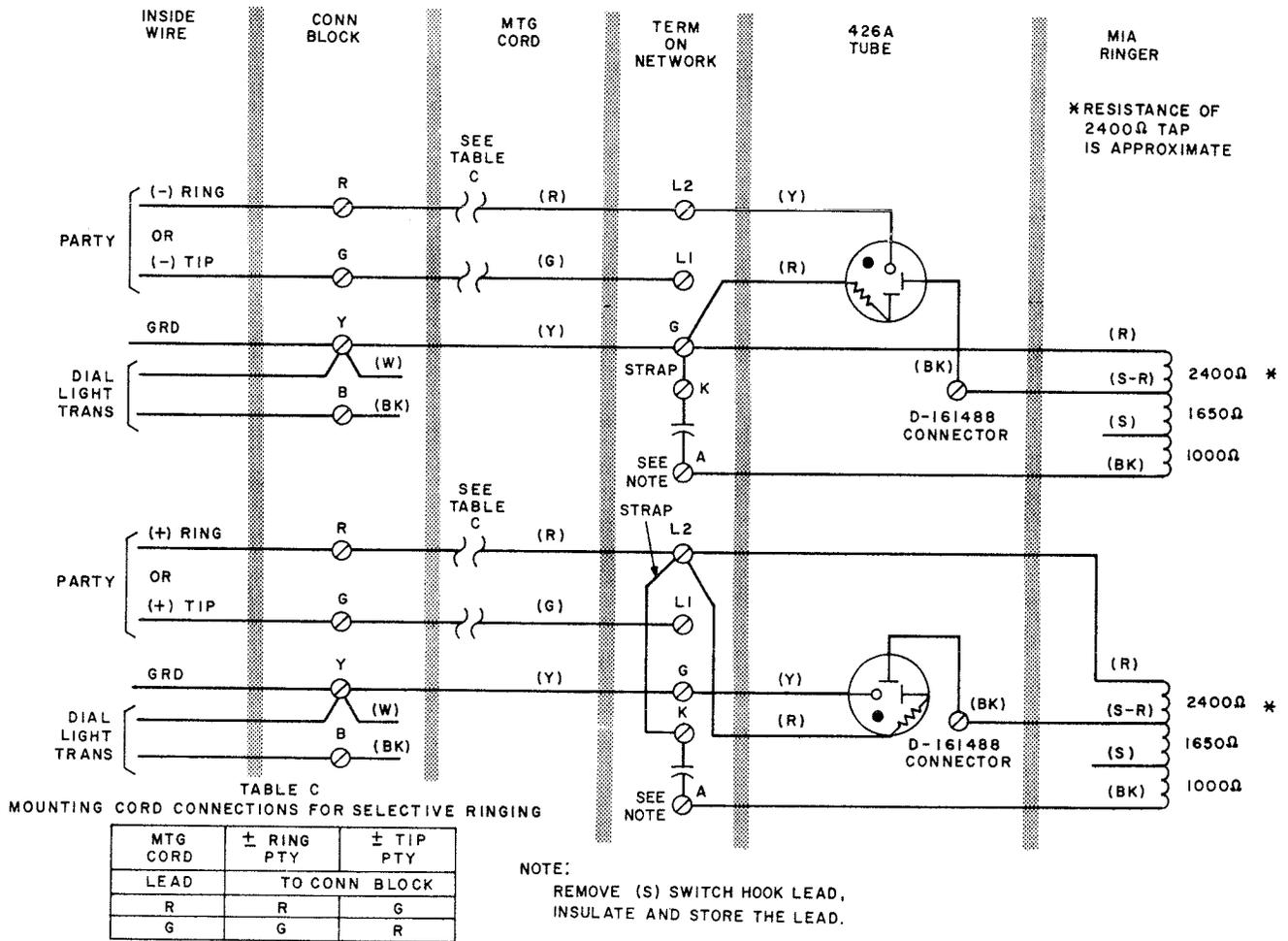
() INDICATES CURRENT COLOR CODE.

[] INDICATES MD COLOR CODE.



*To prevent false holding condition when handset is restored, switch contacts de must break before cb break.*

Fig. 2 — 702B Telephone Set Used With 1A1 and 1A2 Key Telephone Systems



**Fig. 3 — Connections For Selective Ringing**