

HAND TELEPHONE SETS — 220A, 1220A, AND 2220B

TELEPHONE BASES — AC1 AND AD1



CONNECTIONS

1. GENERAL

1.01 This section is reissued to:

- Add 2220B Hand Telephone Set
- Add P-90D231 Polarity Guard Assembly
- Add D5AN Mounting Cord (AD1 Base)
- Add 426N Diode (Fig. 1)
- Revise Tables

Since this reissue covers a general revision, arrows ordinarily used to indicate changes have been omitted.

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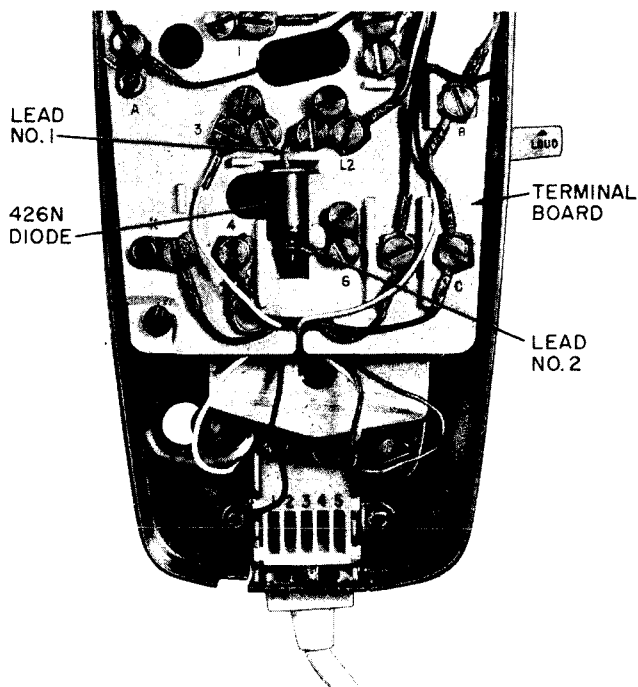


Fig. 1 — 426N Diode, Installed

TABLE A
AC1 (WALL) TELEPHONE BASE CONNECTIONS FOR
INDIVIDUAL AND 2-PARTY SERVICE

WIRE OR LEAD		COLOR	INDIVIDUAL OR BRIDGED	RING PARTY	TIP PARTY	
					NO IDENT GROUND	WITH IDENT GROUND (NOTE 1)
Inside Wire	Ring	R	L2	L2	L1	L1
	Tip	G	L1	L1	L2	L2
	GRD	Y	3	3	3	3
	TRNSF	BK	1	1	1	1
Ringer Leads (Note 2)		R	K	K	K	K
		BK	L1	3	3	3
		BL	B	B	B	B
Handset Cord Jack (1220A and 2220B only)		R	C	C	F	F
		G	F	F	C	C

Notes:

1. Same connections used for either 1000 or 2650 ohm Central Offices. For tip party identifying ground — 1000Ω or 2650Ω use H5AA cord.
2. To permanently silence ringer; move (R) ringer lead from K to G on terminal board. For tip party identification (BK) ringer lead must remain on 3 of terminal board.

TABLE B
AD1 (DESK) TELEPHONE BASE CONNECTIONS FOR
INDIVIDUAL AND 2-PARTY SERVICE

WIRE OR LEAD		COLOR	INDIVIDUAL OR BRIDGED	RING PARTY	TIP PARTY	
					NO IDENT GROUND	WITH IDENT GROUND (NOTE 1)
Inside Wire at Conn Block	Ring	R	R	R	R	R
	Tip	G	G	G	G	G
	GRD	Y	Y	Y	Y	Y
	TRNSF	R	Y	Y	Y	Y
		G	B	B	B	B
Mtg Cord at Conn Block		R	R	R	G	G
		G	G	G	R	R
		Y	G	Y	Y	Y
		BK	B	B	B	B
		W	Y	Y	Y	Y
Mtg Cord in Tel Base		R	L2	L2	L2	L2
		G	L1	L1	L1	L1
		Y	G	G	G	G
		BK	1	1	1	1
		W	3	3	3	3
Ringer Leads (Note 2)		R	K	K	K	K
		BK	G	G	G	G
		BL	B	B	B	B
Handset Cord Jack (1220A and 2220B only)		R	C	C	F	F
		G	F	F	C	C

Notes:

1. Same connections used for either 1000 or 2650 ohm Central Offices. For tip party identifying ground — 1000Ω or 2650Ω use H5AA cord.
2. To permanently silence ringer; move (R) ringer lead from K to G on terminal board. For tip party identification (BK) ringer lead must remain on G of terminal board.

TABLE C
CONVERSION FOR USE WITH 1A1,
1A2, AND 6A KTS

LEAD		COLOR	TERMINAL BOARD	
			FROM	TO
Line Switch		BR	C	G
		S	A	L2
		Y	L2	3
Ringer	AC1	BK	L1	C
	AD1	BK	G	C
Mtg Cord or IW		R	L2	C
Capacitor Strap		BK	A	L1

TABLE D
P-90D231 POLARITY GUARD ASSEMBLY
CONNECTIONS (AC1 OR AD1 TELEPHONE BASE)

WIRE OR LEAD	COLOR	REMOVE FROM	CONNECT TO	
		TERMINAL BOARD	POLARITY GUARD ASSEMBLY	TERMINAL BOARD
Handset Cord Jack	R	C	Term. R	
	G	F	Term. T	
Polarity Guard Assembly	R			C
	G			F

Note: For use with 1220A and 2220B hand telephone set when specified by local instructions for end-to-end signaling installations.

TABLE E
CONNECTIONS FOR 4-PARTY FULL SELECTIVE OR 8-PARTY SEMISELECTIVE RINGING USING 426N DIODE

PARTY		LEADS OR COLOR	— RING	— TIP		+ RING	+ TIP	
Line Wire Conn at Conn Block	Ring	R	R	R		R	R	
	Tip	G	G	G		G	G	
	GRD	Y	Y	Y		Y	Y	
Dial Light Transformer Leads		1	Y	Y		Y	Y	
		2	B	B		B	B	
Mtg Cord at Conn Block		R	R	G		R	G	
		G	G	R		G	R	
		Y	Y	Y		Y	Y	
		W	Y	Y		Y	Y	
		BK	B	B		B	B	
Mtg Cord or Inside Wire at Term. Board		R	L2	L2	L1*	L2	L2	L1*
		G	L1	L1	L2*	L1	L1	L2*
		Y	3	3		3	3	
		W	3	3		3	3	
		BK	1	1		1	1	
426N Diode †		①	L2	L2		3	3	
		②	G	G		G	G	
Ringer Leads		BK	K	K		K	K	
		R	3	3		L2	L2	
		S	‡	‡		‡	‡	
		S-R	G	G		G	G	
		BL	B	B		B	B	
Strap From A		BK	3	3		L2	L2	
Line Switch		S	‡	‡		‡	‡	

* Connections for AC1 base (Wall)

‡ ① Flanged (Gold) base installed in enlarged part of opening, see Fig. 1.

② Knob end (housing tip).

‡ Insulate and store.

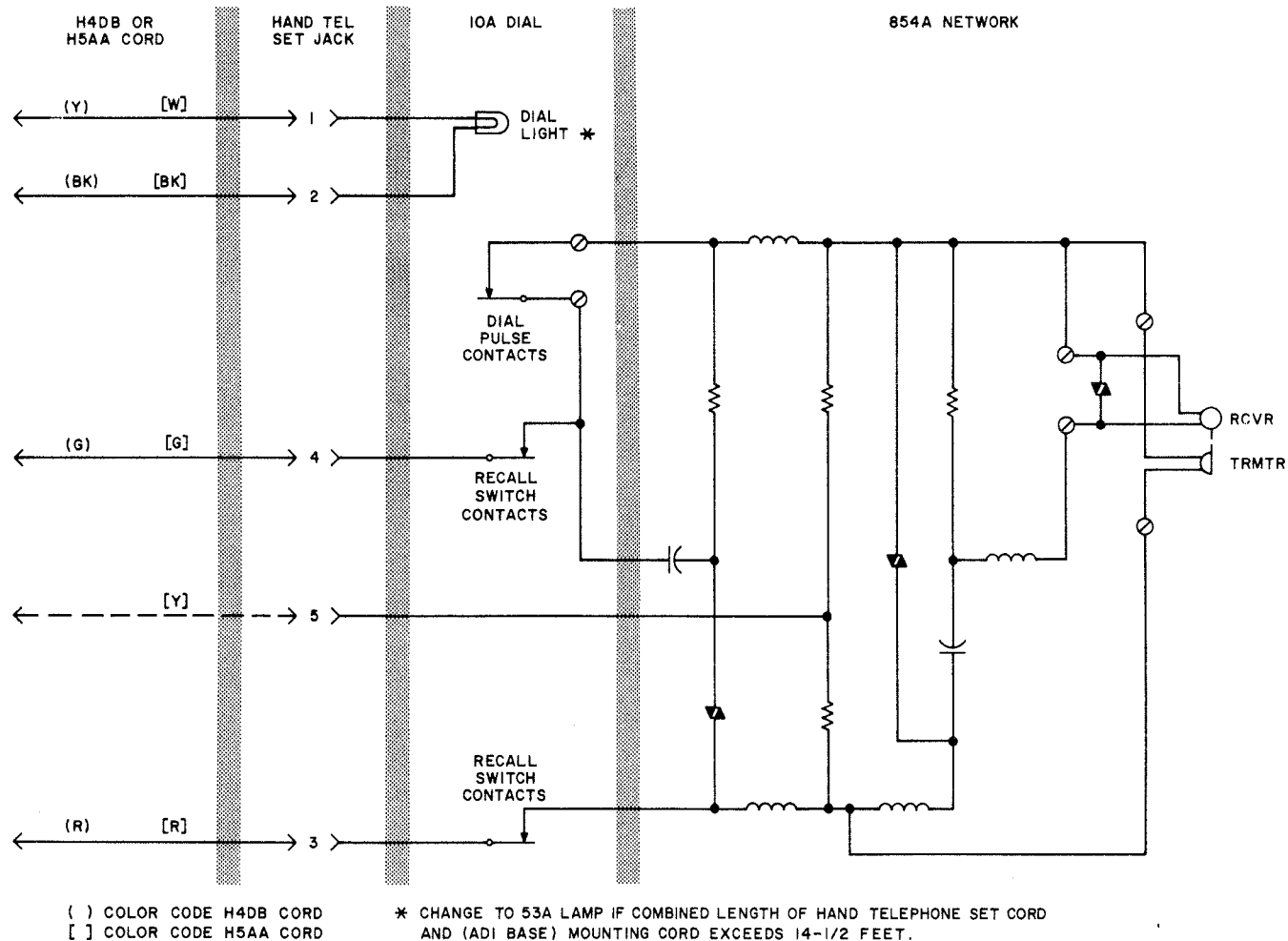


Fig. 2 — 220A Hand Telephone Set, Connections

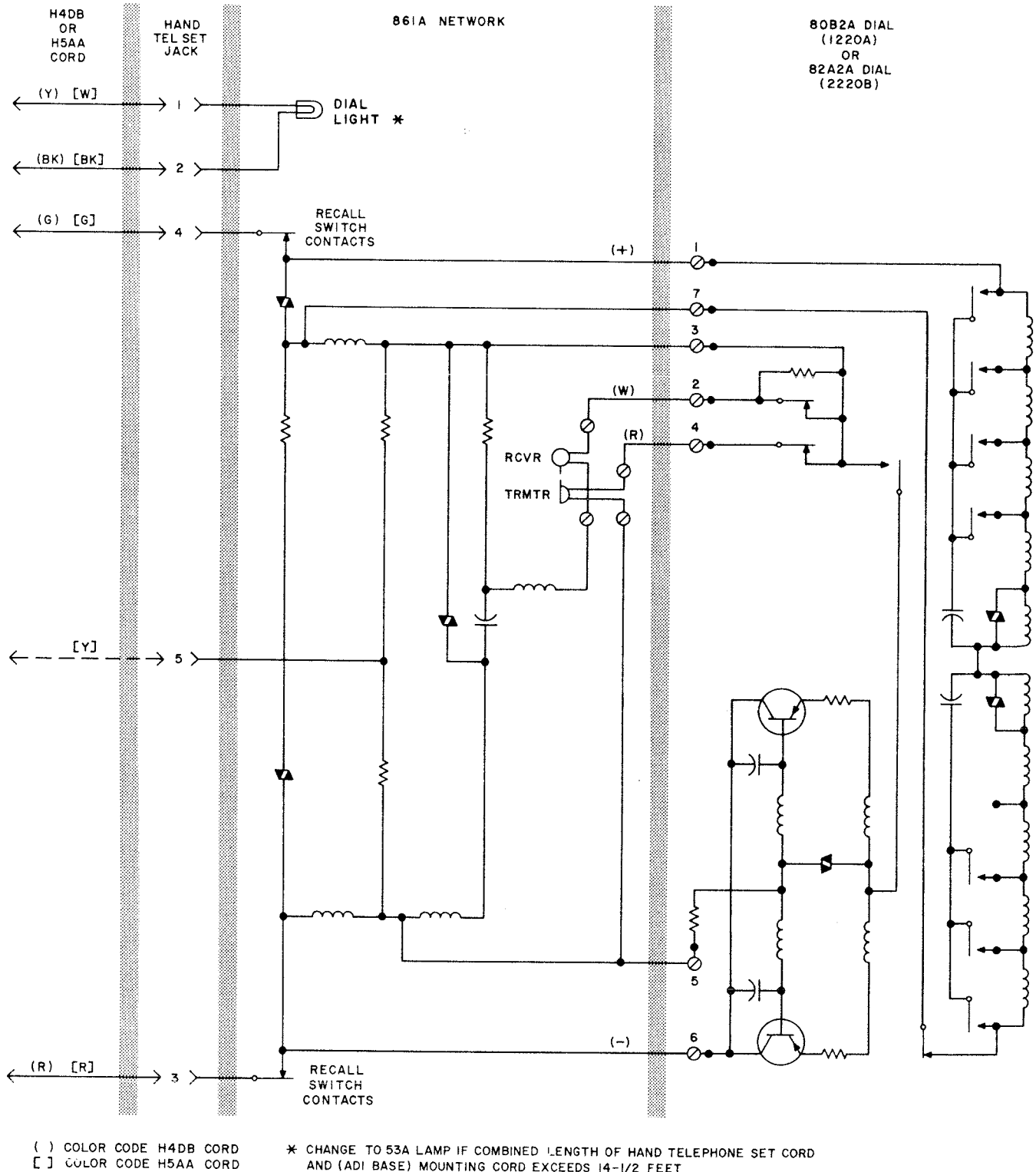


Fig. 3 — 1220A and 2220B Hand Telephone Set, Connections

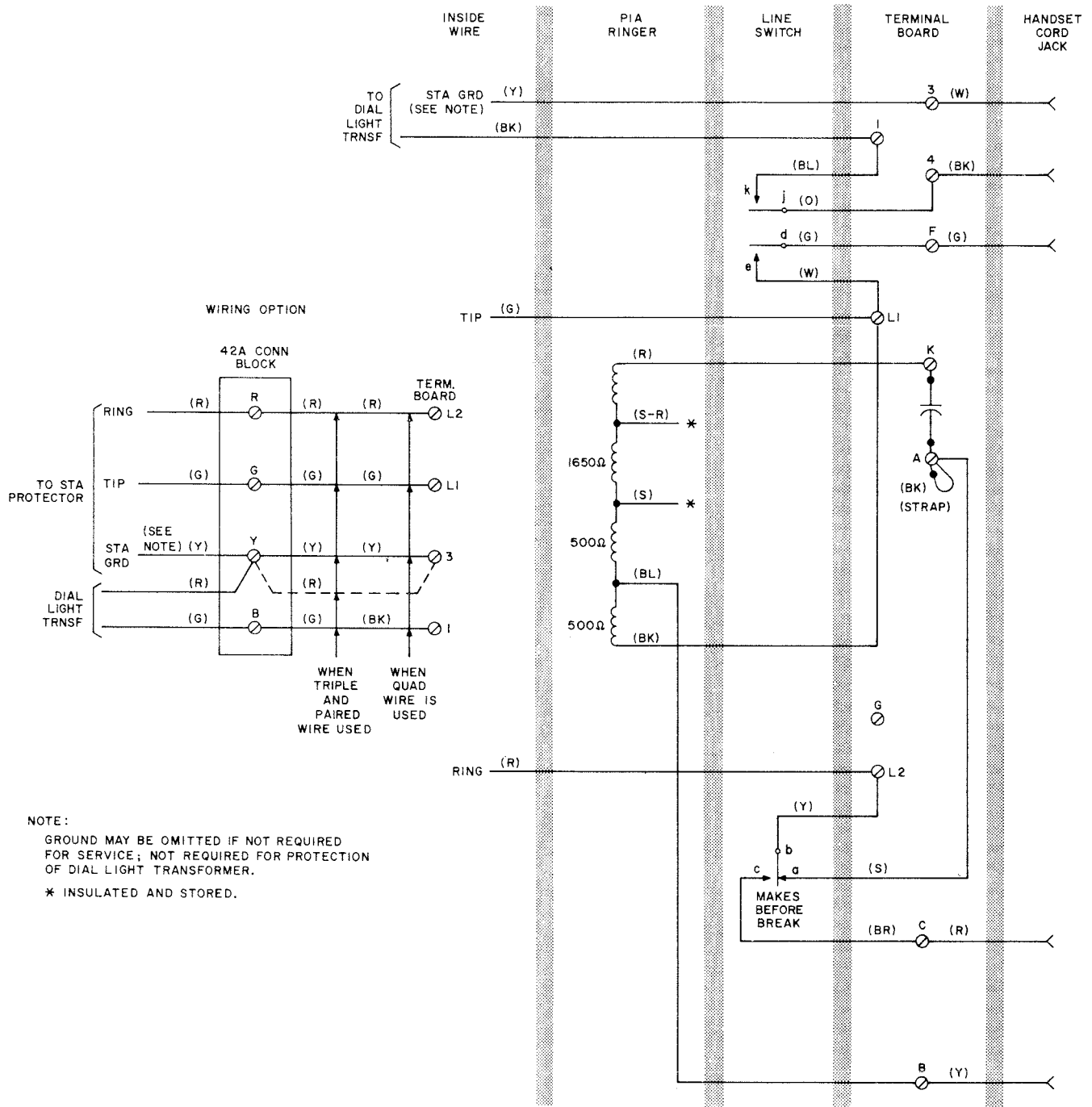
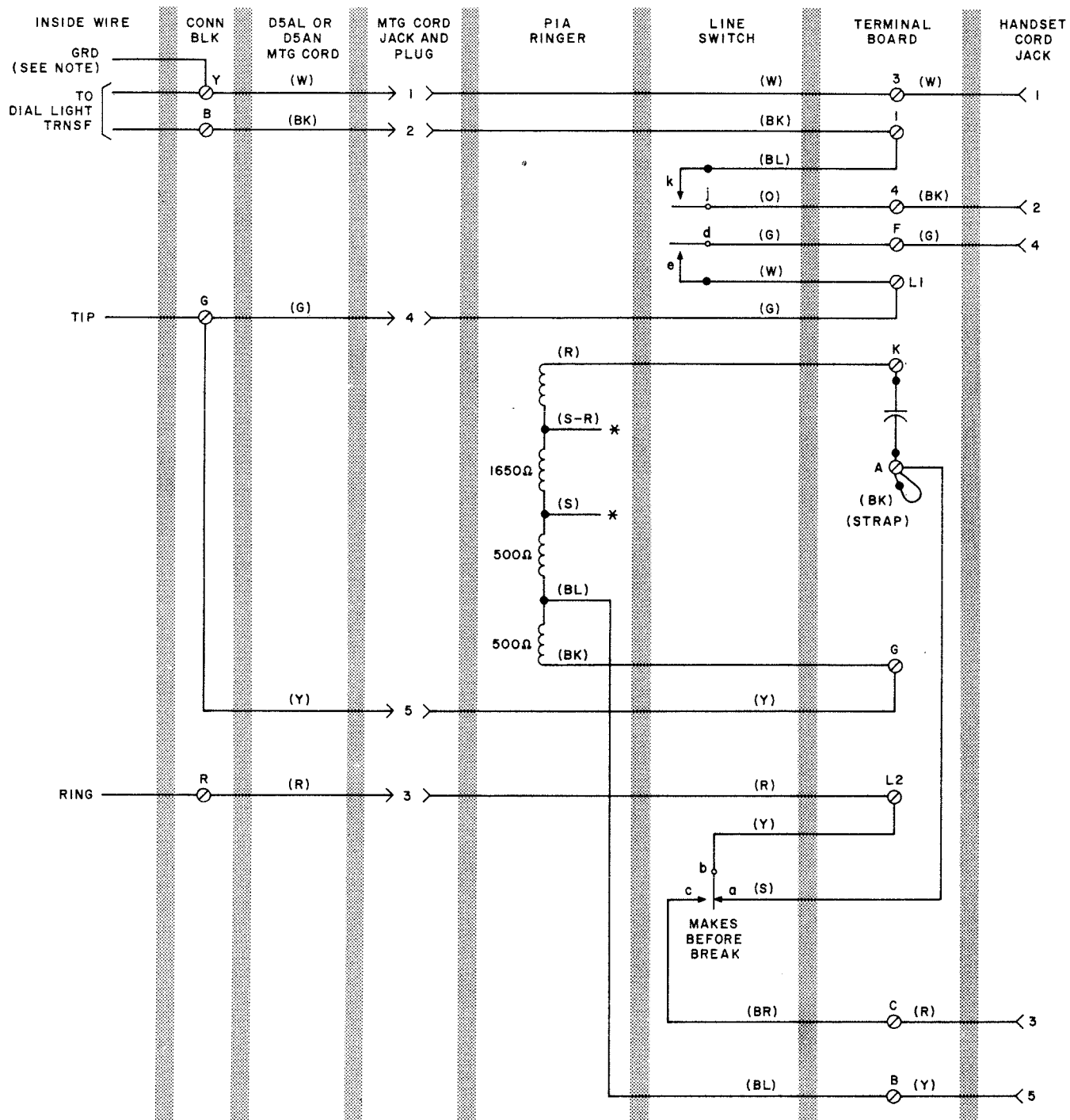


Fig. 4 — AC1 Telephone Base, Connections



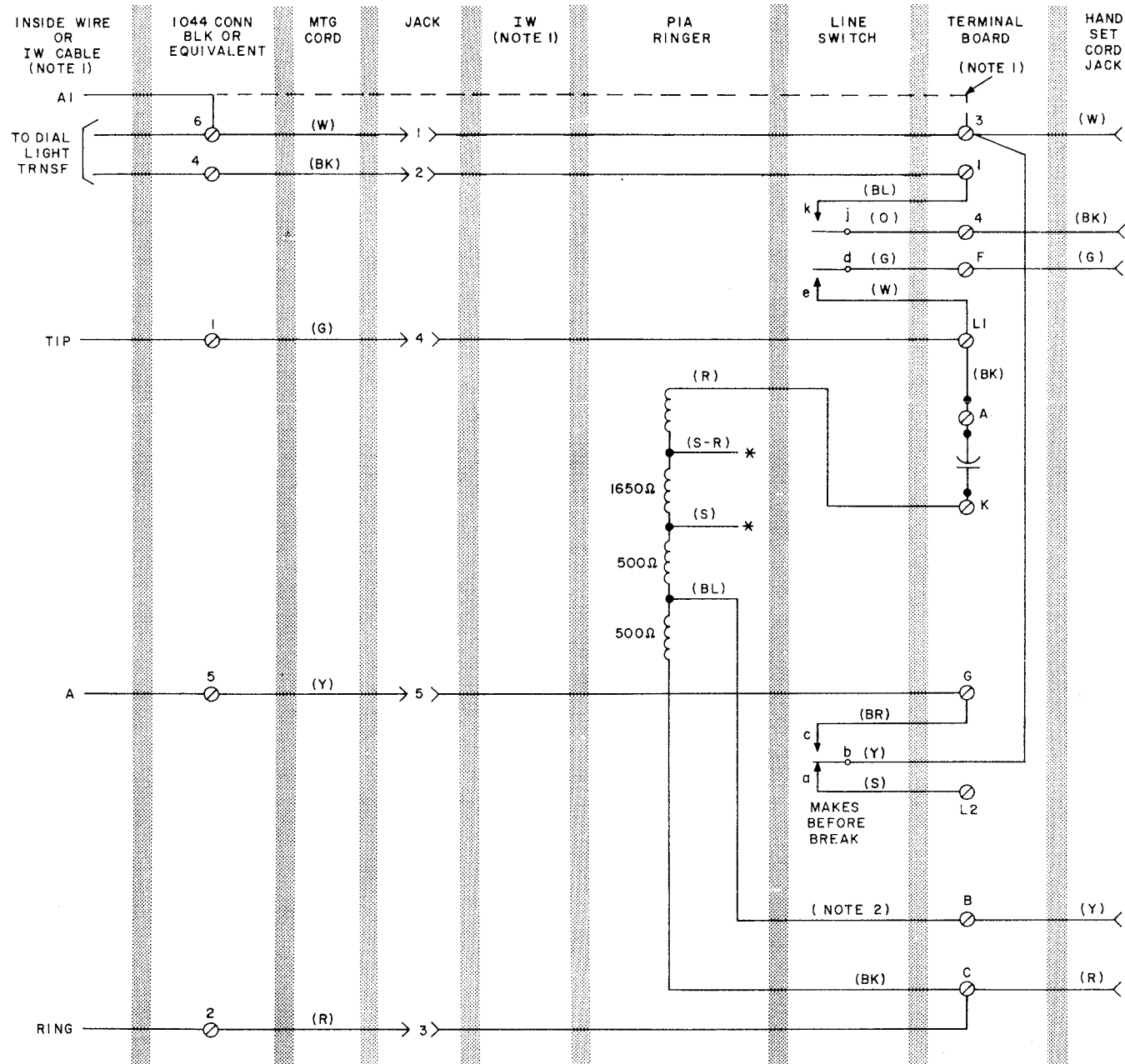
NOTE:

GROUND MAY BE OMITTED IF NOT REQUIRED FOR SERVICE; NOT REQUIRED FOR PROTECTION OF DIAL LIGHT TRANSFORMER.

* INSULATED AND STORED.

Fig. 5 — AD1 Telephone Base, Connections

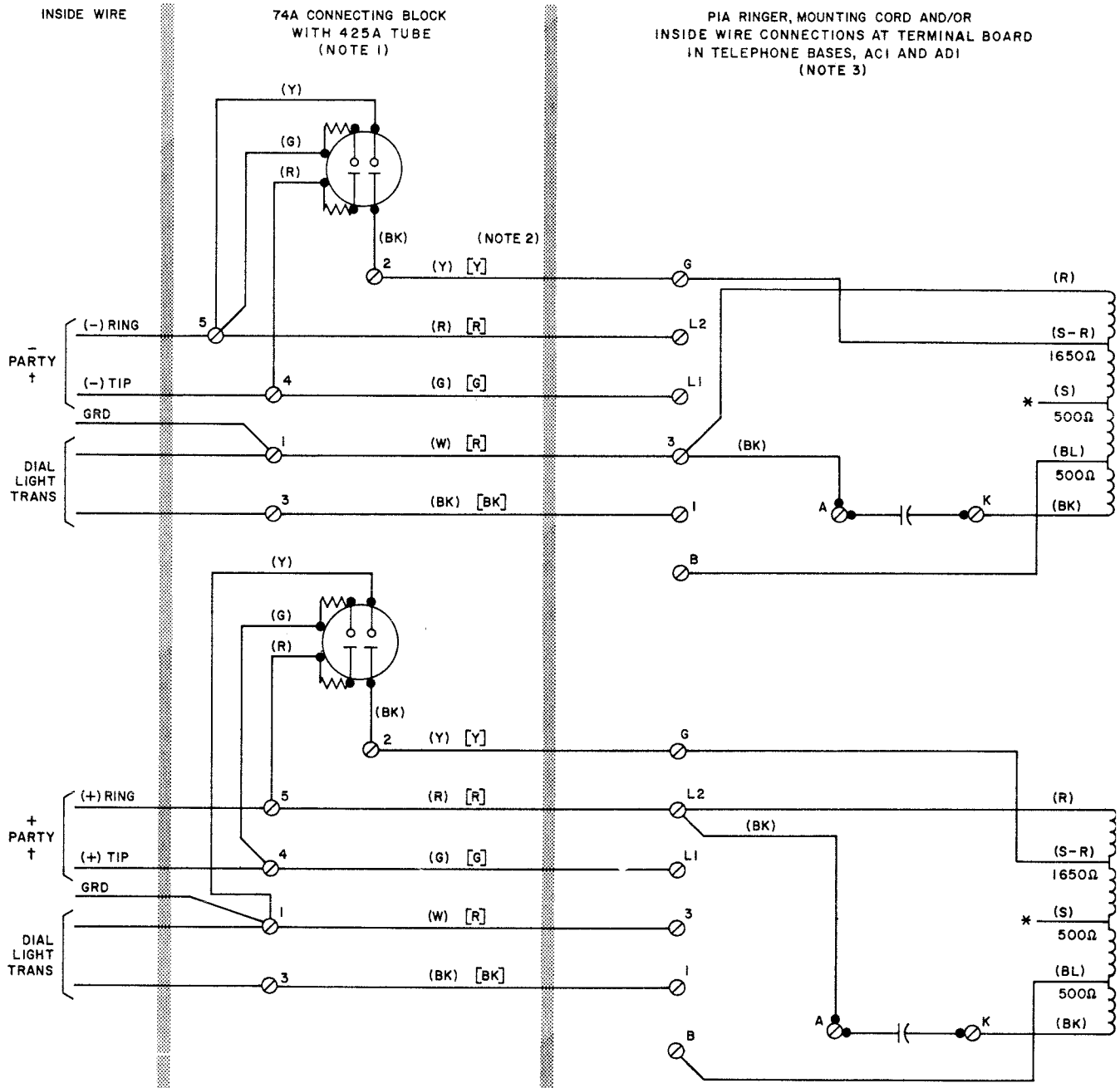
SECTION 502-321-400



NOTES:

1. RUN INSIDE WIRE DIRECTLY TO TERMINAL BOARD WHEN ACI BASE IS USED AND TO CONNECTING BLOCK WHEN ADI BASE IS USED.
 2. DISCONNECT (BL) LEAD FROM TERMINAL B WHEN H5AA CORD IS USED, INSULATE AND STORE.
- * INSULATED AND STORED.

Fig. 6 — AC1 and AD1 Telephone Bases, Connections For 1A1, 1A2, and 6A Key Telephone Systems



NOTES:

- () - MOUNTING CORD CONDUCTORS
[] - INSIDE WIRE CONDUCTORS
* - INSULATED AND STORED.
† - FOR TIP STATION-REVERSE
RING AND TIP LEADS AT
CONNECTING BLOCK.

1. FIVE CONDUCTORS REQUIRED BETWEEN 74A CONNECTING BLOCK AND TELEPHONE SET
2. TWO INSIDE WIRES ARE REQUIRED; ONE QUAD AND ONE PAIRED OR TWO TRIPLES.
3. DISCONNECT (S) LINE SWITCH LEAD FROM A OF TERMINAL BOARD, INSULATE AND STORE.

Fig. 7 — 74A Connecting Block and Ringer, Connections For Extreme Inductance Interference