

HAND TELEPHONE SETS — 220A, 1220A, AND 2220B  
TELEPHONE BASES — AC1 AND AD1

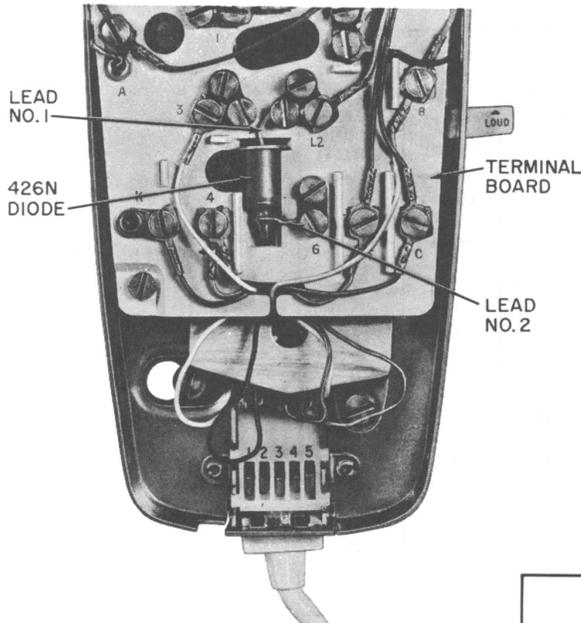


Fig. 1 — 426N Diode, Installed

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	L1	L1
	Tip	G	L1	L2	L2
	GRD	Y	3	3	3
	TRNSF	BK	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

~~STROKE BLUE RINGER LEAD ALL CLASSES OF SWG~~  
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.

~~FOR 2650Ω IDENT GND THE SWG RINGER LEAD~~  
~~TO B~~  
\*STROKE BLUE RINGER LEAD

**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	
	Tip	G	G	G	G	
	GRD	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	3	3
		W	3	3	3	3	3	3
		BK	1	1	1	1	1	1
426N Diode †		①	L2	L2	3	3	3	
		②	G	G	G	G	G	
Ringer Leads		BK	K	K	K	K	K	
		R	3	3	L2	L2	L2	
		S	‡	‡	‡	‡	‡	
		S-R	G	G	G	G	G	
		BL	B	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.

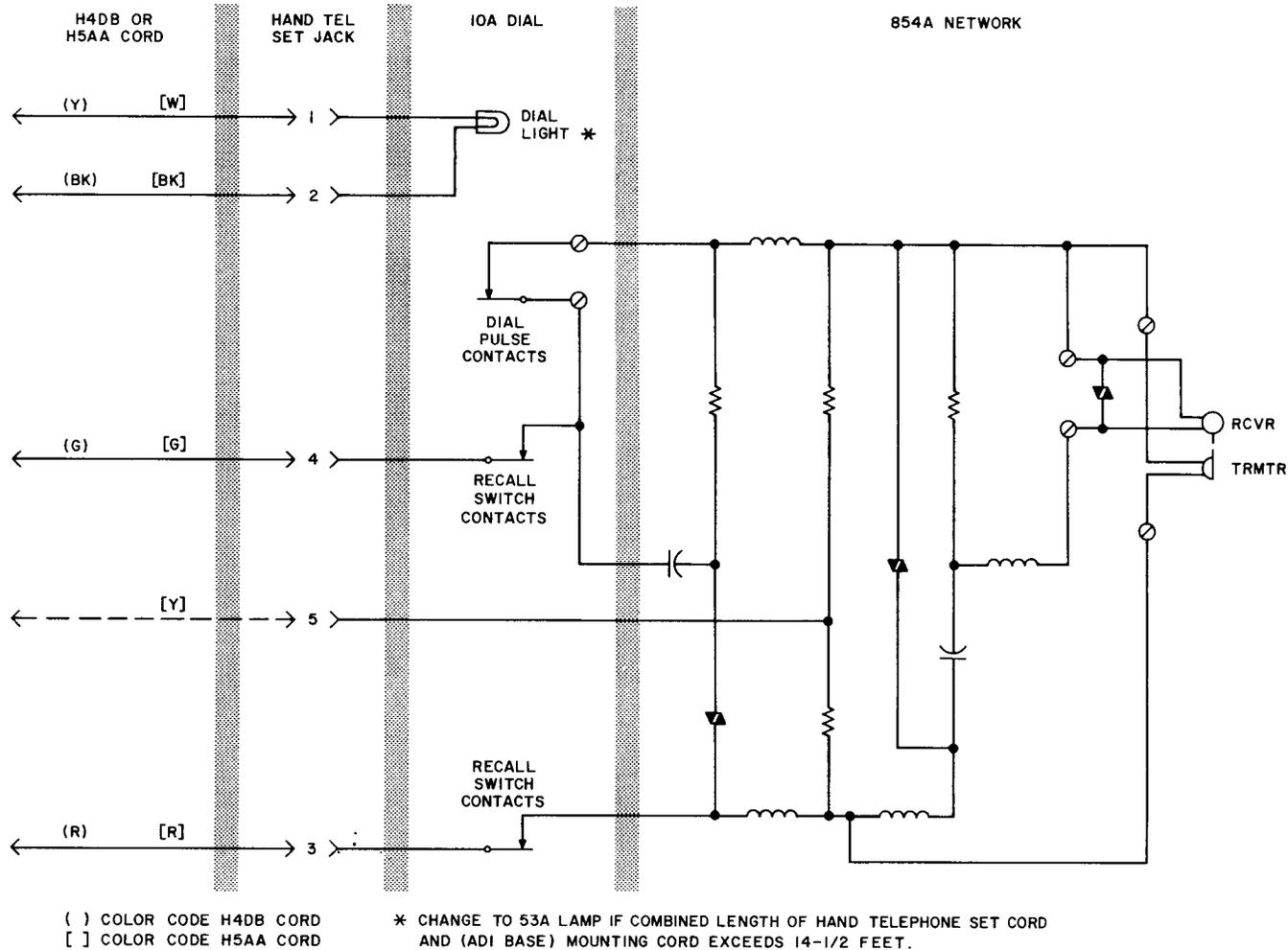


Fig. 2 — 220A Hand Telephone Set, Connections

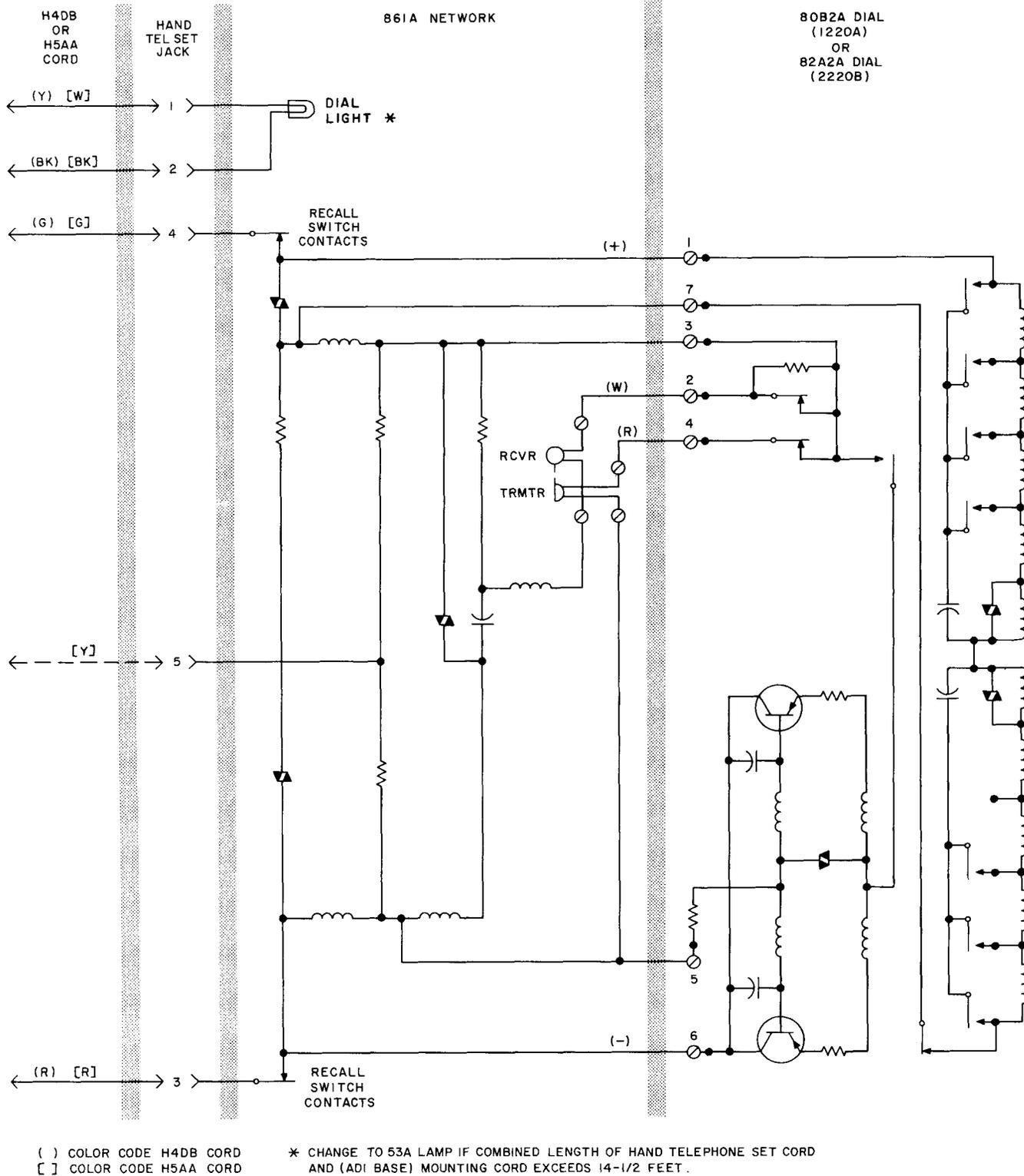
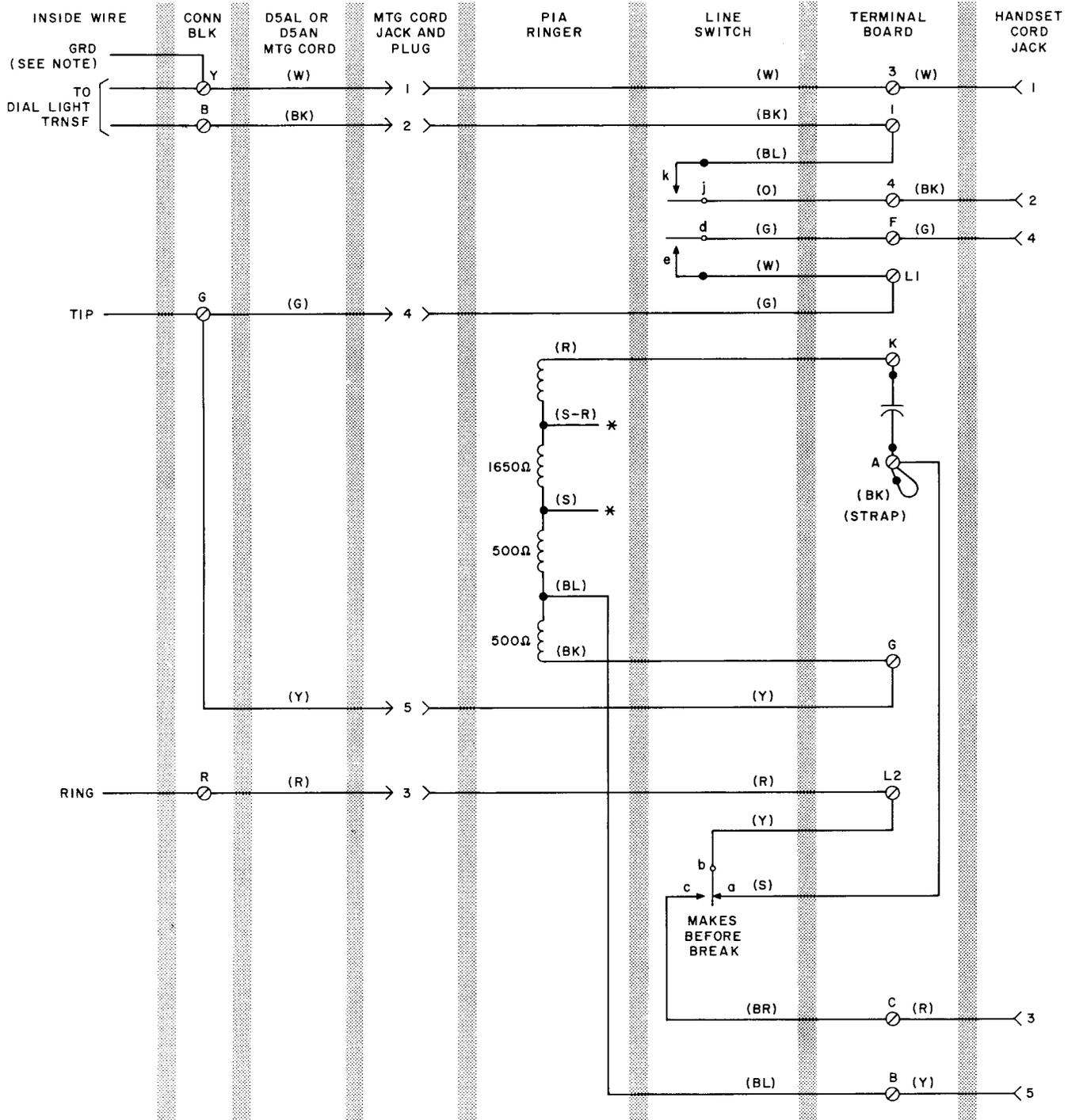


Fig. 3 — 1220A and 2220B Hand Telephone Set, Connections



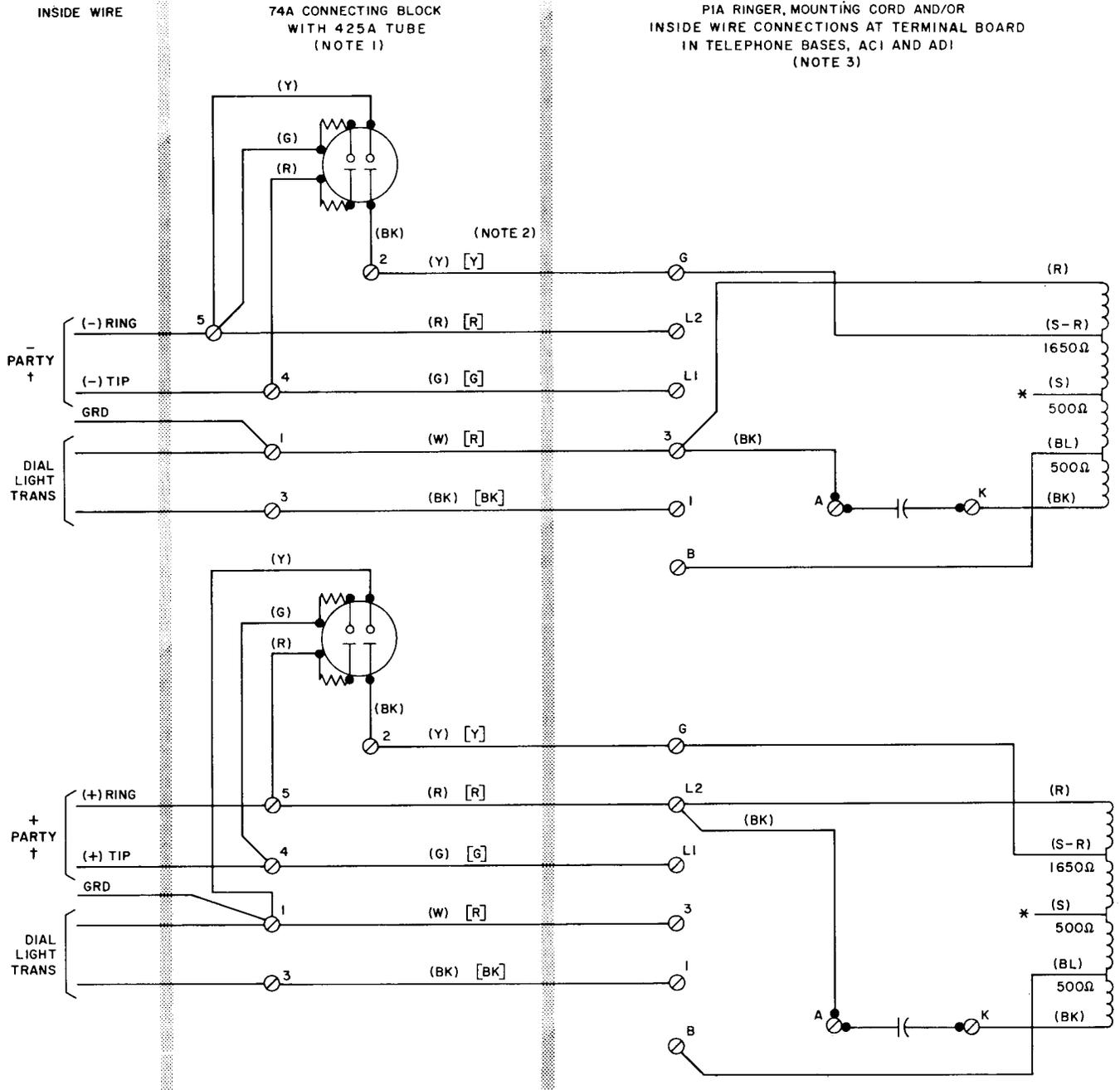
SECTION 502-321-400



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



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

NOTES:

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