

**TELEPHONE SETS—500R AND 500S**  
**SPEAKERPHONE SYSTEM**  
**CONNECTIONS**

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

Wire or Lead		Individual or Bridged		Ring Party		Tip Party No Ident Ground		Tip Party Ident Ground*											
								Normal Connections (Note 1)				Ringer Reversal When Connected to Long Line Equip. (Note 1)				To Silence Ringer Permanently			
								1000Ω		2650Ω		1000Ω		2650Ω		1000Ω		2650Ω	
								Dial	Man.	Dial	Man.	Dial	Man.	Dial	Man.	Dial	Man.	Dial	Man.
Mounting Cord in Set†	[G] (W-BL)	G	G	F	E2	F	E2	F	E2	F	E2	F	E2	F	E2	F	E2	F	E2
Strap (G) Lead from G Terminal on Network to		F	E2	E1	E1	E1	E1	E1	E1	E1	E1	E1	E1	E1	E1	E1	E1	E1	E1
Ringer Leads	R	L2	L2	L2	L2	L2	L2	K	B	B	G	K	B						
	BK	G	G	G	G	G	G	B	B	K	G	K							
	S	K	K	K	K	K	B	K	G	B	B	K							
	S-R	A	A	A	A	A	B	G	K	B	K	G							
Mounting Cord at Connecting Block† (Line Only)	[R] (G-W)	Ring	Ring	Tip	Tip	Tip	Tip	Tip	Tip	Tip	Tip	Tip							
	[G] (W-BL)	Tip	Tip	Ring	Ring	Ring	Ring	Ring	Ring	Ring	Ring	Ring							
	[BR-G] (BL-W)	Ring	Ring	Tip	Tip	Tip	Tip	Tip	Tip	Tip	Tip	Tip							
Switchhook Lead in Set	[S-BR] (W-S)	Term. 2	Term. 2	Term. 2	Term. 2	Term. 2	A of Network	A of Network	A of Network	A of Network	A of Network	A of Network							

**Note 1:** Use normal connections on tip party identification ground stations. If bell taps on stations connected to long line equipment, use ringer reversal column in Table A to retain tip party identification.

\* Tip party identification connections can be made using long line equipment in a No. 5 crossbar central office ONLY if SD-26129 long line equipment is used, or in any type office ONLY if SD-96588 long line equipment is used.

† Only the optional mounting cord leads are shown in the table. Connections for the remaining mounting cord leads are shown in Fig. 1.

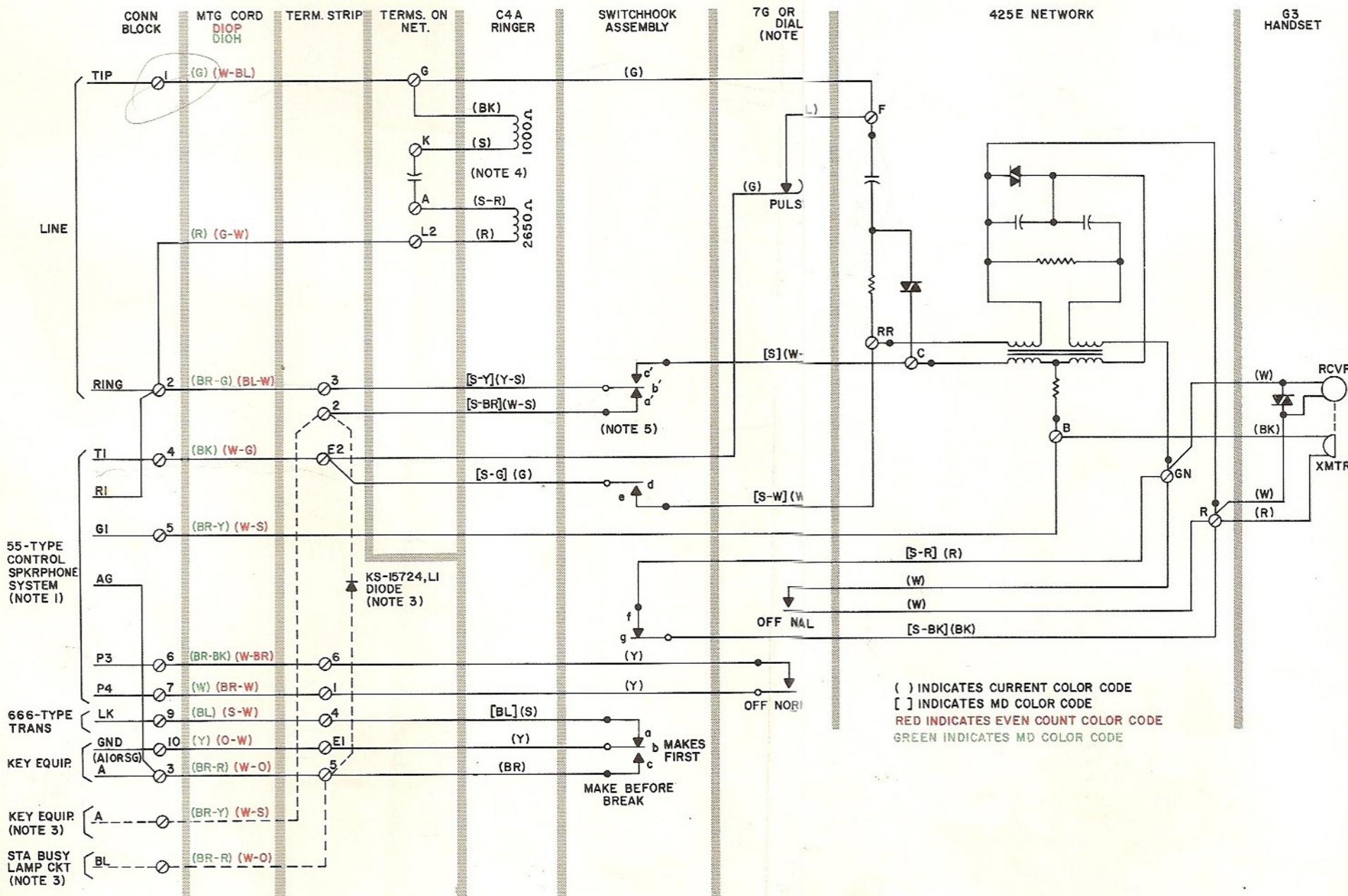


Fig. 1 — 500R, S Telephone Sets, Connections

NOTE 1: FOR CONNECTIONS TO SPEAKERPHONE SYSTEMS REFER TO APPROPRIATE SECTION.

NOTE 2: FOR MANUAL SERVICE, REPLACE DIAL WITH APPARATUS BLANK. REFER TO TABLE A FOR LEAD CHANGES.

NOTE 3: USE DOTTED LINE CONNECTIONS WHEN A AND A1 CONTROL LEADS AND STATION BUSY LAMP CIRCUIT ARE USED TOGETHER. REMOVE [S-BR] (W-S) SWITCHHOOK LEAD FROM TERM. 2 AND INSULATE. TRANSFER [BR-Y] (W-S) MTG. CORD LEAD TO TERM. 2 AND INSTALL KS-15724, L1 DIODE AS SHOWN.

a. IF TIP PARTY IDENTIFICATION IS REQUIRED, USE [BR-Y] (W-S) MOUNTING CORD LEAD TO PROVIDE TIP PARTY IDENTIFICATION WHEN ON SPEAKERPHONE.

NOTE 4: USE NORMAL CONNECTIONS ON TIP PARTY IDENT. GROUND STATIONS. IF BELL TAPS ON STATIONS CONNECTED TO LONG LINE EQUIPMENT, USE RINGER REVERSAL COLUMN IN TABLE A TO RETAIN TIP PARTY IDENT.

NOTE 5: SWITCHHOOK CONTACT SEQUENCE ON REMOVING HANDSET IS AS FOLLOWS:

- (1.) bc CLOSE
- (2.) de AND d'c' CLOSE
- (3.) ab AND a' b' OPEN
- (4.) fg OPENS

( ) INDICATES CURRENT COLOR CODE  
 [ ] INDICATES MD COLOR CODE  
 RED INDICATES EVEN COUNT COLOR CODE  
 GREEN INDICATES MD COLOR CODE