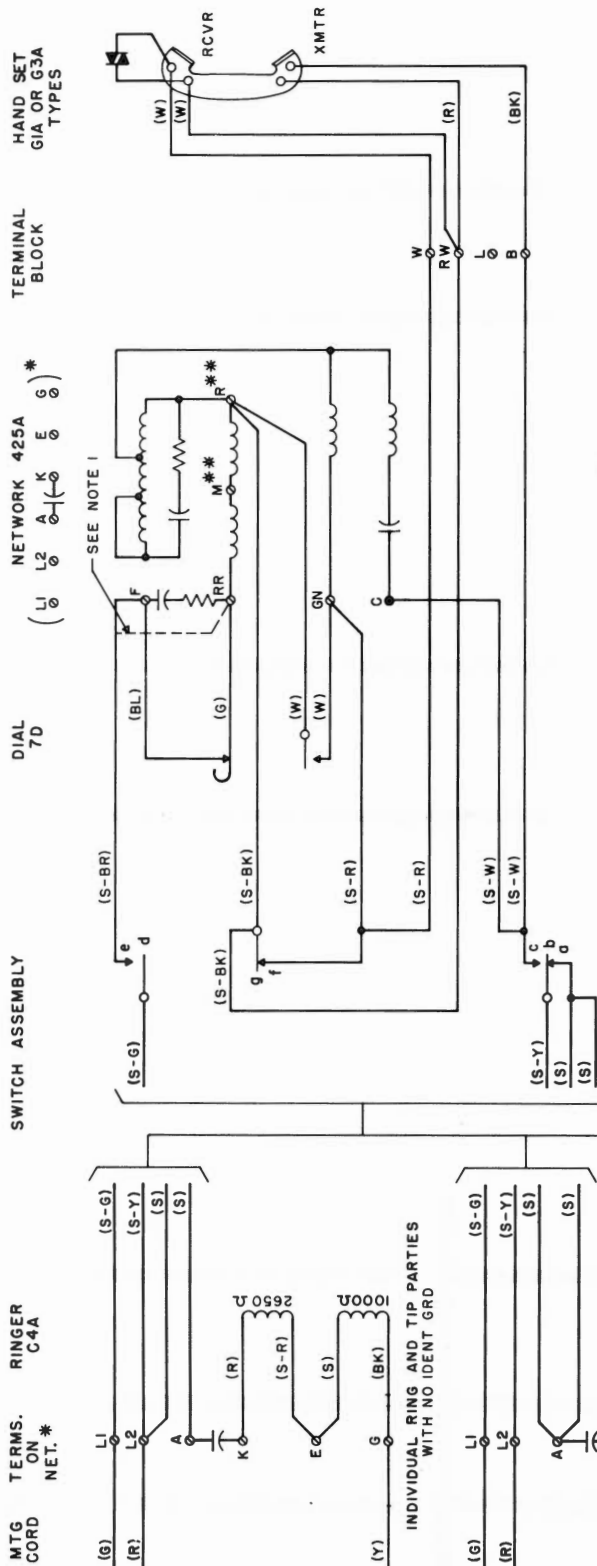


TELEPHONE SETS—500J, K AND 501J, K

COMMON BATTERY — CONNECTIONS



Spade tips or skinned wires should come in contact only with terminal F to which connection is made. Electrical contact with metal tab of the network housing may cause the exposed dial finger stop to become energized with ringing current or dc line current.



Note 1: Same terminals may appear on ringer connection. S-BR switch lead is connected to F terminal in dial sets and to RR terminal in manual sets.

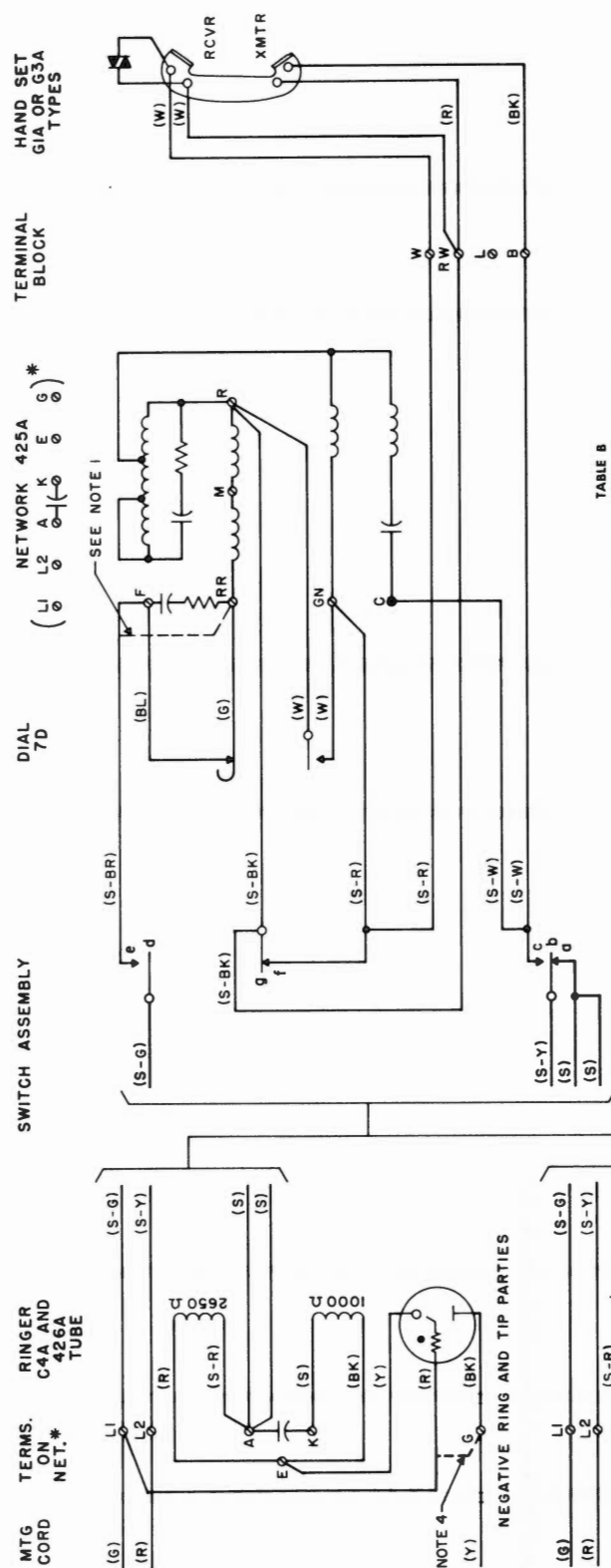
Note 2: Use normal connections on tip party ident ground stations. If bell taps on stations connected to long line equipment, use ringer reversal column in Table A to retain tip party ground identification.

TABLE A
LINE AND RINGER CONNECTIONS

Wire or Lead	Indi-vidual or Bridged	Ring Party	Tip Party No Ident Ground	Normal Connections		Tip Party Ident Ground		To Silence Ringer Permanently	
				1000Ω	2650Ω	1000Ω	2650Ω	1000Ω	2650Ω
Ringer Leads	R	K	K	K	M	R	G	K	M
	BK	G	G	G	R	M	K	G	E
	S	E	E	M	K	G	R	M	K
	S-R	E	E	R	G	K	M	E	G
Switchhook Lead	S	L2-A	L2-A	A	A	A	A	L2	L2
Mounting Cord in Set	R	L2	L2	L2	L2	L2	L2	L2	L2
	G	L1	L1	L1	L1	L1	L1	L1	L1
	Y	G	G	G	G	G	G	G	G
Mounting Cord at Connecting Block	R	R	R	R	R	R	R	R	R
	G	G	G	G	G	G	G	G	G
Line Wire at Connecting Block	R	R	R	R	R	R	R	R	R
	G	G	G	G	G	G	G	G	G
Ring at Connecting Block	R	R	R	R	R	R	R	R	R
	G	G	G	G	G	G	G	G	G
Tip at Connecting Block	R	R	R	R	R	R	R	R	R
	G	G	G	G	G	G	G	G	G
Grd	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Y	Y	Y	Y	Y	Y	Y	Y	Y

To silence ringer for all classes of services except tip party ground identification, connect yellow mounting cord to same terminal as red mounting cord lead at connecting block.

Fig. 1 — 500J, K Telephone Set, Connections

TABLE B
LINE, RINGER, AND TUBE CONNECTIONS

Wire or Lead		Negative (—) Parties			Positive (+) Parties		
		1-5	2-6		3-7	4-8	
Ringer Leads See Note 2	R	Ring	Tip	Ring	Tip		
	BK	E	E	A	A		
	S	K	E	K	K		
		E	K	E	E		
	S-R	A	A	E	E		
Switchhook Lead	S	A	A	A	A		
	R	L1 or G	L1 or G	A	A		
	BK	G	G	E	E		
	Y	E	E	G	G		
Mounting Cord in Set	R	L2	L2	L2	L2		
	G	L1	L1	L1	L1		
	Y	G	G	G	G		
	R	R	G	R	R		
Mounting Cord at Connecting Block	G	G	R	G	R		
	Y	Y	Y	Y	Y		
	R	R	R	R	R		
	G	G	G	G	G		
Line Wire at Connecting Block	Ring	Y	Y	Y	Y		
	Tip	G	G	G	G		
	Grd	Y	Y	Y	Y		
4-Element Electron Tube Connections to Reduce Inductive Noise							
425A Tube (4-Element) See Note 3	R	L1	L1	A	A		
	G	A	A	L1	L1		
	BK	G	G	E	E		
	Y	R	R	G	G		

POSITIVE RING AND TIP PARTIES
Note 1: S-BR switch lead is connected to F terminal in dial sets and to RR terminal in manual sets.

Note 2: To silence ringer permanently: Connect yellow mounting cord lead to same terminal as red mounting cord lead at connecting block.

Note 3: For additional information concerning inductive interference, refer to section entitled Inductive Noise.

Note 4: For negative stations in offices without ANI, *R* lead from 426A tube may be connected to G if ringer operation is marginal.

Fig. 2—501J, K Telephone Set, Connections