

TELEPHONE SETS 500C/D AND 501C/D CONNECTIONS

1. GENERAL

1.01 This section is reissued to:

- Show 425E network as replacement for 425B (MD) network.
- Delete information on 425A electron tube.

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

2. CONNECTIONS

2.01 The 500C/D telephone set is factory-wired for individual bridged or ring party service.

2.02 The 501C/D telephone set contains a 426A three element electron tube and is factory-wired for use in 4-party selective or 8-party semiselective ringing service. For information on the 425A four

element electron tube, refer to the section covering inductive noise.



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

2.03 Connection Index

Table A—500C/D Telephone Set, Line and Ringer Connections

Table B—501C/D Telephone Set, Line, Ringer and Tube Connections

Fig. 1—500C/D Telephone Set, Connections

Fig. 2—501C/D Telephone Set, Connections

TABLE A
500C/D TELEPHONE SET
LINE AND RINGER CONNECTIONS

WIRE OR LEAD		COLOR	INDIVIDUAL OR BRIDGED	RING PARTY	TIP PARTY NO IDENT GROUND	TIP PARTY IDENT GROUND			
						NORMAL CONNECTION		RINGER REVERSAL WHEN CONNECTED TO LONG LINE EQUIP.	
						1000 Ω	2650 Ω	1000 Ω	2650 Ω
Ringer Leads		R	L2	L2	L2	K	B	B	G
		BK	G	G	G	G	B	B	K
		S	K	K	K	B	K	G	B
		S-R	A	A	A	B	G	K	B
Switch Hook Lead		S	L2	L2	L2	A	A	A	A
Mounting Cord in Set		R	L2	L2	L2	L2	L2	L2	L2
		G	L1	L1	L1	L1	L1	L1	L1
		Y	G	G	G	G	G	G	G
Mounting Cord at Connecting Block		R	R	R	G	G	G	G	G
		G	G	G	R	R	R	R	R
		Y	G	Y	Y	Y	Y	Y	Y
Line Wire at Connecting Block	Ring	R	R	R	R	R	R	R	R
	Tip	G	G	G	G	G	G	G	G
	Grd	Y	Y	Y	Y	Y	Y	Y	Y

* If bell taps on stations connected to long line equipment, use these connections to retain tip party ground identification.

Note: To silence ringer permanently:

- (a) For all classes of service except tip party identification ground; remove the (R) ringer lead from **L2** of network and insulate and store.
- (b) For tip party with 1000 ohms identification ground; remove (R) ringer lead from **K** of network and insulate and store.
- (c) For tip party with 2650 ohms identification ground; remove the (S) ringer lead from **K** of network and insulate and store.

TABLE B
501C/D TELEPHONE SET
LINE, RINGER, AND TUBE CONNECTIONS

WIRE OR LEAD		COLOR	NEGATIVE (—) PARTIES		POSITIVE (+) PARTIES	
			1-5	2-6	3-7	4-8
			RING	TIP	RING	TIP
Ringer Leads		R	G	G	L2	L2
		BK	G	G	L2	L2
		S	A	A	A	A
		S-R	K	K	K	K
Switch Hook Leads		S	L2	L2	L2	L2
426A Tube		R	L1 or G	L1 or G	L2	L2
		BK	K	K	K	K
		Y	L2	L2	G	G
Mounting Cord in Set		R	L2	L2	L2	L2
		G	L1	L1	L1	L1
		Y	G	G	G	G
Mounting Cord at Connecting Block		R	R	G	R	G
		G	G	R	G	R
		Y	Y	Y	Y	Y
Line Wire at Connecting Block	Ring	R	R	R	R	R
	Tip	G	G	G	G	G
	Grd	Y	Y	Y	Y	Y

Note: To silence ringer permanently, connect yellow mounting cord lead to same terminal as red mounting cord lead at the connecting block.

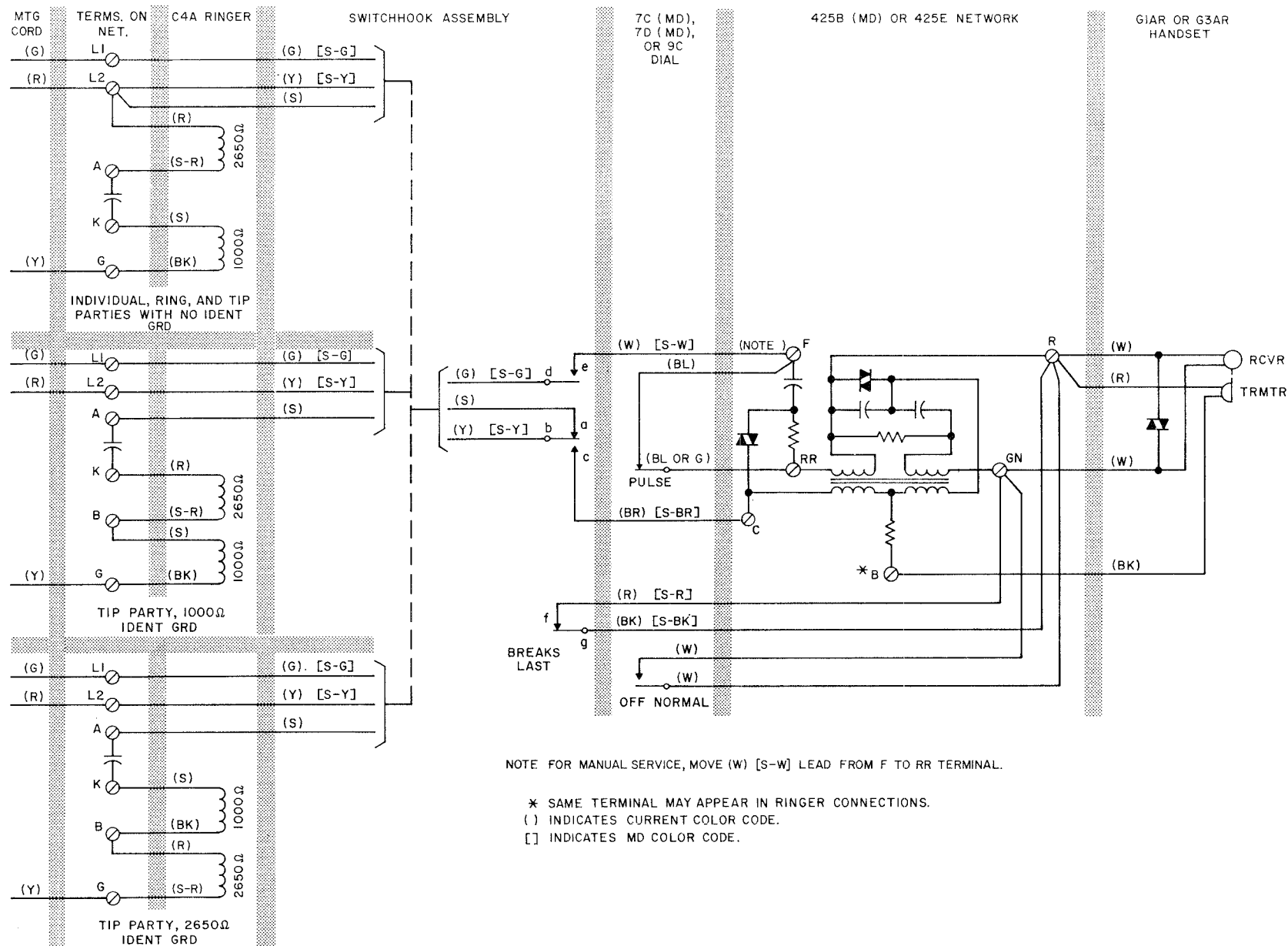


Fig. 1—500C/D Telephone Set, Connections

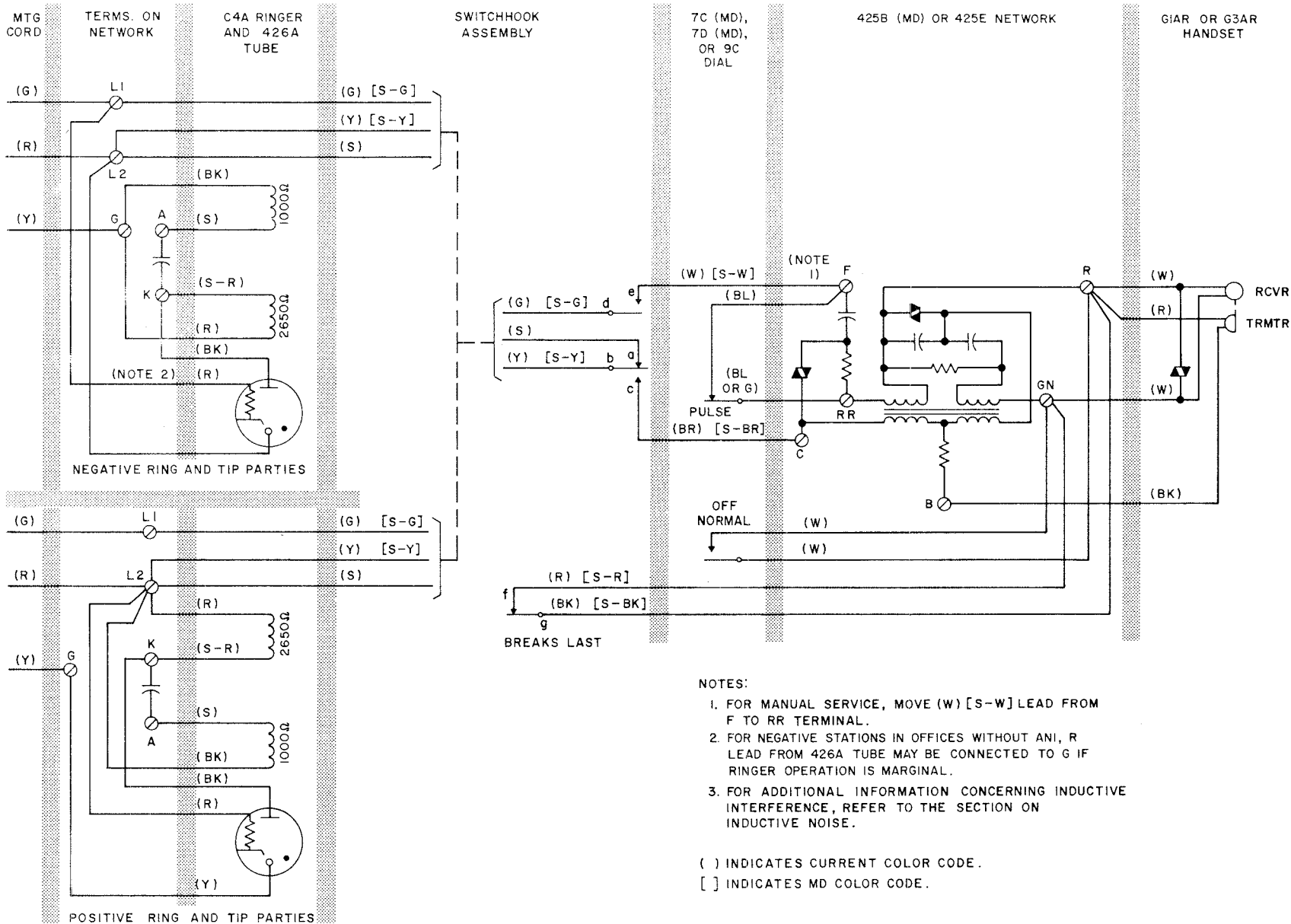


Fig. 2—501C/D Telephone Set, Connections