

TELEPHONE SETS

500C, D, AND 501C, D

CONNECTIONS

1. GENERAL

1.01 This section is reissued to add note to Fig. 1 and to include current method of permanently silencing the ringer of 500C/D telephone set. Since this reissue covers a general revision, arrows ordinarily used to indicate changes have been omitted.



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. CONNECTIONS

2.01 The 500C/D telephone set is factory wired for individual bridged or ring party service. Table A shows line and ringer connections for this and other classes of service.

2.02 To permanently silence the ringer of a 500C/D telephone set proceed as follows:

- (a) For all classes of service except tip party identification ground; remove the (R) ringer lead from L2 of network and insulate and store it.

- (b) For tip party with 1000 ohms identification ground; remove the (R) ringer lead from K of network and insulate and store it.

- (c) For tip party with 2650 ohms identification ground; remove the (S) ringer lead from K of network and insulate and store it.

2.03 The 501C/D telephone sets contain a 426A electron tube and are factory wired for use in four-party selective ringing or 8-party semi-selective ringing service. Table B shows line, ringer, and tube connections for this class of service. A 425A four-element tube can also be used (see Table B).

2.04 Connection Index

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

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

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

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

TABLE A
500C AND 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.	
						1000Ω	2650Ω	1000Ω	2650Ω
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

TABLE B
501C AND D TELEPHONE SETS
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 (3 Element) See Note 3, Fig. 2		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
4-ELEMENT ELECTRON CONNECTIONS TO REDUCE INDUCTIVE NOISE						
425A Tube (4 Element) See Note 3, Fig. 2		R	L1	L1	L2	L2
		G	L2	L2	L1	L1
		BK	K	K	K	K
		Y	L2	L2	G	G

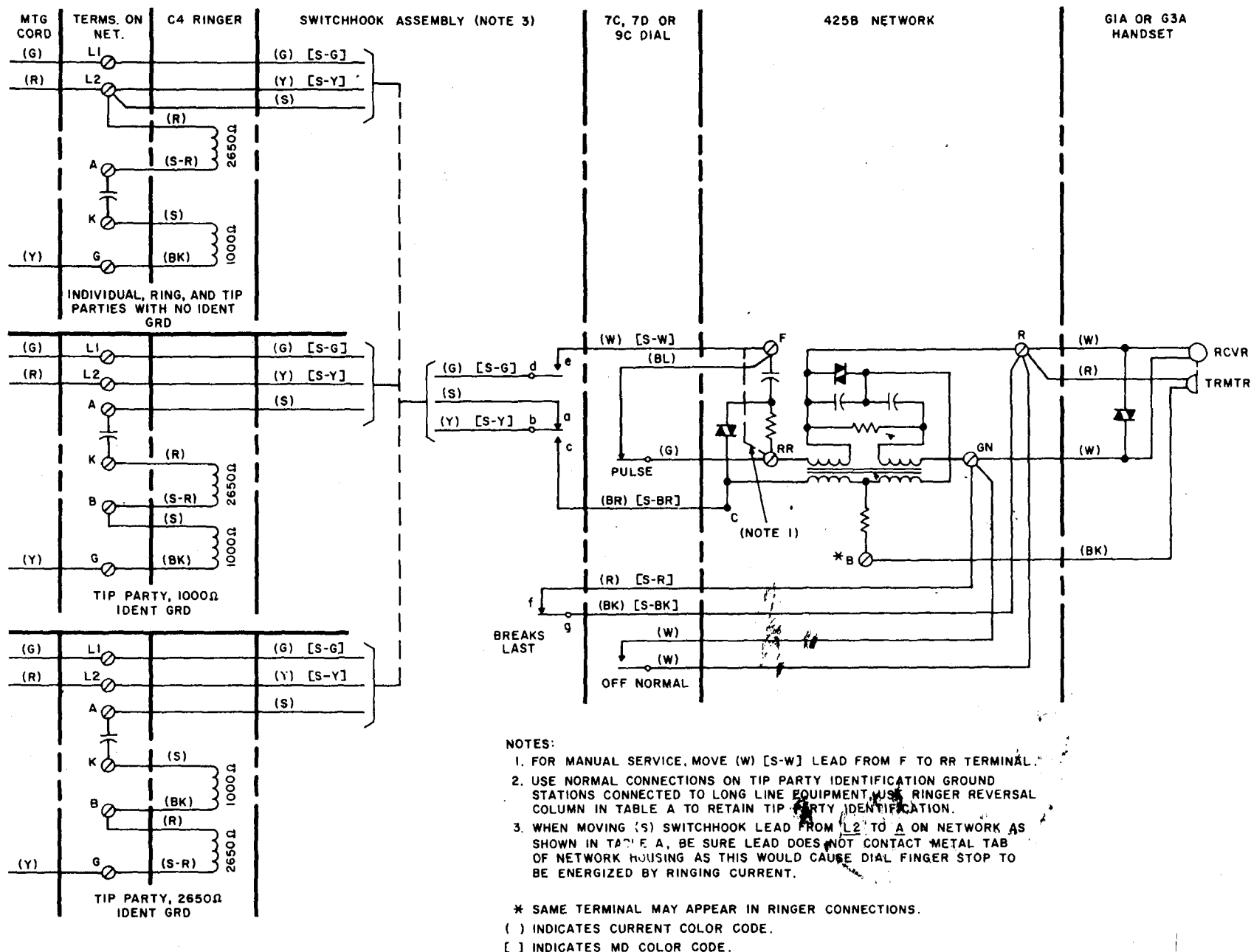


Fig. 1 — 500C and D Telephone Sets, Connections
 TCI Library: www.telephonecollectors.info

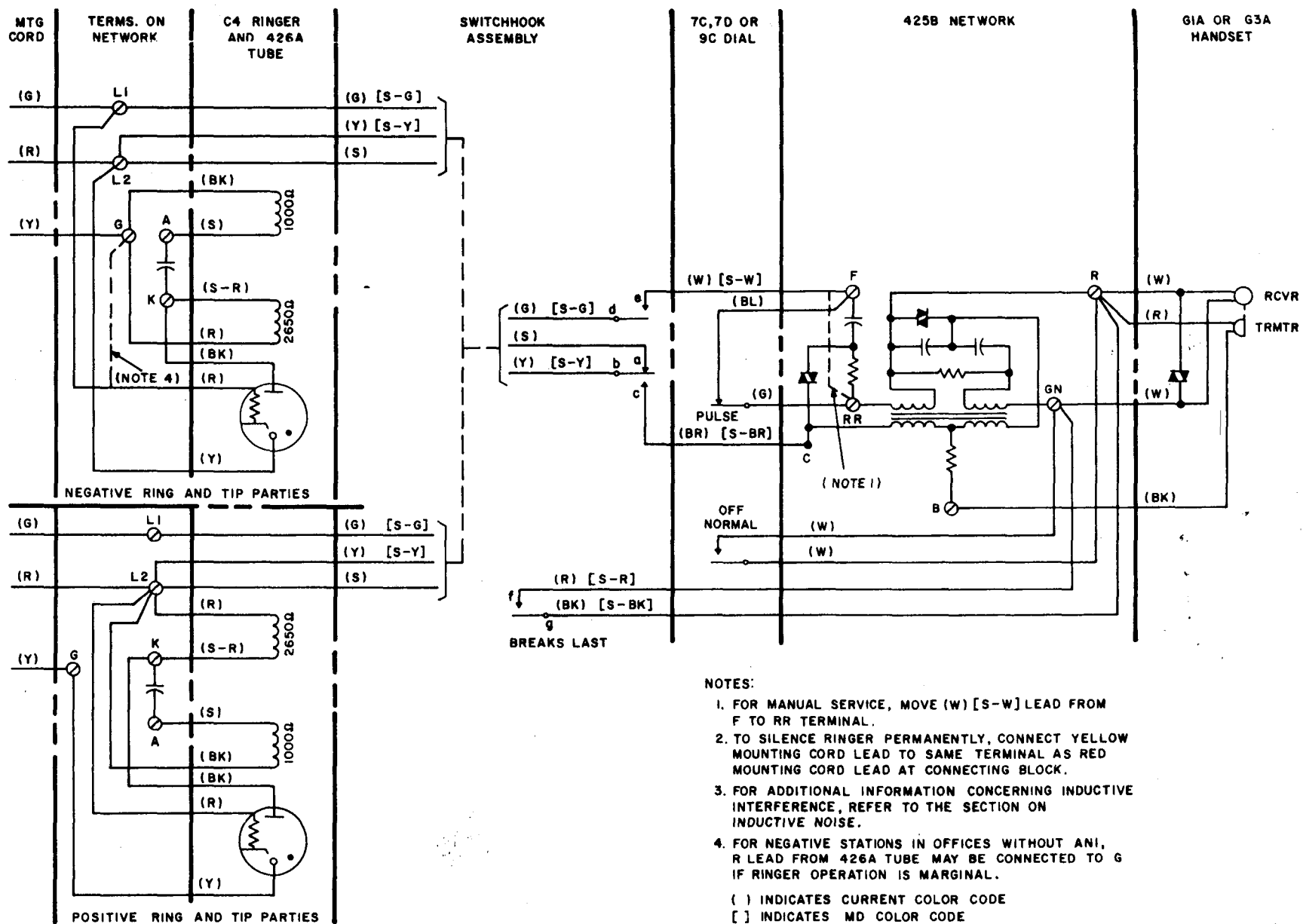


Fig. 2 — 501C and D Telephone Sets, Connections