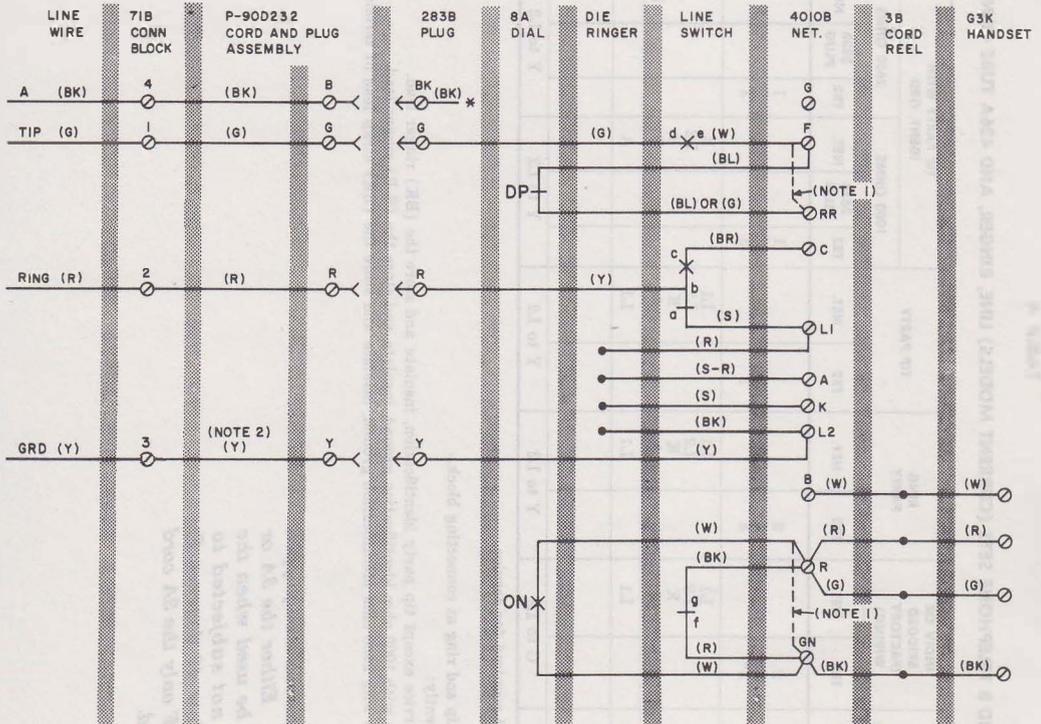


SERVICE 750A AND B TELEPHONE SETS

1. GENERAL

1.01 Reissued to add:

- Nontechnical changes to Fig. 1, 2, and 3
- Read note to Table A



NOTES:

1. DASHED LINES INDICATE CONNECTIONS FOR MANUAL SERVICE, DIAL REMAINS ON SET.
2. GROUND MAY BE OMITTED IF NOT REQUIRED FOR SERVICE.
3. FACTORY WIRED FOR RING PARTY. REFER TO TABLE A FOR ALL OTHER CLASSES OF SERVICE.

*-INSULATE AND STORE.

DP-DIAL PULSE
ON-OFF NORMAL

LINE SWITCH SEQUENCE:

- bc-MAKE
- de-MAKE
- ob-BREAK
- fg-BREAK

†Fig. 1—750A and B Telephone Set, Connections (Current Models) †

1

TABLE A

750A AND B TELEPHONE SETS (CURRENT MODELS) LINE, RINGER, AND 426A TUBE CONNECTIONS

WIRE OR LEAD		COLOR	INDIV OR BRIDGED (FACTORY WIRING)		RING PARTY		TIP PARTY		TIP PARTY WITH IDENT. GRD						SELECTIVE RINGING (Note 1)					
									1000 OHMS			2650 OHMS			NEGATIVE (-) RING			POSITIVE (+) RING		
									TB2	NET.		TB2	NET.		TB2	283B PLUG	NET.	TB2	283B PLUG	NET.
CO Line at 71B Conn Block	Ring Tip GRD	R G Y	2 1 3*		2 1 3		1 2 3		1 2 3			1 2 3			2 1 3			2 1 3		
Ringer Leads		R BK S S-R		L1 L2 K A		L1 L2 K A		L1 L2 K A			K L2 B B			B B K L2			L2 L2 K A		R R	K A
Line Switch		S		L1		L1		L1			A			A			L1			L1
426A Tube (3-Element)		BK R Y														GN R	A		R	A L2
Strap		Y		G to L2		Y to L2		Y to L2			Y to L2			Y to L2			Y to L2			Y to L2

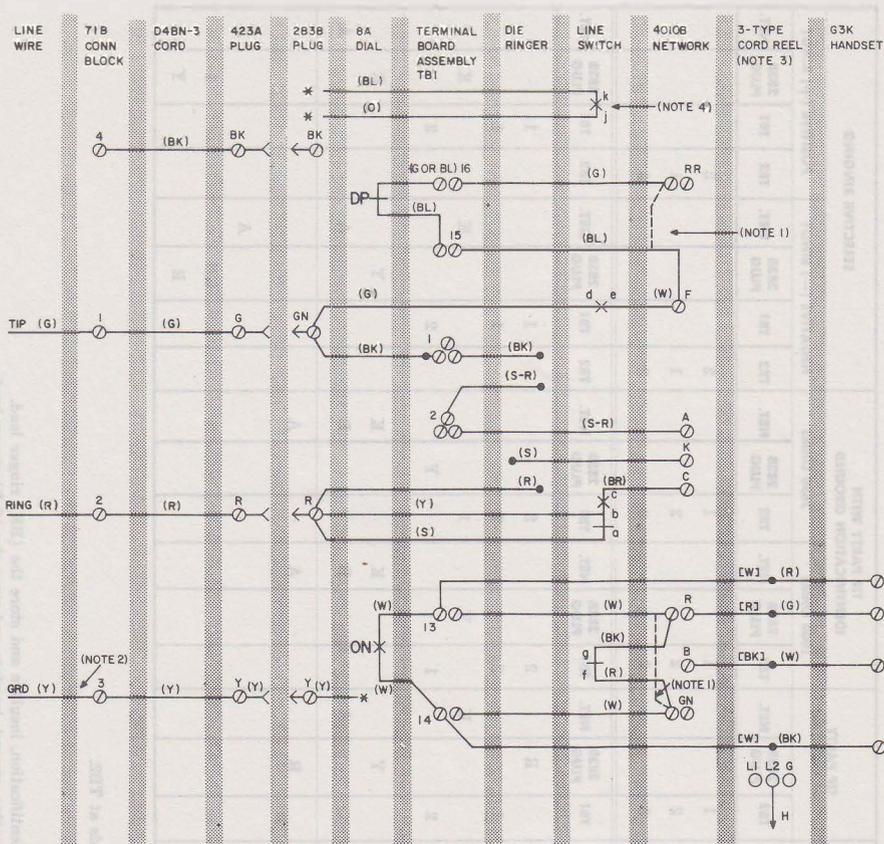
* Ground may be omitted, if not required for service.

Notes:

1. For tip stations reverse tip and ring at connecting block.
2. To silence ringer permanently:
 - (a) For all classes of service except tip party identification, insulate and store the (BK) ringer lead.
 - (b) For tip party service with 1000 ohm identification ground, insulate and store the (S-R) ringer lead.
 - (c) For tip party service with 2650 ohm identification ground, insulate and store the (BK) strap lead of terminal board.



Current production models are equipped with 3B cord reel. Either the 3A or 3B cord reel may be used when the telephone set is not subjected to temperatures below 40 degrees F. Below 40 degrees F only the 3A cord reel should be used.



- NOTES:
1. DASHED LINES INDICATE CONNECTIONS FOR MANUAL SERVICE, DIAL REMAINS ON SET.
 2. GROUND MAY BE OMITTED IF NOT REQUIRED FOR SERVICE.
 3. [] DENOTES 3A CORD REEL LEAD COLORS.
() DENOTES 3B CORD REEL LEAD COLORS.
 4. IN CURRENT PRODUCTION MODELS (BL) AND (O) LINE SWITCH LEADS AND ASSOCIATED CONTACTS WILL BE OMITTED.
 5. FACTORY WIRED FOR BRIDGED SERVICE. REFER TO TABLE B FOR ALL OTHER CLASSES OF SERVICE.
- ⊙ TERMINAL WITH SCREW.
 - TERMINAL WITHOUT SCREW.
 - * INSULATE AND STORE.

DP - DIAL PULSE
ON - OFF NORMAL

LINE SWITCH SEQUENCE:
b c - MAKE
d e - MAKE
a b - BREAK
f g - BREAK
j k - MAKE

Fig. 2—750A and B Telephone Set, Connections (Later Models)



TABLE B
750A ANDB TELEPHONE SETS (LATER MODELS) LINE, RINGER, AND 426A TUBE CONNECTIONS

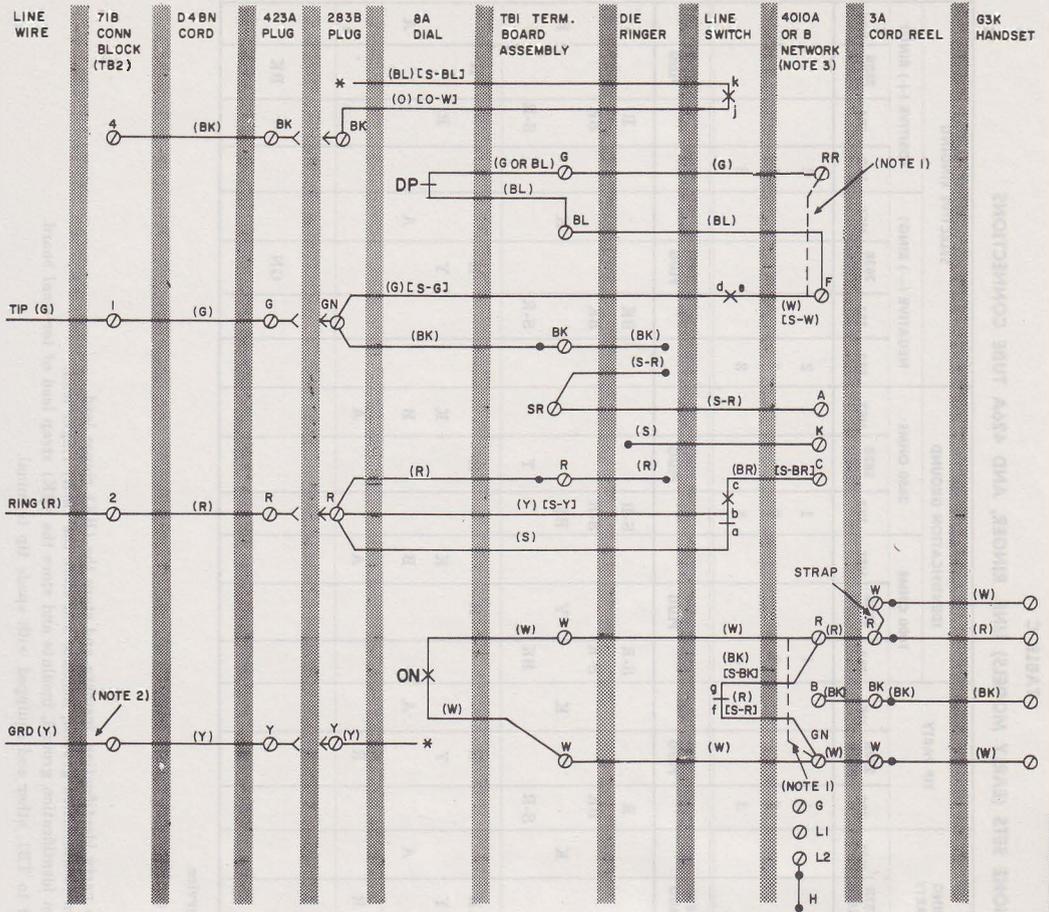
WIRE OR LEAD		COLOR	INDIVIDUAL OR BRIDGED (FACTORY WIRING)			RING PARTY			TIP PARTY			TIP PARTY WITH IDENTIFICATION GROUND						SELECTIVE RINGING									
			TB2	2838 PLUG	NET.	TB2	2838 PLUG	NET.	TB2	2838 PLUG	NET.	1000 OHMS			2650 OHMS			NEGATIVE (-) RING†				POSITIVE (+) RING†					
												TB2	2838 PLUG	NET.	TB2	2838 PLUG	NET.	TB2	TB1	2838 PLUG	NET.	TB2	TB1	2838 PLUG	NET.		
CO Line at 71B Conn Block	Ring	R	2			2			1			1			1			2				2					
	Tip	G	1			1			2			2			2			1				1					
	GRD	Y	3*			3			3			3			3			3				3					
Ringer Leads (Note 1)			TB1	2838 PLUG	NET.	TB1	2838 PLUG	NET.	TB1	2838 PLUG	NET.	TB1	2838 PLUG	NET.	TB1	2838 PLUG	NET.	TB2	TB1	2838 PLUG	NET.	TB2	TB1	2838 PLUG	NET.		
		R		R			R			R			2			2				1				1			
		BK	1			1			1			2			2			1				1			1		
		S			K				K				Y		1						K				K		
TB1 Straps (Note 2)		BK		GN			Y			Y				K			K				Y				R		
		S-R			A			A			A				B			B			A					A	
Line Switch		S		R			R			R				A			A										
426A Tube (3-Element)		BK																			A					A	
		R																								1	
		Y																								Y	

* Ground may be omitted if not required for service.

† For tip party, reverse (R) and (G) mounting cord leads at TB2.

Notes:

- To silence ringer permanently.
 - For all classes of service except tip party identification, insulate and store the (BK) ringer lead.
 - For tip party service with 1000 ohm identification ground, insulate and store the (S-R) ringer lead.
 - For tip party service with 2650 ohm identification ground, insulate and store the (BK) strap lead of terminal board.
- One end of straps permanently soldered to TB1, other end equipped with spade tip terminal.



NOTES:

1. DASHED LINES INDICATE CONNECTIONS FOR MANUAL SERVICE. DIAL REMAINS ON SET.
 2. GROUND MAY BE OMITTED IF NOT REQUIRED FOR SERVICE.
 3. 4010B NETWORK IS EQUIPPED WITH TERMINALS G, L1, L2, AND H.
 4. FACTORY WIRED FOR BRIDGED SERVICE. REFER TO TABLE C FOR ALL OTHER CLASSES OF SERVICE.
- * INSULATE AND STORE
 () CURRENT COLOR CODE.
 [] MD COLOR CODE

DP - DIAL PULSE
 ON - OFF NORMAL

LINE SWITCH SEQUENCE:
 bc - MAKE
 de - MAKE
 ab - BREAK
 bg - BREAK
 jk - MAKE

♦Fig. 3—750A and B Telephone Set, Connections (Early Models)♦



TABLE C
750A AND B TELEPHONE SETS (EARLY MODELS) LINE, RINGER, AND 426A TUBE CONNECTIONS

WIRE OR LEAD		COLOR	INDIVIDUAL OR BRIDGED (FACTORY WIRING)			RING PARTY			TIP PARTY			TIP PARTY WITH IDENTIFICATION GROUND						SELECTIVE RINGING								
												1000 OHMS			2650 OHMS			NEGATIVE (-) RING†			POSITIVE (+) RING‡					
			TB2	283B PLUG	NET.	TB2	283B PLUG	NET.	TB2	283B PLUG	NET.	TB2	283B PLUG	NET.	TB2	283B PLUG	NET.	TB2	TB1	283B PLUG	NET.	TB2	TB1	283B PLUG	NET.	
CO Line at 71B Conn Block	Ring	R	2			2			1			1			1			2			2					
	Tip	G	1			1			2			2			2			1			1					
	GRD	Y	3*			3			3			3			3			3			3					
Ringer Leads (Note 1)			TB1	283B PLUG	NET.	TB1	283B PLUG	NET.	TB1	283B PLUG	NET.	TB1	283B PLUG	NET.	TB1	283B PLUG	NET.	TB2	TB1	283B PLUG	NET.	TB2	TB1	283B PLUG	NET.	
		R	R			R			R			S-R			S-R				BK				R			
		BK	BK			BK			BK			S-R			S-R					BK				BK		
		S			K			K			K			Y		BK						K				K
TB1 Straps (Note 2)		R		R			R			R			R						R				R			
		BK		GN			Y			Y				K						Y				R		
		S-R		A			A			A				B							A				A	
Line Switch		S		R			R			R				A												
426A Tube (3-Element)		BK																			A				A	
		R																							BK	
		Y																		R					Y	

* Ground may be omitted if not required for service.

† For tip party, reverse (R) and (G) mounting cord leads at TB2.

Notes:

1. To silence ringer permanently.
 - (a) For all classes of service except tip party identification, insulate and store the (BK) ringer lead.
 - (b) For tip party service with 1000 ohm identification ground, insulate and store the (S-R) ringer lead.
 - (c) For tip party service with 2650 ohm identification ground, insulate and store the (BK) strap lead of terminal board.
2. One end of straps permanently soldered to TB1, other end equipped with spade tip terminal.