

REFERENCE

750-TYPE TELEPHONE SETS

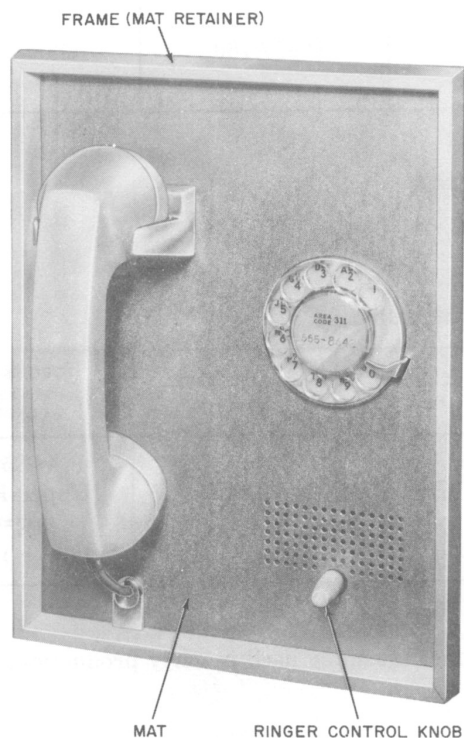


Fig. 1—750-Type Telephone Set

1. GENERAL

1.01 This section contains identification, installation, maintenance, and connection information for the 750-type telephone sets. This information was formally contained in Sections 502-750-100 and 502-750-400 which are hereby concealed.

2. IDENTIFICATION

Ordering Guide

2.01 Set, Telephone, 750A-58 or 750B-60

Note: -58 includes white handset, aluminum mat, and light gray plastic frame. -60 includes light beige handset, copper mat, and light beige plastic frame.

2.02 *Replaceable Set Components are listed in Tables A and B.*

2.03 *Associated Apparatus or Equipment (ordered separately):*

- Apparatus box, 113-type or 114A (recessed mounting)
- D-180071 or D-180072 Kit of Parts (surface mounting)
- Connecting Block, 71B



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.

2.04 *Loose Parts Furnished With Set:*

- P-90D232 Cord and Plug Assembly or Cord, Mounting, D4BN-3 equipped with 423A plug

TABLE A
COMPONENT ORDERING GUIDE (COLOR SIGNIFICANT)

TELEPHONE SET	MAT	FRAME (MAT)	LINE SWITCH ASSEMBLY	HANDSET
750A-58	P-26E934	P-84A261* P-89C261†	P-85A161	G3K-58
750B-60	P-26E935	P-84A260* P-89C260†	P-85A160	G3K-60

* Furnished with telephone set.

† Furnished with kit of parts used for surface mounting.

TABLE B
COMPONENT ORDERING GUIDE

TELEPHONE SET	DIAL	RINGER	CORD REEL	CORD AND PLUG ASSY	GROMMET (HANDSET CORD)
750	8A	D1B or D1E	3A or 3B	P-90D232*	P-44E501† (Upper Half) P-44E502† (Lower Half)

* Replaces D4BN-3 in current production models.

† These components replace the P-14E894 (MD) grommet assembly used in early production.

- Instruction Booklet, GN-2408
- P-160828 Mounting Screws (4)
- P-25E803 Card Retainer

Design Features

2.05 The 750-type telephone set may be recess mounted or adapted for surface mounting using a D-180071 or D-180072 Kit of Parts.

2.06 Component parts of these sets are mounted on a steel panel. An aluminum mat retained by a plastic frame covers the panel and gives the installation a finished appearance.

Application

2.07 Can be wired for bridged, two-party flat rate, two-party message rate or four-party full selective on CO or PBX lines.

2.08 Can be modified for use with 1A1 or 1A2 KTS. Refer to Table C.

3. INSTALLATION

Apparatus Boxes

3.01 Refer to Division 463 for information on installing apparatus boxes.

TABLE C
MODIFICATIONS FOR USE WITH 1A1 OR 1A2 KTS

WIRE OR LEAD		REMOVE FROM	CONNECT TO
Incoming Line at 71B Conn Block	Tip	① ①	③ ③
	Ring	② ②	① ①
	GRD-A1	③ ③	② ②
	A		④ ④
Ringer	(R)	Ⓛ1 † R *	ⓖN ‡ Y *
	(BK)	Ⓛ2 †	Ⓒ †
Line Switch	(BR) [S-SR]	Ⓒ † Ⓒ †	Ⓛ2 † BK *
Strap	(BK)	§	Ⓛ2 †
	(Y)	Ⓛ2 † §	Ⓒ † Ⓒ †

* Terminal on 283B plug.

† Terminal on network.

‡ Terminal on P-14E055 mounting block assembly.

§ Insulated and stored.

○ Current production model.

□ Early and later production models.

() Current color code.

[] MD color code.

3.02 To install telephone set in box:

- (1) Remove cover of apparatus box, if so equipped (see section covering apparatus boxes).
- (2) Install 71B connecting block (ordered separately) to mounting bracket located in upper right corner of apparatus box. (Consult Division 461 for further information on this type of connecting block.)
- (3) Secure mounting cord stayhook and terminate inside wire or cable and mounting cord in accordance with appropriate connection section.
- (4) Remove plastic mat retainer frame and mat from telephone set.

(5) Position panel on lower edge of apparatus box with top tilted outward. Connect mounting cord plug to connector on set panel. Dress mounting cord to avoid interference with telephone set components. Align panel of set with mounting brackets on box and secure with four mounting screws furnished with set.

(6) Position mat on panel and secure using the mat retainer frame. If necessary, the projecting tabs may be adjusted to insure a snug fit.

D-180071 or D-180072 Kit of Parts

3.03 To surface mount telephone set:

- (1) The D-180071 (light gray frame) or D-180072 (light beige frame) Kit of Parts, ordered separately, permits mounting these sets on the surface of a wall (fig. 3).
- (2) The base pan assembly is arranged for mounting on a 63A or KS-19407L1 bracket or a standard electrical outlet box.

Note: Additional mounting holes in the base pan assembly provide for securing to wall surface using nails or screws as required.

(3) After securing the base pan to the wall fasten the 71B connecting block (ordered separately) to the bracket provided. Terminate inside wire or cable and telephone set mounting cord as shown in appropriate connection section.

(4) Connect mounting cord plug to connector on set panel. Dress mounting cord to avoid interference with telephone set components.

(5) Align panel of set with mounting screws furnished with the set.

(6) Position mat on panel and secure using plastic frame (P-89C260 or P-89C261) from kit of parts.

Note: The frame furnished with the telephone set is not required for this installation.

3.04 Installation of cold-cathode tube: A 425A or 426A cold-cathode electron tube may be required to provide selective or semiselective ringing service when a 750-type telephone set is

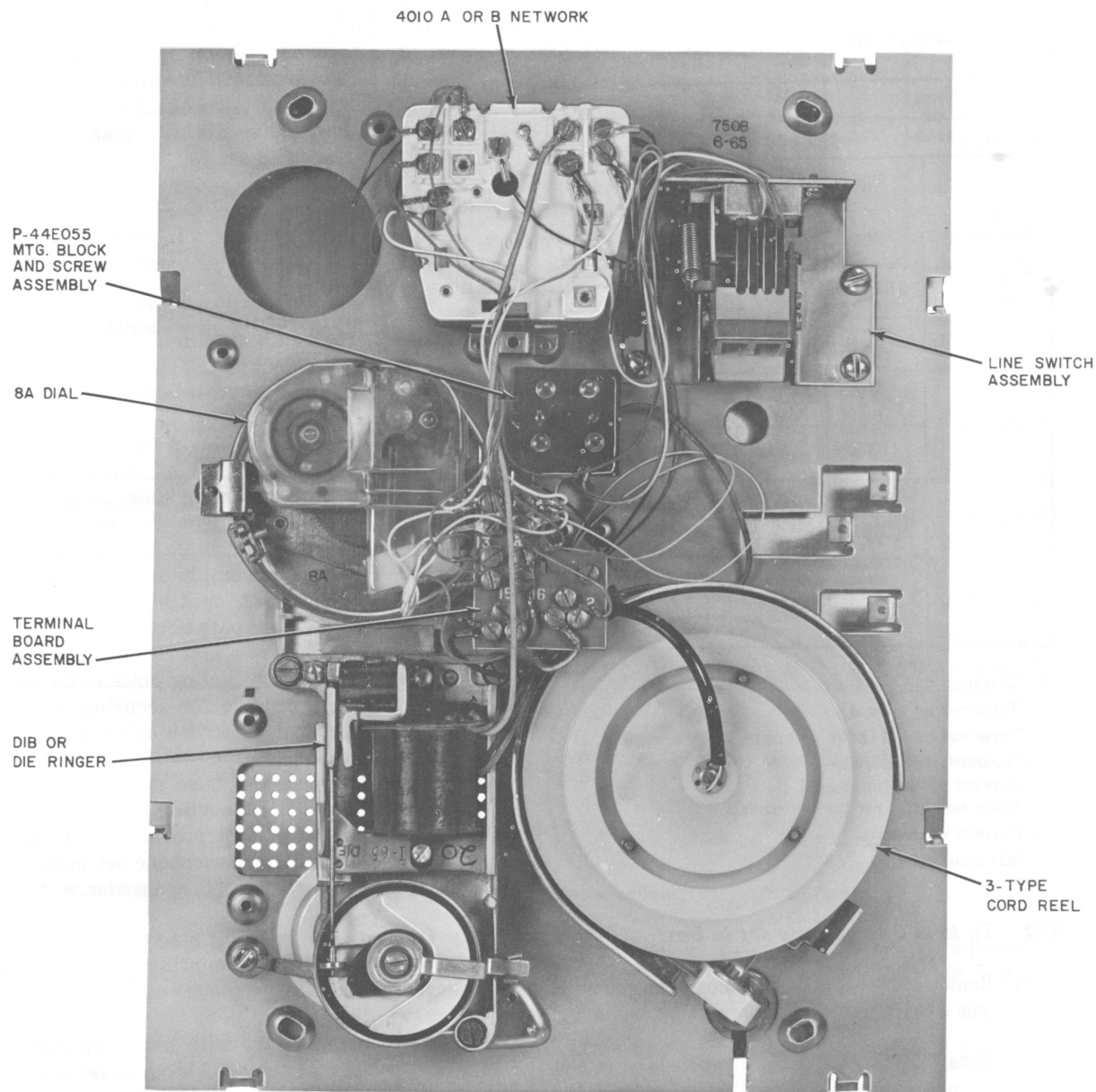


Fig. 2—750-Type Telephone Set, Rear View

installed for 4- or 8-party service. The tubes are not furnished with the set and must be ordered and installed separately.

3.05 To install in an apparatus box, obtain a 1/4-inch Tinnerman clamp and a No. 10 X 3/4-inch long self-tapping screw. Secure the clamp to the tube base using the mounting screw furnished

with the tube. Insert the self-tapping screw through the cable clamp loop and fasten tube to the apparatus box using an existing nailing hole or a hole drilled at required location (Fig. 4).

3.06 To install on the base pan assembly, secure the tube to an existing nailing hole using

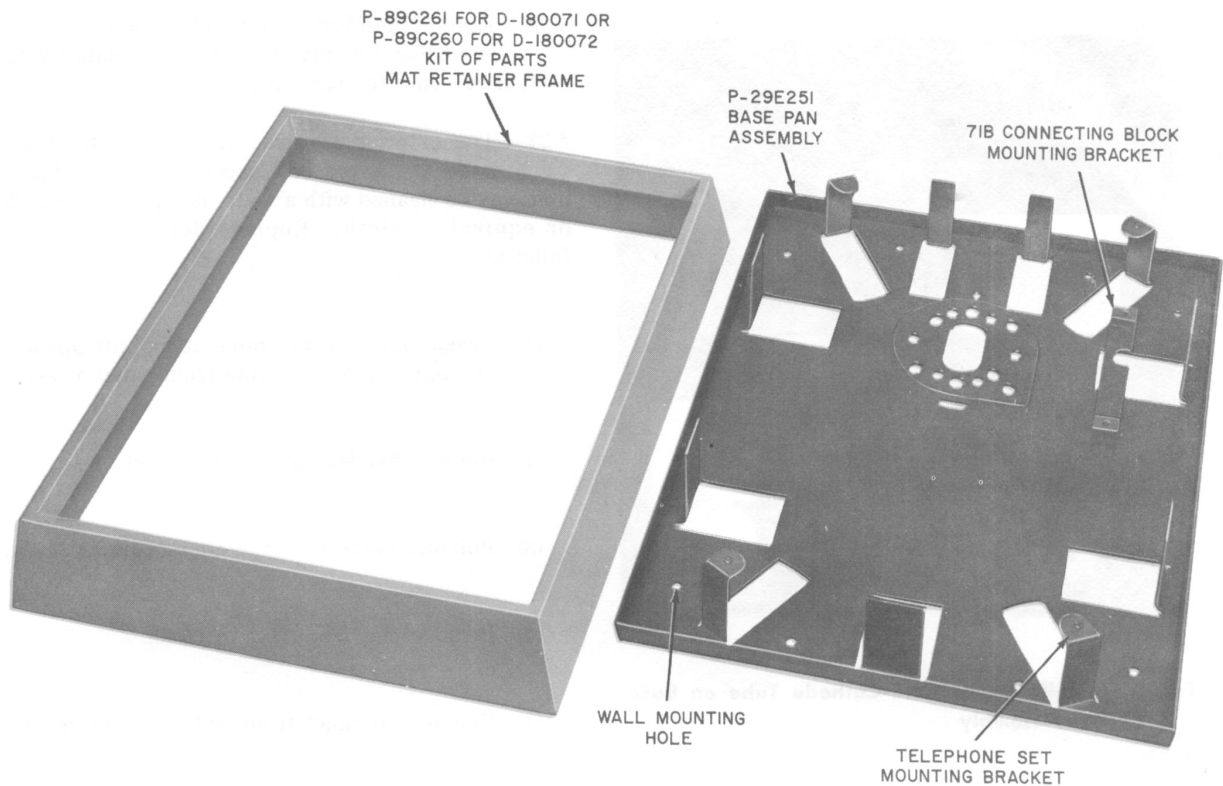


Fig. 3—D-180071 or D-180072 Kit of Parts for Surface Mounting

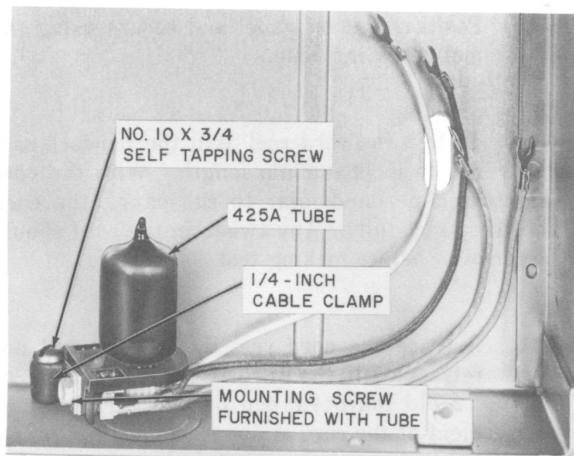


Fig. 4—Installation of Cold-Cathode Tube in Apparatus Box

the mounting screw furnished with the tube (Fig. 5).

3.07 Use M1W cords or equivalent and D-161488 connectors to extend tube leads sufficiently to reach terminal block. Make connections as shown in appropriate connection section.

Note: Select a location for the tube which will not interfere with telephone set components when the panel set is installed.

4. MAINTENANCE

4.01 Work done on customer's premises should be limited to replacement of accessible parts which are available through supply channels; refer to ordering guide tables.

Note: Early production sets were equipped with a three piece metal grommet assembly (Fig. 6). It is recommended that the metal

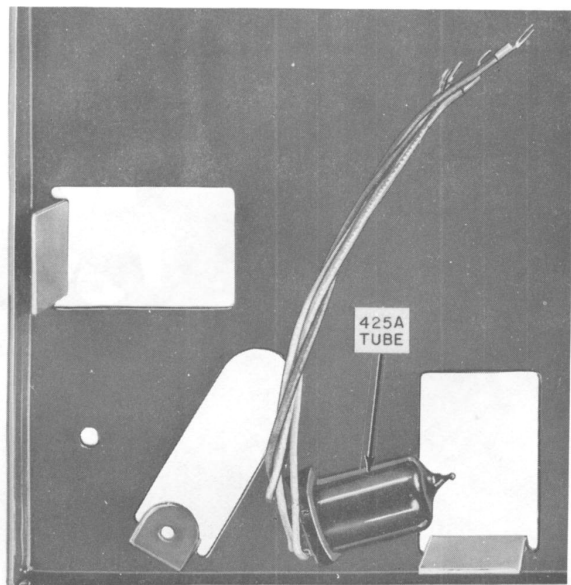


Fig. 5—Installation of Cold-Cathode Tube on Base Pan Assembly

grommet assembly be replaced when any maintenance is performed on these sets. (See Table B, Fig. 6 and 7).

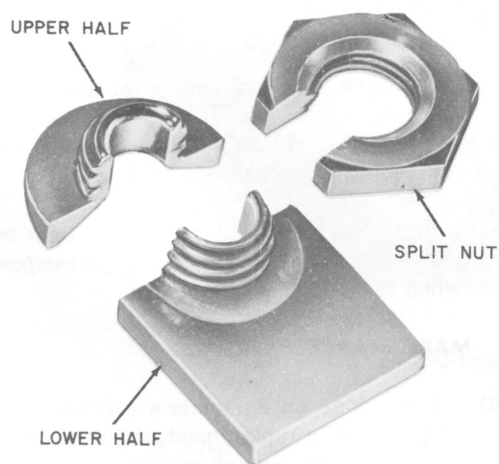


Fig. 6—P-14E894 (MD) Grommet Assembly

4.02 Ringer, handsets, dials, etc. used in these sets should be maintained in accordance with section covering the particular item.

4.03 The exterior of these sets should be clean and not marred or chipped. The vinyl-faced mat may be cleaned with a water-dampened KS-2423 or equivalent cloth. Replace defective mat as follows:

- (1) Grasp mat retainer frame at top, lift upward and out to release frame from panel of set.
- (2) Remove handset from hook of set.
- (3) Pull out handset cord to allow working slack.
- (4) Remove mat from face of panel.
- (5) Remove grommet from mat as shown in Fig. 7.
- (6) Install grommet in new mat by reversing procedure used in removal.
- (7) Position mat on panel and secure using the mat retainer frame.

4.04 To test the cord reel, pull the handset cord out to its maximum length. With the cord maintained perpendicular to the panel, the cord should retract fully. Any twists in the cord should be removed before making test.

4.05 Replace the cord reel if the cord will not retract or if the cord is frayed, kinked, or noisy. Field maintenance of the cord reel or replacement of the cord is not recommended.

4.06 The ringer volume control should operate without restriction when the knob is turned. Replace set if the control mechanism is worn or defective.

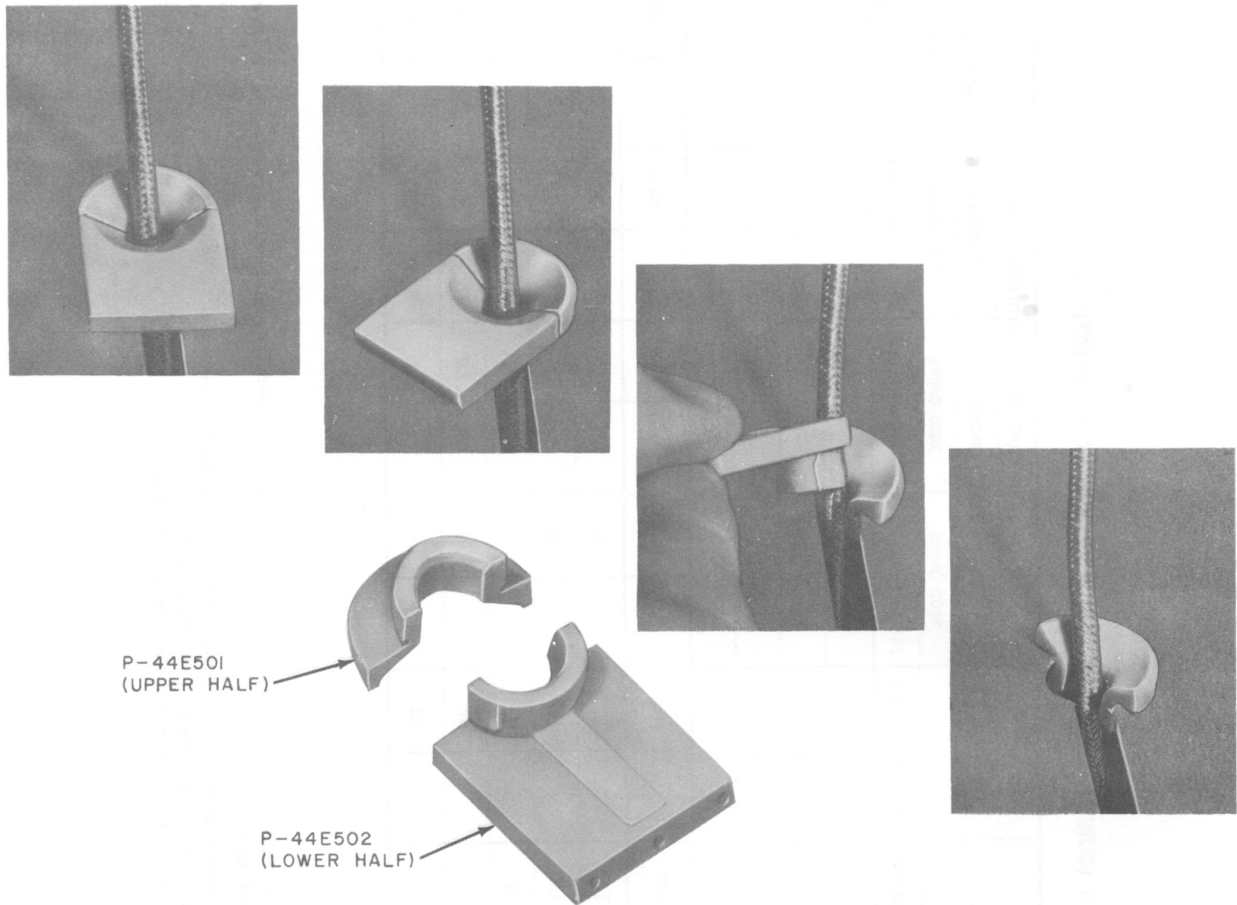


Fig. 7—Removal of Handset Cord Grommet

TABLE D

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

WIRE OR LEAD		COLOR	INDIVIDUAL OR BRIDGED (FACTORY WIRING)	RING PARTY	TIP PARTY	TIP PARTY WITH IDENTIFICATION GROUND							
						NORMAL CONNECTIONS				RINGER REVERSAL (NOTE 1)			
						1000 OHMS	2650 OHMS	1000 OHMS	2650 OHMS	1000 OHMS	2650 OHMS	1000 OHMS	2650 OHMS
			71B CONN BLOCK	71B CONN BLOCK	71B CONN BLOCK	71B CONN BLOCK	71B CONN BLOCK	71B CONN BLOCK	71B CONN BLOCK	71B CONN BLOCK	71B CONN BLOCK	71B CONN BLOCK	71B CONN BLOCK
CO Line at Terminal Strip	Ring	R	2	2	1	1	1	1	1	1	1	1	1
	Tip	G	1	1	2	2	2	2	2	2	2	2	2
	GRD	Y	Strap 3 to 1†	3	3	3	3	3	3	3	3	3	3
	†		Strap 3 to 1										
Ringer Leads			NET.	NET.	NET.	NET.	NET.	NET.	NET.	NET.	NET.	NET.	NET.
		R	L1	L1	L1	B	B	K	L2	L2	K	L2	K
		BK	L2	L2	L2	B	B	L2	K	B	B	B	B
		S	K	K	K	L2	K	L2	B	B	B	B	B
		S-R	A	A	A	K	L2	B	B	B	B	B	B
Line Switch		S	L1	L1	L1	A	A	A	A	A	A	A	A

* Insulate and store.

† Use M1W cord.

Notes:

1. Use normal connections for tip party identification ground station. If bell taps on station connected to long-line equipment, reverse ringer leads as shown in this column to retain proper tip party identification.
2. To permanently silence ringer for all classes of service except identifying ground, connect (Y) strap to R terminal on 283B plug.
 - (a) For 1000Ω identifying ground insulate, store, or place (R) ringer lead on unused terminal.
 - (b) For 2650Ω identifying ground insulate, store, or place (BK) ringer lead on unused terminal.

TABLE E

**750A AND 750B TELEPHONE SETS (CURRENT MODELS) LINE, RINGER, AND 426A TUBE CONNECTIONS
FOR SELECTIVE RINGING SERVICE**

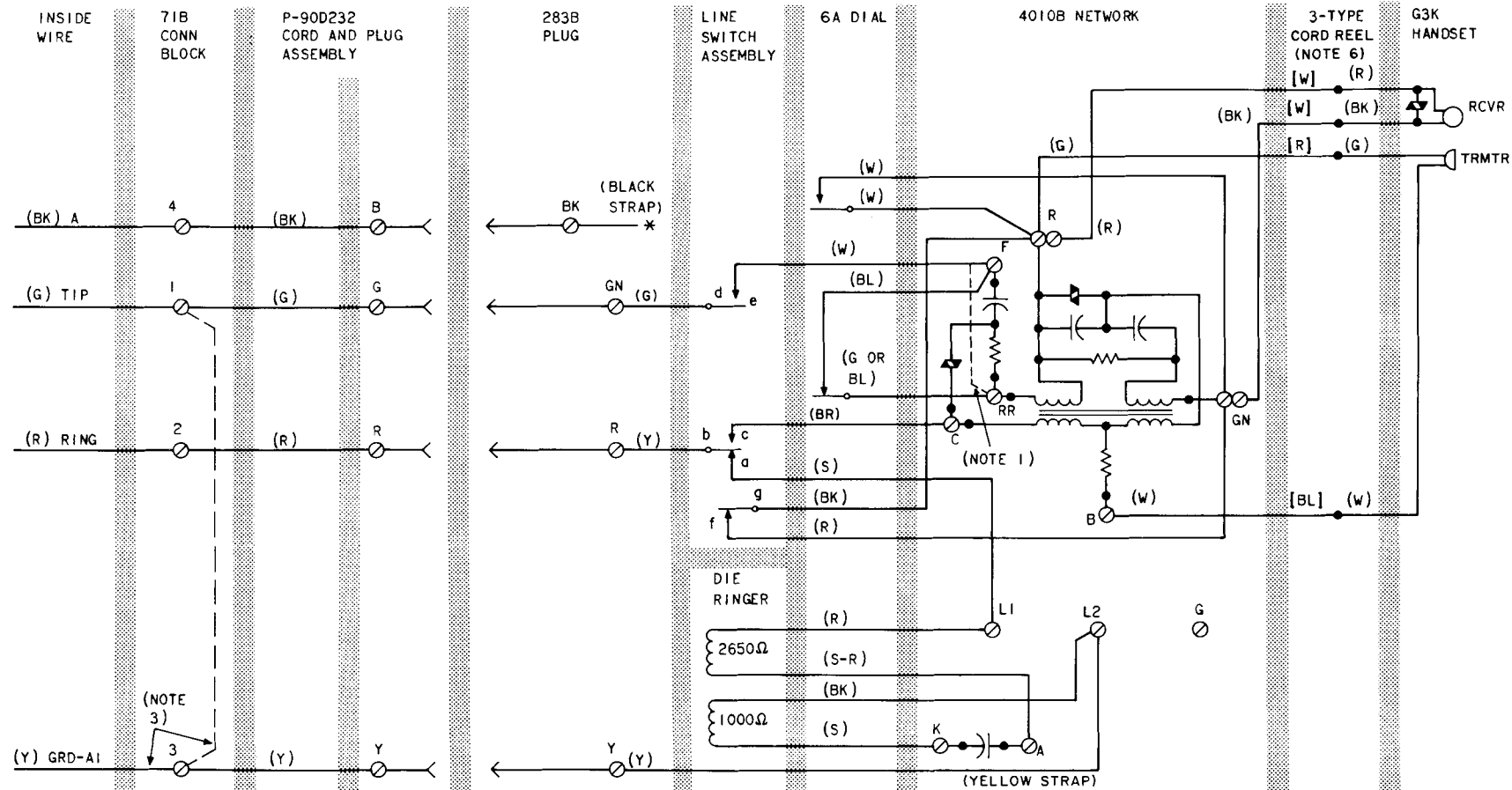
WIRE OR LEAD		COLOR	NEGATIVE (−) PARTIES						POSITIVE (+) PARTIES					
			RING STATION 1 AND 5			TIP STATION 2 AND 6			RING STATION 3 AND 7			TIP STATION 4 AND 8		
			71B CONN BLOCK	283B PLUG	NET.	71B CONN BLOCK	283B PLUG	NET.	71B CONN BLOCK	283B PLUG	NET.	71B CONN BLOCK	283B PLUG	NET.
CO Line at Terminal Strip	Ring	R	2			1			2			1		
	Tip	G	1			2			1			2		
	GRD	Y	3			3			3			3		
Ringer Leads		R			L2			L2			L2			L2
		BK			L2			L2			L2			L2
		S			K			K			K			K
		S-R			A			A			A			A
Straps		Y		Y ↔ L2		Y ↔ L2			Y ↔ L1			Y ↔ L1		
		BK		BK ↔ K		BK ↔ K			BK ↔ K			BK ↔ K		
426A Tube (3-Element)		BK	4			4			4			4		
		R	1			1			2			2		
		Y	2			2			3			3		
Line Switch		S			*			*			L2			L2

* Insulate and store.

TABLE F
750A AND 750B TELEPHONE SETS (CURRENT MODELS) LINE, RINGER, AND 425A TUBE CONNECTIONS
FOR SELECTIVE RINGING SERVICE AND NOISE REDUCTION

WIRE OR LEAD		COLOR	NEGATIVE (—) PARTIES						POSITIVE (+) PARTIES					
			RING STATION 1 AND 5			TIP STATION 2 AND 6			RING STATION 3 AND 7			TIP STATION 4 AND 8		
			71B CONN BLOCK	283B PLUG	NET.	71B CONN BLOCK	283B PLUG	NET.	71B CONN BLOCK	283B PLUG	NET.	71B CONN BLOCK	283B PLUG	NET.
CO Line at Terminal Strip	Ring	R	2			1			2			1		
	Tip	G	1			2			1			2		
	GRD	Y	3			3			3			3		
Ringer Leads		R			L2			L2			K			K
		BK			L2			L2			A			A
		S			K			K			L2			L2
		S-R			A			A			L2			L2
Straps		Y		Y ↔ L1			Y ↔ L1			Y ↔ L2			Y ↔ L2	
		BK		BK ↔ K			BK ↔ K			BK ↔ K			BK ↔ K	
425A Tube (4-Element)		R	1			1			2			2		
		G	2			2			1			1		
		BK	3			3			2			2		
		Y	4			4			4			4		
Line Switch		S			L2			L2			*			*

* Insulate and store.



NOTES:

1. FOR MANUAL SERVICE MOVE (W) LINE SWITCH LEAD FROM NETWORK TERM. F TO RR AND (W) DIAL LEAD FROM TERM. R TO GN. DIAL REMAINS IN SET.
2. CONNECT A LEAD AS SHOWN FOR USE WITH 1A1 OR 1A2 KEY TELEPHONE SYSTEMS; SEE TABLE C FOR SET WIRING MODIFICATIONS.
3. GROUND MAY BE OMITTED AND TERMINALS STRAPPED AS SHOWN (MIW CORD) FOR INDIVIDUAL OR BRIDGED RINGER CONNECTION.
4. SET FACTORY-WIRED FOR RING PARTY. SEE TABLE D, E, AND F FOR CLASSES OF SERVICE NOT SHOWN.
5. LINE SWITCH OFF-HOOK SEQUENCE.
 - (1) b-c CLOSES
 - (2) d-e CLOSES
 - (3) a-b OPENS
 - (4) f-g OPENS

6. [] DENOTES LEAD COLOR FOR 3A CORD REEL.
- () DENOTES LEAD COLOR FOR 3B CORD REEL.
- * INSULATE OR STORE ON SPARE TERMINAL.

Fig. 8—750A and 750B Telephone Sets, Connections (Current Models)

TABLE G
750A AND 750B TELEPHONE SETS (LATER MODELS) LINE AND RINGER CONNECTIONS

WIRE OR LEAD		COLOR	INDIVIDUAL OR BRIDGED (FACTORY WIRING)			RING PARTY			TIP PARTY			TIP PARTY WITH IDENTIFICATION GROUND											
												NORMAL CONNECTIONS						RINGER REVERSAL (NOTE 1)					
												1000 OHMS			2650 OHMS			1000 OHMS			2650 OHMS		
												TB2	283B PLUG	NET.	TB2	283B PLUG	NET.	TB2	283B PLUG	NET.	TB2	283B PLUG	NET.
C. O. LINE AT TERMINAL STRIP	RING	R	2			2			1			1			1			1			1		
	TIP	G	1			1			2			2			2			2			2		
	GRD	Y	3*			3			3			3			3			3			3		
RINGER LEADS			TB1	283B PLUG	NET.	TB1	283B PLUG	NET.	TB1	283B PLUG	NET.	TB1	283B PLUG	NET.	TB1	283B PLUG	NET.	TB1	283B PLUG	NET.	TB1	283B PLUG	NET.
		R		R			R			R		2			2			1				Y	
		BK	1			1			1			2			2				Y		1		
		S			K			K			K		Y		1			2			2		
		S-R	2			2			2			1				Y		2			2		
TB1 STRAPS (NOTE 2)		BK		GN			Y			Y				K			K			K			K
		S-R			A			A			A			B			B			B			B
LINE SWITCH		S		R			R			R				A			A			A			A

* Ground may be omitted if not required for service.

Note 1: Use normal connections for tip party identification ground station. If bell taps on station connected to long line equipment, reverse ringer leads as shown in this column to retain proper tip party identification.

2: One end of straps permanently soldered to TB1, other end equipped with spade tip terminal.

3: To permanently silence ringer for all classes of service except identifying ground, remove (S) ringer lead from terminal K and store on terminal G of network.

(a) For 1000 Ω identifying ground insulate, store, or place (R) ringer lead on unused terminal.

(b) For 2650 Ω identifying ground insulate, store, or place (BK) ringer lead on unused terminal.

TABLE H
750A AND 750B TELEPHONE SETS (LATER MODELS) LINE, RINGER, AND 426A TUBE CONNECTIONS
FOR SELECTIVE RINGING SERVICE

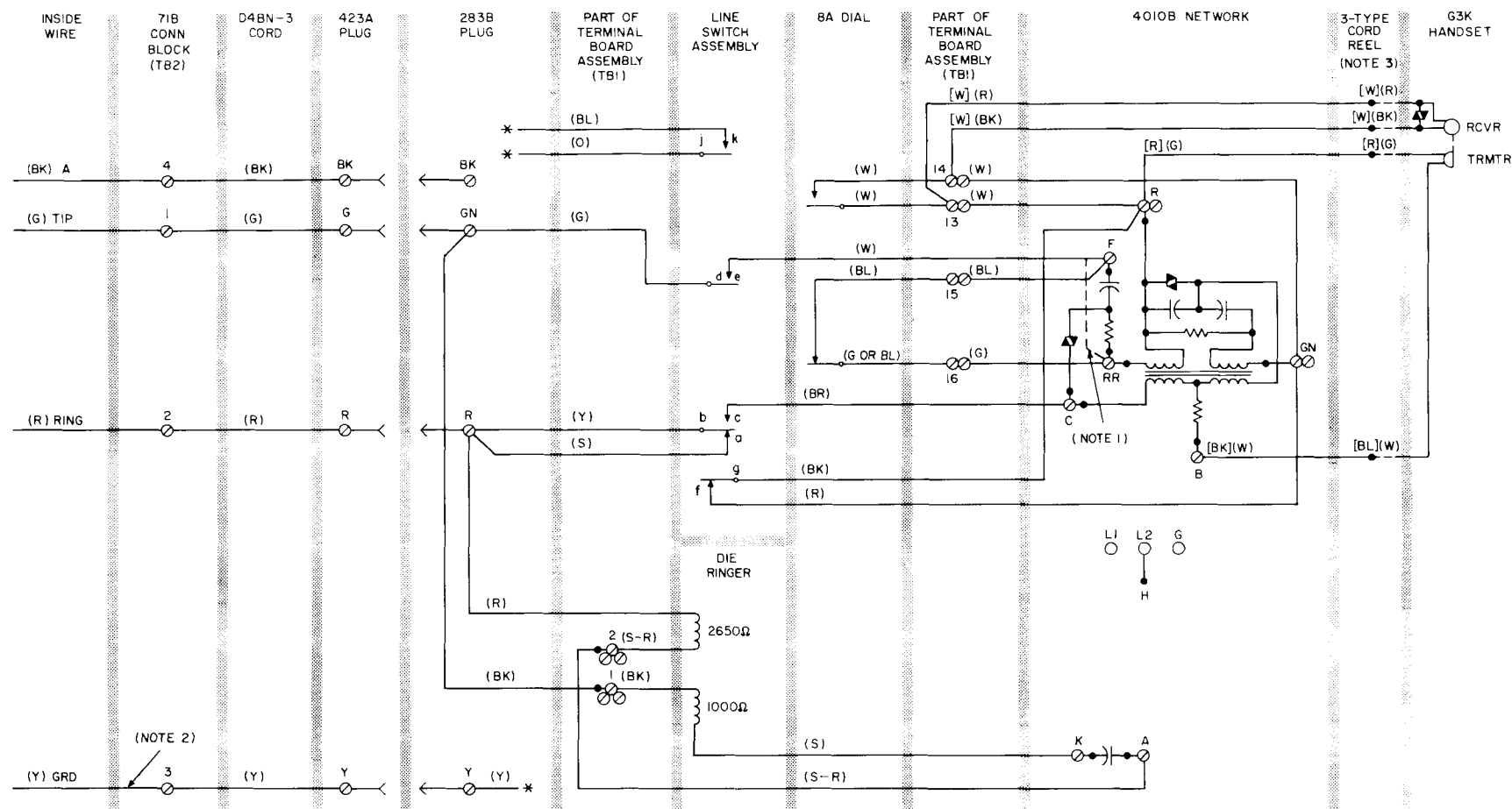
WIRE OR LEAD		COLOR	NEGATIVE (—) PARTIES								POSITIVE (+) PARTIES							
			RING STATION 1 AND 5				TIP STATION 2 AND 6				RING STATION 3 AND 7				TIP STATION 4 AND 8			
			TB2	TB1	283B PLUG	NET.	TB2	TB1	283B PLUG	NET.	TB2	TB1	283B PLUG	NET.	TB2	TB1	283B PLUG	NET.
C. O. LINE AT TERMINAL STRIP	RING	R	2				1				2				1			
	TIP	G	1				2				1				2			
	GRD	Y	3				3				3				3			
RINGER LEADS		R		1				1				1				1		
		BK		1				1				1				1		
		S				K				K				K				K
		S-R		2				2				2				2		
TB1 STRAPS (NOTE)		BK			Y				Y				R				R	
		S-R				A				A				A				A
426A TUBE (3-ELEMENT)		BK				A				A				A				A
		R			GN				GN				1				1	
		Y			R				R				Y				Y	

Note: One end of straps permanently soldered to TB1, other end equipped with spade tip terminal.

TABLE I
750A AND 750B TELEPHONE SETS (LATER MODELS) LINE, RINGER, AND 425A TUBE CONNECTIONS
FOR SELECTIVE RINGING SERVICE AND NOISE REDUCTION

WIRE OR LEAD		COLOR	NEGATIVE (—) PARTIES								POSITIVE (+) PARTIES							
			RING STATION 1 AND 5				TIP STATION 2 AND 6				RING STATION 3 AND 7				TIP STATION 4 AND 8			
			TB2	TB1	283B PLUG	NET.	TB2	TB1	283B PLUG	NET.	TB2	TB1	283B PLUG	NET.	TB2	TB1	283B PLUG	NET.
C. O. LINE AT TERMINAL STRIP	RING	R	2				1				2				1			
	TIP	G	1				2				1				2			
	GRD	Y	3				3				3				3			
RINGER LEADS		R		1				1						K				K
		BK		1				1				2				2		
		S				K				K			Y				Y	
		S-R		2				2					Y				Y	
TB1 STRAPS (NOTE)		BK			R				R				R				R	
		S-R				A				A				A				A
425A TUBE (4-ELEMENT)		R			GN				GN			1				1		
		G		1				1					GN				GN	
		BK			Y				Y			1				1		
		Y				A				A				K				K

Note: One end of straps permanently soldered to TB1, other end equipped with spade tip terminal.



NOTES:

1. FOR MANUEL SERVICE MOVE (W) LINE SWITCH LEAD FROM NETWORK TERM F TO RR AND (W) DIAL LEAD FROM TERM 14 TO TERM 13. DIAL REMAINS IN SET.
2. GROUND MAYBE OMITTED IF NOT REQUIRED FOR SERVICE.
3. () 3A CORD REEL LEAD COLORS.
() 3B CORD REEL LEAD COLORS.
4. SET FACTORY WIRED FOR BRIDGED SERVICE REFER TO TABLES G, H, AND I FOR CLASSES OF SERVICE NOT SHOWN.
5. LINE SWITCH OFF-HOOK SEQUENCE:
(1) bc CLOSES (4) ab OPENS
(2) de CLOSES (5) fg OPENS
(3) jk CLOSES
6. CONNECT A LEAD AS SHOWN FOR USE WITH 1A1 OR 1A2 KEY TELEPHONE SYSTEMS; SEE TABLE C FOR SET WIRING MODIFICATIONS.

- ⊙ INDICATES TERMINAL WITH SCREW
- INDICATES TERMINAL WITHOUT SCREW
- * INSULATE AND STORE

Fig. 9—750A and 750B Telephone Sets, Connections (Later Models)

TABLE J

750A AND 750B TELEPHONE SETS (EARLY MODELS) LINE AND RINGER CONNECTIONS

WIRE OR LEAD		COLOR	INDIVIDUAL OR BRIDGED (FACTORY WIRING)			RING PARTY			TIP PARTY			TIP PARTY WITH IDENTIFICATION GROUND											
												NORMAL CONNECTIONS						RINGER REVERSAL (NOTE 1)					
												1000 OHMS			2650 OHMS			1000 OHMS			2650 OHMS		
			TB2	283B PLUG	NET	TB2	283B PLUG	NET	TB2	283B PLUG	NET	TB2	283B PLUG	NET	TB2	283B PLUG	NET	TB2	283B PLUG	NET	TB2	283B PLUG	NET
C. O. LINE AT TERMINAL STRIP	RING	R	2			2			1			1			1			1			1		
	TIP	G	1			1			2			2			2			2			2		
	GRD	Y	3*			3			3			3			3			3			3		
RINGER LEADS		R	TB1	283B PLUG	NET	TB1	283B PLUG	NET	TB1	283B PLUG	NET	TB1	283B PLUG	NET	TB1	283B PLUG	NET	TB1	283B PLUG	NET	TB1	283B PLUG	NET
			R			R			R			SR			SR			BK				Y	
			BK	BK		BK			BK			SR			SR			Y			BK		
			S		K			K			K		Y		BK			SR			SR		
			S-R	SR		SR			SR			BK				Y		SR			SR		
TB1 STRAPS (NOTE 2)		R		R			R			R			R			R			R			R	
		BK		GN			Y			Y				K			K			K			K
		S-R			A			A			A			B			B			B			B
LINE SWITCH		S		R			R			R				A			A			A			A

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

Note 1: Use normal connections for tip party identification ground station. If bell taps on station connected to long line equipment, reverse ringer leads as shown in this column to retain proper tip party identification.

2: One end of straps permanently soldered to TB1, other end equipped with spade tip terminal.

3: To permanently silence ringer for all classes of service except identifying ground, remove (S) ringer lead from terminal K and store on terminal G of network.

(a) For 1000 Ω identifying ground insulate, store, or place (R) ringer lead on unused terminal.

(b) For 2650 Ω identifying ground insulate, store, or place (BK) ringer lead on unused terminal.

TABLE K
750A AND 750B TELEPHONE SETS (EARLY MODELS) LINE, RINGER, AND 426A TUBE CONNECTIONS
FOR SELECTIVE RINGING SERVICE

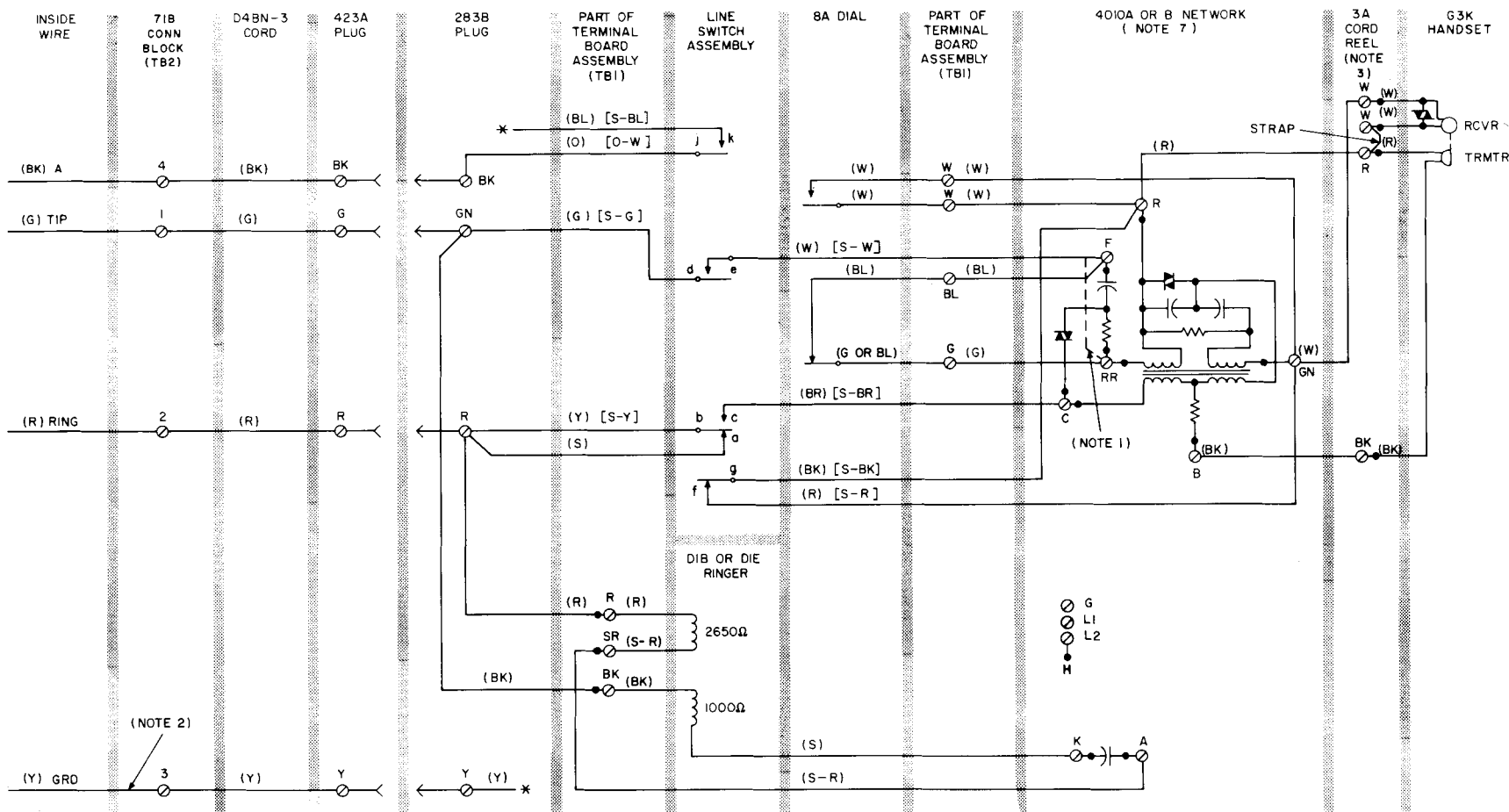
WIRE OR LEAD		COLOR	NEGATIVE (—) PARTIES								POSITIVE (+) PARTIES							
			RING STATION 1 AND 5				TIP STATION 2 AND 6				RING STATION 3 AND 7				TIP STATION 4 AND 8			
			TB2	TB1	283B PLUG	NET.	TB2	TB1	283B PLUG	NET.	TB2	TB1	283B PLUG	NET.	TB2	TB1	283B PLUG	NET.
C. O. LINE AT TERMINAL STRIP	RING	R	2				1				2				1			
	TIP	G	1				2				1				2			
	GRD	Y	3				3				3				3			
RINGER LEADS		R		BK				BK				R				R		
		BK		BK				BK				BK				BK		
		S				K				K				K				K
		S-R		SR				SR				SR				SR		
TB1 STRAPS (NOTE)		R			R				R				R				R	
		BK			Y				Y				R				R	
		S-R				A				A				A				A
426A TUBE (3-ELEMENT)		BK				A				A				A				A
		R			GN				GN				BK				BK	
		Y		R				R					Y				Y	

Note: One end of straps permanently soldered to TB1, other end equipped with spade tip terminal.

TABLE I
750A AND 750B TELEPHONE SETS (EARLY MODELS) LINE, RINGER, AND 425A TUBE CONNECTIONS
FOR SELECTIVE RINGING SERVICE AND NOISE REDUCTION

WIRE OR LEAD		COLOR	NEGATIVE (—) PARTIES								POSITIVE (+) PARTIES							
			RING STATION 1 AND 5				TIP STATION 2 AND 6				RING STATION 3 AND 7				TIP STATION 4 AND 8			
			TB2	TB1	283B PLUG	NET.	TB2	TB1	283B PLUG	NET.	TB2	TB1	283B PLUG	NET.	TB2	TB1	283B PLUG	NET.
C. O. LINE AT TERMINAL STRIP	RING	R	2				1				2				1			
	TIP	G	1				2				1				2			
	GRD	Y	3				3				3				3			
RINGER LEADS		R		R				R				R				R		
		BK		BK				BK				BK				BK		
		S				K				K		SR		K		SR		K
		S-R		SR				SR				SR				SR		
TB1 STRAPS (NOTE)		R			R				R					K				K
		BK		R				R						A				A
		S-R				A				A			Y				Y	
425A TUBE (4-ELEMENT)		R			GN				GN				R				R	
		G		BK				BK					GN				GN	
		BK			Y				Y				R				R	
		Y				A				A		R				R		

Note: One end of straps permanently soldered to TB1, other end equipped with spade tip terminal.



NOTES:

1. FOR MANUAL SERVICE MOVE (W) [S-W] LINE SWITCH. LEAD FROM NETWORK TERMINAL F TO RR. DIAL REMAINS IN SET.
2. GROUND MAY BE OMITTED IF NOT REQUIRED FOR SERVICE.
3. LATE PRODUCTION CORD REELS ARE NOT EQUIPPED WITH TERMINAL STRIP.
4. SET FACTORY-WIRED FOR BRIDGED SERVICE, REFER TO TABLES J, K, AND L FOR CLASSES OF SERVICE NOT SHOWN.

5. LINE SWITCH OFF-HOOK SEQUENCE:

- (1) bc CLOSES (4) ab OPENS
- (2) de CLOSES (5) fg OPENS
- (3) jk CLOSES

6. CONNECT A LEAD AS SHOWN FOR USE WITH 1A1 OR 1A2 KEY TELEPHONE SYSTEMS; SEE TABLE C FOR SET WIRING MODIFICATIONS.

7. 4010B NETWORK IS EQUIPPED WITH TERMINALS G, L1, L2, AND H.
 * INSULATE AND STORE.
 () CURRENT COLOR CODE.
 [] MD COLOR CODE.

Fig. 10—750A and 750B Telephone Sets Connections (Early Models)