

TELEPHONE SETS—750A AND 750B CONNECTIONS

1. GENERAL

1.01 This section is reissued to include information on the 3B cord reel used as a component of current production panel style telephone sets, to include operating temperature limitations for the 3-type cord reel, and to show current connections for electron tubes used for selective ringing service. Since this reissue covers a general revision, arrows ordinarily used to indicate changes have been omitted.



Current production models are equipped with the 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.

1.02 The 3B cord reel is similar to the 3A cord reel except that the conductor insulation and outer covering is poly-vinyl chloride (PVC) material. The conductor insulation of 3A cord reels is braided nylon.

2. PERMANENTLY SILENCED RINGER

2.01 To silence ringer permanently, proceed as follows:

- (1) For all classes of service except tip party identification, remove, insulate, and store the (BK) ringer lead from **BK** (early model) or **I** (later model) terminal of TB1.
- (2) For tip party service with 1000 ohm identification ground, remove, insulate, and

store the (S-R) ringer lead from **BK** (early model) or **I** (later model) terminal of TB1.

- (3) For tip party service with 2650 ohm identification ground, remove, insulate, and store the (BK) strap lead of terminal board (TB1) from **K** of network.

3. CONNECTION INDEX

Table A—750A and 750B Telephone Sets (Later Models) Line and Ringer Connections

Table B—750A and 750B Telephone Sets (Later Models) Line, Ringer, and 426A Tube Connections for Selective Ringing Service

Table C—750A and 750B Telephone Sets (Later Models) Line, Ringer, and 425A Tube Connections for Selective Ringing Service and Noise Reduction

Table D—750A and 750B Telephone Set (Early Models) Line and Ringer Connections

Table E—750A and 750B Telephone Sets (Early Models) Line, Ringer, and 426A Tube Connections for Selective Ringing Service

Table F—750A and 750B Telephone Sets (Early Models) Line, Ringer, and 425A Tube Connections for Selective Ringing Service and Noise Reduction

Fig. 1—750A and 750B Telephone Sets (Later Models)—Connections

Fig. 2—750A and 750B Telephone Sets (Early Models)—Connections

TABLE A
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.	TB2
C. O. LINE AT TERMINAL STRIP	RING	R	2			2			1			1			1			1						
	TIP	G	1			1			2			2			2			2						
	GRD	Y	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.

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

TABLE B
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 C
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.

TABLE D

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
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			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	K
	S-R			A			A			A			B			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.

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

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

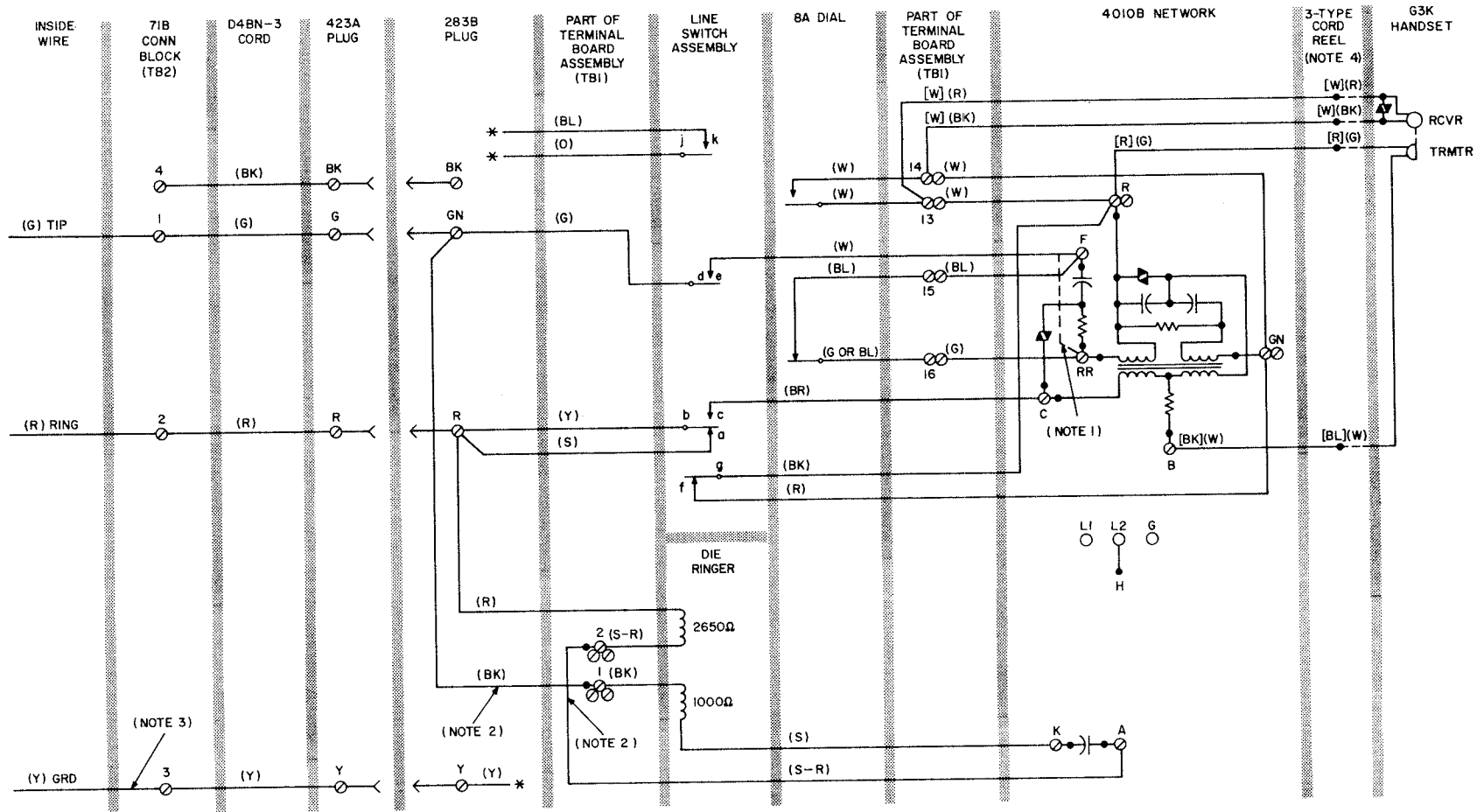
WIRE OR LEAD		COLOR	NEGATIVE (-) PARTIES								POSITIVE (+) PARTIES							
			RING STATION 1 AND 5				TIP STATION 2 AND 6				RING STATION 3 AND 7				TIP STATION 4 AND 8			
			TB2	TB1	283B PLUG	NET.	TB2	TB1	283B PLUG	NET.	TB2	TB1	283B PLUG	NET.	TB2	TB1	283B PLUG	NET.
C. O. LINE AT TERMINAL STRIP	RING	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 F
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.

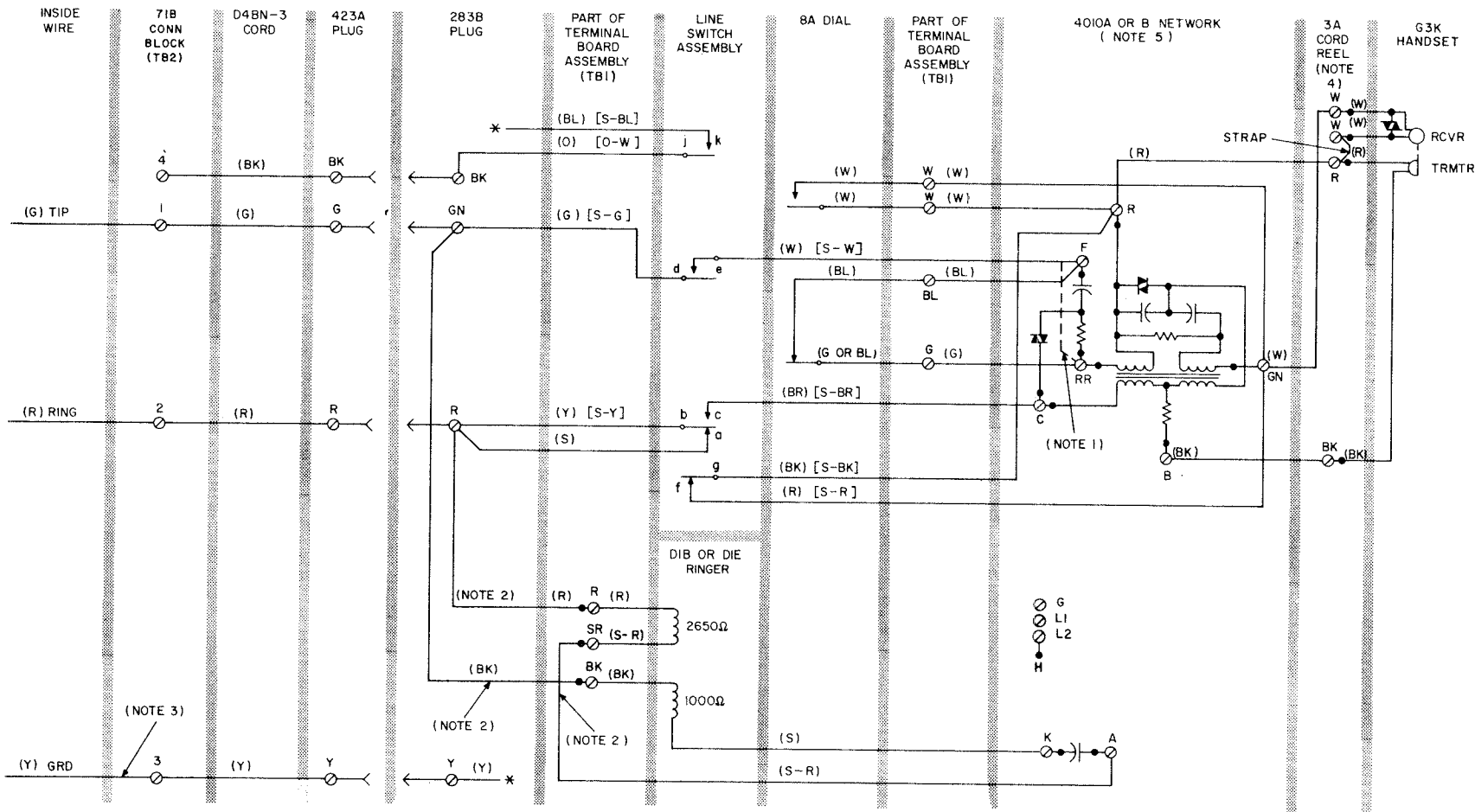


NOTES:

1. FOR MANUAL SERVICE MOVE (W) LINE SWITCH LEAD FROM NETWORK TERMINAL F TO RR. DIAL REMAINS IN SET.
2. SEE TABLE C FOR TERMINATION OF THESE LEADS.
3. GROUND MAY BE OMITTED IF NOT REQUIRED FOR SERVICE.
4. [] DENOTES 3A CORD REEL LEAD COLORS.
() DENOTES 3B CORD REEL LEAD COLORS.

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

Fig. 1—750A and 750B Telephone Sets, (Later Models)—Connections



NOTES:

1. FOR MANUAL SERVICE MOVE (W) [S-W] LINE SWITCH. LEAD FROM NETWORK TERMINAL F TO RR. DIAL REMAINS IN SET.
2. SEE TABLE A FOR TERMINATION OF THESE LEADS.
3. GROUND MAY BE OMITTED IF NOT REQUIRED FOR SERVICE.
4. LATE PRODUCTION CORD REELS ARE NOT EQUIPPED WITH TERMINAL STRIP.
5. 4010B NETWORK IS EQUIPPED WITH TERMINALS G, L1, L2, AND H.
 * INSULATE AND STORE.
 () INDICATES CURRENT COLOR CODE.
 [] INDICATES MD COLOR CODE.

Fig. 2—750A and 750B Telephone Sets (Early Models)—Connections