

SERVICE

660-TYPE TELEPHONE SETS

1. GENERAL

1.01 These sets are supplied factory wired as a 660A1 only. Modification kits are available for field conversion of the basic set to provide exclusion. For ordering and installation information refer to the appropriate Reference section in Division 502.

1.02 Connection information was formerly found in Section 502-660-400 which will be canceled.

1.03 For speakerphone connections refer to Division 512.

Model	Part No.							
660A1	660A1	660A1	660A1	660A1	660A1	660A1	660A1	660A1
660A2	660A2	660A2	660A2	660A2	660A2	660A2	660A2	660A2
660A3	660A3	660A3	660A3	660A3	660A3	660A3	660A3	660A3
660A4	660A4	660A4	660A4	660A4	660A4	660A4	660A4	660A4
660A5	660A5	660A5	660A5	660A5	660A5	660A5	660A5	660A5
660A6	660A6	660A6	660A6	660A6	660A6	660A6	660A6	660A6
660A7	660A7	660A7	660A7	660A7	660A7	660A7	660A7	660A7
660A8	660A8	660A8	660A8	660A8	660A8	660A8	660A8	660A8
660A9	660A9	660A9	660A9	660A9	660A9	660A9	660A9	660A9
660A10	660A10	660A10	660A10	660A10	660A10	660A10	660A10	660A10
660A11	660A11	660A11	660A11	660A11	660A11	660A11	660A11	660A11
660A12	660A12	660A12	660A12	660A12	660A12	660A12	660A12	660A12
660A13	660A13	660A13	660A13	660A13	660A13	660A13	660A13	660A13
660A14	660A14	660A14	660A14	660A14	660A14	660A14	660A14	660A14
660A15	660A15	660A15	660A15	660A15	660A15	660A15	660A15	660A15
660A16	660A16	660A16	660A16	660A16	660A16	660A16	660A16	660A16
660A17	660A17	660A17	660A17	660A17	660A17	660A17	660A17	660A17
660A18	660A18	660A18	660A18	660A18	660A18	660A18	660A18	660A18
660A19	660A19	660A19	660A19	660A19	660A19	660A19	660A19	660A19
660A20	660A20	660A20	660A20	660A20	660A20	660A20	660A20	660A20

TABLE A

LINE AND RINGER CONNECTIONS — 660A1 TELEPHONE SET

WIRE OR LEAD		INDIV OR BRIDGED	RING PARTY	TIP PARTY			1A1 OR 1A2 KEY TEL SYSTEM (NOTE)
				NO IDENT GROUND	IDENTIFYING GROUND		
					1000Ω	2650Ω	
Line Wire	Tip	1	1	1	1	1	1
	Ring	2	2	2	2	2	2
	Grd A1	5*	5	5	5	5	5
	A						4
Mounting Cord	G	1	1	2	2	2	1
	R	2	2	1	1	1	2
	Y	1	5	5	5	5	5
	BK	4	4	4	4	4	4
Mounting Cord in Set	G	L1	L1	L1	L1	L1	L1
	R	L2	L2	L2	L2	L2	L2
	Y	G†	G†	G†	G†	G†	2
	BK	1	1	1	1	1	1
Ringer Leads	R	7	7	7	7	7	7
	BK	8	8	8	8	8	8
	S	9	9	9	9	9	9
	S-R	10	10	10	10	10	10
Ringer Straps	R	L2	L2	L2	K	B	L2
	BK	G	G	G	G	B	C
	S	K	K	K	B	K	K
	S-R	A	A	A	B	G	A
Line Switch	S	L2	L2	L2	A†	A†	2
	[S-W] (Y)	L2	L2	L2	L2	L2	2
	[S-G] (BR)	C†	C†	C†	C†	C†	1
	[S-Y] (G)	L1	L1	L1	L1	L1	L2

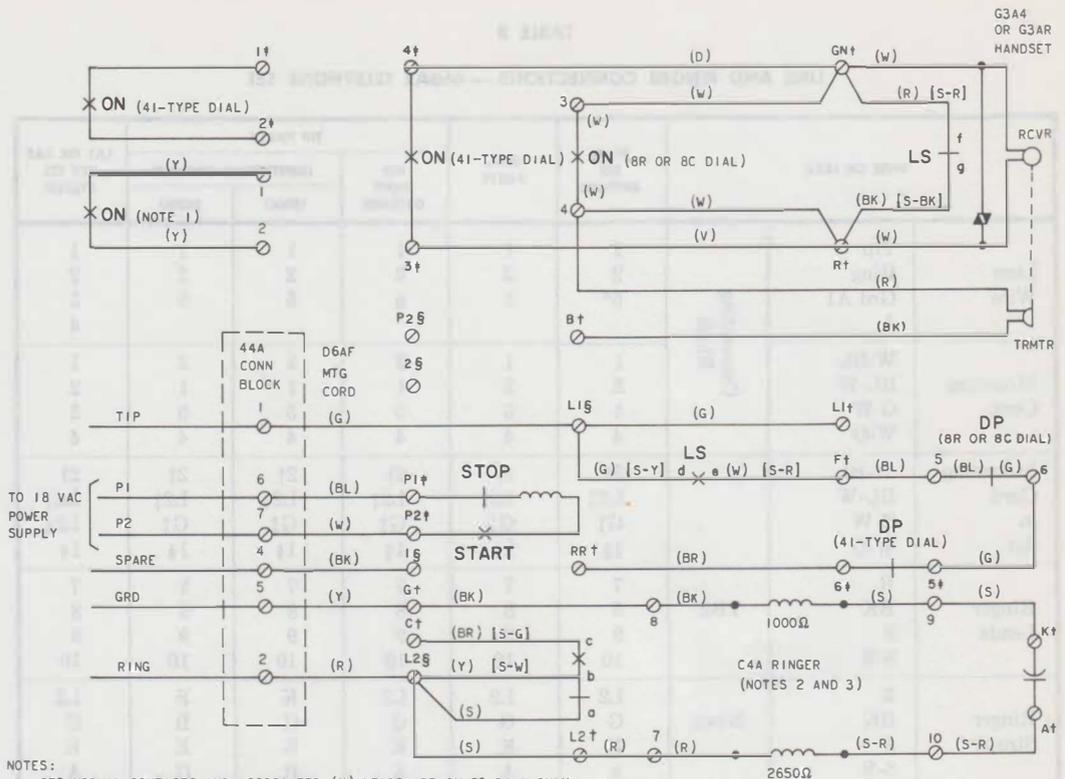
* Ground may be omitted if not required for service. Not required for protection of 41-type dial power supply.

† Terminals on network.

() Current color code.

[] MD color code.

Note Move (G) strap from L1 of network to C of network.



NOTES:

1. OFF-NORMAL CONTACTS AND ASSOCIATED (Y) LEADS ARE ON 8C DIAL ONLY.
2. IF CAPACITOR IS NOT REQUIRED IN RINGER CIRCUIT MOVE (S) RINGER LEAD TO TERMINAL 10 ON TB2. FOR LINE AND RINGER CONNECTIONS REFER TO TABLE A.
3. TO SILENCE RINGER PERMANENTLY MOVE (R) RINGER LEAD TO TERMINAL 10 AND (BK) RINGER LEAD TO TERMINAL 9 OF TB2.
4. LINE SWITCH SEQUENCE:
 - bc - MAKES
 - de - MAKES
 - ab - BREAKS
 - fg - BREAKS

() - CURRENT COLOR CODE
 [] - MD COLOR CODE

† - NETWORK TERMINAL, UNDESIGNATED TERMINALS ARE ON TB2

‡ - TERMINAL ON 41-TYPE DIAL

§ - TERMINAL ON TB1

DP - DIAL PULSE CONTACTS

LS - LINE SWITCH

ON - DIAL OFF-NORMAL CONTACTS

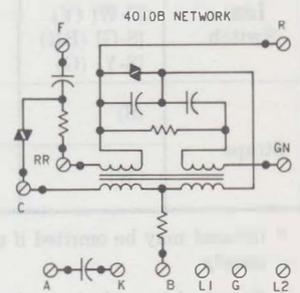


Fig. 1—660A1 Telephone Set, Connections

TABLE B

LINE AND RINGER CONNECTIONS — 660A2 TELEPHONE SET

WIRE OR LEAD		INDIV OR BRIDGED	RING PARTY	TIP PARTY			1A1 OR 1A2 KEY TEL SYSTEM	
				NO IDENT GROUND	IDENTIFYING GROUND			
					1000Ω	2650Ω		
Line Wire	Tip	1	1	1	1	1	1	
	Ring	2	2	2	2	2	2	
	Grd A1	5*	5	5	5	5	5	
	A						4	
Mounting Cord	W-BL	1	1	2	2	2	1	
	BL-W	2	2	1	1	1	2	
	O-W	1	5	5	5	5	5	
	W-O	4	4	4	4	4	4	
Mounting Cord in Set	W-BL	2†	2†	2†	2†	2†	2†	
	BL-W	L2‡	L2‡	L2‡	L2‡	L2‡	L2‡	
	O-W	G‡	G‡	G‡	G‡	G‡	L2§	
	W-O	1§	1§	1§	1§	1§	1§	
Ringer Leads	R	7	7	7	7	7	7	
	BK	8	8	8	8	8	8	
	S	9	9	9	9	9	9	
	S-R	10	10	10	10	10	10	
Ringer Straps	R	L2	L2	L2	K	B	L2	
	BK	G	G	G	G	B	C	
	S	K	K	K	B	K	K	
	S-R	A	A	A	B	G	A	
Line Switch	S	L2	L2	L2	A†	A†	L2	
	[S-W] (Y)	L2	L2	L2	L2	L2	L2	
	[S-G] (BR)	C‡	C‡	C‡	C‡	C‡	1§	
	[S-Y] (G)	2†	2†	2†	2†	2†	L2‡	
Straps	(S)	L2§ to L2‡	L2§ to L2‡	L2§ to L2‡	L2§ to L2‡	L2§ to L2‡	L2§ to L2‡	1† to L2‡
	(W)	L2§ to 1†	L2§ to 1†	L2§ to 1†	L2§ to 1†	L2§ to 1†	L2§ to 1†	2† to C‡

* Ground may be omitted if not required for service. Not required for protection of 41-type dial power supply.

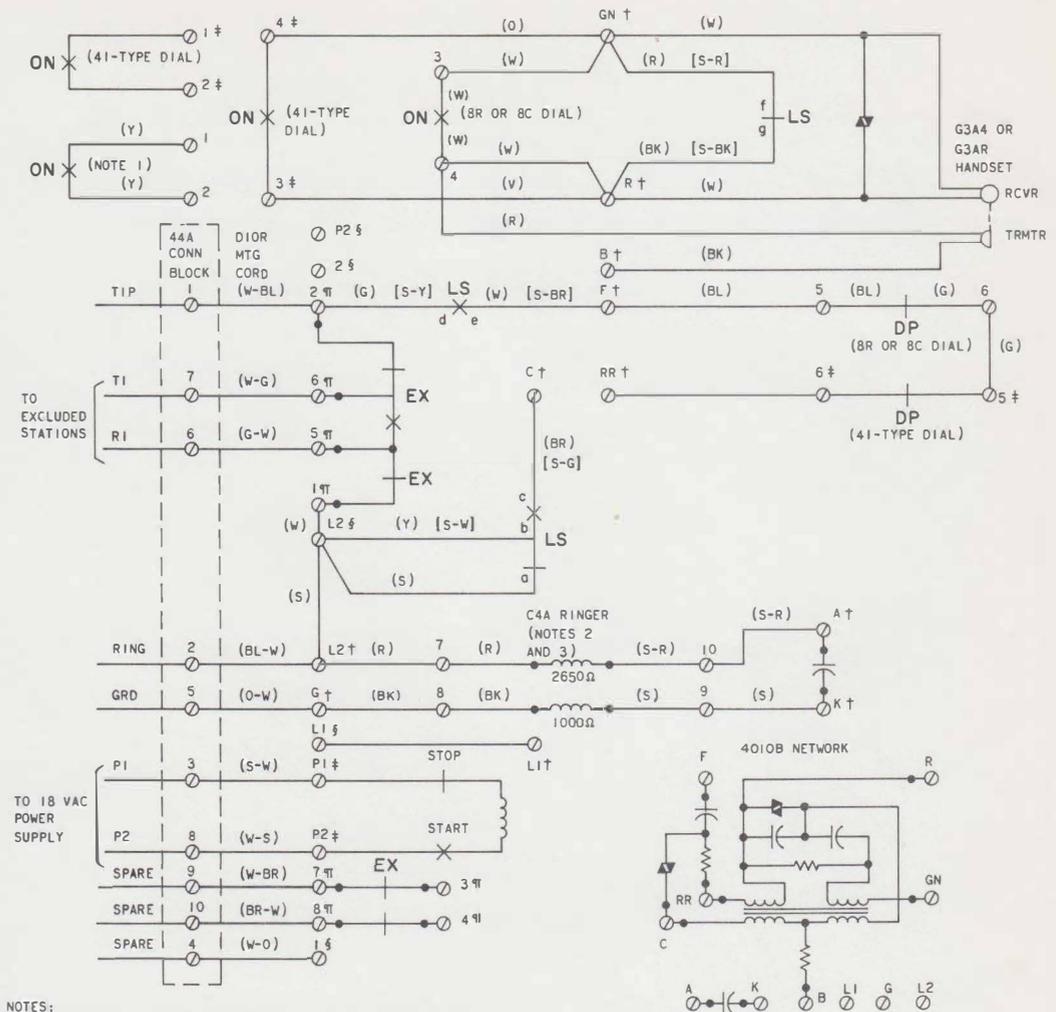
† Terminal on exclusion switch terminal board.

‡ Terminal on network.

§ TB1.

() Current color code.

[] MD color code.



- NOTES:
1. OFF-NORMAL CONTACTS AND ASSOCIATED (Y) LEADS ARE ON BC DIAL ONLY.
 2. IF CAPACITOR IS NOT REQUIRED IN RINGER CIRCUIT MOVE (S) RINGER LEAD TO TERMINAL 10 ON TB2. FOR LINE AND RINGER CONNECTIONS REFER TO TABLE B.
 3. TO SILENCE RINGER PERMANENTLY MOVE (R) RINGER LEAD TO TERMINAL 10 AND (BK) RINGER LEAD TO TERMINAL 9 OF TB2.
 4. LINE SWITCH SEQUENCE:
 - bc - MAKES
 - de - MAKES
 - ab - BREAKS
 - fg - BREAKS

- † - NETWORK TERMINAL, UNDESIGNATED TERMINALS ARE ON TB2
- ‡ - TERMINAL ON 41-TYPE DIAL
- § - TERMINAL ON TB1
- ¶ - TERMINAL ON EXCLUSION SWITCH ASSEMBLY
- () - CURRENT COLOR CODE
- [] - MD COLOR CODE
- DP - DIAL PULSE CONTACTS
- EX - EXCLUSION SWITCH
- LS - LINE SWITCH
- ON - DIAL OFF-NORMAL CONTACTS

Fig. 2—660A2 Telephone Set, Connections