# SERVICE

## 660-TYPE TELEPHONE SETS

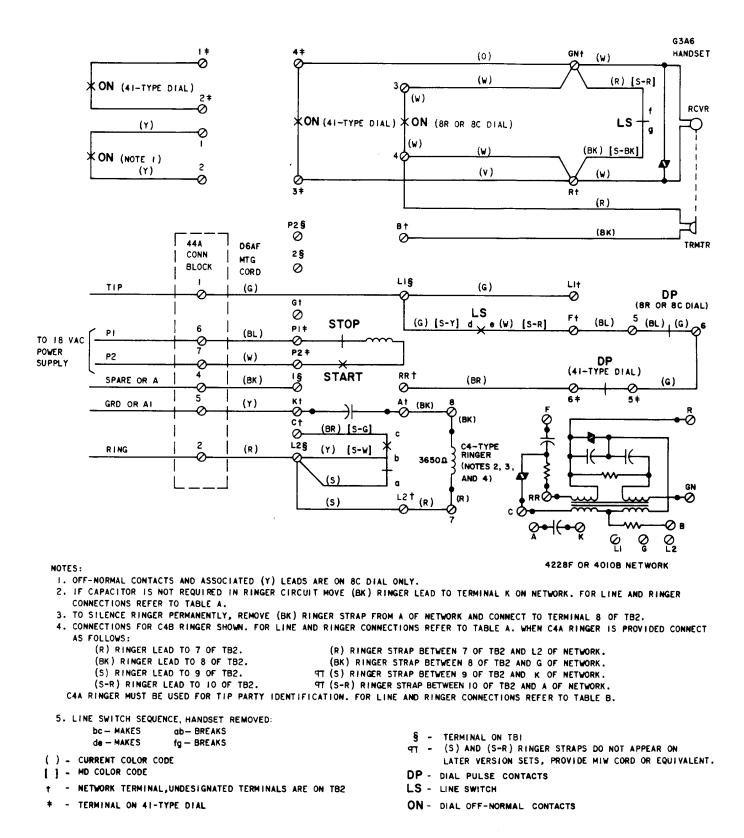
### 1. GENERAL

**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.

**1.02** Reissued to add:

- G3A6 handset
- Key systems lead designation A and A1.

- 1.03 ♦Refer to Section 502-617-405 for connection information for the 660A1M (modular) telephone set.
- **1.05** For speakerphone connections refer to Division 512.
- 1.06 ♦To install exclusion switch or for common installation and maintenance information, refer to Section 502-600-102.





ISS 3, SECTION 502-617-400

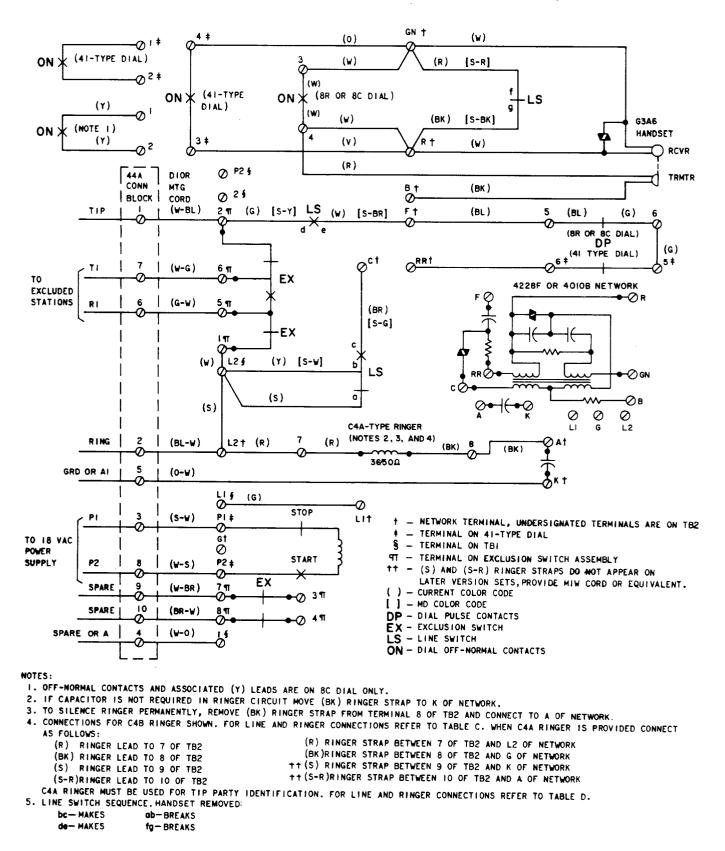


Fig. 2—660A2 Telephone Set, Connections (

## TABLE A

# LINE AND C4B RINGER CONNECTIONS - 660A1 TELEPHONE SET

	WIRE OR LEAD			RING PARTY	TIP PARTY NO IDENT GROUND	1A1 OR 1A2 KEY TEL SYSTEM (NOTE)	
Line Wire	Tip Ring Grd A1 A	seting ock	1 2 5*	1 2 5	1 2 5	1 2 5 4	
Mounting Cord	(G) (R) (Y) (BK)	Connecting Block	1 2 1 4	1 2 5 4	2 1 5 4	1 2 5 4	
Mounting Cord in Set	(G) (R) (Y) (BK)	TB1	L1 L2 K† 1	L1 L2 K† 1	L1 L2 K† 1	L1 L2 2 1	
Ringer Leads	(R) (BK)	TB2	7 8	7 8	7 8	7 8	
Ringer Straps	(R) (BK)	Net.	L2 A	L2 A	L2 A	L2 A	
Line Switch	(S) [S-W] (Y) [S-G] (BR) [S-Y] (G)	TB1	L2 L2 C† L1	L2 L2 C† L1	L2 L2 C† L1	2 2 1 L2	

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

† Terminal on network.

() Current color code.

[] MD color code.

Note: Move (G) strap from L1 to C of network and provide M1W strap between C and K of network.

## ♦TABLE B4

WIRE OR LEAD			INDIV OR BRIDGED	RING PARTY	TIP PARTY			1A1 OR 1A2
					NO IDENT	IDENTIFYING GROUND		KEY TEL SYSTEM
			BRIDGED		GROUND	1000Ω	<b>2650</b> Ω	(NOTE)
Line Wire	Tip Ring Grd A1 A	Connecting Block	1 2 5*	1 2 5	1 2 5	1 2 5	$ \begin{array}{c} 1\\ 2\\ 5 \end{array} $	1 2 5 4
Mounting Cord	(G) (R) (Y) (BK)	Conne Blc	1 2 1 4	$\begin{array}{c}1\\2\\5\\4\end{array}$	2 1 5 4	2 1 5 4	2 1 5 4	$\begin{array}{c}1\\2\\5\\4\end{array}$
Mounting Cord in Set	(G) (R) (Y) (BK)	TB1	L1 L2 G† 1	L1 L2 G† 1	L1 L2 G† 1	L1 L2 G† 1	L1 L2 G† 1	$\begin{array}{c} L1\\ L2\\ 2\\ 1\end{array}$
Ringer Leads	(R) (BK) (S) (S-R)	TB2	7 8 9 10	7 8 9 10	7 8 9 10	7 8 9 10	7 8 9 10	7 8 9 10
Ringer Straps ‡	(R) (BK) (S) (S-R)	Net.	L2 G K A	L2 G K A	L2 G K A	K G B B	B B K G	L2 C K A
Line Switch	(S) [S-W] (Y) [S-G] (BR) [S-Y] (G)	TB1	L2 L2 C† L1	L2 L2 C† L1	L2 L2 C† L1	A† L2 C† L1	A† L2 C† L1	2 2 1 L2

# LINE AND C4A RINGER CONNECTIONS --- 660A1 TELEPHONE SET

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

† Terminals on network.

 $\ddagger$  (S) and (S-R) ringer straps do not appear on later version sets, provide M1W cord or equivalent.

( ) Current color code.

[] MD color code.

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

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## TABLE C

#### TIP PARTY INDIV TAT OR TA2 RING OR BRIDGED KEY TEL SYSTEM WIRE OR LEAD NO PARTY IDENT GROUND Tip 1 1 2 5 1 2 5 1 2 5 Line Wire 2 5\* Ring Connecting Block Grd A1 Α 4 (W-BL) (BL-W) (O-W) (W-O) 1 2 1 4 1 2 5 4 2 1 5 1 2 5 Mounting Cord 4 4 2† L2‡ K‡ 1§ 2† L2‡ K‡ 1§ Mounting (W-BL) 2† L2‡ K‡ 2† L2‡ L2§ (BL-W) (O-W) (W-O) Cord in $\mathbf{Set}$ 1§ 1§ Ringer 7 8 (R) (BK) 7 8 7 8 7 TB2 Leads 8 (R) (BK) L2 Ringer L2L2L2Net. Straps Α А Ā A (S) [S-W] (Y) [S-G] (BR) [S-Y] (G) L2 L2 C‡ 2† L2 L2 C‡ L2 L2 L2 C‡ Line L2 TB1 Switch 1 **L**2‡ 2† 2† L2§ to L2‡ L28 to L2‡ L2§ to L2‡ L2§ 1† (S) to L21 to L21 Straps L28 to 1† L2§ L2§ L2§ $2^{\dagger}$ (W) to 1+ to 1† to 1+ to C‡

#### LINE AND C4B RINGER CONNECTIONS --- 660A2 TELEPHONE SET

\* 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.

‡ Terminals on network.

§ TB1.

() Current color code.

[] MD color code.

## ♦TABLE D♦

WIRE OR LEAD			INDIV OR BRIDGED	RING PARTY	TIP PARTY			
					NO IDENT GROUND	IDENTIFYING GROUND		IAI OR IA2 KEY TEL
		1000Ω				<b>2650</b> Ω	SYSTEM	
Line Wire	Tip Ring Grd A1 A	ecting ek	1 2 5*	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5 4
Mounting Cord	(W-BL) (BL-W) (O-W) (W-O)	Connecting Block	$\begin{array}{c}1\\2\\1\\4\end{array}$	1 2 5 4	2 1 5 4	2 1 5 4	2 1 5 4	1 2 5 4
Mounting Cord in Set	(W-BL) (BL-W) (O-W) (W-O)		2† L2‡ G‡ 1§	2† L2‡ G‡ 1§	2† L2‡ G‡ 1§	2† L2‡ G‡ 1§	2† L2‡ G‡ 1§	2† L2‡ L2§ 1§
Ringer Leads	(R) (BK) (S) (S-R)	TB2	7 8 9 10	7 8 9 10	7 8 9 10	7 8 9 10	7 8 9 10	7 8 9 10
Ringer Straps¶	(R) (BK) (S) (S-R)	Net.	L2 G K A	L2 G K A	L2 G K A	K G B B	B B K G	L2 C K A
Line Switch	(S) [S-W] (Y) [S-G] (BR) [S-Y] (G)	TB1	L2 L2 C‡ 2†	L2 L2 C‡ 2†	L2 L2 C‡ 2†	A‡ L2 C‡ 2†	A‡ L2 C‡ 2†	L2 L2 1 L2‡
Straps	(S)	L2§ to L2‡	L28 to L2‡	L2§ to L2‡	L2§ to L2‡	L28 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‡

# LINE AND C4A RINGER CONNECTIONS --- 660A2 TELEPHONE SET

\* 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.

 ${\rm I\!I}$  (S) and (S-R) ringer straps do not appear on later version sets, provide M1W cord or equivalent.

() Current color code.

[] MD color code.