SERVICE

662-TYPE TELEPHONE SETS

1. GENERAL

1.01 This section provides connection information for the 662-type telephone sets. This information was formerly found in Section 502-660-402 which will be canceled.

1.02 These sets are supplied factory-wired as 662A1 only. For conversion to 662A2 or 662A3 the appropriate key must be ordered and installed separately. Modification kits are available for field conversion to provide exclusion (662A4, 662A5, or 662A6 codes). For ordering and installation

information, refer to appropriate Reference section in Division 502. Speakerphone connections are shown in Division 512.

as a speakerphone set and is multipled with any other set capable of furnishing speakerphone feature, speakerphone leads must be disconnected, insulated, and stored either at the telephone set or at the multipling point. If not disconnected, the speakerphone leads will provide a common connection between the circuits of the multipled telephone sets.

TABLE A

PICKUP-SIGNAL KEY CONVERSION — 662A1 OR 662A4 TELEPHONE SET

CONVERSION	657A OR 599A KEY LEADS								
	(O-W)	(S-W)	(G-R)	(BL-BK)	(BR-BK)	(BR-W)			
HPPPPP (Note)	A2	A2	A2	A2	A2	5			
HPPPPS	A2	A2	A2	A2	SG	5			
HPPPSS	A2	A2	A2	SG	SG	5			
HPPSSS	A2	A2	SG	SG	SG	5			
HPPPP*S*	A2	A2	A2	S1	A2†	S1			
HPPP*P*S*	A2	A2	S1	S1	A2†	S1			
HPP*P*P*S*	A2	S1	S1	S1	A2†	S1			

^{*} These arrangements use line switch controlled ground for common signal key used with private or intercommunicating lines. Common signal should be used to operate a common signal relay. Do not wire directly to a buzzer. Fig. 2 or 3 shows line switch lead terminations.

Note: 657A or 599A key as furnished in 662Al telephone set. To convert from pickup (locking) to signal (nonlocking) remove the P-10E837 screw from the plunger at the key position being converted.

[†] For 1A KTS connect (BR-BK) key lead to BL terminal.

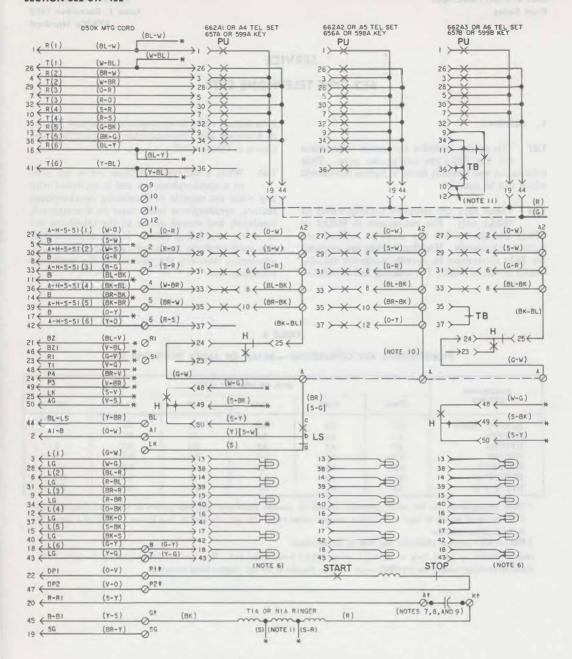


Fig. 1—662-Type Telephone Set, Connections (Sheet 1 of 2)

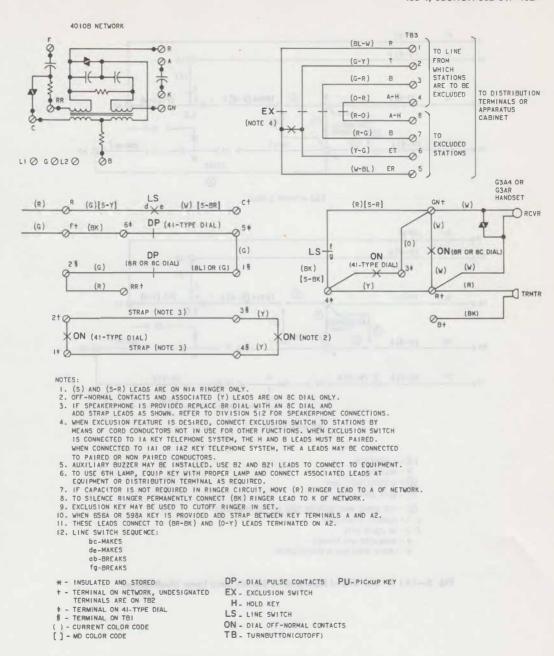
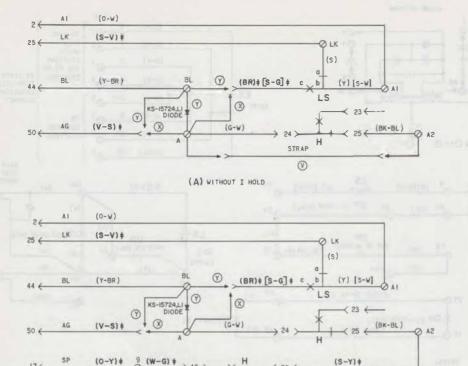


Fig. 1—662-Type Telephone Set, Connections (Sheet 2 of 2)



(B) WITH I HOLD

(S-BK)

LS - LINESWITCH

H - HOLD KEY

X - WITHOUT BUSY LAMP

Y - WITH BUSY LAMP

V - ADD STRAP WHEN 656A OR 598A KEY IS FURNISHED

() - CURRENT COLOR CODE

[] - MD COLOR CODE

* - INSULATED AND STORED

- LEADS INVOLVED IN MODIFICATION

Fig. 2—1A1 or 1A2 KTS—I Hold and/or Station Busy Lamp Modification

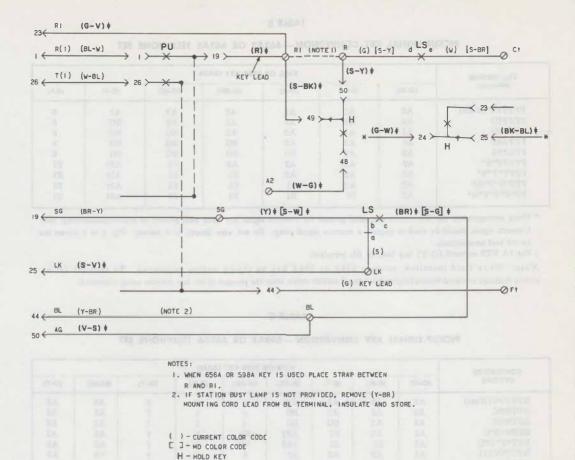


Fig. 3—662-Type Telephone Set Converted For 1A KTS—With or Without Busy Lamp or Speakerphone

+ - TERMINAL ON NETWORK, UNDESIGNATED TERMINALS ARE ON TB2

LS - LINE SWITCH
PU - PICKUP KEY
* - INSULATE AND STORE

- LEADS INVOLVED IN MODIFICATION

TABLE B

PICKUP-SIGNAL KEY CONVERSION — 662A2 OR 662A5 TELEPHONE SET

CONVERSION OPTIONS	656A OR 598A KEY LEADS								
	(O-W)	(S-W)	(G-R)	(BL-BK)	(BR-BK)	(O-Y)	(R-S		
PPPPPP (Note)	A2	A2	A2	A2	A2	A2	6		
PPPPPS	A2	A2	A2	A2	A2	SG	6		
PPPPSS	A2	A2	A2	A2	SG	SG	6		
PPPSSS	A2	A2	A2	SG	SG	SG	6		
PPSSSS	A2	A2	SG	SG	SG	SG	6		
PPPPP*S*	A2	A2	A2	A2	S1	A2†	S1		
PPPP*P*S*	A2	A2	A2	S1	S1	A2†	S1		
PPP*P*P*S*	A2	A2	S1	S1	S1	A2†	S1		
PP*P*P*S*	A2	S1	SI	S1	S1	A2†	S1		

^{*} These arrangements use line switch controlled ground for common signal key used with private or intercommunicating lines.

Common signal should be used to operate a common signal relay. Do not wire directly to a buzzer. Fig. 2 or 3 shows line switch lead terminations.

Note: When field installed, connect 656A or 598A key as shown unless converted. To convert from pickup (locking) to signal (nonlocking) remove the P-10E837 screw from the plunger at the key position being converted.

TABLE C

PICKUP-SIGNAL KEY CONVERSION — 662A3 OR 662A6 TELEPHONE SET

CONVERSION OPTIONS	657B OR 599B KEY LEADS									
	(O-W)	(S-W)	(G-R)	(BL-BK)	(W-BR)	(Y-BL)	(BL-Y)	(BR-BK)	(O-Y	
HPPPPC(Note)	A2	A2	A2	A2	4	†	†	A2	A2	
HPPPSC	A2	A2	A2	SG	4	+	†	A2	A2	
HPPSSC	A2	A2	SG	SG	4	+	+	A2	A2	
HPPP*S*C	A2	A2	S1	A2§	S1	+	+	A2	A2	
HPP*P*S*C	A2	S1	S1	A2§	S1	+	†	A2	A2	
HPPPPC(1)	A2	A2	A2	A2	4	+	†	A2	A2	
HPPPPC(2)	A2	A2	A2	A2	4	TB1-7‡	A of Net‡	†	†	
HPPPPC(3)	A2	A2	A2	A2	4	Buzzer Terminals		†	†	
HPPPPC(4)	A2	A2	A2	A2	4	+	+	+	+	

^{*} These arrangements use line switch controlled ground for common signal key with private or intercommunicating lines. Common signal should be used to operate a common signal relay. Do not wire directly to a buzzer. Fig. 2 or 3 shows line switch lead terminations.

Turnbutton may be used to

Note: When field installed, connect 657B or 599B key as shown unless converted. To convert from pickup (locking) to signal (nonlocking) remove the P-10E837 screw from the plunger at key position being converted.

[†] For 1A KTS connect (O-Y) key lead to BL terminal.

[†] Insulated and stored,

Remove mounting cord (S-Y) (Y-S) leads, insulate and store.

[§] For 1A KTS connect (BL-BK) key lead to BL terminal.

⁽¹⁾ Operate auxiliary relay [through 5th R and T (G-BK) (BK-G) pair].

⁽²⁾ Cutoff ringer in set)

⁽³⁾ Cutoff buzzer in set (connect 5th R and T (G-BK) (BK-G) pair to ringer or signal circuit,

⁽⁴⁾ Cutoff external audible signal [connect 5th R and T (G-BK) (BK-G) pair to signal circuit; connect 6th R and T (BL-Y) (Y-BL) pair to external signal].

TABLE D

CONDUCTOR ASSIGNMENTS USING 66E-TYPE CONNECTOR BLOCK OR A25B CONNECTOR CABLE

LEAD DESIG	TEL SET		CORD OR DNN CABLE	PLUG OR CONN	66E-TYPE CONN BLO
	TERM.*	PAIR NO.	CONDUCTOR	PIN NO.	CLIP TERM, NO.
Т	26		W-BL	26	1
R	1	1	BL-W	1	2
A, H, S, or S1	TB2-1		W-O	27	3
A1 or B†	TB2-A1	2	O-W	2	4
LG	38		W-G	28	5
L1	13	3	G-W	3	6
T	28		W-BR	29	7
R	3	4	BR-W	4	8
A, H, S, or S1	TB2-2		W-S	30	9
Spare or B†	‡	5	S-W	5	10
LG	39		R-BL	31	11
L2	14	6	BL-R	6	12
T	30		R-O	32	13
R	5	7	O-R	7	14
A, H, S, or S1	TB2-3		R-G	33	15
Spare or B†	‡	8	G-R	8	16
LG	40		R-BR	34	17
L3	15	9	BR-R	9	18
T	32		R-S	35	19
R	7	10	S-R	10	20
A, H, S, or S1	TB2-4		BK-BL	36	21
Spare or B†	:	11	BL-BK	11	22
LG	41		BK-O	37	23
L4	16	12	O-BK	12	24
T	34		BK-G	38	25
R	9	13	G-BK	13	26
A, H, S, or S1	TB2-5		BK-BR	39	27
Spare or B†	÷	14	BR-BK	14	28
LG	42		BK-S	40	29
L5	17	15	S-BK	15	30
T	36		Y-BL	41	31
R	11	16	BL-Y	16	32
A, H, S, or S1	TB2-6	10	Y-0	42	33
Spare or B†	+	17	O-Y	17	34
LG	TB2-7	10	Y-G	43	35
L6	TB2-8	18	G-Y	18	36
BL or LS	TB2-BL	10	Y-BR	44	37
SG	TB2-SG	19	BR-Y	19	38
B or B1	G of net	00	Y-S	45	39
R or R1	A of net	20	S-Y	20	40
BZ1	‡	21	V-BL	46	41
BZ	‡	21	BL-V	21	42
Spare or DP2	P2 of 41 dial	22	V-0	47	43
Spare or DP1	P1 of 41 dial	22	O-V	22	44
Spare T1	‡	23	V-G	48	45
Spare R1	‡	40	G-V	23	46
Spare P3	‡	24	V-BR	49	47
Spare P4	‡	24	BR-V	24	48
Spare AG	:	25	V-S	50	49
Spare LK	#	20	S-V	25	50

^{*} Contacts of key plug unless otherwise noted.

[†]When set is used in 1A key telephone system, these balance leads must not be used for other purposes.

Insulate and store.