

INTERPHONE SYSTEM—1A HOME 752-TYPE TELEPHONE SET CONNECTIONS AND MAINTENANCE

1. GENERAL

1.01 This section contains conversion and connection information for the 752-type telephone set for use with 1A home interphone in conjunction with 3-type speakerphone. Connection information is also given for home interphone *without* speakerphone feature, but in such cases, it is recommended that the 754-type telephone set be used.

1.02 This section is reissued to:

- Change section reference in 3.01
- Change reference to Tables, Fig. 2 notes

1.03 Operation with the 1A home interphone system requires installation of a 664B transmitter, ordered separately (Fig. 1).

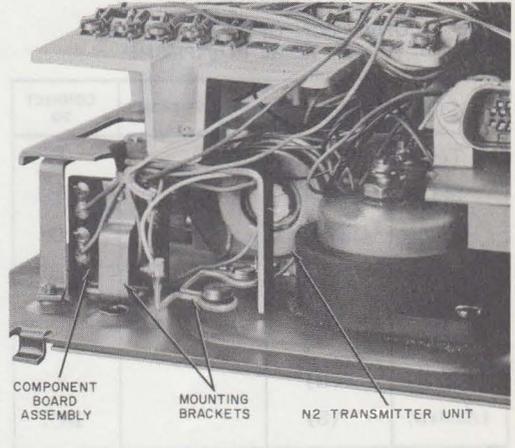


Fig. 1—664B Transmitter, Installed



The loudspeaker circuit is controlled by the speakerphone control unit. With speakerphone OFF, the speaker is connected to the interphone circuit; with speakerphone ON, the speaker is transferred to the speakerphone circuit.



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.

2. CONNECTION INDEX

Table A—Conversion of Telephone Set For 1A Home Interphone

Table B—Pickup Signal Key Conversion

Table C—Disconnecting Speakerphone Feature

Table D—Ringer or Buzzer Connections

Table E—Conductor Assignments Using 75A Connecting Block or A25B Connector Cable

Fig. 2—752-Type Telephone Set Connections Wired for 1A Home Interphone

Fig. 3—752-Type Telephone Set, Connections To 1A Home Interphone and 3-Type Speakerphone System

3. MAINTENANCE

3.01 ♦ Refer to Division 502 for maintenance information for the 752-type telephone sets. Refer to Division 512 for home interphone system requirements and maintenance information. ♦

3.02 Maintenance of the home interphone components of these sets (Fig. 1) is limited to replacement of defective units.

TABLE A
CONVERSION OF TELEPHONE SET
FOR 1A HOME INTERPHONE*

TEL SET LEADS		REMOVE FROM	CONNECT TO
Tel	(G-BK)	5R	1
Set	(BK-G)	5T	2
Plug	(BR-BK)	‡	DC2
Key	(BR-BK)	X	4T
664	(W)		1
TRMTR	(R)		2
(Added)	(S)		DC1

* Convert 5th pickup key to signal (for door answering).

‡ Stored location

TABLE B
PICKUP SIGNAL KEY CONVERSION

CONVERSION OPTIONS	635A2 KEY LEADS		
	(Y-BR)	(BR)	(BR-BK)
HPPP P (I) S (A)	M	M	4T
HPPS P (I) S (A)	M	SG	4T
HPSS P (I) S (A)	SG	SG	4T
HPP*S* P (I) S (A)	3H	SG	4T

P (I) — Home interphone pickup key.

S (A) — Door answering signal key.

* See Note 2.

Notes:

1. Convert 5th pickup key to signal (non-locking) for door answering by removing the P-28E773 locking pin from plunger.
2. This option uses 2nd pickup key for private or intercommunicating line and 3rd key converted to signal.

TABLE C
DISCONNECTING SPEAKERPHONE FEATURES (See Note)

	TEL SET COMPONENT LEADS					SPEAKERPHONE COMPONENT LEADS					
	TEL SET PLUG		DIAL			SWITCH ASSEMBLY			PRINTED WIRING BOARD		
Conductor color	(V-G)	(G-V)	(V-S)	(Y)	(Y)	(Y-BL)	(BL-Y)	(O-Y)	(Y-O)	(S-Y)	(S-BK)
Disconnect from*	RR†	R1	AG	7	8	S	F1	P1	M2	M2	M1

* Terminals on the telephone set terminal board.

† RR terminal on network.

Note: When speakerphone feature of set is not required, but set is multiplied with a set providing speakerphone operation, disconnect, insulate and store these leads to avoid interference with working circuits. If interference continues, disconnect leads at multiplying point as near as possible to speakerphone control unit.

TABLE D
RINGER OR BUZZER CONNECTIONS

OPTION	LEADS									
	RINGER					STRAP		BUZZER§		
	(R)	(BK)	(S-R)	(S)	(BL)	(R)				
Bridged Ringer on any Line	K	T*	†	†	†	A to R*				
Common or Private Line Ringer or Buzzer	With Capacitor	K	RT	†	†	†	A to RR‡			
	Without Capacitor	A	RT	†	†	†	A to RR‡		RR‡	RT
Ringer Permanently Silenced	K	K	†	†	†	A to K				

* Terminal of line involved.

† Individually insulated and stored.

‡ RR terminal on terminal board.

§ Connect buzzer in place of ringer using twisted pair station wire.

SECTION 512-510-410

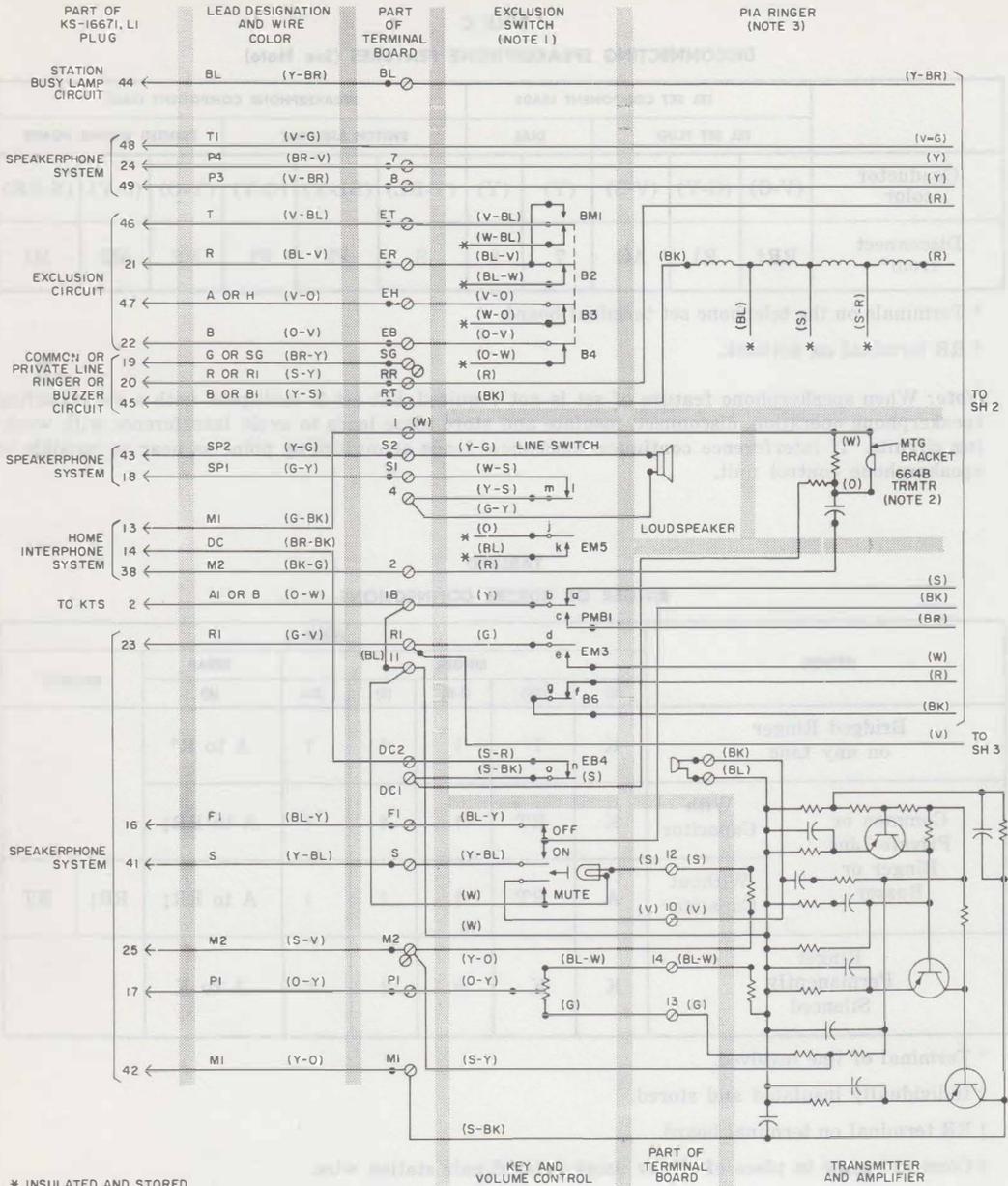
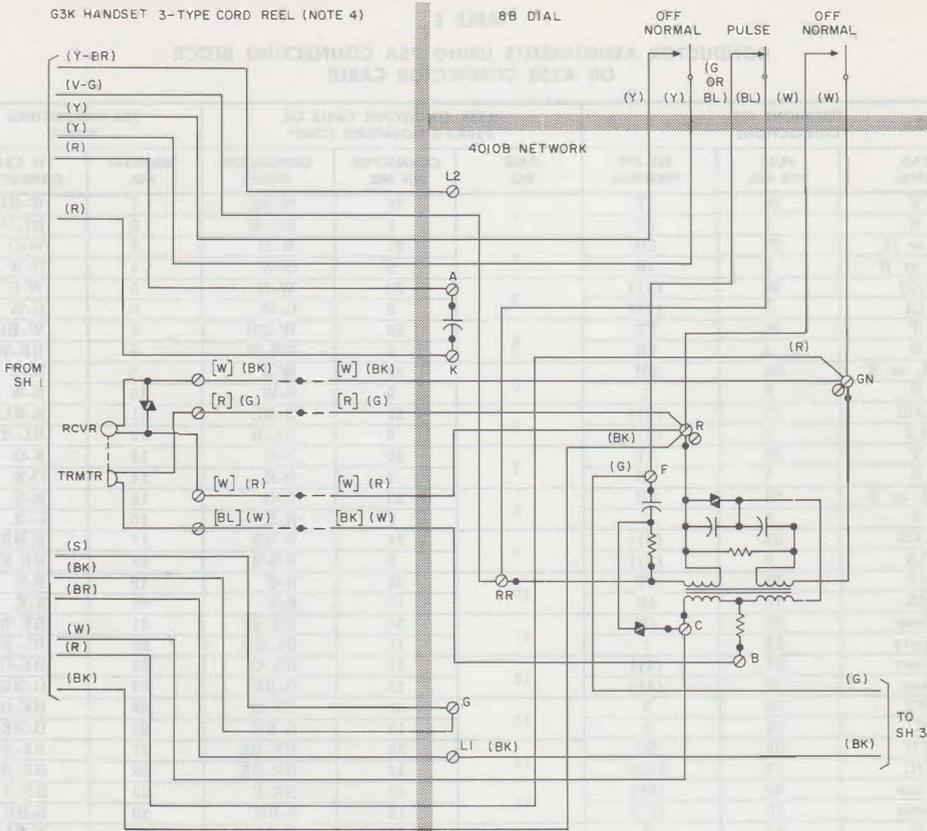


Fig. 2—752-Type Telephone Set Connections, Wired for 1A Home Interphone (Sheet 1 of 3)



NOTES:

1. REFER TO APPROPRIATE SECTION IN DIVISION 502 FOR EXCLUSION SWITCH CONNECTIONS IF REQUIRED.
2. CONNECT 664B TRANSMITTER (ORDERED SEPARATELY) AS SHOWN IN TABLE A.
3. REFER TO TABLE D FOR OPTIONAL RINGER OR BUZZER CONNECTIONS. RINGER MUST BE CONNECTED WITH CAPACITOR IN CIRCUIT WHEN COMMON AUDIBLE SIGNAL POWER FAILURE FEATURE IS PROVIDED. CONNECT RINGER WITHOUT CAPACITOR AS COMMON, PRIVATE, OR INTERCOMMUNICATING LINE SIGNAL EXCEPT WHERE LOCAL INSTRUCTIONS DIRECT OTHERWISE.
4. [] DENOTES 3A CORD REEL LEAD COLORS.
() DENOTES 3B CORD REEL LEAD COLORS.
5. EARLY PRODUCTION SETS DIFFER AS FOLLOWS:
A. LAMP LEADS ARE SOLDERED TO APPROPRIATE L AND LG TERMINALS ON TERMINAL BOARD.
B. SPARE TERMINALS 3, 5, 6, 2H, 3R, 3T, 3H, 4R, 4H, 5H, AND T1 MAY BE EQUIPPED WITH SCREWS.

C. KEY PLUG IDENTIFICATION COLOR.

KEY PLUG	EARLY PRODUCTION	CURRENT PRODUCTION
HOLD	YELLOW	PINK
1ST LINE	BLUE	BLUE
2ND LINE	BEIGE	ORANGE
3RD LINE	RED	GREEN
HOME INTERPHONE LINE	GRAY	BROWN
DOOR ANSWER	GREEN	SLATE

Fig. 2—752-Type Telephone Set Connections, Wired for 1A Home Interphone (Sheet 2 of 3)

TABLE E
CONDUCTOR ASSIGNMENTS USING 75A CONNECTING BLOCK
OR A25B CONNECTOR CABLE

TELEPHONE SET CONNECTIONS			A25B CONNECTOR CABLE OR D50AA-3 MOUNTING CORD*			75A CONNECTING BLOCK	
LEAD DESIG.	PLUG PIN NO.	TEL SET TERMINAL	PAIR NO.	CONNECTOR PIN NO.	CONDUCTOR COLOR	TERMINAL NO.	1W CABLE CONDUCTOR
T	26	1T	1	26	W-BL	1	W-BL
R	1	1R		1	1	BL-W	2
A or H	27	1H	2	27	W-O	3	W-O
A1 or B	2	1B		2	2	O-W	4
LG1	28	(1)†	3	28	W-G	5	W-G
L1	3	(1)†		3	3	G-W	6
T	29	2T	4	29	W-BR	7	W-BR
R	4	2R		4	4	BR-W	8
A, H, or S	30	2H	5	30	W-S	9	W-S
B	5	‡		5	5	S-W	10
LG2	31	(2)†	6	31	R-BL	11	R-BL
L2	6	(2)†		6	6	BL-R	12
T	32	3T	7	32	R-O	13	R-O
R	7	3R		7	7	O-R	14
A, H, or S	33	3H	8	33	R-G	15	R-G
B	8	‡		8	8	G-R	16
LG3	34	(3)†	9	34	R-BR	17	R-BR
L3	9	(3)†		9	9	BR-R	18
2T	35	4T	10	35	R-S	19	R-S
2R	10	4R		10	10	S-R	20
None	36	4H	11	36	BK-BL	21	BK-BL
Spare	11	‡		11	11	BL-BK	22
None	37	(4)†	12	37	BK-O	23	BK-O
None	12	(4)†		12	12	O-BK	24
M2	38	2	13	38	BK-G	25	BK-G
M1	13	1		13	13	G-BK	26
SW	39	5H	14	39	BK-BR	27	BK-BR
DC	14	DC2		14	14	BR-BK	28
None	40	(5)†	15	40	BK-S	29	BK-S
None	15	(5)†		15	15	S-BK	30
S	41	S	16	41	Y-BL	31	Y-BL
F1	16	F1		16	16	BL-Y	32
M1	42	M1	17	42	Y-O	33	Y-O
P1	17	P1		17	17	O-Y	34
SP2	43	S2	18	43	Y-G	35	Y-G
SP1	18	S1		18	18	G-Y	36
BL	44	BL	19	44	Y-BR	37	Y-BR
G or SG	19	SG		19	19	BR-Y	38
B or B1	45	RT	20	45	Y-S	39	Y-S
R or R1	20	RR		20	20	S-Y	40
T	46	ET	21	46	V-BL	41	V-BL
R	21	ER		21	21	BL-V	42
A or H	47	EH	22	47	V-O	43	V-O
B	22	EB		22	22	O-V	44
T1	48	RR§	23	48	V-G	45	V-G
R1	23	R1		23	23	G-V	46
P3	49	8	24	49	V-BR	47	V-BR
P4	24	7		24	24	BR-V	48
AG	50	AG	25	50	V-S	49	V-S
M2	25	M2		25	25	S-V	50

* Terminate spade tipped conductors of D50AA-3 mounting cord on the 75A connecting block as indicated.

† Numbers in parentheses denote connections to LG and L terminals of key plugs as follows:

(1) — Blue, (2) — Orange, (3) — Green, (4) — Brown, (5) — Slate.

‡ Insulated and stored.

§ RR terminal on network.

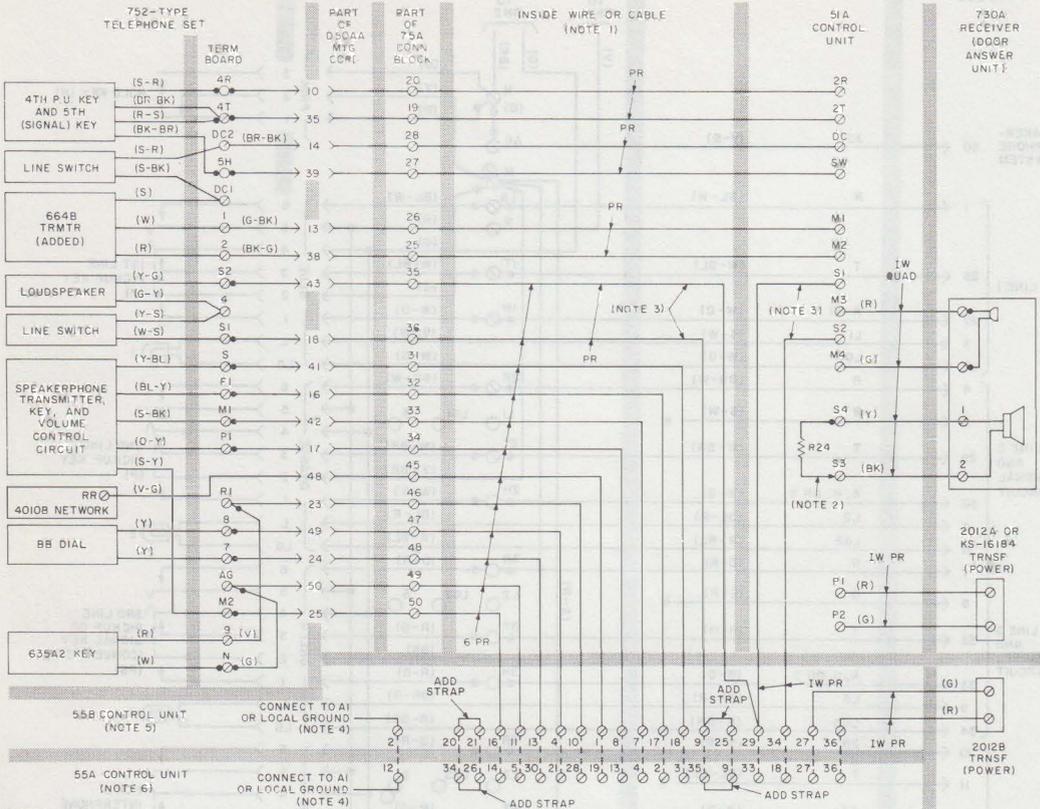


Fig. 3—752-Type Telephone Set, Connections to 1A Home Interphone and 3-Type Speakerphone System