

INTERPHONE SYSTEM—1A HOME 1752-TYPE TELEPHONE SET CONNECTIONS AND MAINTENANCE

1. GENERAL

1.01 This section contains conversion and connection information for the 1752-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 features, but in such cases, it is recommended that the 2754-type telephone set be used.

1.02 This section is reissued to:

- Change section references in 3.01
- Add information on 3-type cord reels when subjected to different temperatures

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

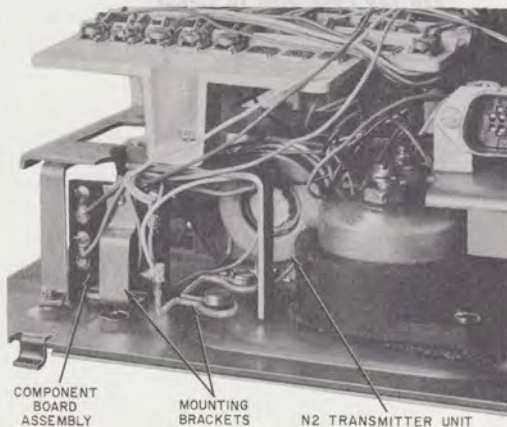


Fig. 1—664B Transmitter Installed



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.



The 3A cord reel shall be used when the telephone set is subjected to temperatures below 40 degrees F. The 3B cord reel shall be used when the telephone set is not subjected to temperatures below 40 degrees F. ♦

2. CONNECTION INDEX

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

Table B—Pickup Signal Key Conversion

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

Table D—Disconnecting Speakerphone Feature

Table E—Ringer or Buzzer Connections

Fig. 2—1752-Type Telephone Set (Current Production) Wired for 1A Home Interphone

Fig. 3—1752-Type Telephone Set (Early Production) Wired For 1A Home Interphone

Fig. 4—1752-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 1752-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 Set Plug	(G-BK)	5R	1
	(BK-G)	5T	2
	(BR-BK)	†	DC2
Key	(BR-BK)	X	4T
664 TRMTR (Added)	(W)	—	1
	(R)	—	2
	(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)
HPPPP _I S _A	M	M	4T
HPPSP _I S _A	M	SG	4T
HPSSP _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:

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

TABLE C
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.	IW 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-BR	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	T1	23	48	V-G	45	V-G
R1	23	R1		23	23	G-V	46
IT	49	8	24	49	V-BR	47	V-BR
IR	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)-Beige, (3)-Red, (4)-Gray, (5)-Green.

‡ Insulated and stored.

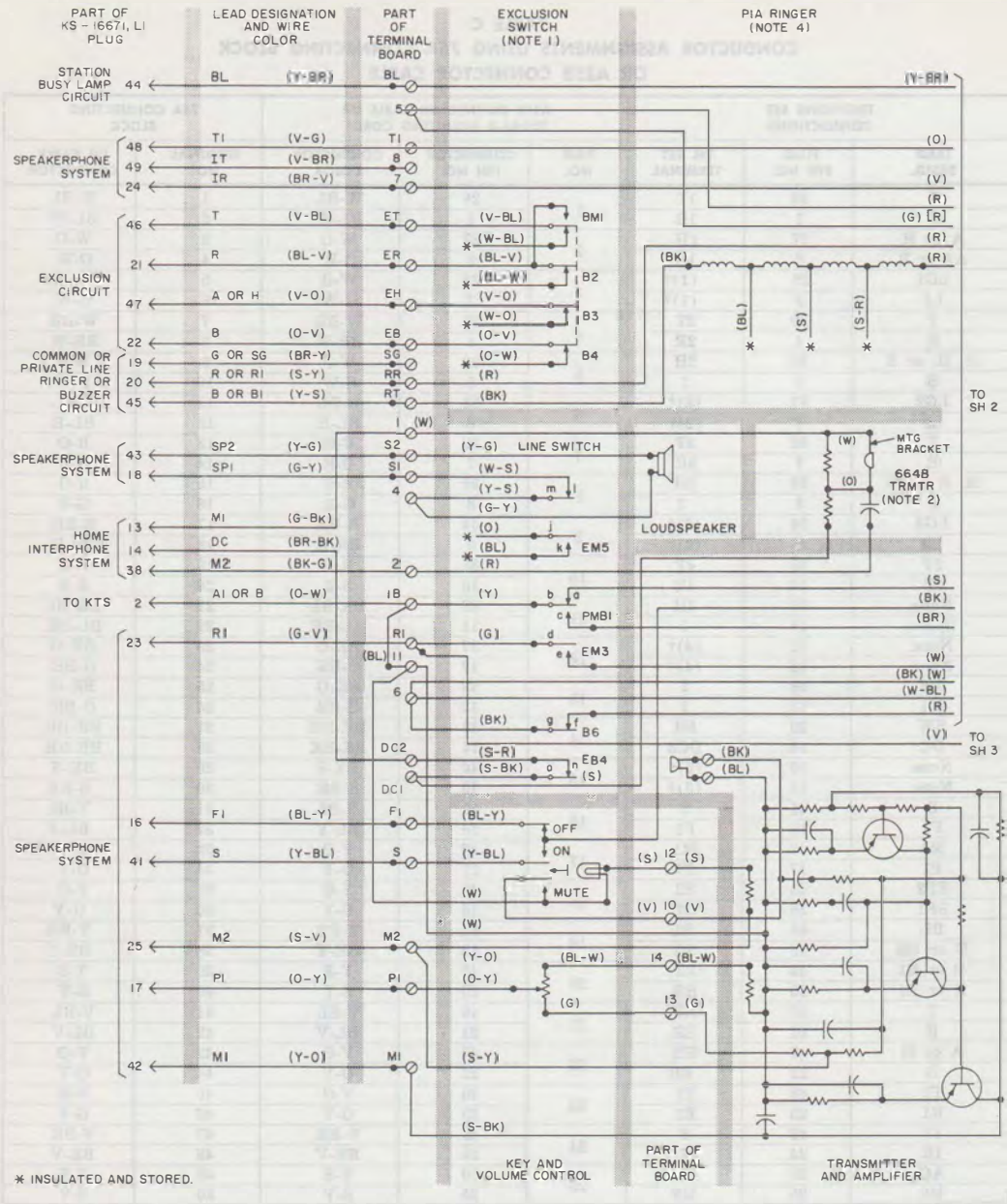


Fig. 2—1752-Type Telephone Set (Current Production) Wired for 1A Home Interphone (Sheet 1 of 3)

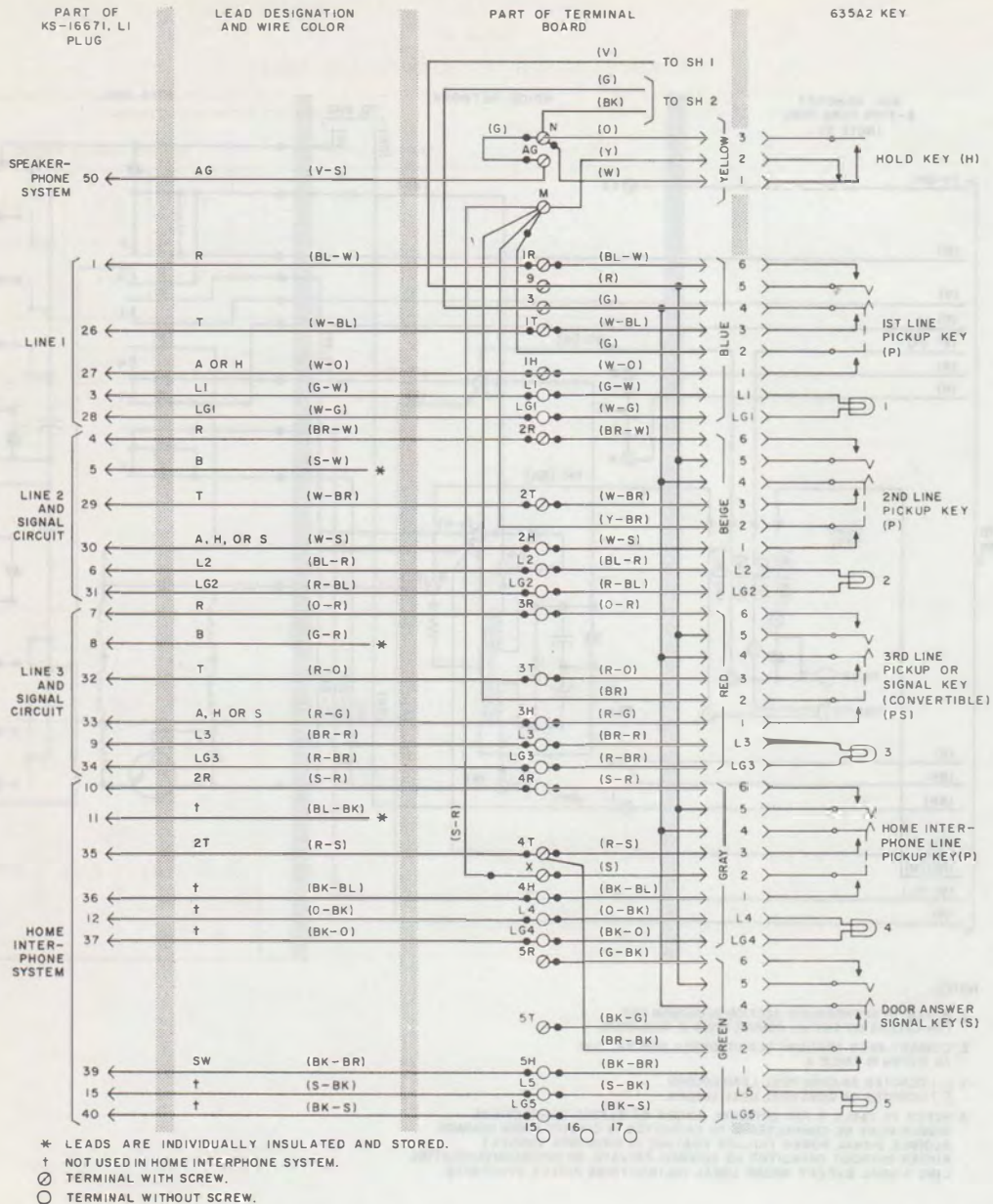


Fig. 2—1752-Type Telephone Set (Current Production) Wired for 1A Home Interphone (Sheet 3 of 3)

TABLE D
DISCONNECTING SPEAKERPHONE FEATURE (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)	(V)	(Y-BL)	(BL-Y)	(O-Y)	(Y-O)	(S-Y)	(S-BK)
Disconnect from*	T1	R1	AG	7	S	F1	P1	M2	M2	M1

* Terminals on telephone set terminal board.

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 E
RINGER OR BUZZER CONNECTIONS

OPTION	LEADS								
	RINGER					STRAP	BUZZERS		
	(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.

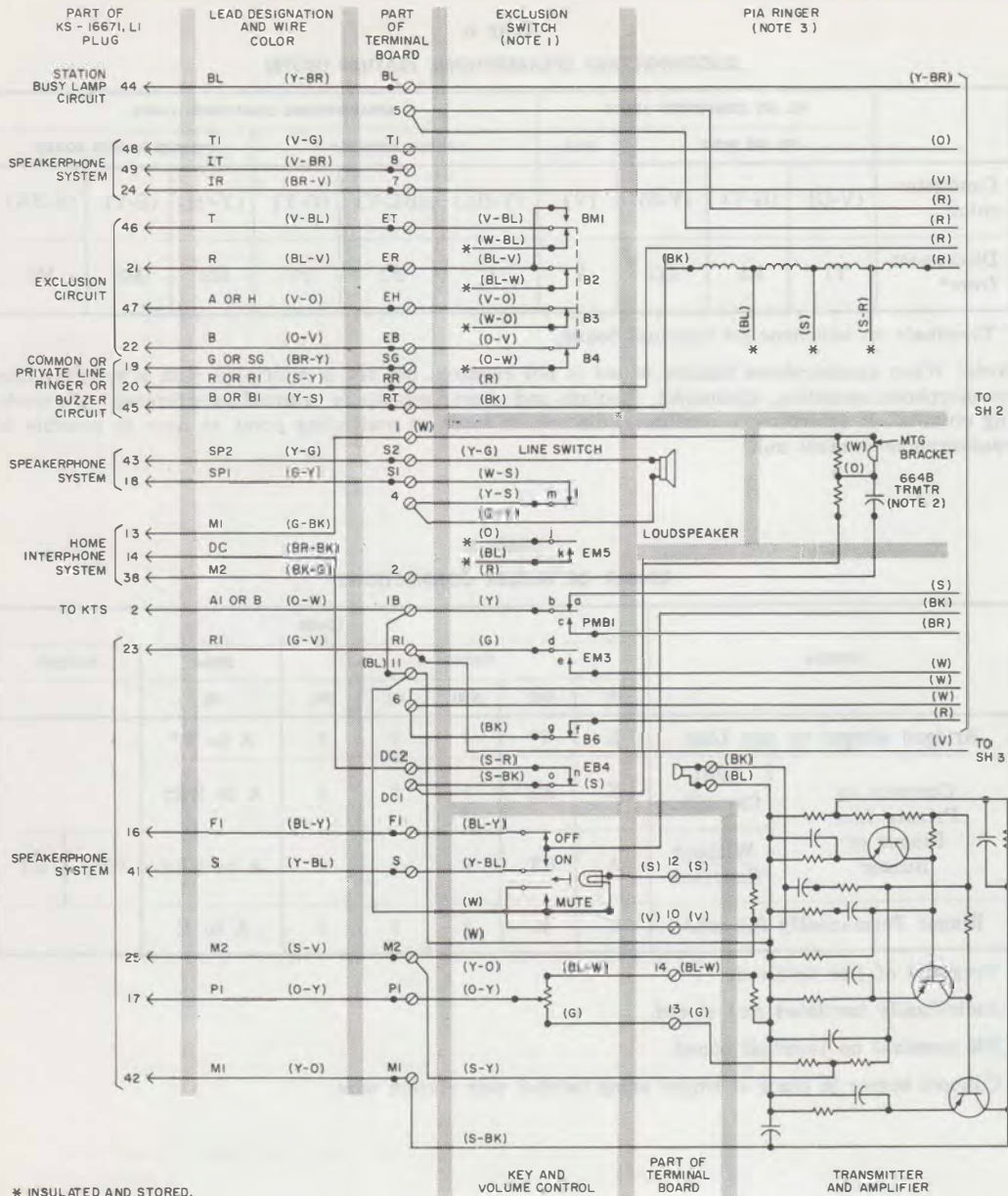


Fig. 3—1752-Type Telephone Set (Early Production) Wired for 1A Home Interphone (Sheet 1 of 3)

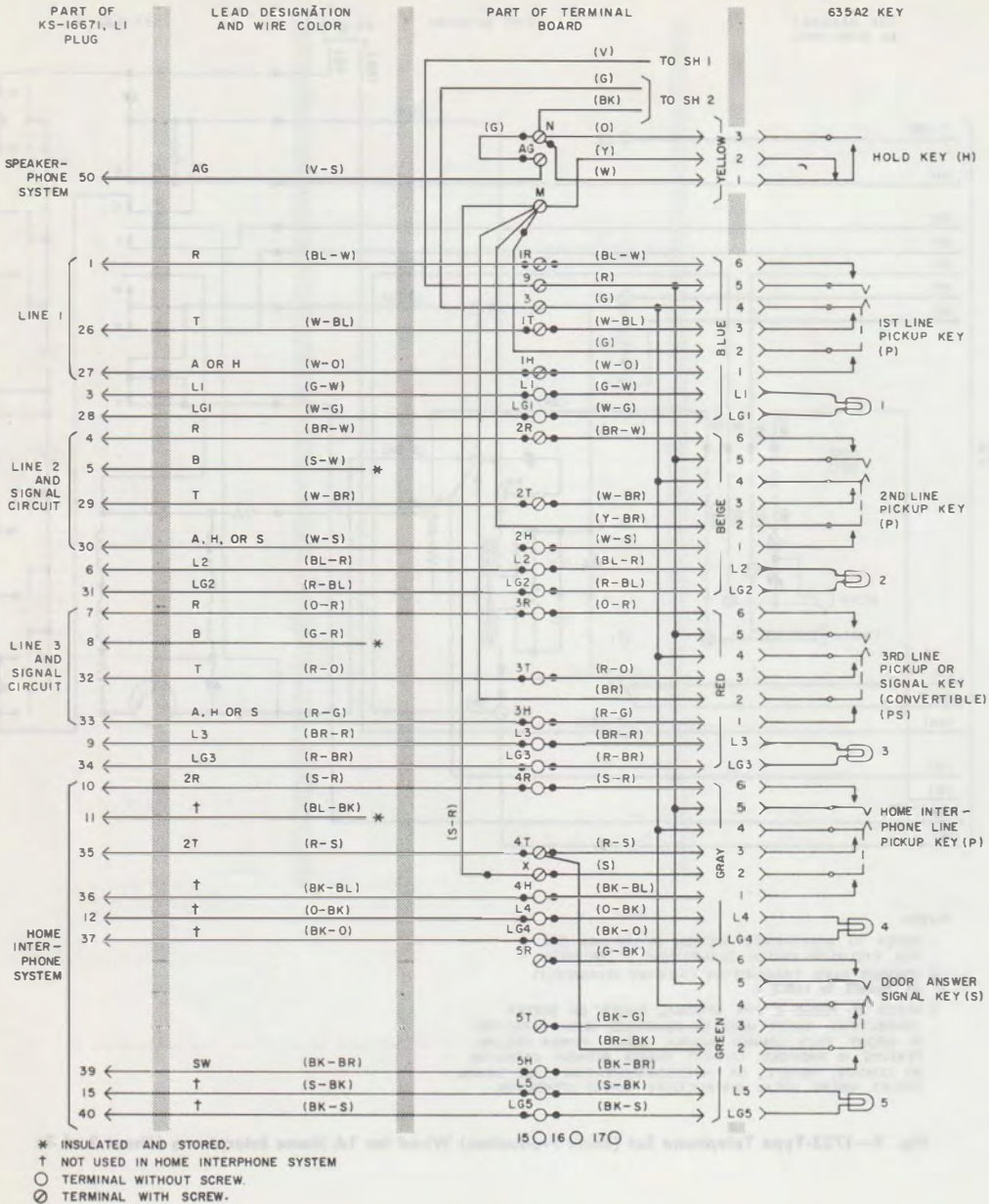


Fig. 3—1752-Type Telephone Set (Early Production) Wired for 1A Home Interphone (Sheet 3 of 3)

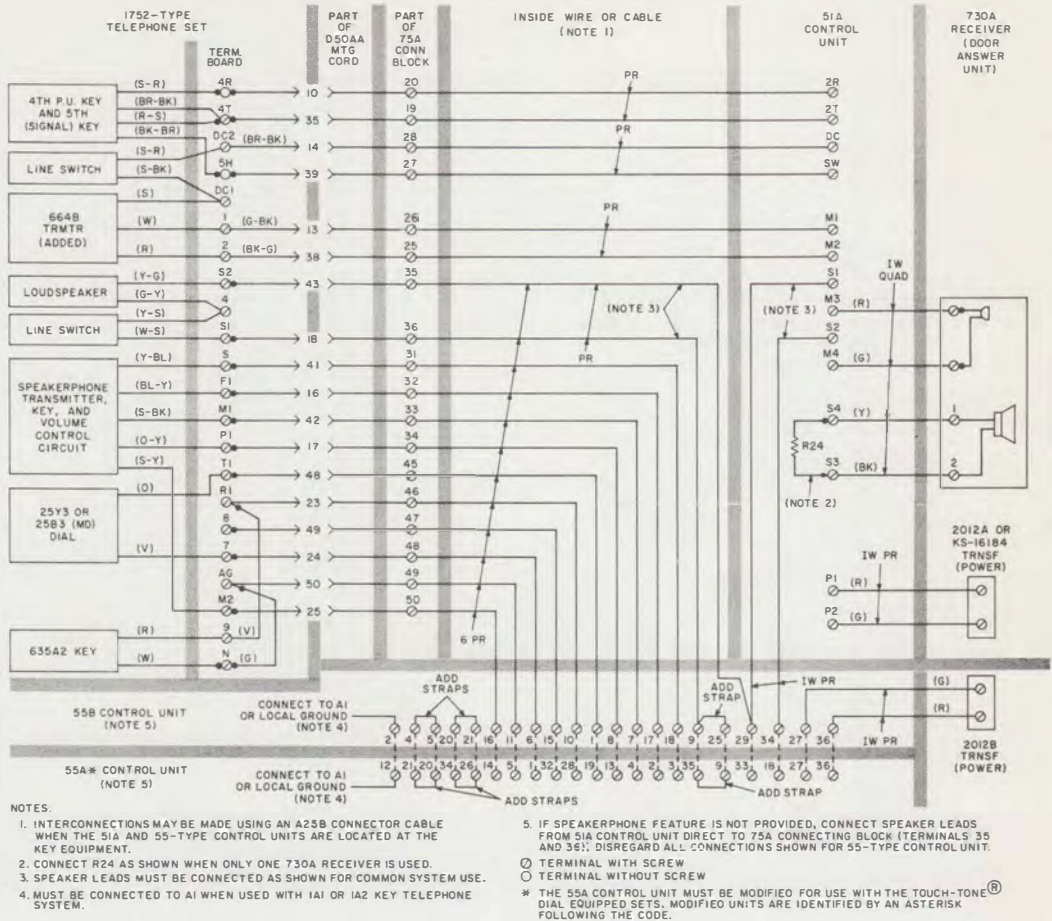


Fig. 4—1752-Type Telephone Set, Connections to 1A Home Interphone and 3-Type Speakerphone System