

SERVICE

2752-TYPE TELEPHONE SETS

MAINTENANCE AND CONNECTIONS

1. GENERAL

1.01 This section contains information for the 2752A (MD), 2752B (MD), 2752AG, and 2752BG telephone sets (Fig. 1 and 2).

1.02 This section is reissued to:

- Show 2752A and 2752B telephone sets MD
- Show 819041971 (P-90D197) and 819040619 (P-90D061) polarity guards MD
- Add information on 2752AG-58 and 2752BG-60 telephone sets
- Add information on D-181006 Kit of Parts (includes 840364376 polarity guard)
- Add 533K diode or equivalent for busy lamp feature, Fig. 2.

2. MAINTENANCE

2.01 Maintenance performed on customer's premises should be limited to replacement of accessible parts which are available through supply channels.

2.02 Ringers, handsets, dials, etc. used in this type set should be maintained in accordance with sections covering the particular item.

Note: When ringer volume control is set in LOW position, only ringer motor noise may be heard because clapper might not strike gong. If bell sound is desired, move control to slightly higher volume position.

2.03 The vinyl-faced mat may be cleaned with a water-dampened KS-2423 or equivalent cloth. Replace defective mat as follows.

(1) Grasp mat retainer frame at top, lift upward and out to release frame from panel of set.

(2) Remove handset from hook of set.

(3) Pull out handset cord to allow working slack.

(4) Remove mat from face of panel.

(5) Rotate handset cord grommet 1/4 turn clockwise and remove. [Sets manufactured prior to 1969 use a two piece grommet, 814455010 (P-44E501) upper half and 814455028 (P-44E502) lower half, while sets manufactured after 1969 use a single piece grommet which is a part of the 3B cord reel.]

(6) Install grommet in new mat by reversing procedure used in removal.

(7) Position mat on panel and secure using the mat retainer frame.

2.04 To test the cord reel, pull the handset cord out to its maximum length. With the cord maintained perpendicular to the panel, the cord should retract fully. Any twist in the cord should be removed before making test.

2.05 Replace the cord reel if the cord will not retract or if the cord is frayed, kinked, or noisy. Field maintenance of the cord reel, or replacement of the cord, is not recommended.

2.06 For maintenance information on the 762A loudspeaker and 812955797 (P-29E579) transmitter, refer to appropriate section in Division 512.

2.07 The current production 635-type keys have been modified for easy lamp replacement by merely removing the lamp cap and inserting a

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553-type tool through the hole in the top of the button. In early production keys it was necessary to remove faceplate, key collar, and button for lamp replacement.

3. CONNECTIONS

3.01 When a 2752-type telephone set is multiplied with sets furnishing speakerphone features, certain leads must be disconnected, insulated and stored to avoid interference with working circuits.

The lead designations of leads to be removed are as follows; T1, R1, AG, SP1, S, F1, P1, M2, M1, and SP2.

3.02 Connection Table Index:

Table A—Pickup Signal Key Conversion

Table B—Connections For Line Exclusion

Table C—Polarity Guard Connections

TABLE A
PICKUP-SIGNAL KEY CONVERSION (Note 1)

CONVERSION OPTIONS	635A2 KEY LEADS			STRAP
	(Y-BR)	(BR)	(BR-BK)	(S-R)
HPPPPP	M	M	X	M
HPPPPS	M	M	SG	M
HPPSSS	M	M	X	SG
HPPSSS	M	X	X	SG
HPPPP*S*	M	M	N	5H
HPPP*P*S*	M	X	N	5H
HPP*P*P*S*	X	X	N	5H

*See Note 2.

Notes 1. As furnished, all line keys are arranged for pickup. To convert a key position from pickup (locking) to signal (nonlocking), remove the 812857738 (P-28E773) locking pin from plunger at the key position to be converted. To convert a key position from nonlocking to locking, insert locking pin.

2. These options are used for private or intercommunicating lines with a common signal key. Use SG lead for common signal ground and S lead of 2nd, 3rd, or 4th pickup key as required. The signal key will operate the signal circuit of the selected line.

TABLE B
CONNECTIONS FOR LINE EXCLUSION

EXCLUSION	KEY TELEPHONE SYSTEM	EXCLUSION KEY LEADS							
		(BL-W)	(W-BL)	(O-W)	(W-O)	(V-BL)	(BL-V)	(V-O)	(O-V)
On any Line	1A	R*	T*	1B‡	H*	ET	ER	EH	EB
	1A1 or 1A2	R*	T*	†	H*	ET	ER	EH	EB

* Terminal of line involved.

† Insulated and stored.

‡ When other than Line 1 is excluded, remove O-W cord conductor from terminal 1B; insulate and store. Connect balance lead cord conductor of line involved to terminal 1B.

TABLE C

POLARITY GUARD CONNECTIONS [819041971 (P-90D197) (MD), 819040619 (P-90D061) (MD), OR 840364376] (See Notes)

WIRE OR LEAD		REMOVE FROM	CONNECT TO	
		NET.	POLARITY GUARD	NET.
Dial	(BK)	RR	T	
	(G-W)	C	S	
Line Switch	(W)	C	S	
Polarity Guard	(G)			RR
	(W)			C

Note 1: For use when specified by local instruction for end-to-end signaling installations.

Note 2: The 840364376 is part of the D-181006 Kit of Parts.

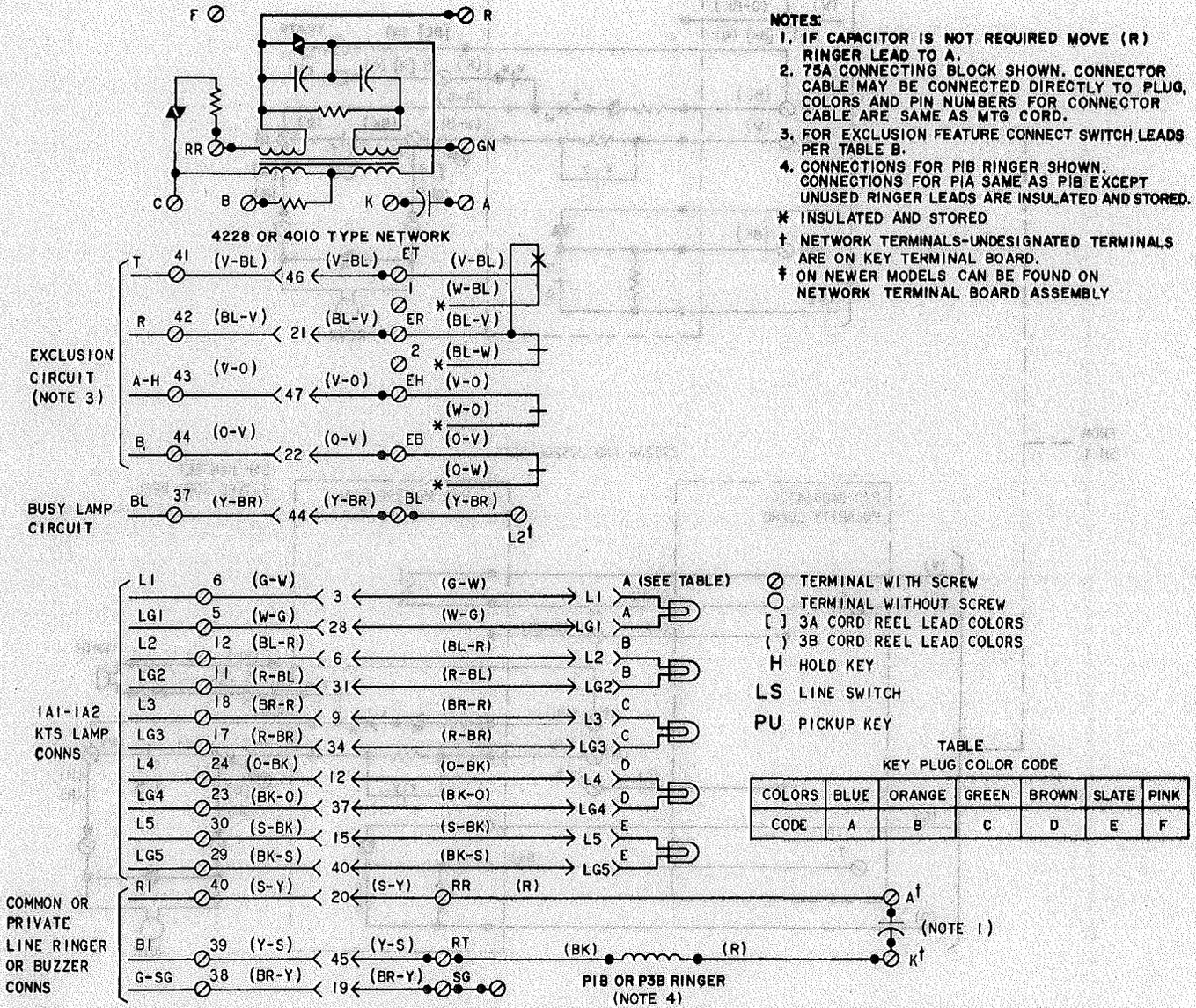
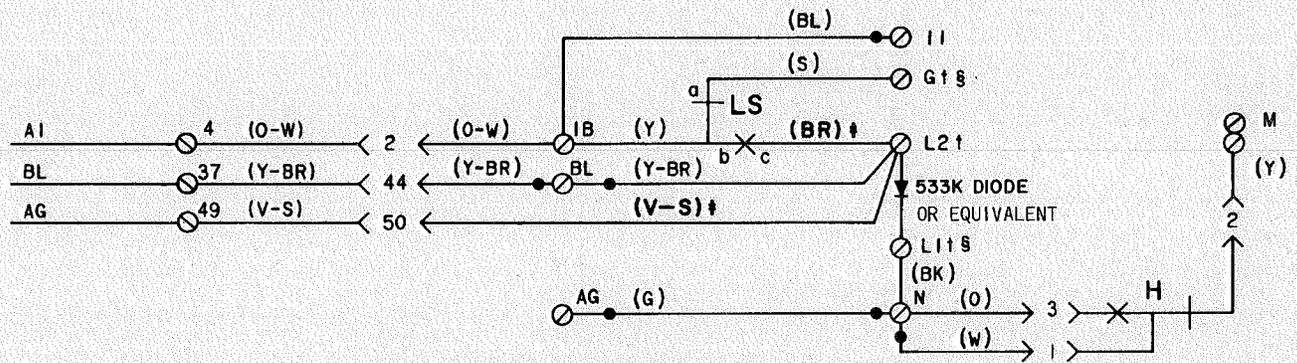
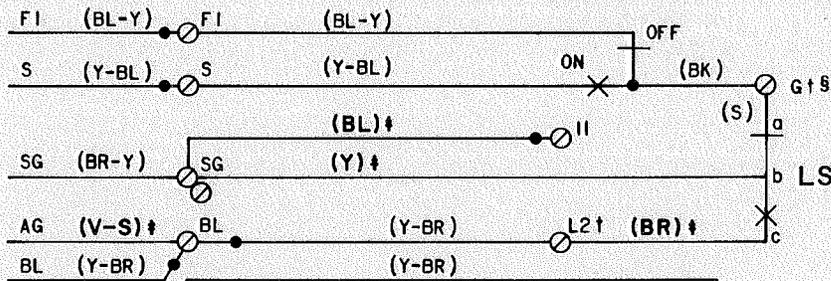


Fig. 1—2752A (MD), 2752B (MD), 2752AG, and 2752BG Telephone Set, Connections (Sheet 3 of 3)



A. IA1-IA2 KTS WIRED FOR BUSY LAMP FEATURE



B. IA KTS WIRED FOR BUSY LAMP FEATURE

† - NETWORK TERMINAL - UNDESIGNATED
 TERMINALS ON KEY TERMINAL BOARD
 ‡ - LEADS INVOLVED IN MODIFICATION
 § - ON NEWER MODELS CAN BE FOUND ON
 NETWORK TERMINAL BOARD ASSEMBLY
 H - HOLD KEY
 LS - LINE SWITCH

Fig. 2—2752-Type Telephone Sets, Optional Features