

SERVICE

2568HAA AND 2568HAAM TELEPHONE SET

1. GENERAL

1.01 This section provides maintenance and connection information for the 2568HAA (MD) and 2568HAAM telephone sets.

1.02 This section is reissued to:

- Show 2568HAA telephone set MD
- Add 2568HAAM (modular) telephone set, Fig. 2

2. MAINTENANCE

2.01 Field replaceable items are listed in the appropriate Reference section in Division 502.

2.02 These sets are maintained in accordance with standard procedures for key telephone sets.

2.03 See appropriate section in Division 501 for maintenance of individual components such as dials, handsets, ringers, etc.

3. CONNECTIONS

3.01 The 2568HAA (MD) telephone set (Fig. 1) is furnished wired for use with 2- and 4-wire common battery telephone lines and 1A1, 1A2, and 6A key telephone systems. An exclusion switch is provided for operating external circuits to disconnect other stations from one or more lines. When a station has been excluded and the control station

hold key is operated, the excluded station is restored. The control station must re-exclude after hold key operation.

3.02 This set is also wired for use with 3-type speakerphone (SD-69542-01). When using speakerphone on 4-wire lines, a J53041D, List 1 speakerphone control unit must be used.

3.03 ♦The 2568HAAM modular telephone set (Fig. 2) is similar to the 2568HAA except the modular G15A handset, with its associated H4DU cord and 616D jack assembly, is used in place of the hard wired G3A handset. ♦

3.04 The MA4 relay (Fig. 1 and 2) switches the receiver from 2- to 4-wire circuitry.

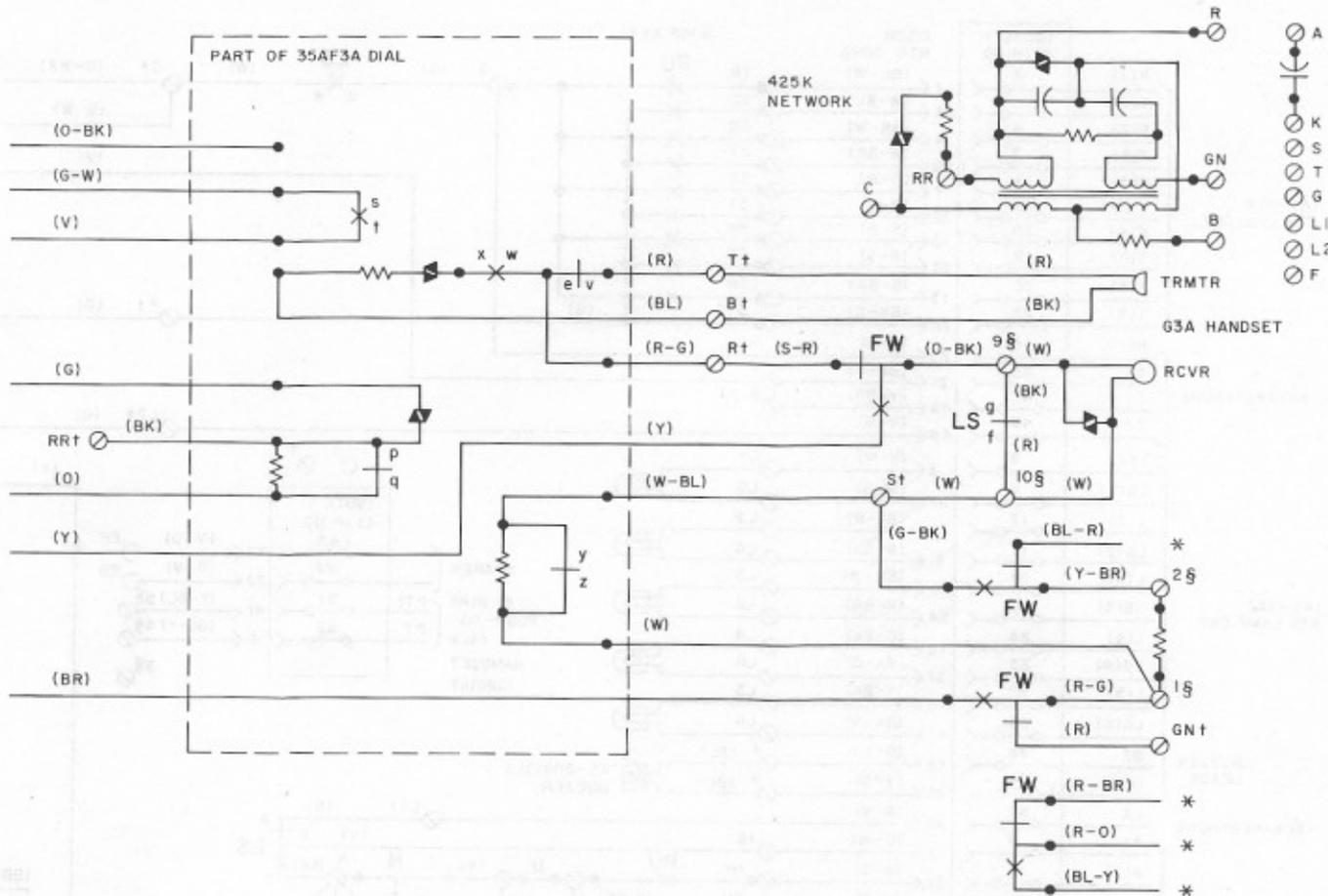
(a) On 2-wire lines, contacts on the unoperated MA4 relay connect the receiver to the network and allow the handset and network to function as a common battery subscriber station circuit.

(b) On 4-wire lines, operated contacts of the MA4 relay disconnect the receiver from the network and connect it to the RR and RT leads. The transmitter and network still function as a common battery subscriber station transmitter circuit. The receiver RR and RT leads are connected to impedance-matching repeating coils in the associated line circuits.

3.05 These sets are factory-equipped with a KS-20419L1 (10 volt AC only) buzzer.

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement



NOTES:

1. 66E-TYPE CONNECTING BLOCK SHOWN. MOUNTING CORD MAY BE PLUGGED DIRECTLY INTO CONNECTOR CABLE. COLORS AND PIN NUMBERS FOR CONNECTOR CABLE ARE SAME AS MOUNTING CORD.
2. TIA RINGER CONNECTIONS ARE SHOWN. CONNECTIONS FOR NIA RINGER ARE IDENTICAL EXCEPT INSULATE AND STORE (S) AND (S-R) LEADS.
3. DISCONNECT TI, RI, IT, IR, AG, AND LK LEADS WHEN SETS NOT EQUIPPED WITH SPEAKERPHONE ARE MULTIPLIED. DISCONNECT EITHER AT THE SET OR MULTIPLYING POINT.
4. FOR BRIDGED RINGER ON ANY LINE CONNECT (R) STRAP LEAD TO RING AND (BK) RINGER LEAD TO TIP OF LINE INVOLVED. CONNECT (R) RINGER LEAD TO K OF NETWORK. (S) AND (S-R) RINGER LEADS ARE INSULATED AND STORED.
5. IF CAPACITOR IS NOT REQUIRED IN RINGER CIRCUIT, MOVE (R) RINGER LEAD TO A OF NETWORK.
6. TO SILENCE RINGER PERMENTLY REMOVE (R) STRAP FROM RR AND CONNECT TO A OF NETWORK. CONNECT (BK) RINGER LEAD TO K OF NETWORK.
7. LINE SWITCH SEQUENCE, HANDSET REMOVED:
 - bc MAKES
 - de MAKES
 - ab BREAKS
 - fg BREAKS
 SEQUENCE IS REVERSED WHEN HANDSET IS RESTORED.
8. IF HOLD POSITION LAMP IS REQUIRED, USE SPARE PAIR AND SPARE TERMINALS OR D-161488 CONNECTORS.

FW-4-WIRE RELAY

PU-PICKUP KEY

H-HOLD KEY

LS-LINE SWITCH

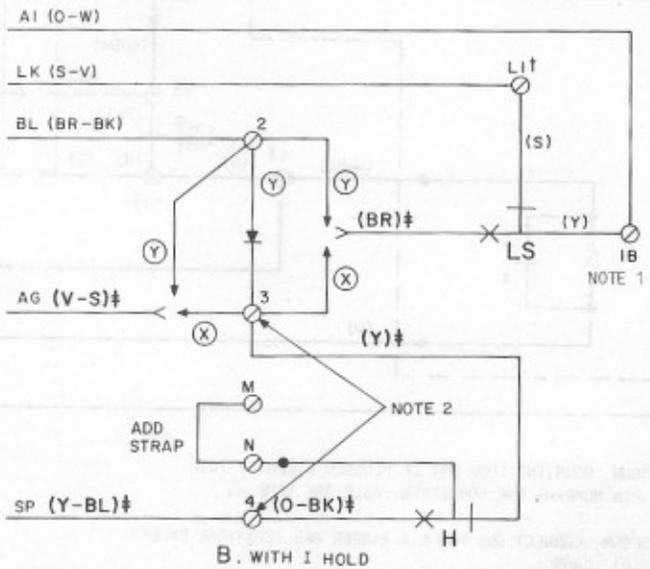
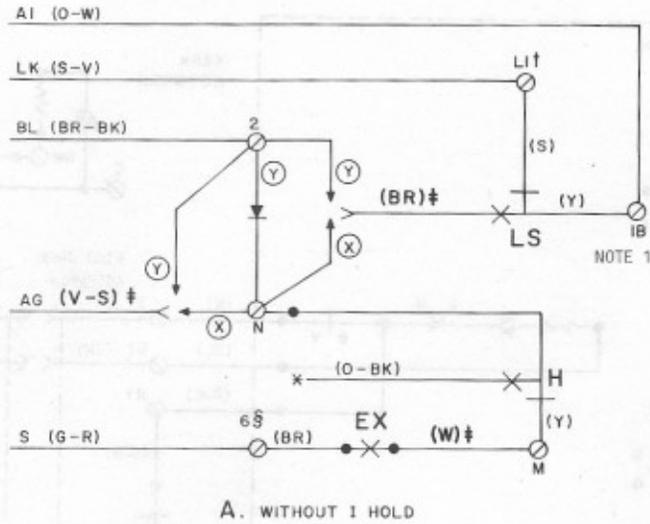
EX-EXCLUSION SWITCH

* - INSULATED AND STORED

† - NETWORK TERMINAL - UNDESIGNATED TERMINALS ARE ON KEY TERMINAL BOARD.

§ - TB2 TERMINAL

Fig. 1—2568HAA Telephone Set, Connections (Sheet 2 of 2)



NOTES:
 1. UNDESIGNATED TERMINALS ARE ON 636A KEY TERMINAL BOARD.
 2. DISCONNECT, INSULATE AND STORE BZ, BZI, AND BUZZER LEADS.

- EX - EXCLUSION SWITCH
- LS - LINE SWITCH
- H - HOLD KEY
- (X) - WITHOUT BUSY LAMP
- (Y) - WITH BUSY LAMP
- * - INSULATED AND STORED
- † - NETWORK TERMINAL
- ‡ - LEADS INVOLVED IN MODIFICATION
- § - TB2 TERMINAL

Fig. 3—1A1 or 1A2 KTS—With or Without I Hold and/or Busy Lamp Modification

TABLE A
PICKUP-SIGNAL KEY CONVERSION

KEY TEL SET	CONVERSION OPTIONS	636A KEY LEADS			
		Y-BR	BR	S-R	BR-BK
2568HAA (MD) and 2568HAAM	HPPPPP (Note)	M	M	M	X
	HPPPPS	M	M	M	SG
	HPPSSS	M	M	SG	X
	HPPSSS	M	X	SG	X
	HPPPP*S*	M	M	5H	†
	HPPP*P*S*	M	X	5H	†
	HPP*P*P*S*	X	X	5H	†

* 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.

† Connect to the same terminals as (BR) line switch lead depending on option required.

Note: To convert from pickup (locking) to signaling (nonlocking) remove the 811218924 (P-12A892) screw detail at the key position being converted.

TABLE B
819040528 (P-90D052) POLARITY GUARD CONNECTIONS

LEAD	COLOR	REMOVE FROM	CONNECT TO
Line Switch	W	C*	S†
Dial	G-W	C*	S†
	BK	RR*	T†
Polarity Guard	W		C*
	G		RR*

* Network terminal.

† Polarity guard terminal.

Note: Polarity guard for use when specified by local instructions for end-to-end signaling installations.