

TELEPHONE SETS - 568 TYPES

IDENTIFICATION AND ASSEMBLY OF PARTS

1.00 GENERAL

The 568HB (rotary dialing) and 568HT (touch-tone calling) telephone sets covered in this section are arranged for common battery operation on either 2-wire or 4-wire lines.

2.00 IDENTIFICATION

2.01 These telephone sets are available in black (3) only. They have the same features and components as the 565HB except for the following:

- The 568HT is equipped with a touch-tone dial.
- A relay is internally wired to permit switching from 2-wire to 4-wire circuitry.
- The mounting cord is plug ended.

2.02 The identification and assembly of parts of the 565HB set are covered in the C Section entitled Telephone Sets, 540 and 560 Types. This section provides information on the additional features mentioned in 2.01.

2.03 The 568HT telephone set is equipped with a 22A (pushbutton-type) dial. Buttons 1 through 0 are for pulsing central office numbers. Two additional buttons, colored red, are designated P (Priority) and SG (Special Grade). On stations privileged to do so, priority or a special grade facility may be obtained on 4-wire lines by momentarily operating the P and/or SG buttons before the number is dialed. Fig. 1 is a 568HT telephone set with a typical arrangement of pickup and signaling keys.

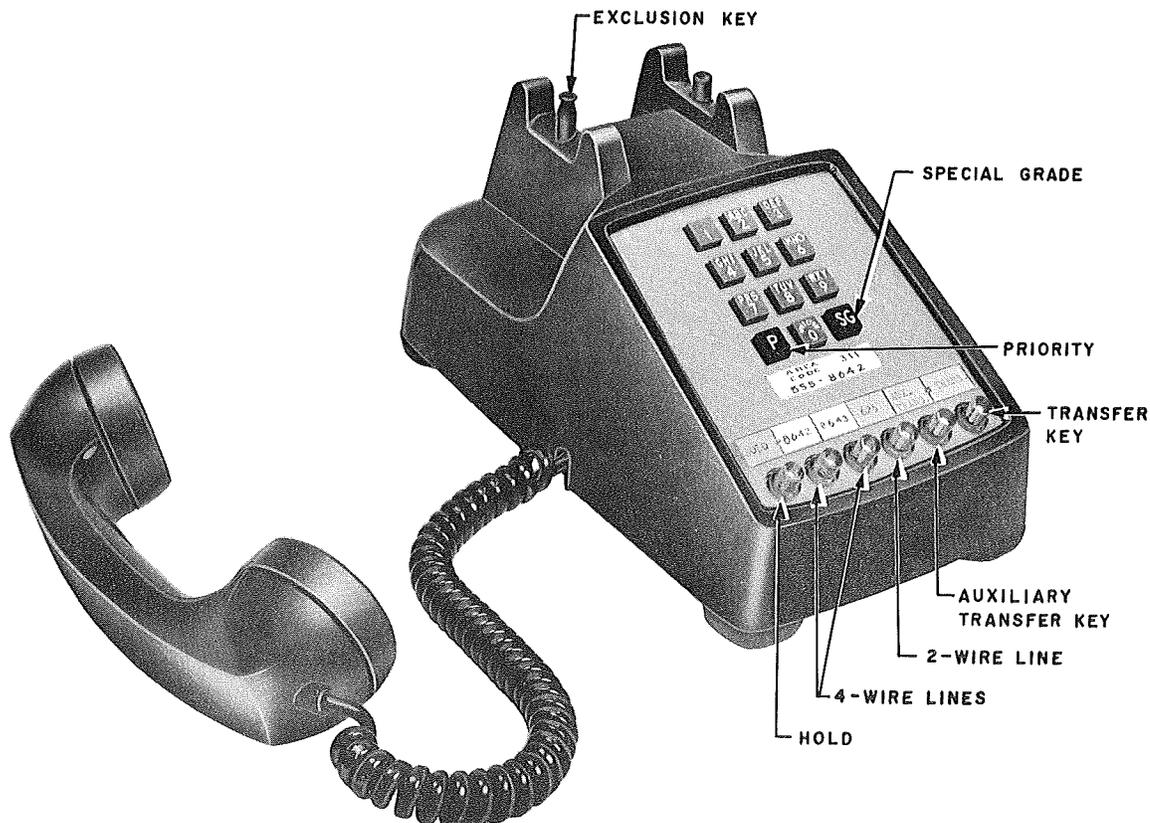


Fig. 1 - 568HT Telephone Set With Typical Arrangement of Pickup and Signaling Keys

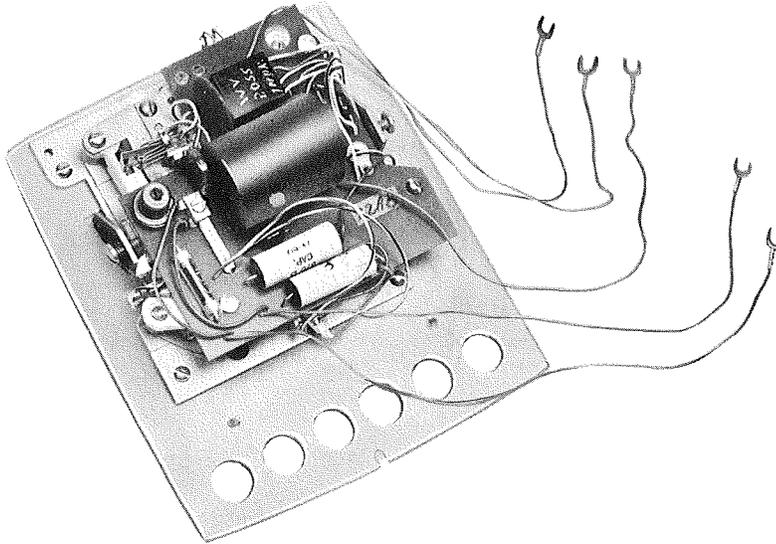


Fig. 2 - 22A Dial, Rear View

2.04 Priority or special grade on 4-wire lines is achieved on rotary dial telephone sets by dialing certain digits ahead of the called number digits.

2.05 The 22A dial is equipped with a transistor-oscillator which generates the customer dialing signals. The oscillator is powered by the telephone line current. A rear view of the dial is shown in Fig. 2.

2.06 The oscillator generates two frequencies simultaneously. The push-button at each grid intersection selects its coordinate frequencies (see Fig. 3). For example, button 5, depressed, selects 1336 cycles and 770 cycles for transmission to the central office.

2.07 When 568-type sets are connected to a 2-wire line, the usual 500-type set transmission circuitry is used.

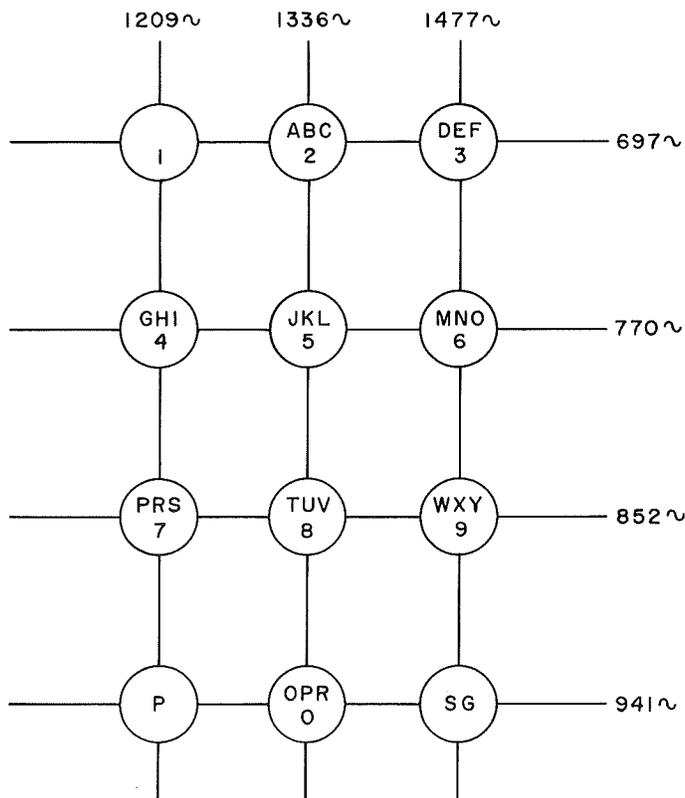


Fig. 3 - Dial Frequencies

2.08 When 568-type sets are connected to a 4-wire line, the FW (4-wire) relay (see Fig. 4 and 5) operates and disconnects the receiver from the 425E network. A repeating coil in the associated line circuit matches the receiver to the receiving loop to obtain a true 4-wire termination. The

handset transmitter is connected through the network coil and equalizer to the transmitting loop. The equalizer acts to limit the transmitting level on short loops.

2.09 The cover of the relay is hermetically sealed and does not permit observation or adjustment of the contacts.

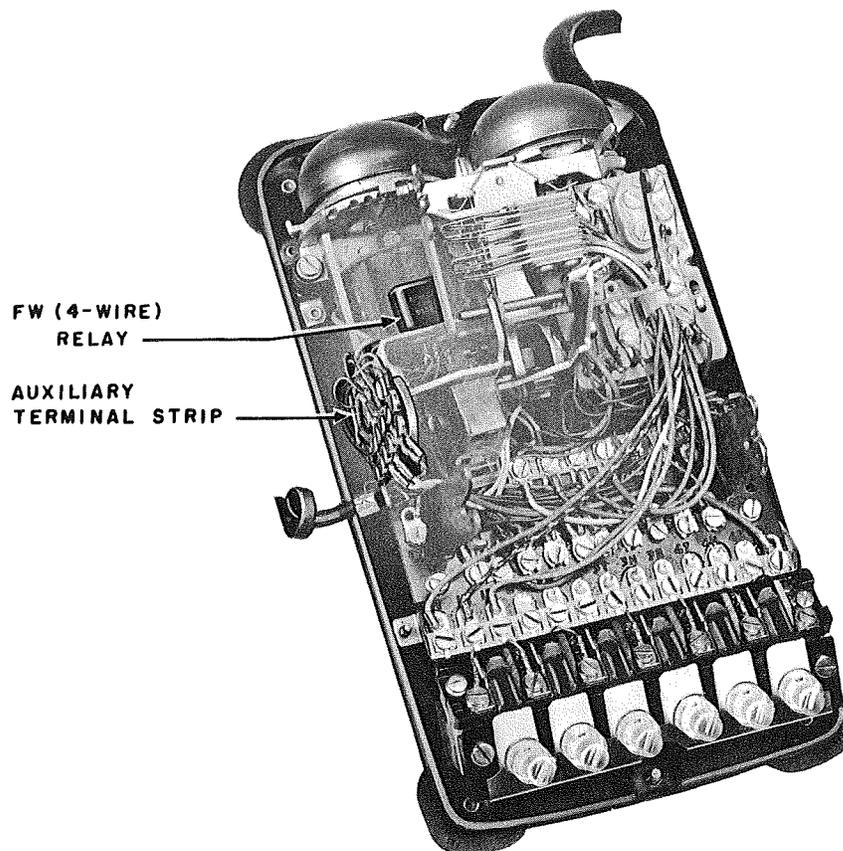


Fig. 4 - Base of 568-Type Set, Dial Removed

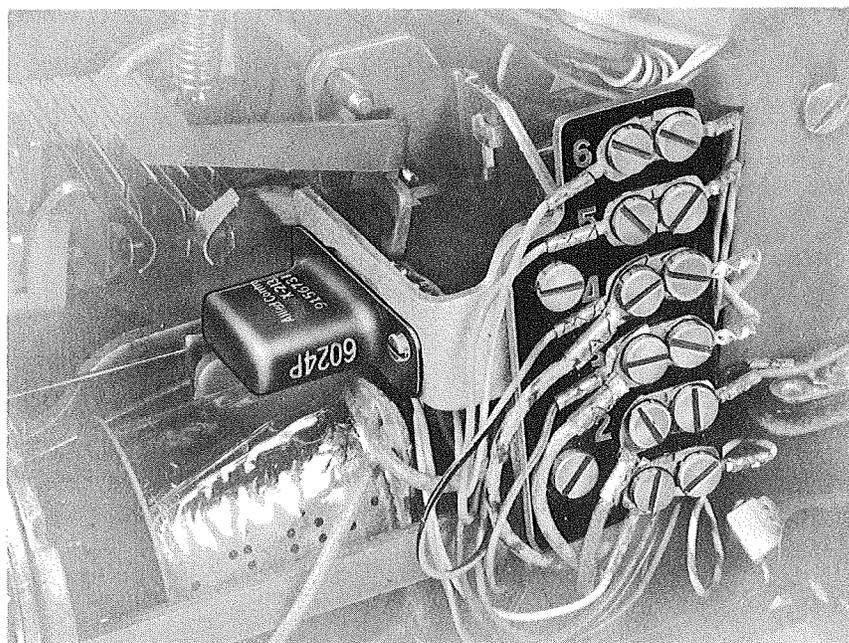


Fig. 5 - FW (4-Wire) Relay and Auxiliary Terminal Strip

2.10 Fig. 6 shows a 568HB telephone set and mounting cord equipped with a multicontact plug.

The connector cable must be ordered separately. For information on the A25B connector cable, refer to the C Section entitled Connector Cables.

2.11 Fig. 7 illustrates how the plug joins with an A25B connector cable.

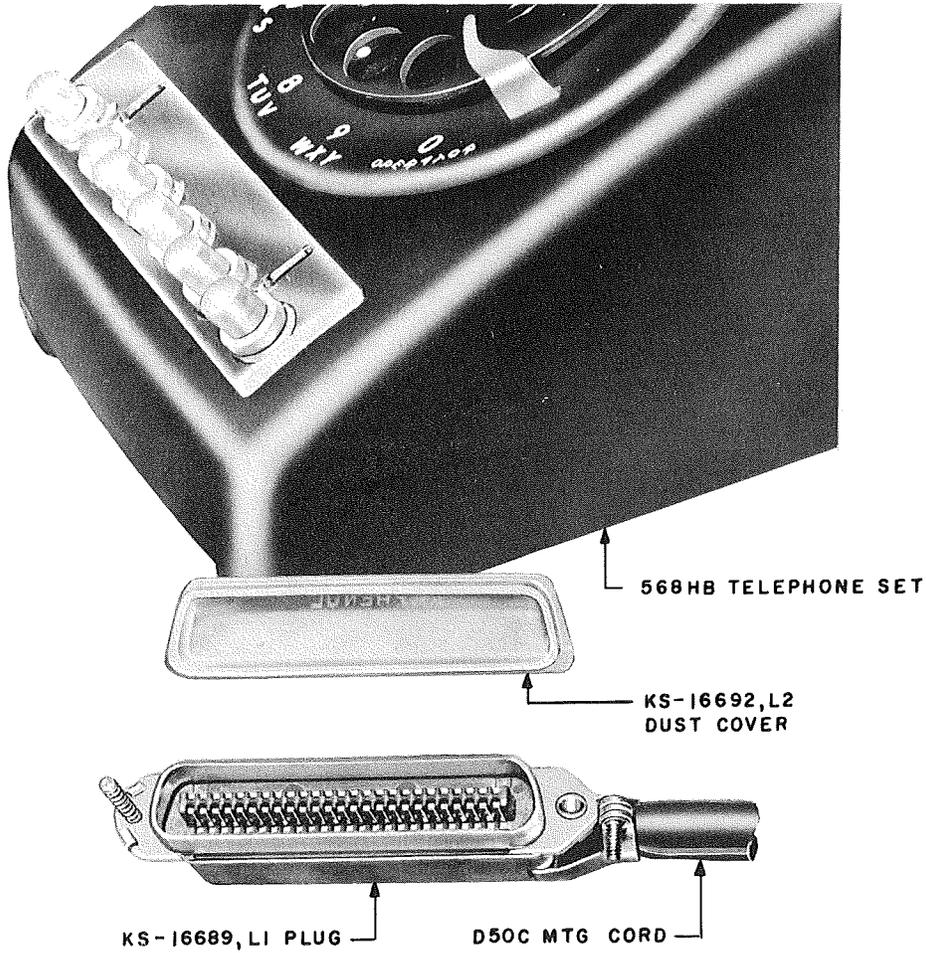


Fig. 6 - 568HB Telephone Set With Plug-Ended Cord

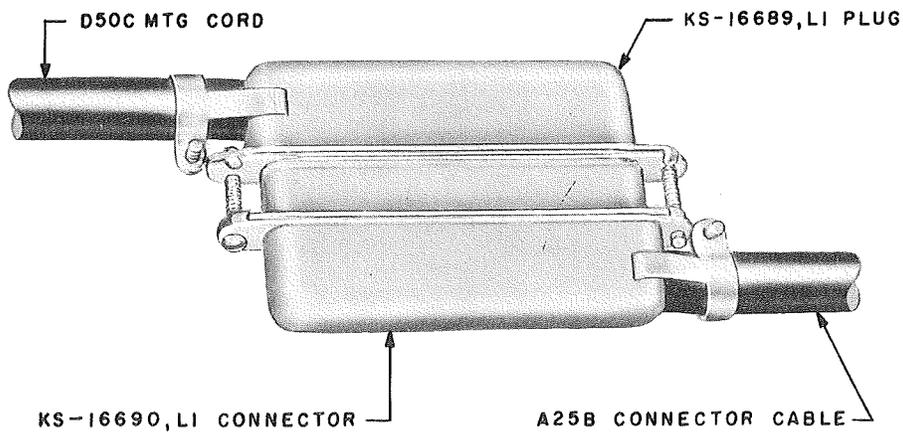


Fig. 7 - D50C Mounting Cord Joined With A25B Connector Cable