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STATION DIALS

70-TYPE

IDENTIFICATION AND MAINTENANCE

1. GENERAL

- 1.01** This section is reissued to add a 446B Zener diode (CR2) to the circuit.
- 1.02** This section provides information on the 70-type dial for use in single slot coin telephone sets and the 2755A apartment door answering telephone set.



Field adjustments of the 70A dial are not recommended. Maintenance consists only of determining if the dial is defective. Dial test procedures are found in individual telephone set practices.

2. IDENTIFICATION

- 2.01** The 70-type dial (Fig. 1) is a 12-button TOUCH-TONE® dial. It provides special protection against water, flame, and mechanical shock. Ten of the pushbuttons are used for number or number and letter calling and two pushbuttons designated * and # are for special services.
- 2.02** Each pushbutton, when operated, generates a signal distinctive to that pushbutton. All pushbuttons operate the common switch which reduces sidetone to the receiver, opens the transmitter path and applies bias voltage to the transistorized oscillator. The 70-type dial uses a 9B hybrid integrated circuit (HIC) oscillator to generate the signaling frequencies.
- 2.03** The dial provides circuitry (Fig. 2) for operation in coin telephone sets or apartment door answering telephone sets. Ten spade-tipped leads are provided for connection of the dial in the telephone set.
- 2.04** The 70A dial has a metal front plate and metal buttons assembled as an auxiliary pad which attaches on the front of the TOUCH-TONE dial mechanism. A rubber membrane, located in this pad, serves as a water barrier.



Fig. 1—70A Dial

3. MAINTENANCE

- 3.01** When replacing 35T3A dial with 70A dial, the complete dial and housing assembly must be changed.

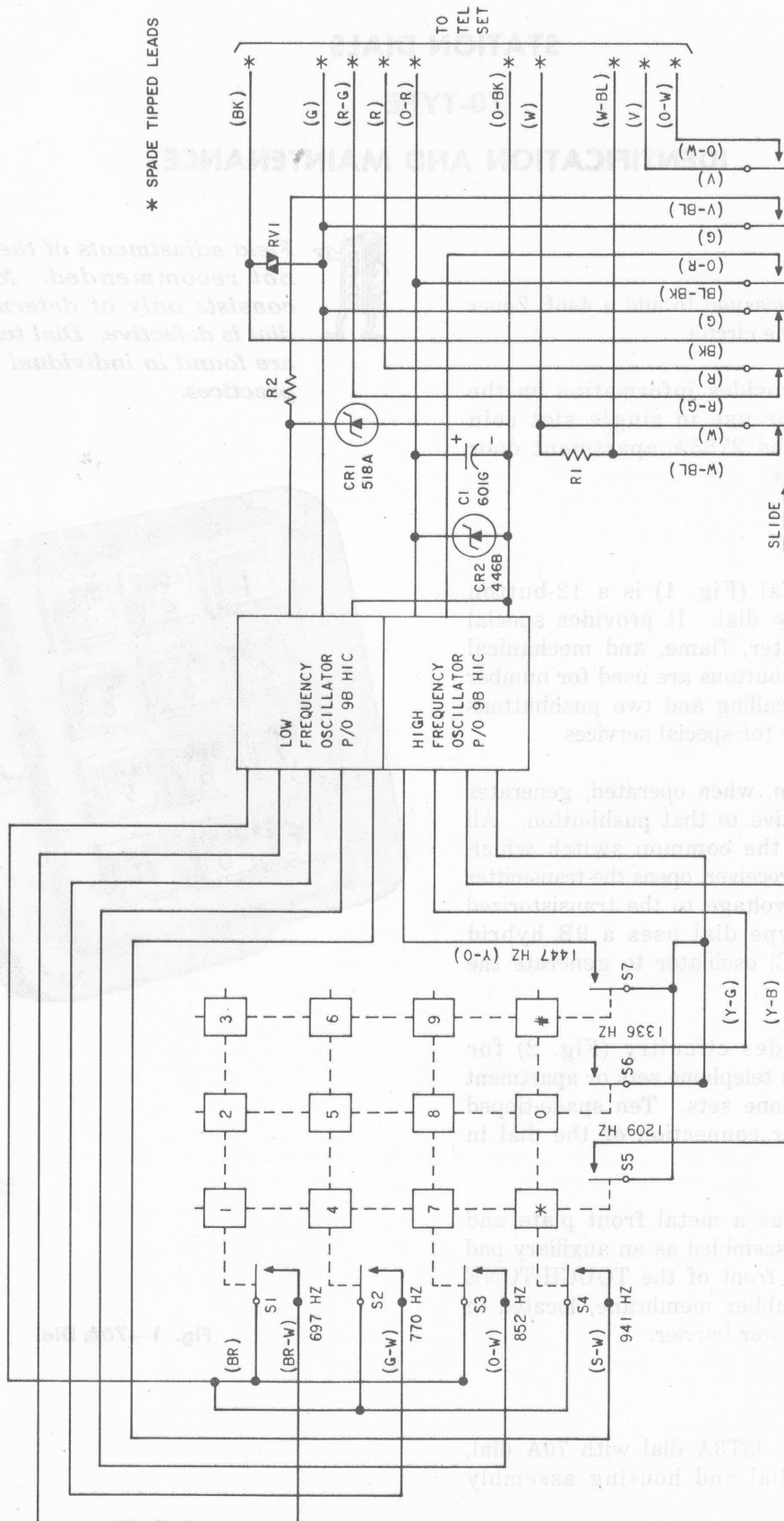


Fig. 2—70A Dial, Functional Schematic