

## STATION DIALS

### 1035 AND F-56309 TYPES

### IDENTIFICATION AND CONNECTIONS

#### 1. GENERAL

1.01 These dials are intended for use with most standard rotary dial telephone sets to provide for TOUCH-TONE® signaling.

1.02 This section is reissued to:

- Add information on the 1035C3A dial.
- Show the 1035B3 dial rated MD.
- Revise Fig. 2 to provide for connecting the polarity guard behind the telephone set line switch.

Since this reissue covers a general revision, arrows ordinarily used to indicate changes have been omitted.

#### 2. IDENTIFICATION

2.01 The 1035B3(MD) and F-56309(MD) dials are similar in appearance (Fig. 1). Initial production dials were coded F-56309 while later production dials were coded 1035B3. These dials consist of:

- 35B3 dial (12-button TOUCH-TONE)
- Polarity guard (four KS-15724, List 2 diodes)
- Terminal board assembly (P-27E788)
- D-14M mounting cord
- Molded plastic housing

2.02 The 1035C3A dial differs in appearance from the 1035B3(MD) dial only in the marking of the two special service buttons. An \* and a # designation are used on the lower left and right buttons, respectively. These dials consist of:

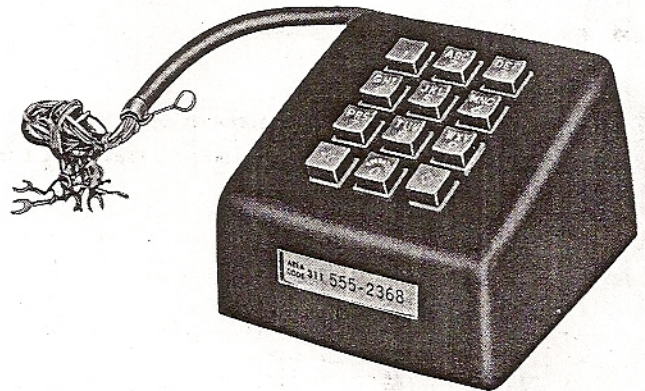


Fig. 1—1035B3 (MD) or F-56309 (MD) Dial

- 35C3A dial (12-button TOUCH-TONE)
- P-90D012 polarity guard (mounted on P-22F411 bracket)
- Terminal board assembly (P-44E704)
- D-14M mounting cord
- Molded plastic housing

2.03 The 1035C3A dial has an expanded common switch which permits:

- End-to-end signaling with telephone sets wired for speakerphone operation
- Use of amplified handsets
- 2- and 4-wire operation of the associated telephone set

2.04 These dials are available in all standard colors. Refer to Section 500-120-100 for promoted and nonpromoted colors.



## 3. CONNECTIONS

3.01 Schematics of the 1035-type dials and typical connections to a telephone set circuit are shown in Fig. 2 and 3. Terminating points will vary between telephone sets.



*During signaling with the 1035-type dial if trouble is experienced with false signals being transmitted, due to voice conversation pickup, use exclusion switch to provide for transmitter cutoff.*

*Connect the transmitter circuit through a contact of the exclusion switch so that the circuit is opened when the exclusion switch is operated.*

3.02 When the 1035B3(MD) dial is connected to a telephone set using speakerphone, the TOUCH-TONE dial may be rendered inoperative after the called party answers due to the battery reversal of some central offices. Where this type of operation is objectionable, the 1035C3A dial should be be used.

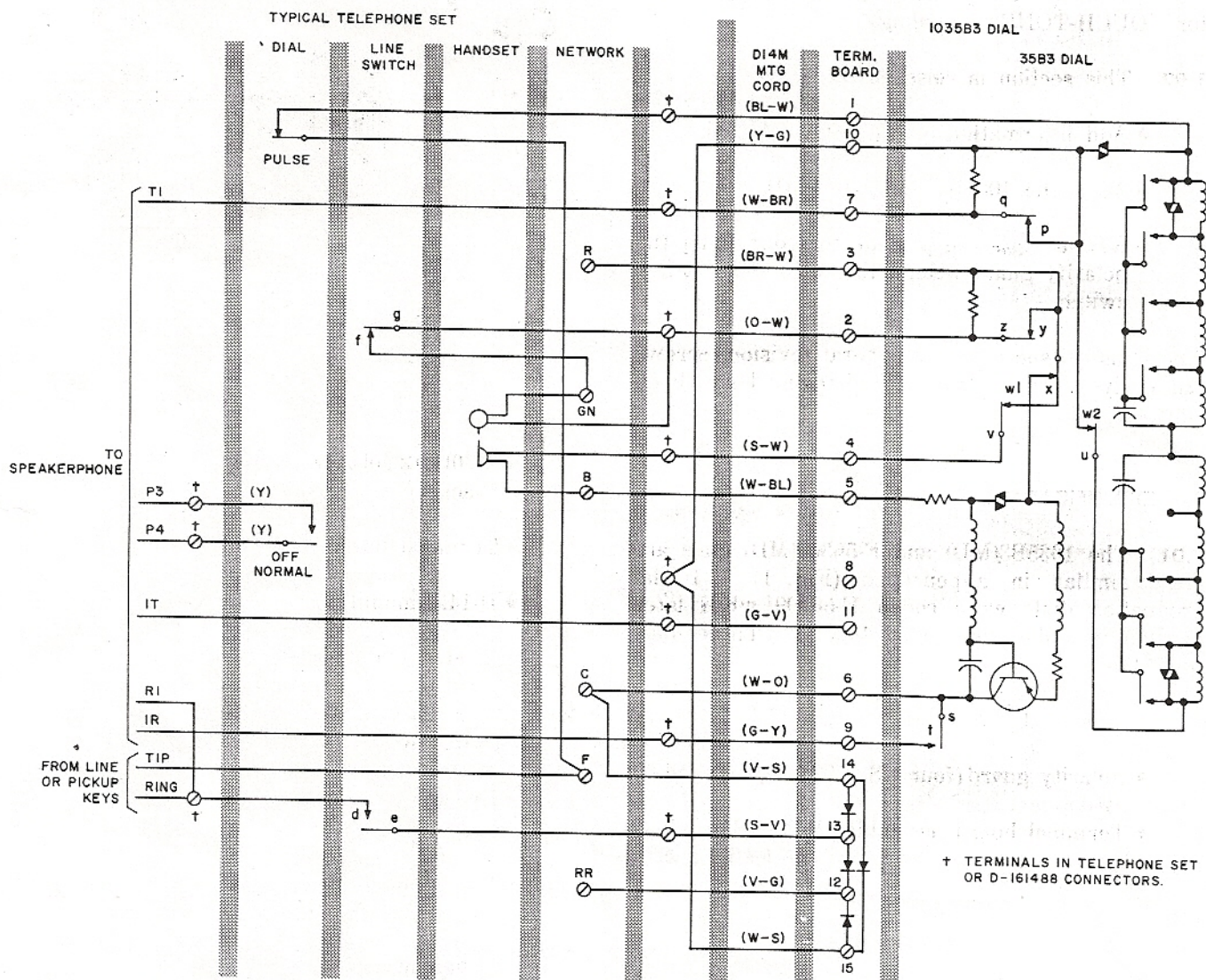
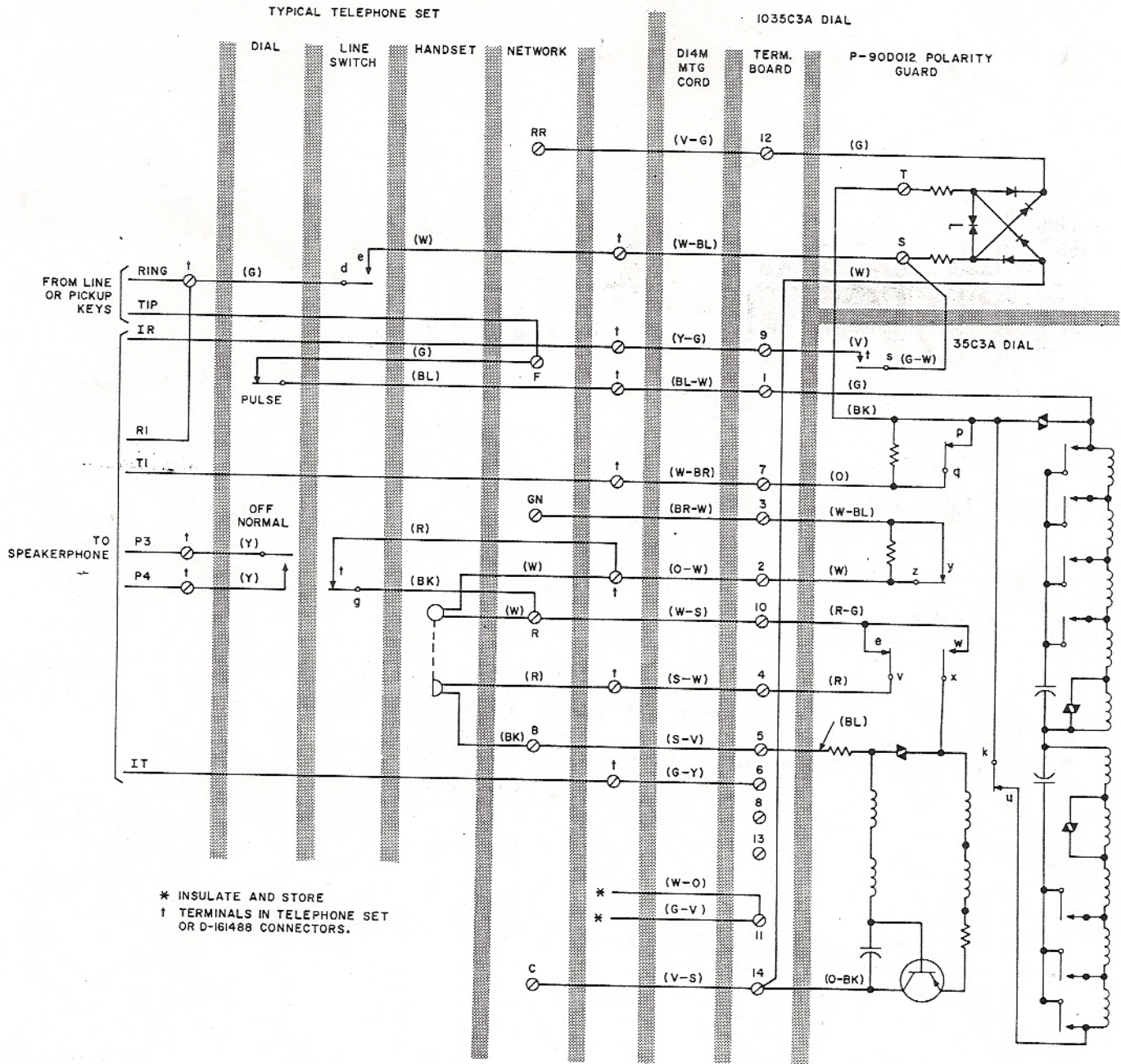


Fig. 2—1035B3 (MD) Dial, Typical Connections to Telephone Set





**Fig. 3—1035C3A Dial, Typical Connections to Telephone Set**