

## REFERENCE

### 3211-TYPE HAND TELEPHONE SETS

#### 1. GENERAL

1.01 This section provides identification, installation, maintenance, and connection information for the 3211J-type, 3211K-type, 3211L-type and 3211P-type hand telephone sets.

1.02 All 3211-type hand telephone sets use the 62A-type dial mounting to house 66-type dials with 16 pushbuttons.

1.03 3211-type hand telephone sets may use G8, G9, G10, or G11-type handset mountings (Figs 2-5).

#### 2. IDENTIFICATION

2.01 These sets are primarily designed for wall or desk mounting, can be used on CO and PBX lines, or with 1A1 or 1A2 key telephone systems. They may be wired for 2-wire or 4-wire service. Refer to Table A for associated apparatus required for specific type or class of service.

#### 3211P HAND TELEPHONE SET

2.02 The 3211P-type is factory wired for 4-wire service and intended for use in the Automatic Voice Network (AUTOVON).

2.03 The 3211P-type (AUTOVON) set requires use of the G11-type handset mounting.

2.04 The 3211P-type (AUTOVON) set requires using a modified 688C Subscriber Set with a 59-type terminal board and KS-13638D FW relay (Fig. 6).

2.05 When a lighted dial is used in the 3211P-type hand telephone set, then a three position night light switch may be added to the 62A dial mounting. The three positions of the switch are Dim/Off/Faint (Fig 7).



Fig. 1 — 3211-Type Hand Telephone Set  
(3211PWB shown)

2.06 The 4A speakerphone system may be used with the 3211P-type (AUTOVON) hand telephone set when a 59B-type terminal board is installed in the modified 688C Subscriber Set (Fig. 8).

#### NOTICE

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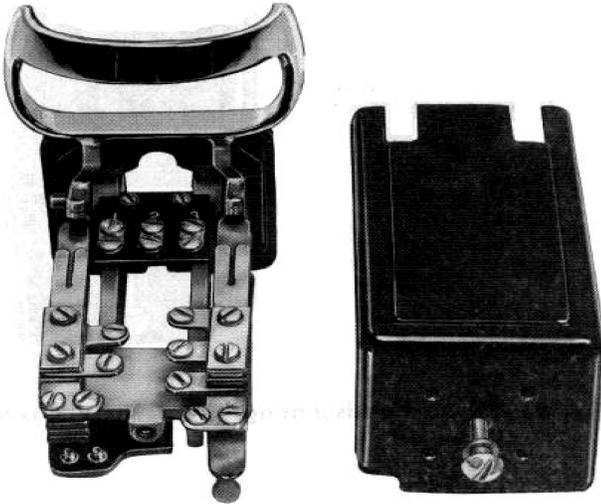


Fig. 2 — G8 Handset Mounting, Front View  
Cover Removed

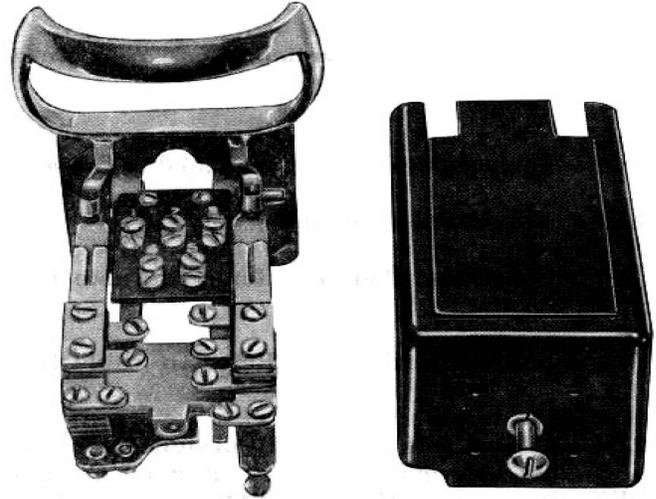


Fig. 4 — G10 Handset Mounting, Front View  
Cover Removed

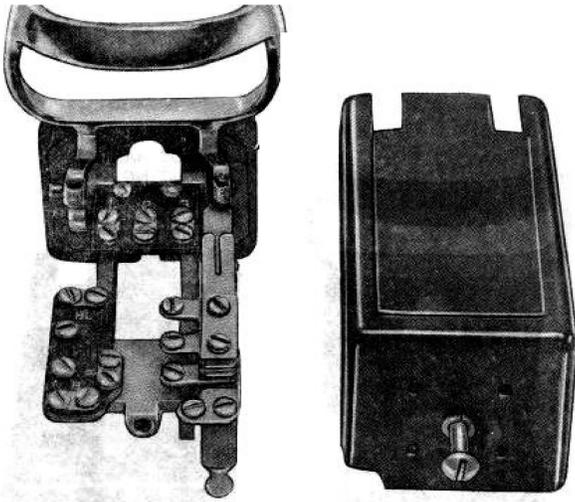


Fig. 3 — G9 Handset Mounting, Front View  
Cover Removed

### 3. INSTALLATION

**3.01** 3211-type hand telephone sets, subscriber sets, and associated station apparatus should be fastened securely to a substantial mounting surface. Refer to Table C for recommended fasteners.

**3.02** In order to provide adequate transmission to prevent crosstalk, the subscriber set should be mounted within 30 feet of the hang-up type hand telephone set.

**3.03** The 62A dial mounting used with the G-type handset mounting is arranged so the dial may be rotated. Dial is locked in one of 12 positions at 30-degree intervals, by means of notches in base of dial mounting. Notches engage two studs at the top of handset mounting.

**3.04** The 62A dial mounting may also be tilted as much as 45 degrees backward in 15 degree intervals.

**3.05** The 62A dial mounting uses the 76-type terminal boards which have sufficient terminals that all 66-type dial leads may be connected within the dial mounting, allowing the replacement of dials without disturbing the G-type handset mounting.

**3.06** When a lighted dial such as a 66A4B dial is installed in the 62A-type dial mounting, a 76D-type terminal board must be used. Also, if the night light feature is desired, the plastic plug must be removed from the bottom of the 62A dial mounting and a 826J Dim/Off/Faint switch wired to the 76D-type board.

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Fig. 5 — G11 Handset Mounting, Front View with TB1 Board, Cover Removed, Back View with TB2 Board



Fig. 6 — KS-13638 4-wire Relay and mount for 59-type terminal board

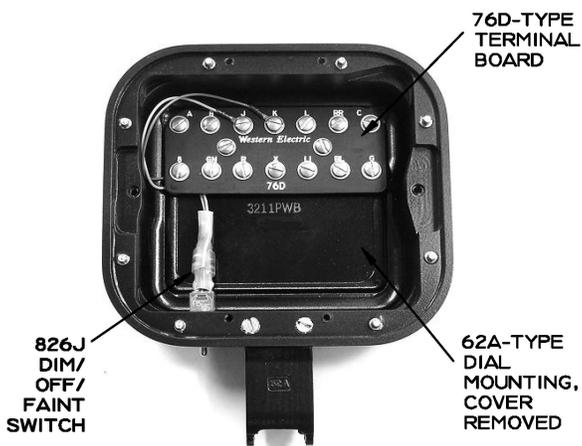


Fig. 7 — 62A-type Dial Mounting with 76D-type terminal board and 826J Switch

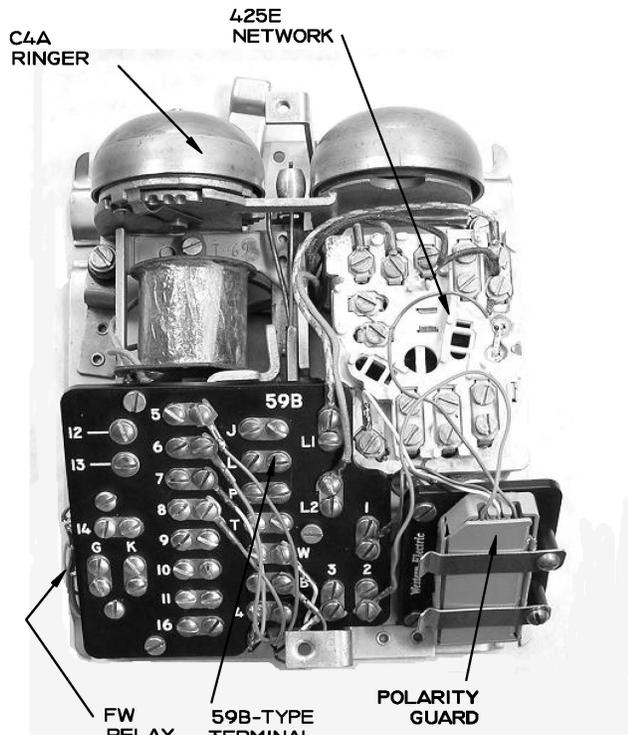
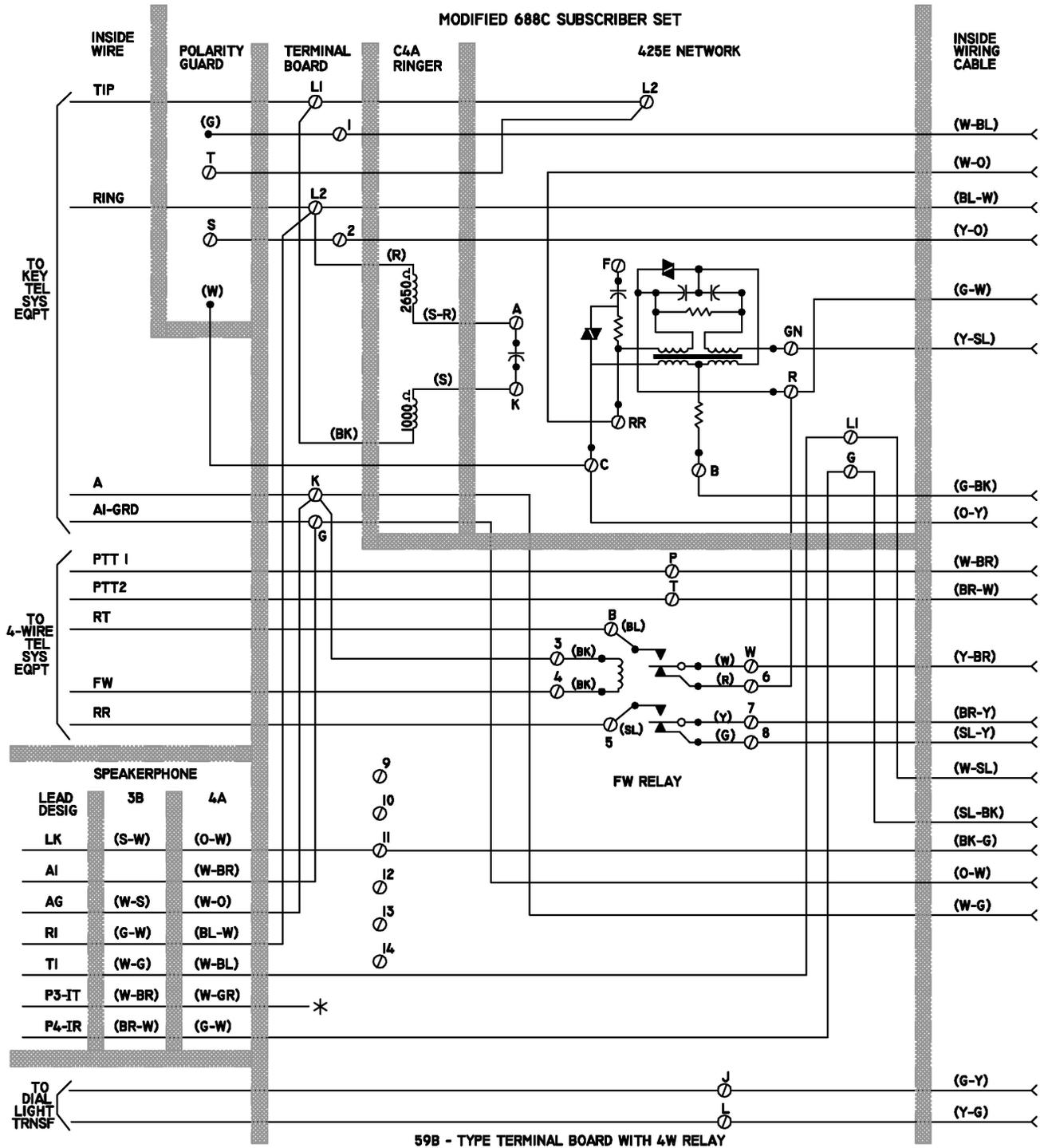


Fig. 8 — Modified 688C Subscriber Set with 59B-type terminal board, FW relay and Polarity Guard

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NOTES:

1. LINE SWITCH SEQUENCE, HANDSET REMOVED:
    - bc MAKES
    - ab BREAKS
    - de MAKES
    - fg MAKES
    - hi MAKES ANYTIME (FOR LAMP)
  2. SUBSET 688C IS MODIFIED BY REPLACING 241 AMPLIFIER WITH 59B-TYPE TERMINAL BOARD AND FW RELAY
- \* INSULATE AND STORE  
( ) CURRENT COLOR CODE

**Fig. 15 - Connections for 3211PWB Hand Telephone Set Used With Modified 688C Subscriber Set Wired for Use With 1A1 or 1A2 Key Telephone System, AUTOVON 4-Wire Service Bridged Ringing and Speakerphone (Sheet 1 of 2)**

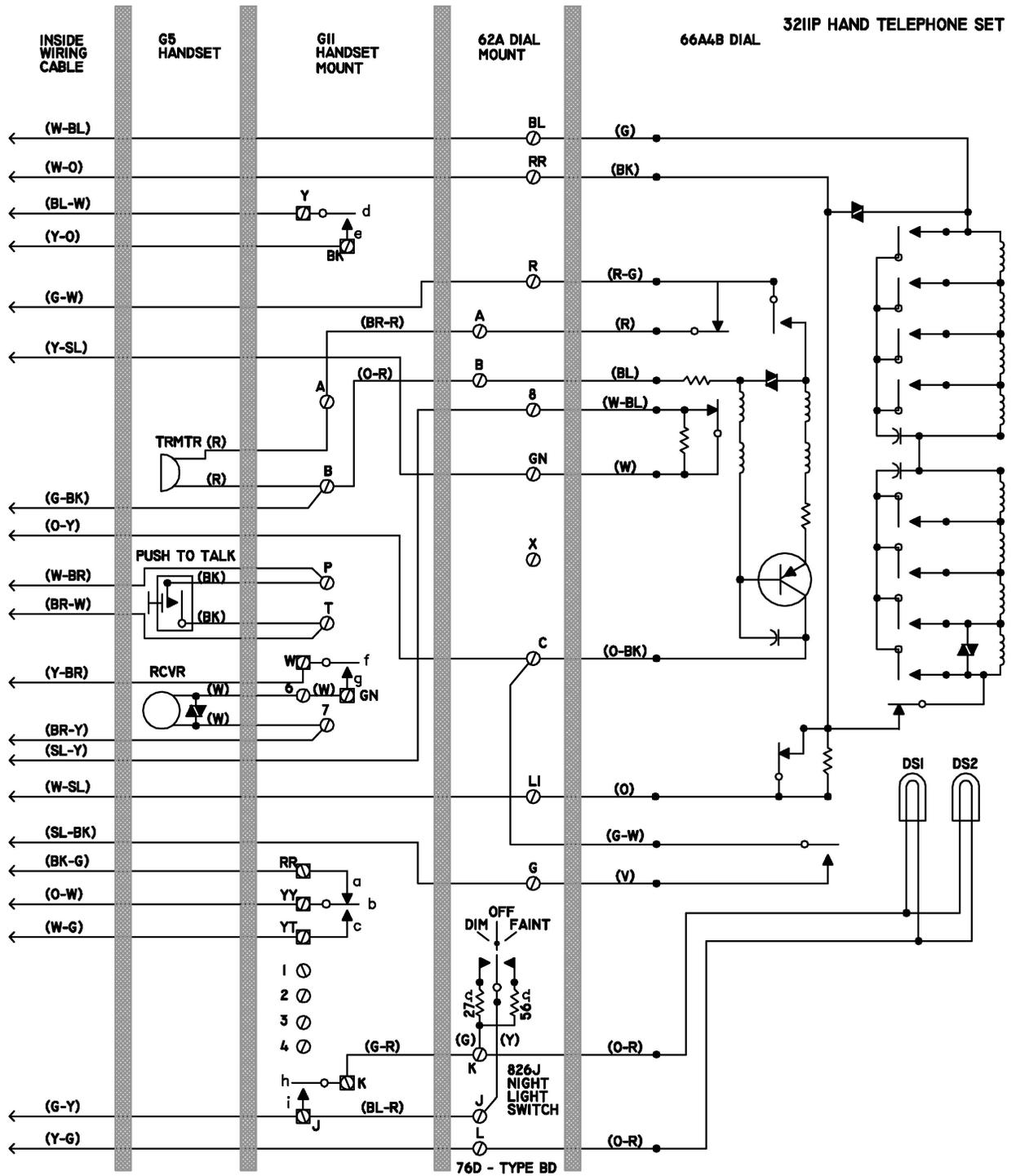


Fig. 15 - Connections for 3211PWB Hand Telephone Set Used With Modified 688C Subscriber Set Wired for Use With 1A1 or 1A2 Key Telephone System, AUTOVON 4-Wire Service Bridged Ringing and Speakerphone (Sheet 2 of 2)