TELEPHONE SETS

701 AND 711 TYPES

IDENTIFICATION AND ASSEMBLY OF PARTS

1.00 INTRODUCTION

This section covers the 701B, 701D, and 711B telephone sets (see Fig. 1 through 9). These telephone sets are referred to as Princess sets.

2.00 GENERAL

2.01 These common battery desk-type telephone sets are equipped with a lamp to illuminate the dial when the handset is removed. In addition, this lamp acts as a night light under the control of a switch. The 701B telephone set may be rewired for use with 1A1 key telephone systems with a lead control. This requires wiring changes within the set.

2.02 The 701B telephone set (Fig. 1) is furnished wired for individual and 2-party flat-rate service. Changes may be made for other services as follows:

- Tip-party, message rate, flat rate with automatic ticketing, zone registration, and automatic message accounting (a cord conductor is moved to a different terminal as shown in the section on connections. When no ringer is used, a coil for tip-party identification is installed in the base of the telephone set. The 1610A inductor is expected to be available about October, 1960.

Fig. 1 — 701B Telephone Set

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2.03 The 701D telephone set (Fig. 2) is the same in design and circuitry as the 701B with the added feature of a message-waiting lamp. This set is intended for use in hotels and motels which are provided with the associated message-waiting equipment.

2.04 The 711B telephone set (Fig. 3) is furnished wired for 2-line pickup, exclusion, and signaling service. Wiring changes are made to provide additional services as shown below:

- Use with 1A home interphone.
- Use with 2A farm interphone.
- Use with speakerphone systems.

See C section pertaining to the respective system for specific changes required.
2.05 The 700-type telephone sets are available in the following colors:
White (—58)    Aqua blue (—62)
Rose pink (—59) Turquoise (—64)
Light beige (—60)

3.00 DESCRIPTION

3.01 Components of the 700-type telephone sets are shown in Table A and Fig. 4 through 9. Descriptions of these items may be found in the appropriate C sections.

Fig. 4 — 701B Telephone Set with Housing Removed
### TABLE A

**COMPONENTS AND ASSOCIATED APPARATUS FOR 700-TYPE TELEPHONE SETS**

<table>
<thead>
<tr>
<th>Type</th>
<th>Dial</th>
<th>Hand Set</th>
<th>Mounting Cord</th>
<th>Network</th>
<th>Dial Light</th>
<th>Message Waiting Lamp</th>
<th>Identification Coil</th>
<th>Tube for Polarized Ringing</th>
</tr>
</thead>
<tbody>
<tr>
<td>701B</td>
<td></td>
<td></td>
<td>D6AB</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>701D</td>
<td>8A</td>
<td>G3AR</td>
<td></td>
<td>495A</td>
<td></td>
<td>GE #46</td>
<td></td>
<td>1610A Inductor</td>
</tr>
<tr>
<td>711B</td>
<td></td>
<td></td>
<td></td>
<td>D14H</td>
<td></td>
<td></td>
<td></td>
<td>425A or 426A</td>
</tr>
</tbody>
</table>

### 3.02
The transmission circuit for the 700-type telephone set is the same as for the 500-type telephone set. However, since the ringer is always external with a 700-type telephone set, there is no ringing capacitor in the network.

### 3.03
The 8-type dial used in the 700-type set has a translucent number plate which is indirectly lighted by the dial lamp (see Fig. 4 and 7). This lamp operates when the handset is removed or the night-light switch is operated. Current for the dial lamp is furnished by a 2012A or KS-16184 transformer.

### 3.04
The fingerwheel of the 8A dial requires the use of the modified station number card as covered in the C Section entitled Station Number Cards and Holders.

### 3.05
A slide switch located in the base of the set, at the rear, controls the night-light circuit (see Fig. 8 and 9). This circuit provides a steady, reduced illumination of the dial.

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**Fig. 5—1610A Inductor Showing Components**

**Fig. 6—1610A Inductor Installed in 701B Telephone Set**
3.06 The lamp socket assembly, with the lamp, is easily removed through the base of the set. It is not necessary to open the set for lamp replacement. (See Fig. 8 and 9.)
Fig. 8 — 701B Telephone Set with Dial and Lamp Socket Removed
Fig. 9 — 711B Telephone Set with Dial and Socket Removed