

BELL SYSTEM PRACTICES
Station Installation and Maintenance

SECTION C32.530
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AT&T Co Standard

TELEPHONE SETS
466-TYPE
DESCRIPTION AND USE

1. GENERAL

1.01 This section gives general information pertaining to the description and use of the 466-type telephone set.

1.02 **Advantages:** This illuminated key button telephone set is designed for use with the 755-A PBX. It provides self contained line and busy lamp signals within the set housing and thereby eliminates the need for separately mounted lamp indicators. This eliminates the necessity of selecting suitable locations and installations of the separately mounted indicators.

1.03 **Use:** For general information relative to the use that is made of this set see subdivision B856 covering the 755-A PBX. Section C32.525 covers the cording of this key telephone set.

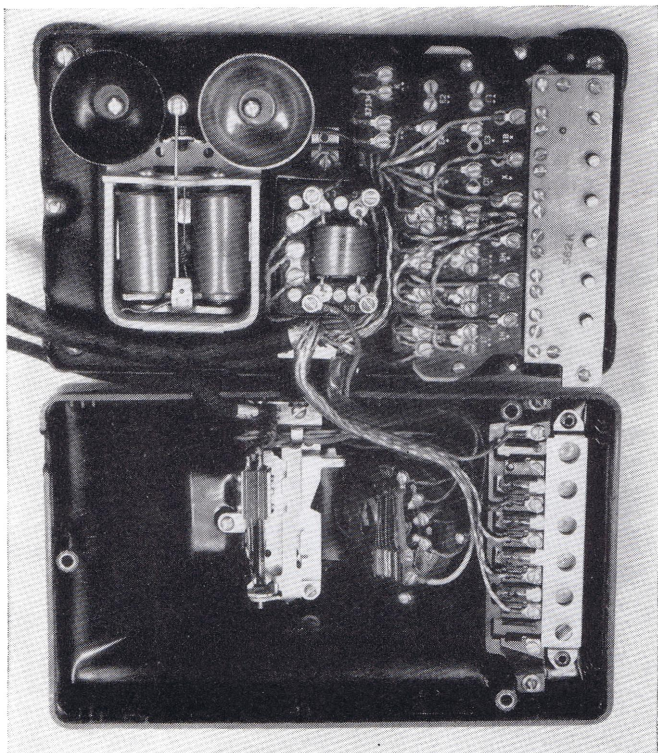
2. DESCRIPTION

2.01 **External:** The 466-type telephone set is a six-button key set of the combined set type as shown in Fig. 1. The external appearance is the same as the nonilluminated key sets except that clear plastic buttons are used instead of black buttons while cords with sufficient conductors are required to provide lamp lead connections. Although similar in appearance to other multi-button key telephone sets the key pile-up and latch releasing mechanism of the 466-type set is unique and is used only with 755-A PBX equipment.



**Fig. 1—Typical Illuminated Button Key Telephone Set—
External View**

2.02 **Internal:** The internal construction is similar to the nonilluminated set except for the lamps which provide illumination to the clear plastic buttons. These sets include in a single housing the switching keys, line and busy lamps, induction coil, condenser and a ringer as shown in Fig. 2.



**Fig. 2—Typical Illuminated Button Key Telephone Set—
Internal View**

2.03 Lamps: The set is equipped with 51A lamps. The diameter of the lamp is the same as a standard switch-board lamp but the length is considerably shorter because of limited space available inside the set housing. An individual lamp is provided for each pickup position of the different keys used. These lamps are inserted in molded mounting strips which are fastened in the telephone set just behind the buttons.

2.04 **Buttons Designation Card Window:** The clear plastic designation card window is held in place just behind the buttons by a friction grip on the designation window pins when inserted in the two small holes in the housing. Due to space limitation, somewhat shorter pins are required for the designation windows, therefore, they are not interchangeable with the old style windows with the long pins.

3. APPARATUS

Combination of Apparatus and Component Parts

| Code No. | Description |
|----------|------------------------|
| 195B | Condenser |
| 6A | Dial |
| 59A | Dial Adapter |
| FIG-3 | Handset |
| 101A | Induction Coil |
| 51A | Lamp |
| D15A | Mounting Cord |
| B1AL | Ringer |
| L9A | Telephone Set Mounting |

3.01 **Cords:** When indicated on the service order or on other proper authorization the H3AF retractile cord may be substituted for the standard H3AG handset cord. Mounting cord terminations should be made in accordance with Fig. 11 of SD-66507-01 and C33.545 Fig. 17 and Table 5.

4. PIECE PARTS

4.01 Piece parts for illuminated button arrangement which may be required for replacement purposes are as follows:

| Piece Part No. | Description |
|----------------|---------------------------------------|
| P483025 | Terminal lamp mounting strip assembly |
| P482841 | Clear plastic button |
| P482846 | Eyelet for blocking an unused button |
| P462122 | Button retainer strip |