



**TELEPHONE SET—1671A-TYPE**  
**Call-a-matic®**  
**IDENTIFICATION, INSTALLATION, OPERATION,**  
**MAINTENANCE, AND CONNECTIONS**

**1. GENERAL**

1.001 This addendum supplements Section 502-650-100, Issue 2. The attached pages must be inserted in the section in accordance with the filing instructions above.

1.002 This addendum is issued to add information on lamp replacement for 685 type key.

**5. MAINTENANCE**

The following change applies to Part 5 of this section.

(a) 5.05—added

**Attached:**

Page 11 dated January 1973, Revised  
Page 12 dated January 1973, Reissued

**5. MAINTENANCE**

**5.01** Work done on the customer's premises should be limited to verification of customer's trouble report, analysis of the trouble, readily made adjustments, and replacement of accessible parts which are readily available through supply channels.

**5.02** Make a visual inspection of the exterior and interior of the sets for defects, such as loose, displaced, or broken parts or loose connections; obstruction of moving parts; or the presence of foreign matter that may interfere with the proper operation of the set. If replacement parts are needed and are not readily available, replace set.

**5.03** The following components may be replaced if found defective:

- Handset and cord
- 1A Cartridge
- Transmitter and Receiver Unit
- 673A Transmitter
- 25U3 Dial
- Ringer or Buzzer
- 635A2 Key and Lamps
- KS-19956, List 1, 2, or 3 Designation strip
- Faceplate
- Directory window
- 21A Power Unit



*Make sure power unit is not disconnected from outlet or turned off in cases where the index tape will not rotate. Also, check for possible foreign matter obstructing gears.*

**5.04** Maintenance, on the customer's premises of the 51A dial is not recommended. 1A tape cartridges may be interchanged with another set so as not to inconvenience the customer by requiring the entry of listings on a new directory tape.

**5.05** The current production 635-type keys have been modified for easy lamp replacement by merely removing the lamp cap and inserting a 553-type tool through the hole in the top of the button. In early production keys, it was necessary to remove faceplate, key collar, and button for lamp replacement.

**6. CONNECTION INDEX**

Table B—Power Unit Connections

Table C—3B Speakerphone Connections for Adding 673A Transmitter to 1671A1 Set

Table D—Conversion of 635A2 Key—Pickup to Signaling

Table E—Connections for Adding Station Busy Lamp

Table F—Wiring Options

Fig. 13—1671A1 Telephone Set—Connections

**TABLE B**  
**POWER UNIT CONNECTIONS (See Note)**

21 TYPE POWER UNIT TERMINAL DESIG.		INSIDE WIRING CABLE	66E3-25 CONN. BLK.	D50Y MOUNTING CORD		
OLD (21A)	NEW (21A1)	COND. COLOR	CLIP NO.	PIN NO.	CON- DUCTOR COLOR	LEAD DESIG.
AC	AC	W-BL	34	17	O-Y	AC
*AC	†AC GRD	BL-W	33	42	Y-O	AC GRD
*REP GRD	†DC GRD	W-G	28	14	BR-BK	AMP GRD
		G-W	16	8	G-R	SCS GRD
—	—	W-O	22	11	BL-BK	-24V
+	+	O-W	10	5	S-W	+24V

\*Strap these terminals, use minimum 20 GA. wire.  
†AC GRD and DC GRD terminals are strapped at factory.

*Note:* To prevent "hum" in talking circuits, place a strap between a mounting screw for the terminal strip and REP GRD or DC GRD.



*Be sure power connections are correct. Wrong or reversed connections may damage the 51A dial.*