

## KS-16765, LIST 1, 2 ANNOUNCEMENT SETS INSTALLATION, CONNECTIONS, AND OPERATION

### 1. GENERAL

**1.01** The List 1 announcement set is designed for loop-start operation on a customer's premises and the List 2 for ground start operation from the local equipment in the central office. The List 2 may also be located on a customer's premises when used with a 2A, 2B, or 3A ACD.

**1.02** This section is reissued to:

- Add information on kit of parts to remove 60 Hz hum in power supply
- Change line current fuse rating
- Add lubrication information at time of installation
- Add ACD information to Table A.

**1.03** These announcement sets (Fig. 1) contain fragile apparatus. To prevent damage, handle the sets carefully at all times.

**1.04** Refer to CD- and SD-95286-01 for List 1 and CD- and SD-95283-01 for List 2 announcement sets.

### 2. INSTALLATION

**2.01** The KS-16765, List 1 and 2 announcement sets are designed to operate on 110/125-volt ac power supply.



**Do not connect these announcement sets to direct current; this will seriously damage sets.**

**2.02** If direct current is the only available power supply, a KS-15662, List 1 vibrator-inverter must be used. Installation of this inverter is covered in Section 514-112-100.

**2.03** A 1/2-amp fuse is provided in both sets for electrical protection. **Sets equipped**

**with 1-amp AGC fuse will be changed to 1/2-amp AGC fuse.**

**2.04** The customer must provide and maintain a standard ac outlet for operation of the announcement set. The outlet must not be controlled by a switch.

**2.05** Announcement sets with B-650412 drive assemblies, equipped for 3-minute announcement recording capacity should **not** be installed for group alerting or in 8A announcement system without proper authorization. (Use of a set equipped with a 3-minute capacity will excessively increase the time between announcements for continuous operations in these systems.)

**2.06** Earlier type KS-16765, List 1 and 2 announcement sets that have a 60 Hz hum in the output of the set, can be upgraded in the field with a kit of parts to reduce the hum level. This kit is to be ordered directly from the manufacturer. The kit of parts consists of a 10 ohm, 3 watt resistor and 750  $\mu$ fd capacitor. Sets manufactured after the first quarter of 1971 are equipped with this modification.

Ordering information for the modification kit is as follows:

(Qty) KS-16765 Filter Assembly Kit

Order directly from: Wilcox Electric Company,  
14th and Chestnut Street, Kansas City,  
Missouri, 64127

Cost and shipping charges billed by manufacturer.

**2.07** Complete installation procedure is included with the kit of parts for both List 1 and 2 announcement sets. A complete schematic of the power supply will be found in SD-95286-01 and SD-95283-01 for the KS-16765, List 1 and 2 sets, respectively.

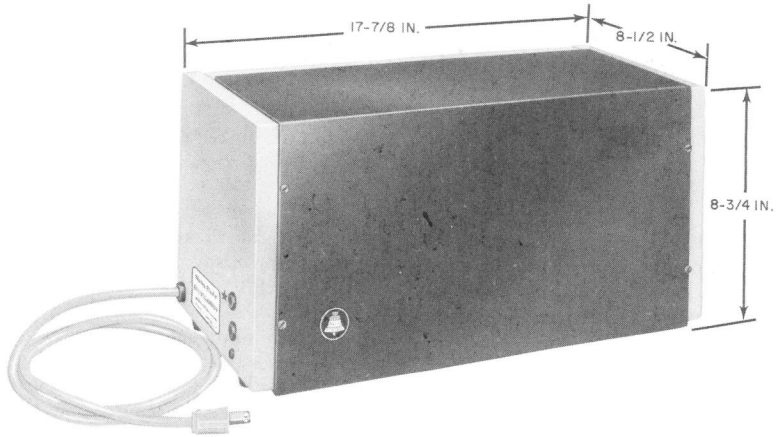


Fig. 1—KS-16765, Lists 1 and 2 Announcement Sets, Dimensions

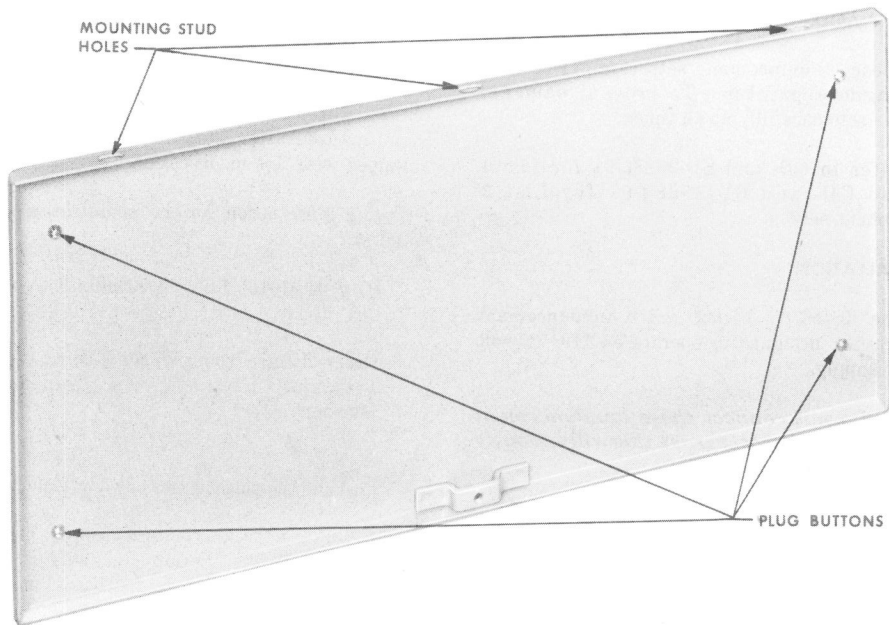


Fig. 2—KS-16765, Lists 1 and 2, Rear Cover

**Warning:** Remove power cord before performing any work on the power supply to prevent shock and damage to equipment.



*Before being placed in operation, the announcement set shall have been lubricated as specified. After being placed in service, the set should be lubricated every six months. Experience may prove that sets receiving severe use may need lubricating more often. Refer to Sections 514-210-100 and 034-354-701.*

## LOCATIONS

**2.08** The announcement set may be placed on a desk, table, or shelf or fastened to a wall. Since the List 1 set is remotely controlled, it need not be located adjacent to the telephone set which controls it.

**2.09** When wall installation is required, be sure wall is substantial enough to support 40 pounds, the weight of the announcement set. The 81-type backboard may be used when required.

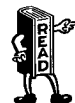


*Allow enough clearance under set to permit removing the three recorder mounting screws from the bottom of the set should it be necessary to replace the recorder. Leave enough slack in the wiring cable so that set may be dismantled without being disconnected.*

**2.10** Locate the set in accordance with customer wishes after considering the following:

- Set must be located within 6 feet of a customer-provided, 110/125-volt, 60-cycle ac outlet.
- Set must be installed in a reasonably level position.
- Avoid locations that are exposed to weather or extreme heat conditions.

## INSTALLING



*Do not connect announcement set to power supply until all installation work is completed.*

**2.11** Refer to the appropriate sections to install the telephone set, cable, drop wire, connecting block, and inside wiring used with a List 1 set (Fig. 3 and 4) and to install the inside wiring used with a List 2 set (Fig. 5 and 6).

**2.12** When List 1 announcement set and its associated key telephone set (or key unit) are located together, the mounting cord of the telephone set (or key unit) may be connected directly to the announcement set. To do this, remove and discard the large rubber grommet from the center entrance hole. Feed the mounting cord through the entrance hole and fasten cable stay hook with cable clamp screw. Discard the cable clamp.

## MOUNTING

**2.13** To mount either announcement set:

- (1) Remove front cover
  - Loosen four captive screws in front of cover (Fig. 1). Slide cover forward.
- (2) Remove rear cover
  - Turn slotted shaft counterclockwise with a screwdriver. This forces rear cover off.



*Before proceeding, make changes on TB2 if required. TB2 is located in rear of set and is not accessible after set is mounted.*

- (3) Remove the four plug buttons from announcement set rear cover (Fig. 2).
- (4) Mount rear cover to wall surface using four No. 14 screws or equivalent.
- (5) Hold set with top tipped slightly back. Insert the three mounting studs (Fig. 3 and 4) located on the underside of the top of the set into the three mounting stud holes in the top edge of the rear cover.



*Be sure mounting studs are securely seated before releasing set.*

- (6) Tighten slotted shaft by turning clockwise with a screwdriver. This locks set to rear cover.

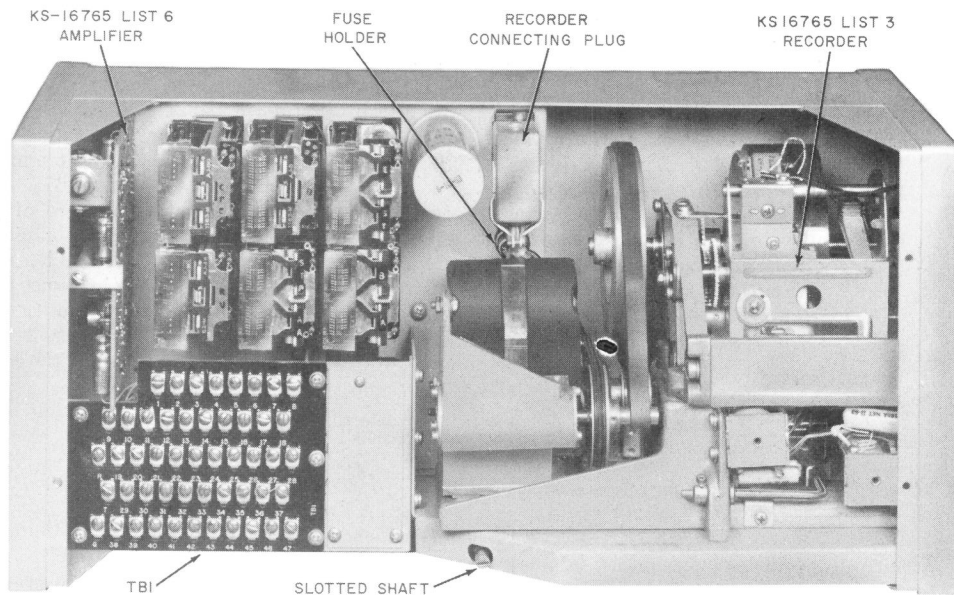


Fig. 3—KS-16765, List 1 Announcement Set, Front Cover Removed

#### SERVICING

2.14 To release bail shipping lock (Fig. 7):

- (1) Loosen the two mounting screws.
- (2) Move bail shipping lock to extreme position away from bail.
- (3) Tighten mounting screws.



*After tightening mounting screws, check to see that there is adequate clearance between the tab end of the bail shipping lock and the recording head mounting.*

2.15 To remove head lock spring (Fig. 7):

- (1) Remove head lock spring from screw head on magnetic head and place in notch of carriage bracket.



*Be sure head lock spring is securely in notch and does not rest on slide rod.*

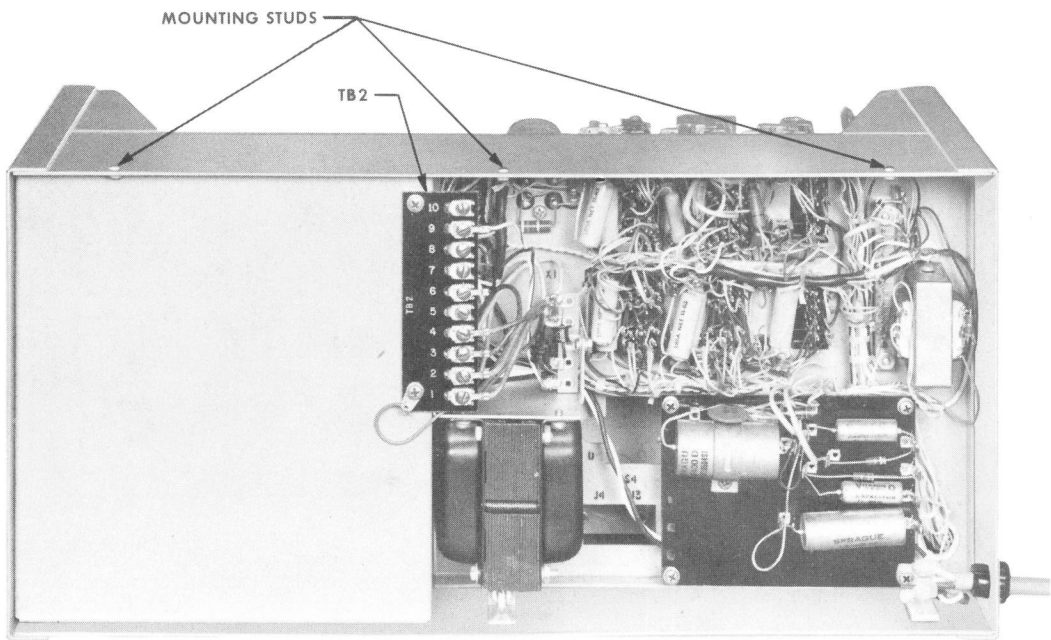


Fig. 4—KS-16765, List 1 Announcement Set, Rear Cover Removed

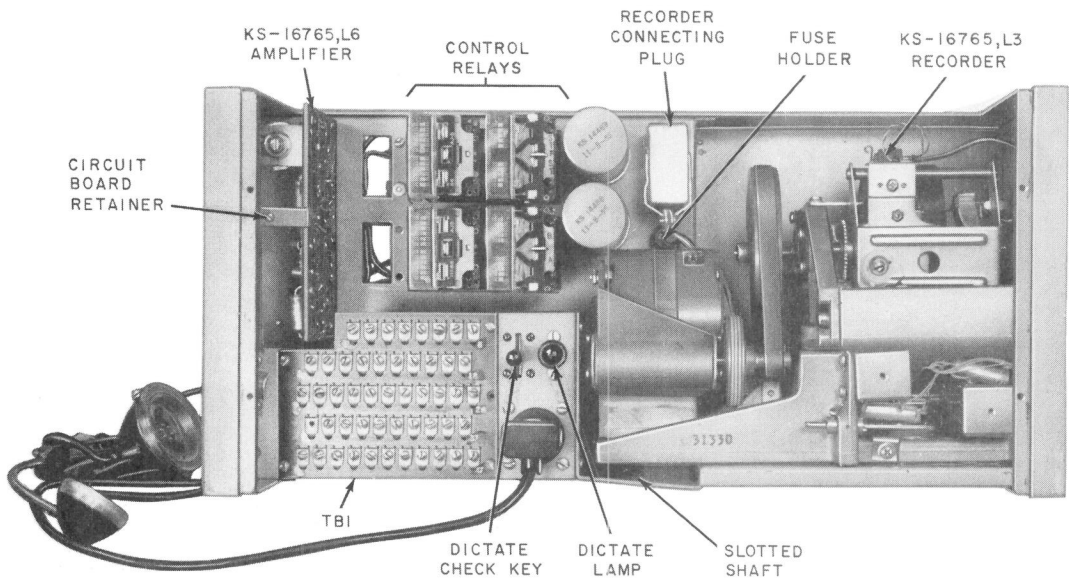


Fig. 5—KS-16765, List 2 Announcement Set, Front Cover Removed

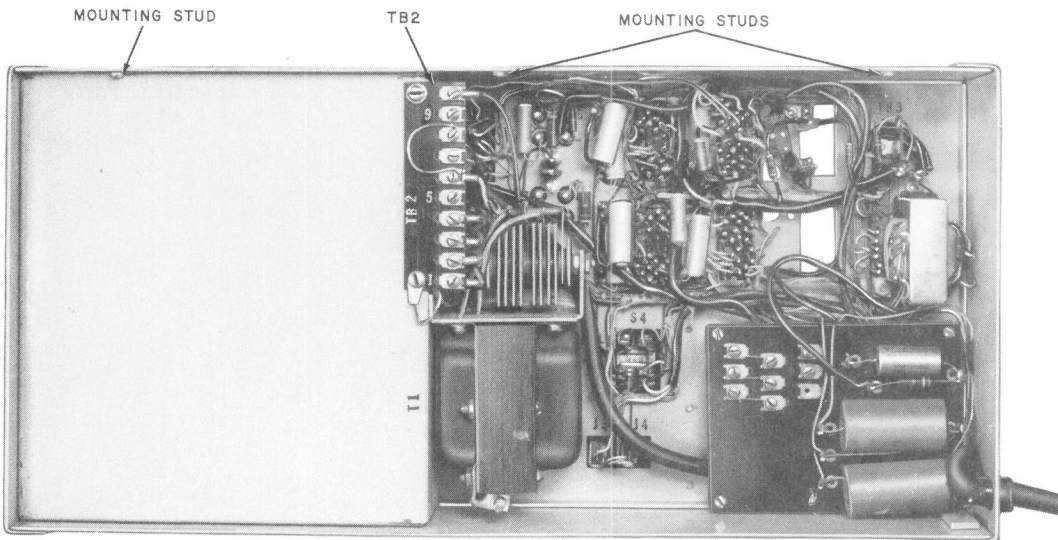


Fig. 6—KS-16765, List 2 Announcement Set, Rear Cover Removed

**2.16 Announcement length adjustment:** The announcement set is shipped with the announcement length adjusted for 30 seconds, however this adjustment may be set for any interval up to the maximum capacity by adjustment of the limit switch stop (Fig. 7). The seven marks on the limit switch stop may be used as guides for setting the maximum announcement recording interval.

MARK	2-MINUTE CAPACITY TIME IN SEC.	3-MINUTE CAPACITY TIME IN SEC.
	(B-650416 PULLEY)	(B-650417 PULLEY)
1	0	0
2	15	22-1/2
3	30	45
4	34	67-1/2
5	60	90
6	90	135
7	120	180

For intervals other than those shown, it will be necessary to estimate the setting between the two appropriate marks. The mark nearest the bent end of the stop (No. 1) represents 0 seconds. To change announcement record interval, proceed as follows:

- (1) Loosen socket head cap screw (Fig. 7).
- (2) Position limit-switch stop to desired setting; flush with left side of tube.
- (3) Tighten socket head cap screw.

### 3. CONNECTIONS

**3.01** Connections for the announcement set will vary with the system in which it is being used. Select the appropriate section from the following:

- (a) 100A Telephone Answering System (Section 473-675-201)

- (b) Group Alerting System (Section 480-310-400)
- (c) 8A Announcement System Using KS-16765, List 1 Announcement Set (Section 514-615-200)
- (d) 7A Announcement System Using KS-16765, List 2 Announcement Set (Section 951-116-100)
- (e) 2A Automatic Call Distributor (ACD) (Section 476-216-210)
- (f) 2B Automatic Call Distributor (ACD) (Section 476-270-203)
- (g) 3A Automatic Call Distributor (ACD) (Section 981-236-100)

**3.02** After completing connections for type of service required, insert power cord into ac outlet. Refer to appropriate section listed in 3.01 and test operation of announcement set.

**3.03** The set is now ready for operation. Replace announcement set cover and instruct the customer in the proper operation of set.

### 4. OPERATION

**4.01** The operation of the announcement sets will vary with the system in which they are used.

**4.02** Refer to SD-, CD-95286-01 and SD-, CD-95283-01 for Lists 1 and 2, respectively, for detailed operational information in a particular system. Sequence charts and functional sketches are included.

**4.03** Operating instructions for the particular system which either announcement set is used are covered in the SDs and CDs listed in Table A.

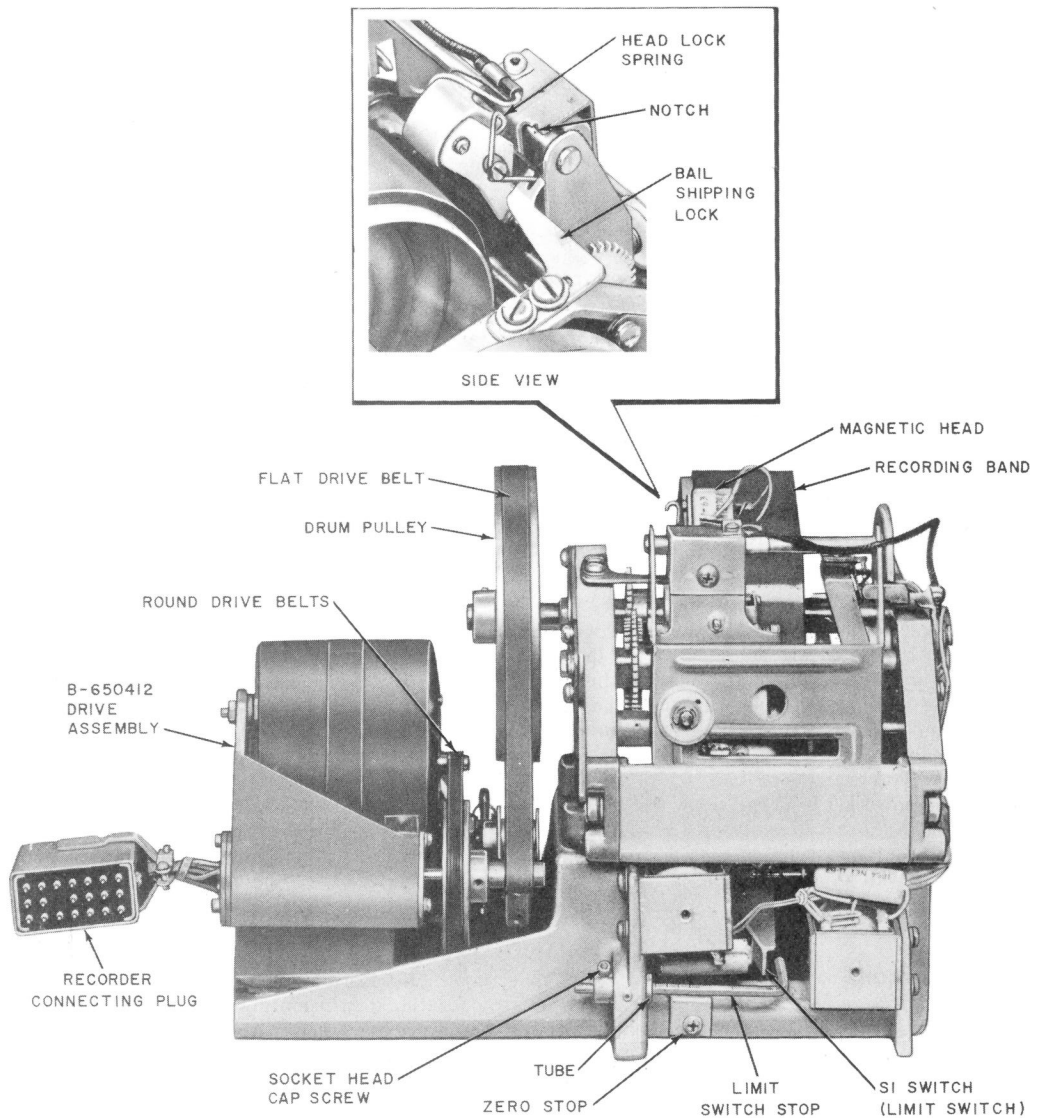


Fig. 7—KS-16765, List 3 Recorder



◆ TABLE A ◆

PLANT	TYPE OF OPERATION	APPLICABLE SD & CD
100A Telephone Answering System	Automatic Answer	SD & CD-95286-01
8A Announcement System Using KS-16765, List 1 Announcement Set or 2-Type Telephone Answer Set	Automatic Answer	SD & CD-95286-01 and SD & CD-95293-01
Group Alerting System	Automatic Announce	SD & CD-95286-01 and SD & CD-69385-01
7A Announcement System Using KS-16765, List 2 Announcement Set.	Automatic Answer	SD & CD-95283-01
2A Automatic Call Distributor (ACD)	Automatic Answer	SD & CD-95283-01
2B Automatic Call Distributor (ACD)	Automatic Answer	SD & CD-1E088-01
3A Automatic Call Distributor (ACD)	Automatic Answer	SD & CD-65979