

BELL SYSTEM PRACTICES
Station Installation and Maintenance

SECTION C31.102
Issue 1, Jan., 1956
AT&T Co Standard

SUBSCRIBER SETS

INSTALLATION

1. GENERAL

- 1.01 This section covers the installation of subsets.
- 1.02 For general planning of installations see Section C31.099, Planning Indoor Installations.

2. LOCATING

- 2.01 Subsets should be fastened securely to a substantial mounting surface.
- 2.02 Subsets should be accessible for inspection and repairs. There should be adequate clearance to permit covers to be opened or removed readily. Subsets with hinged covers require 2-3/4 inches on the hinge side for opening the cover. Where it is impracticable to obtain this clearance, remove the hinges and replace them in the reverse position. The locking screw will hold the cover in place. (See Fig. 1.)

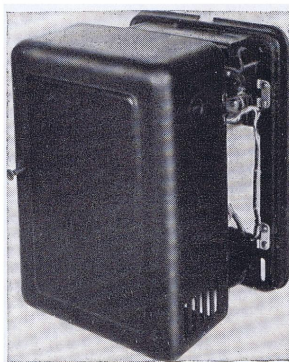


Fig. 1—534-type Subset Showing Hinges Reversed

2.03 Subsets equipped with 425B networks or closed induction coils (101-type with B- or C-type ringers) may be mounted side-by-side, or one above the other without causing crosstalk. Subsets equipped with other types of coils and ringers (open core) should be placed a minimum of 13 inches apart, measured center-to-center, to avoid crosstalk (see Fig. 2).

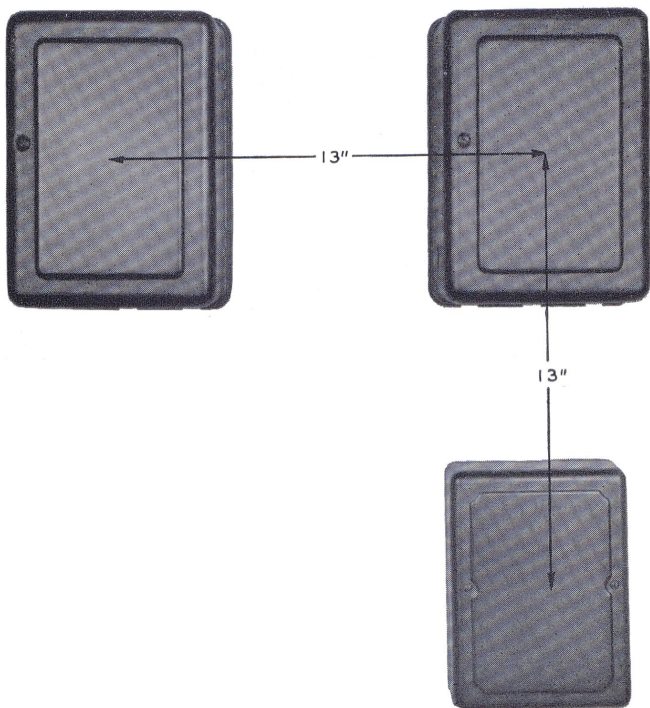


Fig. 2—Subset Separation to Prevent Cross Induction

2.04 Subsets should be installed on vertical surfaces with gongs down. An exception to this general rule occurs when subsets are installed under desks, tables, shelves, etc. in a horizontal plane.

2.05 Subsets with relays always should be mounted on a vertical surface such as a wall or desk panel.

2.06 Subsets may be installed on the left, right, or under side of tables or desks. Subsets also may be installed in the knee well of the desk, provided that they are not located where they will inconvenience the person sitting at the desk. (See Fig. 3.)

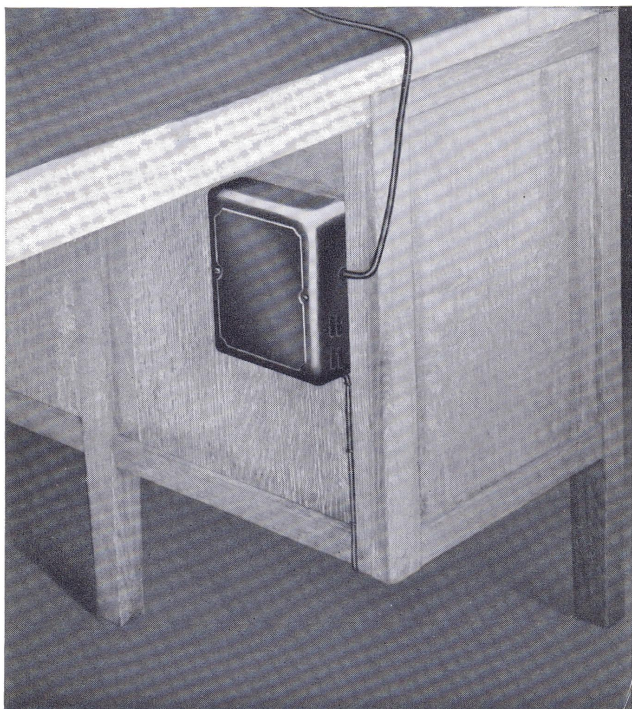


Fig. 3—684-type Subset Mounted on Desk

2.07 Backboards should not be used except in the following cases:

1. Where a secure mounting could not otherwise be obtained.
2. Where it is necessary to insulate special apparatus from metal mounting surfaces.

3. MOUNTING

3.01 Table A shows the type screws required to fasten subsets to various mounting surfaces.

TABLE A

Mounting Surface	Fasteners for Mounting					
	Sets with Bakelite Covers			Metal and Wooden Sets		
	No. Reqd	Size (inches)	Type Screws	No. Reqd	Size (inches)	Type Screws
Hardwood (including wooden backboards)	2*	3/4	#8 RH blue wood	2*	1-1/4	#8 RH blue wood
Softwood	4	1	#8 RH blue wood	4	1-1/2	#8 RH blue wood
Plaster on wood lath	4	1-1/2	#8 RH blue wood	4	2	#8 RH blue wood
Side of wood-paneled desk. (Place fastener in framing around panel). Hardwood desk	3	3/4	#8 RH blue wood	3	1-1/4	#8 RH blue wood
Softwood desk	3	1	#8 RH blue wood	3	1-1/2	#8 RH blue wood
Under wooden table Hardwood desk	3	3/4	#8 RH blue wood	3	1-1/4	#8 RH blue wood
Softwood desk	3	1	#8 RH blue wood	3	1-1/2	#8 RH blue wood
Metal back-board	3	1/4	#8-32 RH galvanized machine	3	5/8	#8-32 RH galvanized machine
Metal desks	2*	5/8	#8 RH self-tapping	2*	1	#8 RH self-tapping

* Where two fasteners are specified, place fasteners diagonally opposite each other with one fastener near cord entrance hole.