

ADCO 20-S AND 21-S SHELVES
DESCRIPTION, INSTALLATION, AND MAINTENANCE

1. GENERAL

1.01 This practice provides the description, installation, and maintenance of ADCO 20-S and 21-S coin telephone shelves and mounting stands manufactured by the Acoustics Development Corporation.

1.02 The ADCO 20-S and 21-S shelves are for single or multiple indoor coin telephone installations of 200, 1A or 2A type coin sets.

1.03 These shelves will usually be wall-mounted; however, leg stands are available for single or multiple installations, in-line or back-to-back.

1.04 A portable stand with or without casters, which accommodates four coin instruments, is available for special uses.

1.05 Illumination may be furnished by an interior fluorescent light fixture installed inside on the top of the shelf.

2. DESCRIPTION

2.01 These shelves are constructed of formed and welded steel with stainless steel trim. The exterior has a scratch resistant finish. The interior has a perforated stainless steel lining backed with a one inch fill of sound absorbing glass fiber. Overall dimensions are 27 inches wide, 34 inches high, 10-1/8 inches deep (17-1/8 inches at front corner). There are no common divider sections on multiple units, therefore, add 27 inches width for each unit.

2.02 The shelves are available in blue, green, coral or beige baked enamel, stainless steel or woodgrained plastic

laminated (Formica).

2.03 The ADCO 20-S shelf provides for mounting a coin telephone in the enclosed wing on the left side. (See Fig. 1)

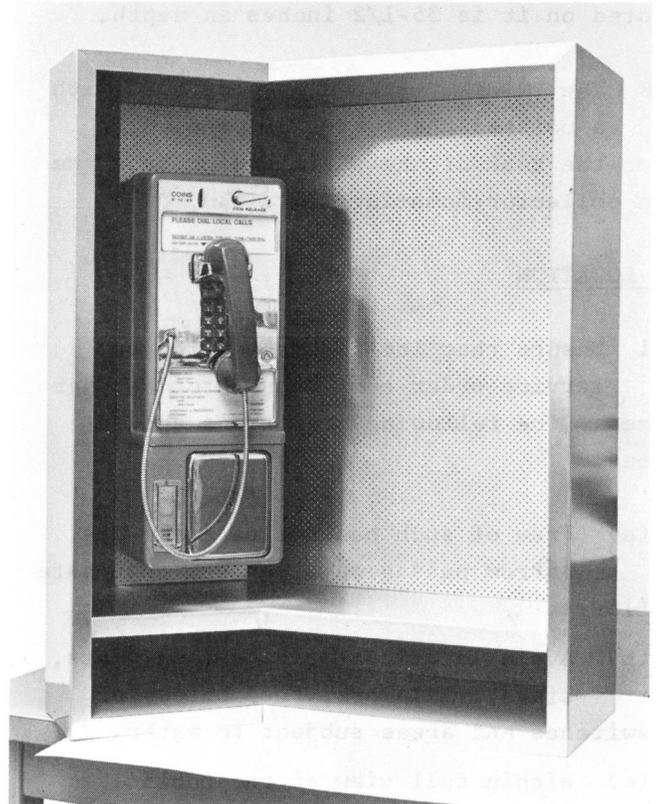


Fig. 1

2.04 The ADCO 21-S has the enclosed wing for the coin telephone on the right side.

2.05 A universal adapter is available to equip the shelf to receive the 2A type of coin panel telephone.

2.06 Shelves are shipped fully assembled. Leg stand units must be assembled on the job.

2.07 The ADCO "IN-LINE" and "BACK-TO-BACK" stands are constructed of welded tubular steel and are designed to mount the 20-S and 21-S coin telephone shelves. These stands are provided for use in locations where no suitable walls are available for mounting shelves. A single leg stand is 27 inches wide, 18-5/8 inches deep and 71 inches high. Add 27 inches to the width for each additional "IN-LINE" leg stand. The "BACK-TO-BACK" leg unit with two shelves mounted on it is 35-1/2 inches in depth.

2.08 The "IN-LINE" stands are equipped with a painted sheet steel backboard to cover the back of the shelf and protect the coin collector mounting details.

3. LOCATION

3.01 Ensure that location specified on service order corresponds to customer wishes. The following conditions should be met.

- (a) Free of such hazards as stairways, narrow passageways, uneven or unsafe floors.
- (b) Avoid locations near heating vents, sinks, radiators, fuse boxes, or switches and areas subject to water.
- (c) Within full view of the public.
- (d) Readily accessible to customers.
- (e) In a well lighted area.
- (f) Ensure that wall will provide a secure mounting for wall mounted shelves.

3.02 If suitable wall space cannot be found, use a leg stand unit to mount shelf.

3.03 Selection of a proper location is most important from a security viewpoint. The stand has been designed to prevent disassembly after the coin collector has been installed. However, it can be removed from the floor mounting brackets and carried out

in one piece. Preferred locations are those where the station is under surveillance by the proprietor when there is access to it; such as restaurants, theaters, stores, banks, etc.

3.04 The "IN-LINE" stands shall be located adjacent to a wall, column or barrier of some type which will restrict access to the rear of the stand. This is a safety precaution and must be followed because of the shallow depth of the stand compared to the height.

3.05 The "BACK-TO-BACK" stands shall be located so that people using the stations do not impede the normal flow of traffic or are themselves inconvenienced.

4. INSTALLATION

Wall Mounted Shelves

4.01 Remove the two screws from the top of shelf to free mounting bracket. (See Fig. 2) Place mounting bracket against wall with the bottom row of mounting slots centered 45-1/4 inches from the floor and mark locations for fasteners. (See Fig. 3)

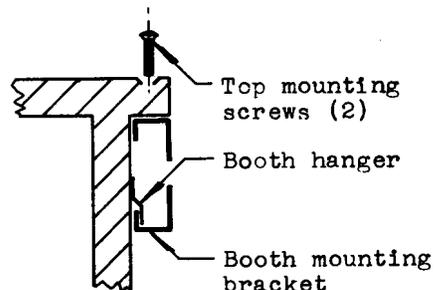


Fig. 2

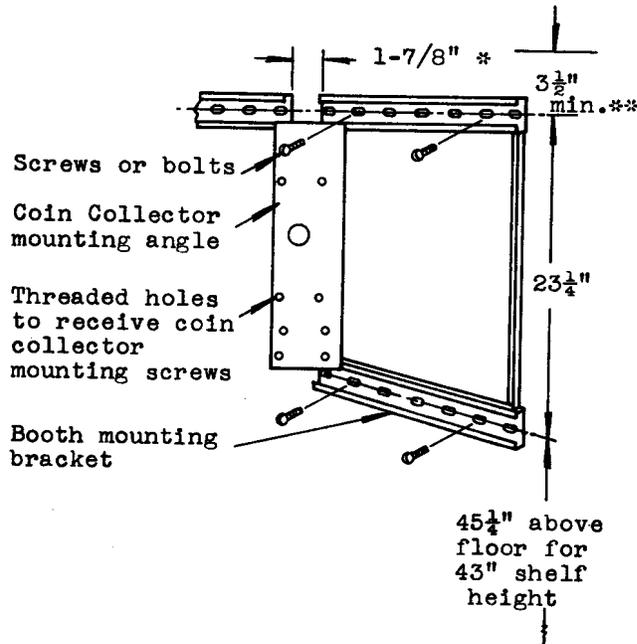


Fig. 3

4.02 A minimum of six fasteners should be used to anchor the mounting bracket securely. See Table A for type of fasteners to use.

TABLE A	
WALL SURFACE	FASTENER
Masonry (Concrete or Brick)	#16 D Plastic Anchor 1 1/2 inch No. 14 RH Wood Screw
Lath and Plaster (Plasterboard)	2 1/2 inch No. 14 RH Wood Screw (Fastener must be in stud)
Cinder Block and Hollow Tile	5/16 x 5 inch Toggle Bolt

4.03 Hang shelf on the mounting bracket making sure that top and bottom shelf hangers (2) engage the flanges of the mounting bracket. (See Fig. 2)

4.04 Secure the shelf to mounting bracket by replacing the two top mounting screws which were removed in Paragraph 4.01. (See Fig. 2)

4.05 Eight 1/4 - 20 x 2 inch FH machine screws are furnished with the shelf to fasten the coin telephone. Place screws through the coin telephone and shelf to the threaded wing plate of the mounting bracket. (See Fig. 4)

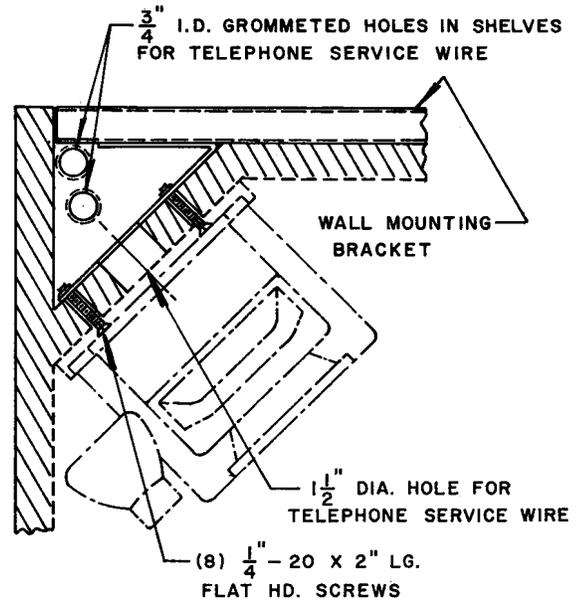


Fig. 4

4.06 Mount subset to bracket located on underside of shelf. Four hold down screws are provided for 685 subset.

4.07 When fluorescent light fixture is installed, follow instructions furnished with the fixture. The power cord shall be passed through grommeted hole in the shelf and cut to proper length to reach the outlet.

Stand Mounted Shelves

4.08 Instructions for assembly are packaged with the stand. Assemble and mount the stand to the floor before installing the

shelf. To locate fastener holes, place the stand in its final position and mark the floor around all four legs. If all legs are not in contact with the floor, it will be necessary to shim the stand under one leg. Place the stand to one side and draw diagonal lines through the squares marking the leg locations. Drill fastener holes at intersection of diagonals. Use the hardware in Table B with washers to mount the floor mounting angles. Place any required shims between the angle and the floor.

TABLE B		
Mounting Hardware		
Floor	Fasteners	
	No. Req'd.	Type
Wood	4	5/16 x 5 inch Toggle Bolt 5/16 x 3 inch lag bolt
Concrete	4 and 4	3/8 x 2½ inch Hex Head Machine Bolt 3/8" Expansion Shields (Star Loxin)

5. ELECTRICAL WIRING

5.01 On shelves equipped with lights, observe the following for safety.

Under no circumstances shall any makeshift or temporary electric connection be made on lighting equipment.

Before making any repairs or replacement in electrical equipment, operate the electric switch and make sure the circuit is dead. Check, using an electric wire tester or approved device.

Wear eye protection when handling fluorescent lamps.

6. MAINTENANCE

6.01 Normal maintenance of ADCO 20-S and 21-S shelves will require cleaning with mild soap and water.

6.02 Field replacement will be restricted to the chrome edging trim set. (See

ordering information.) If any other shelf components are damaged, the entire unit should be replaced.

7. ORDERING INFORMATION

7.01 ADCO 20 type shelves and stands may be ordered from Western Electric Company as follows:

(Quantity) Shelf ADCO 20-S (Specify color) - for coin telephone on left

(Quantity) Shelf ADCO 21-S (Specify color) - for coin telephone on right

(Quantity) Shelf ADCO 20-SS (or 21-SS) Stainless steel exterior

(Quantity) Shelf ADCO 20-SPL (or 21-SPL) Woodgrain plastic laminate (Formica)

In-Line Stands

(Quantity) Standleg ADCO SFIL-1-20 For mounting one 20 or 21 type shelf

(Quantity) Stand, leg ADCO SFIL-2-20 For mounting two 20 or 21 type shelves

(Quantity) Stand, leg ADCO SFIL-3-20 For mounting three 20 or 21 type shelves

Back-to-Back Stands

(Quantity) Stand, leg ADCO SFBB-2-20 For mounting two 20 or 21 type shelves

(Quantity) Stand, leg ADCO SFBB-4-20 For mounting four 20 or 21 type shelves

(Quantity) Stand, leg ADCO SFBB-6-20 For mounting six 20 or 21 type shelves

(Quantity) Adapter, ADCO, AB235-20/21 U - Universal adapter for 235 or 2A type coin telephones

(Quantity) Stand, portable, ADCO - SIP-4-20 For four coin telephones

(Quantity) Light, fluorescent - ADCO - ILFS-20

(Quantity) Set, Trim (chrome edging), ADCO - Drawing No. 124-105-1 Item 1