

BELL SYSTEM PRACTICES
Station Installation and Maintenance

SECTION C64.411
Issue 2, 9-30-41
AT&T Co Standard

TELEPHONE BOOTHS
1, 2, 5, 6 AND 7 TYPES
INSTALLATION AND MAINTENANCE
(Reference Section for C44.111 and C44.121)

1. LOCATING

1.01 Locate booths as specified on service order and in general where booth is easily accessible, light conditions are most favorable and floor is in good condition. Minimum clearances between a counter or other fixture and the front of a booth are:

Location of Counter or Fixture	Clearance
End of Counter in Front of Booth	18"
Public Side of Counter Parallel to Front of Booth	36"

1.02 The approach to booth shall be free from hazards, such as staircase leading down, trapdoor, etc., and the booth shall not be exposed to the action of the elements or to probable damage due to proximity to radiators, steam pipes, registers, flushing traps, etc.

1.03 Booths shall be set level and shall not rock. The fronts and tops of booths in a bank shall be in a straight line and the sides of both units shall make contact with the separators or end panels along their entire height. Gaps of 1/4 inch or more between booth and building floor shall be sealed with strips of wood stained to match finish of booths.

2. LIGHTING EQUIPMENT

2.01 Where telephones in booths are intended for dial operation, booths shall be equipped with electric lights.

2.02 One of the following devices shall be used on the electric service wires supplying lighting current to a booth or bank of booths. (a) A receptacle and plug. (b) A plug fuse cutout. (c) A booth cutout switch.

2.03 Make connection at lamp receptacle as shown in Figs. 1 and 2.

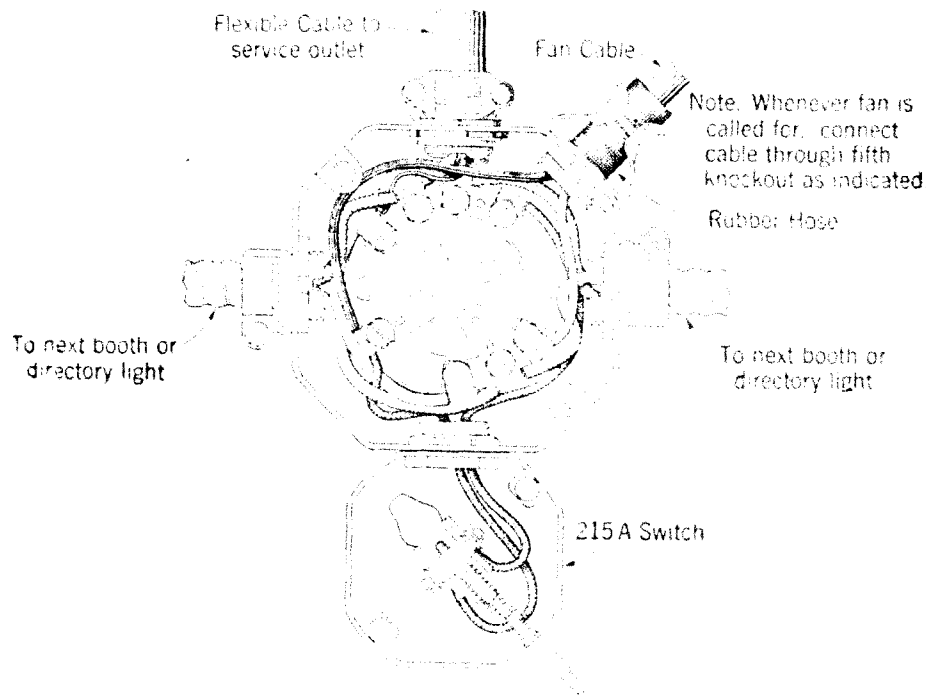
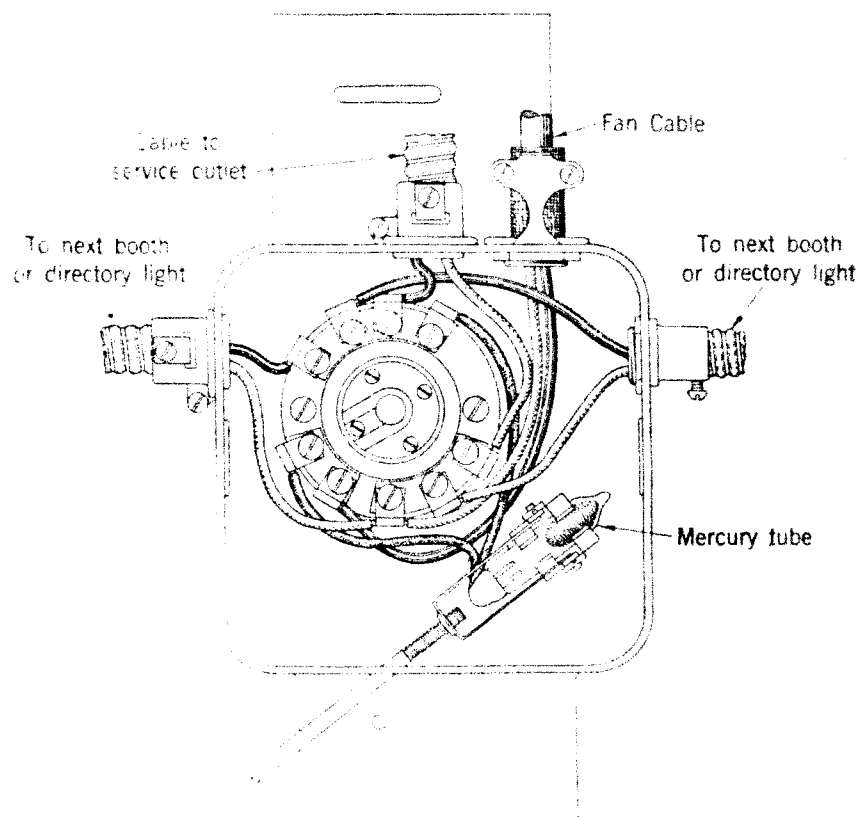
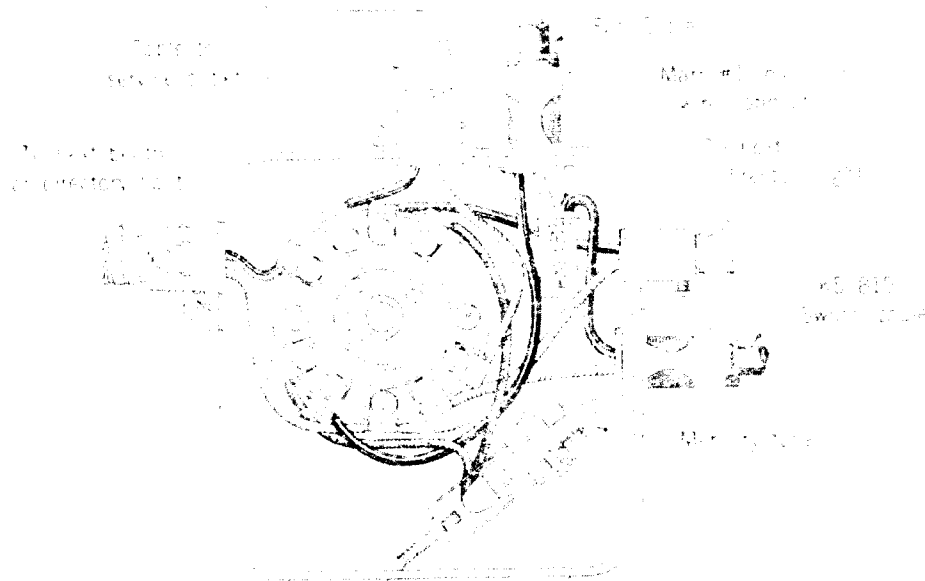


Fig. 1—1 Type Fixture—For Four Cables



**Fig. 2—3A Fixture—For Four Cables
(Looking Upward from Within the Booth)**



**Fig. 3—3B Fixture—For Five Cables
(Looking Upward from Within the Booth)**

2.04 All work in connection with the extension of electric service wires to a plug receptacle or to the plug fuse cutout or booth cutout switch must be done in accordance with the rules and regulations of the "National Electric Code" and any supplemental local rules and regulations. This work will be arranged for by the customer or building electrician.

3. CONVERSION, ADDITIONS AND CHANGES

3.01 Locations and fasteners for booth parts follow:

Booth Part or Fixture	Location	Fasteners
167-A Backboard	Rear right corner with top of backboard 63" from floor (without seat) and 52-1/2" from floor (with seat)	6--2" x 3/16"--24 step bolts. Step bolts require P-210690 3/16" No. 24 hex. nuts ←
KS-6486 Card Frame	Right side of booth with bottom of card frame 6-1/4" from rear of booth and 63" from floor (without seat) and 54" from floor (with seat)	4--3/4" No. 8 F.H. bright wood screws
Booth Cutout Switch or Plug Fuse Cutout	Top of booth ceiling	2--1/2" No. 8 R.H. Blued Wood Screws
2B, 2C, or 2D Light Fixture	Centered on right or left end panel with bottom of fixture 4' 10-5/8" from floor line. See Fig. 6	2--5/8" No. 8 R.H. Brass Wood Screws
KS-5474 Fan	Ceiling of booth over coin collector. See Fig. 7	Bolts and Fittings furnished with fan
KS-8164 Fan	Ceiling of booth over coin collector. See Fig. 8	Bolts and Fittings furnished with fan ←
101T Seat	Left rear corner of booth with top of seat 20" from floor	7--1-1/4" No. 14 R.H. Blued Wood Screws. 4--1/4" -- 20 x 1-1/4" hex. head cap screws and steel tee nuts ←
18A Shelf	Right rear corner of booth with top of shelf 43" from floor (without seat) and 32-1/2" from floor (with seat)	4--3/4" No. 8 R.H. Blued Wood Screws ←
16A Shelf	Right rear corner of booth with shelf sloping backward at 5° angle. Top of shelf 71-3/4" from floor (without seat) 62-3/4" from floor (with seat)	4--3/4" No. 8 R.H. Blued Wood Screws ←
204A Switch	Booth ceiling. See Fig. 4	2--1/2" No. 8 R.H. Blued Wood Screws

3.02 Where lining of booth shows outline of old location when coin collector, seat, card frame, shelf, etc., are removed or changed in location, clean or repaint lining as required.

3.03 Exposed screw holes and wiring holes shall be plugged respectively with plastic wood and 42B apparatus blanks finished to match lining of booth.

3.04 Dimensions for locating 204A Switch on booth ceiling are shown in Fig. 4.

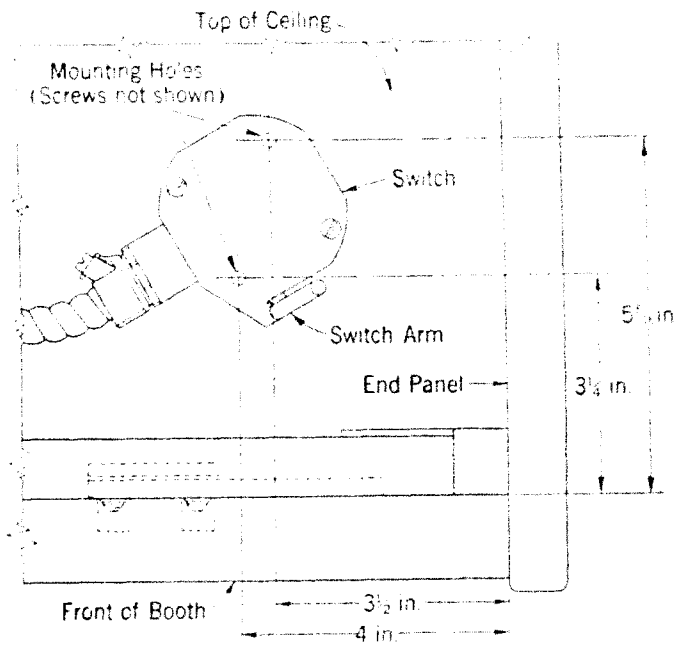
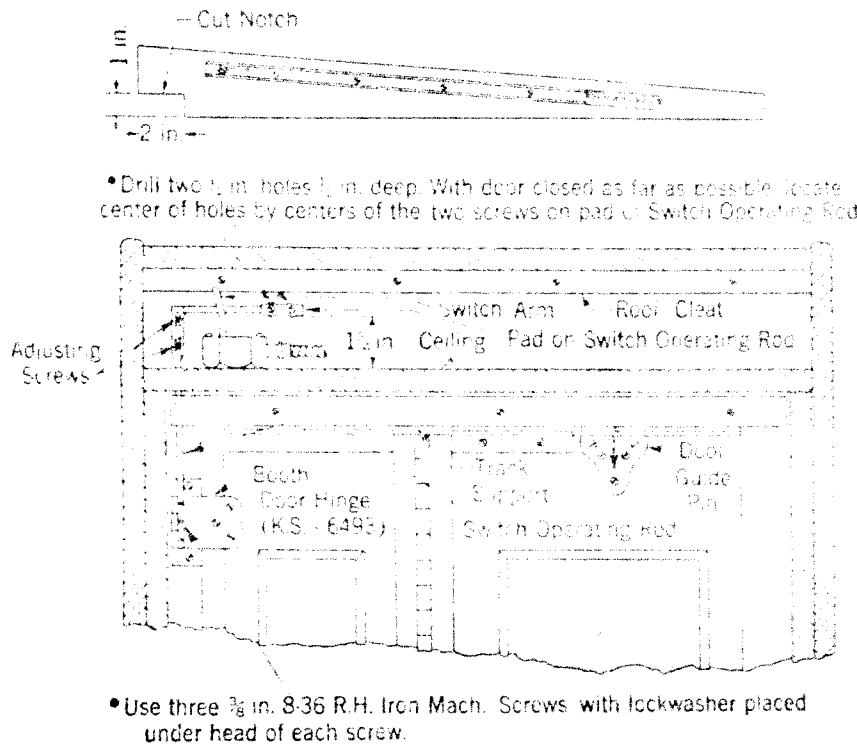


Fig. 4

3.05 Where ceiling of 1 and 2 type booths is not provided with 7-1/4 inch by 7-1/4 inch opening for light fixture, the required dimensions for modifying track support and for mounting new booth door hinge (KS-6493) before installing new ceiling assembly are indicated in Fig. 5.



*Where new ceiling is equipped with 215A Switch, attach pivot rod to door hinge (KS-6493) with two 1/4" 8-36 R.H. Iron Mach. Screws. Drilling of 1/2" holes not required.

Fig. 5

3.06 Where booth roof of these booths is not provided with holes or slots for ventilation, six 1-1/4 inch holes shall be drilled in the board nearest center of roof with centers of holes spaced approximately the same.

3.07 Dimensions for locating 2B, 2C or 2D light fixture on end panel and for mounting KS-5474 or KS-8164 fan bases on booth ceilings are shown in Figs. 6, 7 and 8.

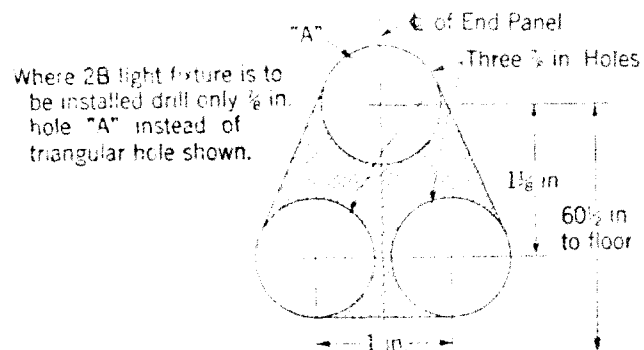


Fig. 6

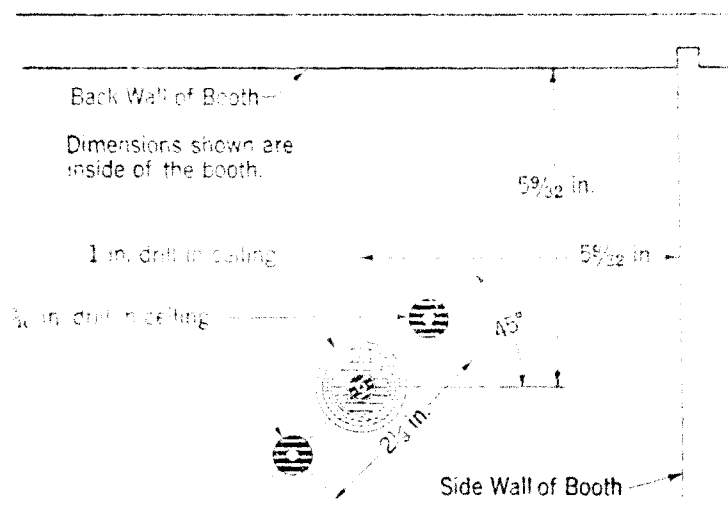


Fig. 7

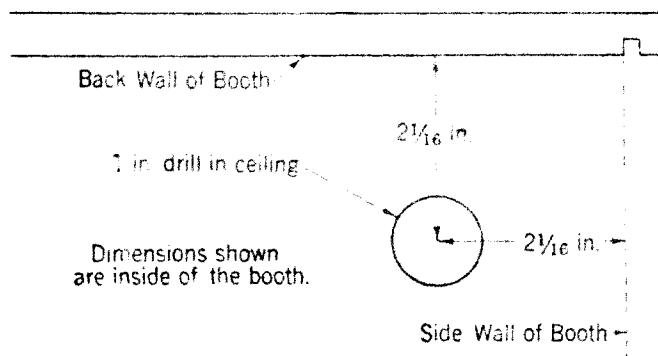


Fig. 8

4. REQUIREMENTS

4.01 Metal lining of booth, face plate of light fixture and switch operating rod shall be free from grounds. Check switch operating rod when door is open so that rod is in contact with switch arm.

4.02 Door shall fit properly and operate freely.

4.03 The switch operating rod shall not come within 1/4 inch of overriding the switch arm when door is opened to extreme position and the metal pad on the rod shall ride on the arm for all positions during the entire travel of the arm. When door is closed and then opened approximately 13 inches the switch shall operate, extinguishing light.

4.04 Where required booth door track shall be lubricated with a "Door Ease Pencil," a "Dixon's No. 711 Graphite Stick (less wax)" or the equivalent. ←

4.05 Bearings of fan motors shall be lubricated every six months with 3 drops of KS-6232 oil.

4.06 Commutator brushes of d-c fans which are less than 3/16 inch long shall be replaced.

4.07 Where swivel chair of 7 type booths squeaks or binds, the shaft shall be cleaned and then lubricated with 2 drops of KS-6232 oil.