

COIN COLLECTORS

MULTI-SLOT TYPES - INSTALLATION

(Reference Section for C42.111)

1. LOCATION OF COIN COLLECTORS

1.01 The location for a coin collector should be satisfactory to the subscriber and in general it should be placed where it will be readily accessible to patrons, where there is sufficient light for reading instructions, dialing, etc.; where users and workmen will not be subject to injury or inconvenience, where the coin collector will not be subject to damage or unduly exposed to robbery and where noise and vibration will not interfere with telephone conversations.

2. MOUNTING OF COIN COLLECTORS

2.01 Figure 1 shows proper height for mounting coin collectors.

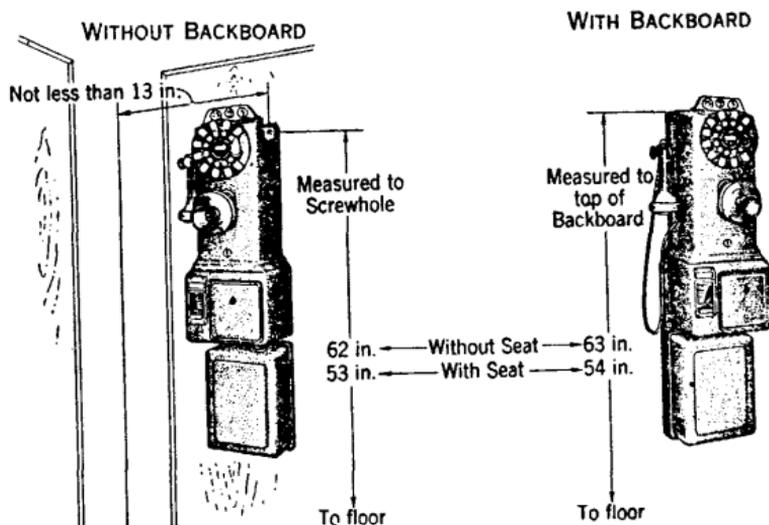


Fig. 1.

2.02 Coin collectors must be securely mounted to prevent unauthorized removal. When mounting on finely finished surfaces such as marble walls and counters, consent of owner or authorized representative shall be obtained in writing.

2.03 Backboards shall be used for mounting coin collectors in all cases except in metal booths which are designed to permit mounting without a backboard and on smooth vertical solid wooden surfaces 7/8" or more in thickness.

2.04 The backboards for mounting coin collectors are as follows: 139A for horizontal surfaces, 144C for vertical surfaces, 153A for corner of telephone booth and D-96283 (steel) for specific locations outlined in Par. 2.05.

2.05 D-96283 (steel) backboards shall be used at the following locations:

(a) Hallways of apartment houses.

(b) At semi-public locations in connection with replacements of coin collectors as a result of robbery.

(c) Other locations specified by the Commercial Department on the service order.

2.06 The fasteners for mounting coin collectors are as follows:

Surface	Fasteners
Soft wood	1-3/4" No. 14 FH Bright Wood Screws
Hard wood and Wooden Backboards	1-1/4" No. 14 FH Bright Wood Screws
139A Backboard	3/4" No. 10 — 32 Machine Screws
153A Backboard	3/4" x 1/4" — 20 Machine Screws
D-96283 Backboard	5/8" x 3/8" FH Machine Screws

2.07 When the holes in the coin compartment of the coin collector do not exactly register with the holes in the 153A backboard, use a 1/4" — 20 tap in an extension tap wrench in the holes so that the screws may be placed. If either or both of the two upper holes are so far off center that the tap

cannot be used, the screws in these holes may be omitted. In no case shall less than two screws be placed. If the coin compartment is open place four screws in the coin compartment and two in the top holes in the coin collector back. If the coin compartment is closed, place four screws in the coin collector back except in case of D-96283 collectors where only one fastener is required in the top part of the coin collector back. The four screws needed in the coin compartment will be added later by the collector.

2.08 The fastening devices for use in mounting coin collector backboards are as follows:

Backboard	Surface	Fasteners
139A	Hard Wood	4—1-1/4" No.14 FH Bright Wood Screws
	Soft Wood	4—1-3/4" No.14 FH Bright Wood Screws
	Masonry or Marble	4—1-1/2" x 1/4" — 20 FH Bright Machine Screws in 1/4" machine screw anchors
144C	Wood 7/8" or more	6—1-3/4" No.14 FH Bright Wood Screws
	Wood 7/8" or more in thickness covered by a wall finishing material	6—No.14 FH Bright Wood Screws length 1-3/4" plus thickness of wall finishing material. When center holes of backboard are used, use screws 2-1/4" plus thickness of wall finishing material and fasten to stud
	Plaster Block and weak wall structures	Two backboards on opposite sides of wall bolted through with 6—1/4" x 8" step bolts in outer holes of backboards
	Hollow Tile, metal lath, Glazed Tile, etc., on Metal Framework	6—1/4" x 4" RH or BH toggle bolts in outer holes of backboard. Use center holes and fasten to stud where wood framework is present
	Shanties, metal wall oil filling stations, etc.	Like plaster block or use 6—1-3/4" x 1/4"— 20 step bolts, 1/4"— 20 hex. nuts under coin collector

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Backboard	Surface	Fasteners
	Wood 3/4" or less	1-3/4" x 1/4" — 20 step bolts
	Unfinished masonry	6-5/16" x 2-1/4" Hammer Drive Anchors
	Masonry finished with Plaster, marble, tile, furring, etc.	6-5/16" x 2-3/4" Hammer Drive Anchors. Anchors must extend into masonry at least 1"
D-96283	Same as 144C	Use same fasteners as for 144C but 1/2" shorter. 6 absolutely secure otherwise 9 or 10

3. WIRING PREPAYMENT COIN COLLECTORS

3.01 Conceal wiring near coin collector. If this is not practical consider covering wiring with an approved molding or conduit. If molding or other permanent protection is not necessary, tape wires with friction tape.

3.02 A separate signaling ground is required between each coin collector and the connecting block, protector or cable terminal.

3.03 From connecting block to ground the following wire capacities apply for signaling ground wires:

Wire	No. of Coin Collectors
Single inside wire	6 or less
Cable pair	6 or less
No. 14 ground wire	any one group

Note: For selection of coin collector grounds, the installation of ground connecting devices and the termination of ground wires at such devices, be guided by instructions given in Section C24.901.

3.04 Locate connecting blocks on top of ceiling of wooden booths or install in building cable terminal at a location not readily accessible to persons using the coin collectors. At small oil filling stations, contractor shanties, etc., place protector outside in protector mounting.

3.05 Where booths are equipped with individual three post connecting blocks run triple wire from these blocks.

to cable terminal box, protector or intermediate 30 type block.

3.06 Always run signaling ground into coin collector and tip and ring into subscriber set.

4. STEEL LOWER HOUSINGS

4.01 Steel lower housings shall be used when so specified on the service order or when substituting instruments equipped with steel lower housings.

5. IBXA CARD HOLDER

5.01 Install on dial coin collector upper housings. Do not use IBXA Card Holder on hand set type coin collector.

6. TESTS

6.01 Make tests as covered in other sections in Div. C60.

7. OUT-OF-SERVICE SIGNS

7.01 Place out-of-service sign on any coin collector that is out of order or is not ready for service.