

## COIN COLLECTORS/COIN TELEPHONES INSTALLATION

### 1. GENERAL

1.01 This section is reissued to:

- Delete information on 2-coil relay.
- Delete information on fasteners.
- Revise illustrations.
- Revise text.

Since this reissue covers a general revision, arrows ordinarily used to indicate changes have been omitted.

1.02 Connections for each type coin station are given in the appropriate connection section.

### LOCATION

*Note:* The location of a coin collector should be specified by the service order or an accompanying work sheet. If a location is not specified, obtain instructions from the customer before proceeding.

1.03 Consider the following:

- Visibility, accessibility, and convenience to customers
- Sufficient light
- Privacy
- Absence of noise and vibration
- Clearance from oily or dirty surfaces
- Clearance from stoves and heaters
- Clearance from moving machinery, piled merchandise, or narrow aisles

1.04 Locations over or adjacent to glass counters, showcases, or other property which may be damaged by falling handsets should be avoided.

### *Mounting Surfaces*

1.05 Consult a supervisor before locating coin stations on finishes that would be expensive to repair if the set is removed.

1.06 Have customer or building owner drill mounting and wire entrance holes through glazed tile, marble, or similar surfaces.

### *Inductive Effects*

1.07 Locate set and associated wiring at least 6 inches from neon fixtures, transformers, or other interference-causing equipment.

### *Security of Coin Station*

1.08 Avoid locations where:

- Coin station can be dislodged by hard use.
- Fasteners cannot be placed in solid backing.
- Coin station can be pried loose (on round columns, door or window facings, uneven surfaces, etc.).

### *Booths, Shelves, and Mountings*

1.09 Location requirements for booths, shelves and mountings are shown in the appropriate installation section.

### WIRING

1.10 Select and place wire in accordance with section covering wiring.

1.11 Wire coin station with triple station wire to provide an individual ground conductor for each station.

## SECTION 506-110-200

- The ground connection must be the same as for signaling grounds. (Refer to Section 638-210-100.)

**1.12** Conceal wiring near coin station. If this is not practical, use approved molding or woven conduit to cover wiring.

**1.13** Locate connecting block, protector or other terminating apparatus where it is not accessible to person using coin station. If necessary, locate protector outside building.

### BACKBOARDS

**1.14** See Section 506-110-105 for installation of backboards.



**Mount all coin stations on an approved backboard.**

**1.15** Backboard and coin station must be securely mounted with the required fasteners, mounting screws, security studs, and associated fasteners.

**Note:** If the coin station is wall mounted (not in a booth) the mounting surface must be plane. An uneven mounting surface will warp the backplate and cause misalignment between upper and lower housing.

## 2. INSTALLATION



**Remove handset from switch hook before removing or replacing upper housing to avoid damage to the gate operating arm. Do not reassemble upper housing on prepay coin collectors without placing a P-10E783 cover over the coin relay.**

### Alarm Switches and Security Devices

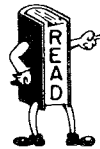
**2.01** Alarm switches and security devices are available as described in Section 506-110-103. The local telephone company shall regulate the installation of these devices.

**2.02** The 233-, 234-, 1234-type coin collectors and 236-type coin telephones are equipped with the KS-19277 lock and P-25E301 bolt fastener (Fig. 1).

(a) If the P-25E302 bolt fastener is required, order separately and substitute for the P-25E301 fastener prior to mounting coin collector.

(b) If it is necessary to replace P-25E301 bolt fastener with P-25E302 bolt fastener, proceed as follows:

(1) Unlock upper housing locks.

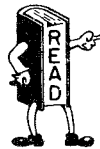


**To prevent damage to the tubular key when locking or unlocking KS-19277 lock, apply a slight forward pressure on the key while rotating it in either direction.**

(2) Remove upper housing.

(3) Unscrew P-25E301 bolt fastener from the security stud hole and replace with P-25E302 bolt fastener.

**Note:** If molded plastic insulating material is on existing bolt fastener, remove all of this material before attempting to unscrew the bolt fastener from the security stud hole.



**The fasteners must be screwed down tightly against the backplate when mounting coin collectors equipped with a bolt or stud fastener or when changing from one type to another.**

(4) Replace upper housing.

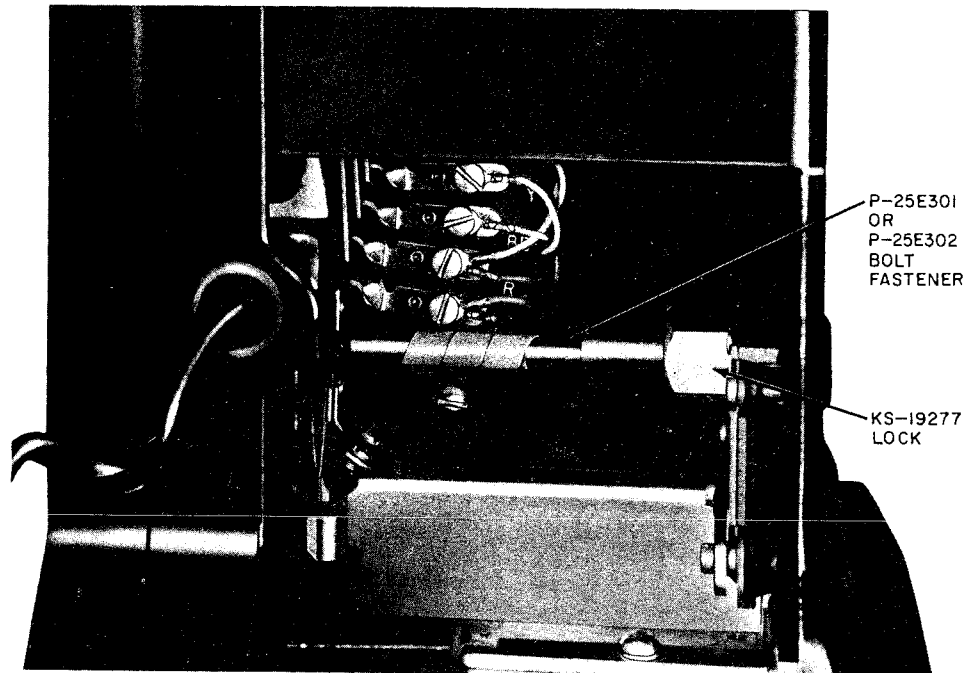
(c) For installation of bolt and stud fasteners on a coin collector in use, see Section 506-110-103.

**2.03** Fig. 2 shows the suggested mounting height and clearance for all coin stations. Stations may be mounted at other heights to meet local conditions providing this does not create service or maintenance problems.

**2.04** To mount coin station:

(1) Place required number of screw fasteners in upper and lower mounting holes.

**Note:** If coin compartment is not open, the lower fasteners will be added later by the public telephone representative.



**Fig. 1—Cutaway Section of Upper Housing, KS-19277 Lock and Associated Parts, Completely Installed**

- (2) Bring wires through opening in backplate.
  - (3) Avoid bowing backplate by partially tightening each screw fastener alternately.
- 2.05** Location requirements for associated subscriber sets are specified in sections covering installation of station sets, booths, shelves, and mountings.
- 2.06** Ground housing assembly, as follows:
- (a) Prepay open type installation
    - Connect JKT lead or GS insulated wire as shown in Fig. 3.
    - Dress wire so that it will not interfere with moving parts of coin mechanism or coin relay shield.
  - (b) Indoor wooden booths
    - A 14-gauge insulated ground wire (P-12C414 ground wire assembly) is provided. (Fig. 4)
  - (c) Metal booths
    - Grounding is provided through mounting screws.
  - (d) 19-and 20-type shelves
    - See (a)
- 2.07** To ground upper housing to backplate:
- Place U-shaped spring clip on left edge of upper housing so as to contact housing contact spring (Fig. 5).
- 2.08** To mount 8-type cardholder.
- (1) Remove and retain the four slotless screws located at the rear of the coin gauge.

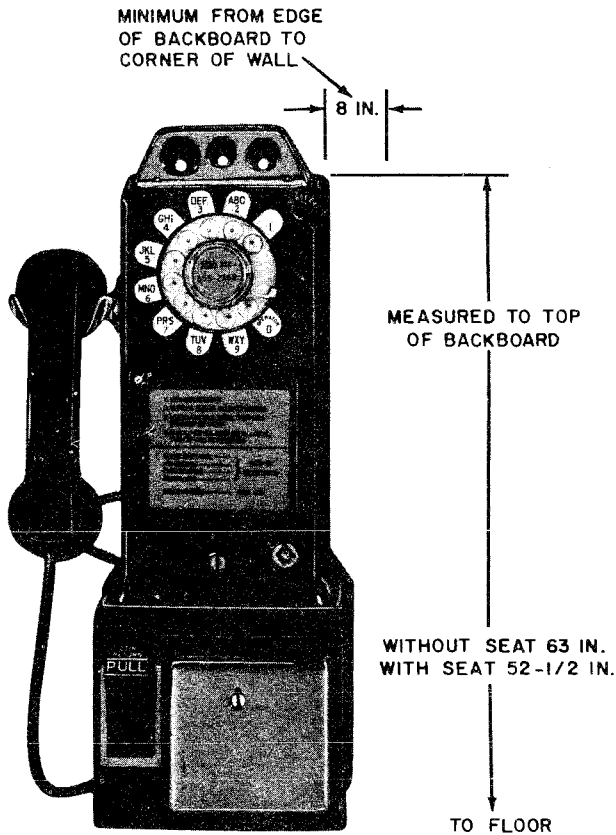


Fig. 2—Suggested Mounting Height and Clearance

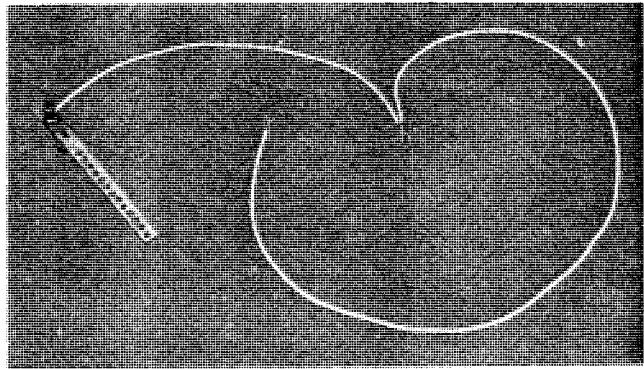


Fig. 4—P-12C414 Ground Wire Assembly

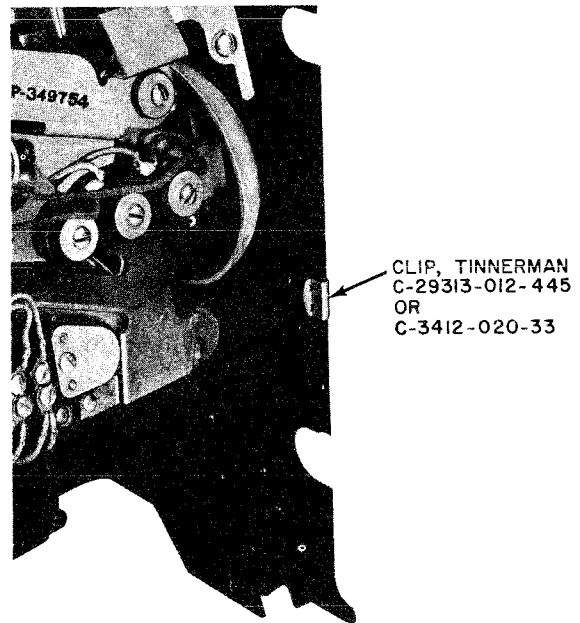


Fig. 5—Method of Grounding Upper Housing to Backplate

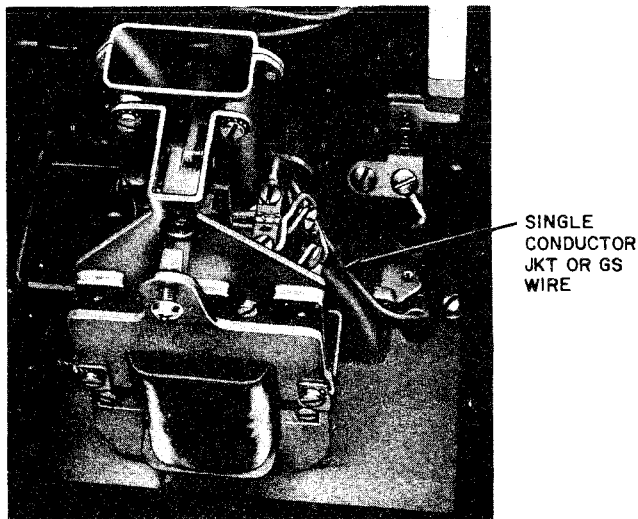


Fig. 3—Method of Grounding Coin Collector Housing Assembly, Open Type Installation

(2) Attach cardholder to upper housing with screws and nuts removed previously or use the following new hardware;

- P-81J700 RH slotless machine screws (last two digits signify color)
- P-423631 external-tooth lockwashers
- P-92383 hexagon nuts

**2.09** The 50-type apparatus blank may be used as an instruction cardholder.

- (a) Two plugged mounting holes are located below the dial in the upper housing.
- (b) use two P-222882, No. 4-36 by 1/4 inch RH machine screws to mount blank.

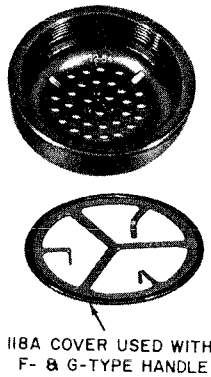
**AUXILIARY HANDSET DEVICES**

**2.10** Transmitter and Receiver Cap Locks

- Install cap locks per Section 501-210-101.
- Refer to Section 501-210-102 for cemented receiver caps.

**2.11** Antifrost Transmitter Cover

- (a) The 118A cover is intended for use on F- and G-type handsets where subfreezing temperatures occur (Fig. 6).



118A COVER USED WITH F- & G-TYPE HANDLE

**Fig. 6—118A Transmitter Cover**

- Mounts on transmitter cap exterior to prevent condensed grid moisture from freezing in grid holes of cap.

- Use as designated locally.

**2.12** Antifraud Transmitter Unit

- Install per Section 501-230-100.

**2.13** Handsets With Armored Cords

- Install per Section 506-110-103.

**OUT-OF-SERVICE NOTICES**

- (a) If coin station is not ready for service when installation work is completed, place KS-7991 sign (Fig. 7) or E-4914 Form (Fig. 8) on coin gauge so customers will not deposit coins.



**Fig. 7—KS-7991 Sign in Place Over Coin Gauge**



**Fig. 8—Form E-4914**

- (b) A book of E-4914 Forms is included in the packing container of each new coin collector/telephone.



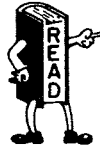
*When coin station is placed in service, leave book of E-4914 Forms with agent and give instructions for use when coin station is out of service.*

- (c) The KS-7991 sign is not included and must be ordered separately.
- Mounts by means of a No 8-32 by 3/4 inch RH machine screw and a self retained speed nut, Tinnerman C-6724-832-373 (Fig. 7 and 9).



Fig. 9—Rear View of KS-7991 Sign

#### RELAY COVER



*On 230-, 233-, 234-, 235-, 236-, 1234-, and 1235-type coin collectors/telephones, place P-10E783 plastic coin relay cover over relay before assembling upper housing on backplate.*

#### 3. FINAL TESTS, CHECKS, AND INSPECTION

- 3.01 Refer to Section 506-110-301 for tests.
- 3.02 Check that numberplate, instruction card, and directory are in place.
- 3.03 Inspect area around the installation and ensure that all debris is removed.