

COIN TELEPHONE SETS — 235 AND 1235 TYPES

IDENTIFICATION, INSTALLATION, AND MAINTENANCE

1. GENERAL

1.01 The 235- and 1235-type coin telephones may be installed in the following booths:

- KS-19206 Booth, Curved Door
- KS-19442 Booth, Deluxe Glass
- KS-19426 Mounting, Walk-up-Drive-up

1.02 This section is reissued to correct part number errors in Issue 1 and to change title. Since this reissue covers a general revision, arrows ordinarily used to indicate changes have been omitted.

2. IDENTIFICATION

2.01 The 235- and 1235-type coin telephones are the same except that the 235 has a rotary dial and the 1235 has a TOUCH-TONE dial (Fig. 1 and 2).

P-27E804 (235 TYPE) AND P-27E803 (1235 TYPE) DOOR AND LINER ASSEMBLIES

2.02 *To open door:*

- (1) Unlock 29A lock (Fig. 1 or 2).
- (2) Insert 719A tool into slot (Fig. 1 or 2). Turn tool 1/4-turn clockwise and release locking mechanism.

Note: Do not open door fully until plug is removed from TB1 (Fig. 3).

- (3) Open door approximately 3 inches and pull plug.
- (4) Door can now be fully opened.

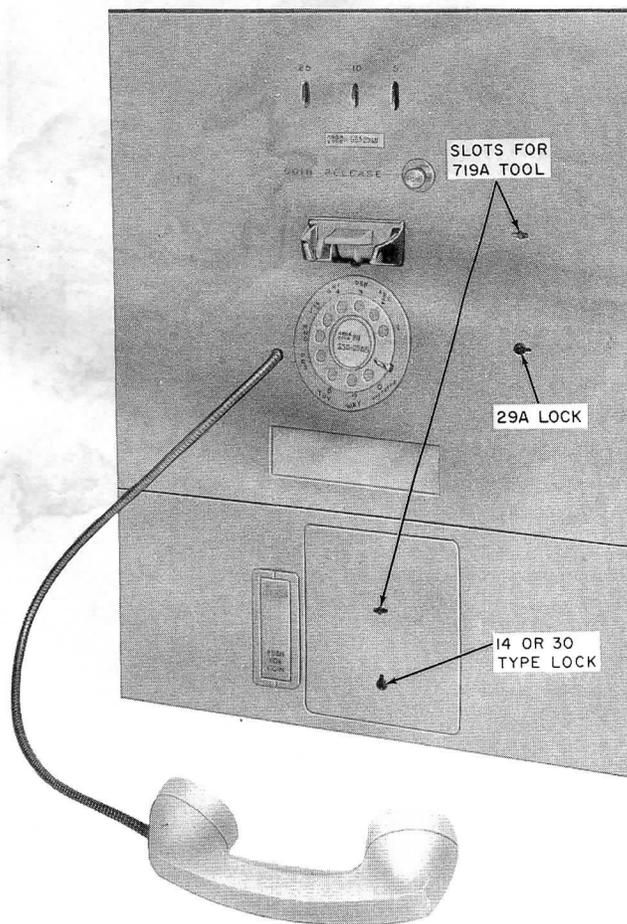


Fig. 1 — 235-Type Coin Telephone

2.03 The door can be removed from any set by taking the four nuts and two screws (Fig. 4) off the hinge assembly.

DOOR MOUNTED COMPONENTS

2.04 *To remove the coin twister assembly:*

- (1) Loosen screws in middle of twister assembly (Fig. 5).

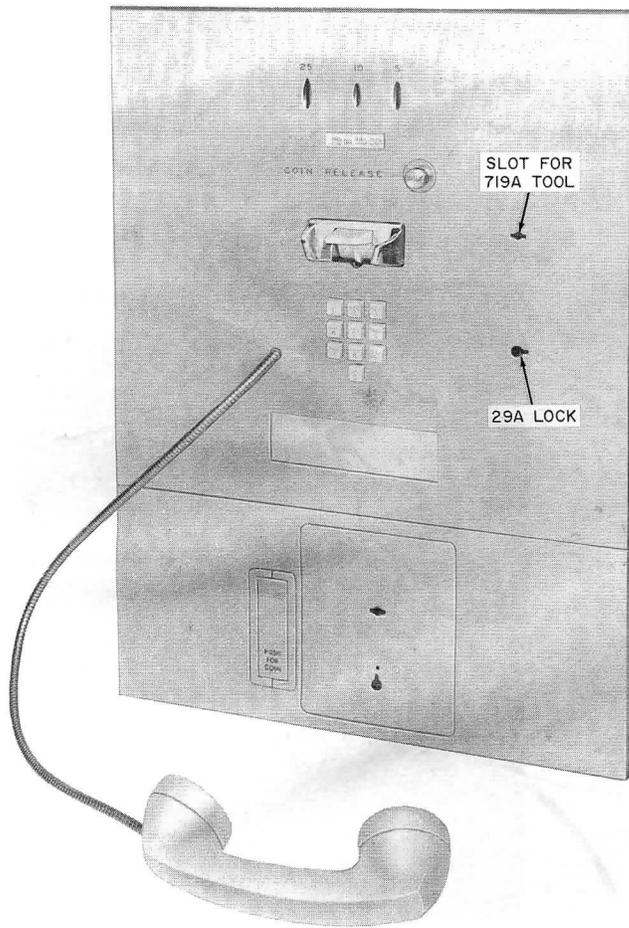


Fig. 2 — 1235-Type Coin Telephone

- (2) Lift P-27E847 coin twister (top section) up and out.
- (3) Remove screws and nuts holding P-44E390 coin twister frame assembly (Fig. 5).
- (4) Lift frame assembly out.
- (5) Replace by reversing the removal procedure.

2.05 To remove P-20A125 gong signal and chute assembly:

- (1) Loosen two P-11E183 bayonet guides (fasteners) on coin chute (Fig. 5).
- (2) Remove P-25E445 screw and P-12A681 spring in lower left of coin chute (Fig. 6).

- (3) Remove screw and P-12A66 stop (Fig. 5).
- (4) Remove wires.
- (5) Remove coin chute.
- (6) Replace by reversing the removal procedure.

2.06 To remove baffle and hinge assembly (Fig. 4):

- (1) Remove the two screws from baffle and hinge assembly.
- (2) Lift plates off.
- (3) Replace baffle and hinge assembly by reversing the removal procedure.

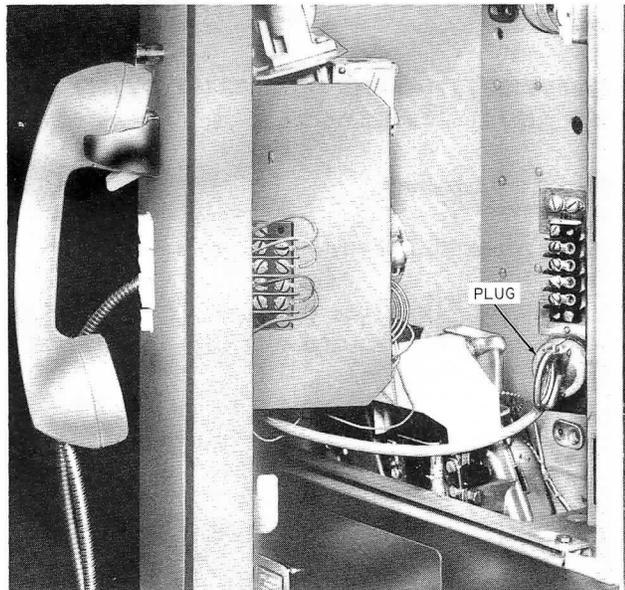


Fig. 3 — Plug Location

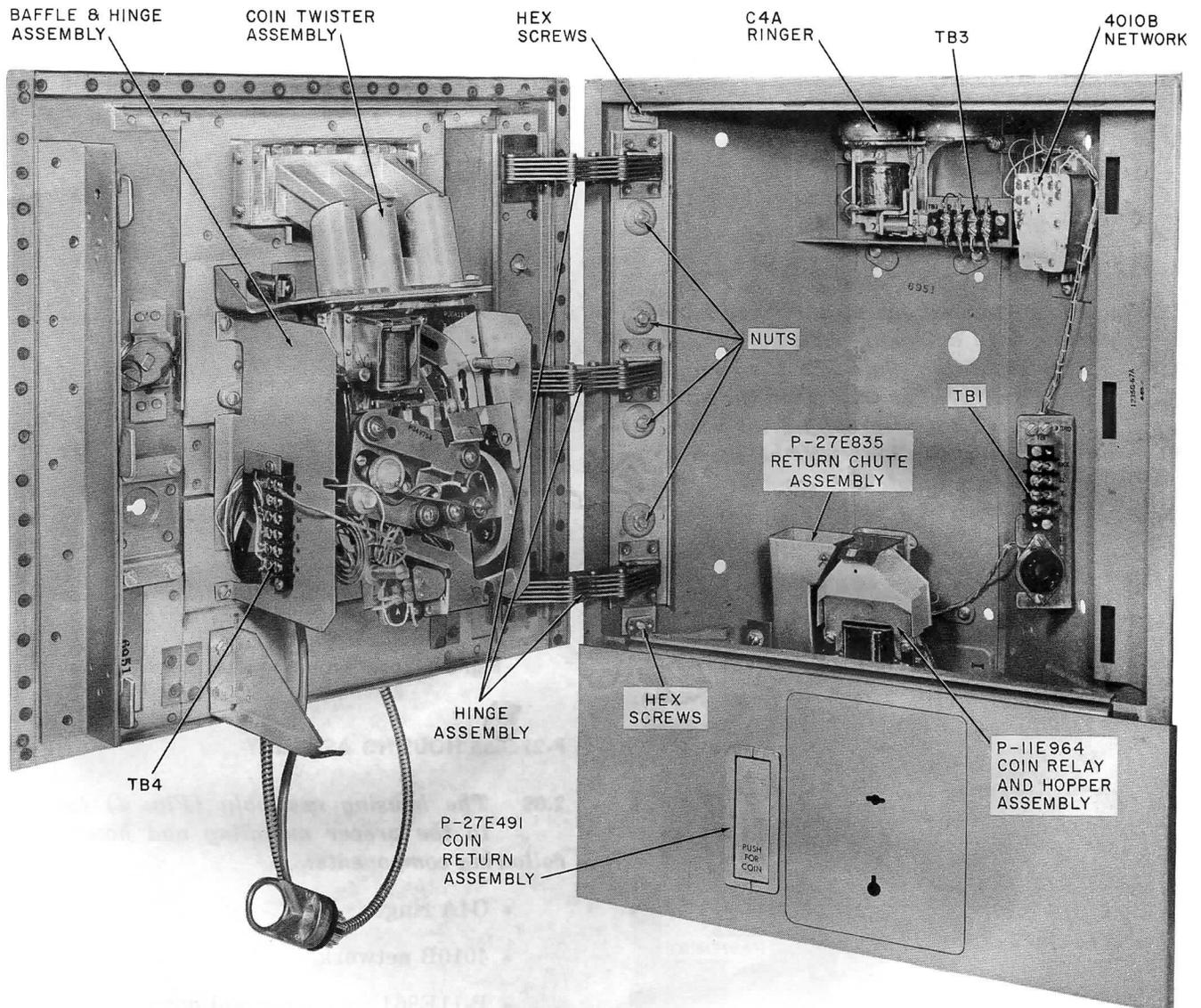


Fig. 4 — 235- and 1235-Type Coin Telephones, Interior

DIALS

2.07 To remove the 25-type TOUCH-TONE dial or the 8-type rotary dial:

- (1) Remove coin chute.
- (2) Disconnect dial leads on TB2.
- (3) Remove baffle and hing assembly (Fig. 4).
- (4) Remove all mounting screws from dial housing.
- (5) Remove dial and housing.
- (6) Remove screws in dial.
- (7) Remove dial from housing.
- (8) Replace dial by reversing the removal procedure.

2.08 To remove G3P-52 handset:

- (1) Remove clamp on armored cord (Fig. 6).

- (2) Remove cord leads from TB4 (Fig. 4). See section on connections for cord leads.
- (3) Remove cord and handset.
- (4) Replace handset by reversing the removal procedure.



The armored jacking of the handset and cord assembly shall be secured by the mounting plate and the conductor leads dressed so that when the handset is pulled to fully extend the armored jacking, the load will be carried by the armor and the conductor leads shall have at least 1/2-inch of excess length at the cord mounting plate.

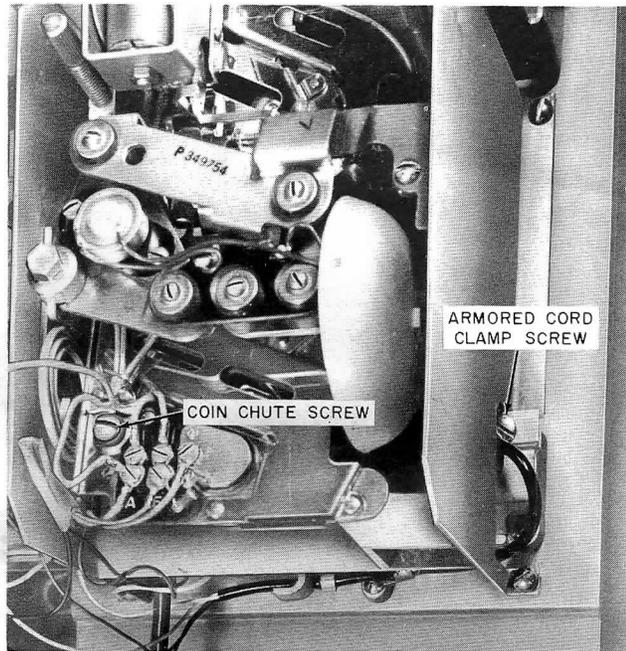


Fig. 6 — Location of Handset Cord Screws

P-27E855 HOUSING ASSEMBLY

2.09 *The housing assembly (Fig. 4) fastens to the proper mounting and houses the following components:*

- C4A ringer.
- 4010B network.
- P-11E964 coin relay and hopper assembly.
- P-27E835 return chute assembly.
- P-15E491 coin return assembly.
- TB1 and TB3.

REMOVING COMPONENTS FROM HOUSING

2.10 *To remove C4A ringer:*

- (1) Disconnect leads from TB3.
- (2) Remove two screws.
- (3) Lift ringer up and off.
- (4) Replace ringer by reversing the removal procedure.

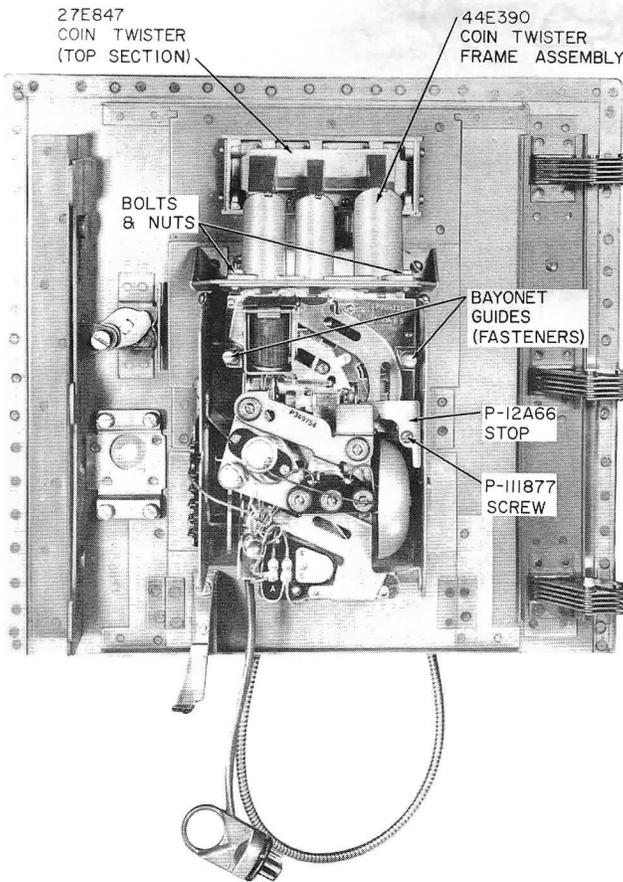


Fig. 5 — Location of Mounting Hardware for Coin Chute and Twister Assembly

2.11 To remove the coin return assembly:

- (1) Loosen coin return assembly screw (Fig. 7).
- (2) Lift assembly off.
- (3) Replace assembly by reversing the removal procedure.

2.12 To remove P-13E961 coin relay from hopper:

- (1) Remove coin return assembly (2.11).
- (2) Disconnect leads from coin relay.
- (3) Remove four screws.
- (4) Remove P-28E453 clip and special dust cover.
- (5) Pull out relay.

Note: Take care not to damage trigger when removing coin relay.

2.13 To remove the coin return bucket:

- (1) Remove coin return bucket screw (Fig. 7).
- (2) Pull bucket up and out.
- (3) Replace bucket by reversing the removal procedure.

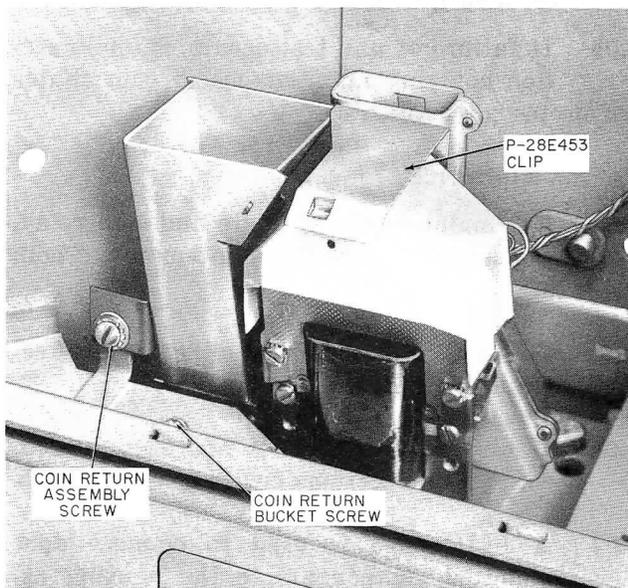


Fig. 7 — Location of Screws

2.14 4A-67 Door: The 4A-67 door assembly is furnished with 235- and 1235-type telephone sets.

3. INSTALLATION

3.01 Installation is the same for 235- and 1235-type coin telephones.

3.02 To mount coin telephone:

- (1) Open door (see 2.02 and note).
- (2) Feed inside wire through wire entrance hole (Fig. 8).
- (3) Fasten coin telephone to mounting with 1/4-20 by 3/4-inch round head steel screws. Use washers on screws so head cannot be pulled through hole.

Note: The two top holes behind the coin box cannot be used because the hopper assembly covers them.

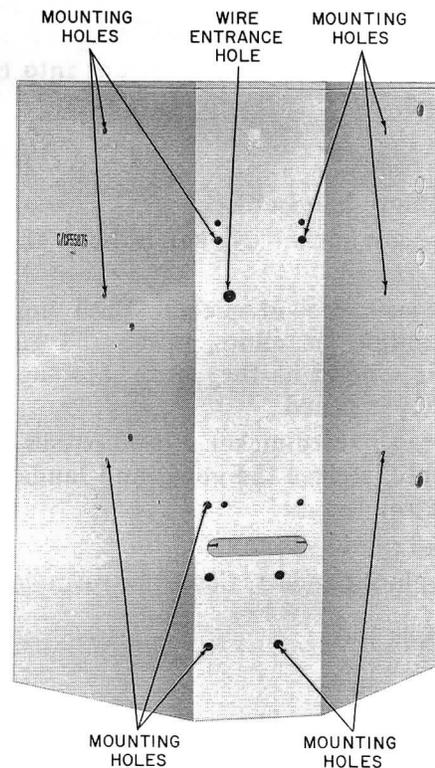


Fig. 8 — Location of Mounting Holes and Wire Entrance Hole

- (4) Connect inside wire at TB1, T, R, and GRD (Fig. 4). Dress wire away from door.

Note: Be sure ringer volume is set on loud and bias spring is in proper setting.

3.03 To complete installation:

- (1) Close door far enough so plug from door reaches jack on TB1.
- (2) Insert plug into jack.
- (3) Close door.
- (4) Turn locking mechanism 1/4-turn using a 719A tool (Fig. 1).
- (5) Lock 29A lock.

4. TESTS

4.01 Nickel tests:

Test A

- (1) Remove handset.
- (2) Deposit nickel. Nickel is held at holding latch.
- (3) Operate coin release slowly.
- (4) Nickel is released and drops into coin return.

Test B

- (1) Remove handset.
- (2) Deposit nickel. Nickel is held at holding latch.
- (3) Deposit second nickel. Both coins pass through the chute, strike the gong, and trip the trigger as they drop into the hopper. Dial tone is heard.
- (4) Deposit third nickel. Nickel passes through chute, strikes the gong, and lands on trap in coin hopper.
- (5) Dial digit to break dial tone.
- (6) Replace handset. Coins are refunded.

4.02 Dime tests:

Test A

- (1) Deposit dime. Dime passes through chute, strikes gong twice, and trips the trigger.
- (2) Remove handset. Dial tone is heard.
- (3) Replace handset. Coin is refunded.

Test B

- (1) Remove handset.
- (2) Deposit dime. Dime passes through chute, strikes gong twice, and trips the trigger. Dial tone is heard.
- (3) Dial digit to break dial tone.
- (4) Replace handset. Coin is refunded.

4.03 Quarter tests:

Test A

- (1) Deposit quarter. Quarter passes through chute and trips the trigger.
- (2) Remove handset. Dial tone is heard.
- (3) Replace handset. Coin is refunded.

Test B

- (1) Remove handset.
- (2) Deposit quarter. Quarter passes through coin chute, strikes gong, and trips trigger. Dial tone is heard.
- (3) Dial digit to break dial tone.
- (4) Replace handset. Coin is refunded.

4.04 Coin signal test:

- (1) Contact operator or test board. Tell them this is a test for coin signals and coins are to be returned.
- (2) Deposit nickel, dime, and quarter asking for identification of each coin.

4.05 If failure of any test occurs, refer to section covering maintenance of coin chutes for proper adjustment.

5. MAINTENANCE

5.01 For maintenance of chute and coin relay, see sections covering maintenance of coin collectors.

5.02 No field maintenance of either dial is recommended. Replace if defective.

5.03 If electrical difficulties are encountered, refer to the sections covering connections.

5.04 A P11C cord is used to connect door mounted components to the housing assembly (Fig. 3). This allows the set to be operative while visual inspection is made.