

## COIN TELEPHONE—2A-TYPE IDENTIFICATION

### 1. GENERAL

1.01 The 2A-type coin telephone is a stainless steel, single slot, panel phone.

1.02 The 2A1 coin telephone (Fig. 1) and the 2A2 coin telephone (Fig. 2) are similar except that the 2A1 has a rotary dial while the 2A2 has a 12-button TOUCH-TONE® dial.

1.03 This section is reissued to:

- Show proper direction of arrows in Fig. 3 for measuring depth of coin telephone.
- Make key callout numbers in Fig. 4 compatible with the legend.

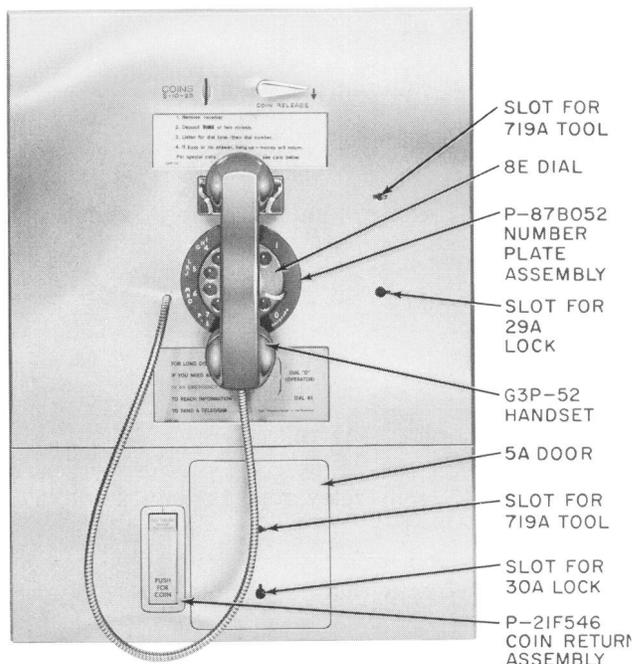


Fig. 1—2A1 Coin Telephone

1.04 Overall dimensions of the coin telephone are shown in Fig. 3.

**Note:** The switch hook and handset extend 2-3/4 inches in front of the faceplate.

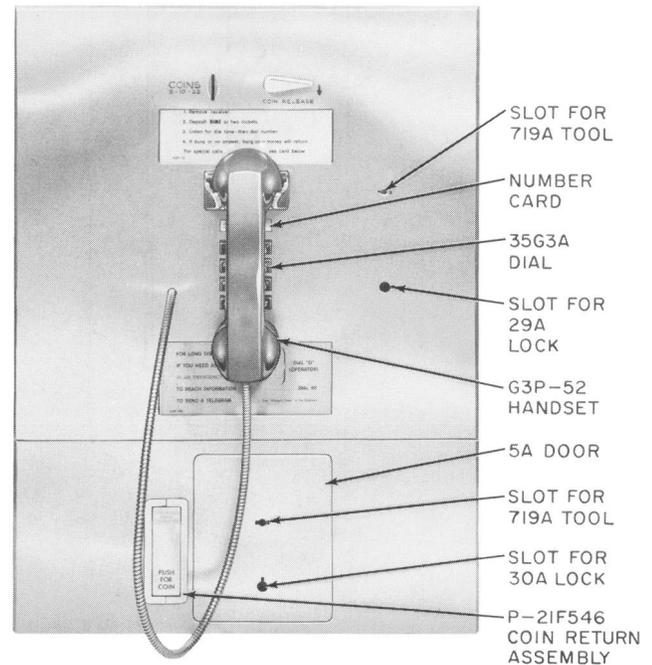


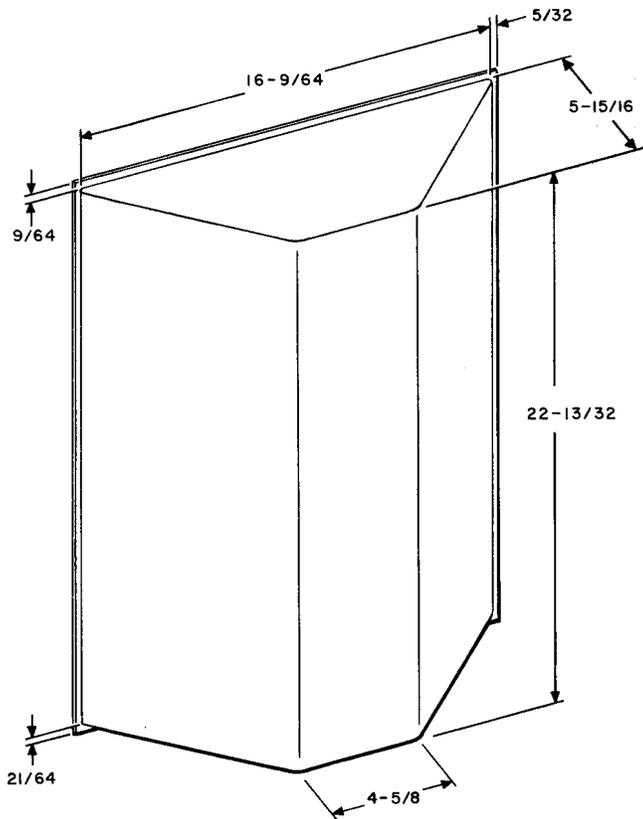
Fig. 2—2A2 Coin Telephone

### 2. ORDERING GUIDE

Set, Telephone, 2A1 or Set, Telephone, 2A2

#### (a) Replaceable Components for 2A1 (Fig. 4)

- P-90D087 housing and door assembly, consisting of:
  - P-25E669 door and faceplate assembly
  - P-25E692 housing and mounting plate assembly
  - 5A door
- P-15E428 coin chute-totalizer assembly, consisting of:
  - P-24E342 coin chute assembly



NOTE:  
ALL DIMENSIONS SHOWN  
ARE IN INCHES.

**Fig. 3—Rear View Showing Dimensions**

P-15E579 totalizer assembly

- P-15E437 chassis unit assembly, consisting of:

4010C network

C4A ringer

303K mercury (A) relay

- P-15E718 coin relay and hopper assembly, consisting of:

P-15E687 coin relay assembly

P-15E717 coin hopper assembly

- P-15E730 return chute assembly

- P-21F546 coin return assembly

- P-83E752 dial and housing assembly, consisting of:

8E-52 dial

P-87B052 number plate assembly

- G3P-52 handset

- 1D coin receptacle rail

(b) **Replaceable Components for 2A2 (Fig. 4)**

- P-90D201 housing and door assembly, consisting of:

P-23F046 door and faceplate assembly

P-25E692 housing and mounting plate assembly

5A door

- P-15E428 coin chute-totalizer assembly, consisting of:

P-24E342 coin chute assembly

P-15E579 totalizer assembly

- P-15E437 chassis unit assembly, consisting of:

4010C network

C4A ringer

303K mercury (A) relay

- P-15E718 coin relay and hopper assembly, consisting of:

P-15E687 coin relay assembly

P-15E717 coin hopper assembly

- P-15E730 return chute assembly

- P-21F546 coin return assembly

- P-26E153 dial and housing assembly, consisting of:

35G3A, 12-button TOUCH-TONE dial

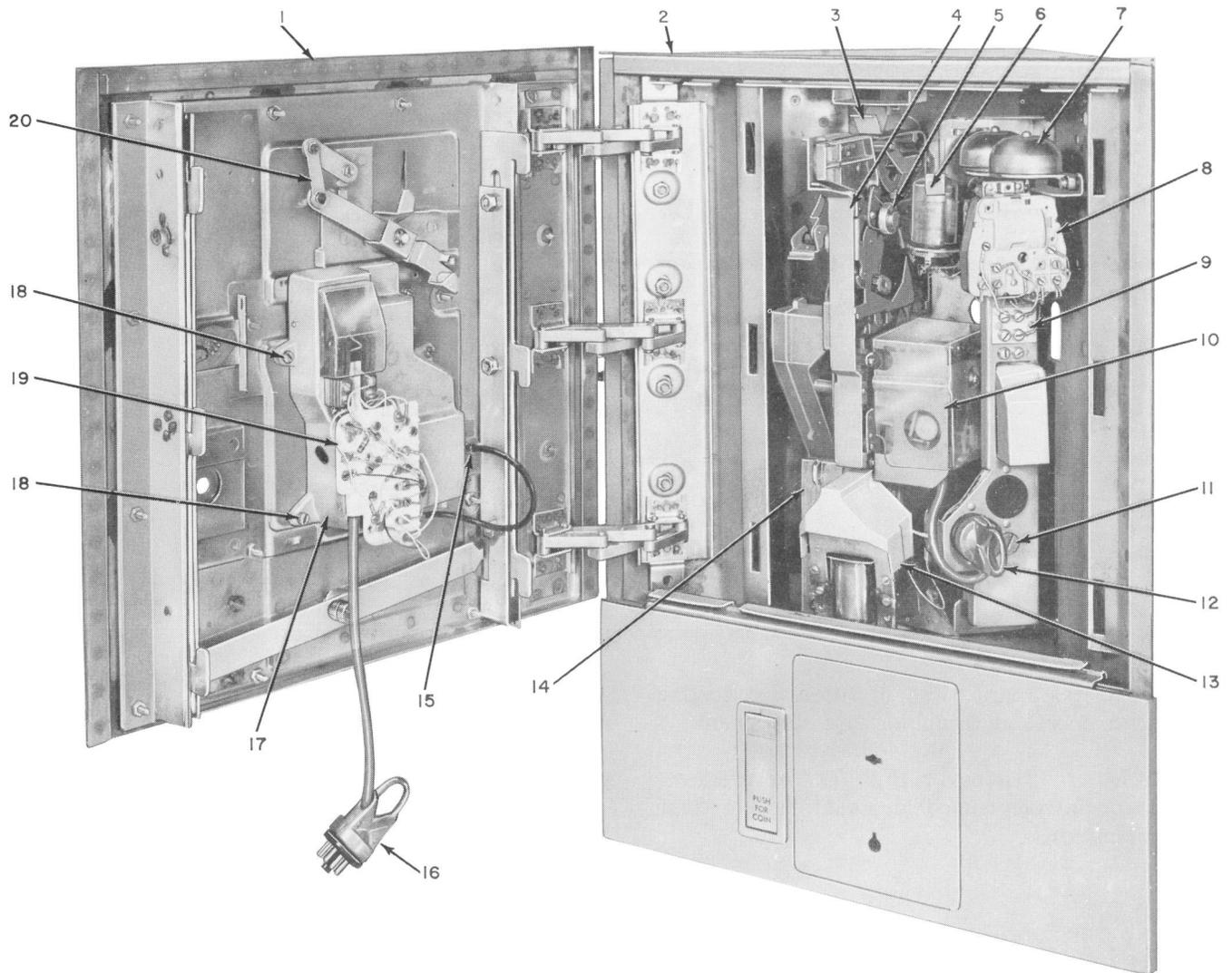


Fig. 4—Assembly of Parts

## LEGEND

- |  |   |
|--|---|
| 1—P-25E669 (2A1) OR P-23F046 (2A2) DOOR AND FACEPLATE ASSEMBLY | 12—PLUG P2  |
| 2—P-25E692 HOUSING AND MOUNTING PLATE ASSEMBLY                 | 13—P-15E687 COIN RELAY ASSEMBLY                               |
| 3—P-27E542 CHUTE LOCKING LEVER AND P-27E497 SPRING             | 14—P-15E730 RETURN CHUTE ASSEMBLY                             |
| 4—P-24E342 COIN CHUTE ASSEMBLY                                 | 15—CORD CLAMP   |
| 5—654B TRANSMITTER   | 16—PLUG P1  |
| 6—303K MERCURY (A) RELAY AND P-21F297 BRACKET                  | 17—P-83B752 (2A1) OR P-26E153 (2A2) DIAL AND HOUSING ASSEMBLY |
| 7—C4A RINGER   | 18—DIAL HOUSING MOUNTING SCREW                                |
| 8—4010C NETWORK  | 19—TB2  |
| 9—TB1  | 20—COIN RELEASE MECHANISM                                     |
| 10—P-15E579 TOTALIZER ASSEMBLY                                 |   |
| 11—CHASSIS MOUNTING SCREW                                      |   |

- G3P-52 handset
- 1D coin receptacle rail
- P-21F947 card holder bracket
- P-21F948 window

(c) *Associated Apparatus for 2A1 or 2A2 (order separately)*

- 1B or 1C coin receptacle
- 1D or 1E coin receptacle cover
- 30A (or 308 when available) lock (cash compartment)
- 29A (or 31A when available) lock (door and faceplate assembly)
- 719A tool (Fig. 5)
- P11C test cord (Fig. 6) (used for testing with door and faceplate assembly open)
- 127A or 127B cover (Fig. 7) (for use over the coin telephone in installations not flush mounted)

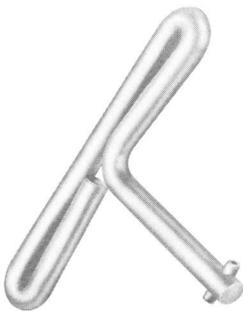


Fig. 5—719A Tool



Fig. 6—P11C Test Cord

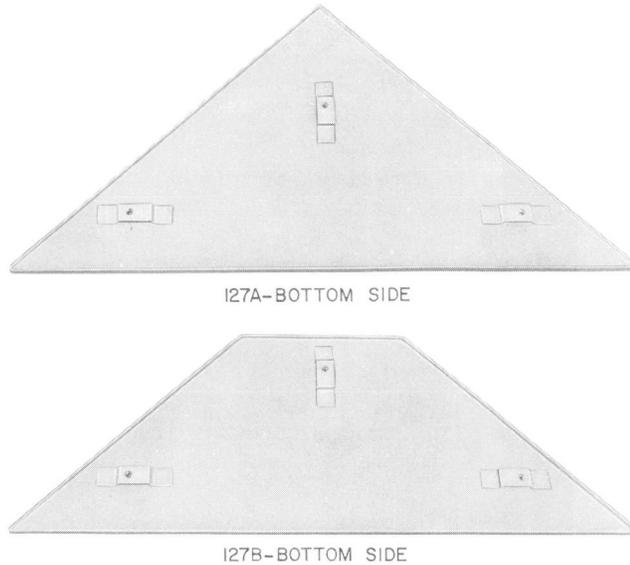


Fig. 7—127A and 127B Covers

3. DESIGN FEATURES

- (a) Used only with dial prepay coin trunks.
- (b) All parts are contained in a high-security steel housing which has the following features:
  - Door and faceplate assembly has six locking points actuated by a 719A tool.
  - Door and faceplate assembly is secured by 29A lock and 719A tool.
  - Cash compartment door has five locking points; three are actuated by a 719A tool and two are stationary.
  - Cash compartment door is secured by 30A lock and 719A tool.
- (c) Provision is made for use of four security studs.
- (d) A single slot is provided to accept U.S. nickels, dimes, and quarters.
- (e) All sorting of coins is done internally by coin chute-totalizer assembly.
- (f) Coin return is designed to deter stuffing.

- (g) Has transmission characteristics equivalent to a 500/1500-type coin telephone.
- (h) Arranged to accept 1B or 1C coin receptacle.



*The 1C coin receptacle has a 50-percent greater capacity than the 1B. When 1C is used, removal of false floor in cash compartment is required.*

- (i) 1D or 1E coin receptacle cover may be used.
- (j) All electrical connections of field replaceable internal assemblies, except coin relay and ringer, are made by plug and jack arrangement.

#### 4. OPERATING FEATURES

**4.01** Each 2A-type coin telephone is equipped with a totalizer mounted on the side of the coin chute. The totalizer cam shaft is rotated 10 degrees for each nickel deposited, 20 degrees for each dime, and 50 degrees for each quarter. Each cog (10 degrees) on the gear wheel represents a 5-cent deposit. The totalizer can be set for an initial rate of any amount from 5 cents to 45 cents in increments of 5 cents. A call can not be made

until the preset initial rate has been deposited. All totalizers received from the factory will be preset at 10-cent initial rate.

**4.02** Coin identification is made by beep tones generated by an oscillator in the set. A nickel is identified by one beep, a dime by two beeps, and a quarter by a series of five rapid beeps. These tones are not audible in the handset. A transmitter mounted on the side of the chute transmits the sound of coins, passing through the chute, to the operator. This sound indicates that coins are being deposited and false tones are not being generated.

**4.03** Coins are sorted as they are deposited and, if accepted, rotate the totalizer cam shaft 10 degrees for each 5 cents deposited. Dial tone will not be heard until the preset initial rate on totalizer is reached. The call proceeds in the normal manner after the preset amount has been deposited.

**4.04** Coins deposited on long distance calls are identified by beep tones (4.02) which are audible only to the operator.