

COIN TELEPHONE SETS—SINGLE-SLOT

GENERAL INFORMATION AND METHOD OF OPERATION

1.00 GENERAL

1.01 The 1A1 single-slot coin telephone set is a dial-prepay telephone used for dial service in common-battery systems. It replaces the 230-, 233-, and 234-type coin collectors.

1.02 The 1A1 coin telephone cannot be used on postpay or manual circuits.

2.00 FEATURES

2.01 All parts are contained in a high-security steel housing. The cover has six locking points (Fig. 2) and the vault door contains four locking points. The locking mechanism of the cover is held in place by a 29A lock. The vault door is held by a 14C lock. Both locking mechanisms are operated with a 719A tool and associated keys.

2.02 Provision is made for the use of four security studs and for a 1A switch kit, which contains 2 alarm switches.

2.03 A single slot is provided on the face of the telephone set to accept US nickels, dimes, and quarters. Modification is necessary for Canadian coins. All sorting of the coins is done internally. The coin return is designed to prevent stuffing.

2.04 Each 1A1 coin telephone set is equipped with a totalizer mounted on the side of the coin chute. The totalizer is stepped once for each nickel deposited, twice for each dime, and five times for each quarter. Each cog (10 degrees) on the gear wheel represents 5 cents. The totalizer can be set for an initial rate of any amount from 5 cents to 45 cents in steps of five. A call cannot be dialed until the preset initial rate has been deposited. All totalizers received from the factory will be set at 10 cents.

2.05 Coin identification is accomplished by beep tones produced by an oscillator in the set.

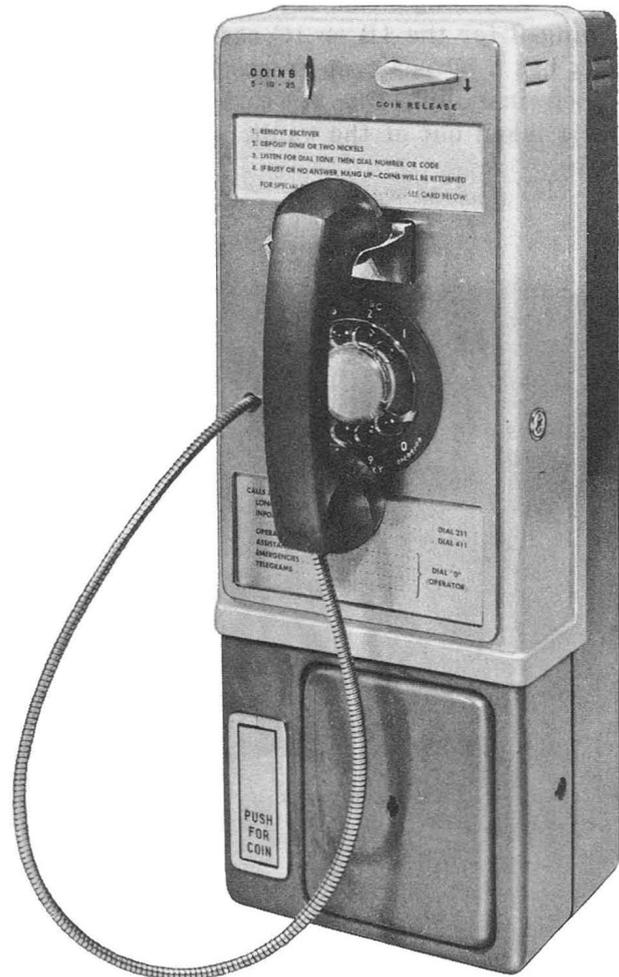


Fig. 1 — 1A1 Coin Telephone Set,
Front View

A nickel is identified by one beep, a dime by two beeps, and a quarter by a series of five beeps.

2.06 All components are connected by a plug and jack arrangement. These components are easily replaced in the field.

2.07 New circuits in this set prevent fraudulent operation. The set also has the equivalent transmission qualities of the 500-type telephone set.

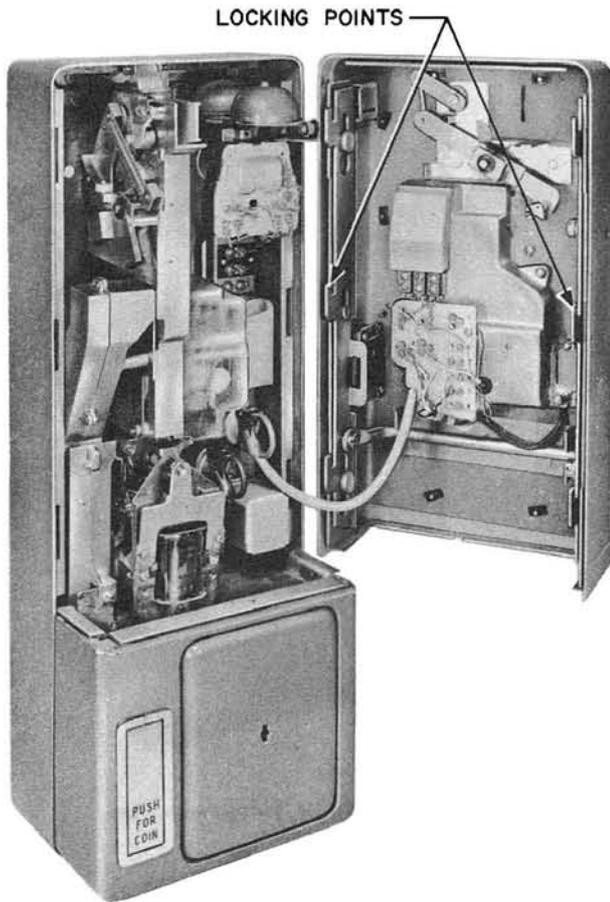
2.08 The 1A1 coin telephone comes in the colors dark grey (-61A) and light grey (-61B). Both sets are the same color with the exception of the number ring and handset.

2.09 The 1A1 single-slot coin telephone is arranged for the 1B or 1C cash box. The 1C cash box has a 50 per cent greater money capacity. When installing the 1C cash box, a false bottom is taken out of the vault.

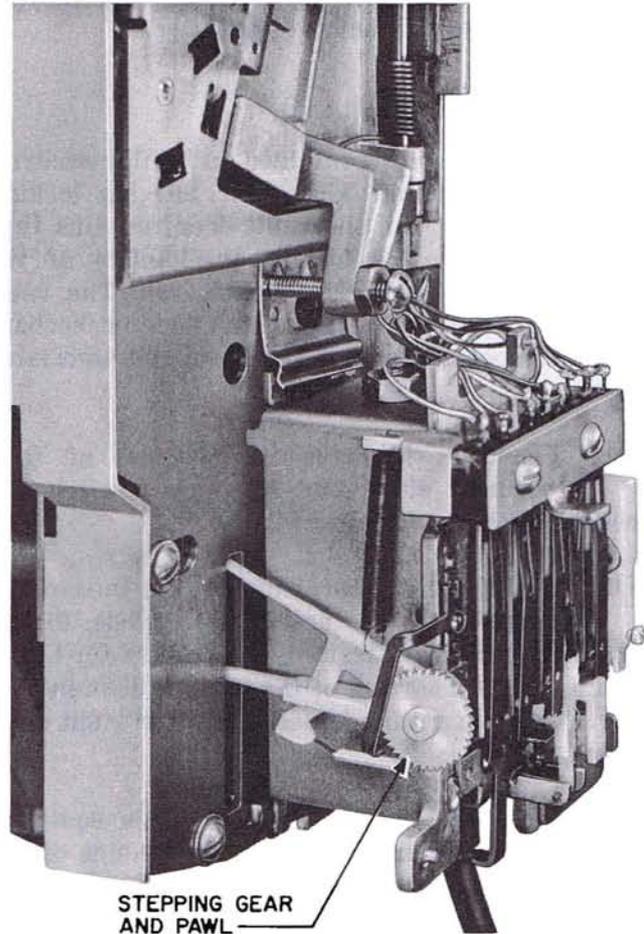
3.00 METHOD OF OPERATION

3.01 The deposited coins are sorted by the coin chute and, if accepted, step the totalizer once for each 5 cents deposited. A dial tone will not be heard until the preset initial rate on the totalizer is reached. The call proceeds normally after the preset amount has been deposited.

3.02 Coins deposited on long-distance calls are identified by beep tones (see 2.05) which are audible only to the operator.



**Fig. 2 — 1A1 Coin Telephone Set,
Inside View**



**Fig. 3 — Coin Chute and Totalizer,
Cover Removed**