

COIN TELEPHONE SETS—SINGLE-SLOT IDENTIFICATION AND ASSEMBLY OF PARTS

1.00 INTRODUCTION

1.01 This section covers identification and assembly of parts for the 1A1-type coin telephone set.

2.00 GENERAL

2.01 All parts are contained in a welded high-security housing. The handset, switch-hook dial, single-slot coin entrance, coin release lever, and two instruction cards are mounted on a removable front cover. All other components are mounted on the rear housing. (See Fig. 2.)

2.02 Electrical connections between components are made by plug and jack arrangements. This permits easy replacement of any electrical component in the set.

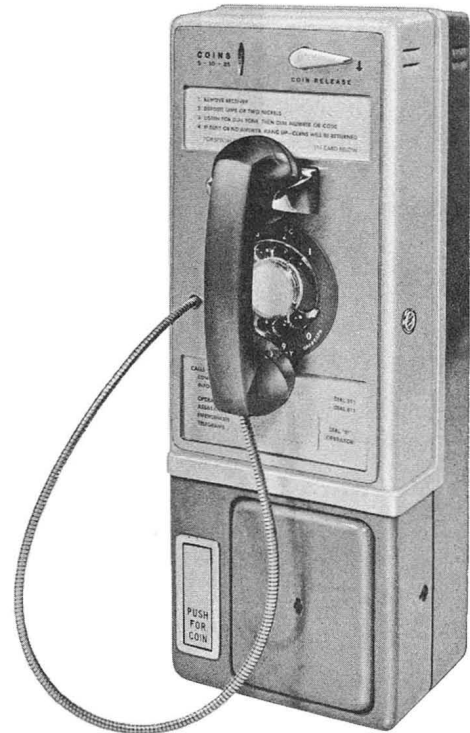


Fig. 1 — 1A1 Coin Telephone

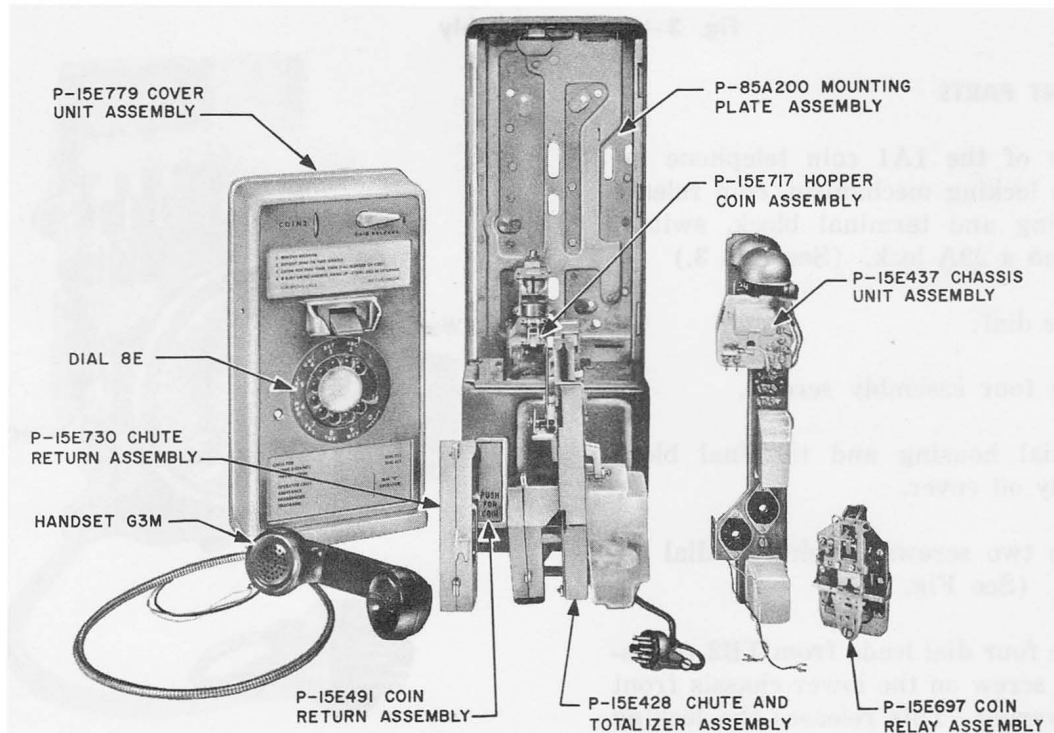


Fig. 2 — Component Parts

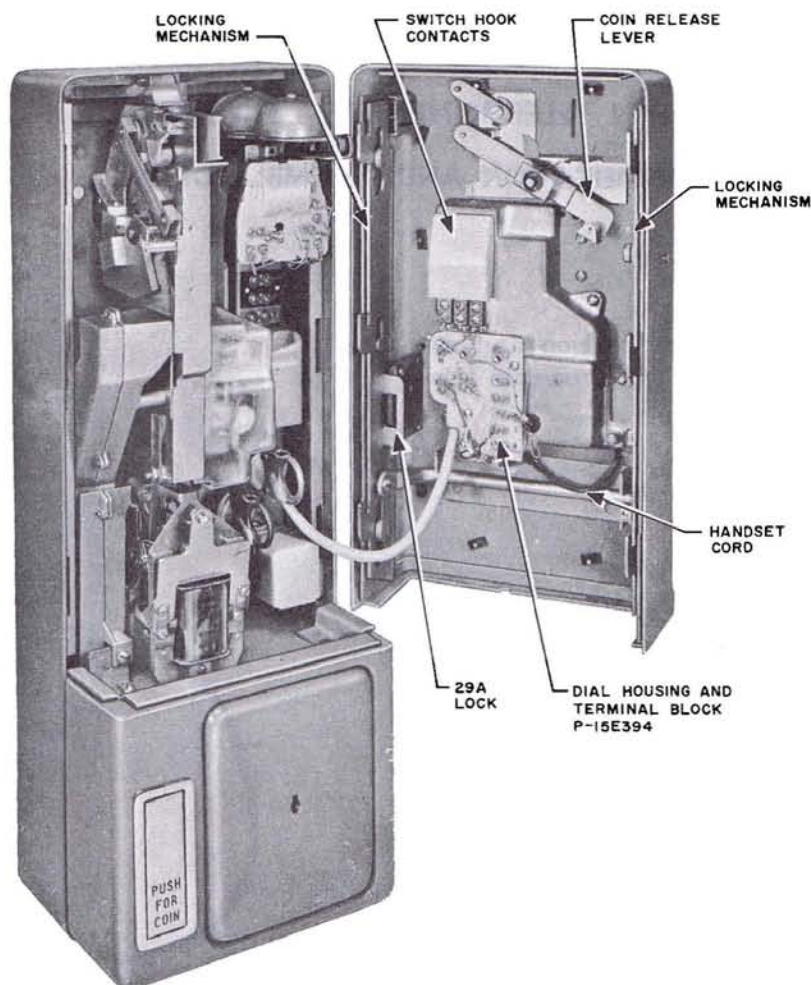


Fig. 3 - Cover Assembly

3.00 COMPONENT PARTS

3.01 The cover of the 1A1 coin telephone includes the locking mechanism, coin release lever, dial housing and terminal block, switch-hook contacts, and a 29A lock. (See Fig. 3.)

3.02 To remove dial:

1. Remove four assembly screws.
2. Take dial housing and terminal block assembly off cover.
3. Remove two screws on side of dial assembly. (See Fig. 4.)
4. Remove four dial leads from TB2 releasing the screw on the lower chassis front and lowering. This releases the locking arrangement at the top.

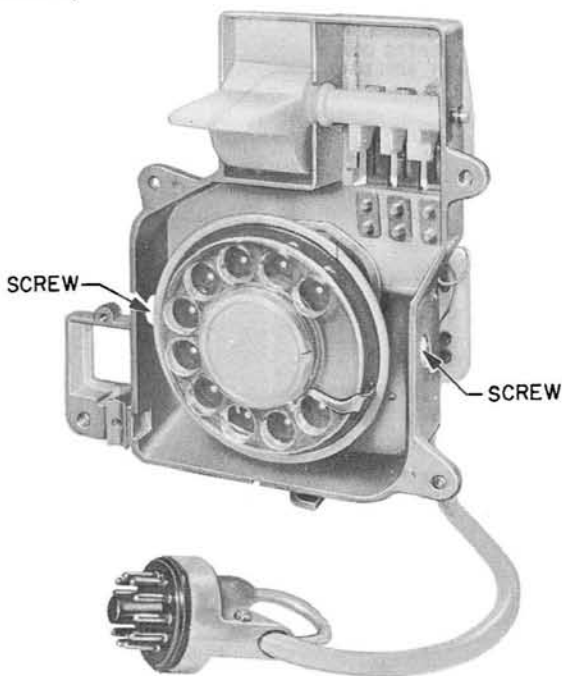


Fig. 4 - Dial Housing

3.03 The chassis assembly is equipped with three jacks (Fig. 6) which operate as follows:

- J-1 accepts plug from cover.
- J-2 accepts plug from coin chute and totalizer assembly.
- J-3 accepts the negative-start plug.

3.04 All components are mounted in the chassis assembly. (See Fig. 5.) The spring clip at the top of the set holds the coin chute and totalizer assembly in place. The coin return assembly can be removed by loosening the holding screw. (See Fig. 5.) The chassis assembly is removed by loosening the screw, lowering the assembly, and lifting out.

3.05 The chassis assembly also contains TB1 for line connections, T, R, and G, an oscillator which produces the coin-identification tones, the network, and the C4A ringer. The entire assembly is coded as P-15E437 chassis unit assembly.

3.06 The coin chute serves as a mounting for the totalizer. (See Fig. 7 and 8.) The coin chute and totalizer ordinarily should not be separated. If a replacement is needed, a new coin

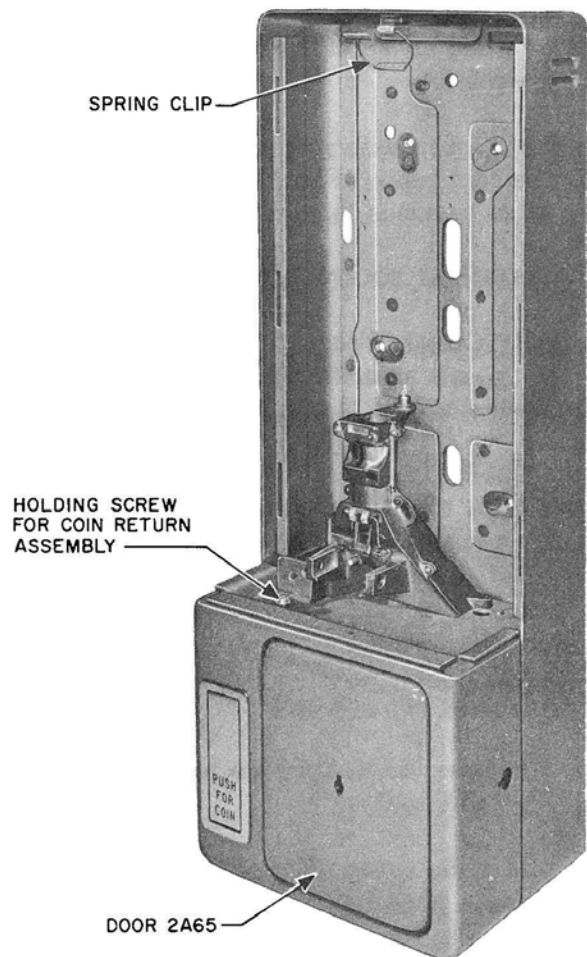


Fig. 5 — Mounting Plate Assembly

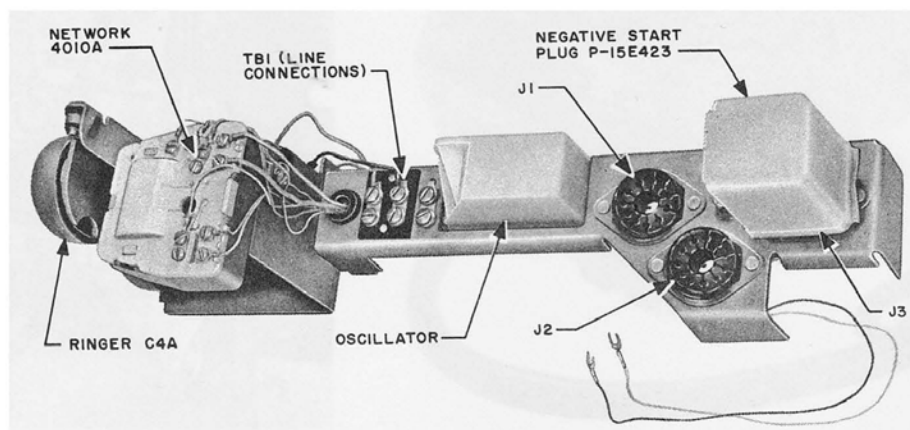


Fig. 6 — Chassis Assembly

chute and totalizer should be ordered. This assembly is coded as a P-15E428 coin chute and totalizer assembly.

3.07 The hopper assembly is shown in Fig. 9.

The coin relay (Fig. 10) mounts with four screws as in previous telephone sets.

4.00 ADDITIONAL EQUIPMENT

4.01 A P11C test cord to connect the cover to the chassis assembly is available. This permits complete access to the set while it is still operative.

4.02 A 719A tool is required to release the locking mechanism on both the cover and vault door.

To remove the cover:

1. Unlock the 29A lock.
2. Release the locking mechanism by use of a 719A tool.
3. Lift the cover off and at the same time grasp plug P1.
4. Pull plug P1 out with right index finger.

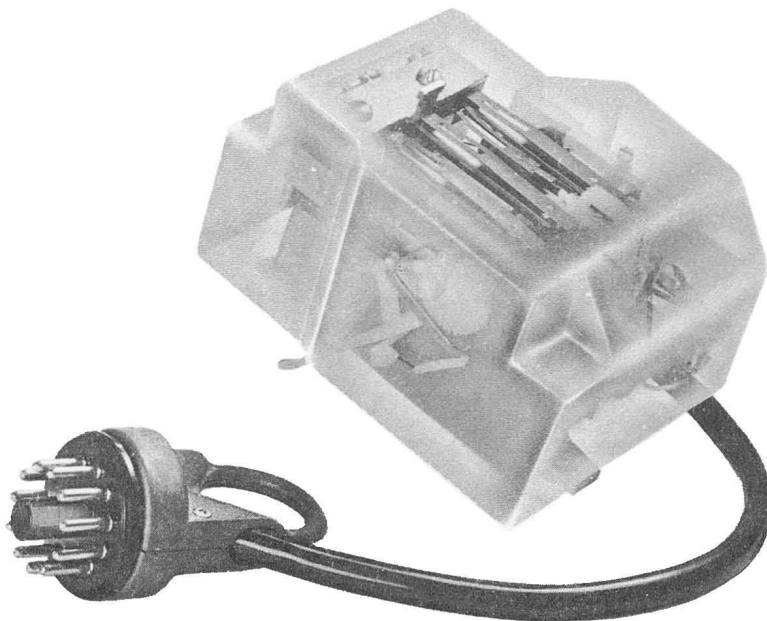


Fig. 8 — Totalizer

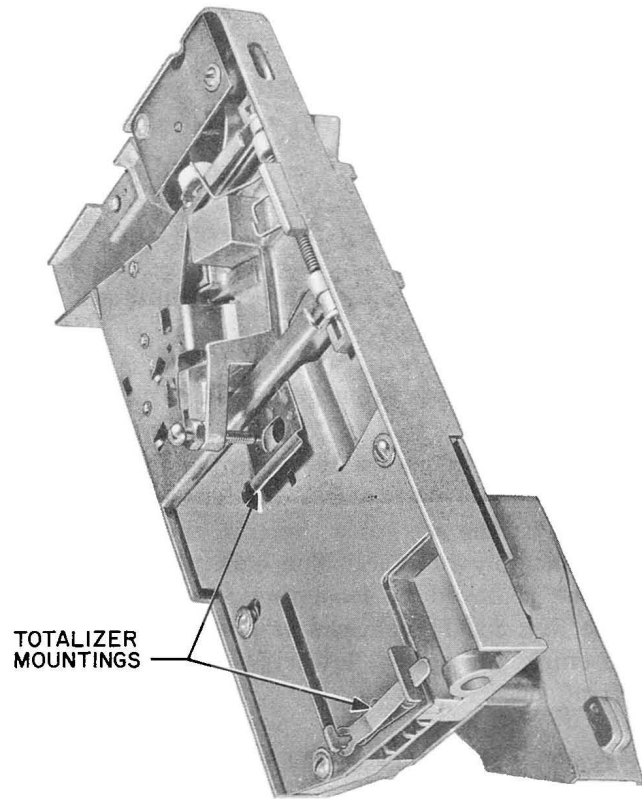


Fig. 7 — Coin Chute

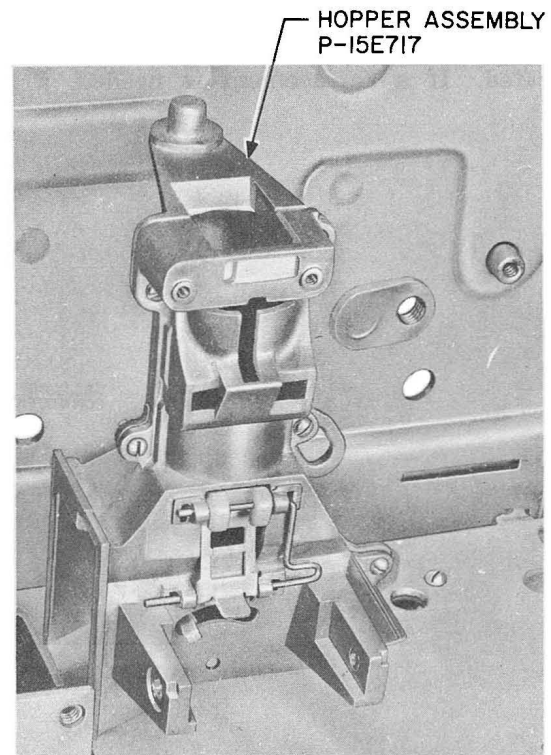


Fig. 9 — Hopper Assembly

4.03 A 1A switch kit assembly is available for installation in the 1A1 coin telephone. (See Fig. 11.) The 1A switch kit consists of two micro-switches equipped with brackets, actuators and screws. The P-25E056 switch is designed to mount over the vault. The actuator of this switch ex-

tends through a hole in the vault top and rests on the top bolt of the 2A door locking mechanism. The P-25E058 is designed to mount in the upper left of the housing. The actuator of this switch is operated by the locking mechanism of the cover.

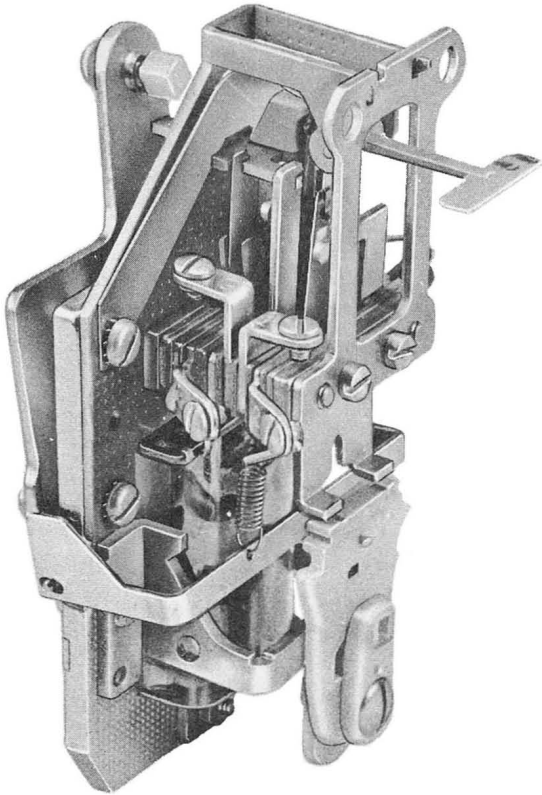


Fig. 10 — Coin Relay

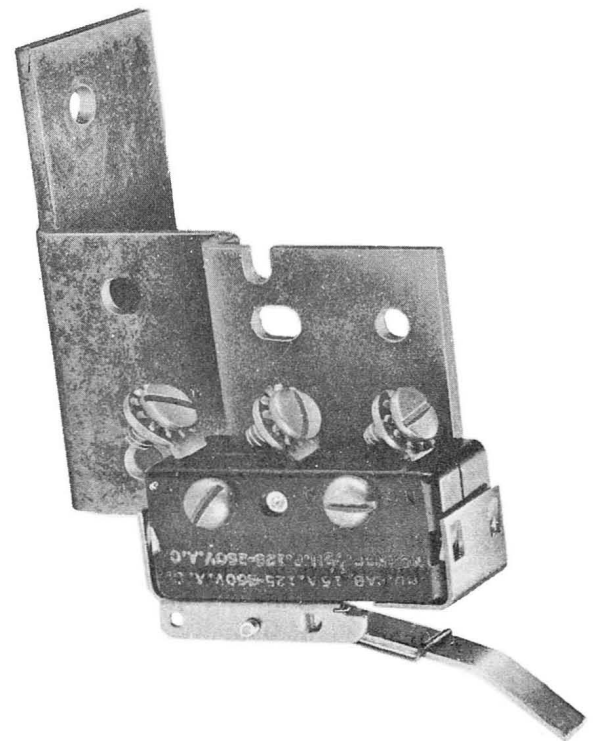


Fig. 11 — 1A Alarm Switch