

COIN TELEPHONE — 1A-TYPE
IDENTIFICATION

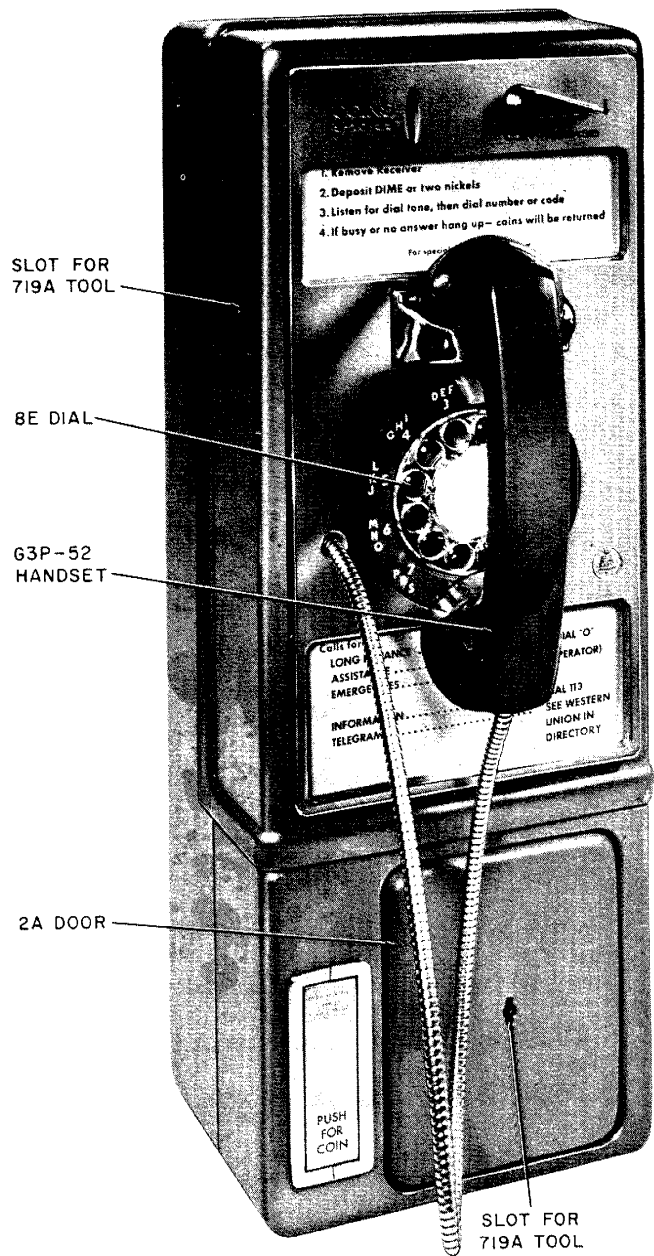


Fig. 1 — 1A1 Coin Telephone

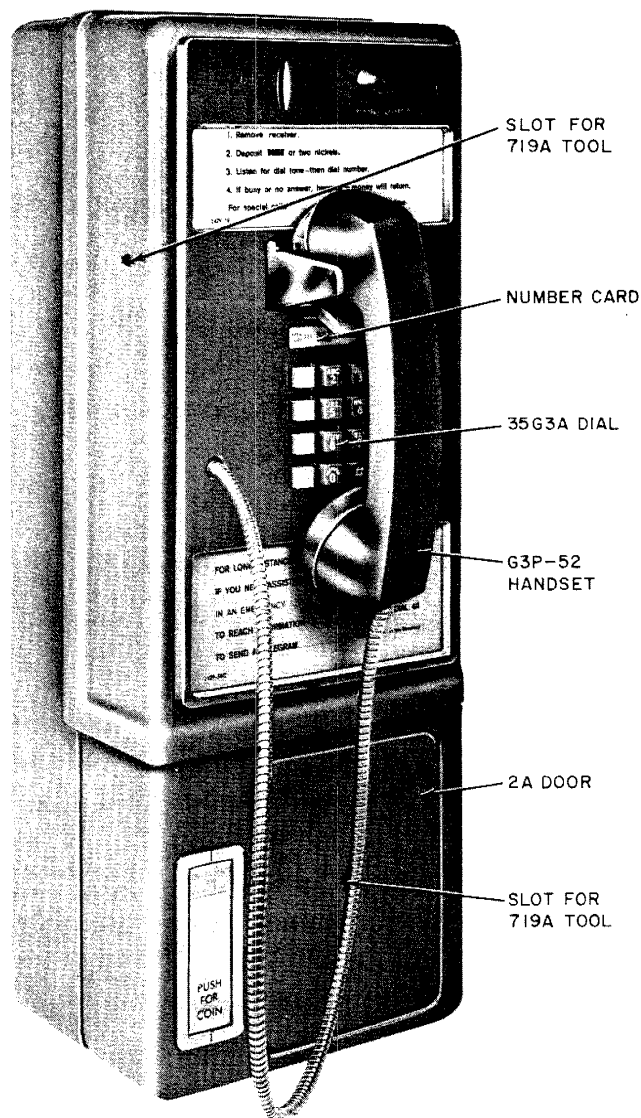


Fig. 2 — 1A2 Coin Telephone

SECTION 506-326-100

1. GENERAL

1.01 This section is reissued to incorporate information on 1A2 coin telephone.

1.02 The 1A2 coin telephone set is similar to the 1A1 except the rotary dial is replaced with a 12-button TOUCH-TONE dial.

1.03 The 1A1 coin telephone can be converted to a 1A2 coin telephone by replacing the P-90C800 cover unit assembly with a P-91C600 cover unit assembly. No wiring changes are necessary.

2. ORDERING GUIDE

Set, Telephone, 1A1 or Set, Telephone, 1A2

(a) *Replaceable Components For 1A1 (Fig. 3)*

- P-90C800* cover unit assembly consisting of:
 - P-83B752 dial and housing assembly
 - 8E dial
 - G3P-52 handset
 - P-84A852 number plate assembly
- P-15E428 coin chute-totalizer assembly consisting of:
 - P-24E342 coin chute assembly
 - P-15E579 totalizer assembly
- P-85A200* housing and mounting plate assembly
- P-15E437 chassis assembly
- 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
- 303K mercury (A) relay

* See Table A for color selection.

Γ (b) *Replaceable Components For 1A2 (Fig. 3)*

- P-91C600* cover unit assembly consisting of:
 - P-26E153 dial and housing assembly
 - 35G3A 12-button TOUCH-TONE dial
 - G3P-52 handset
- P-15E428 coin chute-totalizer assembly consisting of:
 - P-24E342 coin chute assembly
 - P-15E579 totalizer assembly
- P-85A200* housing and mounting plate assembly
- P-15E437 chassis unit assembly
- P-15E718 coin relay and hopper assembly consisting of:
 - P-15E687 coin relay assembly
 - P-15E717 coin hopper assembly
- P15E730 return chute assembly
- P-21F546 coin return assembly
- 303K mercury (A) relay

↳* See Table A for color selection.

(c) *Associated Apparatus (Fig. 4, 5, and 6)*

- 2A door
- 1B or 1C coin receptacle
- 1D or 1E coin receptacle cover
- 1A switch kit (alarm)
- 14D lock (cash compartment)
- 30A lock (cash compartment)
- 29A lock (cover assembly)
- 719A tool
- P11C test cord*

* Used for testing with cover unit assembly removed.

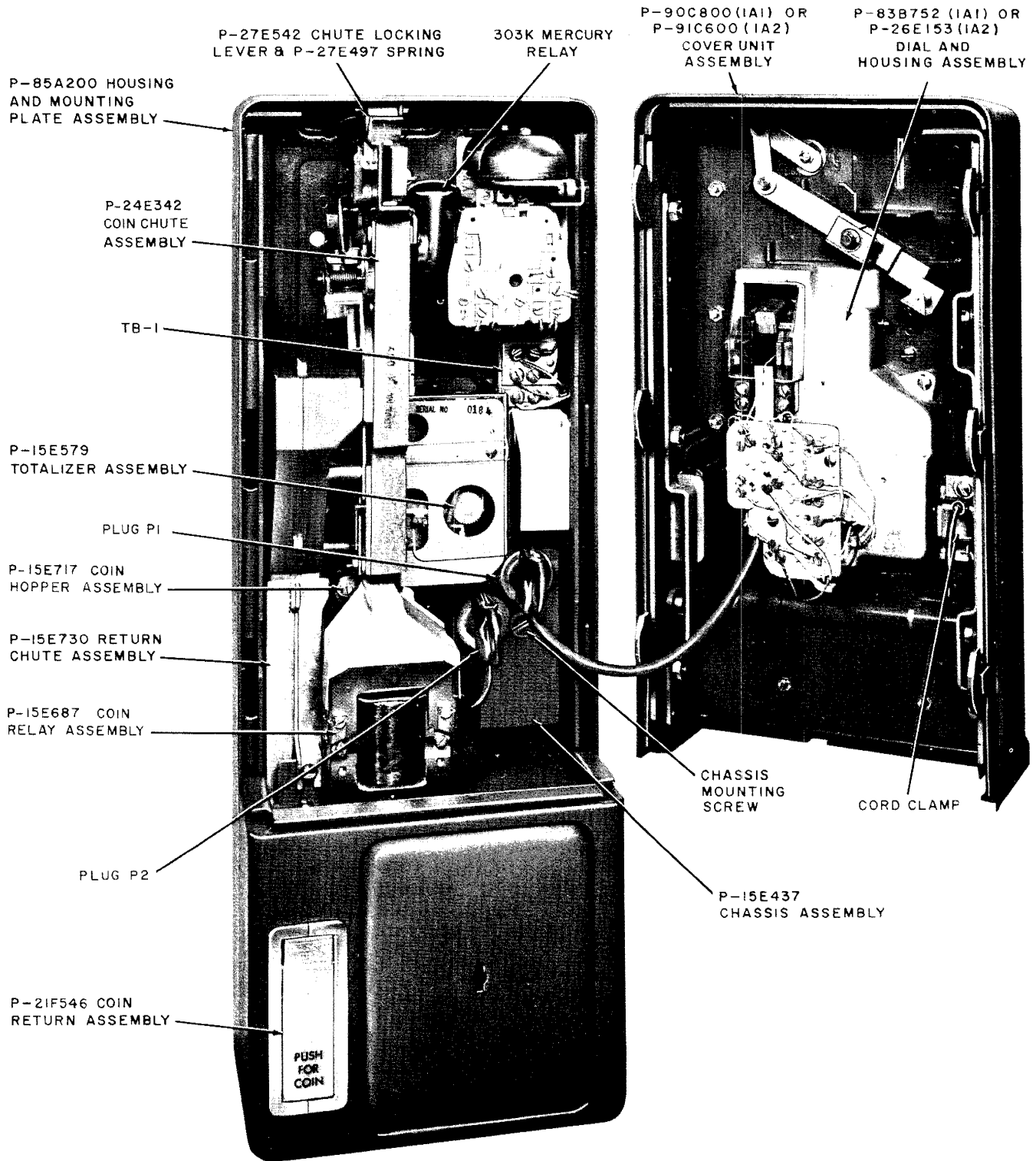


Fig. 3 — Assembly of Parts (Typical)

3. COLOR

Table A
COLOR ORDERING GUIDE

COLOR	HOUSING AND MTG PLATE ASSEM	COVER UNIT ASSEM	NUMBER PLATE ASSEM (1A1 ONLY)	DIAL AND HOUSING ASSEM	HANDSET
Black - 03	•	•			
Moss Green - 51	•	•			
Gray - 52			•	•	•
→ Chrome - 44	•	•			

4. DESIGN FEATURES

- (a) Used only with dial prepay coin trunks.
- (b) All parts are contained in a high-security steel housing.
 - Cover unit assembly has six locking points actuated by a 719A tool.
 - Cover unit assembly is secured by 29A lock plus 719A tool.
 - Cash compartment door has four locking points actuated by a 719A tool.
 - Cash compartment door is secured by 14D or 30A lock plus 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.

- (i) ID 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.
- (k) Equipped for using 1A alarm switch kit.

5. OPERATING FEATURES

5.01 Each 1A-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.

5.02 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



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

indicates that coins are being deposited and false tones are not being generated.

5.03 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.

5.04 Coins deposited on long distance calls are identified by beep tones (5.02) which are audible only to the operator.

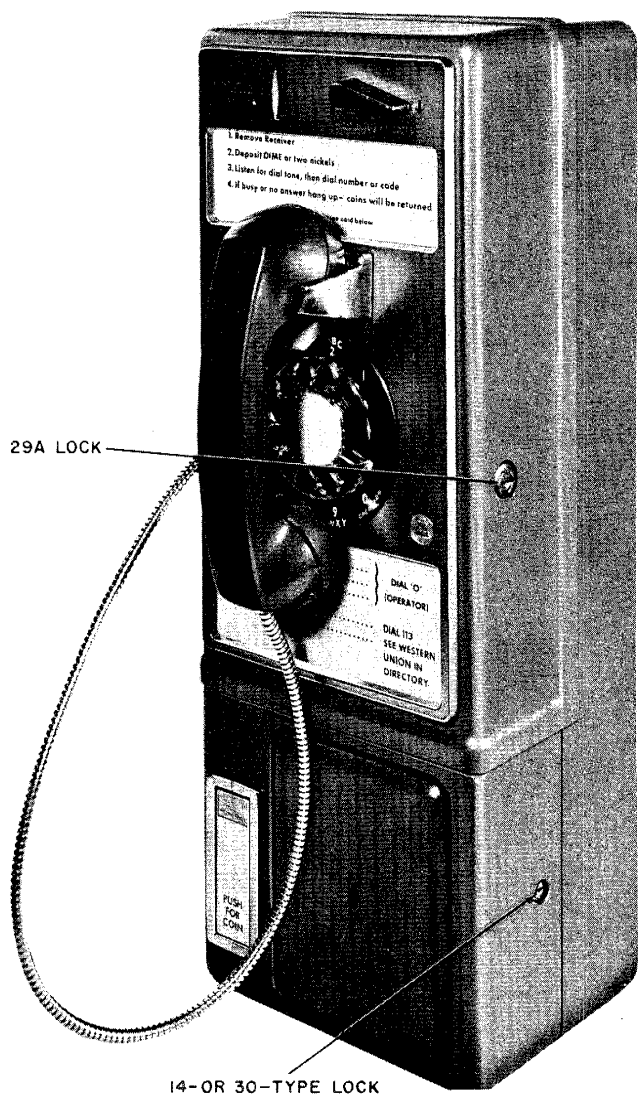


Fig. 4 — Location of Locks

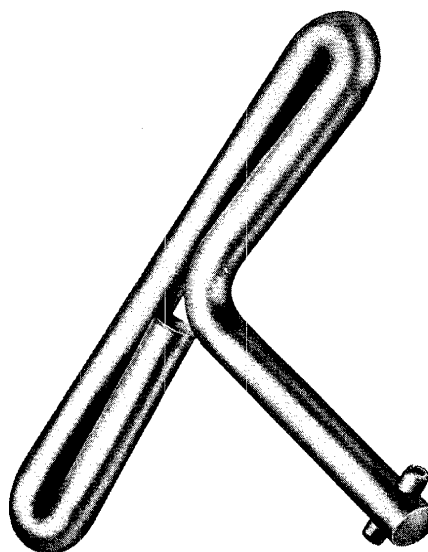


Fig. 5 — 719A Tool

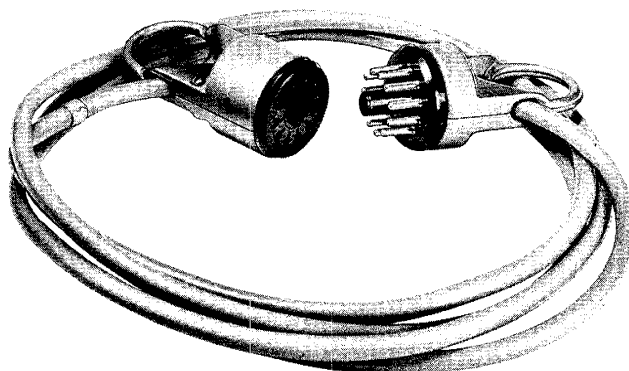


Fig. 6 — P11C Test Cord