

TELEPHONE SET BASES—KIT PLAN

IDENTIFICATION, INSTALLATION, CONNECTIONS, AND MAINTENANCE

1. GENERAL

1.01 This section is reissued to:

- Add information on 7 and 9 dial adapter parts
- Revise Tables A, B, and C

1.02 The kit plan provides for a vehicle stock of telephone set components to fulfill a majority of the daily *unknown* set installation requirements and maintenance of general purpose telephone sets. ♦The kit plan uses spade-tipped cords. It is not to be confused with the modular plan for residential telephone sets, which use miniature jacks and plug-ended cords but is similar to the kit plan. For a general description of the modular plan for residential telephone sets, refer to Section 503-100-100.♦

1.03 Under the kit plan certain telephone set bases together with a kit which consists primarily of new color components, and a handset equipped with a handset cord are separately packaged to be field assembled.

1.04 The following type telephone sets assembled in the field from bases and other components are included in the kit plan.

- Rotary Sets—Desk and Wall 500D/554B
- PRINCESS® Sets—Rotary and TOUCH-TONE® sets 702B/2702B
- TOUCH-TONE Sets—Desk and Wall 2500D/2554B
- Telephone Bases—AC1, ♦AC1M, AD1, and AD1M♦

2. IDENTIFICATION

Ordering Guide, See Table A

Universal Dial Number Plate, See Table B

3. INSTALLATION



A telephone set should be assembled from component parts listed in Table A when the required telephone set is not available on the service truck.

DESK-TYPE SETS

3.01 To assemble a 500-type telephone set:

- (a) A package of dial adapter parts for a 9- or 7-type dial will be packed with the base depending on type dial on the base.
- (b) **9-Type Dial:** When a single letter code 9-type dial, such as 9C, is installed, a universal dial number plate (Table B and Fig. 1 and 2) along with a P-11E297 lock ring, P-44E351 fingerstop, and P-11E007 fingerwheel from a 9 dial adapter (Fig. 4) are required. When a multiple letter code 9-type dial, such as 9CA and 9CAM, is installed, a universal dial number plate (Table B and Fig. 1 and 2) along with an 840158372 fingerstop and P-11E007 fingerwheel from a 9 dial adapter (Fig. 4) are required. Provide a station number card
- (c) **7-Type Dial:** When it is necessary to replace a number plate, install a universal number plate (Table B and Fig. 5) with required parts from a 7 dial adapter (Fig. 6). The 7 dial adapter and universal number plate are each ordered separately.

Note: P-21F244 finger stop and P-174053 screws included in 7 dial adapter are not required when installing universal dial number plate.

Note: The protrusion of the finger stop (part of the dial frame) shall be removed in such a manner that the remaining top surface shall not project above the lip of the frame.

- (d) Install new universal number plate using 840699979 lock ring as shown in Fig. 5.

SECTION 503-100-110

Install new P-11E206 clamp plate (when replacing metal fingerwheel with a plastic fingerwheel) and 840161285 finger stop from adapter parts. Using washer and fingerwheel nut, fasten clamp plate to dial. Install station number card on new P-11E007 fingerwheel and install fingerwheel on dial. Replace housing on set.

Note: See Section 501-162-101 for 9-type dial assembly and Section 501-162-100 for 7-type dial assembly.

3.02 *To assemble a nonmodular 2500-type telephone set:*

- (a) Install handset and mounting cords. Current model C4A ringers are equipped with a boss to retain the handset cord. Secure cord staybands to base (Fig. 8). Connect leads per Table C and place end of cord under ringer frame or boss.
- (b) Provide station number card.

3.03 *To assemble nonmodular 702- or 2702-type telephone set:*

- (a) Remove dial from base without disconnecting leads and lay to side. Install handset and mounting cords, secure staybands to base (Fig. 9). Connect leads per Table C and replace dial.
- (b) Install housing.
- (c) Remove fingerwheel (702-type) or retainer (2702-type) and provide station number card.

WALL-TYPE SETS

3.04 *To assemble nonmodular 554-type telephone set:*

- (a) Install dial parts in same manner as for 500-type telephone (3.01).
- (b) Install handset cord and connect leads per Table C. Loosen left ringer mounting screw and lift ringer to ease installation of cord. Secure handset cord stayband to base.
- (c) Install housing.

3.05 *To assemble nonmodular 2554-type telephone set:*

- (a) Install handset cord and connect leads per Table C and secure handset cord stayband to base.
- (b) Remove station number card retainer from housing to expose mounting screws.
- (c) Install housing to base, provide station number card, replace retainer.

TELEPHONE BASES

3.06 *To assemble AC1M or AD1M telephone base:*

- (a) Remove station number card retainer from housing to expose mounting screws.
- (b) Install housing to base, provide station number card, replace retainer.

Note: Current model AC1 and AD1 telephone base housings are equipped with a station number card retainer, early models with a cover. The station number card may be installed with the associated hand telephone set or on the base depending on the customer's preference.

4. CONNECTIONS

4.01 Table C lists the internal telephone set connections to be made when the handset cords, mounting cords, or inside wiring leads are to be terminated.

5. MAINTENANCE

5.01 The kit plan requires complete interchangeability between base, housing, and handset. Check line switch plunger for proper operation when handset is placed in on-hook and off-hook condition. Make normal station tests as required per local instructions.

5.02 Handsets, dials, ringers, etc, used in these sets should be maintained in accordance with section covering the particular item.



Defective components are to be tagged and returned to Western Electric Company per local instructions.

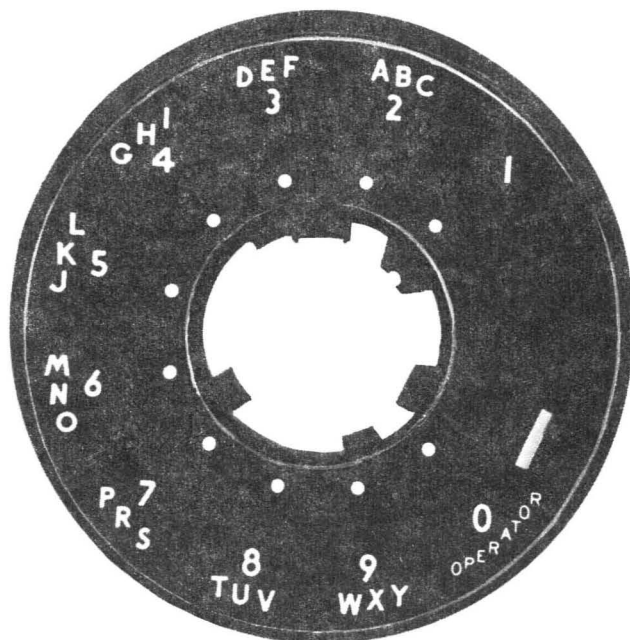


Fig. 1—Universal Dial Number Plate (840677000)

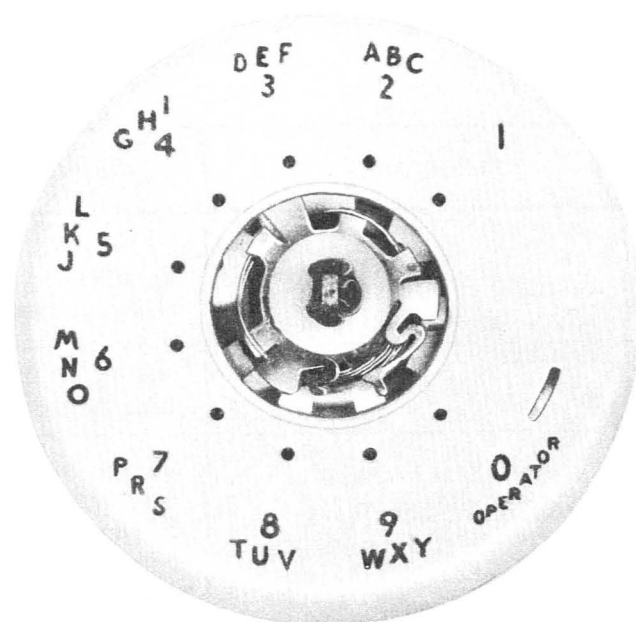


Fig. 3—Universal Dial Number Plate with 9CA Dial

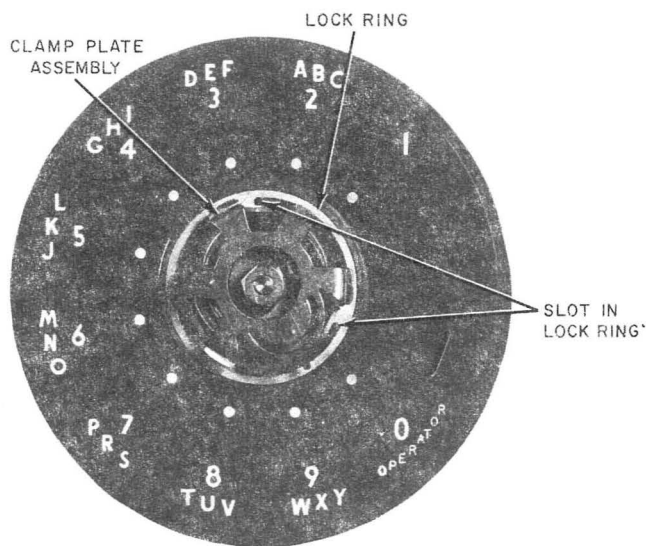


Fig. 2—Universal Dial Number Plate With 9C Dial

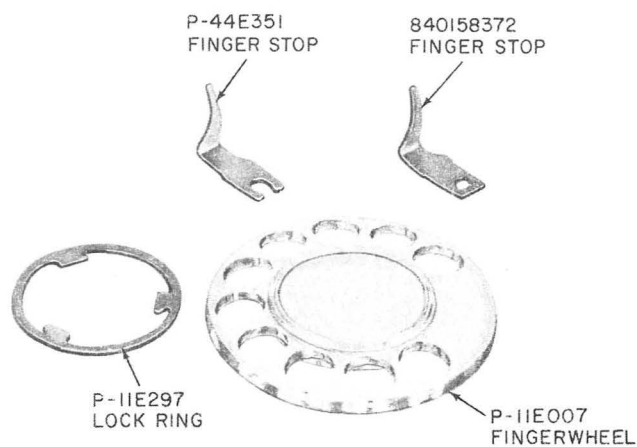


Fig. 4—9 Dial Adapter Parts

◆ TABLE A ◆

ORDERING GUIDE

| TEL. SET BASE | HOUSING* | MTG CORD | HANDSET* | HANDSET CORD* |
|--|---|--------------------------|---|-----------------------------------|
| 500D1M Includes 9 (Fig. 4) and 7 (Fig. 6) Dial Adapter Package | 500D1- Includes Universal Dial Number Plate and P-17A422 Ring Assembly | D3BN-29 | G3A6- or G3A12- | H4CJ- (6 or 12 foot length) |
| 554B1M Includes 9 (Fig. 4) and 7 (Fig. 6) Dial Adapter Package | 554B1- Includes Universal Dial Number Plate and P-17A422 Ring Assembly | | | |
| 702B1M | 702B1- | D4BT-29 or D5AK-29 | | |
| 2500D1M | 2500D1- Includes P-86D5- Faceplate P-25E803 Retainer | D3BN-29 | | |
| 2554B1M | 2554B1- Includes P-44E773 Screws (2) P-25E803 Retainer | | | |
| 2702B1M | 2702B1- Includes P-25E803 Retainer | D4BT-29 or D5AK-29 | | |
| AC1M and AD1M Telephone Base | AC1- or AD1- Includes P-25E803 Retainer | D5AL-87 (AD1 Only) | 220A-* or 2220B-* Hand Tel Set | H4DB- or H5AA- |

* Add color suffix.

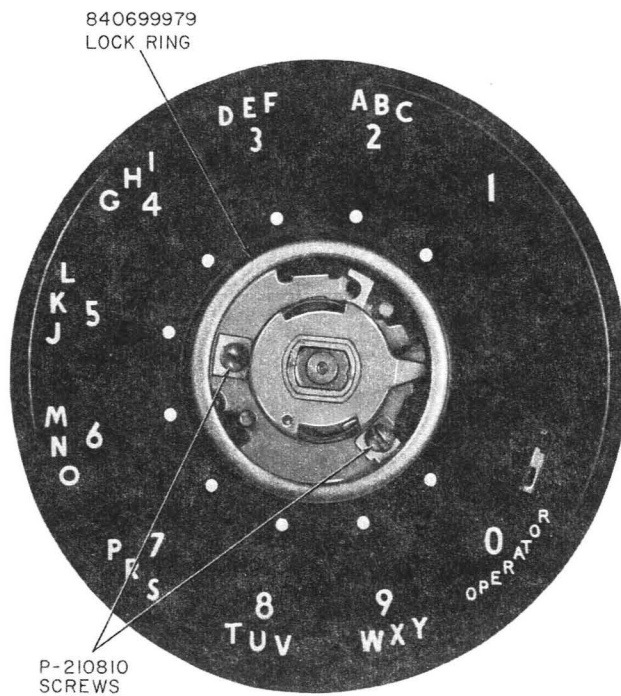


Fig. 5—Universal Dial Number Plate With 7-Type Dial

TABLE B

UNIVERSAL DIAL NUMBER PLATE

| COLOR | SUFFIX | PART NUMBER |
|-----------|--------|-------------|
| Black | -03 | 840677033 |
| Ivory | -50 | 840677504 |
| Green | -51 | 840677512 |
| Red | -53 | 840677538 |
| Yellow | -56 | 840677561 |
| White | -58 | 840677587 |
| Lt. Beige | -60 | 840677603 |
| Aqua Blue | -62 | 840677629 |

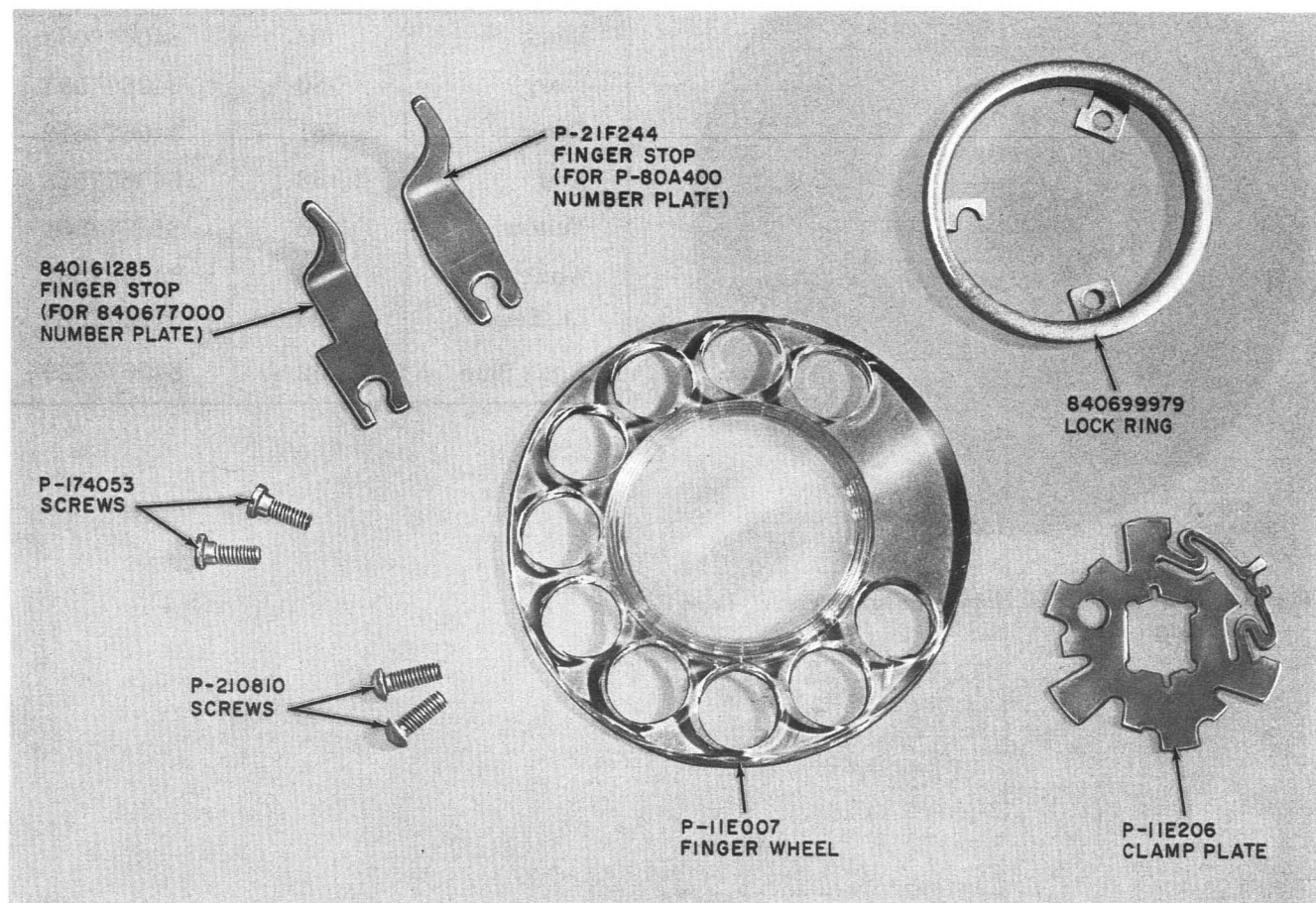


Fig. 6—7 Dial Adapter Parts

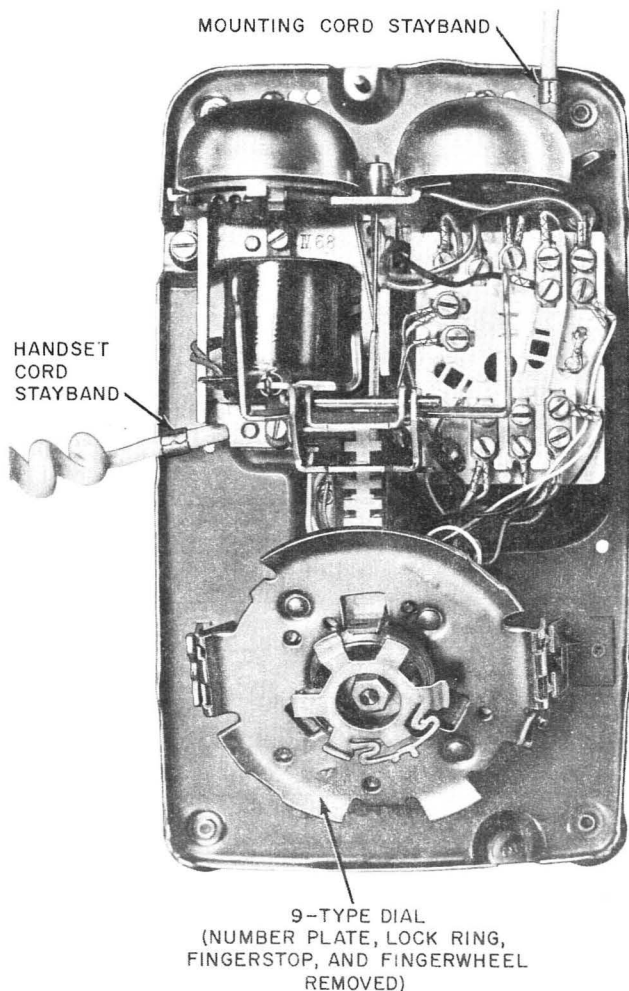


Fig. 7—500-Type Telephone Set (Interior View)

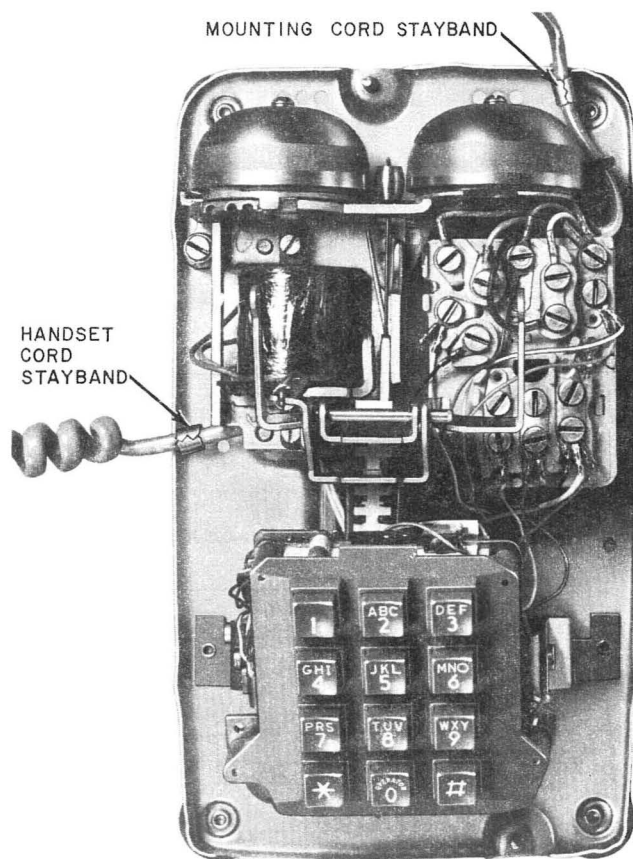


Fig. 8—2500-Type Telephone Set (Interior View)

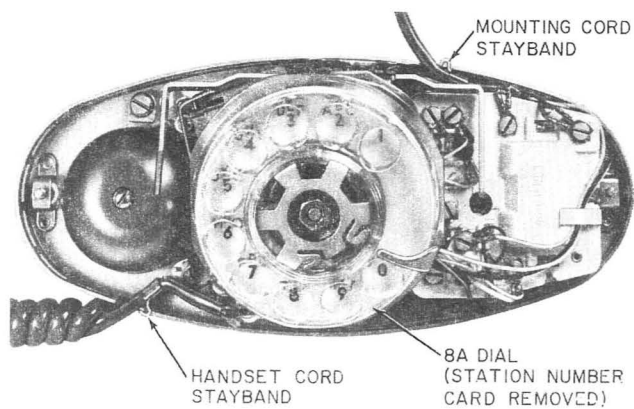


Fig. 9—702-Type Telephone Set (Interior View)

♦TABLE C♦
**HANDSET AND MOUNTING CORD
OR INSIDE WIRE CONNECTING (NOTE 1)**

| TYPE SET | HANDSET CORD | | MTG CORD OR INSIDE WIRE | |
|----------------------|--------------|--------------------------------|-------------------------|--------------------------------|
| | WIRE OR LEAD | CONNECT TO NET. OR TERM. STRIP | WIRE OR LEAD | CONNECT TO NET. OR TERM. STRIP |
| 500D 554B 702B | W | R | (Tip) G | L1 |
| | W | GN | (Ring) R | L2 |
| | R | R | (GRD) Y | G (Note 2) |
| | BK | B | W (Note 3) | 3 |
| | | | BK (Note 3) | 4 |
| 2500D | W | R | (Tip) G | L1 |
| | W | S* or 10† | (Ring) R | L2 |
| | R | T* or 11† | (GRD) Y | G (Note 2) |
| | BK | B | | |
| 2554B | W | 10 | (Tip) G | 1 or L1 |
| | W | R | (Ring) R | 2 or L2 |
| | R | 11 | (GRD) Y | 3 or G (Note 2) |
| | BK | B | | |
| 2702B | W | R | (Tip) G | L1 |
| | W | 5 | (Ring) R | L2 |
| | R | 6 | (GRD) Y | G (Note 2) |
| | BK | B | W (Note 3) | 3 |
| | | | BK (Note 3) | 4 |

*Sets equipped with 425K or 4228B network.

†Sets equipped with 425G (MD) network.

Notes: 1. Connections shown are for individual or bridged stations; for other classes of service see appropriate section for particular telephone set in Division 502.

2. Provide station ground for all installations.

3. Additional connections for 702B and 2702B sets.