

## TELEPHONE SET BASES—KIT PLAN

### IDENTIFICATION, INSTALLATION, CONNECTIONS, AND MAINTENANCE

#### 1. GENERAL

1.01 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.

1.02 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.

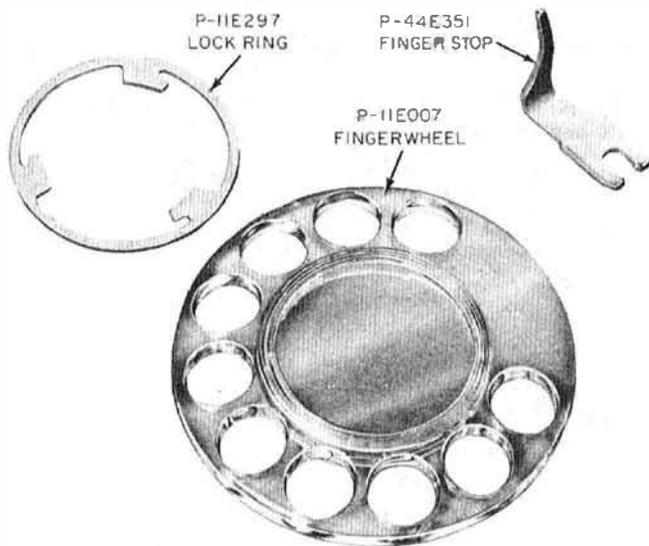


Fig. 1—9-Type Dial Adapter Parts

1.03 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/AD1

#### 2. IDENTIFICATION

Ordering Guide, See Table A

#### 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

(a) *To assemble a 500-type telephone set:*

(1) 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.

(2) 9-Type Dial: (Early version), install dial number plate (packaged with housings) finger stop, lock ring, and finger wheel (Fig. 1). (Current version) requires the two tabs with holes be broken off universal dial number plate and parts shown in (Fig. 1) be used except for P-11E297 lock ring. New P-17A422 ring assembly (Fig. 3) furnished with universal dial number plate is required. Provide station number card.

(3) 7-Type Dial: (Early Version), install dial number plate (ordered separately) using two screws from adapter parts. Install clamp plate, finger stop and finger wheel (Fig. 2). (Current version) requires the two tabs without holes be broken off universal dial number plate and parts shown in (Fig. 2) be used except for two P-174053 screws and P-21F244 finger stop. New P-17A422 ring assembly

**TABLE A**  
**ORDERING GUIDE**

BASE, SET TEL. (SEE NOTE)	500D1M INCLUDES 9-OR 7-TYPE DIAL ADAPTER PACKAGE †	554B1M INCLUDES 9-OR 7-TYPE DIAL ADAPTER PACKAGE †	702B1M	2500D1M	2554D1M	2702B1M
Housing	500D1-* Includes P-80D2-* Housing  and P-82D4-* or 840200000† (Dial) Number Plate	554B1-* Includes P-80F4-* Housing	702B1-* Includes P-89A8-* Housing	2500D1-* Includes P-83A3-* Housing P-86D5-* Faceplate P-25E803 Retainer	2554B1-* Includes P-82H6-* Housing P-44E773 Screws (2) P-25E803 Retainer	2702B1-* Includes P-84D8-* Housing  P-25E803 Retainer
Cord, Mounting	D3BN-*		D5AK-*	D3BN-*		D5AK-*
Set, Hand	G3A4-* Includes 4-Foot Spring H4CJ Cord, G3A-9* Includes 9-Foot Spring H4CJ Cord, or G3A13-* Includes 13-Foot Spring H4CJ Cord.					
Base, Telephone	AC1M AD1M	<p>Note: (Early version) When telephone base is equipped with 7-type dial, order P-80A4-* dial number plate separately.</p> <p>*Add color suffix, refer to Section 500-120-100 for color selection.</p> <p>†9-type dial adapter package (Fig. 1) consists of:</p> <ul style="list-style-type: none"> <li>• P-11E007 Fingerwheel</li> <li>• P-11E297 Lock Ring</li> <li>• P-44E351 Finger Stop</li> </ul> <p>†7-Type dial adapter package (Fig. 2) consist of:</p> <ul style="list-style-type: none"> <li>• P-11E007 Fingerwheel</li> <li>• P-11E206 Clamp Plate</li> <li>• P-174053 Screens (2)</li> <li>• P-21F244 Finger Stop (for use with P-82D4-* number plate)</li> <li>• 840161285 Finger Stop [for use with 840200000 (universal) number plate]</li> </ul>				
Housing	AC1-* Includes P-25E803 Retainer  AD1-* Includes P-25E803 Retainer					
Set, Telephone, Hand	220A-*, 1220A-*, or 2220B-*					
Cord, Handset	H4DB-* or H5AA-*					
Cord, Mounting, AD1 Base	D5AL-*					

and 840161285 finger stop (Fig. 2) are required. Provide station number card.

**Note:** The protrusion of the finger stop support (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.

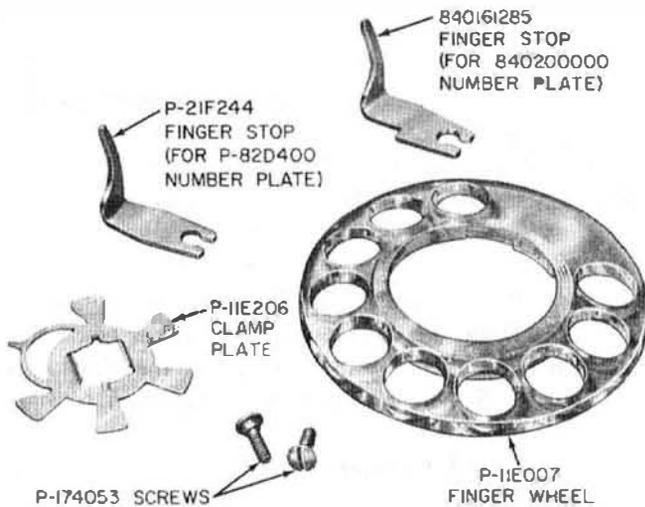
(4) Install handset and mounting cords.  
Current model C4A ringers are equipped with a boss to retain the handset cord. Secure cord staybands to base (Fig. 4). Connect leads per Table C and place end of cord under ringer frame or boss.

(5) Install housing.

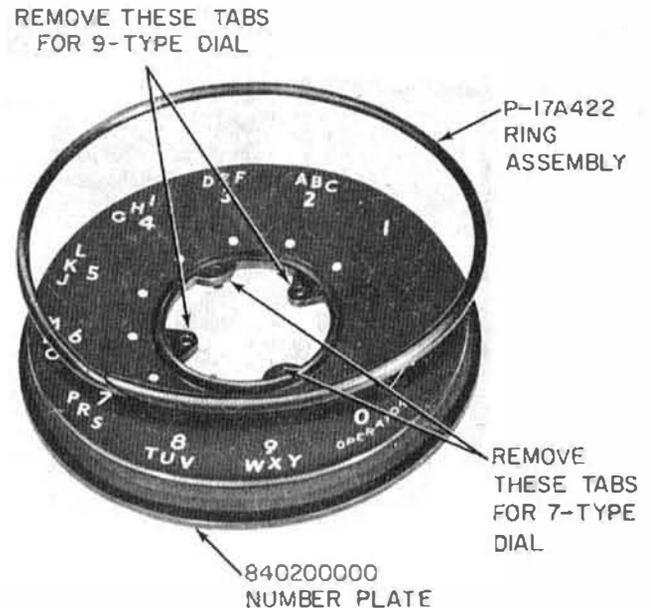
**Note:** See Section 501-162-101 for 9-type dial assembly and Section 501-162-100 for 7-type dial assembly.

**TABLE B**  
**NUMBER PLATE**  
**(UNIVERSAL DIAL)**

COLOR	SUFFIX	PART NUMBER
Black	-03	840200034
Ivory	-50	840200505
Green	-51	840200513
Red	-53	840200539
Yellow	-56	840200562
White	-58	840200588
Rose Pink	-59	840200596
Lt. Beige	-60	840200604
Lt. Gray	-61	840200612
Aqua Blue	-62	840200620
Turquoise	-64	840200646



**Fig. 2—7-Type Dial Adapter Parts**



**Fig. 3—Universal Dial Number Plate and Ring Assembly**

(b) *To assemble a 2500-type telephone set:*

(1) 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. 5). Connect leads per Table C and place end of cord under ringer frame or boss.

(2) Provide station number card.

(c) *To assemble 702- or 2702-type telephone set:*

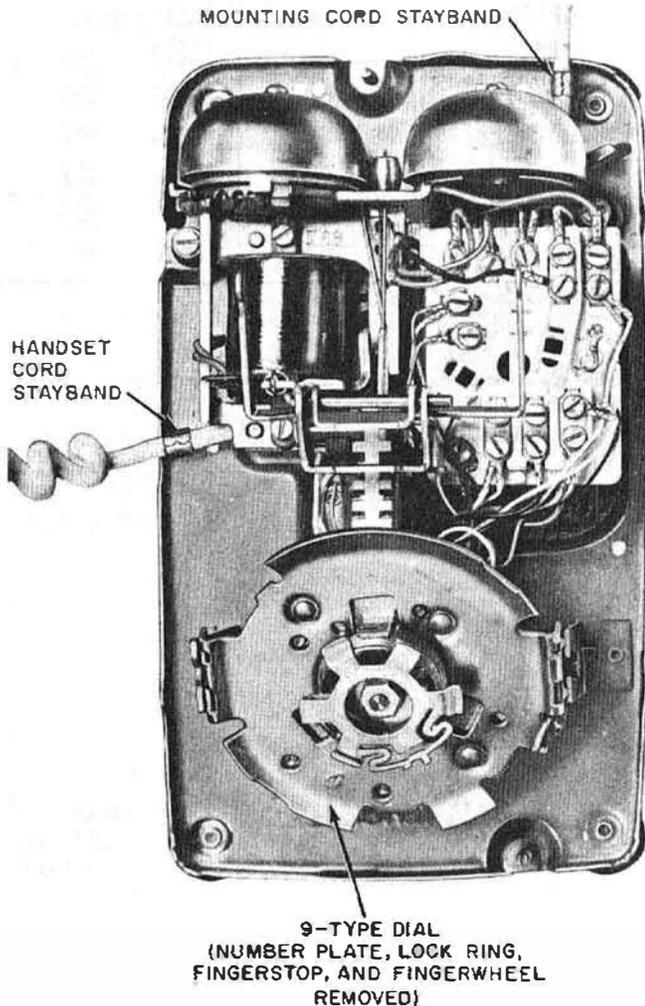
(1) Remove dial from base without disconnecting leads and lay to side. Install handset

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and mounting cords, secure staybands to base (Fig. 6). Connect leads per Table C and replace dial.

(2) Install housing.

(3) Remove fingerwheel (702-type) or retainer (2702-type) and provide station number card.

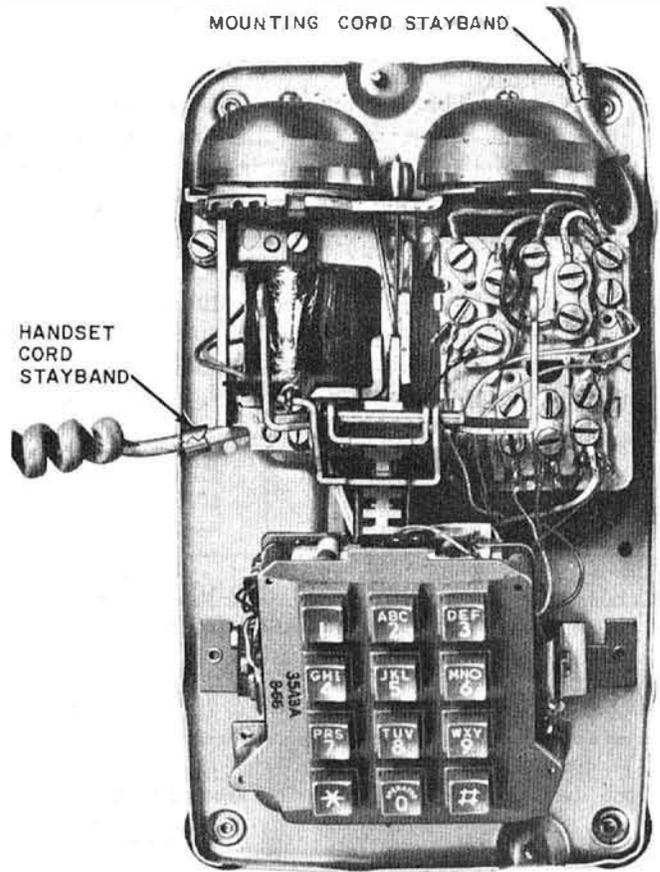


**Fig. 4—500-Type Telephone Set (Interior View)**

### WALL-TYPE SETS

(d) *To assemble 554-type telephone set:*

(1) Install dial parts in same manner as for 500-type telephone [refer to Part 3 (b)].



**Fig. 5—2500-Type Telephone Set (Interior View)**

(2) 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.

(3) Install housing.

(e) *To assemble 2554-type telephone set:*

(1) Install handset cord and connect leads per Table C and secure handset cord stayband to base.

(2) Remove station number card retainer from housing to expose mounting screws.

(3) Install housing to base, provide station number card, replace retainer.

(f) **To assemble AC1M or AD1M telephone base:**

- (1) Remove station number card retainer from housing to expose mounting screws.
- (2) 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

- (a) 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

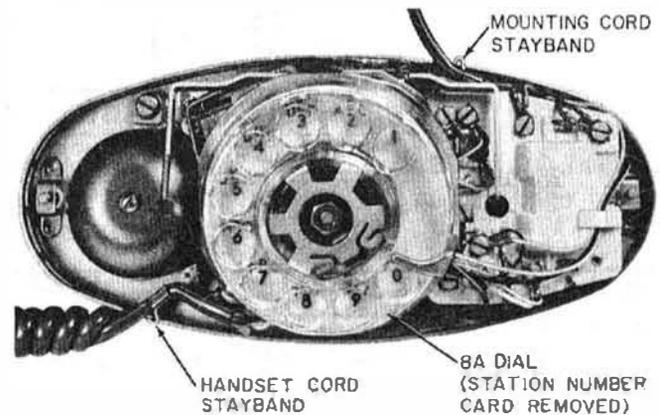
- (a) The kit plan requires complete interchangeability between base, housing, and handset. Check line switch plunger for proper operation when

handset is placed in on-hook and off-hook condition. Make normal station tests as required per local instructions.

- (b) 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 with white linen tags and marked "Return to Western Electric Company for repairs."**



**Fig. 6—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
	W	R	(Ring) R	2
	R	11	(GRD) Y	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 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. If ground not required for service, it can be omitted.
3. Additional connections for 702B and 2702B sets.