

STATION DIALS  
9-TYPE  
IDENTIFICATION AND MAINTENANCE

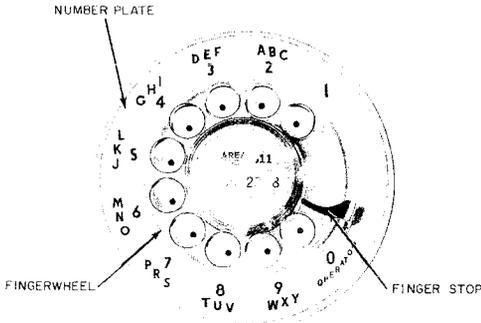


Fig. 1 — 9-Type Dial, Front View

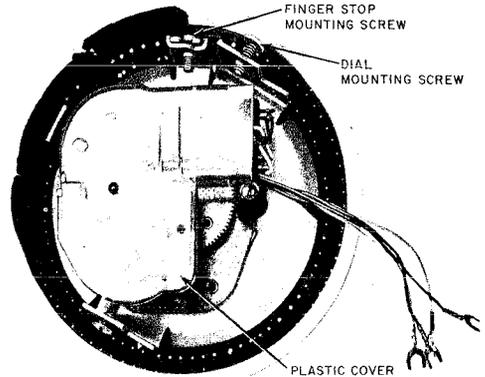


Fig. 2 — 9-Type Dial, Rear View

1. GENERAL

1.01 This section is reissued to:

- Revise illustrations
- Revise text

2. PURPOSE

To provide a direct replacement for 7-type dials.

3. ORDERING GUIDE

- Refer to Table A for components

TABLE A\*  
COMPONENT ORDERING GUIDE

REPLACEABLE COMPONENTS	DIAL						
	9C	9H	9K	9L	9M	9N	9P
Cover, Plastic	P-11E300	P-11E300	P-11E300	P-11E300	P-11E300	P-21F157	P-11E300
Plate, Clamp	P-44E348						
Plate, Number	P-82D400†	P-82D400†	P-82D500†	P-82D600†	P-82D400†	P-83D400†	P-82D400†
Stop, Finger	P-44E351						
Wheel, Finger	P-11E007						

\*Refer to Table B for color selection.

†Add suffix for desired color.

SECTION 501-162-101

4. COLOR

TABLE B  
COLOR ORDERING GUIDE\*

COLOR	DIAL						
	9C-	9H-	9K-	9L-	9M-	9N-	9P-
Black —03	•	•	•	•	•	•	•
Ivory —50	•	•					
Moss Green —51	•	•					
Red —53	•	•					
Pastel Yellow —56	•	•					
White —58	•	•	•			•	
Rose Pink —59	•	•					
Lt. Beige —60	•	•					
Lt. Gray —61	•	•				•	
Aqua Blue —62	•	•					
Turquoise —64	•	•					

\*Refer to Section 500-120-100 for promoted colors.

5. APPLICATION

TABLE C

DIAL	SCHEMATIC FIG.	PULSES PER SECOND	REPLACES	USE
9C	3A	10	7A, 7C, 7D	General station sets. With colored sets or illuminated dial sets designed for 2-post mounting.
9H	3B	10	7E, 7G, 7H	Has two pair of off-normal contacts designed for speaker-phone systems. Also used on 532-, 533-, 535-, and 536-type telephone sets.
9K	3B	10	7K	Modular telephone panels
9L	3B	10	7L	Data set 101A. 691A subscriber set.
9M	3A	10	—	525-type telephone sets.
9N	3B	10	—	568N telephone set. 817A1 data auxiliary set.
9P	3C	10	—	529B telephone set.

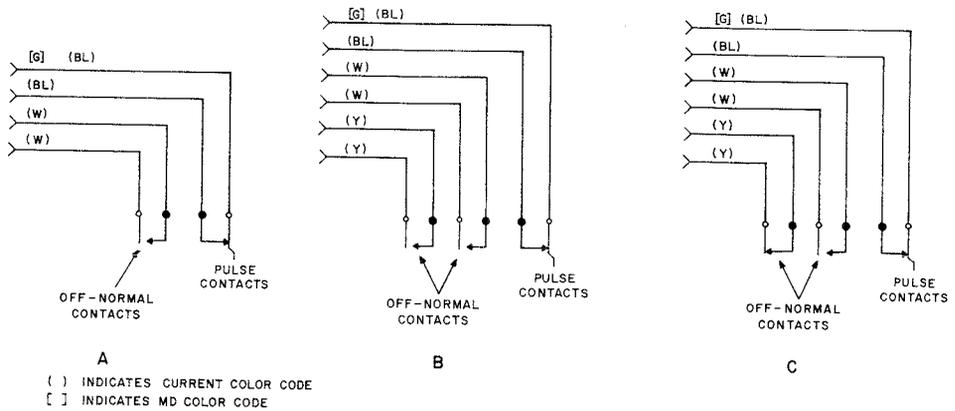


Fig. 3 — Dial Contact Schematics

## 6. MAINTENANCE

(a) Replaceable Apparatus (Refer to Identification Section for ordering guide and color)

- Finger Stop
- Fingerwheel
- Number Plate
- Plastic Cover

(b) Parts of the dial shall not be broken or missing.

(c) The finger stop shall not be loose or damaged.

- With the dial in its unoperated position, the finger stop shall not overlap the "0" hole by more than 1/32-inch.

(d) The dial shall operate smoothly without slipping or skipping.

(1) Check by operating dial several times.

- Replace dial if it fails in this requirement or is suspected of giving wrong numbers.

- Replace dial if improper dial speed or gear mesh is suspected.

(e) Do not lubricate any part of the dial.

(f) Exterior parts of the dial should be wiped with a dry KS-2423 cloth.

(g) Clean number plate with a damp KS-2423 cloth.

- If number plate cannot be cleaned or is marred or chipped, replace (see 6.03).

### PLASTIC FINGERWHEEL

6.01 To remove fingerwheel:

(1) Rotate fingerwheel as far as possible in clockwise direction.

(2) Insert KS-16750, List 2 releaser into small hole located in edge of raised center of fingerwheel (Fig. 4) and push down to disengage the fingerwheel clamp spring.

(3) When clamp spring releases, remove fingerwheel.

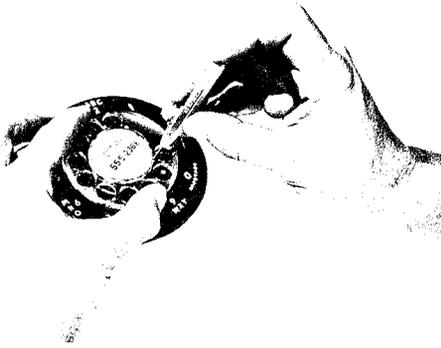


Fig. 4 — Removing Plastic Fingerwheel

**6.02** To replace fingerwheel:

- (1) Place fingerwheel over clamp with "0" hole directly over digit 9, making sure fingerwheel depressions are properly positioned on prongs of clamp plate.
- (2) Rotate fingerwheel in counterclockwise direction until clamp spring snaps into notch on underside of fingerwheel (Fig. 5).

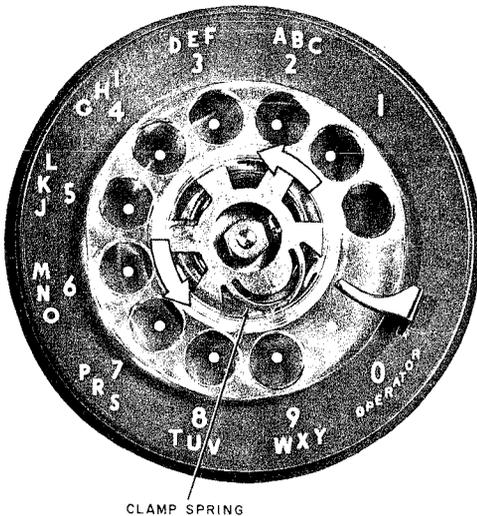


Fig. 5 — Replacing Plastic Fingerwheel

**NUMBER PLATE**

**6.03** To remove number plate:

- (1) Remove fingerwheel (see 6.01).
- (2) Remove finger stop by loosening finger stop mounting screw.

**THINK** Exercise caution to prevent screwdriver from slipping and damaging clamp plate assembly.

- (3) Insert tip of screwdriver blade into one of the three slots on the lock ring (Fig. 6).

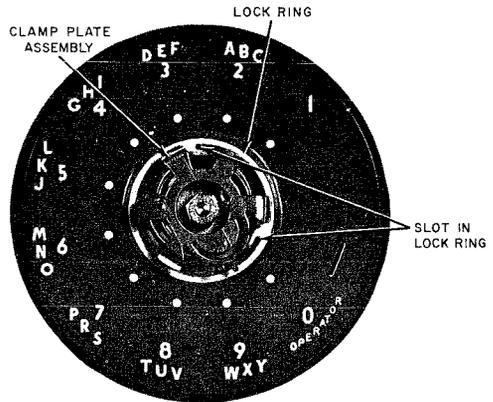


Fig. 6 — Fingerwheel and Finger Stop Removed to Show Lock Ring

- (4) Rotate lock ring as shown in Fig. 7 until it is free.
- (5) Raise lock ring until it is just under the clamp plate and slide toward the numeral 4 until the upper end of the ring can be lifted over the clamp plate (Fig. 8). Slide ring toward numeral 9 to remove.
- (6) Lift off number plate.

**6.04** To replace number plate:

- (1) Reverse procedures in 6.03.

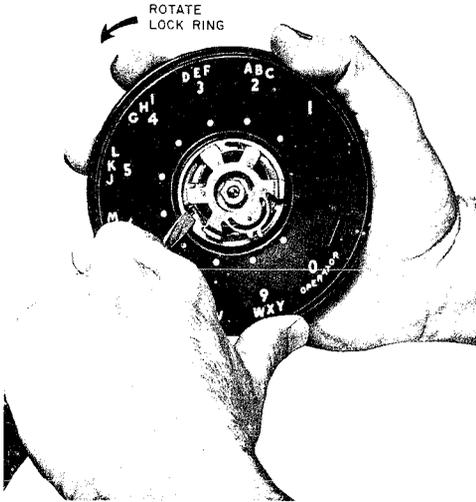


Fig. 7 — Lock Ring Removal

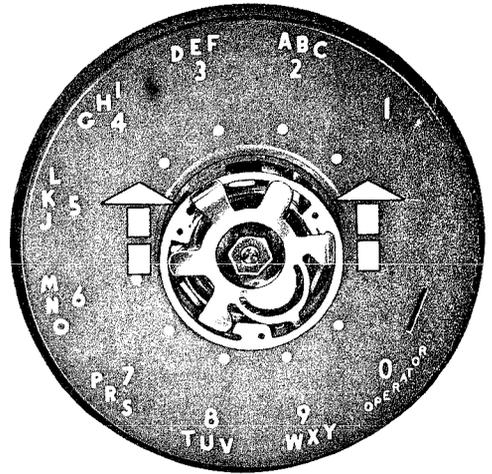


Fig. 8 — Lock Ring in Extreme Forward Position for Removal