

STATION DIALS

10- AND 11-TYPE

IDENTIFICATION AND MAINTENANCE

1. GENERAL

- 1.01** This section contains information on 10A, 10B, 10C, 10D, 10AL, and 11E dials.
- 1.02** This section is reissued to add information on 10D and 10AL dials.
- 1.03** The 10- and 11-type dials are space saver rotary dials. The 10-type dial is intended for use as a component for the 220-type hand telephone set. The 11E dial is intended for use on the 960A01M TOUCH-A-MATIC® telephone set.

2. IDENTIFICATION

A. 10-Type Dial

- 2.01** The 10-type dial (Fig. 1, 2, 3, and 4) has a plastic 2-3/8 inch diameter fingerwheel having finger holes on a 10-1/3 division spacing instead of the standard 12 division spacing of the 5- through 9-type dials.
- 2.02** The 10-type dial has a movable finger stop which moves through an arc of 52 degrees during dialing and returns to its normal position at the beginning of rundown.
- 2.03** The dial number plate is of clear plastic with characters on the underside. The number plate can be illuminated by edge lighting for night viewing. Illumination is provided by a incandescent lamp or a light emitting diode (LED).
- 2.04** The pulsing mechanism is similar to the 8-type dial; however, no shunt contact springs are provided for off-normal switching in the 10A dial.
- 2.05** The 10B differs from the 10A in that it is equipped with a set of off-normal contacts

and associated loose link to short the receiver during windup and rundown of the dial. The 10A and 10B dials are intended for use with the 220A hand telephone set.

2.06 The 10C dial is the same as the 10A dial, except the number plate has been designed for LED illumination. It is equipped with two studs for connection to 854AL network and intended for use with the 220AL hand telephone set.

2.07 ♦The 10D dial is the same as the 10A except the number plate has been designed for LED illumination and the plastic protective cover is deleted. This dial is intended for use with the 220C hand telephone set.

2.08 The 10AL dial is the same as the 10A except the number plate has been designed for LED illumination and is used with the 220AL hand telephone set.♦

B. 11E Dial

2.09 The 11E dial (Fig. 5) gear train and contact spring assemblies are the same as those in the 10B dial.

2.10 The 11E dial has a spun aluminum number plate with black dots. The number plate is protected by a clear plastic coverplate.

3. MAINTENANCE



Do not attempt to remove the fingerwheel, finger stop, number plate, and number card. Replace the 11E dial if any of these items are damaged or marred. Replace the hand telephone set if any of these components of the 10-type dial are damaged or marred. The dial

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can unwind and become inoperative in the process of replacing the items.

3.01 The dial shall operate smoothly without slipping or skipping pulses. Check by operating dial several times. Replace the 11E dial if the dial fails this requirement or is suspected of giving wrong numbers. Similarly, if the 10-type dial in the hand telephone set fails to meet these requirements replace the hand telephone set.

3.02 No provisions are made for field adjustment of dial speed or dial gear mesh. Replace the 11E dial if improper dial speed or gear mesh is suspected. Similarly, if the 10-type dial in the hand telephone set fails to meet these requirements, replace the hand telephone set.

3.03 The finger stop should operate smoothly with the fingerwheel.

3.04 Do not lubricate any part of the dial.

3.05 Exterior parts of the dial may be wiped with a dry KS-2423 cloth.

Note: The dial cover of the 10-type dial is a component of the hand telephone set, not the dial, and must be ordered separately. Refer to Section 502-303-102 for additional information.

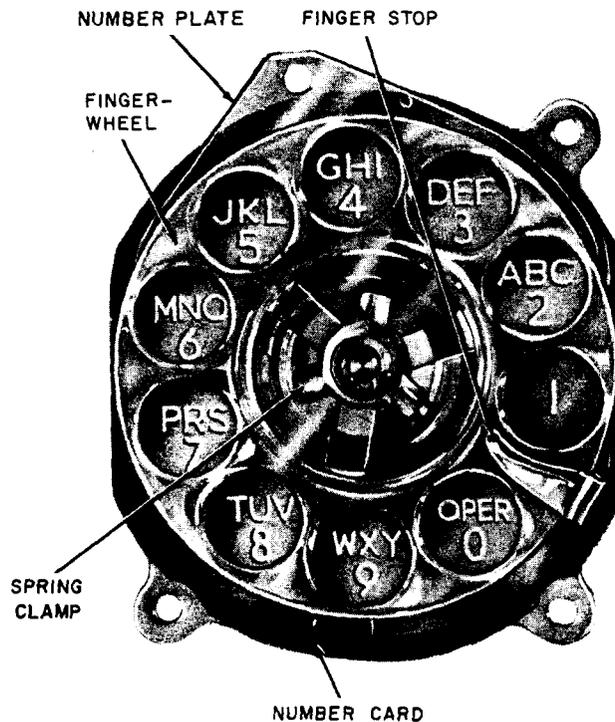


Fig. 1—10-Type Dial, Front View

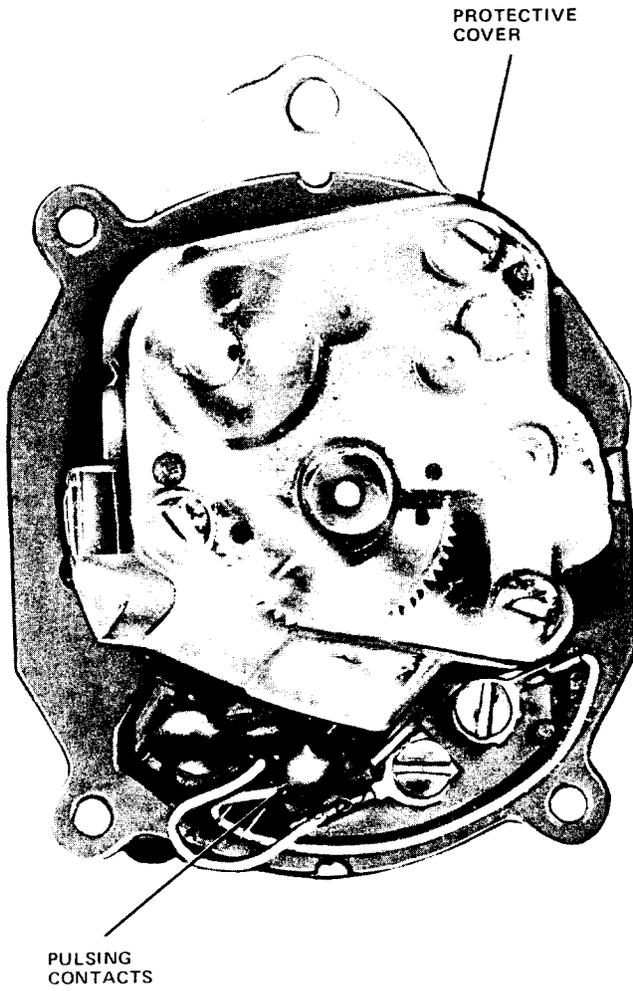


Fig. 2—10AL Dial, Rear View

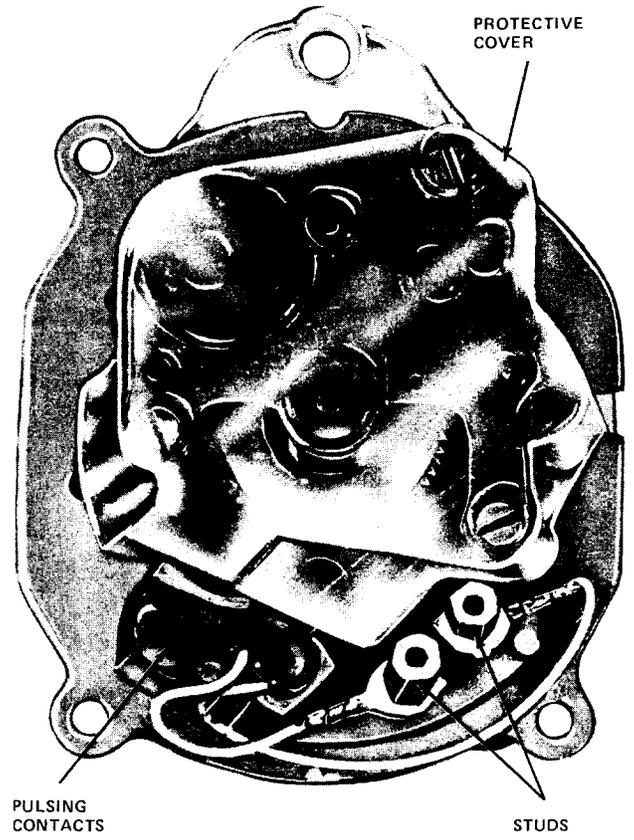


Fig. 3—10C Dial, Rear View

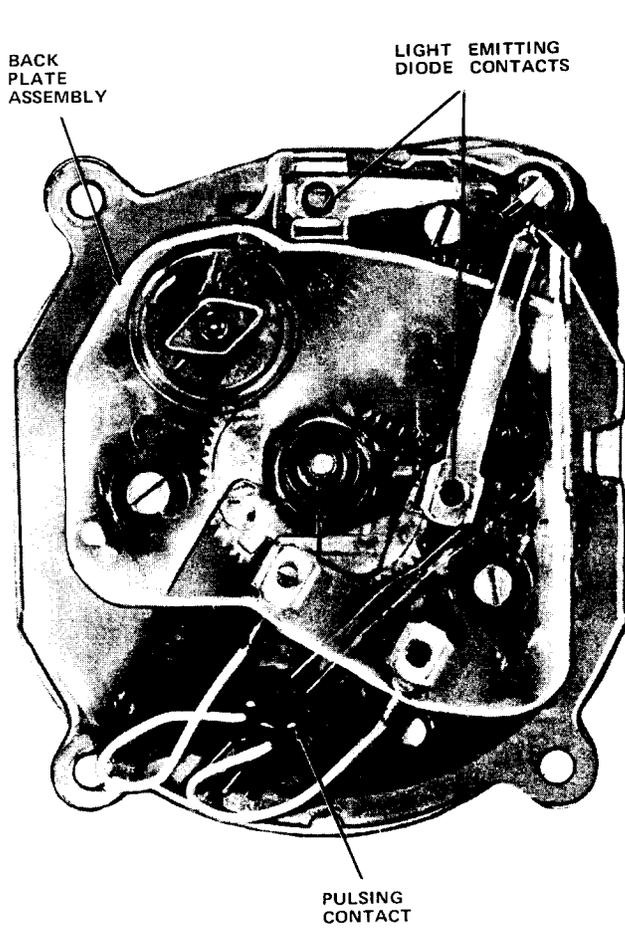


Fig. 4—10D Dial, Rear View

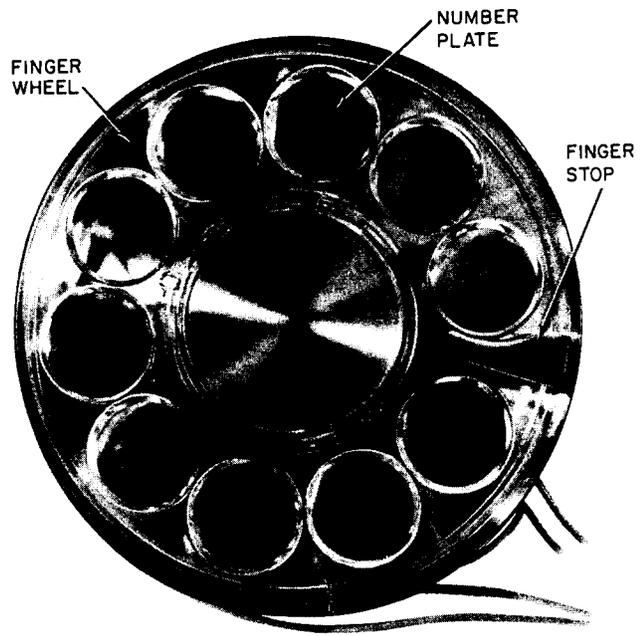


Fig. 5—11E Dial, Front View