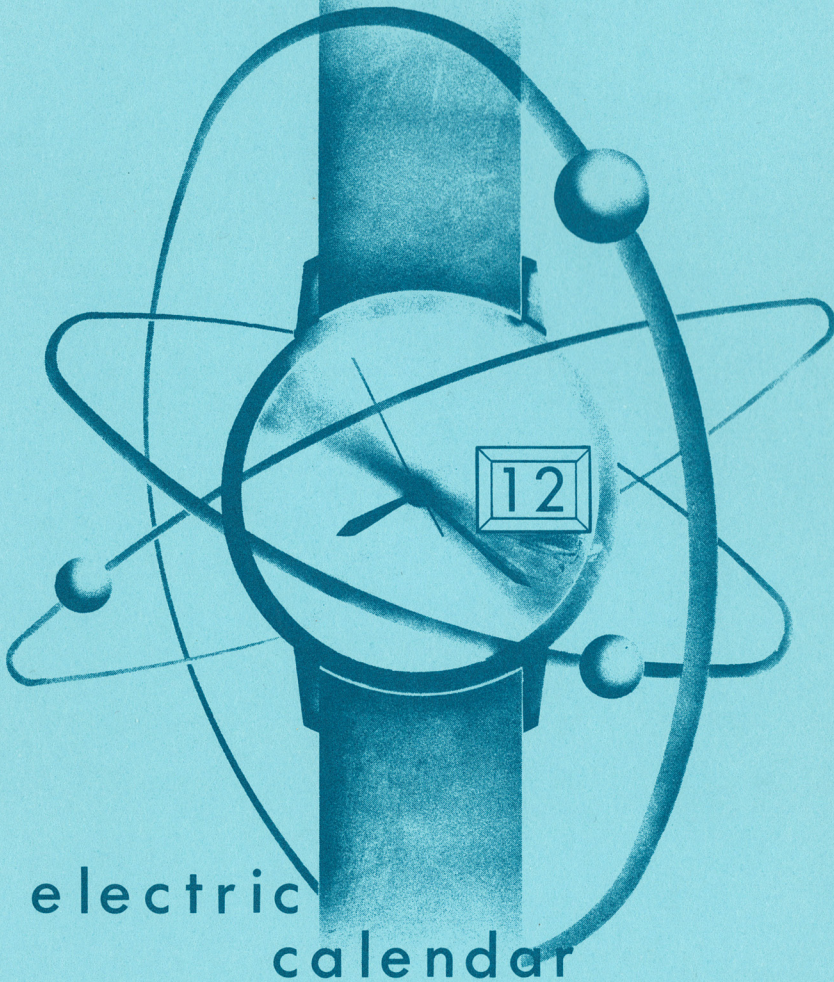


TIMEX

model

71

SERVICE MANUAL
MODEL 71



electric

calendar

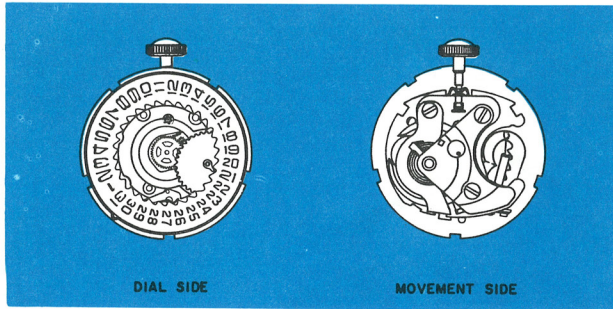
watch

9 3/4 lig.

21.84 m.m.

0.86 in.

the TIMEX Model 71 Movement

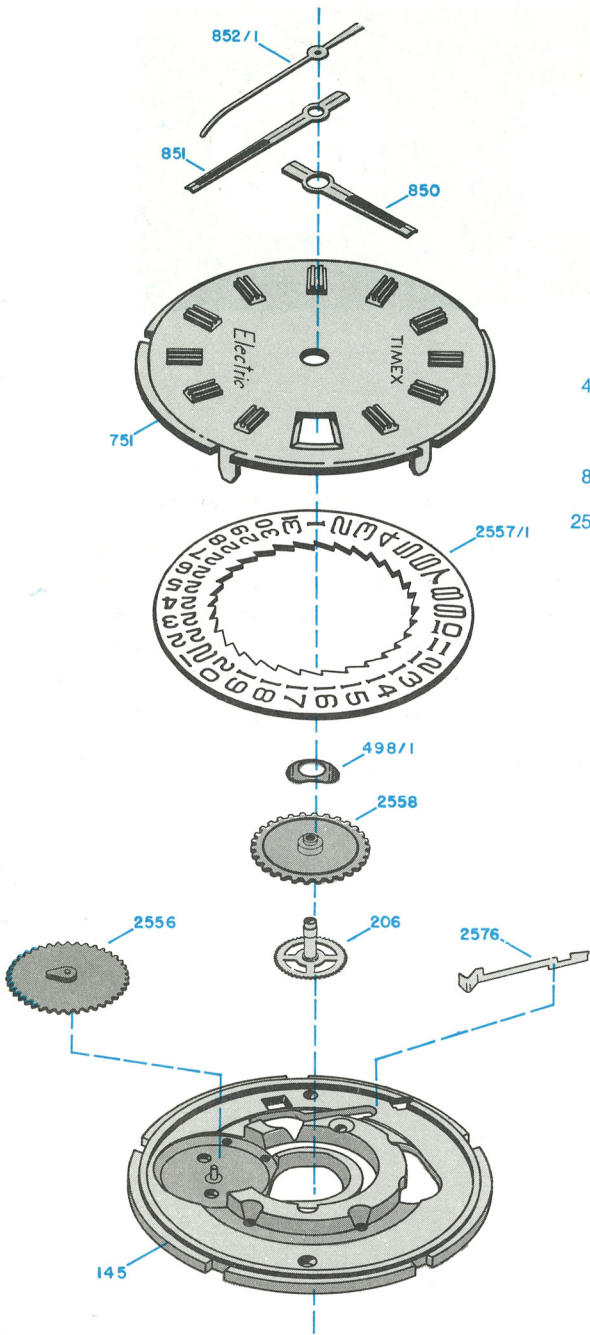


The Timex Model 71 is a $9\frac{3}{4}$ ligne round electric calendar movement.

The Model 71 movement is similar to the Model 69 movement except that a calendar mechanism has been added and a different method of stem release is used. Basic servicing techniques are the same as for the Model 69 except for removal of the crown and stem and the minute hand should be removed prior to removing the dial. The date can be set manually, either forward or backward by rotating the hands.

Since watch contains permanent magnets, no attempt should be made to demagnetize the watch.

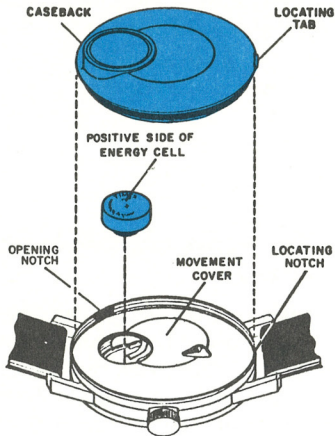
the TIMEX Model 71 Movement(exploded view)



- 145 DIAL REST
- 206 CENTER WHEEL ASS'Y
- 498/1 HOUR WHEEL WASHER
- 751 DIAL
- 850 HOUR HAND
- 851 MINUTE HAND
- 852/1 SWEEP SECOND HAND
- 2556 DATE WHEEL ASS'Y
- 2557/1 DATE RING
- 2558 HOUR WHEEL
- 2576 DETENT SPRING

Disassembly of Movement (model 71)

(To Change Energy Cell)

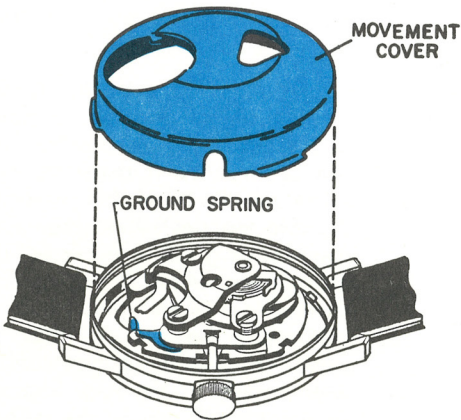


1) The energy cell is located beneath the caseback of the watch—to remove the caseback insert a knife blade under the caseback opening notch and carefully pry caseback off.

2) Remove energy cell—do not remove movement cover. Check the voltage of the energy cell. Any cell with a voltage of less than 1.30 volts (check with a meter having sensitivity of at least 20,000 ohms per volt) or one which has been in service in excess of one year should be replaced.*

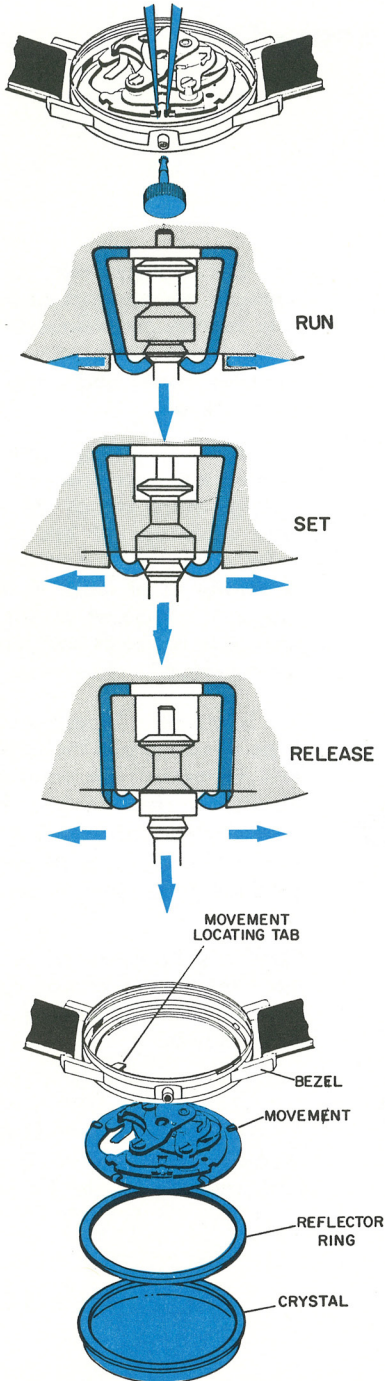
3) Insert new Timex Energy Cell Type C making sure the positive (+) side is toward the caseback (see illustration), replace back by placing locating tab of caseback in locating notch of bezel and firmly pressing back until it snaps into place.

Care must be exercised in locating the Energy Cell ground spring to assure proper grounding and no short circuits.



*WARNING—energy cell may explode if disposed of in fire or recharged.

Disassembly of Movement (model 71)



First remove caseback as shown on Page 71.3.

Next remove energy cell and movement cover. The movement cover is held in place with three tabs which seat in a recess in the bezel. The movement cover can be removed from the bezel with a slight pull.

The crown and stem must be removed to free the movement. The set stem is removed by applying outward pressure on the crown while the stem bracket is spread apart by inserting the points of a pair of tweezers between the stem and the bracket (see sketch at left). When both sides of the stem bracket have been released, the crown and stem will come out completely.

Finally, remove the crystal using a suitable crystal lift. The movement and reflector ring are now free and can be removed through the crystal side of the bezel. Before removal, note the position of the movement locating tab in the bezel and the position where it engages the movement. When reinserting the movement, be certain that the movement is in the proper location with respect to the tab. Improper positioning will prevent the reflector ring and crystal from seating properly.

Disassembly of Movement (model 71)

TO REMOVE THE DIAL

The dial assembly is held onto the dial rest by 5 bent tabs. Carefully unbend these tabs and the dial assembly will lift off the dial rest.

A finger attached to the date wheel assembly engages with and moves the date ring. A detent spring holds the date ring in position and also aids in moving the date ring. A pinion attached to the hour wheel (No. 2558 on the exploded view) engages with the date wheel assembly.

DISASSEMBLY

Use the exploded view on page 71.2 as a guide and remove sweep second and minute hands and the dial assembly. Lift off the date ring (2557/1), the date wheel assembly (2556) and the center wheel assembly (206). The movement can now be turned over and serviced following the Model 69 disassembly and reassembly procedure.

CLEANING AND LUBRICATING

All cleaning and lubricating points indicated for the Model 69 should be followed for the Model 71. Remember that the date ring actually is a printed dial and some watch cleaning fluids will strip the printing. In addition to the Model 69 lubricating points, lubricate a few teeth on the date ring and the post of the date wheel.

TO POSITION HANDS FOR PROPER DATE CHANGE

- First —Set the finger on the date wheel assembly against the date ring as shown.
- Next —Replace the dial assembly, together with the hour hand, keeping the hour hand set at the 2 o'clock position.
- Finally—Replace the minute hand and sweep hand.

(Hands may be reassembled after the dial is in place if the crown and stem is assembled and then is turned until the calendar starts to change. At this position, assemble the hands to show 12 o'clock.)

