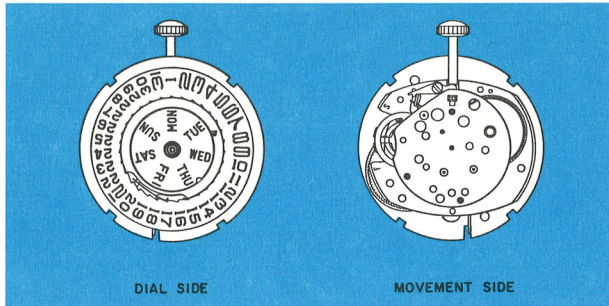


TIMEX model 27

day and date

13 lig.
28.96 mm
1.140 in.

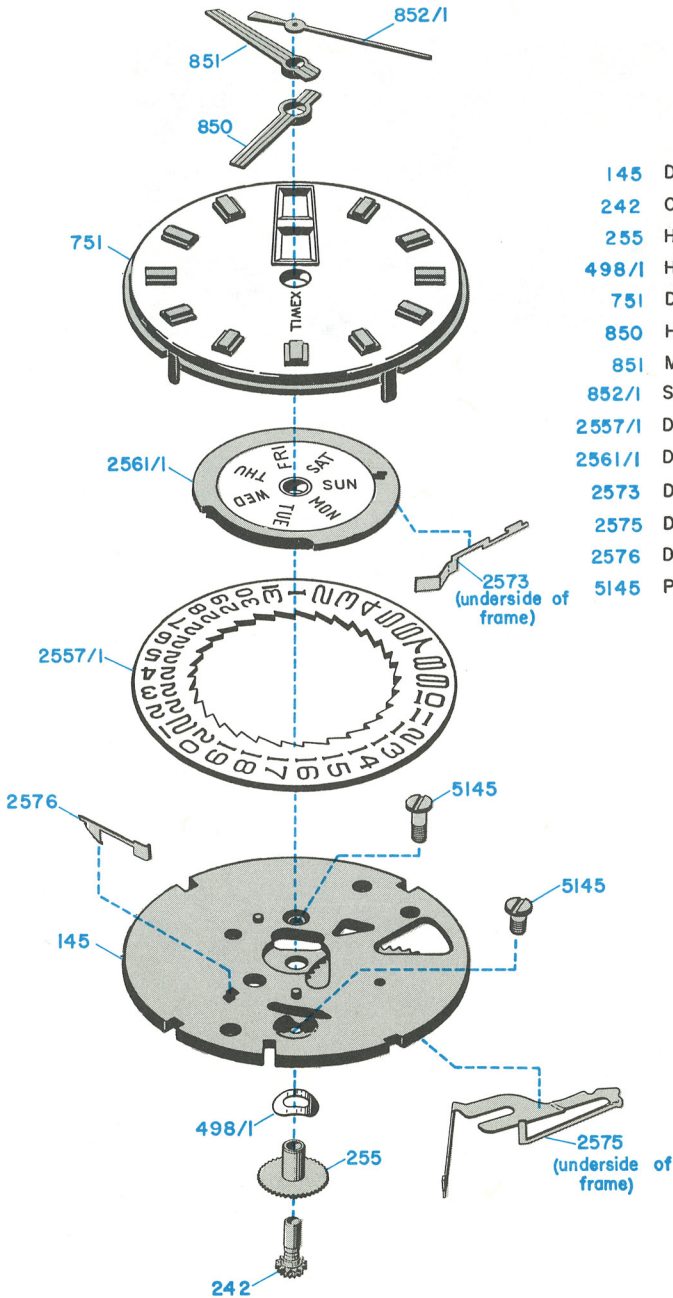
the TIMEX Model 27 Movement



The Timex Model 27 is a 13 Ligne day and date movement.

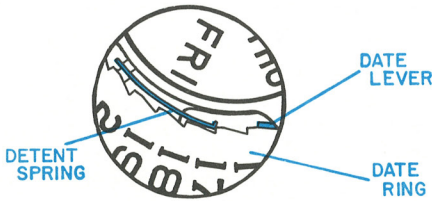
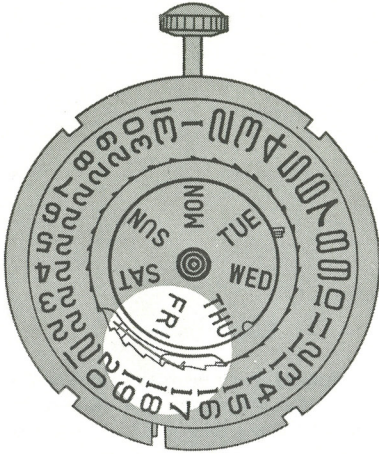
The Model 27 movement is the same as the Model 24 movement except that a day and date mechanism has been added. When the day frame assembly has been removed, basic servicing techniques are the same as for the Model 24. The day and date can be set manually.

the TIMEX Model 27 Movement(exploded view)



- 145 DIAL REST
- 242 CANNON PINION ASS'Y.
- 255 HOUR WHEEL
- 498/1 HOUR WHEEL WASHER
- 751 DIAL
- 850 HOUR HAND
- 851 MINUTE HAND
- 852/1 SWEEP SECOND HAND
- 2557/1 DATE RING
- 2561/1 DAY FRAME ASS'Y.
- 2573 DAY DETENT SPRING
- 2575 DATE LEVER
- 2576 DETENT SPRING
- 5145 PILLAR SCREW

Disassembly of Movement (model 27)

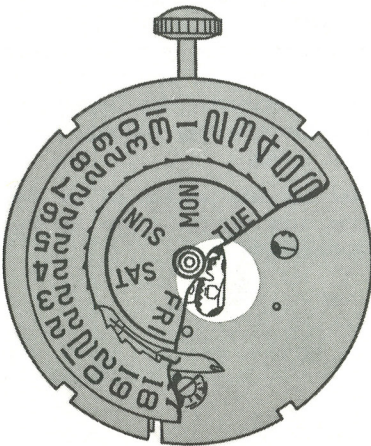


Date Ring Indexing

A finger integral with the date wheel on the underside engages and moves the date lever backward one tooth of the date ring. At a pre-determined time, the date lever is released carrying the date ring forward one tooth. A detent spring serves to prevent the date ring from backing up under shock or when the date lever is being moved.

Day Ring Indexing

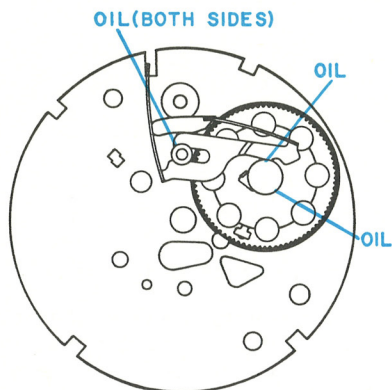
A finger integral with the date wheel on the top side engages the day pinion and moves the day ring. A detent spring holds the day ring in position and also aids in moving the day ring.



Disassembly

Use the exploded view as a guide in disassembly and assembly of the mechanism.

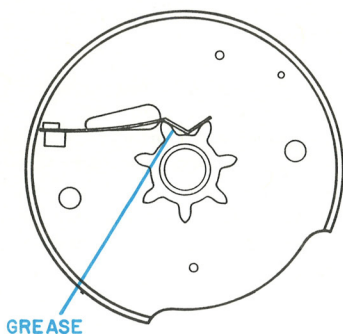
Disassembly of Movement (model 27)



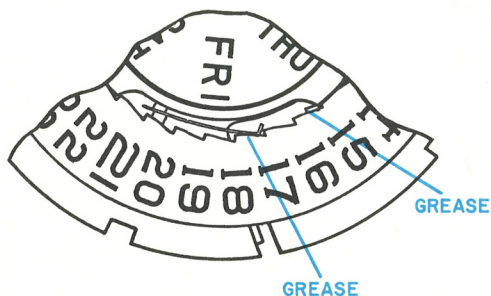
Lubricating

All cleaning and lubricating points indicated for the Model 24 should be followed for the Model 27. Remember that the day and date ring actually are printed dials and some watch cleaning fluids will strip the printing.

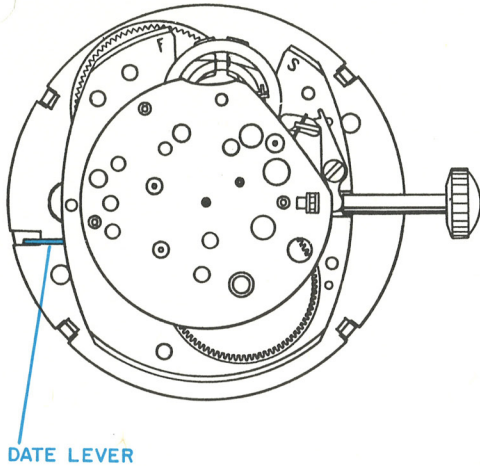
In addition to the model 24 lubricating points, the underside of the dial rest, the underside of the day frame assembly and the date ring require lubrication. The dial rest and the day frame assembly are lubricated while it is apart from the movement. The date ring must be lubricated when the mechanism is re-assembled. Points for lubrication are illustrated at left (preferred oil for lubrication Elgin M56B). (Hamilton PML Grease preferred for date ring and day frame detent spring.)



Never lubricate junction of the day pinion with the day frame for this may cause a failure.



Positioning of Hands (model 27)



To position hands for proper day and date change

- First —Hold watch assembly movement side up and crown and stem at three o'clock position. Pull out crown and stem.
- Next —Rotate crown and stem slowly and observe date lever at nine o'clock position. Date lever will then begin to move and a click will be heard. After the click rotate crown slowly until date lever snaps back. At this time stop rotating.
- Finally—Replace all hands at 12 o'clock position.