
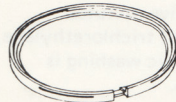

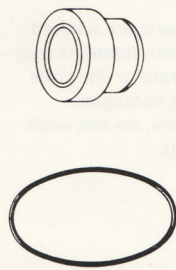
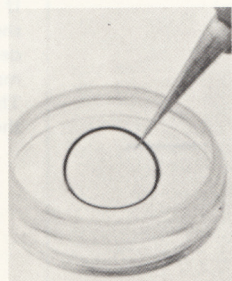


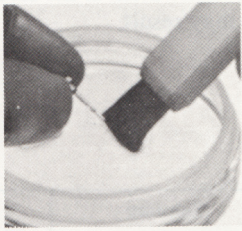
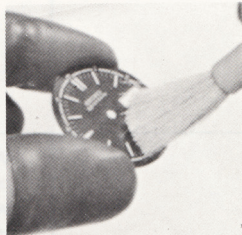
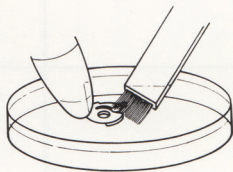


# Cleaning of Parts

An increasing number of new models of wristwatches have appeared on the market recently whose parts are made not only of metal but also of electronic components such as electronic circuits and coils as well as of plastic parts. It goes without saying that the methods of cleaning electronic and plastic parts are different compared with conventional metallic parts in terms of the solutions to be used, time allowance and the drying temperature. The following instructions should be strictly observed in cleaning the various parts of a wristwatch. If methods of cleaning other than those mentioned are used, there is likelihood that malfunction of the parts may result.

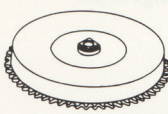

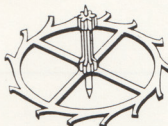
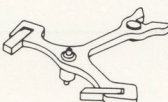
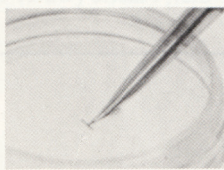
## Methods of Cleaning as Classified by Parts

Name of Part	Cleaning	Drying	Solution	Remarks
<b>Metallic outer casing parts</b> Case, Caseband, Case back, Glass bezel, Case ring, Holding ring for dial	Brush 	Warm air	Benzine, Trichlorethylene Fuji-clean	
<b>Plastic outer casing parts</b> Case ring, Holding ring for dial 	Washing not necessary	—	—	When the parts get considerably dirty, wipe with clean cloth immersed in neutral cleaning solution.
<b>Glass</b> Tokilite Hardlex, Clearlex (non-reflective glass)	Washing not necessary Wipe with clean cloth 	—	—	Clearlex (non-reflective hardlex)
<b>Gasket</b> D pipe 	Rinse 	Cold air	Alcohol	Rinsing time is within five minutes. If left long in the alcohol the parts may expand.  If washed in benzine the parts will expand in a short time.

## Cleaning of Parts

Name of Part		Cleaning	Drying	Solution	Remarks
Crown with stem Button		Brush 	Cold air	Alcohol	Washing time is within five minutes. If left long in alcohol the gasket will tend to expand.
<b>Dial</b> (including plastic ones)  Dial ring, Date dial, Day dial Hands		Wipe with dry brush or clean cloth 	—	—	Do not use benzine or trichlorene because the paint and printing will come off.
<b>Plastic Parts</b>  Date driving finger, Day driving finger, Intermediate day wheel, Day-date corrector wheel rocker		Rinse or clean with brush 	Cold air	Alcohol, Benzine, Daiflon, Trichlorethylene.	Washing time is within five minutes. In case of trichlorethylene, Ultra-sonic washing is possible.
Electronic watch parts	Main plate Cal. 37	Brush 	Cold air	Benzine, Alcohol, Daiflon	As binding agent is used, washing time is within five minutes. Do not use trichlorethylene. Be careful not to strip off binded parts.
	Circuit block Coil block Battery cap	Do not wash. Only dust off conductivity portion with cloth. 	—	—	If the parts are washed the circuit elements may deteriorate or the coils may get entangled. Therefore, do not wash the parts.

## Cleaning of Parts

Name of Part	Cleaning	Drying	Solution	Remarks
<p>Barrel</p> 	<p>Wipe the surrounding of barrel arbor and cogs with cloth immersed in solution</p> 	<p>Cold air</p>	<p>Benzine</p>	<p>If the barrel of a self-winding watch is immersed directly in a solution, the oil from the slipping attachment will flow out and impair the function of the barrel.</p>
<p>Differential wheel, Roller locking wheel, Escape wheel and pinion</p> 	<p>Rinse</p>	<p>Cold air</p>	<p>Benzine</p>	<p>In some models, the surface of these parts has been specially treated. Do not use any other type of cleaning than rinse washing.</p>
<p>Pallete complete Balance</p> 	<p>Rinse</p> 	<p>Cold air</p>	<p>Benzine</p>	<p>To protect shellac of pallet jewel and roller jewel, always dry in cold air.</p>
<p>General parts</p>	<p>Ultrasonic washing or brush</p>	<p>Warm air</p>	<p>Trichlorethylene benzine (only in case of brush cleaning)</p>	

## Cleaning of Parts

### Precautions When Handling Washing Solutions

1. When solutions such as trichlorethylene and benzine are to be used, be sure that the room is fully ventilated.
2. Since benzine and alcohol are highly inflammable, be sure that fire is not brought near them when they are used.
3. Be careful not to allow trichlorethylene drop directly on your skin or into your eyes.
4. Because benzine and alcohol are highly inflammable, never use ultrasonic washing as it is very dangerous.

### Table of Plastic Parts

Calibre 56 series	Day driving finger, Day-date corrector wheel rocker, Intermediate date wheel
Calibre 61 series	Date driving finger, Day driving finger, Intermediate date wheel
Calibre 37 series	Insulator for power connection of battery, Coil block, Circuit block, Battery cap, Battery insulation frame
Outer casing parts	Glass, Case, Case ring, Dial, Holding ring for dial, Plastic (water resistant) ring