

# TECHNICAL GUIDE & PARTS CATALOGUE Cal.NE57A

## AUTOMATIC MECHANICAL

### **SPECIFICATION**

TIME MODULE

Item	Cal. No.	NE57A		
Movement				
Movement	Outside diameter			
	Casing diameter	Φ29.36 mm (with dial holding spacer)		
size	Total height	6.63 mm		
		3 Hands ( Hour, Minute, Second )		
Time indicat	ion	Day calendar hands		
		Power reserve hand ( Center position )		
		Manual winding		
Basic function	מר	Automatic winding with ball bearing		
		Stop-second device		
		Quick date correction		
Frequency		21,600 vibrations per hour		
	Static accuracy	<ul> <li>20 ~ + 40 seconds per day</li> <li>* Measurement should be done within 10 ~ 60 minutes after fully wound up.</li> </ul>		
	Measurement position	<ul> <li>* All measurements are made without the calendar in function.</li> <li>Direction of 3 positions (1) Dial up (2) 9 o'clock up (3) 6 o'clock up</li> </ul>		
	Lift angle	53 deg		
	Measurement	20 seconds		
Accuracy	time	* Equipment to be used : Witschi WATCH EXPERT		
	Posture difference	Difference is under 60 seconds within maximum value and minimum value. * Measurement should be done within 10 ~ 60 minutes after fully wound up. * Direction of 4 positions. (1) 12 o'clock up (2) 9 o'clock up (3) 6 o'clock up (4) 3 o'clock up		
	Isochronisms (24h-0h)	<ul> <li>20 ~ + 40 seconds per day</li> <li>* Direction position : Dial up</li> <li>* Difference of static accuracy of 24 h and 0 h</li> </ul>		
Duration time		More than 41 hours (Mainspring after fully wound up) * Posture to confirmation : Dial up		
Winding the mainspring		<< Movement >> <ul> <li>Fully wound up by turning the crown minimum 55 times.</li> <li>Fully wound up by turning the ratchet wheel screw 8 times.</li> <li>Complete Watch &gt;&gt;</li> <li>A winding machine is needed to wind up the mainspring.</li> <li>*Full wind up conditions (Reference information) <ul> <li>(1) Rotary speed : 30 rpm</li> <li>(2) Operating time : 60 minutes</li> </ul> </li> </ul>		
Jewels		29 jewels		
		Counterclockwise	Clockwise	
Crown position	Normal position	Free	Manual winding	
	First click	Date setting	Free	
	Second click	Time setting	Time setting	
	-			























#### Remarks

28 Oscillating weight with ball bearing (Page 4)

Parts code	Marking				
1509 324	Japan mark				
1509 325	Malaysia mark				

#### • List of screws

Part	s No	Name	Parts No	Name
0012	2 919		0012 354	Center wheel bridge     screw
	S)	32 Ratchet wheel screw		36 Pallet bridge screw (x2)
0012	2 168	55 Yoke spring screw		Lower plate for 45 barrel and train wheel bridge screw
		(×2)		29 Automatic train bridge screw (×2)
0012	2 100	Barrel and train wheel bridge screw	0012 310	Auxiliary main plate screw
	(×3) 3 Balance bridge screw		③ Auxiliary train wheel bridge screw (×4)	

\*All parts code are subject to change without notice.



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### **OPERATION**

#### [Operation manual]



#### 1.How to set the time

- 1) Pull out the crown to the second click position.
- 2) Turn the crown to set hour and minute hands.
- (Check that AM/PM is set correctly)
- 3) Push the crown back into the normal position.
   \*When time setting is performed in counterclockwise, date hands reverses.
   Please reset by date correction.

#### 2.How to set the Date hands

- 1) Pull out the crown to the first click position.
- 2) Turn the crown to left for date setting.
- \* Do not set the calendar between 9:00 P.M. and 2:00 A.M. If the setting of the calendar is made during this period, the date will not change to the next date. Please set the calendar after changing the time other than the above period.
- 3) Push the crown back into the normal position.

#### 3.To wind up the mainspring

- a) Manual winding (Rotate the crown clockwise at normal position)
   Fully wound up by turning the crown minimum 55 times. It will start to move naturally after shaking slightly.
- b) To wind up with winding machine.

Full wind up conditions (Reference information)

- ·Rotary speed : 30 rpm
- •Operating time : 60 minutes