







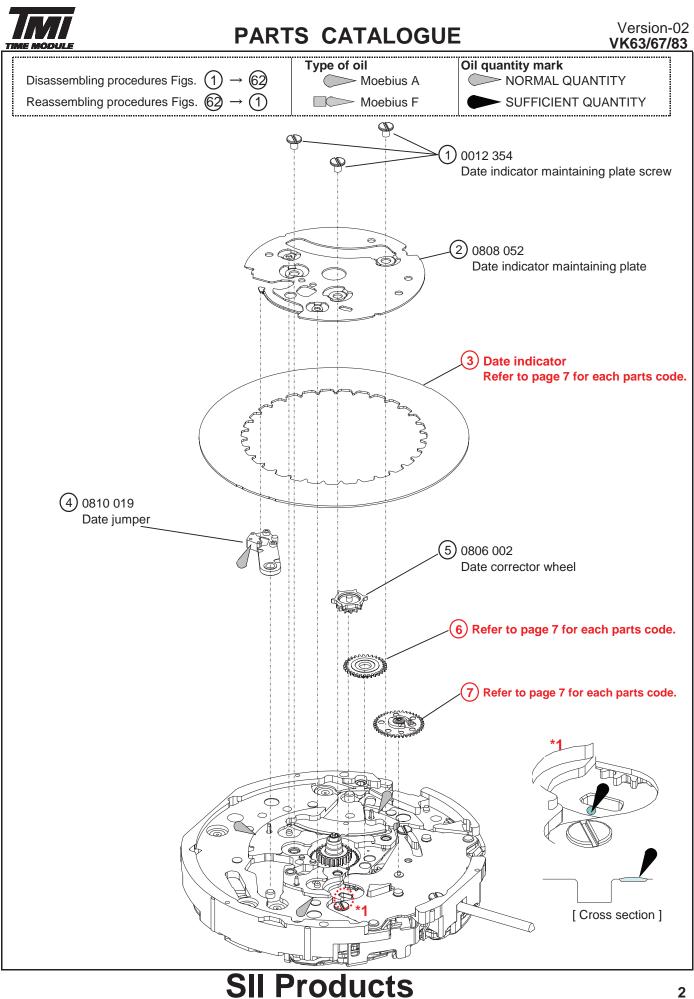
PARTS CATALOGUE / TECHNICAL GUIDE Cal. VK63/67/83

[SPECIFICATION]

Item	Cal. No.	VK63	VK67	VK83		
Movement						
	Outside diameter	φ30.80 mm × 29.10 mm (3H - 9H)				
Movement size	Casing diameter	φ29.00 mm				
	Total height	5.10 mm				
	2 Hands (hour , minute)	0	0	0		
	Date Calendar	0	0	0		
	Small second hand (6H)	0	0	0		
	Center chronograph (1/5 second)	O 60 second per round	O 60 second per round	O 60 second per round		
Time indication	60 minutes counter (12H)	-	0	-		
	60 minutes counter (9H)	0	-	-		
	20 minutes counter (9H)	-	-	0		
	12 hours counter (9H)	-	0	-		
	24 hour indicator (3H)	0	-	0		
Driving System		Two pole stepping motor Step motor 2 pieces				
Additional mechanism		Date display with quick correction Electronic circuit reset switch Time setting with stop-second				
Accuracy		Less than \pm 20 seconds : Monthly rate at normal temperature range				
Battery		SR936SW (Silver oxide battery) Battery life is approximately 3 years (60 minutes chronograph operation per day)				
Measuring g	ate by quartz tester	Use 10-second gate *Set the winding stem with crown at the normal position				
Antimagneti	с	≧ 1600 A/m 0 Jewel				

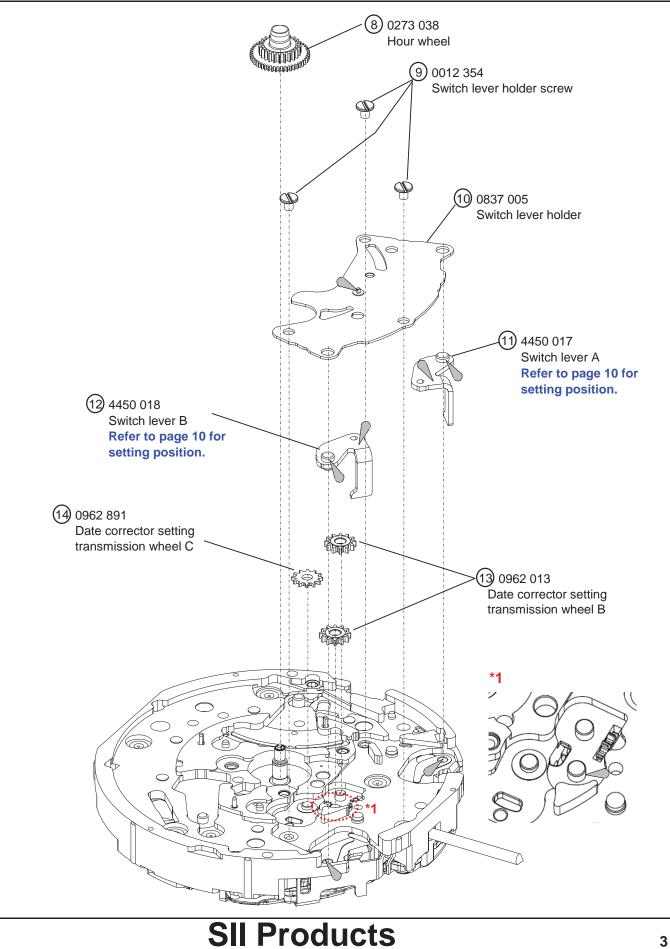
SII Products

Version-04



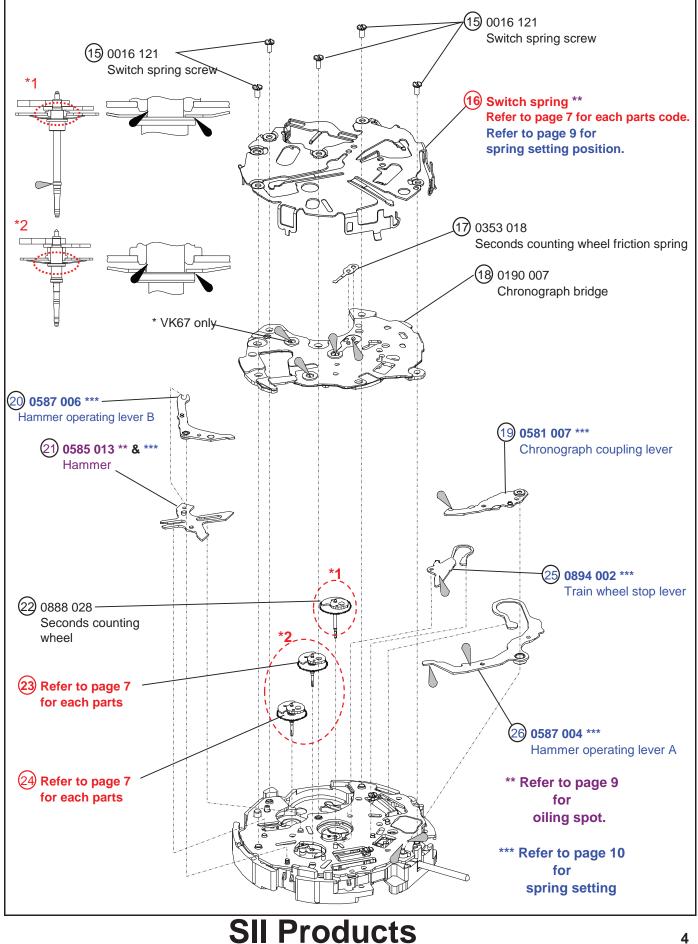


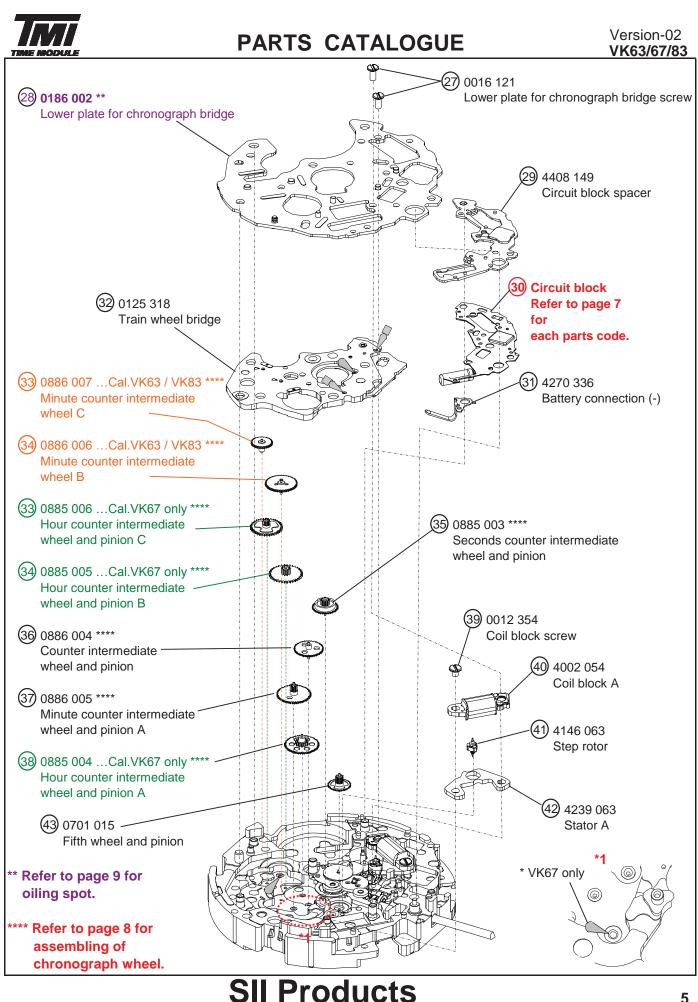
Version-02 VK63/67/83





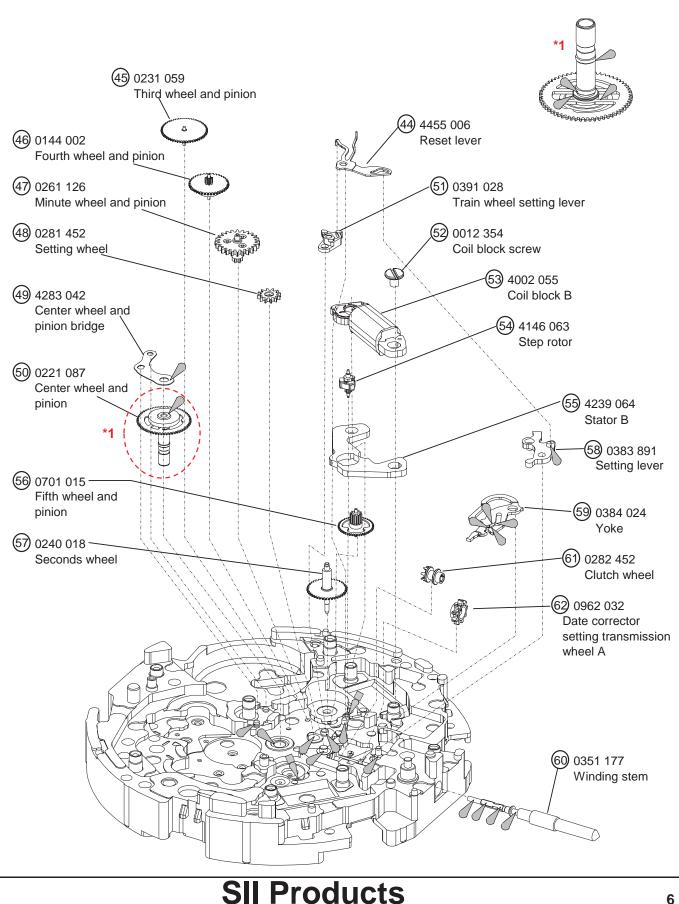










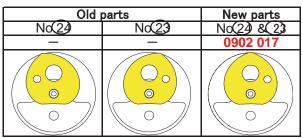




Remarks: Different parts for each CAL.						
No	VK63	Cal. VK67	VK83	Parts code	Parts name	Parts form
6	0	-	0	0817 048	Intermediate small hour hand wheel and pinion	
	-	0	-	0817 048	Intermediate date wheel and pinion	E CONTRACTOR
Ø	0	-	0	0157 012	Small hour hand wheel	Store and a store
	-	0	-	0802 039	Date indicator driving wheel	And
6	0	-	-	4250 075		
	-	0	-	4250 071	Switch spring (Differs by Cal. marking)	
	-	-	0	4250 081		
23	0	-	0	0685 003	Positioning arbor	
	-	0	-	0902 017	Minute counting wheel	
@-	0	-	0	0902 017	Minute counting wheel	
	-	0	-	0302 017	Hour counting wheel	
30	0	-	-	4004 353		and the second s
	-	0	-	4004 352	Circuit block	
	-	-	0	4004 377		1 - 2 - 2 - C

[NOTE]

About the parts code "0902 017"



When you purchase this part, please order new one "0902 017."

③ Date indicator ...Cal.VK63 / 67/ 83 common parts

Parts code	Crown	Date	Color of figure	Color of
Faits coue	position	position	Color of figure	background
0878 328	3H	3H (4.5H)	Black	White
0878 329	3H	3H (4.5H)	White	Black

* All parts code are subject to change without notice.



TECHNICAL GUIDE

1.Detailed assembling of chronograph wheel

[NOTE]

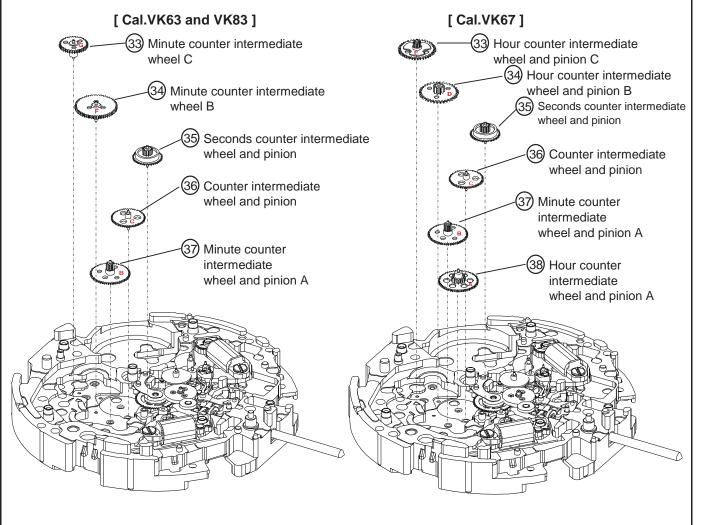
There is a mark on parts. Parts are set in order of the mark as shown in the table below.

""""""""""""""""""""""""""""""""""""""
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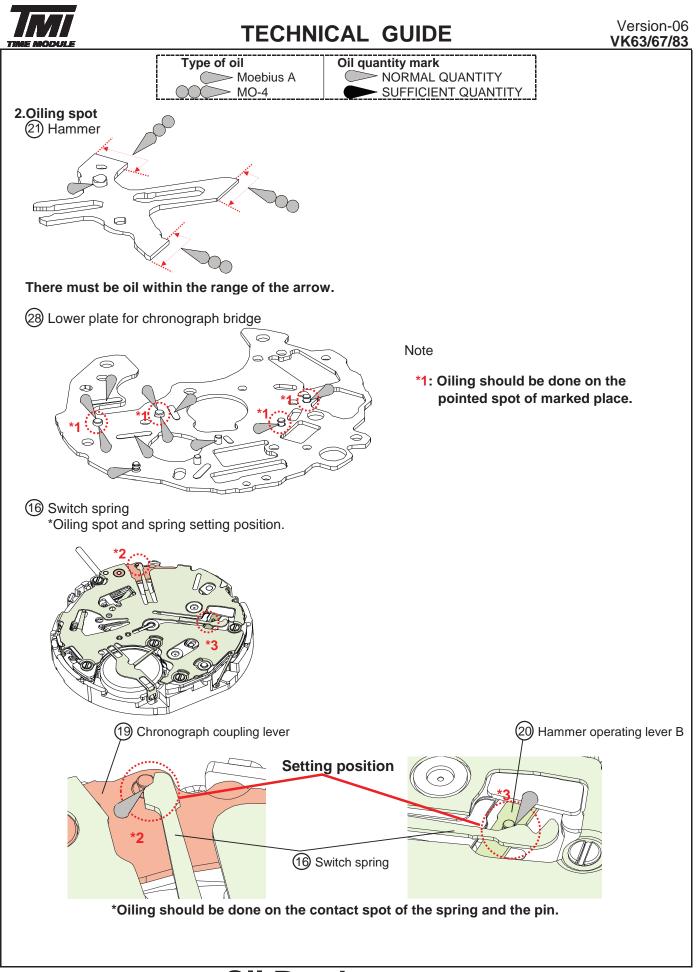
Image example of the mark

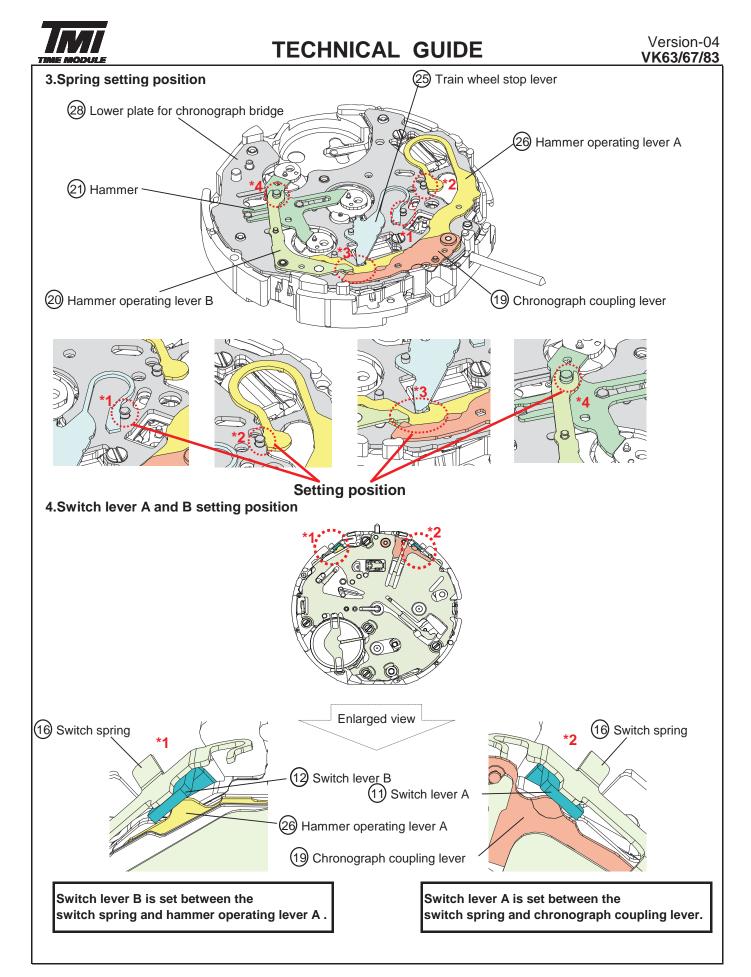
[Cal.VK63 and VK83]				
Mark	Parts name			
В	(37) Minute counter intermediate wheel and pinion A			
С	36 Counter intermediate wheel and pinion			
Nil	35 Seconds counter intermediate wheel and pinion			
F	34 Minute counter intermediate wheel B			
G	33 Minute counter intermediate wheel C			

[Cal.VK67]					
Mark	Parts name				
Α	Bour counter intermediate wheel and pinion A				
В	37 Minute counter intermediate wheel and pinion A				
С	36 Counter intermediate wheel and pinion				
Nil	35 Seconds counter intermediate wheel and pinion				
D	34 Hour counter intermediate wheel and pinion B				
Е	3 Hour counter intermediate wheel and pinion C				

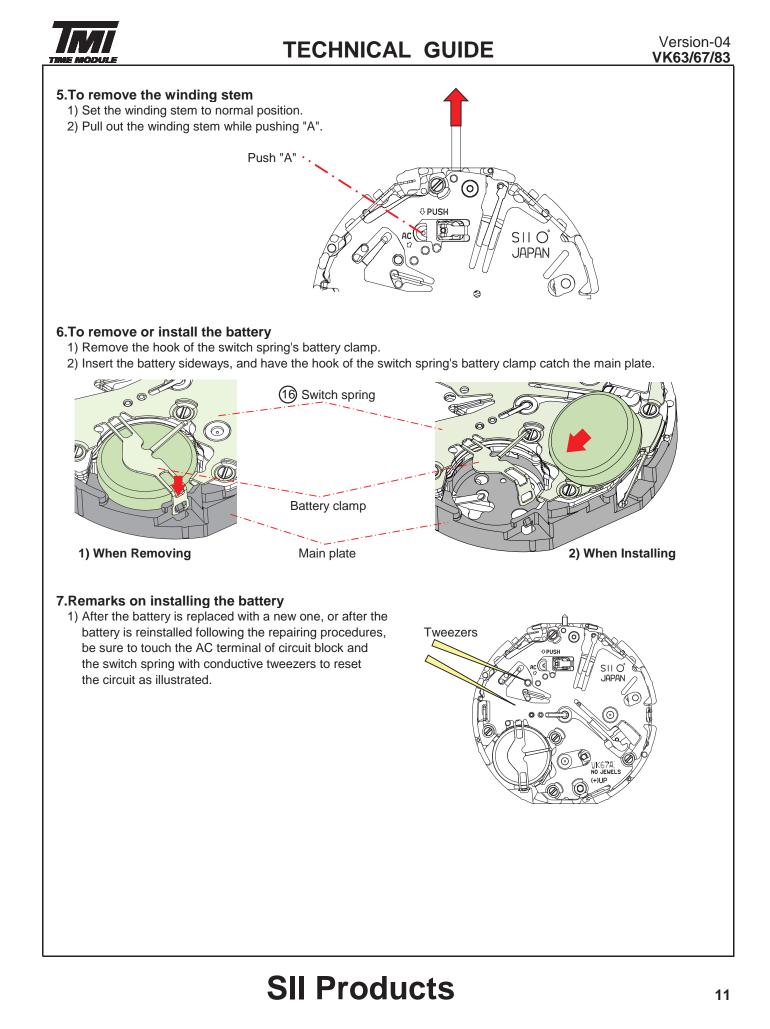


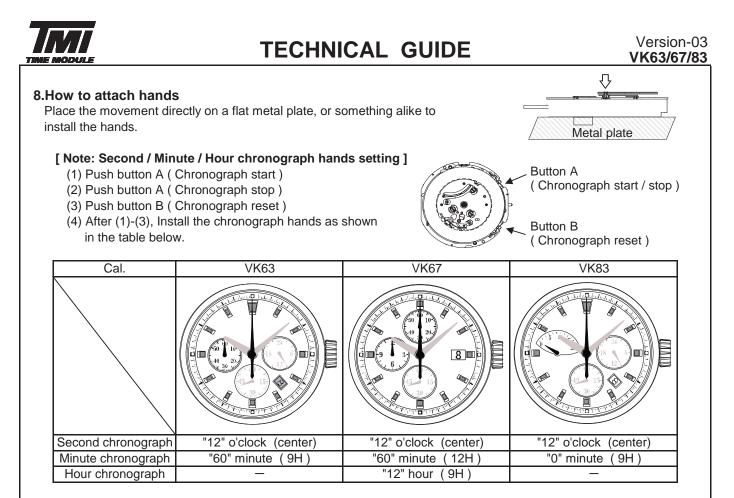
*Mark positions, and sizes, etc. are different.





SII Products





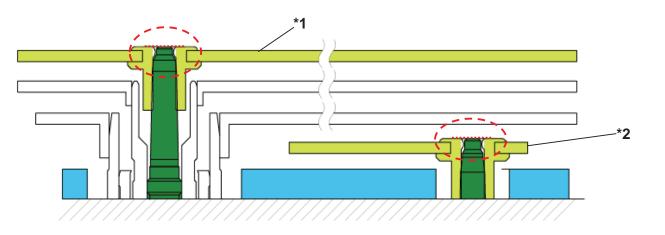
*Do not reuse the chronograph hands once detached. Please change and use new hands.

[Note: To install 24 hour hand for VK63 and VK83]

Before installing 24 hour hand, pull out the crown to the second click position and rotate it clockwise, until changed to the next date then install the 24 hour hand.

9. How to check correct hands attachment

The hand's top surface should be set parallel with the axis tip , as shown below.



Application hands

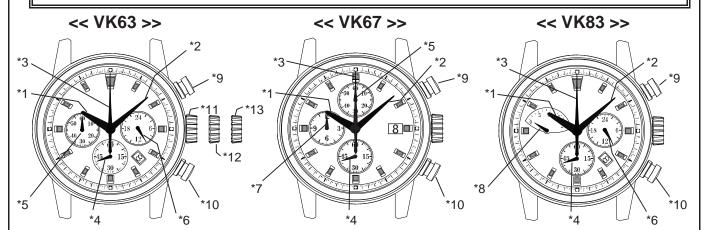
- *1: Second chronograph hand
- *2: Minute / Hour chronograph hand and Small second hand and 24 hour hand



OPERATION

Version-02 VK63/67/83

DISPLAY AND CROWN / BUTTON OPERATION



Note

1010					
*1:	Hour hand	*6:	24 hour hand	*10:	Button B (RESET)
*2:	Minute hand	*7.	Chronograph hour hand	*11:	Crown at normal position
*3:	Chronograph second hand	1.	(12 hour)	*12:	Crown at first position
*4:	Small second hand	*8:	Chronograph minute hand	12.	(Date setting)
*5:	Chronograph minute hand	0.	(20 minute)	*13:	Crown at second position
5.	(60 minute)	*9:	Button A (START / STOP)	13.	(Time setting)

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.

[Note]

If the crown is pulled to the second position while the chronograph is started, the chronograph hands will continue to move. This is not a malfunction.

2.How to set the date

- 1) Pull out the crown to the first click position.
- 2) Turn the crown clockwise for date setting.
 - *Do not set the date between 9:00 P.M. and 3:00 A.M. as this will cause a malfunction.
- 3) Push the crown back into the normal position.

3. How to reset (after battery change)

- It is possible to reset by the following two methods.
 - 1) Set the crown to the normal position.
- Method 1 \langle 2) Touch the AC terminal of circuit block and the switch spring with conductive tweezers
 - to reset the circuit.
 - 3) The small second hand will move at two-second interval for 10 seconds.
 - 1) Pull out the crown to the second click position.

Method 2 -

- 2) Press the button B for two seconds and release the button.3) Push the crown back to the normal position.
- (4) The small second hand will move at two-second interval for 10 seconds.
- * If the crown is operated within this 10 seconds, the two-second interval movement will not activate.

[Note]

It is not necessary to set the chronograph hands after the battery is exchanged.

If the chronograph hands position are incorrect, following below procedure all the chronograph hands will be reset to "0" position.



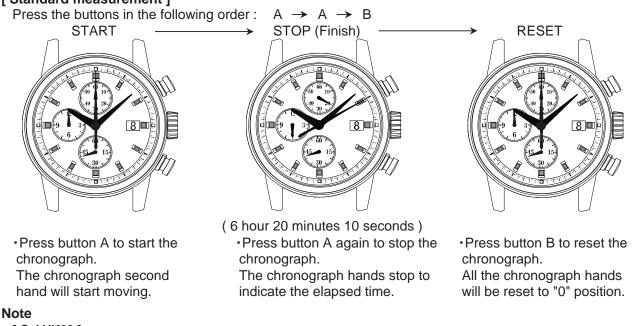


OPERATION

Version-02 VK63/67/83

HOW TO USE THE CHRONOGRAPH

[Standard measurement]



[Cal.VK63]

The chronograph can measure up to 60 minutes. The chronograph stops after a measurement for 60 minutes.

[Cal.VK67]

The chronograph can measure up to 12 hours. The chronograph stops after a measurement for 12 hours.

* Restart by pushing button A. ...Cal.VK63 and VK67

[Cal.VK83]

The chronograph can measure up to 20 minutes. The chronograph stops after a measurement for 20 minutes.

*Restart in the following procedure.

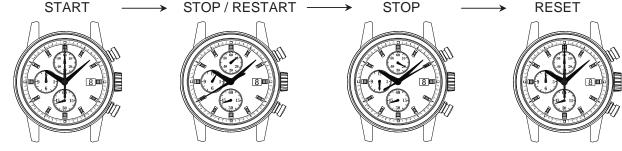


[Cal.VK63 / 67/ 83 in common]

*During the chronograph operation, button B (reset) can be pushed. There is no problem with the function.

[Accumulated elapsed time measurement]

Press the buttons in the following order : $A \rightarrow A/A \cdots \rightarrow A \rightarrow B$ START \longrightarrow STOP/RESTART \longrightarrow STOP \longrightarrow



(1 hour 8 minutes 40 seconds) (6 hour 20 minutes 10 seconds)

*Restart and stop of the chronograph can be repeated as many times as necessary by pressing button A

