



## Setting Instructions for Movement Caliber C330

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## §1. OUTLINE

This watch is a combination watch which incorporates two kinds of chronograph functions and a timer function that facilitates clocking various time competitions in one watch besides the usual time indication, calendar and alarm functions.

Moreover, this watch has other convenient functions: the time difference correction, local time indication and alarm in local time.

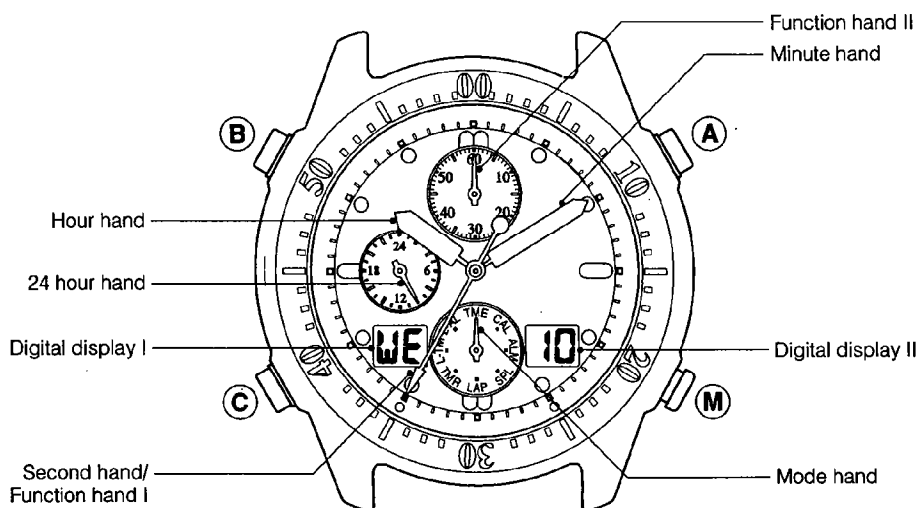
## §2. SPECIFICATION

Caliber No.		<b>C330</b>	
Type		Combination quartz watch	
Movement size (mm)		28.0 x 29.6 x 31.8ø x 5.5t	
Time accuracy (At normal temperature)		Within ±20 sec/month (+5°C ~ +35°C / 41°F ~ 95°F)	
IC		1 unit of C/MOS-LSI	
Operating temperature		0°C ~ +55°C (32°F ~ 131°F)	
Converter		Bipolar step motor	
Time adjustment		No adjustment terminal for in the market	
Measurement gate		10 sec.	
Display function	Analog time		Hour, Minute, Second, 24-hour
	Digital	Calendar	Month, Date, Day
		Alarm 1	Hour, minute indication, alarm on/off switch, AM/PM monitor, alarm monitor
		SPL chronograph:	24-hours time check (minimal indication: 1/100 of a second), split memory
		LAP chronograph:	24-hours time check (minimal indication: 1/100 of a second), lap memory
		Timer:	60-minutes time check (minimal unit: 1 minute)
		Local time:	Local hour, local minute, local 24-hour, main second indication
		Local alarm:	Local alarm hour, local alarm minute, local alarm time monitor, AM/PM monitor, local alarm on/off switch
Additinal function		<ul style="list-style-type: none"> <li>• "0" position correcting mode</li> <li>• Hand Retractor mode</li> </ul>	
Battery	Parts No. / Code		280-44 / SR927W
	Nominal voltage / capacity		1.55V / 60mAH
	Life time		Approx. 2 years. (On condition that the alarm is used once a day, the local alarm is used once every other day, the timer and chronograph are used once a week.)

\* Specifications are subject to change for improvement without notice.

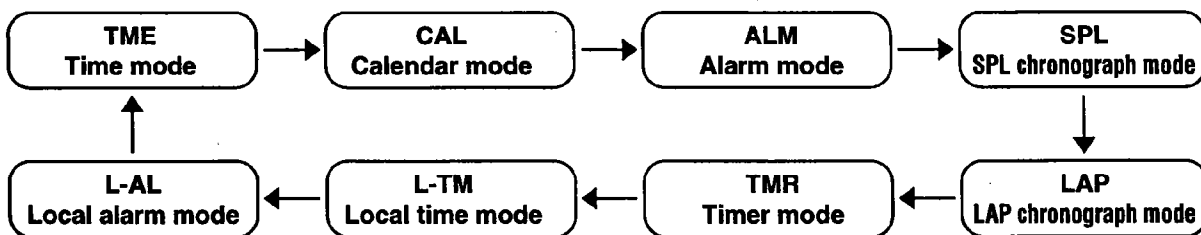


### §3. NAME OF PARTS



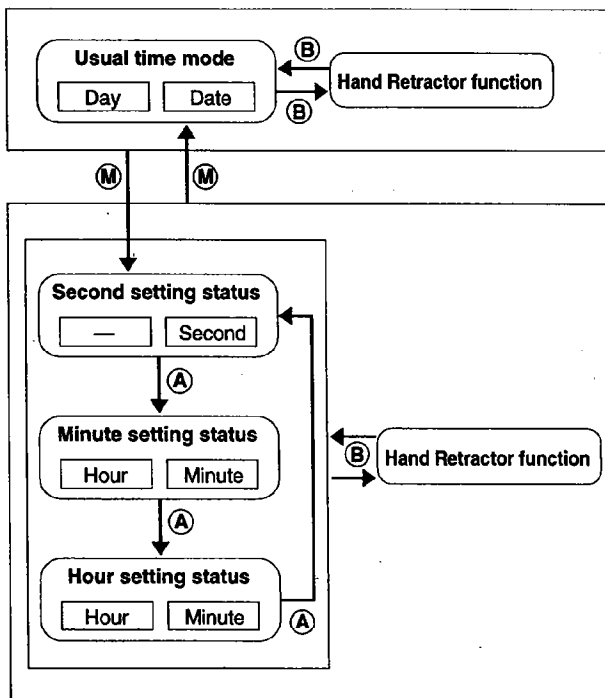
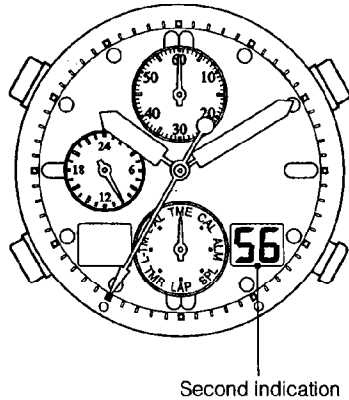
### §4. CHANGING FUNCTIONS (MODES)

Besides the usual time indication function, this watch has seven other functions (modes): the calendar, alarm, SPL chronograph, LAP chronograph, timer, local time indication and alarm in local time. These modes can be changed one after another by pressing the **M** button. The current mode is shown by the mode indicator.



### §5. SETTING TIME

Since analog time indication (hour, minute, second, 24-hour hands) is synchronized with digital time indication, set the digital time indication correctly first and then press **M** button in to the original position. Accordingly, all the hands will be set to the correct positions automatically.



### [How to set hour indication]

- (1) Press **(M)** button to shift the mode to "TME."
- (2) Pull **(M)** button out to the time setting position.
  - The second, minute, hour and 24-hour hands stop, and seconds indication appearing on the digital display II starts blinking at the same time.
  - The function hand II stops at "0" position.
  - \* If you try to shift the mode to "TME" (time setting mode) from the Hand Retractor function, the mode is switched to the second setting mode as the watch remains in the Hand Retractor state in actuality.
  - For details of the Hand Retractor function (mode), refer to "§7. USING HAND RETRACTOR FUNCTION."
- (3) Press button **(C)** for resetting seconds.
  - If button **(C)** is pressed while the second indication is between 30 and 59 seconds, the minutes indication is advanced to the next minute.
- (4) If button **(A)** is pressed in the seconds reset status (seconds indication is blinking), the watch is switched into the minute setting status.
  - In this case, hour indication appears on the digital display I while minute indication blinks in the digital display II.
- (5) Press button **(C)** to set minutes.
  - If button **(C)** is left pressed, minutes can be set quickly.
- (6) If button **(A)** is pressed in the minute setting status (minutes indication is blinking), the watch is switched into the hour setting status.
  - In this case, hour indication appearing in the digital display I starts blinking.
- (7) Press button **(C)** to set hours.
  - If button **(C)** is left pressed, hours can be set quickly.
  - Hour indication is set in the 24-hour system.
- (8) Press button **(A)** and the watch returns to the seconds reset status.
- (9) If button **(M)** is pressed in to the normal position in the time setting mode, the watch returns to the usual time indication mode.
  - The second, minute, hour and 24-hour hands are automatically set to their correct positions, synchronous with the digital time indication. The second hand starts 1-second interval movement. The minute, hour and 24-hour hands move every 20 seconds.
  - \* If button **(B)** is pressed in the time (second, minute, hour) setting status, the watch enters the Hand Retractor mode.



## §6. HOW TO CORRECT TIME DIFFERENCE

- Time difference can be corrected by hours.
  - (1) If button **A** is pressed for 2 seconds or more in the normal time mode, the 24-hour, hour and minute hands are advanced by an hour (hours).
    - If button **A** is left pressed, it quickens forward correction of the time difference.
  - (2) If button **C** is pressed for 2 seconds or more, the 24-hour, hour and minute hands are set back by an hour (hours).
    - If button **C** is left pressed, it quickens backward correction of the time difference.

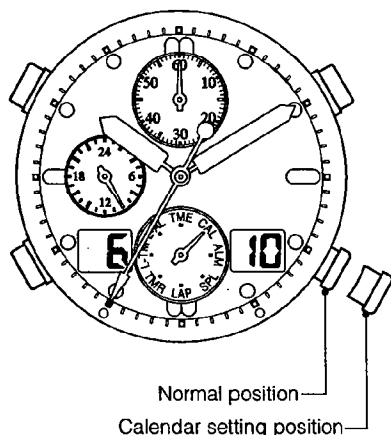
## §7. USING HAND RETRACTOR FUNCTION

- If either digital display is hard to see because the hour hand and/or minute hand overlap in the time, calendar, alarm, local time or local alarm mode, the disturbing hands can be moved aside by the Hand Retractor function.

### [How to use the Hand Retractor function]

- (1) If button **B** is pressed for 2 seconds or more in a normal mode, the second hand quickly moves to the "0" position and stops there. At the same time, the 24-hour hand moves to the 24 hours position (24:00) while the hour and minute hands are moved quickly to the 12 hours and "0" minute positions (12:00) respectively.
  - If button **B** is pressed again while the hands are moving quickly, each hand stops immediately.
- (2) If button **B** is pressed once more, the Hand Retractor mode is canceled and each hand returns to its original position.

## §8. SETTING CALENDAR



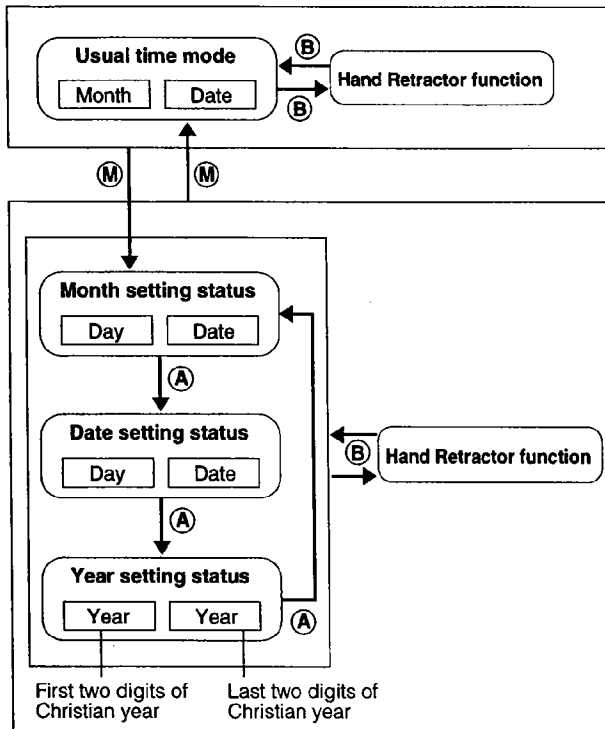
### [Indication after the mode is switched to the calendar mode from another mode]

- Digital display I: Month
- Digital display II: Date
- Second, minute, hour and 24-hour hands indicate the current time.
- Function hand II stops at "0" position.

### [How to set calendar]

- (1) Press button **M** to switch the mode to "CAL."
- (2) Pull out button **M** to the calendar setting position.
  - The month appearing on digital display I starts blinking.
  - \* If you try to shift the mode to "CAL" (calendar setting mode) from the general Hand Retractor status, the mode is shifted to the month setting mode as the watch remains in the Hand Retractor status in actuality.
- (3) Press button **C** to set the month.
  - If button **C** is left pressed, the month can be set quickly.





- (4) If button (A) is pressed in the month setting status (month indication is blinking), the watch is switched into the date setting status.
  - The date appearing on digital display II starts blinking.
- (5) Press button (C) to set the date.
  - If button (C) is left pressed, the date can be set quickly.
- (6) If button (A) is pressed in the date setting status, the watch is switched into the year setting status.
  - In that event, digital display I shows the first two digits of the Christian year while digital display II shows the last two digits, and all the digits appearing on the displays are blinking.
- (7) Press button (C) to set the year.
  - If button (C) is left pressed, it quickens setting of the year.
  - The year can be set in the range from 1997 to 2099.
- (8) Press button (A) and the watch returns to the month setting status.
- (9) If button (M) is pressed in to the normal position in the calendar setting mode, the watch returns to the usual calendar indication mode.

\* If button (B) is pressed in the calendar setting status, the watch enters the hand Retractor mode.

#### Automatic month-end correction function

- If the calendar is set to such an unreal date as 30th of February or 31st of September, the calendar automatically corrects the error in setting and if indicates the 1st day of the next month as the watch is restored to the usual calendar mode.

#### Automatic day setting function

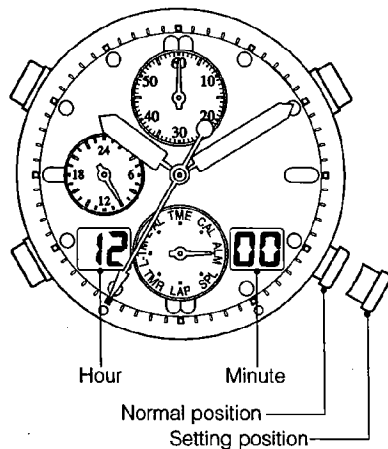
- With setting of the date, month and year, the day of the week is automatically set.

#### Year indication

- Year indication appears in the calendar setting mode only.

## §9. USING ALARM

### Alarm indication



### [Indication after the mode is shifted to the alarm mode from another mode]

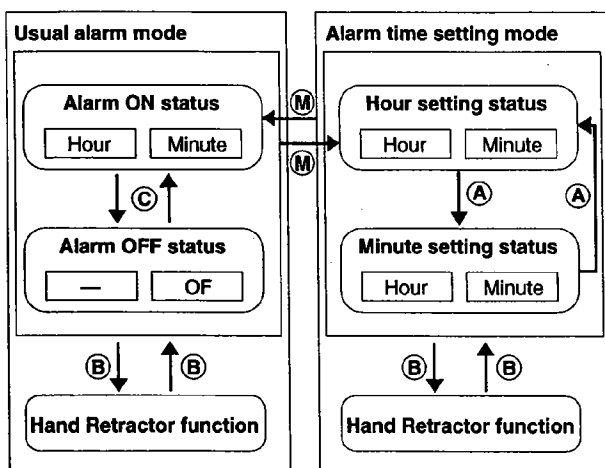
- |              |                   |                    |
|--------------|-------------------|--------------------|
|              | Digital display I | Digital display II |
| • Alarm ON:  | Hour              | Minute             |
| • Alarm Off: | No indication     | "OF"               |
- Alarm time is indicated in the 24-hour system on the digital display.
  - Second, minute, hour and 24-hour hands indicate the current time.
  - Function hand stops at "0" position.

### [How to set alarm time]

- (1) Press button **(M)** to switch the mode to "ALM."
  - (2) Pull button **(M)** out to the setting position, and the watch enters the alarm time setting mode.
    - The hour indication appearing on digital display I starts blinking.
    - Digital display II shows the minute.
- \* If you try to switch the mode to "ALM" (alarm setting mode) from the general Hand Retractor status, the mode is changed to the hour setting status of the alarm mode as the watch remains in the Hand Retractor status in actuality.
- (3) Press button **(C)** to set the hour.
    - In the alarm setting mode, the hour can be set in the 24-hour system only.
    - If button **(C)** is left pressed, the hour can be set quickly.
  - (4) Press button **(A)** to switch from the hour setting status to the minute setting status.
    - Digital display I shows the hour.
    - The minute indication appearing on digital display II starts blinking.
  - (5) Press button **(C)** to set the minute.
    - If button **(C)** is left pressed, the minute can be set quickly.
  - (6) If button **(A)** is pressed once more, the watch returns to the hour setting status of the alarm setting mode.
  - (7) If button **(M)** is pressed in to the normal position in the alarm setting status, the watch returns to the alarm time indication mode (alarm on).
- \* If button **(B)** is pressed in the alarm time setting status, the watch enters the Hand Retractor mode.

### [How to distinguish between the alarm time in AM and that in PM]

- (1) In case the alarm time has been set.
  - Press button **(A)** in the alarm mode, and "AM" or "PM" appears on digital display II.
- (2) In case no alarm time has been set.
  - Press button **(A)** in the alarm mode, and "OF" appears on digital display II.



### [How to switch the alarm ON/OFF]

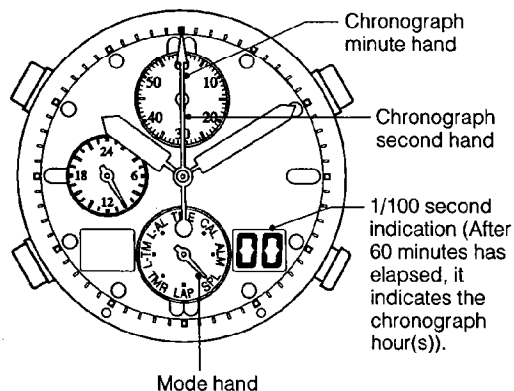
- (1) Each time button **C** is pressed in the alarm mode, the alarm is switched on and off alternately.

### [Alarm monitor]

- (1) Press button **C** for 2 seconds or more, and the alarm will continue to sound while button **C** is being pressed.

## §10. USING SPL CHRONOGRAPH

### [Reset status of chronograph]



### [Reset status of chronograph]

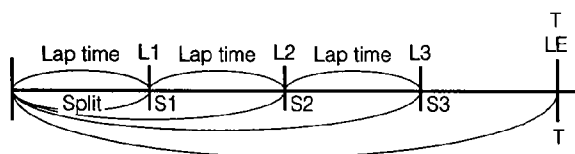
- The chronograph is capable of checking and indicating a time up to 23 hours 59 minutes 59 and 99/100 seconds in units of 1/100 of a second. If 24 hours passes after starting a time check, the chronograph stops with the indication of 0 hours 0 minutes 0 seconds which is the reset state. This SPL chronograph function is capable of checking split time (elapsed time) and checked split time, up to 9 records in total can be saved in the memory.

### [Indication after the mode is shifted to the SPL chronograph mode from another mode]

- The second hand serves as the chronograph second hand and the function hand II serves as the chronograph minute hand.
- The minute, hour and 24-hour hands indicate the current time.
- Digital display I: Indicates "S" + number in the split time check mode. In other modes, nothing is indicated on this display.
- Digital display II: 1/100 of a second indication (After 60 minutes has elapsed, it indicates the chronograph hour(s).)

### [How to check total time]

- (1) Press **M** button to switch the mode to "SPL."
- (2) Press **A** button to start checking time.
  - Each time button **A** is pressed, the chronograph stops and starts checking time alternately.
  - Each time button **A** is pressed, the split time is memorized. If button **A** is pressed only once, the total time is memorized.
- (3) If button **C** is pressed while the chronograph is stopped, the chronograph indication is reset.
  - If button **A** or **C** is pressed, the watch beeps for confirmation.







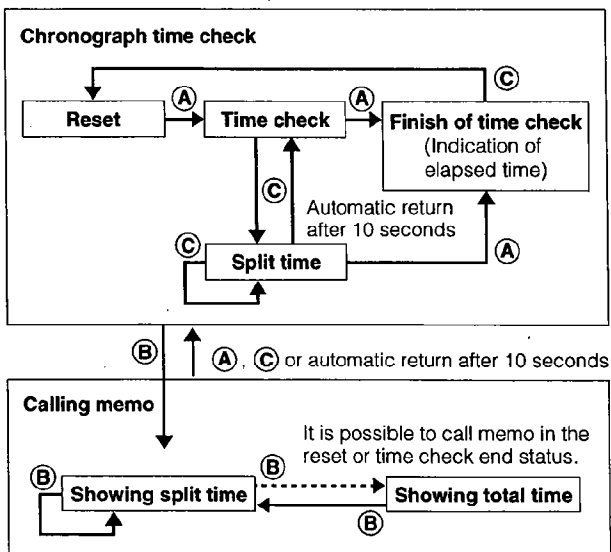
### [How to check split time (elapsed time)]

- (1) Press button **(A)** to start checking time. Each time button **(A)** is pressed, the chronograph starts and stops alternately.
  - (2) If button **(C)** is pressed during a time check, the chronograph indicates a split time.
    - While a split time is being indicated, "S" and the split number blink of digital display I.
  - (3) If button **(C)** is pressed while a split time is being indicated, the elapsed time for the split time indication is added and the chronograph enters the next split time checking status.
    - Every time button **(C)** is pressed, each split time is numbered and saved in the memory. Maximum of nine split times can be saved in the memory. When the tenth split time is checked, the oldest record is erased and the latest check time is recorded, and so on.
    - Split times are numbered in the checking order.
  - (4) If button **(A)** is pressed while a split time is being indicated, the chronograph is switched into the time check end status.
    - If no button is pressed for 10 seconds while a split time is being indicated, the chronograph automatically returns to the time check status to continue checking time.
  - (5) If button **(C)** is pressed when the chronograph is out of operation (time check end status), it resets the chronograph.
- \* When button **(A)** or **(C)** is pressed, the watch beeps for confirmation.

### [How to show a recorded split time]

- (1) Press button **(B)** in the chronograph mode (reset, time check, stop or split time status), and chronograph indicates the split time of the oldest record in the memory together with its split number on the display.
    - Each time button **(B)** is pressed, the chronograph shows the split times recorded in the memory one after another, and the latest recorded split time is followed by the oldest split time.
    - If button **(B)** is pressed to show the recorded split times in the reset or stop status, all the recorded split times are shown one after another in the recording order. Following the last recorded split time, the chronograph shows the total of the recorded split times. Henceforth, the chronograph shows the oldest split time again and other records follow it in the aforementioned order.
    - If no split time is recorded, the chronograph shows the total time.
    - The total time represents the elapsed time from the start to the end of a time check in the chronograph mode. While a total time is shown, "T" blinks on digital display I.
  - (2) If no button is pressed for 10 seconds after a split time is shown, the chronograph returns to the status it showed just before the split time (reset, time check, or stop status).
  - (3) If button **(A)** or **(C)** is pressed, the chronograph returns to the status it showed just before the split time (reset, time check, or stop status).
- \* All the records of split times are cleared when button **(A)** is pressed to start a new time check, after the chronograph is reset.





### [Indication after memo is called back]

- The second hand moves to the position that was previously memorized and stops there.
- The function hand II moves to the chronograph minute position that was previously memorized and stops there.
- Digital display I: Shows "S" and the memo number, both of which are blinking.
- Digital display II: Indicates time in hundredths of a second. (After 60 minutes has elapsed, it indicates the chronograph hour(s).)
- The minute, hour and 24-hour hands indicate the current time.

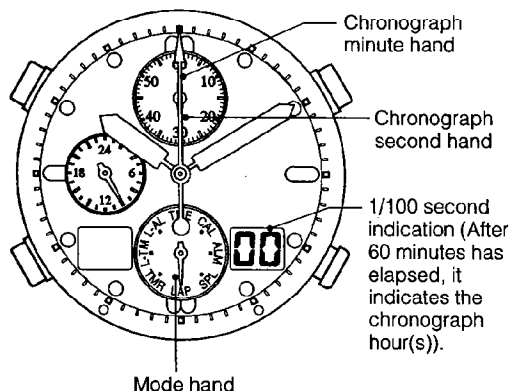
### [In case the mode is switched from the SPL chronograph mode to another]

- (1) In case the SPL chronograph mode is switched to another mode once and it is switched back to the SPL chronograph mode again, the last time check status, just before the first mode change, is recovered.
  - However, ① if the chronograph was in the split time check status just before the first mode change, the chronograph is set for the time check status after the second mode change,
  - ② if the chronograph was in the split time calling status just before the first mode change, the chronograph is set in the status (reset, time check or time check end status) just before the split time calling status, after the second mode change.
- (2) In case the SPL chronograph mode is switched to the LAP chronograph mode, the time check status does not change.
  - In case the last chronograph status was the SPL chronograph reset status, the chronograph is switched into the LAP chronograph reset status.
  - In case the last chronograph status was the SPL chronograph time check status, the chronograph is switched into the LAP chronograph time check status.
  - In case the last chronograph status was the SPL chronograph time check end status, the chronograph is switched into the LAP chronograph time check end status.
 However, ① if the last status was the split time check status, the chronograph enters the LAP chronograph time check status,
  - ② if the last status was the split time calling status, the chronograph enters the status (reset, time check or time check end status) just before the split time calling status,
  - ③ if the SPL split time was called in the split time status, the chronograph enters the LAP chronograph time check status.

## §11. USING LAP CHRONOGRAPH

- The chronograph is capable of checking and indicating a time up to 23 hours 59 minutes 59 and 99/100 seconds in units of 1/100 of a second. If 24 hours passes after starting a time check, the chronograph stops with the indication of 0 hour 0 minute 0 second which is the reset state. This LAP chronograph function is capable of checking lap time (elapsed time) and checked lap time, up to 9 records in total, can be saved in the memory.

### [Reset status of LAP chronograph]



### [Indication after the mode is switched to the LAP chronograph mode from another mode]

- The second hand serves as the LAP chronograph second hand and the function hand II serves as the LAP chronograph minute hand.
- The minute, hour and 24-hour hands indicate the current time.
- Digital display I: Indicates "L" + number in the lap time check mode. In other modes, nothing is indicated on this display.
- Digital display II: Chronograph 1/100 of a second indication (After 60 minutes has elapsed, it indicates the LAP chronograph hour(s).)

### [How to check total time]

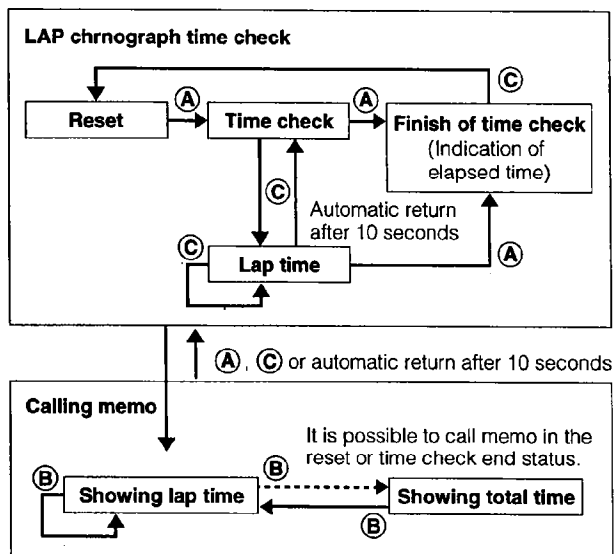
- Press button **(M)** to switch the mode to "LAP."
- Press button **(A)** to start checking time.
  - Each time the button **(A)** is pressed, the chronograph stops and starts checking time alternately.
  - Each time button **(A)** is pressed, the lap time is memorized. If button **(A)** is pressed only once, the total time is memorized.
- If button **(C)** is pressed while the chronograph is stopped, the chronograph indication is reset.
  - If button **(A)** or **(C)** is pressed, the watch beeps for confirmation.

### [How to check lap time]

- Press button **(A)** to start checking time.
  - Each time button **(A)** is pressed, the chronograph starts and stops alternately.
- If button **(C)** is pressed during time check, the chronograph indicates a lap time.
  - While a lap time is being indicated, "L" and the lap number blink on the digital display I.
- If button **(C)** is pressed while a lap time is being indicated, the elapsed time for the lap time indication is added and the chronograph enters the next lap time checking status.
  - Every time button **(C)** is pressed, each lap time is numbered and saved in the memory. Maximum of nine lap times can be saved in the memory. When the tenth lap time is checked, the oldest record is erased and the latest check time is recorded, and so on.
  - Lap times are numbered in the checking order.
- If button **(A)** is pressed while a lap time is being indicated, the chronograph is switched into the time check end status.
  - If no button is pressed for 10 seconds while a lap time is being indicated, the chronograph automatically returns to the time check status to continue checking time.

(5) If button **(A)** is pressed when the chronograph is out of operation (time check end status), it resets the chronograph.

\* When button **(A)** or **(C)** is pressed, the watch beeps for confirmation.



### [How to show a recorded lap time]

(1) Press button **(B)** in the LAP chronograph mode (reset, time check, stop or lap time status), and chronograph indicates the lap time of the oldest record in the memory together with its lap number on the display.

- Each time button **(B)** is pressed, the chronograph shows the lap times recorded in the memory one after another, and the latest recorded lap time is followed by the oldest lap time.
- If button **(B)** is pressed to show the recorded lap times in the reset or stop status, all the recorded lap times are shown one after another in the recording order. Following the last recorded lap time, the chronograph shows the total of the recorded lap times. Henceforth, the chronograph shows the oldest lap time again and other records follow it in the aforementioned order.
- The lap between the last lap time and the total time is shown as "LE."

- If no lap time is recorded, the chronograph shows the total time.
- The total time represents the elapsed time from the start to the end of a time check in the chronograph mode. While a total time is shown, "T" blinks on digital display I.

(2) If no button is pressed for 10 seconds after a lap time is shown, the chronograph returns to the status it showed just before the lap time (reset, time check, or stop status).

(3) If button **(A)** or **(C)** is pressed, the chronograph returns to the status it showed just before the lap time (reset, time check, or stop status).

\* All the records of lap times are cleared when button **(A)** is pressed to start a new time check, after the chronograph is reset.

### [Indication after memo is called back]

- The second hand moves to the position that was previously memorized and stops there.
- The function hand II moves to the chronograph minute position that was previously memorized and stops there.
- Digital display I: Shows "L" and the memo number, both of which are blinking.
- Digital display II: Indicates time in hundredths of a second. (After 60 minutes has elapsed, it indicates the chronograph hour(s).)
- The minute, hour and 24-hour hands indicate the current time.

### [In case the mode is switched from the LAP chronograph mode to another]

(1) In case the LAP chronograph mode is switched to another mode once and it is switched back to the LAP chronograph mode again, the last time check status, just before the first mode change, is recovered.

However, ① if the chronograph was in the lap time check status just before the first mode change, the chronograph is set for the time check status after the second mode change,

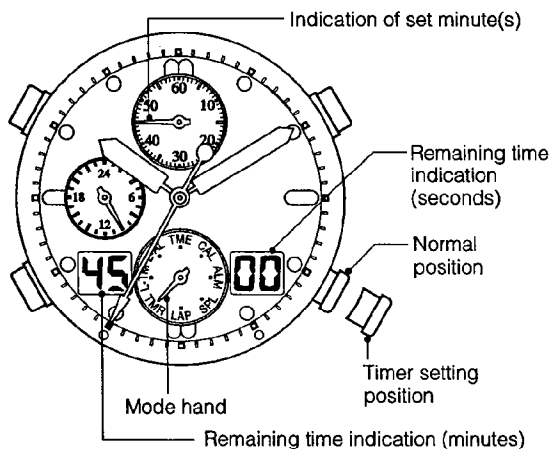
② if the chronograph was in the lap time calling status just before the first mode change, the chronograph is set in the status (reset, time check or time check end status) just before the lap time calling status, after the second mode change.

- (2) In case the LAP chronograph mode is switched to the SPL chronograph mode, the time check status does not change.
- In case the last chronograph status was the LAP chronograph reset status, the chronograph is switched into the SPL chronograph reset status.
  - In case the last chronograph status was the LAP chronograph time check status, the chronograph is switched into the SPL chronograph time check status.
  - In case the last chronograph status was the LAP chronograph time check end status, the chronograph is switched into the SPL chronograph time check end status.
- However, ① if the last status was the lap time check status, the chronograph enters the SPL chronograph time check status,
- ② if the last status was the LAP lap time calling status, the chronograph enters the status (reset, time check or time check end status) just before the lap time calling status,
- ③ if the lap time was called in the lap time status, the chronograph enters the SPL chronograph time check status.

## §12. USING TIMER

- The timer can be set for 1 minute to 60 minutes in one minute increments.

### [Initial setting status of the timer]

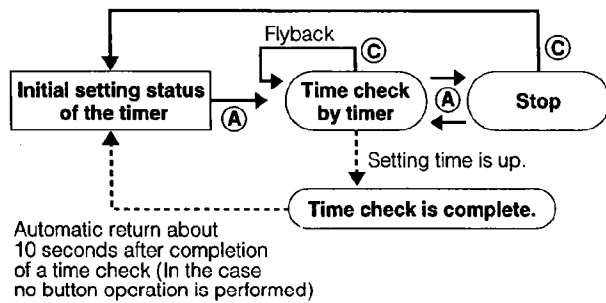


### [Indication after the mode is switched to the timer mode from another mode]

- Function hand II serves as the indicator of the set minutes.
- Digital display I shows the timer minute(s).
- Digital display II shows the timer second(s).
- Second, minute, hour and 24-hour hands indicate the current time.

### [How to set the timer]

- (1) Press button **M** to switch the mode to "TMR."
- (2) Pull out button **M** to the timer setting position.
- (3) Press button **C** to set timer minute(s) as desired. Each time button **C** is pressed, the set time (minutes) is shortened by one minute.
  - Digital display I and the function hand II indicate the set minutes.
  - Digital display II shows "00."
  - If button **C** is left pressed, it quickens setting of the timer.
- (4) Press button **M** to the normal position, and setting of the timer is complete.
  - \* If button **B** is pressed during setting of the timer, the watch comes into the Hand Retractor mode.



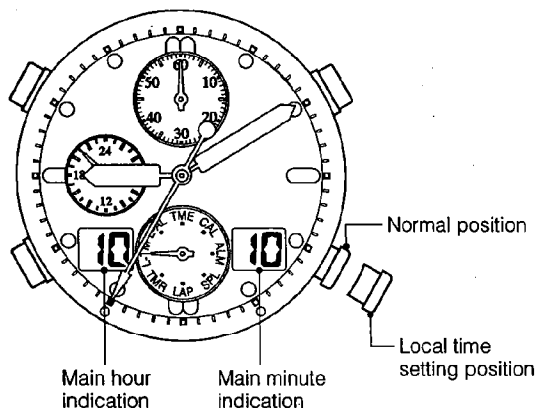
### [How to start time check by the timer]

- (1) Press button (A). The timer begins time check (countdown) starting from the set minutes.
- (2) If button (A) is pressed during time check, the timer stops time check. If button (A) is pressed again while the timer is in the stop status, the timer continues with the time check.
- (3) If button (C) is pressed while the timer is stopped, the timer is reset to the initial setting status.
- (4) If button (C) is pressed during a time check, all the indicators are forcibly reset to their respective initial positions and the timer restarts checking time (countdown).
- (5) When the timer completes a time check, it is automatically reset to the initial set status.
  - \* When the set time is up, the watch beeps for 5 seconds.

## §13. USING LOCAL TIME INDICATION

- Independently of the main time set in the time mode, a different time can be set by switching to the local time mode.

### [Local time indication]



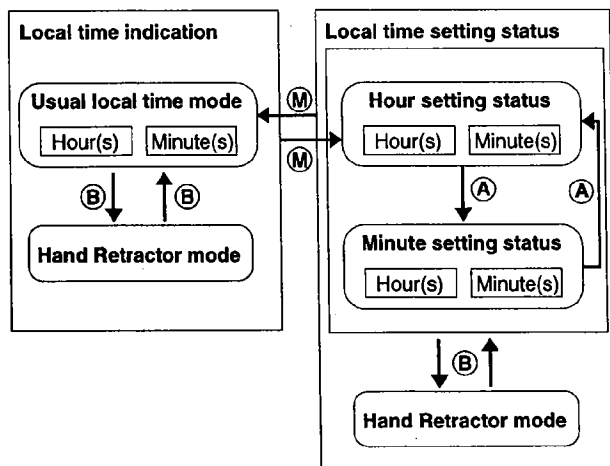
### [Indication after the mode is shifted to the local time mode from another mode]

- The minute, hour and 24-hour hands indicate the local time.
- The second hand, digital displays I and II indicate the main time, namely, the second hand indicates second(s) of the main time, the digital display I indicates hour(s) of the main time, the digital display II indicates minute(s) of the main time.
- The function hand II stops at "0" position.

### [Indication during local time setting]

- The second hand stops at "0" position.
- The minute, hour and 24-hour hands stop at their respective last positions just before the mode was changed.
- Function hand II stops at "0" position.
- Digital display I indicates hour(s) of the local time.
- Digital display II indicates minute(s) of the local time.





### [How to set a local time]

- (1) Press button **M** to shift the mode to "L-TM" (local time).
  - (2) Pull button **M** out to the local time setting position.
    - "Hour(s)" indication appears on digital display I and it starts blinking.
    - "Minute(s)" indication appears on digital display II and it starts blinking.
  - (3) Press button **C** to set "hour(s)."
    - If button **C** is left pressed, it quickens setting of "hour(s)."
    - The hour(s) of the local time is set in the 24-hour system.
  - (4) To set "minute(s)" of the local time, press button **A** in the "hour(s)" setting status (hours indication is blinking).
    - The "minute(s)" indication appearing on the digital display II starts blinking.
  - (5) Press button **C** to set "minute(s)."
    - If button **C** is left pressed, it quickens setting of "minute(s)."
  - (6) If button **A** is pressed in the "minute(s)" setting status, the minute(s) setting mode is switched to the hour(s) setting mode.
  - (7) Press button **M** in to the normal position during any setting status in the local time mode, and the watch returns to the "local time indication" mode, in which the respective indicators serve as mentioned below.
    - The minute, hour and 24-hour hands are automatically set at their respective local time, interlocking with the digital indications.
    - The second hand still indicates second(s) of the main time.
    - Digital display I indicates "hour(s)" of the main time.
    - Digital display II indicates "minute(s)" of the main time.
- \* If button **B** is pressed in a local time setting status, the watch comes into the Hand Retractor mode.

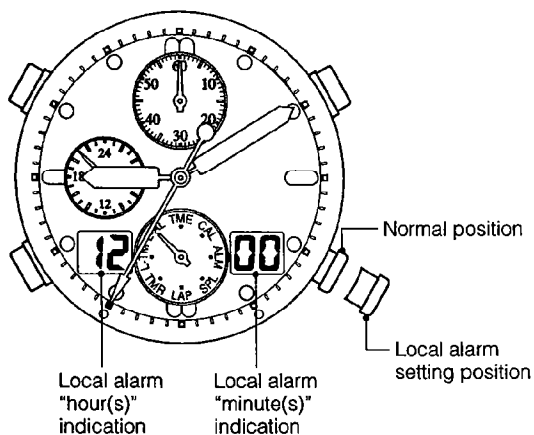
### [How to correct time difference in local time]

- Time difference can be corrected by hours (at a unit of one hour).
- (1) Press button **A** continuously for 2 seconds or more in the local time indication mode to correct the local time difference. Each time button **A** is pressed, the 24-hour, hour and minute hands are advanced by one hour.
    - If button **A** is left pressed, those hands are continuously advanced for quick setting.
  - (2) Press button **C** continuously for 2 seconds or more in the local time indication mode to correct the local time difference in the other direction. Namely, each time button **C** is pressed, the 24-hour, hour and minute hands are set back by one hour.
    - If button **C** is left pressed, those hands are continuously set back for quick setting.



## §14. USING LOCAL TIME ALARM

### [Local alarm indication]



### [Indication after the mode is shifted to the local alarm mode from another mode]

- |                                |                      |
|--------------------------------|----------------------|
| Digital display I              | Digital display II   |
| • Alarm ON: Local alarm "hour" | Local alarm "minute" |
| • Alarm OFF: No indication     | "OF"                 |
- The local alarm time is indicated in the 12-hour system on the digital displays.
  - The minute, hour and 24-hour hands indicate the current local time.
  - The second hand indicates second(s) of the main time.
  - Function hand II stops at "0" position.

### [How to set local alarm time]

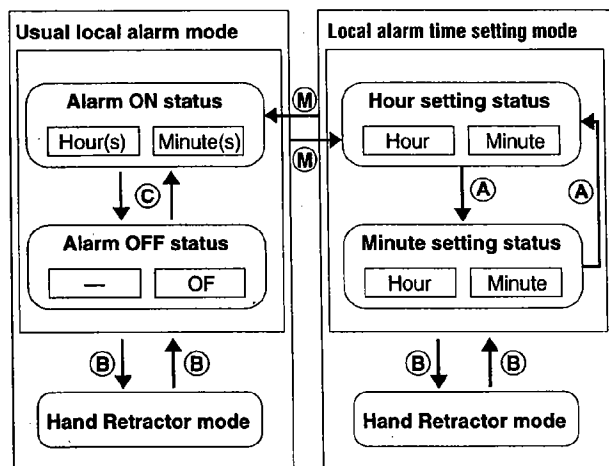
- (1) Press button **(M)** to switch the mode to "L-AL" (local alarm mode).
- (2) Pull button **(M)** out to the setting position, and the watch enters the setting mode.
  - The hour indication of the local alarm time appears on digital display I and starts blinking.
  - The digital display II shows the minute(s) of the local alarm time.
- (3) Press button **(C)** to set the hour(s) of the local alarm time.
  - In the local alarm setting mode, the hour(s) can be set in the 24-hour system only.
  - If button **(C)** is left pressed, the hour(s) can be set quickly.
- (4) Press button **(A)** to switch from the hour setting status to the local alarm minute setting status.
  - The minute indication of the local alarm time appearing on digital display II starts blinking.
- (5) Press button **(C)** to set minute(s) of the local alarm time.
  - If button **(C)** is left pressed, the minute can be set quickly.
- (6) If button **(A)** is pressed once more, the watch returns to the hour setting status of the local alarm setting mode.
- (7) If button **(M)** is pressed in to the normal position in the alarm setting status, the watch returns to the local alarm time indication mode (alarm on).
  - \* If button **(B)** is pressed in an alarm time setting status, the watch enters the Hand Retractor mode.

### [How to distinguish between the local alarm time in AM and that in PM]

- (1) In case the local alarm time has been set.
  - Press button **(A)** in the alarm mode, and "AM" or "PM" appears on digital display II.
- (2) In case no local alarm time has been set.
  - Press button **(A)** in the local alarm mode, and "OF" appears on digital display II.







### [How to switch the alarm ON/OFF]

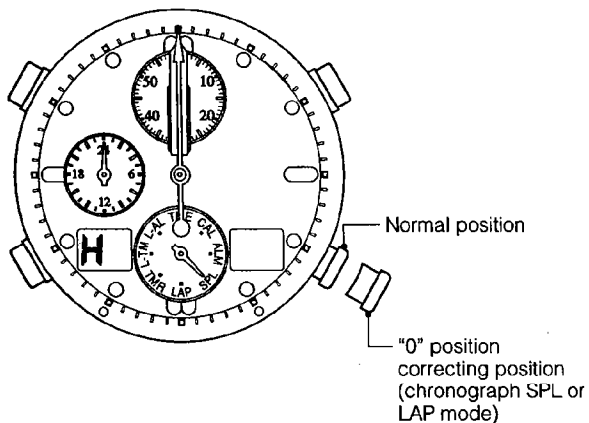
- (1) Each time button (C) is pressed in the local alarm mode, the alarm is switched on and off alternately.

### [Alarm monitor]

- (1) Press button (C) for 2 seconds or more in the local alarm time indication status, and the alarm will continue to sound while button (C) is being pressed.

## §15. SETTING HANDS TO "0" POSITION

- The watch indication may become disordered because of static electricity or strong shock given to it. If either occurs, check each hand for its correct positioning at "0" point and correct its positioning if necessary.



### [Indication after the mode is shifted to the "0" position correcting mode]

- The second hand moves to the point that is memorized as the 0 second position, and stops there.
- The 24-hour, hour, minute and function II hands move to the points that are memorized as their respective "0" positions, and stop at those points.
- The digital display I shows H, S or F.
- The digital display II shows nothing.
- Even in the "0" position correcting mode, the watch continues to run normally in both the main time and local time.
- If the watch is set in the "0" position correcting mode during a time check in the SPL chronograph, LAP chronograph or time mode, the chronograph or timer continues the time check without interruption.

### [How to correct "0" position]

- (1) Press button (M) to switch the watch to the SPL chronograph or LAP chronograph mode.
- (2) Pull button (M) out to the "0" position correcting position.
- (3) The digital display I shows "H", "S" or "F."
- (4) Press button (B). Each time button (B) is pressed, the indication on the digital display changes in sequence from "H" to "S", "S" to "F", "F" to "H", "H" to "S" and so on.
  - When "H" appears on the display. "0" position of the 24-hour, hour and minute hands can be corrected.
  - When "S" appears on the display. "0" position of the second hand can be corrected.
  - When "F" appears on the display, "0" position of the function hand can be corrected.



- (5) Press button **(A)** or **(C)** to set each hand at the correct "0" position.
  - Each time button **(A)** is pressed, the hands move by one step clockwise. If button **(A)** is left pressed, the hand moves clockwise continuously for quick adjustment.
  - Each time button **(C)** is pressed, the hands move by one step counterclockwise. If button **(C)** is left pressed, the hand moves counterclockwise continuously for quick adjustment.
- (6) When button **(M)** is pressed in to the normal position, the current positions of all the hands are memorized as their respective "0" positions.

## §16. ALL RESET

- If the watch malfunctions (no indication on the display, alarm does not stop sounding, etc.) after the battery was replaced or it was affected by a strong shock, perform ALL RESET according to the following procedure.

### [How to perform ALL RESET]

- (1) Pull button **(M)** out to the time setting position.
- (2) Press buttons **(A)**, **(B)** and **(C)** simultaneously.
  - While buttons **(A)**, **(B)** and **(C)** are being pressed, the digital displays I and II show nothing.
- (3) When the buttons are released from pressing, all characters on the displays will be highlighted.
- (4) Press button **(B)** to set the watch into the "0" position correcting mode.
- (5) Press button **(A)** or **(C)** to set each hand at the correct "0" position.
  - For details of "0" position correction, refer to §15. SETTING HANDS TO "0" POSITION.
- (6) Press button **(M)** in to the normal position.
  - The watch beeps for 2 seconds for confirmation, and the second, minute, hour, 24-hour, function hand II start moving for demonstration.
 That is all for resetting the watch. Before use, set the watch correctly for the respective modes.

### [Watch status in each mode after ALL RESET and ZERO POSITIONING]

After the watch was reset in whole, its indications in the respective modes are shown below.

- Time mode: 12:00:00 AM
- Calendar mode: Wednesday, January 1, 1997
- Alarm mode: 12:00 AM, in alarm OFF status
- SPL chronograph mode: 0:00:00:00, in reset status
- LAP chronograph mode: 0:00:00:00, in reset status
- Timer mode: 60 minutes 00 second, in set status
- Local time mode: 12:00:00 AM
- Local alarm mode: 12:00 AM, in local alarm OFF status





# PRECAUTIONS ABOUT CARE AND HANDLING OF WATCHES

**CITIZEN®**

## TEMPERATURE CARE

Avoid temperature extremes. Exposing your watch to high temperatures, such as placing it on the dashboard of a vehicle or use in a hot tub, may cause the watch to malfunction, shorten battery life or damage certain components. Leaving the watch in extreme cold temperatures may cause irregular timekeeping until the watch returns to normal operating temperature.

## SHOCK-RESISTANT

The watch may be worn while playing golf or other activities, but avoid severe shocks such as dropping it on a hard surface.

## MAGNETIC-RESISTANT

No problem should occur from using the watch around ordinary household electric appliances such as TV sets or stereos. Keep away from magnets.

## CHEMICAL/GAS RESISTANT

Do not expose the watch to chemicals or gases for long periods.

## WATCH CLEANING

Stains, waterspots and accumulated dirt on the case, crystal or band should be removed with a soft cloth to prevent damage and premature wear.

## HANDLING OF WATER-RESISTANT WATCHES

Although water-resistant watches are warranted, steps should be taken to avoid damage that may result from accidents or mishandling:

- Do not operate the crown or push-button in the water or while the watch is wet. Tighten screw lock crown completely.
- Should the watch become immersed in water, dry it off right away. If the watch comes in contact with salt water, be sure to rinse it thoroughly in warm fresh water to remove any trace of salt.
- If a watch is wet from cleaning or by accident, never store it in a closed container. It should be dried immediately or taken to a watchmaker or jeweler if moisture is inside the case to prevent damage from rust.
- Vital components necessary to resist the entrance of moisture deteriorate with time and use. Gaskets, crowns and other materials should be replaced every year or two to ensure

that water resistant quality remains at factory specifications.

## CARE FOR METAL BRACELETS

To extend the life and maintain the good appearance of the metal watch bracelet, the following recommendations are given:

- Be aware that since the watch and bracelet is worn next to the skin, it collects dust and perspiration and becomes soiled if not cleaned regularly. This is particularly true of the inner parts of the links or mesh of the bracelet.
- Soil and rust, when present in a bracelet, are dissolved by perspiration and can cause staining of cuffs and irritation of the skin in some instances.
- Heavy perspiration should be wiped off the watch and bracelet with a soft dry cloth. The bracelet should be cleaned occasionally by using an old toothbrush and warm soapy water after which the soap is thoroughly rinsed with clear water and the bracelet dried completely. The foregoing manner of cleaning should not be done if the watch is not water-resistant but should instead be done by your jeweler.





## CARE FOR STRAPS

### LEATHER

- Heavy perspiration, if not removed from a leather strap, can wash out the natural oils and cause the leather to become dry and deteriorate. Any moisture should be blotted with a soft dry cloth or paper towel and the strap allowed to dry naturally.
- Salt residue and soil can be removed from the leather by cleaning with a dampened soft cloth and mild soap or saddle soap.
- Occasionally, the inside surface of the strap should be cleaned by using a soft cloth dampened with alcohol.
- The strap should always be worn a little loosely (one finger space between wrist and strap) to allow air to circulate thus causing any moisture to evaporate.

### RUBBER

- Rubber straps should be washed frequently with mild soap and warm water using a soft brush.
- Thorough cleaning, using the same method, should especially be done after use in salt water.
- Solvents, oils, perspiration, tanning lotion and salt can cause rubber to deteriorate if not removed.

Marking on the Dial	Marking on the Caseback	 Face washing, splashes, sweat, raindrops, etc.	 Swimming	 Skin diving (diving without air tanks)	 Scuba diving (diving with air tanks)	Water-resistant characteristics
NONE	NONE	NO	NO	NO	NO	Non water-resistant watch and must be kept away from water.
NONE	WATER RESIST	OK	NO	NO	NO	An ordinary water-resistant watch and can withstand splashes, sweat, rain-drops and etc. for daily life use.
WR100M WR10bar WR150M	WATER RESIST	OK	OK	OK	NO	For frequent use with water. It is not specially designed for scuba diving.
WR200M	WATER RESIST	OK	OK	OK	OK	For skin and scuba diving. Usable up to the respective indicated depths.



## Water Resistance

The water-resistant quality of our timepieces is offered in varying degrees depending on the model. This ranges from non-water resistant models to those suitable for SCUBA diving. Water resistance of our timepieces is measured in BAR or Barometric Pressure. Each BAR of pressure is equal to 14.5 pounds per square inch of pressure.

Water resistance is measured when the watch is at a static, or motionless state. As the watch is moved in water, such as from the motion of swimming, pressure is added from velocity. While you may be swimming in a pool at surface level, the watch may be experiencing forces equal to that of 100 feet of water pressure (3 BAR). Diving into a pool can cause forces on the watch to exceed those pressures. As such, you should always allow a margin of safety when exposing your watch to moisture. Never "push the limit" of the degree of water resistance of your timepiece.

A primary factor to keep in mind about water resistance is that periodic maintenance is needed to maintain original factory specifications for water resistance. When a watch is new, it meets specifications for water resistance as indicated on the case back. However, as the watch ages, the gaskets that seal the watch become dry and brittle, diminishing its water resistant quality. Exposure to environments such as chlorinated pools, salt water or soaps from showering can accelerate drying of the gaskets. We recommend that the gaskets be changed at least every 18 to 24 months to maintain the water resistant quality of your timepiece. If the watch is frequently exposed to chlorinated pools, soaps salt water, etc., we recommend that the gaskets be changed on a yearly basis.

From time to time, you may notice condensation that appears then goes away after a short period of time. This is a normal occurrence and happens primarily from sudden temperature changes. When there are sudden temperature changes such as entering a cool building from the hot out of doors, or jumping into pool on a hot day the watch may fog. Conversely, if you go to the cold outdoors from a warm building, fogging may occur. As long as the fogging clears in a short period of time, there is no need for concern.

Be sure the crown is completely pushed in prior to any contact with moisture. If your model is equipped with a screw down crown, be sure it is properly seated against the case. Do not operate the crown or any push button when the watch is wet as this may allow the entrance of moisture. . If at anytime, you notice moisture in your timepiece that does not clear in a short period of time, you should send your timepiece as soon as possible to the nearest Authorized Service Center for inspection.

You can determine the level of water resistance of our watches from the markings on your case-back. Additionally, models that are water resistant to 100 or 200 meters have an indication on the dial as well. The case-backs and dials are normally marked as follows:

### **The case back has no indication of water resistance**

This indicates the watch is a non water-resistant model and is not designed for contact with moisture at all. Caution should be exercised to avoid any contact with moisture, such as when washing your hands or from a rainstorm.

### **"Water Resist"**

This watch is designed to withstand water from accidental splashing, such as from washing your hands or rain. Any submersion into water may result in the entrance of moisture.

### **"Water Resist 10BAR" or "W.R. 10BAR", Dial marked "WR100"**

This watch is designed to withstand water pressure up to 333 feet. This includes water exposure from accidental splashing and rain, but also from showering, swimming in a pool and snorkeling. Be sure to rinse the watch with fresh water after exposure to a chlorinated pool, salt water, soaps, etc. After rinsing with fresh water, be sure to dry the exterior with a soft cloth.

### **"Water Resist 20BAR" or "W.R. 20BAR", Dial marked "WR200"**

This watch is designed to withstand water pressure up to 666 feet. This includes all exposure to water up to and including recreational SCUBA diving. Be sure to rinse the watch with fresh water after exposure to a chlorinated pool, salt water, soaps, etc. After rinsing with fresh water, be sure to dry the exterior with a soft cloth.

### **Special Note about Jacuzzis and Hot Tubs**

The various components used in the manufacture and assembly of your watch expand at various rates. This results in a loss of the sealing capabilities of gaskets, which may allow moisture to enter. In addition, heat from these sources can cause deformation of certain materials leading to mechanical failures. For these reasons, you should remove your watch before entering a hot tub or Jacuzzi.