

WATCH, WRIST: DIGITAL

MILITARY SPECIFICATION  
TYPE III - CLASS A - SELF-LUMINOUS AUTORANGING CHRONOGRAPH

OPERATING INSTRUCTIONS

1. GENERAL

This fine quartz LCD chronograph has multiple timekeeping functions - hours, minutes, seconds, month, date, day of the week, 12 or 24 hour time, stopwatch event timing, stopwatch lap timing, and a 24 hour alarm as an added feature. The accuracy of the watch under normal conditions will be within 0.5 seconds per day.

This very durable watch is water resistant to a depth of 100 ft. and withstands the shock of being dropped 30" onto a hardwood surface. However, as with any precision instrument, care in handling should be practiced and any harsh or abusive treatment should be avoided.

This model watch has continuous back lighting by the use of tritium filled sealed glass vials together with phosphorescent powders that make the time visible in the dark.

2. STARTING THE WATCH

The watch is normally supplied with the battery installed so that it should be running when received.

3. THE NORMAL TIME MODE

The normal time display is the continuous display of hours/minutes/seconds with an indicator bar over the day of the week. If the normal time is not being displayed, press the Mode Button, (Button No. 1) once or twice as necessary to obtain the normal time display. Refer to illustration as to location of various mode buttons.

If the normal time display is not visible, then check the battery by removing the back and replacing the battery with a new one. See "Replacing the Energy Cell (Battery)".

4. SELECTING 12-HOUR OR 24-HOUR TIME

When received your chronograph will normally be set in the 24 hour time display which can be switched between 12 hour or 24 hour without affecting time accuracy or any other mode. To switch from 24-hour to 12-hour time, or vice versa, with the watch in the normal time mode, press and hold the Date/Select Button (No. 2), then press the Mode Button (No. 1) and release both buttons. Note there is no difference in the display of 12-hour and 24-hour time before 1 PM.



## 5. SWITCHING MONTH/DATE DISPLAY

You can switch the displayed positions of month and date while in the normal time mode without affecting any other chronograph operation. Press and hold the Date/Select Button (No. 2), then press the Advance Button (No. 3) to switch month and date positions and release both buttons. For example: the display can read either:

12 17 or

17 12 for December 17

## 6. SETTING THE WATCH

### A. ENTERING TIME-SET MODE

1. Press and hold the Mode Button (No. 1) for about 3 seconds until all indicator bars along the top of the display (above the day of the week markings) appear and the indicator bar above "MO" (Monday) blinks. Disregard other indicators.
2. Press and release the Mode Button (No. 1) again. The indicator bar above "TU" (Tuesday) blinks to indicate Time-Set Mode and the seconds blink to indicate "Seconds-Fast-Sync Operation" is ready.

### B. SETTING SECONDS FAST SYNC

This step allows you to synchronize the seconds of your chronograph to your local time. If your chronograph is already within 30 seconds of the local time, this step is the only one necessary to set the time.

At the exact time that the seconds of the local time reference changes from 59 to 00, press the Advance Button (No. 3) once, then release. The seconds are then synchronized.

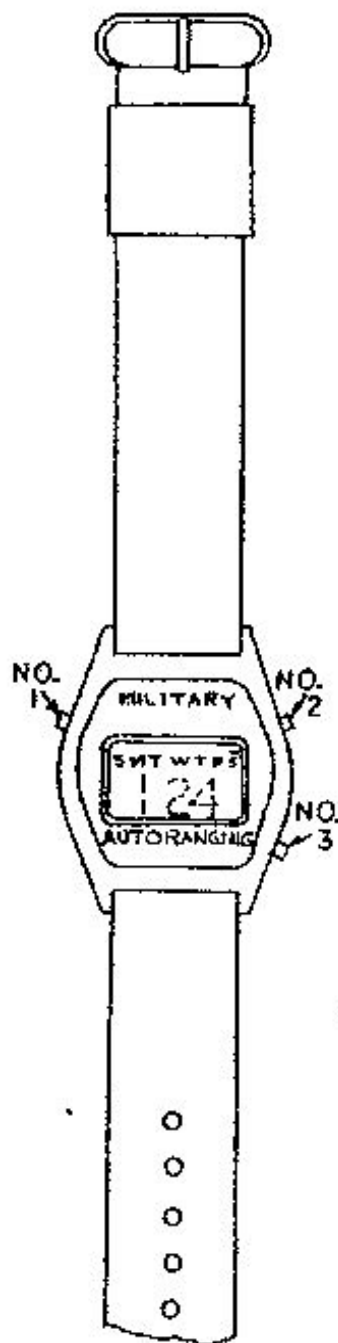
### C. SETTING MINUTES

1. With the watch still in the time-set mode press and release the Date/Select Button (No. 2). The indicator bar above "TU" and the minutes blink.
2. Press the Advance Button (No. 3) (hold in for rapid advance) until the correct minutes setting appears in the display. Do not set minutes ahead. Set the actual time.

### D. SETTING HOURS

1. With the watch in the time-set mode press and release the Date/Select Button (No. 2) until the indicator bar above "TU", the hours and an "A" or "P" blink.
2. Press the Advance Button (No. 3) (hold in for rapid advance and press and release for slow advance) until the correct hours appear. Be sure an "A" appears when setting for AM or "P" for PM. If the hours count past 12 when setting (13, 14, 15, etc.)

the chronograph is in the 24-hour time display. To set PM time while in the 24-hour time display, set the hours to the local hours plus 12 (3:00 PM + 12 = 15:00). (You can change between 12-hour or 24-hour time after you have finished setting your chronograph).



#### E. SETTING MONTH AND DATE

1. With the watch in the time-set mode press and release the Date/Select Button (No. 2) until the day indicator bar only is visible (not blinking) and the right number blinks.
2. Now determine if the blinking number is month or date by pressing and holding the Advance Button (No. 3). If the blinking number advances past 12 and counts to 31, the blinking number is the date. Press the Advance Button (No. 3) until the correct date appears and proceed to the next step. If blinking number only advances to 12 and then starts over at 1, it is the month. Press the advance button until the correct month appears.
3. Press and release the Date/Select Button (No. 2). Now the left number segment is blinking. If the date was set in step 2, press the Advance Button (No. 3) (hold for rapid advance and press only for slow advance) until the correct month appears. If the month was set in 2, press the Advance Button (No. 3) until the correct date appears. You can switch the month/date positions after you have finished setting your chronograph.

#### F. SETTING DAY OF THE WEEK

1. Watch must be in time-set mode. Press and release the Date/Select Button (No. 2) until only one day indicator bar is visible and blinking. Month and date will also be displayed.
2. Press the Advance Button (No. 3) until the blinking bar appears over the correct day of the week.
3. Press and release the Mode Button (No. 1). Your chronograph is now in the normal mode and should show the correct local time. If not, repeat the setting procedure.

### 7. STOPWATCH OPERATIONS

#### A. ENTERING THE STOPWATCH MODE

1. Press and release the Mode Button (No. 1) to enter or exit the stopwatch mode. When in the stopwatch mode, both the indicator bars above "SU" (Sunday) and "SA" (Saturday) blink.
2. A blinking indicator bar over "SU" and "SA" means the display is showing minutes/seconds/hundredths of seconds. If the bar over "SU" only is blinking, the display is showing hours/minutes/seconds.

You can exit the stopwatch mode without affecting the stopwatch operation in progress. However, you must re-enter the stopwatch mode to change any stopwatch operation. The stopwatch display indicates minutes, seconds and tenths of seconds up to an accumulated time of 1/2 hour. After 1/2 hour the display switches to hours/minutes and seconds and accumulates time for up to 24 hours.



#### B. CLEARING THE STOPWATCH

1. After using the Mode Button (No. 1) to enter the stopwatch mode, if the display does not show "0-00-0", perform the following steps.
2. If the indicator bar over "TH" (Thursday) is blinking, press the Lap/Clear Button (No. 3) and proceed to 3.
3. If the indicator bar over "FR" (Friday) is blinking, press the Lap/Clear (No. 3) to clear the stopwatch. Otherwise, press the Start/Stop Button (No. 2) then the Lap/Clear Button (No. 3) to clear the stopwatch.

#### C. TIMING SINGLE OR MULTIPLE EVENTS (INTERRUPTED CUMULATIVE TIMING)

1. Press the Mode Button (No. 1) to enter the stopwatch mode.
2. Clear the stopwatch if necessary (as in 7B).
3. Press the Start/Stop Button (No. 2) to start the timer.
4. Press the Start/Stop Button (No. 2) to stop the timer and display event time. The indicator bar over "FR" (Friday) now blinks to show the timer is stopped.
5. Repeat 3 and 4 to accumulate time of several event terminations in sequence.
6. When the timer is stopped (blinking indicator bar over "FR") press the Lap/Clear Button (No. 3) to reset the stopwatch to zero.
7. Press the Mode Button (No. 1) to return the normal time display. NOTE ONCE AGAIN: You can exit the stopwatch mode without affecting the stopwatch operation in progress, however, you must re-enter the stopwatch mode to change any stopwatch operation.

#### D. TIMING LAPPED (SPLIT TIME) EVENTS

1. Press the Mode Button (No. 1) to enter the stopwatch mode.
2. Clear the stopwatch if necessary.
3. Press the Start/Stop Button (No. 2) to start the timer.



4. Press the Lap/Clear Button (No. 3) at the end of the first lap or checkpoint. The indicator bar above "TH" (Thursday) blinks indicating lap time is displayed, the solid bar over "FR" (Friday) indicates the stopwatch is still running.
5. Press and release the Lap/Clear Button (No. 3) again to return actual running time to the display (the bar over "TH" does not blink).
6. Repeat steps 4 and 5 for each additional lap or checkpoint. (The time in the display is the total time not individual lap time).
7. Press the Start/Stop Button (No. 2) at the end of the final lap. If the indicator bars over "TH" (Thursday) "FR", are both blinking, the last lap time taken is in the display. Press and release the Lap/Clear Button (No. 3) to display the final accumulated time. (The bar over "FR" is blinking, the bar over "TH" is not blinking.)
8. When the bar over "FR" is blinking and the bar over "TH" is not blinking, pressing the Start/Stop Button (No. 2) will restart the timer at the displayed time or pressing the Lap/Clear Button (No. 3) will reset the timer to zero.
9. Press the Mode Button (No. 1) to return to normal time.

NOTE: you can exit the stopwatch mode without affecting the stopwatch operation (except lap time) in progress. However, you must re-enter the stopwatch mode to change any stopwatch operation.

#### E. TIMING EVENTS WITH TWO PARTICIPANTS

1. Press the Mode Button (No. 1) to enter the stopwatch mode.
2. Clear the stopwatch if necessary.
3. Press the Start/Stop Button (No. 2) to start the timer.
4. Press the Lap/Clear Button (No. 3) when the first participant finishes (bar over "TH" blinks).
5. Press the Start/Stop Button (No. 2) to stop the timer when the second participant finishes. (Bar over "FR" also blinks.)
6. Record the first participant's time which is displayed. (Bar still blinks over "TH" - as well as over "FR".)
7. Press the Lap/Clear Button (No. 3) to display the second participant's time (bar over "TH" DOES NOT BLINK) but bar over "FR" does blink.
8. Press the Lap/Clear Button (No. 3) to reset the stopwatch to zero.
9. Press the Mode Button (No. 1) to return to normal time.

8. ALARM OPERATIONSA. ENTERING ALARM SET MODE

1. As an added feature, your chronograph has an alarm time which can be set without affecting any other mode. The display should show normal time before performing Step 2.
2. Press and hold the Mode Button (No. 1) about 3 seconds until the indicator bars appear above all seven days of the week. The indicator bar above "MO" (Monday), the hours number and "A" or "P" all blink.

B. SETTING ALARM HOURS

1. Press the Advance Button (No. 3) (hold in for rapid advance) until the desired alarm hour appears with "A" for AM or "P" for PM.

C. SETTING ALARM MINUTES

1. Press and release the Date/Select Button (No. 2). Now the indicator bar over "MO" and the minutes numbers are blinking.
2. Press the Advance Button (No. 3) (hold for rapid advance) until the desired alarm "minutes" appears.
3. Press and release the Mode Button (No. 1). Normal time display returns and the alarm on symbol "ccc" appears on the right side of the display immediately above the "seconds".

NOTE: If neither the Date/Select Button (No. 2) nor the Advance Button (No. 3) are pressed while in the "Alarm Set Mode" the Mode Button (No. 1) must be pressed twice to return to normal display time.

D. TURNING ALARM OFF OR ON

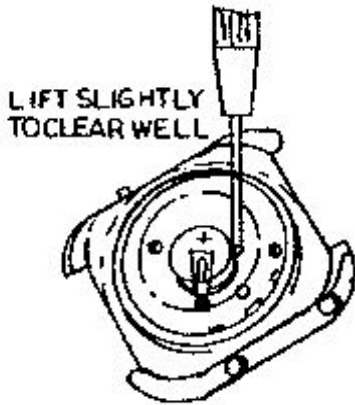
1. Setting the alarm will automatically turn on the alarm and the watch will produce a beeping tone at the set alarm time for either 20 or 60 seconds every 24 hours. The symbol of sound waves in front of the horn signifies that the alarm mode is activated.
2. To turn the alarm off or on while in the normal time mode, press and hold the Advance Button (No. 3) and press the Date/Select Button (No. 2).

9. REPLACING THE ENERGY CELL (BATTERY)

1. When the display goes out, it is time to replace the battery. Mallory Duracell 10L 122, Union Carbide NC 389 or an equivalent watch battery can be used. DO NOT use a hearing aid or mercury battery.

BAT 391





2. Place watch face down on a soft cloth or pad. Remove the back by placing a suitable screw driver or similar bladed device into the slot at the edge of the case back and gently lift up while twisting. Lift up the side of the battery away from the hold-down clip and pull out of the well as shown in the illustration.

3. To replace battery lift up hold-down clip and insert battery "+" side up.

**CAUTION:** Be careful not to loosen or remove module or overbend the battery spring-clip.

#### 10. CARE OF THE WATCH

The nylon strap can be cleaned with water and mild soap. Rinse well and allow to dry.

On cleaning the exterior of the watch, avoid strong chemicals such as cleaning solvents, aerosol sprays, etc. which may destroy the seals and the finish.

For best results, avoid harsh or abusive treatment.

For safe watch storage, extended exposure to very hot or cold temperatures will affect the accuracy of the watch and may require resetting.

#### 11. WARRANTY AND SERVICE

##### A. THIS WATCH IS WARRANTIED AS FOLLOWS:

1. The workmanship of this chronograph watch is of a quality consistent with commercial production standards and practices. All finished surfaces have been protected against corrosion or damage during manufacture prior to delivery. All material is of uniform quality and condition and free from defects which may adversely affect the endurance or wear resistance of the watch.
2. This watch is warrantied to the original purchaser for a period of one (1) year from date of shipment as marked on the inside of the case back.
3. This warranty does not cover the strap or batteries, or wear on the case or lens.

##### B. SERVICE

###### 1. WARRANTY SERVICE AND OUT-OF-WARRANTY SERVICE

During the above one (1) year warranty period, your watch will either be repaired or replaced with a reconditioned model at no charge when the watch is returned to the manufacturer. After expiration of the one (1) year warranty period repairs will be charged for according to service required.

###### 2. MAILING INSTRUCTIONS

Enclose a written explanation of the problem with the watch.

Wrap the watch in tissue or similar soft packing material and enclosed it in a strong, crushproof mailing carton.

Be sure to include complete return address.

Stocker & Yale strongly recommends that you insure the product for value prior to mailing.

Send to: Stocker & Yale, Inc., P.O. Box 494, Beverly, MA. 01915.