

Instruction Manual and Warranty

Congratulations on acquiring this timepiece. Every watch is masterfully handcrafted by the world's most skilled watchmakers, using the finest components and materials available.

## TABLE OF CONTENTS

Care and Maintenance .....
Operating Instructions ..... 2
Automatic Watches ..... 20
Chronograph Timer ..... 21
Functions Moveable Bezels
Functions Moveable Bezels ..... 23
World Timer ..... 24
Limited Two Year
25
Warranty

## CARE AND MAINTENANCE

Automatic watches should be serviced every 3-5 years to ensure optimal performance. Routine maintenance includes complete disassembly, cleaning, lubrication of the movement and reassembly by a professional watch technician. For battery replacement on quartz watches, consult a professional watch repair center.

Important note: Some watches have screw-in crowns and or pushers that must be screwed in tightly to prevent moisture from entering the case. Before exposing the watch to moisture always ensure the crowns and pushers are properly screwed in. The warranty does not cover damage caused by water infiltration resulting from failure to screw in crowns or pushers or from leaving the crown out.

## Preventative Maintenance

* Avoid placing watch on or near speakers or electrical equipment with magnetic fields. Always rinse the watch with warm water after swimming. Avoid thermal or other types of shocks, extreme temperatures and steam. Avoid direct contact with all chemical products, solvents, detergents, perfumes etc. since they may damage the bracelet, leather strap, case or gaskets.
* Clean metal bracelets and water resistant watches with warm water and dry with a soft cloth.
To preserve the condition of the watch's leather strap:
*Avoid contact with water, moisture, cosmetics, and prolonged exposure to sunlight.
* 

Under normal conditions, a leather strap should last approximately 12 months.

## OPERATING INSTRUCTIONS

Carefully follow the care and maintenance instructions in this manual. Although one watch style is illustrated per watch movement, the movement and instructions may apply to more than one watch style. To determine the appropriate watch movement and instructions for your watch, identify the watch from the manual whose sub dial and day/date functions and positions exactly match those on the dial of your watch regardless of the design.
Standard Model ..... 3
Calendar Model ..... 3
CAL GPOO ..... 4
CAL OSIO ..... 5
CAL OS20 ..... 6
CAL OS60 ..... 7
CAL 6 P23 ..... 8
CAL 6 P27 ..... 9
CAL 8215 ..... 11
CAL VD56B ..... 12
CAL VD54 ..... 13
CAL VD57 ..... 14
CAL 515.24 ..... 15
CAL 5040 D ..... 16
CAL 7750 ..... 18
CAL 7753 ..... 19

## Stondard Model

## To set the time :

1.Gently pull crown to position 2.
2. Rotate crown in either direction to the desired time.
3. Push crown back to position 1.


## Colendor Model

## To set the time :

1.Gently pull crown to position 3.
2.Rotate crown in either direction to the desired time.
3.Push crown back to position 1.

Note:
Never set the date between 9:30 PM and 3:00 AM.
To set the date:


1. Gently pull crown to position 2.
2. Rotate crown clockwise until the desired date appears in the date window.
3. Push crown back to position 1.

# INSTRUCTION MANUAL FOR MIYOTA WATCH MOVEMENT CALIBER NO. GP00 BATTERY: SR920SW 

A) DISPLAYS
B) SETTING THE TIME
C) SETTING THE DATE
D) SETTING THE 2nd TIME (24 Hours)

## A) DISPLAYS



## B) SETTING THE TIME

1. Pull the crown out to the 2nd position.
2. Turn the crown to set hour and minute hands.
3. When the crown is pushed back to the normal position, second hand begins to run.
C) SETTING THE DATE
4. Pull the crown out to the 1 st position.
5. Turn the crown clockwise to set the date.
*If the date is set between the hours of around 9:00 PM and 2:00 AM, the date may not change on the following day.
6. After the date has been set, push the crown back to the normal position.
D) SETTING THE 2nd TIME (24 Hours)
7. Pull the crown out to the 1 st position.
8. Turn the crown counter-clockwise to set the 2 nd time $(24 \mathrm{H})$.
9. After the 2 nd time $(24 \mathrm{H})$ has been set, push the crown back to the normal position.

# INSTRUCTION MANUAL FOR MIYOTA WATCH MOVEMENT CALIBER NO. 0S10/0S1A <br> CHRONOGRAPH FUNCTION: CENTER SECOND HAND CHRONOGRAPH $1 / 1 \mathrm{sec}$. Timing up to 11 hours 59 minutes 59 seconds <br> BATTERY: SR927W 

A) DISPLAYS AND BUTTONS
B) SETTING THE TIME
C) SETTING THE DATE
D) USING THE CHRONOGRAPH
E) CHRONOGRAPH RESET (INCL. AFTER REPLACING BATTERY)
A) DISPLAYS AND BUTTONS


## B) SETTING THE TIME

1. Pull the crown out to the 2 nd position.
2. Turn the crown to set hour and minute hands.
3. When the crown is pushed back to the normal position, small second hand begins to run.

## C) SETTING THE DATE

1. Pull the crown out to the 1st position.
2. Turn the crown counter-clockwise to set the date.
*If the date is set between the hours of around 9:00 PM and 1:00 AM, the date may not change on the following day.
3. After the date has been set, push the crown back to the normal position.

# INSTRUCTION MANUAL FOR MIYOTA WATCH MOVEMENT CALIBER NO. 0S20/0S2A <br> CHRONOGRAPH FUNCTION: CENTER SECOND HAND CHRONOGRAPH $1 / 1 \mathrm{sec}$. Timing up to 59 minutes 59 seconds BATTERY: SR927W 

A) DISPLAYS AND BUTTONS
B) SETTING THE TIME
C) SETTING THE DATE
D) USING THE CHRONOGRAPH
E) CHRONOGRAPH RESET (INCL. AFTER REPLACING BATTERY)

## A) DISPLAYS AND BUTTONS



## B) SETTING THE TIME

1. Pull the crown out to the 2nd position.
2. Turn the crown to set hour and minute hands.
3. When the crown is pushed back to the normal position, small second hand begins to run.
C) SETTING THE DATE
4. Pull the crown out to the 1st position.
5. Turn the crown counter-clockwise to set the date.
*If the date is set between the hours of around 9:00 PM and 1:00 AM, the date may not change on the following day.
6. After the date has been set, push the crown back to the normal position.

# INSTRUCTION MANUAL FOR MIYOTA WATCH MOVEMENT CALIBER NO. 0S60 <br> CHRONOGRAPH FUNCTION: CENTER SECOND HAND CHRONOGRAPH 1/20 sec. up to 11 hours 59 minutes 59 seconds 95 <br> BATTERY: SR927W 

A) DISPLAYS AND BUTTONS
B) SETTING THE TIME
C) SETTING THE DATE
D) USING THE CHRONOGRAPH
E) CHRONOGRAPH RESET (INCL. AFTER REPLACING BATTERY)

## A) DISPLAYS AND BUTTONS



## B) SETTING THE TIME

1. Pull the crown out to the 2 nd position.
2. Turn the crown to set hour and minute hands.
3. When the crown is pushed back to the normal position, small second hand begins to run.
C) SETTING THE DATE
4. Pull the crown out to the 1st position.
5. Turn the crown counter-clockwise to set the date.
*If the date is set between the hours of around 9:00 PM and 1:00 AM, the date may not change on the following day.
6. After the date has been set, push the crown back to the normal position.

# INSTRUCTION MANUAL FOR MIYOTA WATCH MOVEMENT CALIBER NO. 6P23 <br> <br> BATTERY: SR621SW 

 <br> <br> BATTERY: SR621SW}

## FEATURES : ANALOG MULTI-HAND QUARTZ WATCH WITH DATE AND 24HOUR

INSTRUCTION MANUAL
A) DISPLAY
B) OPERATION PROCEDURE
C) SETTING THE TIME (HOUR, 24 HOUR, MINUTE, SECOND)
D) SETTING THE DATE (BY QUICK OPERATION)
A) DISPLAY


NORMAL CROWN POSITION
1ST POSITION QUICK OPERATION - DATE (COUNTERCLOCKWISE)
2ND POSITION TIME SETTING (CLOCKWISE)

# INSTRUCTION MANUAL FOR MIYOTA WATCH MOVEMENT <br> CALIBER NO. 6P27 <br> BATTERY: SR621SW 

FEATURES : ANALOG MULTI-FUNCTION QUARTZ WATCH WITH DAY, DATE AND 24HOUR INSTRUCTION MANUAL
A) DISPLAY
B) OPERATION PROCEDURE
C) SETTING THE DAY AND TIME (HOUR, 24 HOUR, MINUTE, SECOND)
D) SETTING THE DATE (BY QUICK OPERATION)
A) DISPLAY


NORMAL CROWN POSITION
1ST POSITION QUICK OPERATION - DATE (COUNTERCLOCKWISE)
2ND POSITION TIME/DAY SETTING (CLOCKWISE)
B) OPERATION PROCEDURE

1 SETTING THE DAY
SETTING THE TIME (HOUR, 24HOUR, MINUTE and SECOND)
2 SETTING THE DATE

## INSTRUCTION MANUAL FOR MIYOTA WATCH MOVEMENT CALIBER NO. 6P27 CONT.

## C) SETTING THE DAY AND TIME (HOUR, 24 HOUR, MINUTE AND SECOND)

The hour, 24 hour, minute, second and day are set by the same operation.

## SETTING PROCEDURE

| DAY |
| :--- | :--- | :--- | :--- | :--- | :--- |$\rightarrow$ MOUR \& 24HOUR $\rightarrow$ SECOND

## C-1) SETTING THE DAY

Pull the crown out to the 2nd position to stop the second hand at 0 ( 12 o'clock).
Turn the hour/minute hands in a clockwise direction to set a day
In order to set the day, you must advance the hour hand by 24 hours per day.
NOTE:

* If the day is set by turning the crown counterclockwise, there is the possibility the date will not change over.
Do not set the day by turning the crown in counterclockwise direction.
* The day changes somewhere between 0:00a.m. and 5:30a.m. or a little later.


## C-2) SETTING THE TIME

After setting the day, set the hour (and 24hour) and minute hands.
Turn the hour/minute hands in a clockwise direction to set the time.
To ensure time is set accurately, first turn the minute hand 5 minutes ahead of desired time and then turn back (in a counterclockwise) to the desired time.

After setting the time, use a time signal to synchronize the watch by pushing crown to the normal position to start the second hand going.
NOTE:
Make sure you have correctly set AM/PM before setting the time.

## INSTRUCTION MANUAL FOR MIYOTA WATCH MOVEMENT CALIBER NO. 8215

date adjustment $\rightarrow$ day adjustment $\rightarrow$ hand adjustment
(1) Winding the Mainspring

Automatic winding watch can also be hand winded by turning the crown in " $A$ " position.
Wind $15 \sim 20$ times. It will start to move naturally after shaking slightly.
(2) Adjusting date

Adjust the date by rotating the crown left in " B " position.
(3) Adjusting day

Adjust the date by rotating the crown right in " B " position. ※Only 8215
(4) Adjusting hand

Rotate the crown in "C" position and set the standard time.
Then check if it is morning or the afternoon and adjust correctly.

## Day adjusting $※ 8215$



## CAL. VD56B



* Stopwatch $1 / 10$ second hand moves 2 seconds for 1 circle
* Pull the crown to 2 nd click to adjust the stopwatch hand position.
* AC functions is available if stopwatch hand position is disorderly.
* When using AC functions, stopwatch hand moves back and returned to where it was ( second hand moves $1 / 2$ circle counterclockwise and $1 / 2$ circle clockwise, $1 / 10$ second hand moves 1 circle clockwise)


## CAL. VD54 (with date - VD53)

## Chronograph Stopwatch

(1 crown/2 pushers)


## Time Setting

1. Pull crown out to position 2.
2. Set the time by turning the crown.
3. Push the crown back to position 1.

## 24-Hour Sub-Dial Setting

The 24-hour hand moves correspondingly with the hour and minute hands. When setting the time be sure to check that the 24 -hour hand is set properly.

## Using the Stopwatch

Check the stopwatch minute and second hands to see if they are in the $\backslash 230^{\prime \prime}$ position. If not, follow the stopwatch hand adjustment instructions. Pressing A stops and starts the stopwatch. Pressing B controls the split time and resets.

## StopwatciHand Adjustment

1. Pull crown out to the position 2.
2. Press $A$ or $B$ at the same time to reset the stopwatch minute and second hands to the " 0 " position.
3. With each press of $A$ or $B$ ( $A=$ forward, $B=$ back), the hands move once clockwise or counter-clockwise. The hands move quickly if the pushers are kept pressed.

NOTE: If the stopwatch hands move improperly, pull crown out and press $A$ and $B$ at the same time for over 2 seconds. When the pushers are released, the stop-watch second hand will turn counter-clockwise and return to original position.
4. Push crown back to position 1 .

## <<OPERATION -- VD 57 B>>


*The measured time is indicated by the stopwatch hands that move independently of the center hands.

* Stopwatch $1 / 10$ second hand meves for the first minute. After one minute, it indicates the measured time when it is stopped.


## TIME SETTING

* Before setting the time, check that the chronograph measurement is stopped.


1. Pull out the crown to the first click.

2. Turn the crown clockwise until the previous day's date appears.

3. Pull out the crown to the second click when the second hand is at the $120^{\prime}$ clock position. It will stop on the spot and advance the hour and minute hands by tuming the crown

* When the crown is at the second click position. Do not press any button. Otherwise, the chronograph hands will move.


4. Push the crown back in to the normal position in accordance with a time signal.

* Do not set the date between 9:00 P.M. and 1:00 A.M.

Otherwise, the day may not change properly. If it is necessary to set the date during that time period, first change the time to any time outside it, set the date and then reset the correct time.


## Cal. 515.24H, 515.24D

INDICATION: During the calendar jump phase between 10.30 pm and 00.00 am the date can be changed. In this case the date of the following day needs to be set as there will be no jump at midnight.

## Stem position 1

- Home position, watch runs


## Stem position 2

- Quick change of the date ( $\uparrow^{\downarrow}$ clockwise), watch runs
- Quick change of 24 h indication ( $f \mathcal{f}$ anticlockwise), watch runs


## Stem position 3

- Hand-setting, watch stops
- when stem pulled out, save up to $70 \%$ energy

Chronograph Model C (Cal 5040 D)
To set the time :

1. Gently pull crown to position 3 .
2. Rotate crown in either direction to the desired time.
3. Push crown back to position 1 .
To set the date:
4. Gently pull crown to position 2 .
5. Rotate dockwise until the desired date appears in the date window.
6. Push crown back to position 1 .
Using the Chronograph:
Please refer to chronograph functions on page 15.


Note:
Between the date changing phose of 9:00 PM and 12:00 AM the date must be set to the date of the following day.

Setting the timers tozero:
Corrective mode must be started to set the timers backtozero. While in corrective mode the timers must be reset in sequentiol order as described below.
Corrective mode:

1. Pull crown to position 3.
2. Press pusher A and B simultaneously for 2 seconds. (Second hand rototes 360 degrees and corrective mode is activated.)


To resest the 60 second timer:

1. Press pusher A until the timer is of zero.
2. Press pusher B.
3. If the other timers need to be resee then proceed, otherwise push crown back to position 1 .

To reset the $1 / 10$ second timer:

1. Press pusher A until the timer is of zero.
2. Press pusher B.
3. If the 30 minute timer needs to be reset then proceed, otherwise push crown back to position 1 .

To reset the 30 minute timer:

1. Press pusher A until the timer is of zero.
2. Push crown back to position 1 .

## To set the time:

1. Gently pull crown to position 3.
2. Rotate crown counterclockwise until the correct day/date jumps into place at or after 12:00 midnight, then proceed to set the correct time.
3. For precise time setting, move the hands slightly ahead of exact time, then slowly rotate crown clockwise to align with the correct minute marker.
4. Push crown back to position 1 .

To set the date and day:

1. Gently pull crown to position 2.
2. Rotate crown clockwise to set the date.
3. If equipped with a day function, rotate crown counterclockwise to set the day.
4. Push crown back to position 1 .

Note:
*The mechanical automatic chronograph is adjusted by a complicated mechanism triggered between 8:00 PM and 2:00 AM. Avoid any adjustment of the day/date calendar setting and any backward movement of the watch between these hours.

## Automatic Chronograph Cal. (7753)

## To set the time:

1. Gently pull crown to position 3 .
2. Rotate crown counterclockwise until the correct day/date jumps into place at o o ofter $12: 00$ midnight, then proceed to set the correct time.
3. For precise time setting, move the hands slightly ahead of exact time, then slowly rotate crown clockwise to align with the correct minute marker.
4. Push crown back to position 1 .

## To set the dute und duy:

1. Gently pull crown to position 2.
2. Rotate crown clockwise to set the date.
3. If equipped with a day function, rotate crown counterlockwise to set the day.

4. Push crown back to position 1 .

Note:
*The mechanical automatic chronograph is adjusted by a complicated mechanism triggered between $8: 00 \mathrm{PM}$ and 2:00 AM. Avoid any adjustment of the day/date calendar setting and any backward movement of the watch between these hours.

## Automatic Watches

There are two ways to wind an automatic watch:

Manual Winding:

1. Rotate crown clockwise for 20 to 30 times to wind the spring.


Swing Winding:

1. Swing the watch from side to side in a horizontal arc for about 30 seconds.

Note:
When worn at least 14 hours daily, the movement's automatic mechanism will wind the mainspring through normal wrist movement, eliminating the need for manual winding. If the watch is not worn for a period oftime, it should be wound manually prior to wear.

Many automatic watches have a screw-in crown and it is very important the crown is screwed in tightly after all settings are completed. Failure to do so will compromise the water resistance of the watch and void the manufacturers warranty.

## Chronograph Timer Functions

A chronograph is a timekeeping device that measures the time intervals independent of the regular time shown on the watch dial.

Use pushers A and B to operate the chronograph. While running, once the chronograph second hand has completed one rotation, the minute counter will jump ahead one minute. The tenth of a second hand moves to the relevant mark only when the chronograph is stopped, not when the chronograph is running. (Note: all models have the tenth of a second timer).
The hands must be at zero before starting the chronograph. Press pusher B to reset to zero. Never use the chronograph while the crown is pulled out.

## Basic chronograph function:

1. Press pusher A to start.
2. Press pusher A again to stop.
3. Press pusher B to reset.


Split-time function:

1. Press pusher A to start.
2. Press pusher B to momentarily stop.
3. Read off the intermediate time.
4. Press pusher B to resume. The hands will catch up with the event being timed.
5. Press pusher B again to read a second split-ime. Repeat steps 2-4 to take any additional split-times.
6. Press pusher A to stop the chronograph.
7. Take the final time reading.
8. Press pusher B to reset.

## First Place and Runner Up Results

Most chronographs measure first place and runner up results.

1. Press pusher A to start the chronograph.
2. When the winner crosses the finish lie press pusher $B$.
3. When the second runner crosses the finish line press pusher $A$.
4. Note the time of the winner as shown on the dial.
5. Press pusher $B$ and the hands will move to indicate the time for the runner up.
6. Press pusher B again to reset and return all hands to zero.

## Moveable Bezel

Some models include a turning bezel.
To use the bezel as a timing device, follow the usage example as described below.

To keep track of a parking meter which expires in 30 minutes:

1. Confirm the currenttime (ex. 3:45 PM.)
2. Rotate the bezel so that the $\boldsymbol{\nabla}$ is placed at the same
 position as the minute hand (ex. 45 min mark.)

In the diagram on the right, you can see that at current time of 4:05 PM, 20 minutes have elapsed and 10 minutes remain before the parking meter expires.

Note:
When not in use, line up the triangle or dot with the 12:00 marker.

World Timer or GMT (Greenwich Mean Time) watches simultaneously provide the local time in all of the world's time zones, using a 24 hour scale on the watch dial. A rotating bezel indicates the names of 24 cities around the world, one representing each time zone. To determine the local time across all time zones, simply rotate the bezel until the local time in a particular city is accurately aligned on the 24 hour dial scale to the city name on the bezel. For example, if the local time in New York is 12:00, rotate the bezel until New York is aligned with the number 12 on the 24 hour dial scale. Now the local time in any city on the bezel can easily read on the 24 hour scale: local time is 9:00 in Los Angeles, 18:00 in Paris and 2:00 in the morning, the following day in Tokyo.


## LIMITED TWO YEAR WARRANTY

This watches are warranted against material or workmanship defects for a period of two years from the date of purchase.

We will repair or replace, at the Company's discretion, the movement of the timepiece if such movement is defective.This warranty does not cover damage caused by: accidents, misuse, neglect, carelessness or unauthorized tampering and is void if the watch is opened, repaired or serviced by any party other than the ARA exclusive designs. This warranty does not cover batteries, leather straps, bracelets, crystals, cases (including crowns and pushers) or damage due to normal wear and tear. Any other warranty by a retailer is entirely their responsibility. No person or company is authorized to change the terms of this warranty. This warranty gives you specific legal rights. You may also have other statutory rights that may vary from state to state. This is not liable for any incidental or consequential damages occurring from the failure or malfunction of your watch and any recovery may not exceed the dollar amount paid for the timepiece. No other claims under warranty other than these explicitly indicated herein will be admitted. Mailing expenses will be paid by the sender. To receive warranty service, please send the watch, proof of purchase and a check or money order made payable to ARA service center for $\$ 15.00$, directly to the ARA service center at the address listed on page 26. Insure the watch for at least the purchase price when shipping, as we are not responsible for watches lost in transit.

## Limited Two Year Warranty

** Please DO NOT send watch in its original box or packaging.

## ARA Service center 614 W. 6th street Los angeles, CA 90017

## Important

The warranty does not
cover:
Water infiltration due to failure to completely screw in a crown or leaving crown out. Damage resulting from improper handling, lack of care, accidents or normal wear. The watchband, bracelet, case (including crown(s) and pushers), crystal or battery.

## Post-Warranty Sevice

For routine care and maintenance or repairs outside the warranty, consult with your local watch dealer or professional watch technician. Please send the watch directly to the ARA service center for an evaluation and an estimate for repairs. Send the watch and a check or money order made payable to ARA exclusive designs for $\$ 15.00$ directly to the ARA exclusive designs. Insure the watch for at least the purchase price when shipping, as ARA service center is not responsible for watches lost in transit. The watch will be evaluated and a technician will contact you with an estimate for the repairs. Upon approval and payment for the repairs the ARA service center will promptly repair and return your watch.

Congratulations on acquiring this timepiece. Every watch is masterfully handcrafted by the world's most skilled watchmakers, using the finest components and materials available.

## TABLE OF CONTENTS

Care and Maintenance .....
Operating Instructions ..... 2
Automatic Watches ..... 20
Chronograph Timer ..... 21
Functions Moveable Bezels
Functions Moveable Bezels ..... 23
World Timer ..... 24
Limited Two Year
25
Warranty

## CARE AND MAINTENANCE

Automatic watches should be serviced every 3-5 years to ensure optimal performance. Routine maintenance includes complete disassembly, cleaning, lubrication of the movement and reassembly by a professional watch technician. For battery replacement on quartz watches, consult a professional watch repair center.

Important note: Some watches have screw-in crowns and or pushers that must be screwed in tightly to prevent moisture from entering the case. Before exposing the watch to moisture always ensure the crowns and pushers are properly screwed in. The warranty does not cover damage caused by water infiltration resulting from failure to screw in crowns or pushers or from leaving the crown out.

## Preventative Maintenance

* Avoid placing watch on or near speakers or electrical equipment with magnetic fields. Always rinse the watch with warm water after swimming. Avoid thermal or other types of shocks, extreme temperatures and steam. Avoid direct contact with all chemical products, solvents, detergents, perfumes etc. since they may damage the bracelet, leather strap, case or gaskets.
* Clean metal bracelets and water resistant watches with warm water and dry with a soft cloth.
To preserve the condition of the watch's leather strap:
*Avoid contact with water, moisture, cosmetics, and prolonged exposure to sunlight.
* 

Under normal conditions, a leather strap should last approximately 12 months.

## OPERATING INSTRUCTIONS

Carefully follow the care and maintenance instructions in this manual. Although one watch style is illustrated per watch movement, the movement and instructions may apply to more than one watch style. To determine the appropriate watch movement and instructions for your watch, identify the watch from the manual whose sub dial and day/date functions and positions exactly match those on the dial of your watch regardless of the design.
Standard Model ..... 3
Calendar Model ..... 3
CAL GPOO ..... 4
CAL OSIO ..... 5
CAL OS20 ..... 6
CAL OS60 ..... 7
CAL 6 P23 ..... 8
CAL 6 P27 ..... 9
CAL 8215 ..... 11
CAL VD56B ..... 12
CAL VD54 ..... 13
CAL VD57 ..... 14
CAL 515.24 ..... 15
CAL 5040 D ..... 16
CAL 7750 ..... 18
CAL 7753 ..... 19

## Stondard Model

## To set the time :

1.Gently pull crown to position 2.
2. Rotate crown in either direction to the desired time.
3. Push crown back to position 1.


## Colendor Model

## To set the time :

1.Gently pull crown to position 3.
2.Rotate crown in either direction to the desired time.
3.Push crown back to position 1.

Note:
Never set the date between 9:30 PM and 3:00 AM.
To set the date:


1. Gently pull crown to position 2.
2. Rotate crown clockwise until the desired date appears in the date window.
3. Push crown back to position 1.

# INSTRUCTION MANUAL FOR MIYOTA WATCH MOVEMENT CALIBER NO. GP00 BATTERY: SR920SW 

A) DISPLAYS
B) SETTING THE TIME
C) SETTING THE DATE
D) SETTING THE 2nd TIME (24 Hours)

## A) DISPLAYS



## B) SETTING THE TIME

1. Pull the crown out to the 2nd position.
2. Turn the crown to set hour and minute hands.
3. When the crown is pushed back to the normal position, second hand begins to run.
C) SETTING THE DATE
4. Pull the crown out to the 1 st position.
5. Turn the crown clockwise to set the date.
*If the date is set between the hours of around 9:00 PM and 2:00 AM, the date may not change on the following day.
6. After the date has been set, push the crown back to the normal position.
D) SETTING THE 2nd TIME (24 Hours)
7. Pull the crown out to the 1 st position.
8. Turn the crown counter-clockwise to set the 2 nd time $(24 \mathrm{H})$.
9. After the 2 nd time $(24 \mathrm{H})$ has been set, push the crown back to the normal position.

# INSTRUCTION MANUAL FOR MIYOTA WATCH MOVEMENT CALIBER NO. 0S10/0S1A <br> CHRONOGRAPH FUNCTION: CENTER SECOND HAND CHRONOGRAPH $1 / 1 \mathrm{sec}$. Timing up to 11 hours 59 minutes 59 seconds <br> BATTERY: SR927W 

A) DISPLAYS AND BUTTONS
B) SETTING THE TIME
C) SETTING THE DATE
D) USING THE CHRONOGRAPH
E) CHRONOGRAPH RESET (INCL. AFTER REPLACING BATTERY)
A) DISPLAYS AND BUTTONS


## B) SETTING THE TIME

1. Pull the crown out to the 2 nd position.
2. Turn the crown to set hour and minute hands.
3. When the crown is pushed back to the normal position, small second hand begins to run.

## C) SETTING THE DATE

1. Pull the crown out to the 1st position.
2. Turn the crown counter-clockwise to set the date.
*If the date is set between the hours of around 9:00 PM and 1:00 AM, the date may not change on the following day.
3. After the date has been set, push the crown back to the normal position.

# INSTRUCTION MANUAL FOR MIYOTA WATCH MOVEMENT CALIBER NO. 0S20/0S2A <br> CHRONOGRAPH FUNCTION: CENTER SECOND HAND CHRONOGRAPH $1 / 1 \mathrm{sec}$. Timing up to 59 minutes 59 seconds BATTERY: SR927W 

A) DISPLAYS AND BUTTONS
B) SETTING THE TIME
C) SETTING THE DATE
D) USING THE CHRONOGRAPH
E) CHRONOGRAPH RESET (INCL. AFTER REPLACING BATTERY)

## A) DISPLAYS AND BUTTONS



## B) SETTING THE TIME

1. Pull the crown out to the 2nd position.
2. Turn the crown to set hour and minute hands.
3. When the crown is pushed back to the normal position, small second hand begins to run.
C) SETTING THE DATE
4. Pull the crown out to the 1st position.
5. Turn the crown counter-clockwise to set the date.
*If the date is set between the hours of around 9:00 PM and 1:00 AM, the date may not change on the following day.
6. After the date has been set, push the crown back to the normal position.

# INSTRUCTION MANUAL FOR MIYOTA WATCH MOVEMENT CALIBER NO. 0S60 <br> CHRONOGRAPH FUNCTION: CENTER SECOND HAND CHRONOGRAPH 1/20 sec. up to 11 hours 59 minutes 59 seconds 95 <br> BATTERY: SR927W 

A) DISPLAYS AND BUTTONS
B) SETTING THE TIME
C) SETTING THE DATE
D) USING THE CHRONOGRAPH
E) CHRONOGRAPH RESET (INCL. AFTER REPLACING BATTERY)

## A) DISPLAYS AND BUTTONS



## B) SETTING THE TIME

1. Pull the crown out to the 2 nd position.
2. Turn the crown to set hour and minute hands.
3. When the crown is pushed back to the normal position, small second hand begins to run.
C) SETTING THE DATE
4. Pull the crown out to the 1st position.
5. Turn the crown counter-clockwise to set the date.
*If the date is set between the hours of around 9:00 PM and 1:00 AM, the date may not change on the following day.
6. After the date has been set, push the crown back to the normal position.

# INSTRUCTION MANUAL FOR MIYOTA WATCH MOVEMENT CALIBER NO. 6P23 <br> <br> BATTERY: SR621SW 

 <br> <br> BATTERY: SR621SW}

## FEATURES : ANALOG MULTI-HAND QUARTZ WATCH WITH DATE AND 24HOUR

INSTRUCTION MANUAL
A) DISPLAY
B) OPERATION PROCEDURE
C) SETTING THE TIME (HOUR, 24 HOUR, MINUTE, SECOND)
D) SETTING THE DATE (BY QUICK OPERATION)
A) DISPLAY


NORMAL CROWN POSITION
1ST POSITION QUICK OPERATION - DATE (COUNTERCLOCKWISE)
2ND POSITION TIME SETTING (CLOCKWISE)

# INSTRUCTION MANUAL FOR MIYOTA WATCH MOVEMENT <br> CALIBER NO. 6P27 <br> BATTERY: SR621SW 

FEATURES : ANALOG MULTI-FUNCTION QUARTZ WATCH WITH DAY, DATE AND 24HOUR INSTRUCTION MANUAL
A) DISPLAY
B) OPERATION PROCEDURE
C) SETTING THE DAY AND TIME (HOUR, 24 HOUR, MINUTE, SECOND)
D) SETTING THE DATE (BY QUICK OPERATION)
A) DISPLAY


NORMAL CROWN POSITION
1ST POSITION QUICK OPERATION - DATE (COUNTERCLOCKWISE)
2ND POSITION TIME/DAY SETTING (CLOCKWISE)
B) OPERATION PROCEDURE

1 SETTING THE DAY
SETTING THE TIME (HOUR, 24HOUR, MINUTE and SECOND)
2 SETTING THE DATE

## INSTRUCTION MANUAL FOR MIYOTA WATCH MOVEMENT CALIBER NO. 6P27 CONT.

## C) SETTING THE DAY AND TIME (HOUR, 24 HOUR, MINUTE AND SECOND)

The hour, 24 hour, minute, second and day are set by the same operation.

## SETTING PROCEDURE

| DAY |
| :--- | :--- | :--- | :--- | :--- | :--- |$\rightarrow$ MOUR \& 24HOUR $\rightarrow$ SECOND

## C-1) SETTING THE DAY

Pull the crown out to the 2nd position to stop the second hand at 0 ( 12 o'clock).
Turn the hour/minute hands in a clockwise direction to set a day
In order to set the day, you must advance the hour hand by 24 hours per day.
NOTE:

* If the day is set by turning the crown counterclockwise, there is the possibility the date will not change over.
Do not set the day by turning the crown in counterclockwise direction.
* The day changes somewhere between 0:00a.m. and 5:30a.m. or a little later.


## C-2) SETTING THE TIME

After setting the day, set the hour (and 24hour) and minute hands.
Turn the hour/minute hands in a clockwise direction to set the time.
To ensure time is set accurately, first turn the minute hand 5 minutes ahead of desired time and then turn back (in a counterclockwise) to the desired time.

After setting the time, use a time signal to synchronize the watch by pushing crown to the normal position to start the second hand going.
NOTE:
Make sure you have correctly set AM/PM before setting the time.

## INSTRUCTION MANUAL FOR MIYOTA WATCH MOVEMENT CALIBER NO. 8215

date adjustment $\rightarrow$ day adjustment $\rightarrow$ hand adjustment
(1) Winding the Mainspring

Automatic winding watch can also be hand winded by turning the crown in " $A$ " position.
Wind $15 \sim 20$ times. It will start to move naturally after shaking slightly.
(2) Adjusting date

Adjust the date by rotating the crown left in " B " position.
(3) Adjusting day

Adjust the date by rotating the crown right in " B " position. ※Only 8215
(4) Adjusting hand

Rotate the crown in "C" position and set the standard time.
Then check if it is morning or the afternoon and adjust correctly.

## Day adjusting $※ 8215$



## CAL. VD56B



* Stopwatch $1 / 10$ second hand moves 2 seconds for 1 circle
* Pull the crown to 2 nd click to adjust the stopwatch hand position.
* AC functions is available if stopwatch hand position is disorderly.
* When using AC functions, stopwatch hand moves back and returned to where it was ( second hand moves $1 / 2$ circle counterclockwise and $1 / 2$ circle clockwise, $1 / 10$ second hand moves 1 circle clockwise)


## CAL. VD54 (with date - VD53)

## Chronograph Stopwatch

(1 crown/2 pushers)


## Time Setting

1. Pull crown out to position 2.
2. Set the time by turning the crown.
3. Push the crown back to position 1.

## 24-Hour Sub-Dial Setting

The 24-hour hand moves correspondingly with the hour and minute hands. When setting the time be sure to check that the 24 -hour hand is set properly.

## Using the Stopwatch

Check the stopwatch minute and second hands to see if they are in the $\backslash 230^{\prime \prime}$ position. If not, follow the stopwatch hand adjustment instructions. Pressing A stops and starts the stopwatch. Pressing B controls the split time and resets.

## StopwatciHand Adjustment

1. Pull crown out to the position 2.
2. Press $A$ or $B$ at the same time to reset the stopwatch minute and second hands to the " 0 " position.
3. With each press of $A$ or $B$ ( $A=$ forward, $B=$ back), the hands move once clockwise or counter-clockwise. The hands move quickly if the pushers are kept pressed.

NOTE: If the stopwatch hands move improperly, pull crown out and press $A$ and $B$ at the same time for over 2 seconds. When the pushers are released, the stop-watch second hand will turn counter-clockwise and return to original position.
4. Push crown back to position 1 .

## <<OPERATION -- VD 57 B>>


*The measured time is indicated by the stopwatch hands that move independently of the center hands.

* Stopwatch $1 / 10$ second hand meves for the first minute. After one minute, it indicates the measured time when it is stopped.


## TIME SETTING

* Before setting the time, check that the chronograph measurement is stopped.


1. Pull out the crown to the first click.

2. Turn the crown clockwise until the previous day's date appears.

3. Pull out the crown to the second click when the second hand is at the $120^{\prime}$ clock position. It will stop on the spot and advance the hour and minute hands by tuming the crown

* When the crown is at the second click position. Do not press any button. Otherwise, the chronograph hands will move.


4. Push the crown back in to the normal position in accordance with a time signal.

* Do not set the date between 9:00 P.M. and 1:00 A.M.

Otherwise, the day may not change properly. If it is necessary to set the date during that time period, first change the time to any time outside it, set the date and then reset the correct time.


## Cal. 515.24H, 515.24D

INDICATION: During the calendar jump phase between 10.30 pm and 00.00 am the date can be changed. In this case the date of the following day needs to be set as there will be no jump at midnight.

## Stem position 1

- Home position, watch runs


## Stem position 2

- Quick change of the date ( $\uparrow^{\downarrow}$ clockwise), watch runs
- Quick change of 24 h indication ( $f \mathcal{f}$ anticlockwise), watch runs


## Stem position 3

- Hand-setting, watch stops
- when stem pulled out, save up to $70 \%$ energy

Chronograph Model C (Cal 5040 D)
To set the time :

1. Gently pull crown to position 3 .
2. Rotate crown in either direction to the desired time.
3. Push crown back to position 1 .
To set the date:
4. Gently pull crown to position 2 .
5. Rotate dockwise until the desired date appears in the date window.
6. Push crown back to position 1 .
Using the Chronograph:
Please refer to chronograph functions on page 15.


Note:
Between the date changing phose of 9:00 PM and 12:00 AM the date must be set to the date of the following day.

Setting the timers tozero:
Corrective mode must be started to set the timers backtozero. While in corrective mode the timers must be reset in sequentiol order as described below.
Corrective mode:

1. Pull crown to position 3.
2. Press pusher A and B simultaneously for 2 seconds. (Second hand rototes 360 degrees and corrective mode is activated.)


To resest the 60 second timer:

1. Press pusher A until the timer is of zero.
2. Press pusher B.
3. If the other timers need to be resee then proceed, otherwise push crown back to position 1 .

To reset the $1 / 10$ second timer:

1. Press pusher A until the timer is of zero.
2. Press pusher B.
3. If the 30 minute timer needs to be reset then proceed, otherwise push crown back to position 1 .

To reset the 30 minute timer:

1. Press pusher A until the timer is of zero.
2. Push crown back to position 1 .

## To set the time:

1. Gently pull crown to position 3.
2. Rotate crown counterclockwise until the correct day/date jumps into place at or after 12:00 midnight, then proceed to set the correct time.
3. For precise time setting, move the hands slightly ahead of exact time, then slowly rotate crown clockwise to align with the correct minute marker.
4. Push crown back to position 1 .

To set the date and day:

1. Gently pull crown to position 2.
2. Rotate crown clockwise to set the date.
3. If equipped with a day function, rotate crown counterclockwise to set the day.
4. Push crown back to position 1 .

Note:
*The mechanical automatic chronograph is adjusted by a complicated mechanism triggered between 8:00 PM and 2:00 AM. Avoid any adjustment of the day/date calendar setting and any backward movement of the watch between these hours.

## Automatic Chronograph Cal. (7753)

## To set the time:

1. Gently pull crown to position 3 .
2. Rotate crown counterclockwise until the correct day/date jumps into place at o o ofter $12: 00$ midnight, then proceed to set the correct time.
3. For precise time setting, move the hands slightly ahead of exact time, then slowly rotate crown clockwise to align with the correct minute marker.
4. Push crown back to position 1 .

## To set the dute und duy:

1. Gently pull crown to position 2.
2. Rotate crown clockwise to set the date.
3. If equipped with a day function, rotate crown counterlockwise to set the day.

4. Push crown back to position 1 .

Note:
*The mechanical automatic chronograph is adjusted by a complicated mechanism triggered between $8: 00 \mathrm{PM}$ and 2:00 AM. Avoid any adjustment of the day/date calendar setting and any backward movement of the watch between these hours.

## Automatic Watches

There are two ways to wind an automatic watch:

Manual Winding:

1. Rotate crown clockwise for 20 to 30 times to wind the spring.


Swing Winding:

1. Swing the watch from side to side in a horizontal arc for about 30 seconds.

Note:
When worn at least 14 hours daily, the movement's automatic mechanism will wind the mainspring through normal wrist movement, eliminating the need for manual winding. If the watch is not worn for a period oftime, it should be wound manually prior to wear.

Many automatic watches have a screw-in crown and it is very important the crown is screwed in tightly after all settings are completed. Failure to do so will compromise the water resistance of the watch and void the manufacturers warranty.

## Chronograph Timer Functions

A chronograph is a timekeeping device that measures the time intervals independent of the regular time shown on the watch dial.

Use pushers A and B to operate the chronograph. While running, once the chronograph second hand has completed one rotation, the minute counter will jump ahead one minute. The tenth of a second hand moves to the relevant mark only when the chronograph is stopped, not when the chronograph is running. (Note: all models have the tenth of a second timer).
The hands must be at zero before starting the chronograph. Press pusher B to reset to zero. Never use the chronograph while the crown is pulled out.

## Basic chronograph function:

1. Press pusher A to start.
2. Press pusher A again to stop.
3. Press pusher B to reset.


Split-time function:

1. Press pusher A to start.
2. Press pusher B to momentarily stop.
3. Read off the intermediate time.
4. Press pusher B to resume. The hands will catch up with the event being timed.
5. Press pusher B again to read a second split-ime. Repeat steps 2-4 to take any additional split-times.
6. Press pusher A to stop the chronograph.
7. Take the final time reading.
8. Press pusher B to reset.

## First Place and Runner Up Results

Most chronographs measure first place and runner up results.

1. Press pusher A to start the chronograph.
2. When the winner crosses the finish lie press pusher $B$.
3. When the second runner crosses the finish line press pusher $A$.
4. Note the time of the winner as shown on the dial.
5. Press pusher $B$ and the hands will move to indicate the time for the runner up.
6. Press pusher B again to reset and return all hands to zero.

## Moveable Bezel

Some models include a turning bezel.
To use the bezel as a timing device, follow the usage example as described below.

To keep track of a parking meter which expires in 30 minutes:

1. Confirm the currenttime (ex. 3:45 PM.)
2. Rotate the bezel so that the $\boldsymbol{\nabla}$ is placed at the same
 position as the minute hand (ex. 45 min mark.)

In the diagram on the right, you can see that at current time of 4:05 PM, 20 minutes have elapsed and 10 minutes remain before the parking meter expires.

Note:
When not in use, line up the triangle or dot with the 12:00 marker.

World Timer or GMT (Greenwich Mean Time) watches simultaneously provide the local time in all of the world's time zones, using a 24 hour scale on the watch dial. A rotating bezel indicates the names of 24 cities around the world, one representing each time zone. To determine the local time across all time zones, simply rotate the bezel until the local time in a particular city is accurately aligned on the 24 hour dial scale to the city name on the bezel. For example, if the local time in New York is 12:00, rotate the bezel until New York is aligned with the number 12 on the 24 hour dial scale. Now the local time in any city on the bezel can easily read on the 24 hour scale: local time is 9:00 in Los Angeles, 18:00 in Paris and 2:00 in the morning, the following day in Tokyo.


## LIMITED TWO YEAR WARRANTY

This watches are warranted against material or workmanship defects for a period of two years from the date of purchase.

We will repair or replace, at the Company's discretion, the movement of the timepiece if such movement is defective.This warranty does not cover damage caused by: accidents, misuse, neglect, carelessness or unauthorized tampering and is void if the watch is opened, repaired or serviced by any party other than the ARA exclusive designs. This warranty does not cover batteries, leather straps, bracelets, crystals, cases (including crowns and pushers) or damage due to normal wear and tear. Any other warranty by a retailer is entirely their responsibility. No person or company is authorized to change the terms of this warranty. This warranty gives you specific legal rights. You may also have other statutory rights that may vary from state to state. This is not liable for any incidental or consequential damages occurring from the failure or malfunction of your watch and any recovery may not exceed the dollar amount paid for the timepiece. No other claims under warranty other than these explicitly indicated herein will be admitted. Mailing expenses will be paid by the sender. To receive warranty service, please send the watch, proof of purchase and a check or money order made payable to ARA service center for $\$ 15.00$, directly to the ARA service center at the address listed on page 26. Insure the watch for at least the purchase price when shipping, as we are not responsible for watches lost in transit.

## Limited Two Year Warranty

** Please DO NOT send watch in its original box or packaging.

## ARA Service center 614 W. 6th street Los angeles, CA 90017

## Important

The warranty does not
cover:
Water infiltration due to failure to completely screw in a crown or leaving crown out. Damage resulting from improper handling, lack of care, accidents or normal wear. The watchband, bracelet, case (including crown(s) and pushers), crystal or battery.

## Post-Warranty Sevice

For routine care and maintenance or repairs outside the warranty, consult with your local watch dealer or professional watch technician. Please send the watch directly to the ARA service center for an evaluation and an estimate for repairs. Send the watch and a check or money order made payable to ARA exclusive designs for $\$ 15.00$ directly to the ARA exclusive designs. Insure the watch for at least the purchase price when shipping, as ARA service center is not responsible for watches lost in transit. The watch will be evaluated and a technician will contact you with an estimate for the repairs. Upon approval and payment for the repairs the ARA service center will promptly repair and return your watch.

## ESPANOL

## IMPORTANTE:

 ai tan estado wureegidon on agras sulucta

 al agaz
 yese j́po de canbio podria powese denos.

## Resistencia al Agua

| resistewcia al agua |  | USO EM RELACIÓN COH ELAGUA |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Macaeno al | Prchundtad | $3$ | $4$ | $\approx \approx$ | $-e^{3}$ |
|  |  | Lavime lat mance | Duchme, Baniarse | Nadur, Busear con tubo | Bucaze con *acu |
| - | - | x | $x$ | $x$ | x |
| wR | - | $\checkmark$ | $x$ | $x$ | x |
| 3 ATM | 3 Bas, 30 Motos | $\checkmark$ | $x$ | $x$ | $x$ |
| 5 ATM | $\begin{gathered} \text { s. Bas, } \\ 50 \text { Motros } \\ \hline \end{gathered}$ | $\checkmark$ | $\checkmark$ | X | x |
| 10Am | $\begin{array}{\|c\|} \hline 10 \mathrm{Ber}, \\ 100 \mathrm{Merosex} \\ \hline \end{array}$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $x$ |
| 20AM | $\begin{gathered} 20 \mathrm{Ber}, \\ 200 \mathrm{Motros} \\ \hline \end{gathered}$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| 50AMM | $\begin{array}{\|c\|} \hline 30 \mathrm{Ber}, \\ 300 \mathrm{Motrse} \\ \hline \end{array}$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| 50AM | $\begin{gathered} 50 \mathrm{Ber} . \\ 500 \mathrm{Motros} \\ \hline \end{gathered}$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| Siimpros poegalo corona on la poivisice cerrade (poricien nemmi). Atcemile compietanento la corona para corrala. |  |  |  |  |  |

## Cronómetro voeze



AUSTE DELA FECHA (sole en algunos modelos)

1. Tired do a corosiz hatet la psobicion 2 .

2. Fiesione la corena pua denowvite a la posicione 1 .

## ALUSTE DE LA HORA

1. Tire de la cxona hassa a pesiciens.

2 Cire enel senido de les aguijes del relej para ainstar la hona.

## USO DEL CRONOMETRO <br> Aube $A$ preihilulitern

2. Puise 8 para convelarel liempo pasial y yoviciá.

AUUSTE DE LAS MAMECLLLAS DEL CRONÓMETRO

1. Tiro do a conons hasia ha pasicien 2 .

2. Puise B para rostablecer el segundero y el minutum.


 ssonficard que se ha rainiciado eleverimointerse.

Reloj con fecha s1s2.3, 2112,2317 , vxusez.
AMSTE DELA FECMA

1. Tre de la corma hasta la posicion 2

2 Cisp es sertido centraito a las eggijes del rakj
para ajutarita cocha.
AMJSTE DELA HORA


Tre de la cornos hasta la posicion 3 .


## Roloj con dia/focha 2908

## ANUSTE DELA FECHA

. Tre die la conrota hata la posicion 2

Wetha a colossin io cerora on la posieition 1 .

## ANJSTE DEL DLA



Con la corcraa airin en la posicion 2 give en sumtiob ocertraie


## ASJSTE DELA HORA

Tre de la corrona hasta la posicion 3.
2 Gite es sertico cocrrario a las soujas del reici para a wistur la tora


Automático aN24-N-LR-CZ, NH3enam


## DAR CUERDAA AL MUELE REAL


aproximadamanto 10 veces on ol somitob do las agijist del seici y comerreara a funcionar do manese raiurl.

## AJUSTE DE LA HORA

1. Tie cela cocrona tasta la posicon 2

