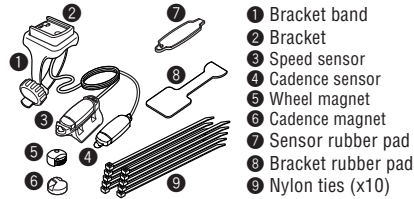# CATEYE STRADA CADENCE
CYCLOCOMPUTER CC-RD200

CE

Before using the computer, please thoroughly read this manual and keep it for future reference.
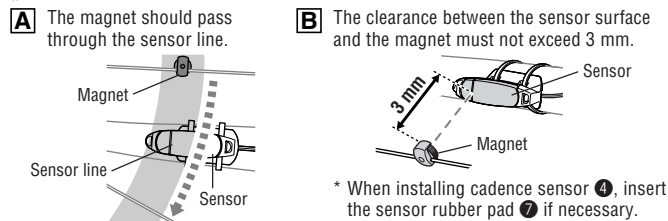
⚠ WARNING / CAUTION

- Do not concentrate on the computer while riding. Ride safely!
- Install the magnet, sensor, and bracket securely. Check these periodically.
- If a child swallows a battery, consult a doctor immediately.
- Avoid having the computer in direct sunlight for unnecessary or extended periods.
- Do not disassemble the computer.
- Do not drop the computer. Doing so may result in a computer malfunction or damage.
- When using the computer installed on the bracket, change the **MODE** by pressing on the three dots below the screen. Pressing hard on other areas can result in malfunction or damage to the computer.
- Never place the computer on a metal surface. If you do, the contact points will conduct electricity, discharging the battery.
- Tighten the dial on the Flex-Tight bracket by hand only. Over-tightening can damage the bracket threads.
- When cleaning the computer, bracket and sensor, do not use thinners, benzene, or alcohol.
- Dispose of used batteries according to local regulations.
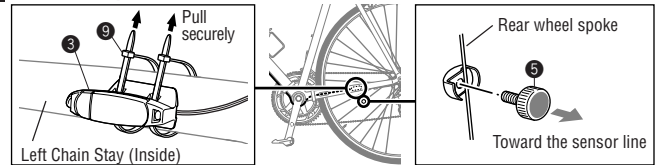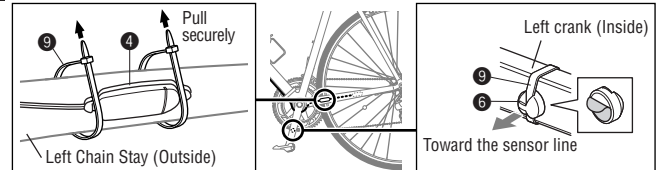- LCD screen may be distorted when viewed through polarized sunglass lenses.

Preparing the computer

AC
Battery case cover

MENU
Contact

MODE

When the computer is mounted on the bracket

Push!

km/h mph: Speed unit
(A) (B) : Wheel size icon

1 Clear all data (initialization)
Press the **AC** button on the back.

AC

2 Select the desired speed units
Select "*km/h*" or "*mph*".

km/h ↔ mph
MODE

Register the setting
MENU

km/h

Un It

3 Enter the tire circumference
Enter the tire circumference of your bicycle in mm.
* Refer to the tire circumference reference table.

Increase
MODE

Move digits (by pressing & holding)
MODE

Register the setting
MENU

km/h

2096

4 Set the clock
When **MODE** is pressed and held, "Displayed time", "Hour", and "Minute" will appear, in this order.

24h ↔ 12h, or increase the value
MODE

Switch the screen or move digits (by pressing & holding)
MODE

Register the setting (finish)
MENU

24h

SEt

Tire circumference reference table

Tire size	L (mm)
12 x 1.75	935
14 x 1.50	1020
14 x 1.75	1055
16 x 1.50	1185
16 x 1.75	1195
18 x 1.50	1340
18 x 1.75	1350
20 x 1.75	1515
20 x 1-3/8	1615
22 x 1-3/8	1770
22 x 1-1/2	1785
24 x 1	1753
24 x 3/4 Tubular	1785
24 x 1-1/8	1795
24 x 1-1/4	1905
24 x 1.75	1890
24 x 2.00	1925
24 x 2.125	1965
26 x 7/8	1920
26 x 1(59)	1913
26 x 1(65)	1952
26 x 1.25	1953
26 x 1-1/8	1970
26 x 1-3/8	2068
26 x 1-1/2	2100
26 x 1.40	2005
26 x 1.50	2010
26 x 1.75	2023
26 x 1.95	2050
26 x 2.00	2055
26 x 2.10	2068
26 x 2.125	2070
26 x 2.35	2083
26 x 3.00	2170
27 x 1	2145
27 x 1-1/8	2155
27 x 1-1/4	2161
27 x 1-3/8	2169
650 x 20C	1938
650 x 23C	1944
650 x 35A	2090
650 x 38A	2125
650 x 38B	2105
700 x 18C	2070
700 x 19C	2080
700 x 20C	2086
700 x 23C	**2096**
700 x 25C	2105
700 x 28C	2136
700 x 30C	2146
700 x 32C	2155
700C Tubular	2130
700 x 35C	2168
700 x 38C	2180
700 x 40C	2200
29 x 2.1	2288
29 x 2.3	2326

Measure wheel circumference (L) of your bike
To get the most accurate calibration do a wheel roll out. With the valve stem perpendicular to the ground, mark the pavement at the valve stem. With the riders weight on the bike, roll the wheel one tire revolution in a straight line and mark the ground when the valve stem is perpendicular to the ground again. Measure the distance in millimeters. This is the most accurate wheel calibration number.

L mm

How to install the unit on your bicycle

❶ Bracket band
❷ Bracket
❸ Speed sensor
❹ Cadence sensor
❺ Wheel magnet
❻ Cadence magnet
❼ Sensor rubber pad
❽ Bracket rubber pad
❾ Nylon ties (x10)

✎ Install the sensor and magnet :

A The magnet should pass through the sensor line.

Magnet

Sensor line

Sensor

B The clearance between the sensor surface and the magnet must not exceed 3 mm.

3 mm

Sensor

Magnet

* When installing cadence sensor ❹, insert the sensor rubber pad ❼ if necessary.

1 Install the speed sensor and wheel magnet

Pull securely

Left Chain Stay (Inside)

Rear wheel spoke

Toward the sensor line

2 Install the cadence sensor and cadence magnet

Pull securely

Left Chain Stay (Outside)

Left crank (Inside)

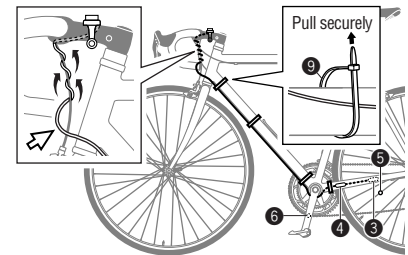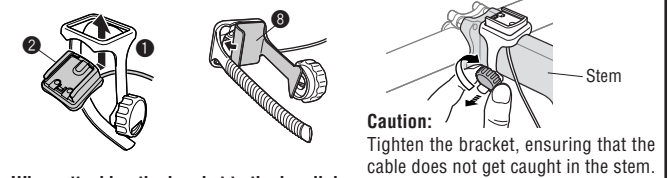Toward the sensor line

3 Route the cable
Use the nylon tie ❾ to secure the cable on the frame. Wind the cable on the rear brake cable as shown.

Caution:
Turn the handlebar to make sure wire does not hinder full rotation.
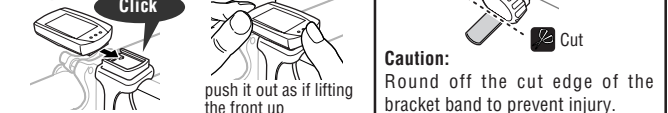
Pull securely

4 Attach the bracket to the stem or handlebar

When attaching the bracket to the stem

Stem

Caution:
Tighten the bracket, ensuring that the cable does not get caught in the stem.

When attaching the bracket to the handlebar

Handlebar

Caution:
Tighten the bracket, ensuring that the cable does not get caught in the handlebar.

5 Remove/install the computer

Click

While supporting it by hand,

push it out as if lifting the front up

Cut

Caution:
Round off the cut edge of the bracket band to prevent injury.
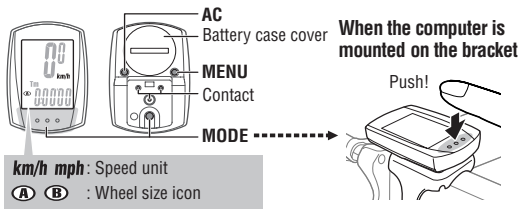
* After installation, check that the speed sensor and cadence sensor are functioning properly. In the case of the speed sensor, lift the rear wheel off the ground and spin the wheel to check the speed is displayed.
In the case of the cadence sensor, press **MODE** to display **C** (cadence) on the mode screen. Rotate the crank in the non driving direction and check cadence is displayed. If the speed is not displayed, check that conditions **A** and **B** are satisfied.
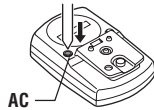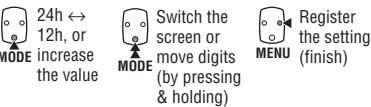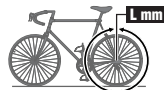
Operating the computer [Measuring screen]

Tm Elapsed Time
0:00'00" - 9:59'59"

C Cadence
0(20) - 299 rpm

Dst Trip Distance
0.00 - 999.99 km [mile]

Dst2 Trip Distance-2
0.00 - 999.99 /
1000.0 - 9999.9 km [mile]

Av Average Speed*2
0.0 - 200.0 km/h
[0.0 - 125.0 mph]

Mx Maximum Speed
0.0(4.0) - 200.0 km/h
[0.0(3.0) - 125.0 mph]

Odo Total Distance
0.0 - 9999.9 /
10000 - 99999 km [mile]

Clock
0:00 - 23:59
or 1:00 - 12:59

MODE
*1

Pace arrow
Indicates whether the current speed is faster (▲) or slower (▼) than the average speed.

Current speed
0.0(4.0) - 200.0 km
[0.0(3.0) - 125.0 mph]

Selected Mode

Starting/Stopping measurement
Measurements occur automatically when the bicycle is in use. During measurement, *km/h* or *mph* flashes.

Switching computer function
Pressing **MODE** switches function, in order, as shown on the left.

Resetting data
To reset measurement data, display any data other than for **Dst-2** and then press and hold **MODE**. Pressing and holding **MODE** with **Dst-2** displayed resets **Dst-2** only.
The total distance is never reset.

Power-saving function
If the computer has not received any signal for an hour, power-saving mode will activate and only the clock will be displayed.
Alternatively, if the sensor detects a signal or **MODE** is pressed, the main display reappears.

*1 With the computer installed on the bracket, press on the three raised dots on the face of the computer.
*2 If **Tm** exceeds approximately 27 hours or **DST** exceeds 999.99 km, **.E** (Error) is displayed as the average speed. Reset data.

Changing the computer settings [menu screen]

MENU

To bring up the menu screen, press **MENU** in any mode. Each time **MODE** is pressed, the relevant menu screen appears. Pressing and holding **MODE** changes the setting of the displayed menu.

MODE

Slct Wheel selection	**2096** Wheel size entry	**24h Set** Clock setting	**Odo InPut** Total distance manual entry	**Slct** Speed unit

MODE — Setting change (by pressing & holding)

* After changing, be sure to press **MENU** to register the setting.
* If the menu screen is not touched for a minute, the Measuring screen reappears without data changes.

Wheel selection ..... Toggle between the specified wheel size (tire circumference) Ⓐ and Ⓑ. Use this function if the computer is to be shared between two bicycles.
Pressing **MODE** toggles between Ⓐ and Ⓑ.
Wheel size entry .... Pressing **MODE** increases the value, and pressing and holding **MODE** moves to the next digit.
* To enter the wheel size Ⓑ, display Ⓑ using "Wheel selection".
Clock setting .... To set the clock, refer to "Preparing the computer-4".
Total distance manual entry
.... Before reinitializing the computer, note the total distance. This reading will later allow you to enter the total distance manually. Pressing **MODE** increases the value, and pressing and holding **MODE** moves to the next digit.
Speed unit .... Pressing **MODE** toggles between *km/h* and *mph*.

Maintenance
To clean the computer or accessories, use diluted neutral detergent on a soft cloth, and wipe it off with a dry cloth.

Replacing the battery
If the display appears faded, replace the battery.
Install a new lithium battery (CR1620) with the (+) side facing upward. Then reinitialize the computer referring to "Preparing the computer".

Close
Open — CR1620
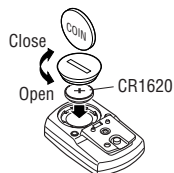
Troubleshooting

MODE does not work when the computer is mounted on its bracket.
Check that there is no dirt between the bracket and the computer.
Wash off the bracket with water to get rid of any dirt, and to ensure that the computer slides in and out smoothly.

Speed (Cadence) are not displayed. (Touch a metal item against two contact points of the computer several times to create a short circuit while observing the display. If a numeric value appears, this signifies that the computer is functioning normally.)
Is the clearance between the sensor and magnet too great? (must be ≤ 3 mm)
Does the magnet pass through the sensor line?
Adjust the positions of the magnet and sensor.

The contacts to be short-circuited intermittently are located on the back.

Speed   Cadence
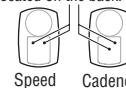
Is there any foreign matter (which would prevent a clean contact) on the contact points of the computer and/or bracket?
Clean the contact points.

Check that no wire cable is worn or broken. Even with a normal appearance, it may be that a wire cable could be broken internally. Replace the bracket sensor set.

No display.
Is battery in the computer run down?
Replace it. Then reinitialize the computer referring to "Preparing the computer".
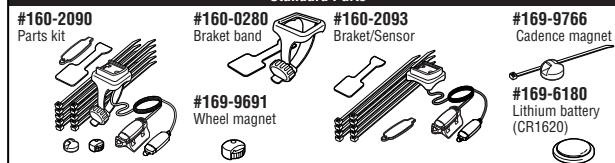
Incorrect data appear.
Reinitialize the computer referring to "Preparing the computer".

Specification

Battery .... Lithium battery (CR1620) x 1
Battery life .... Approx. 2 years (Using the battery one hour a day; the battery life will vary with the conditions of use.)
Controller .... 4-bite, 1-chip microcomputer (Crystal controlled oscillator)
Display .... Liquid crystal display
Sensor .... No contact magnetic sensor
Wheel circumference range ..... 0100 mm - 3999 mm (Default figure A: 2096 mm, B: 2096 mm)
Working temperature .... 32 °F - 104 °F (0 °C - 40 °C) (This product will not function appropriately when exceeding the Working Temperature range. Slow response or black LCD at lower or higher temperature may happen respectively.)
Dimensions/weight .... 1-53/64" x 1-7/32" x 19/32" (46.5 x 31 x 15 mm) / 0.63 oz (18 g)
* The factory-loaded battery life might be shorter than the above-mentioned specification.
* The specifications and design are subject to change without notice.

Standard Parts

#160-2090 Parts kit	#160-0280 Braket band	#160-2093 Braket/Sensor	#169-9766 Cadence magnet
#169-9691 Wheel magnet			#169-6180 Lithium battery (CR1620)

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