CATEYE

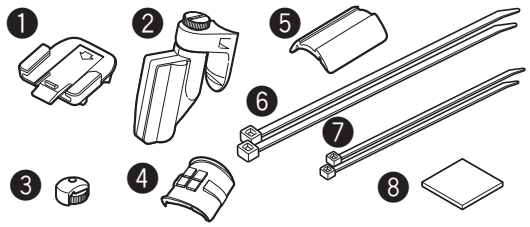
VECTRA Wireless

CYCLOCOMPUTER

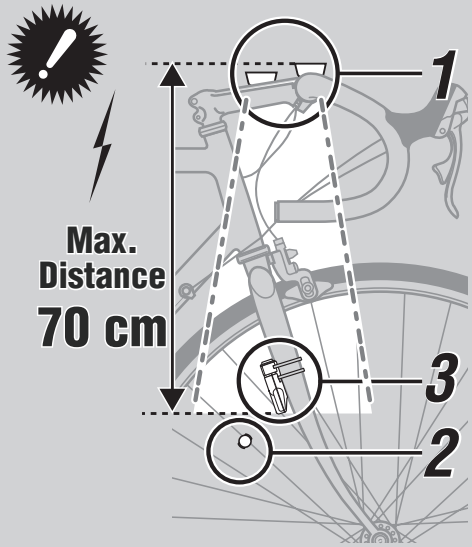
CC - VT100W

Owner's Manual

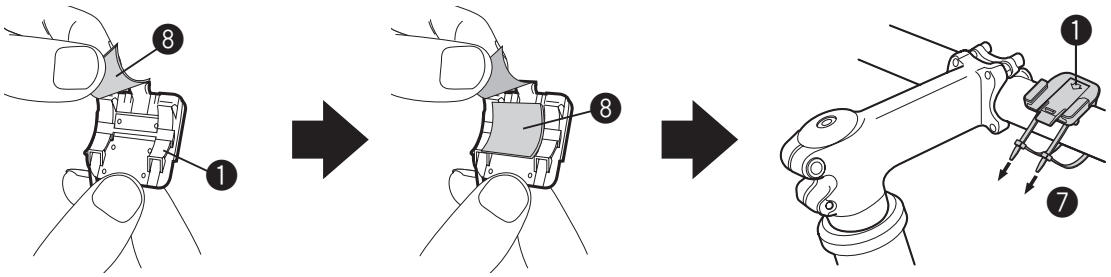
CCVT1W-110930 066600380 4



Component name
1. Bracket
2. Speed Sensor A
3. Magnet
4. Bracket Rubber Pad
5. Sensor Rubber Pad
6. Nylon Ties (L x2)
7. Nylon Ties (S x2)
8. Double-sided tape

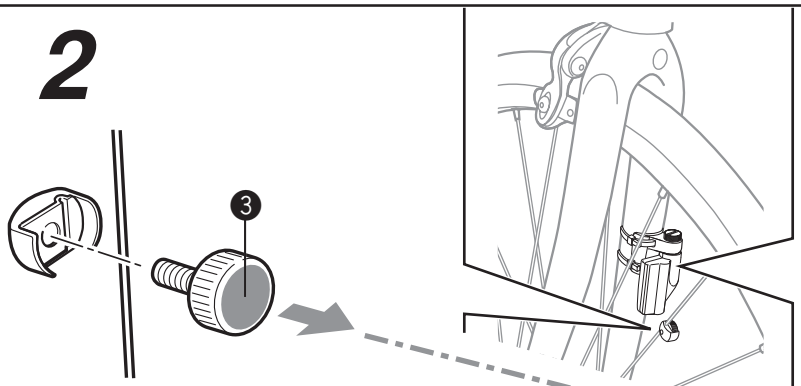


1



or

2



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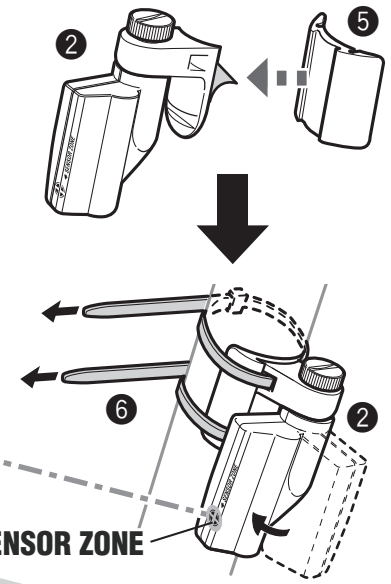
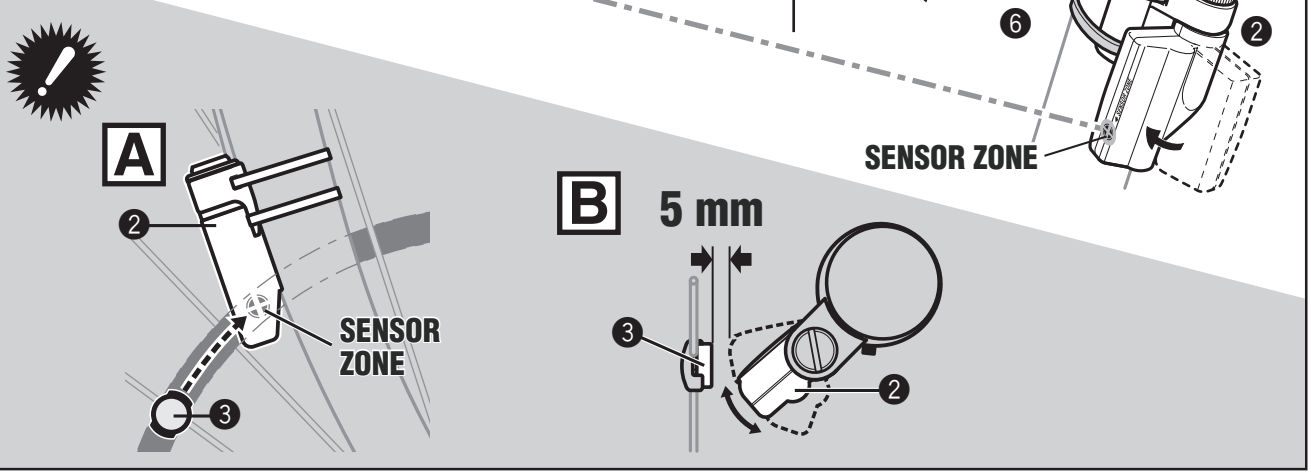
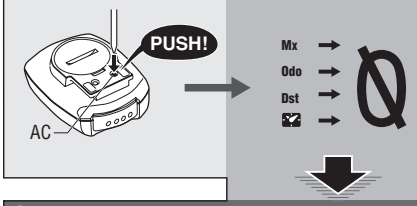
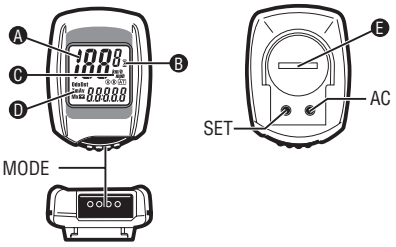




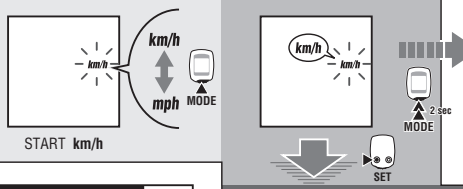
SETTING

All Clear a

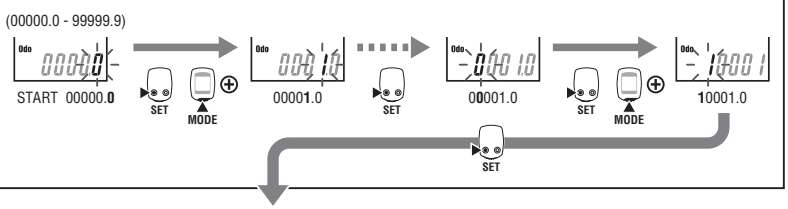




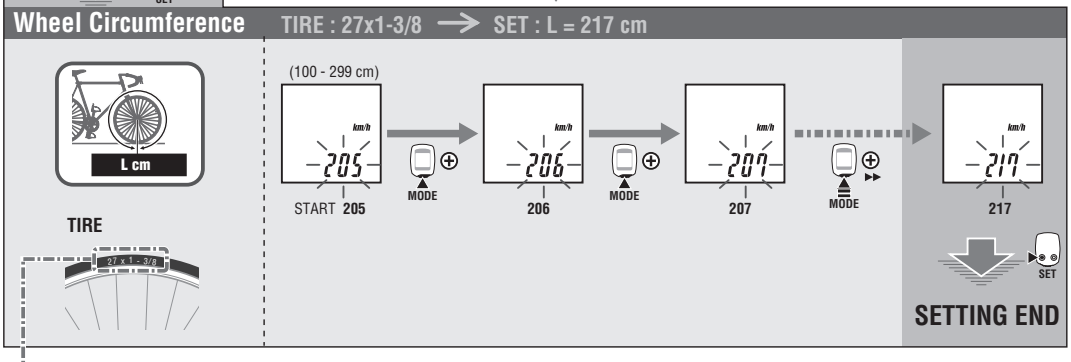
Select km/h or mph — SET : km/h



ODO Manual Set — SET : 10001.0 km

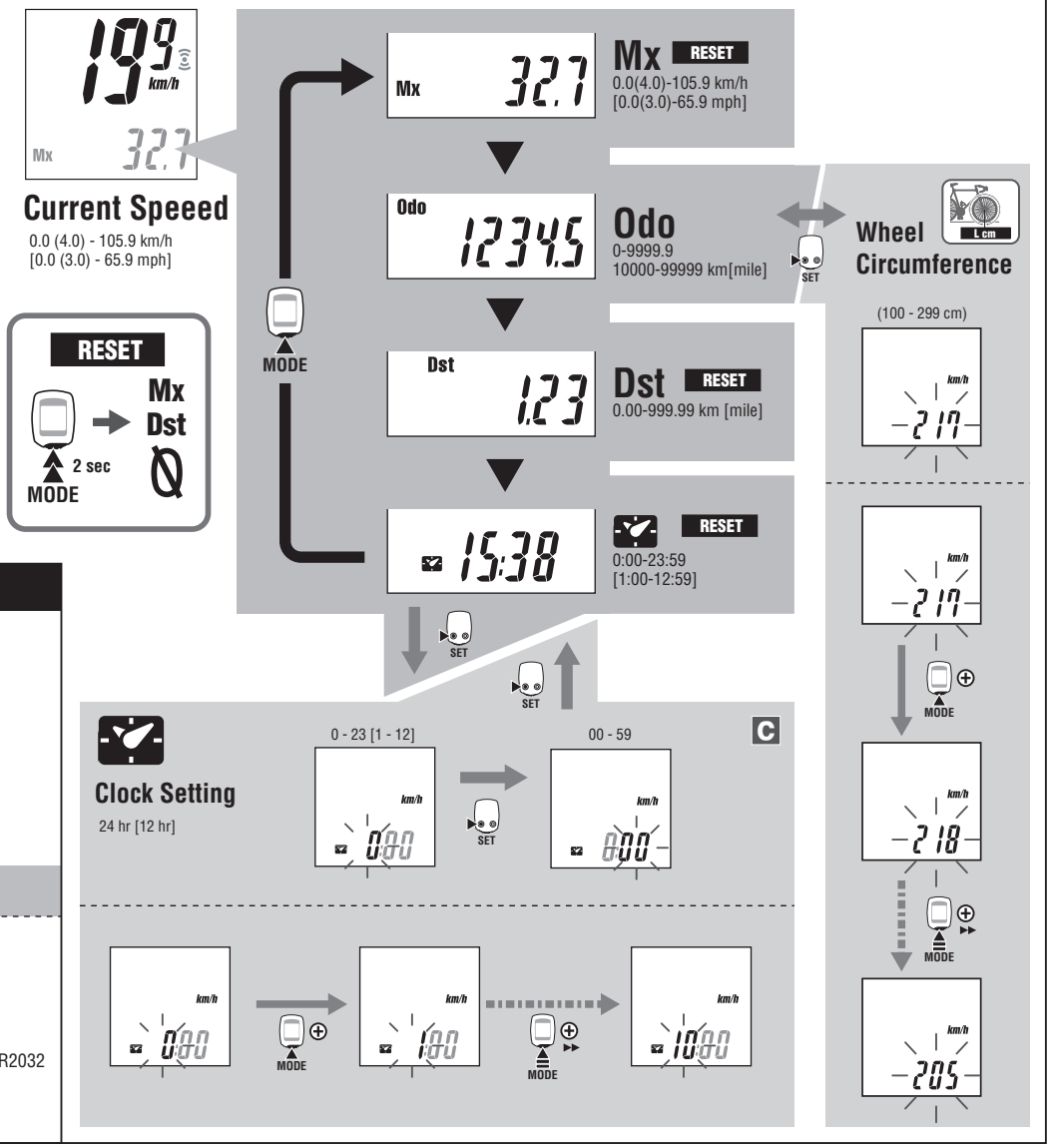


Wheel Circumference — TIRE : 27x1-3/8 → SET : L = 217 cm



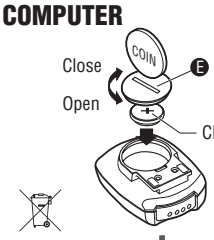
Tire size		L (cm)
ETRTO		
	14 x 1.50	102
	14 x 1.75	106
	16 x 1.50	119
47-305	16 x 1.75	120
	18 x 1.50	134
	18 x 1.75	135
47-406	20 x 1.75	152
	20 x 1-3/8	162
	22 x 1-3/8	177
	22 x 1-1/2	179
	24 x 1	175
	24 x 3/4 Tubular	178
	24 x 1-1/8	179
	24 x 1-1/4	191
47-507	24 x 1.75	189
	24 x 2.00	192
	24 x 2.125	196
	26 x 7/8	192
23-571	26 x 1(59)	191
	26 x 1(65)	195
	26 x 1.25	195
	26 x 1-1/8	190
37-590	26 x 1-3/8	207
	26 x 1-1/2	210
	26 x 1.40	200
40-559	26 x 1.50	201
47-559	26 x 1.75	202
50-559	26 x 1.95	205
54-559	26 x 2.00	206
	26 x 2.10	207
57-559	26 x 2.125	207
	26 x 2.35	208
57-559	26 x 3.00	217
	27 x 1	215
	27 x 1-1/8	216
32-630	27 x 1-1/4	216
	27 x 1-3/8	**217**
	650 x 35A	209
	650 x 38A	212
	650 x 38B	211
18-622	700 x 18C	207
	700 x 19C	208
20-622	700 x 20C	209
23-622	700 x 23C	210
25-622	700 x 25C	211
28-622	700 x 28C	214
	700 x 30C	217
32-622	700 x 32C	216
	700C Tubular	213
37-622	700 x 35C	217
	700 x 38C	218
40-522	700 x 40C	220

OPERATION FLOW b



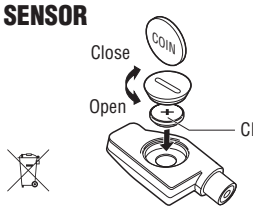
BATTERY

COMPUTER



All Clear a

SENSOR



⚠ CAUTION

- Do not concentrate on the computer while riding. Be sure to ride safely!
- Install the magnet, sensor, and bracket securely. Check these periodically.
- Dispose of used batteries according to local regulations. If swallowed, consult a doctor immediately.
- Avoid having the computer in hot direct sunlight for extended periods.
- Do not disassemble the computer.
- Clean the computer and accessories with a soft cloth dampened with a neutral detergent. Do not use thinners, benzene, or alcohol on the computer.

Wireless Sensor

The sensor was designed to receive signals within a limited range to prevent sensor signal interference. Thus, the sensor and computer must be relatively close. If the temperature or battery power is low, they may need to be even closer than normal. The sensor must be installed at the top of the fork, and the distance between the sensor and the computer should not exceed approximately 70 cm. Install the computer on the stem, with its bottom surface facing the sensor. (Take into account the angle of the stem.)

Interference may occur, resulting in malfunction, if the computer is:

- Near a TV, PC, radio, motor, or in a car or train.
- Close to a railroad crossing, railway tracks, TV stations and or radar base.
- Close to a second bicycle with wireless sensors.

Correct installation of sensor and magnet

A Attach the magnet ❸ so that it passes through the sensor zone of the sensor ❷.
B Be sure to have a 5 mm-or-less clearance between the sensor ❷ and magnet ❸.

Part names

Ⓐ Current Speed
Ⓑ Sensor signal reception icon
Flashes in sync with sensor signals.
Ⓒ Speed unit ***km/h mph***
Ⓓ Mode symbol ..... b
Indicates the mode currently selected.
Mx ..... [Maximum Speed]
Odo ..... [Total Distance]
Dst ..... [Trip Distance]
..... [Clock]
Ⓔ Battery Case Cover

Starting/Stopping measurement

This computer automatically starts measurement when the bicycle is moving.

Switching Mode symbol ..... b

Press the MODE button to cycle through different functions, which are listed in the OPERATION FLOW chart.

Resetting data ..... b

As shown in the OPERATION FLOW, press the MODE button to clear data when RESET appears on the screen. The trip distance cannot be reset.

Power-saving function

If the computer has not received a signal for 10 minutes, power-saving mode will activate and only the clock will be displayed. When the computer receives a sensor signal again, the measuring screen reappears. If the unit remains inactive for two weeks, the unit enters SLEEP mode. Press the MODE button to stop SLEEP mode.

Setting the clock c

With the symbol displayed, press the SET button to set the clock.
Press the MODE button to move time forward. The value changes more rapidly if the button is pressed and held. Press the SET button to move from the "hour" to "minutes" digit. Press the SET button again to set the clock, and revert to the measuring screen.

* If the unit of speed is set to km/h, the 24-hour time system is activated. When set to mph, the 12-hour system applies.

Maintenance

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

Troubleshooting

No display.
Is battery in the computer run down?
Replace it, and re-enter the correct information.
(All Clear a).

Incorrect data appears.
Do all clear operation. (All Clear a).

The sensor signal icon does not flash. (The speed is not displayed.)
[If the signal icon does not flash, reduce the distance between the sensor and computer, adjust the position of the magnet, and spin the wheel again. If the icon now flashes, this indicates that the computer and sensor are too far apart or that the battery is low.]

Is the clearance between the sensor and magnet too great?
Does the magnet pass through the sensor zone?
Adjust the positions of the magnet and sensor.

Is the computer installed at the correct angle?
Install the computer with its bottom surface facing the sensor.

Is the distance between the computer and sensor too great?
Install the sensor closer to the computer.

Is the sensor battery weak?
In cold weather, battery performance degrades.
Replace it.

Is the computer's battery weak?
Replace it with a new one. (All Clear a).

Replacing the Battery

- **Computer**
  If the display appears faded or sensor reception is poor, replace the battery. The Total Distance can be entered manually. Before removing the battery, note the current Total Distance. Install a new lithium battery (CR2032) with the (+) side facing upward.
  Then re-start the computer according to the SETTING procedure, and then set the clock. c
  * When the batteries in either the main unit or sensor run down, please replace both the sensor and main unit batteries.
- **Sensor**
  If sensor reception is poor, replace the battery. Then check the positions of the battery and magnet.

Specification

Battery ..... Computer: Lithium Battery CR2032 X 1
Sensor: Lithium Battery CR2032 X 1
Battery Life .... Computer: Approx. 1 year
(On the basis that the computer is used for 1 hour/day)
Sensor: until Total Distance reaches about 10,000 km (6,250 mile)

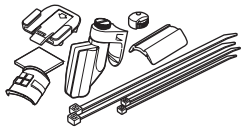
* This is the average figure of being used under 20°C temperature and the dis tance between the computer and the sensor is 65 cm.

Controller ..... 4-bit 1-chip microcomputer (crystal controlled oscillator)
Display ..... Liquid crystal display
Sensor ..... No contact magnetic sensor
Wheel Circumference Range 100 cm - 299 cm
Working Temperature ..... 0°C - 40°C (32°F - 104°F)
Dimension/Weight ..... 40 x 55 x 21 mm [1-4/7" x 2-1/6" x 5/6"] / 30 g [1.06 oz]

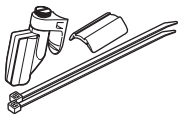
* The factory-loaded battery life might be shorter than the above-mentioned specification.
* The specifications and design are subject to change without notice.

Standard Parts

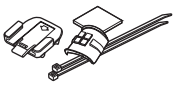
#169-6590
Parts Kit



#169-6580
Speed Sensor A



#169-6570
Bracket kit

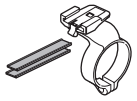


#169-9691N
Wheel Magnet

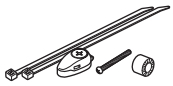
#166-5150
Lithium Battery (CR2032)

Option Parts

#169-6667
Center Mount Kit



#169-9760
Magnet for Composite Wheel



LIMITED WARRANTY - 2-Year Computer/Sensor only
(Accessories/Attachments and Battery Consumption excluded)
If trouble occurs during normal use, the part of the Main Unit or sensor will be repaired or replaced free of charge. The service must be performed by CatEye Co., Ltd. To return the product, pack it carefully and remember to enclose the warranty certificate with instruction for repair. Please write or type your name and address clearly on the warranty certificate. Insurance, handling and transportation charges to our service shall be borne by person desiring service.

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