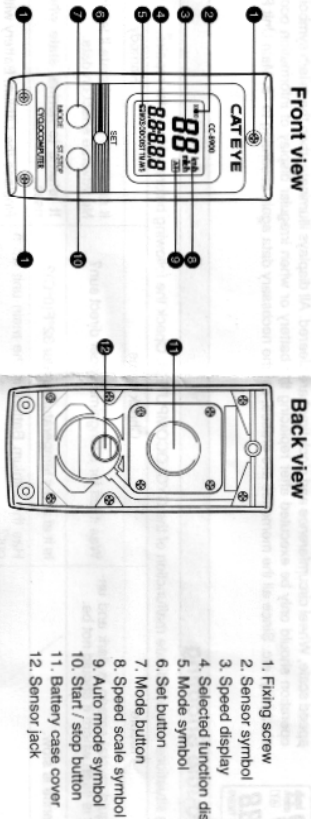# CATEYE. *MODEL* CC-8900
OPERATING INSTRUCTIONS

0689395

1 | Main Unit
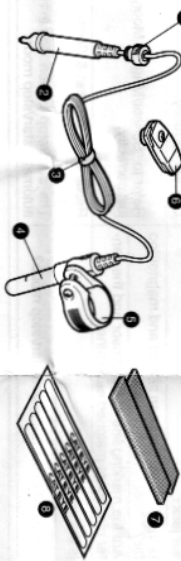
Front view

Fig.8

1. Fixing screw
2. Sensor symbol
3. Speed display
4. Selected function display
5. Set button
6. Mode symbol
7. Mode button
8. Speed scale symbol
9. Auto mode symbol
10. Start / stop button
11. Battery case cover
12. Sensor jack
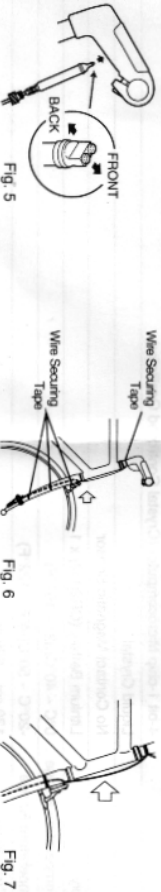
Back view

2 | Accessories/Attachments

1. Plug fixing screw
2. Sensor Plug
3. Wire
4. Sensor
5. Sensor Band
6. Magnet
7. Sensor Band Rubber Pad (2 pcs.)
8. Wire Securing Tape

3 | Sensor/Magnet Mounting

Fig.1

Fig.2

Fig.3   About 1 mm   Fig.4
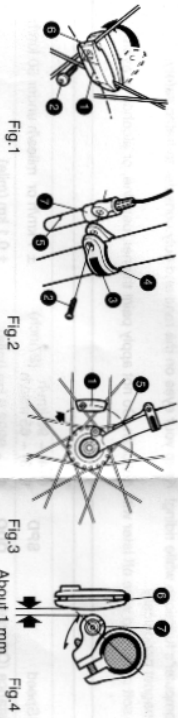
1. Center of Magnet
2. Screw
3. Sensor Band
4. Rubber Pad (1 mm- or 2 mm-thick)
5. Marking Line of Sensor
6. Magnet
7. Sensor

(1) Attach the magnet by clamping the right spokes of the front wheel as shown in Fig. 1.
(2) Attach the sensor on the right side of the front fork. Attach sensor band on the front fork with either of the rubber pads cut to length. Mount the sensor and gently tighten the screw. (See Fig.2) Align the center of magnet and the marking line of sensor. Make sure there is about 1 mm clearance between them. Then, tighten the screw securely. (See Fig. 3 and Fig. 4.)

4 | Securing the Wire

Fig.5

Fig. 6

Fig. 7

Wire Securing Tape

(1) After fixing the stem insert the sensor plug securely to the sensor jack through a hole in the stem keeping the two small holes of the plug parallel to the handlebar. Then fix it by fixing screw.(see Fig.5)
(2) Secure the wire with wire securing tape as shown in Fig. 6,7. Loosen the wire in the area marked with the arrow (⬦) so that the wire does not hinder handlebar operation.

5 | Main Unit Preparation

● The following must be completed before operating. (A battery is already loaded in the main unit when purchased.)
○ **Setting Speed Scale**
Press mode button, start/stop button and set button simultaneously to clear all data. (All clear operation.) All displays will illuminate. Then mile/h alone will be displayed as illustrated in Fig.8. Km/h and mile/h are alternately displayed each time when the start/stop button is pressed. Select either as desired. Press the mode button to set the speed scale. The display will be changed as shown in Fig. 9.

Fig.9

● **Setting the wheel circumference**
(1) How to measure wheel circumference
Refer to Table 1 Setting Values Cross Reference Table. Get the wheel circumference (L) from the tire size (D) of your bike. To get more accurate value, get on the bike and measure the actual wheel circumference (L) in centimeters. Or measure the radius R (cm) as shown in Fig. 10. Then, calculate the wheel circumference L (cm) using the following formula; L = 2πR=6.283R(cm)

Fig.10

(2) Setting the wheel circumference
The standard wheel circumference of 216 cm for 27" wheel is displayed as shown in Fig. 9. When using 216 cm without revision, press the mode button. ODO will be displayed and 216 cm will be set. To revise 216 cm, press the start/stop button when the wheel circumference is initially displayed. The 216 will change to flickering 217. Press the button again to increase the number by one. When the button is held down, it will rapidly increase. Choose a number between 130 cm and 229 cm according to your bike. When the desired number appears, press the mode button. ODO will be displayed, and the number you selected will be set.

Fig.11

(3) Resetting or changing the wheel circumference
Set the main unit in the ODO mode with the mode button, and stop it with the start/stop button. Press the set button. The wheel circumference number stored will flicker on the lower line of the display. Revise the number as desired according to the instructions given in (2).

● **Setting the 12-hour clock time**
Set the main unit in the (🕐) mode by holding the mode button for over 2 seconds. Press the set button. The time stored appears, and the minutes flash. Press the start/stop button to advance the minutes one at a time. When the button is held down, it will rapidly increase. Set a time one or two minutes ahead of the current time. Press the mode button. The hours will flash. Use the start/stop button the same way. Press the set button to complete the time setting.
* When you press the set button, the undisplayed seconds will turn to zero. For accurate 12-hour clock setting, use your radio time signal on the hour.

● **How to replace the battery**
Loosen the plug fixing screw, pull off the plug from the jack. Remove 3 fixing screws and take off the computer main unit from stem. Turn the main unit over, remove 4 screws at the battery case cover to remove the battery case cover, and load a new lithium battery (CR 2032). Positioning the (+) pole upward, place the battery properly into the case. Attach the battery cover with 4 screws. Attach the main unit to the stem with 3 fixing screws. After replacing the battery, make sure to press all three buttons simultaneously (set button, mode button and start/stop button) to clear all data. Set the distance scale, wheel circumference and clock time again. (See 5. Main Unit Preparation.) Insert the plug through the hole in the stem and fix it with the plug fixing screw.

Table 1. Setting Values Cross Reference Table

D(inch)	L(cm)	D(inch)	L(cm)	D(inch)	L(cm)	D(inch) = Tire diameter		L(cm) = Wheel circumference	D(inch)	L(cm)
16-1/4	0	3/8	147	1/2	164	5/8	181	3/4	7/8	215
3/8	131	1/2	148	5/8	165	3/4	182	7/8 (ATB26x1.4)	27.0	216
1/2	132	5/8	149	3/4	166	7/8	183	700x32C	1/8	217
5/8	133	3/4	150	7/8	167	7/8	184	25.0	1/4	218
3/4	134	7/8	151	21.0	168	1/8	185	1/4	3/8	219
7/8	135	19.0	152	1/8	169	1/4	186	3/8 (ATB26x1.50)	1/2	220
17.0	136	1/8	153	1/4	170	3/8	187	1/2 (ATB26x1.75)	5/8	221
1/8	137	1/4	154	3/8	171	1/2	188	5/8	3/4	222
1/4	138	3/8	155	1/2	172	5/8	189	3/4	7/8	223
3/8	139	1/2	156	5/8	173	3/4	190	7/8	28.0	224
1/2	140	5/8	157	3/4	174	7/8	191	26.0	1/8	225
5/8	141	3/4	158	7/8	175	24.0	192	1/8 700x25C	1/4	226
3/4	142	7/8	159	7/8	176		193	1/4 700x25C	3/8	227
7/8	143	20.0	160	1/8	177		194	3/8	1/2	228
18.0	144	1/8	161	3/8	178		195	1/2 Tubular	5/8	229
1/8	145	1/4	162	3/8	179		196	5/8	3/4 700x28C	
1/4	146	3/8	163	1/2	180		197	3/4 700x28C		

6 | Test

If upper line of display does not show any figures, press either Mode button or Start/Stop button to release from power saving mode and display the figures. Lift the front wheel off the ground and spin the wheel to check if the sensor signal symbol flashes on and off on the display. If not, adjust relative positions of magnet and sensor following the instructions on section 3. Sensor/Magnet Mounting. Refer to the next section for the operation of the main unit.