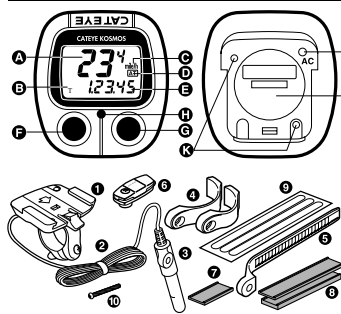
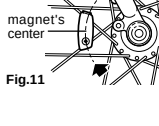
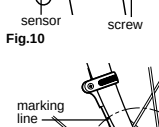
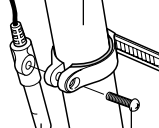
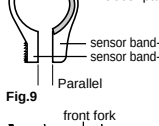
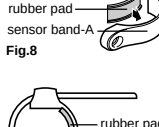
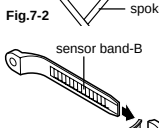
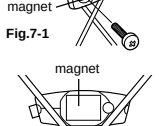
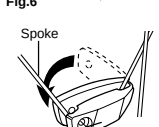
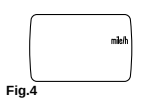
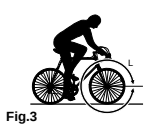
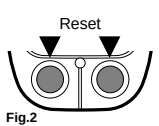
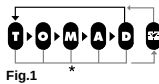




1. Bracket
2. Wire
3. Sensor
4. Sensor Bands-A (S)(L)
5. Sensor Bands-B
6. Magnet
7. Sensor Band Rubber Pad
8. Bracket Rubber Pad (2 pcs.)
9. Wire Securing Tape
10. Sensor Band Screw



BUTTON FUNCTION

• MODE Button (left button)

Changes the display in the order shown in fig. 1, and data is displayed on the sub-display. *If held over 2 seconds, 24-hour clock appears.

• START/STOP Button (right button)

Starts and stops the measurement of trip distance and elapsed time. During operation, speed scale symbol flashes. In Auto Function, this button is invalid.

• SET Button

This is for setting the wheel circumference and clock time, switching on/off Auto Function and to clear all present data and any irregularity. When pressed in stop state in each mode, the following can be revised.

- In **0** mode Wheel circumference
- In **32** mode 24-hour clock
- In **T, D** or **A** mode On/off the Auto function

• AC Button (All Clear)

By pressing AC Button on the back, all data stored (**0** data, speed scale, wheel circumference and clock time) is erased. All displays illuminate, then mile/h symbol illuminates. This operation is to be executed after replacing battery or when irregular display occurs due to static electricity, etc. Since all memories are erased, set necessary data again according to "Main Unit Preparation".

Reset Operation: (Fig. 2)

Select any mode except **0**, then press MODE Button and START/STOP Button simultaneously. **M, A, D** and **T** will become zero. (When done in **0**, registered wheel circumference will be displayed.)

MAIN UNIT PREPARATION

The following must be completed before operating.

(1) How to measure wheel circumference (L) of your bike (Fig. 3)

Put a mark on the tire tread and ride the bike one full wheel revolution. Mark the start and the end of the revolution on the ground and then measure the distance between the two marks. This is your actual circumference. Or, the "Selecting Values Cross Reference Table" tells you an approximate circumference according to tire size.

(2) Setting Speed Scale (Fig. 4)

By pressing AC Button (All Clear Operation), all displays illuminate, and then mile/h symbol illuminates (fig. 4). Km/h and mile/h are alternately displayed with each press of Start/Stop Button. Press Set Button to set desired speed scale; then the display will change as fig. 5.

(3) Setting the wheel circumference (Fig. 5)

The wheel circumference of 2155mm (standard circumference for 27" wheel) is displayed. When using 2155mm without revision, press Set Button. Speed/Elapsed Time **T** will be displayed and 2155mm is set. For revision, press Start/Stop Button to increase the number and Mode Button to decrease. To increase/decrease rapidly, hold down respective buttons. When the desired number appears, press Set Button; Speed/Elapsed Time **T** will be displayed and the number is set.

(4) Resetting or changing the wheel circumference

Set main unit in **0** with MODE Button, and stop it with START/STOP Button. Press SET Button. The stored number will flicker on the sub-display. Revise the number as desired according to the instructions in (3).

Setting the clock time (Fig. 6)

Press MODE Button over 2 seconds to select **32**, and stop it with START/STOP Button. Then press SET Button, and minutes flash. Press START/STOP Button to advance minutes by one. To advance rapidly, hold down the button. Set the time one or two minutes ahead of the current time. Then press MODE Button, and hours will flash. Use START/STOP Button the same way. Press SET Button to complete time setting. *When you press the SET Button, the undisplayed seconds will turn to zero. For accuracy, set by the radio time signal.

MOUNTING TO BIKE

- Attach the magnet on the right spokes of front wheel as fig. 7. The spokes must run correctly through the inside the magnet as in fig. 7.
- Attach the sensor with Sensor Bands-A-B to the right fork. Choose a band that fits the fork diameter (S size for up to 24ø, L for oversize).

1. Insert the band-B into the slit of the band-A, and put the rubber pad inside of the band-A (fig. 8). Adjust the length in order that the screw-fastening part of the bands are parallel when mounted to the fork (fig. 9). *To pull out the band B from band A, tug strongly.
2. Mount the adjusted bands to the fork along with the sensor, by temporarily tightening the screw (fig. 10).
3. Align the magnet's center and the sensor's marking line (fig. 11), and make sure of 2mm clearance between the magnet and sensor (fig. 12). Then tighten the screw securely. Cut the excess of the band-B with a nipper or the like.
- Secure the wire with tape as fig. 13. Wind the wire round the outer cable and adjust length. Loosen the wire in the area marked with the arrow so that the wire does not hinder handlebar operation.
- Use either 1mm- or 2 mm-thick pads if necessary, according to handlebar diameter. Attach the bracket close to the handlebar stem (fig. 14).
- Slide main unit onto the bracket from front until it clicks into position. To remove, pull it off forward while pushing down the lever. (fig. 15)

•Test

Mount main unit. Lift the front wheel off the ground and spin it to check if the speed is displayed. If not, adjust the position of magnet and sensor again.

How to replace the battery

Turn main unit over, remove battery case cover with coin and insert a new lithium battery properly (CR2032) with the (+) pole upward (fig. 16), and close the cover securely.

*After replacing battery, be sure to press AC Button and set necessary data again.

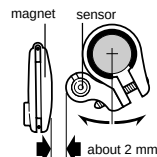


Fig.12

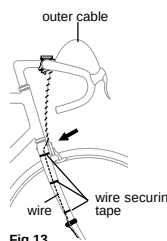


Fig.13

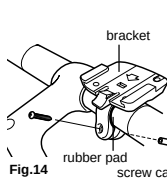


Fig.14

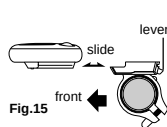


Fig.15

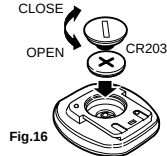


Fig.16

MEASURING AND DISPLAY FUNCTIONS

S Current Speed 0.0(3.0) - 65.9 mile/h [±0.3 mile/h under 31 mile/h]
This is always displayed on the main display and updated once a second.

O Total Distance (Odometer) 0.0 - 99,999 mile [±0.1 mile]
This is continuously measured until battery wears down or all clear operation is done. At 10,000 miles(km), it returns to zero and counting begins anew.

M Maximum Speed 0.0(3.0) - 65.9 mile/h [±0.3 mile/h]
With Reset operation, it returns to zero and counting begins anew.

A Average Speed 0.0 - 65.9 mile/h [±0.3 mile/h]
The average speed from start to current point is displayed within 27 hours 46 minutes 39 seconds (99,999 seconds) or 999.99 miles (km). If either is exceeded, (E) is displayed and calculation ceases.

D Trip Distance 0.00 - 999.99 mile [±0.01 mile]
The trip distance from start to current point is displayed. With Reset operation, it returns to zero.

T Elapsed Time 0:00'00" - 9:59'59" [±0.003%]
Elapsed time is measured from start to current point, in units of hours, minutes and seconds. At 10 hours, it returns to zero and counting begins anew. With Reset operation, it returns to zero.

32 24-hour clock time 0:00' - 23:59' [±0.003%]
The current time is displayed by a 24-hour clock.

AUTO (AUTOMATIC START/STOP) FUNCTION

This function switches the main unit to start or stop automatically, in which **AT** symbol appears on the screen, and you are free from pressing START/STOP Button each time.

• How to switch on/off the Auto Function.

In **T, D** or **A**, this function switches on/off with each press of SET Button. When on, **AT** symbol appears. *With this function, it ceases measuring elapsed time during a stop. *2 seconds may be elapsed if mount the main unit to the bracket with this function on.

POWER SAVING FUNCTION

When main unit is left without receiving any signal for 60-70 minutes continuously, power supply is shut down and main unit will display (**32**) only as the figure. By pressing MODE Button or START/STOP Button, or by receiving signal, this function is released.

TROUBLE SHOOTING

- The following situations do not indicate malfunction of the cyclocomputer. Check the following before taking to repair.
- * When current speed does not appear, short-circuit the contact on the back with metal. The unit will function normally if the speed display appears.

Display response is slow.

..... Is it at a low temperature under 32°F(0°C)?

..... It returns to normal state when temperature rises.

No display.

..... Has the Lithium Battery in the main unit worn out?

..... Replace the Lithium Battery with a new one.

Incorrect data appear.

..... Execute "All Clear" operation.

Current speed does not appear.

..... Is there anything on the contact of the main unit or of the bracket?

..... Wipe the contact clean.

..... Is the distance between sensor and magnet too far?

..... Are the marking line of the sensor and the center of magnet matched each other?

..... Refer to "Sensor/Magnet Mounting" and re-adjust correctly.

..... Is the wire broken?

..... Replace the Bracket & Sensor part with a new one.

Transmission signal loss in damp or wet conditions.

..... Water or condensation may collect between the bracket sensor and the computer causing an interruption in the data transmission. Wipe the contacts with dry cloth. Contacts can also be treated with a water repellent silicon jelly from an automotive parts or hardware store. Do not use industrial water repellent; it may damage the bracket.

When the START/STOP Button is pressed, the unit doesn't activate or stop.

..... Is the unit in the Auto function?

..... The START/STOP Button doesn't function in the Auto function.

MAINTENANCE/PRECAUTIONS

- Do not leave the main unit exposed to direct sunlight when the unit is not in use.
- Do not disassemble the main unit, sensor and magnet.
- Don't pay too much attention to your computer's functions while riding! Keep your eyes on the road and duly consider to traffic safety.
- Check relative position of sensor and magnet periodically.
- For cleaning, use neutral detergent on soft cloth, and wipe off later with dry cloth. Do not apply paint thinner, benzene, or alcohol, to avoid damages on the surface.
- If there is mud, sand or the like clogs between the button and the body, the movement of the button may be disturbed. Softly wash away such objects with water.

Specifications

Applicable Cycle Sizes:	10mm - 2,999mm	
Applicable Fork Diameter:	11ø - 36ø (S:11 - 26ø L:21 - 36ø)	The length of the wire: 70cm
Power Supply:	Lithium Battery (CR2032 X 1)	
Battery Life:	Approx. 3 years (The life of the first factory-loaded battery may be shorter than this period.)	
Dimension/Weight:	1-15/16" x 1-25/32" x 11/16" (49 x 45 x 17mm) 0.9 oz (25.5 g)	

* The specifications and design are subject to change without notice.

