CAT EYE
CC-MT200 Mity 2
Cycle Computer

Cateye CC-MT200 Mity 2 Cycle Computer User Manual

Contents

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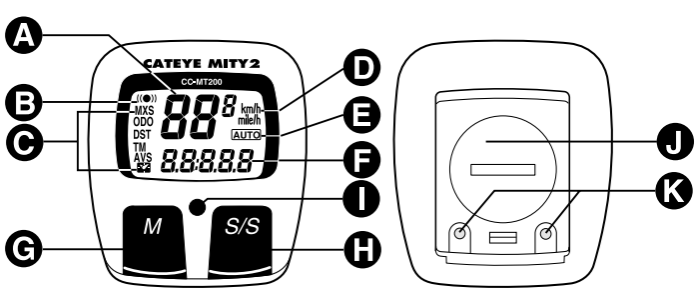
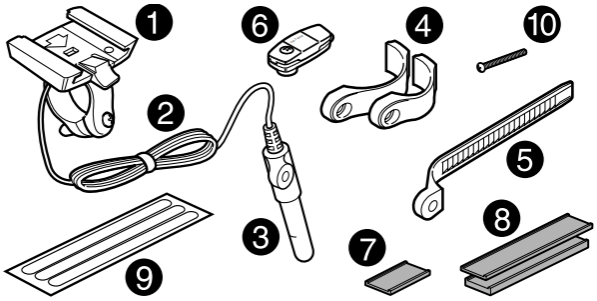
OPERATING INSTRUCTIONS





- A. Main Display (Speed)
- B. Sensor Pulse Symbol
- C. Mode Symbol
- D. Speed Scale Symbol
- E. Auto Mode Symbol
- F. Sub-Display (Selected Function)
- G. M (Mode) Button
- H. S/S (Start/Stop) Button
- I. Set Button
- J. Battery Case Cover
- K. Contact
    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

- **M button (Fig.1)**
  Changes the display in the order shown in fig. 1, and data is displayed on the sub-display. *If held over 2 seconds, the 12-hour clock appears.

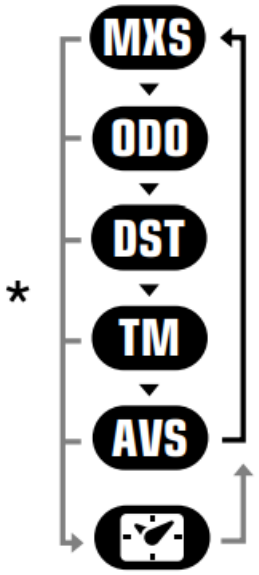


Fig.1

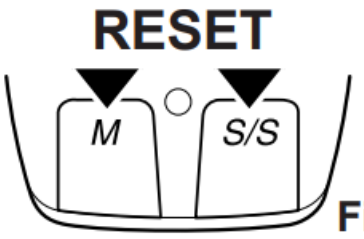


Fig.2

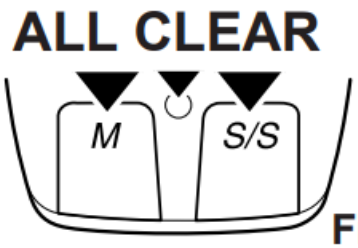


Fig.3

- **S/S button**
  Starts and stops the measurement of trip distance and elapsed time. During operation, the 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 clearing all present data and any irregularity. When pressed in stop state in each mode, the following can be revised.
- In ODO mode ———————— Wheel circumference
- In mode ———————— 12-hour clock
- In TM, DST, or AVS mode —— On/off the Auto function

Reset Operation: (Fig.2)

Select any mode except ODO, then press the M button and S/S button simultaneously. MXS, AVS, DST, and TM will become zero. (When done in ODO, registered wheel circumference will be displayed.) All Clear Operation: (Fig.3)

When the M button, S/S, and set buttons are pressed simultaneously, all data stored (ODO, speed scale, Wheel circumference, and clock time) is erased. All displays illuminate, and then the mile/h symbol illuminates. This should only be executed after replacing the battery or when an irregular display occurs due to static electricity, etc. Since all memories are erased, set necessary data again according to “Main Unit Preparation”.

MAIN UNIT PREPARATION

The following must be completed before operating.

1. How to measure the wheel circumference (L) of your bike (Fig.4) 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.

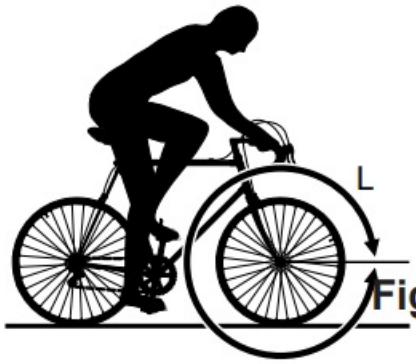


Fig.4

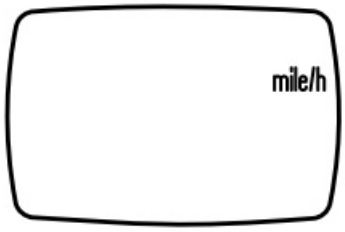


Fig.5

Fig.6

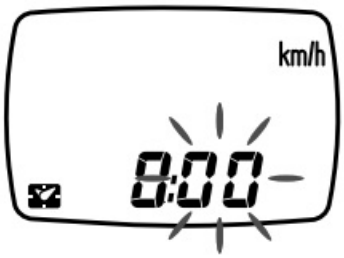


Fig.7

2. Setting Speed Scale

   Perform all clear operations. All displays will illuminate. Then mile/h alone will be displayed as illustrated in fig.5. Km/h and mile/h are alternately displayed with each press of the S/S button. Press the M button to set the

desired

speed scale. The display will change as fig. 6.

3. Setting the wheel circumference (Fig.6)

   The standard wheel circumference of 216 cm for a 27″ wheel is displayed. When using 216 cm without revision, press the M button. ODO will be displayed and 216 cm is set. For revision, press the S/S button to increase the number by one. To increase rapidly, hold down the button. When the desired number appears, press the M button. ODO will be displayed, and the desired number will be set.

4. Resetting or changing the wheel circumference

   Set the main unit in ODO with the M button, and stop it with the S/S button. Press the 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.7) Press the M button over 2 seconds to select, and stop it with the button. Then press the SET button, and minutes flash. Press the S/S 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 the M button, and hours will flash. Use the S/S 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 accuracy, set by the radio time signal.

MOUNTING TO BIKE

- The spokes must run correctly through the inside of the magnet as in fig.8.

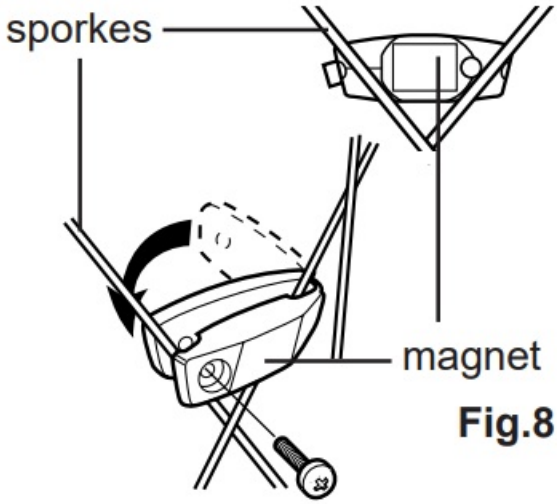


Fig.8

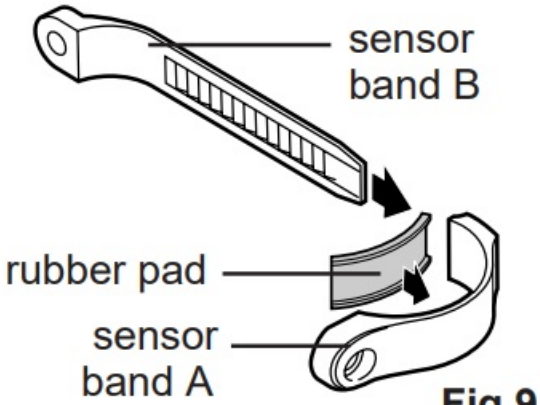


Fig.9

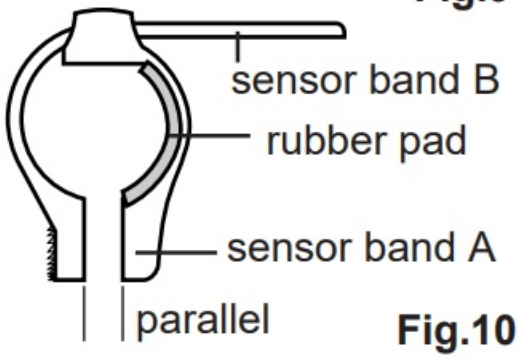


Fig.10

- 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 the band-A(fig. 9). Adjust the length so that the screw-fastening part of the bands is parallel when mounted to the fork(fig. 10). *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. 11).

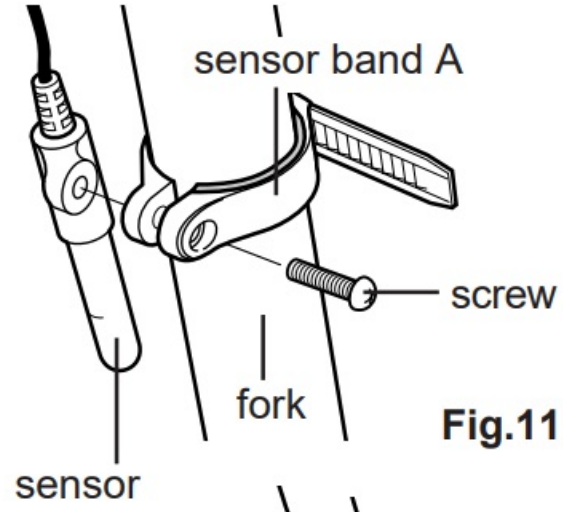


Fig.11

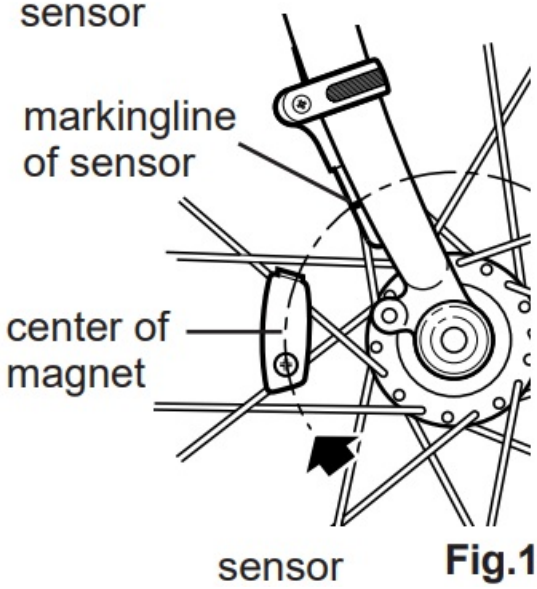


Fig.12

3. Align the magnet's center and the sensor's marking line(fig. 12), and make sure of 2mm clearance between the magnet and sensor (fig. 13).

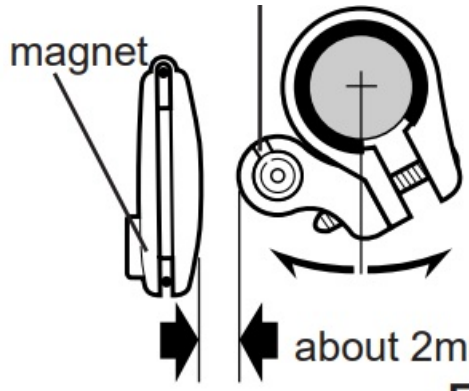


Fig.13

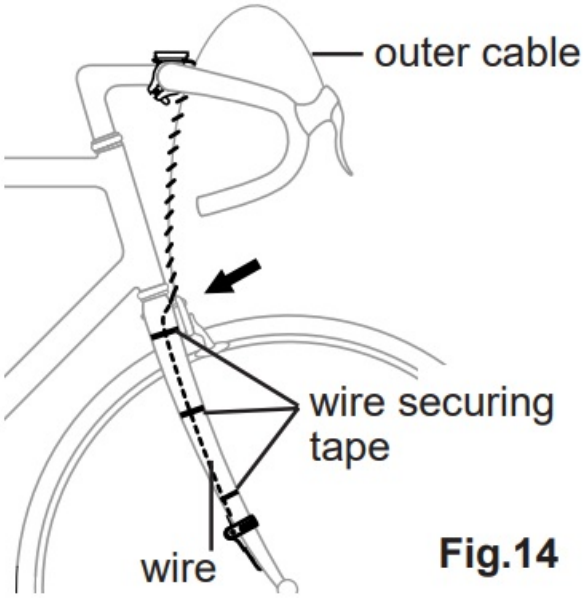


Fig.14

4. Then tighten the screw securely. Cut the excess of the band-B with a nipper or the like.

- Secure the wire with tape as in g. 14. Wind the wire around the outer cable and adjust the 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. 15).

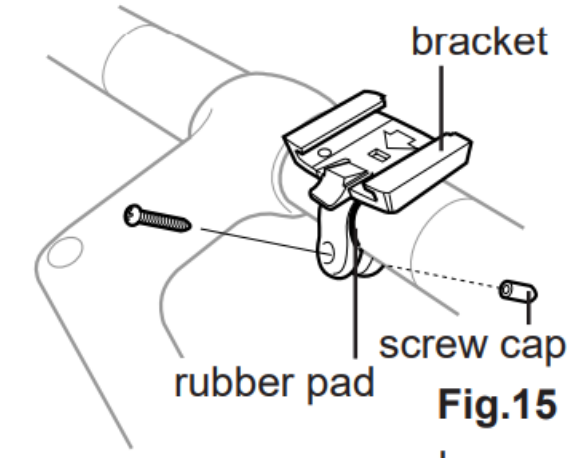


Fig.15

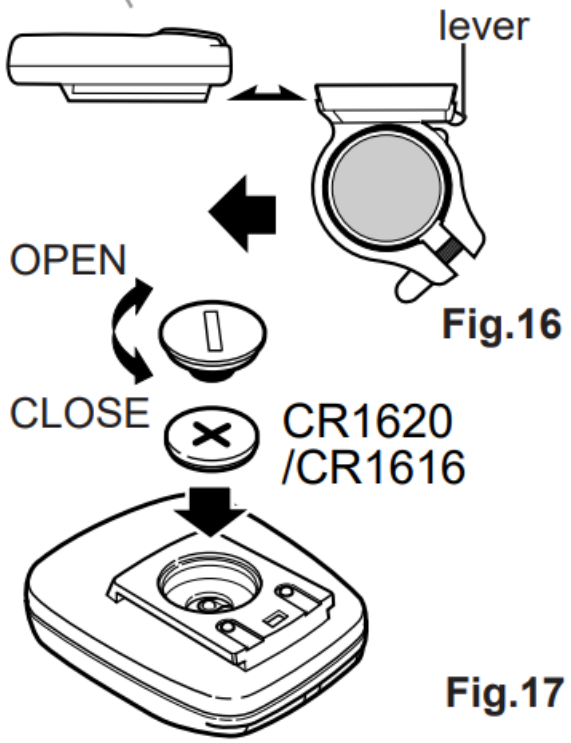


Fig.16

Fig.17

- Slide the main unit onto the bracket from the front until it clicks into position. To remove it, pull it off forward while pushing down the lever. (fig. 16)
- Test (Fig.16)

  Mount main unit. If the main display does not show any figures, press either the M button or the S/S button to release the power-saving function. Spin the wheel to check if the sensor pulse symbol flashes. If not, adjust the relative positions of the magnet and sensor following the instructions.

HOW TO REPLACE THE BATTERY

Turn the main unit over, remove the battery case cover with the coin, insert a new lithium battery properly (CR1620 or CR1616) with the (+) pole upward (fig.17), and close the cover securely. Please make sure to do the All Clear operation after replacing the battery, and to set the unit again.

MEASURING AND DISPLAY FUNCTIONS

SPD Current Speed 0.0(3.0) - 65 mile/h(27inch) ±1 mile/h under31 miles/h

This is always displayed on the main display and updated once a second.

ODO Total Distance (Odometer) 0.0 - 9999.9 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.

DST 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.

TM 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.

AVS Average Speed 0.0 - 65.0mile/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.

MXS Maximum Speed 0.0(3.0) - 65 mile/h(27inch) ±1 mile/h

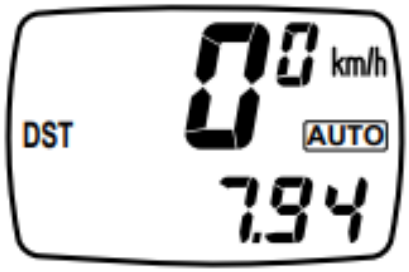
With Reset operation, it returns to zero and counting begins anew.

12-hour clock time 0:00' - 11:59' ±0.003 %

The current time is displayed by a 12-hour clock.

AUTO (AUTOMATIC START/STOP) FUNCTION

This function switches the main unit to start or stop automatically, in which AUTOthe symbol appears on the screen, and you are free from pressing the S/S button each time.



How to switch on/off the Auto Function.

In TM, DST, or AVS, this function switches on/off with each press of the SET button. When on, the AUTO symbol appears. *With this function, it ceases measuring elapsed time during a stop.2 seconds may be elapsed if the main unit is in the bracket with this function on.

POWER SAVING FUNCTION

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

TROUBLESHOOTING

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

- The display response is slow.
- —— Is it at a low temperature under 32°F(0°C)?
- —— It returns to a normal state when the 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 the “All Clear” operation.
- The 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 the sensor and the magnet too far?
- —— Do the marking line of the sensor and the center of the agent match 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 conditions.
- —— Water or condensation may collect between the bracket sensor and the computer causing an interruption in the data transmission.
- Wipe the contacts with a dry cloth. Contacts can also be treated with a water-repellent silicon jell from an automotive parts or hardware store. Do not use industrial water repellent; it may damage the bracket.
- When the S/S button is pressed, the unit doesn’t activate or stop.
- —— Is the unit in the Auto function?
- —— The S/S 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 traffic safety.
- Check the relative position of the sensor and magnet periodically.
- For cleaning, use neutral detergent on a soft cloth, and wipe off later with a dry cloth. Do not apply paint thinner, benzine, or alcohol, to avoid damage on the surface.
- If there is mud, sand,o 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 130cm – 229cm
- Applicable Fork Diameter 11ø – 36ø (S:11 – 26ø L:21 – 36ø)
- The length of the wire is 70cm
- Power Supply Lithium Battery (CR1620/CR1616) x 1
- Battery Life Approx. 3 years(The life of the first factory-loaded battery may be shorter than this period.)
- Dimension/Weight 1-13/16″ x 1-5/8″ x 9/16″ (46 x 41 x 14 mm) / 0.79 oz (22.5 g)
- The specifications and design are subject to change without notice.

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References

- User Manual