BUTTTON 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 **O** mode: Wheel circumference
  - In **T** or **A** mode: On/off the Auto function

- **AC Button (All Clear)**

By pressing the AC button on the back, all stored data (data, speed scale, wheel circumference and clock time) is erased. All displays illuminate, then milli- second symbol illuminates. This operation is to be executed after replacing battery or when irregular display occurs due to static. With this, the data is erased, so necessary data again according to ‘Main Unit Preparation’.

Reset Operation: (fig. 2)

Select any mode except “ ”, then press MODE Button and START/STOP Button simultaneously. M, A, D and 7 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)

   - 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.

2. **Setting Speed Scale (Fig. 4)**

   - By pressing AC Button (All Clear Operation), all displays illuminate, and then mile/h symbol is displayed. If the corrected value is not displayed, the symbol still flashes. If the corrected value is not displayed, the symbol still flashes.

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

   - The wheel circumference of 215mm (standard circumference for 27” wheel) is displayed. When using 215mm without revision, press SET Button. Speed/Elapsed Time will be displayed and 215mm 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 will be displayed and the number is set.

4. **Resetting or changing the wheel circumference**

   - Set main unit in **O** mode 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 instruction (3).

5. **Setting the clock time (Fig. 6)**

   - Press MODE Button over 2 seconds to select **O**, and stop it with START/STOP Button. Then press SET Button, and minutes (0-59) will be displayed. With each press of START/STOP Button to advance minutes by one. To advance rapidly, hold down the button. Set the time one minute 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 of 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 (5 size for up to 24L, 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 fitting in the 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.

4. Secure the wire with tape as fig. 13. Wind the wire around the outer cable and adjust length. Losen the wire in the area marked with the arrow so that the wire does not hinder handlebar operation.

5. Use either 1mm- or 2mm-thick pads if necessary, according to handlebar diameter. Attach the bracket close to the handlebar stem (fig. 14).

6. Slide main unit onto the bracket until it clicks into position. To remove, pull it off forward while pushing down the lever. (fig. 15)

7. **Store**

   - 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 off. Remove battery case cover with coin and insert a new lithium battery properly (CR2032) with (+) pole upward (fig. 16), and close the cover securely.

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

**MEASURING AND DISPLAY FUNCTIONS**

- **Current Speed**

   - 0.00 - 65.9 mile/h (0.3 mile under 31 mile/h)

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

- **Total Distance**

   - 0.0 - 999,999 mile (0.1 mile)

   - This 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.

- **Maximum Speed**

   - 0.03 - 65.9 mile/h (0.3 mile)

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

- **Average Speed**

   - 0.0 - 65.9 mile/h (0.3 mile)

   - 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.

- **Trip Distance**

   - 0.00 - 999,999 mile (0.1 mile)

   - The trip distance from start to current point is displayed. With Reset operation, it returns to zero.

- **Elapsed Time**

   - 0.00'00" - 99:59:59" [±0.000%]

   - 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.

   - 24-hour clock time

   - 0.00 - 23:59:59 [±0.000%]

   - The current time is displayed by a 24-hour clock.

**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 (2) only as the figure. By pressing MODE Button or START/STOP Button, or by receiving signal, this function is released.

**TROUBLESHOOTING**

- **The following situations do not indicate malfunction of the cyclocomputer. Check the following before taking 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 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?

  - Is there 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 have entered 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 water repellent. 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?

  - When 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 try 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.**

- **Do not disassemble the main unit, sensor and magnet.**

- **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.**

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- **Do not disassemble the main unit, sensor and magnet.**
LIMITED WARRANTY

1-Year Warranty for Main Unit Only

(Accessories/Attachments and Battery Consumption excluded)

If trouble occurs during normal use, the part of the Main Unit will be repaired or replaced free of charge. The service must be performed by Cat Eye 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 the person desiring service.

Address for service:
2-8-25, Kuwazu, Higashi Sumiyoshi-ku, Osaka 546 Japan
Attn.: CAT EYE Customer Service Section
Tel: 03-443-4795
Fax: 303-473-0006
e-mail: CatEyeUSA@aol.com

GARANTIE LIMITÉE

1 An de Garantie sur l’Unité Principale (Unique) (Les accessoires et la pile sont exclus de la garantie)

En cas de problème en cours d’utilisation normale, l’unité principale sera réparée ou remplace gratuitement par Cat Eye Co., Ltd. En cas d’usage abusif, la réparation sera facturée. Les nom et adresse de l’auteur doivent figurer sur le certificat de garantie. Les frais d’assistance, de manutention et d’envoi à notre Service Réparations seront supportés par le demandeur de la réparation.

Adresse Service Réparations:
CAT EYE CO., LTD.
2-8-25, Kuwazu, Higashi Sumiyoshi-ku, Osaka 546 Japan
Attn.: CAT EYE Customer Service Section
Tel: 03-443-4795
Fax: 303-473-0006
e-mail: CatEyeUSA@aol.com

BEGRENZTE GARANTIE

1 Jahr-Garantie auf den Computer
(Ersatzteile/Zubehörteile sowie Batterie nicht eingeschlossen)


Adresse Kundendienst:

CAT EYE CO., LTD.
2-8-25, Kuwazu, Higashi Sumiyoshi-ku, Osaka 546 Japan
Attn.: CAT EYE Kundendienstabteilung
Tel: 03-443-4795
Fax: 303-473-0006
e-mail: CatEyeUSA@aol.com

GARANTIE LEBENSPERLEN

1 Jahr garantie, alleen geldig op de computer
(accessoires, aansluitingen en gebruik van batterij uitgesloten)

Mocht er problemen optreden gedurende normaal gebruik, dan zal een vergelijkbaar product direct worden verstrekt door de fabrikant Cat Eye Co., Ltd. voor de kosten van de reparatie mag de klant zelf rekenen. De klant mag geen geen schade aanrichten aan de computer. Service adres:

CAT EYE CO., LTD.
2-8-25, Kuwazu, Higashi Sumiyoshi-ku, Osaka 546 Japan
Attn.: CAT EYE Kundendienstabteilung
Tel: 03-443-4795
Fax: 303-473-0006
e-mail: CatEyeUSA@aol.com

GARANTIA LIMITADA

1 Ano de Garantía exclusivo para la Unidad Principal
(Los accesorios y la pila están excluidos de la garantía)

En caso de problema durante el uso normal, la unidad principal será reparada o reemplazada gratuitamente por Cat Eye Co., Ltd. Al momento del reemplazo del producto se entregará con el certificado de garantía con las instrucciones para la reparación. El nombre y la dirección del comprador deben ser dados en el certificado de garantía. Los gastos de asistencia, manipulación y envío a nuestro servicio se tomarán en cuenta por el consumidor. Dirección para las reparaciones:

CAT EYE CO., LTD.
2-8-25, Kuwazu, Higashi Sumiyoshi-ku, Osaka 546 Japan
Attn.: CAT EYE Customer Service Section
Tel: 03-443-4795
Fax: 303-473-0006
e-mail: CatEyeUSA@aol.com

GARANTIA LIMITADA

Se garantiza por un año únicamente el grupo central
(los accesorios, aditamentos y el consumo de la pila están excluidos)

Si ocurre algún problema durante el uso normal, se reparará o reemplazará el grupo central. Cat Eye Co., Ltd. deberá realizar la reparación. Para devolver el producto, envíe el mismo con su certificado de garantía y las instrucciones para la reparación. Los gastos de asistencia, manipulación y envío al servicio se tomarán en cuenta por el consumidor. Dirección para las reparaciones:

CAT EYE CO., LTD.
2-8-25, Kuwazu, Higashi Sumiyoshi-ku, Osaka 546 Japan
Attn.: CAT EYE Customer Service Section
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1-Year Warranty for Main Unit Only

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Limited Warranty

1-Year Warranty for Main Unit Only

(Accessories/Attachments and Battery Consumption excluded)

If trouble occurs during normal use, the part of the Main Unit will be repaired or replaced free of charge. The service must be performed by Cat Eye 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 the person desiring service.

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