3. SENSOR AND MAGNET MOUNTING (See Fig. D)
- Attach the SENSOR to the SENSOR MOUNTING STRAP with the screw and nut provided.
- Slide the MOUNTING STRAP LOOP onto the MOUNTING STRAP.
- Mount the sensor unit assembly and RUBBER SPACER on the right front fork with the transmit arrow facing up. (See Fig. E)
- Place the MAGNET on one spoke of the front wheel with the magnet facing the SENSOR MARKING LINE. Place the MAGNET COLLAR over the MAGNET and fix with the screw provided. (See Fig F)
- Adjust the relative position between the main unit and the sensor, according to the following key points:
  - To ensure the reliable transfer of information, the sensor and main unit should be as close together as possible (maximum range of 60cm).
  - Adjust the installation angle of the sensor to point within ±15° of the main unit. (See Fig. G)
- Adjust the magnet so that it is aligned with the sensor’s marking line so that the gap between the magnet and the sensor is 5 mm maximum. (See Fig. H)

TM: Riding Time
T.TM: Total Riding Time
- The T.tm totals the riding time from the last reset operation.
- The T.tm accumulates total riding time from the beginning of the computer use and cannot be cleared by the RESET operation.
- The computer will automatically begin counting upon riding, and continue to count for 4 seconds for Bike1 and for 2 seconds for Bike 2 to confirm that no more wheel sensing signals have been sent when riding has stopped. The computer then automatically reverses back the over-counted 2 or 4 seconds.
- Displays the current time in 12 HR or 24 HR Clock.

DS: Trip Distance
- The Ds function accumulates the distance data from the last RESET operation as long as the bike is being ridden.

AV: Average Speed
- The average speed AV is calculated from the Ds divided by the Tm. The average data counted from the last RESET to current count and is obtained by the formula: *0.0"* displayed when Tm is less than 4 sec.
- The information is updated once per second when Tm is over 4 seconds.
- An "Err" symbol is displayed when either the Ds is over 100 hours or the Ds is over 1.000KM or (miles).
- Reset the unit in order to restart.

MX: Maximum Speed
- The computer shows the highest speed from the last RESET operation.
- "SM" Speed Pacer
  - The "SM" speed pacer arrow flashes when the current speed is higher than the average speed.
  - The "SM" symbol when the current speed is lower than the average speed.

Lubrication Reminder (For 12 Function version only)
- You will be reminded by the flashing "SM" symbol to lubricate your bike after you have preset the reminder.

Maintenance Reminder (For 12 Function version only)
- You will be reminded by the flashing "SM" symbol to carry out maintenance on your bike after you have preset the reminder.

DATA SETTING PROCESS (See Fig. 1)
- THIS PROCESS SHOULD BE USED WHEN ANY ADDITIONS ARE BEING MADE
  - The data is adjusted one digit at a time. The digit or function being changed will flash.
  - Press the MODE BUTTON  to increase the digital value by 1.
  - To change the setting digit, hold down the MODE BUTTON  for more than 2 seconds.
  - Press the SET BUTTON  to store data.

APPLYING THE COMPUTER
#IMPORTANT! CARRY OUT THE FOLLOWING PROCEDURE WHEN USING THE COMPUTER FROM THE FIRST TIME OR AFTER REPLACING THE BATTERY
- Install battery (refer to battery INSTALLATION / CHANGE).
- Hold down the MODE BUTTON  and SET BUTTON  simultaneously for more than 3 seconds to initialize the computer and clear all data. (See Fig. 2)
- All the LCD segments will be tested automatically after the unit is activated.
- Press MODE BUTTON  to stop the LCD test.
UNIT SELECTION (See Fig. 2)
- Press MODE BUTTON to change Km/h or Mph/h. Then press the SET BUTTON to store selection.

Ono1, Ono2 and T.Tm DATA SETTING (For 12 Function version only) (See Fig. 3)
- The function is designed to re-key in the previous data of Ono1, Ono2 and T.Tm after the battery has been replaced. A new user does not need to set this data, therefore press the SET BUTTON twice until the wheel circumference setting is displayed.

CIRCUMFERENCE DATA SETTING (See Fig. 4)
- The default value of 2155 will be displayed. Refer to the WHEEL CIRCUMFERENCE table below for your tire size.
- Install the corresponding CIRCUMFERENCE NUMBER by following the instructions as described in the DATA SETTING PROCESS.
- The LCD will change to the clock setting screen for 9 Function or change to the lubrication reminder setting screen for 12 Function after the SET BUTTON is pressed to store the desired data.
- Refer to the chart below to calculate the setting value.

<table>
<thead>
<tr>
<th>Wheel Size</th>
<th>Setting Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>47-460</td>
<td>20 X 7.175 X 2</td>
</tr>
<tr>
<td>37-540</td>
<td>24 X 1.38A</td>
</tr>
<tr>
<td>47-570</td>
<td>24 X 7.175 X 2</td>
</tr>
<tr>
<td>33-571</td>
<td>26 X 1.5</td>
</tr>
<tr>
<td>40-559</td>
<td>26 X 1.5</td>
</tr>
<tr>
<td>44-549</td>
<td>26 X 1.5</td>
</tr>
<tr>
<td>47-549</td>
<td>26 X 7.175 X 2</td>
</tr>
<tr>
<td>50-529</td>
<td>26 X 1.5</td>
</tr>
<tr>
<td>54-529</td>
<td>26 X 2.0</td>
</tr>
<tr>
<td>57-529</td>
<td>26 X 2.15</td>
</tr>
<tr>
<td>37-570</td>
<td>28 X 1.38X</td>
</tr>
<tr>
<td>37-584</td>
<td>28 X 1.38X X 1/2</td>
</tr>
<tr>
<td>20-571</td>
<td>26 X 3/4</td>
</tr>
<tr>
<td>32-630</td>
<td>27 X 1 1/4</td>
</tr>
<tr>
<td>20-630</td>
<td>27 X 1 1/4</td>
</tr>
<tr>
<td>40-622</td>
<td>28 X 1 1/2</td>
</tr>
<tr>
<td>20-622</td>
<td>28 X 1 1/2</td>
</tr>
<tr>
<td>37-549</td>
<td>28 X 1 1/8 X 1/8</td>
</tr>
<tr>
<td>18-622</td>
<td>700 X 18C</td>
</tr>
<tr>
<td>20-622</td>
<td>700 X 28C</td>
</tr>
<tr>
<td>23-622</td>
<td>700 X 23C</td>
</tr>
<tr>
<td>25-622</td>
<td>700 X 28C</td>
</tr>
<tr>
<td>28-622</td>
<td>700 X 28C</td>
</tr>
<tr>
<td>32-622</td>
<td>700 X 32C</td>
</tr>
<tr>
<td>37-622</td>
<td>700 X 32C</td>
</tr>
<tr>
<td>40-622</td>
<td>700 X 40C</td>
</tr>
</tbody>
</table>

WHEEL CIRCUMFERENCE TABLE

LUBRICATION OR MAINTENANCE REMINDER SETTING (For 12 Function version only) (See Fig. 5)
- The computer has a built-in feature to forward program reminders at a given mileage to remind you to either lubricate or carry out maintenance on the cycle.
- The symbols "Φ" or "Φ" are symbols for lubrication or maintenance reminder setting (Default Lubrication Bike) 100 Km or miles, Bike2 300km or miles, Maintenance Bike 1300 Km or miles.
- Adjust the reminder distance as described in the DATA SETTING PROCESS.
- The function will be skipped if you set the distance to 0000.00.
- Press the SET BUTTON to store the desired data and change to the next setting.

CLOCK SETTING (See Fig. 6)
- The 12/24M clock setting is now displayed and flashing.
- Press the MODE BUTTON to scroll through 12H/24H, 12H.pm and 24H settings.
- Change the desired setting is displayed hold down the MODE BUTTON for more than 2 seconds.
- The clock setting screen will now be displayed.
- Press the SET BUTTON to adjust the clock setting according to the DATA SETTING PROCESS.
- The computer is now ready for use.

BUTTONS AND NORMAL OPERATIONS

To activate computer, press MODE button

MODE BUTTON
- Quickly press this button to move in a loop sequence from one function screen to another.
- It skips the T.Tm, Ono1, Ono2, Lubrication and Maintenance Reminder function whilst being ridden.

SET BUTTON
- Press this button to get in or out of the setting screens when you want to reset wheel circumference, Lubrication and Maintenance reminder or the current time of the Clock.

RESET OPERATION
- Hold down the MODE BUTTON until the LCD digit is blank, then release it. The computer will reset AV, TM and MX data from stored values to zero.
- It cannot reset Ono1, T.Tm, Ono2, Clock, Lubrication and Maintenance.

MAIN UNIT SLIDE ON/OFF DETECTION
- The computer has a slide on/off switch to avoid noise interference when the main unit is removed from the bracket. The main unit can only receive the wheel signal when it is on the handlebar bracket.

BIKE 1 OR BIKE 2 SELECTION (For 12 Function version only) (See Fig. 7)
- This computer has been designed to allow it to be used on two cycles, with different wheel sizes. It also accumulates each Odometer, Lubrication and Maintenance reminder distance.
- Hold down the MODE BUTTON for more than 5 seconds until it enters the bike selection screen. Don’t worry if the LCD display is blank while the MODE BUTTON is held for over 2 seconds. The Ds, Ms, TMs, Av data will remain unchanged after Bike 1 or Bike 2 is selected.
- Press the MODE BUTTON to change to Bike 1 or Bike 2 selection. The appropriate circumference will be displayed.
- Hold the MODE BUTTON for over 2 seconds to store the selection and return to normal operation.

CIRCUMFERENCE, CLOCK, LUBRICATION AND MAINTENANCE REMINDER SETTING

- Press the MODE BUTTON to change to one of the following mode displays:
  - Change to Ono screen to set Circumference.
  - Change to "Φ" screen to set Lubrication reminder.
  - Change to "Φ" screen to set Maintenance reminder only.
  - Change to Tm screen to set both Lubrication and Maintenance Reminders.
  - Press the SET BUTTON to enter to the relative setting screen.
  - Adjust the desired value according to the DATA SETTING PROCESS.
  - Press the SET BUTTON to store the desired data and complete the current setting.

BATTERY INSTALLATION CHANGE MAIN UNIT (See Fig. K)
- The symbol "Φ" will appear to indicate the battery is nearly exhausted.
- Replace the battery, etc. on a few days of the symbol appearing.
- All data will be cleared when the battery is replaced. However you are able to re-key in the Ono1, Ono2 and T.Tm information which you had ridden before replacing the battery. Keep a record of this data before you remove the old battery.
- Replace with a new CR2025 BATTERY and carry out the "ACTIVATING THE COMPUTER" instructions.

BATTERY CHANGE - SENSOR (See Fig. L)
- The SENSOR 4 battery will typically last up to 2 years (or 24,000 km/15,000 miles). It is advisable to replace the battery before the battery power is completely exhausted; otherwise the transmission power of the SENSOR 4 may be weakened and cause the main unit to display unsuitable data.
- Replace with a new LR44 BATTERY 4 with the positive (+) pole towards the SENSOR BATTERY CAP 4.

TROUBLE SHOOTING
Check the following before taking unit in for repairs.

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>CHECK ITEMS</th>
<th>REMEDY</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Display or Irregular Display</td>
<td>1. Is the sensor battery dead?</td>
<td>1. Replace the battery.</td>
</tr>
<tr>
<td>2. Is the battery in the computer (main unit) dead?</td>
<td>2. Replace the battery.</td>
<td></td>
</tr>
<tr>
<td>3. Is there incorrect battery installation?</td>
<td>3. Refer to the Main Unit Setup and reset your computer.</td>
<td></td>
</tr>
<tr>
<td>4. Is the positive pole of the battery facing the battery cap?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| No current speed or incorrect data | 1. Is it at the MAIN UNIT SETUP or clock setting screen? | 1. Refer to the adjusting procedure and complete the adjustment. |
| 2. Are the contacts between the main unit and bracket poor? | 2. Wipe contacts clean. |
| 3. Are the relative positions and gap of sensor and magnet correct? | 3. Refer to (Figs. F, G, H) and readjust data correctly. |
| 4. Is the wire broken? | 4. Repair or replace wire. |
| 5. Is the circumference correct? | 5. For “wheel circumference” and enter correct value. |

LCD is black| Did you leave main unit under direct sunlight when not riding the bike for a long time?| Place main unit in the shade to return to normal state. |
| No adverse effect of data.|

Display is slow| Is the temperature below 0°C (32°F)?| Unit will return to normal state when the temperature rises. |