INTRODUCTION

Congratulations on your purchase of the Ascent Delta V cycle computer. Packaged with all the features that a professional rider needs to keep track of a workout, the Delta V is a perfect companion. For reference you can refer to the function table of your computer’s features as stated on the box.

FEATURES

- Speedometer (0-99.9 Km/hr or M/hr)
- Tripmeter (Up to 999999.9 Km or M)
- Odometer (Up to 999.9 Km or M)
- White LED digital display: 12/24 hour Selectable
- Battery indicator
- Battery Low Error
- Fan failure
- Display shows Take out battery and install again
- Display readout fades Poor battery contacts or dead battery
- Slow display response Temperature outside of operating limits
- Blower Low Error
- Battery Low Error
- Odometer and tripmeter will clear and restart the computer’s features as stated on the box.

For reference you can refer to the chart of wheel diameter size factor inputs. Refer to the chart of wheel diameter size factor inputs. (Note: To switch between the 12 and 24 hour format or to switch to wheel size input mode, multiply wheel diameter, D (Fig. 7) in millimeters by 3.1416 to determine wheel factor, C. Press the LEFT button to select digits to be input and the RIGHT button to adjust the digit to the desired number (hold for fast advances). Press the LEFT button again to advance to KM/MILE selection. (Note: Removing battery will erase Wheel Size Input)

WHEEL SIZE INPUT

Press and hold LEFT and RIGHT buttons for 2 seconds on or after the replacement of battery, the unit will switch to wheel size input mode. Multiply wheel diameter, D (Fig. 7) in millimeters by 3.1416 to determine wheel factor, C. Press the LEFT button to select digits to be input and the RIGHT button to adjust the digit to the desired number (hold for fast advances). Press the LEFT button again to advance to KM/MILE selection. (Note: Removing battery will erase Wheel Size Input)

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AUTO START/STOP

To preserve batteries, the cycle computer will automatically switch off if the unit is left unused for over 3 to 6 minutes. Display will reappear with a press on either button or input from the sensor.

SENSOR INSTALLATION

Clamp the magnet on the spoke of front wheel with the screw provided and attach the sensor to the fork by using cable ties as shown in Fig. 1a. Make sure the arc of magnet intersects the alignment mark on the sensor with 2mm clearance as shown in Fig. 2. Make sure transmitter is no further than 60mm from the computer head.

MOUNTING BRACKET

Attach the mounting bracket to the right side of the handlebar by using a screwdriver as shown in Figs. 4a & 4b. Make sure the mounting bracket is clamped tightly and will slide on the handlebar with the rubber shims provided. Adjust the position of the mounting bracket as shown in Fig. 5 and fix it by locking the 3 screws tightly.

COMPUTER FUNCTIONS

- Speedometer
  - Instantaneous Speed is indicated on the top line. The range of measurement is from 0 to 999Km/hr (0 to 999.9M/hr) and accuracy is ±0.5M/hr (M/hr).
- Odometer (ODO)
  - Total distance traveled is indicated by ODO and displayed on the bottom line. To reset ODO, press and hold LEFT and RIGHT buttons for 2 seconds or remove the battery. Press the right button to enter DST mode.
- Tripmeter (DST)
  - Trip distance measurement is indicated by DST and displayed on the bottom line. Tripmeter is activated automatically with speedometer input. Reset DST to zero by pressing the LEFT button for 2 seconds. NOTE: TM (Trip Time) and AVS (Average Speed) will also be reset at that time. Press the RIGHT button to enter MM mode. Press the RIGHT button to enter AVS mode.
- Maximum Speed (MXS)
  - Maximum speed measurement is indicated by MXS and is displayed on the bottom line. Maximum speed is stored in memory and updates only when a higher speed is reached. Press the LEFT button to erase MXS mode, press and hold the LEFT button in the MXS mode to reset MAX speed. Press the RIGHT button to enter AVS mode.
- Average Speed (AVS)
  - Average Speed measurement is indicated by AVS and is displayed on the bottom line. AVS is calculated using the Trip Timer and Tripmeter. Press the RIGHT button to enter TM mode.
- Trip Timer (TM)
  - Trip timer measurement is indicated by TM and is displayed on the bottom line. Trip Timer is activated automatically with speedometer input (total travel with the front wheel is turning). It records only the time spent actually riding. Reset TM to zero by pressing the LEFT button for 2 seconds in DST mode.
- Scan (SCAN)
  - The scan mode allows DST, MAX, AVS, TM and clock on the screen without pressing any keys. Press and hold the RIGHT button for two seconds in any model screen to cycle through as many scan modes as there are. Press the RIGHT button in the TM mode screen to enter continuous scan mode.
- Freeze Frame Memory (Flashing Display)
  - This feature allows you to store a snapshot of the display for an extended period of time. This feature is useful when at the end of a race, allowing you to record your time, distance, average speed and maximum speed.
- Activate Freeze Frame Memory
  - In any mode, press the LEFT button. The display will flash, indicating the freeze frame feature is activated. You may now log the display by pressing the RIGHT button
- Deactivate Freeze Frame Memory
  - Press the LEFT button again to deactivate freeze frame memory and return to normal operation.
- Odometer Save Function
  - The SAVE function allows you to keep the important data of total distance (ODO) even after battery replacement. To set ODO after battery replacement and wheel size setting, press RIGHT button to advance to ODO mode and then hold LEFT button for 2 seconds until the last digit is flashing.

To adjust number, press the RIGHT button and then press the LEFT button to confirm and select digit to be input. Repeat this sequence to reach the desired odometer value. Press the LEFT button again to return to normal ODO mode.

Malfunction

<table>
<thead>
<tr>
<th>Problem</th>
<th>No speedometer reading</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed display</td>
<td>Improper magnet/sensor alignment</td>
</tr>
<tr>
<td>Black display</td>
<td>Temperature outside of operating limits (8-55 degrees C)</td>
</tr>
<tr>
<td>Display failure</td>
<td>Poor battery contacts or dead battery</td>
</tr>
<tr>
<td>No trip distance reading</td>
<td>Check sensor/magnet alignment</td>
</tr>
<tr>
<td>Display shows irregular figures</td>
<td>Take out battery and install again</td>
</tr>
</tbody>
</table>

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COMPUTER INSTALLATION

- Computer:
  - Remove the battery cover from the bottom of the computer using a small coin. Install the 3V battery with positive (+) pole facing the battery cap.
- Transmitter:
  - Remove the battery cover from the top of the transmitter using a small coin. Install the 12V battery with positive (+) pole facing the battery cap. Replace the cap and be sure it is tight to prevent moisture leakage.

BATTERY INSTALLATION

- Remove the battery cover from the bottom of the computer using a small coin. Install the 3V battery with positive (+) pole facing the battery cap.
- Replace the cap and be sure it is tight to prevent moisture leakage. See Fig. 1b.