APA® Manual
CYCLE COMPUTER
Model: UF16

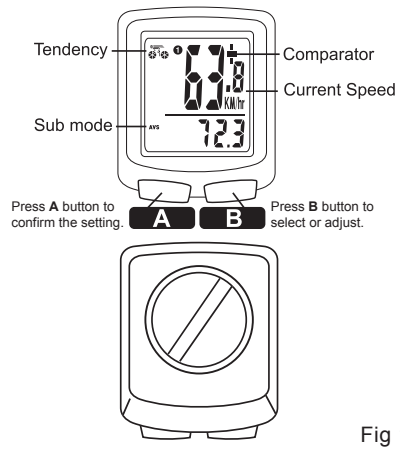
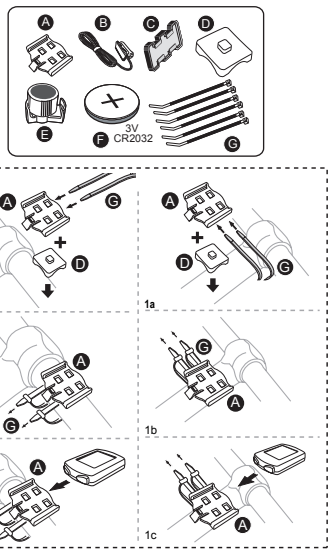
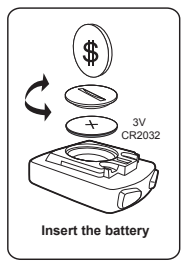
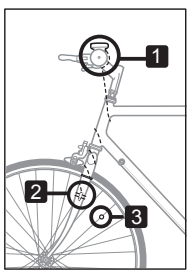


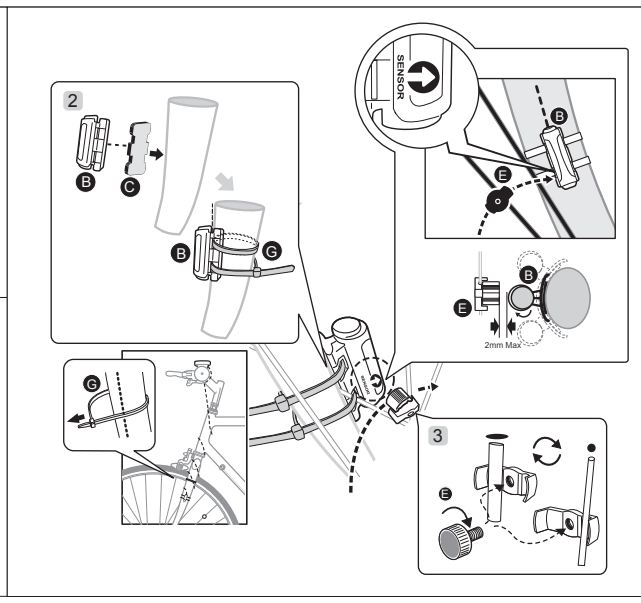
Fig 1.

Installation Sheet









Popular tires circumference reference table

Tire Size	Circumference Nunber/
18 Inch	1436 mm
20x1.75	1564
20 Inch	1596
22 Inch	1759
ATB 24x1.75	1888
24 Inch	1916
24x 13/8	1942
ATB 26x1 40	1995
ATB 26x1.50	2030
ATB 26x1.75	2045
26Inch (650A)	2073
ATB26x2.0(650B)	2099
700C TUBULAR	2117
700x20C	2092
700x25C	2124
700x28C	2136
27 Inch (700x32c)	2155
700x35C	2164
700x38C	2174
27.5 Inch	2193
28 Inch (700B)	2234
28.6 Inch	2281

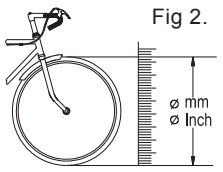


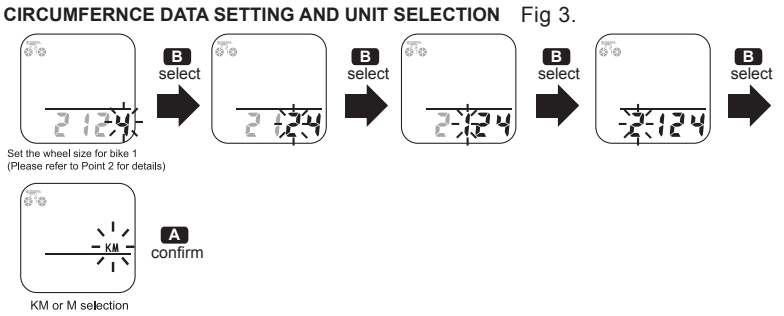
Fig 2.

Setting Value
= ø mm x 3.14
= ø Inch x 25.4(mm) x 3.14

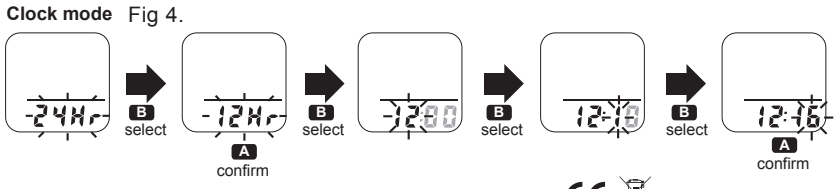
Main Unit Setup (Fig.3)
Main Unit Setup

- **CIRCUMFERNCE DATA SETTING**
  1). The default is set at 2124mm.Measure the value for your wheel (Fig. 2) or refer to the quick table provided in the manual for your bicycle.
  2). A quick press of the “B” button advances the flickering digit by 1.
  3). To change the flickering digit , press down the “A” button (2) till the flickering digit moves to the next digit.
  4). Finish all digit until it jumps out of the setting to store the desired data and turn to Unit Selection.
- **UNIT SELECTION**
  1). Press the “B” button to select “KM/h” or “M/h”(Mile/h).
  2). Press the “A” button to complete setup.
- **Clock mode:** (Fig. 4)
  Hold A button for 3 seconds, can reset the clock.
  press B button to select, press A button to confirm and next section.

CIRCUMFERNCE DATA SETTING AND UNIT SELECTION Fig 3.



Clock mode Fig 4.



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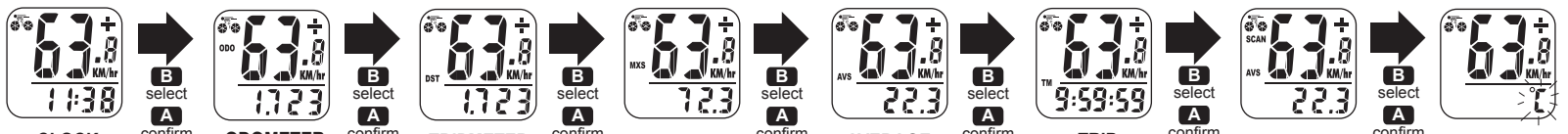
FUNCTION SELECT Fig 5.



- **FUNCTIONS (Fig. 5)**

− **Speed Comparator**
A “+” or “-“ sign spears to the right of the speed. “+” Indicates you are traveling faster than you are traveling faster than your average speed (AVS). A “-“ indicates you are riding slower than your average speed.

− **Speedometer (SPD) 0.0-99.9KM/h [M/h], +/- 0.5KM/hr [M/KM]**
The current speed is always displayed on the 4 digits set when riding.

− **Odometer (ODO): 0.0-9999.9Km (Miles), 0.1Km (Mile), +/- 0.1%**
The ODO accumulates the total distance as long as the bike is moving.

− **Tripmeter (DST): 0.0-999.99Km (Miles)**
The DST function accumulates the distance data from the last RESET operation as long as the bicycle is being ridden.

− **Digital Clock (12H/24H):**
It displays the current time in 12HR or 24HR clock.

− **Trip Timer (TM) 9HR59MIN59SEC**
TM indicates trip timer measurement. It is activated automatically with speedometer input, It records only the time spent actually riding.

− **Maximum Speed (MXS) 0.0-99.9KM/h [M/h]**
Maximum speed is stored in memory and updated only when a higher speed is reached.

− **Average Speed (AVS)**
Average Speed measurement is indicated by AVS and is displayed on the bottom line. AVS is calculated with the trip timer (TM). So AVS is the average speed only while riding.

− **Scan**
The Scan mode allows DST, MXS, AVS and TM to cycle on the screen without pressing any keys.

− **Reset Mode**
To Reset DST(Trip Dsitance), TM(Trip Timer) & AVS(Average Speed) to zero by pressing the **A** Button for 2 seconds.
To Reset ODO, press and hold **A** and **B** buttons for 2 seconds or remove the battery.

− **TEMPERATURE:**
Degree C or Degree F selection:
Holding the **A** Button for 3 seconds will enter the degree C/F selection. Press the **B** Button to select and press the **A** button to confirm.

− **ODOMETER SAVE FUNCTION**
The SAVE function allows you to keep the important data of total distance (ODO) even after replacement of battery.
To set ODO, after battery replacement and wheel size setting. Press **B** button to ODO mode and then press and hold **A** button for 2 seconds until the last digit flickering. To adjust number, press the **B** button. Press the **A** button to confirm. Repeat above sequence to reach the desired odometer value. Press the **A** button again to return to normal ODO mode.

- **BUTTON AND OPERATIONS**

− **AUTOMATIC START/STOP**
1. The computer will automatically begin counting ,ODO, DST data upon riding and stop counting data when riding is stopped.
2. The flickering symbol “ “ indicates that the computer is at START status.

− **POWER AUTO ON/OFF**
To preserve battery, this computer will automatically switch off when it has not been used for about 10 minutes. The power will be turned on automatically by riding the bicycle or by pressing the button.

− **MODE BUTTON**
Quickly press this button to move in a loop sequence from one basic function screen to another.

− **ALL CLEAR OPERATIONS (Initiate the Computer)**
Press the both button if any irregular data appears. It will clear all stored data.

− **BATTERY CHANGE**
1. When the brightness of the LCD display is dim, it means that the battery is nearly exhausted.
2. Replace with a new CR2032 battery in the compartment on the back of the computer with the positive (+) pole toward the Battery cap.

− **MAINTENANCE PROGRAM**
It is used to remind you for the parts replacement or to lubricate the chains and wheels after the reset distance is reached. Right after KM/ MILE selection, the preset total distance of 600km (or miles) will flash, press the **B** button to select between 200, 400, 600 & 800km (or miles) and press **A** button to confirm.

− **FREEZE FRAME MEMORY**
Press **A** Button, Freeze Frame Memory can lock the display at the end of a ride segment and information TM, DST and AVS which will be flashing, can be read at a later time by pressing the **B** Button. To release the memory, press the **A** Button until the display digit is static again. This is particularly useful when crossing the finish line of a time trail. Since the TMR cannot be stop manually.

- **TROUBLE SHOOTING**

Check the following before taking unit in for repairs.

PROBLEM	CHECK ITEMS	SOLUTION
No display	1. Is the battery dead ? 2. Is there incorrect battery installation ?	1. Replace the battery. 2. Be sure that the positive pole of the battery is facing the battery cap.
No current Speed or incorrect data	1. Is it at the recalibrating or 12HR clock setting screen ? 2. Are the contacts between the main unit and the bracket poor ? 3. Are the relative positions and gap of senor and magnet correct ? 4. Is the wire broken ? 5. Is the circumference correct ?	1. Refer to the adjusting procedure and complete the adjustment. 2. Wipe contacts clean. 3. Refer to the installation and readjust data correctly. 4. Repair or replace wire. 5. Refer to “CALIBRATION” and enter correct value.
Irregular display		Refer to the “MAIN UNIT SETUP” and initiate the computer again.
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 on data.
Display is slow	Is the temperature below 0°C (32°F) ?	Unit will return to normal state when the temperature rises.

- **PRECAUTIONS**

1. This computer can be used in the rain but should not be used under water.
2. Don’t leave the main unit exposed to direct sunlight when not riding the bike.
3. Don’t disassemble the main unit or it’s accessories.
4. Check relative position and gap of sensor and magnet periodically.
5. Clean the contacts of the bracket and the bottom of the main unit periodically.
6. Don’t use thinner, alcohol or benzine to clean the main unit or its accessories when they become dirty.
7. Remember to pay attention to the road while riding.

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