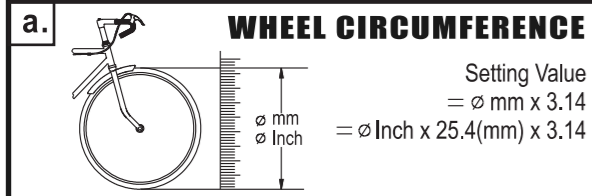
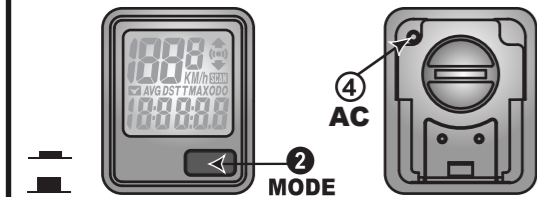
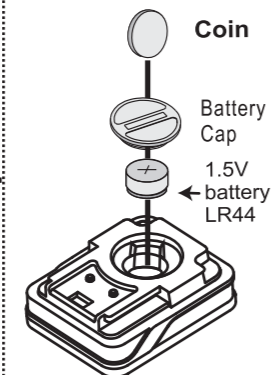


halfords

151624 Halfords 8 Function Computer
151632 Halfords 10 Function Computer

C. BATTERY CHANGE



a. WHEEL CIRCUMFERENCE

Setting Value
= \varnothing mm x 3.14
= \varnothing Inch x 25.4(mm) x 3.14

b. POPULAR TIRE CIRCUMFERENCE REFERENCE TABLE

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

8 FUNCTIONS: SPD, DST, ODO, CLK, AVG, MAX, TM, SCAN.
10 FUNCTIONS: SPD, DST, ODO, CLK, AVG, MAX, TM, TTM, SCAN, SPEED PACER.

MAIN UNIT SETUP (Fig. 1) English

INITIATE THE COMPUTER

- Be sure to press the All Clear (AC) key ④ to clear all stored data and initiate the computer before using it or when replacing battery. Otherwise the unit may malfunction.
- The LCD segments will be tested automatically after the All Clear key is pressed.
- Press the "MODE" button ② to stop the LCD test, then the flickering "KM/h" and "c2155" will be displayed.

- CALIBRATION**
 - UNIT SELECTION**
 - Press the "MODE" button ② to select "KM/h" or "M/h"(Mile/h).
 - Hold the "MODE" button ② till the flickering digit is changed to the digit "2" of the c2155 to recognize either KM/h or M/h as desired.
 - CIRCUMFERENCE DATA SETTING**
 - The default is set at 2155mm. Measure the value for your wheel (Fig. a) or refer to the quick table provided in the manual for your bicycle. (Fig. b)
 - A quick press of the "MODE" button ② advances the flickering digit by 1.
 - To change the flickering digit, hold down the "MODE" button ② till the flickering digit moves to the next digit.
 - When set up is complete, hold down the "mode" button for 6 seconds until main screen appears (fig 2).

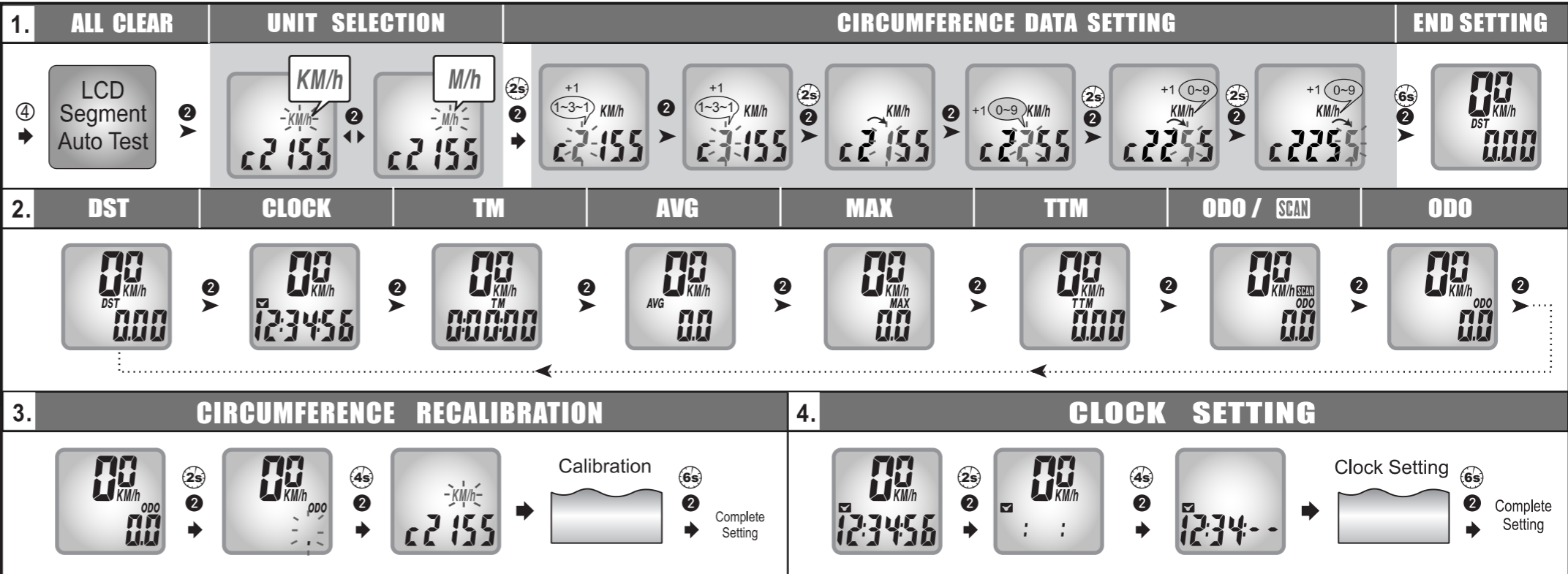
FUNCTIONS (Fig. 2)

- (●) : Current Speed** 0.0-199.9KM/h (120.0 M/h), 0.1KM/h (M/h), +/- 1%
The current speed is always displayed on the 4 digits set when riding.
- DST: Trip Distance** 0.00-999.99Km (Miles), 0.01Km (Mile), +/- 0.01%
The DST function accumulates the distance data from the last RESET operation as long as the bicycle is being ridden.
- ☑ : 12HR Clock** 1H00M00S-12H59M59S, 1 Second, +/- 0.05%
It displays the current time in 12HR clock.

- TM: Riding Time** 0H00M00S-19H59M59S, 1 Second, +/- 0.05%
The TM totals the riding time from the last RESET operation.
- AVG: Average Speed** 0.0-199.9KM/h (120.0 M/h), 0.1KM/h (M/h), +/- 0.1%
1. It is calculated from the DST divided by the TM; the average data counted is from the last RESET to current points.
2. It displays an "Err" symbol when either the TM is over 100 hours or the DST is over 1,000 km (or miles). Reset the unit in order to restart.
- MAX: Maximum Speed** 0.0-199.9KM/h (120.0 M/h), 0.1KM/h (M/h), +/- 1%
It shows the highest speed from the last RESET operation.
- TTM: Total Riding Time** 0H00M-1999H59M, 1 Minute, +/- 0.05%
The TTM totals the riding time from the last ALL CLEAR operation.
- ODO: Odometer** 0.0-19999.9Km (Miles), 0.1Km (Mile), +/- 0.1%
The ODO accumulates the total distance as long as the bike is moving. The ODO data can be cleared by ALL CLEAR operation only.
- SCAN : SCAN**
 - Auto-Scanning Display Mode**
Press the MODE button ② till the "SCAN" symbol is displayed. The computer will change the DST, ☑, TM, AVG, MAX, TTM and ODO display modes in a loop sequence automatically every 6 seconds.
 - Fixed Display Mode**
Press the MODE button ② to turn off the "SCAN" symbol and select a desired display mode; the computer will stop the auto-scanning display operation and the display mode is set.
- ◆ / ◆ : Speed Pacer**
It flashes the "◆" speed pacer arrow while the current speed is higher than the average speed and the down arrow "◆" flickers conversely.

BUTTON AND OPERATIONS

- AUTOMATIC START/STOP**
- The computer will automatically begin counting (●), ODO, DST, MAX, TTM, TM and AVG data upon riding and stop counting data when riding is stopped.
 - 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 ②**
Quickly press this button to move in a loop sequence from one basic function screen to another. (Fig. 2)
- ALL CLEAR OPERATION (Initiate the Computer)**
Press the ALL CLEAR (AC) ④ key to initiate the computer or use ALL CLEAR if any irregular data appears. It will clear all stored data.
- RESET OPERATION**
 - Hold down the "MODE" button ② till the LCD digit is blank, then release it. The computer will RESET the DST, TM, AVG, MAX.
 - It cannot reset ☑, TTM and ODO data.
- RECALIBRATION (Fig. 3)**
 - Change the LCD display to ODO screen, hold down the "MODE" button ② till (about 6 seconds) it jumps into the calibrating screen.
 - Refer to the main unit setup process to adjust the circumference.
 - Hold down the "MODE" button ② till (about 6 seconds) it jumps out the recalibration mode to store the desired data and complete recalibration.
- 12HR CLOCK SETTING (Fig. 4)**
 - Change the LCD display to "☑" screen.
 - Press the "MODE" button ② till (about 6 seconds) it jumps into the clock adjusting screen to set the clock.
 - A quick press of the "MODE" button ② advances the flickering digit by 1.
 - To change the flickering digit, hold down the "MODE" button ② till the flickering digit moves to the next digit.
 - Hold down the "MODE" button ② till (about 6 seconds) it jumps out the setting to store the desired data and complete clock setting.
- BATTERY CHANGE (Fig. c)**
 - When the brightness of the LCD display is dim, it means that the battery is nearly exhausted.
 - Replace a new LR44 (Cross reference type A76, AG13 or V13GA) battery in the compartment on the back of the computer with the positive (+) pole toward the battery cap.

TRUBLE SHOOTING

Check the following before taking unit for repair.

| 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 sensor 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 (Fig. B3) and (Fig. B4) 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**
 - This computer can be used in the rain but should not be used under water.
 - Don't leave the main unit exposed to direct sunlight when not riding the bike.
 - Don't disassemble the main unit or it's accessories.
 - Check relative position and gap of sensor and magnet periodically.
 - Clean the contacts of the bracket and the bottom of the main unit periodically.
 - Don't use thinner, alcohol or benzine to clean the main unit or its accessories when they become dirty.
 - Remember to pay attention to the road while riding.