No buttons

TREK.

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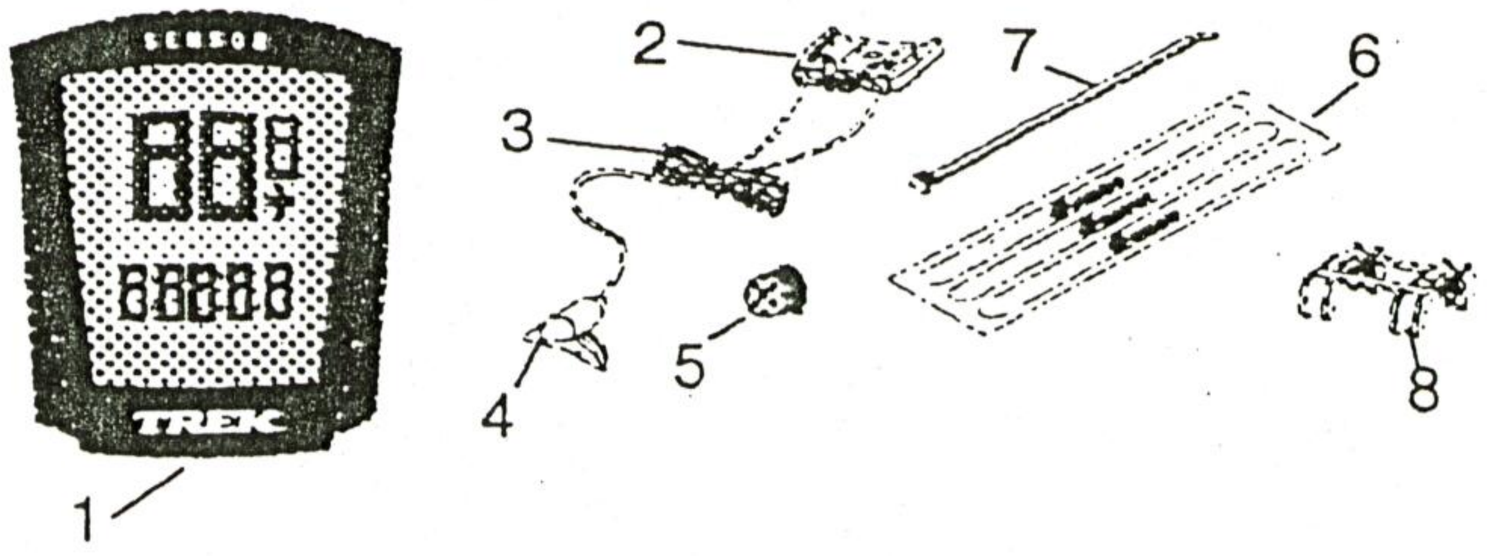
Trek Sensor Cycling Computer Owners Manual

Congratulations and thank you for purchasing the Trek Sensor Cycling Computer. Before operating, please read this instruction manual carefully and retain it for future reference. We recommend setting the speed scale and wheel circumference before installing the computer.

Precautions

Remember to watch the road or trail while riding. Watching your bicycle computer makes it difficult to see upcoming obstacles. Awareness of potential road, trail or traffic problems should be your main concern.

Main Unit/Accessories



Contents:

1. Main Unit
2. Bracket
3. Wire
4. Wheel Sensor
5. Magnet
6. Wire Securing Tape
7. Zip Tie
8. Bracket Rubber Pad

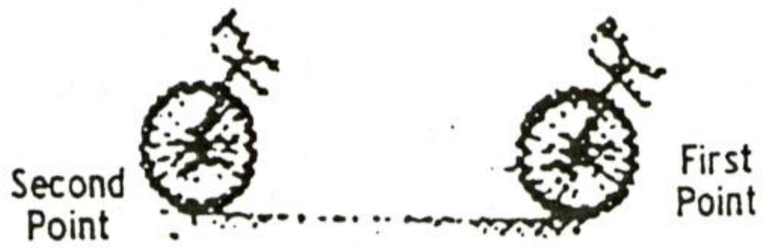


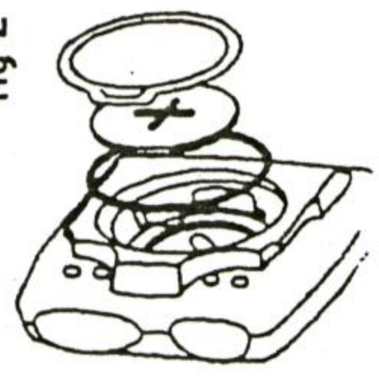
Fig. 1 Measure the distance which is your circumference

Table 1. Setting values reference table

Preparation - Must be completed before operation

Wheel/Tire Size	Wheel size Setting	Wheel/Tire Size	Wheel size Setting
16"	1300	700 X 20C	2074
20" X 1.75"	1600	700 X 23C	2085
24" X 1.95"	1920	700 X 25C	2100
26" X 1"	1950	700 X 28C	2135
650 X 20C	1945	700 X 32C	2155
650 X 23C	1990	700 X 35C	2175
26" X 1.5"	2030	700 X 38C	2180
26" X 1.9"	2055	700 X 40C	2190
26" X 2.0"	2074	700 X 1-1/4"	2160
26" X 2.2"	2100		

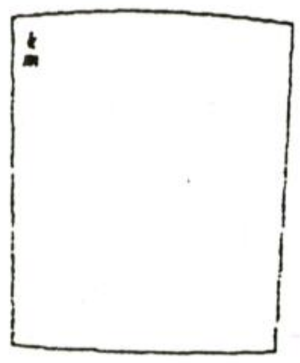
1. Measure the wheel circumference before setup. Refer to fig. 1 (25.4 mm equals 1 inch) or Table 1 to get the wheel circumference in millimeters. Confirm and note this number in the manual for later use here: _____



2. **Installing/Replacing the battery.**
   Remove the battery cover by using a narrow flat blade or similar opener as illustrated in fig. 2. Insert a new battery (3v) CR2032, position the (+) pole upward as illustrated. Place the battery properly into the case and close the cover securely. After the battery is installed speed scale and wheel size can be set.
3. **Setting Speed Scale Choose KM for Kilometers or MI for Miles.**
   After the battery is installed, all displays will be illuminated, then "KM"

alone will remain flashing on the screen as in fig. 3. To make choice, please insert computer head into main bracket. Bring magnet in contact with tip of wheel sensor. (fig. 5) Screen will flash between KM and MI. When desired choice is on screen pull magnet away from wheel sensor to lock choice and move on to next step. (See fig. 4)

fig 3



If incorrect data appears on the screen, please re-install battery again.

4. **Setting the wheel circumference (100mm-2999mm)**
   2155 is displayed and the last 5 is flashing. To change this number hold the magnet to the tip of the sensor (fig. 5) and scroll through numbers. When the desired number is present pull the magnet away. Do this procedure until all four numbers are set. The display will then enter the auto-scan mode.

fig 4



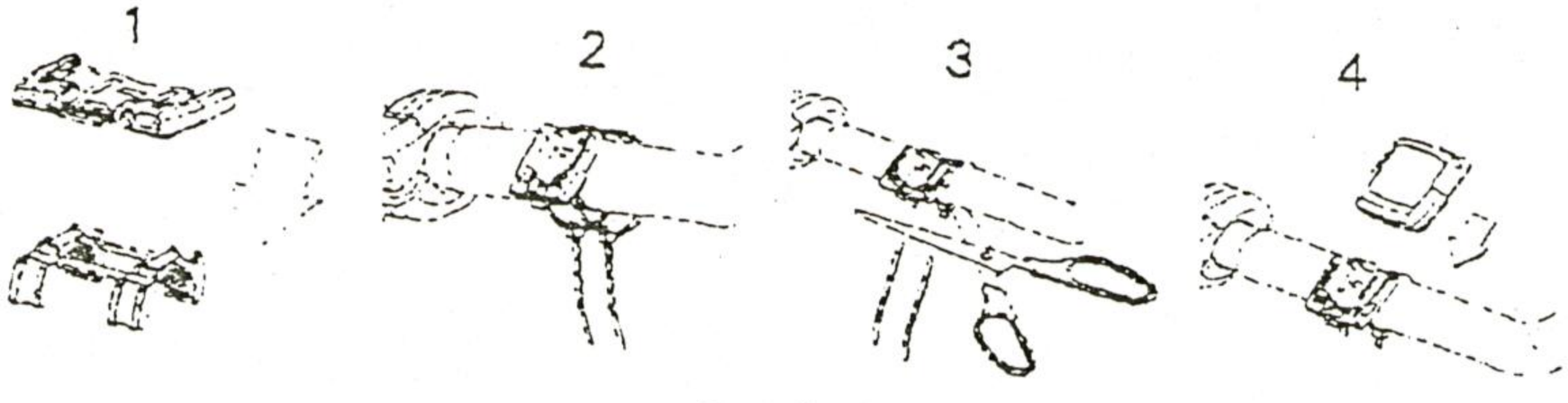
fig 5



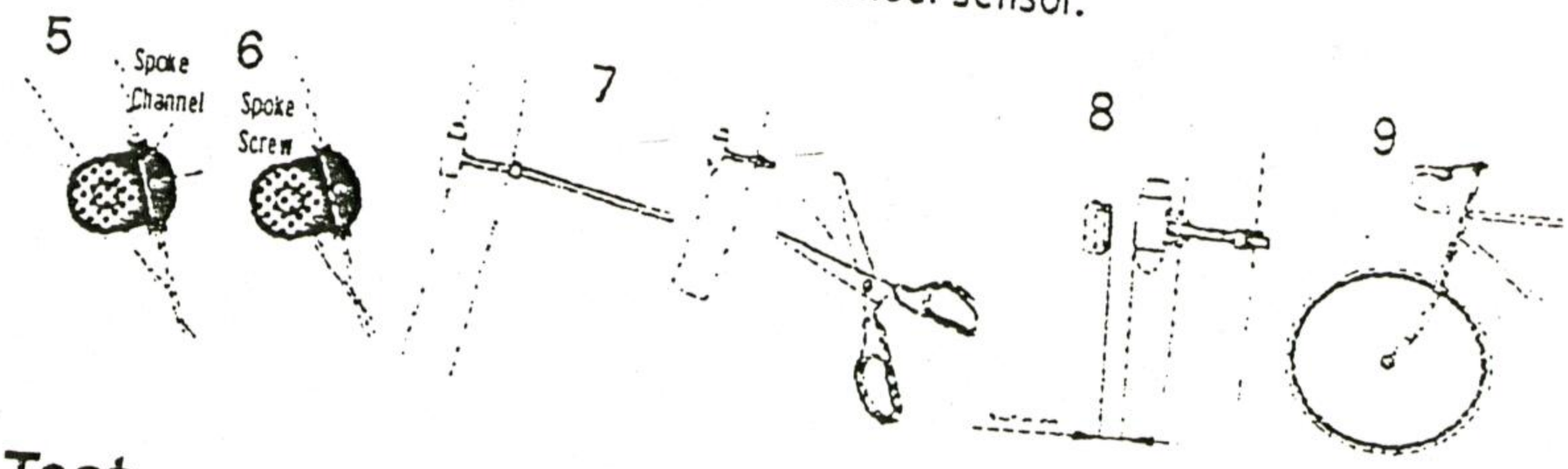
Installation

When you have completed your preparation, please follow the steps below to install. In order to install smoothly, please take the computer off the bracket temporarily.

1. Place bracket and bracket rubber pad on handlebar.
2. Place two zip ties through bracket.
3. Position bracket in desired location and remove extra zip tie.
4. With computer in bracket, adjust to the right position.



5. Loosen the spoke screw and place magnet in spoke channel.
6. Tighten spoke screw so that it cinches the magnet securely to the spoke.
7. Place the wheel sensor on the appropriate fork leg.
8. Install the zip tie through wheel sensor and pull tight.
9. Adjust the wheel sensor until it is 3-5mm from the wheel magnet. The magnet should line up with indent on wheel sensor.

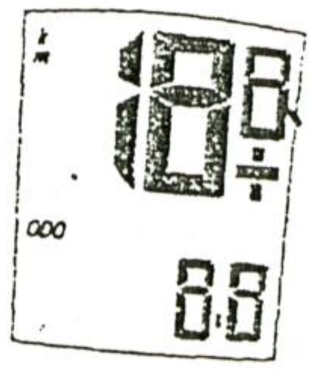


Test

Mount the computer in the bracket. Lift the front wheel off the ground and spin the wheel, checking if current speed is displayed. If not, adjust wheel magnet and wheel sensor as described in installation steps 9. Refer to the following steps for the operation of your Sensor computer.

Display Functions

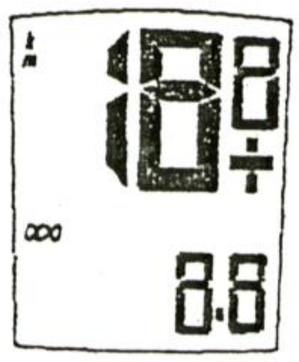
Speed	0-30km/h	31-60km/h	over 60 m/h
Minimal display unit	0.1km/h(mile/h)	0.5km/h(mile/h)	1km/h(mile/h)



Current Speed (0.0-99 kms or 62 miles)-S

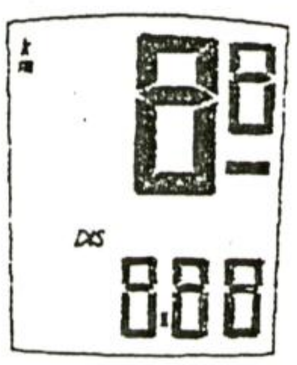
The current speed is displayed on the upper line of the display and updated every second.

Odometer (total distance) (0.0-9999 kms or 6213 miles)-ODO



The total distance is continuously measured, accumulated and displayed until next reset or the battery is changed. When 9999 kms or 6213 miles is reached the odometer returns to zero and counting begins anew.

Trip Distance (0.0-999.9 kms or 621.3 miles)-DIS



The trip distance from start to current point is displayed. Trip distance will start calculating if signal is received, and stop calculating when signal stops.

Auto Start/Stop

All functions - Current Speed(S), Odometer(ODO) and Trip Distance(DIS) will automatically start and stop when signal is received or stopped.

Auto Scan

All the functions (ODO, DIS) will automatically scan and each display mode will last 3 seconds. This function will continue until battery change/reset.

Auto Power Saving

When unit has not been used for 10 minutes (no signal received for ten minutes continuously), the display will disappear and power will be automatically saved. Start pedaling to release power saving mode and display all functions automatically (auto scan).

Auto Clear data

When unit has not been used for 6 hours (not receiving and input signal for 6 hours continuously), all data stored in memory will be erased (wheel circumference, odometer and speed scale will be kept). Once you start pedaling (receiving signals), all data will calculate from zero.

SPECIFICATIONS

Controller	4-bit 1-chip Microcomputer (Crystal Controlled Oscillator)
Display	Liquid Crystal Display (LCD)
Sensor	No Contact Magnetic Sensor
Power Supply	CR2032 x1 (3V)
Operating Temperature Range	0.0 C to 40.0 C (32.0 F to 104.0 F)
Storage Temperature Range	-20.0 C to 50.0 C (-40 F to 122.0 F)
Applicable wheel circumference	100mm-2999mm
Battery Life	Approx. 1 year

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TROUBLE SHOOTING

The following situations do not indicate malfunction of the computer. Check the following before taking unit for repair.

Trouble	Check Items	Remedy
Missed setting for speed scale or wheel circumference .		Execute "All Clear" operation.Re-install battery.
The entire liquid crystal screen is dark and unusual display is seen.	Was it left for a long time under direct sunlight?	It returns to normal state by leaving it in the shade. No adverse effect on data.
Display response is slow.	Is it at a low temperature under 32.0F (0.8C)?	It returns to normal state when temperature rises.
Incorrect data appears.		Re-insert the battery.
No Display	Has the battery in the main unit worn out?	Replace the battery with a new one. (3V/DC)
Current Speed does not appear.	Is there anything on the contact of the main unit or on the bracket?	Wipe the contact clean.
	Are the wheel sensor and magnet too far apart?	Refer to "installation fig. 8" and re-adjust correctly.
	Are the marking lines of the wheel sensor and the center of the magnet aligned?	Refer to "installation fig. 8" and re-adjust correctly.
	Is the wire broken?	Replace the bracket wire & wheel sensor with a new one.