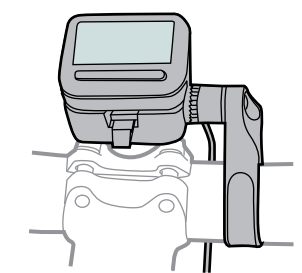
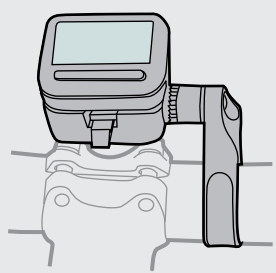




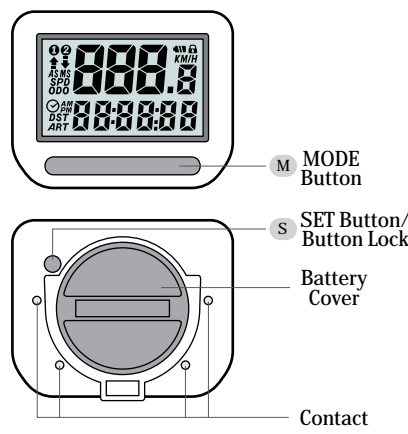
GB



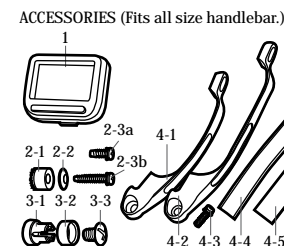
wire version
Art. no TPC-11 (standard)
TPC11-XL (extra long) for trainer



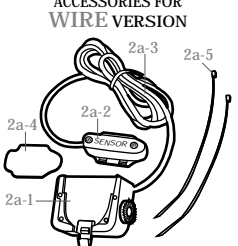
wireless version
Art. no. TPC-12



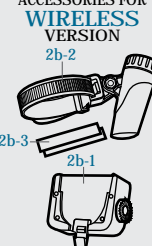
DISPLAY	FUNCTION
	Bike1/Bike2 wheel circumference setting
	SPD Current speed
	AS Average speed
	MS Maximum speed
	DST Trip Distance
	ODO Odometer
	RT Ride time
	ART Total time
	Low battery indicator
	12H/24H clock
	T Trip Time
	Speed pace indicator
	Button lock
	Unit selection



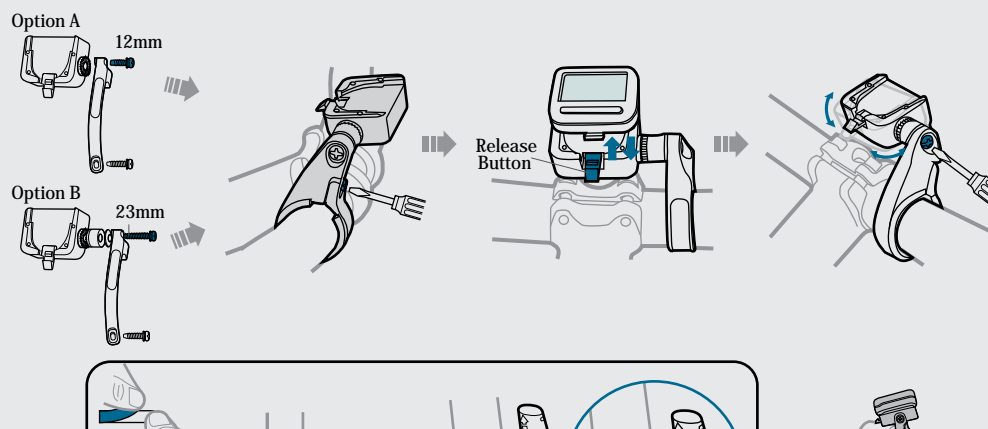
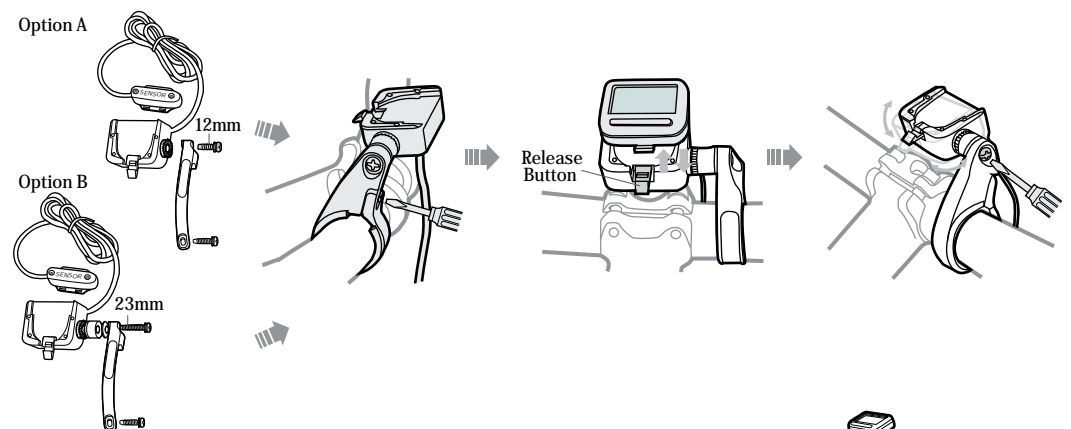
- ACCESSORIES FOR WIRE VERSION
1. Computer Body
 2. Computer Bracket set A
 - 2-1 Spacer
 - 2-2 Washer
 - 2-3a M4 x 12mm Bolt
 - 2-3b M4 x 23mm Bolt
 - 2a-1 Computer Bracket
 - 2a-2 Sensor
 - 2a-3 Sensor Cable
 - Standard: 83cm
 - Extra long: 170cm
 - 2a-4 Sensor Rubber Pad



- ACCESSORIES FOR WIRELESS VERSION
1. Computer Body
 2. Computer Bracket set B
 - 2-1 Spacer
 - 2-2 Washer
 - 2-3a M4 x 12mm Bolt
 - 2-3b M4 x 23mm Bolt
 - 2b-1 Computer Bracket
 - 2b-2 Sensor (Transmitter) with Zip Belt
 - 2b-3 Sensor Rubber Pad



- ACCESSORIES FOR WIRELESS VERSION
3. Wheel Magnet Set
 - 3-1 Wheel Magnet
 - 3-2 Magnet Ring
 - 3-3 Magnet Screw
 - 2-3a M4 x 12mm Bolt
 - 2-3b M4 x 23mm Bolt
 - 4-1 Bracket (26.0-22.2)
 - 4-2 Bracket (31.8-28.6)
 - 4-3 Handbar Bracket Bolt
 - 4-4 Rubber Pad (Thin)
 - 4-5 Rubber Pad (Thick)

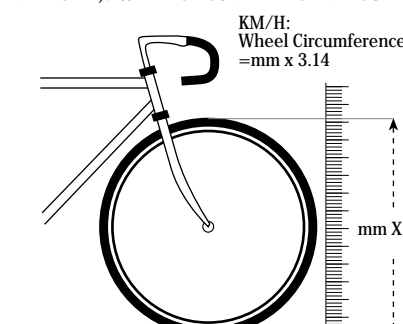


DETERMINE WHEEL CIRCUMFERENCE FIRST

METHOD A). WHEEL CIRCUMFERENCE REFERENCE TABLE

Tire Size	Designation	Wheel Circumference	Tire Size	Designation	Wheel Circumference
47-305	16 x 1.75 x 2	1217	32-630	27x1 1/4	2199
47-406	20 x 1.75 x 2	1590	28-630	27x1 1/4 Fifty	2174
37-540	24x1 3/8A	1948	40-622	28x1.5	2224
47-507	24x1.75x2	1907	40-622	28x1.75	2268
23-571	26x1	1973	40-635	28x1 1/2	2265
40-559	26x1.5	2026	37-622	28x1 1/8x1 5/8	2205
44-559	26x1.6	2051	18-622	700x18c	2102
47-559	26x1.75x2	2070	20-622	700x20c	2114
50-559	26x1.9	2089	23-622	700x23c	2133
54-559	26x2.00	2114	25-622	700x25c	2146
57-559	26x2.215	2133	28-622	700x28c	2149
57-590	26x1 3/8	2105	32-622	700x32c	2174
57-584	26x1 3/8x1 1/2	2086	35-622	700x35c	2205
			40-622	700x40c	2224

METHOD B). WHEEL CIRCUMFERENCE MEASUREMENT



WHEEL CIRCUMFERENCE OF MY BIKES

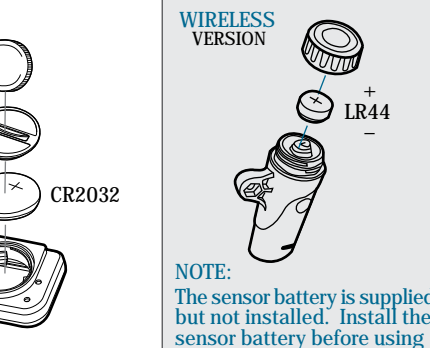
BIKE 1:

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BIKE 2:

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CHANGING BATTERIES



SPECIFICATIONS

DISPLAY	FUNCTION	SHOWN ON SCREEN	READ ON SCREEN	SPECIFICATIONS	INCREMENTS	ACCURACY
	Bike1/Bike2 wheel circumference setting		BIKE1: 2265mm, BIKE2: 2050mm	0~3999	0.1 mm	
	SPD Current speed		21.9 KM/H	99.9 KM/H, 99.9 M/H	0.1 KM/H or M/H	±1 %
	AS Average speed		21.3 KM/H	99.9 KM/H, 99.9 M/H	0.1 KM/H or M/H	±0.1 %
	MS Maximum speed		21.9 KM/H	99.9 KM/H, 99.9 M/H	0.1 KM/H or M/H	±0.1 %
	DST Trip Distance		0.79 KM	0.0~999.99 KM or M	0.1 KM or M	±0.1 %
	ODO Odometer		0 KM	0.0~999.99 KM or M	0.1 KM or M	±0.1 %
	RT Ride time		0H1M58S	0H1M58S over 99:59:59	1 Second	±0.1 %
	ART Total time		3H5M	0H1M58S over 99:59:59	1 Minute	±0.1 %
	Low battery indicator		low battery	3V		
	12H/24H clock		12H/24H	1H1M547S AM (12H)	1 Second	±0.01 %
	T Trip Time		0H3M42S	0H3M42S	1 Second	±0.01 %
	Speed pace indicator		SPD > AVG			
	Button lock		lock			

Wheel circumference default: BIKE1-2155mm, BIKE2-2050mm

WIRE VERSION

Sensor:

Sensor Cable:

Wheel Circumference Setting:

Operating Temperature:

Storage Temperature:

Computer Body Battery Power:

Dimensions/Weight:

WIRELESS VERSION

Sensor with Transmitter:

Wireless Sensing Distance:

Cross-Talking Interference:

Wheel Circumference Setting:

Operating Temperature:

Storage Temperature:

Main Unit Battery Power:

Transmitter Battery Power:

Dimensions/ Weight:

No Contact Magnetic Sensor.
TPC-6: 83cm(Standard), TPC6-XL: 170cm (Extra Long)
0mm ~ 3999mm (1mm increment)
0°C ~ 60°C (32°F ~ 140°F)
-20°C ~ 80°C (4°F ~ 176°F)
3V battery x 1 (CR2032), Battery life, approximately two years.
(Based on an average of 1.5 hours use per day)
Computer Body: 40 x 32 x 16 mm / 17g

No Contact Magnet sensor with Wireless Transmitter.
45cm (18") between the sensor(transmitter) and the computer body.
Within 40 cm (15.8"), no interference by 2 bicycles carrying similar cycle computers, even when ridden side by side.
0mm ~ 3999mm (1mm increment)
0°C ~ 60°C (32°F ~ 140°F)
-20°C ~ 80°C (4°F ~ 176°F)
3V battery x 1 (CR2032), Battery life, approximately 1.3 years.
(Based on an average of 1.5 hours use per day)
1.5V battery x 1 (typical LR44), 15,000 miles riding distance, or approximately two years. (Battery included with sensor may have shorter battery life due to initial shipping and storage time.)
Computer Body: 40 x 32 x 16 mm / 17g
Sensor (Transmitter): 20.0 mm x 48.0 mm / 13g

TROUBLE SHOOTING

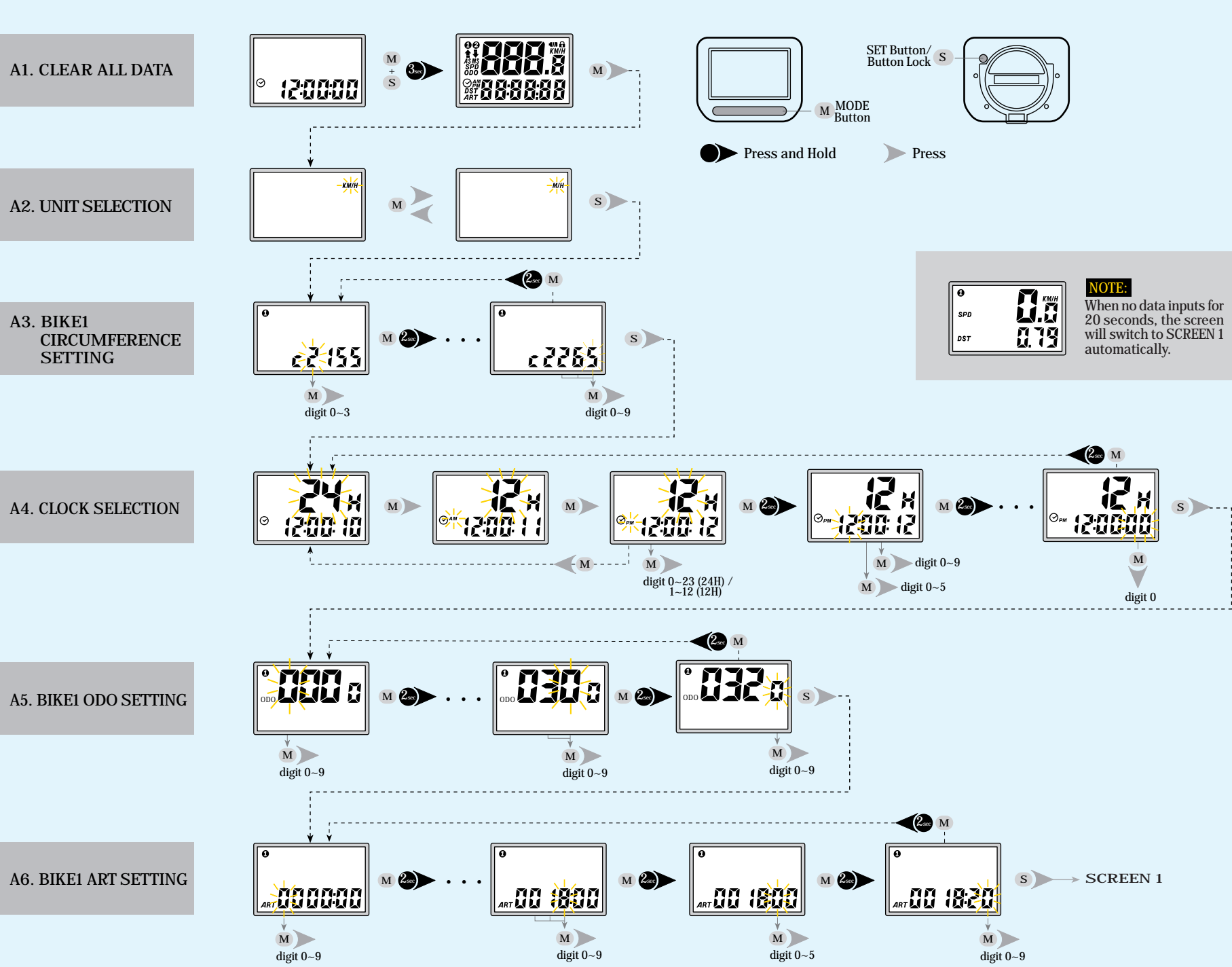
Check the following before bringing unit in for repair.

PROBLEM	CHECK ITEMS	REMEDY
No display	1. Is the battery exhausted? 2. Is the battery installed correctly?	1. Replace the battery. 2. Make sure that the positive (+) pole of the battery is facing the battery cap.
No current speed or incorrect data	1. Is it in setup mode? 2. Are the contacts between the computer body and the bracket poor? 3. Are the relative positions and gap between sensor and magnet correct? 4. Is the wheel circumference correct?	1. Refer to the data setting procedure and complete the adjustment. 2. Clean the contacts. 3. Refer to INSTALLATION and re-adjust correctly. 4. Refer to CIRCUMFERENCE SETTING and enter correct value.
Irregular display		Refer to "Clear All Data setting" and initiate the computer again.
LCD is black	Did you leave the main unit in direct sunlight when not riding the bicycle for a long while?	Place the computer body in the shade to return to normal state.
Display is slow	Is the temperature below 0°C (32°F)?	The unit will return to normal state when the temperature rises.

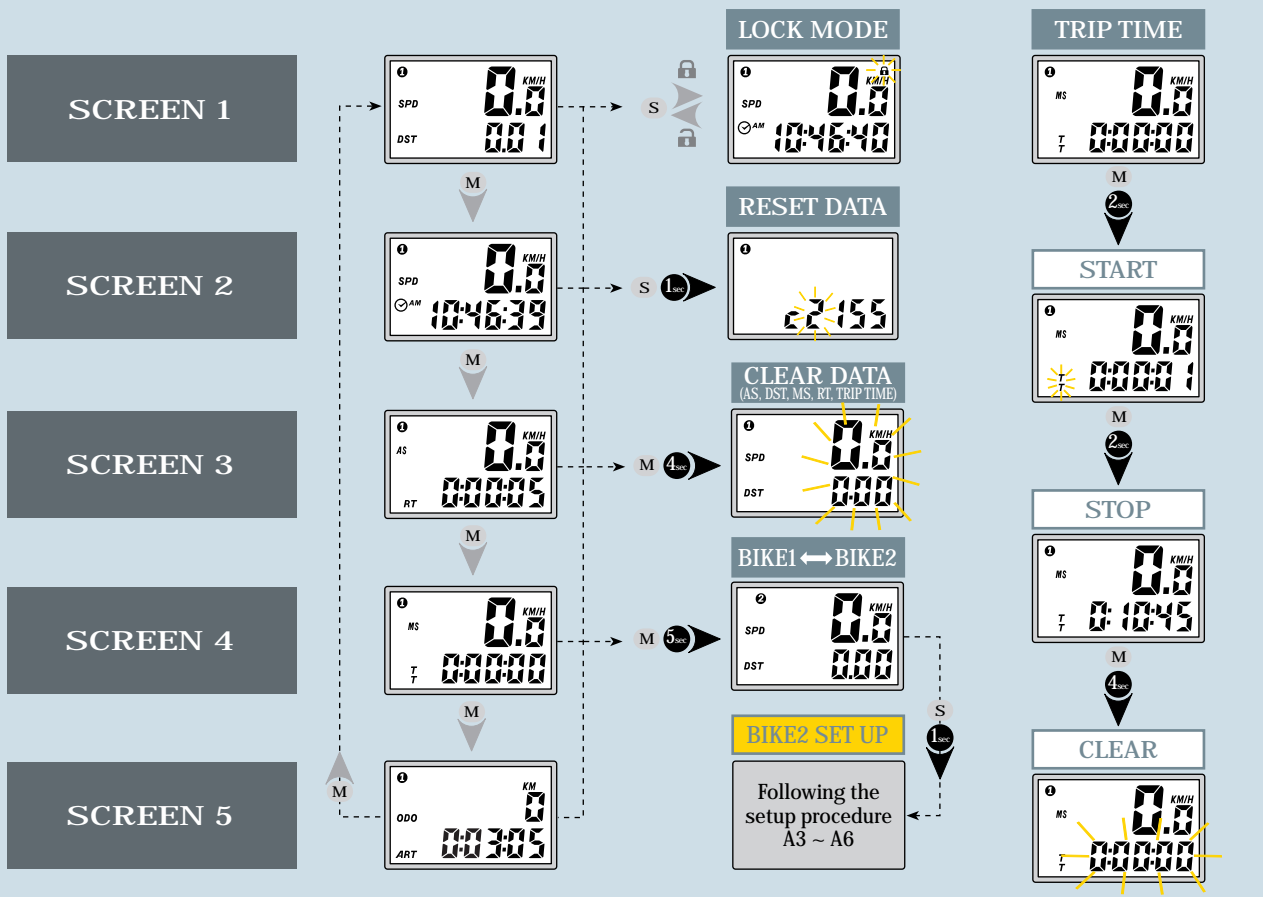
PRECAUTIONS

1. The TOPEAK PANORAM cycle computer can be used in the rain but should not be submerged in water.
2. Do not leave the main unit exposed to direct sunlight when not riding the bicycle.
3. Do not disassemble the computer body or its accessories.
4. Check relative positions and gap between sensor and magnet periodically.
5. Clean the bracket contacts and the button of the computer body periodically.
6. Do not use thinner, alcohol, or benzine to clean the computer body or its accessories.
7. Remember to pay attention to the road while riding.

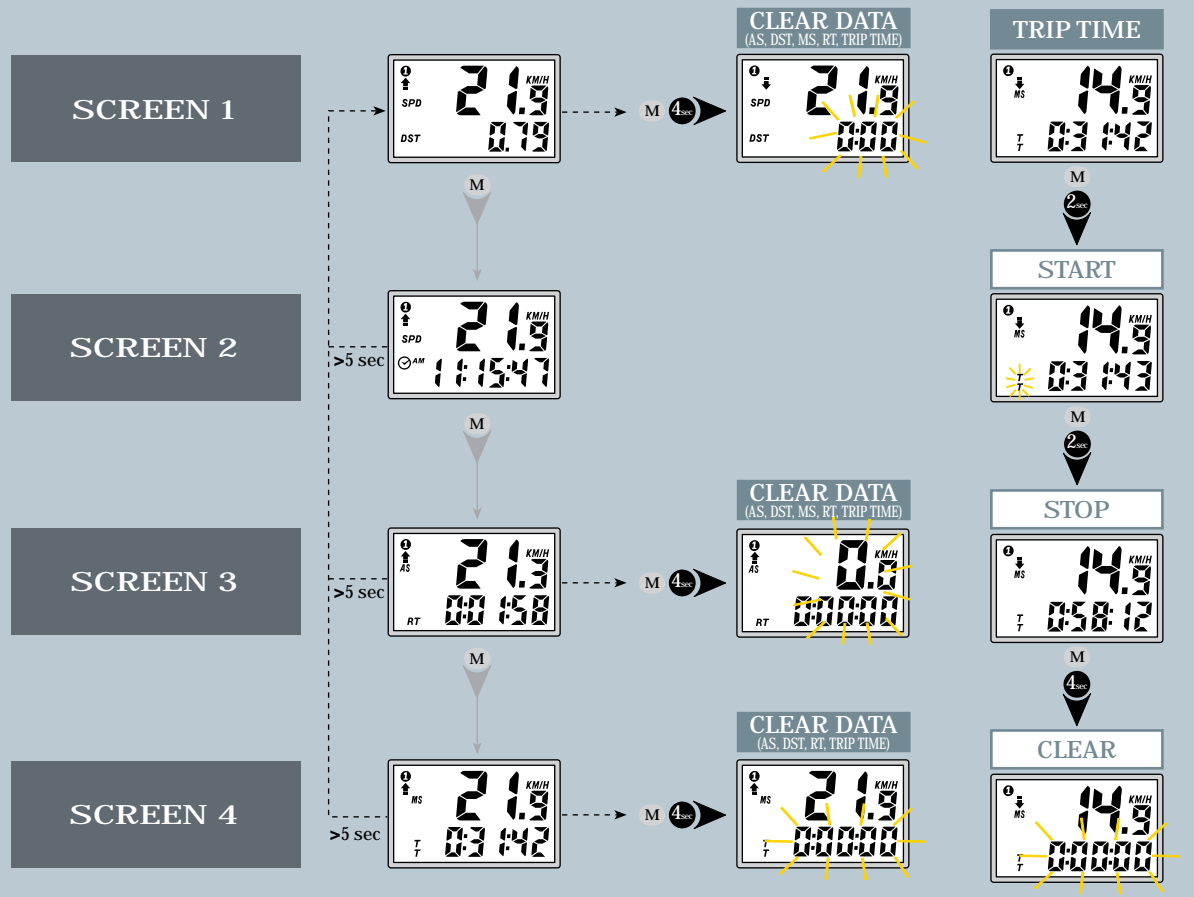
A. SETUP



B. NORMAL DATA SETTING (NON-RIDING STATUS)

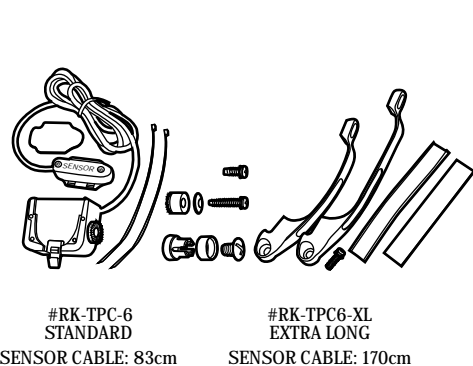


C. NORMAL DATA SETTING (RIDING STATUS)

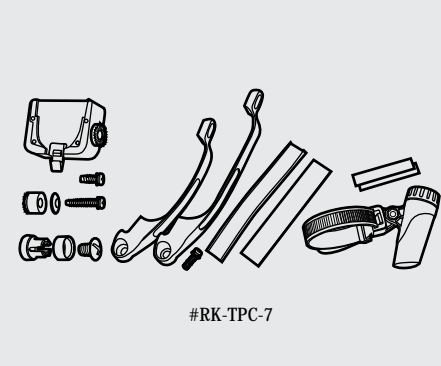


REBUILD KIT

WIRE



WIRELESS



NOTE:

1. CLEAR ALL DATA SETTING will clear all stored data.
2. CLEAR ALL DATA SETTING is required during FIRST SETUP or BATTERY CHANGE.
3. KM/H or M/H selection is only available from CLEAR ALL DATA SETTING.
4. Before changing battery, write down stored data ODO and ART. All of data of Bike1 & Bike 2 will be cleared when replacing battery, however, this computer will allow you to re-enter your stored data.

LIMITED WARRANTY

2-year Warranty: All electronic and mechanical components against manufacturer defects only. Batteries are not covered under any implied warranty.

Warranty Claim Requirements
To obtain warranty service, you must have your original sales receipt. Items returned without a sales receipt will assume that the warranty begins on the date of manufacture. All warranties will be void if PANORAM V12 Mini cycle computer is damaged due to user crash, abuse, system alteration, modification, or used in any way not intended as described in this operating manual.

*The specifications and design are subject to change without notice.

Topeak products are available only from professional bicycle shops. Please contact your nearest Topeak authorized bicycle dealer for any questions. For customers in the USA, call: 1-800-250-3088 Website: www.topeak.com

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