

# PANORAM V12 (WIRE/WIRELESS VERSION)

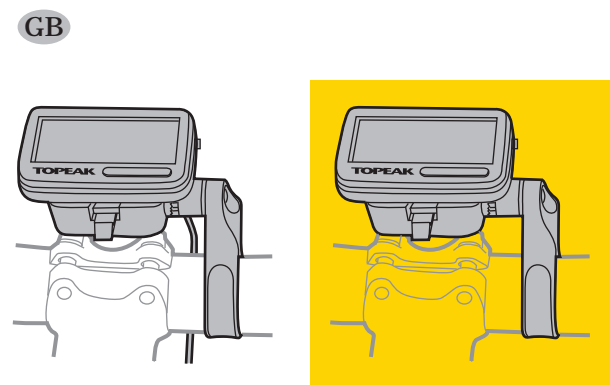
## 12 function cycle computer



### DETAILED PARTS DESCRIPTION

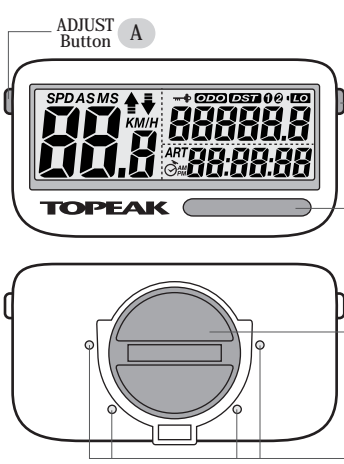
### INSTALLATION FOR WIRE VERSION

### INSTALLATION FOR WIRELESS VERSION

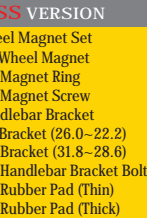
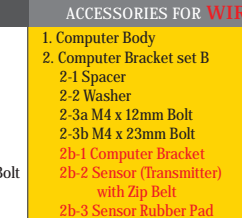
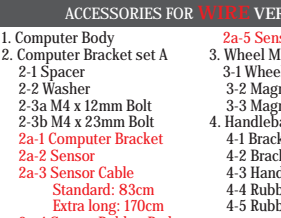
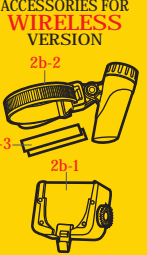
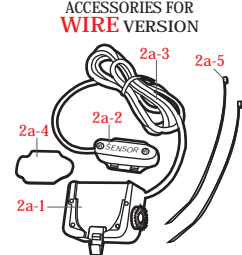
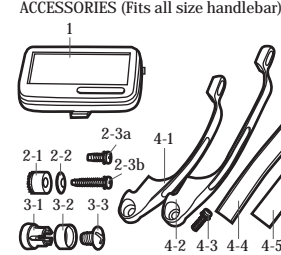


wire version  
Art. no TPC-8 (standard)  
TPC8-XL (extra long) for trainer

wireless version  
Art. no. TPC-9



| DISPLAY | FUNCTION                                |
|---------|---|
|         | Bike1/Bike2 wheel circumference setting |
|         | SPD Current speed                       |
|         | AS Average speed                        |
|         | MS Maximum speed                        |
|         | DST Distance                            |
|         | ODO Accumulated distance                |
|         | RT Riding time                          |
|         | ART Accumulated riding time             |
|         | LO Low battery indicator                |
|         | 12H/24H clock                           |
|         | Tri Time (Stopwatch)                    |
|         | Speed pace indicator                    |
|         | Button lock                             |
|         | Unit selection                          |

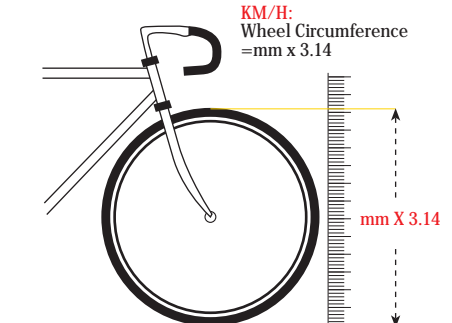


### DETERMINE WHEEL CIRCUMFERENCE FIRST

METHOD A). WHEEL CIRCUMFERENCE REFERENCE TABLE

| Tire Size | Designation    | Wheel Circumference | Tire Size | Designation    | Wheel Circumference |
|-----------|----------------|---------------------|-----------|----------------|---------------------|
| 47-305    | 16 x1.75 x2    | 1217                | 32-630    | 27x1 1/4       | 2199                |
| 47-406    | 20 x1.75x2     | 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      | 2089                | 20-622    | 700x20c        | 2114                |
| 50-559    | 26x1.9         | 2114                | 23-622    | 700x23c        | 2133                |
| 54-559    | 26x2.00        | 2144                | 25-622    | 700x25c        | 2146                |
| 57-559    | 26x2.25        | 2133                | 28-622    | 700x28c        | 2149                |
| 37-590    | 26x1 3/8       | 2105                | 35-622    | 700x35c        | 2205                |
| 37-584    | 26x1 3/8x1 1/2 | 2086                | 40-622    | 700x40c        | 2224                |

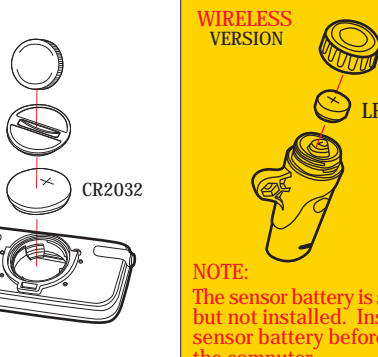
METHOD B). WHEEL CIRCUMFERENCE MEASUREMENT



### WHEEL CIRCUMFERENCE OF MY BIKES

|         |  |  |  |
|---------|--|--|--|
| BIKE 1: |  |  |  |
| BIKE 2: |  |  |  |

### CHANGING BATTERIES



### SPECIFICATIONS

| DISPLAY | FUNCTION                                | SHOWN ON SCREEN | READ ON SCREEN    | SPECIFICATIONS                                   | INCREMENTS      | ACCURACY |
|---------|---|-----------------|-------------------|--|-----------------|----------|
|         | Bike1/Bike2 wheel circumference setting | 2265            | 2050              | BIKE1: 2265mm, BIKE2: 2050mm                     | 0.1mm           |          |
|         | SPD Current speed                       | 26.7            | 30.0              | 99.9 KM/H, 99.9 M/H                              | 0.1 KM/H or M/H | ±1 %     |
|         | AS Average speed                        | 30.0            | 31.1              | 99.9 KM/H, 99.9 M/H                              | 0.1 KM/H or M/H | ±0.1 %   |
|         | MS Maximum speed                        | 31.1            | 32.4              | 99.9 KM/H, 99.9 M/H                              | 0.1 KM/H or M/H | ±0.1 %   |
|         | DST Distance                            | 24.9            | 3224.1            | 0.0-999.9 KM or M                                | 0.1 KM or M     | ±0.1 %   |
|         | ODO Accumulated distance                | 3224.1          | 3224.1            | 0.0-9999.9 KM or M                               | 0.1 KM or M     | ±0.1 %   |
|         | RT Riding time                          | 00:00:13        | 157:30            | 13S  | 1 Second        | ±0.1 %   |
|         | ART Accumulated riding time             | 157:30          | 157:30            | 0:00:00-99:59:59                                 | 1 Minute        | ±0.1 %   |
|         | LO Low battery indicator                | LO              | low battery       | 3V   |                 |          |
|         | 12H/24H clock                           | 12:00:52        | 12H0M52S PM (12H) | 1:00:00-12:59:59 (12H)<br>0:00:00-23:59:59 (24H) | 1 Second        | ±0.003 % |
|         | Tri Time (Stopwatch)                    | 00:18:53        | 0H18M53S          | 0:00:00-99(H):59(M):59(S)                        | 1 Second        | ±0.003 % |
|         | Speed pace indicator                    | SPD > AVG       | SPD < AVG         |  |                 |          |
|         | Button lock                             | lock            | lock              |  |                 |          |

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

#### WIRE VERSION

Sensor: Sensor Cable: TPC-6: 83cm(Standard), TPC6-XL: 170cm (Extra Long)  
Wheel Circumference Setting: 0mm - 3999mm (1mm increment)  
Operating Temperature: 0°C - 60°C (32°F - 140°F)  
Storage Temperature: -20°C - 80°C (-4°F - 176°F)  
Computer Body Battery Power: 3V battery x 1 (CR2032), Battery life, approximately two years.  
(Based on an average of 1.5 hours use per day)  
Computer Body: 66 x 36 x 18mm/ 31.5g

#### WIRELESS VERSION

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

### TROUBLE SHOOTING

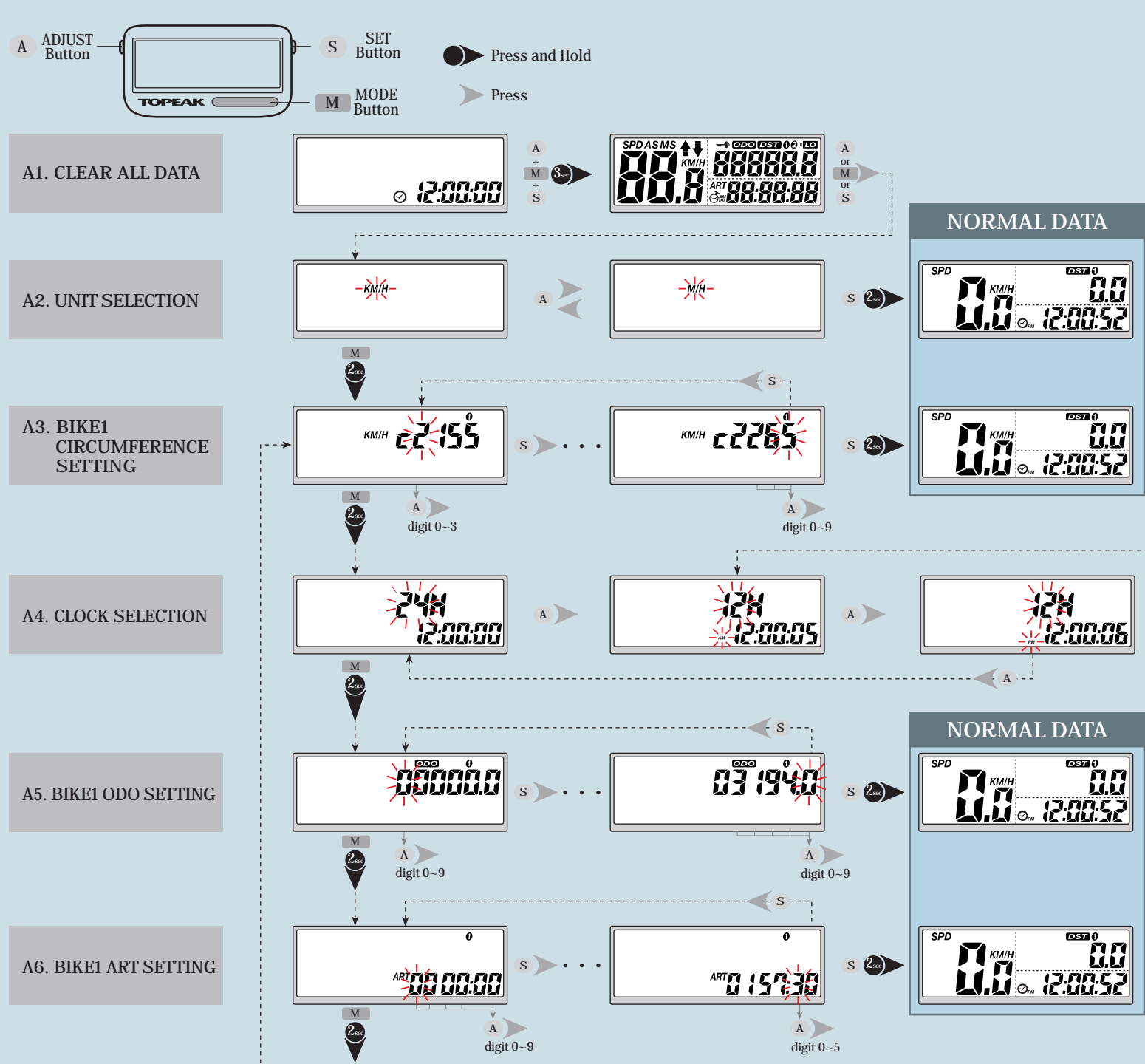
Check the following before bringing unit in for repair.

| PROBLEM                            | CHECK ITEMS  | REMEDY   |
|------------------------------------|--|--|
| No display                         | 1. Is the battery exhausted?<br>2. Is the battery installed correctly?   | 1. Replace the battery.<br>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?<br>2. Are the contacts between the computer body and the bracket poor?<br>3. Are the relative positions and gap between sensor and magnet correct?<br>4. Is the wheel circumference correct? | 1. Refer to the data setting procedure and complete the adjustment.<br>2. Clean the contacts.<br>3. Refer to INSTALLATION and re-adjust correctly.<br>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.   |

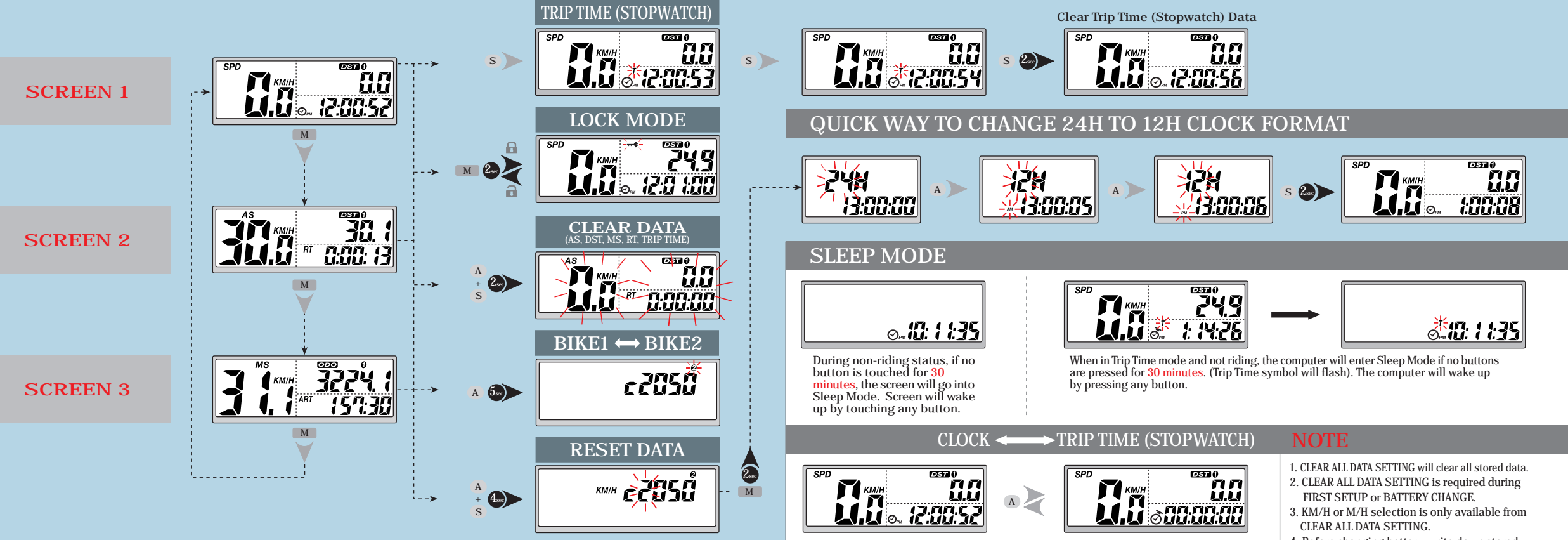
### PRECAUTIONS

1. The TOPEAK PANORAM cycle computer can be used in the rain but should not be used underwater.
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.

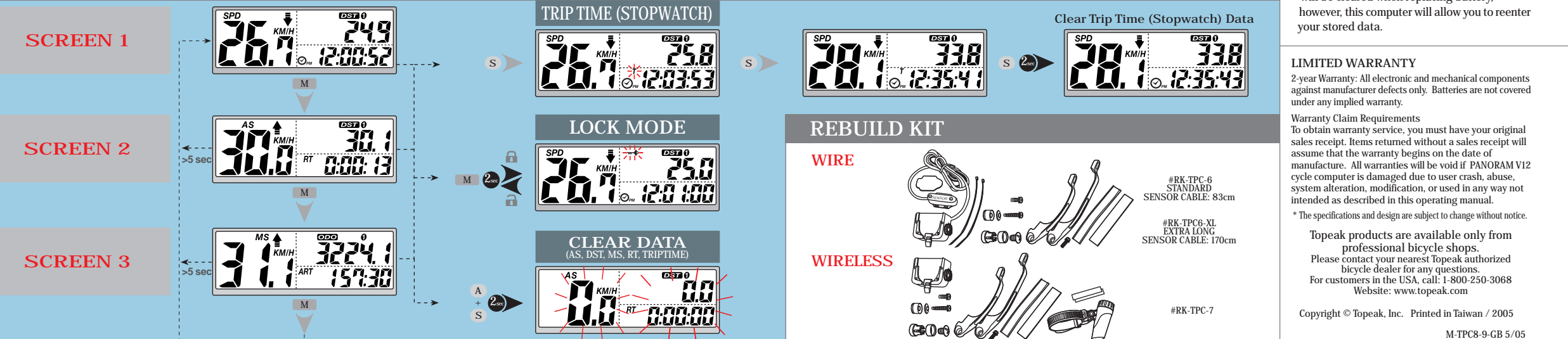
### A. SETUP



### B. NORMAL DATA SETTING (NON-RIDING STATUS)



### C. NORMAL DATA SETTING (RIDING STATUS)



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 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.

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: 1-800-250-3068 Website: www.topeak.com

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