e-DELTA
Supplemental Owner's Manual

Find us online at SunSeeker.Bike

Revised 11/2020

Contents

Introduction

CONGRATULATIONS!

Congratulations and welcome to the Sun Seeker Recumbent family! You have selected one of the most comfortable and advanced recumbents on the market. Please read this manual before riding your Sun Seeker Recumbent. In this manual you will find that we cover the basics for setting up and understanding your new recumbent.

IMPORTANT:

This manual is only a supplement to the main Recumbent Bicycle/Tricycle Owner's Manual.
Please read it before you take the first ride on your new recumbent bicycle/tricycle, and keep it for reference.

NOTE:

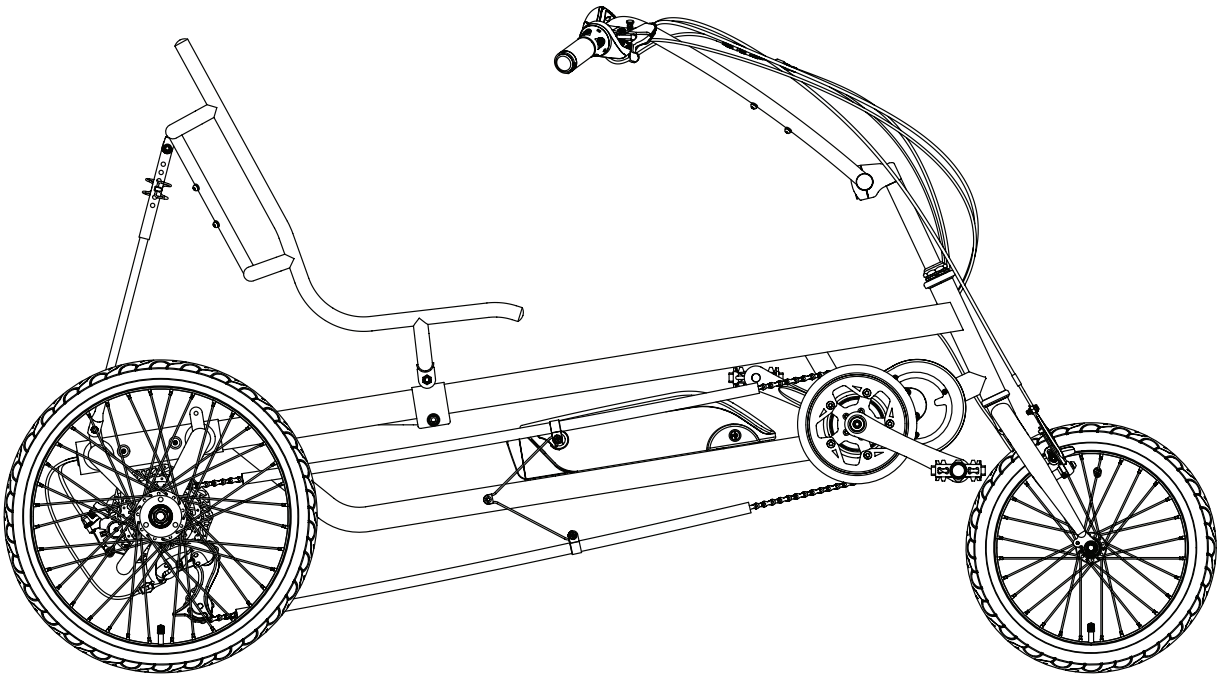
This manual is not intended as a comprehensive use, service, repair, or maintenance manual. Please see your dealer for all service, repairs or maintenance. Your dealer may also be able to refer you to classes, clinics or books on bicycle use, service, repair, or maintenance.

e-DELTA-SX Specifications

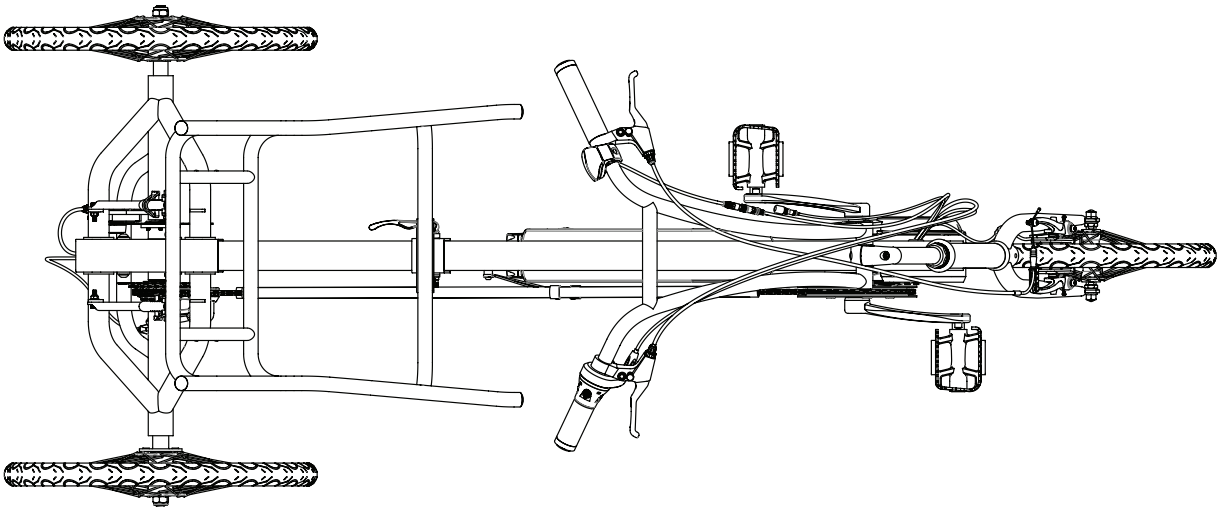
Model:	**e-DELTA-SX**
Style:	Delta Electric Assist Trike
Frame:	Hi-Tensile Steel
Fork:	Hi-Tensile Steel
Handlebar:	Steel
Steering System:	Over Seat
Seat:	1-piece – Padded Base w/Steel Frame & Full Mesh
Wheelbase:	55" (140cm)
Overall Length:	73" (186cm)
Width:	31" (78.7cm)
Bottom Bracket Height:	15" (38cm)
Seat Height:	22-24" (56-61cm)
Weight:	77 lbs.
X-Seam:	28-44" (72-113cm)
Weight Limit:	300 lbs.
Headset:	Threaded Steel
Grips:	EVA Foam w/Lock Ring
Pedals:	Toe Clip Compatible
Crankset:	Single Alloy 170mm 42T
Bottom Bracket:	Integrated w/Motor
Chain:	KMC 1/2 x 3/32"
Rear Derailleur:	Sunrace
Freewheel:	13-32T 7-speed
Shifter Levers:	Sunrace
Motor:	TranzX Mid Drive Motor 36V/250W
Battery:	TranzX 36V/13.4Ah, w/BMS
Battery Carrier:	DownTube Battery Type
Charger:	DC 36V, O/P: DC42V/2A
Display:	TranzX LCD w/Bluetooth
Brake Levers:	Promax Alloy Locking Linear Pull
Brake Caliper Front/Rear:	Promax Linear Pull/Promax Mechanical Disc
Front Hub:	Alloy 13Gx28H
Rear Hub:	Alloy 13Gx36H
Rims / Spokes:	Alloy Single Wall / 13G Steel
Tires / Size:	Kenda KWEST 16"/20"x1.50
Water Bottle Cage Mount:	2-Handlebar / 2-Seat Back
Note: Specifications subject to change without notice.	

e-DELTA Reference Views

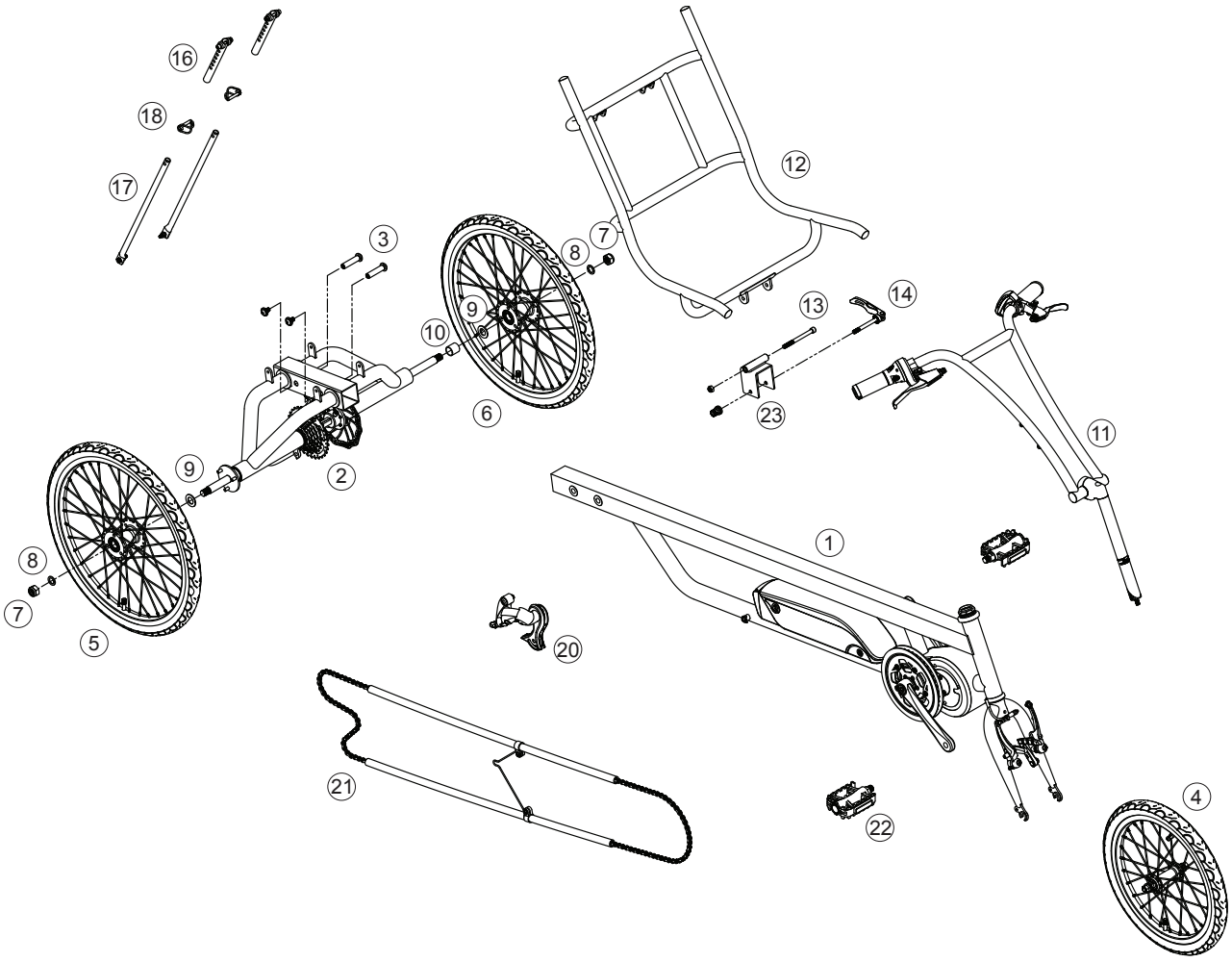
Side View



Top View



e-Delta Assembly Reference

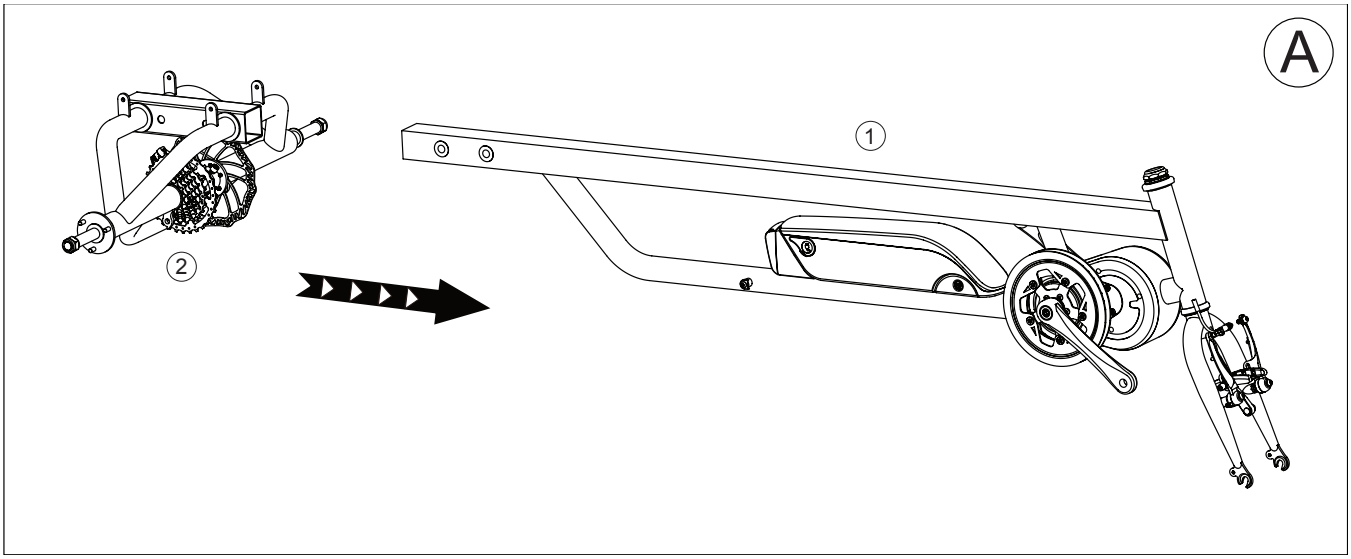


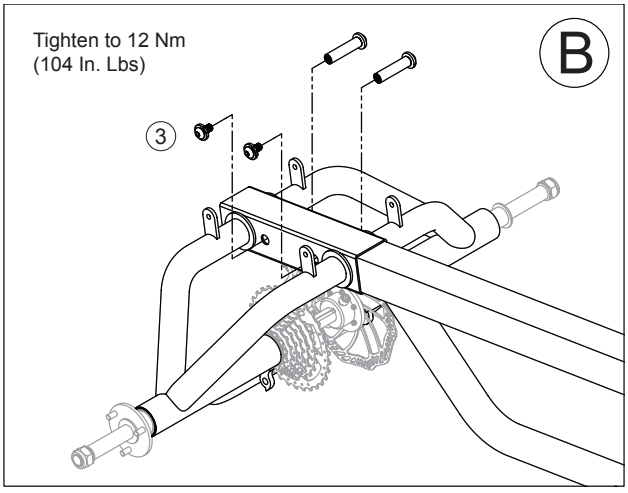
e-DELTA Parts List		
ITEM	DESCRIPTION	QTY
1	Main Frame & Fork Assembly	1
2	Rear Unit Assembly	1
3	Rear Unit Bolts	2 Set
4	Front Wheel Assembly	1
5	Right Rear Wheel Assembly	1
6	Left Rear Wheel Assembly	1
7	Rear Wheel Nylock Retaining Nut (M14)	2
8	Rear Wheel Washer Outer (M15x2mm)	2
9	Rear Wheel Washer (M17x2mm)	2
10	Rear Wheel Spacer (Alloy 22.15mm)	1
11	Handlebar & Stem Assembly	1
12	Seat Frame Assembly	1
13	Bolt for Seat Frame (M8x90mm)	1
14	Quick Release Seat Pin	1
15	Seat Mesh (Not Pictured Above)	1
16	Upper Seat Strut (16.0x150mm)	2
17	Lower Seat Strut (12.7x380mm)	2
18	Seat Strut Pin	2
19	Seat Strut Hardware Set with Half-Moon Nylon Washers (Not Pictured Above)	1 Set
20	Rear Derailleur	1
21	Chain & Chain Tube Assembly	1
22	Pedals (9/16")	1 Pair
23	Seat Mount Bracket	1

Assembly Guide

Frame & Rear Unit Installation

1. Install #2 Rear Unit Assembly onto #1 Main frame using #3 Rear Unit Bolts. See Figure A.
2. Tighten #3 Rear Unit Bolts. See Figure B.

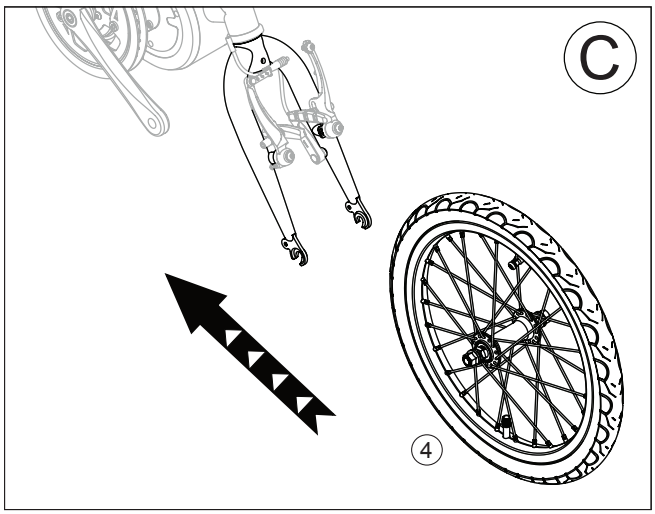




Assembly Guide

Front Wheel Installation

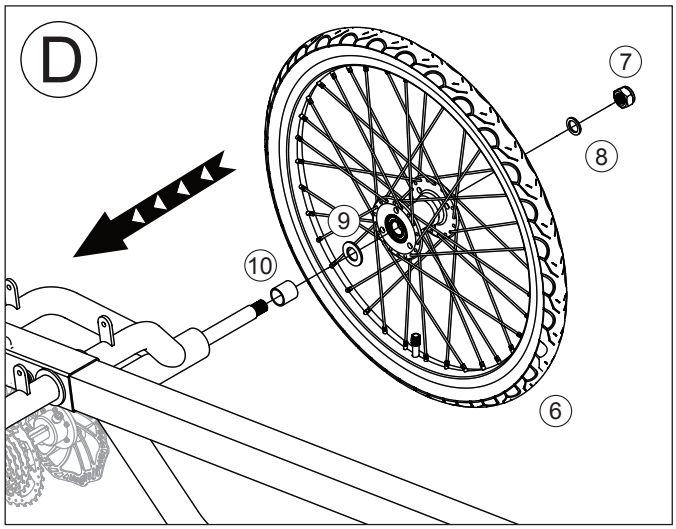
1. Insert #4 Front Wheel Assembly into the fork dropouts. See Figure C.

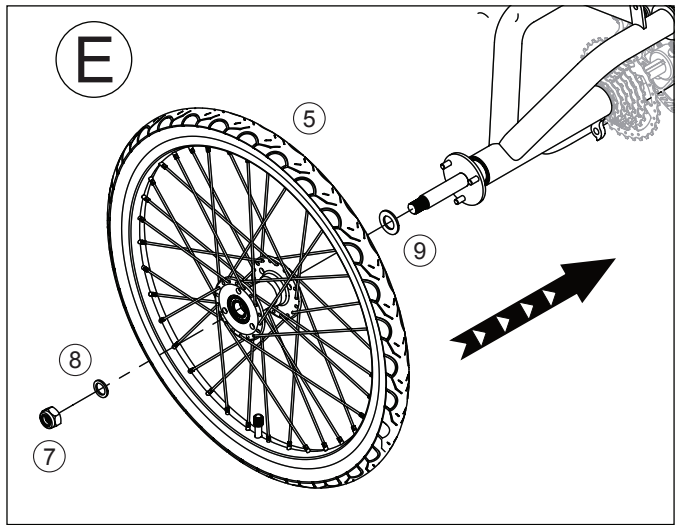


Rear Wheel Installation

1. Assemble #10 Rear Wheel Spacer, #9 Rear Wheel Washer, #6 Rear Wheel Assembly onto left side (non-drive side) rear axle, using #8 Rear Wheel Outer Washer and #7 Rear Wheel Nyloc Retaining Nut and tighten. See Figure D.
2. Assemble #9 Rear Wheel Washer, #5 Rear Wheel Assembly onto right side (drive side) rear axle, using #8 Rear Wheel Outer Washer and #7 Rear Wheel Nyloc Retaining Nut and tighten. See Figure E.

NOTE: Do not overtighten the #7 Rear Wheel Nyloc Retaining Nut on the LEFT side (non-drive side). See Figure D. The Nut should be tightened then backed off 1/2 turn to leave approximately 1 to 2mm of side play.

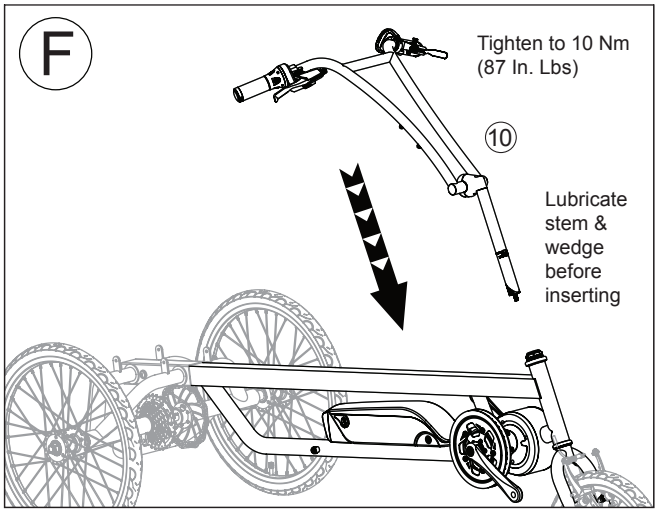




Assembly Guide

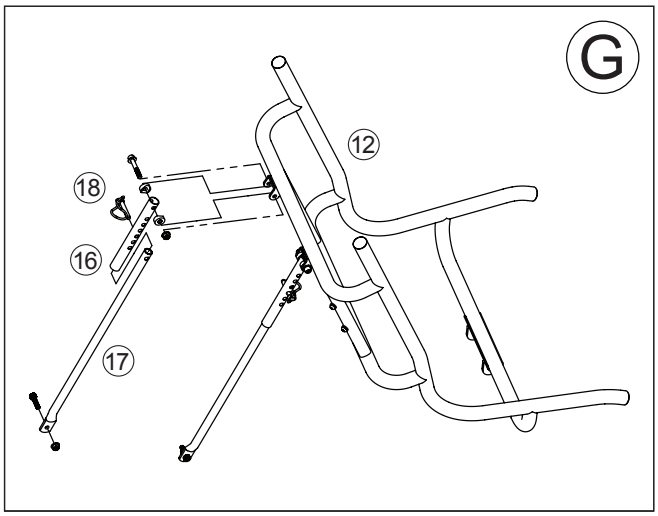
Handlebar & Stem Installation

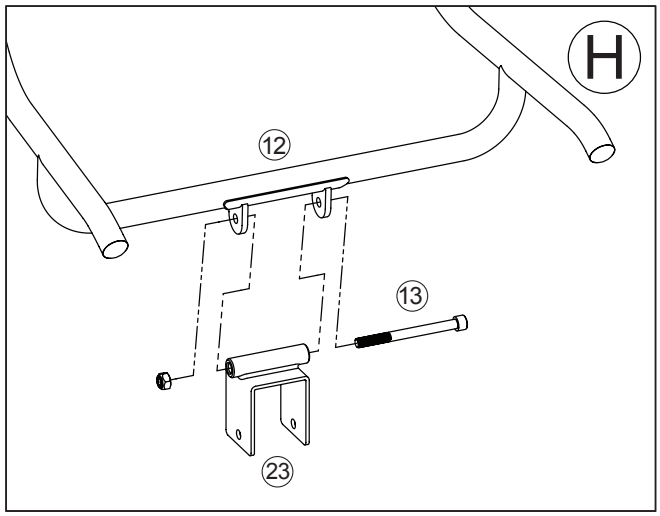
1. Install #7 Handlebar and Stem Assembly into fork. See Figure F.



Seat Frame Assembly and Strut Installation

1. Install 2 #16 Upper Seat Struts and 1/2 moon nylon washers to #12 Seat Frame tabs with the provided hardware. See Figure G.
2. Insert 2 #17 Lower Seat Struts into #16 Upper Seat Struts and use 2 #18 Seat Strut Pins to secure the struts.
3. Install #23 Seat Mount Bracket using #13 M8x90mm Bolt through #12 Seat Frame tabs and secure with nut provided. See Figure H.

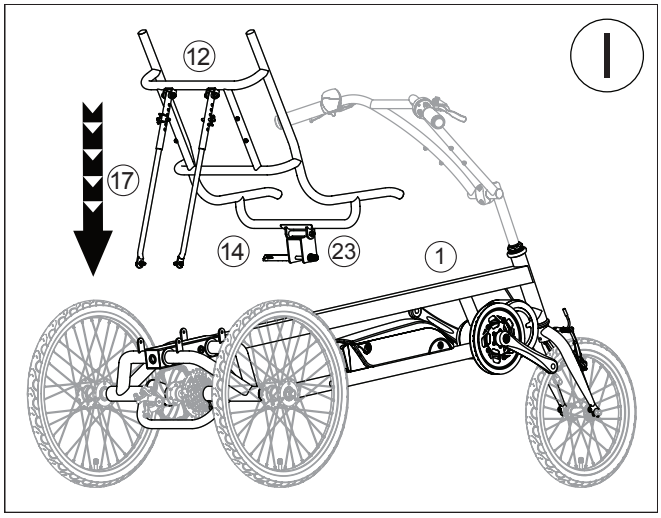




Assembly Guide

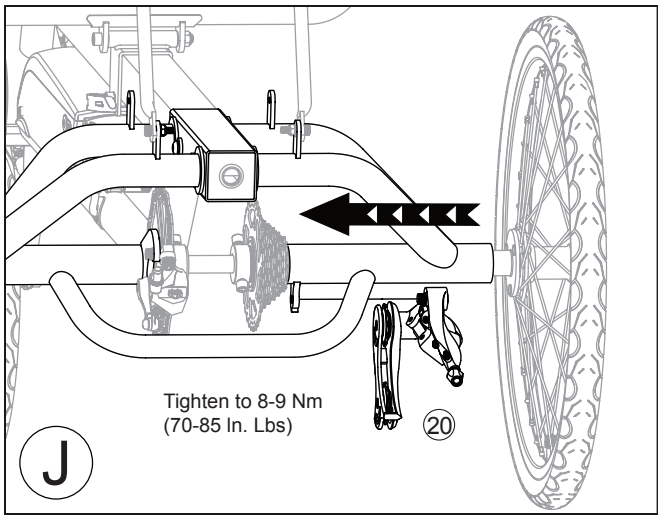
Seat Frame Assembly and Strut Installation (continued)

4. Install #23 Seat Mount Bracket onto #1 Main Frame and secure with #14 Quick Release Seat Pin. See Figure I.
5. Install 2 #16 Lower Seat Struts onto the rear frame mount tabs on the #2 Rear Unit Assembly and secure with the provided hardware.



Rear Derailleur Installation

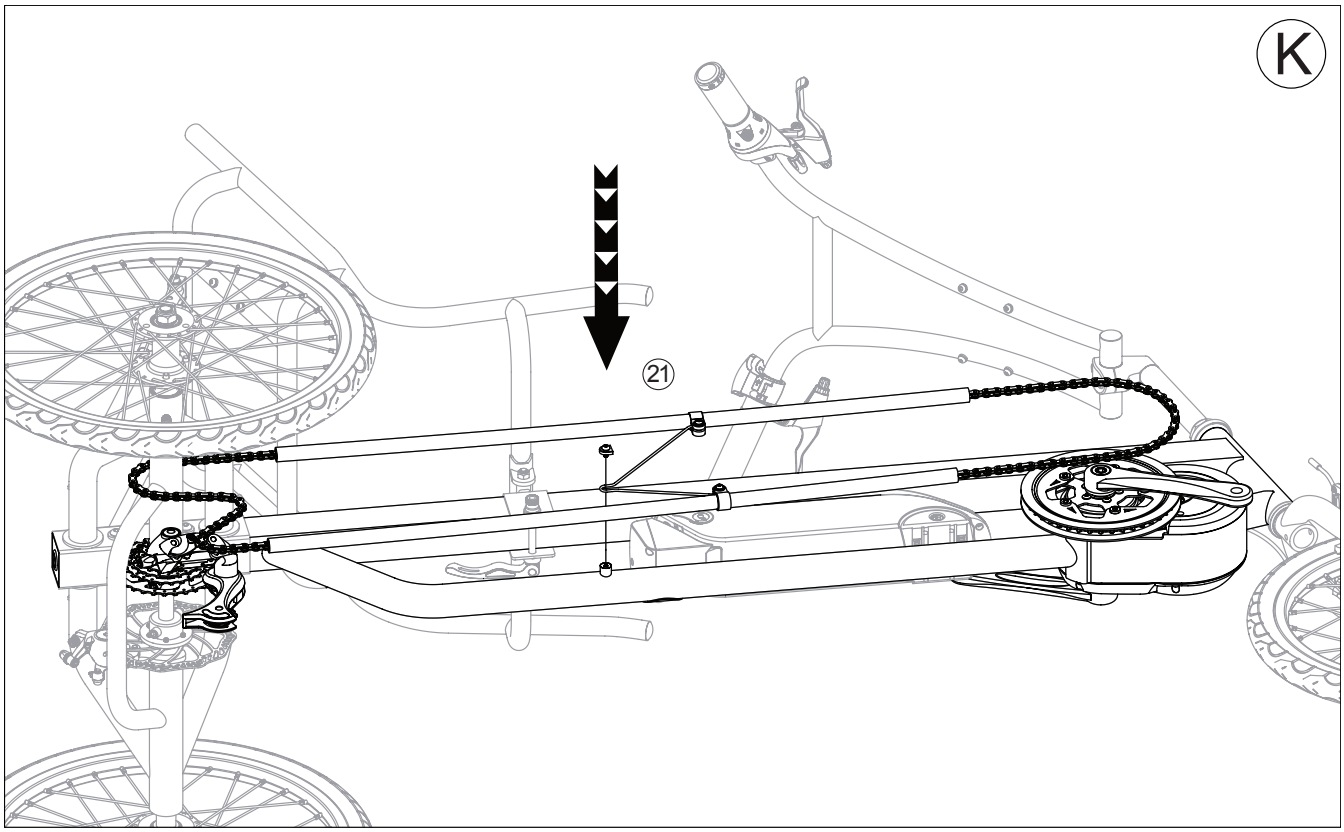
1. Install #20 Rear Derailleur onto the #2 Rear Unit Assembly derailleur tab and secure with the provided hardware.
   See Figure J.



Assembly Guide

Chain & Chain Tubes Installation

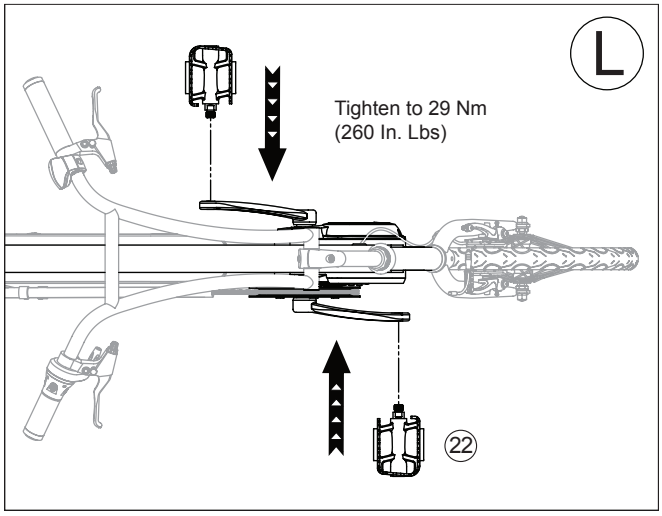
1. Insert the chain into the chain tubes. Beginning from the bottom chain tube, insert chain from rear to front, then into top chain tube, front to rear. Make sure the “Y” spring bracket is open toward the front of the trike.
2. Route the open end of the chain over the cassette and through the rear derailleur then close the chain.
3. Install #21 Chain & Chain Tube Assembly onto the main frame and secure with provided hardware. See Figure K.
4. Install chain onto crank and pull enough chain to go around chain ring.
5. Adjust chain tubes to prevent contact with chain ring.



Assembly Guide

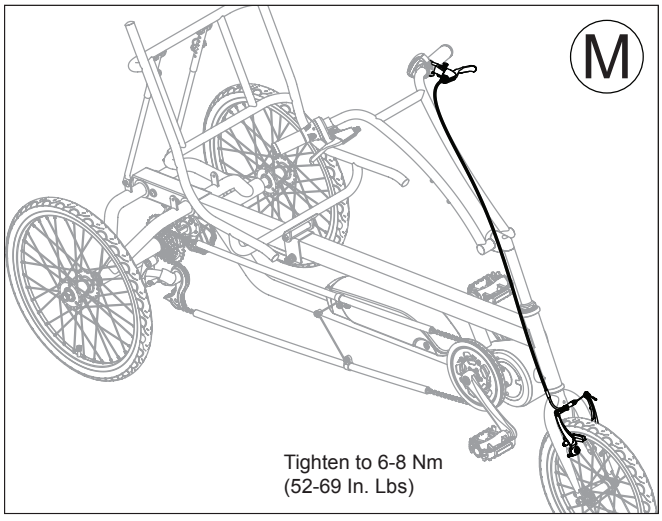
Pedal Installation

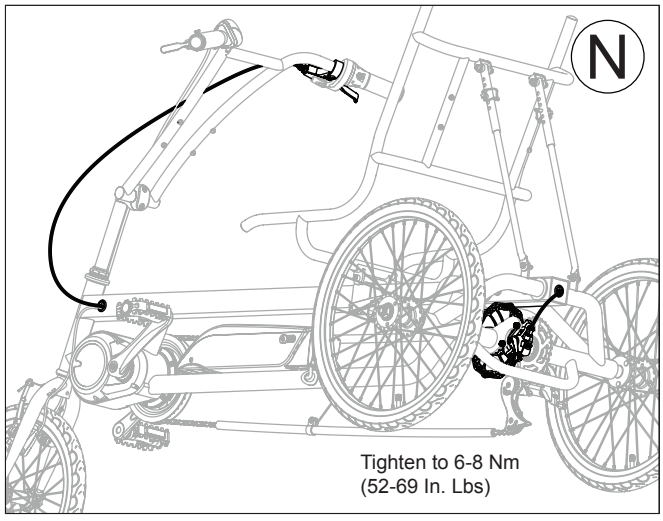
1. Apply grease to the threads of the pedal spindle. This will protect both the threads of the pedal and crank arm over time.
2. Use pedal washers where required. Using your hands, thread the pedal spindle into the crank arm by turning it toward the front of the bike. Once the threads catch use your pedal wrench to finish tightening down the pedals. See Figure L.
   Torque down the pedals to a minimum of 290 in-lbs of torque.



Cable Routing, Brake

1. Connect the right/left brake cable on the brake levers to the linear pull front brake and rear disc brake caliper. See Figure M & N.

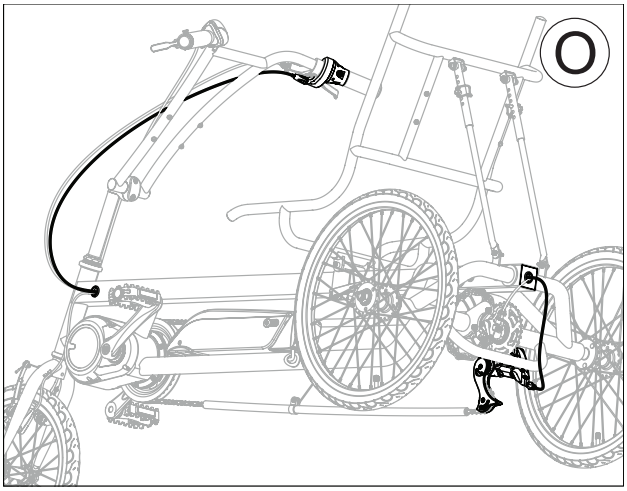


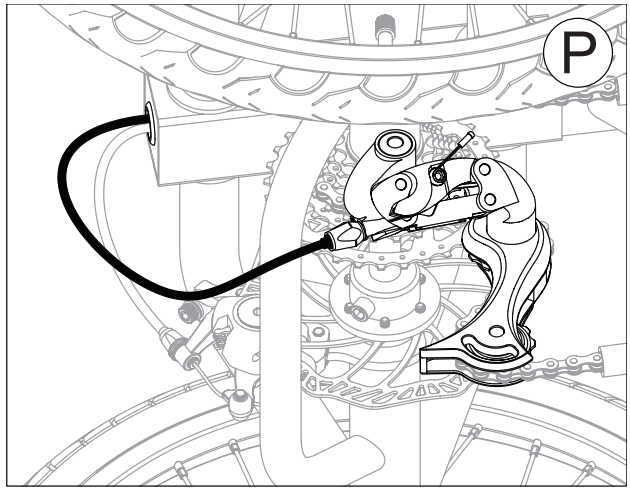


Assembly Guide

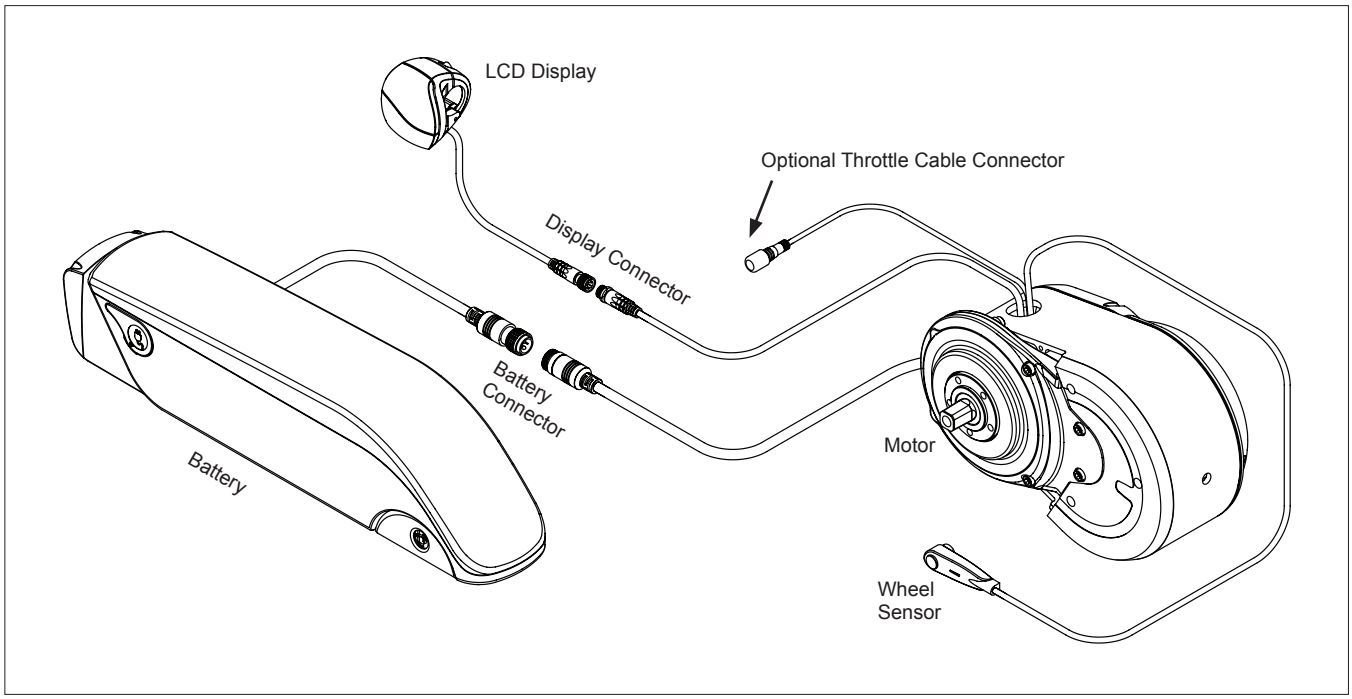
Cable Routing, Rear Derailleur

1. Route Rear Shifter Housing through the inside of the frame, and connect the cable into the rear derailleur with about 50mm cable reserved. Cut the excess part, clamp with a ferrule. See Figure O & P.





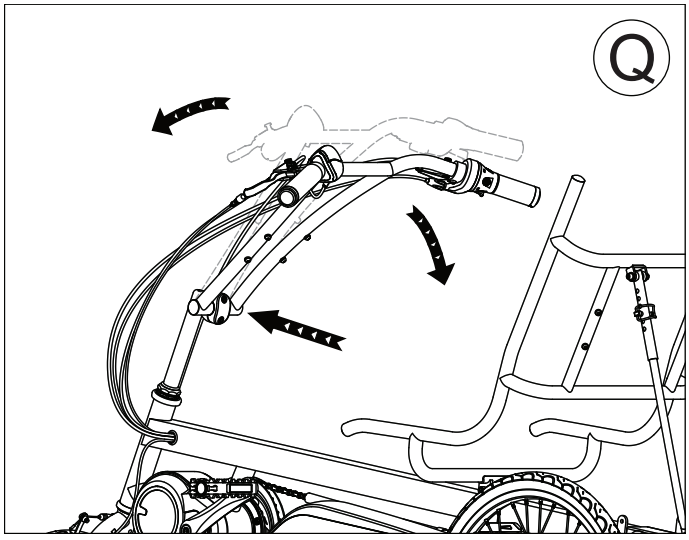
Electrical Wire Routing



Assembly Guide

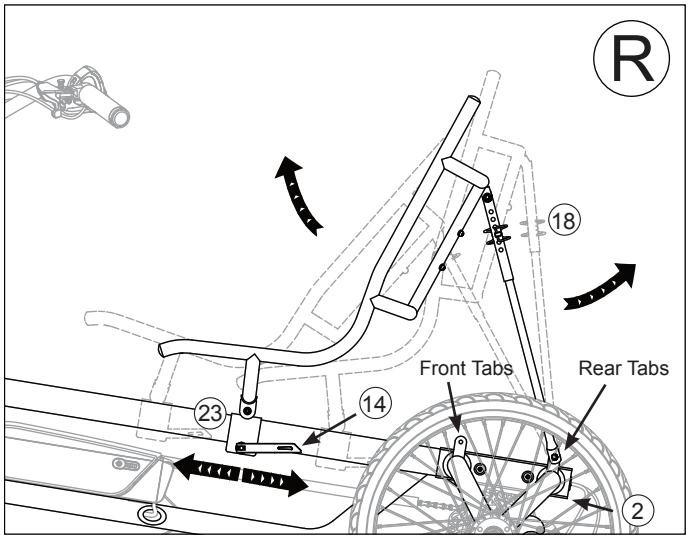
Handlebar and Stem Adjustment

Handlebar stem height can be adjusted to provide desired toe clearance during pedal stroke. See Figure Q.
NOTE: DO NOT extend handlebar stem past its marked safety line.
Handlebar can be rotated up or down for desired comfort. To prevent numbness of the hands or fingers be sure to keep your hand position just below the level of your heart while seated.
Once handlebar position is set you can now adjust the brake and shift controls for comfort.



Seat Adjustment

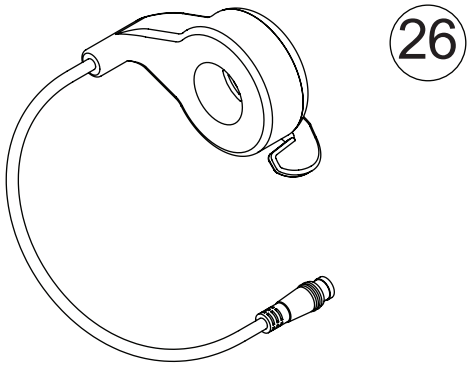
Loosen #14 Quick Release Seat Pin and slide the #23 Seat Mount Bracket rearward on the #1 Main Frame until in a comfortable seating position. Adjust the seat angle by removing the #18 Seat Strut Pins and sliding the Seat Struts into a new position if necessary. NOTE: there are both front and rear seat tabs on the #2 Rear Unit Assembly to further adjust proper seat position. See Figure R.



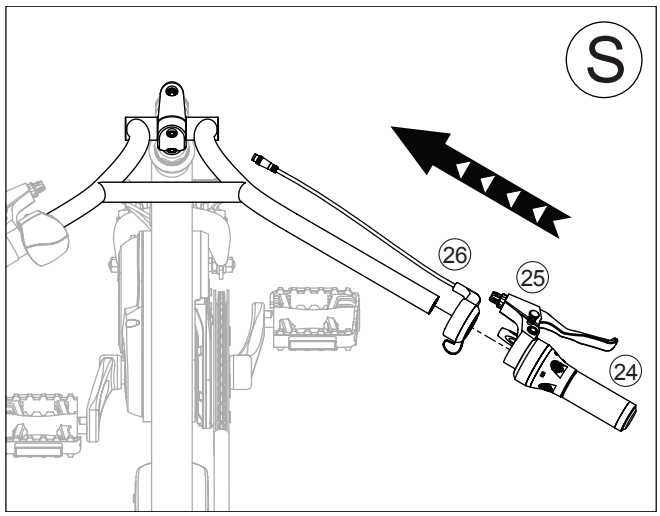
Assembly Guide

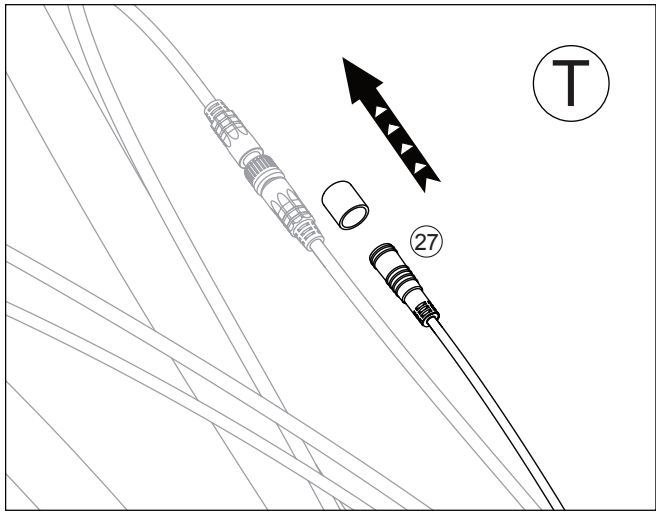
Optional Thumb Throttle Installation

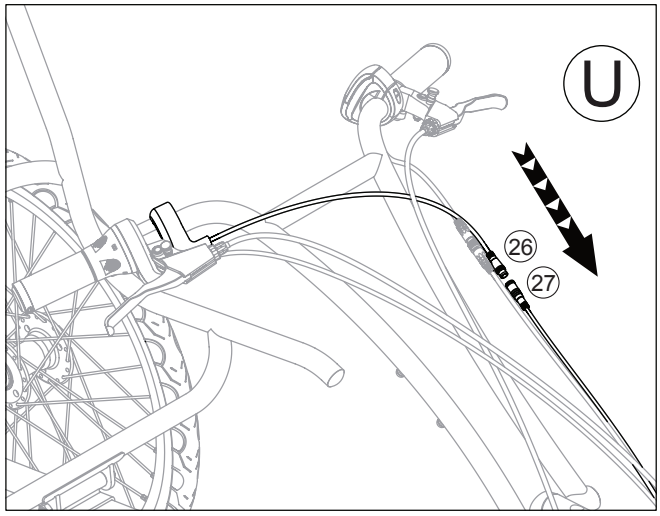
1. Remove right hand #24 Shifter and #25 Brake Lever. Install #26 Throttle, reinstall #25 Brake Lever and #26 Shifter. See Figure S.
2. Remove cap from #27 Optional Throttle Cable Connector. See Figure T.
3. Install #26 Throttle Cable into #27 Optional Throttle Cable Connector. See Figure U.



Optional Throttle may not be legal in all states. Please check your local jurisdiction before installing.







PLEASE READ THIS BEFORE RIDING YOUR SUN SEEKER RECUMBENT

This manual is intended to be read carefully so that you may enjoy your new recumbent and be an informed rider aware of the benefits as well as the warnings and safety issues in riding this recumbent.

A recumbent trike is not a bicycle and this manual contains specific information and warnings that will let you enjoy your Sun Seeker Recumbent Trike in comfort and safety.

Tricycling is a sport, and a mode of transportation. With it comes the risk of an accident that could result in injury and even death. By riding this recumbent, you assume that risk.

We want to give you as much information as possible to make you a safer rider. We cannot cover all contingencies, but we can make you more aware and informed. Be aware that:

- Municipal bicycle regulations also apply to recumbents. Most states and municipalities have bike regulations. It's up to you to research those regulations and become informed. Your local dealer will be able to help you with this information. Since you will be sharing the road at times with other vehicles, a good rule to follow is "If you can't do it with a bicycle, don't do it with a recumbent".

- A recumbent trike's widest point could be behind you at the rear wheels. If the front goes by an obstacle there is no guarantee that the rear wheels will also clear. When riding, you must give clearance to the edge of the road or sidewalk. Give extra room when passing near pedestrians and obstacles.
  Stay clear of potholes and be aware that you can lose control if any wheels should drop into a hole or catch an immobile object.

Always ride defensively and watch out for the unexpected. This means everything from cars to kids, pets, and rough or hazardous road surfaces. Be prepared to avoid danger and ALWAYS WEAR A BICYCLE HELMET. We recommend buying your helmet from a local dealer that can fit and instruct you on the correct way to wear this helmet. Protecting your head is your primary safety responsibility.

Always wear a CPSC, ANZI, ASTMS, or SNELL approved bicycle helmet. CPSC approval is the U.S. Federal Standard to which all helmets must comply.

PRE-RIDE CHECKLIST

1. Check your tires for proper air pressure. Keep tire pressure between the minimum and maximum air pressure rating printed on the tire sidewall. Do not inflate over the maximum air pressure rating on the tire sidewall.

2. Test your brakes and make sure they stop the recumbent. If you have any doubts, do not ride, and see your dealer for service.

3. Check that the handlebar is tight and that the ends are plugged. Check the saddle for tightness.

4. Move the recumbent forward and back. If you hear or feel any resistance, do not ride.

If you feel that something is not right after performing your check, DO NOT RIDE. Take your recumbent to your local dealer for inspection.

PRECAUTIONS AND WARNINGS

A recumbent trike does not handle like a bicycle. You cannot lean into a turn. Turns must be made more carefully and at a slower speed than a bicycle.

All wheels must be on the ground at all times. Do not make sudden changes in direction that could unbalance the recumbent and cause an accident.

When beginning to ride, stay at a slow speed. You must acclimate yourself to handling and turning this recumbent. If you feel insecure, slow down and proceed at a slower pace. With practice, you will become comfortable riding and stopping.

The ability to climb hills on this electric recumbent will depend on the grade, rider weight, pedal input, and momentum. It is not advised to rely solely on the motor assist. Best results will come from a combination of motor and pedal assist.

Tipping hazard. Turning sharply or turning at speeds above 5 mph can cause the recumbent to become unbalanced and tip over resulting in possible injury or death.

For your safety, the maximum power-assisted speed of this recumbent is limited to 15 MPH.

Keep both hands on the handlebar at all times. Riding with no hands can cause the recumbent to become unstable and tip over, resulting in possible injury or death.

We recommend that you not ride at night or at times of reduced visibility.

If you must ride at night or during reduced visibility, you must outfit your recumbent with a white front light and red rear light. Relying on reflectors is not adequate protection. Most municipalities require lights for night riding. Your local bicycle dealer can help you in selecting the right lighting system for your needs.

INTENDED FOR RIDERS 13 YEARS OF AGE OR OLDER.

MAXIMUM WEIGHT LIMIT FOR RIDER AND CARGO COMBINED IS 300 LBS.

MOTOR

Brand: TranzX

Model: M16GT Mid Drive Motor

Rated Voltage: 36V DC

Rated Power: 250W

Efficiency (%): >78%

Noise Level: 75 dBA

Water Resistance Rating: IPX5

Operating Temperature Range: -4°F ~ 104F

Weight: 8.6 LBS

DISPLAY

Brand: TranzX

Model: DP29

Rated Voltage: 36V DC

Communication: CAN BUS

Water Resistance Rating: IPX5

Certificates: CE/ROHS

Operating Temperature Range: 32°F - 131°F

FEATURES:

Large fonts are easy to read, with light-sensitive switches, three-button simple operation, battery display, kilometer/mile switch display, four-stage power assist mode, front/rear light switch, USB charging support.

Bluetooth

The display supports Bluetooth connection.
For details of Bluetooth operation, please refer to the Tranzx APP manual.
www.gpstuner.com/tranzx-app-documentation-2/

User Manual: For complete details on the operation and use of this display refer to the TranzX User Manual included in the following section.

For your safety, the maximum power assisted speed of this recumbent is limited to 15 MPH.

DISPLAY USER'S GUIDE

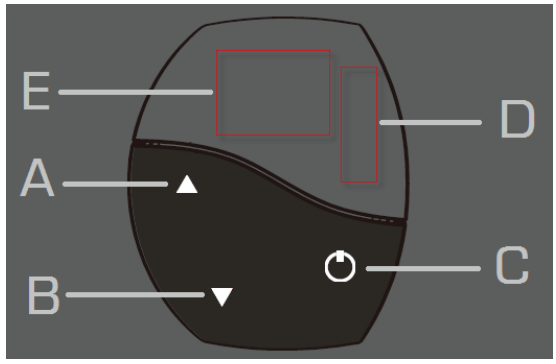
TranzX
inspiring your ride

DP29 Display Operation Manual

Control pad

TranzX

CONTROL PAD BUTTONS	
A	Short Press：Increase assist mode Long Press：Walking Assist
B	Short Press：Decrease assist mode Long Press：Light ON/OFF
C	Short Press：Turn On / Switch modes (Speed/Assist mode /Range) Long Press： Turn Off
D	Battery mode (5 -LED)
E	Speed / Assist mode / Range



DISPLAY USER'S GUIDE

Operation Function Description

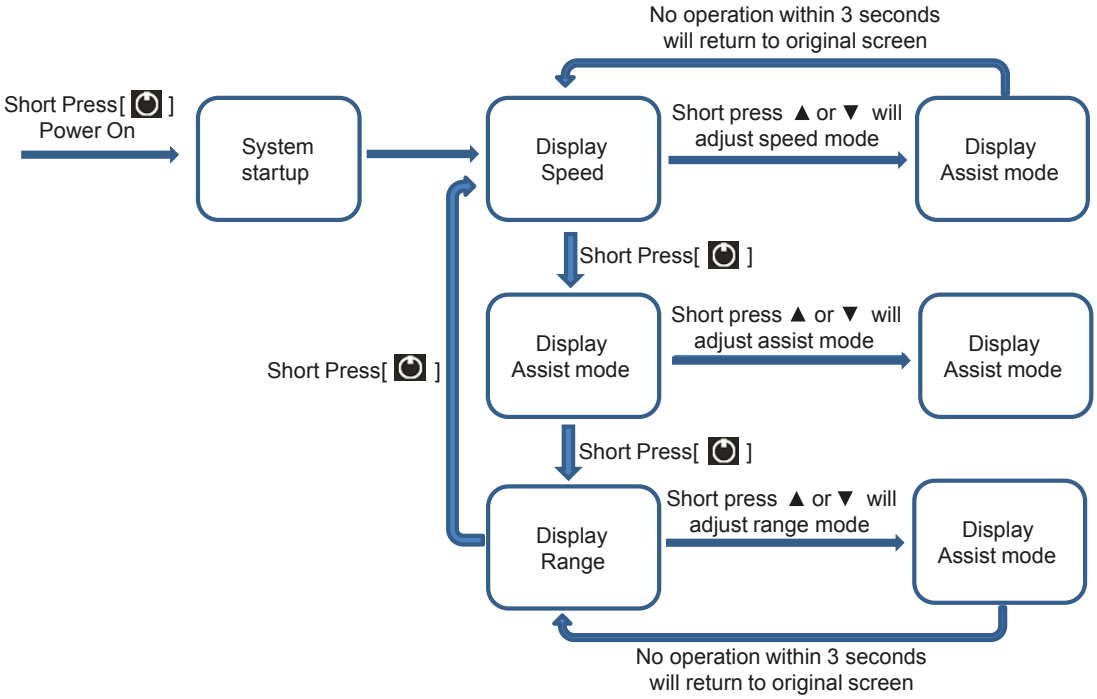
Function	Description
Display Information Switch	Short press ⏻ to switch between the 3 following information sequences 1. Speed 2. Assist mode 3. Range
Assist Mode Adjustment	Short press ▲ button to increase assist level, short press ▼ button to decrease assist level. When assist mode is adjusted under Speed and Range screens, system will automatically switch to assist mode screen and return to the original screen within 3 seconds without any adjustment.
Walking Assist	Long press ▲ to activate walking assist, release button will stop. Warning: Walking Assist mode is only for help while pushing the trike. Do not use this function while riding the trike.
Light Control	Automatic mode is preset when power-on, system automatically switches the light according to ambient brightness. Long press ▼ to switch manual mode, long press ▼ to switch light in manual mode.
Kph/ Mph switch	Short press in the following order to set Kph/ Mph. "▲ ▼ ▲ ▼ ▲ ▲ ▼ ▼". After setting, you see "88", then you are in Mph; when you see "11", then you are in Kph.

Status Indicator Description

Status	Description
Battery Level Indicator	(a) 5 full LED light : 80~100% (b) 4 LED light : 60~79% (c) 3 LED light : 40~59% (d) 2 LED light : 20~39% (e) 1 LED light : 15~19% (f) 1 LED light with slow blink : Battery capacity under 15% (g) 1 LED light with fast blink : Remaining mileage is less than 3 mph in assist mode 4, system will force to switch to mode 1.
Sleep Mode	When unit is inactive for more than 10 minutes, the display will turn off with 1 LED slowly blinking. Press any button or riding in this status will resume normal display mode.
Turn Off	When unit is inactive for more than 20 minutes, the display and LED will turn off. A short press of ⏻ in this status will resume the normal operation mode.

DISPLAY USER'S GUIDE

Display Switch and Assist Mode Adjustment



Error Code on Display

If there is an error in the system, an Error Code will flash on the display one character at a time and keep repeating. The error code will always start with the letter E to indicate an error in the system. In this example, the error code flashing is E 0 5 0 1.

To decode and troubleshoot the error refer to the Error Code List on the next page.

ERROR CODE LIST

TranzX Logix line Error code list V1.10

Error code	Description	Detection method	Repair
E00	**Display system**		
E0000	Voltage detection error of the Display (5V)	LogiX test	Check Display
E0001	Voltage detection error of the Display (5V_SW)		
E0002	Voltage detection error of the Display (5V_SW2)		
E0003	LCD backlighting error		
E0004	Voltage detection error of the Display (5V)	E-bike system	
E0005	Voltage detection error of the Display (5V_SW)		
E0006	Voltage detection error of the Display (5V_SW2)		
E0007	Display EEPROM read/write error		
E0008	Display LCD driver IC defect		
E0009	Light Sensor defect	LogiX test	
E0055	Software update incomplete	E-bike system	Software update
E01	**Controller system**		
E0100	Voltage detection error of the Controller (5V)	LogiX test	Check Controller
E0101	Voltage detection error of the Controller (5V_SW)		
E0102	Voltage detection error of the Controller (12V)		
E0103	Light voltage output error of the Controller (6V)		
E0104	Motor control circuit defect		**1**.Check motor cable, **2**. Check Controller, **3**. Check Motor
E0105	Voltage detection error of the Controller (5V)	E-bike system	Check Controller
E0106	Voltage detection error of the Controller (5V_SW)		
E0107	Voltage detection error of the Controller (12V)		
E0108	Light voltage output error of the Controller (6V)		
E0109	Slope sensor detection error		Check AGT unit
E0110	Motor blocked		**1**.Check motor cable, **2**. Check Controller, **3**. Check Motor
E0155	Software update incomplete		Software update
E03	**Motor system**		
E0300	Crank dead point sensor defect	LogiX test	**1**. Check crank assemble position, **2**. Check motor cable connection, **3**. Check Motor
E0301	Crank direction sensor defect		**1**. Check motor cable connection, **2**. Check Motor
E0302	Crank RPM sensor defect		
E0303	Coaster brake sensor defect		**1**. Check display cable connection, **2**. Check Motor
E0304	Crank dead point sensor defect	E-bike system	**1**. Check motor cable connection, **2**. Check Motor
E0305	Crank RPM sensor defect		
E0306	Coaster brake sensor defect		**1**. Check display cable connection, **2**. Check Motor
E0307	Motor temperature sensor defect		
E0308	Motor Hall sensor defect		**1**. Check motor cable connection, **2**. Check Motor
E0309	Torque sensor defect		**1**. Check display cable connection, **2**. Check Motor
E0310	Torque sensor out of range	LogiX test	**1**. Check the tighten torque value of the 9 screws on the motor, **2**. Check Motor
E0311	Torque sensor reverse		**1**. Check the torque value. It should increase when pressing the right pedal, **2**. Check Motor
E0312	Software & Motor SPEC not match		**1**. Check the software SPEC, **2**. Check if the Motor SPEC is correct(Coaster/Free wheel)
E0313	Torque sensor calibration out of range		Change motor
E0355	Software update incomplete	E-bike system	Software update
E04	**Battery system**		
E0400	Voltage detection error of the Battery (36V)	LogiX test	**1**. Check Controller, **2**. Check Battery
E0401	Voltage detection error of the Battery (36V)	E-bike system	
E0402	Battery I2C Communication error		
E0403	Battery voltage out of range		
E05	**Wheel speed sensor system**		
E0500	Wheel speed sensor error	LogiX test	**1**.Check magnet position, **2**. Check display cable connection, **3**. Check speed sensor
E0501	Wheel speed sensor error	E-bike system	
E0502	Anti-tempering error	E-bike system	**1**. Check if speed sensor has been modified, **2**. Check speed sensor & magnet
E06	**Display remote control button system**		
E0600	"+" button defect	LogiX test	**1**.Check connection between remote control and Display, **2**.Check remote control, **3**.Check display
E0601	"-" button defect		
E0602	"S" button defect		
E0603	"Power" button defect		
E0604	Brake cut-off sensor defect		**1**. Check the remote control, **2**. Check the display
E08	**Communication system**		
E0800	Display MCU <> Power MCU communication error	E-bike system	**1**. Check display cable connection, **2**. Check Controller,
E0801	Display MCU <> Motor MCU communication error		
E0802	Display MCU <> AGT MCU communication error		**1**. Check display cable connection with AGT unit, **2**. Check AGT unit
E0803	Display MCU <> Torque MCU communication error		**1**. Disconnect USB cable before switch on bike, **2**. Check display cable connection, **3**. Check Motor
E0804	Display MCU <> All MCU communication error		**1**. Check display cable connection, **2**. Check motor cable connection, **3**. Check Display, **4**. Check Controller
E0805	Firmware compatible problem		**1**. Check Firmware SPEC between display, controller, sensor and motor
E0806	Display <> Cradle communication error		**1**. Check the contact between display & cradle, **2**. Check cradle, **3**. Check display
E09	**Light system**		
E0900	Front light system error	LogiX test	**1**. Check front light, **2**. Check light cable
E0901	Rear light system error		**1**. Check rear light, **2**. Check light cable
E10	**Cable system**		
E1000	Voltage detection error of the Battery (36V) from Display	LogiX test	**1**. Check display cable connection, **2**. Check Display
E1001	Voltage detection error of the Battery (36V) from AGT		**1**. Check display cable connection with AGT unit, **2**. Check AGT unit
E1002	Voltage detection error of the Battery (36V) from Display	E-bike system	**1**. Check display cable, **2**. Check Display
E1003	Voltage detection error of the Battery (36V) from AGT		**1**. Check display cable connection with AGT unit, **2**. Check AGT unit

Note: 1. "LogiX test" error codes require dealer assistance to.

Note: 2. "E-bike system" error codes display on your handlebar display unit.

Note: 3. **Bold** font as an important error message.

BATTERY

SPECIFICATIONS

Brand: TranzX
Cell Type: Lithium Polymer
Rated Capacity: 13.4 Ah
Rated Energy: 482 Wh
Rated Voltage: 36V DC
Operating Temperature: -20°C~60°C (-4°F~140°F)
Charge Temperature: 0°C~45°C (32°F~113°F)
Storage Temperature: - 20°C~35°C (-4°F~95°F)
Storage Humidity: 45~60%
Dust/Water-proof rating: IPX5
Weight: 6.0 LBS

WARNING!
Do not leave key in battery lock during use. Key will fall out and be lost.

WARNING!
This recumbent is designed for use only with 36V 13.4Ah battery. Use of any other battery will void warranty.

BATTERY

Important Notice

The operating temperature ranges for the battery are given below.
Do not use the battery in temperatures outside these ranges. If the battery is used or stored in temperature outside these ranges, fire, injury or problems with operation may occur.

- During charging: 0 °C ~ 45 °C
- During discharge: –20 °C ~ 60 °C
- Store the battery in a safe place out of the reach of children and pets.
- If you are not riding your recumbent for a long period of time, please store it with more than 30% battery power. In addition, please pay attention to charging once every 3 months to avoid completely draining the battery.
- Do not insert or remove the plug while it is wet. If this is not observed, electric shocks may result. If there is water leaking out of the plug, dry it thoroughly before inserting it.
- Do not leave the battery in a place exposed to direct sunlight or other hot places. This may result in battery leakage.
- Do not leave the battery near sources of heat such as heaters. Do not heat the battery or throw it into a fire. Doing so may cause bursting or ignition of the battery.
- Do not place the battery into fresh water or sea water, and do not allow the battery terminals to get wet. Doing so may cause overheating, bursting, or ignition of the battery.
- Do not subject the battery to strong shocks or throw it. If this is not observed, overheating, bursting, or fire may occur.
- Use the specified charger and observe the specified charging conditions when charging the specified battery. Not doing so may cause overheating, bursting, or ignition of the battery.
- Don't plug the charger into the battery for a long time when the battery is fully charged or not charged.
- Do not deform, modify, disassemble or apply solder directly to the battery. Doing so may cause leakage, overheating, bursting, or ignition of the battery.
- Do not use the battery if it has any noticeable scratches or other external damage. Doing so may cause bursting, overheating or problems with operation.
- If any liquid leaking from the battery gets into your eyes, immediately wash the affected area thoroughly with clean water such as tap water without rubbing your eyes, and seek medical advice immediately. If this is not done, the battery liquid may damage your eyes.
- If any leaked fluid gets on your skin or clothes, wash it off immediately with clean water. The leaked fluid may damage your skin.
- Use the product according to local laws and regulations.
- Please discard of used batteries according to local regulations.

BATTERY

Product Appearance

Bottom

Left

Top

Rear

Right

■ **Left View**

BATTERY

■ Bottom View

Fuse

■ Rear View

■ Right View

Charge Port

BATTERY

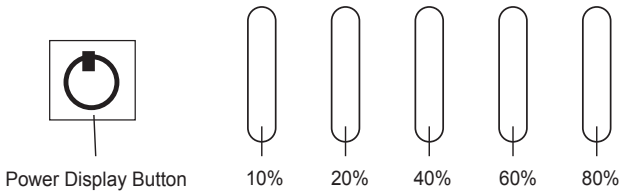
Standard Operation

■ Power On/Off

When the switch is on, the battery is powered on; when it is off, the battery is powered off.

■ Power Display Description

To turn on, press power switch for 5 seconds to wake up the system, press the battery display button and the remaining battery charge will be displayed on the LED indicators. When the battery enters the low voltage protection state or the power switch is turned off, the LED display will not light up.



SOC	LED state
≤ 10%	One LED Flashing
11-19%	One LED ON
20-39%	Two LEDS ON
40-59%	Three LEDS ON
60-79%	Four LEDS ON
> 80%	Five LEDS ON

■ Automatic Shutdown

If the output voltage is low (30V for 10 seconds or 27.5V for 1 second), the battery will automatically cut off. Waking up the battery can be done in the following ways,

1. Press power switch for 5 seconds to restart
2. Charge the battery.

BATTERY

Battery Mode Transition

From Active to Sleep Mode press power button for 10 seconds.
From Active to Deep Sleep Mode press power button for 30 seconds.

Product Specification

Model	BL19
Voltage	36V
Capacity	13.4Ah / 482Wh
Dimension	227 x 79 x 68mm
Weight	2.5 Kg
Charging Time	< 7 hours (1.8A Charger)

Charging **(see charger section for complete charging instructions)**

- The charging port is on the side of the battery, please open the protective cover and insert the charging plug into the socket for charging.
- Please use a charger designed for lithium-ion batteries to charge the battery.
- When charging is complete and the charging plug is unplugged, please close the protective cover.
- Please refer to the charging indicator to know the charging status.

CHARGER

SPECIFICATIONS

Brand: TranzX

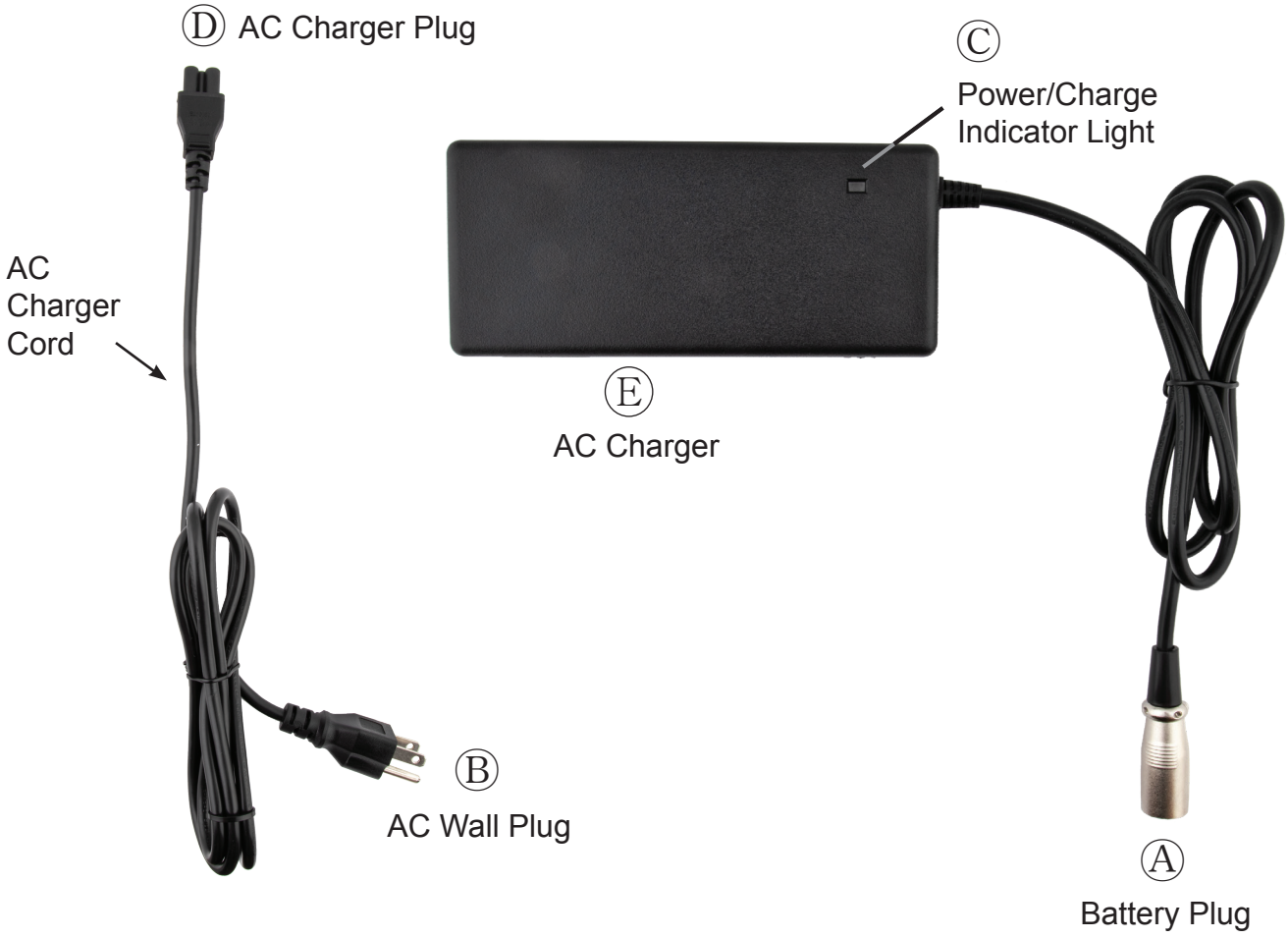
Input Voltage: A/C-100-240V ~ 1.8A (50/60 Hz)
Output Voltage: DC 42V / 2A

CHARGING MODE

Red Light: Charging

Green Light: Fully Charged

Charge Time from Full Discharge: Approximately 7 hours



CHARGER

Li-ion Battery Charger Instructions

1. Features

This is an intelligent charger, which employs power switching technology and is designed specifically for Li-ion batteries.

(1) Input voltage:100-240Vac. Operating and storage temperature range: 0~40°C. (32~104°F)

(2) Low noise.

(3) Reverse polarity protection ensures that the charger is not damaged if the power supply polarity is reversed.

2. Usage

(1) First plug AC charger plug (D) into AC Charger (E). Next plug battery plug (A) into battery. Then plug AC wall plug (B) directly into wall outlet.

(2) During the charging cycle, the charge/power indicator light (C) will be red, after fully charged the indicator light will turn green.

(3) After battery is fully charged (green light is on), unplug wall plug (B) first then unplug battery plug (A).

3. Troubleshooting

(1) Symptom: Power/Charger light (C) is not illuminated.

A. Check to make sure there is power to your AC wall outlet.

B. Check to make sure your AC charger plug (D) is fully inserted into the charger.

C. Check to make sure your battery plug (A) is fully inserted into the battery.

If the above did not resolve problem, ask your dealer for assistance. Do not attempt to repair yourself.

(2) Symptom: Power/Charger light (C) constantly illuminated red.

D. Check battery for signs of damage.

If the above did not resolve problem, ask your dealer for assistance. Do not attempt to repair yourself.

4. Caution

(1) There is high voltage inside the charger. Do not attempt to open it.

(2) The charger is designed for indoor use only.

(3) Do not attempt to recharge any non-rechargeable batteries.

(4) Contact the manufacturer or retail dealer if there are any problems.

(5) This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

(6) Children should be supervised to ensure that they do not play with the appliance.

(7) IMPORTANT SAFETY INSTRUCTIONS – SAVE THESE INSTRUCTIONS

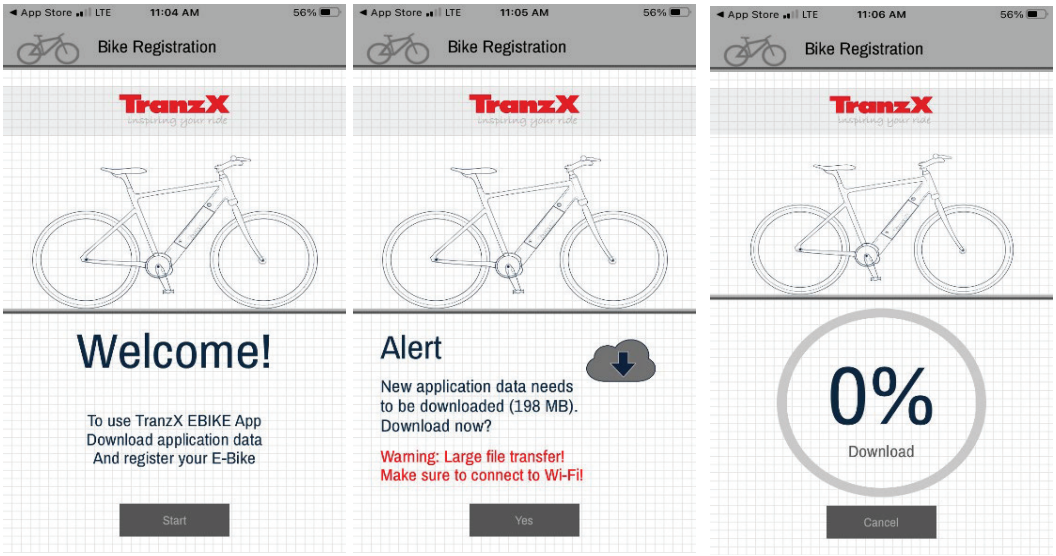
(8) DANGER–TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS

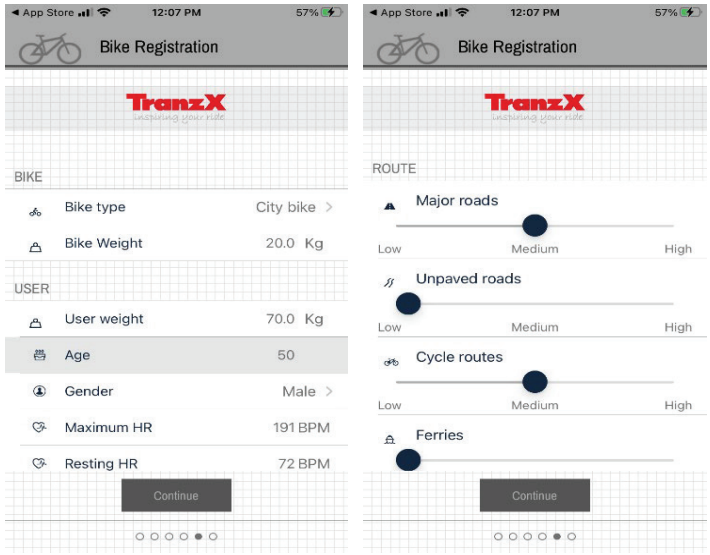
(9) If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

Bluetooth App Manual

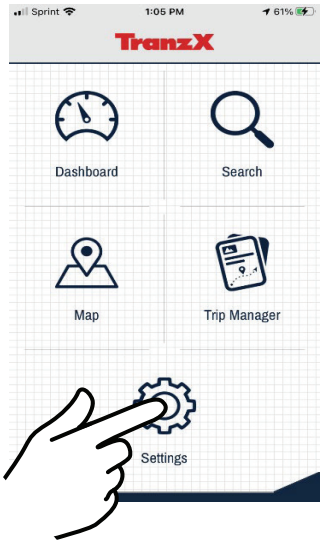
1. Download App from the Apple App Store or Google Play Store.
2. Tap the "TranzX" icon on your phone.
3. Follow the Bike Registration prompts. Note: You can stick with the default settings for now then in step 4 input them.

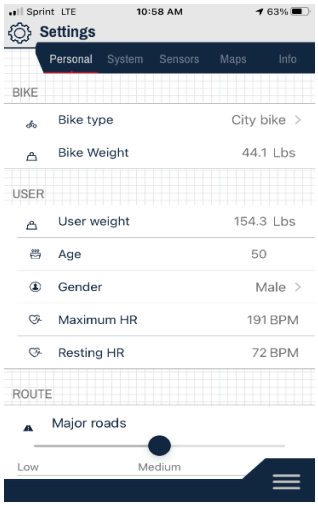


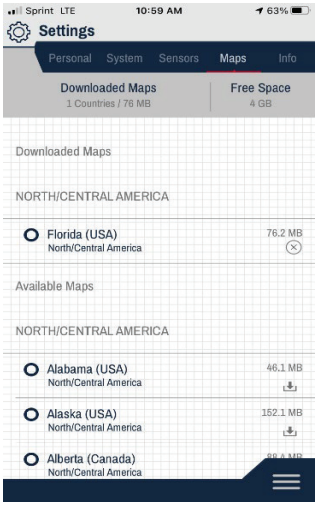


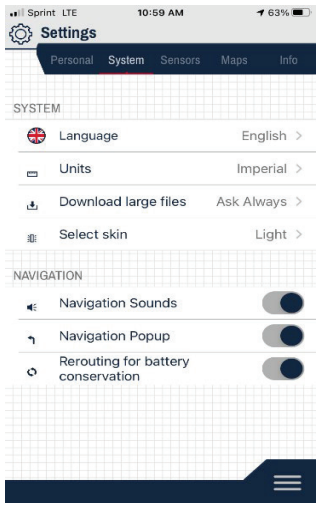
Bluetooth App Manual

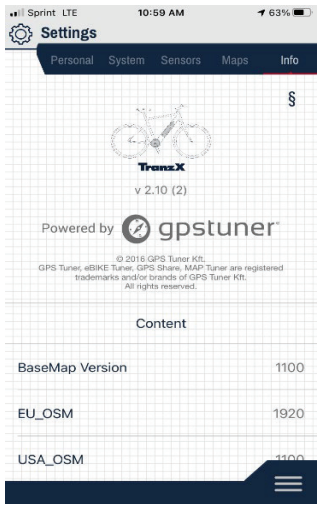
4. Tap the Settings icon and input Personal settings, System settings, Sensor settings, Maps for your state.

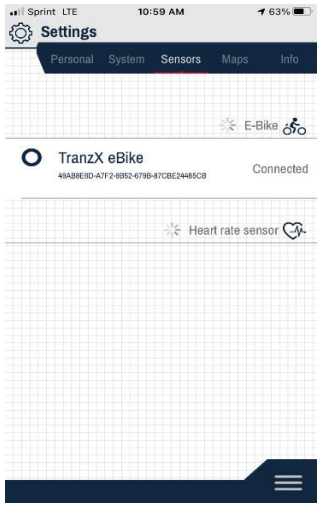






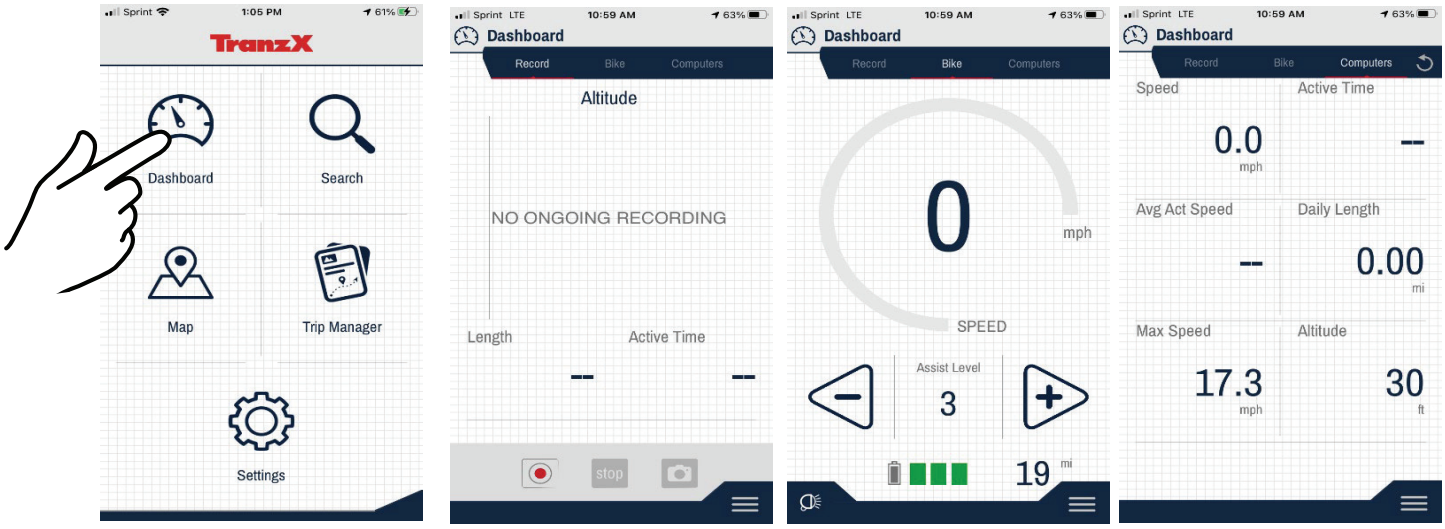




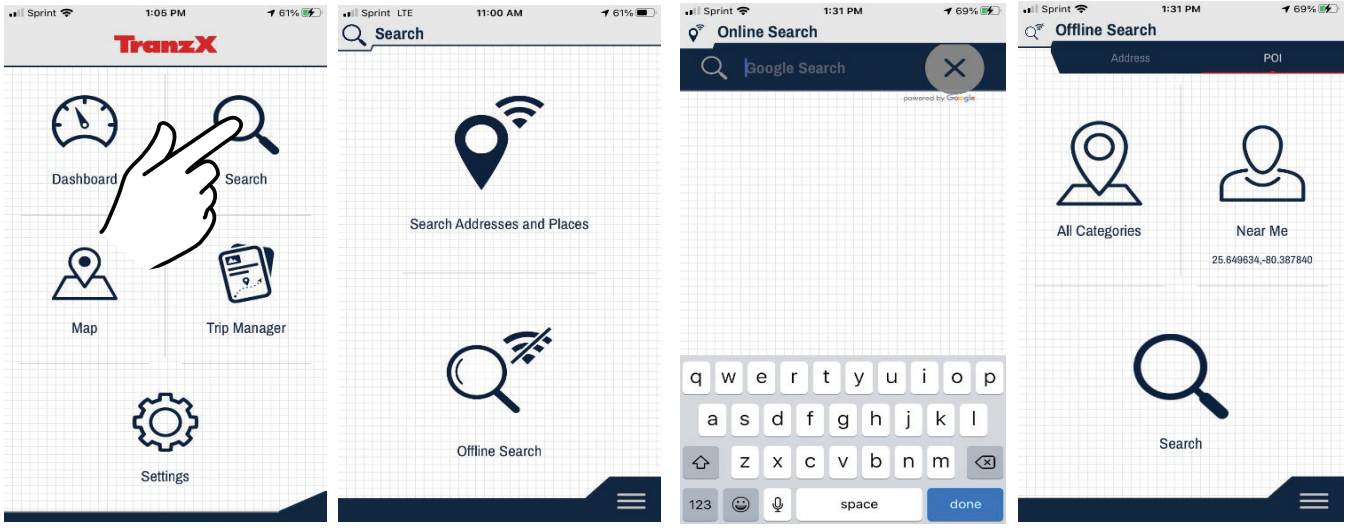


Bluetooth App Manual

5. Tap the Dashboard icon to access Trip Recording function, Bike functions and Computer function.

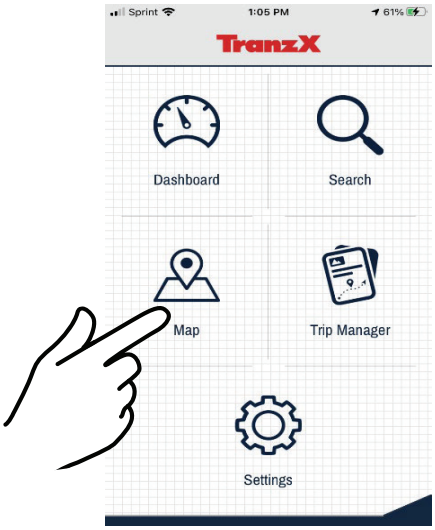


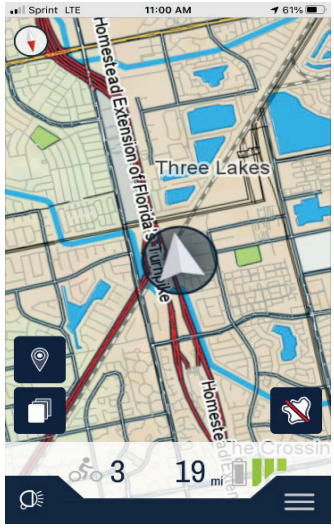
6. Tap the Search icon to access different search options.



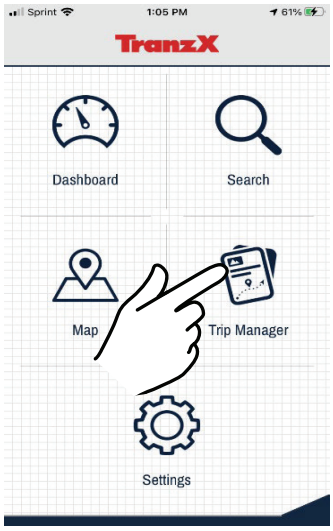
Bluetooth App Manual

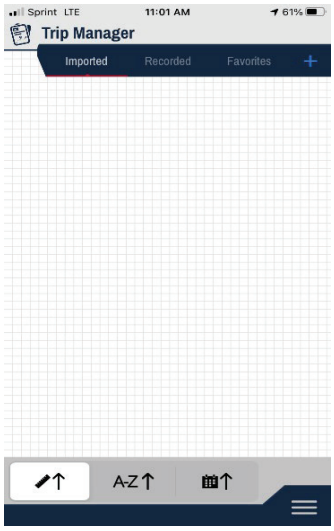
7. Tap the Map icon to access your map.

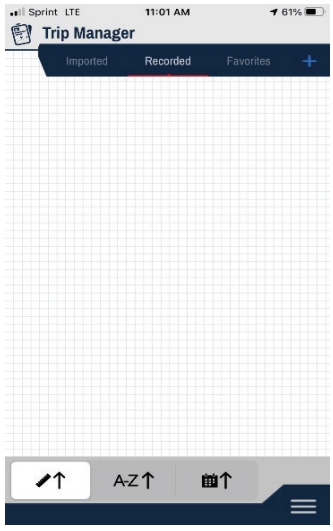


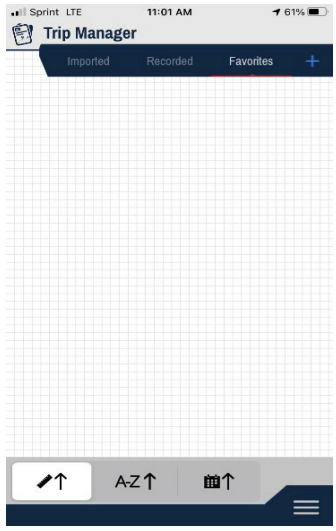


8. Tap the Trip Manager to access your Imported, Recorded and Favorites routes.









Notes

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