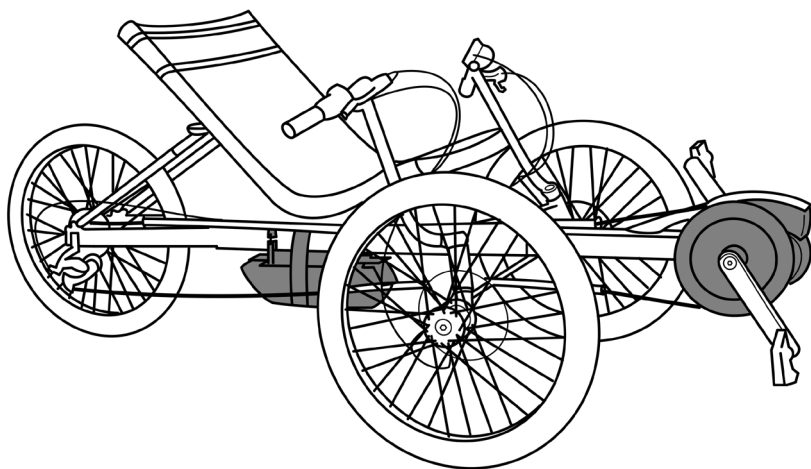




**Rover and Rover Tandem
Boost Kit
with Bosch Active Line Plus
Dealer Assembly Manual**

Boom Serial Number: _____

Ensure Boost Kit serial number (located on the inside of the boom tube) matches the order and the specifications of the trike it is to be mounted on.



Warning: Failure to match Boost Kit and the trike specifications it is programmed for could result in an error code, will cause the Boost Kit to not operate properly, and will void the warranty for the Boost Kit.

PLEASE NOTE

TERRATRIKE COMFORT PEDALS OR CLIPLESS PEDALS ARE HIGHLY RECOMMENDED, SPECIFICALLY WITH USE OF THE ROVER TANDEM BOOST KIT.

Installing a Boost Kit on the Rover Tandem will eliminate the independent pedaling system (IPS) of the captain crankset.

Perform the following before installing the Bosch Boost Kit:

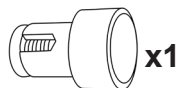
- Remove pedals from stock boom.**
- Break chain.**
- Remove stock boom.**

Boost Kit Hardware:

Cable Guide



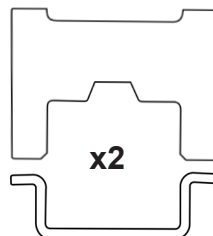
Speed Sensor
Magnet



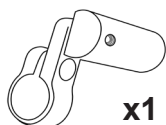
Battery Lock
Key



Clamp



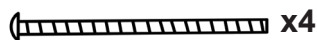
Display Mount



M5 Nyloc
Nut

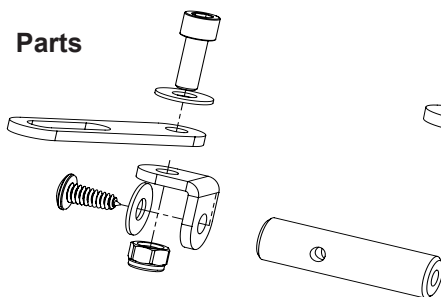


M5x70
BHCS

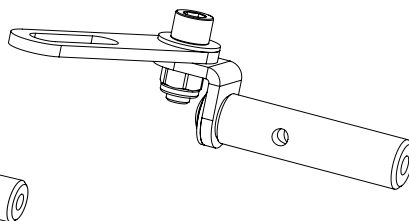


Computer Sensor Bracket

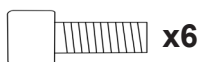
Parts



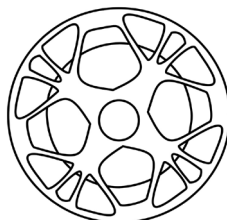
Assembled



M8x20 SHCS

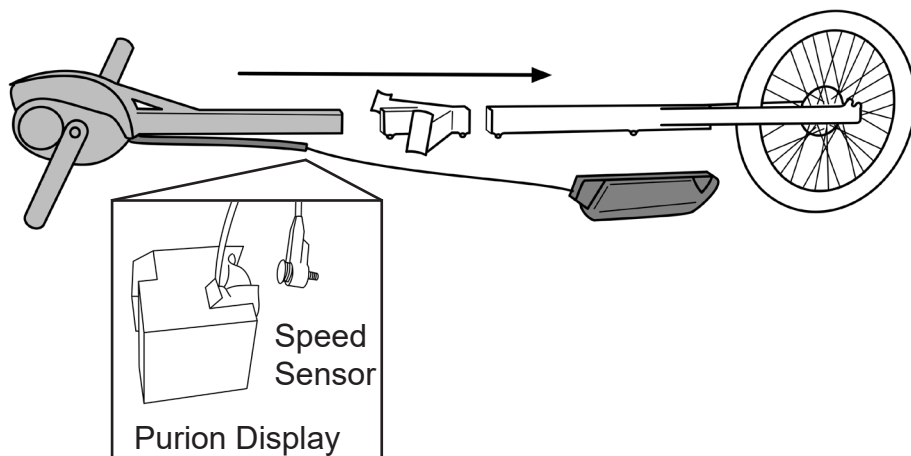


34t Chainring



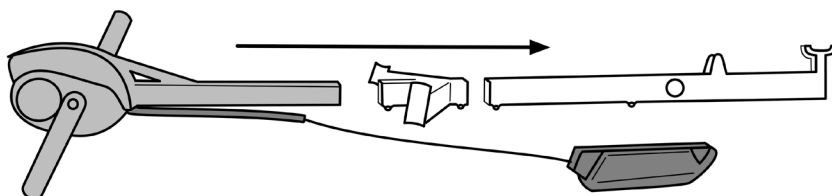
1

Using caution to not stress wires, insert boom to desired length and replace frame set screws with M8x20 SHCS bolts. Tighten bolts to 15-16Nm.



Rover Tandem models:

After boom is secured, replace the stock 44t chainring with provided 34t chainring.



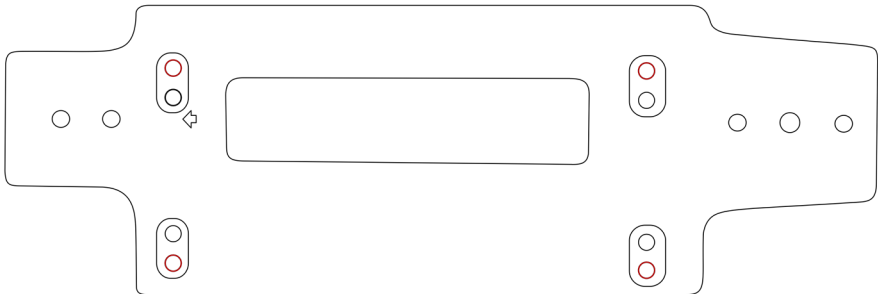
2

Being careful not to change the alignment, disconnect the tie-rod on one side.

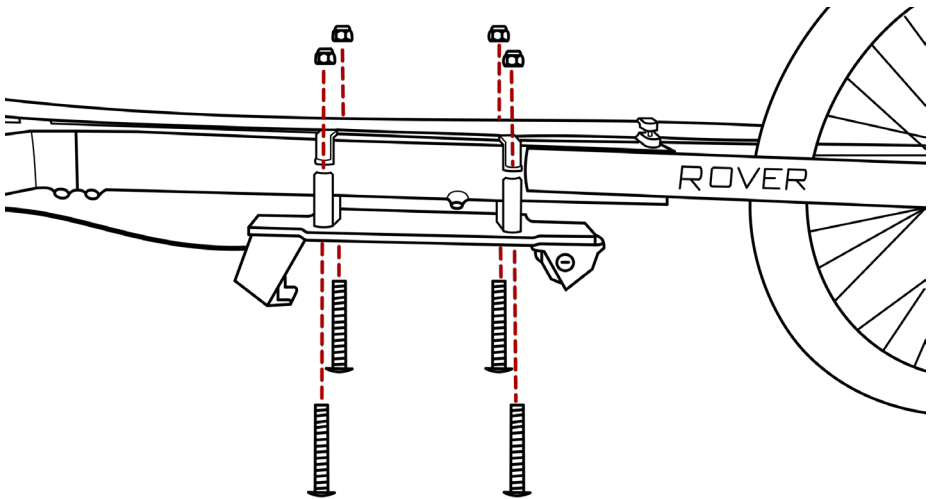
3

Install the battery plate with the rear mounting bracket located behind the furthest frame set screw. Mount the battery plate to the frame using the M5x70 bolts and M5 nuts.

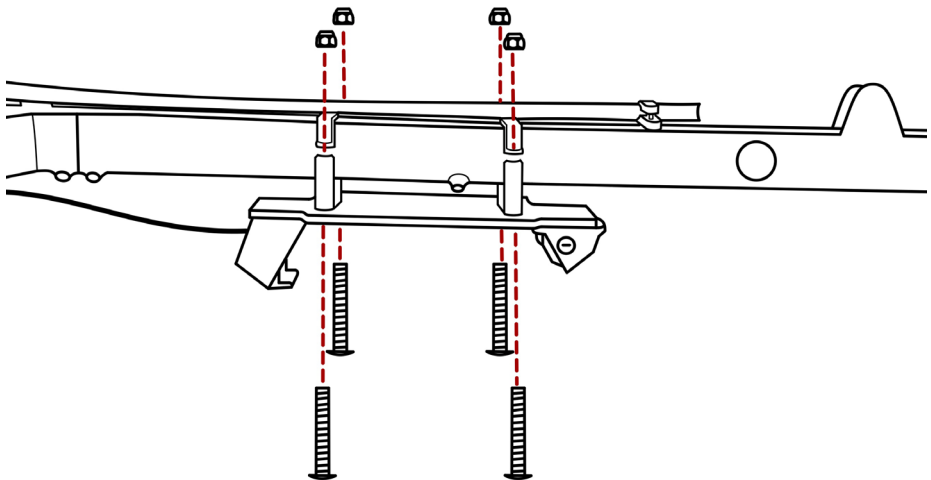
Use **red** positions



Frame placement - Rover

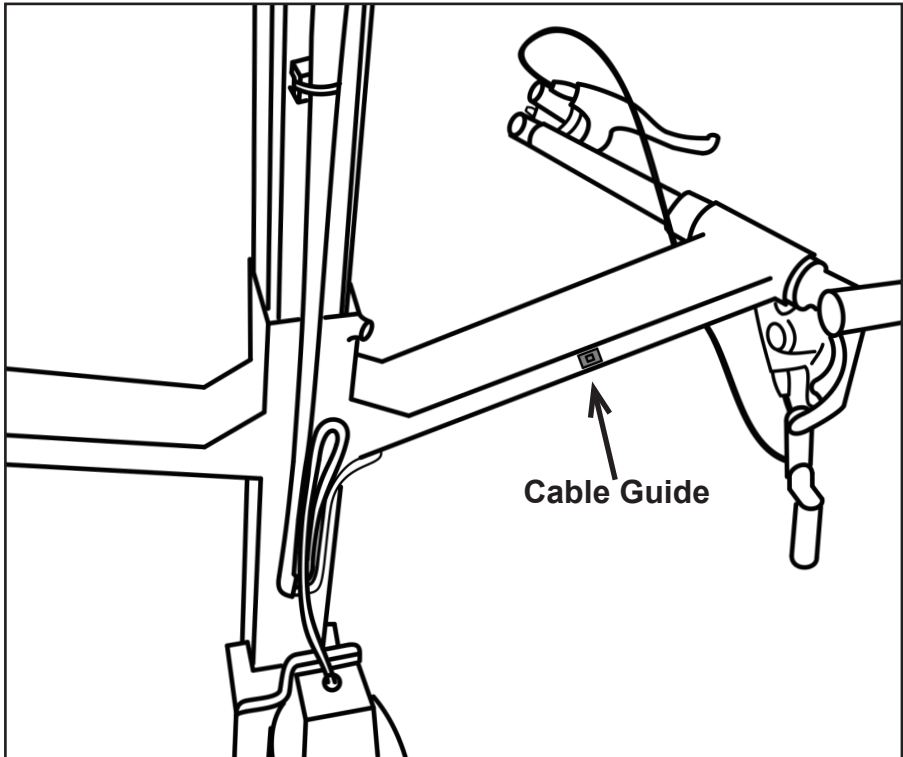


Frame placement - Rover Tandem



4

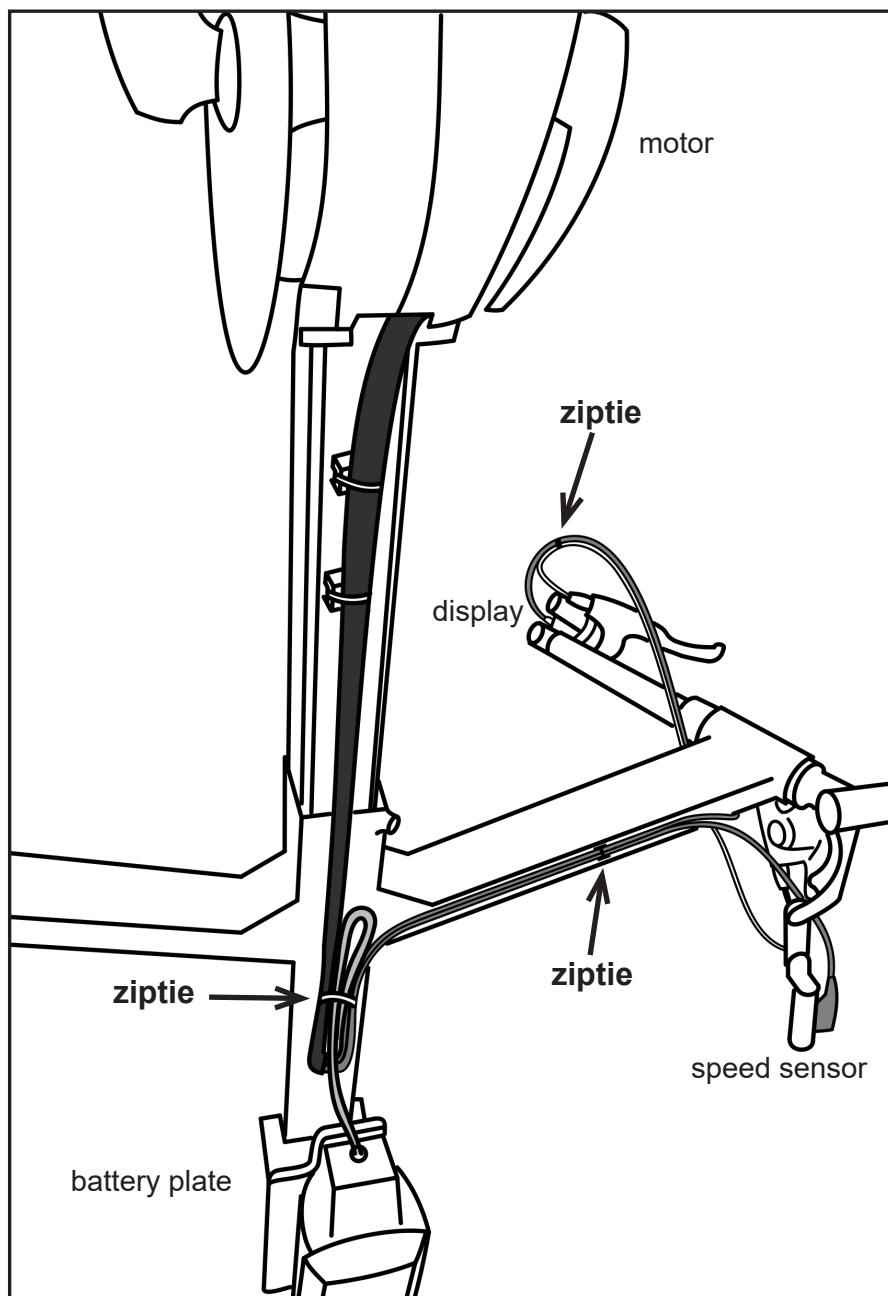
Apply cable guide to bottom side of left outrigger.



**NOTE: MODIFICATION OF WIRES WILL VOID WARRANTY.
DO NOT CUT AND SPLICE TO SHORTEN WIRES.**

5

Route wires according to diagram on following page. Using zipties, secure excess wires under mainframe, display wire to brake cable housing, speed sensor wire and display wire to outrigger cable guide. Do not over tighten zipties.



6

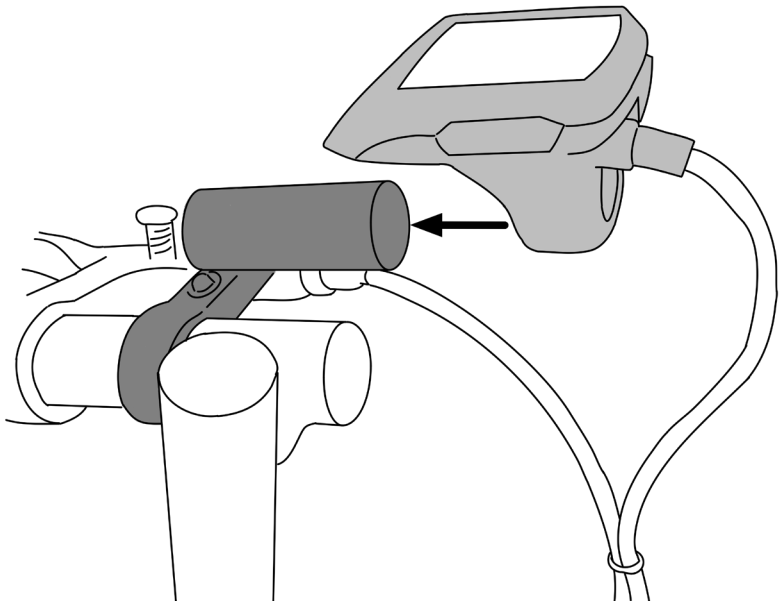
Reconnect tie-rod with the wiring between tie-rod and frame.

7

Reinstall chain and pedals.

8

Assemble display mount.
Attach display mount to left handlebar.
Mount Purion display and secure.



9

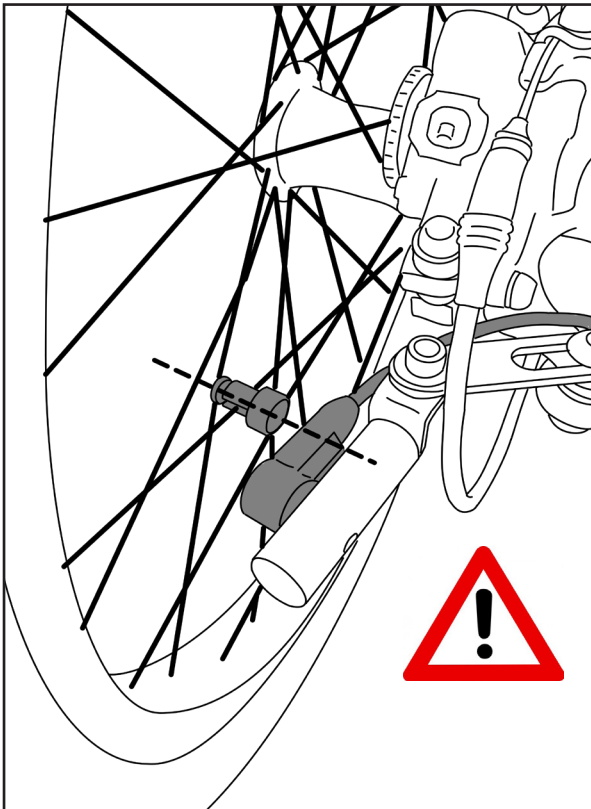
Mount speed sensor on computer sensor bracket.

Refer to diagram in step 5 for proper wire routing.

Install magnet on spoke.

Align magnet and marking on speed sensor.

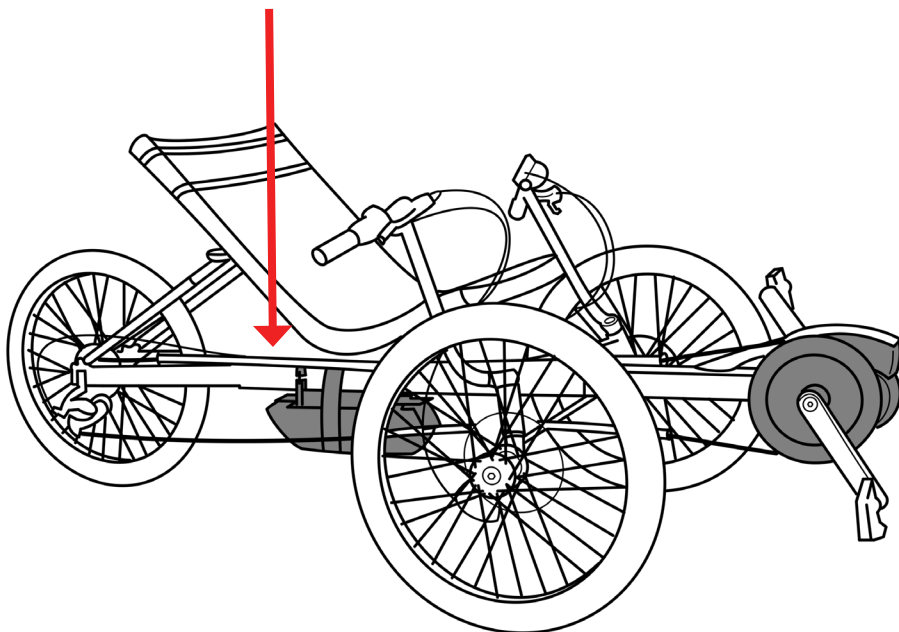
Please note: If your current computer sensor bracket does not have a mounting hole, replace it with the one included in the Boost Kit.



Ensure speed sensor wire is clear of brake rotor and any steering parts that could cause damage.

10

Affix Class 1 Sticker to mainframe. For Rover models, or trikes equipped with Sliding/EZ seats, affix behind seat clamp near chainstays.

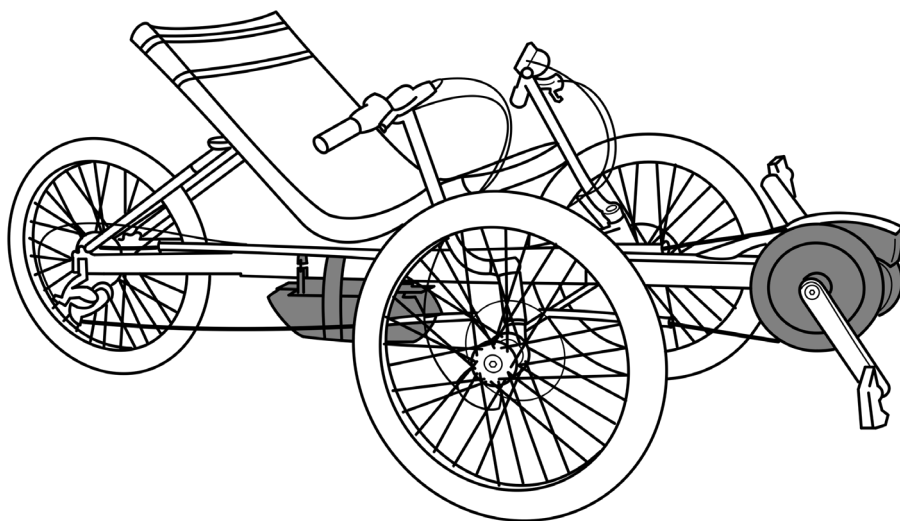


11

Charge the battery pack completely.
Secure battery to frame using included battery strap.

Instructions for charging are located on
TerraTrike's website at: www.terratrike.com/manuals

- Remember to double check your work.
- Test ride the finished product.
- Final step: Watch your customers smile with excitement as they test the intuitive power of the Boost Kit with Bosch Active Line Plus motor.



Item	Part No.
Bosch Boom (Rover)	TT000807
Battery 400wh	TT000748
Battery Cable	TT000749
Battery Mounts	TT000750
Battery Mounting Kit	TT000778
Battery Top Bracket	TT000771
Cable Management Tube	WC000079
Charger (2A)	TT000751
Charger Power Cord	TT000752
Purion Display	TT000753
Active Line Plus Drive Unit	TT000754
Abus Lock Cylinder	TT000766
Speed Sensor Kit	TT000755
Motor Cover	TT000756
Motor Mounting Kit	TT000757
Speed Sensor Cable	TT000758
Cable Guide	TT000823
Bosch Crankset	TT000767
Display Mount	TT600405

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