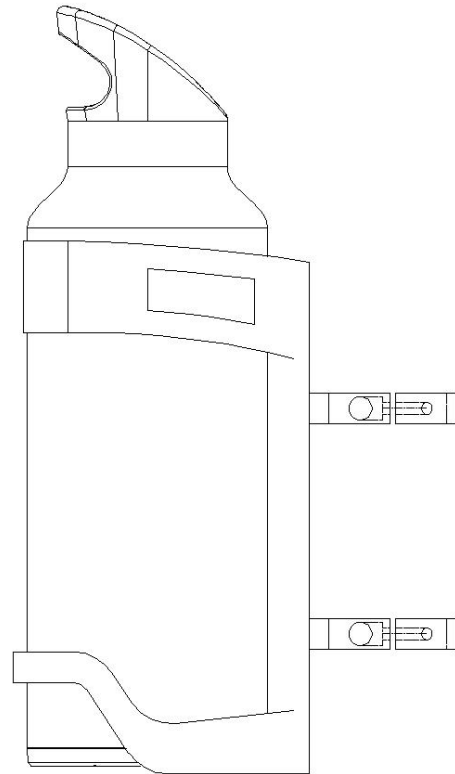


ADDITIONAL BATTERY USER MANUAL



Contents

Contacting Vanpowers	3
Parts and Tools	4
Diagram of City Vanture connection circuit	6
Installation	7
Safety Specification and Instructions	17
Danger Warning and Precautions	18
Maintenance	21
Warranty Terms	24
Service Info	28

Contacting Vanpowers

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CE UK CA FC RoHS MADE IN CHINA



VANPOWERS

Mega Power | At Ease

Parts and Tools

A: Additional battery pack

A1: Additional battery

A1-1: Power switch

A1-2: Output port

A1-3: Charging port

A1-4: USB

A1-5: Indicator light

A2: Battery holder

A3/A4: Connection brackets

B: Power cable

C: Dual power converter

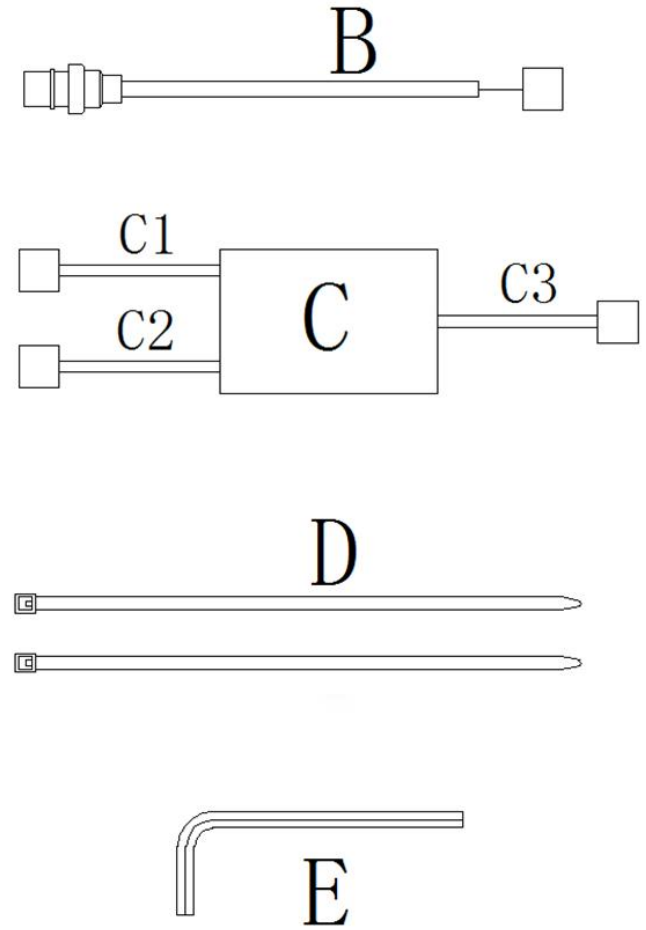
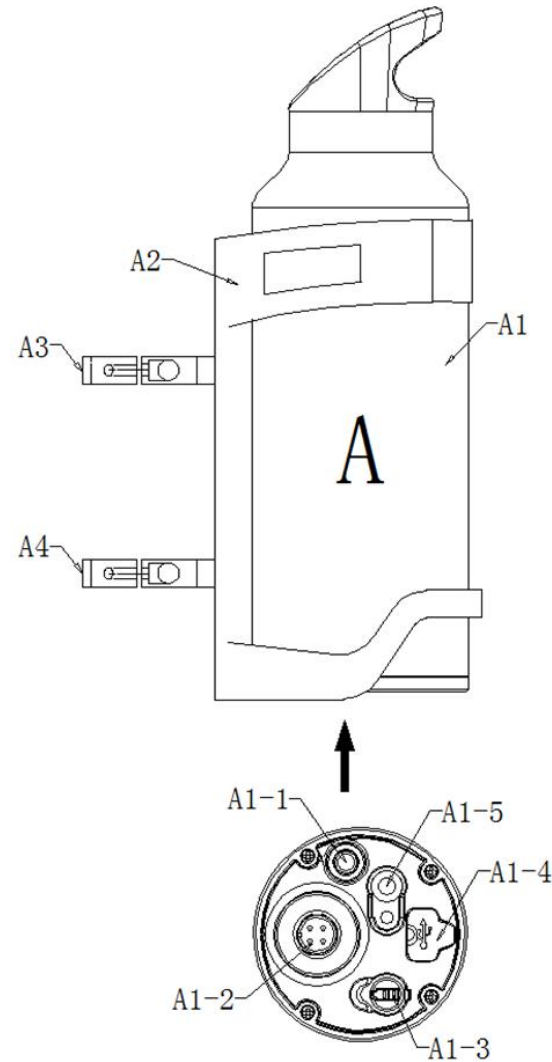
C1: Input power port 1

C2: Input power port 2

C3: Main power outlet

D: Cable tie * 2

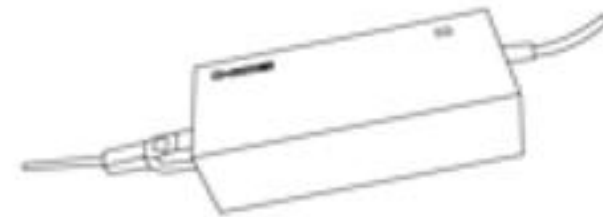
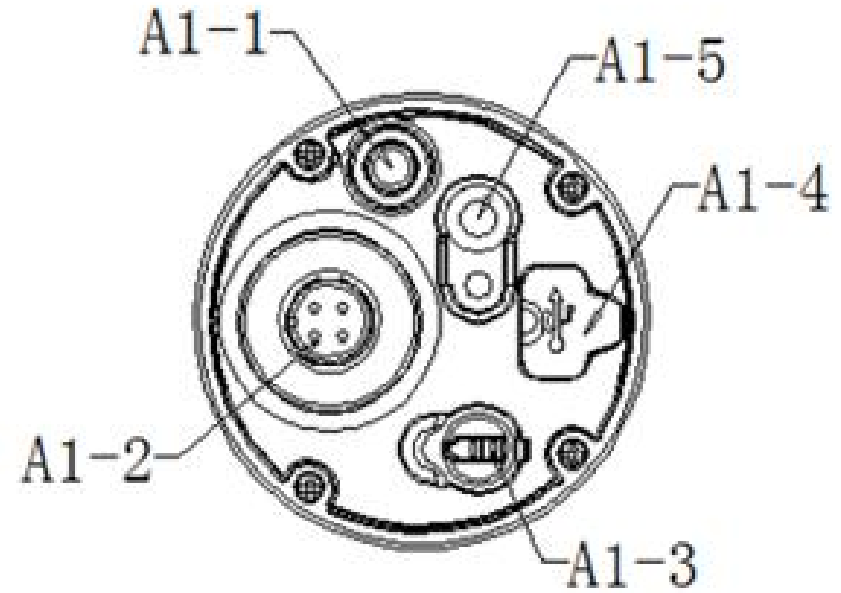
E: 0.12-inch (3 mm) Allen key



Notice:

A1-3: Charging port
Compatible for original charger of City
Vanture.

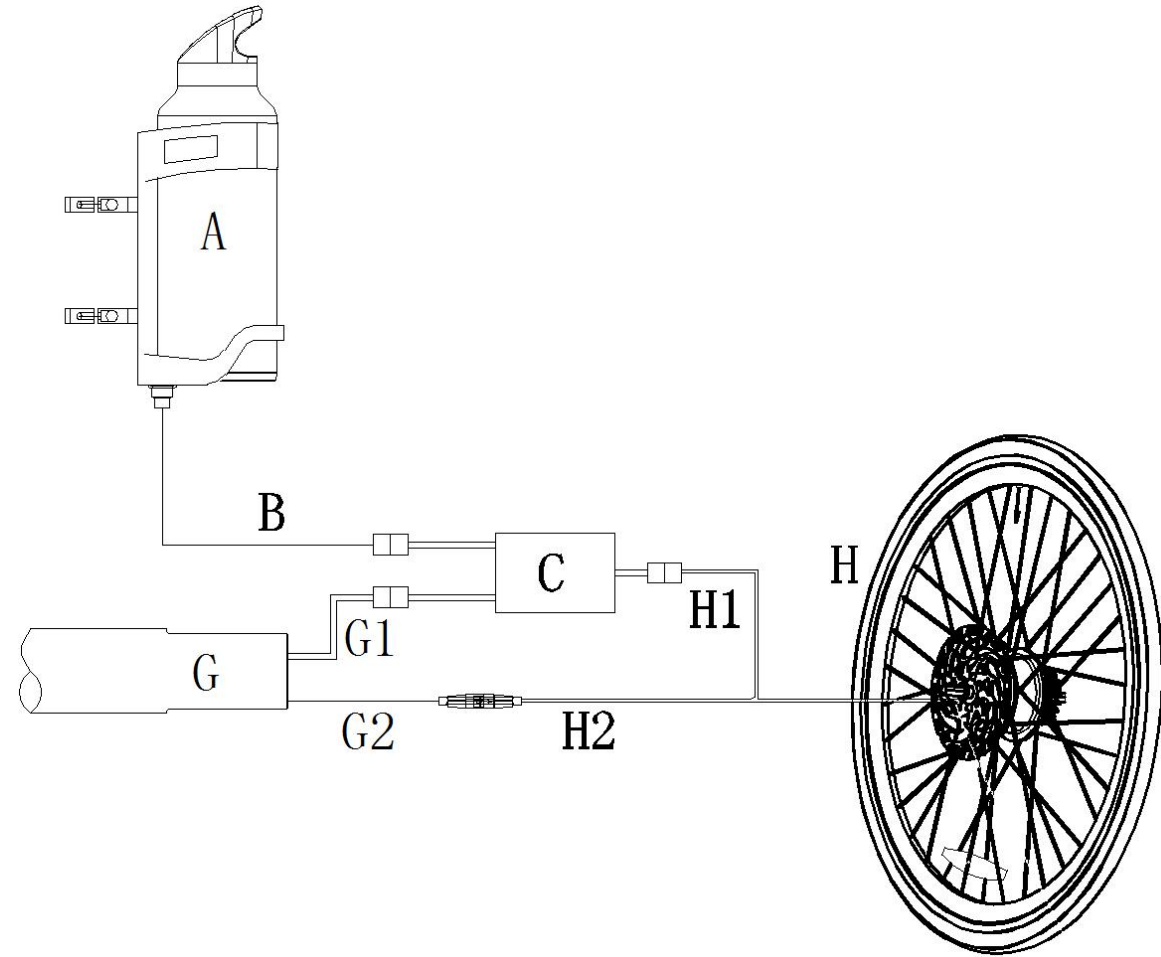
A1-5: Indicator light
The color of the indicator light can be
used to estimate battery power percentage:
Blue light: 65%-100%
Yellow light: 30%-60%
Red light: 5%-30%



Charger

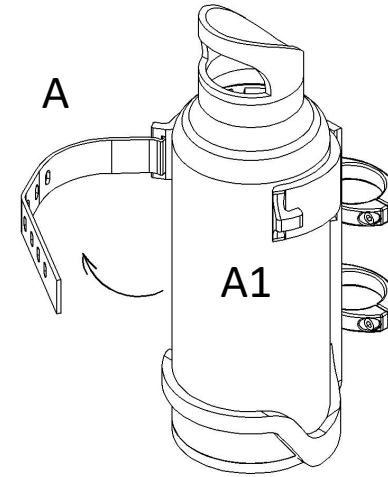
Diagram of City Vanture connection circuit

- A: Additional battery pack
- B: Power cable
- C: Dual power converter
- G: Original main battery
 - G1: Main battery output cable
 - G2: Main battery connection cable
- H: Rear wheel
 - H1: Rear wheel power input cable
 - H2: Rear wheel connection cable

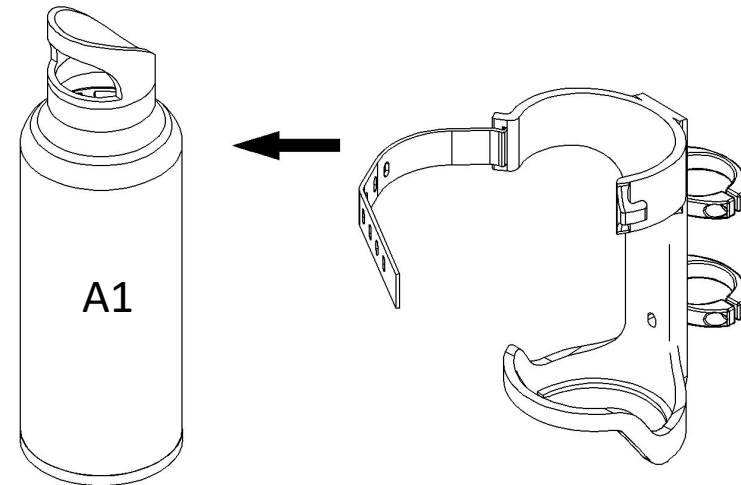


Installation

- Undo the strap on A (additional battery pack) in the direction of the arrow, as shown in the figure on the right.

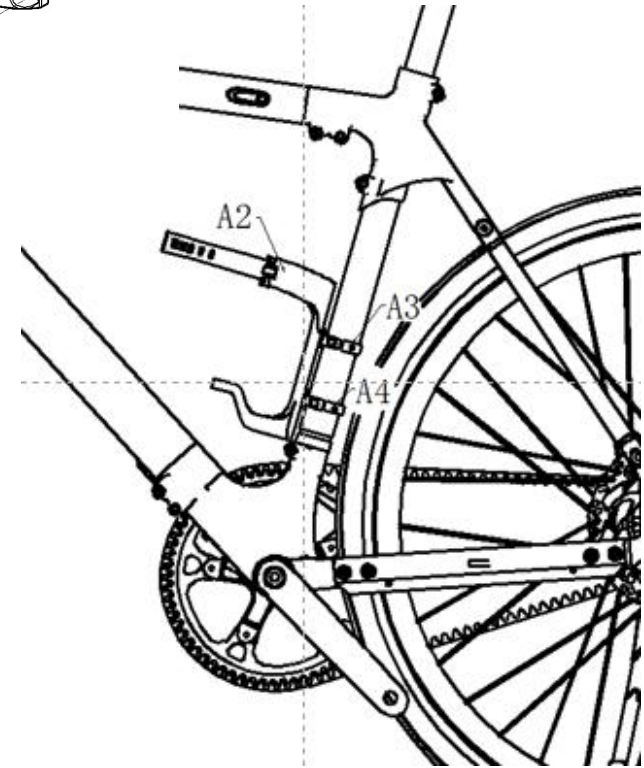
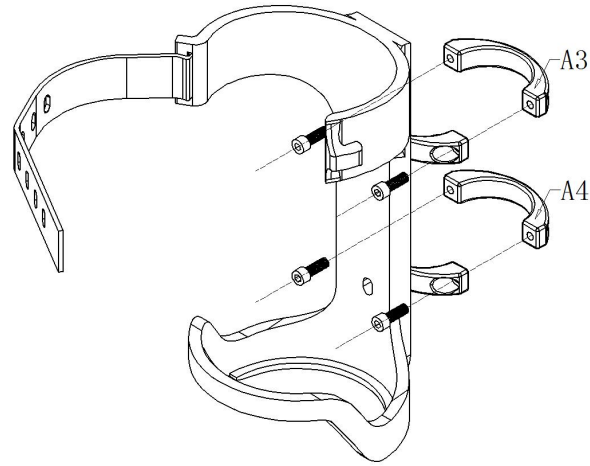


- Take A1 (additional battery) out of the holder.



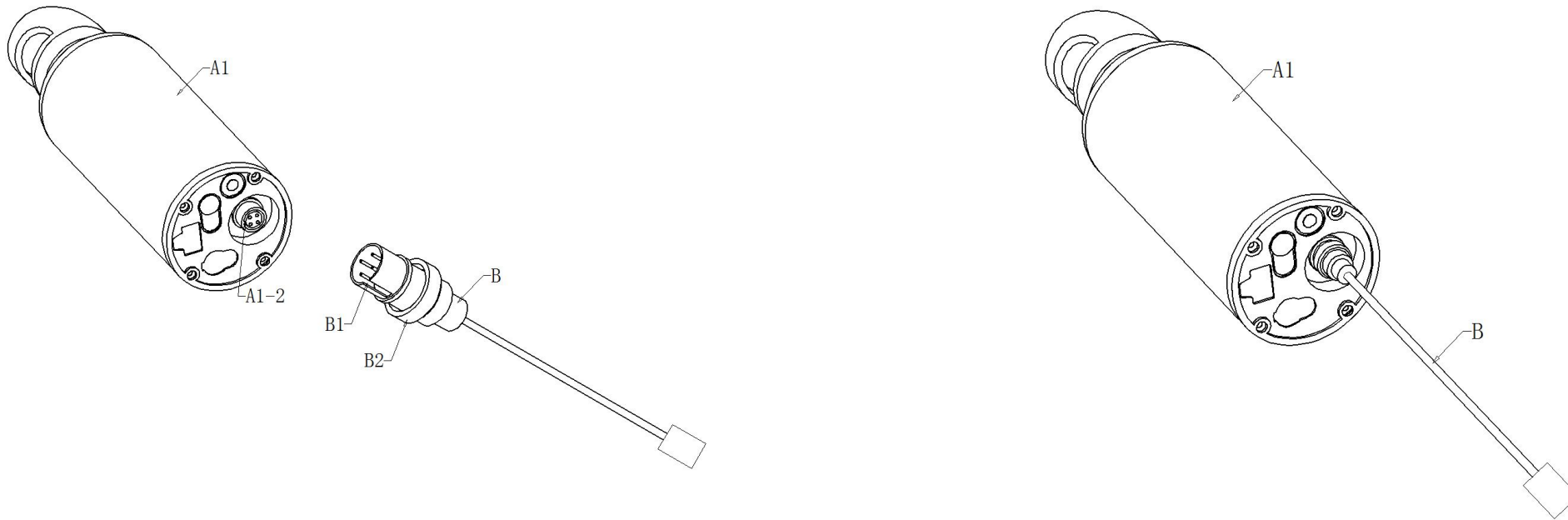
Installation

- Use a 3 mm Allen wrench to remove A3 and A4 from A, as shown in the figure on the right, then affix A onto the City Vanture's seat tube, as shown in the figure to the right.



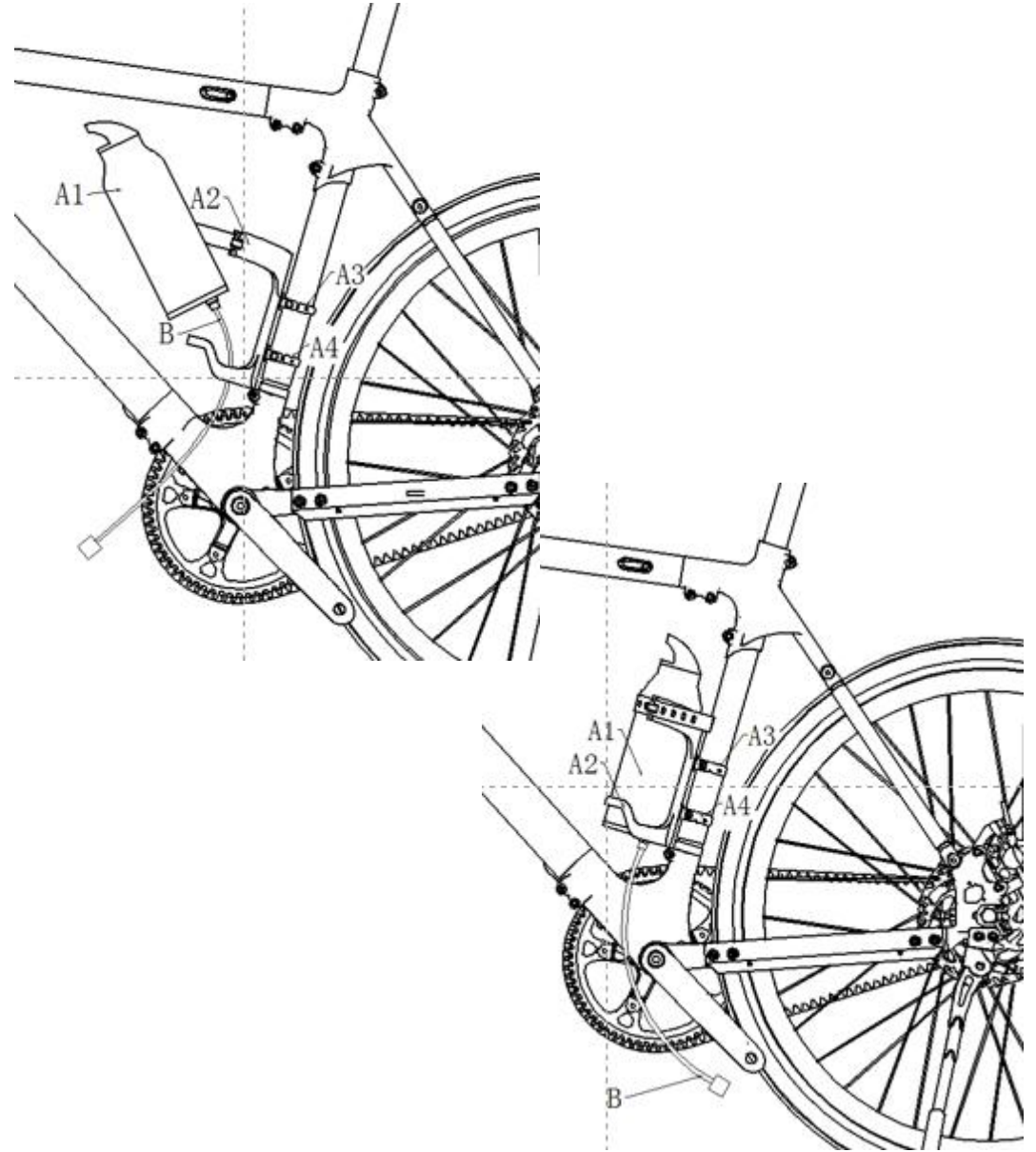
Installation

- Connect B (power cord) to A1 (additional battery), as shown in the left figure below. Note that B1 on B is a foolproof notch which needs to be aligned with the protrusion at A1-2 (additional battery output port) to fully insert B. After inserting it completely, lock B2 (nut) on A1-2. Once complete, it should resemble the right figure below.



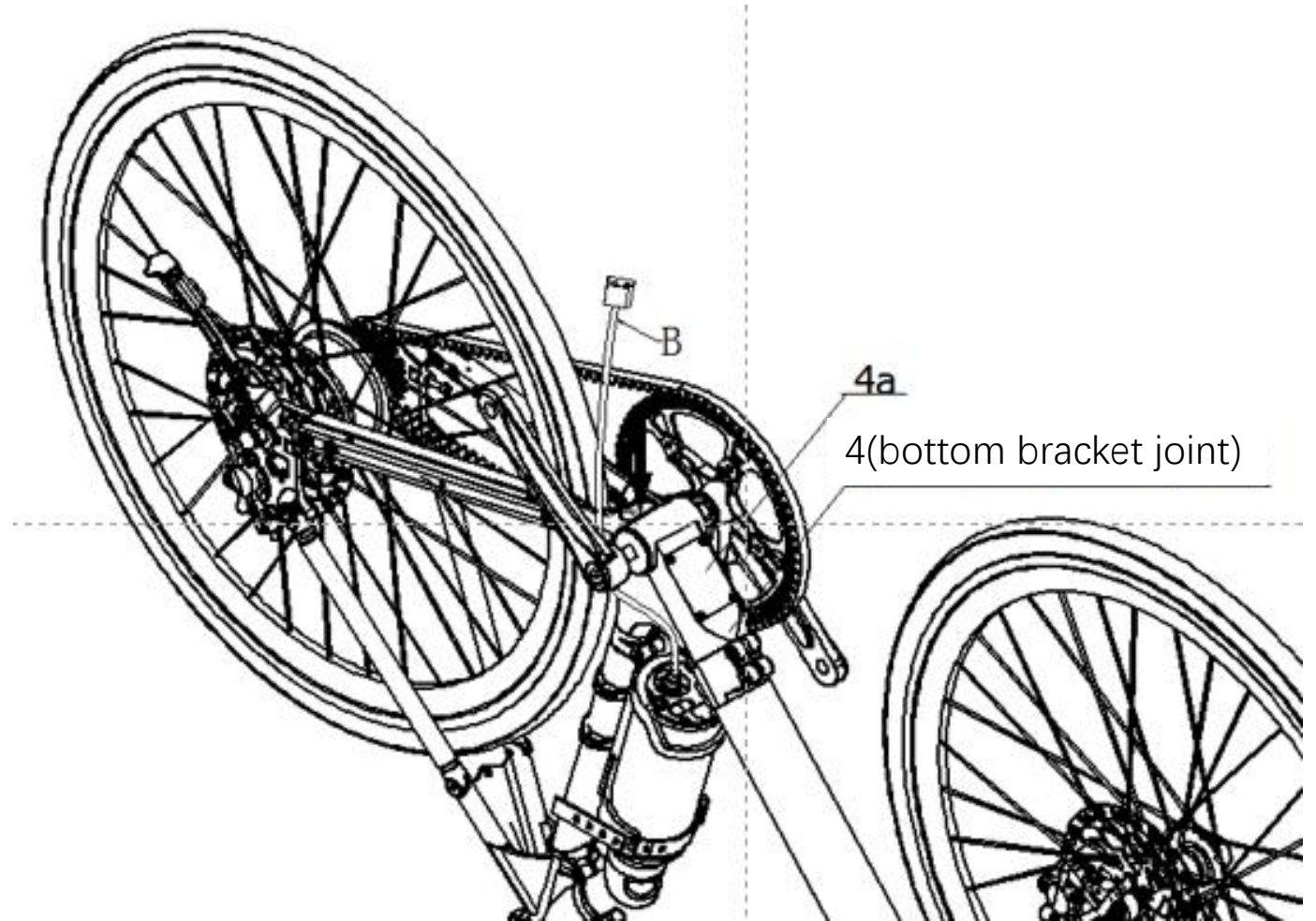
Installation

- Install A1 (additional battery) into A2 (battery holder).
 - a. First, pass B (power cord) into A1 from the bottom of A2, as shown in the figure on the right.
 - b. Then, put A1 into A2 and fasten the strap, paying attention to the direction of the battery handle, as shown in the figure on the right.



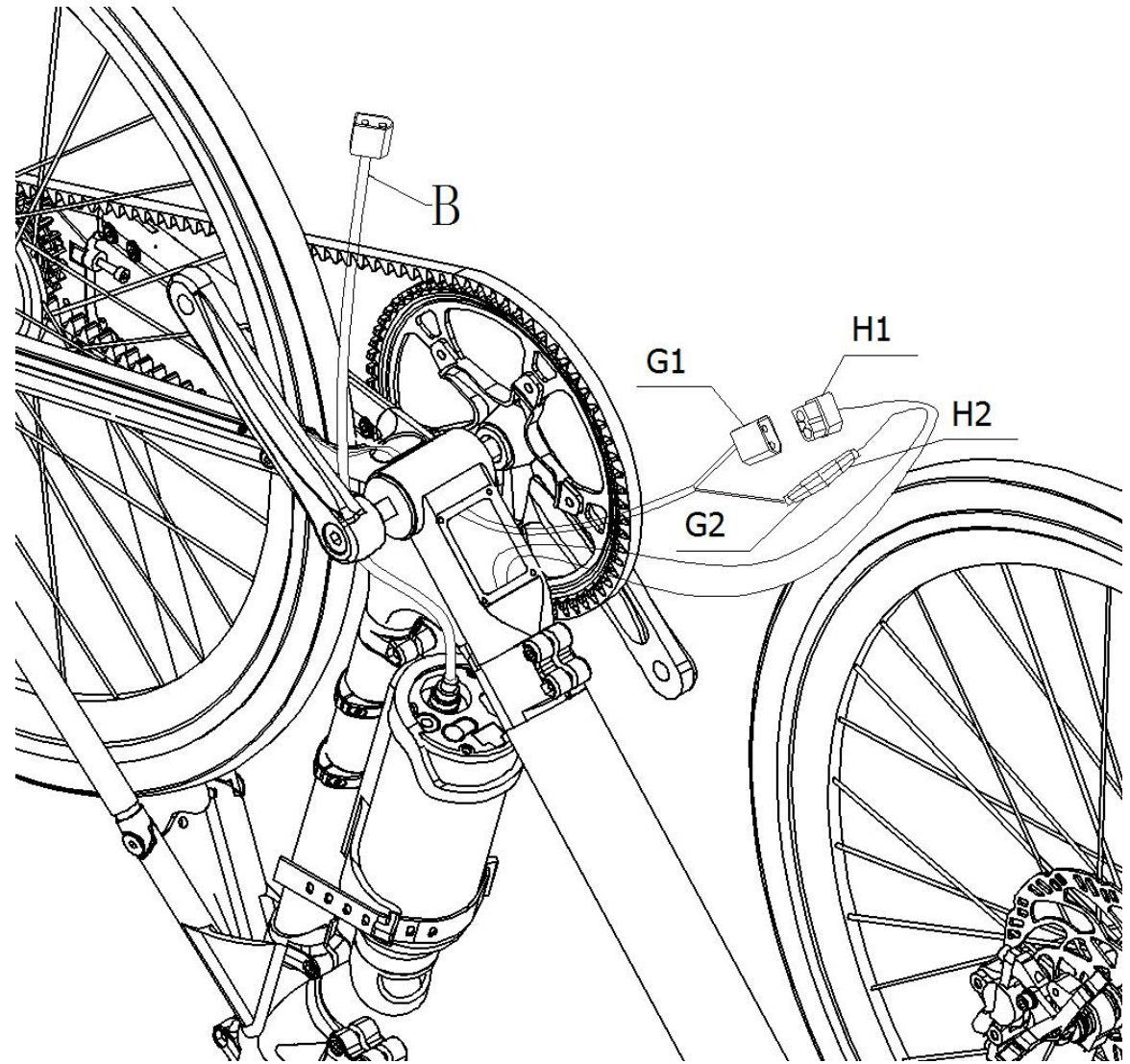
Installation

- Flip the whole bike over (note that the accessories on the handlebar must be protected after turning over; you may want to place a piece of foam or another soft material underneath). Use a 3 mm Allen wrench to remove the cover plate 4a from the bottom bracket joint, as shown in the figure on the right.



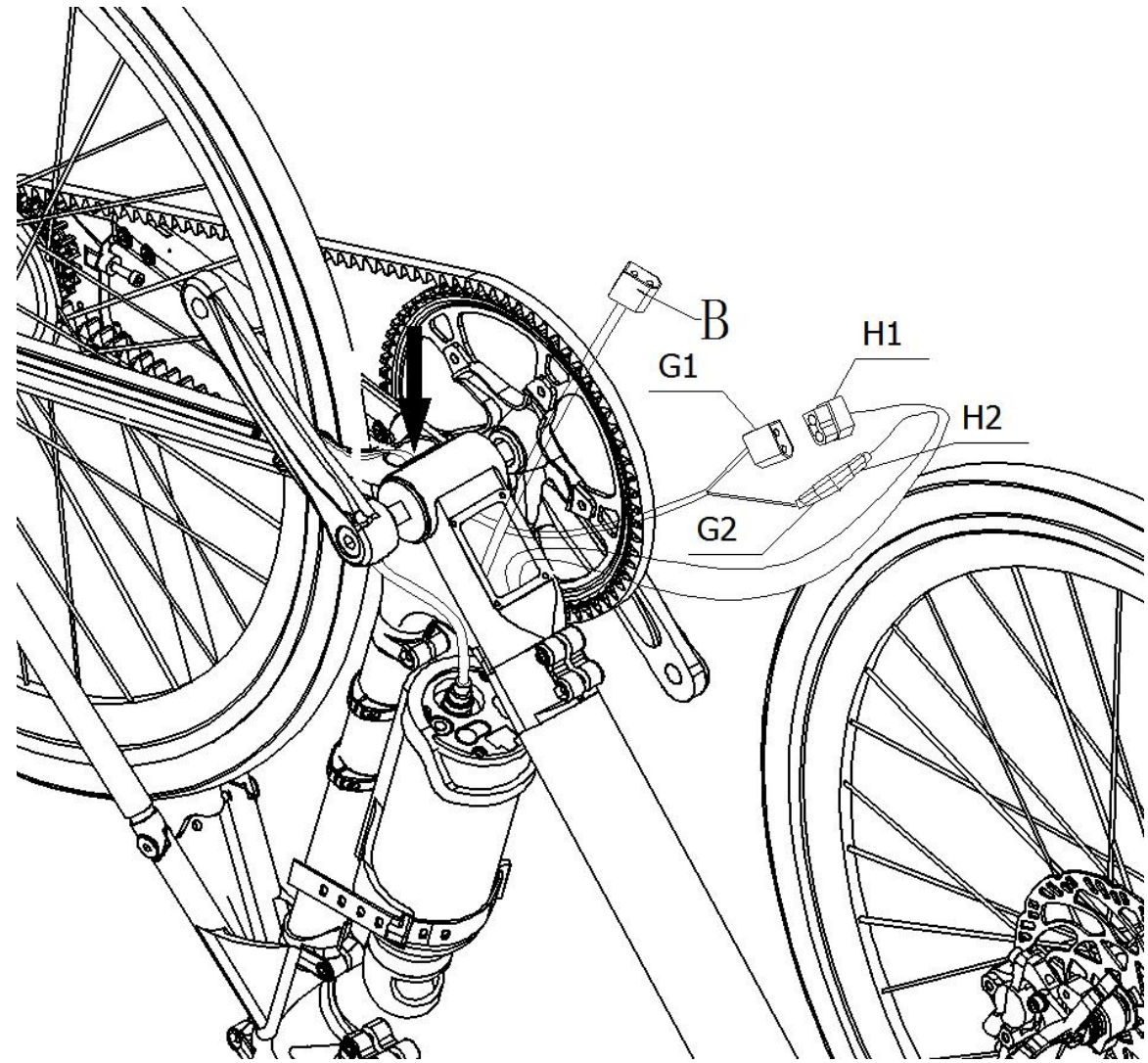
Installation

- After removing the cover 4a, pull out the cables inside and unplug the terminals of power wires G1 and H1 (note that the connection cables G2 and H2 do not need to be unplugged).



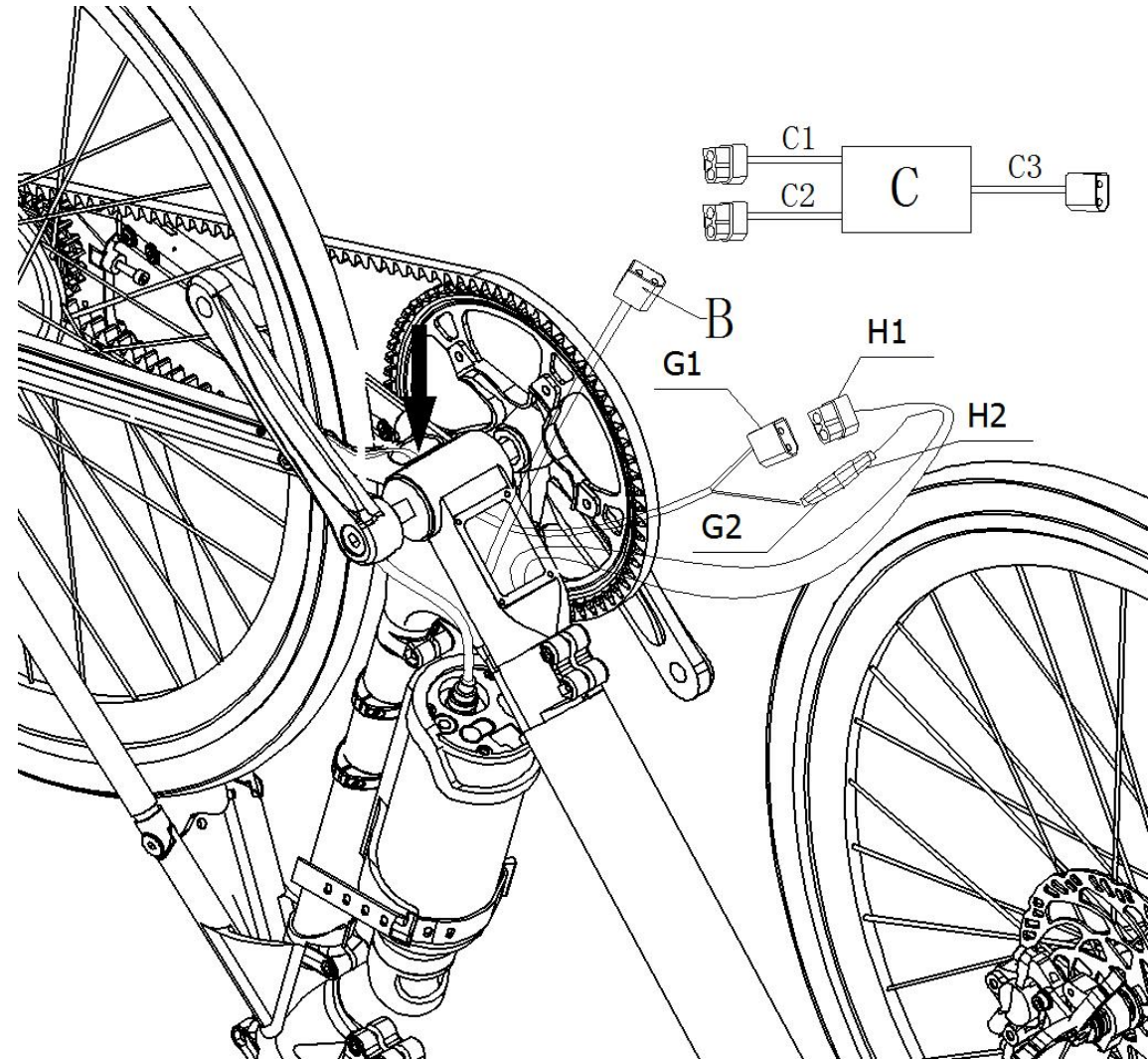
Installation

- Insert B (power cord) into A1 (additional battery), as shown by the arrow in the figure on the right, and pull it through the uncovered hole, as shown in the figure.



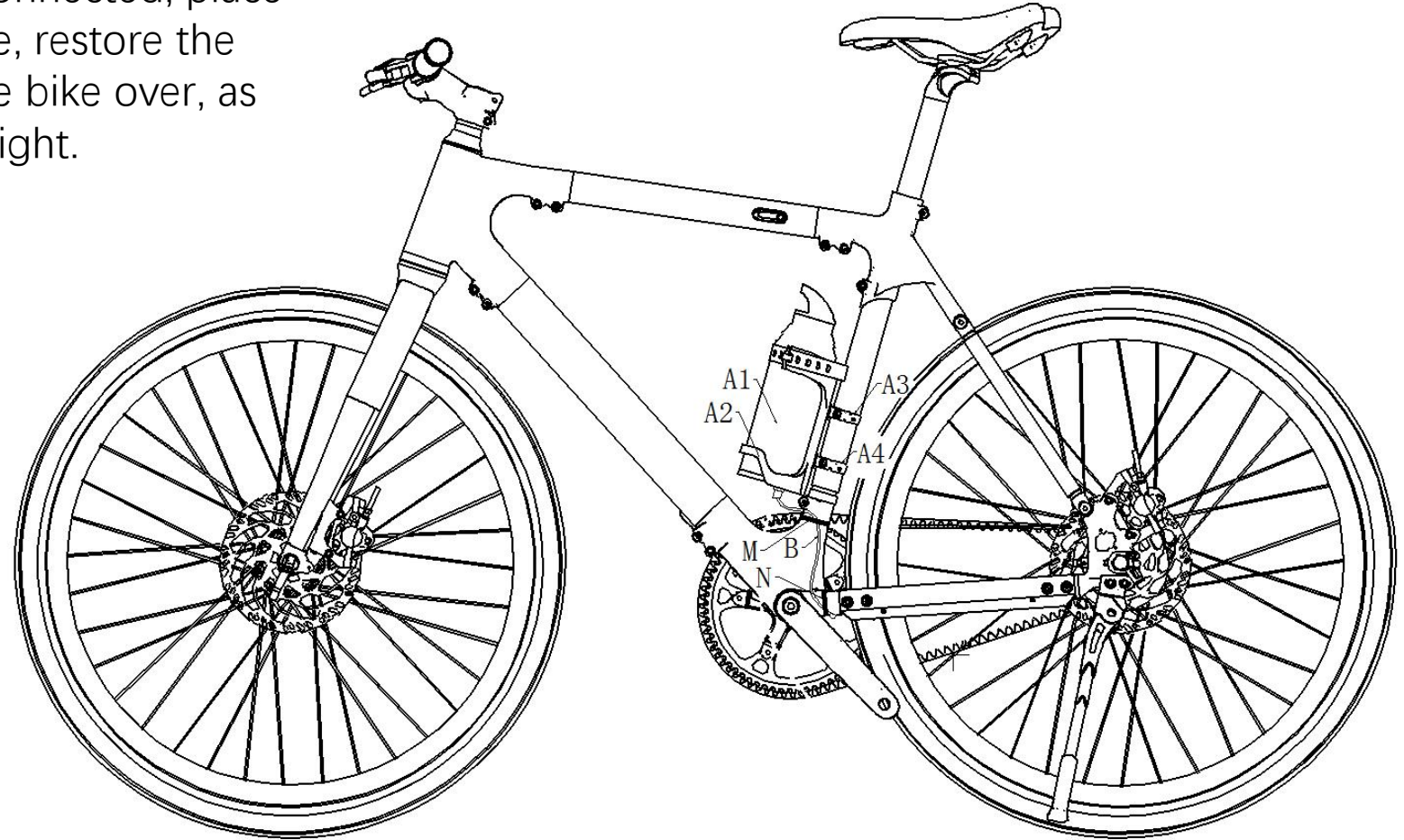
Installation

- Take the dual power converter C, as shown in the figure on the right, and connect C1 to B, C2 to G1, and C3 to H1.



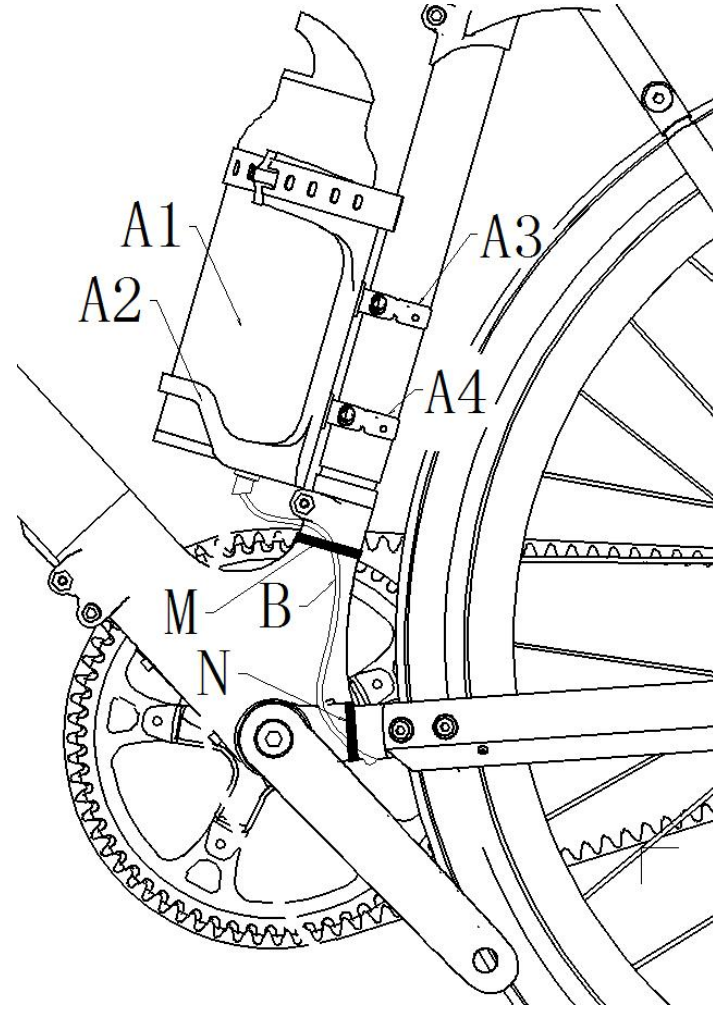
Installation

- After all cables have been connected, place them all back inside the hole, restore the cover 4a, and turn the whole bike over, as shown in the figure on the right.



Installation

- Use cable ties to tie down the exposed section of power cord B at points M and N.
- Use scissors to cut off any excess cable tie.
- Turn on the power switch at the bottom of A1 (additional battery).
- Open the control panel and verify circuit functions for the whole bike.
- Finished!



Safety Specification and Instructions



WARNING

- Please read the instruction manual and battery surface label carefully before using the battery pack.
- Please use battery pack in the normal environment.
- During use, keep away from heat source and high voltage, and avoid children playing with the battery pack! Don't drop it!
- Don't short-circuit the anode and cathode! Non-professionals don't dismantle/install the battery pack! Please don't let the battery be affected with damp, lest produce risk!
- Please store battery pack in good condition if not use it for a long time. Keep battery pack with a half-charged state. Please wrap the battery pack with insulation material to avoid damage caused by metal contact with the battery string. Store the battery pack in a ventilated dry place.
- Please dispose waste battery pack safely and properly, don't throw it into fire or water!

Danger Warning and Precautions



WARNING

- Battery pack can avoid danger with protection agency and protection circuit inside. Inappropriate dismantling/installation will damage the protective function, causing the battery to generate heat, smoke, deform or burn.
- Don't connect the anode and cathode of the battery pack with metal, and don't store or move the battery pack with metal. If the battery pack is short-circuited, it can cause large current to flow through the battery pack and damage it, causing it to heat, smoke, deform or burn.
- Heating and incineration of the battery pack will result in the melting of the battery pack separator, failure of the safety function, or electrolyte combustion. Overheating will cause a short circuit inside the battery pack, causing the battery to generate heat, smoke, deform or burn.
- Don't use battery pack near heat sources such as fire sources and ovens or in environments exceeding 75 °C. Overheating will cause a short circuit inside the battery pack, causing the battery to generate heat, smoke, deform or burn.

Danger Warning and Precautions



WARNING

- Don't wet battery or throw it into water. Otherwise, the internal protection circuit of the battery pack will fail and an abnormal chemical reaction will occur, which may cause the battery pack to generate heat, smoke, deform or burn
- Avoid charging near the fire or under direct sunlight. Otherwise, the internal protection circuit of the battery pack will fail or an abnormal chemical reaction will occur, which will shorten the life of the battery pack, or even cause it to fail, heat, smoke, deform or burn.
- Please use a dedicated charger and charge it properly. Using a non-dedicated charger to charge the battery is dangerous. Charging under abnormal conditions will cause the internal protection circuit of the battery to fail or an abnormal chemical reaction, which may cause the battery pack to heat, smoke, deform or burn.

Danger Warning and Precautions



WARNING

- It is forbidden to chisel the battery pack with metal, hammer or beat the battery, or damage the battery by other methods. Otherwise, the battery pack will heat, smoke, deform or burn, or even be dangerous.
- It is strictly forbidden to connect battery directly to the power socket. High voltage and large current flowing through the battery will damage the battery pack, or cause it to heat, smoke, deform or burn.
- Don't use battery pack for other non-compatible tools.
- Inappropriate condition will damage the performance of battery pack, reduce the life span, even will cause the battery pack to heat, smoke, deform or burn.

Maintenance

Battery

It's essential to follow these instructions and safety tips in order to preserve the longevity of your battery's life and ensure proper performance.

- Fully charge the battery before each ride to ensure it is ready to go the entire trip. It will help reduce the chance of overdischarging the battery.
- If the battery becomes physically damaged or non-functional, if it has been dropped or involved in a crash, or if you notice that it is performing abnormally, please discontinue use and contact the seller immediately.

Charging your battery

- The charger is rated for 100–240V. Be sure to check the charger, the charger cables, and the battery for damage before beginning each charge.
- Charging takes about 3–4 hours. On rare occasions, it may take longer to fully charge the battery, particularly when the bike is new or left unused for a long time.
- Only charge the battery with the supplied charger, as others may cause damage to the battery or increase the possibility of fire or explosion.
- While the charger is designed to automatically stop charging once the battery is full, do not leave it plugged in for more than 12 hours.
- Make sure your charger is isolated from liquids, dirt, and debris.

Maintenance

Charger notes

- The charger may get hot when using. However, if it gets too hot or you notice a strange smell or other indications, it may possibly be caused by overheating. Immediately stop use and contact the seller.
- Do not cover the charger when using it.
- Do not open the charger or alter the voltage input.
- If there appears to be an issue with the charger or battery, stop riding and contact the Service Center immediately.

Maintenance

Balancing your battery

When you first receive your bike, it is important to follow these steps to ensure that your battery cells are properly balanced in order to keep them as efficiently as possible.

For the first initial charge upon receiving your bike (or after prolonged storage time), be sure to charge the battery for at least 4 hours before riding.

Note: We recommend letting the battery charge for at least 4 hours for the first three charges to ensure that the cells balance properly.

After the first three rides, you may begin routine charging procedures.

Storing your battery

If you plan on storing your bike (or spare battery) for longer than two weeks, please be sure to follow these guidelines to maintain your battery's lifespan.

1. Periodically check the battery and be sure to keep the charge up to at least 80%.
2. Store your battery in a cool, dry place at a temperature between 50 °F and 77 °F (10 °C–25 °C).

Failure to follow proper battery care can result in unnecessary damage to the components, battery, and charger, leading to underperformance or malfunction. Loss of battery capacity is not covered by warranty.

Warranty Terms

LENGTH OF WARRANTY

Every additional battery has a useful product lifespan. This limited warranty does not suggest or imply that the frame or components can never be broken or will last forever. This limited warranty covers manufacturing defects that occur within the normal lifespan and use of the product.

Other components are covered by the stated warranty, if any, of their manufacturer, and they are not covered under this limited warranty.

Parts	Warranty Period
ADDITIONAL BATTERY	18 months

Warranty Terms

WARRANTY CONDITIONS

- This limited warranty applies only to additional battery purchased in assembled and adjusted condition from authorized Vanpowers Bike retailers.
- This limited warranty applies only to the original owner of the additional battery and is not transferable to subsequent owners.
- The original receipt of purchase is required to establish proof of purchase and must be provided to Vanpowers Bike for any claims. Vanpowers Bike will require customers to complete a mandatory standard procedure for warranty claims that will involve media such as photos and videos to help Vanpowers Bike establish the fault with the product. Only the individual components themselves are covered by the warranty. The removal, assembly, and tuning requirements of the components are borne by the customer making the claim. The costs and inconvenience that result from a loss of use of the product are not covered whilst the warranty procedure takes place.

Warranty Terms

WARRANTY CONDITIONS

- Damage resulting from normal wear and tear, including the results of fatigue, is not covered. It is the owner's responsibility to regularly inspect and properly maintain his/her additional battery.
- Paint fading caused by the effects of ultraviolet light (UV) or outdoor exposure is not covered by this limited warranty.
- All labor charges for warranty service, including the transfer of components and/or any installation of new components, are the responsibility of the bicycle owner.
- Due to product evolution and obsolescence (such as products that have been discontinued or are no longer kept in stock), some components may not be available for older models. In these cases, Vanpowers Bike may elect to provide a replacement that it determines to be the most nearly comparable model, but sourcing and paying for components is the responsibility of the additional battery owner.
- All determinations under this limited warranty will be made at the sole discretion of Vanpowers Bike, including but not limited to the decision to repair or replace a defective product and what replacement product is the most nearly comparable product then available.

Warranty Terms

WARRANTY EXCLUSIONS

This warranty does not cover:

- Damage or failure from abuse, neglect, misuse, or accident.
- Damage from stunt riding; ramp jumping; acrobatics; competitive events, such as bicycle racing, bicycle motocross racing, or similar activities; or any activity that is not consistent with the intended use of the product.
- Damages resulting from improper charging of the battery pack or use of any charger not supplied by Vanpowers Bike.

All warranties are void if the additional battery is subjected to abuse, neglect, improper repair, improper assembly, lack of proper maintenance according to the owner's manual, alteration, modification, installation of incompatible parts, corrosion, an accident, or other abnormal, excessive, or improper use. Additionally, this warranty does not cover damage associated with commercial use.

Service Info



WARNING

- TECHNOLOGICAL ADVANCES HAVE MADE BICYCLES AND BICYCLE COMPONENTS MORE COMPLEX, AND THE PACE OF INNOVATION IS INCREASING.
- IT IS IMPOSSIBLE FOR THIS MANUAL TO PROVIDE ALL THE INFORMATION REQUIRED TO PROPERLY REPAIR AND/OR MAINTAIN YOUR BICYCLE.
- To help minimize the chances of an accident and possible injury, you must have any repair or maintenance, including those not specifically described in this manual, performed by a professional. Equally important is that your individual maintenance requirements will be determined by everything from your riding style to geographic location.
- Consult a professional for help in determining your maintenance requirements.



WARNING

- MANY BICYCLE SERVICE AND REPAIR TASKS REQUIRE SPECIAL KNOWLEDGE AND TOOLS.
- Do not begin any adjustments or service on your bicycle until you have learned from a professional how to properly complete them. Improper adjustment or service may result in damage to the bicycle or in an accident which can cause serious injury or death.