Banff

ASSEMBLY MANUAL

eProdigy™

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Hello

Thank you for choosing eProdigy Bikes. It is our mission to provide you with the latest in electric propulsion technology, and inspire the joy of riding worldwide one cyclist at a time. Your *Banff* is designed with some of the most innovative industry thinking to provide you with the safest, most efficient and thrilling experience. Should there be any time you are unsure about the maintenance or service process please contact your dealer for immediate assistance. We hope you enjoy your new electrical assist bicycle, as much as we love to ride ours.

IMPORTANT: This document is meant to be used in conjunction with the *eProdigy User Manual* please read this *Banff Assembly Manual* together with the User Manual carefully to protect yourself, your bike and to ensure you can safely enjoy the full performance of the product.

Note: It is strongly recommended to have your bicycle examined by a professional mechanic prior to riding.

eProdigy Technical Support can be reached by email at **support@eProdigyBikes.com** or by phone at **1-888-928-9328 ext. 2**

GENERAL WARNING

This manual contains numerous "cautions" and "warnings", please pay attention to these as they directly impact either the proper use of the bicycle, avoiding potentially hazardous situations, or general safety. The **WARNING** labels must be paid special regard to, failure to do so may result in serious injury or death.

•The combination of the safety alert symbol ⚠ and the word **WARNING** indicates a potentially hazardous situation which, if not avoided, could result in serious injury or death.

•The combination of the safety alert symbol ⚠ and the word **CAUTION** indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury, or is an alert against unsafe practices.

•The word **CAUTION** used without the safety alert symbol indicates a situation which, if not avoided, could result in serious damage to the bicycle or render your warranty void.

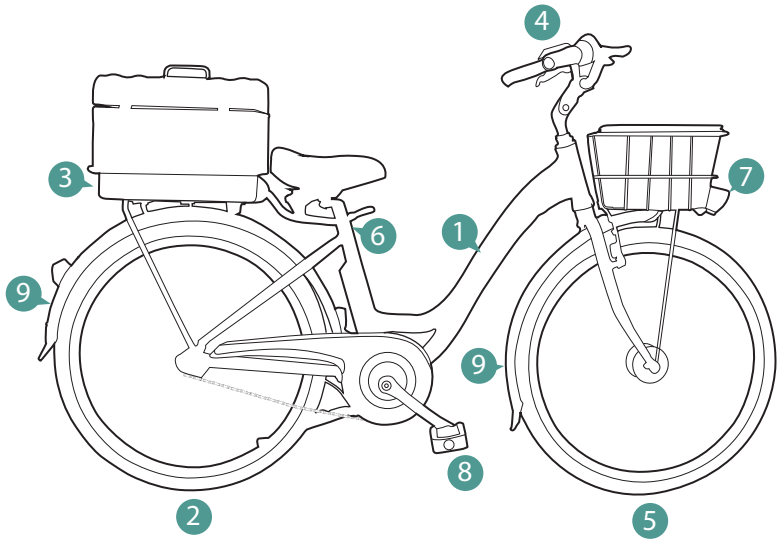
- Do not add a motor to the product.
- Do not tow the product.
- Do not modify the product.
- Replace worn or broken parts immediately.
- If anything does not operate properly, discontinue use.

THE TOTAL PACKAGE

Check that your eProdigy package is correct, complete, and undamaged.

Your eProdigy package should contain the following:

1. eProdigy Bicycle frame
   with a Coaxial Bottom Bracket Motor™ installed
2. Rear wheel
3. Rear-rack battery mount
   with 2 keys installed
4. Handlebars with control panel display
   throttle, shifter, and grips installed
5. Front wheel
   with front Dynamo Hub installed
6. Seat post
   with saddle installed
7. Headlight
8. Pedals
9. Front + Back fenders



Note

The Li-Ion battery & charger is shipped separately for safety purposes.

If you ordered Baskets or other accessories, they will shipped to you in a separate parcel as well.

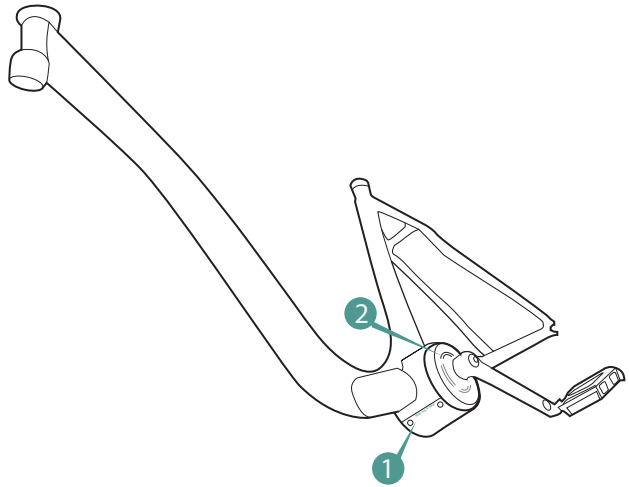
OWNER'S IDENTIFICATION

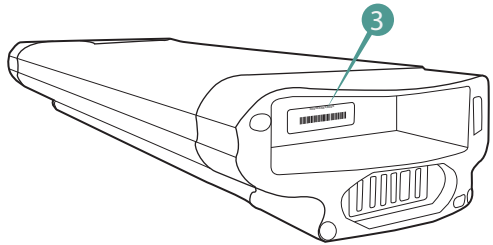
Each eProdigy bicycle frame, motor and battery has a unique serial number. The 1 Bike Frame Serial Number 2 Motor Serial Number and the 3 Battery Serial Number can be seen as shown here.

Write these numbers below to keep for future reference. If the bicycle is stolen, these serial numbers may help in retrieving the lost bike.

Frame Serial Number _____
Motor Serial Number _____
Battery Serial Number _____
Purchase Date _____
Model Name _____
Dealer _____

Note
This information is only available on your products.
It is not available from eProdigy





RECOMMENDED TOOLS

Our very own eProdigy technical team recommends the following tools to assemble the *Banff* eBike

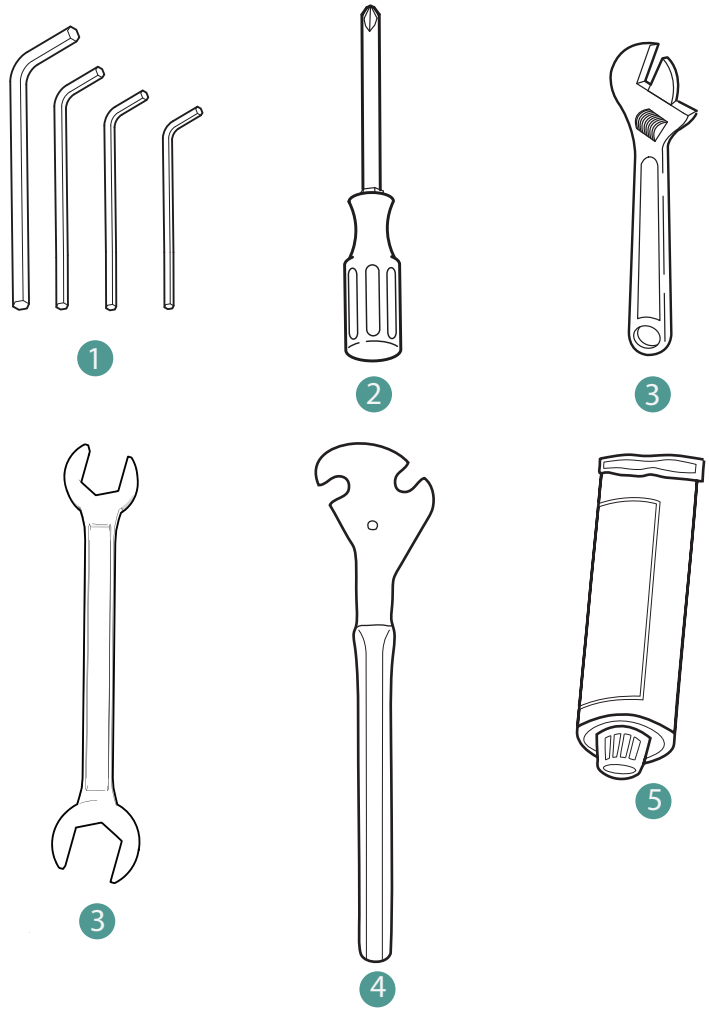
1. 2.5mm, 3mm, 4mm, 5mm and 6mm Allen keys
2. Phillips screw driver
3. Crescent wrench and/or 10mm wrench
4. 15mm Pedal wrench
5. Bicycle grease

⚠ WARNING

Keep small parts away from children during assembly

Note

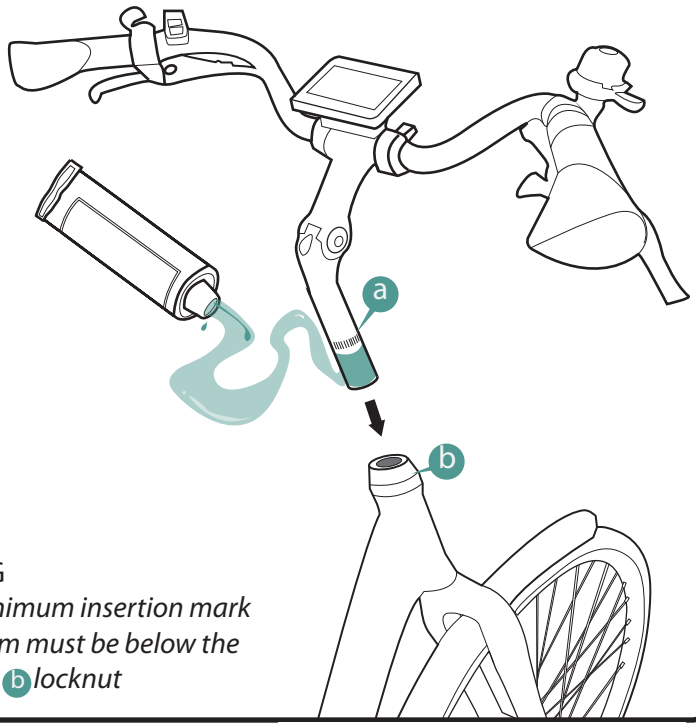
Do not dispose the carton or packaging until the assembly of the bicycle is complete. This can prevent accidentally discarding parts of the bicycle.



HANDLEBAR + STEM INSTALLATION

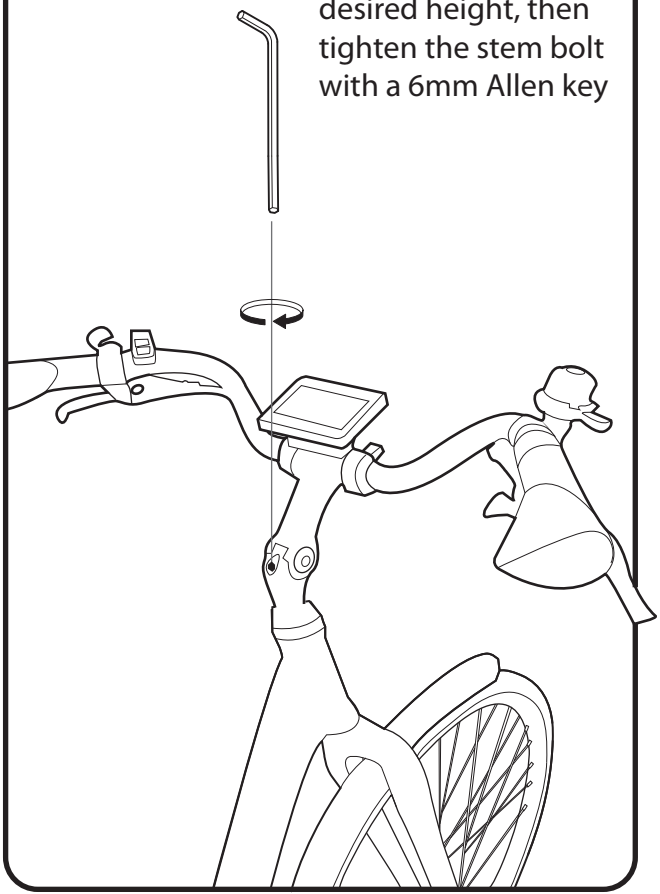
Use a 6mm Allen key and bicycle grease

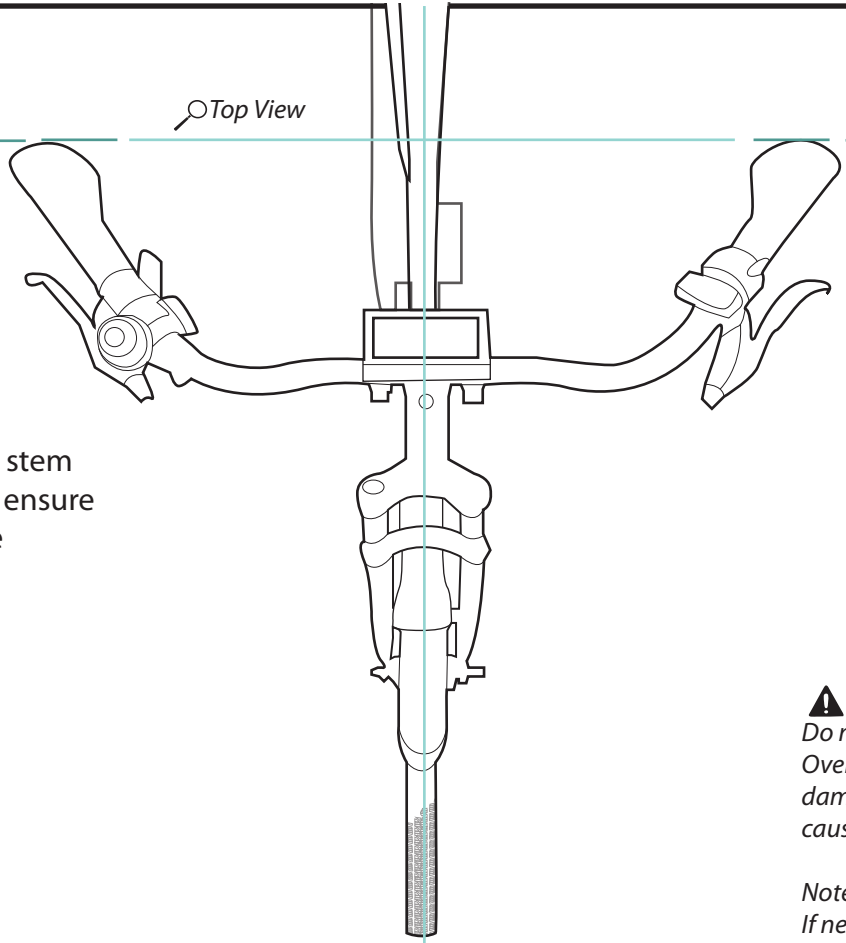
1. Apply some bicycle grease on the stem bottom where it inserts into the fork



⚠ WARNING
the (a) minimum insertion mark on the stem must be below the top of the (b) locknut

2. Adjust stem to the desired height, then tighten the stem bolt with a 6mm Allen key





3

Make sure to align the stem with the front tire and ensure the stem bolt is secure

⚠ *WARNING*
Do not over tighten the stem bolt. Over tightening the stem bolt can damage the steering system and cause loss of control

Note
If necessary, re-adjust handlebar

FRONT FENDER + LIGHT INSTALLATION

Use a 3mm Allen key, 5mm Allen key, Crescent wrench, a Phillips screw driver

Front fender attaching hardware has been pre-assembled onto the fork

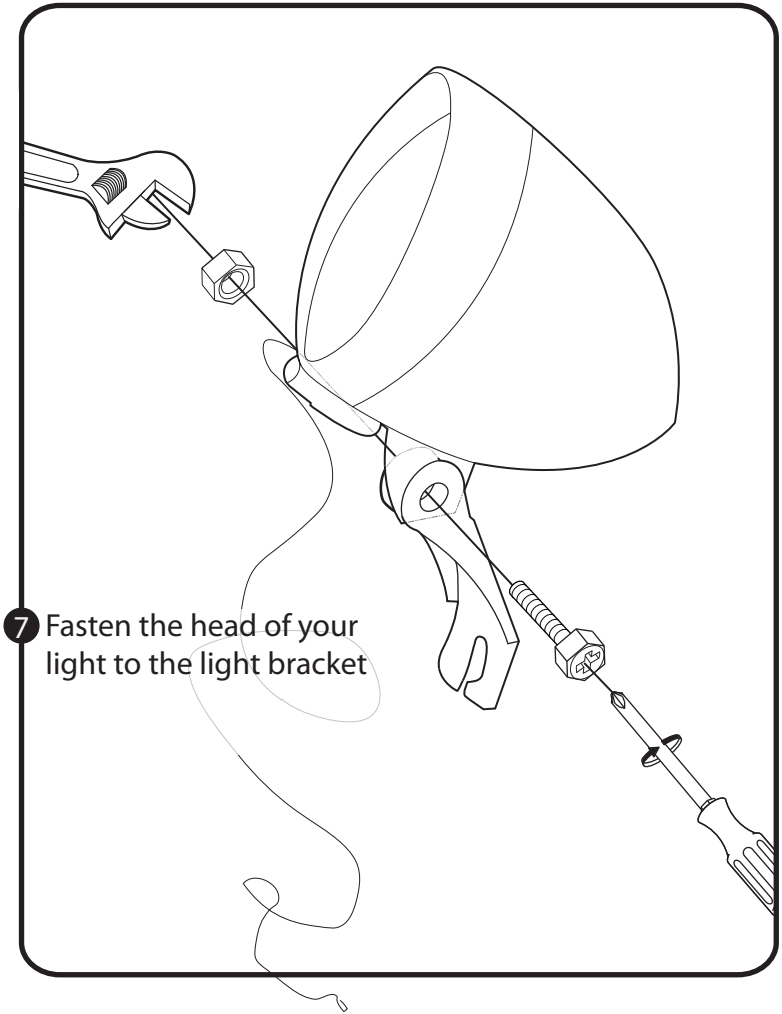
4 Remove the nut from the fork crown

5 Place the fender in the fork. Secure the C fender mount in the highest position on the mounting tab

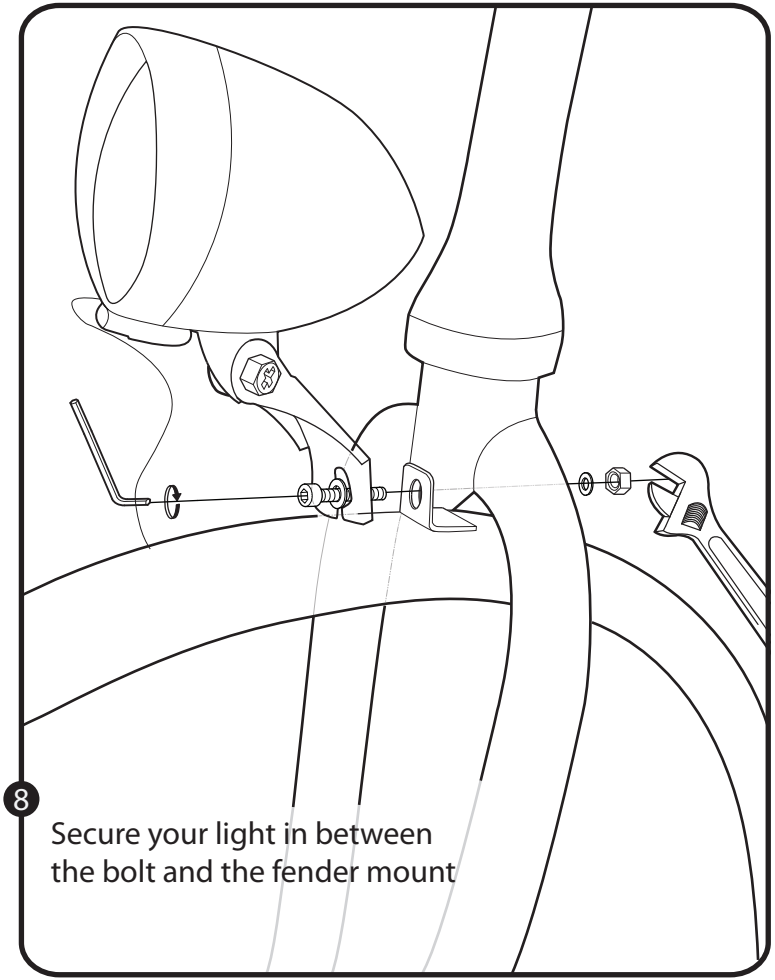
6 Loosely fasten the bolt and nut with a 5mm Allen key and a 10mm wrench

Back View

C



7 Fasten the head of your light to the light bracket



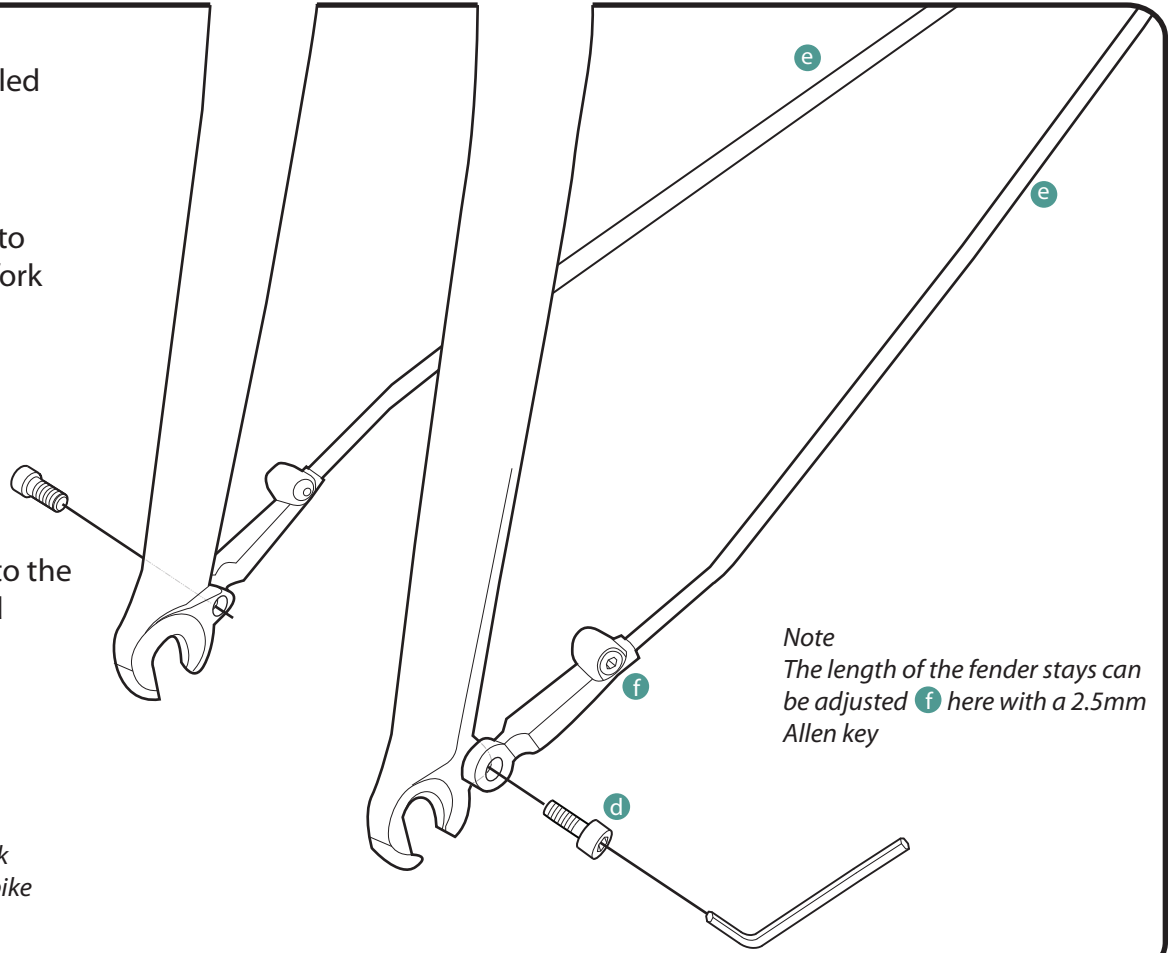
8 Secure your light in between the bolt and the fender mount

9 Remove the pre-assembled ⓓ bolt

10 Align the ⓔ fender stays to the bolt mounts on the fork

11 Re-insert each ⓓ bolt into the fork mounting holes and tighten securely using a 4mm Allen key

Note
It's always a good idea to check over all nuts and bolts on the bike to ensure they are secure

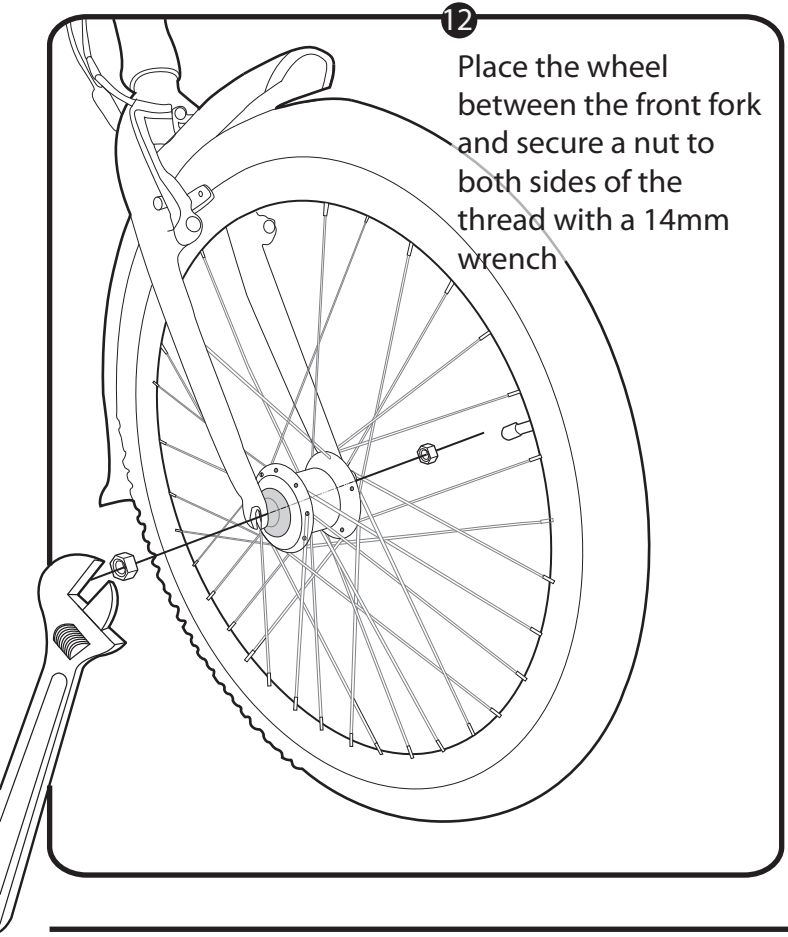


Note
The length of the fender stays can be adjusted ⓕ here with a 2.5mm Allen key

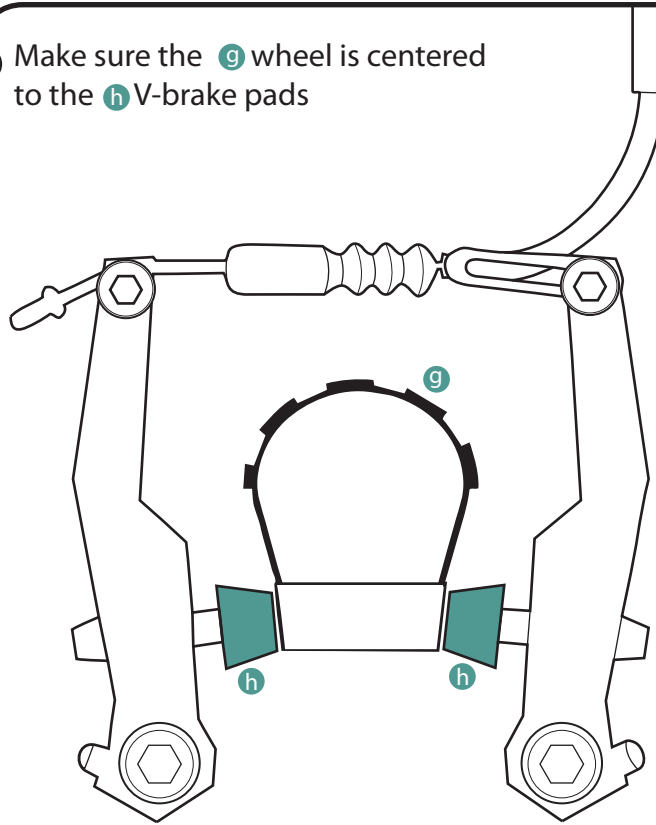
FRONT WHEEL INSTALLATION

Use a 14mm wrench

12 Place the wheel between the front fork and secure a nut to both sides of the thread with a 14mm wrench

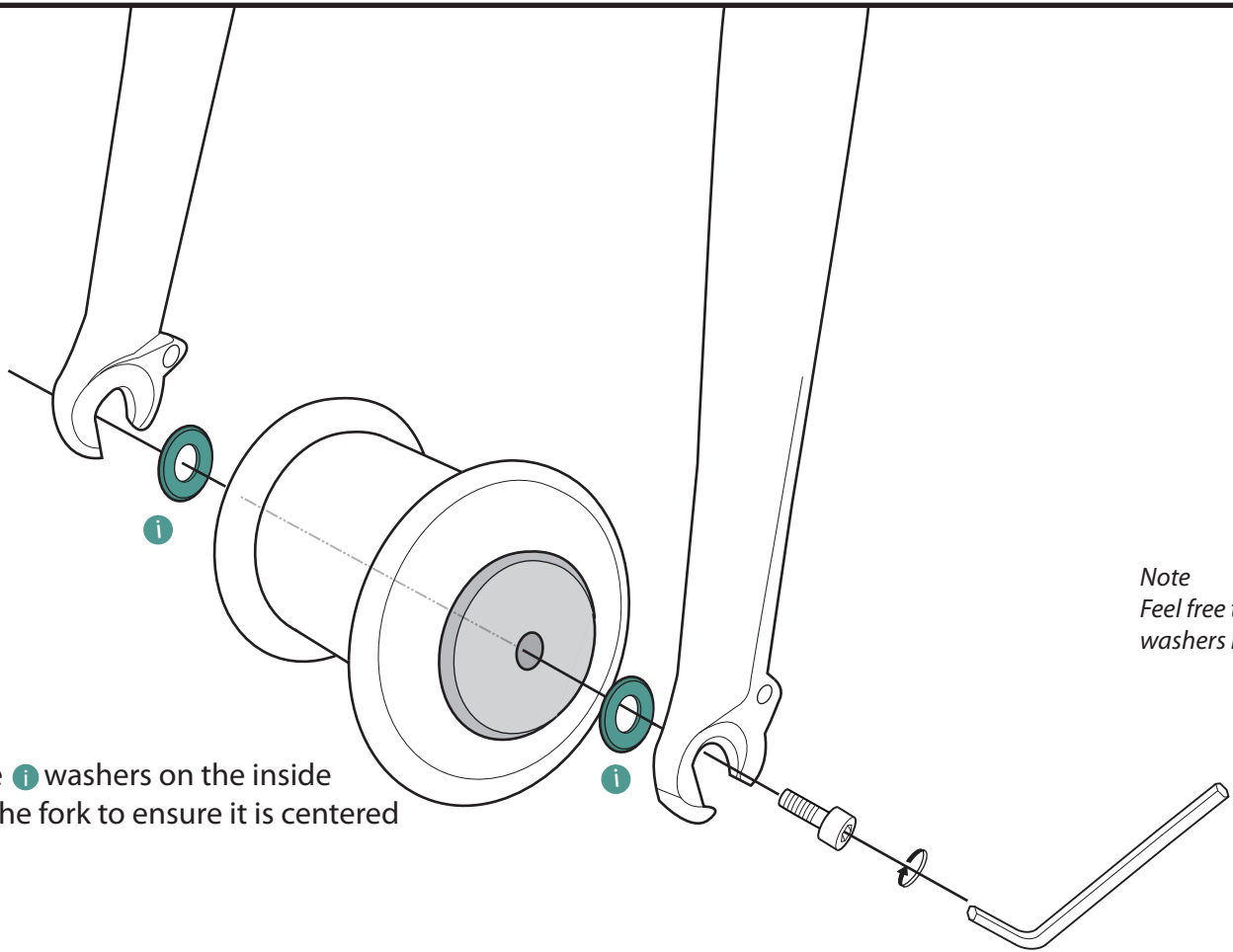


13 Make sure the g wheel is centered to the h V-brake pads



Front View

Note
consult your dealer for replacement brake pads as needed



14

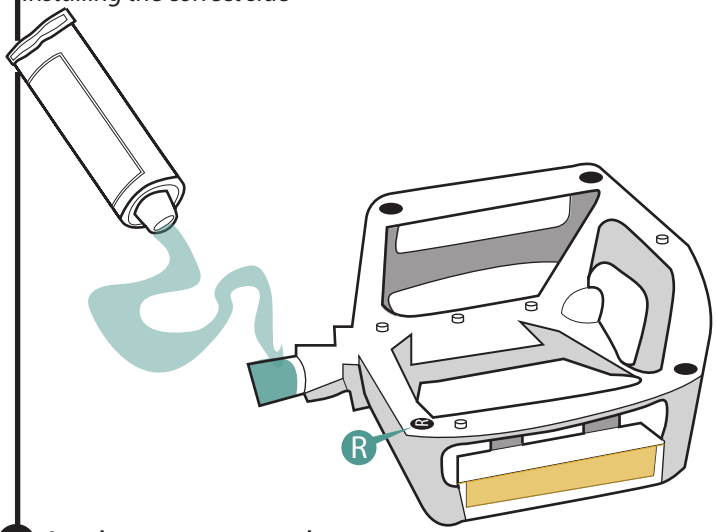
Use ⓘ washers on the inside
of the fork to ensure it is centered

Note
Feel free to add more
washers if needed

PEDALS INSTALLATION

Use 15mm pedal wrench, bicycle grease

** Each pedal is marked with a R or L to help make sure you are installing the correct side*



15 Apply grease onto the pedal threads

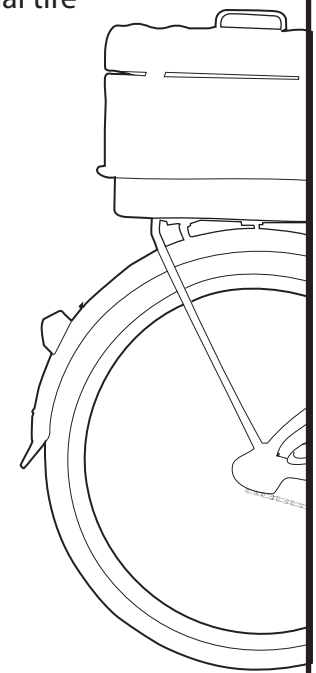
16 On the left side, tighten pedal counter-clockwise

17 On the drive side tighten pedal clockwise

PUMP UP TIRES

Use a tire pump or a regulated air hose

18 Pump your tires to the optimal tire pressure; up to 50 PSI

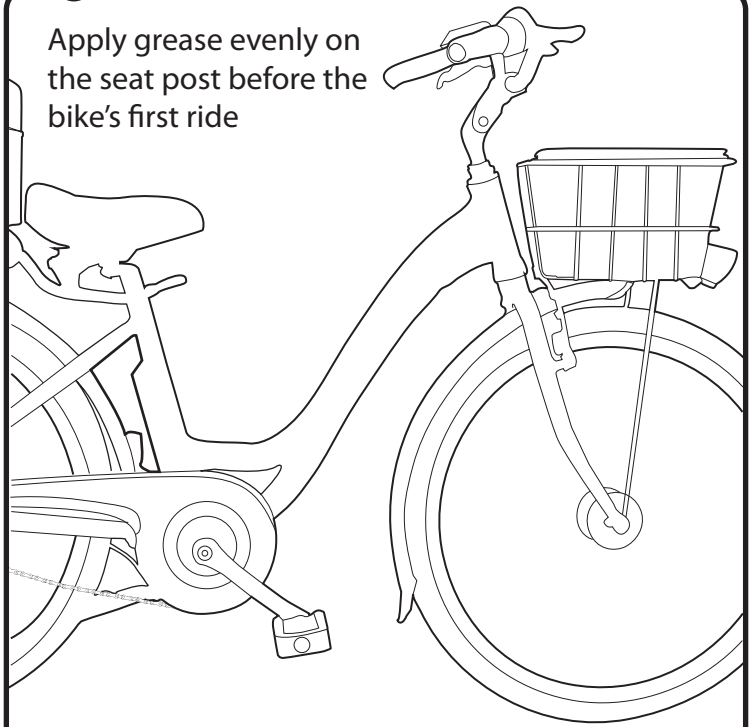


Maintenance:

• Frequently check the tire inflation pressure because all tires lose air slowly over time. For extended storage, keep the weight of the bicycle off the tires.

• Do not use unregulated air hoses to inflate the inner tubes.
An unregulated hose can suddenly over inflate bicycle tires and cause them to burst.

19 Apply grease evenly on the seat post before the bike's first ride



ABOUT THE BATTERY

General Overview

The eProdigy *Banff* is proudly powered by Lithium Ion Cells produced by Dr. Battery®, a leader in producing innovative, sustainable power technologies. Li-Ion batteries do not have a memory effect, which means the battery's maximum energy capacity is not affected if it is repeatedly recharged after only being partially discharged. Complete drainage is not required before charging. This characteristics and their ability to hold a charge for long periods while maintaining a high energy density making them ideal for driving portable equipment. Through it's life cycle, as with all batteries, the Li-Ion cell will deteriorate from 100% capacity at full charge to approximately 80% over 800 cycles.

Battery Maintenance

Very little maintenance is required, however there are some key steps to ensure the optimal performance of your battery and the longest life span possible (approx. 2 years or 800 charge cycles).

⚠ WARNING

eProdigy will not be held liable for battery breakdown caused by improper care or misuse including, but not limited to opening the battery case. Battery damage due to user mishandling or neglect voids all warranty and product liability claims.

Storage

The battery should be stored in temperatures between 10˚C (50˚F)~ 25˚C (77˚F) and never colder than -10˚C (14˚F) or over 45˚C (113˚C). Exposing your battery to extreme temperature fluctuations or humidity will severely reduce battery life and potentially cause corrosion.

Charging and Handling Your Battery

We recommend charging your battery with an eProdigy charger at room temperature after every ride, ideally when the battery is at less then 50% charge. If it has been exposed to cold temperatures, wait until it warms to about 20˚C before charging.

When parked, remember to take the battery with you to protect against theft. Our warranty does not cover lost or stolen batteries.

⚠ WARNING

eProdigy batteries should only be recharged with eProdigy chargers or power supplies. The use of other power supplies/ chargers may damage the battery and void warranty.

Use eProdigy chargers exclusively for eProdigy rechargeable batteries of the specified type. Keep the power supply or charger away from water or any moisture while connected to prevent electrical shock or short-circuits.

Do not use a charger that has obvious signs of damage to the cable, housing or the connector.

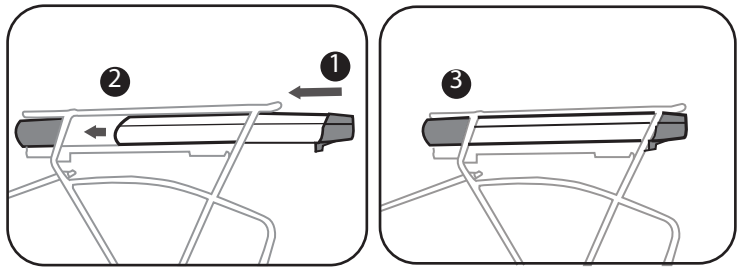
Never discard batteries in household trash!

Be aware that used batteries must be disposed of properly!

eProdigy Batteries are recyclable

Inserting Jasper's Rear-Rack battery

1. place the battery onto the battery docking station
2. gently glide the battery forward towards the battery dock
3. make sure the battery is connected completely, sitting flush with the battery dock
4. gently tug on the battery handle to ensure it is locked

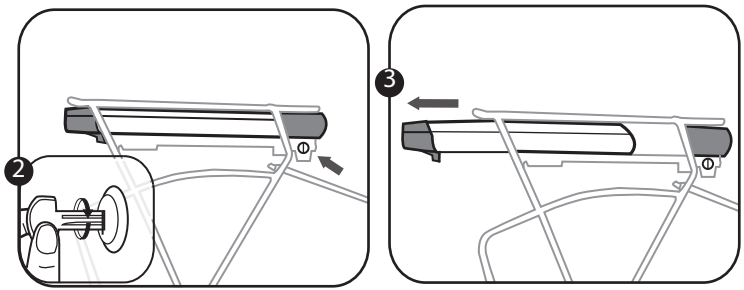


CAUTION

Do not force the battery into the battery dock. This can damage the battery connector or the rear rack

Removing Jasper's Rear-Rack battery

1. turn off the Motor by shutting off the KT-LCD3 display (no image shown)
2. turn the key clockwise in the lock
3. pull the battery backwards by the handle at the end of the battery pack along the battery rail

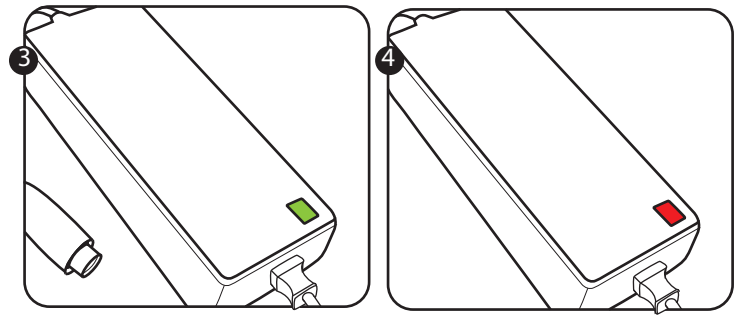


CAUTION

The battery pack can be quite heavy.
Guard against dropping or other impacts.

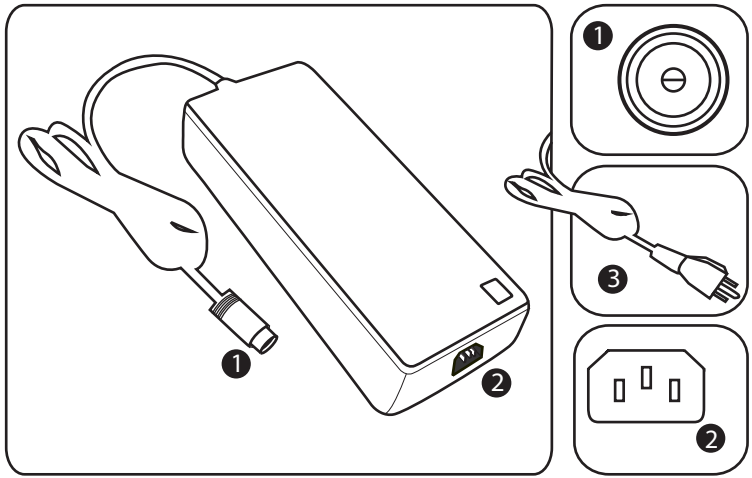
Charging Procedure

1. connect the charger to the battery, ensure connections are secure
2. insert the charger cable into an AC outlet
3. if the power plug is inserted without the battery connected to the charger, the LED will light up green, signifying it's STANDBY status



4. to signify it's CHARGING status, the LED will light up red
5. to signify it's FULLY CHARGED status, the LED will light up green

There are two components for the charging system; the charger and the cable connecting the charger to an AC socket.



1. connection port between battery and battery
2. power port connecting charger to cable
3. cable connecting battery to AC outlet

Note
Before connecting charger to AC outlet, it is advised you connect the charger to the battery prior

Note
when the battery is fully charged, the voltage reading should be approximately 40 volts

⚠ WARNING
Do not leave a charging battery overnight or unattended, to avoid overheating. It generally takes 4-6 hours to fully charge a completely drained battery.

Checking the Battery State-of-Charge

Located on the body of the battery is State-of-Charge LED indicator.

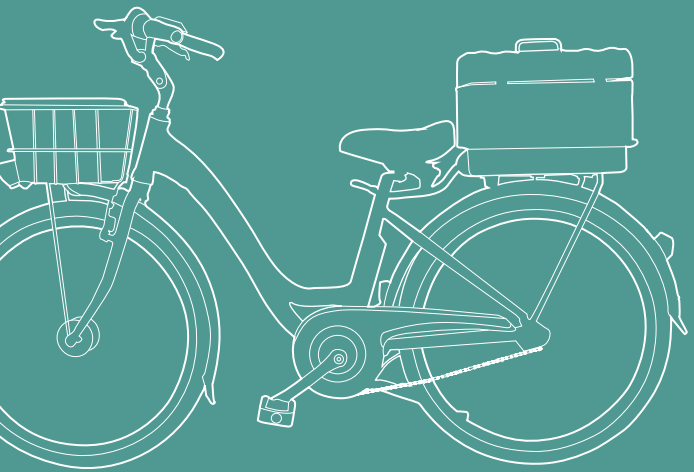
1. press down on ⏻ till you hear a "click"
2. battery state-of-charge LED will illuminate


100-75% charge


50-25% charge


75-50% charge


<25% charge



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