

*Jasper*

**ASSEMBLY MANUAL**

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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 *Jasper* 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 *Jasper Assembly Manual* together with the User Manual carefully to protect yourself, your bike and to ensure you 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](mailto: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.

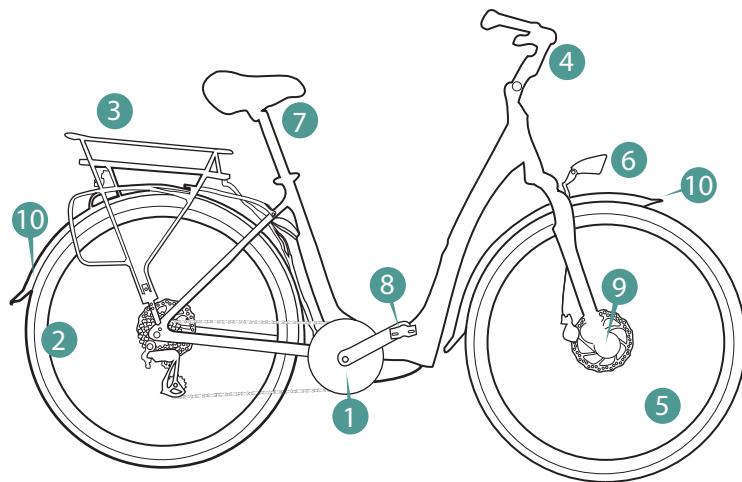
- The combination of the safety alert symbol  and the word **WARNING** indicates a potentially hazardous situation which, if not avoided, could result in serious injury or death.
- The combination of the safety alert symbol  and the word **CAUTION** indicates a potentially hazardous situation which, 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 rendering 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 KT-LCD3 control panel  
*display, throttle, shifter, and grips installed*
- 5 Front wheel
- 6 Headlight
- 7 Seat post with saddle installed
- 8 Pedals
- 9 Quick release for the front wheel
- 10 Front + Rear fenders



## Note

*Battery & charger are shipped separately for safety purposes*

# OWNER'S IDENTIFICATION

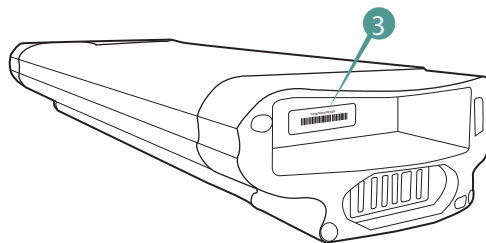
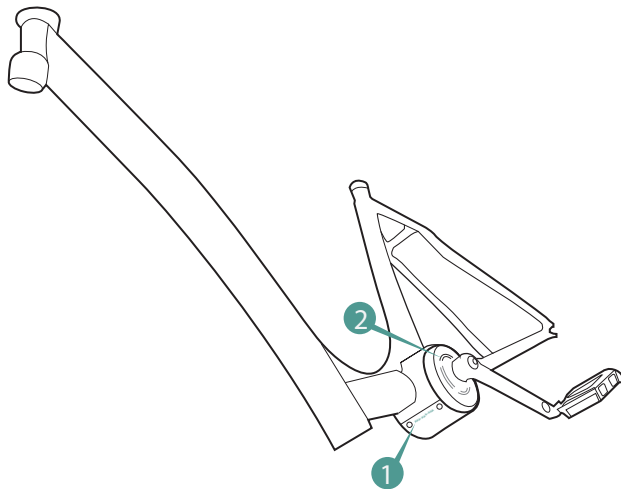
Each eProdigy bicycle frame, motor and battery has a unique serial number. The **1** Bike Frame Serial Number **2** Motor Serial Number and the **3** Battery Serial Number can be found as shown here.

Record these numbers below to keep for reference in the future. 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 *Jasper* eBike

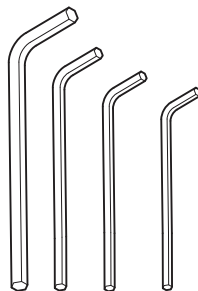
- 1 2.5mm, 3mm, 4mm, 5mm and 6mm Allen keys
- 2 Phillips screw driver
- 3 Crescent wrench and/or 10mm wrench
- 4 15mm pedal wrench
- 5 Bicycle grease

## ⚠ WARNING

Keep small parts away from children during assembly

## Note

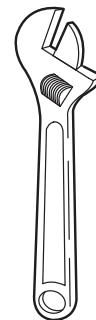
Do not dispose the carton or packaging until the assembly of the bicycle is complete. This can prevent accidentally discarding parts of the bicycle.



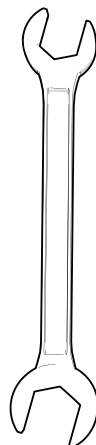
1



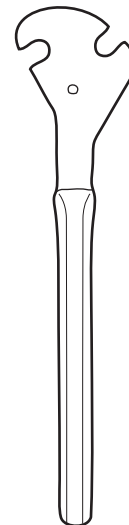
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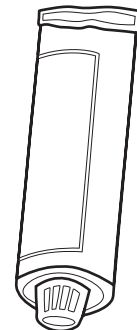
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3



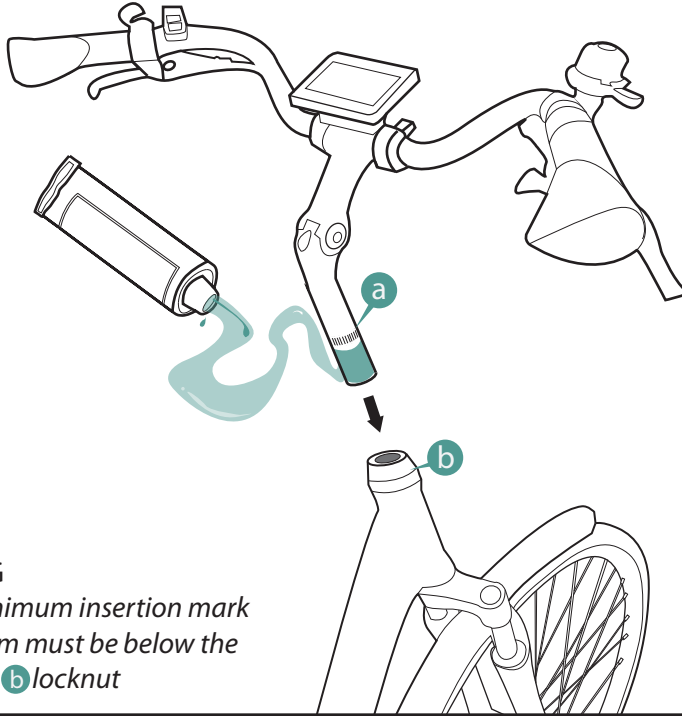
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5

# HANDLEBAR + STEM INSTALLATION

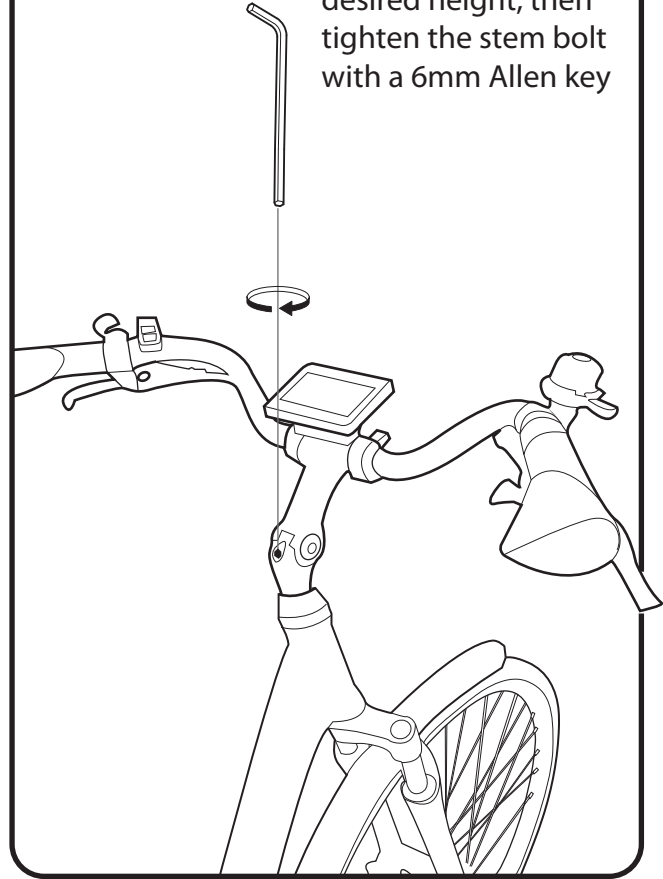
- 1 apply some bicycle grease on the stem bottom where it inserts into the fork



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

2

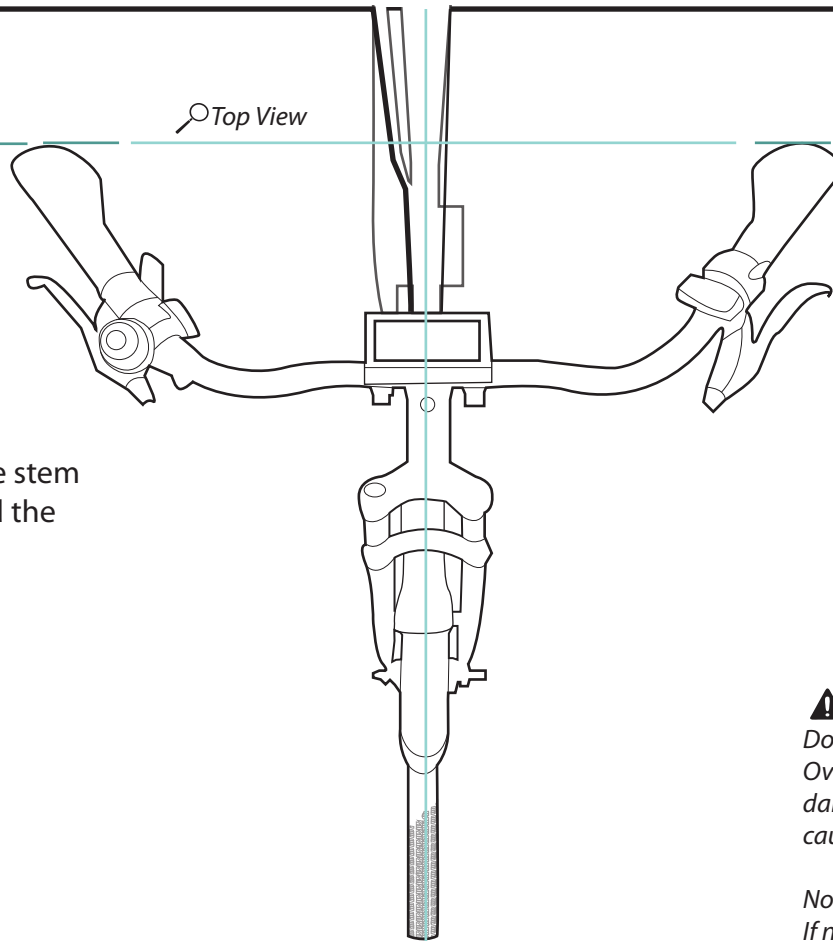
- 2 Adjust stem to the desired height, then tighten the stem bolt with a 6mm Allen key





3

Make sure to align the stem with the front tire and 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

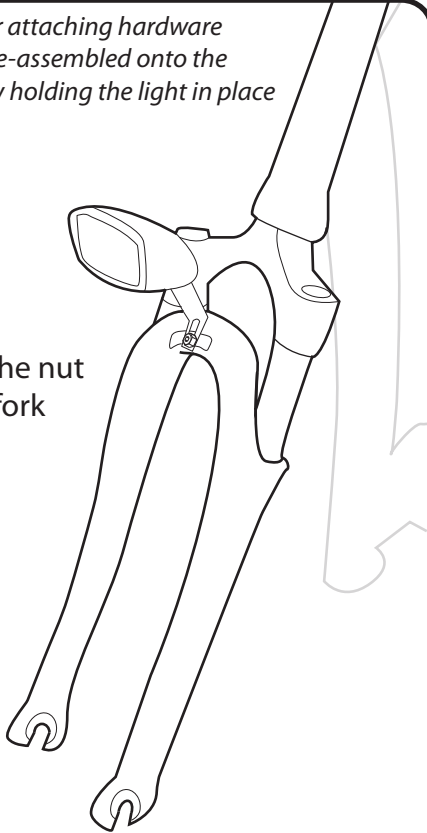
*Note*  
If necessary, re-adjust handlebar

# FRONT FENDER + LIGHT INSTALLATION

Use a 3mm Allen key, 5mm Allen key, and a Crescent wrench

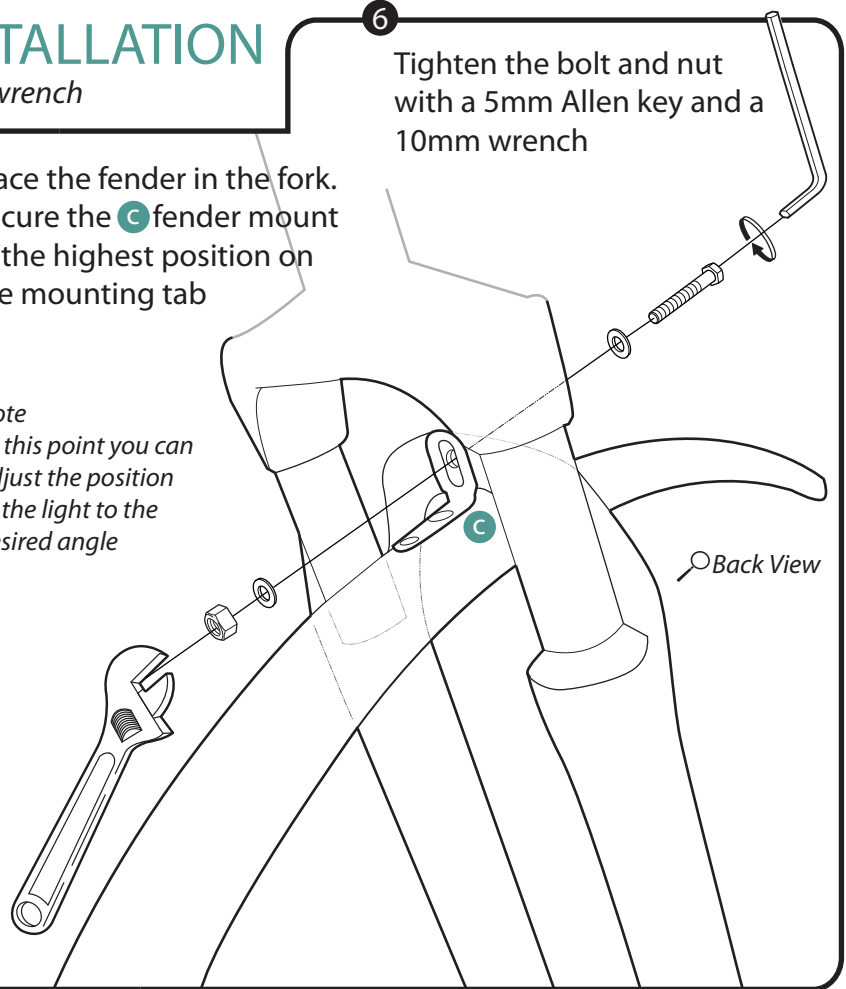
Front fender attaching hardware has been pre-assembled onto the fork. Loosely holding the light in place

- 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

Note  
At this point you can adjust the position of the light to the desired angle

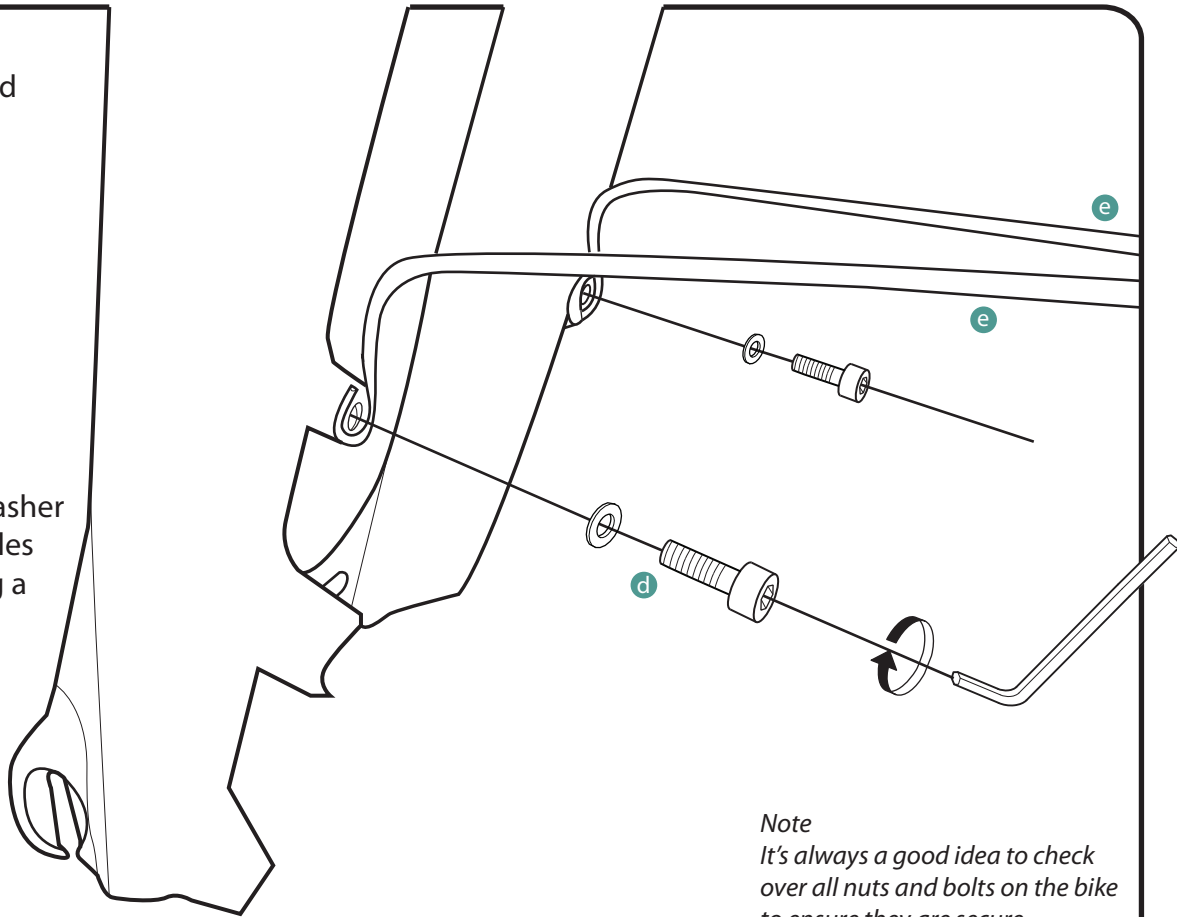


- 6 Tighten the bolt and nut with a 5mm Allen key and a 10mm wrench

7 Remove the pre-assembled  
d bolt and washer

8 Align the e fender stays  
with the fork mounting  
holes

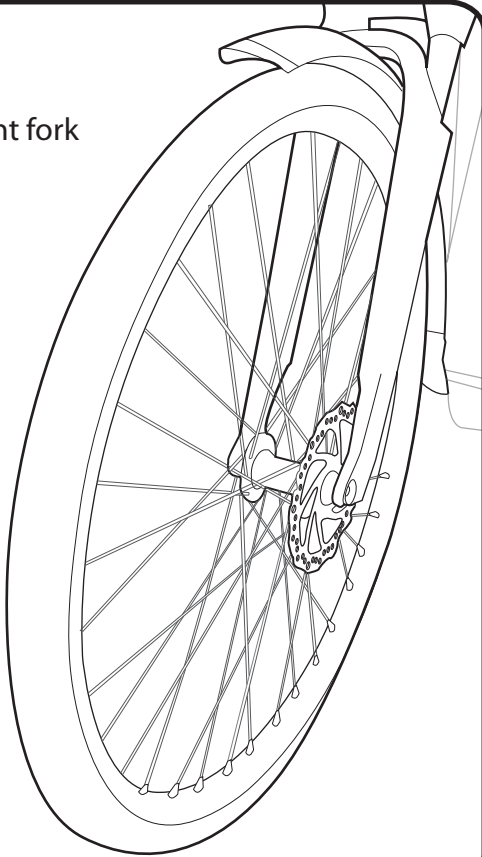
9 Re-insert each bolt and washer  
into the fork mounting holes  
and tighten securely using a  
4mm Allen key



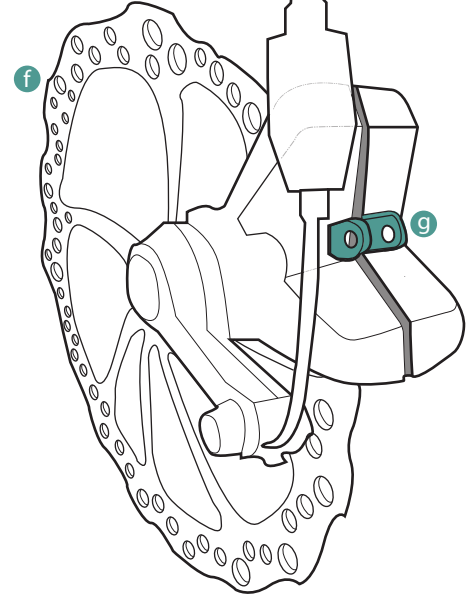
Note  
It's always a good idea to check  
over all nuts and bolts on the bike  
to ensure they are secure

# FRONT WHEEL INSTALLATION

- 10 Place the wheel between the front fork

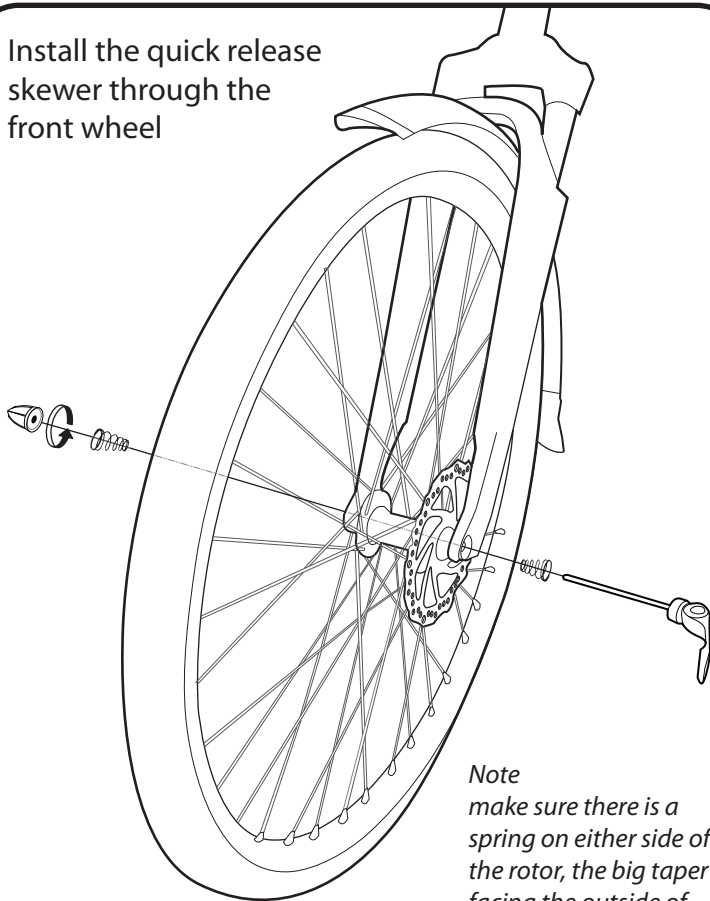


- 11 Make sure the **f** rotor is centered between **g** brake pads, rotating without friction



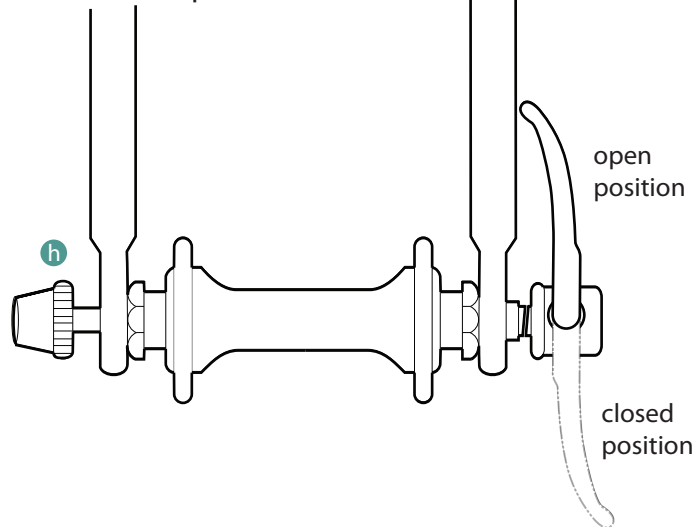
*Note*  
consult your dealer for replacement  
brake pads as needed

- 12 Install the quick release skewer through the front wheel



*Note*  
make sure there is a spring on either side of the rotor, the big taper facing the outside of the wheel

- 13 In the lever open position, twist the **h** end cap on till snug. Then close the quick release lever to the closed position

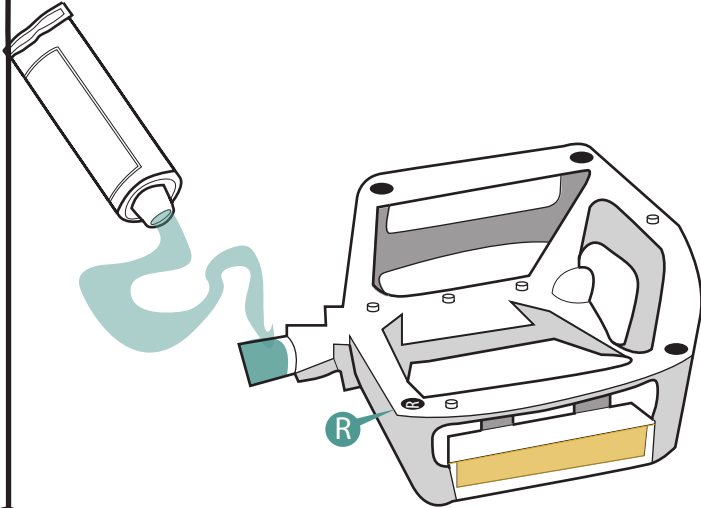


*Note*  
Make sure quick release lever is on the opposite of the drive side

# PEDALS INSTALLATION

Use 15mm pedal wrench, bicycle grease

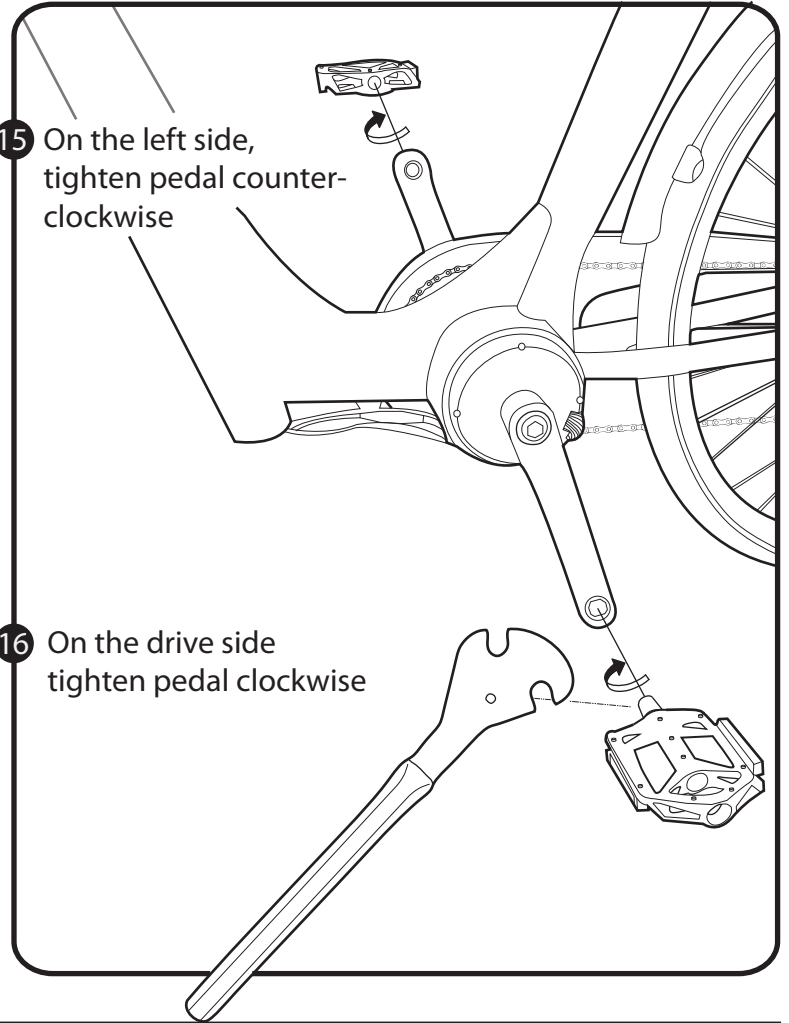
\* Each pedal is marked with a R or L to help make sure you are installing the correct side



14 Apply grease onto the pedal threads

15 On the left side, tighten pedal counter-clockwise

16 On the drive side tighten pedal clockwise



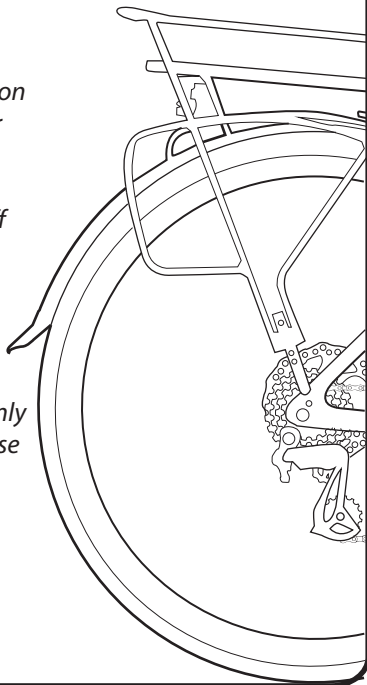
# PUMP UP TIRES

Use a tire pump or an air hose

- 17** Pump your tires to the optimal tire pressure; up to 50 PSI

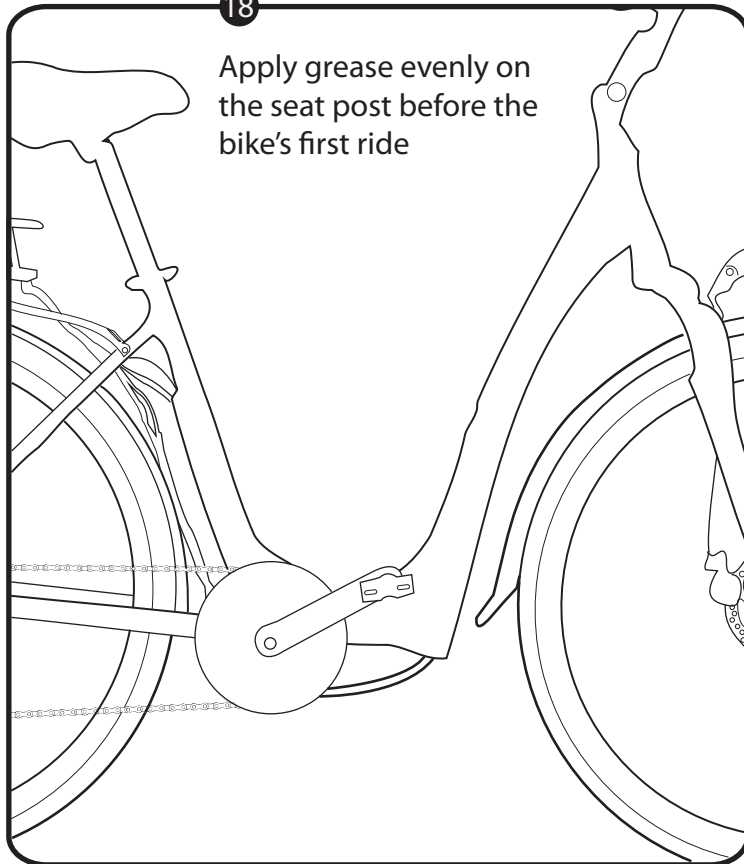
## Maintenance:

- 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



**18**

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



# ABOUT THE BATTERY

## General Overview

The eProdigy *Jasper* 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 the 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!

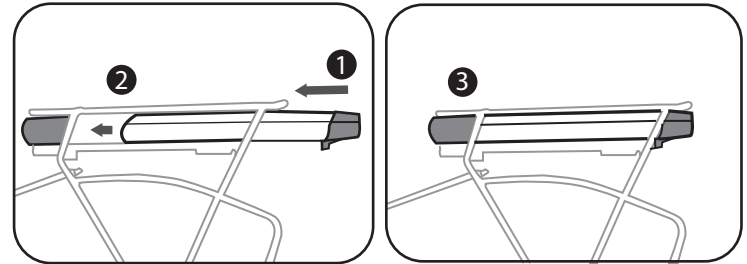
Be aware that used batteries must be disposed of properly!



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 Tug on the the battery gently to ensure it is locked in

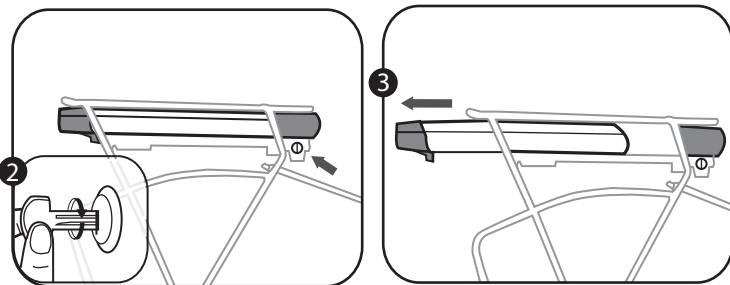


### **CAUTION**

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

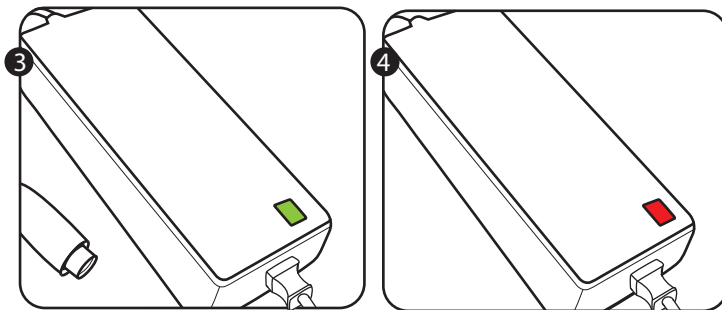
## Removing Jasper's Rear-Rack battery

- 1 turn off the Motor by shutting off the KT-LCD3 display (no image shown)
- 2 turn the key to unlock the battery
- 3 pull the battery out by the handle at the end of the battery pack along the battery rail



## 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

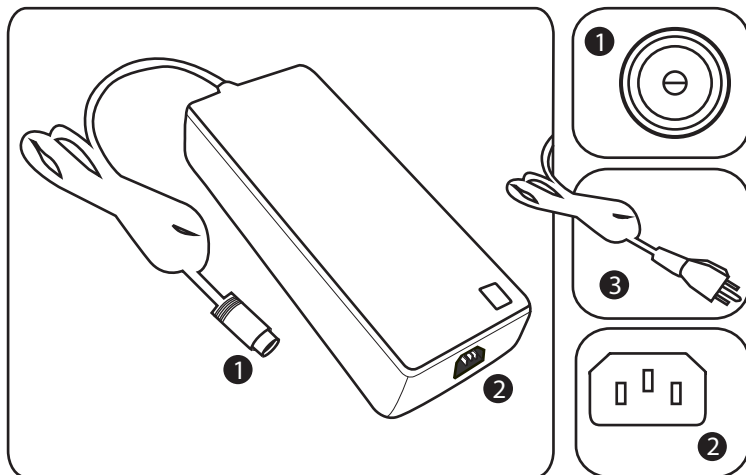


- 4 to signify it's CHARGING status, the LED will light up red
- 5 to signify it's FULLY CHARGED status, the LED will light up green

### CAUTION

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

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

