PURE CYCLES

LOS ANGELES, CALIF.

FLUX E-BIKE
ASSEMBLY AND USER GUIDE

PURECYCLES.COM

Introduction

Congratulations on your purchase of a new Pure Cycles electric bike!

You've selected a high-quality electric bicycle, and we're excited to welcome you to the Pure Cycles family.

This manual provides essential instructions on final setup, adjustment, and safe operation of your new e-bike. It is meant to supplement the Pure Cycles Owner's Manual, and the Pure Cycles Li-Ion Battery Safety Manual included with your purchase. We strongly encourage you to read each of these manuals before your first ride.

Please note, this guide is not intended as a comprehensive repair or maintenance manual. All service, repairs, and in-depth maintenance should be performed by a trained bicycle mechanic at your local Pure Cycles retailer. We recommend always working with your local Pure Cycles retailer for all service and maintenance needs.

Thank you for choosing Pure Cycles. Ride safely and enjoy the journey!

UPDATES

Periodically, updates and addenda may be issued for this document. To ensure you have the most up-to-date information, please check purecycles.com or contact customer service at support@purecycles.com..

FIND A RETAILER IN YOUR AREA

https://www.purecycles.com/pages/store-locator

FIND US ONLINE

https://www.purecycles.com

HAVE A QUESTION

support@purecycles.com

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Bike Specifications - Quick Reference

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Bike Details	
Model:	FLUX Electric Bicycle
Frame Size(s):	16" Step-Thru, 18" Step-Over, & 20.5" Step-Over
Wheel Size:	27.5"
Tire Size:	27.5" x 2.35"
Tire Pressure:	40 - 65 PSI
Max Tire Width:	27.5" x 2.35"
Standover Height - 16":	22" (56 cm) Measured from the lowest point of the top tube to the ground
Standover Height - 18":	27” (69 cm) Measured from the lowest point of the top tube to the ground
Standover Height - 20.5":	29" (74 cm) Measured from the lowest point of the top tube to the ground
Bike Weight:	52 lb (24 kg)
Max Rider Weight:	250 lb (113 kg)
Max Cargo Weight:	50 lb (23 kg)
Max Rider/Cargo Weight:	300 lb (136 kg) combined
Recommended Fit - 16":	5'0" - 5'7" (152 - 170 cm)
Recommended Fit - 18":	5'5" - 6'0" (165 - 183 cm)
Recommended Fit - 20.5":	5'9" - 6'4" (175 - 193 cm)

Bike Specifications - Quick Reference

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Pure Cycles FLUX E-Bike Specifications	
Frame:	Pure Cycles 6061 Alloy
Fork:	Pure Cycles 6061 Alloy blades with 1-1/8" chromoly steerer
Headset:	Steel, caged bearings
Handlebar:	Alloy, 680mm width, 100mm rise, with crossbar
Stem:	Alloy, 31.8mm clamp x 60mm extension, 7° rise
Grips:	Single-density Ergonomic, locking grip
Brake Levers:	Tektro alloy, 4-finger
Front Brake:	Tektro mechanical disc, 180mm rotor
Rear Brake:	Tektro mechanical disc, 180mm rotor
Shifter:	Shimano SL-RV200 7-speed RevoShift with optical gear display
Rear Derailleur:	Shimano Altus RD-M310
Freewheel:	Shimano TZ500, 7-speed (14-34T)
Seat Clamp:	Alloy
Seat Post:	Alloy, 30.9mm x 350mm, 0mm offset, 2-bolt clamp
Saddle:	Velo VL-6470 dual-density comfort
Crankset:	Alloy, three-piece, 170mm arms
Chainring:	Steel, 44T x 1/2” x 3/32”, with inner & outer steel guard
Bottom Bracket:	Sealed cartridge with integrated cadence & torque sensor, 73 x 148mm
Chain:	KMC Z7, 1/2" x 3/32"
Pedals:	Nylon non-slip platform, 9/16”
Front Hub:	36H 13g spokes, sealed bearing, 6-bolt disc, quick-release
Rear Hub (Motor):	36H, 12g spokes, 48V 350W Bafang hub motor
Rims:	Alloy double wall, 27.5” x 36H
Front Wheel:	Alloy, 27.5” x 36H, sealed bearing, 6-bolt disc, quick-release
Rear Wheel (Motor):	Alloy, 27.5” x 36H, sealed bearing, 6-bolt disc / 48V 350W hub motor
Spokes:	Front 13G / Rear 14G stainless steel with CP brass nipples
Tires:	27.5” x 2.35”, wire bead
Inner Tubes:	27.5” x 2.35”, Schrader valve
Kickstand:	Alloy, 40mm direct-mount
Lights:	Integrated front and rear lights

E-System	
Rear Hub Motor:	Bafang 48V 350W rear hub motor with up to 55 N·m max torque
Pedal Assist Sensor:	Bafang integrated torque and cadence sensor bottom bracket
Display:	Bafang TFT color display with Bluetooth 5.0 and integrated USB-C charging port
Throttle:	Removable thumb throttle
Battery:	Bafang 48V / 15Ah (720Wh) lithium-ion battery
Charger:	Bafang 48V / 2A smart charger (7–8 hours to full charge from empty)
Speed:	20 mph maximum motor assisted speed
Range:	Up to 60 Miles (varies based on rider weight, terrain, wind, pedaling, and throttle use)

Read Before You Ride

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Welcome to Your Pure Cycles Electric Bike Owner's Manual

This manual is intended to be read carefully before your first ride—and referred to often—so you can enjoy your new electric bike with confidence, comfort, and safety. It contains important information, specific warnings, and operating instructions tailored for electric bikes, which differ in handling from traditional bicycles.

An electric bicycle is both a vehicle and a powered machine. While it offers enhanced performance, efficiency, and convenience, it also introduces additional safety considerations. Riding an e-bike involves inherent risks, including potential injury or even death. By choosing to ride, you voluntarily assume that risk. Our goal is to help you reduce it through awareness, proper setup, and responsible operation.

- **E-Bikes Are Not Traditional Bicycles:** Electric bikes differ from traditional bicycles in how they accelerate, brake, and handle—especially under motor power. Take time to become familiar with your e-bike's responsiveness, especially in higher assist levels or while using the **throttle**. Practice in a safe, open area before riding in traffic or on busy trails.

- **Be Aware Of Speed And Control:** Electric bikes often travel at higher average speeds than standard bikes. This means you may need more distance to stop, more caution when cornering, and greater awareness of traffic, pedestrians, and road conditions. Avoid sharp turns at high speeds and be especially cautious on wet, loose, or uneven surfaces.

- **Age Restrictions & Helmet Use:** This electric bicycle is not intended for riders under the age of 16. Additionally, age restrictions and helmet laws for e-bike riders may vary by state, region, or municipality. Always consult your local regulations to ensure proper, legal, and safe operation.

- **Know Your Local Laws:** Electric bicycles may fall under different regulations than traditional bikes. Speed limits, motor classifications, and permitted riding areas can vary widely. It's your responsibility to research and follow all applicable local, state, and federal laws. Your local Pure Cycles retailer can assist with this information if needed.

- **Ride Defensively:** Always stay alert to your surroundings and be prepared for unexpected hazards—such as cars, pedestrians, sudden traffic changes, or poor road conditions. The added weight and speed of an e-bike require increased attention and reaction time. Give yourself extra space and ride with a mindset of safety first.

Pre-Ride Safety Check

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Attention!

Before your first and each subsequent ride, perform the safety check below as well as any additional verifications outlined in the Owner's Manual to ensure your electric bike is safe to ride. Failure to do so could result in serious injury.

- **Fastener Check:** Ensure all fasteners, including nuts, bolts, and screws, are appropriately tightened for the seatpost, stem, and handlebar. Check their tightness by securing the bike between your legs and attempting to twist, push, and pull the handlebar and saddle. If any component moves, realign it, increase bolt tension, and repeat until there is no movement.

- **Seatpost & Saddle Adjustment:** Adjust the seatpost to the correct height for comfortable riding, ensuring it is inserted below the minimum insertion line and securely tightened.

- **Wheels & Tires:** Check that both wheels spin freely without wobbling and are properly aligned. Ensure that the axle nuts or bolts are securely fastened. Maintain proper tire pressure by inflating each tire to the recommended PSI using an accurate gauge. If you're unsure about wheel alignment or tire pressure, refer to the Pure Cycles Owner's Manual or consult your local Pure Cycles Retailer.

- **Chain, Drivetrain & Gearing Check:** Ensure the chain is clean, properly lubricated, and runs smoothly through the drivetrain. Check that the rear cassette and front chainring are securely fastened and show no signs of excessive wear. Confirm the derailleur and jockey wheels are clean, properly aligned, and free of debris. While pedaling, shift through all gears to verify smooth, accurate transitions without skipping, hesitation, or unusual noise. Make sure the gear shifter is responsive, cable tension is consistent, and the derailleur hanger is properly aligned. If shifting is rough or inconsistent, or if the chain skips or slips under load, refer to the Owner's Manual or have a Pure Cycles Retailer inspect and adjust the system.

- **Hand Brake Functionality:** Squeeze the brake lever(s) to ensure firm engagement without excessive travel, check that pads contact the rims (or rotors) evenly without rubbing, confirm cable and anchor bolt(s) are securely tightened, verify brake arms return evenly, and perform a low-speed test for smooth stopping. If the brakes feel weak or slip, and if unsure about the brake's performance, seek help from a Pure Cycles Retailer.

- **E-System Check:** Ensure the battery is fully charged and securely locked into place. Inspect the battery housing for any signs of physical damage, such as cracks, swelling, or corrosion near the terminals. Check that the battery connectors are clean, dry, and free from rust or debris, and confirm that all connections are tight and properly seated. Verify that the power switch and display turn on and respond correctly. Ensure that both the assist levels and throttle function as expected. Listen for unusual motor noises and feel for smooth engagement during a test ride. Inspect all wiring and connectors along the frame for any fraying, pinching, or exposed wires. If anything seems out of the ordinary with the battery or e-bike system, stop riding and contact a Pure Cycles Retailer for assistance.

Precautions and Warnings

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Important Safety & Handling Information:

Riding an electric bicycle differs from a traditional bike due to the added power and speed of the motor. Always ride within your skill level and take time to become familiar with how the e-bike accelerates, brakes, and handles—especially under motor assistance. Electric bikes can reach higher speeds with less effort, so it's important to ride attentively and with both hands on the handlebars. Start slowly and practice in a safe area until you feel confident handling the bike in various conditions.

⚠ Warning – Usage Limitations & Rider Requirements:

- This bike is intended for **paved surfaces only** and is not designed for off-road use. It is intended for one rider only, aged **16 or older**, with a maximum **rider weight of 250 lb (113 kg)**. The optional rear rack supports up to **50 lb (23 kg)** of cargo and is **not designed to carry a child, pet, or passenger.**

⚠ Warning – Speed & Stability Hazards:

- **Higher Speeds Require More Caution:** Because e-bikes can accelerate quickly and reach speeds up to **20 MPH,** turning, braking, and navigating obstacles requires greater attention and control. Always take turns gradually and avoid abrupt direction changes, especially at higher speeds, to prevent loss of control.

- **Hands on the Handlebars:** Keep both hands on the handlebars at all times. Riding with no hands can lead to instability and increases the risk of serious injury or a crash.

⚠ Warning – Hill Climbing & Motor Use:

- **Hill Climbing & Motor Use:** Your ability to climb hills will depend on several factors, including terrain grade, rider weight, pedal input, and momentum. Do not rely solely on motor assist. For best results, use a combination of motor power and pedaling.

⚠ Warning – Speed Limitations:

- **Maximum Assisted Speed:** This electric bicycle has a maximum assisted speed of **20 MPH**. Riding at high speeds reduces your reaction time and increases the severity of potential impacts. Always maintain a speed appropriate for the conditions and your comfort level, especially when riding in crowded areas or unfamiliar environments.

⚠ Warning – Riding In Low Visibility Conditions:

- **Be Seen, Stay Safe:** This e-bike is equipped with integrated front and rear lights to help increase your visibility in low-light conditions. However, even with built-in lighting, it's best to avoid riding at night or in poor visibility when possible. If nighttime riding is necessary, ensure that your lights are functioning properly before each ride, and supplement with additional reflective gear if needed. Most local laws require active front and rear lighting—check with your local Pure Cycles retailer or bike shop to ensure your setup complies with applicable regulations.

Precautions and Warnings

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⚠ Warning — Charger and Battery Charging Safety:

- **Only use the charger provided with your E-Bike:** Using an incompatible charger can cause overheating, fire, or permanent battery damage and will **void your warranty**.
- **Inspect Charger Before Use:** Do not use the charger if the flexible power cord or output cable is frayed.
- **Charging Environment:** Never charge the battery unattended or near flammable materials. Always charge in a dry, well-ventilated area.
- **Charging Temperature:** The battery is intended to be charged when the ambient temperature is between **32°F and 104°F (0°C and 40°C)**. Never charge the battery if ambient temperature is outside this range.

⚠ Warning — Water Exposure:

- **Wet Weather Caution:** This e-bike is water-resistant, not waterproof; avoid riding in heavy rain or through deep puddles, as prolonged exposure to water can **damage electrical components** and reduce braking performance.

⚠ Warning — Throttle and Acceleration Awareness:

- **Mounting & Dismounting:** Exercise caution during mounting, dismounting, or when walking the e-bike. Accidental throttle activation can cause the e-bike to lurch forward unexpectedly.
- **Handling The E-Bike:** Always power off the e-bike or disable the throttle before handling the e-bike while not riding.

⚠ Warning — Maintenance and Modifications:

- **Power Cut-Off Before Service:** Always turn off the power and remove the battery before performing any maintenance, adjustments, or transport.
- **Unauthorized Modifications:** Do not disassemble, modify, or attempt to repair any electrical components of the e-bike, including the motor, controller, battery, charger, throttle, or wiring harness. Unauthorized actions can lead to hazardous conditions including electric shock, void the warranty, and may cause serious injury or death. **For all service-related needs, contact your local Pure Cycles retailer.**
- **Electrical System Integrity:** Do not attempt to modify the electrical system, install non-OEM accessories, or bypass the speed limiter. Unauthorized modifications may result in fire, loss of control, or void your warranty.

WARNING! – This bike is intended for riders 16 years of age and older. However, local laws may set a higher minimum age for e-bike use.
WARNING! – Maximum rider weight limit is 250 lb (113 kg).
WARNING! – Maximum cargo weight limit is 50 lb (23 kg).

■ Starting Your Ride:

- **Take it Slow at First:** Practice in a safe area before venturing out onto busy roads or paths.
- **Stay Visible:** Wear bright clothing and use your lights when riding at night or in low-light conditions.
- **Check Local Regulations:** Laws regarding e-bike usage vary, so ensure you're familiar with the rules in your area.

If you're new to electric bikes, begin in (E) Eco Mode and take time to get familiar with the bike's handling, Power Assist System, and braking performance.

The Power Assist System (PAS) responds to your pedaling. The integrated bottom bracket includes both torque and cadence sensors, which work together to detect not only when you're pedaling, but also how hard you're pedaling. This allows the motor to deliver power assistance that's responsive to both your pedal speed and applied force. The level of assistance is determined by your selected assist mode, providing a more natural and intuitive riding experience that adjusts to your effort in real time.

Adjust the Power-Assist Levels: Use the (+) Plus and (-) Minus buttons to adjust between PAS Modes. Choose from (O) Off for no power assist to (B) Boost mode for maximum assistance.

■ Understanding the 6 Power Assist System (PAS) Modes:

Power Assist System (PAS) modes on an electric trike are designed to control the level of motor assistance while pedaling. Each mode offers varying levels of support to suit different terrains, riding styles, and energy needs. Here's a breakdown of the purpose of each typical PAS mode:

O (Off) Mode:

Purpose: In this mode, the motor is completely disengaged, and you ride the e-bike like a traditional bicycle. It's useful when you want a full workout or conserve all of the battery for later use.

Best For: When the rider wants no motor assistance or to conserve battery power entirely.

E (Eco) Mode:

Purpose: This mode provides minimal motor assistance, allowing you to rely more on your pedaling effort. It is ideal for flat terrain, leisurely rides, or conserving battery life over long distances.

Best For: Riders who want to extend their range and use the e-bike primarily for light exercise or casual rides.

T (Tour) Mode:

Purpose: This mode offers moderate assistance, balancing pedal power, and motor assistance. It is perfect for riding in slightly hilly areas or for a consistent level of support without using too much battery.

Best For: Daily commuting, recreational rides, and mixed terrain where you need moderate help but still want to maintain a reasonable battery life.

S (Sport) Mode:

Purpose: This mode provides higher levels of assistance, making it easier to climb hills or maintain higher speeds with less effort. This mode is helpful for covering ground faster or tackling more challenging terrain.

Best For: Hilly routes, quicker commutes, or when you want more assistance for a relaxed ride at higher speeds.

S+ (Sport+) Mode:

Purpose: Delivers even more powerful assistance than Sport mode, designed for more aggressive riding. It's ideal for steeper climbs or situations where quick acceleration and maximum responsiveness are needed.

Best For: Steep hills, spirited rides, or when you want peak performance and a more dynamic, sportier feel.

(B) Boost Mode:

Purpose: Delivers maximum motor assistance with minimal pedaling effort required. It's ideal for steep inclines, difficult terrain, or when you're in a hurry and want to get to your destination quickly.

Best For: Very steep hills, strong headwinds, or when you need the most power output from your e-bike for tough conditions.

■ Braking / Stopping:

The **FLUX E-Bike** features a robust braking system designed for enhanced safety and control. Riders are advised to practice braking in a safe, controlled environment to become accustomed to the bike's responsive stopping power, before navigating busy roads or paths. This preparation ensures a safer and more confident riding experience.

Brake Application Technique: Apply both front and rear brakes simultaneously with even pressure to maintain stability. Avoid sudden braking by decelerating gradually to prevent skidding and maintain control, especially on wet or slippery surfaces.

■ Estimated Range

The estimated range of your e-bike can vary depending on several factors such as rider weight, terrain, riding style, and assist level. Based on the battery capacity, here is an approximate range.

- **Eco Mode** (low assist, flat terrain): **45–60 miles**.
- **Normal Mode** (mixed assist, light hills): **30–45 miles**.
- **High Assist** (throttle only): **20–30 miles**.
- **Important:** Battery performance will naturally decline over time as the battery ages.

USER GUIDE

HMI. DPC.080

BAFANG
POWER YOUR LIFE

Display (HMI) Table of Contents

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Display (HMI) Specifications

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Brand:	Bafang
Model:	HMI \ DP C080.CB
Rated Voltage:	36V / 48V / 52V DC power supply
Communication:	CAN
Water Resistance:	IPX7
Certificates:	CE\ROHS\EN 15194 EPAC
Operating Temperature	-4°F ~ 113°F or -20°C ~ 45°C
Features:	Current Speed, Average Speed, Maximum Speed, Odometer, Trip Odometer, Trip Time, Backlit Display, Walk Assist Mode, Battery Level Indicator, Adjustable Assist Level, Error Code
User Manual:	For complete details on the operation and use of this display refer to the Bafang User Manual included with your new trike

Display (HMI) Parameters

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Power Supply	36V / 48V / 52V DC power supply
HMI rated power consumption:	0.29W
Power OFF leakage current:	< 1uA
Operating temperature:	-4°F ~ 113°F or -20°C ~ 45°C
Storage Temperature:	-4°F ~ 140°F or -20°C ~ 60°C
Storage Humidity:	30 - 70%
Protection rating	IPX7

Product Identification

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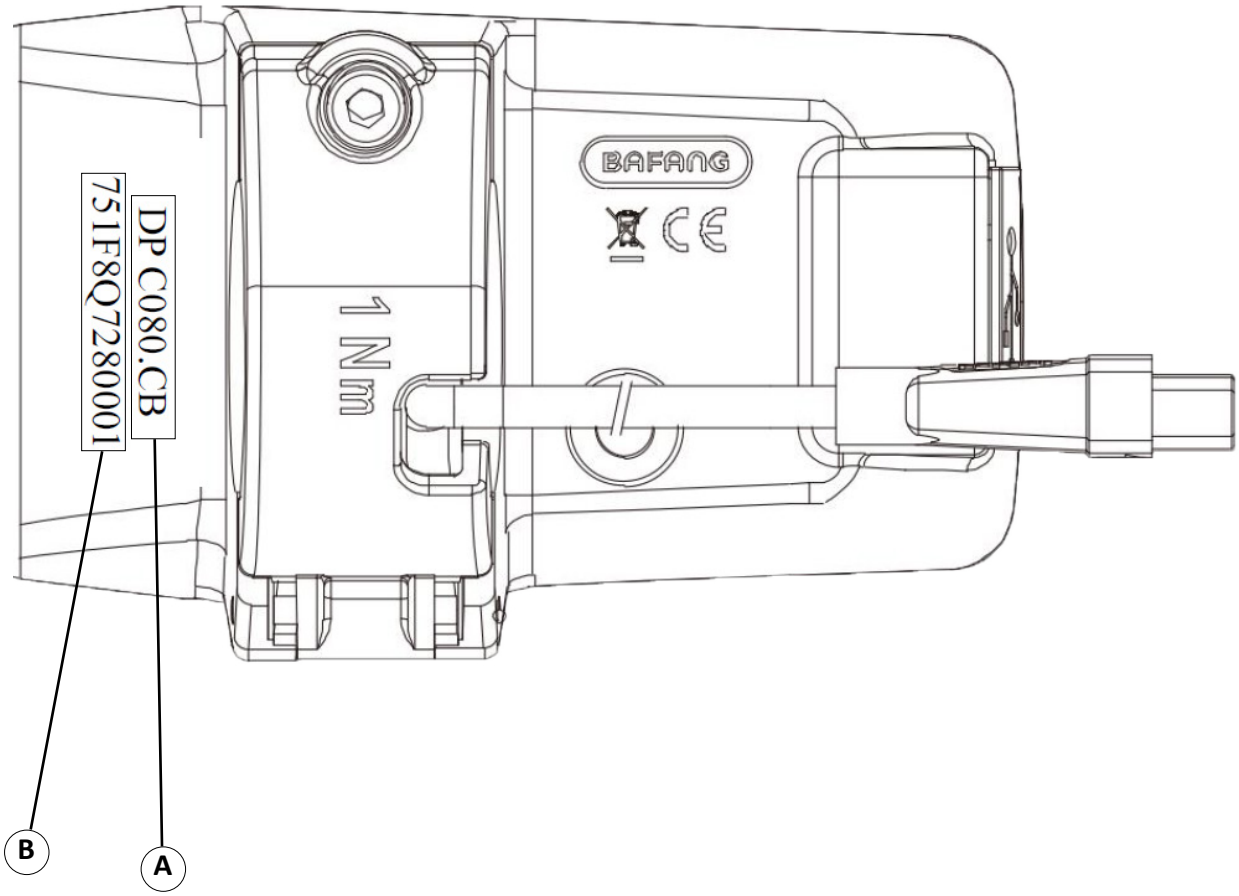
- **Numbering on the back of the product:** The model and serial number is printed in two centered lines on the back of the display.



A. **Model:** DP C080.CB
B. **Serial Number:** 751F8Q7280001:

Install the Display (HMI)

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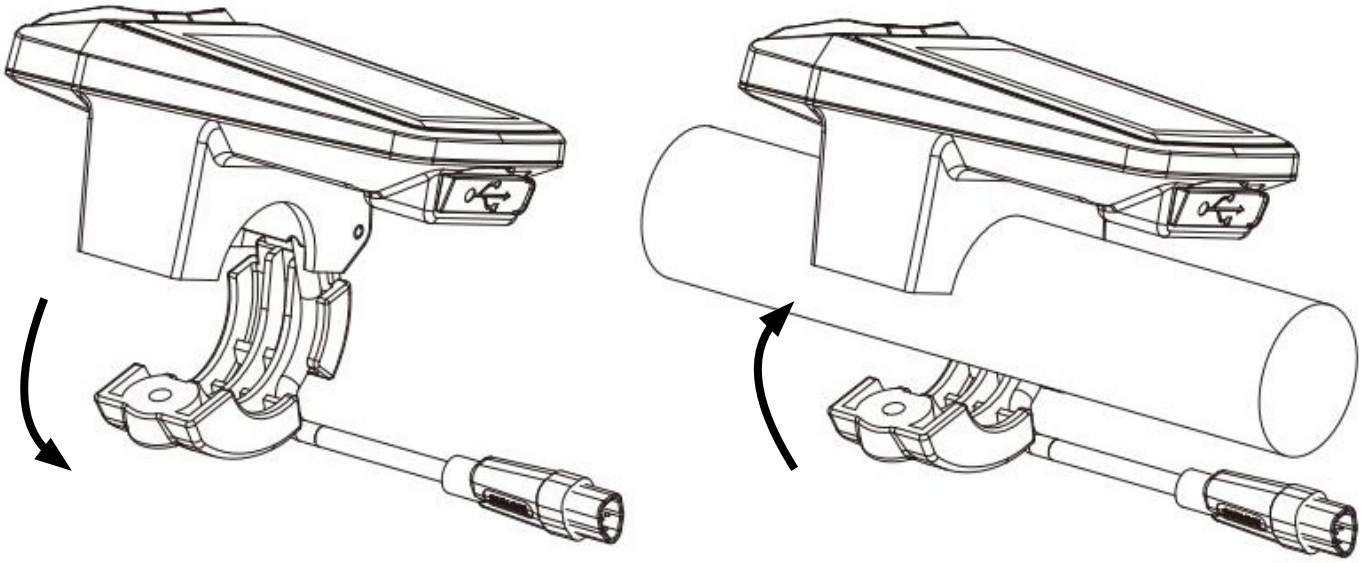
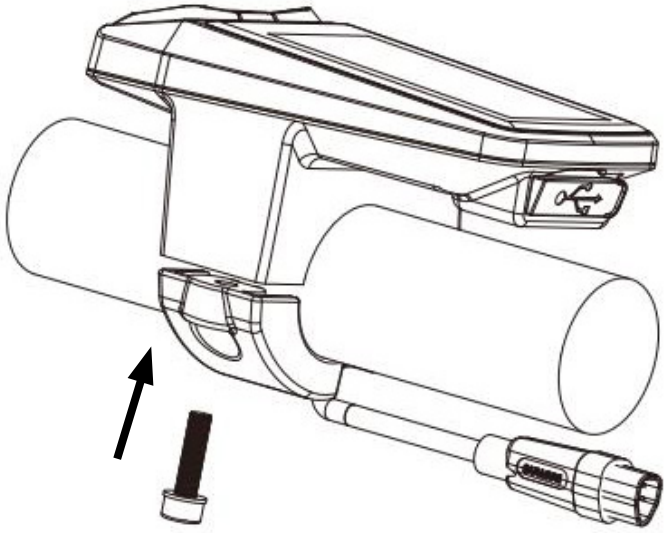
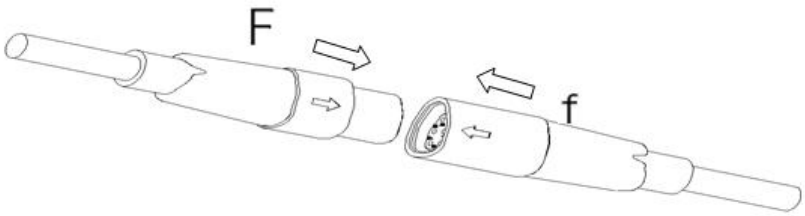


- Open the clamp band, put the cable into the slot, and adjust the HMI to the position suitable for operation.
- (Applicable to Φ22.2mm outer diameter handlebar)

- Adjust the angle for better visibility of the HMI screen while riding.
  - Tighten the M3*12 screw using a 2.5mm hex wrench.
  - [Tightening torque: 1 N·m]



- Connect the HMI with EB-BUS according to the symbols: F. HMI male connector; f. EB-BUS female connector.



Display Interface

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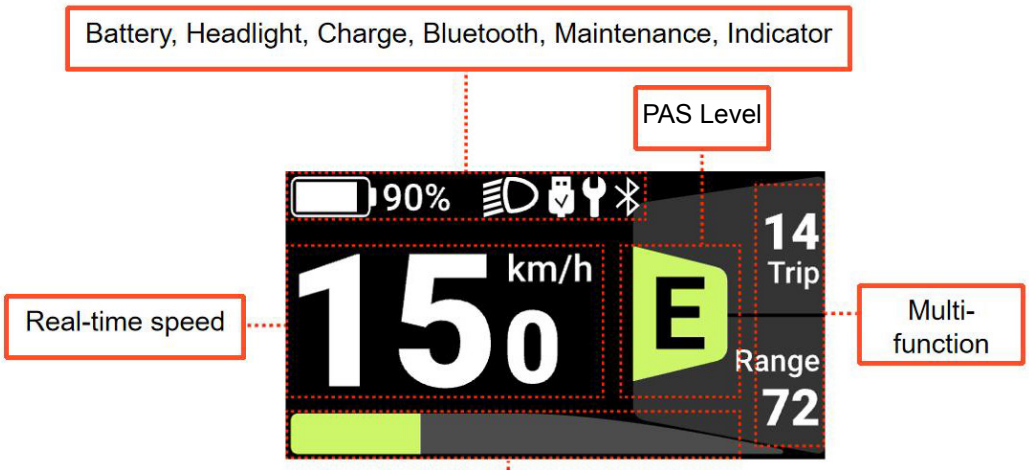
- The display on your **E350 electric trike** serves as a central hub of information and control, enhancing your riding experience by providing key data and allowing you to adjust various settings.

- **Display Interface Overview**

- **Trip Distance:** Shows single-trip mileage.
- **Range:** Remaining riding distance based on current battery level.
- **Power Assist Mode:** Displays the current assist level: 0, E, T, S, S+, B (from no assist to Boost mode).
- **Headlight Indicator:** Displays a headlight symbol when the headlight is turned on, and disappears when turned off.
- **Charging Indicator:** Displays a charging symbol when the USB port is actively charging a device.
- **Maintenance Reminder:** Displays a maintenance icon when total riding distance reaches 3,107 miles (5,000 km).
- **Bluetooth Connection:** Displays a Bluetooth symbol when connected via Bluetooth.
- **SOC Indicator:** Shows the battery's State of Charge (SOC) as a percentage.
- **Real-Time Speed:** Shows the current riding speed on the display.
- **Motor Power Bar:** Indicates the current motor output power level.



Powering On Your E-Bike

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- **To turn on,** press the **Power button** on the handlebar-mounted display for at least 2 seconds until the display lights up. The display will default to the main screen, which shows the Battery Level, Current Speed, Power Assist Mode, Trip Distance, and Estimated Range.

- **To turn off,** press the **Power button** on the handlebar-mounted display for at least 2 seconds until the display goes dark.

- **Note:** The throttle is disabled at startup and only activates once **(PAS)** is set to **Eco** or higher.

Adjusting The Power Assist Level

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- **Adjust the Power Assist System (PAS) Levels**: Select your preferred level of motor assistance, from **0 (no assist)** to **Boost mode** for maximum support. Use the **(+) Plus and (–) Minus buttons** to increase or decrease the assistance level based on your riding needs.

- (Walking Bike Icon) Walk
- (O) Neutral
- (E) Eco Mode
- (T) Touring Mode
- (S) Sport Mode
- (S+) Sport Plus Mode
- (B) Boost Mode

Viewing Ride Data

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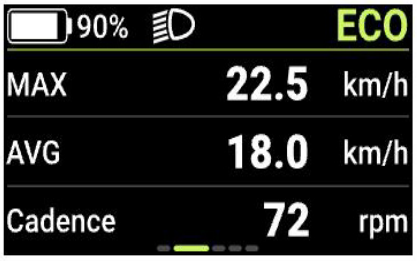
- **To switch between ride data screens,** press the power button.

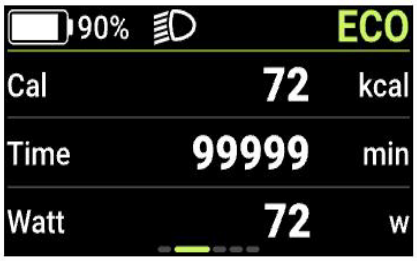
- **Main View (Screen 1):**
  - Battery level
  - Light-on indicator
  - Current speed
  - Current (PAS) level
  - Trip distance
  - Estimated range
  - Motor power bar

- **Additional ride data (Screen 2):**
  - Current speed
  - Trip distance
  - Odometer

- **Additional ride data (Screen 3):**
  - Max speed
  - Average speed
  - Cadence



- **Additional ride data (Screen 4):**
  - Calories
  - Time
  - Watts



Powering On/Off Lights

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- **To turn on,** press the **(+) button** on the handlebar-mounted display for at least 2 seconds. The lights will turn on and a **headlight symbol** will appear on the display.

- **To turn off,** press the **(+) button** on the handlebar-mounted display for at least 2 seconds. The lights will turn off, and the **headlight symbol** will disappear from the display.

- **Note:** The display screen will dim when the lights are powered on and return to its original brightness when the lights are powered off.

Using Walk Assist Mode

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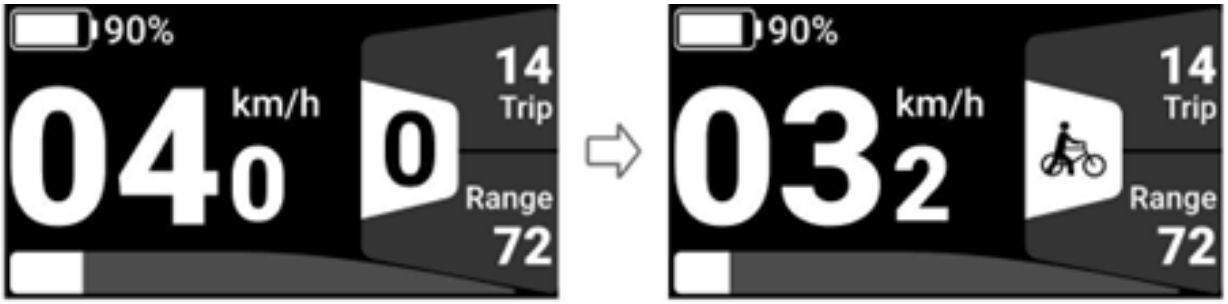
- **Using Walk Assist Mode:**
- Set the pedal assist level to (0) using the **(-) Minus button** and prepare to start walking.
- Next set the pedal assist level to “Walk Mode” using the **(-) Minus button**
- Then press and hold the **(-) Minus button** to engage Walk Assist.
  - The walking mode icon will flash when walk assist is active
  - The bike will move forward at 1.5 mph
  - Release the **(-) Minus button** to exit walking mode
  - The assist level will automatically revert to PAS (0) after 5 seconds of no movement.



USB Type-C Charging

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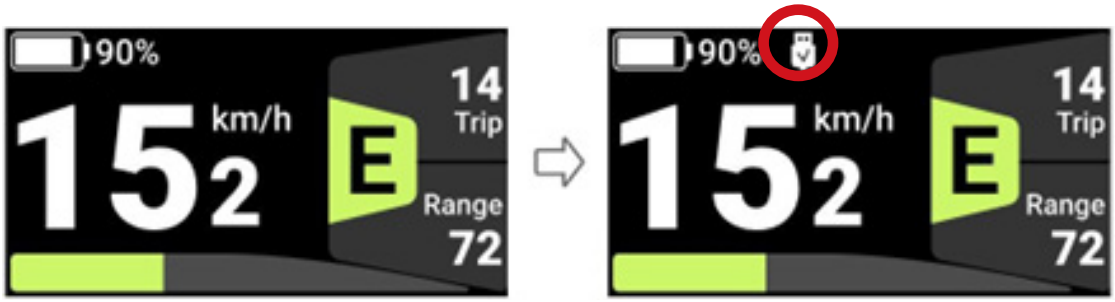
The Bafang DP C080 display features a built-in **USB Type-C charging port**, suitable for charging devices such as your cell phone.

- Maximum output voltage: 5V
- Maximum output current: 500 mA
- Note: Charging cable is not included

Charging Port Location

Charging Disconnect/Connect Icon



WARNING! – USB Type-C charging port is not intended to charge the e-bike battery.

Bluetooth

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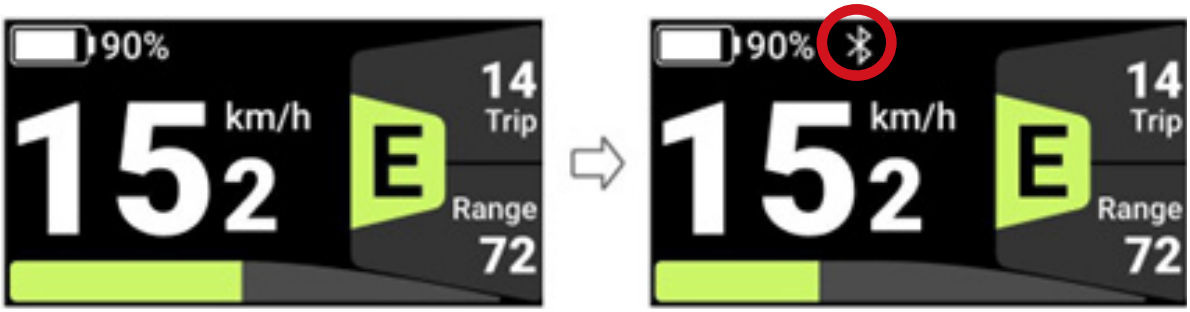
The Bafang DP C080 display seamlessly pairs with the Bafang Go+ companion app via Bluetooth. This versatile app, designed for both iOS and Android devices, can be easily downloaded from the Google Play Store or Apple App Store.

Scan the QR code below to install the app.

ANDROID

IOS

Bluetooth Disconnect/Connect Icon



Settings

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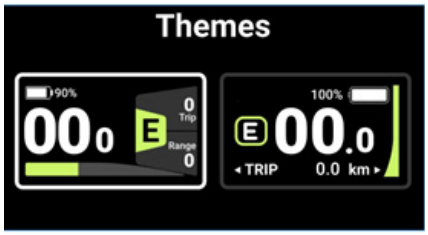
- **To enter Setting Mode**: Press and hold the (+) plus and (-) minus buttons simultaneously to enter the Settings Screen

- **To select desired Setting:** Press the (+) plus or (-) minus button to switch between the different Settings and press the power button to enter

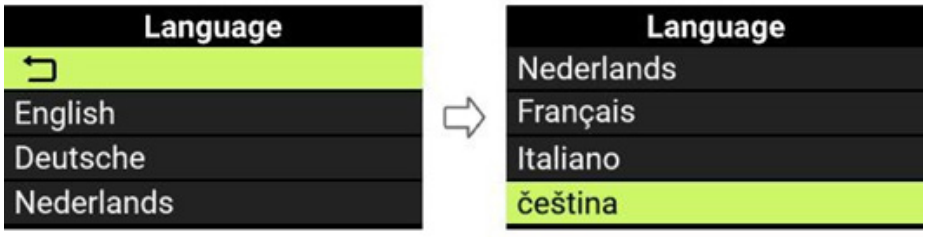
- **HMI Settings**
  - Unit
  - Service tips
  - Auto off
  - Trip reset
  - Brightness
  - AL sensitivity

- **Information**
  - HMI Info
  - Controller Info
  - Sensor Info
  - Battery Info
  - Error Code
  - Warn Code

- **Themes**
  - Style 1
  - Style 2



- **Languages**
  - English
  - German
  - Netherlands
  - French
  - Italian
  - Czech



Settings

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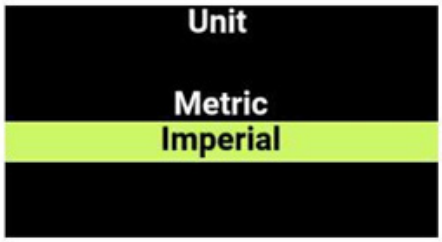
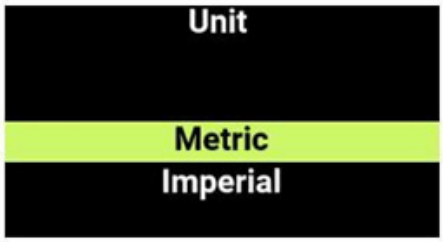
- **Change Units:**
  - Select between Imperial and Metric
  - Press (+) and (-) for at least 2 seconds to enter the **"Setting"** mode
  - Press (+) or (-) to select **"HMI Setting"**
  - Press the **"Power button"** to enter **"HMI Setting"** mode
  - Press (+) or (-) to select **"Unit"**
  - Press **"Power button"** to enter **"Unit"** mode
  - Press (+) or (-) to select **"Metric"** or **"Imperial"**
  - Press the **"Power button"** to confirm your selection and return to **"Unit"**
  - Press (+) and (-) for at least 2 seconds to return to the main screen
  - Or Press (+) or (-) to select **"Back"** and then Press (+) or (-) to select **"Exit"** and then press the **"Power button"** to confirm **"Exit"**

- **Note:** All information on the main interface of metric system is metric system, and the same for the Imperial system.
- **Note:** "Metric" means metric units / "Imperial" means English units





- **Change Automatic Shut Off Time:**
  - Press (+) and (-) for at least 2 seconds to enter the **"Setting"** mode
  - Press (+) or (-) to select **"HMI Setting"**
  - Press **"Power button"** to enter **"HMI Setting"** mode
  - Press (+) or (-) to select **"Auto Off"**
  - Press the **"Power button"** to enter **"Auto Off"** mode
  - Press (+) or (-) to select **"Off", "1Min", "2Min", "3Min", 4Min", "5Min", "6Min", "7Min", "8Min", "9Min",** or **"10Min"**
  - Press **"Power button"** to confirm your selection and return to "Auto Off"
  - Press (+) and (-) for at least 2 seconds to return to the main screen
  - Or Press (+) or (-) to select **"Back"** and then Press (+) or (-) to select **"Exit"** and then press the **"Power button"** to confirm **"Exit"**

Settings

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- **Change Screen Brightness**
  - Press (+) and (-) for at least 2 seconds to enter the **"Setting"** mode
  - Press (+) or (-) to select **"HMI Setting"**
  - Press **"Power button"** to enter **"HMI Setting"** mode
  - Press (+) or (-) to select **"Brightness"**
  - Press the **"Power button"** to enter **"Brightness"** mode
  - Press (+) or (-) to select **"25%", "50%", "75%",** or **"100%"**
  - Press **"Power button"** to confirm your selection and return to "Brightness"
  - Press (+) and (-) for 2 at least seconds to return to the main screen
  - Or Press (+) or (-) to select **"Back"** and then Press (+) or (-) to select **"Exit"** and then press the **"Power button"** to confirm **"Exit"**

- **Change AL Sensitivity**
  - Adjusts how sensitive the automatic headlight feature is to ambient light. Higher settings cause the lights to turn on in brighter conditions, while lower settings require darker environments to activate the lights.
  - Press (+) and (-) for at least 2 seconds to enter the **"Setting"** mode
  - Press (+) or (-) to select **"HMI Setting"**
  - Press **"Power button"** to enter **"HMI Setting"** mode
  - Press (+) or (-) to select **"AL Sensitivity"**
  - Press the **"Power button"** to enter **"AL Sensitivity"** mode
  - Press (+) or (-) to select **"OFF", "1", "2", "3", "4",** or **"5"**
  - Press **"Power button"** to confirm your selection and return to "Brightness"
  - Press (+) and (-) for at least 2 seconds to return to the main screen
  - Or Press (+) or (-) to select **"Back"** and then Press (+) or (-) to select **"Exit"** and then press the **"Power button"** to confirm **"Exit"**

- **Reset Single Trip Mileage**
  - Press (+) and (-) for at least 2 seconds to enter the **"Setting"** mode
  - Press (+) or (-) to select **"HMI Setting"**
  - Press **"Power button"** to enter **"HMI Setting"** mode
  - Press (+) or (-) to select **"Trip Reset"**
  - Press the **"Power button"** to enter **"Trip Reset"** mode
  - Press (+) or (-) to select **"YES",** or **"NO"**
  - Press **"Power button"** to confirm your selection and return to "Trip Reset"
  - Press (+) and (-) for at least 2 seconds to return to the main screen
  - Or Press (+) or (-) to select **"Back"** and then Press (+) or (-) to select **"Exit"** and then press the **"Power button"** to confirm **"Exit"**

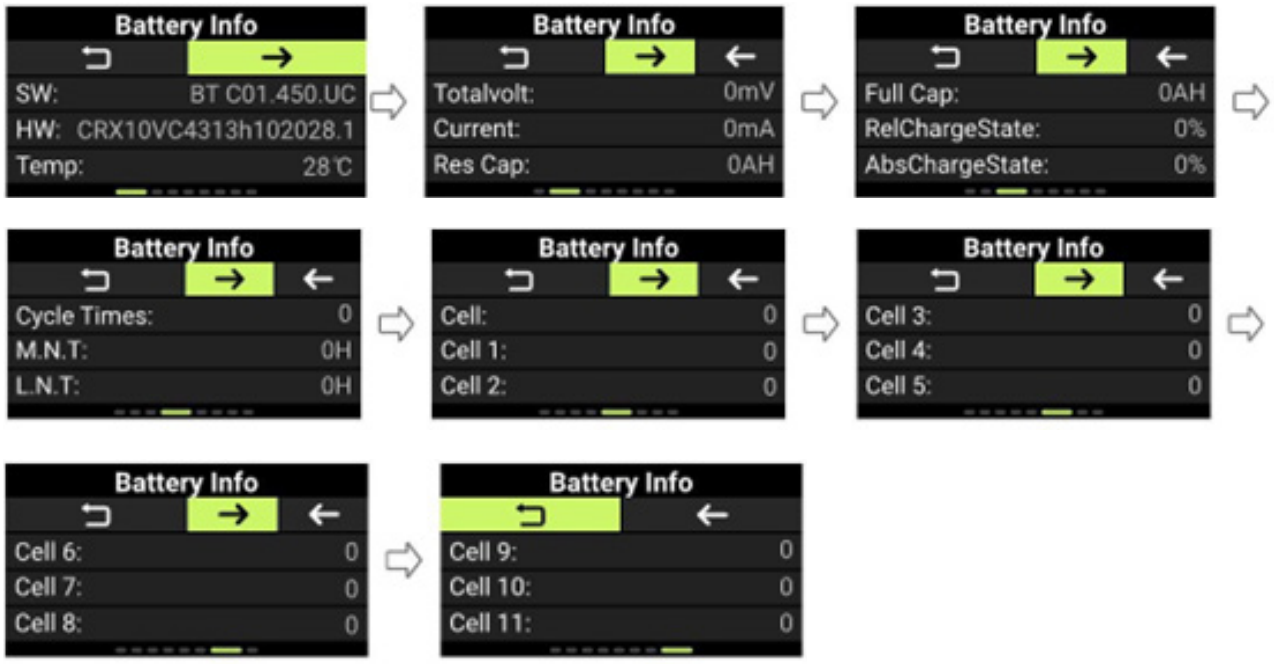
  - **Note: "Trip Reset"** also clears **"Trip Time"** at the same time

- **Turn On/Off the Maintenance Prompt**
  - Press (+) and (-) for at least 2 seconds to enter the **"Setting"** mode
  - Press (+) or (-) to select **"HMI Setting"**
  - Press **"Power button"** to enter **"HMI Setting"** mode
  - Press (+) or (-) to select **"Service Tips"**
  - Press the **"Power button"** to enter **"Service Tips"** mode
  - Press (+) or (-) to select **"YES",** or **"NO"**
  - Press **"Power button"** to confirm your selection and return to "Service Tips"
  - Press (+) and (-) for 2 at least seconds to return to the main screen
  - Or Press (+) or (-) to select **"Back"** and then Press (+) or (-) to select **"Exit"** and then press the **"Power button"** to confirm **"Exit"**

  - **Note: The maintenance prompt function is turned off by default. When it is turned on and the accumulated mileage of the e-trike exceeds 5,000 km / 3,107 miles, the "Service" symbol will appear on the display.**

- **View Battery Details**
  - **Battery Software / Hardware Version and Status Information**
  - Press (+) and (-) for at least 2 seconds to enter the **"Setting"** mode
  - Press (+) or (-) to select **"Information"**
  - Press **"Power button"** to enter **"Information"** mode
  - Press (+) or (-) to select **"Battery Info"**
  - Press the **"Power button"** to enter **"Battery Info"** mode
  - Press (+) or (-) to select **"→"**
  - Press **"Power button"** to confirm your selection
  - Press **"Power button"** to scroll through the **"Battery Info"** screens
  - Press (+) and (-) for at least 2 seconds to return to the main screen
  - Or Press (+) or (-) to select **"Back"** and then Press **"Power Button"** to return to "Battery Info" and then press (+) or (-) to select **"Exit"** and then press the **"Power button"** to confirm **"Exit"**

  - **Note:** Battery info is for reference only and cannot be modified



Settings

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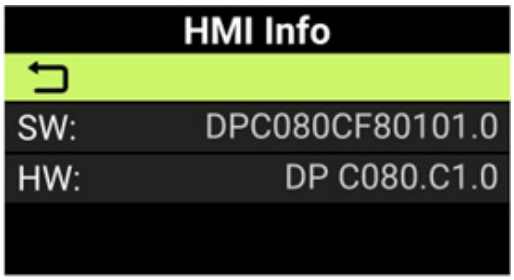
SW:	Software	
HW:	Hardware	
Temp:	Current temperature	°C
Totalvolt:	Total voltage	mV
Current:	Average current	mA
Res Cap:	Remaining capacity	Ah
Full Cap:	Full capacity	Ah
RelChargeState:	Relative charge state	%
AbsChargeState:	Absolute charge state	%
CycleTimes:	Total number of full charge cycles	times
M.N.T:	Maximum time since last charge (in hours)	Hour
L.N.T:	Last uncharged time	Hour
Cell:	Qty. of battery cells	
Cell 1:	Cell 1 voltage	mV
Cell 2:	Cell 2 voltage	mV
Cell 3:	Cell 3 voltage	mV
Cell 4:	Cell 4 voltage	mV
Cell 5:	Cell 5 voltage	mV
Cell 6:	Cell 6 voltage	mV
Cell 7:	Cell 7 voltage	mV
Cell 8:	Cell 8 voltage	mV
Cell 9:	Cell 9 voltage	mV
Cell 10:	Cell 10 voltage	mV
Cell 11:	Cell 11 voltage	mV
Cell 12:	Cell 12 voltage	mV
Cell 13:	Cell 13 voltage	mV

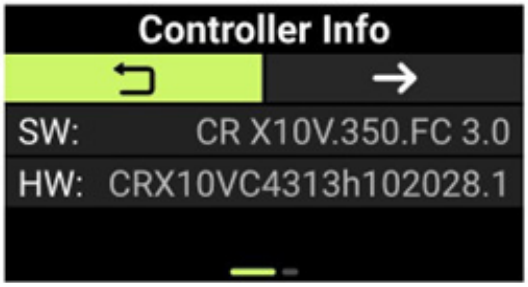
- **View HMI Details**
  - HMI Software and Hardware version
  - Press (+) and (-) for at least 2 seconds to enter the **"Setting"** mode
  - Press the **"Power button"** to enter **"Information"** mode
  - Press (+) or (-) to select **"HMI Info"**
  - Press the **"Power button"** to enter **"HMI Info"**
  - Press the "Power button" again to return to **"Information"** menu
  - Press (+) and (-) for at least 2 seconds to return to the main screen
  - Or Press (+) or (-) to select **"Back"** and then Press (+) or (-) to select **"Exit"** and then press the **"Power button"** to confirm **"Exit"**

  - **Note:** HMI info is for reference only. Software cannot be modified or updated from the Display (HMI).



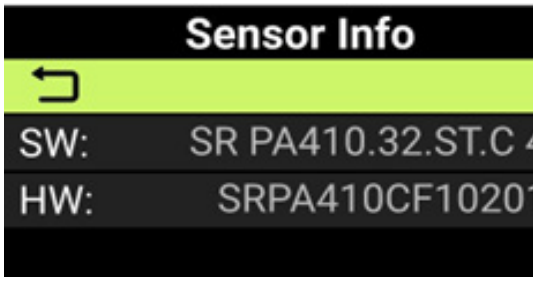
- **View Controller Details**
  - Controller Software and Hardware version
  - Press (+) and (-) for at least 2 seconds to enter the **"Setting"** mode
  - Press **"Power button"** to enter **"Information"** mode
  - Press (+) or (-) to select **"Controller Info"**
  - Press the **"Power button"** to enter **"Controller Info"**
  - Press the "Power button" again to return to **"Information"** menu
  - Press (+) and (-) for at least 2 seconds to return to the main screen
  - Or Press (+) or (-) to select **"Back"** and then Press (+) or (-) to select **"Exit"** and then press the **"Power button"** to confirm **"Exit"**

  - **Note:** Controller info is for reference only. Software cannot be modified or updated from the Display (HMI).



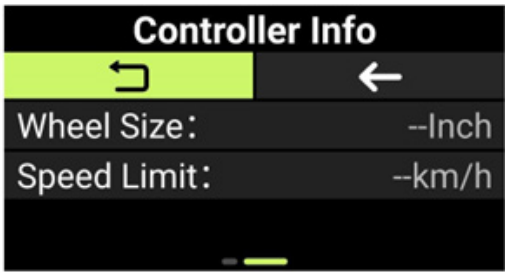
- **View Sensor Details**
  - Sensor Software and Hardware version
  - Press (+) and (-) for at least 2 seconds to enter the **"Setting"** mode
  - Press **"Power button"** to enter **"Information"** mode
  - Press (+) or (-) to select **"Sensor Info"**
  - Press the **"Power button"** to enter **"Sensor Info"**
  - Press the "Power button" again to return to **"Information"** menu
  - Press (+) and (-) for at least 2 seconds to return to the main screen
  - Or Press (+) or (-) to select **"Back"** and then Press (+) or (-) to select **"Exit"** and then press the **"Power button"** to confirm **"Exit"**

  - **Note:** Sensor Info is for reference only. Software cannot be modified or updated from the display (HMI).



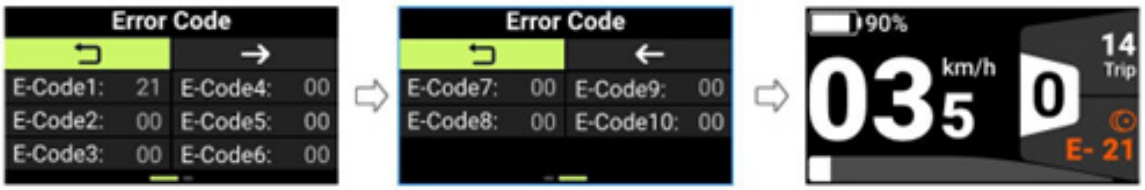
- **View Wheel Size and Speed Limit**
  - Press (+) and (-) for at least 2 seconds to enter the **"Setting"** mode
  - Press (+) or (-) to select **"Information"**
  - Press **"Power button"** to enter **"Information"** mode
  - Press (+) or (-) to select **"Controller Info"**
  - Press the **"Power button"** to enter **"Controller Info"** mode
  - Press (+) or (-) to select **"→"**
  - Press **"Power button"** to confirm your selection
  - Press (+) and (-) for at least 2 seconds to return to the main screen
  - Or Press (+) or (-) to select **"Back"** and then Press (+) or (-) to select **"Exit"** and then press the **"Power button"** to confirm **"Exit"**

  - **Note:** Wheel size and speed limit are for reference only and cannot be modified from the display (HMI).



- **View Historical Error Codes**
  - Press (+) and (-) for at least 2 seconds to enter the **"Setting"** mode
  - Press (+) or (-) to select **"Information"**
  - Press **"Power button"** to enter **"Information"** mode
  - Press (+) or (-) to select **"Error Code"**
  - Press the **"Power button"** to enter **"Error Code"** mode
  - Press (+) or (-) to select **"→"**
  - Press **"Power button"** to confirm your selection
  - Press **"Power button"** to scroll through the error code screens
  - Press (+) and (-) for at least 2 seconds to return to the main screen
  - Or Press (+) or (-) to select **"Back"** and then Press **"Power Button"** to return to **"Information"** menu and then press (+) or (-) to select **"Exit"** and then press the **"Power button"** to confirm **"Exit"**

  - **Note:** Error codes are for reference only. Contact your local Pure Cycles retailer for assistance.
  - Note: You can only view the last 10 error messages.



- **Change Themes**
  - Press (+) and (-) for at least 2 seconds to enter the **"Setting"** mode
  - Press (+) or (-) to select **"Themes"**
  - Press **"Power button"** to enter **"Themes"** mode
  - Press (+) or (-) to select the desired theme
  - Press the "Power button" to confirm your selection

  - **Note:** A confirmation screen will appear with the following instructions:
    - The HMI will restart after confirmation to apply the new theme.
    - Press the **"Power button"** to accept.

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BAFANG

POWER YOUR LIFE

Error Code Troubleshooting

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Bafang hub motor equipped

ERRORS & WARNINGS

The drive system's parts are automatically monitored in real time. If a part is abnormal, the corresponding error or warning code is displayed on the Display (HMI).

Code	Cause	Troubleshooting Hub Motor System
Error 4	Throttle voltage abnormality detected	1. Turn the power OFF and then ON again. 2. Check whether the throttle is in place. 3. Disconnect the throttle and restart to check again. 4. If the error persists, stop use, and contact your place of purchase or dealer for assistance.
Error 5	Throttle abnormality detected when starting	1. Turn the power OFF and then ON again. 2. Check whether the throttle is in place. 3. Disconnect the throttle and restart to check again. 4. If the error persists, stop use, and contact your place of purchase or dealer for assistance.
Error 6	System voltage too low	1. Connect the charger and check whether the charger works properly. 2. Charge the battery to full power. 3. Install the battery onto the e-bike and turn it ON. 4. Make sure the correct model of battery is installed on your e-bike. 5. If the error persists, stop use, and contact your place of purchase or dealer for assistance.
Error 7	System voltage too high	1. Turn the power OFF and then ON again. 2. Make sure the correct model of battery is installed on your e-bike. 3. If the error persists, stop use, and contact your place of purchase or dealer for assistance.
Error 8	Motor hall signal abnormality detected	1. Check whether the motor cable is connected correctly or the cable is damaged. 2. If the error persists, stop use, and contact your place of purchase or dealer for assistance.
Error 9	Motor phase abnormality detected	1. Check whether the motor cable is connected correctly or the cable is damaged. 2. If the error persists, stop use, and contact your place of purchase or dealer for assistance.
Error 10	Motor overtemperature	1. Turn the power OFF, leave the drive unit in a cool location without direct sunlight until the internal temperature of the drive unit has decreased sufficiently, and turn the power ON again. 2. If the error persists, stop use, and contact your place of purchase for assistance.

Error Code Troubleshooting

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Code	Cause	Troubleshooting Hub Motor System
Error 11	Motor temperature sensor abnormality detected	1. If the error persists, stop use, and contact your place of purchase or dealer for assistance.
Error 12	Abnormality detected in the controller	1. If the error persists, stop use, and contact your place of purchase or dealer for assistance.
Error 13	Abnormality detected in the controller	1. If the error persists, stop use, and contact your place of purchase or dealer for assistance.
Error 14	Controller overtemperature	1. Turn the power OFF, leave the drive unit in a cool location without direct sunlight until the internal temperature of the drive unit has decreased sufficiently, and turn the power ON again. 2. If the error persists, stop use, and contact your place of purchase for assistance.
Error 15	Controller temperature sensor abnormality detected	1. If the error persists, stop use, and contact your place of purchase or dealer to replace the controller.
Error 18	Motor stall	1. Turn the power OFF and then ON again, and test again with the walk assistance mode. 2. If the error persists, stop use, and contact your place of purchase or dealer for assistance.

NOTE! – Periodically, updates and addenda may be issued for this document. To ensure you have the most up-to-date information, please check purecycles.com or contact customer service at support@purecycles.com.

WARNING! – In order to protect the electric parts, before disconnecting parts, please turn the power OFF first and then disconnect the power cable of the disconnected part. When installing the parts, please connect the parts first, then connect the power cable of the parts, and finally turn the power ON.

Motor Specifications

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Brand:	Bafang
Model:	RM G0210.350.D Rear Hub Motor
Rated Voltage:	48V DC
Rated Power:	350W / Efficiency (%): >80 / Noise Grade: < 55dB
Max Torque:	55 N·m
Water Resistance:	IPX6
Certificates:	CE
Operating Temperature:	-4°F ~ 113°F (-20°C ~ 45°C)
Weight:	7.5 lb (3.4 kg)

Throttle Specifications

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Brand:	Wuxing
Model:	300X
Rated Voltage:	Working Voltage 5v / Output Voltage 0.8-4.2V
Water Resistance:	IPX5
Certificates:	RoHS / REACH
Operating Temperature:	-13°F ~ 149°F (-25°C ~ 65°C)
Weight:	35g

WARNING! – Use caution when mounting, dismounting, or walking the e-bike — accidental throttle activation may cause sudden forward movement.

Battery Specifications

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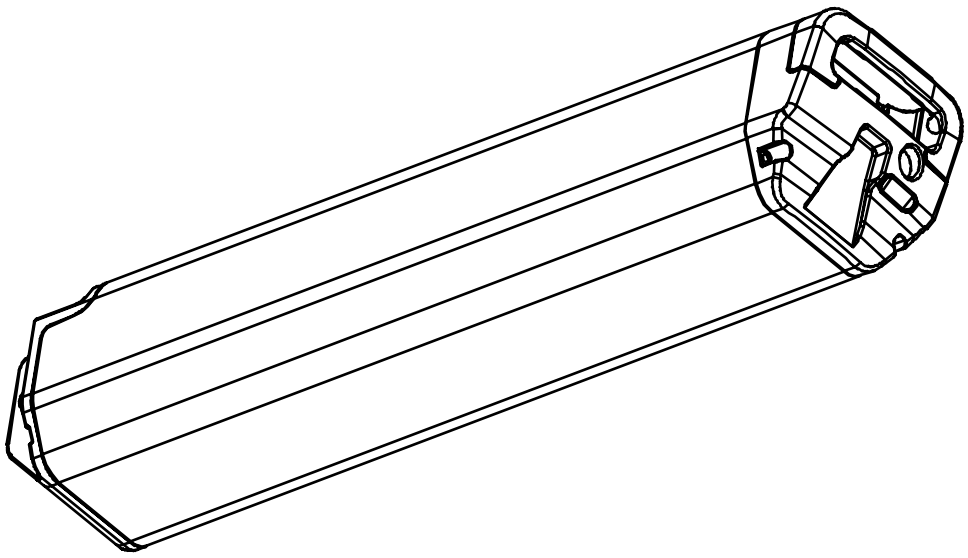
Brand:	Bafang
Model:	BT F012.D720.C
Pack Dimensions:	398.4mm (L) x 82.9mm (W) x 73.9mm (H)
Communication:	CAN Protocol
Pack Configuration:	13S3P
Cell Type:	LG INR21700M50LT
Rated Energy:	720 Wh
Rated Voltage:	48V DC
Capacity:	15 Ah
Water Resistance:	IPX6
Certificates:	UL 2271
Operating Temperature:	Charge: 32°F ~ 104°F (0°C ~ 40°C)
Operating Temperature:	Discharge: 4°F ~ 140°F (-20°C ~ 60°C)
Storage Temperature:	Up to 1 Month: 4°F ~ 131°F (-20°C ~ 55°C)
Storage Temperature:	Up to 3 Months: 4°F ~ 113°F (-20°C ~ 45°C)
Storage Temperature:	3 Months or more: 4°F ~ 77°F (-20°C ~ 25°C)
Storage Humidity:	Under 60% Relative Humidity
Storage Charge Level:	60%~80%
Standard Charge:	2A CC Charge until 54.6V, 200mA CV cut-off
Maximum Charge Current:	5A
Weight:	7.7 lb (3.5 kg)



WARNING! – Only charge with original charger included with this e-bike.
WARNING! – Lock the battery before riding, and remove the key to prevent loss.
WARNING! – This e-bike is designed for use only with 48V / 15Ah OE battery.

Battery Specifications

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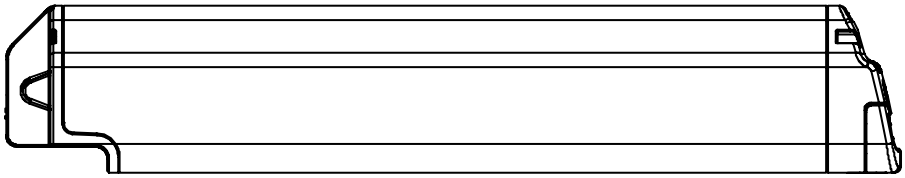
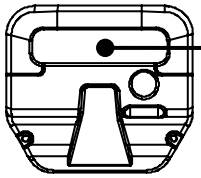
Battery Features

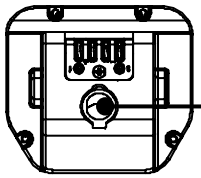
Side View



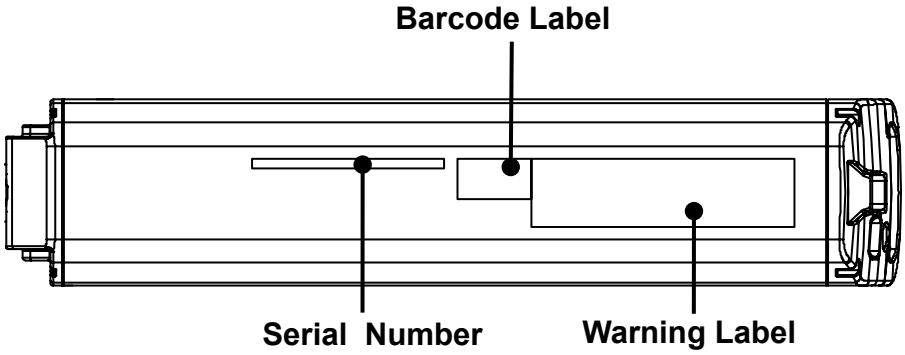
Top View



Bottom View



Label View



Battery Sleep/Wake Functions	
Item	**Details**
Sleep Mode	**Battery will enter sleep mode when any of the following conditions are met:**
	State of Charge (SOC) ≥ 40% for 30 days
	State of Charge (SOC) ≥ 10% for 14 days
	State of Charge (SOC) ≥ 1% for 48 hours
	State of Charge (SOC) < 1% for 10 minutes
(Battery will go to sleep automatically)	
Waking the Battery	**Battery will wake when any of the following occur:**
	Connect the battery to the charger
Charging	The charging port carries no voltage until the charger is connected.
	Charger will only output power if it detects the correct identification resistor

NOTE! – Battery sleep and wake functions vary by model. The details here apply only to the Bafang BT F012.D720.C battery used with the Pure FLUX Electric Bike.

Battery

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Battery Troubleshooting		
Fault status	Cause of failure	Troubleshooting
Output failure	The battery pack output line is not connected	Connect the battery pack output line correctly according to the instructions
	Battery is empty	Charge the battery
Charge failure	Charger output plug	Check the connector is connected
	Battery is full	Battery works
Note: for more questions, please contact technical or service personnel		

Battery Precautions & Warnings

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Read Before Use:
- Carefully read all safety instructions and labels on the battery before using it.
- Use the battery only in safe, appropriate evironments. Keep it away from extreme temperatures, high-voltage areas, and other hazardous conditions.

Keep Away from Children:
- Keep the battery out of reach of children, and never throw or misuse the battery.

Avoid Short Circuits and Disassembly:
- Do not short-circuit the battery terminals (anode and cathode).
- Never disassemble or tamper with the battery, and avoid exposing it to moisture, which can increase the risk of damage or failure.

Storage Guidelines:
- If storing the battery for a long period:
  - Keep it in a cool, dry place.
  - Store it at approximately 60–80% charge.
  - Use non-conductive packaging to avoid contact with metal objects or other batteries.

Proper Disposal:
- Dispose of used or damaged batteries responsibly.
- Do not throw them into fire or water. Follow local regulations for battery recycling or disposal.

Use Only with Approved Devices:
- Do not use this battery in devices it was not designed for.
- Improper use can reduce battery life or cause dangerous reactions, including overheating, smoke, deformation, or fire.

Built-in Safety Features:
- This battery includes a protection circuit to help prevent dangerous conditions.
- Do not disassemble the battery, as this can disable the safety system and lead to overheating, smoke, fire, or deformation.

Avoid Metal Contact:
- Never allow the battery terminals (electrodes) to touch metal objects.
- Do not store or transport the battery with metal items (e.g., tools or coins), as this can cause a short circuit, resulting in high current flow, which may lead to overheating, smoke, fire, or deformation.

Keep Away from Heat and Flames:
- Do not heat, burn, or expose the battery to open flames or high temperatures.
- Excessive heat can damage internal components, causing the battery to overheat, smoke, deform, or catch fire.

Temperature Limits:
- Never use or store the battery near heat sources or in environments over 75°C (167°F).
- High temperatures may lead to internal short circuits and cause the battery to overheat, smoke, deform, or ignite

Battery Precautions & Warnings

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Avoid Water Exposure:
- Do not expose the battery to water or high humidity.
- Moisture can damage the internal protection circuit and cause abnormal chemical reactions, leading to overheating, smoke, deformation, or fire.

Charge Safely:
- Do not charge the battery near fire or in direct sunlight.
- Only use the charger designed for this battery. Using an incorrect charger can disable safety features and result in dangerous overheating or fire.

Do Not Damage the Battery:
- Never crush, puncture, strike, or otherwise damage the battery.
- Any physical damage may cause internal failure, leading to heat, smoke, fire, or deformation.

- **Do Not Plug Directly Into a Wall Outlet:**
- Never connect the battery directly to a power outlet.
- This can result in high voltage and current flow, which may severely damage the battery and create a fire hazard.

Use Only with Approved Devices:
- Do not use this battery in devices it was not designed for.
- Improper use can reduce battery life or cause dangerous reactions, including overheating, smoke, deformation, or fire.

⚠ IMPORTANT - READ BEFORE FIRST USE ⚠

- **Before operating or charging your FLUX Electric Bike, you must read the included Pure Cycles Li-Ion Battery Safety Manual. This manual contains critical safety instructions essential for the safe operation and charging of your trike's battery.**
  - The printed version is provided in English, Chinese, Spanish, and Russian.
  - A digital version is also available in 13 languages for easy access and reference.

Print Version

PURE CYCLES
LOS ANGELES, CALIF.

Li-Ion Battery Safety Manual

- English
- Chinese
- Spanish
- Russian

Digital Version

PURE CYCLES
LOS ANGELES, CALIF.

Li-Ion Battery Safety Manual

- English
- Arabic
- Bengali
- Chinese
- Spanish
- French
- Haitian Creole
- Italian
- Korean
- Polish
- Russian
- Urdu
- Yiddish

Charger Specifications

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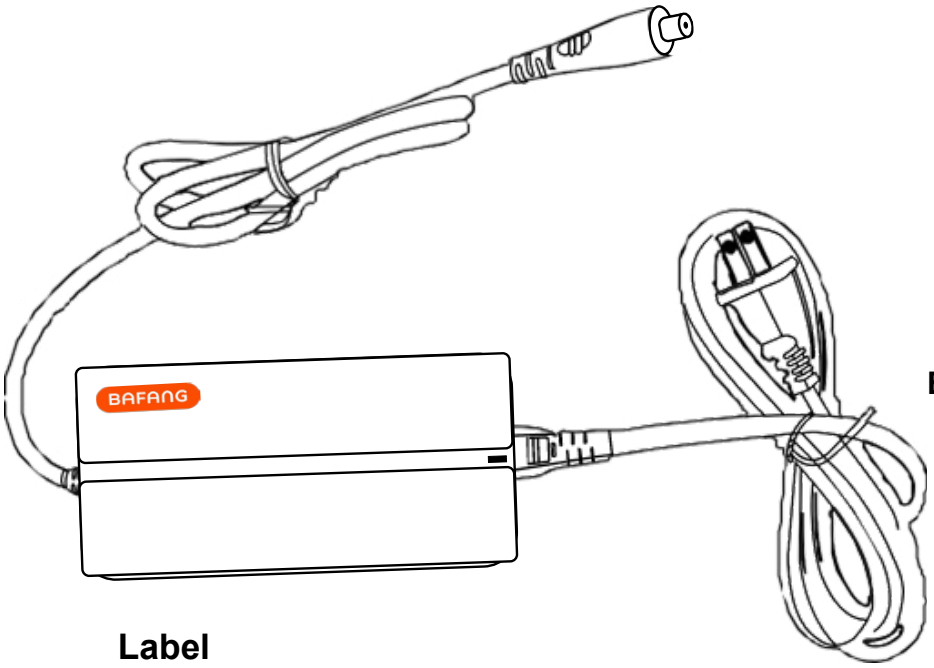
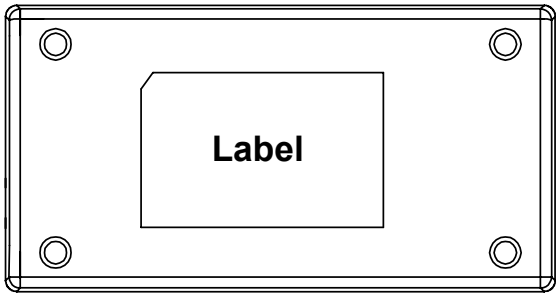
Brand:	Bafang
Model:	BC U302
Input Voltage:	100-240V AC ~ 2.0A (50/60Hz)
Output Voltage:	54.6V DC ~ 2.0A
Operating Temperature:	23°F ~ 176°F (-5°C ~ 80°C)
Storage Temperature:	77°F ~ 95°F (25°C ~ 35°C)
Storage Humidity:	55% ~ 65%
Charging Mode:	**Red Light** - Battery is charging
	Green Light - Battery is fully charged
Charge Time:	Approximately 7-8 hours from empty to full



Battery Safety Manual

Label



WARNING! – Charging port and charger may become hot during use – handle with care.

Warning Labels

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1. **Top Tube Warning Sticker**
2. **Seat Tube E-Bike Classification Sticker**

1

⚠ WARNING

This product can expose you to chemicals including Lead, DEHP, DiNP and BPA which are known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Read Owner's Manual before you ride. Never ride without a CPSC approved helmet; or at night without a light. Max rider weight is 250 lbs. Individuals must be at least 16 years old to operate this bike, and it must be assembled by a qualified mechanic.

Suitable for street and bike path riding only

Manufactured by Pure Cycles
11925 SW 128th St.
Miami, FL 33186

V.27

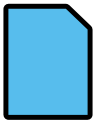
2

CLASS 2
350W // 20mph

ASSEMBLY

If you purchased your new FLUX E-Bike from a local Pure Cycles retailer, it should arrive fully assembled, adjusted, and properly fitted to you. However, if you purchased your e-bike online and it arrived unassembled, we strongly recommend taking it to an authorized Pure Cycles retailer for professional assembly and fitting.

Having your e-bike assembled by trained professionals is essential for safe operation, optimal performance, and to ensure your warranty remains valid. Improper self-assembly may result in setup errors, create safety risks, and void your warranty. For complete assembly instructions and additional safety information, please refer to the included Pure Cycles Owner's Manuals.



UPDATES

Periodically, updates and addenda may be issued for this document. To ensure you have the most up-to-date information, please check purecycles.com or contact customer service at support@purecycles.com.

FIND A RETAILER IN YOUR AREA

https://www.purecycles.com/pages/store-locator

FIND US ONLINE

https://www.purecycles.com

HAVE A QUESTION

support@purecycles.com

Assembly Table of Contents

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Note: The Table of Contents in interactive. Click any section to navigate directly to that part of the guide.

Preparing For Assembly

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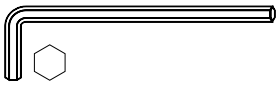
- **Gather all tools required for assembly**
  - Below are the recommended tools and supplies needed for assembly

15mm Pedal Wrench

Pliers / Cutters

Flat Blade Screwdriver

Phillips Screwdriver

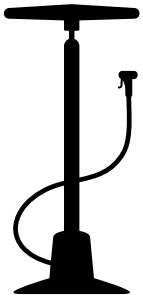


Metric Hex Wrench Set

Torque Wrench

Metric Sockets

Adjustable Wrench



Air Pump

Bicycle Grease

- **Select your work area**
  - A well-lit area, like a garage or outside space, is ideal.
  - Make sure you have plenty of space to move around.
  - Protect your work surface to prevent accidental damage, such as to carpet or wood floors.

Quick Reference

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Fastener Torque Specifications	Tool	Torque
Rear Wheel Axle Nuts	19mm metric socket	47-60 N·m
Seatpost Clamp Bolt	6mm hex wrench	8-10 N·m
Seatpost Rail Clamp Bolts	4mm hex wrench	9-10 N·m
Stem - Side Bolts	4mm hex wrench	5-7 N·m
Stem - Faceplate Bolts	4mm hex wrench	5 N·m
Brake Levers	5mm hex wrench	5 N·m
Display	2.5mm hex wrench	1 N·m
Throttle	3mm hex wrench	2 N·m
Shifter	2mm hex wrench	1.5 - 2 N·m
Rear Derailleur Cable Anchor Bolt	5mm hex wrench	6-7 N·m
Rear Derailleur Mounting Bolt	5mm hex wrench	8-10 N·m
Disc Brake Cable Anchor Bolt	5mm hex wrench	6-8 N·m
Disc Brake Post Mount Bolts	5mm hex wrench	6-8 N·m
Disc Rotor Bolts	T25 torx wrench	4-6 N·m
Crank Arm Bolts	8mm hex wrench	38-42 N·m
Chainring Bolts	6mm hex wrench	7-8 N·m
Pedals	15mm wrench	35 N·m
Kickstand Bolts	5mm hex wrench	8-10 N·m

Unpacking The Bike

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- **Opening the carton**
  - Remove the staples from the top of the carton with pliers or a flat-blade screwdriver and open box top flaps.
  - **Warning!** Staples have sharp edges. Dispose of them safely to avoid injury.

- **Unpacking the contents**
  - Carefully lift your new bike and all included parts out of the carton. Use two people if needed.
  - Double check the carton to ensure you have removed all contents.

- **Remove all packaging from your new bike**
  - First, cut the zip ties securing the front wheel, handlebar, and seat assembly from the rest of the bike and set to the side.
  - Be mindful not to cut the spokes, brake cables, and e-system wiring during this step.
  - Next, remove all remaining foam and cardboard packaging.

What's In The Box

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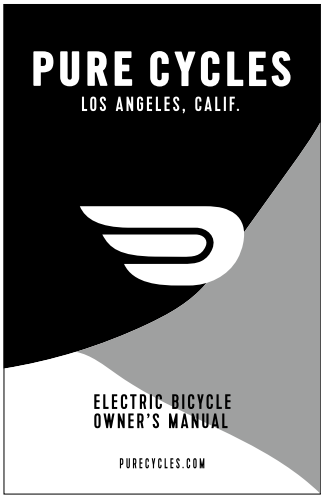
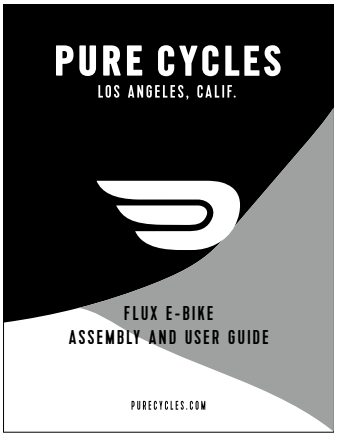
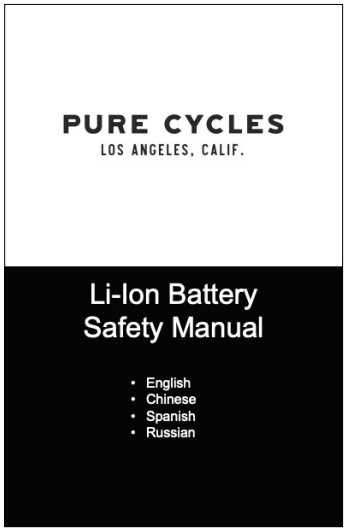


Pure Cycles Electric Bicycle Owner's Manual



①

FLUX Assembly & User Guide



Battery Safety Manual

What's In The Box

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ITEM	ASSEMBLY PART	QTY
1	Partially Assembled Bike	1
2	Front Wheel	1
3	Saddle, Seatpost, and Rear Light (pre-assembled)	1

What's In The Box

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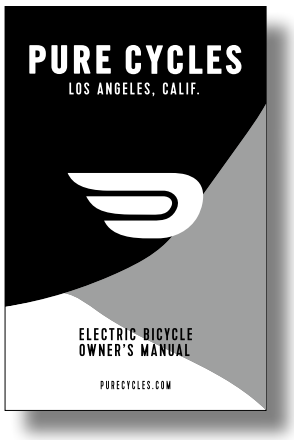
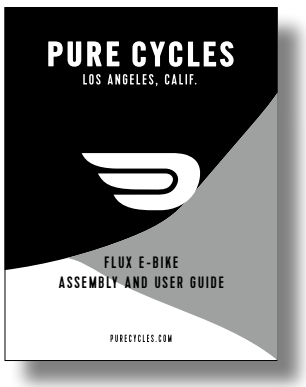
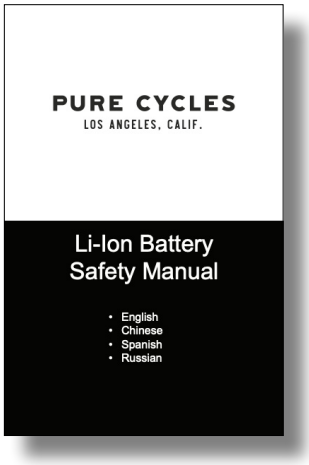
ITEM	PARTS BOX	QTY
1	Pure Cycles Electric Bike Owner's Manual	1
2	Pure Cycles Assembly & User Guide	1
3	Pure Cycles Battery Safety Manual	1
4	Front Handlebar Reflector (White)	1
5	Rear Seatpost Reflector (Red)	1
6	Pedals	1 pair
7	Front Wheel Quick Release Skewer	1







Install The Front Wheel

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Parts List

- 1 - Fork
- 2 - Front Wheel
- 3 - Front Quick Release Skewer

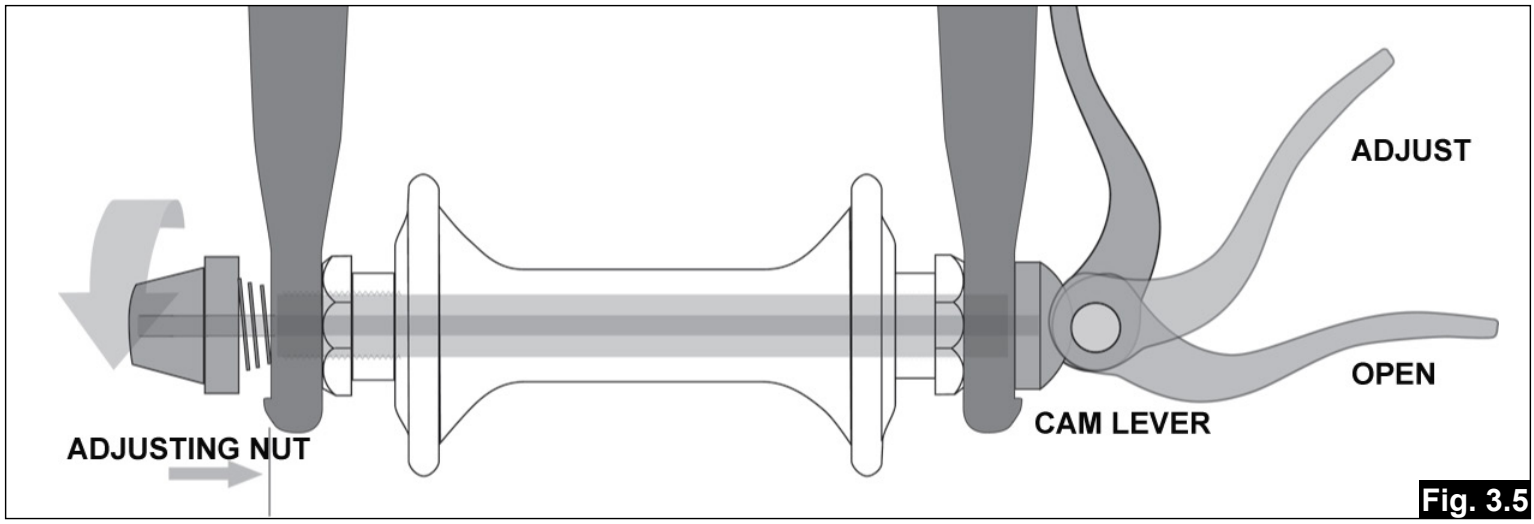

Fig. 3.5

Install The Front Wheel

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Parts List

- 1 - Fork
- 2 - Front Wheel
- 3 - Front Quick Release Skewer

Fig. 1

- Stand the bike upright and move the wheel into position between the fork legs - **Fig. 1**

Fig. 2

- Align the rotor between the brake pad on the disc caliper and place the front wheel axle into the fork dropouts -**Fig. 2**
- The wheel should sit straight and centered between the fork legs.

Fig. 3

- Install the front quick release skewer - **Fig. 3 & Fig. 3.5**
- Open the lever all the way
- Hand-tighten the adjustment nut until it makes contact with the dropout
- Close the lever toward the fork.
- It should begin to feel tight halfway through the closing motion and be firmly secured when fully closed
- Proper tightness is indicated if the lever leaves a light imprint on your palm
- When closed, the lever should point upward or toward the rear of the bike to avoid interference while riding

Position The Stem

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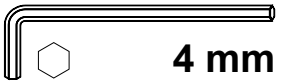
Parts List

- 1 - Stem



- Loosen both pinch bolts at the steer tube with a 4mm hex wrench - **Fig. 4**
- One turn counterclockwise should be sufficient

- Rotate the stem forward and align it with the front wheel - **Fig. 5**
- Tighten both pinch bolts evenly with a 4mm hex wrench
- **Torque Spec: 5-7 N·m**

- Temporarily remove all 4 faceplate bolts and the faceplate with a 4mm hex wrench - **Fig. 6**

Attach The Handlebar

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Parts List
- 1 - Stem
- 2 - Handlebar

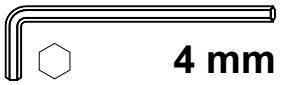

Fig. 7

- Move the handlebar into position - **Fig. 7**


Fig. 8

- Position faceplate and loosely install all 4 faceplate bolts
- Ensure the handlebar is centered in the stem using the alignment marks on the handebar clamp area - **Fig. 8**

Fig. 9

- Angle the handlebar to match the angle of the headtube - **Fig. 9**
- Evenly tighten all 4 faceplate bolts with a 4 mm hex wrench
- **Torque Spec: 5 N·m**

Check The Headset Adjustment

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Parts List

- 1 - Headset

Fig. 10

- Handlebars should move smoothly without resistance or play. Improperly adjusted headsets can cause handling issues, premature wear on parts, and compromise safety with unpredictable steering - **Fig. 10**

Fig. 11

- **TOO TIGHT:** When turning the handlebars, be attentive for roughness, a “notchy” feeling, resistance, or lack of smooth movement, which could suggest an overly tight headset. Additionally, listen for any unusual creaking or grinding sounds emanating from the headset area as you rotate the handlebars - **Fig. 11**

Fig. 12

- **TOO LOOSE:** With the front brake applied, gently rock the bike to check for any knocking, clunking, or headset play - **Fig. 12**
- Turn the handlebars slowly to assess smoothness; a loose headset may cause overly easy or loose movements lacking normal resistance

Adjust The Headset

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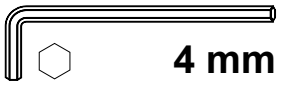
Parts List
- 1 - Headset
- 2 - Stem



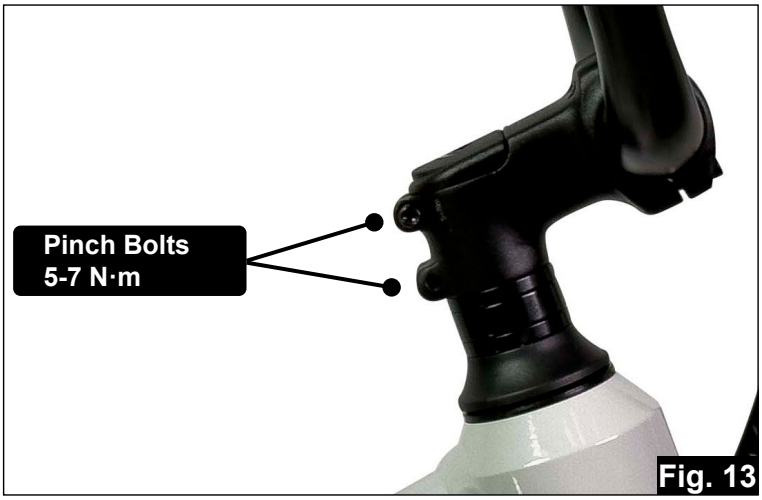


Fig. 13

- Loosen the stem pinch bolts on the side using a 4mm hex wrench - **FIG. 13**
- Gently rotate or wiggle stem to ensure it is not stuck

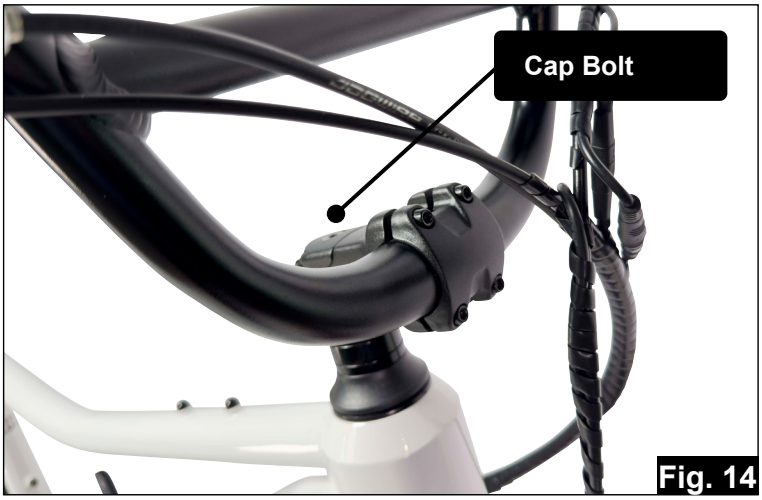


Fig. 14

- Gently turn the top cap bolt with a 4mm hex wrench. Clockwise to increase preload; counterclockwise to reduce it - **FIG. 14**
- Align the stem with the front wheel
- Tighten both pinch bolts with a 4 mm hex wrench to the recommended torque
- **Pinch Bolts Torque Spec: 5-7 N·m**


Fig. 15

- **Recheck the adjustment - Fig. 15**
- If the headset is still to tight or to loose, repeat the adjustment process
- Important Tip: Rotate the top cap bolt by only ⅛ to ¼ of a turn, then reassess the adjustment. Even a minor tweak can significantly impact the setup

- **WARNING:** If you're unsure whether your headset is properly adjusted, have it checked by a trained mechanic before riding.

Connect The Rear Light

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Parts List

- 1 - Rear light cable connector from the seat tube
- 2 - Rear light cable connector from the seatpost

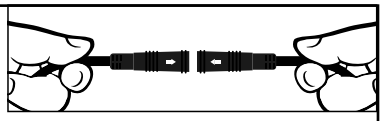

Fig. 16

- Locate the rear light connector extending from the seat tube slot - **Fig. 16**
- **Note:** For packing purposes, the wire has been routed beneath the seat clamp bolt and out through the seat tube slot. It must be repositioned before connecting.

Fig. 17

- Carefully push the connector back through the seat tube slot and out through the seat tube opening - **Fig. 17**

WARNING! – Attempting to insert the seatpost before repositioning the wire will result in permanent damage to the wire!

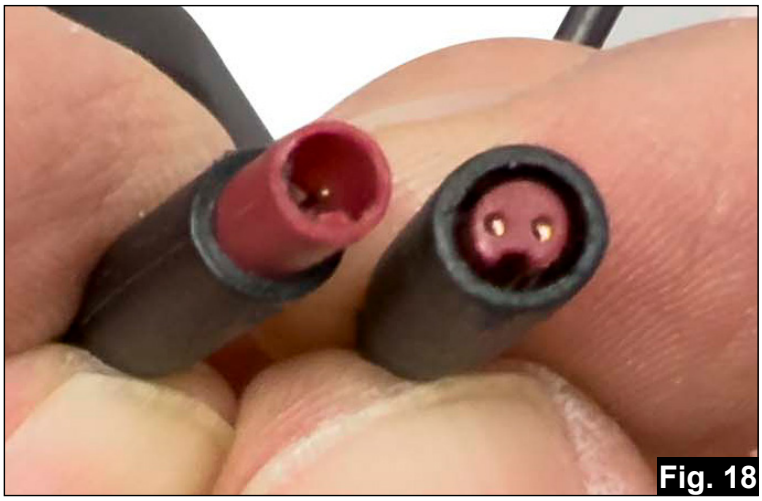

Fig. 18

- Align the arrows on both connectors, then push the connectors together **firmly but gently** until fully seated - **Fig. 18 & 19**

WARNING! – E-bike connectors—especially motor, display, and sensor plugs—are precision components and can be easily damaged if forced. Always align arrows or keyways before connecting. Insert gently and straight, without twisting or angling. Forcing a misaligned connector can bend pins, break seals, or cause electrical failure.

Connect The Rear Light

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Parts List

- 1 - Rear light cable connector from the seat tube
- 2 - Rear light cable connector from the seatpost

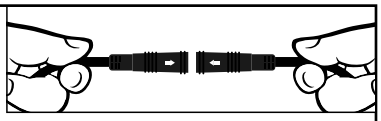

Fig. 19

- **Inspect the connection** to ensure there are no visible gaps and that the connectors are securely joined - **Fig. 19**

Fig. 20

- **Carefully gather and tuck** excess wire into the bottom of the seatpost to ensure the seatpost can be installed without pinching or damaging the wire - **Fig. 20**

Fig. 21

- **Insert the seatpost into the seat tube**, ensuring it slides in smoothly without resistance or interference from internal wiring.

Seatpost Installation

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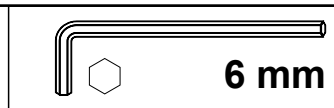
Parts List

- 1 - Saddle & Seatpost Assembly
- 2 - Seat Tube



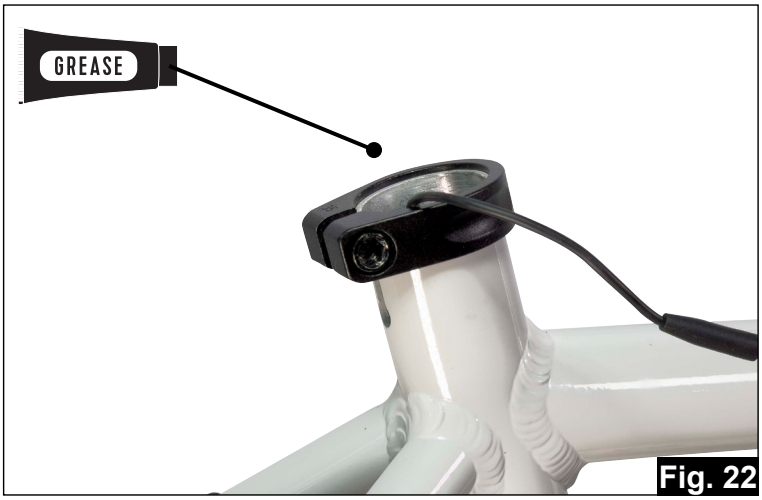


Fig. 22

- Apply a small amount of bicycle-specific grease to the inner surface of the seat tube - **Fig. 22**
- Bicycle grease will help reduce friction between the seatpost and the seat tube making it easier to adjust the seat height
- Bicycle grease will also prevent the seatpost from getting stuck due to friction or corrosion

Fig. 23

- Insert seatpost into the seat tube to your desired height
- Ensure the seatpost is inserted below the Minimum Insertion line shown above - **Fig. 23**
- If the line is visible, your seatpost is too high. This can cause permanent frame damage and pose a safety hazard

Fig. 24

- Tighten the seat clamp with a 6 mm hex wrench to the recommended torque - **Fig. 24**
- **Torque Spec: 10 N·m**

Adjust The Saddle

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Parts List
- 1 - Saddle
- 2 - Seatpost

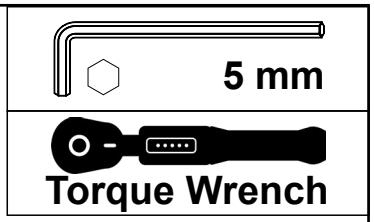

Fig. 25

- The saddle can be moved fore and aft as well as angled up and down
- Loosen the two bolts on the seatpost head with a 5 mm hex wrench - **Fig. 25**
- Adjust the saddle to the desired position, then retighten the bolts
- **Torque Spec: 9-10 N·m**

Fig. 26

- Use the markings on the saddle rails as a guide when adjusting the saddle fore and aft
- Positioning the saddle too far forward or too far back on the rails can cause damage to the saddle and the seatpost
- A good starting point is to position the saddle level with the ground and in the middle of the rails - **Fig. 25 & 26**
- Make small, incremental adjustments until you find the right fit

Attach Front Light

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Parts List

- 1 - Front Light & Bracket
- 2 - Mounting Bolt, Nut, and Washer

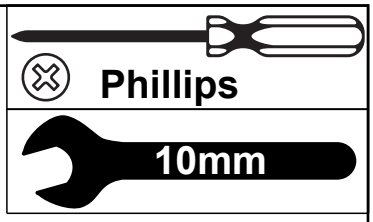


Fig. 27

- Temporarily remove the black bolt, washer, and nut using a Phillips screwdriver and 10mm wrench - **Fig. 27**


Fig. 28

- Mounting hardware temporarily removed from the fork crown - **Fig. 28**


Fig. 29

- Position the light bracket in front of the fork crown hole and attach the light with the mounting hardware - **Fig. 29**
- Tighten securely using a Phillips screwdriver and 10mm wrench

Attach The Reflectors

Back to Table of Contents

Parts List

- 1 - Front Reflector & Bracket
- 2 - Rear Reflector & Bracket

Fig. 30

- Open the clamp and position it around the handlebar, left of the stem and secure in place with a phillips screwdriver
- Align the reflector so it is facing directly forward and perpendicular to the ground for maximum visibility- **Fig. 30**

Fig. 31

- Open the clamp and position it around the seat post and secure in place with a phillips screwdriver
- Align the reflector so it is facing directly backward and perpendicular to the ground for maximum visibility
- Place it high enough on the seat post so it is not blocked by the rear wheel - **Fig. 31**

- **FINAL CHECK:** Ensure the white front reflector is properly attached and facing forward, the red rear reflector is properly attached and facing backward, and both pre-installed wheel reflectors are evenly positioned for side visibility. Verify that the pre-installed yellow pedal reflectors are facing forward and backward, check that all reflectors are tightly secured and do not shift, and perform a visibility test by shining a light from different angles to confirm proper reflection.

Pedal Installation

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Parts List

- 1 - Right Side Crank-Arm
- 2 - Right Pedal

- **Identify the right pedal:** It's marked with an **"R"** (on a sticker or stamped on the spindle end), has a smooth spindle, and uses a right-hand thread (tightens clockwise) - **Fig. 32**
- A**pply bicycle grease** to the pedal threads before installation.

Fig. 32

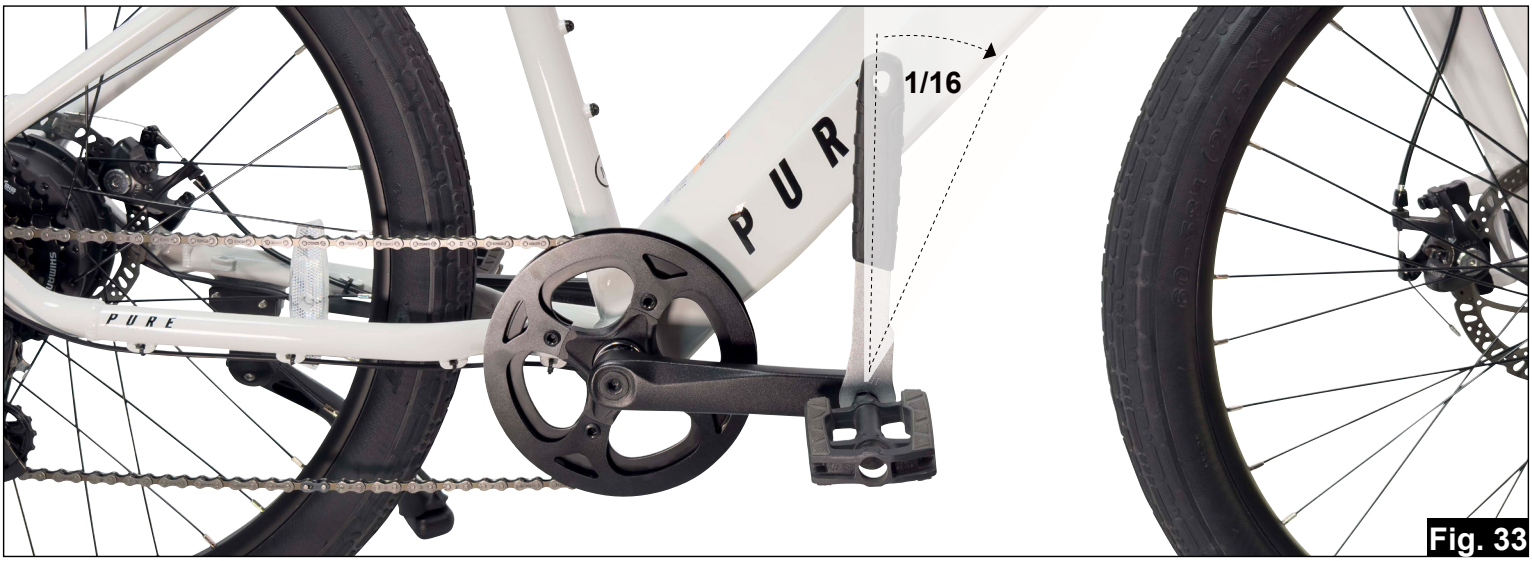

Fig. 33

- **Hand-thread the pedal into the right crank-arm** (drive side) by turning it clockwise, ensuring it starts smoothly and doesn't cross-thread.
- Once properly threaded, **tighten with a 15mm pedal wrench** until it contacts the crank arm, then give it an additional 1/16 turn **(Torque Spec: 30–40 N·m)** - **Fig. 33**
- The pedal should be **secure but not overtightened**, allowing for future removal without excessive force.
- If you're uncertain about the proper pedal tightness, have the pedal tightness checked by a trained mechanic at a bike shop before riding.

WARNING! – The right and left pedals are not interchangeable.

Pedal Installation

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Parts List

- 1 - Left Side Crank-Arm
- 2 - Left Pedal

Fig. 34

- **Identify the left pedal:** It's marked with an **"L"** (on a sticker or stamped on the spindle end), has ridges on the spindle, and uses a left-hand thread (tightens counterclockwise) - **Fig. 34**
- A**pply bicycle grease** to the pedal threads before installation.

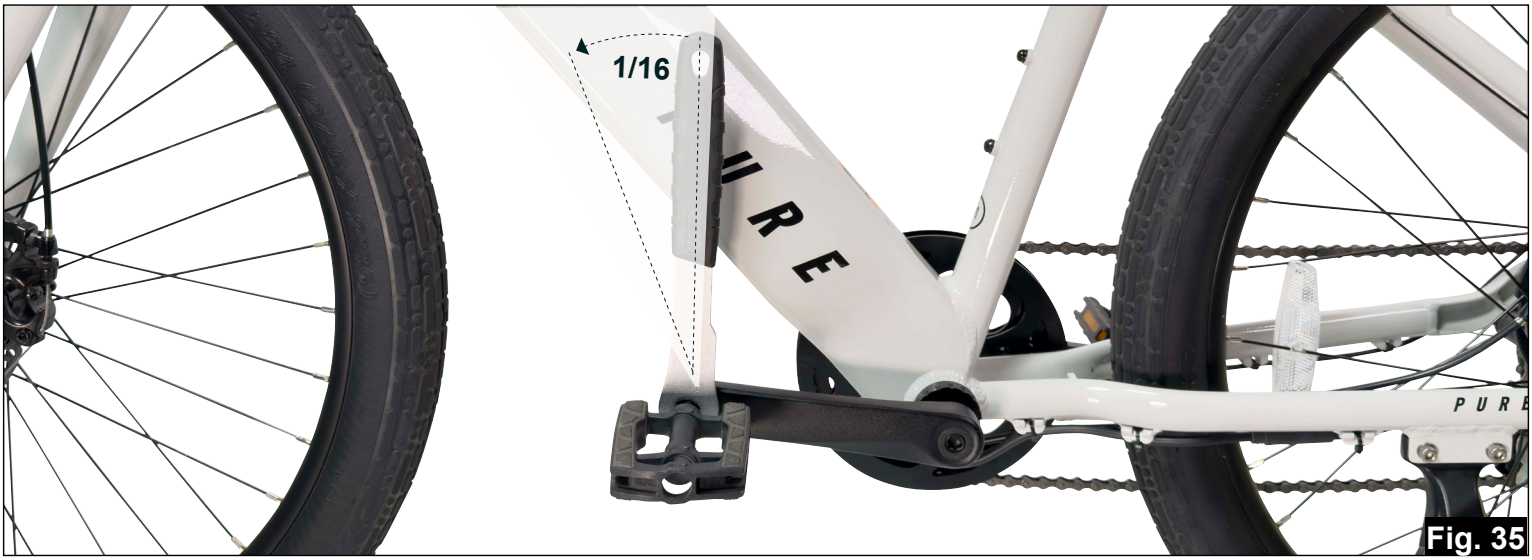

Fig. 35

- **Hand-thread the pedal into the left crank-arm** (non-chain side) by turning it counterclockwise, ensuring it starts smoothly and doesn't cross-thread.
- Once properly threaded, **tighten with a 15mm pedal wrench** until it contacts the crank arm, then give it an additional 1/16 turn **(Torque Spec: 30–40 N·m)** - **Fig. 35**
- The pedal should be **secure but not overtightened**, allowing for future removal without excessive force.
- If you're uncertain about the proper pedal tightness, have the pedal tightness checked by a trained mechanic at a bike shop before riding.

WARNING! – The right and left pedals are not interchangeable.

Check The Brakes

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Parts List

- 1 - Front & Rear Brake Lever
- 2 - Front & Rear Disc Brake Caliper
- 3 - Front Disc Brake Rotor

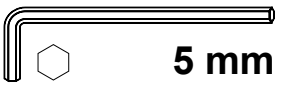


Fig. 36

Fig. 37

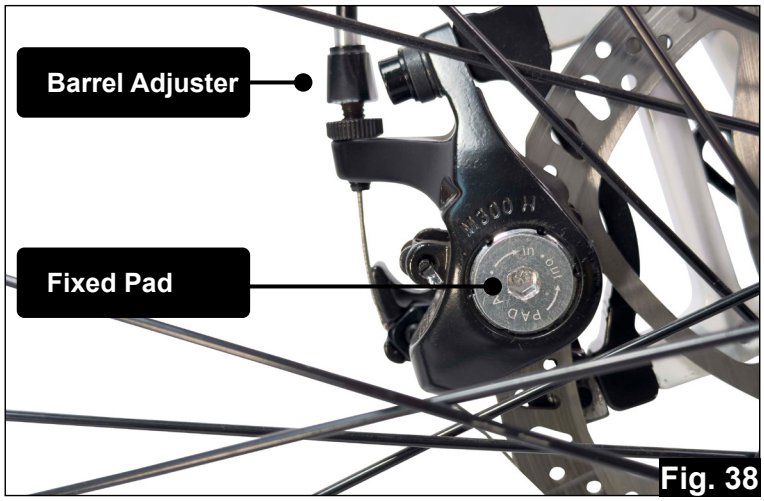

Fig. 38

Disc-Brake Adjustment Tips!

- **Check brake operation:**
  - Brakes are pre-adjusted, but may come out of adjustment during shipping or assembly
  - **Lift the bike**, spin each wheel and pull the brake lever to confirm smooth operation before riding

- **Adjust as needed:**
  - **Align caliper** - Loosen the mounting bolts slightly, squeeze the brake lever to center the caliper over the rotor. While holding the lever, retighten the bolts. Release the lever and spin the wheel to check for rotor rub.
  - **Test pad contact** - Squeeze the lever and ensure both pads hit the rotor together. If not, adjust the fixed pad using a 5mm hex wrench in the pad port. Turn clockwise to move the pad closer, counterclockwise to move it away.

- **Adjust the brake cable:**
  - **Check lever travel** - Squeeze the lever to see how far it pulls before braking
  - **Adjust cable tension** - Loosen (counterclockwise) the anchor bolt with a 5mm hex
  - **For tighter brakes** - Pull the cable slightly and retighten the bolt, or use the barrel adjuster
  - **For looser brakes** - Release some cable and retighten the bolt, or use the barrel adjuster
  - **Torque Spec - Cable anchor bolt: 6-8 N·m**

  - **FINAL CHECK:** Squeeze the brake lever to confirm firm, consistent engagement. The rotor should spin freely without rubbing when released. If there's drag or a loose feel, fine-tune cable tension and adjust the caliper or fixed pad as needed. Recheck all bolts to ensure they're tight and secure.

Check the Gears

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Parts List

- 1 - Shifter
- 2 - Derailleur
- 3 - Chain
- 4 - Freewheel

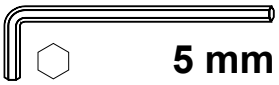

Fig. 39

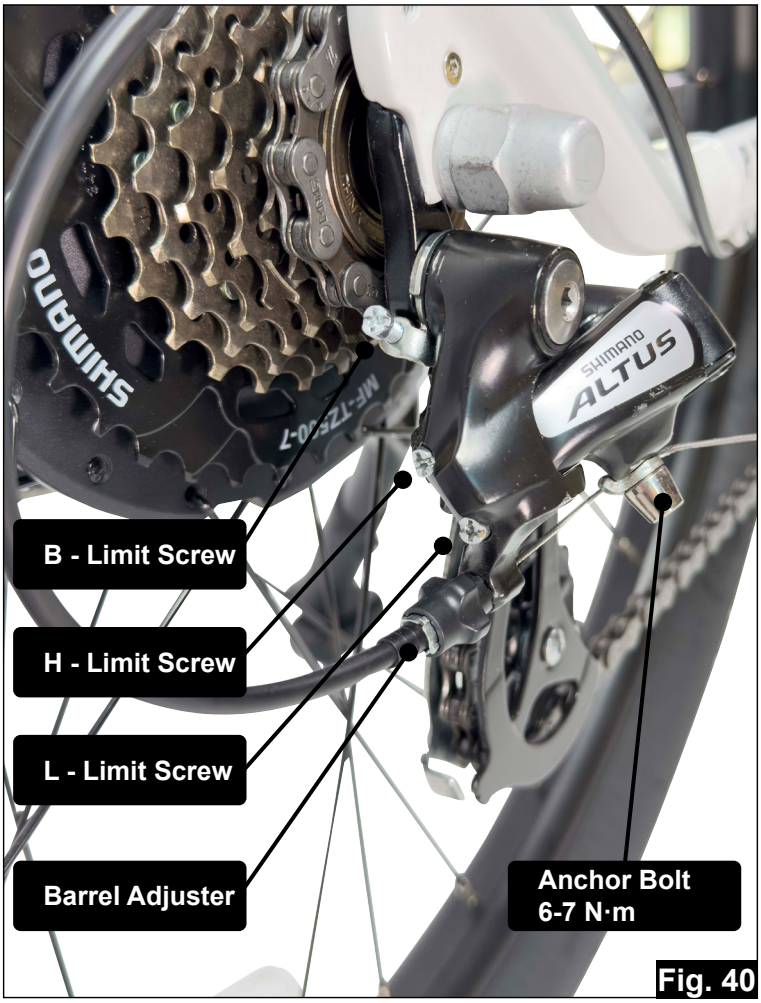

Fig. 40

Gear Adjustment Tips!

- **Check gear operation:**
  - Gears are pre-adjusted, but may come out of adjustment during shipping or assembly.
  - **Lift the bike** and shift through all gears to confirm smooth operation before riding.

- **Adjust as needed:**
  - **Adjust cable tension** - Loosen the anchor bolt (counterclockwise) with a 5mm hex wrench. Slightly pull or release the cable, then retighten the bolt. Use the barrel adjuster for fine-tuning.
  - **Barrel adjuster** - Turn clockwise to increase cable slack, counterclockwise to tighten and improve shifting responsiveness
  - **L-limit screw** - Controls how far the derailleur moves toward the largest cog. Turn to fine-tune outward movement
  - **H-limit screw** - Limits how far the derailleur moves toward the smallest cog. Adjust to control inward travel
  - **B-screw** - Adjusts the gap between the derailleur's upper pulley and the cassette. Turn to increase or decrease clearance
  - **Torque Spec - Cable anchor bolt: 6-7 N·m**

  - **FINAL CHECK:** Shift through all gears to ensure smooth, accurate transitions across the cassette. The chain should move cleanly between cogs without skipping, hesitation, or noise. If shifting feels sluggish or imprecise, fine-tune the cable tension using the barrel adjuster and check the limit screw settings. Re-check all bolts, especially the cable anchor bolt and derailleur mounting hardware, to ensure everything is tight and secure.

Removing The Battery

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Parts List

- 1 - Battery Cover
- 2 - Battery Key
- 3 - Battery

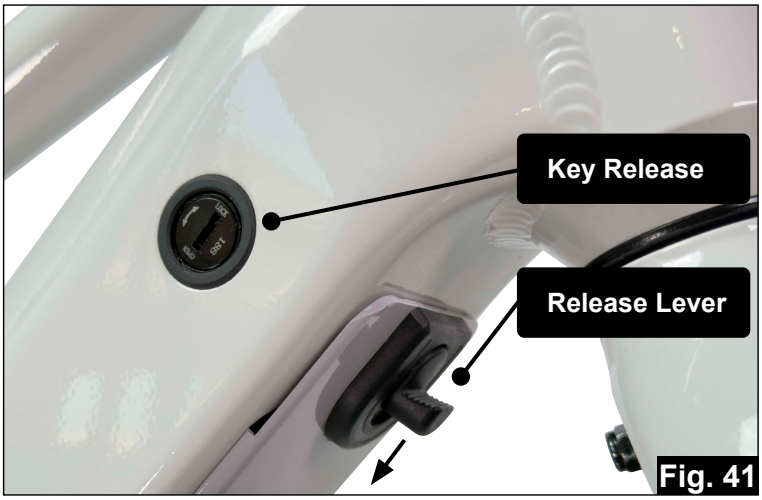

Fig. 41

- **Remove the outer cover** by gently pushing the release lever downward until it clicks free from the frame - **Fig. 41**

Fig. 42

- **Once the cover is released** at the top, tilt the cover down slightly and then pull upward slightly until the bottom tab of the cover clears the frame - **Fig. 42**

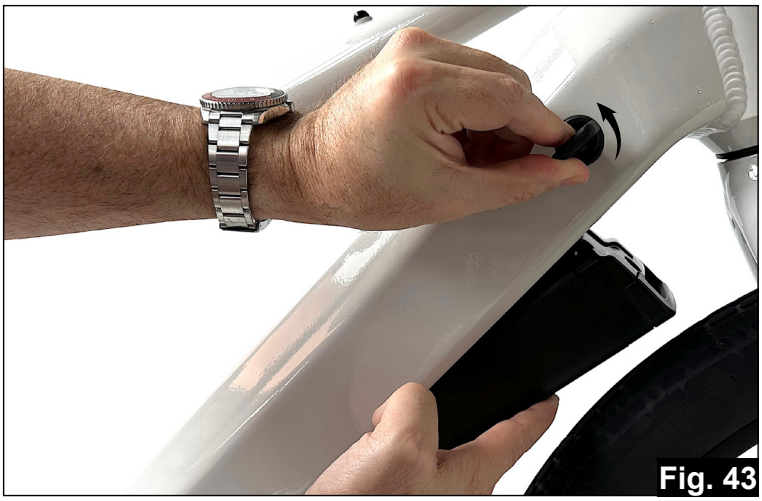

Fig. 43

- **Use the key included with your FLUX E-bike to remove the battery**
- Support the battery near the top with one hand to prevent th battery from falling unexpectedly once released, while turning the key counterclockwise with your other hand
- Once the battery is released at the top, you can now safely remove it from the downtube in the same way you removed the cover - **Fig. 43**

Charging The Battery

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Parts List

- 1 - Charger
- 2 - Charging Port On Bike or (On Battery) if Removed
- 3 - Compatible Wall Outlet

Fig. 44

- Charging - **FIG. 44**
  - **Charge time:** Your e-bike has a **48V x 15Ah battery**, and the charger supplies 2 amps of current. **Estimated charge time from empty to full: 7–8 hours**

Fig. 45

- Charging the battery (on-bike) - **FIG. 45**

Fig. 46

- Charging the battery (off-bike) - **FIG. 46**

WARNING! – Read and follow all safety precautions and warnings on page 9, 44, 45, and the Battery Safety Manual included with your e-bike!

WARNING! – Charging port and charger may become hot during use – handle with care.

Inflate The Tires

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Parts List
- 1 - Tire
- 2 - Pump

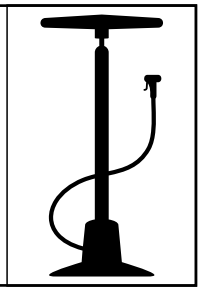


Fig. 47

- Rotate your wheel so the valve is positioned at the 6 o'clock position (bottom) - **Fig. 47**


Fig. 48

- Remove the valve cap by turning it counterclockwise and set it aside in a safe place - **Fig. 48**


Fig. 49

- Attach the pump head securely and inflate to the recommended tire pressure
- Remove pump head
- Replace the valve cap
- Recommended tire pressure: 40-65 PSI

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