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For ASSEMBLY Help:  
Aide à l'ASSEMBLAGE :  
Ayuda de la ASAMBLEA:

Please REGISTER your Product:  
Veuillez ENREGISTRER l'article :  
Por favor, REGISTRE su producto:



[www.huffybikes.com/home/globalcontact/](http://www.huffybikes.com/home/globalcontact/)  
for current contact information / pour les informations de contact actuelles / para obtener la  
información de contacto actual

H-eBike-FLD EN 12-16-20 m0797



Date Code Label  
Here

# Owner's Manual for 36-volt e-Bike



**This manual contains important safety, assembly, operation  
and maintenance information.**

**Please read and fully understand this manual before  
operation.**

Save this manual for future reference.



Always wear approved helmet and safety equipment when  
using this product.

**See back page for Customer Service Information**

**HUFFY**

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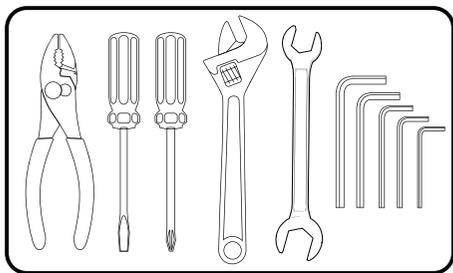
- General Info, Battery Storage, Replacement and Disposal

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## Back Cover:

- Return and Service Contact information
- Registration QR Code Link
- Assembly QR Code Link



## Tools Recommended:

(Metric Wrenches)



**IMPORTANT!** Before using the unit for the first time fully charge the Battery. Battery Charger will shut off when Battery is fully charged, but **never charge longer than 12 hours.**

## Limited Warranty - US

### General:

Part or model specifications are subject to change without notice.

This Limited Warranty is the only warranty for the product. ALL WARRANTIES OTHER THAN STATED HEREIN ARE DISCLAIMED INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, TO THE EXTENT ALLOWABLE BY APPLICABLE LAW. ALL LIABILITY FOR INCIDENTAL, PUNITIVE, SPECIAL, OR CONSEQUENTIAL DAMAGES ARE EXPRESSLY DISCLAIMED, TO THE EXTENT ALLOWABLE BY APPLICABLE LAW.

The only uses for this product are described in this manual.

Warranty registration is not required.

The Limited Warranty extends only to the original consumer and is not transferable to anyone else.

### What does this Limited Warranty cover?

This Limited Warranty covers defects in workmanship and materials for all parts of the product except those indicated below as not warranted.

### What must you do to keep the Limited Warranty in effect?

*This Limited Warranty is effective only if:*

- Product is completely and correctly assembled.
- Product is used under normal conditions for its intended purpose (see the following section for excluded activities).
- Product receives all necessary maintenance and adjustments.
- Product is used for general transportation and recreational use only.

### What is not covered by this Limited Warranty?

This product is designed for recreational use only. This Limited Warranty does not cover normal wear and tear, normal maintenance items, or any damage, failure, or loss that is caused by improper assembly, maintenance, adjustment, storage, or use of the product. This Limited Warranty does not extend to future performance.

### This Limited Warranty will be void if the product is ever:

- Used in any competitive sport
- Used for stunt riding, jumping, aerobatics or similar activity
- Modified in any way

- Modified with the addition of a motor
- Ridden by more than one person at a time
- Rented, sold, or given away
- Used in a manner contrary to the instructions and warnings in this Owner's Manual

### What will The Manufacturer do?

Manufacturer's sole and exclusive obligation under this Limited Warranty is to repair and/or replace, at its sole option, any covered defect in workmanship or materials.

### How do you get service?

- Contact the Customer Service Department.
- See included list for Customer Contact information.

### What rights do you have?

This Limited Warranty gives you specific legal rights. You may also have other rights which vary from State to State.

### For how long does this Limited Warranty last?

- When used in this Limited Warranty, the phrase "for life" means for as long as the original consumer owns the product.
- The frame is warranted for life except aluminum frames which are warranted for ten (10) years, from the date of purchase.
- The fork is warranted for life except for shock forks which are warranted one (1) year from date of purchase.
- Drive Battery - 90 days
- Electronics - 90 days
- All other Components - 6 months

## Troubleshooting

Symptoms	Possible Cause	Solution
Display is on, motor does not work or works slowly/intermittently	Battery voltage is low	Charge Battery
	Battery is loose in compartment	Re-seat Battery
	Wire Harness connectors loose	Check that Harness connectors are firmly attached
Reduced ride time	Battery is low	Recharge
	Battery does not hold a charge	Replace Battery
Battery does not fully charge	Battery at end of life	Replace Battery
	Charger not connected correctly	Re-check charger connections at battery and wall socket
	Battery not fully seated	Re-seat Battery
Display does not turn on	Wire Harness connectors loose	Check that Harness connectors are firmly attached
	Display bad	Replace Display
	Power is off	Turn Power on
No Pedal assist	Wire Harness connectors loose	Check that Drive Motor Harness connectors are firmly attached
	Motor bad	Replace Motor
	Speed sensor magnet not aligned	Align magnet on wheel with sensor on frame near motor

## e-Bikes Introduction

### MEANINGS OF WARNINGS:



This symbol is important. See the word “**CAUTION**” or “**WARNING**” which follows it. The word “**CAUTION**” is before mechanical instructions. If you do not obey these instructions, mechanical damage or failure of a part of the bicycle can occur. The word “**WARNING**” is before personal safety instructions. If you do not obey these instructions, injury to the rider or to others can occur.

Riding an e-bike is similar to riding a regular bike but offers a motor that provides assisted power when pedalling.



### WARNINGS:

- **When mounting your e-bike**, always apply full front and rear brake lever pressure to keep the unit from moving while mounting and do not put feet on the pedals until you are sitting on the seat.
- **Your e-bike travels at higher speeds** than most riders are used to when pedaling a traditional bike. It is very important that you are aware of your surroundings and obstacles around you and be extra careful when you first start moving. It's important to watch the path surface you are on which can cause tires to slip or flatten.
- **An electric bike is heavier** and requires more time to stop due to weight and faster speeds. Practice starting, riding and stopping in a closed space with no other vehicles and always ride with hands near the brake levers.
- **Before riding**, familiarize yourself with the products operation.
- Do not become distracted by the Display. Change Display settings only when stopped.
- Never ride at speeds faster than you are comfortable with.
- Always start riding with the lowest assist speed.
- Avoid riding this product on wet, frozen, oily or unpaved surfaces or under the influence of drugs and/or alcohol. Avoid uneven surfaces, potholes, surface cracks and obstacles.
- Avoid riding in rain and wet weather and always store e-bike indoors.
- This product does not conform to Federal Motor Vehicles Standards and is not intended for operation on public streets, roads or highways. Serious injury can result from the unsafe operations of this vehicle. **Always obey State and Local Laws when using this product.**
- This product is not designed to be jumped. If jumped, even from the curb, The e-bike Frame could break causing serious injury or death. If jumped, the warranty is void.

### e-Bike Range:

- Higher assist setting will shorten the distance your e-bike can travel.
- Always keep tires at proper inflation pressure (shown on side walls).
- Heavier riders will shorten riding range.
- Hills or rough terrain will shorten riding range.
- Starting and stopping effects riding range.
- Always fully charge your e-Bike before each ride.

This “Class 1” e-Bike complies with Federal Governments guidelines, with regard to total watts and top speed.

## ! WARNING - TO AVOID SERIOUS INJURY:

Failure of the rider to obey the following Safety Warnings can result in serious injury or death. Check local laws governing the use of electrical vehicles.

- **ADULT RIDERS ONLY.**
- **DO NOT USE THE VEHICLE IN AN UNSAFE MANNER OR AT AN UNSAFE SPEED. Not intended for jumps - this can damage the product.**
- **CHOKING HAZARD:** Small parts, adult assembly required.
- Before using this product, fully understand the controls and safety issues. Riders must demonstrate the capability and skill to handle the vehicle and operate its controls to avoid falls or collisions.
- Obey all traffic regulations, signs, and signals.
- Before each ride, check that the steering system is correctly adjusted and that all connection components are firmly secured and not broken.
- While using the product, keep hands and fingers away from wheels and other moving parts to avoid danger of pinching or entrapment.
- Riders should always wear a properly fitted helmet that complies with U.S. Consumer Product Safety Commission (CPSC) Standard 16 CFR 1203 or equivalent standard for your country.
- **Always wear shoes.** Gloves, knee and elbow pads recommended.
- Ride on the correct side of the road, in a single file, and in a straight line.
- There are additional hazards of using the vehicle in areas other than private grounds.
- If possible, avoid riding at night, dusk, dawn and any other time of poor visibility.
- **IF YOU MUST RIDE AT NIGHT OR AT TIME OF POOR VISIBILITY:**
  - Use a correctly installed headlight and taillight.
  - Headlights are required by all states for nighttime riding and taillights are required in some states.
  - Battery-powered lights or flashing safety lights are also recommended.
- **MAKE YOURSELF MORE VISIBLE TO MOTORISTS.**
  - **Reflectors:** For your own safety, do not ride the bicycle if the reflectors are incorrectly installed, damaged, or missing. Make sure the front and rear reflectors are vertical. Do not allow the visibility of the reflectors to be blocked by clothing or other articles. Clean the reflectors, as necessary, with soap and a damp cloth.
  - Wear light-colored or reflective clothing, such as a reflective vest and reflective bands for your arms and legs.
  - Use reflective tape on your helmet.
- **USE EXTRA CAUTION IN WET WEATHER:**
  - Ride slowly on damp surfaces because the tires will slide more easily.
  - Allow increased braking distance in wet weather.
- **AVOID HAZARDS TO PREVENT LOSS OF CONTROL OR DAMAGE TO YOUR WHEELS:**
  - Be aware of drain grates, soft road edges, gravel or sand, pot holes or ruts, wet leaves, or uneven paving.
  - Cross railroad tracks at a right angle to prevent the loss of control.
  - Do not carry any passengers.
  - Do not carry any items or attach anything to your bicycle that could hinder your vision,

## Lithium-Ion Battery Storage and Disposal

Do not leave batteries unused for extended periods of time, either in the product or in storage. When a battery has been unused for 6 months, check the charge status and charge or dispose of the battery as appropriate.

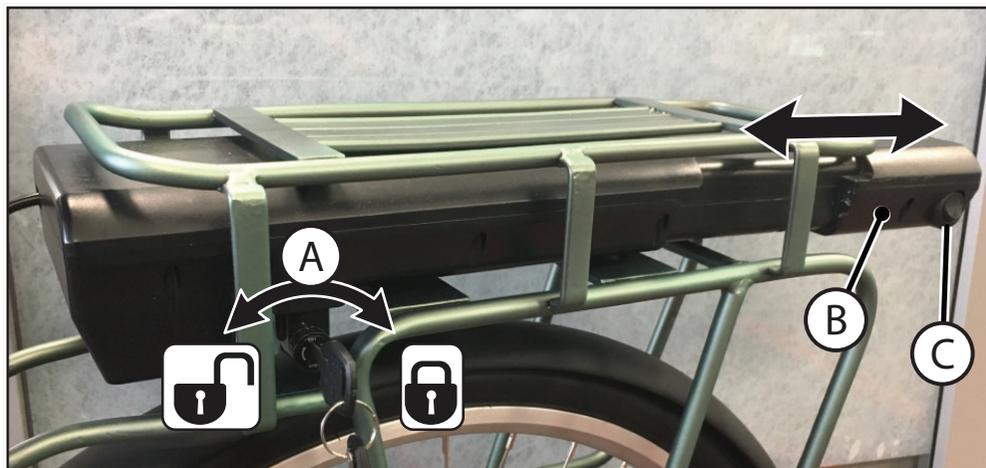
### STORAGE:

- Charge or discharge the battery to approximately 50% of capacity before storage.
- Charge the battery to approximately 50% of capacity at least once every six months.
- Remove the battery and store it separately from the product.
- Store the battery at temperatures between 5 °C and 20 °C (41 °F and 68 °F).
- Do not store battery in extreme hot or cold temperatures.
- Wipe the battery clean with a dry cloth prior to storage. Wash cloth separate from other clothes.

### BATTERY DISPOSAL:

- Lithium-ion batteries must be recycled or disposed of in an environmentally sound manner.
- Lithium-ion batteries are subject to disposal and recycling regulations that vary by country and region. Always check and follow your applicable regulations before disposing of any battery.
- Do not dispose of battery in a fire. The battery may explode or leak acid.
- Do not dispose of the battery in household trash. The incineration, land filling or mixing of sealed Li-ion/lead-acid batteries with household trash is prohibited by law.
- Return an exhausted battery to a federal or state approved Li-ion/lead-acid battery recycler. (check local battery disposal regulations).

## Drive Battery Replacement



### STEPS:

1. Insert Key **(A)** and turn left to Unlocked position.
2. Remove Battery **(B)** as shown by pulling straight backwards.
3. Gently pull backwards on battery to ensure it does not move or come lose.

### INSTALL NEW BATTERY:

4. Insert Key **(A)** and turn left to Unlocked position.
5. Position new Battery **(B)** as shown and slide fully into position.
6. Turn Key right to LOCKED position.
7. Gently pull backwards on battery to ensure it does not move or come lose.

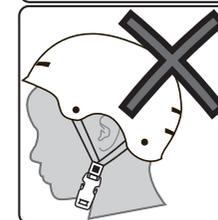
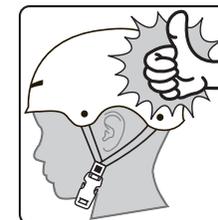
**NOTE:** Before using Battery Drive System, turn Battery Switch **(C)** ON and follow Operation instructions included with this product.

## ! WARNING - TO AVOID SERIOUS INJURY:

- hearing, or control.
- Do not ride with both hands off the handlebar.
- Do not tow or push the product.
- Do not modify the product.
- Replace worn or broken parts immediately with original equipment.
- If anything does not operate properly, discontinue use.
- **DO NOT TAMPER WITH THE ELECTRICAL SYSTEM:** Doing so may create a short, causing the fuse to trip or other damage including fire.
- **Risk of Fire:** Do not bypass fuse. Replace only with original size and type.
- The supply terminals are not to be short-circuited.
- Non-rechargeable batteries are not to be recharged.
- Batteries are to be inserted with the correct polarity.
- Rechargeable batteries are only to be charged by adults.
- The battery chargers used with the toy are to be regularly examined for damage to the cord, plug, enclosure and other parts, and in the event of such damage, they must not be used until the damage has been repaired.
- Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- Do not use the vehicle in unsafe conditions such as snow, rain, loose dirt, mud sand or fine gravel. This may result in unexpected action such as tip over and skidding. Using the vehicle in loose dirt, mud, sand, or fine gravel may damage the electronics and gear box inside the vehicle.
- Do not overload the vehicle. Do not drive in very hot weather, components may overheat. Do not allow water or other liquids to come in contact with the battery or other electric components.

## ! WARNING: ALWAYS WEAR YOUR HELMET WHEN RIDING THIS PRODUCT!

- Helmet should sit level on your head and low on your forehead. Exposed forehead can result in serious injury.
- Adjust the strap sliders below the ear on both sides.
- Buckle the chin strap. Adjust strap until it is snug.
- No more than two fingers should fit between the strap and your chin.
- A proper fitting helmet should be comfortable and not rock forward/backward or side to side.



## ! Lithium-Ion Battery & charger Warnings:



The following safety hazards may result in serious injury or death to the user of the vehicle:

- Battery Charger for Indoor use only. Use of a battery or charger other than the supplied rechargeable battery and charger may cause a fire or explosion. Only use the supplied rechargeable battery (or lead-acid or lithium suitable replacement) and charger with the vehicle.
- Using the rechargeable battery and charger for any other product may result in overheating, fire or explosion. Never use the rechargeable battery and charger with another product.
- Explosive gases are created during charging. Charge the battery in a well ventilated area.
- Do not charge the battery near heat or flammable materials.
- All large lithium batteries are a potential fire risk and should be charged in a safe place, preferably in the middle of a garage floor.
- Never charge a lithium battery unsupervised.
- Only an adult who has read and understands the safety warnings should handle, charge or recharge of the battery.
- Contact between the positive and negative terminals may result in fire or explosion. Avoid direct contact between the terminals. Picking up the battery by the wires or charger can cause damage to the battery and may result in a fire. Always pick up the battery by its case or handles.
- Battery must be handled by adults only. Liquids on the battery may cause fire or electric shock. Always keep all liquids away from the battery and keep the battery dry.
  - Contact or exposure to battery leakage may cause serious injury. If contact or exposure occurs immediately call your physician. If the chemical is on the skin or in the eyes, flush with cool water for 15 minutes. If the chemical was swallowed, immediately give the person water or milk. Do not give water or milk if the patient is vomiting or has a decreased level of alertness. Do not induce vomiting.
- Battery Posts, terminals and related accessories contain lead and lead compounds (acid), chemicals known to cause cancer, reproductive harm and are toxic and corrosive. Never open the battery.
- Tampering or modifying the electric circuit system may cause a shock, fire or explosion and permanently damage the system. Exposed wiring and circuitry in the charger may cause electric shock. Always keep the charger housing closed.
- Non-rechargeable batteries are not to be recharged.
- Batteries are to be inserted with the correct polarity.
- The supply terminals are not to be short-circuited.
- Batteries are only to be charged by adults.
- The battery chargers used with the product are to be regularly examined for damage to the cord, plug, enclosure and other parts, and in the event of such damage, they must not be used until the damage has been repaired.

## Inspection of the Bearings

### Maintenance:

Frequently check the bearings of the bicycle. Have a bicycle service shop lubricate the bearings once a year or any time they do not pass the following tests:

### Headset Bearings:

The fork should turn freely and smoothly at all times. With the front wheel off the ground, you should not be able to move the fork up, down, or side-to-side in the head tube.

### Crank Bearings:

The crank should turn freely and smoothly at all times and the front sprockets should not be loose on the crank. You should not be able to move the pedal end of the crank from side-to-side.

### Wheel Bearings:

Lift each end of the bicycle off the ground and slowly spin the raised wheel by hand. The bearings are correctly adjusted if:

- The wheel spins freely and easily.
- The weight of the spoke reflector, when you put it toward the front or rear of the bicycle, causes the wheel to spin back and forth several times.
- There is no side-to-side movement at the wheel rim when you push it to the side with light force.

## Lubrication

### ⚠ WARNING:

- Do not over lubricate. If oil gets on the wheel rims or the brake shoes, it will reduce brake performance and a longer distance to stop the bicycle will be necessary. Injury to the rider or to others can occur.
- The chain can throw excess oil onto the wheel rim. Wipe excess oil off the chain.
- Keep all oil off the surfaces of the pedals where your feet rest.
- Using soap and hot water, wash all oil off the wheel rims, the brake shoes, the pedals, and the tires.
- Rinse with clean water and dry completely before you ride.
- Using a light machine oil (20 W), lubricate the bicycle according to the following table:

### Lubrication Table (as equipped)

What	When	How
Pedals	every six months	Put four drops of oil where the axles go into the pedals.
Chain	every six months	Put one drop of oil on each roller of the chain. Wipe all excess oil off the chain.
Derailleurs	every six months	Put one drop of oil on each pivot point of the derailleurs.
Brake Levers	every six months	Put one drop of oil on the pivot point of each brake lever.
Wheel Brakes	every six months	Put one drop of oil on the pivot point of each cantilever brake.
Brake and cable	every six months	Put four drops of oil into both ends of each cable. Allow oil to soak back along the cable wire.
Rear Sprocket Cluster	every six months	Lay the bicycle on its left side. Slowly turn the rear wheel clockwise. Put four drops of oil in the crack between the rear sprockets (which are stationary) and the freewheel body (which is turning clockwise).
Shock Fork	every six months	Lift up the rubber fork boot and dab a small amount of grease on the fork leg just above the plastic bushing.

## Owner's Bicycle Identification Record

**NOTE:** This information is only available on the bicycle itself.

Each bicycle has a Recovery Code stamped into the frame. The Recovery Code ① can be found on the bottom of the crank housing as shown.

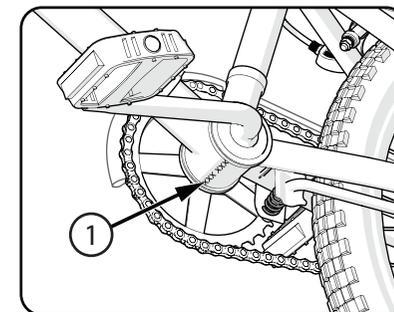
Write this number below to keep it for future reference.

If the bicycle is stolen, give this number and a description of the bicycle to the police. This will help them find the bicycle.

**Recovery Code:**

**Purchase Date:**

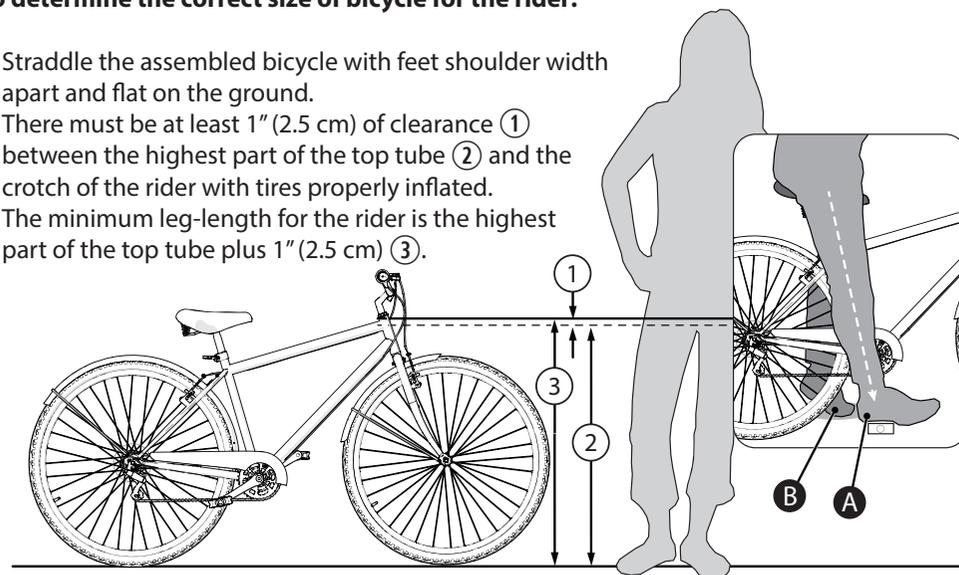
**Model Name:**



## Fitting the Rider to the Bicycle

To determine the correct size of bicycle for the rider:

- Straddle the assembled bicycle with feet shoulder width apart and flat on the ground.
- There must be at least 1" (2.5 cm) of clearance ① between the highest part of the top tube ② and the crotch of the rider with tires properly inflated.
- The minimum leg-length for the rider is the highest part of the top tube plus 1" (2.5 cm) ③.



**NOTE:** See Assembly sections for Seat adjustment.

- **Adjust the seat height** so that you can put the heel of one foot on a pedal with leg extended straight **A** - and so the opposite foot can reach the ground with tip of foot **B**. This will give your knees a slight bend when pedalling with the ball of the foot.



## Linear Pull Brake System - continued

### Test the tightness of the cable clamp (fig C):

1. Squeeze each Brake Levers (G) with firm pressure.
2. Make sure the cable does not move in the Cable Clamp (E).
3. If the cable moves in the cable clamp, adjust the brakes again but tighten the cable clamp tighter than before.
4. Do this test again, until the cable does not move in the cable clamp.

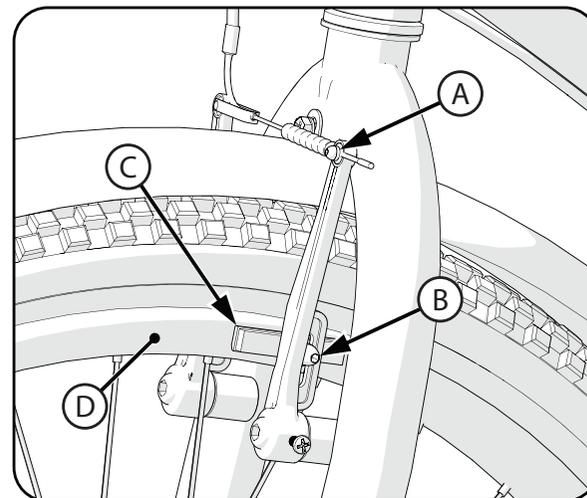
### Test the travel of each brake lever:

1. Squeeze each Brake Lever (G) with strong pressure
2. If the brake lever touches the grip, adjust the brakes again.

**WARNING:** After you adjust the brakes again, if either brake lever touches the grip or does not work well, have a bicycle service shop repair or adjust the brakes.

## Linear Pull Brake Pad Replacement

1. If necessary, loosen brake cable Adjustment Bolt (A).
2. Loosen and remove brake pad Bolt/Screws (B).
3. Remove old Brake Shoe (C).
4. Install new Brake Shoe, making sure it is pointing forward and lined up evenly with the Wheel Rim (D).
5. Tighten brake pad Bolt/Screw and Adjustment Bolt according to Torque Chart.

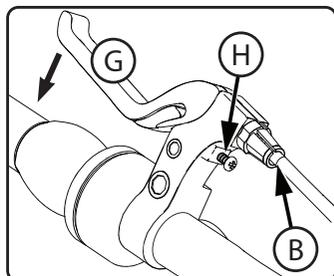
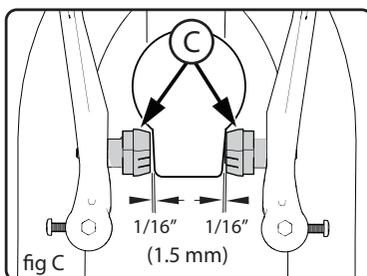
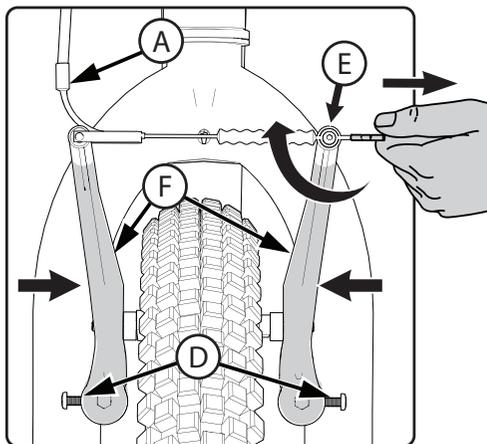


**WARNING:** Replace Brake Pad with same model and type as original.

## Linear Pull Brake System Adjustment - continued

### PUT THE BRAKE SHOES THE CORRECT DISTANCE FROM THE RIM:

1. If desired, adjust Brake Levers **(G)** to a comfortable distance from the grip using the Adjustment Screw **(H)**. Turning the screw IN brings it closer to the grip.
2. Make sure brake line Sheaths **(A)**, **(B)** are seated correctly.
3. Position each Brake Shoe  $1/16$  inch away from the rim:
4. Turn the caliper brake adjusting Screws **(D)** in or out to make the adjustment.
5. If the Brake Shoes **(C)** cannot be positioned the correct distance from the rim, hold both Brake Shoes against the rim and loosen the cable clamp Screw **(E)**.
6. Squeeze the Brake Arms **(F)** together and pull or loosen the cable wire slightly.
7. Tighten the cable clamp Screw.



**WARNING:** Do not over tighten the cable clamp. Over tightening the cable clamp may cut the cable and cause injury to the rider or to others.

8. Repeat these steps until the brake shoes are  $1/16$  inch from the rim and the Brake Lever **(G)** does not go all the way to the grip when squeezed (**fig C**).

**WARNING:** Do not move the brake shoes away from a wheel rim that is not true (straight). This can cause the caliper brake to be less effective and unsafe. To allow safe adjustment of the caliper brake, have a bicycle service shop true the wheel.

No.	Description	No.	Description
1	Frame	17	Rear Reflector
2	Front Wheel Assembly	18	Pedal Set
3	Tire (x2)	19	Kickstand (not shown - various styles)
4	Tube (x2)	20	Crank Set
5	Rear Wheel Assembly	21	Crank Bearings
6	Wheel Retainer (x2)	22	Shift Grip
7	Axle Nut (x4)	23	Grips (pair)
8	Front Fender and Hardware	24	Chain
9	Fork	25	Rear Brake
10	Rear Fender and Hardware	26	Front Brake
11	Handlebar	27	Rear Derailleur
12	Handlebar/Stem Lock Clamp	28	Brake Lever Set
13	Seat and Hardware	29	Bell (if equipped)
14	Seat Clamp	30	Drive Battery
15	Seat Post	31	Drive Power Switch
16	Front Reflector		

continued >>

## Introduction to Assembly

This Owner's Manual may be made for several different style products.

- Some illustrations may vary slightly from the actual product.
- Follow instructions completely.
- If the product has any parts that are not described in this manual, look for separate "Special Instructions" that are supplied with the unit.
- All features, components and accessories are not included on all models.
- Use the Index page to locate specific sections of this manual.
- Please read through this entire manual before beginning assembly or maintenance.
- If you are not confident with assembling this unit, contact customer service.

**WARNING:** Keep small parts away from children during assembly.

**NOTE:** All of the directions (right, left, front, rear, etc.) in this manual are as seen by the rider while seated.

Do not dispose of the carton and packaging until you complete the assembly of the product. This can prevent accidentally discarding parts of the unit.

## Radio Frequency Information (if applicable)

**WARNING:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate

radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## Linear Pull Brake System - Adjustment continued

**NOTE:** The front and rear break adjustments are the same.

**WARNING:** You must adjust the front and rear brakes before you ride the bicycle.

**Step 1: Put the brake shoes (B) in the correct position (fig B):**

1. Loosen the Screw (A) of each Brake Shoe (B).
2. Adjust each Brake Shoe so it is flat against the rim and aligned with the curve of the rim.
3. Make sure each Brake Shoe does not rub the tire.
4. If the surface of the Brake Shoe has arrows, make sure the arrows point toward the rear of the bicycle.
5. Hold each Brake Shoe in position and tighten the Screw.

**Step 2: Test the tightness of each Brake Shoe:**

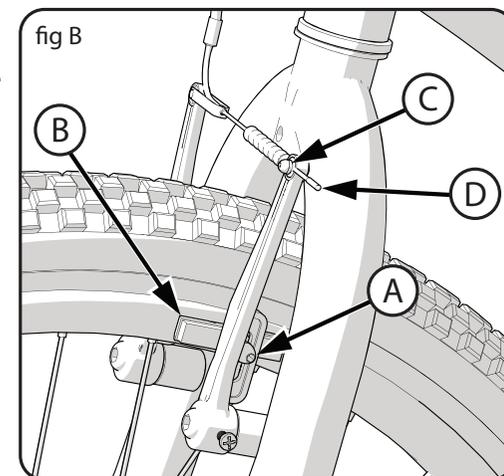
1. Try to move each Brake Shoe out of position.
2. If a Brake Shoe moves, do Step 1 again, but tighten the nut tighter than before.
3. Do this test again, until each Brake Shoe does not move.

**Step 3. Stretching the cable (fig B):**

1. Hold both Brake Shoes against the rim.
2. Loosen the cable clamp Screw (C).
3. Pull the Cable (D) tight and tighten the Screw.

**WARNING:** Do not over tighten the cable clamp Screw. Over tightening the cable clamp Screw may cut the cable and cause injury to the rider or to others.

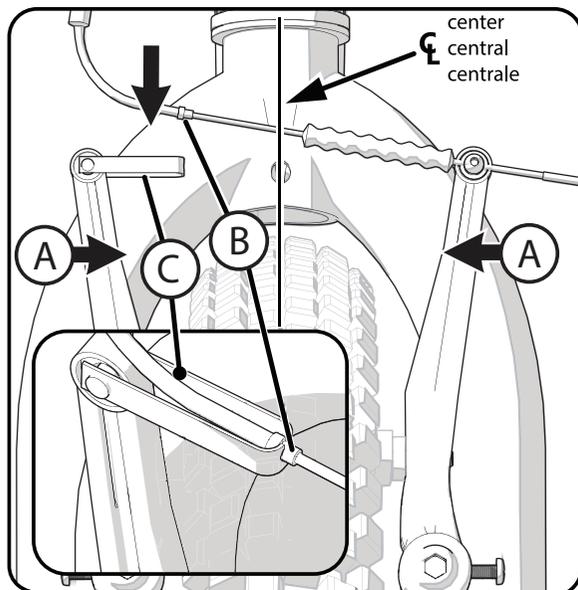
4. Squeeze each brake lever firmly 20 times.
5. Hold both Brake Shoes against the rim and loosen the cable clamp Screw.
6. Pull the Cable tight and tighten the cable clamp Screw.



## Linear Pull Brake System Adjustment - Before Starting

**IF EQUIPPED:** The Following Sections Describe Final Brake System Adjustments Required Before Riding.

- Inflate Tires to recommended pressure on Tire side wall.
- Make sure Tire is centered in Fork.
- **If Needed, Re-attach Front Brake Cable:**
  - Squeeze the two Brake arms together (A).
  - Insert the Brake Cable Guide (B) into the cutout in the Guide Bracket (C).
  - Make sure the Brake Cable Guide (B) is seated securely in the Guide Bracket (C) cutout.

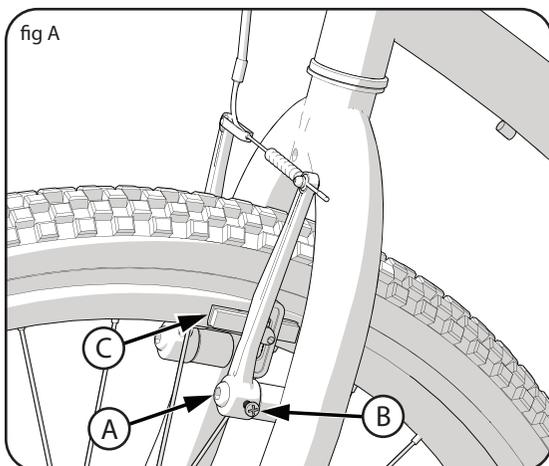


### Check tightness of the cantilever mounting Bolt (A) (fig A):

- Make sure each cantilever mounting Bolt is tightened securely.

### Center brake shoes on rim:

1. Turn the Adjustment Screw (B) on the cantilever arm to move the arm in or out so each Brake Shoe (C) is the same distance from the rim.
2. Squeeze the brake lever two times.
3. Do this step again, until both brake shoes are the same distance from the rim.

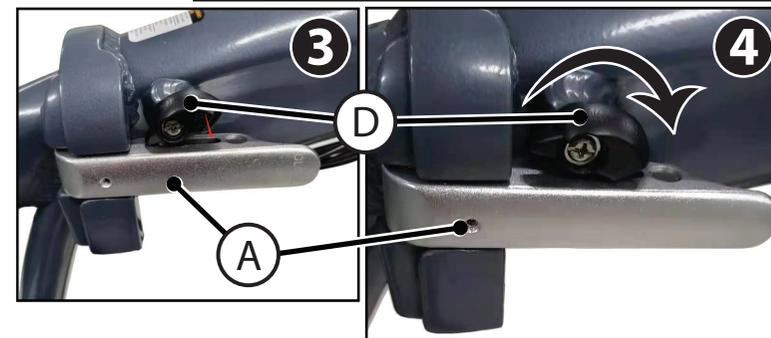
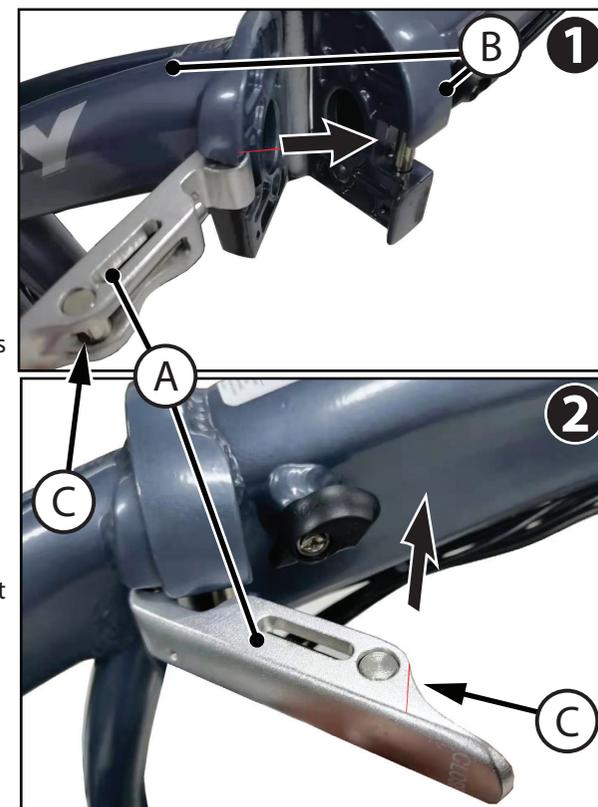


## Folding and Locking the Frame

### STEPS:

- 1 With Lock Lever open (A) fold Front/Back Frame (B) into locking position.
- 2, 3 Fold Lock Lever (A) CLOSED so that it locks FIRMLY into position. **Some force will be needed.** If lever closes too easy or too hard, adjust Screw (C) so Lock Lever closes securely with some force.
- 4 Close Locking Tab (D) so that it fits into slot as shown.

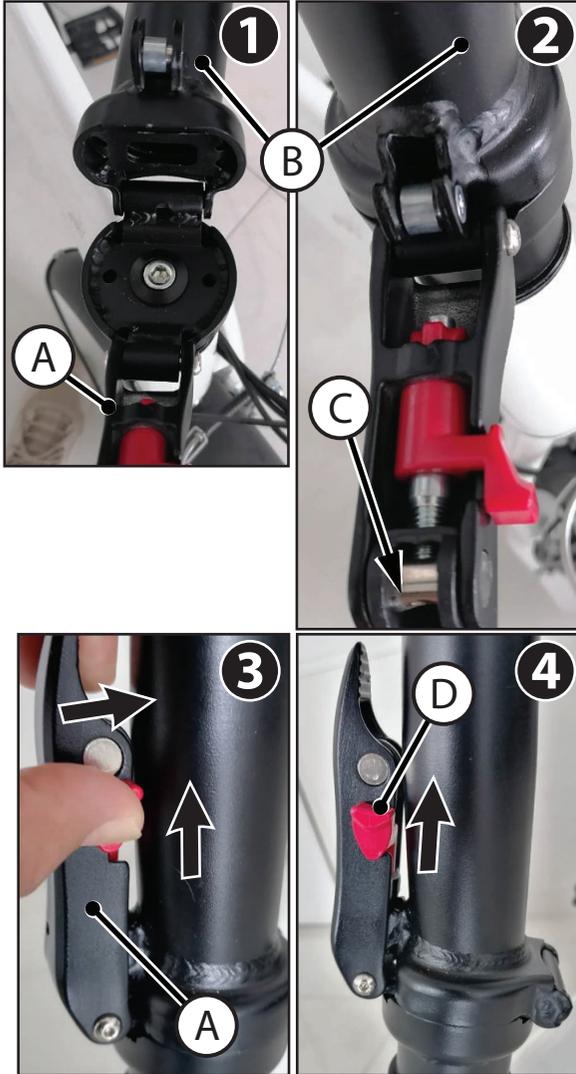
**!WARNING:** Failure to follow these instructions could result in lock coming lose with serious injury to rider or others.



## Unfold the Stem

### STEPS:

- 1 With Lock Lever open (A) fold Stem/Handlebar (B) upright and into locking position.
- 2, 3 Fold Lock Lever (A) UP so that it locks FIRMLY into position. **Some force will be needed.** If lever closes too easy or too hard, adjust Screw (C) so Lock Lever closes securely with some force.
- 4 Pull Locking Tab (D) UP and pull lock lever back to unlock.



**! WARNING:** Failure to follow these instructions could result in lock device coming lose with serious injury to rider or others.

## Tires

### Maintenance:

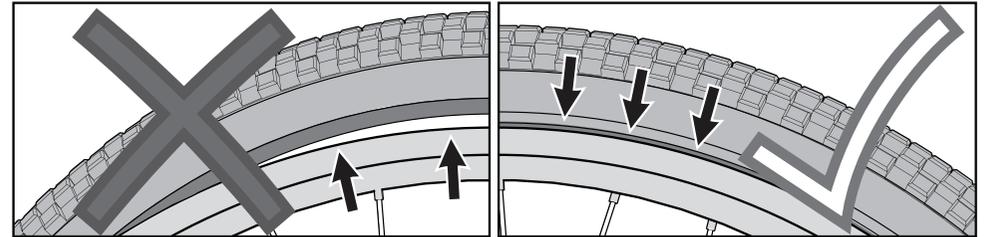
- Frequently check the tire inflation pressure because all tires lose air slowly over time. For extended storage, keep the weight off the tires.
- Do not use unregulated air hoses to inflate the tire/tubes. An unregulated hose can suddenly over inflate tires and cause them to burst.
- Replace worn tires.

**! WARNING:** Do not ride or sit on the unit if a tire is under inflated. This can damage the tire, inner tube and rim.

### Inflating the Tires:

- Use a hand or a foot pump to inflate the tires.
- Service station meter-regulated air hoses are also acceptable.
- The maximum inflation pressure is shown on the tire sidewall.
- If two inflation pressures are on the tire sidewall, use the higher pressure for on-road riding and the lower pressure for off-road riding.
- The lower pressure will provide better tire traction and a more comfortable ride.

Before adding air to any tire, make sure the edge of the tire (the bead) is the same distance from the rim, all around the rim, on both sides of the tire. If the tire does not appear to be seated correctly, release air from the inner tube until you can push the bead of the tire into the rim where necessary. Add air slowly and stop frequently to check the tire seating and the pressure, until you reach the correct inflation pressure.



## e-Bikes Maintenance:

**GENERAL:** The vehicle should be checked for damage, missing or badly worn parts before each use. If any part of the product does not operate properly – discontinue use.

- Check the tightness of the fasteners before each use. Replace any fasteners that are damaged.
- Inspect the product frequently. Failure to inspect the product and to make repairs or adjustments, as necessary, can result in injury to the rider or to others. Make sure all parts are correctly assembled and adjusted as written in this manual and any “Special Instructions.”
- Immediately replace any damaged, missing, or badly worn parts.
- Make sure all fasteners are correctly tightened as written in this manual and any “Special Instructions.” Parts that are not tight enough can be lost or operate poorly. Over tightened parts can be damaged. Make sure any replacement fasteners are the correct size and type.
- Check the tightness of the wheels.
- Keep the product clean and free of dirt, dust and water. This will prolong the useful life of the product.
- **Always remove the battery** when replacing a component or performing maintenance.
- Periodically check your e-Bike’s wiring and motor condition and mounting.
- Always store your e-Bike indoors. Bike’s left outside in weather can deteriorate very quickly. Store your e-Bike in a clean dry environment. Do not cover with plastic which will hold moisture inside and affect your bike’s electrical system.
- Store your battery indoors during cold weather to optimize battery performance.

**CAUTION:** Self-locking nuts and other self-locking devices may lose their effectiveness when re-used.

**CLEANING:** Do not submerge the drive unit in water or wash with a pressurized hose. Keep all components clean, especially the battery pack contact points. Clean carefully with soft, damp cloth using only mild soap and water.

**STORAGE:** Always store the battery pack in a cool dry place. Keep it away from sources of heat, such as stoves and heaters. During periods of prolonged storage, battery pack should be charged at least once every 6 months at a minimum of 60% or every 3 months at 40%. Do not charge higher than 60% when storing.

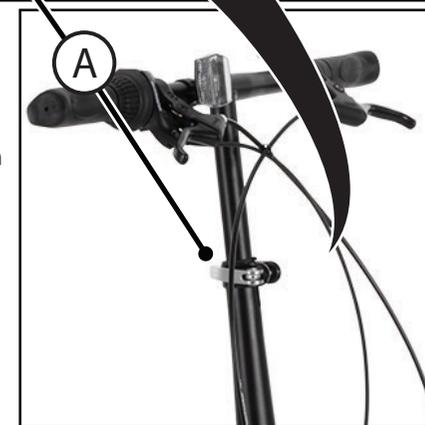
**NOTE:** If the instructions in this manual or any “Special Instructions” are not sufficient for you, please contact customer service.

## Adjusting the Handlebar Height



### STEPS:

1. Adjust Handlebar to a comfortable riding position.
2. As needed, open and close the Quick Release Lever (A) with one hand and tighten or loosen the Adjusting Nut (B) by hand, so that you first feel resistance when closing the Quick Release Lever.
3. Push the Quick Release Lever to the “CLOSE” position to set the Handlebar position - It will take **some force** to clamp securely so that the Quick Release Lever lays against the Clamp Body.



**! WARNING:** Failure to follow these instructions could result in lock device coming loose with serious injury to rider or others.

## Pedal Installation

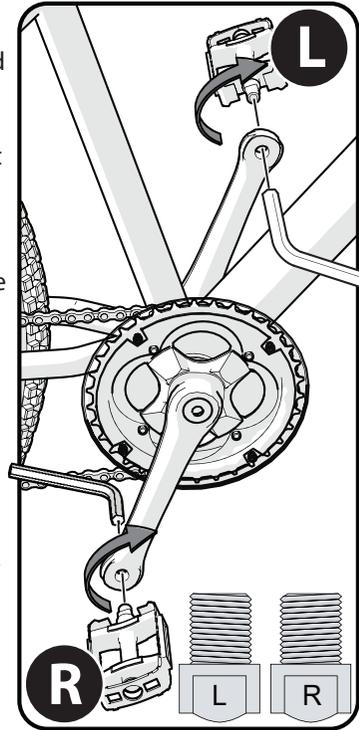
**CAUTION:** There is a RIGHT pedal marked **R** and a LEFT pedal marked **L**.

- The pedal marked **R** has right-hand threads. Tighten it in a **clockwise direction**.
- The pedal marked **L** has left-hand threads. Tighten it in a **counterclockwise direction (anti-clockwise)**.
- Turn the right pedal marked **R** into the right side of the crank arm, and the left pedal marked **L** into the left side of the crank arm.

### TIGHTEN THE PEDALS:

- Make sure the threads of each pedal are fully into the crank arm - **Tighten securely**.

**WARNING:** Ensure pedals are secure in crank arms so they will not loosen. Periodically check tightness.

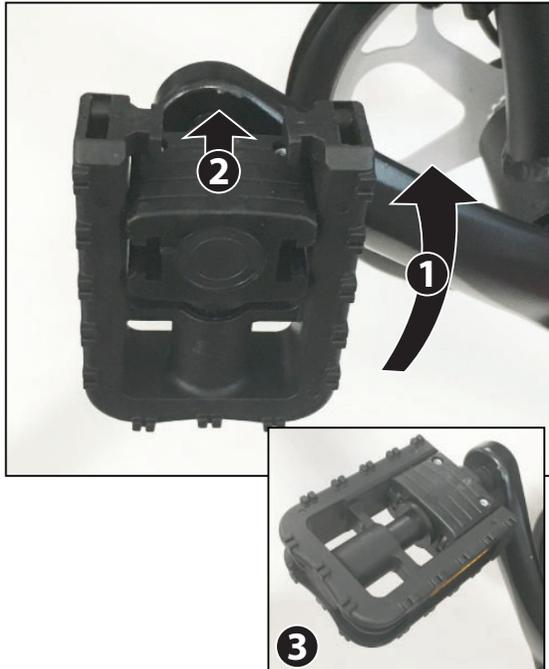


### UNFOLDING THE PEDALS:

#### STEPS:

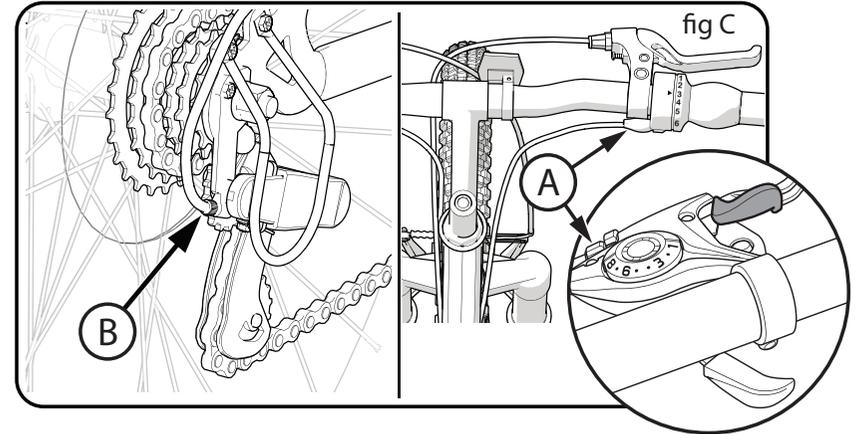
1. Turn each Pedal 90° OUT and they will SNAP locked into horizontal position.
2. To fold Pedals again, push IN and rotate 90° up or down into folded position.

**WARNING:** Do not use bike if pedals are not SNAPPED fully into horizontal riding position. Failure to follow these instructions could result in lock device coming lose with serious injury to rider or others.



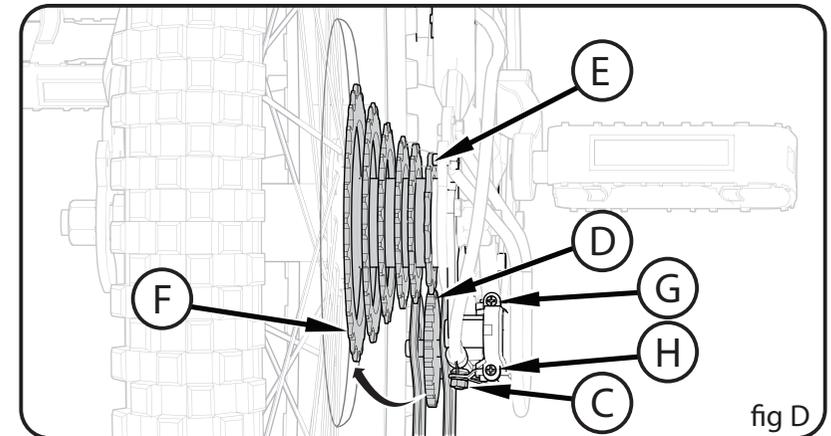
## Rear Derailleur Adjustments

The rear derailleur has two adjusting screws. The “low” adjusting screw, sometimes marked **L**, limits how far the rear derailleur and chain can move toward the wheel. The “high” adjusting screw, sometimes marked **H**, limits how far the rear derailleur and chain can move away from the wheel.



### Put the “high” adjusting screw in the correct position as follows (fig D):

- Shift the chain onto the smallest rear sprocket. Loosen Nut **C** of the cable clamp.
- Turn the lever Barrel Adjuster **A** and rear Derailleur Adjustor **B** all the way IN (fig C).
- Turn the “high” adjusting Screw **G** so the Jockey Roller **D** is in line with the outside edge of the smallest rear Sprocket **E**.
- Remove the slack from the cable wire and tighten the Nut of the cable clamp.



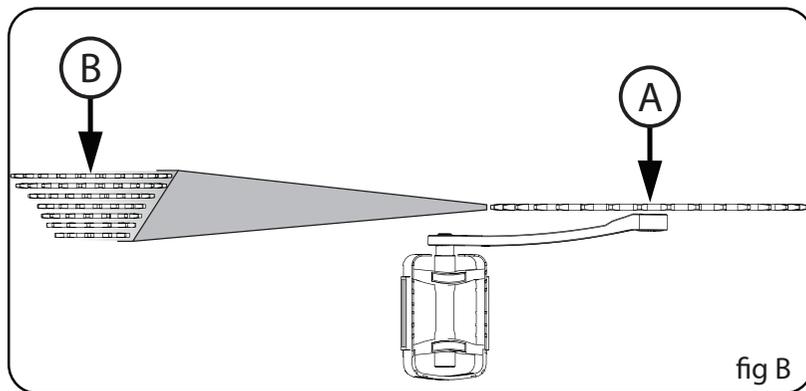
## Shift System - continued

**CAUTION:** Do not force the shift lever. Shift only when pedaling forward and without strong force. Do not backpedal. Backpedaling can cause the chain to come off the sprockets. Backpedaling and shifting while not pedaling can damage the sprockets and stretch the cable wire.

There is no “correct gear” in which to ride the bicycle. The “correct gear” is the one that is comfortable to you.

To select a gear while riding (this model has only one Front Sprocket **(A)**) (**fig B**).

1. While pedaling, shift the chain onto different rear sprocket.
2. You will feel a difference in the rhythm and ease of pedaling.
3. Shift the chain to the gear that allows you to pedal at a rhythm and effort that is comfortable to you.
4. When riding uphill or against the wind, you may wish to shift the chain onto a larger rear sprocket **(B)**.

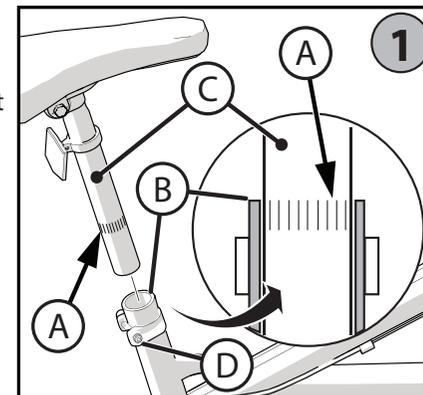


## Seat Installation

**WARNING:** To prevent the Seat coming loose and possible loss of control, the “MIN-IN” (minimum insertion) mark **(A)** on the Seat Post must be **BELOW** the top of the Seat Tube **(B)**.

### STEP 1 - INSERT SEAT POST INTO SEAT TUBE:

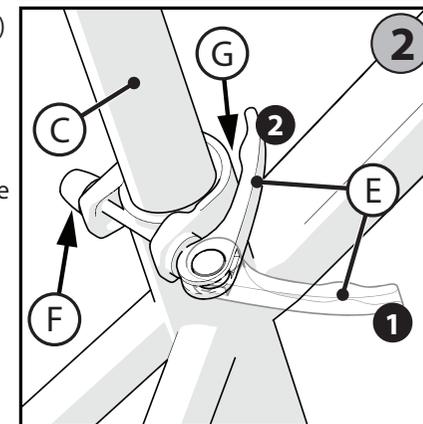
- If needed, loosen Seat Post Clamp Screw **(D)** or **open** the Quick Release Lever **(E)**.
- Point the Seat forward and put the Seat Post **(C)** into the Seat Tube **(B)** with the “MIN-IN” marks **BELOW** the top of the Seat Tube as shown.



### STEP 2 - QUICK RELEASE LEVER: (various models)

**CAUTION:** Operate the Quick Release Lever by **HAND ONLY - DO NOT USE TOOLS**.

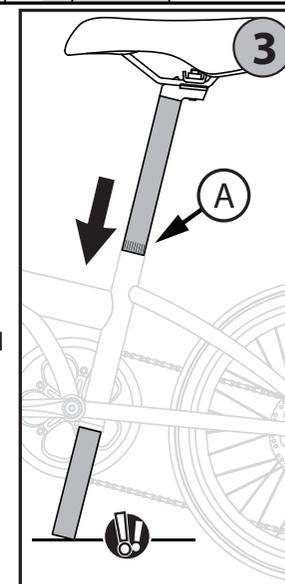
1. As needed, open and close the Quick Release Lever **(E)** with one hand and tighten or loosen the Adjusting Nut **(G)** by hand, so that you first feel resistance to the Quick Release Lever when it is in the “**OPEN**” position **(1)**.
2. Push the Quick Release Lever to the “**CLOSE**” position **(2)** - It will take **strong force** to clamp securely so that the Quick Release Lever lays against the Seat Post Clamp **(F)**.



**WARNING:** You must use strong force to move the Quick Release Lever securely to the “**CLOSE**” position **(2)**. This ensures that the seat does not move during normal operation.

### STEP 3- MAX INSERTION

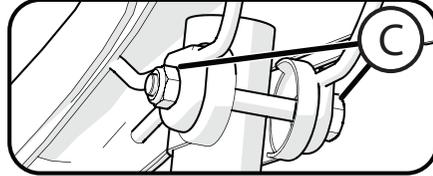
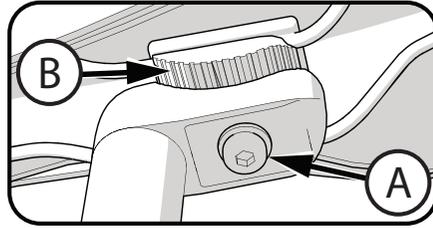
**WARNING:** If your seatpost projects from the frame beyond the **maximum** insertion marks, it is possible that your seatpost may break or hit the ground, causing you to lose control or fall.



## Seat Bolt Saddle Adjustment (various models)

### SINGLE BOLT CLAMP:

1. Loosen the clamp bolt (A) sufficiently to allow any serrations (B) on the mechanism to disengage before changing the saddle's angle.
2. With serrations fully re-engaged and saddle in a comfortable riding position, tighten the clamp bolt (A) securely to ensure the saddle will not come loose.



**⚠ WARNING:** Serrations on the mating surfaces of the clamp can wear with use and adjustment. Check that the clamp is tight and secure before each ride.

### DUAL CLAMP:

3. Loosen clamp bolt/nut (C) as needed and adjust seat to a comfortable riding position.
4. With clamp fully on seat post as shown, tighten bolt/nut (C) securely so that seat does not move when in use.

## Testing Seat Clamp and Post Clamp Tightness

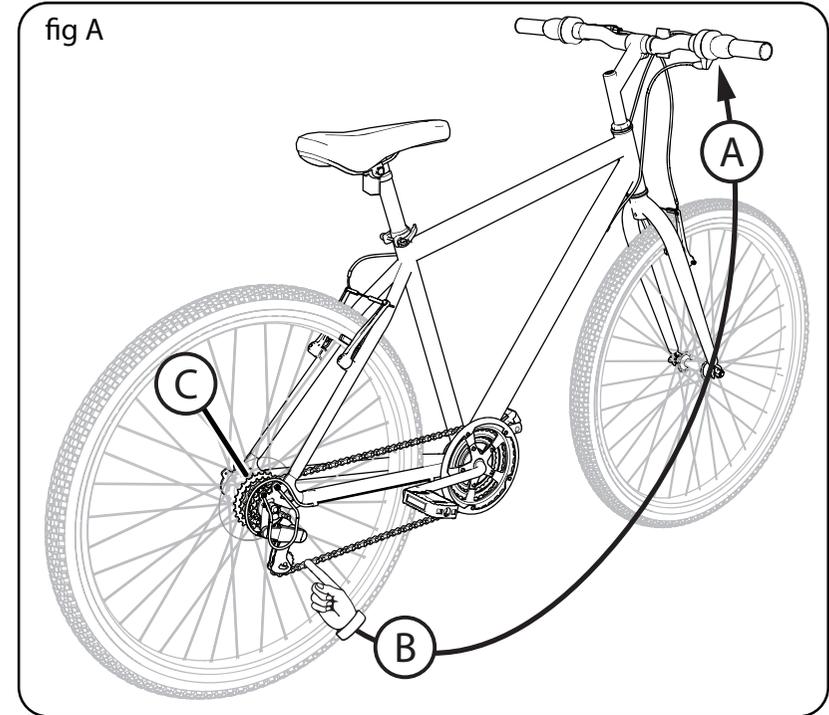
### To test the tightness of the seat clamp and the post clamp:

- Try to turn the seat side-to-side and to move the front of the seat up and down.
- **If the seat moves in the seat clamp:**
  - Loosen the Seat clamp nut.
  - Put the seat in the correct position and tighten the seat clamp tighter than before.
  - Do this test again, until the seat does not move in the seat clamp.
- **If the seat post moves in the seat tube clamp:**
  - Loosen the seat clamp lever.
  - Put the seat post in the correct position and tighten the seat clamp nut tighter than before.
- If necessary, tighten or loosen hand nut so that quick release tightens securely.
  - Do this test again, until the seat post does not move in the seat tube clamp.

## Shift System

### Parts of the Shift System:

- Right-hand Shift Lever (A) operates the Rear Derailleur (B).
- Rear Sprocket Set (C).

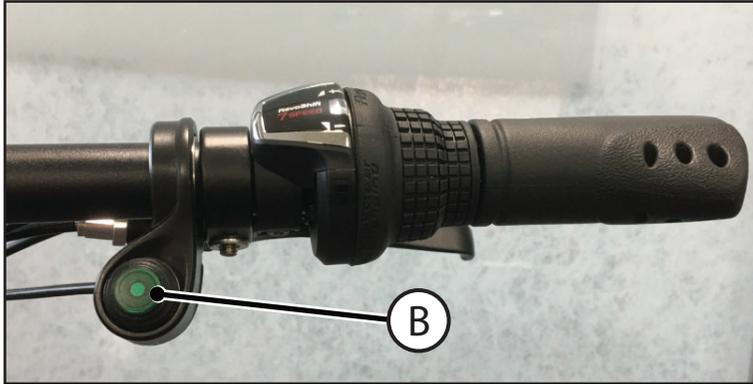


### Operation:

#### Operate the shift system as follows:

1. The rider turns the rear shift control around the handlebar (for twist shift models) or moves the shift lever (thumb shift models) to an index position
2. When the rear shift control moves into each position with a "click" sound, the shift is complete
3. The shift control pulls a cable wire that is attached to the rear derailleur.
4. The derailleur moves and guides the chain from one sprocket to another.
5. If there is some chain noise after the shift, turn the rear shift control a small amount to "trim" the rear derailleur.

## Using the Battery Drive System

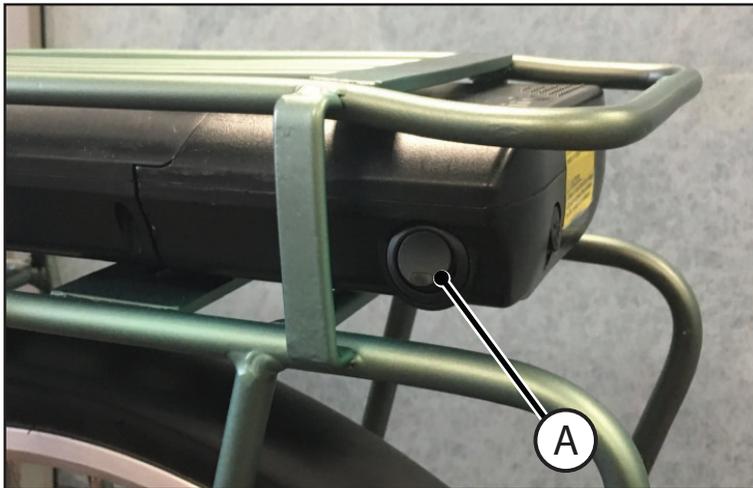


### BATTERY POWER

- Before using Battery Drive System, turn Battery Switch (A) to ON position.

### ENGAGE BATTERY ASSIST:

- Press the Green Thumb Button (B) to engage Battery Assist. (Button will light Green). Battery Assist will engage after a few pedal revolutions.



## Tires (as equipped)

### MAINTENANCE:

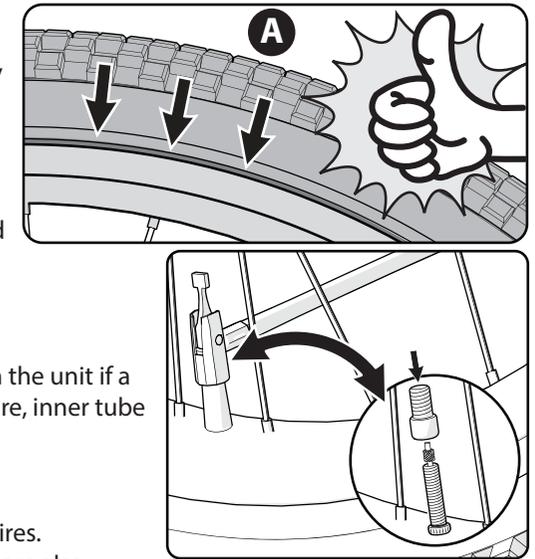
- Frequently check the tire inflation pressure because all tires lose air slowly over time. For extended storage, keep weight off of the tires.
- Do not use unregulated air hoses to inflate the tire/tubes. An unregulated hose can suddenly over inflate tires and cause them to burst.
- Replace worn tires.

**! WARNING:** Do not ride or sit on the unit if a tire is under inflated. This can damage the tire, inner tube and rim.

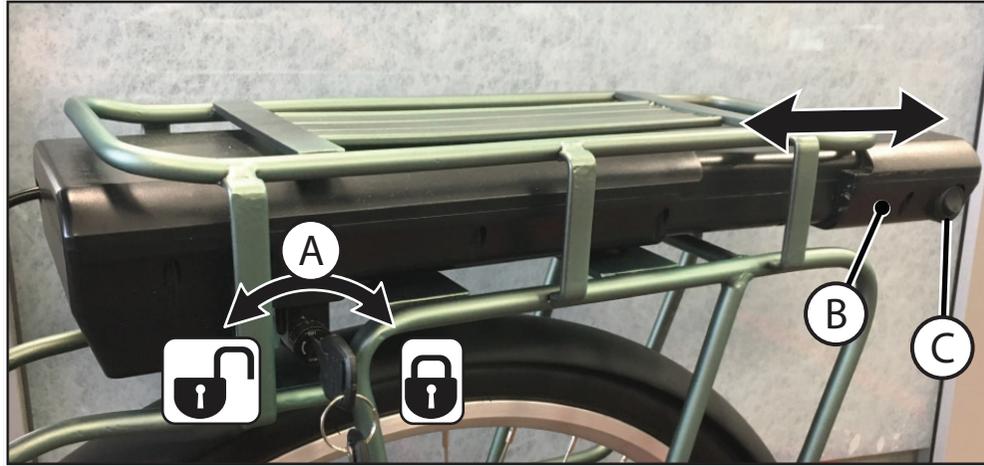
### INFLATING THE TIRES:

- Use a hand or a foot pump to inflate the tires.
- Service station meter-regulated air hoses are also acceptable.
- The maximum inflation pressure is shown on the tire sidewall.

Before adding air to any tire, make sure the edge of the tire (the bead) is the same distance from the rim, all around the rim, on both sides of the tire (A). If the tire does not appear to be seated correctly, release air from the inner tube until you can push the bead of the tire into the rim where necessary. Add air slowly and stop frequently to check the tire seating and the pressure, until you reach the correct inflation pressure.



## Drive Battery Installation



### STEPS:

1. Insert Key (A) and turn left to Unlocked position.
2. Position Battery (B) as shown and slide fully into position.
3. Turn Key right to LOCKED position.
4. Gently pull backwards on battery to ensure it does not move or come lose.

**NOTE:** Before using Battery Drive System, turn Battery Switch (C) ON and follow Operation instructions included with this product.

## Charging the Drive Battery:

**IMPORTANT!** Before using the unit for the first time fully charge the Battery. Battery Charger will shut off when Battery is fully charged, but **never charge longer than 12 hours.**

**NOTE:** Your e-Bike Li-Ion Battery can be charged either installed in the bike or removed.

### ⚠ WARNINGS:

- All large Li-Ion batteries are a potential fire risk and should be charged in a safe place, preferably outside or in the middle of a garage floor.
- Never charge a lithium battery unsupervised inside a house or building.
- Only an adult who has read and understands the safety warnings should handle, charge or recharge of the battery.
- See other Battery Warnings in this manual.
- Check the drive battery and charger (supply cord, connector) for wear and damage before charging. Do not charge the battery if damage has occurred. Only replace with the same type and voltage rechargeable battery and charger supplied by the manufacturer.
- Only use the rechargeable battery (or equivalent replacement) and charger supplied with your vehicle.
- The drive battery should be charged when depleted, or if not used regularly, once a month. Failure to charge the battery as directed will cause permanent damage to the battery and will void the warranty.
- Charge only when battery has cooled to room temperature after a ride.



### STEPS:

1. Turn power switch OFF.
2. Locate Charging Port (A).
3. Plug Charger plug into unit Charging Port.
4. Plug Charger into Wall outlet.
5. When battery is fully charged, un-plug charger from the wall outlet and disconnect from charger port.

### NOTES:

- Press Button (B) to check battery charge Level.
- The charger may feel warm during the charging. If excessively hot, unplug and replace.
- This product has charging protection: When charging, all functions are turned OFF.