



**FLYER.**

**FLYER™** Folding Cargo **OWNER'S MANUAL**



## Welcome to the Flyer™ Fleet

Congratulations on your new Flyer™ Folding Cargo

The Flyer™ line delivers a high-performance experience for riders of all ages, ranging from micromobility solutions for families to premium wheels for kids. As an extension of the Radio Flyer® brand, Flyer™ products are created with the same beautiful design and quality that has inspired our work for over a century. We hope your new Flyer™ Cruiser offers a fun, sustainable, and convenient way to get out and explore your world.

We can't wait to see where your new ride takes you.

Cheers,

The Radio Flyer Team

*Time Flies. Enjoy the Ride.®*

### ABOUT THIS MANUAL

This owner's manual contains details of your Flyer™ eBike including instructions for assembly, operating, and maintenance. To ensure safe use and prevent injury, please carefully read all information in this manual before use. Take time to familiarize yourself with your Flyer™ eBike before use.

While this owner's manual is meant to introduce you to your Flyer™ eBike, it is impossible to guide owners on every possible scenario when using a bicycle. There are inherent risks using any bicycle and it is the owner's sole responsibility to ensure safe riding. Always take responsibility for your own safety.

Please keep this manual for future reference. If you have any questions about your eBike, contact the Radio Flyer Customer Service Team. Our award-winning service team is committed to providing you with world class support, right from Chicago.

Phone: 1-800-621-7613

Email: [customerservice@radioflyer.com](mailto:customerservice@radioflyer.com)

Customer Service Hours: 8am – 5pm CST, Monday through Friday

Flyer™ Service Website: [flyer.radioflyer.com/customer-service](http://flyer.radioflyer.com/customer-service)




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## Important Safety Instructions

### SAFETY WARNINGS

 **WARNING!** When using this product, basic precautions should always be followed including the following:

- Read all safety warnings and instructions before using the product. Failure to follow warnings and instructions may result in serious injury or death.
- To reduce the risk of injury, close supervision is necessary when the product is near children.
- Do not put fingers or hands near spokes or moving parts.
- The Flyer™ eBike is intended for persons 16 years of age and older. Always ensure riders have the physical coordination and skill to navigate the bicycle safely while managing road conditions, traffic and adhering to all laws for bicycle use.
- Please check local laws to confirm legal requirements for using your eBike. The Flyer™ eBike is meant for paved roads and sidewalks, not off-road conditions.
- Do not use the Flyer™ eBike at ambient temperatures less than 14°F (-10°C) or above 104°F (40°C)

SAVE THESE INSTRUCTIONS

# Getting Started

## ASSEMBLY INSTRUCTIONS

The following steps provide a general overview of the assembly process for your eBike. It is recommended to consult a professional bicycle mechanic for assistance with your eBike's assembly, maintenance, and repair.

Visit [flyer.radioflyer.com](http://flyer.radioflyer.com) or contact [customerservice@radioflyer.com](mailto:customerservice@radioflyer.com) for additional assistance assembling, using, repairing or maintaining your eBike.



**⚠ WARNING!** Incorrect assembly, maintenance, or use of your Flyer™ eBike can cause component failure, loss of control, serious injury, or death. Please note, the assembly and first fit of your Flyer™ eBike require special tools and mechanical skills. It is highly recommended that the assembly and adjustment are completed by a reputable bicycle mechanic when possible.

The following items are required for assembly:

- 5mm allen wrench (included)
- 8mm allen wrench (included)
- 15mm open-ended wrench (included)

### Step 1: Unpack your bike

*Note: Due to the size and weight of the bike, it is recommended that two adults remove and lift the bike from the carton.*

Remove the bike from the outer carton and set it on a flat, clean surface. Lean the bike up against a rigid wall and make sure it is stable. Remove all protective packaging material and carefully cut all zip-ties to avoid damaging the paint. Verify that you have all of the components listed below. Contact Radio Flyer Customer Service if any components are missing.

- Kickstand + Bolt & Washers
- Right Pedal + Washer
- Keys
- Charger
- Tool Kit



## Step 2: Install kickstand

A. Release the rubber latch that holds the bike in the folded position. Re-attach this latch to the pin located on the rear frame.

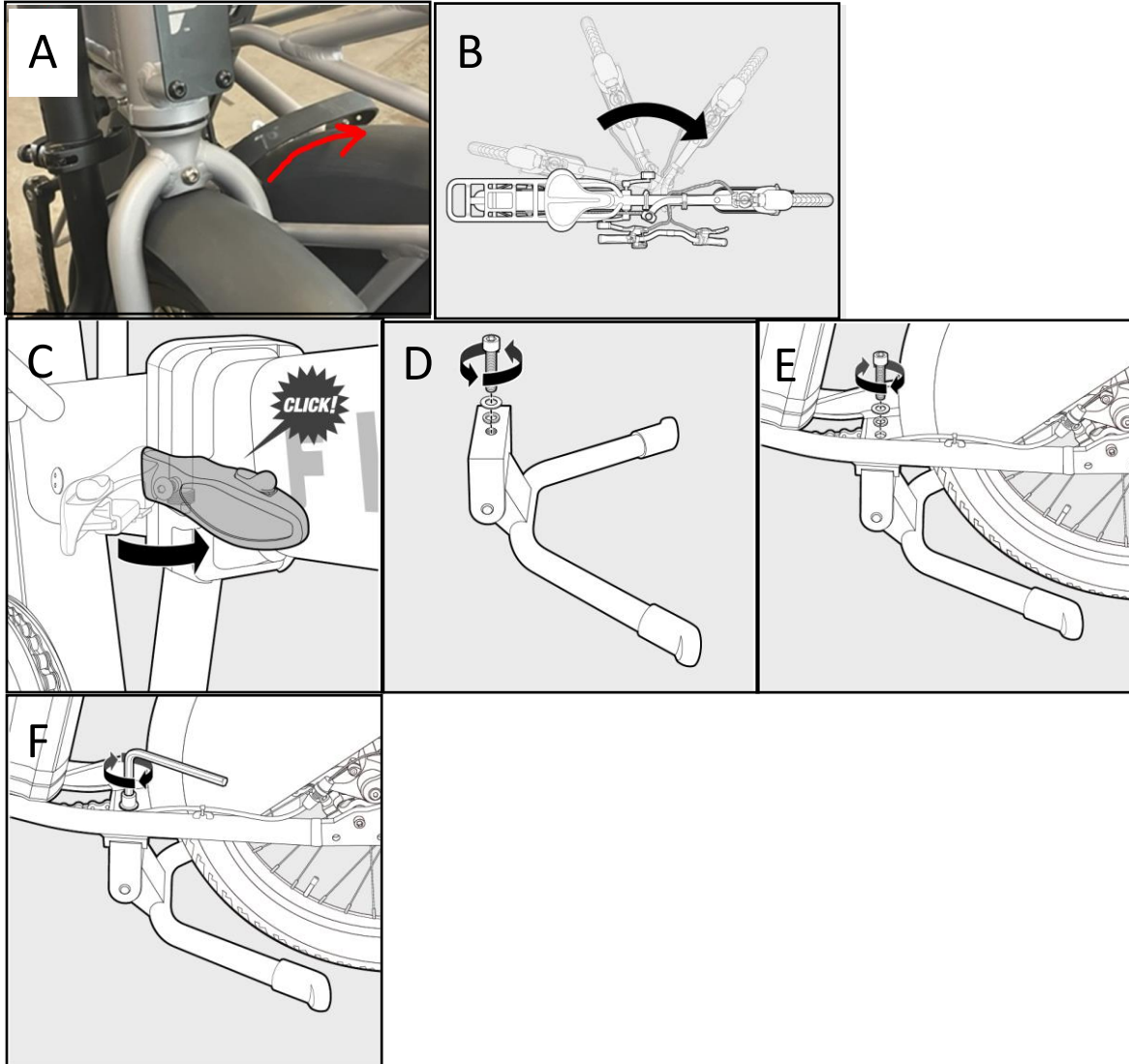
B. Unfold the bike frame until the front and rear frames are aligned.

C. Push the frame folding latch closed until you hear a click.

D. Make sure the bike is leaning against a stable surface. Unscrew the bolt and washers from the top surface of the kickstand.

E. Align the kickstand in bracket underneath the bike frame. Make sure the legs are pointing towards the rear wheel. Reattach the lock washer on the bolt. Then, reattach the washer on the bolt. Tighten the bolt by hand until it is too difficult to turn.

F. Tighten the kickstand bolt to 30 N-m using a torque wrench with 8mm hex bit.



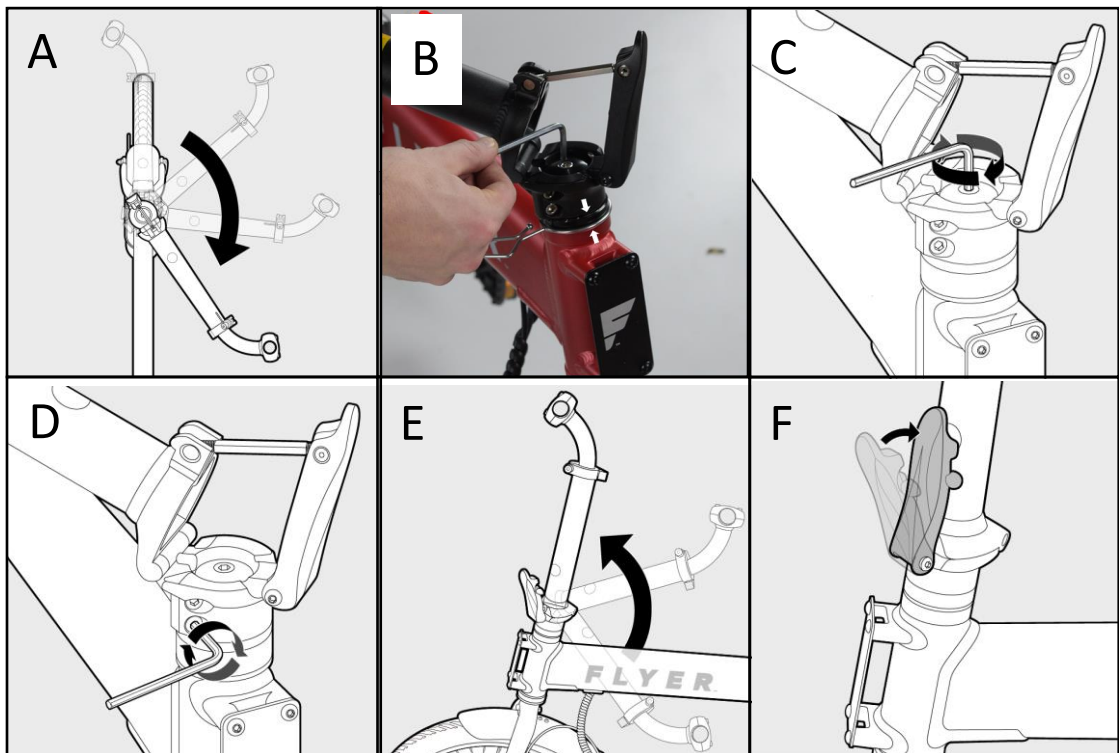
⚠ Warning: Failure to not secure the kickstand properly could cause it to fall off during riding.

### Step 3: Position handlebar stem

Your Flyer™ eBike's handlebar stem is designed to be adjusted for optimal comfort.

- A. While holding the front wheel in place, rotate the stem to the rough location depicted below.
- B. Align the arrow decals on the frame, stem, and fork to ensure that the Stem is assembled straight. Check to make sure the cables are not twisted around the stem.
- C. While keeping the arrows aligned, tighten the top stem bolt to 6 N-m using the 6mm allen key.
- D. While keeping the arrows aligned, tighten the side stem bolts to 6 N-m using the 6mm allen key.
- E. Rotate the stem up until it is straight.
- F. Push the stem latch closed until you hear a click.

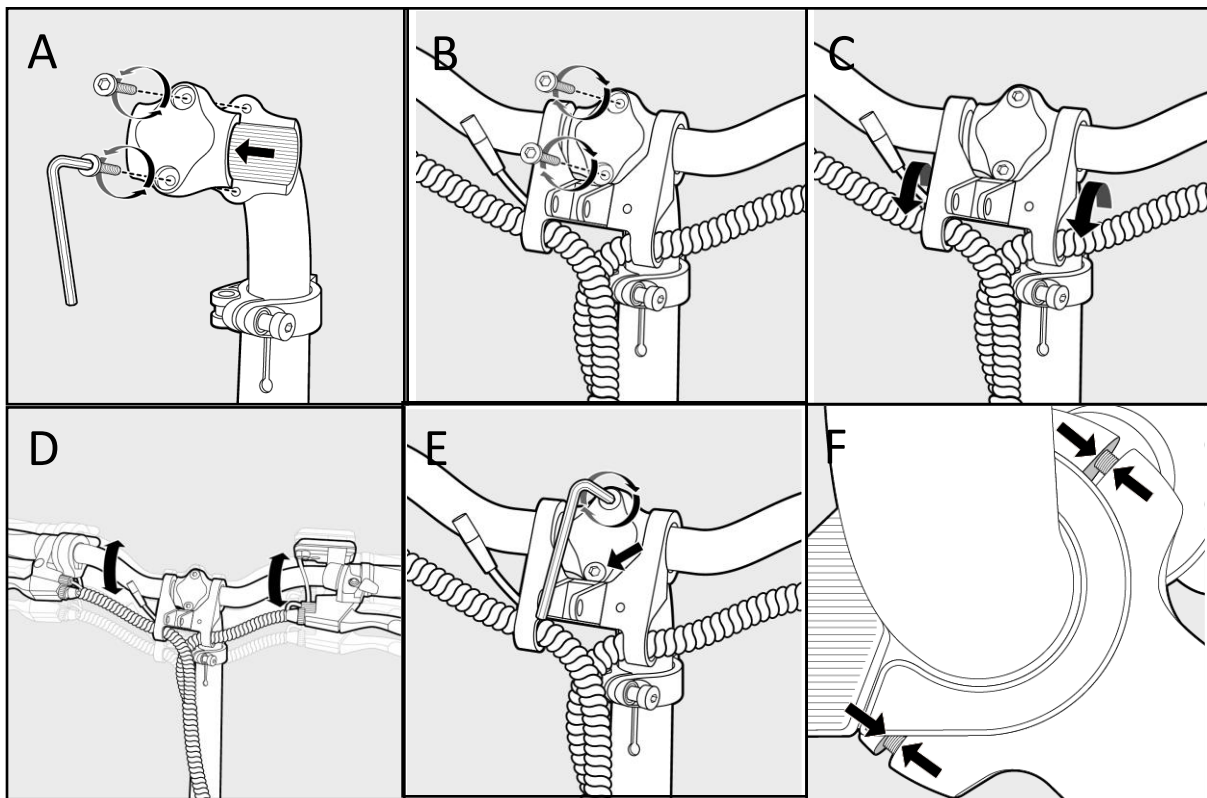
⚠ Warning: Failure to properly tighten the stem may result in a loss of steering and could cause injury or death.



#### Step 4: Install Handlebars

- A. Using the provided 4mm allen wrench, loosen the two stem clamp bolts.
- B. Place the center of the handlebar in between the stem clamps. Tighten both bolts by hand making sure the handlebar can still freely rotate. Check to see that the cables are not twisted around the stem.
- C. Rotate the plastic wire harness to the position depicted below. Make sure both cable bundles are fed through the hooks under the plastic housing.
- D. Rotate the handlebar until the preferred position is achieved checking to ensure the handlebar is centered left-to-right within the stem clamp.
- E. Evenly tighten the bolts to 6 to 8 Nm using a torque wrench.
- F. Ensure the gap between the stem and clamp is even.

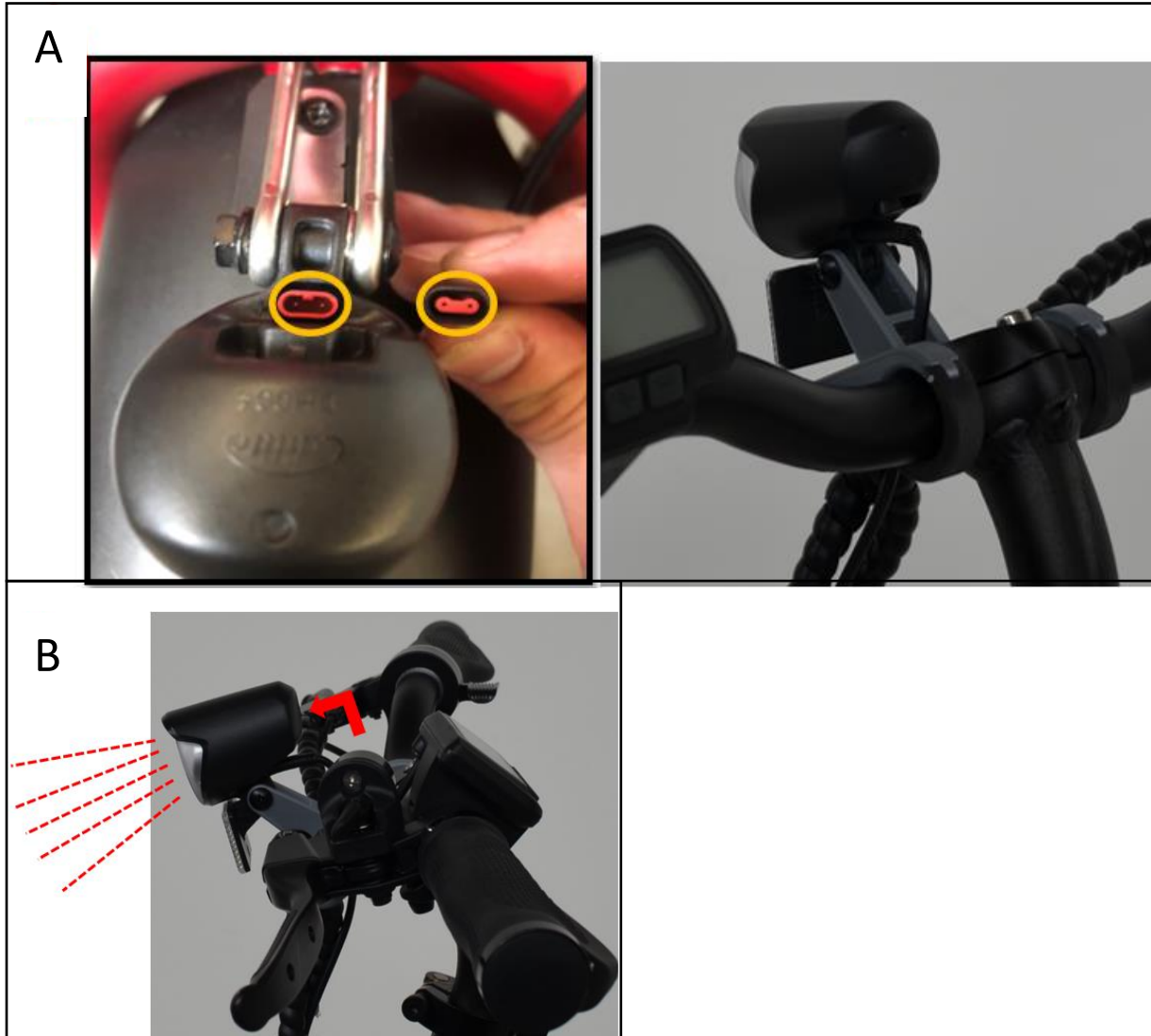
Note: Complete assembly of the bike per the steps above. The stem and handlebar angle can be adjusted as needed based on rider preference. Always re-tighten bolts to the specified torque values prior to riding.



### Step 5: Install headlight

A. Fully install the connector to the rear of the headlight housing. Make sure the headlight wire is installed in the correct orientation by aligning the small rib on both connectors.

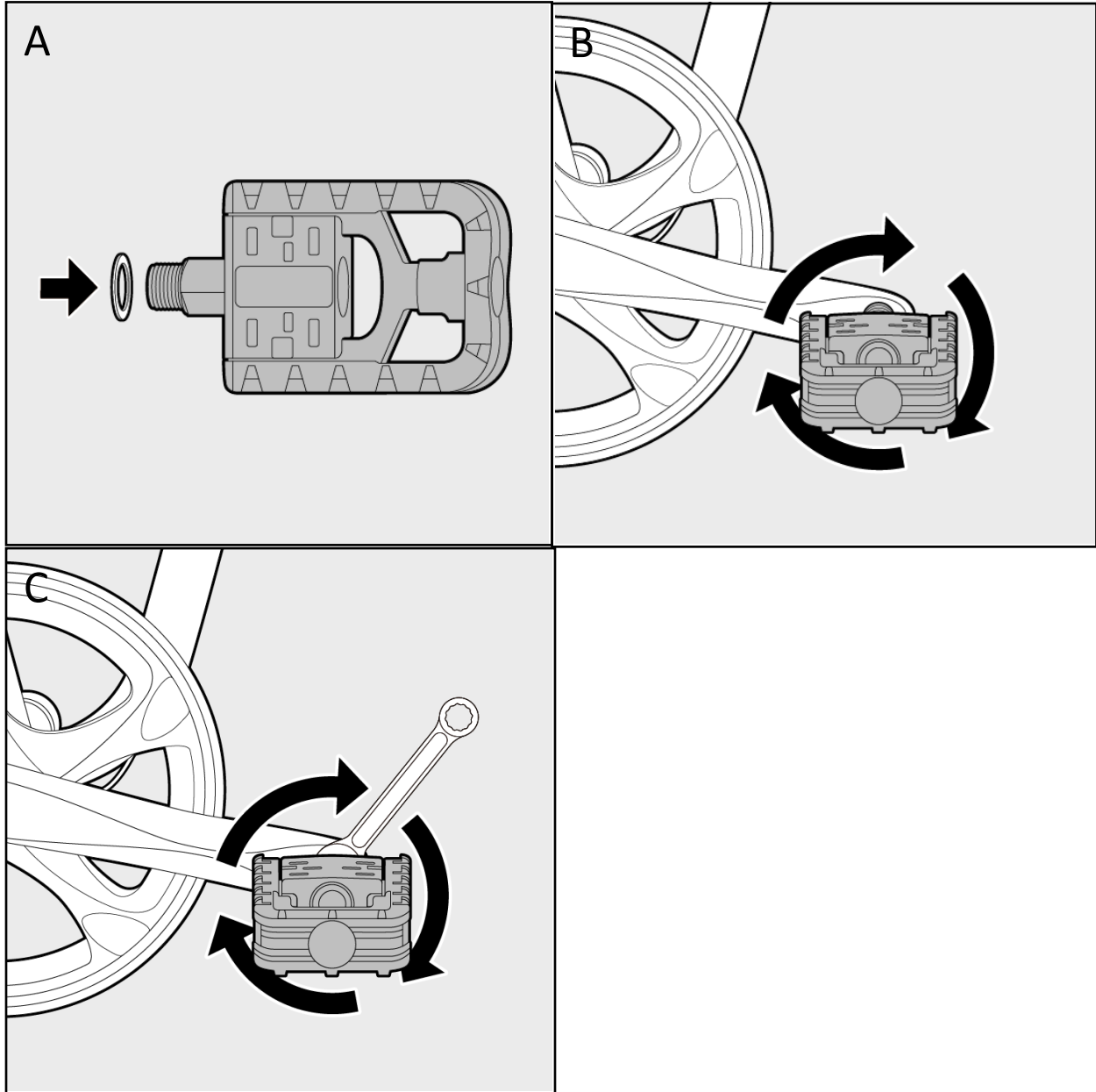
B. Adjust the angle of the headlight beam to illuminate the road ahead, while ensuring the light will not blind or obscure the vision of oncoming traffic or pedestrians.



*Note: It is not recommended to ride at night. If riding at night cannot be avoided, ensure the headlight is always on and functioning correctly while you are riding.*

### Step 6: Install right pedal

- A. Install washer onto the right pedal before installing.
- B. Install the right pedal to the crank arm by turning the axle clockwise by hand.
- C. Use the provided 15mm wrench to torque the pedal to 35 Nm.



*Note: We recommend applying pedal grease to the threads prior to installation. If replacing the left pedal, make sure to install the pedal while screwing counterclockwise.*

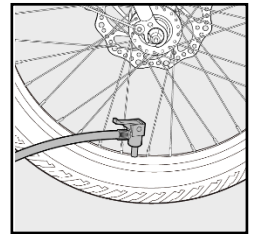
### Step 8: Check fastener torque values

Area of Bike	Hardware	Torque (Nm)
Handlebar	Stem Clamp Bolts	6
	Brake Lever Clamp Bolts	6
	Stem Faceplate Bolts	6 to 8
	Stem Cover Bolt	6 to 8
Seat Post	Seat Mounting Bolts	10
Kickstand	Kickstand Bolt	30
Front/Rear Brakes	Disc Brake Rotor to Hub	8
	Caliper Adapter to Frame	6 to 8
	Caliper to Adapter	6 to 8
Rear Dropout	Rear Axle Nuts	50
	Chain Tensioner Mounting Bolt	6
Bottom Bracket	Crank Arm Bolt	40
	Pedal into Crank Arm	35
	Chain Ring Bolts	8

### Step 9: Inflate tires to 40-50 psi



**⚠ WARNING!** It is important to maintain proper air pressure in the tires while riding. Do not overinflate or underinflate the tires. Overinflated tires may burst. Inflate your tires using an air source with a pressure gauge to avoid overinflation. Underinflated tires may impair the control of the eBike and cause a safety hazard.



## ACCESSORIES

Radio Flyer carries a full line of custom accessories to enhance the usability of your eBike. Please refer to the instruction sheets provided with each accessory to ensure proper assembly. Visit [flyer.radioflyer.com](http://flyer.radioflyer.com) or contact [customerservice@radioflyer.com](mailto:customerservice@radioflyer.com) for additional assistance assembling, using, or repairing your accessories.



**⚠ WARNING!** Incorrect installation of accessories can cause damage to the bike frame, loss of control, serious injury, or death.



## Adjusting Seat Height

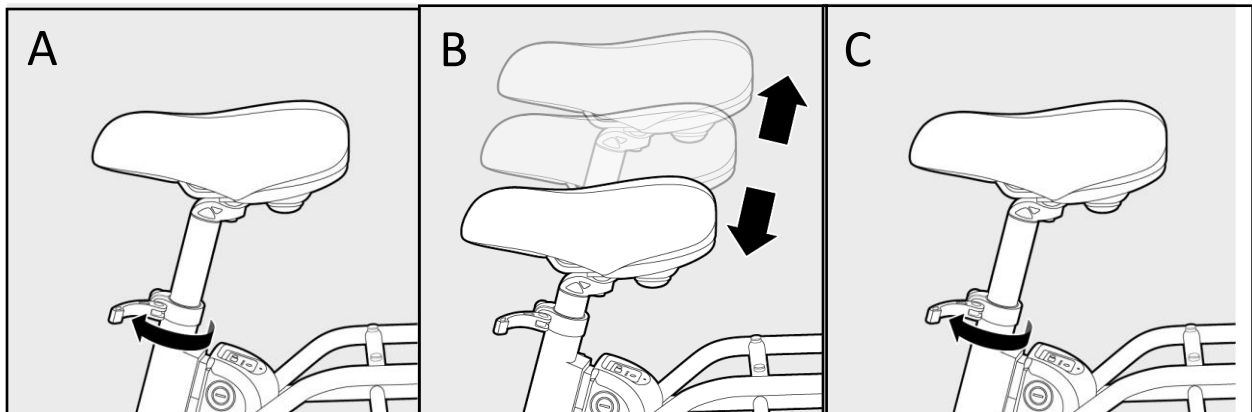
The seat height should be set based on your personal preference. The initial seat position can be set by first placing the ball of your foot on the pedal with the crank arm in its lowest position. In this position, your leg should be almost fully extended with a slight bend in your knee. The proper seat position is important to avoid strain and potential injury during riding. Consult a trusted, reputable bike mechanic or contact Flyer customer service for any questions related to the seat position and fit of your bike.

**⚠ WARNING!** The seat post must be inserted to the minimum insertion mark. Do not raise the seat post beyond the minimum insertion marking on the seat post tube. If the seat post is not inserted properly, the seat may be loose which can lead to serious injury or death.

A. Open the quick release lever located under the saddle. Rotate the lever fully open to allow the seat post to slide easily.

B. Move the seat up and down by sliding the seat post in or out of the seat tube. Set the saddle to the desired height based on rider preference. Ensure that the seat post does not extend beyond the “minimum seat post insertion” markings on the seat post.

C. Close the quick release lever fully against the seat post tube. This should take some force to ensure the seat post will stay firmly in place while riding.



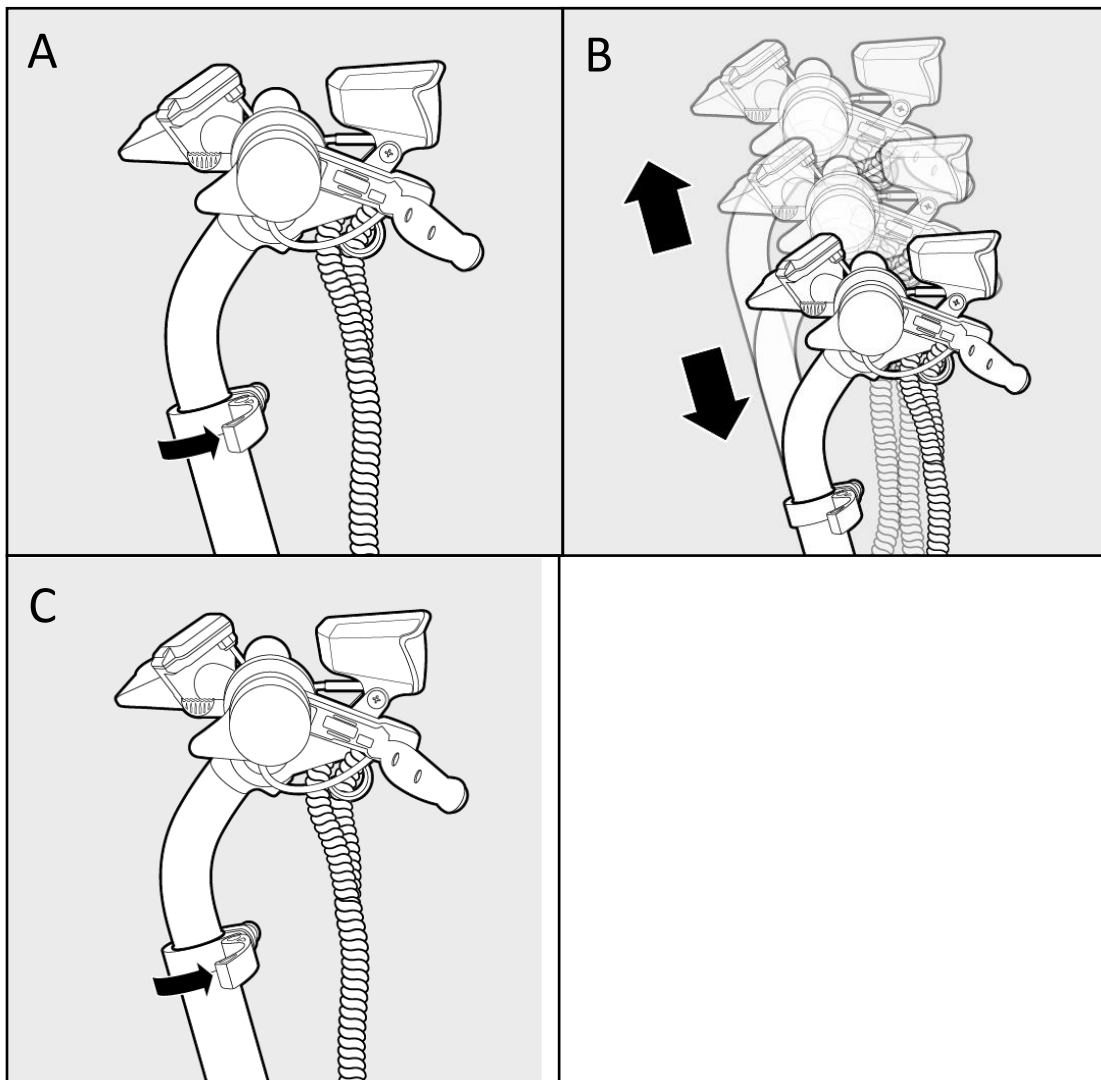
## Adjusting Stem Height

The stem height should be set based on your personal preference. The proper stem position is important to avoid back strain.

**⚠ WARNING!** The stem post must be inserted to the minimum insertion mark. Do not raise the stem post beyond the minimum insertion marking on the seat post tube. If the stem post is not inserted properly, the stem may be loose which can lead to serious injury or death.

A. Open the quick release lever located under the handlebar. Rotate the lever fully open to allow the seat post to slide easily.

B. Move the handlebars up and down by sliding the stem post in or out of the stem tube. Set the handlebars to the desired height based on rider preference. Ensure that the stem post does not extend beyond the “minimum seat post insertion” markings on the seat post.



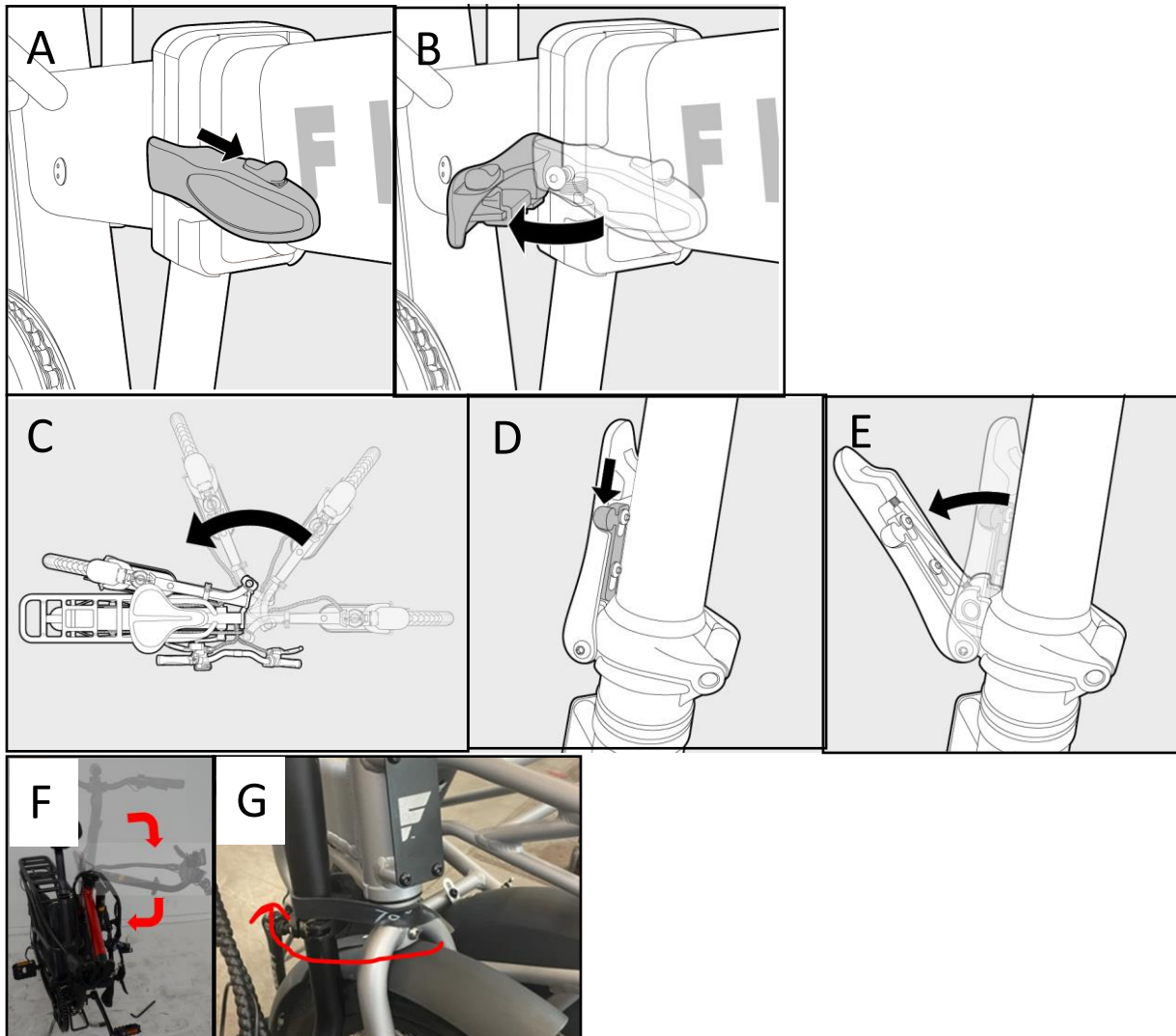


# Proper Bike Usage\*\*

## Folding the Bike

Note: Ensure the bike is on flat ground and the kickstand is deployed before folding. Remove any accessories attached to the bike that could inhibit the folding.

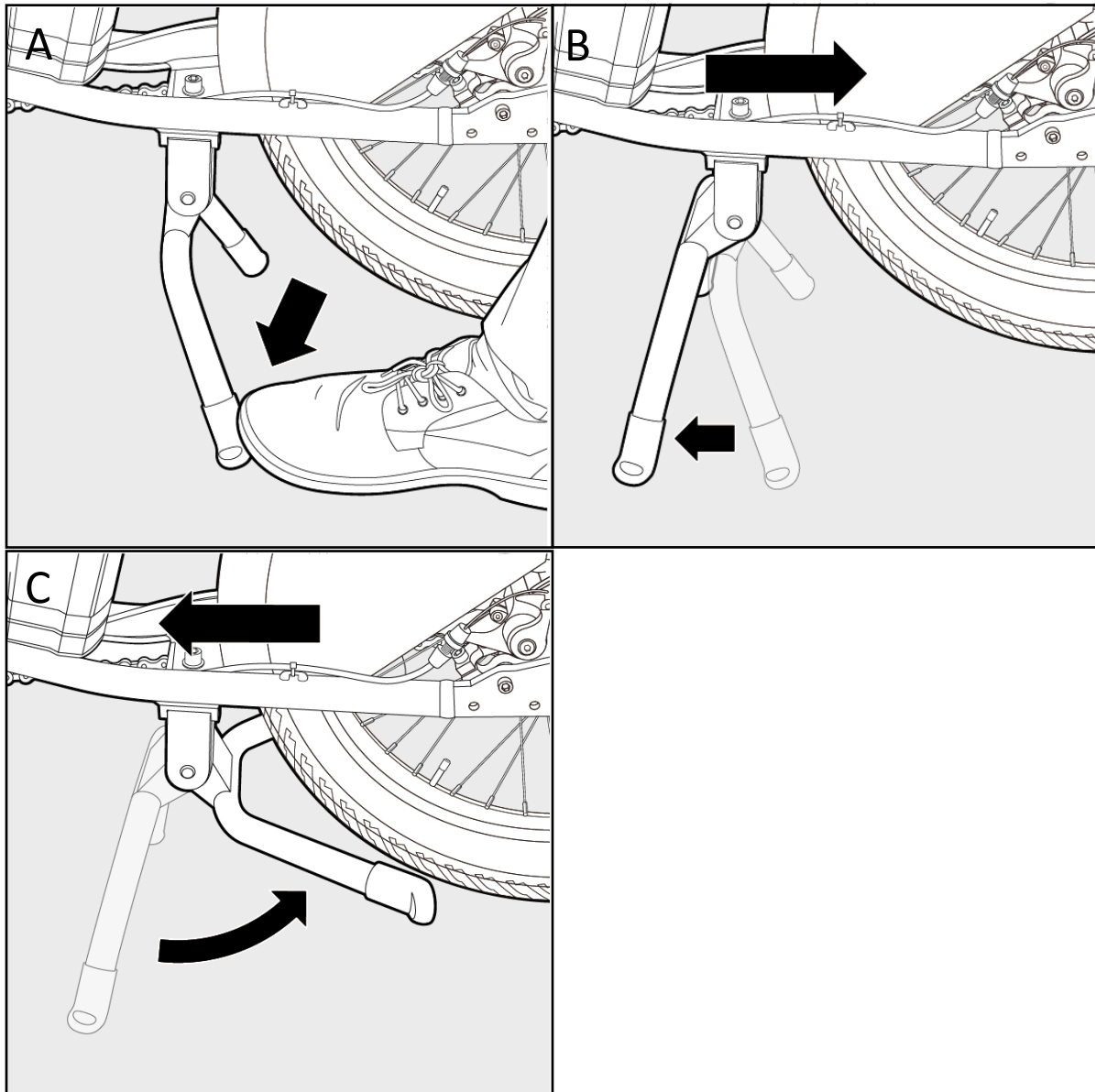
- A. Slide the round switch on the frame folding latch.
- B. While holding the round switch, swing the frame folding latch open.
- C. Rotate the front frame 180 degrees, and make sure the front wheel rotates 180 degrees with the front frame.
- D. Slide the round switch on the stem folding latch.
- E. While holding the round switch, swing the stem folding latch open.
- F. Rotate the stem 180 degrees.
- G. Unhook the rubber latch located under the rear rack. Secure the bike closed by wrapping the rubber latch around the stem and hook it on to the metal peg.



## Deploying and Retracting the Kickstand

Warning: Make sure the kickstand is deployed before loading and unloading kids or cargo from the bike. Incorrect kickstand use could cause injury or death.

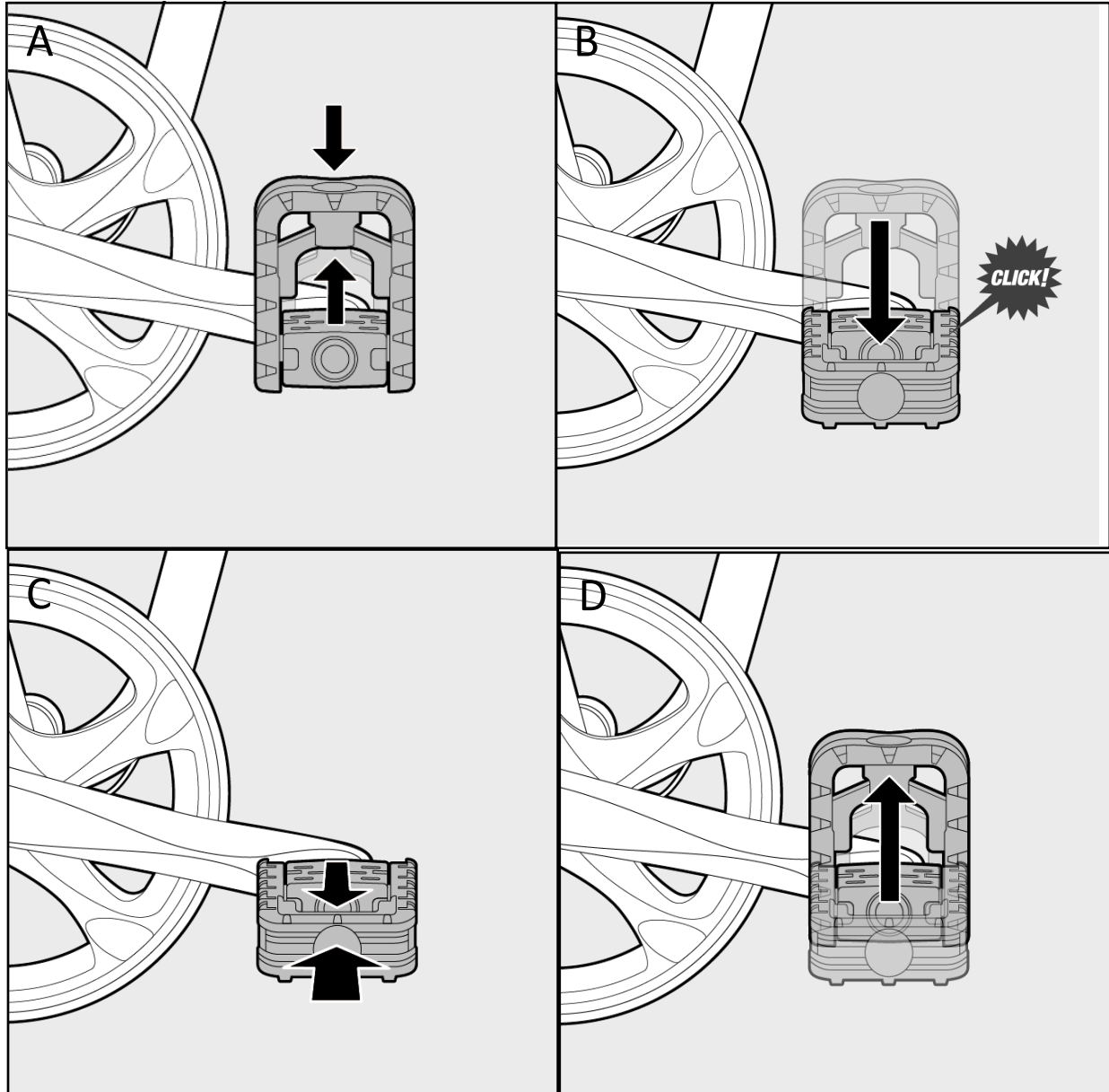
- A. Push the kickstand feet to the ground with your foot.
- B. While holding the kickstand against the ground, roll the bike backwards to engage the kickstand.
- C. To disengage the kickstand, roll the bike forward. If there is not enough friction between the ground and kickstand, place your foot in front of the kickstand leg before rocking the bike forward.



## Folding and Unfolding the Pedals

Warning: Always use the bike when the pedals are unfolded. Riding the bike with folded pedals could cause injury or death.

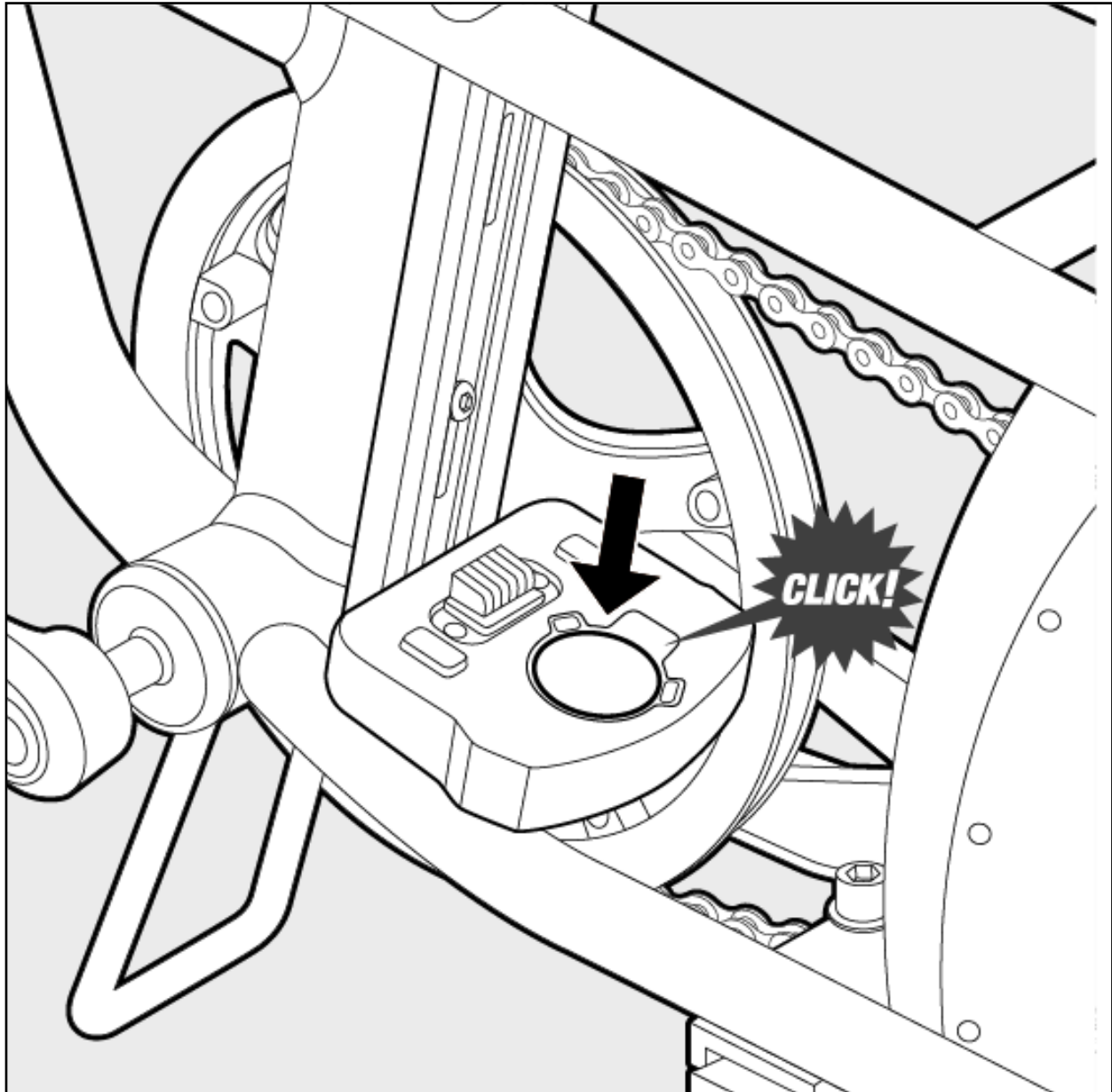
- A. To unfold the pedals, squeeze the plunger to disengage the lock.
- B. While squeezing the plunger, rotate the pedal down until you hear a click.
- C. To fold the pedals, squeeze the plunger to disengage the lock.
- D. While squeezing the plunger, rotate the pedal up until the pedal is perpendicular to the ground.



## Install Bluetooth tag (optional)

The bike includes a holder that can house one Bluetooth location tag as a security feature. The tag must be purchased separately and activated prior to installation. For a list of compatible tags visit [flyer.radioflyer.com](http://flyer.radioflyer.com) or contact [customerservice@radioflyer.com](mailto:customerservice@radioflyer.com)

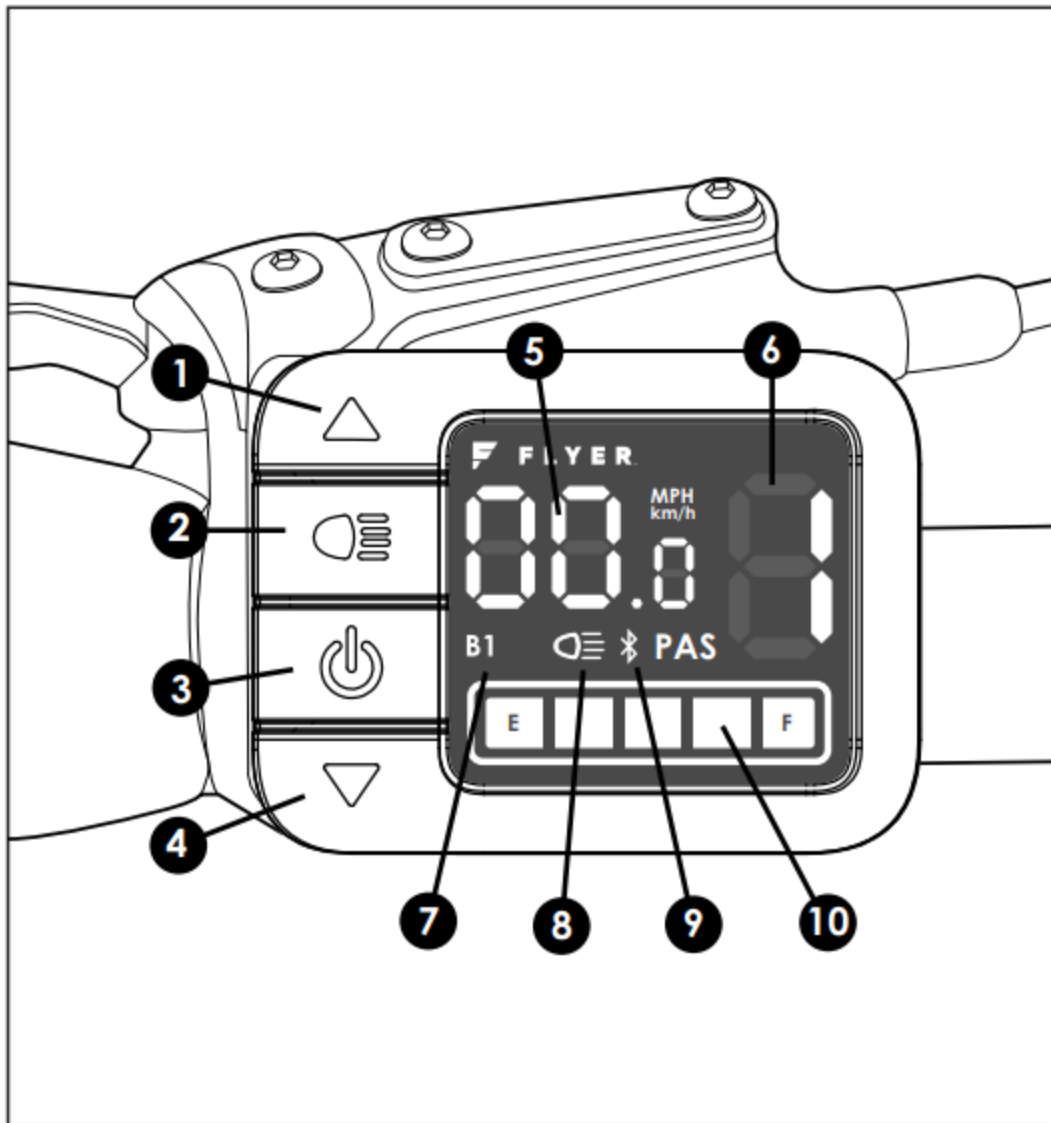
You can access the Bluetooth tag holder by removing the battery and locating the tag pocket on the dock. Push down on the tag device until you hear a click. Some Bluetooth tags require an adhesive tape to fit securely in the pocket.





## Operating Instructions

### HANDLEBAR DISPLAY



## Display Controls

Location	Description	Operating Instructions
1	PAS Increase Button	Tap to increase pedal assist level
2	Headlight Power Button	Tap to turn headlight on/off
3	Power Button	Push and hold to turn display on/off
4	PAS Decrease Button	Tap to decrease pedal assist level Push and hold to enable walking mode

## Display Icons

Location	Description
5	Speedometer
6	Pedal Assist Level
7	FPO FPO FPO FPO
8	Headlight Status Level
9	Bluetooth Status
10	Battery Life Indicator

## WALKING MODE

Walking mode is a feature to aid the user when walking the bike when the handlebar display is on. To enable walking mode, push and hold the "-" button on the display. The motor will engage at a steady speed of approximately 3MPH. To turn off walking mode at any time, release the "-" button or squeeze either hand brake to disable the motor.

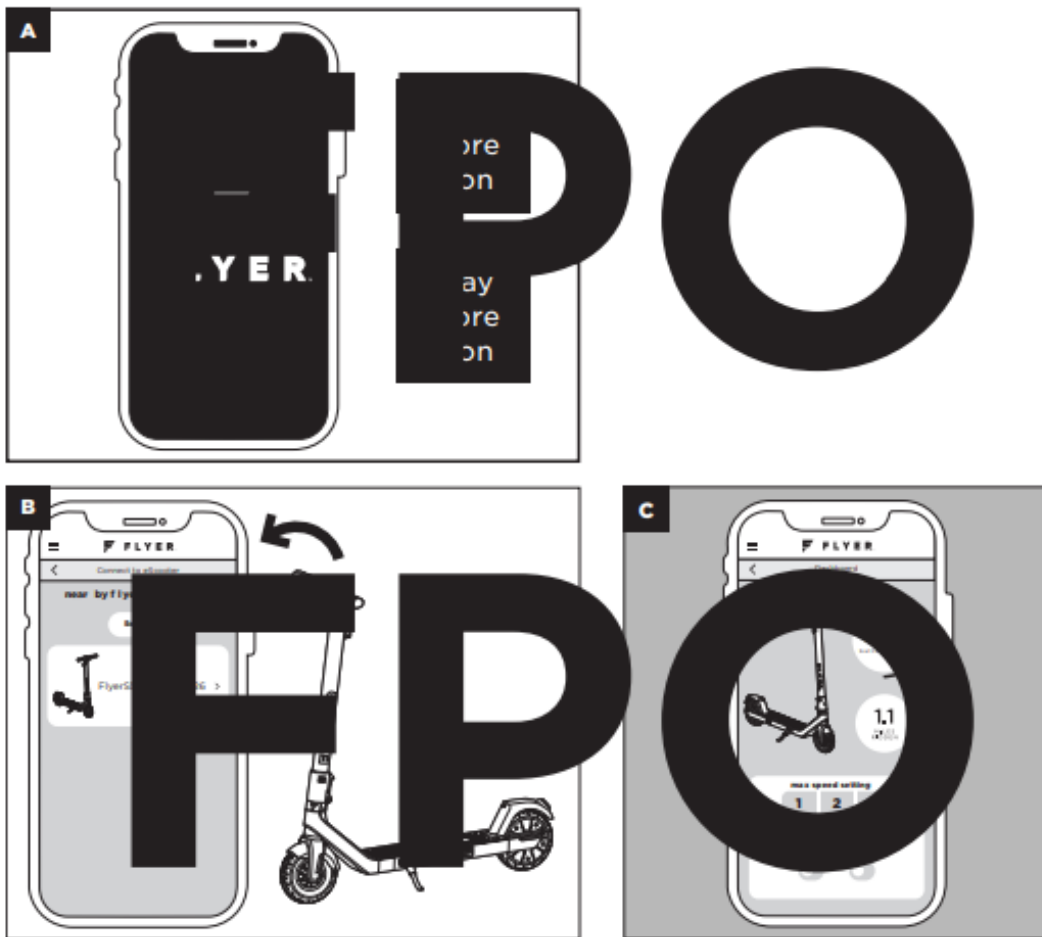
*Note: Walking mode should only be used while dismounted from the bike and with both hands on the handlebar. Always keep at least one hand on a brake lever to allow quick cutoff of the motor assistance if necessary.*

## FLYER™ APP USAGE

Download the Flyer™ App using the App Store or on Google Play.

Power on the eBike and ensure your mobile device has Bluetooth turned on. Click "Connect to eBike" within the App and select your eBike's serial number. The app will prompt you to review safe riding instructions. Review prior to riding.

The Flyer™ App allows you to change speed settings, turn the headlight on and off, lock the motor, access troubleshooting information, as well as update your firmware.

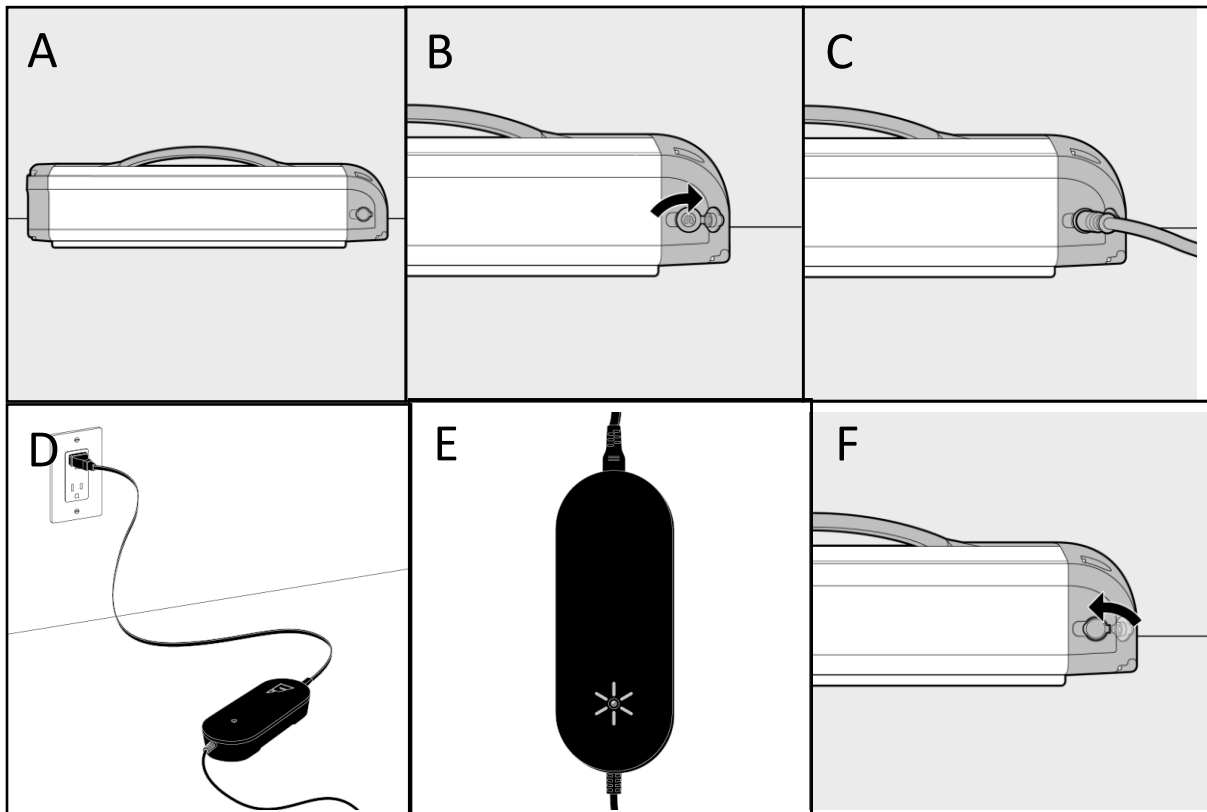




## Charging the Battery

The Flight Speed™ battery can be charged while installed in the bike or when removed from the bike frame. Before charging, ensure the battery is off by powering off the display as described in the “Handlebar Display” section above.

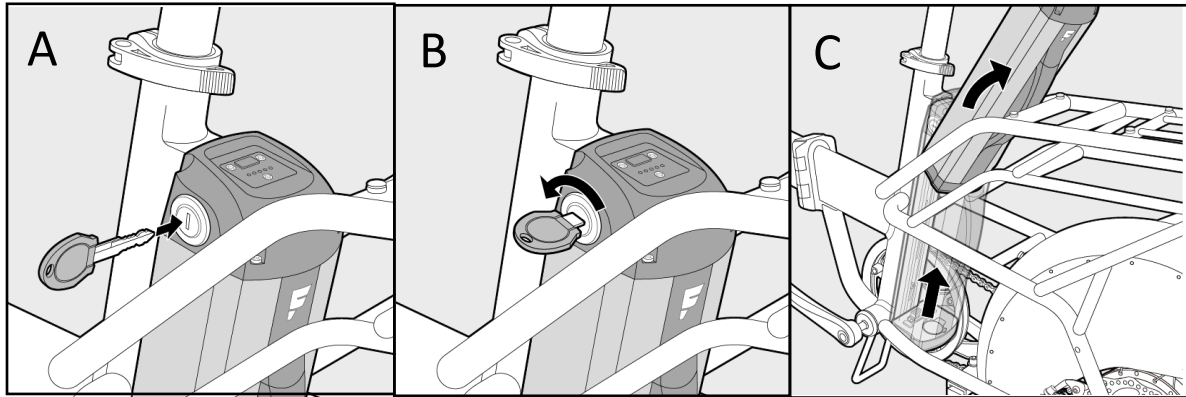
- A. If removing the battery to charge, lay it down on a stable flat surface.
- B. Remove the rubber cover to reveal the battery charging port
- C. Plug the charger into the battery charging port. Push the charger plug firmly into the charging port.
- D. Plug the charger into a power outlet. Only connect your charger to an outlet with a rated voltage of 110-220VAC. The LED in the charger housing will turn red to indicate the charger is connected properly.
- E. Once the charger LED turns green (indicating the battery is fully charged), unplug the charger from the power outlet.
- F. Unplug the charger plug from the charging port and replace the rubber cover



## Removing the Battery

*Note: The battery should only be removed when the bike is stationary and powered off. Failure to do so could result in damage to the battery or electrical system of the bike.*

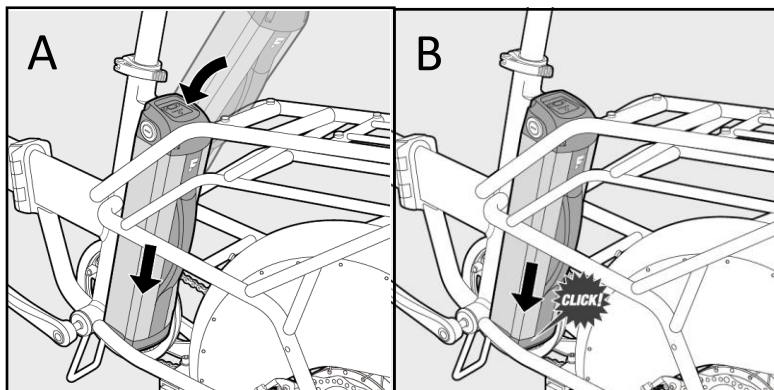
- A. Insert the provided key into the battery lock. If you own multiple Flyer™ bikes, please ensure the 3-digit codes on the key and lock are matching.
- B. Turn the key clockwise to release the battery latch.
- C. Remove the battery by sliding it vertically first, then diagonally towards the gap in front of the rear rack.



## Installing the Battery

- A. Slide the battery down through the gap in front of the rear rack. Ensure that the ledges on the back of the battery pack align with the hooks on the dock.
- B. Push the battery down until you hear a click. Check to make sure the bottom of the battery sits flush against the battery dock.

**⚠ WARNING:** Always lock the battery in place before riding. Failure to lock the battery could cause damage to the bike.

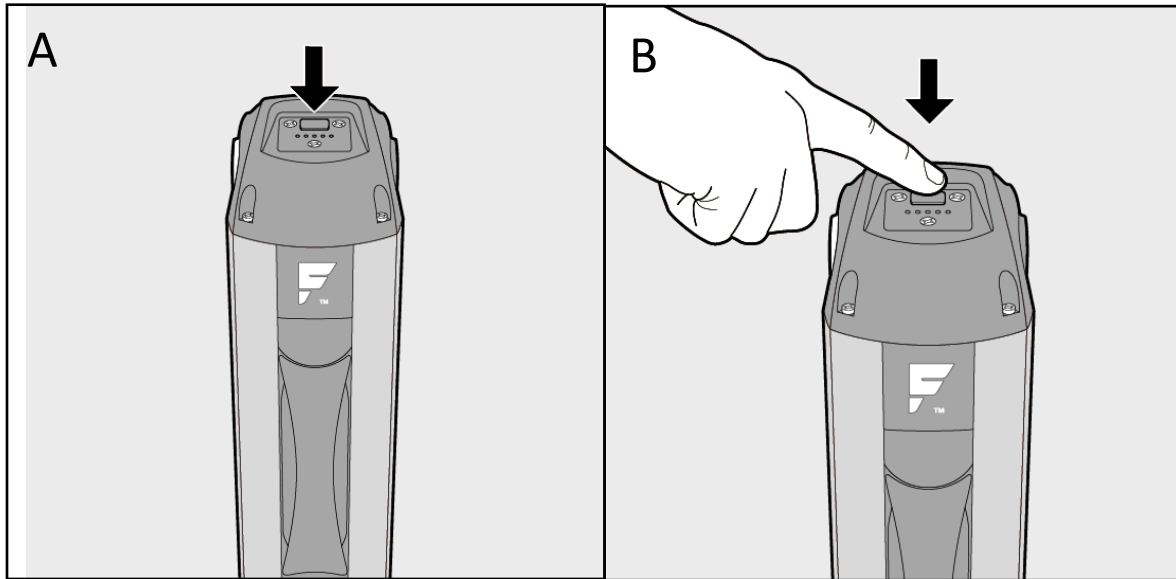


## Checking Battery Charge Level

In addition to the main display, the battery charge level can also be checked directly on the battery. Before checking the fuel gauge, remove the battery following the steps outlined in the “Removing the Battery” section.

A. Locate the battery fuel gauge at the top of the battery

B. Push the button on the battery fuel gauge. Fuel gauge LEDs will light up corresponding to the level of charge in the battery pack.



## MOTOR CONTROL

### Pedal Assist System (PAS)

The pedal assist system (PAS) augments your natural pedaling action by providing an additional boost from the motor. Using the "+" and "-" buttons on the display, you can control the level of assistance provided by the motor. As the PAS level is increased, the amount of assistance increases and the faster you will go. The PAS setting will depend on several factors including, but not limited to:


- Riding terrain (flat vs. incline)
- Total payload
- Desired range

The gear shifter will not affect the performance of the hub motor or pedal assist system, however it will affect the amount of resistance you feel. Lower gears provide less resistance with a higher pedaling cadence. Higher gears provide more resistance and a slower pedaling cadence. Some experimentation will be necessary to dial in the combination of PAS level and gear setting that offers a smooth ride based on your preference.

### Throttle

The throttle provides an alternate way to power the motor if you do not want to pedal. If the bike is powered on, the throttle can be activated by slowly twisting it towards you. The throttle can also be used in addition to the pedal assist system. When only using the throttle, the maximum speed of the bike will be capped at 20MPH.

*Notice: Using the bike in throttle-only mode will negatively impact the range of the battery vs. using pedal assist.*

 **WARNING!** Do not twist the throttle when dismounted to avoid accidental acceleration of the bike.

## Riding & Safe Operating Guidelines

**It is the owner's sole responsibility to ensure safe riding. Among other things:**

- Always obey road and traffic laws as applicable in your local area.
- Before riding in more dynamic conditions, practice and familiarize yourself with the operations of the eBike, including braking, pedal assist, and throttle.
- Always wear a helmet that meets the US CPSC standard. Wearing a helmet can prevent head injuries.
- After a crash or an incident, do not ride your eBike until you have a certified and reputable bike mechanic inspect the eBike to ensure proper function of the eBike and all its components.
- It is recommended not to ride at night or in wet weather. Ride at night and in wet weather only if necessary.
- If it is unavoidable to ride at night or in wet weather:
  - Wear reflective or light-colored clothing
  - Ride slowly with caution
  - Ensure the headlight and brake light are powered on and functioning properly



**WARNING!** The Flyer™ eBike is not meant for use in wet conditions. Water intrusion can damage the eBike's electrical system and cause battery failure, electrical system malfunction, or fire.

**Before each ride, complete the Ride Safety Checklist:**

Component	Steps
<b>Torque Values</b>	<ul style="list-style-type: none"><li>• Reference the torque chart in assembly step 10 to check the torque on all fasteners listed.</li></ul>
<b>Brakes</b>	<ul style="list-style-type: none"><li>• Verify the front and rear brakes function properly. Pads should fully cover the brake disc once lever is pulled. To confirm brake contact, verify that the brake disc moves slightly once the lever is pulled.</li><li>• Ensure the brake light illuminates once brake lever is pulled.</li><li>• Check brake cables to confirm there is no wear or deterioration and they are properly lubricated and tensioned.</li><li>• Check brake pads to ensure they are not over-worn.</li><li>• Ensure the lever system is secured to the handlebar (torque: 6Nm).</li></ul>
<b>Tires</b>	<ul style="list-style-type: none"><li>• Confirm the tires are inflated to 30 PSI.</li><li>• Check tires for leaks, signs of wear, tread degradation, or other compromising damage.</li></ul>
<b>Wheels</b>	<ul style="list-style-type: none"><li>• Verify wheel spokes are tight on both ends with no bending.</li><li>• Ensure tires and rims rotate straight without wobble.</li><li>• Confirm the rear wheel axle nuts are tight and the rear wheel is properly secured (torque: 50Nm)</li><li>• Confirm the front wheel is properly secured by checking that the axle lever is fully closed and tightened.</li></ul>

<b>Seat</b>	<ul style="list-style-type: none"> <li>• Ensure the seat is securely connected to the eBike and the seat cannot be moved.</li> <li>• Confirm the adjustment lever is fully tightened and locked.</li> <li>• Verify the seat is properly adjusted to fit your height.</li> <li>• Confirm that the seat is securely fastened to the post (torque: 10 Nm).</li> </ul>
<b>Handlebar</b>	<ul style="list-style-type: none"> <li>• Confirm the handlebar always aligns with fork when moving in desired direction and both parts turn in unison.</li> <li>• Ensure the steering spring is connected on both ends with no interference from cables.</li> <li>• Secure the front wheel or fork, preventing it from turning. Apply approximately 20 lbs of force to one of the handlebar grips. The handlebar should not rotate independently from the front wheel or fork.</li> <li>• Confirm the stem clamp bolts are tightened to 6 Nm and the stem faceplate bolts are tightened to 6 to 8 Nm.</li> </ul>
<b>Chain</b>	<ul style="list-style-type: none"> <li>• Ensure the chain is properly lubricated and runs smoothly.</li> <li>• After using in rough weather conditions such as rain, snow, or other severe weather, verify that chain and links are clean and undamaged.</li> <li>• Confirm the chain tension mechanism is in line with the pedal assembly and derailleur.</li> </ul>
<b>Bearings</b>	<ul style="list-style-type: none"> <li>• Verify all bearings are lubricated and run smoothly with no unnatural sounds such as grinding or rattling.</li> <li>• Check the bearings in the headset assembly, pedals and bottom bracket, and the rear wheel.</li> </ul>
<b>Cranks &amp; Pedals</b>	<ul style="list-style-type: none"> <li>• Confirm pedals are tightly secured to the cranks (torque: 35Nm) and the crank is tightly secured to the bottom bracket spindle (torque: 40Nm).</li> <li>• Verify cranks are parallel to the downtube and not bent.</li> </ul>
<b>Frame &amp; Fork</b>	<ul style="list-style-type: none"> <li>• Confirm there is no damage or bending to the front fork and frame and that fork is parallel with the front tire.</li> </ul>
<b>Motor Drive Assembly &amp; Throttle</b>	<ul style="list-style-type: none"> <li>• Confirm that none of the spokes securing the hub motor are broken or loose.</li> <li>• Verify that the brake disc is secured to the hub motor and all screws are tight.</li> <li>• Turn on display before ride to confirm all features are working correctly.</li> <li>• Ensure the throttle functions properly.</li> </ul>
<b>Battery</b>	<ul style="list-style-type: none"> <li>• Always charge the battery before each use.</li> <li>• Confirm there is no damage to the battery.</li> <li>• Ensure the battery is always securely locked to the frame with the keys removed.</li> </ul>
<b>Control Cables</b>	<ul style="list-style-type: none"> <li>• Confirm all cables are routed away from moving parts and allow the headset to rotate freely.</li> <li>• Confirm cables, housings, and electrical connectors are undamaged and free of debris and liquids.</li> <li>• Verify the headlight, taillight, and brake light are connected and functioning properly.</li> </ul>
<b>Accessories</b>	<ul style="list-style-type: none"> <li>• Ensure that any loads or accessories do not interfere with moving parts.</li> <li>• Tighten and secure all accessories and accessory components.</li> <li>• Ensure rider is wearing a helmet and the helmet is not damaged.</li> </ul>
<b>Reflectors</b>	<ul style="list-style-type: none"> <li>• Verify reflectors are adjusted and outward facing before all rides.</li> <li>• Ensure that loads or accessories do not interfere with reflectors.</li> </ul>

## Maintenance

Always have a certified and reputable bike mechanic complete a tune-up on your eBike after your first 50-100mi. Regular tune-ups and inspections are critical to ensuring your bike stays in safe condition.

For more information on recommended maintenance intervals please visit:



- After a crash or an incident, do not ride your eBike until you have a certified and reputable bike mechanic inspect the eBike to ensure proper function of the eBike and all its components.
- Any changes to the Flyer™ eBike that are not specifically approved by Radio Flyer Inc. could cause unsafe riding conditions and may void your warranty.

## CLEANING

- Do not spray with water or use a pressure washer to clean your bike. Do not immerse this product in water or liquid. Liquid or water can cause damage to the electrical system of the eBike.
- To clean, turn off your eBike and remove the battery.
- Wipe clean with a damp cloth. If needed, use a mild soap, like dish detergent.
- To prevent electric shock, do not immerse the charger or battery in water when cleaning. To clean, remove the charger/battery plug from the outlet and wipe with a dry cloth.

## Moving and Storing

- Always remove the battery from the eBike before transporting the bicycle on a vehicle bike rack.
- It is recommended to park the eBike indoors.
- Store the battery in a dry location.
- If the eBike will not be used for an extended period, do not store the battery installed in the eBike.
- To maintain battery life, you must charge every 6 months.
- When not using the battery for an extended period, charge the battery to at least 75%
- Do not store the battery in locations where the temperature is below 14°F (-10°C) or above 104°F (40°C)

## BATTERY RECYCLING

- Keep battery and charger in a dry place out of reach of children.
- Recycle battery and charger in an environmentally friendly manner.
- Do not dispose of your battery in a fire as the battery may catch fire or explode.
- Do not dispose of your battery in your regular household trash. The incineration, landfilling, or mixing of batteries with household trash is prohibited by law in most areas.
- Return an exhausted battery to a federal or state approved recycler. Contact your local waste management officials for other information regarding the environmentally sound collection, recycling, and disposal of batteries.



## Troubleshooting

Issue	Possible Reason	Corrective Action
<b>The eBike does not work or appear to turn on</b>	The battery has been fully drained	Recharge the battery using the manufacturer provided charger
	The battery is not fully seated or installed into its dock	Remove the battery from the eBike; reinsert the battery and fully seat it into the battery's dock to ensure a connection
	There is a connection issue	Check the connections and wires that are visible on the eBike, repair or clean and connections in a poor state
	The brakes are depressed, not allowing the motor to activate	The brake levers contain a small switch that automatically stops the motor if depressed; for the motor to engage, make sure that the brakes are in the fully open or released position
<b>The eBike feels slow to accelerate and will not reach top speed</b>	The battery is not fully charged and cannot provide full power	Recharge the battery; note that speed and acceleration will worsen when the battery is nearly depleted
	The brakes are applied and slowing down the eBike	Check to see if the brakes are rubbing when riding, adjust the brakes to allow for easier wheel movement
	The eBike is fully loaded or overloaded	Reduce the load to go faster; note that the weight loaded on the eBike will impact the acceleration and top speed of the eBike
<b>The eBike's range is reduced</b>	The battery is not fully charged and cannot provide full power	Recharge the battery between uses and ensure that the battery is fully charged before riding; note that range is directly related to the battery's charge level
	The brakes are applied and slowing down the eBike	Check to see if the brakes are rubbing when riding, adjust the brakes to allow for easier wheel movement
	The eBike is fully loaded or overloaded	Reduce the load to go further; note that the weight loaded on the eBike will impact the range
	The terrain is very rough or hilly	Rough surfaces and inclines make the eBike work harder, riding in these conditions will reduce the range
<b>The battery does not charge</b>	The battery is not fully seated or installed into its dock	Remove the battery from the eBike; reinsert the battery and fully seat it into the battery's dock to ensure a connection.
	The charger is not fully connected to the battery charge port well	Disconnect the charger from the charger port; reconnect and fully insert into the charger port
	The outlet used does not have power	Charge the battery at a different power socket
<b>The eBike is making an odd noise when moving</b>	The brakes are rubbing	Adjust the brakes to allow for easier wheel movement
	A cable is loose and hitting something	Look to see if any wires are rubbing against moving parts, move or restrain them with zip ties if needed
	The motor or wheel is damaged	Inspect the motor and wheel for damages, replace if needed

## ERROR CODE TROUBLESHOOTING

Your eBike can detect some functional errors and display a numerical code related to the issue. If your display shows any of the following error code numbers, please try the related corrective action. If the error code remains, please see the troubleshooting information at [flyer.radioflyer.com](http://flyer.radioflyer.com) or contact the Radio Flyer Customer Service Team.

Error Code	Possible Reason	Corrective Action
21	<b>Current Draw</b> - the battery is supplying a large amount of power to eBike.	Turn the eBike off, remove the battery from frame and wait 1 minute. Reinstall the battery and turn the eBike back on.
22	<b>Throttle Communication Error</b> - the eBike's throttle is not correctly communicating with the controller.	Unplug the throttle cable, inspect it for any debris, moisture, or damage. If it looks okay, plug the connection back in and restart the eBike.
23	<b>Motor Communication Error</b> - the motor in the rear wheel is not correctly communicating with the controller.	Find the wire that runs from the motor to the eBike frame, inspect it for any damages. Unplug the motor cable, inspect it for any debris, moisture, or damage. If it looks okay, plug the connection back in and restart the eBike.
24		
25	<b>Brake Communication Error</b> - the eBike's brake levers are not correctly communicating with the controller.	Unplug both brake connectors, inspect them for any debris, moisture, or damage. If the connectors look good, plug a single brake connection back in. Turn on the eBike and check if the error code appears. If the error code does not appear, plug in the second brake connection to check if it is causing the error.
26	<b>Low Battery Voltage</b> - the eBike's battery is undercharged and cannot power the motor.	Charge the battery using the manufacturer provided charger.
30	<b>Display Communication Error</b> - the eBike's display is not correctly communicating with the controller.	Unplug the display cable, inspect it for any debris, moisture, or damage. If it looks okay, plug the connection back in and restart the eBike.

# Warranty

## **LIMITED WARRANTY FOR E-BIKES: FLYER™ CRUISER, FLYER™ CRUISER STEP-THRU**

### **What is covered?**

Radio Flyer Inc. warrants that its Flyer™ e-Bike will be free from defects in material and workmanship occurring under normal use for a period limited to one (1) year from the date of the original purchase. The warranty is expressly limited to the replacement of a defective lithium ion battery (the "Battery"), frame, forks, stem, handlebar, headset, seat post, saddle, brakes, lights, bottom bracket, crank set, pedals, rims, wheel hub, freewheel, cassette, derailleur, shifter, motor, throttle, controller, wiring harness, LCD display, kickstand, reflectors and hardware (each a "Covered Component").

## **EXCLUSIONS**

### **Who is covered?**

This warranty only covers the original purchaser of the product, purchased exclusively on flyer.radioflyer.com. The warranty cannot be transferred to any other person. The product must have been assembled and maintained per the product instructions.

### **What is not covered?**

This warranty does not cover:

Non-Flyer™ products (including MP3 players); misuse, lack of care, mishandling, accident, abuse or other abnormal use; or use of the product other than for its intended purpose; damage caused by improper or unauthorized repair or maintenance; products that have been modified or altered; cosmetic issues such as fading or scratches from normal wear, or any other cause not arising from defects in material and workmanship, including normal wear and tear of any Covered Component Consumables or normal wear and tear parts (including without limitation tires, tubes, brake pads, cables and housing, grips, chain and spokes).

Any damage or defects to Covered Components resulting from failure to follow instructions in the e-Bike owner's manual, acts of God, accident, misuse, neglect, abuse, commercial use, alterations, modification, improper assembly, installation of parts or accessories not originally intended or compatible with the e-Bike as sold, operator error, water damage, extreme riding, stunt riding, or improper follow-up maintenance.

For the avoidance of doubt, Radio Flyer Inc. will not be liable and/or responsible for any damage, failure or loss caused by any unauthorized service or use of unauthorized parts.

The Battery is not warranted from damage resulting from power surges, use of an improper charger, improper maintenance or other such misuse, normal wear or water damage.

### **How do I make a warranty claim?**

RADIO FLYER INC. WILL NOT REPLACE ANY COVERED COMPONENT UNDER THIS LIMITED WARRANTY WITHOUT FIRST SEEING PHOTOS OR VIDEO OF THE DAMAGED COVERED COMPONENT.

To exercise your right to receive a replacement for a Covered Component under this Limited Warranty, you must:

Contact the Customer Service team by email at [customerservice@radioflyer.com](mailto:customerservice@radioflyer.com) or by phone at 1-800-621-7613. Customer Service will work with you to diagnose the issue and identify solutions.

If the Customer Service team determines that a Covered Component must be replaced, they will provide you with a set of instructions for returning the defective Covered Component and receiving the replacement.

After you receive the replacement Covered Component, the Customer Service team will also assist in determining how to replace or install the new Covered Component into your e-Bike.

Replacement Covered Components under this Limited Warranty shall only be shipped to the address of the original purchaser.

### **SHIPPING DAMAGE**

Shipping damage claims are very time sensitive and it is the purchaser's responsibility to immediately inspect the e-Bike for damage upon receipt. Radio Flyer Inc. will replace a Covered Component that is damaged during shipment if you:

Notify Radio Flyer Inc. of a Covered Component damaged in the shipping process within thirty (30) days of your receipt of the e-Bike; Provide Radio Flyer Inc. with a dated picture of the damaged Covered Component; and Return all original packaging and paperwork included with the e-Bike

Radio Flyer Inc. will not be held responsible for stolen packages and the purchaser is solely responsible for ensuring the package is safely collected at delivery. To more closely control, manage and monitor your delivery, we encourage you to sign up for a free UPS My Choice account. You can learn more about this UPS service and sign up [here](#).

### **SOLE AND EXCLUSIVE REMEDY**

Your sole and exclusive remedy for breach of this limited warranty, and Radio Flyer Inc.'s sole and exclusive liability, is to either repair or replace the defective product. Repaired or replaced products will be warranted to the end of the warranty period of the original product. They do not extend the original warranty period.

### **DISCLAIMERS**

This Limited Warranty is the only express warranty made to you and is provided in lieu of any other express warranties or similar obligations (if any) created by any advertising, documentation, packaging, or other communications. EXCEPT FOR THE LIMITED WARRANTY AND TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, RADIO FLYER INC. HEREBY DISCLAIMS ALL OTHER WARRANTIES AND CONDITIONS, WHETHER EXPRESS, IMPLIED OR STATUTORY,

INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE.

IN NO EVENT SHALL RADIO FLYER INC. OR ITS SUPPLIERS BE LIABLE TO YOU OR ANY THIRD PARTY FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL, SPECIAL OR EXEMPLARY DAMAGES ARISING OUT OF THE USE OF THE PRODUCT, INCLUDING, WITHOUT LIMITATION, PROPERTY DAMAGE, LOSS OF VALUE OF THE PRODUCT OR LOSS OF USE OF THE PRODUCT, EVEN IF RADIO FLYER INC. HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow the limitation of implied warranties or the exclusion of consequential or incidental damages, therefore the above limitation of implied warranties or the exclusion of consequential or incidental damages may not apply to you. This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.

## **Federal Communications Commission (FCC) Compliance Statement for USA**

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; if not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. 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 powering the equipment off and on, the user is encouraged to try to correct the interference by using any of the following measures:

- Reorienting or relocating the receiving antenna.
- Increasing the separation between the equipment and receiver.
- Connecting 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## **FLIGHT SPEED™ BATTERY**

### **Battery and Charger Safety Warnings**

 **WARNING! TO PREVENT FIRE, EXPLOSIONS, OR ELECTRIC SHOCK:**

- Before using the battery read all instructions and cautionary markings on the charger and battery pack.
- Only use the specified Flyer™ charger (Model SPBC4802A, made by MDA Power Technology Co limited) to charge this battery. Do not attempt to charge with any other chargers. Replacement chargers are available to purchase exclusively at [flyer.radioflyer.com](http://flyer.radioflyer.com) or by calling Radio Flyer Customer Service at 1-800-621-7613.
- Do not store the battery in locations where the temperature is below 14°F (-10°C) or above 104°F (40°C)
- Do not charge the battery in temperatures below 32°F (0°C) or above 104°F (40°C). The battery will not charge outside of these temperate limits.
- Do not operate the charger or battery if it has been impacted, dropped, or damaged in any way.
- Do not use if the power cord is frayed, has broken insulation, or any other signs of damage.
- If the plastic on the battery breaks or cracks, stop use and call Radio Flyer Customer Service.
- Examine the charger and battery before each use and replace if wear or damage is found.
- Do not incinerate the battery pack. The battery can explode in a fire.
- Never attempt to open or disassemble the battery pack or charger for any reason. Do not puncture the battery.
- To prevent electric shock, do not immerse the charger or battery in water. Do not attempt to charge if the cord or power adapter is wet.
- To clean, remove the charger/battery plug from the outlet and wipe with a dry cloth.
- During charging, the battery must be placed on a flat surface in a dry ventilated area.
- Do not place any object on top of the charger or place the charger on a soft surface that may result in excessive heat. Place the charger away from any heat sources.
- The charger is designed to operate on a standard household electrical power (110/120 VDC). Do not attempt to use the charger on any other voltage level.

- To reduce the risk of fire, connect only to a circuit provided with 15 amperes maximum branch circuit overcurrent protection in accordance with the National Electrical Code, ANSI/NFPA 70.
- When charging is complete, disconnect the charger from the wall outlet and the battery.
- Place the battery and charger in a place out of reach from children.
- To increase battery life, recharge after every use.
- To maintain battery life, you must charge every 6 months.