FLYER™

BY RADIO FLYER

FLYER™ 16” KIDS’ BIKE
OWNER’S MANUAL

MODELS 835BL, 835R, 835W, 835T, 835P

Welcome to the Flyer™ Fleet

Congratulations on your new Flyer™ bike!

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 bike 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™ kids' bike 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™ kids' bike before use.

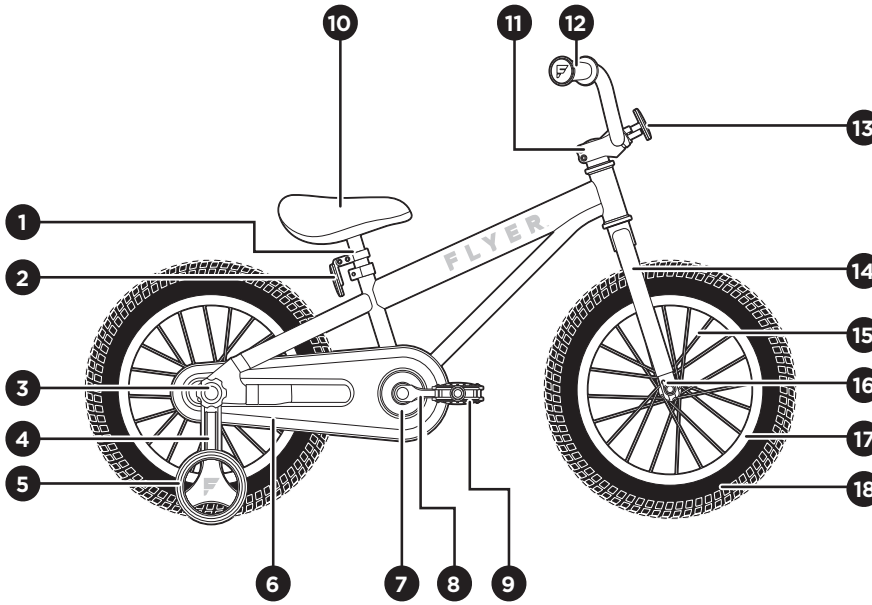
While this owner's manual is meant to introduce you to your Flyer™ kids' bike, it is impossible to guide owners on every possible scenario when using a bicycle. There are inherent risks using any bicycle and it is the owner's sole responsibility to ensure safe riding. Always take responsibility for you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

Please keep this manual for future reference. If you have any questions about your bike, 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
Customer Service Hours: 8am – 5pm CST, Monday through Friday
Flyer™ Service Website: **flyer.radioflyer.com/customer-service**

TABLE OF CONTENTS

Component Guide



1. Seat Post
2. Rear Reflector
3. Training Wheel Knob
4. Training Wheel Arm
5. Training Wheel
6. Chain Guard
7. Chain Wheel
8. Crank
9. Pedals
10. Saddle
11. Stem
12. Grips
13. Front Reflector
14. Fork
15. Spokes
16. Front Fork Dropouts
17. Rims
18. Tires

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.
- A helmet should be worn at all times when riding the bike. Ensure that the rider of the bike has a helmet that has been fit properly.
- Do not put fingers or hands near spokes or moving parts.
- 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.
- Regularly check coaster brake performance, tire pressure, and steering performance.
- Avoid riding the bike in wet or icy conditions. If riding in wet or icy conditions, the braking distance of the bike will be increased. Ride more slowly and cautiously in these conditions.
- Avoid riding the bike at night and in the dark. If riding in the dark, use a bike headlight (not included).
- This bike is not suitable for the fitting of a luggage carrier, child seat, and/or bicycle trailer.
- Please check local laws to confirm legal requirements for using your bike. This Flyer™ bike is meant for paved roads and sidewalks, not off-road conditions.
- This Flyer™ 16” Kids’ Bike is intended for riders from 40”-46” tall.

SAVE THESE INSTRUCTIONS

Getting Started

ASSEMBLY INSTRUCTIONS

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

Visit **flyer.radioflyer.com** or contact **customerservice@radioflyer.com** for additional assistance assembling, using, repairing or maintaining your bike.

⚠ WARNING! Incorrect assembly, maintenance, or use of your Flyer™ kids' bike can cause component failure, loss of control, serious injury, or death. Please note, the assembly and first fit of your Flyer™ kids' bike 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)
- 6mm allen wrench (included)
- 15mm open-ended wrench (included)
- Scissors or flat-sided cutters
- Philips screwdriver
- Tire pump
- Pedal grease (recommended)
- Torque wrench (recommended)

Step 1: Unpack your bike

Remove the bike from the outer carton and set it on a flat, clean surface. Place the bike upright, resting on the front fork dropouts and rear wheel. 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.

- Frame, Fork, and Rear Wheel
- Handlebars
- Front Wheel
- Saddle and Seat Post
- Training Wheel Kit
- Pedals
- Reflectors
- Tool Kit

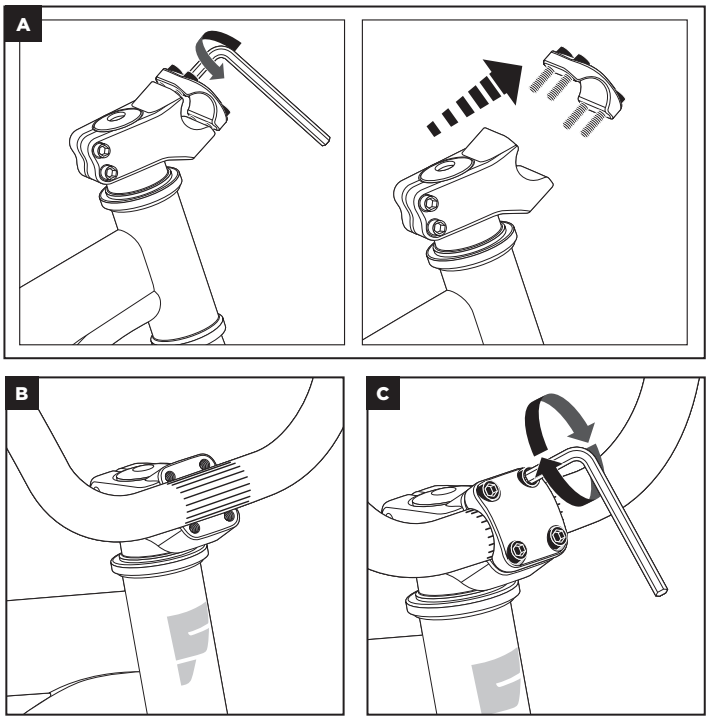
Step 2: Install the handlebar

A. Using the provided 6mm allen wrench, loosen the four bolts and remove the stem faceplate.

B. Align and center the handlebar in the stem. Check that the handlebar orientation matches the image below and that the cables are not twisted.

C. Reinstall the stem faceplate and four bolts using the 6mm allen wrench. Evenly tighten the bolts to 10 to 12 Nm using a torque wrench.

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



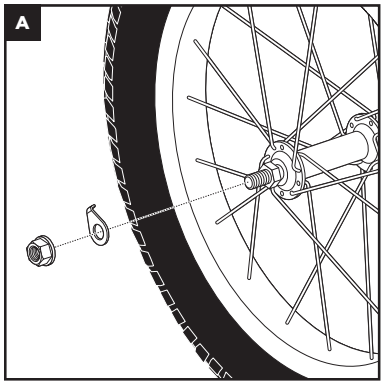
Step 3: Install the front wheel

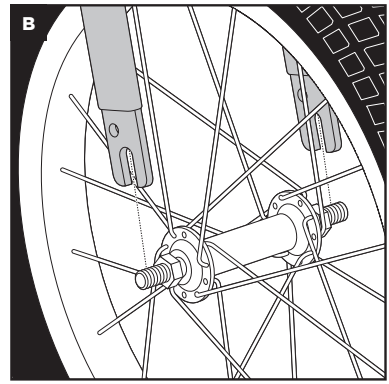
The bike is shipped with a spacer installed in the fork dropouts to prevent damage during shipment. Prior to installing the front wheel, this spacer must be removed. Once removed, the spacer may be discarded.

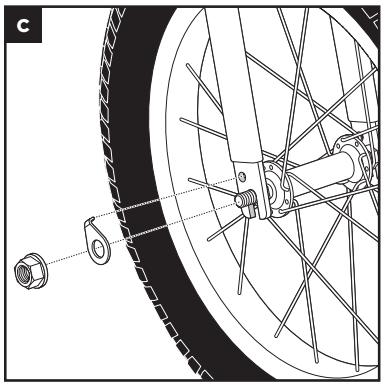
A. Remove the nuts and washers from both sides of the front wheel.

B. Align the wheel to the fork so that the fork dropouts rest on the axle. Ensure the fork is fully seated on the axle and the wheel is centered on the fork.

C. Place the washers over the threaded ends of the front wheel hub, inserting the bent tab into the hole on the fork dropouts. Tighten the nuts on each side of the front hub to 28 to 32 Nm.







Step 4: Install the Training Wheels

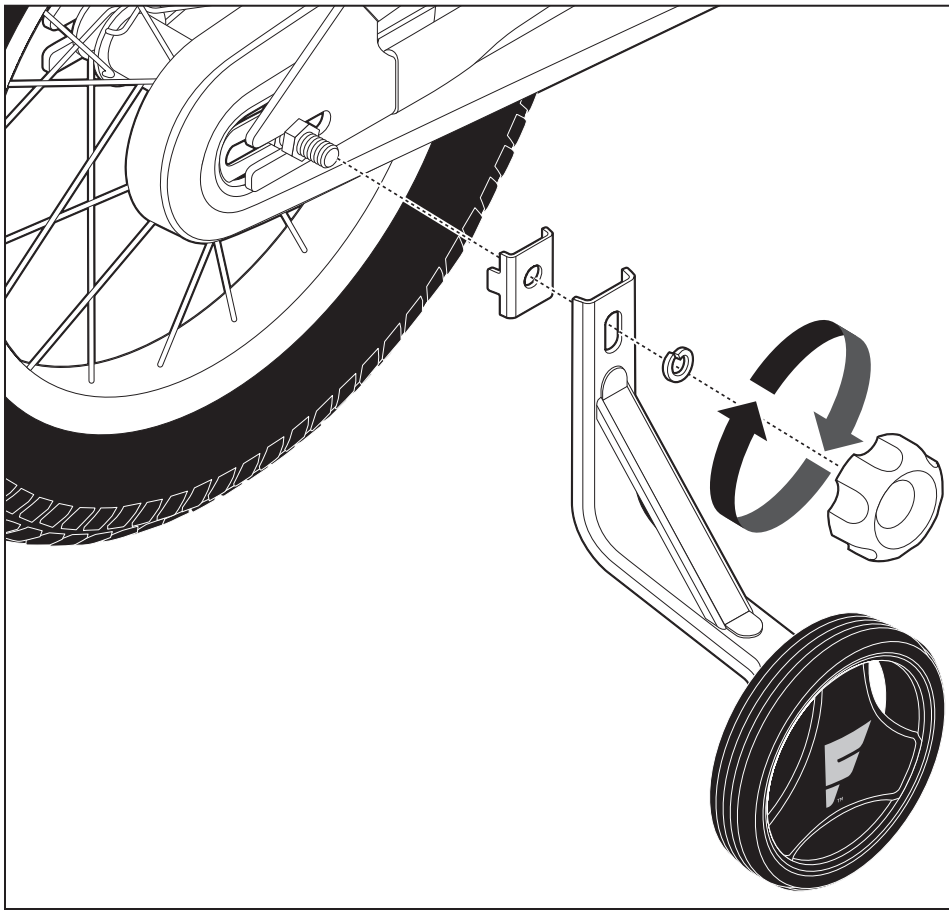
A. Remove the outermost nut on each side of the rear axle.

B. Place the alignment piece over the rear axle, ensuring that the tab is inserted into the slot on the rear dropout.

C. Place the training wheel arm over the alignment piece.

D. Fully tighten the quick release knob to secure the training wheel arm, making sure that the wheel is approximately 0.25” off the ground.

⚠ WARNING! The quick release knob must be fully tightened. Failure to fully tighten the adjustment knob or failure to follow the above instructions may result in a loss of control of the bike, which can result in serious injury or death. Ensure the assembly is correct, the wheels are adjusted correctly, and the knob is fully tightened before each ride.



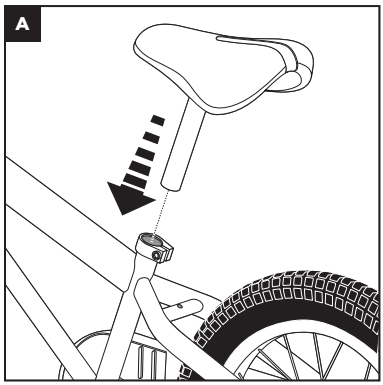
Step 5: Install the saddle

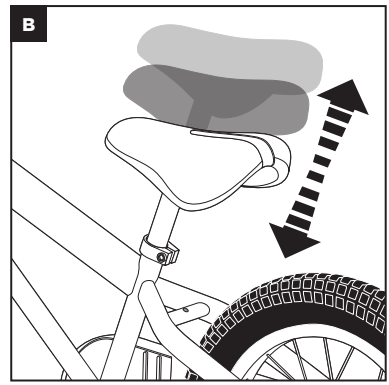
A. Using the provided 5mm allen wrench, loosen the seat clamp bolt and insert the seat post into the seat tube.

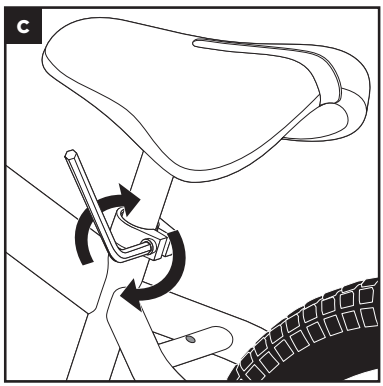
B. Position the seat post at an appropriate height for the rider. See page 17.

C. Tighten the seat clamp bolt to 8 to 12Nm to secure the seat.

⚠ 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. After assembly, reflectors should be visible and not obscured by the rear wheel.







Step 6: Install pedals

A. Identify the right and left pedals before assembling. The different pedals are specified with stickers on their surface. The right pedal corresponds to where the rider's right foot is during use.

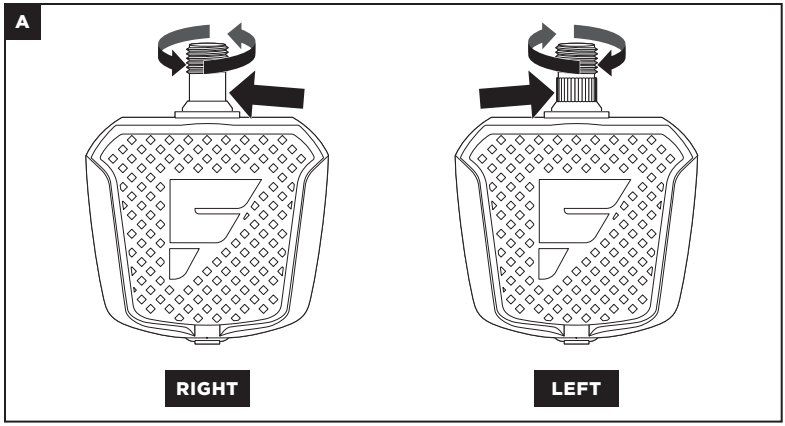
B. Install the right pedal to the right side crank arm by turning the axle clockwise by hand.

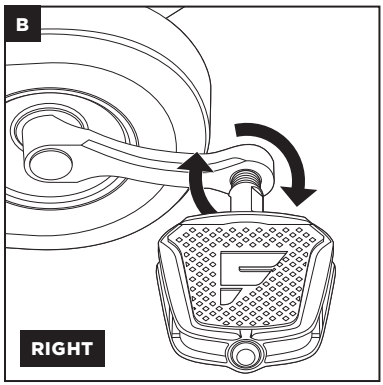
C. Install the left pedal to the left side crank arm by turning the axle counter-clockwise by hand.

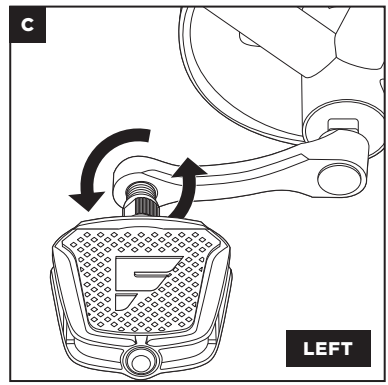
D. Use the provided 15mm wrench to tighten the right pedal onto the crank arm. Torque the right pedal to 35 to 40 Nm using a torque wrench.

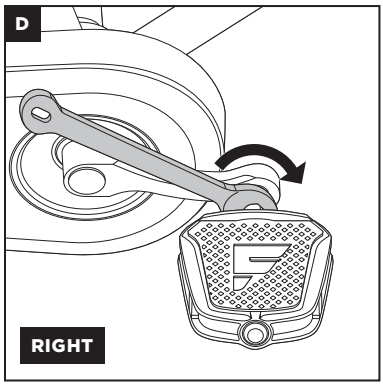
E. Use the provided 15mm wrench to tighten the left pedal onto the crank arm. Torque the left pedal to 35 to 40 Nm using a torque wrench.

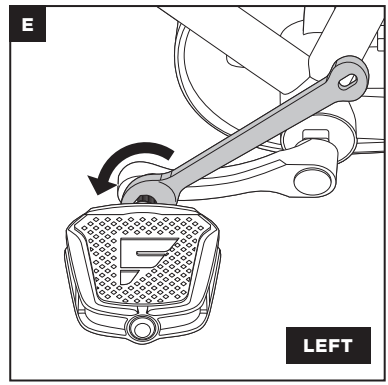
Note: We recommend applying pedal grease to the threads prior to installation


A
RIGHT
LEFT


B
RIGHT


C
LEFT


D
RIGHT

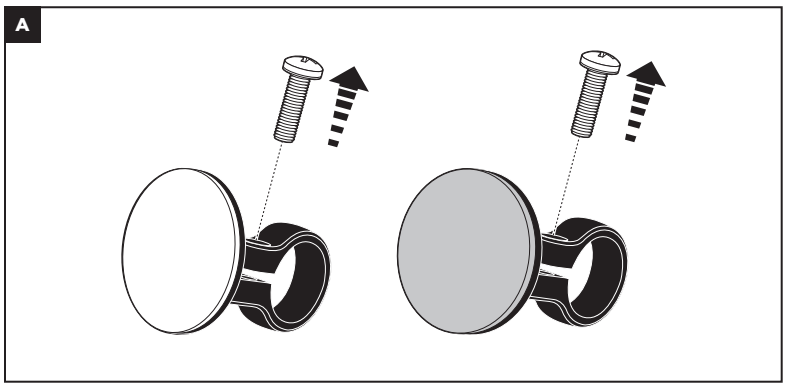

E
LEFT

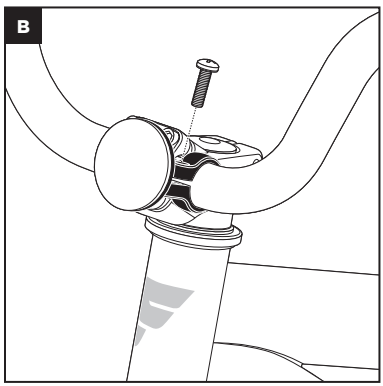
Step 7: Install the reflectors

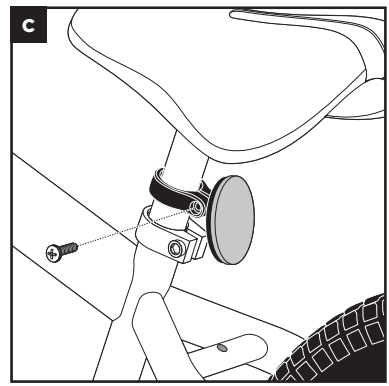
A. Use a Phillips head screwdriver to remove the screw from the mounting portion of each reflector.

B. Mount the white reflector to the front of the handlebar. Tighten down the mounting screw to secure the reflector.

C. Mount the red reflector to the back of the seat post. Tighten down the mounting screw to secure the reflector. The face of the rear reflector is positioned at an angle to the mounting bracket. When installing, ensure the face of the reflector is installed so as to be facing directly backwards, not tilted downwards.







Step 8: Check fastener torque values

Area of Bike	Hardware	Torque (Nm)
Handlebar	Stem Clamp Bolts	18 to 20
	Stem Faceplate Bolts	10 to 12
Seat Post	Seat Clamp Bolt	8 to 12
Front/Rear Dropout	Rear Axle Nuts	28 to 32
	Front Axle Nuts	28 to 32
Bottom Bracket	Crank Arm Bolt	38 to 42
	Pedal into Crank Arm	35 to 40

Step 9: Inflate tires to 35 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 the tires using an air source with a pressure gauge to avoid overinflation. Underinflated tires may impair the control of the bike and cause a safety hazard.

ACCESSORIES

Radio Flyer carries a full line of accessories to enhance the usability of your Flyer™ kids' bike. Please refer to the instruction sheets provided with each accessory to ensure proper assembly. Visit **flyer.radioflyer.com** or contact 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

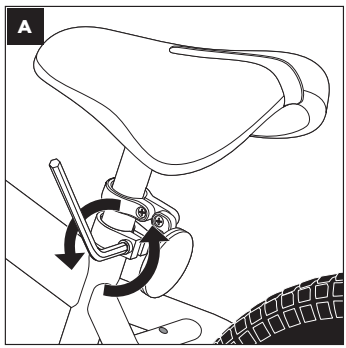
The seat height should be set based on the rider's personal preference. The initial seat position can be set by first placing the ball of the rider's foot on the pedal with the crank arm in its lowest position. In this position, the rider's leg should be almost fully extended with a slight bend in your 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 the bike.

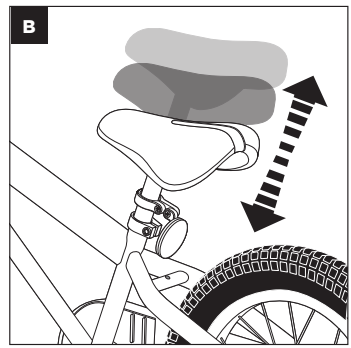
⚠ WARNING! The seat post must be inserted to the minimum insertion mark. Do not raise the seat post beyond the minimum insertion marking on the seat post tube. If the seat post is not inserted properly, the seat may be loose which can lead to serious injury or death. After assembly, reflectors should be visible and not obscured by the rear wheel.

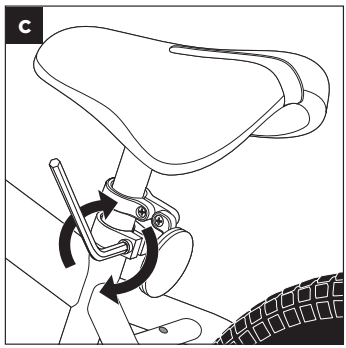
A. Using the provided 5mm allen wrench, loosen the seat clamp bolt to allow the seat tube to move freely.

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. Tighten the seat clamp bolt to 8 to 12 Nm to secure the seat.







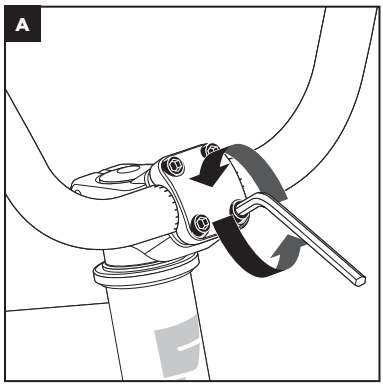
ADJUSTING HANDLEBAR ROTATIONAL POSITION

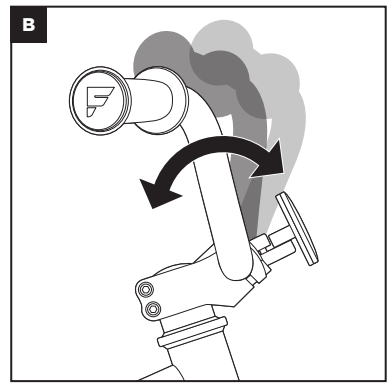
Following the initial assembly of the handlebar, the handlebar rotational position should be adjusted for the rider. Ensuring that the handgrips and brake levers are in the correct position will avoid any strain or discomfort while riding.

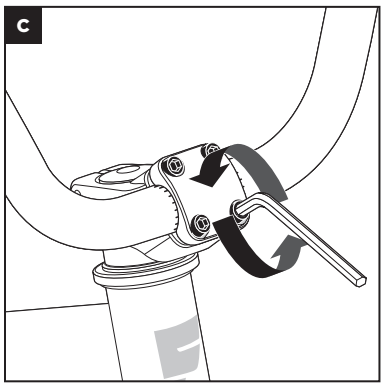
A. Using the provided 6mm allen wrench, loosen the four stem faceplate bolts.

B. Rotate the handlebar until the preferred position is achieved checking to ensure the handlebar is centered left-to-right within the stem faceplate.

C. Retighten the four stem faceplatee bolts using the 6mm allen wrench. Evenly tighten the bolts to 10 to 12 Nm using a torque wrench.







⚠ WARNING! The stem on your Flyer™ kids' bike comes factory assembled to the front fork, and does not need to be removed to adjust the handlebars. If the stem is loosened or removed from the fork, care must be taken during re-assembly to avoid damaging the stem-to-fork connection. Overtightening the stem clamp bolts can damage the stem-to-fork assembly, which can lead to risk of injury. To avoid overtightening, use a torque wrench to tighten the stem clamp bolts to 18 to 20 Nm.

Riding & Safe Operating Guidelines

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

- Always have the rider obey road and traffic laws as applicable in your local area.
- Always have the rider 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 the bike until you have a certified and reputable bike mechanic inspect the bike to ensure proper function of the bike 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
  - Use a bike headlight (not included)

Before each ride, complete the Ride Safety Checklist:

Component	Steps
Torque Values	• Reference the torque chart in assembly step 10 to check the torque on all fasteners listed.
Brakes	• Verify the rear coaster brake functions properly.
Tires	• Confirm the tires are inflated to 35 PSI. • Check tires for leaks, signs of wear, tread degradation, or other compromising damage.
Wheels	• Verify wheel spokes are tight on both ends with no bending. • Ensure tires and rims rotate straight without wobble. • Confirm the rear wheel axle nuts are tight and the rear wheel is properly secured (torque: 28 to 32 Nm) • Confirm the front wheel is properly secured.
Rims	• Check that engraved channel in rim is visible. Over time, this channel will become shallower, and eventually will disappear. • If the channel has disappeared, replace rims immediately. Excessive wear can reduce braking performance, and result in full wheel failure in extreme cases.

Seat	• Ensure the seat is securely connected to the bike and the seat cannot be moved. • Confirm the clamp is fully tightened to 8 to 12 Nm. • Verify the seat is properly adjusted to fit the rider's height.
Handlebar	• Confirm the handlebar always aligns with fork when moving in desired direction and both parts turn in unison. • Secure the front wheel or fork, preventing it from turning. Apply approximately 30 lbs of force to one of the handlebar grips. The handlebar should not rotate independently from the front wheel or fork. • Confirm the stem clamp bolts are tightened to 18 to 20 Nm and the stem faceplate bolts are tightened to 10 to 12 Nm.
Chain	• Ensure the chain is properly lubricated and runs smoothly. • After using in rough weather conditions such as rain, snow, or other severe weather, verify that chain and links are clean and undamaged.
Bearings	• Verify all bearings are lubricated and run smoothly with no unnatural sounds such as grinding or rattling. • Check the bearings in the headset assembly, pedals and bottom bracket, and the rear wheel.
Cranks & Pedals	• Confirm pedals are tightly secured to the cranks (torque: 35 to 40Nm) and the crank is tightly secured to the bottom bracket spindle (torque: 38 to 42 Nm). • Verify cranks are parallel to the downtube and not bent.
Frame & Fork	• Confirm there is no damage or bending to the front fork and frame and that fork is parallel with the front tire.
Control Cables	• Confirm all cables are routed away from moving parts and allow the headset to rotate freely. • Confirm cables are undamaged and free of debris and liquids.
Accessories	• Ensure that any loads or accessories do not interfere with moving parts. • Tighten and secure all accessories and accessory components. • Ensure rider is wearing a helmet and the helmet is not damaged.
Reflectors	• Verify reflectors are adjusted and outward facing before all rides. • Ensure that loads or accessories do not interfere with reflectors.

CARRYING LOADS

The total maximum payload capacity of this Flyer™ bike is 130lbs (59kg). This includes the weight of the rider, as well as any, cargo, accessories etc.

Maximum payload capacity: 130lbs (59kg)

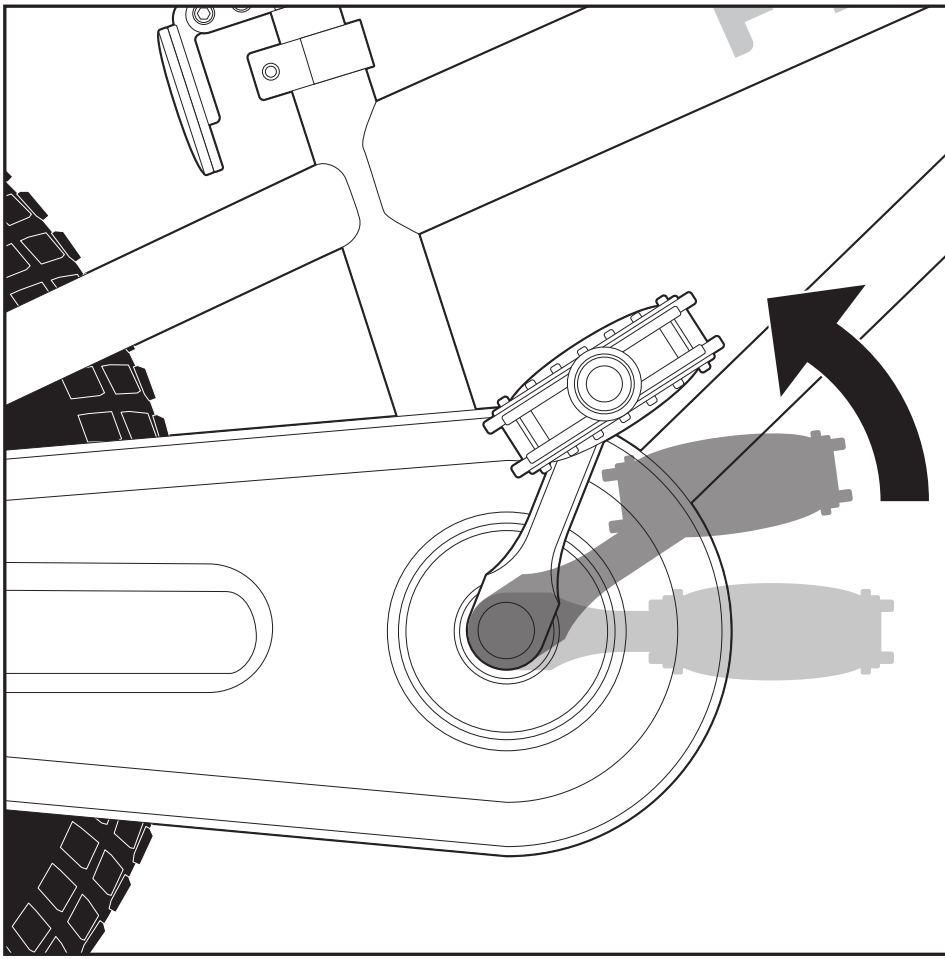
Maximum total weight (bike and payload): 153lbs (69kg)

Always reference the maximum weight capacity of any accessories used as well.

⚠ WARNING! Adding loads to the product may impact stability. Always follow the weight limit guidelines. It is the rider's responsibility to ensure any cargo or passenger weight will not impact the rider's ability to safety use the product.

USING COASTER BRAKE

The Flyer™ 16" Kids' Bike is fitted with a rear coaster brake. To activate the rear brake, pedal backwards.



Maintenance

Always have a certified and reputable bike mechanic complete a tune-up on your bike 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 the bike until you have a certified and reputable bike mechanic inspect the bike to ensure proper function bike and all its components.
- Any changes to the Flyer™ kids' bike 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.
- Do not clean the bike with acids or solvents.
- Wipe clean with a damp cloth. If needed, use a mild soap, like dish detergent.

Warranty

For information on your Flyer™ 16” Kids’ Bike’s warranty please visit: