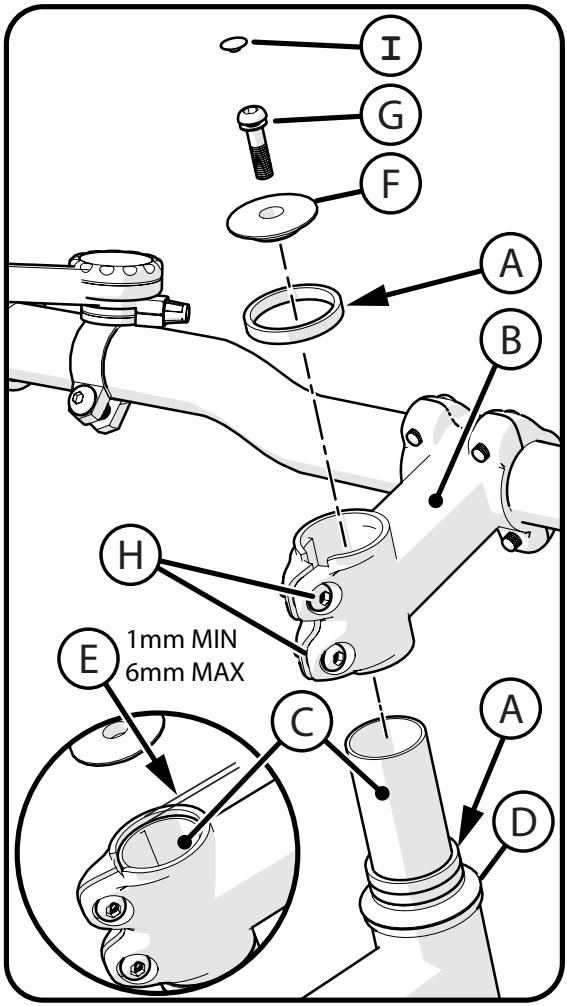
Handlebar and Stem Installation - Threadless Stem:

CAUTION:

- Threadless Stem (B) should be installed with bike sitting on the ground and both wheels installed.
- Make sure Fork is fully inserted from the bottom and Front Brake is pointing FORWARDS.
  - Disc Brake models: Disc Brake will generally be on the LEFT side of the Fork.



STEP 1:

1. Add Spacers (A) as needed for proper Gap (E).
2. Insert the Stem (B) fully onto the Fork Tube (C).
3. Point the Stem towards the front of the bike and in line with the fork and wheel.
4. With downward pressure on Stem, move bicycle fork/wheel back and forth so there is no looseness in Headset Bearings (D).

NOTE: Ensure there is BETWEEN **1mm** and **6mm** gap between Fork Tube and top of Stem (E).

5. Place Cap (F) into stem and tighten screw securely (G). Try to move Fork back and forth. There should be no movement in Headset Bearings (D). If needed, redo above steps.
6. If supplied, insert Rubber Cap (I) securely.

STEP 2:

7. Tighten the stem bolts (H) securely. **See Torque Table for recommended torque - Do not over-tighten.**

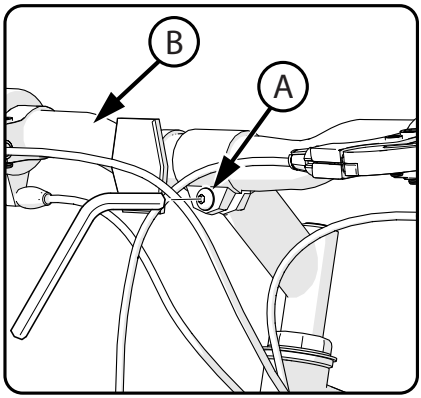
WARNING: Ensure handlebar and fork turn left to right smoothly and without friction.

Handlebar Installation - various Stem Clamps

ONE BOLT STEM:

1. If necessary, loosen the Handlebar Clamp Bolt(s) Ⓐ and rotate Handlebar Ⓑ into a comfortable riding position.
2. Tighten Handlebar Clamp Bolts(s) Ⓐ securely.

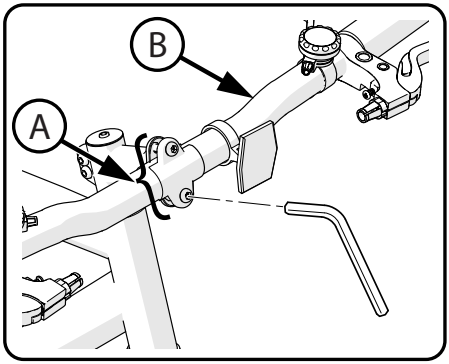
See Torque Table for recommended torque.



TWO BOLT STEM:

1. If necessary, loosen the Handlebar Clamp Bolt(s) Ⓐ and rotate Handlebar Ⓑ into a comfortable riding position.
2. Tighten Handlebar Clamp Bolts(s) Ⓐ securely.

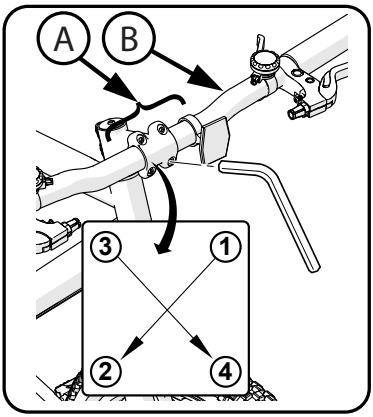
See Torque Table for recommended torque.



FOUR BOLT STEM:

1. If necessary, loosen the Handlebar Clamp Bolt(s) Ⓐ and rotate Handlebar Ⓑ into a comfortable riding position.
2. Tighten Handlebar Clamp Bolts(s) Ⓐ securely.

NOTE: On four bolt stems, tighten Bolts Ⓐ evenly in a cross-pattern as shown. Do not over tighten. **See Torque Table for recommended torque.**



WARNING: If the handlebar clamp in not tight enough, the handlebar can slip in the stem. This can cause damage to the handlebar or stem, and can cause loss of control.

Installing the Front Wheel

Loosen the Front Brakes:

1. Squeeze the two Brake arms together Ⓐ.
2. Lift out the Brake Cable Guide Ⓑ from the Guide Bracket Ⓒ.

Install the Front Wheel:

3. Set the Front Wheel into the front fork with Brakes pointing forward.
4. Install wheel retainers Ⓓ making sure the tabs are in the Fork Retainer Holes Ⓔ.
5. Attach the front wheel with the Axle Nuts Ⓕ. - **See Torque Table for recommended torque.**

NOTE: For Quick Release Axle, see next section.

WARNING: Do not use Nuts Ⓕ without serrations to attach the front wheel.

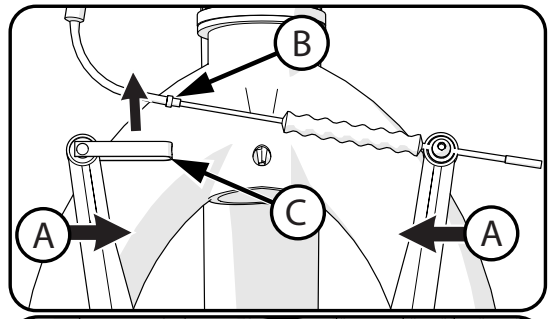
NOTE: Ensure wheel spins freely without contacting fork or fender.

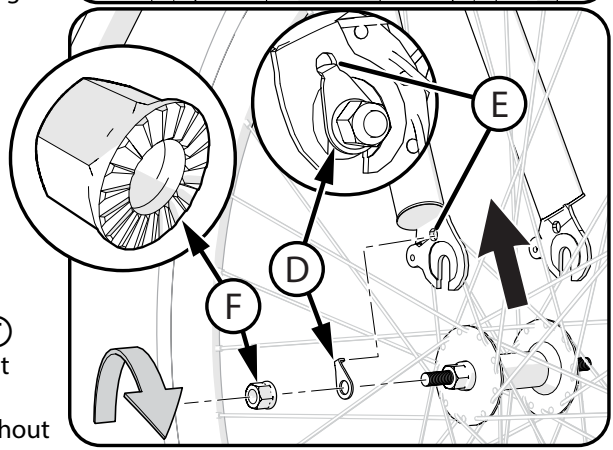
WARNING: Failure to obey these steps can allow the front wheel to loosen while riding. This can cause injury to the rider or to others.

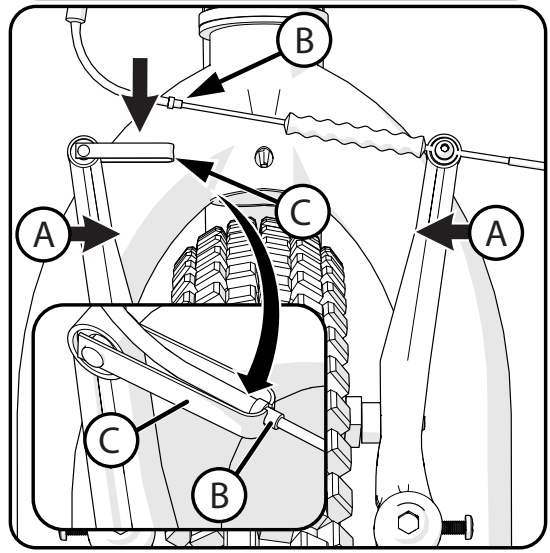
RE-ATTACH FRONT BRAKE CABLE:

1. Squeeze the two Brake arms together Ⓐ.
2. Insert the Brake Cable Guide Ⓑ into the cutout in the Guide Bracket Ⓒ.
3. Make sure the Brake Cable Guide Ⓑ is seated securely in the Guide Bracket Ⓒ cutout.

WARNING:
Check Front Brake Adjustment Before Riding! See Brakes Section







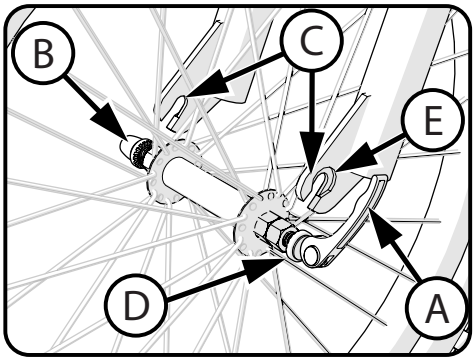
Quick Release Axle Guide (various models)

WARNING:

- Check QR axle and secure before every ride.
- If you hear any unusual noise from the wheels when riding - check the QR axle system.
- Do not ride with improperly adjusted or worn QR axle, this can result in serious injury.
- If you have any problems with the QR axle system, contact the bicycle manufacturer or a local bicycle shop.
- This product is not intended for use in stunt riding, ramp jumping, acrobatics, or similar activities.
- Understand all operating procedures before riding.
- Replace worn or broken parts immediately.

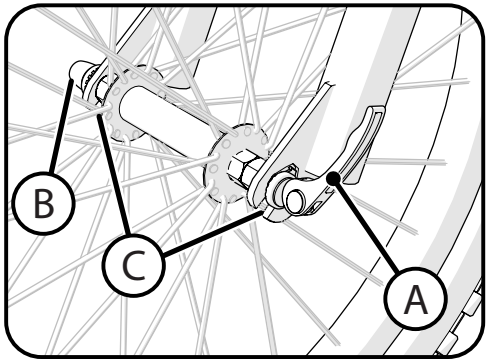
If you have any difficulties adjusting or maintaining the QR Axle system, refer to a local bicycle repair shop. The bicycle technicians are trained to work on QR Axle systems and components.

STEP 1:

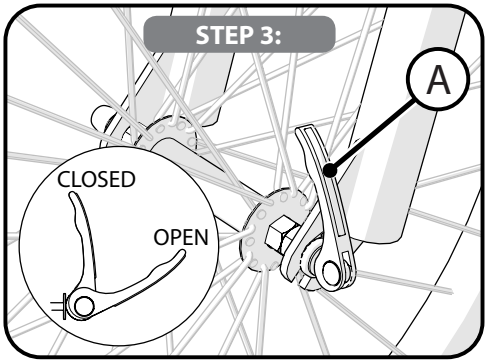


- Move the QR Lever Ⓐ to the OPEN position and loosen QR Nut Ⓑ (turn counter-clock-wise) enough so the wheel axle fits into the Fork Dropouts Ⓒ.
- Ensure the serrated Washers Ⓓ sit inside Fork Recess Ⓔ on both sides.

STEP 2:

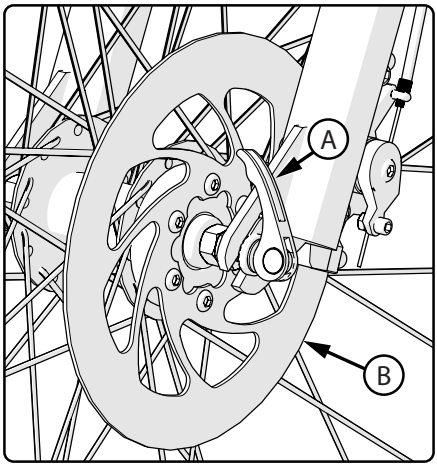


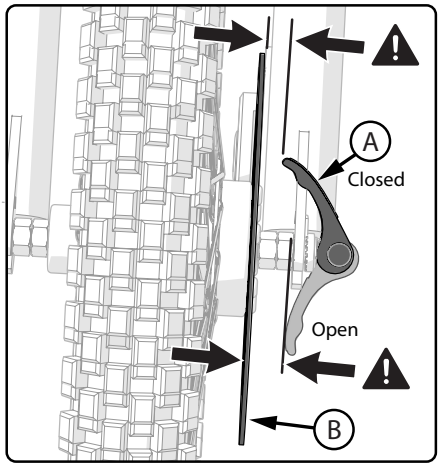
- Pushing down on fork to ensure wheel axle is fully seated in Fork Dropouts, tighten QR Nut Ⓑ (turn clock-wise) hand tight.
- Position QR Lever pointing UP or BACK and partially close.
- Adjust QR Nut and push QR Lever Ⓐ closed with palm of hand.



- Ensure QR Lever is tight and fully closed.
- Ensure wheel is centered in fork and held securely.

Wheel shown with QR Lever Ⓐ in Closed position.



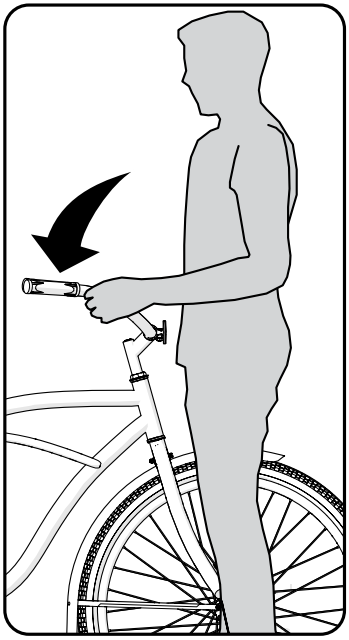


WARNING:

- Ensure the Quick-Release (QR) is properly tightened before each ride (refer to QR use instructions in this manual).
- Ensure QR Lever Ⓐ does not come in contact with Disc Brake Ⓑ or Spokes before each ride.
- DO NOT RIDE WITH THE QR IN THE OPEN POSITION.

Testing Stem and Handlebar Tightness

TO TEST THE TIGHTNESS OF THE STEM:



- Straddle the front wheel between your legs.
- Try to turn the front wheel by turning the handlebar.
- If the handlebar and stem turn without turning the front wheel, realign the stem with the wheel and tighten the stem bolt(s) tighter than before (about 1/2 revolution only at a time).
- Do this test again, until the handlebar and stem do not turn without turning the front wheel.

TO TEST THE TIGHTNESS OF THE HANDLEBAR CLAMP:

- Hold the bicycle stationary and try to move the ends of the handlebar up and down.

CAUTION: Do not exceed 100 lbs (45 kg) downward force.

- If the handlebar moves, loosen the bolt(s) of the handlebar clamp.
- Put the handlebar in the correct position and tighten the bolt(s) of the handlebar clamp tighter than before.
- If the handlebar clamp has more than one bolt, tighten the bolts equally.
- Do this test again, until the handlebar does not move in the handlebar clamp.

Seat Installation

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

SEAT AND SEAT POST SETUP:

1. If needed, loosen Nuts on Seat Clamp (D) and rotate Seat into riding position.
2. Ensure the Seat Post (E) is fully through the TOP Seat Clamp (D).
3. Tighten the Seat Clamp so the Seat does not move on the seat post.
4. If the Seat Clamp has a Nut on each side, tighten both nuts equally.
5. Point the Seat forward and put the Seat Post (E) into the Seat Tube (C) and proceed to next step.

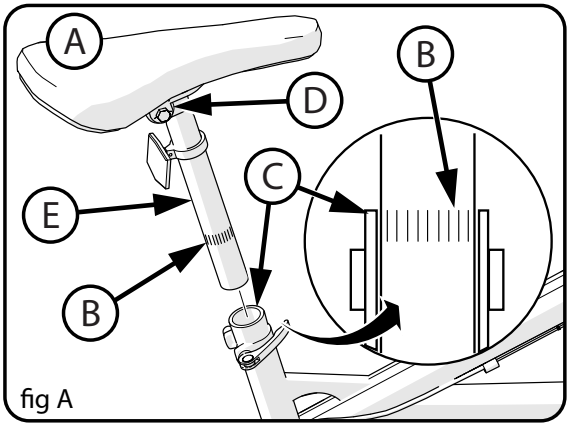


fig A

TIGHTEN THE QUICK RELEASE LEVER:

NOTE: The words "open" and "close" are on opposite sides of the quick release lever.

CAUTION: Operate the Quick Release Lever (F) by hand only. Do not use a hammer or any other tool to tighten the quick release lever.

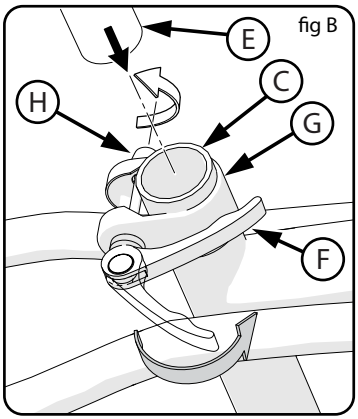


fig B

1. Move the Quick Release Lever (F) to the "open" position so the word "open" is pointing away from the Seat Post Clamp (G).

WARNING: You must use strong force to move the quick release lever to the "close" position. If you can easily move the lever to the "close" position, the clamping force is too light. If the clamping force of the Quick Release Lever is too light, the seat post can loosen while riding. This can cause injury to the rider or to others.

2. Open and close the Quick Release Lever with one hand while you turn the Adjusting Nut (H) with the other hand.
3. Tighten or loosen the adjusting nut by hand, so that you first feel resistance to the quick release lever when it perpendicular to the bicycle frame.
4. Push the Quick Release Lever to the "close" position.
5. When in the "close" position, make sure the Quick Release Lever lays against the Seat

Seat Installation - continued

Post Clamp Ⓖ.

6. The tightening torque of the Quick Release Lever should be tight enough so that the seat does not move during normal operation.

Seat Bolt Mount (various models)

Some models have a Bolt Ⓘ, Washer Ⓙ and Nut Ⓚ instead of a Quick Release Lever.

- If needed, loosen the nut enough to insert the Seat Post Ⓔ.
- Point the seat forward and insert Seat Post to the Minimum Insertion marks Ⓑ.
- Tighten Nut securely so it supports the rider without moving.

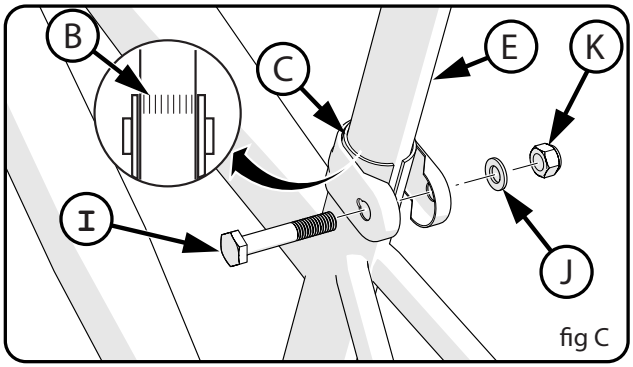


fig C

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.

Pedal Installation

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

NOTE: A Pedal Wrench is preferred for attaching Pedals. A thin open-end wrench can also be used.

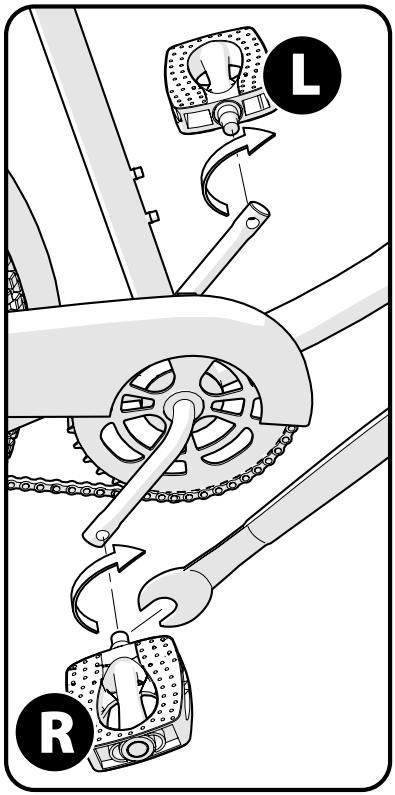
- The pedal marked Ⓡ has right-hand threads. Tighten it in a **clockwise direction**.
- The pedal marked Ⓛ has left-hand threads. Tighten it in a **counterclockwise direction (anti-clockwise)**.
- Turn the right pedal marked Ⓡ into the right side of the crank arm, and the left pedal marked Ⓛ into the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

Tighten the pedals:

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

NOTE: See Torque Chart for recommended torque.

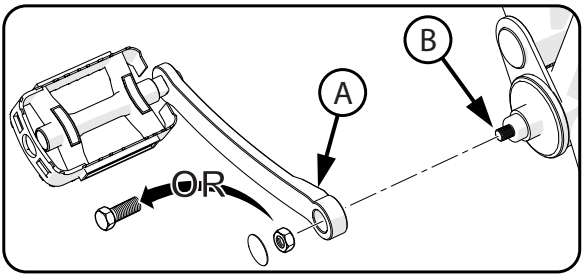
WARNING: Ensure pedals are secure in crank arms so they will not loosen. Periodically check tightness.



Three-Piece Cranks (various models)

Maintenance: Both Crank Arms Ⓐ were tightened to the spindle Ⓑ at the factory. After riding the bicycle the first few times, make sure the crank arms have not loosened. If either crank arm has loosened during this "break-in" period, re-tighten or have it tightened by a bicycle service shop.

Frequently check the tightness of the crank arms. If loose, tighten or have them tightened by a bicycle service shop.



WARNING: If you ride the bicycle with a loose crank arm, the crank arm may fall off. The spindle may also damage the crank arm.

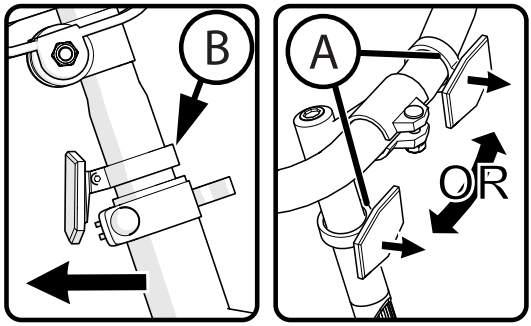
NOTE: See Torque Table for recommended torque.

Reflector Installation (as equipped)

Reflector Installation:

1. Position FRONT Reflector Ⓐ so it points straight forward.
2. Tighten Clamp Screw.
3. Position Seat Post Reflector (if equipped) Ⓑ so it points straight backwards.
4. Tighten Clamp Screw.

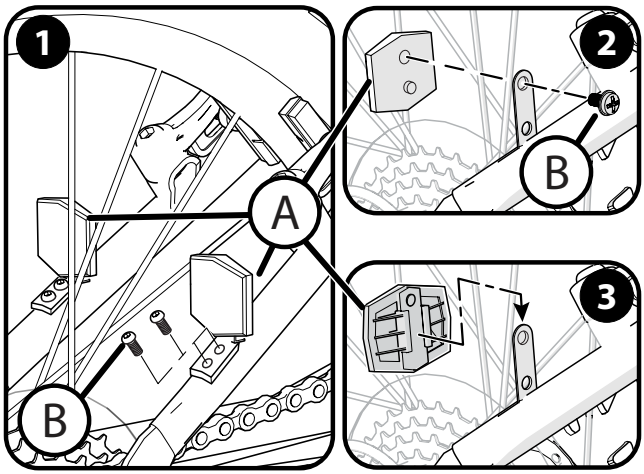
NOTE: Do not over-tighten. This will damage the Clamp.



Dual Rear Reflectors (various models):

The Rear Reflectors Ⓐ may be pre-installed on the bike chain stays. Make sure they are secure, not bent and are pointing straight backwards.

NOTE: Reflectors Ⓐ either attach with Screws Ⓑ or are SNAP on (see images).



❶ **BRACKET MOUNT:** Attach Bracket to Chain Stay securely using Screws Ⓑ.
❷ **SCREW MOUNT:** Attach Reflector to Bracket securely using Screws Ⓑ.
❸ **SNAP MOUNT:** Slide Reflector DOWN onto Bracket until it SNAPS into place.

Installing Derailleur Guard (on some models)

1. Remove Screws Ⓐ from Frame Tabs Ⓑ.
2. Install Guard Ⓒ using two Screws Ⓐ.
3. Make sure the Guard does not contact the Derailleur Ⓓ.
4. Tighten Screws Ⓐ securely.