



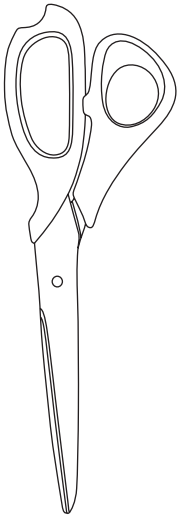
3-SPEED INTERNAL

ASSEMBLY GUIDE

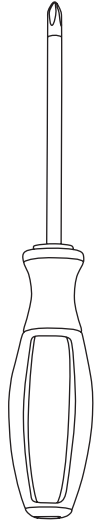
Illustrations are based off of Roadster Sport but instructions apply to all of these models:

Roadster Sport | Dutchi 3 | Mixte 3

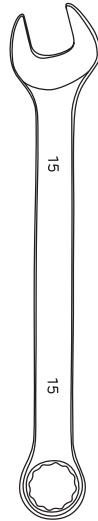
Tools



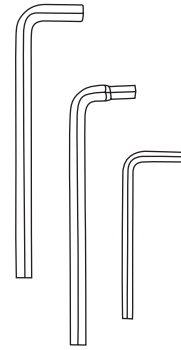
SCISSORS



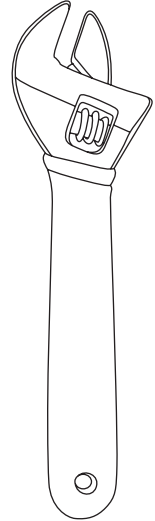
PHILIPS HEAD
SCREWDRIVER



15MM WRENCH

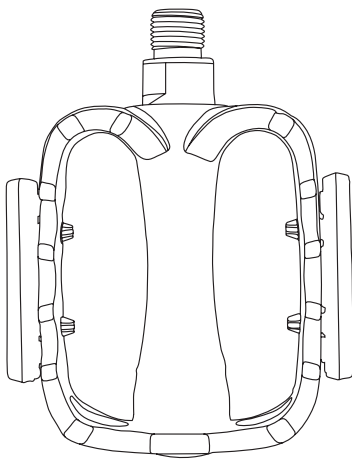


ALLEN WRENCH
6MM, 5MM, 4MM

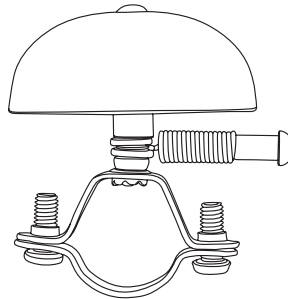


ADJUSTABLE
WRENCH

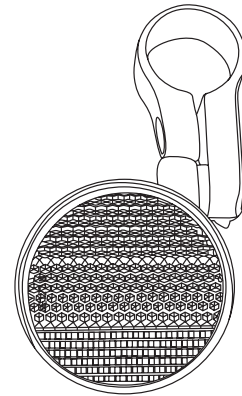
Parts



PEDALS
x2



BELL
x1



FRONT REFLECTOR
x1

Unpacking

Open top of the bicycle box. Remove bicycle, saddle and parts box.

We recommend using the flat box as a work surface for bicycle assembly.

Remove protective packaging carefully. Do not bend spokes when removing the front wheel.

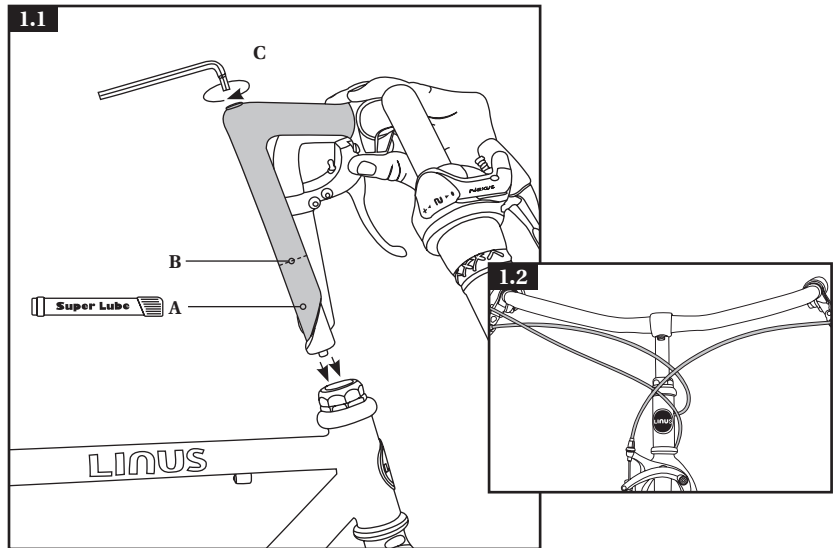
1. Stem Installation

1.1 Apply a small amount of grease around the bottom 1.5" (35mm) of the stem (**A**).

Insert stem into the steerer tube so that the minimum insertion line (**B**) is not visible.

1.2 Check cable routing. Make sure that no cable is pinched or obstructed.

1.1 Tighten with the 6mm Allen wrench (**C**). *Torque Requirement: 20-23Nm.*



2. Rear Fender Brace Installation

2.1 Unthread the rearmost bolts from the bicycle using a 4mm hex wrench (**A**).

2.2 Center fender brace at back of fender (**B**).

2.1 Thread 4mm bolts through the brace eyelets and screw them back into the dropouts (**C**). *Torque Requirement: 4-5Nm.*

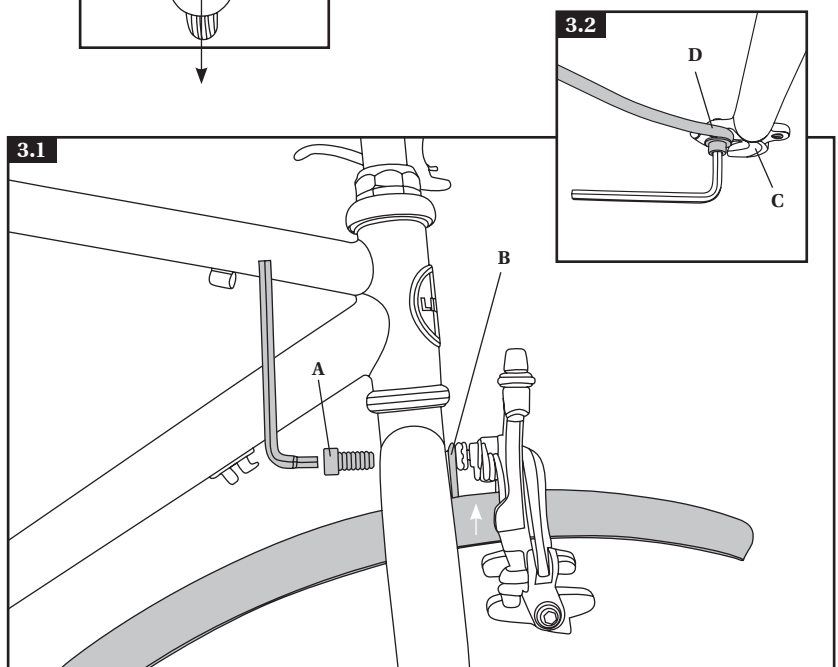
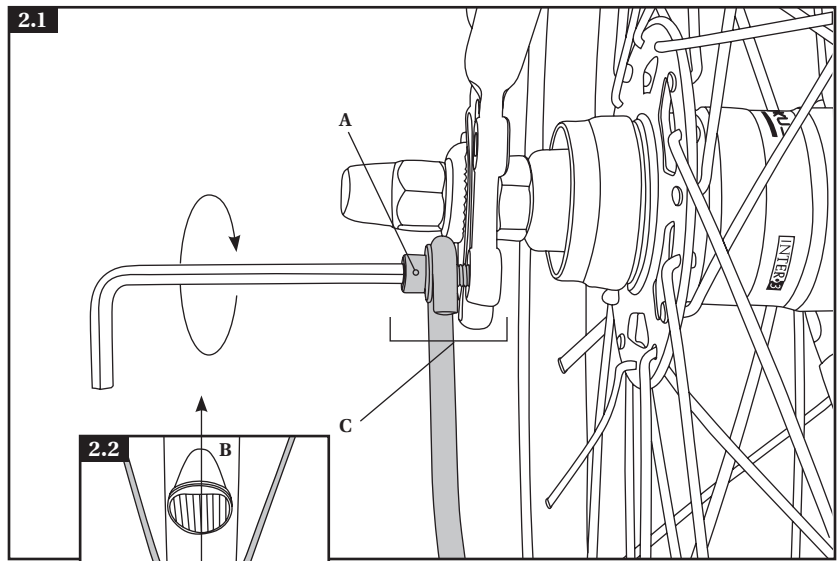
3. Front Fender Installation

3.1 Unscrew the brake nut from the back of the fork (**A**) using a 5mm hex wrench. Do not misplace the knurled washer.

Keep the knurled washer next to the brake caliper and slide the brake bolt through the fender mounting flange (**B**). Insert the brake bolt back into the fork and tighten the brake nut lightly.

Push the fender upward until it stops and then completely tighten the brake bolt. *Torque Requirement: 6.5-9Nm*

3.2 Unthread bolts from the fork drop outs (**C**) using a 4mm hex wrench. Center fender brace. Thread bolts through the brace eyelets (**D**) and screw them back into the dropouts. *Torque Requirement: 4-5Nm.*



4. Front Wheel Installation

4.1 Use 15mm wrench to loosen the nuts on the front wheel enough to slide the axle (A) into the fork dropouts (B). Make sure to seat the axle completely in the dropouts.

4.2 If the wheel cannot slip past the brakes flip the brake quick release up.

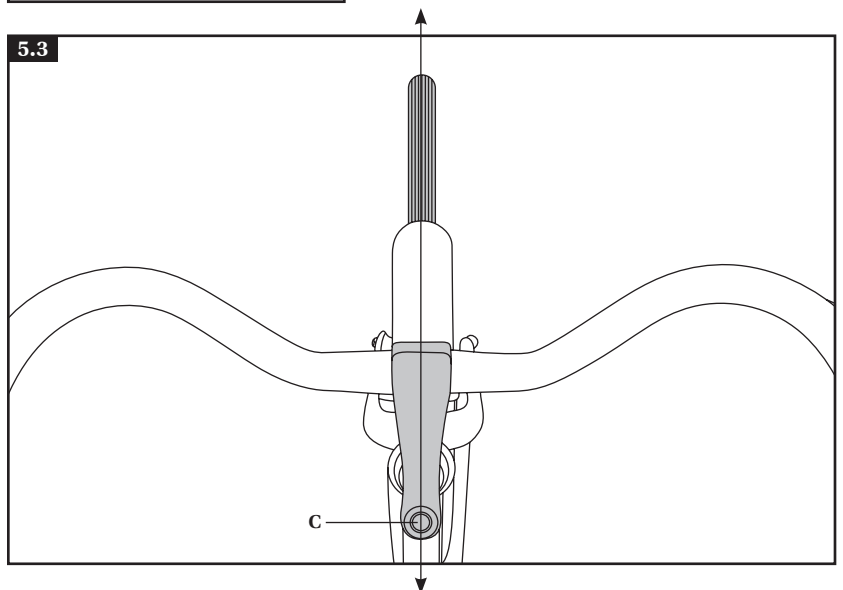
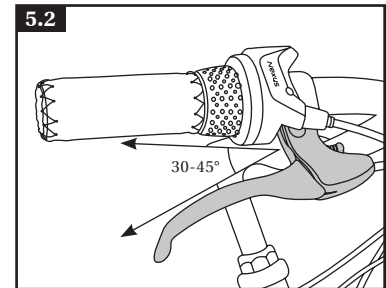
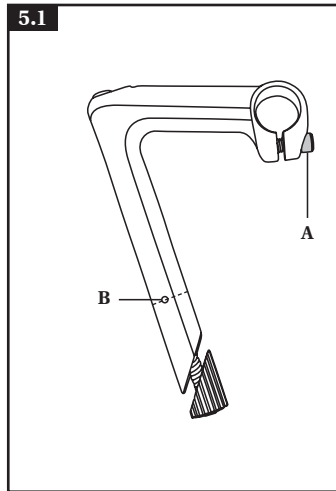
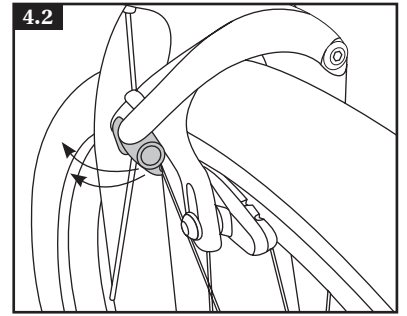
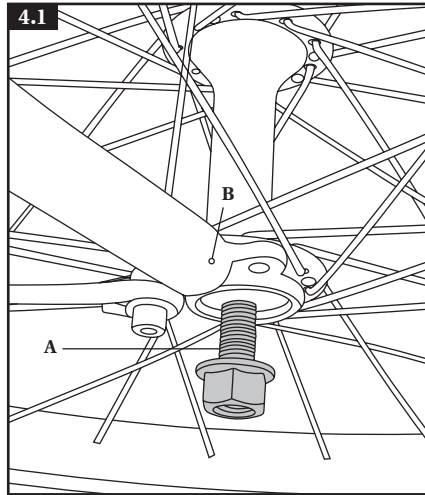
4.1 Tighten the axle nuts. *Torque Requirement: 30-45Nm.*

5. Stem Adjustment

5.1 Using a 6mm hex wrench, loosen the bolt in the front of the stem and adjust the handlebars so that they are level then re-tighten. *Torque Requirement: 16-22Nm.*

5.2 Using a 5mm hex wrench, loosen the bolt on the bottom of the brake lever. Adjust the angle levers so that they point downward (30-45°) and then re-tighten. *Torque Requirement: 6-8Nm.*

5.3 Check to make sure the stem is in line with the front wheel and that the minimum insertion line (B) is not visible. Use the 6mm hex wrench to loosen the stem, adjust and then tighten (C). *Torque Requirement: 20-23Nm.*



6. Front Brake Adjustment

6.1 Using 5mm hex wrench loosen the cable clamp bolt (A) enough for the cable (B) to move freely.

Turn the cable adjustment bolt (C) anti-clockwise 2 full turns.

6.3 Pull back the left-hand brake lever and insert cable end into the brake lever. Then pull cable back through the brake caliper body and slide the cable housing so that it meets the brake lever. Make sure that the cable lock on the brake caliper is in the down position.

6.4 With one hand squeeze the brake caliper by so that the brake pads are in contact with both sides of the rim.

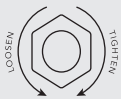
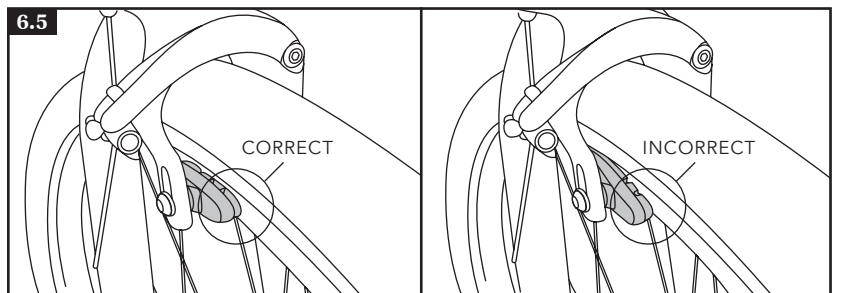
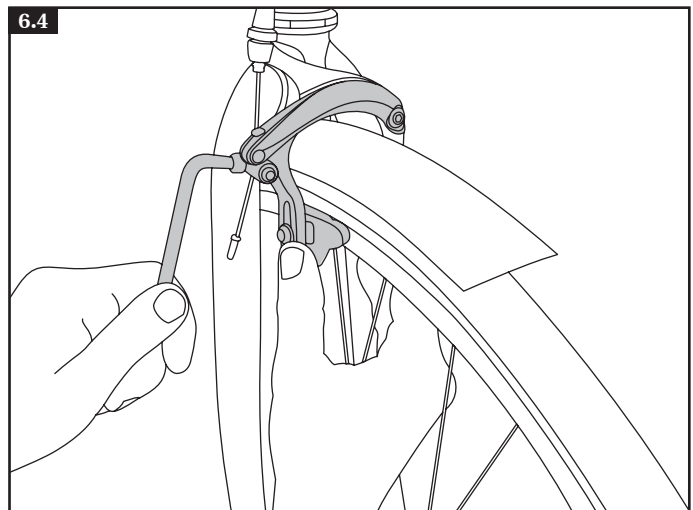
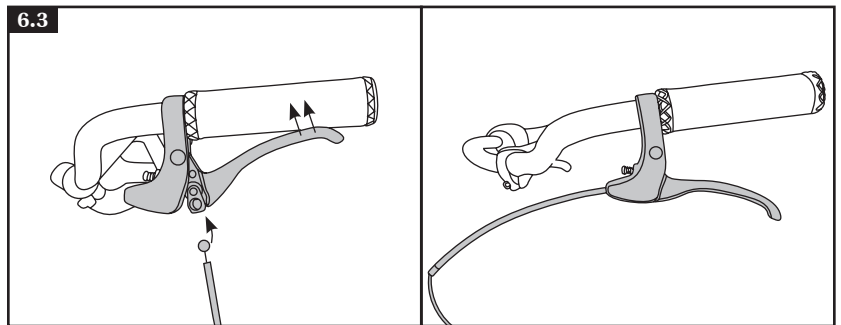
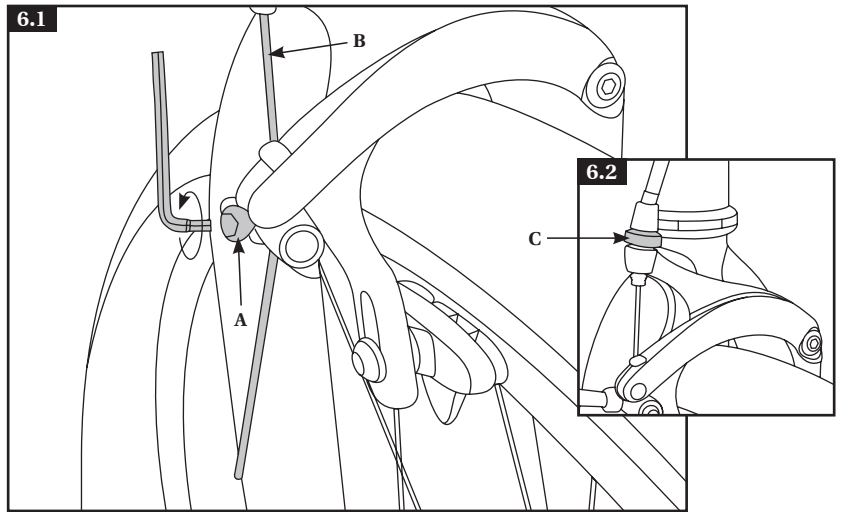
With your other hand, pull the brake cable taut to remove any slack then tighten the cable clamp bolt. *Torque Requirement: 6-8Nm.*

6.5 Check to see that the brake pads are parallel and centered on the brake track. If they are not, loosen the pads with a 4mm hex wrench, center them and tighten. *Torque Requirement: 4-5Nm.*

Squeeze the brake lever hard about 10 times to seat the cables, housing, and to stretch the cable.

Once the cable has seated loosen the cable clamp bolt, squeeze the brake caliper together, remove cable slack and re-tighten. *Torque Requirement: 6-8Nm.*

Finally, rotate the cable adjustment bolt clockwise 1-2 turns to fine-tune how quickly the brakes grab.



7. Pedal Installation

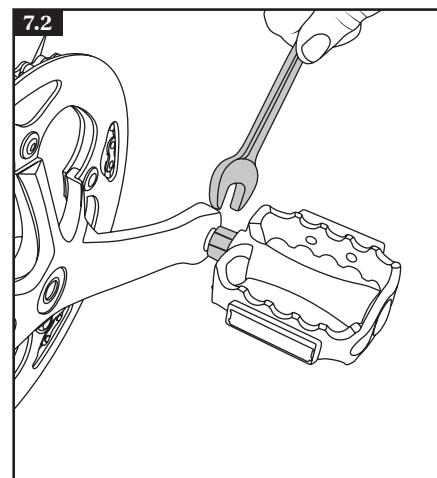
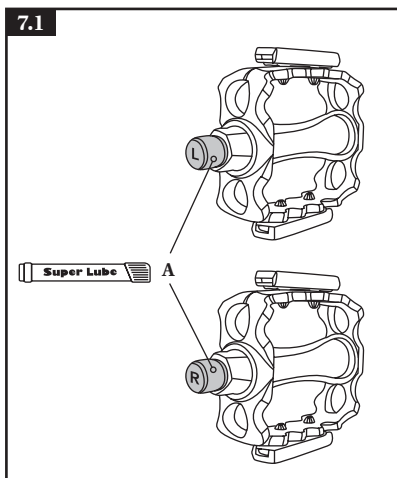
7.1 Pedals are side-specific. Check the ends of the axles to identify which side of the bicycle to install them in. R = Side of bicycle with chain.

Apply a small amount of grease to the pedal threads.

7.2 Install the pedal marked R by turning the axle CLOCKWISE.

Install the pedal marked L turning the axle ANTI-CLOCKWISE.

Tighten the pedal axles fully with the 15mm wrench. *Torque Requirement: 28-37Nm.*



8. 3-Speed Hub/Shifter Adjustment

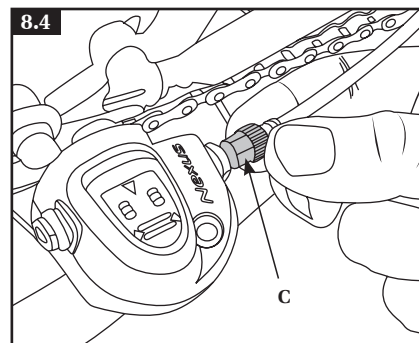
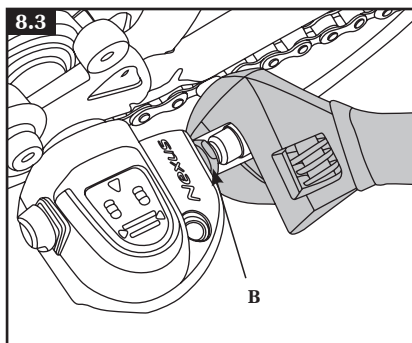
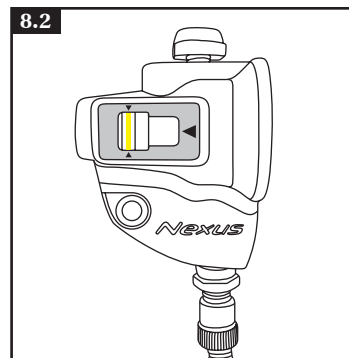
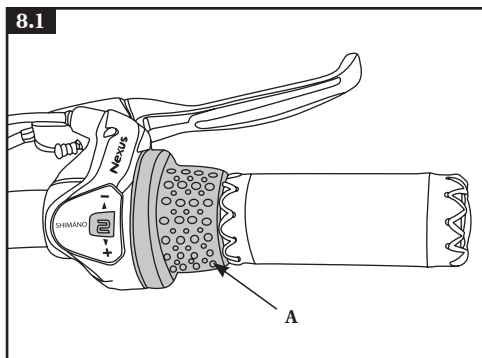
8.1 Twist the shifter (A) into the middle position (2nd gear) on the handle bar.

8.2 Look at the shifter box on the chain side of the rear wheel. A yellow indicator line should align with two arrows.

8.3 If the hub is out of adjustment unthread the black lock-nut (B) 1-2 turns with a multi-size wrench.

8.4 To move the indicator line toward the bicycle, turn the barrel adjuster (C) anti-clockwise. To move the indicator away from the bicycle, turn the barrel adjuster clockwise.

Once the indicator line is between the two vertical lines, tighten the lock-nut down.



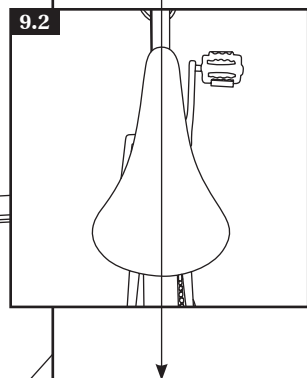
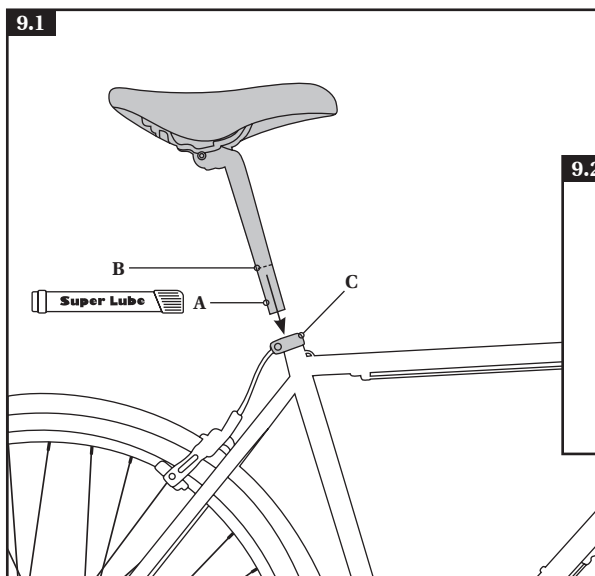
9. Seat Post Installation

9.1 Apply a small amount of grease around the bottom 1.5" (35mm) of the seat post (A) and insert the seat post into the seat tube.

Insert seat post so that the minimum insertion line (B) is not visible and align the saddle with the bicycle's top tube.

Tighten down the seat post clamp (C) using the appropriate hex wrench. *Torque Requirement: 4.5-6Nm.*

9.2 Check to make sure that the saddle is level. If it is not, use a 6mm wrench to loosen the saddle clamp, adjust the saddle, and re-tighten. *Torque Requirement: 20-27Nm.*



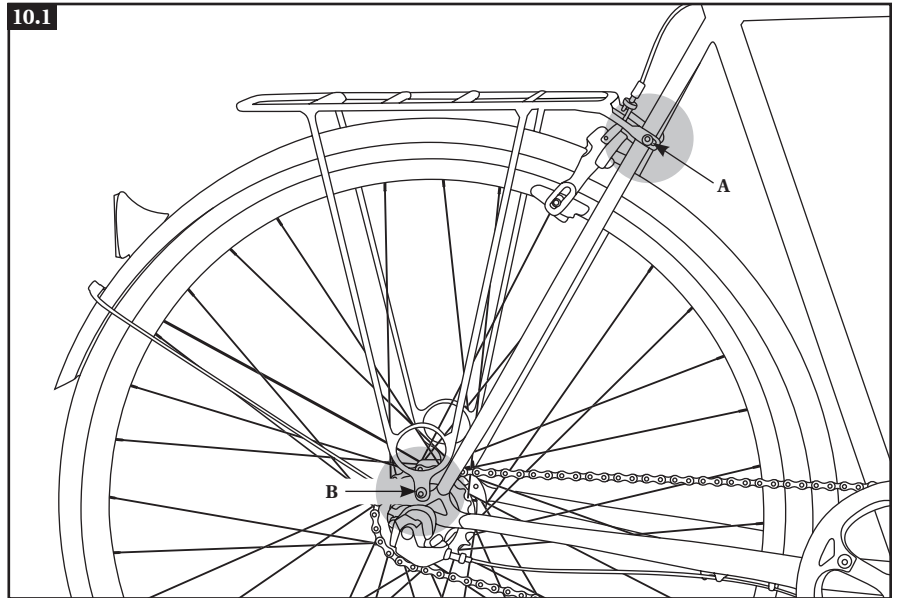
10. Rear Rack Installation

Unthread the 4mm bolts (A) on the seat stays (above the brake caliper) and from the rear drop outs (B).

Hold the rack over the rear wheel and thread the 4mm bolts through the rack braces into the drop-out but do not tighten down completely.

Thread the 4mm bolts through the upper braces and back into the seat-stays but do not tighten down completely.

Once all 4 bolts are installed hold the rack centered over the rear wheel and tighten the bolts completely. *Torque Requirement: 3-5Nm.*

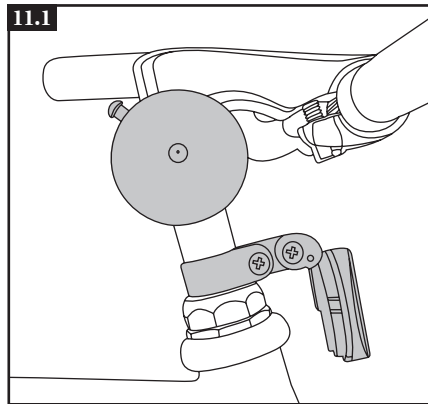


11. Bell + Reflector Installation

Using a Philips screwdriver, clamp the bell in the desired position.

To adjust the striker, rotate the dome anti-clockwise, re-position the striker and then tighten.

Using a Philips screwdriver, clamp the white reflector on the stem or handlebar and tighten down. Adjust the reflector lens so that the lens is perpendicular to the road.



12. Tire Inflation

Tire information can be found on the side-walls of your tires – you should be able to see tire size (e.g. 700x32) and recommended inflation (e.g. 65-85 PSI).

Tire pressure should be checked before each ride to help prevent unnecessary flats.



Final Check

Stem

Looking down at the handlebars, ensure that the stem is in line with the front wheel and the minimum insertion line is not visible. Once it is, tighten the 6mm bolt securely.
Torque Requirement: 20-23Nm.

To make sure that the stem is tightened enough, hold the front wheel in place and twist the handlebars. If the handlebars move, re-align the stem and tighten the bolt to spec.

Handlebar

Looking at the handlebars from the side, ensure that the handlebars are level with the ground. Once they are, tighten the 6mm bolt securely.
Torque Requirement: 16-22Nm

To make sure that the handlebars are properly tightened, lean down on them with significant pressure. If they move, loosen the 6mm bolt, reposition the bar and re-tighten the bolt to spec.

Saddle

Set saddle height slightly below your hips. Tighten seatpost clamp.
Torque Requirement: 4.5-6Nm.

Make sure saddle clamp is tightened.
Torque Requirement: 20-27Nm.

Wheels

Check front and rear axle nuts for tightness. *Torque Requirement: 30-45Nm.*

General

Test ride your Linus to ensure that the hub is shifting correctly, that the brakes are engaging quickly and securely, and the fenders and chain guard do not rub or make unnecessary noise.