

Electra



ASSEMBLY GUIDE



Electra

Hello!

Thank you for your purchase and welcome to the Electra family.

Here is some important information about your new purchase, along with step-by-step instructions to complete the assembly of your bike, and get you out safely on the road.

First things first.

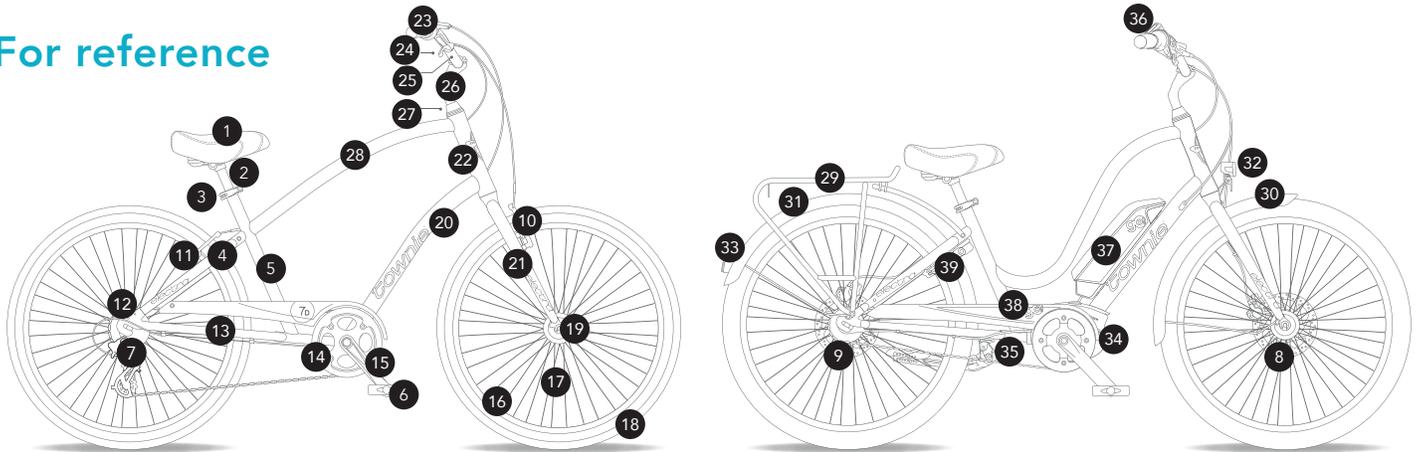
Your authorized Electra retailer has assembled and checked this bicycle before re-boxing it for shipment to you. If you have a concern about the condition of the bicycle you received, please contact your Electra bike shop first.

If necessary, contact Electra Customer Support at 1-800-261-1644, Monday through Friday from 8am to 6pm (PST). You can also reach us at customer@electrabike.com at any time.

IMPORTANT TO KNOW: This assembly guide is not a replacement for the Electra Owner's Manual or other instructions required for your bicycle. You can access the owner's manual in the parts box, at electrabike.com/support/owner-tech-manuals, or scan the QR code.



For reference



- | | | | | | |
|-------------------|--------------------|--------------|----------------|-----------------|-----------------|
| 1 Saddle | 8 Front disc brake | 15 Crank arm | 22 Head tube | 29 Rack | 36 Control unit |
| 2 Seat post | 9 Rear disc brake | 16 Rim | 23 Shifter | 30 Front fender | 37 Battery |
| 3 Seat post clamp | 10 Front rim brake | 17 Spoke | 24 Brake lever | 31 Rear fender | 38 Chain guard |
| 4 Seatstay | 11 Rear rim brake | 18 Tire | 25 Handlebar | 32 Front light | 39 Ring lock |
| 5 Seat tube | 12 Cassette | 19 Hub | 26 Stem | 33 Rear light | |
| 6 Pedal | 13 Chainstay | 20 Down tube | 27 Headset | 34 Motor | |
| 7 Rear derailleur | 14 Chainring | 21 Fork | 28 Top tube | 35 Kickstand | |

What you will need

Tools required:

- Pedal wrench (or 15mm open-end wrench)
- 4mm hex head wrench (rack, fender, lights)
- 5mm hex head wrench (stem)
- 6mm hex head wrench (expander bolt)
- Phillips screwdriver (for reflectors)
- Torque wrench
- Loctite Blue 242 (or equivalent threadlocker adhesive for fender installation).
- No grease required, this was already applied



WARNING: You add to the risk of injury if you use your bicycle in an incorrect manner. Misuse can add stress to the bike. High stress can cause the frame or a part to break. To decrease the risk of injury, you should use the bicycle in the manner for which it was designed.

Here are some basic instructions for all kids' and adult Electra bicycles.

You can search the section headings to find the instructions that pertain to your new bike.

Let's get started.

Preparation:

1. Remove bike from the box.
2. Remove all packaging.
3. Inspect the bike for damage. See instructions on the box flap.
4. Check the contents of the parts box.



Electra pedal bike
w/ Quick Release (QR) axle



Electra pedal bike
w/o Quick Release (QR) axle



Electra Bosch e-bike



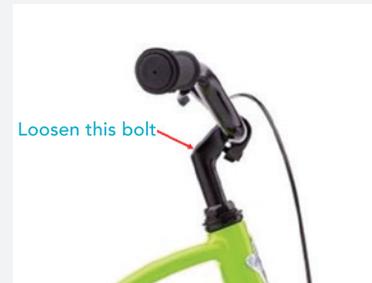
Electra Hydrive e-bike

Turn the handlebars (Kids' bikes)

1. Loosen the expander bolt on the stem.
2. Turn the handlebar so that it's 90 degrees from the wheel and frame.
3. Make sure the minimum insertion line is below the head tube.
4. Torque the expander bolt to 16.3 to 19Nm.

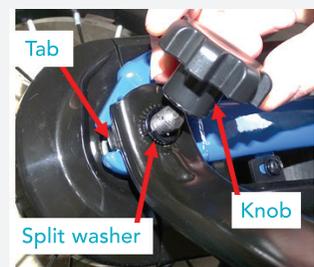
A. Make sure the front brake cable is not twisted or routed over the stem.

B. Make sure the front brake works correctly.



Install training wheels (kids' Sprocket bikes)

1. From the parts box, pull out:
 - 2 training wheels
 - 2 knobs
 - 2 split washers
2. If installed, remove the hub protectors from the rear wheels.
3. Lay the bike down on its side.
4. Fit the tab into the slot in the rear of the frame.
5. Install a split washer and a knob. Securely hand tighten the knob.
6. Turn the bike over and repeat steps 4 and 5 for the other training wheel.



Installation complete

Install training wheels (kids' Cruiser bikes)

1. From the parts box, pull out:

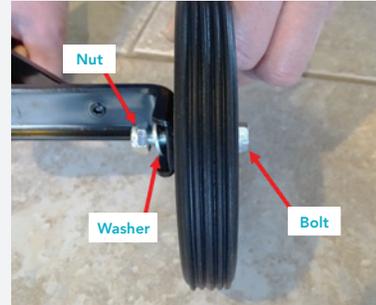
- 2 training wheels
- 2 brackets
- 2 retaining tabs
- 2 bolts, washers, nuts



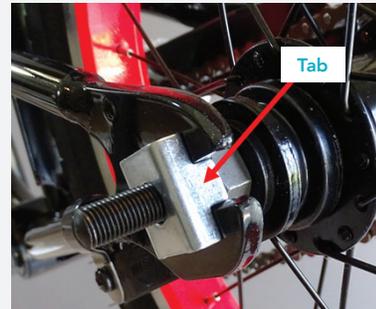
2. Use the bolt, washer, and nut to attach each wheel to the bracket. Securely tighten each nut.

3. Lay the bike down on its side.

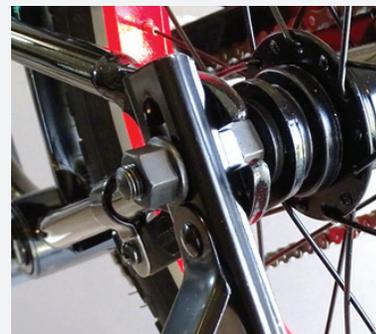
4. Remove the outside nut from the rear wheel axle.



5. Slide the retaining tab onto the axle and fit the tab into the slot in the frame.



6. Attach the bracket over the tab and loosely attach the nut back onto the axle.



7. Turn the bike over and repeat steps 4 to 6 for the other training wheel.

8. Use the elongated hole on the bracket to adjust the training wheels up or down so the wheels are approximately 0.19 inches from the ground.

9. Securely tighten both nuts on the axle.



Install the front fender

1. There are two possible hardware sets. Check to see which one you have:
 - A. 2 short M5 bolts (8mm) and 1 long M5 bolt (12mm)
 - B. 2 short M5 bolts (8mm), 1 very long M6 bolt (45mm), and 1 M6 nut

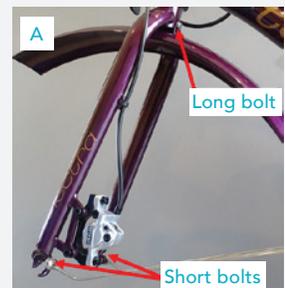
2. Apply Loctite (or similar threadlocker) to the lower half of the threads on the long bolt as shown.
3. With the fork facing forward, guide the fender through the rear of the fork.

If you have hardware set (A), insert the long M5 bolt through the fender bracket and into the threaded hole in the rear of the fork.

If you have hardware set (B), insert the very long M6 bolt through the front of the fork and fender bracket, and thread the M6 nut onto the bolt. Do not fully tighten the bolts at this time.

4. Use the two shorter bolts to attach the fender struts to the mounting points at the base of the fork.
5. Once all three bolts are in place, securely tighten all three bolts.

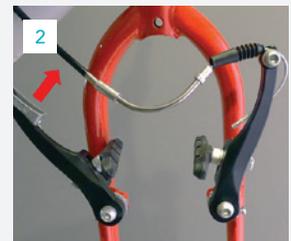
IMPORTANT: If the fender must be removed, always clean and apply threadlocker to the lower half of the threads during reinstallation.



Front wheel installation preparation (Adult bike)

Rim brake preparation:

1. Rotate the lever upward to open the brake (caliper brake).
2. Manually pull the brake cable from the saddle to open the brake (V-brake).



Disc brake preparation:

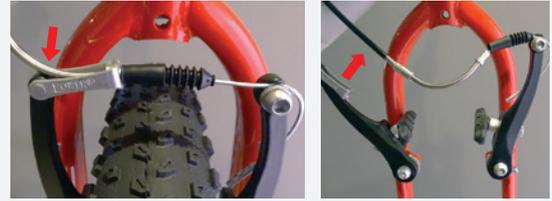
1. Remove the front disc brake pad spacer.



Install the front wheel (Bolt-on axle)

1. Release the cable from the front rim brake.
2. Remove the bolts and washers from the front wheel axle.
3. Insert the front wheel fully into the fork slots.

Note: Be sure to install the tire in the correct direction where indicated on the sidewall.



4. On each side of the axle, install the two washers and the nuts.
5. Use a 15mm wrench to securely tighten the nuts.
6. Reattach the cable for the front brake.



Front wheel installation (Adult bike)

Some wheel hub covers can be small and difficult to remove. You'll need to remove all hub covers prior to wheel installation.

Install quick release thru axle:

1. Take the thru axle from the parts box.
2. Fit the front wheel in place in the fork and insert the rotor into the disc brake.
3. Slide the thru axle through the hole in the fork and through the hub.
4. Turn lever clockwise to thread the axle into the opposite fork.
5. Hand tighten securely to fully install the thru axle.



Note: Be sure to install the tire in the correct direction where indicated on the sidewall.

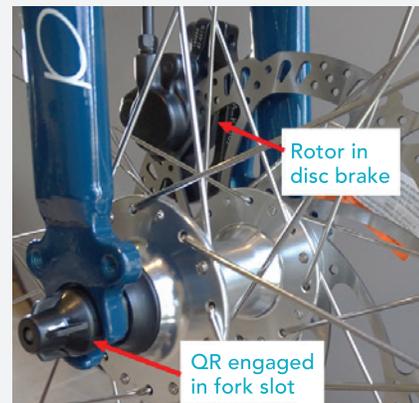


Front wheel installation (Adult bike) - CONTINUED

Install QR skewer: Loosen the expander bolt on the stem.

Note: Be sure to install the tire in the correct direction where indicated on the sidewall.

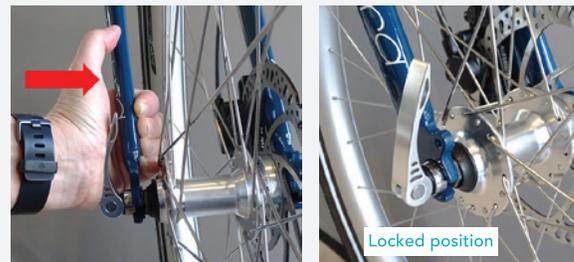
1. Take the QR skewer from the parts box. Remove the nut and one spring from the skewer.
2. Insert the skewer – with one spring – into the front wheel axle.
3. Attach the other spring (small end first) and the nut.
 - A. **Disc brake:** Insert the rotor into the disc brake and fit the front wheel in place in the fork.
 - B. **Rim brake:** Place the front wheel and QR assembly so that it is fully engaged in the fork slots.
4. Begin to tighten the nut, and then close the quick release lever, making sure it's correctly positioned-facing slightly forward of the fork.



Important information about the QR system:

⚠ WARNING: The wheel must be securely clamped. Securely clamping the wheel with a quick release system takes considerable force. If the wheel is not properly secured, the wheel can become loose or fall off, causing serious injury.

- A. The nut should be tightened enough that you need to wrap your fingers around the fork to close the lever.
- B. The motion of the lever should have some resistance when it's about halfway closed.
- C. If the lever moves too easily, tighten the nut and try closing the lever again.
- D. The lever should leave a clear imprint in your palm and the fastener should emboss the surface of the fork slot.



Complete the front wheel installation (Rim brakes)

1. Once the wheel hub is securely locked in place:
 - A. Rotate the lever downward to close the brake (caliper brake).
 - B. Reattach the brake cable into the saddle to close the brake (V-brake).



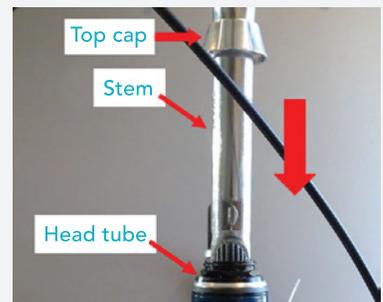
Install the handlebar (Adult bikes)

1. Make sure headset top cap is installed on to stem.
2. Slide the stem and handlebar assembly into the head tube.
The stem is pre-greased.

IMPORTANT: Take time to make sure the MINIMUM INSERTION LINE is below the headset

- A. Make sure cables are not twisted or routed over the stem.
 - B. Make sure the brakes and derailleurs work correctly.
3. Torque the stem expander bolt to 16.3 to 19Nm.
 4. Use a Phillips screwdriver to loosen, adjust, and re-tighten the front reflector.

Note: The reflector should face straight ahead and be perpendicular to the ground.



Install the pedals (Threads are pre-greased)

1. Grab the pedals from the parts box.
2. Look for the 'R' or 'L' indented in the threaded end of the pedals to identify the correct side.
3. Hand tighten at first. Right pedal tightens clockwise. The left pedal tightens counterclockwise.
4. Completely tighten the pedals with a pedal wrench or a thin 15mm open-end wrench.

Note:

- A. Tighten the nut near the threads, not the pedal.
- B. Both pedals tighten by rotating the wrench towards the front of the bike.



Adjust the seat height

1. If not installed, insert the seatpost into the seat tube (seatpost is pre-greased).
2. Adjust the seat up or down to proper riding height and fit.
IMPORTANT: Make sure the MINIMUM INSERTION LINE is below the top of the seat tube.
3. Align the seat with the top tube ensuring it is facing straight forward.
4. Tighten the seatpost collar quick release (same as the wheel QR), - OR torque the seatpost collar bolt to 5Nm.
5. A correctly tightened seatpost collar will allow no seat movement in any direction.
6. Use a Phillips head screwdriver to loosen, adjust, and tighten the rear reflector:

Note: The reflector should be straight and perpendicular to the ground.



Tighten the rack(s) — if equipped

1. Torque the top two strap bolts to 6-7Nm.



2. Torque seat stay and dropout bolts to 5Nm (left and right side).



Inflate the tires

IMPORTANT: The following steps are for a Bontrager floor pump. If different, follow the instructions on your pump.

1. Remove the dust cap from the valve stem.
2. With the pump head lever down, place the pump head over the valve stem and lift the lever up to lock the head in place.
3. Start pumping and keep an eye on the pressure gauge. When within the range printed on the tire, stop pumping.
4. Press down on head lever and remove the head off the valve.
5. Securely replace the dust cap and you're done.



Bicycle Assembly Checklist

BEFORE YOUR FIRST RIDE, COMPLETE THIS CHECKLIST:

- Handlebar properly aligned?
- Stem bolts tightened?
- Pedals installed correctly (left and right) and tightened?
- Seat and seatpost installed, adjusted, and tightened?
- Front wheel installed correctly?
- Wheels installed correctly and tightened?
- Front and rear brakes function correctly?
- Seat height adjusted correctly?
- Tires inflated to correct pressure?
- Reflectors on: handlebar, seatpost, both wheels?
- Register your bicycle?
- Get out and grab life by the handlebars

REGISTER YOUR BIKE

Register at electrabike.com/support/product-registration
or scan the QR code at right.

