URSUS ELECTRIC BIKES

Ursus Cub Assembly Manual

Read before riding



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Your Ursus Cub — Parts Overview

Use this diagram to identify the components referenced throughout this manual. The drive side (chain) is always the right side of the bike.



Diagram for reference — rear rack and mudguards supplied on select models only.

Safety — Read This First

Warning. Never open, modify, or adjust the motor, battery, controller, charger, accelerator, or wiring harness. Damage, injury, or voided warranty will result.

Warning. Remove the battery before any maintenance or inspection. The bike could start unexpectedly otherwise.

Note. Cracks, deep scratches, or color changes in a load-bearing area mean the part has reached end-of-life — stop riding and have it inspected by a qualified technician.

Note. If you have a visual, hearing, physical, or cognitive impairment, or a seizure disorder, consult your doctor before riding.

Tools Needed

Before you begin assembly, make sure you have the following tools on hand. The assembly tools included in the box will cover most steps.

Phillips screwdriver	Used to mount the front brake bracket and fit the reflector clamps.
Allen wrench / hex key	Used to fit the handlebars (4 clamp bolts) and attach the battery holder to the frame.
15 mm wrench	Used to tighten the front wheel axle nuts and fit the pedals.
Pliers (optional)	May be used for additional tightening of the seat clamp adjustment nut if extra grip is needed.

Step 1 — Unbox & Check the Parts

Cut the nylon straps, remove all packaging, and confirm every item below is present before continuing.

Electric bike (frame + rear wheel assembled)	Battery charger
Front wheel	Battery key (check handlebar or battery)
Left pedal — marked L	Mudguards (some models only)
Right pedal — marked R	Assembly tools

> **Note.** The battery comes attached to the battery holder. Before mounting the holder to the bike, detach the battery first. The holder is mounted to the frame on its own in Step 10, and the battery is installed into it afterward in Step 11.

> **Warning. Start charging the battery before assembly — first charge takes 6–8 hours.**
> You'll need it fully charged before your first ride.

Step 2 — Charge the Battery First

1. Connect the charger to any standard AC outlet.
2. Plug the charger cable into the charging port on the battery.
3. Flip the power switch on the battery to the ON position.
4. Red LED = charging in progress. Green LED = fully charged.
5. Once green, unplug and replace the rubber dust cap over the port.

> **Note.** Only use the charger that came with your bike. Do not substitute another.



Supplied charger



Charging port connector

Step 3 — Fit the Handlebars

Tool needed — Allen wrench / hex key

1. Locate the handlebar clamp piece already on the bike. It is held by 4 Allen screws — the heads point inward toward the rider.
2. Using the Allen key, remove all 4 screws completely and set them aside.
3. Slide the handlebar through the clamp piece.
4. Look for the guide circle marked on the handlebar — this shows the correct centering position. Align the clamp with this circle.
5. Hand-tighten all 4 Allen screws back into their original positions.
6. Tighten all 4 screws evenly using the Allen key — alternate between screws rather than fully tightening one at a time.
7. Give the bars a firm push-pull test to confirm nothing slips.



Handlebar correctly fitted and centered on the clamp

Step 4 — Attach the Front Brake

Tool needed — Phillips screwdriver

1. Locate the front brake — it comes detached. You will also find the small mounting bracket and two screws.
2. Position the front brake on the left side of the front fork, aligning the two holes.
3. Place the small mounting bracket on the outside so it sits between the brake and the screw heads.
4. Insert each screw from the outside, passing through the bracket, then the fork, and into the brake.
5. Tighten both screws evenly until the brake sits flush and does not move.

> **Note.** The bracket must be sandwiched between the brake and the screw heads. Double-check both screws are fully tightened before riding.

Step 5 — Install the Front Wheel

Tool needed — 15 mm wrench

> **Note.** Some models have a quick-release hub. If yours does, seat the axle in the drop-outs and click the lever closed. Skip the nut steps.

1. Loosen (don't remove) the axle nuts on both ends. Ensure the washers stay seated.
2. Hold the wheel in front of the forks with the brake disc rotor on the same side as the caliper.
3. Slide the wheel in from the front, guiding the disc gently between the caliper jaws.
4. Lower the axle into the drop-out slots at the bottom of each fork leg.
5. Check both sides — the axle must be fully seated in both drop-outs.
6. Rotate each captive washer so its tab drops into the 5 mm square hole above the drop-out. Finger-tighten.
7. Use the 15 mm wrench to tighten both axle nuts firmly and evenly.



Tightening the front wheel axle nut with a 15 mm wrench

Step 6 — Fit the Pedals

Tool needed — 15 mm wrench

> **Warning. Pedals are handed and will damage threads if fitted to the wrong side.**
> Right pedal (R) threads clockwise. Left pedal (L) threads counter-clockwise. Always start by hand.

1. Find the pedal stamped R. Thread it clockwise by hand into the right (chain-side) crank arm.
2. Tighten fully clockwise with the 15 mm wrench on the flat of the spindle.
3. Find the pedal stamped L. Thread it counter-clockwise by hand into the left crank arm.
4. Tighten fully counter-clockwise with the 15 mm wrench.



Left pedal (marked L) being fitted into the crank arm

Step 7 — Fit the Reflectors

Tool needed — Phillips screwdriver

Front reflector — white or clear

1. Fully remove the bolt from the circular clamp — hold the nut so it doesn't drop.
2. Slide the clamp over the handlebar near the center, reflector facing forward. Replace and tighten the bolt.

Rear reflector — red

1. Loosen (don't remove) the clamp bolt.
2. Slide the clamp up the seat post with the reflector facing rearward, just under the saddle. Tighten.

Step 8 — Install the Seat

Tool needed — none (pliers optional for extra tightening)

1. Open the quick-release lever on the seat clamp.
2. On the opposite side of the lever, find the adjustment nut. Turn it clockwise until you feel resistance — this controls how firmly the clamp grips the seat post.
3. Slide the seat post into the frame and set to a comfortable height. Do not extend past the MIN INSERT mark.
4. Close the quick-release lever firmly. It should take noticeable hand pressure. If it closes too easily, open it, tighten the adjustment nut one more turn, and close again.
5. Push and rotate the saddle in all directions — it must not move at all.

> **Note.** The adjustment nut and quick-release lever work together. The nut sets the grip, the lever locks it. Use pliers on the nut if extra grip is needed. Both must be correctly set before riding.



Adjusting seat post height and closing the quick-release clamp lever

Step 9 — Inflate the Tires

Tool needed — foot or hand pump with Schrader (car-type) valve adapter

> **Note.** Most bikes arrive with tires already inflated. Check the pressure before riding and top up if needed.

1. Remove the dust cap from the valve stem.
2. Attach the pump and inflate to 50 psi. The sidewall should feel firm when squeezed.
3. Remove the pump and replace the dust cap.
4. Repeat for the other wheel.

Step 10 — Attach the Battery Holder

Tool needed — Allen wrench / hex key

1. If you have not already done so, detach the battery from the battery holder — the holder must be mounted to the frame on its own.
2. Locate the three placeholder screws already in the bike frame at the battery mounting position. Do not discard them.
3. Unscrew all three screws from the frame and set them aside.
4. Position the empty battery holder flat against the frame, aligning its three screw holes with the exact same holes the screws came out of.
5. Insert all three screws through the holder and back into the frame. Hand-tighten each one first, then tighten fully and evenly.
6. The holder must sit completely flush against the frame with no movement before proceeding.

> **Note.** Do not install the battery until the holder is fully secured. All three screws must be tight before moving to Step 11.

Step 11 — Install the Battery

The battery holder is now mounted to the frame. Install the battery into it as follows.

1. From the chain side, tilt the bottom edge of the battery into the lower part of the holder cradle.
2. Push the top edge of the battery across until you feel it click firmly into place.
3. Insert the key and turn to lock the battery in the holder.
4. Remove the key — it does not need to stay in while riding.
5. Give the battery a firm push and pull in all directions to confirm it is fully secured.



Sliding the battery into the mounted holder from the chain side

Warning. The battery must be locked before every ride.
An unlocked battery can fall out while moving.

Note. Press the button on the side of the battery to check the charge indicator. To remove the battery, insert the key, turn to unlock, and lift it out of the holder.

Step 12 — First Ride & Controls

Turning on & mounting safely

1. Straddle the bike and squeeze a brake lever — this cuts power to the motor.
2. Flip the power switch on the battery to the ON position.
3. Press and hold the button on the battery until the bike powers on.
4. Begin pedalling to move — the motor will engage automatically via pedal assist.
5. When finished, hold the button on the battery to power the bike off before dismounting.

Pedal assist (PAS) mode

1. Begin pedalling — the motor will engage after roughly two pedal rotations.
2. The motor provides assistance as you pedal, making riding easier.
3. Use the + and – buttons to adjust the pedal assist level.

Warning. Maximum speed: 20 mph (32 km/h). Maximum total weight (rider + cargo): 120 kg / 265 lb. Single rider only.

Note. Always ride responsibly and in accordance with local traffic laws. Check your model's specifications for full usage guidelines.

Pre-Ride Checklist

Go through this before your first ride and any time the bike has been in storage.

Battery holder mounted to frame — all three screws tight	———
Battery installed and locked in holder — key removed	———
Front wheel axle nuts tight — no side-to-side movement	———
Both pedals fully tightened on correct sides	———
Handlebars perpendicular to wheel and firm	———
Saddle at correct height, clamp lever closed	———
Tires inflated to 50 psi	———
Reflectors fitted — white/clear front, red rear	———
Both brake levers tested — each stops the bike cleanly	———

Note. For service, repairs, or any issue not covered here, take the bike to a qualified bicycle technician. Keep this manual somewhere easy to find.