

*nakto*

**F2**



# Assembly Instructions: F2



**Tools included:** Screwdriver, Phillips & Slotted 2 in 1  
Double open-end wrench, 8mm/10mm  
Double open-end wrench, 13mm/15mm  
Allen wrench, 3mm  
Allen wrench, 4mm  
Allen wrench, 5mm  
Allen wrench, 6mm

**Tools needed:** Scissor  
Bike pump



## Let's start assembling your NAKTO F2 ebike!

(Please read this entire assembly manual before assembly as it will save you a lot of time!)

### Step One.

1. Unpack the bike. Pull the frame and all parts (Charger, Toolkit, Manual, Keys, Fuse, Pedals.) out of cardboard box. Separate bike from foam padding. Cut off all zip ties with scissors while being extra careful as not to damage the paint or cut any wires or cables. **Notice:**

Keep the spare fuse in a safe place. It is not used for assembly and will be used for the replacement if the original fuse were damaged.

**Ensure all the following pieces are included with the Nakto F2.**



2. Now stand the bike upright.

## Step Two: Install the handlebar.

1. Loosen the four stem faceplate bolts with supplied Allen wrench, remove the stem faceplate and set aside.



2. Place the handlebar on the stem correctly. Trace the front brake cable directly up from the front brake caliper to the left handlebar and ensure the cables and wires are not twisted. **Notice:** The horn is on the left hand side and the gear shift is on the right.



3. Center the handlebar and tighten the bolts on stem faceplate evenly.



4. Perform a twist test.

- (1). Brace the front wheel between your legs.
- (2). Switch hands so the opposite hands are pushing and pulling with about 20 pounds of force make sure the handlebar and front wheel are still properly aligned.
- (3). Repeat the twist test pulling/pushing with the opposite hands.



### Step Three: Install the LCD display.

1. Loosen the bolts on the LCD display clamp with the supplied allen wrench and set aside.



2. Remove the spacer.

3. Clamp the LCD display onto the handlebars and align it with the stem.

**Notice:** the stem will go in between the two LCD display clamps.



4. Tilt the LCD display to the optimal position and tighten the bolts.



#### **Step Four: Install the pedals.**

1. Locate the pedal with an “R” stamped into the end of the pedal axle, which indicates it is the right pedal. The right pedal goes on the crank on the right side of the bike. The remaining pedal with an “L” stamped into the end of the axle, is the left pedal. The left pedal goes on the crank on the left side of the bike.



2. The right pedals threaded to tighten by turning clockwise. The left pedals reverse-threaded and tightens counterclockwise. Carefully thread the pedal onto the crank by hand slowly.
3. Further tighten with the supplied double open-end wrench. Do not cross thread or damage the threads.



**Step Five : Charge the battery.**

Operate the electrical system when the battery has been adequately charged and the battery is secured to the frame mount. Your Nakto bike comes partially charged. We recommend you Connect the charger input plug (110/220-volt plug) to the power outlet for 3 to 4 hours. The charger light will go from red to green when it is fully charged.

**Notice:** There is a switch located opposite the charging port. During regular use, it should be kept in the "o" position to protect the battery and minimize power loss. Before charging, it needs to be pressed to the "-" position.

Plug the charger into the battery's charging port before connect the charger input plug (110/220-volt) to the power outlet.



## Step Six : Ensure all hardware is tightened properly following recommended torque values.

Recommended Torque Values:

Hardware Location	Hardware	Torque Required (Nm)
Front Dropout Area	Front Axle Nuts	40
Handlebar Area	Handlebar Stem Clamp Bolts	10
Handlebar Area	Stem Bolts	10
Handlebar Area	Brake Lever Clamp Bolt	6
Handlebar Area	Shifter Clamp Screw	6
Handlebar Area	Angle Adjustment Bolt	18
Brakes	Caliper Adapter to Frame	6-8
Brakes	Caliper to Adapter	6-8
Brakes	Brake Cable to Caliper Clamp	6-8
Brakes	Disc Brake Rotor to Hub	7
Fenders	All Fender Mounting Bolts and Hardware	6

Hardware Location	Hardware	Torque Required (Nm)
Headlight	Headlight Angle Adjustment Bolt	6
Seatpost Area	Seat Angle Adjustment Bolt	20
Rear Dropout Area	Rear Axle Nuts	40
Rear Dropout Area	Rear Torque Arm Bolt	5
Rear Dropout Area	Derailleur Hanger Mounting Bolt	6
Rear Dropout Area	Derailleur Mounting Bolt	10
Rear Dropout Area	Derailleur Cable Pinch Bolt	6-8
Rear Dropout Area	Kickstand Mounting Bolts	8
Bottom Bracket and Crank Area	Bottom Bracket and Lockring	60
Bottom Bracket and Crank Area	Crank Arm Bolt into Bottom Bracket Spindle	35
Bottom Bracket and Crank Area	Pedal into Crank Arm	35
Bottom Bracket and Crank Area	Chainring Bolts	10
Bottom Bracket and Crank Area	Controller Mounting Bolts	6

## Step Seven : Register warranty card with us ASAP.

**Notice:** Keep proof of purchase in a safe place. Keep packing and box for at least two weeks from the date of purchase. (As we do not provide a box for returns if needed.)

Have fun and be safe!

# Quick Start Guide

This ebike is equipped with two ways for a rider to use power assistance from the motor to propel the bike forward:

**The pedal assist system (PAS)** —The rider can engage the pedal assist system (PAS) while pedaling, and it will call up assistance from the motor to help propel the bike forward.

**The twist throttle**—The throttle is located on the right side of the handlebar. The rider can use it with a twist of the throttle grip to propel the bike forward without pedaling.

**Warning:** The throttle is active whenever the bike is turned on. Do not use the throttle unless you are on the bike.

## Start-Up Procedure

1. **Sit on the bike.**

2. **Turn on the electrical system**—Press the “**M**” button on the left side of the handlebar for approximately 3 seconds until power is delivered to the LCD Display.



3. **Select the desired level of pedal assistance**—Select the level from 0-5 by pressing “+” and “-”. Level 1 corresponds to the lowest level of pedal assistance, and level 5 corresponds to the highest level of pedal assistance. Level 0 indicates pedal assistance is inactive. Start in PAS level 0 or 1 and adjust from there.



4. **Begin riding carefully**—Hold handlebars and start pedaling on a flat surface, in a low gear (1 or 2), most riders should be able to begin pedaling the bike with pedal assist level 0 or 1. You may also use the throttle to accelerate and maintain your desired speed.

5. **The throttle** is used by slowly and carefully rotating the throttle backward toward the rider. The more you twist, the more powerfully the throttle will propel the bike forward. The throttle is active whenever the bike is turned on. Do not use the throttle unless you are on the bike.



7. **Brake**—Brake the bike by squeezing the brake lever (**Notice:** as a safety feature applying either front or rear brake will disengage the motor.)

8. **Turn off the electrical system** by pressing and holding the “**M**” button approximately 3 seconds again before getting off the bike.





# WARNING

We recommend that you always wear protective gear when cycling such as a helmet, gloves, elbow pads and goggles.

When riding, obey the same road laws as all other road vehicles as applicable by law in your area.

Best to charge the battery during the day when someone is around. Overnight charging is not recommended.

Follow these steps for charging your bike: Plug the charger into the battery's charging port before connect the charger input plug (110/220-volt) to the power outlet.

Before riding always carry out a through safety check each time. We highly recommend that you read the instruction manual before your very first ride.

It is the user's responsibility to ensure a potential passenger on the Nakto ebike is adequately experienced and healthy enough to ride safely as a passenger. Serious injury or death can occur if passengers are inexperienced or in poor health such that it impacts their ability to ride as passengers safely.

Carrying baggage may reduce the control of your ebike.

Take extra care while riding in wet and sandy surface including decreasing speed and increasing braking distances.

Directions for assembly of the bicycle required in the instruction manual by § 1512.19(a)(2) shall include an explicit warning about the danger of the damaging the stem-to-fork assembly and the risk of injury to the rider that can result from over tightening the stem bolt or other clamping device.



**WARNING:** Riding at dawn, at dusk, at night or at other times of poor visibility without a bicycle lighting system which meets local and State laws and without reflectors is dangerous and can result in serious injury or death.

Even if you have excellent night vision, many of the

## **Wheels Repair and Service**

### **Wheel Inspection**

It is most important that wheels are kept in top condition. Properly maintaining your bicycle's wheels will help braking performance and stability when riding.

### **Be aware of the following potential problems:**

#### **Dirty or greasy rims**

**Caution:** These can render your brakes ineffective. DO not clean them with oily or greasy materials. When cleaning, use a clean rag or wash with soapy water, rinse and air dry. Don't ride while they're wet. When lubricating your bicycle, don't get oil on the rim braking surfaces.

#### **Wheels not straight:**

Lift each wheel off the ground and spin them to see if they are crooked or out of round. If wheels are not straight, they will need to be adjusted. This is quite difficult and is best left to a bicycle specialist.

#### **Broken or loose spokes:**

Check that all spokes are tight and that none are missing or damaged. **Caution:** Such damage can result in severe instability and possibly an accident if not corrected. Again, bicycle specialist best handles spoke repairs.

#### **Loose hub bearings:**

Lift each wheel off the ground and try to move the wheel from side to side. **Caution:** If there is movement between the axle and the hub, do not ride the bicycle. Adjustment is required.

#### **Axle nuts:**

Check that these are tight before each ride.



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