

Currus NF User's Guide Table of Contents

01. Before Use	03
02. Product Components	05
03. Name of Each Part	06
04. Unpacking the Product	07
05. Folding and Opening	08
06. Basic Operations	09
07. How to Use the Dashboard	10
08. Caution and Instructions for Charging	14
09. Battery Safety Precautions	15
10. Periodic Inspection and Maintenance	16
11. Hard lock Nut Operation Sequence	18
12. Product Specifications	19
13. Buyer's Essential Checklist	20
14. Required Checklist Before Use	21
15. Product Warranty	22
16. Certificate of Warranty from the Place of Purchase	23
17. ICarbot Online Customer Service	25

What You Need to Know

This user's guide contains important information for safer product usage.

Failure to observe the instructions may result in property damage and serious injury.

For safe usage, danger, warning, and caution are indicated according to the degree of danger.



DANGER : A hazardous situation that could result in serious injury or fatal product failure if not avoided.



WARNING : A situation that could result in serious injury or product malfunction if the instructions are not followed.



CAUTION : A situation that may cause minor injury if the instructions are not followed.

Before Use



Please read the instructions carefully.

※ Even if the warranty period of the product has not yet expired, in the event of a safety accident due to any of the causes described below, services will be provided at a cost. Please check the notes carefully.

1. Safety Precautions



1. Water Caution

- This product is not waterproof. When it is snowy, freezing, or the the road is wet, do not use this product; also do not spray water to clean the product.
- Electronic devices and associated components such as motors, batteries, controllers, etc. can be seriously damaged, and malfunction or fire may occur. Damage caused by water will be repaired at a cost even if the warranty period has not yet expired.



2. Compliance with the relevant laws and regulations, safety coping ability needed

- All boarding products have risks and require safety coping ability. For the safety of passengers, helmet and protective gear must be worn, and the vehicle must comply with the Road Traffic Act (motorcycle license or above required).



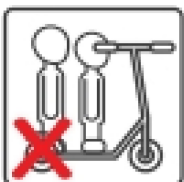
3. Do not disassemble or modify the product.

- Do not install accessories that are not allowed or modify the product for this purpose.
- Free warranty service will be unavailable if the product is modified arbitrarily.



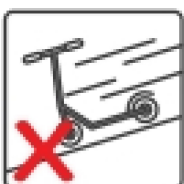
4. Due to the nature of the product, maintenance is mandatory.

- For safety, make sure that the vehicle is in the best condition for safety including tightness and brake status, and then board the vehicle.



5. No accompanied boarding

- Boarding of two people, such as children and babies, is not allowed. We are not responsible for any safety issues or damages arising from having other people board the product.



6. Do not accelerate downhill

- Do not press the accelerator lever since the braking distance becomes longer on a downhill road. When reducing the speed, use the brakes appropriately so that the brakes do not get overheated

Before Use



Please read the instructions carefully.

7. Do not apply the front brakes suddenly.

- Braking quickly during driving may cause overturning. To stop, use the rear wheel brake first, slowly reduce the speed, and stop safely without applying any artificial force.

8. Watch out for jamming with rotating parts and folding parts

- Take care not to touch the rotating parts or folding parts such as motors, tires, and wheel discs or have any part of your body such as fingers, hair, clothes, bags, etc. get caught in them.

9. Replace worn or damaged parts right away. Do not operate the product until the parts are replaced.

10. Do not rotate at excessive speeds; avoid dangerous driving such as stunts, jumps, and lifting of the front and rear wheels during driving.

11. If you lift the product by holding only the handles to move the product, the folding part may become deformed and cause injuries; be sure to hold the body with one hand and the handle area with the other hand to avoid straining your waist and knees.

2. Safety Precautions Before Driving

1. Avoid night driving; as a rule, be sure to wear helmets and other protectors (knees, elbows, hands, upper body, etc.) and drive safely.

2. Choose a driving mode that suits you. In order to cope with unexpected situations, it is necessary to practice slowing down gradually and stop the vehicle within the range that always allows braking.

3. During rotation, decelerate to avoid risk of overturning or slipping and check for any obstruction to make sure that it rotates safely and slowly.

4. Do not ride it at the place where it is slippery, traffic is congested, or sharply inclined, on pavement or roads where there is risk of accidents, or on uneven road surfaces.

5. At the crosswalk, get off from the product for pedestrian safety and do not drive on sidewalks.

6. Do not drive in a way that poses a threat to other means of transportation, such as animals, pedestrians, bicycles, motorcycles, cars, etc.

7. Always drive slowly and do not pass at high speeds on speed bumps or obstacles.

8. Do not use your feet when decelerating or braking; use the brakes appropriately.

9. Please note that there is risk of burns due to heat from the motor and brakes after driving.

10. Do not drive with one hand only or while using your mobile phone. Do not climb on or drive the product with the kickstands lifted.

Product Components

1. Guide to Components

Basic components : CURRUS body, user's guide

※ Exclusive charger is not included. (optional)

2. Product Size Guide



Name of Each Part

1. Handle Part



2. Front of the body



- | | |
|-----------------------------|-------------------------|
| ① Handles | (16) Folding Fixed Neck |
| ② Light Button | (17) Expanded Deck |
| ③ Horn Button | (18) Rear Mudguard |
| ④ Dashboard | (19) Rear Suspension |
| ⑤ Battery Voltage Indicator | (20) Caliper |
| ⑥ Drive Mode | (21) Swing Arm |
| ⑦ Power Key | (22) Kickstand |
| ⑧ Rear Wheel Brake Lever | (23) Charging Port |
| ⑨ Front Brake Lever | (24) Front Fork |
| ⑩ Stem | (25) Disk Rotor |
| ⑪ Headlight | (26) 10-Inch Tire |
| ⑫ Steering Frame | (27) Front Mudguard |
| ⑬ Front Suspension | |
| ⑭ Folding Pin | |
| ⑮ Steering Head | |

Unpacking the Product

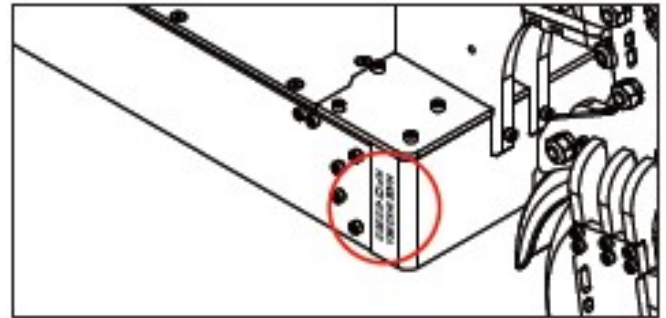
1. Taking out the Product

When taking out the product from the box:

- The product is initially in folded state. When lifting the product, hold the steering frame firmly with both hands and slowly pull it out. Do not hold the handle bar with one hand or forcefully lift the product.
- The Currus packing box should be used for courier service when warranty service is requested, so do not throw it away.

Check the serial number.

- Currus has a unique number for each chassis. It is used to confirm information such as the buyer's purchase history and warranty period and to respond quickly to service. You should check your serial number and complete the product registration on the Currus website (www.currus.co.kr).



Go to the product registration page QR code

2. Setting up the Handle Part



1. Initial state

- When opening the box for the first time, the handle bar is in disassembled state



2. Positioning the handle bar

- Place the folded handle bar on the steering frame



3. Putting up the handle bar

- Unfold the handle bar, hang the center holder, and lock it well.



4. Bracket assembly

- Place the supplied bracket and four bolts on the handlebar and fasten with a wrench

Folding and Opening

1. How to Fold



1. Press the unlock folding pin button

- While holding down the unlock button on the head of the folding pin, remove the pin.
(Be careful not to pinch your fingers accidentally when folding.)



2. Folding

- With the folding pin removed, slowly lower the steering frame.



3. Lock in the folding fix hole

- There is a folding fix hole at the overlapping area between the steering frame and the folding fix neck.
Attach the folding pin that you removed to the intersection hole to secure it.

2. Currus Folding and Opening Video

View the CURRUS NF folding and opening video

- You can easily find out more with the video that shows how to fold and open the body

* This video has been uploaded to the Currus brand website.
<http://www.currus.co.kr>



Basic Operations

1. Start

Turn ON the Key Box

- Plug the key into the key box and turn on power to Currus.
(Even if the key box is turned off, the headlights and taillights will still work.)

Turn ON the Throttle

- Press and hold down the power button (POWER) on the dashboard for about 3 seconds to activate the display.
Check the start mode of the throttle (kickstart mode, accelerator mode) and start driving slowly.

2. Stop

Rear Wheel Brake


- If you want to stop, use the rear wheel brake on the left-hand side first. Avoid sudden braking and drive safely by practicing slow stops.

Front Wheel Brake


- The right side of the handle with the throttle is the front wheel brake. If you use the front wheel brake abruptly without using the rear wheel brake, there is risk of overturning. Please use the rear wheel brake first whenever possible.

3. Turn on the Lights

Headlight & Rear Taillight

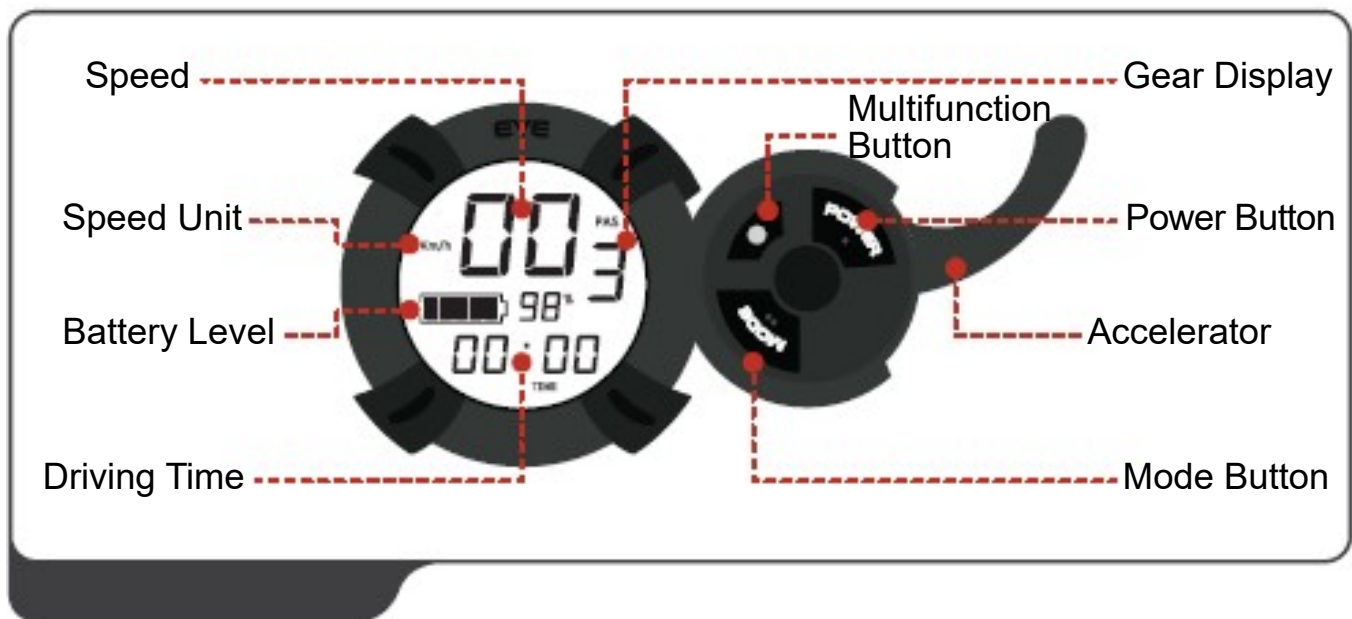
- The headlight and rear taillight of Currus are used by pressing the upper  button.
- Both are operated with one button.

4. Horn


- When using the horn, press and hold down the shaped  button.



How to Use the Dashboard (Throttle)



1. Gear Display

With power turned on, press the multifunction  button once briefly to switch the gear step. The higher the number of gears is, the faster the speed gets.

* If the remaining battery level is 10%, the gear display will blink slowly; if the remaining battery level is 0%, it blinks rapidly.

2. Multifunction Display Area


While power is on, briefly press the mode button once to change the mode.

- VOL : Real-time battery voltage (volts)
- TRIP : Current mileage
- ODO : Total mileage
- TIME : Operating time
- CHA : Not used




3. Detailed Dashboard Functions (P Value Setting)

Press and hold down the mode button for 3 seconds while power is on to activate the P value changing unit.

Press the multifunction  button once in the desired setting mode to change the detailed value.

 Any change in the mode out of the initial setting value may cause the product to malfunction. Take note of the initial settings or record them.

How to Use the Dashboard (Throttle)

P0	10 Do not change the fixed values	P1	60 Do not change the fixed values	P2	15 Do not change the fixed values
P3	0 Do not change the fixed values	P4	Speed Unit 0:km/h, 1:mp/h	P5	Starting method Initial Settings - 1: Kickstart
P6	Cruise Mode 0: Off, 1: On	P7	Safe start 5: Do not change the fixed values		
P8	Motor efficiency control 5 ~ 100% (fixed)	P9	Save battery 1: MAX, 2: MID, 3: NO		
PA	Electronic brake strength 0~5: Off ~ strong	Pb	LCD brightness 0 ~ 5: Off ~ Brightest		
PC	Automatic OFF reservation 1 ~ 30 minutes	Pd	ABS setting 0: Off, 1: Set		

4. Cruise Mode

The cruise mode function lets you maintain the driving speed automatically.

It reduces fatigue during long-distance driving and increases fuel efficiency by driving at constant speed.

- Execution : If the same acceleration is held for 7 seconds by the throttle after motor operation, the cruise mode is executed.
- Release : The cruise mode is released when the brake is operated.

* The cruise mode is executed only when the P6 value is set to 1 (operation) in the detailed function of the dashboard.



Before driving, make sure that the main fixed parts of the product including the folding part and the steering part are not loosened, there are no gaps, the fixing slide is completely in position, the folding pin is completely fastened, and the folding part is firmly fixed.

This will prevent accidents due to negligence.







Be ware of throttle malfunction!

Regardless of whether the throttle is operated or not, the motor sensor may continue to operate, resulting in malfunctions such as sudden unintended acceleration or interruption of motor operation. In this case, holding the brake lever to release the operation.

How to Use the Dashboard (Throttle)

5. Self-Diagnosis of Dashboard Abnormalities

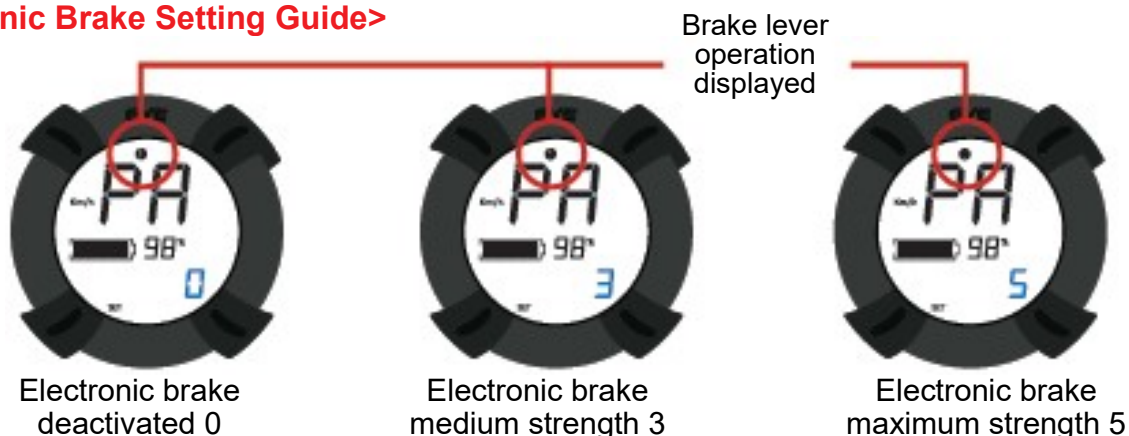
The current status is diagnosed through the symbol displayed on the throttle display screen.

		System error
		Displayed during brake operation (not an error)
		Motor error
		Accelerator error
		Controller error

! (exclamation point) sign is a symbol that is normally displayed when the brake is operated, indicating that the accelerator does not operate when the light is on.

* If a fault status code is displayed, stop using the product immediately and contact the dealer quickly so that you can receive proper repairs.

<Electronic Brake Setting Guide>



Do not use the electronic brake immediately after the battery is fully charged

When the battery is fully charged, the electronic brakes will not operate with a device equipped with an electronic brake.

The electronic brake will operate normally when the battery is used a little.

For safety, do not use the electronic brake in fully charged state; operate the electronic brake when more than 5% of the battery capacity is used.



Get the right position for driving

For safe driving, you must board in the correct posture.


Spread both feet forward and backward on the scaffold to assume a stable posture.

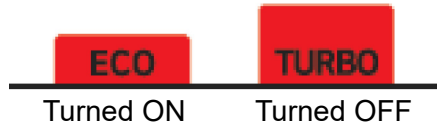
Do not put your feet on the rear guard, and do not combine both feet.



How to Use the Dashboard (Throttle)

6. Driving Mode Button Guide

 In Currus, there are buttons to select the low-speed(ECO)/high-speed(TURBO) mode.



7. ABS Function Setting Guide

What is the ABS (Anti-Lock Brake System) function?

This system helps you stop more safely without wheel lock and slip when sudden braking occurs. It has the advantage of shorter braking distance than the braking distance of normal brakes, and the vehicle body does not slide well when the wheels turn.

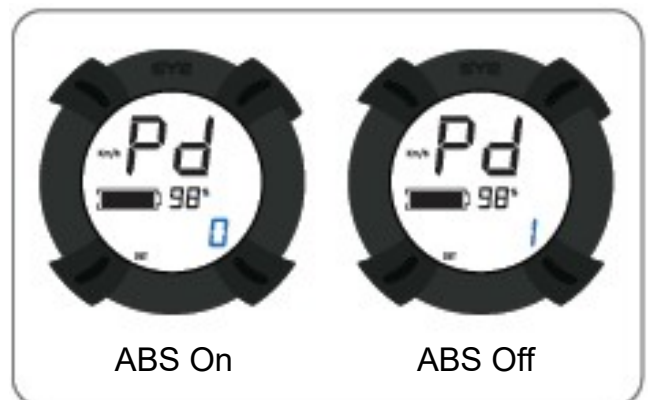
Currus is equipped with the ABS brake function for safer braking. It can be set in the throttle. Please read the instructions for safe braking thoroughly.

Turning on the ABS function

- Set the Pd value to 1 in the dashboard (throttle).

Turning off the ABS function

- Set the Pd value to 0 in the dashboard (throttle).



ABS Caution!

The ABS function operates based on the principle of repeatedly holding and releasing the brake several times for one second, which causes a lot of vibration in the motor and the body. This causes rapid repetition of vibration, which may cause the loosening of the fixing bolts of the motor, rim, fixing part, etc. When using the ABS function frequently, please check the bolts for loosening before boarding.

Caution and Instructions when Charging



Be sure to use a charger that meets the specifications.

If you use several non-standard chargers or a combination of different chargers with different battery voltages, the battery may not be fully charged, or the electrical system circuitry and the battery may sustain fatal damage.

Please stop charging after the green light of the charger turns on (charging completed).

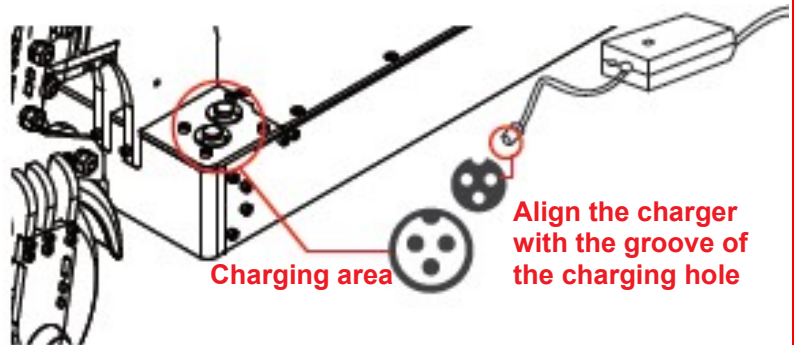
1. Basic Charging Method

After connecting the charger to the wall outlet, open the cap on the charging port and connect it to the charger connector.

Be sure to close the cap after charging.

Take care not to get any foreign substances into the charging area.

Red : Charging/Green : Charging complete



2. Notes and Instructions

- Manufacturers and distributors are not responsible for any problems caused by disassembly, modification, or use with other chargers.
- Using a charger that does not meet the specifications, using the charger simultaneously or with a combination of other chargers, or using an excessively fast charger may cause fire in the product.
- Do not use the charger in places with high humidity, open flames, flammable materials, confined spaces, or places with little or no ventilation, such as inside a vehicle.
- The charger is not a waterproof product. Do not allow water to enter the charger.
- Keep children and pets away from the charger (there is risk of safety accident in case of contact).
- If the charger lamp does not operate or the charger is dropped, or in case of strong external shock, long-time charge, or cable cover damage, discontinue use immediately and contact the service center.
- If you will be away for a long time, remove the charger power plug.
- Use only the original (exclusive) charger.
- Do not insert any foreign substances into the charging area.
- After unplugging the charger, do not touch the plug for about 10 seconds. There is a risk of electric shock from instantaneous discharge.
- Do not disconnect the terminal during charging. It may cause stress to the internal circuit of the charger and cause malfunction.
- For charging, the charging terminal should be in close contact. If the terminal is corroded or damaged, do not use the charger.
- When disconnecting the charger from the product, do not hold the wire; it is safe to hold the terminal when pulling it out.

3. Watch out for Short Circuit

- Watch out for short circuit : Be sure to avoid short circuit since the battery wiring is very dangerous if it short-circuits.
- Watch out for overcurrent : The battery of this product is automatically shut off to protect the battery if overcurrent of 100A or more flows.
- Watch out for low voltage : The battery of this product is designed to be shut off automatically when the voltage drops below 48V. Do not use the product under low voltage conditions. Please use after sufficient charging.

Battery Safety Precautions

This product is made up of several lithium-ion battery cells in series and parallel and is equipped with BMS (Battery Management System). It has functions such as overdischarge prevention, overcurrent shutdown, overcurrent charge cutoff, overvoltage charge cutoff, and cell balancing cutoff. Please take note of the following for proper use.

1. Maintenance

- Do not wrap or cover the battery pack or apply strong impact to it.
- Lithium-ion batteries should be carefully maintained to prevent direct exposure to children and pets.
- Store in a place where it is protected from direct sunlight for a long time and avoid high-temperature environments. The battery pack and protection circuit are vulnerable to moisture, so be sure to store in a dry, well-ventilated place (room temperature, 10~22 degrees).
- When storing for a long time, charge the remaining battery level to 70~80%. (Do not store the battery pack in fully charged state)
- Do not connect the charger in flooded condition and have it checked by a specialist.

2. Capability

- Due to the influence of external temperature, battery capability temporarily decreases in winter; driving distance and output may be different from normal temperature. When the weather gets warmer, it gets back to its original capability.
- When charging/discharging of lithium-ion battery pack is performed 300 times or more, discharge capability is reduced by 15% or more. If the battery usage time has been shortened due to prolonged use, we recommend replacing it with an original battery pack at a nearby branch store.

3. Charging

- Use only original batteries supplied by the manufacturer. Failure to do so may cause malfunction, fire, or explosion. Manufacturers and distributors are not responsible for any problems arising from using non-standard (third-party) batteries.
- Lithium-ion batteries should be charged within 0~45 °C and discharged within -10~60 °C. Failure to charge/discharge beyond this range may result in battery damage or deterioration.
- Charge in a well-ventilated place; charge in a place where there are no flammable materials near the charger. Charging after water has flowed in may result in fire or electric shock.
- Avoid direct sunlight in summer or storing or charging in very hot places such as car cabin or trunk.
- Avoid snow and rain in winter; do not charge immediately after driving but wait for 1~2 hours at room temperature before charging. If you enter a warm room from outside in winter, excessive condensation may occur due to internal condensation caused by the temperature difference.

4. Caution

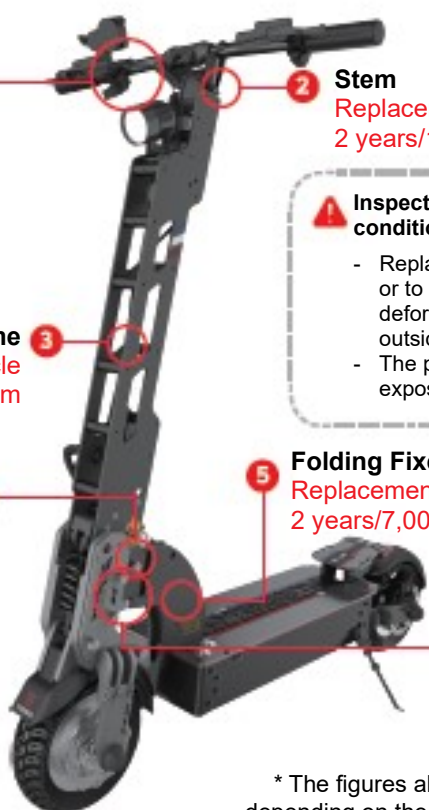
- If the protection circuit of the lithium-ion battery pack is damaged, leaky, smelly, or deformed, discontinue use immediately and contact the place of purchase to have it checked by a specialist.
- If overheating, smoke, or combustion is detected in the product equipped with lithium battery pack, stop using the product immediately, move the product outdoors as soon as possible, and use a fire extinguisher to put out the fire. Do not spray the water over the product or dip it in water to put out the fire.
- If the charging/discharging terminal is short-circuited, the polarity is changed, or any excessive external impact is applied, the possibility of malfunction and fire (ignition) is increased if the battery pack is damaged by electrode separation or short circuit.
- Several lithium-ion batteries are assembled in one pack and mounted on the electric kickboard. Driving dangerously while driving, jumping, or dropping on uneven bumpy road surfaces can strongly shock the battery pack.
- Do not disconnect the battery pack from the main body and also do not use it for charging or other purposes. If you need to remove the battery pack, get professional help.
- To dispose of the lithium battery pack, remove the battery pack from the product at the place of purchase or a nearby branch store so that the charge and discharge terminals are not short-circuited. Please dispose of it as industrial waste at the time of self-disposal.



※ **Battery disassembly, disassembly, and repair are not covered by the free warranty.**

Periodic Inspection and Maintenance

- !** To ensure safe driving and to prolong the life of Currus, maintain as follows:
The life span of each part varies depending on the driving habits and environment; parts exceeding their lifetime may cause accidents.
We recommend inspecting the following items at least once a month:



Folding Handle Bar
Replacement cycle
2 years/7,000km

Stem
Replacement cycle
2 years/10,000 km

Steering Frame
Replacement cycle
2 years/10,000km

Steering Head
Replacement cycle
2 years/7,000~10,000km

Folding Fixed Neck
Replacement cycle
2 years/7,000~10,000km

Suspension Link
Replacement cycle
2 years/20,000km

! Inspect outer damage due to the driving conditions

- Replace the parts that are likely to be cracked or to have their life span expirer due to deformation or pressure to the product from outside driving conditions.
- The product may be discolored from long exposure to sunlight.

! Bearings are consumable parts and are excluded from the warranty parts.
The bearing life depends on personal care such as cleaning, degreasing, and greasing depending on the driving environment

* The figures above are not absolute figures, but may vary depending on the user's driving pattern and use environment



1. Brake Adjustment Method

Hydraulic disc brakes move the piston by using the pressure of the brake fluid in the hose, and braking force is obtained by friction between the pad and the disc rotor. If you do not have enough braking power, fill with oil (mineral oil) through bleeding. If there are air bubbles in oil, the braking power will be weak. Thus, bleeding work should be done by removing the air bubbles. If the braking power is weak due to loose levers, damaged hoses, or oil leaks, stop using it and take action at the service center.



2. Tire Replacement Method

Remove the tires, tubes, and wheel motors from the chassis thoroughly, and then replace the puncture of the tube well or replace it with a new tube and assemble the tire in reverse order. After assembling the tire, tighten the screws and bolts to fix it to the body. (Note: After changing tires, try a simple test run with proper air pressure of 45 ~ 50 psi.)



3. Causes and countermeasures of disc brake noise

The disc brake method has good braking power, and many electric kickboards use disc brakes. If you hear a sharp "hissing" sound when holding the disc brakes, dust or sand on the ground will issue out of the brake pads or surfaces because of foreign substances on the braking pad or surface. If this happens, simply clean the inner surface of the disc with a clean, dry cloth by turning the wheels to resolve the braking sound.

Periodic Inspection and Maintenance



4. Throttle

- Make sure that the accelerator throttle lever is in normal operation before driving. When pulling or releasing the throttle lever, bending and manipulating with your fingers or applying more force than required may cause breakdown of vehicle or lever, so it must be operated smoothly. For safety, motor power is automatically shut off during brake operation. If the accelerator throttle lever does not return to the home position, or if there is a problem such as breakaway, however, operate brakes and stop immediately. Be sure to turn off power while holding the brake and have it inspected.
 - Inspect or replace if abnormal symptoms (such as large gaps) occur or strong impact is applied to the throttle.
 - We recommend checking the throttle and casing fixing bolts for loss or looseness.
-



5. Folding Handle Bar

Check for worn or cracked, bent, crushed, or corroded areas. Do not try to remove the bent handle bar forcibly. If you receive strong external impact on the handle bar, replace it immediately with a new one. Make sure that the folding part is fastened properly. Check the inside tongue bolt of the folding part regularly and replace it with a new bolt when it is worn out.



6. Brake Lever

- Please use after checking or replacing following strong impact such as large gaps or drops.
 - If the motor cut-off wiring is damaged, and the motor power cut-off operation is faulty, be sure to use it after taking measures.
 - Take care not to loosen the nut connected to the brake line since it may leak oil.
 - Always check if there is enough braking power before driving. Take measures if it is not enough.
-



7. Brake Cable

- Check the lever and hydraulic hose for damage, outside deflection, leak, etc.
 - Check the nipple tightness of the lever and caliper and oil leak.
-



8. Steering Head

The steering shaft is a key part of the steering of the electric kickboard, like a bicycle headset. The steering shaft is connected to the steering tube, folding part, and front suspension. Special inspection is required. As with other parts, check for cracks, dents, paint discoloration, etc. If there is strong impact, replace it with a new one.



9. Steering Frame

Check the steering shaft at the bottom of the steering tube and the welded part (bearing cap) for cracks, corrosion, friction, bolt loosening, etc. and replace the affected part when the frame is deformed due to impact.



10. Folding Fixed Neck

The folding part should be checked for cracks or dents caused by external force. Stop driving when a gap occurs and check the bolt and nut for tightness.

Periodic Inspection and Maintenance



11. Folding Pin

The folding pin should be wiped if there are foreign substances; if there is any foreign material inside the oilless bearing, use an air gun or a cotton swab to clean it.



12. Front Fork

In case of direct impact during driving or while moving or storing, you should inspect the part. In the event of cracking or warping, the part must be replaced. The motor shaft and the fixing part must also be checked at all times for any loosening.




13. Rear Suspension

The rear suspension requires tension adjustment in accordance with your weight. The tension can be adjusted by loosening or tightening the suspension and tightening the nut. If the tension is loosened excessively, and the suspension shaft absorb shock more than the travel, the suspension or its connecting parts may be damaged.


Hard lock Nut Working Sequence (Please Read) !

Currus NF uses the hardlock nuts of Korea Hardlock Industry Co., Ltd. Please familiarize yourself with similar products and know the correct order of operation, so that you can use the hard lock nut that boasts of super strong loosening prevention system for safer and longer use.




1. After inserting the bolt into the member, insert the  nut into the bolt and tighten it by hand.






2. Tighten the  nut by using a spanner. Generally, sufficient tightening force can be applied with a spanner.

※ Please use a spanner.





3. At this time, the tightened  nut will have the same strength as a normal nut.





4. Next, tighten the  nut by hand. At this time, check that there is a one pitch gap in the  nut and the  nut.



5. Tighten the  nut using the same method as the  nut. There is more locking force than it is required.

※ Please use a spanner.



6. There are cases wherein the  nut and the  nut are in close contact with each other or not; However, in both cases to prevent it from getting loosened.

Product Specifications

Product Name	CURRUS NF	Details
Motor Type	MAX 3600W BLDC DUAL HUB MOTOR	
Battery	Lithium Ion Battery Pack	SAMSUNG SDI
Battery Capacity	60V 28Ah	
Product Weight	37Kg	
Driving Distance	100Km ~ 120Km	KCL-Certified Test: Weight 75kg, 20km/h, based on flatland continuous driving
Maximum speed	25km/h (statutory speed limit)	Dashboard speed control and drive mode button provided
Back plate angle	Approx. 47% (approx. 25° based on the tilt angle)	Depending on the passenger's weight, road conditions, etc
Maximum load	120kg (100kg recommended)	
Charging time	28Ah: 16Hr + based on 1.7A charger use 35Ah: 20Hr+ based on 1.7A charger use	
Brakes	Front/Rear wheel hydraulic disc brakes	
Suspension	Front/Rear wheel hydraulic suspension	
Tires	10×3.0 road tires	
Dashboard	Multi-EYE LCD dashboard (detection-type throttle)	
Product material	Frame and handle aluminum 60/EGI/ Cover: Polypropylene / Shafts: SUS304	
Expanded size	1270×680×1260	Length×width×height (mm)
Folded size	1270×680×500	

※ The product specifications above are subject to change without notice to improve product quality and stability.

※ The weight of passengers in the mileage item is 75kg, 20km/h based on flatlands; the figures may change when the conditions change. (Conditions applicable to : driving conditions such as boarding load, atmospheric temperature, wind direction (wind speed), road surface condition, slope degree, tire condition, etc.)

Buyer's Essential Checklist

- ▶ If you received the product by courier, please keep the product box for future warranty service.
- ▶ You need to present the certificate of warranty when requesting warranty service.
- ▶ You can use ICarbot's products like cars or motorcycles. After the products are assembled or used, they cannot be exchanged, returned, or refunded. (Except when there is a problem with the product.)
- ▶ In case of damage during delivery, please check such damage on the receipt date and contact us. In case of damage during transportation afterward, the dealership will not be held responsible. (During holidays or after working hours, please post the issues on the online bulletin board of our website.)

1. Warranty Rules

- Regarding this product, visiting the branch store of the place of purchase is a rule for warranty service. Therefore, in case of purchase, we recommend you to buy it at a nearby location where visiting is convenient. Courier service is also available when you cannot visit. (When sending out via courier service, please contact the branch office or the headquarters. You will be responsible for the return and return shipping costs incurred.)

Warranty service at a cost	Free warranty service
<p>1. Out-of-warranty failure</p> <p>2. Within the warranty period</p> <ul style="list-style-type: none"> - Consumables (tire, tube, brake pads, various cables) - Failure caused by customer's carelessness - Damage and breakdown due to transportation, movement after taking the product to the consumer - Any change, modification, or damage to the components of the product at any repair shop. - Failure due to natural disasters such as fire, flooding, inundation - Without warranty certificate 	<p>1. Within the warranty period</p> <ul style="list-style-type: none"> - Chassis: 1 year - Core parts: 6 months (motor, battery pack, controller, throttle) - General parts: 3 months - Based on the sales (purchase) date on the warranty certificate - If the warranty is lost, it is based on the date of production. <p>2. Warranty for Lithium battery pack (6 months)</p> <ul style="list-style-type: none"> - Within 300km: Free - Less than 300Km ~ 3,000Km: Chareable (10,000 won per 100Km) - Over 3000 Km or flooding: Chargeable

* Indication by quality management and industrial safety management law

2. Guide to Item Exchange & Return

- In case of simple returns, returns and cancellations must be made within 7 days of the date of receipt of the product in unopened box state; only one return is allowed for the product received by the seller. If the product is returned without notification, it will be sent back to the buyer; all shipping charges incurred will be borne by the customer. Please contact the person in charge at the time of request.
- As mentioned above, ICarbot's products cannot be resold if the packaging is damaged and the product has been assembled or used, so they cannot be exchanged or refunded after use.

Required Checklist before Use

Always check before use.

<p>Make sure there are no loose parts</p> <ul style="list-style-type: none"> - Check the front fork, rear swing arm, and front/rear wheel suspension bolts as well as nut loosening. 	✓
<p>Check the tire condition</p> <ul style="list-style-type: none"> - Turn the wheels slowly to check for cracked areas on the tire tread and sides. - If there is no damage to the tire, make sure the correct air pressure is set. (The proper air pressure is 50 psi.) - It is difficult to check the correct air pressure value at normal times. When it is the proper air pressure, remember the feeling by hand. 	✓
<p>Check the wheel condition</p> <ul style="list-style-type: none"> - Turn the wheel slowly and check the break interval and left/right swing. If there is friction or contact on the brake pads, install the wheel correctly. - Check the fitting condition of the motor axle washer; do not tighten the motor fixing axle nut too tightly. (Loctite is available to prevent loosening. Do not tighten the screws excessively.) 	✓
<p>Check the brake status</p> <ul style="list-style-type: none"> - Check the operation status to see if there is enough braking force. If the braking force is significantly lowered, inspect and take measures immediately. - Check for brake pad wear, residual brake fluid, and leaks. - Check the brake cable, wear condition, deformation, etc. if there is a feeling of being caught or any operating noise. - Make sure that the bolts and nuts of the brake fixing parts are not loose, and that the disc is neither deformed nor damaged. 	✓
<p>Check the throttle and handle bar/stem alignment status</p> <ul style="list-style-type: none"> - After mounting the chassis well, operate the accelerator throttle lever 2 to 3 times to check whether it returns to the original position. - Sudden bouncing and manipulation of the throttle can cause malfunction due to damage to the internal parts. - Make sure that the handle bar and stem are properly secured parallel to the center line of the electric kickboard. - Check the tightening condition of the steering frame and the gaps. 	✓
<p>Check if the seating is fixed</p> <ul style="list-style-type: none"> - If the saddle is mounted, shake the saddle mount to see if it is securely fastened and check the tightness of the clamp. 	✓
<p>Check the lamp lighting status</p> <ul style="list-style-type: none"> - Check whether the headlights, taillights, etc. are working. 	✓
<p>Confirmed</p>	✓



In any of the cases below, stop driving immediately and visit your nearest dealer. (Please attach photographs, videos, etc. for accurate diagnosis.)

- | | |
|--|--|
| <ul style="list-style-type: none"> - Unusual heat of motor - Abnormal noise generated - Braking error - Situation such as rain or wet with water | <ul style="list-style-type: none"> - Smoke, ignition, abnormal odor from the product - The dashboard displays an unknown error. - The throttle does not return to the original position - When there is no buffer, or the distance driven after buffering is significantly reduced |
|--|--|

Certificate of Warranty

- ▶ When you need repairs, you must present this certificate of warranty together with the date of purchase.

Please do not lose this user's guide containing the certificate of warranty.

Certificate of Warranty

Products delivered to you by ICarbot may be repaired for free in case of defects in materials and workmanship that occur during the warranty period under normal use and proper maintenance conditions, such as initial defects and other defects.

Product Name	CURRUS NF		
Serial Number		Date of Purchase	Date Month Year
Dealership	(store name/contact)		
Customer Information	Name		
	Contact Information		

※ Upon purchasing the product, please fill out the fields below. (The warranty period is based on the date of purchase. If omitted, it is based on the production date (manufacturing date).)

When requesting warranty service, please present the certificate of warranty.
In principle, this product is based on repair visit;
round-trip courier service fees will be charged in case of courier request.

Warranty service at a cost	Free warranty service
<p>1. Out-of-warranty failure</p> <p>2. Within the warranty period</p> <ul style="list-style-type: none"> - Consumables (tire, tube, brake pads, various cables) - Failure caused by customer's carelessness - Damage and breakdown due to transportation, movement after taking the product to the consumer - Any change, modification, or damage to the components of the product at any repair shop. - Failure due to natural disasters such as fire, flooding, inundation - Without warranty certificate 	<p>1. Within the warranty period</p> <ul style="list-style-type: none"> - Chassis: 1 year - Core parts: 6 months (motor, battery pack, controller, throttle) - General parts: 3 months - Based on the sales (purchase) date on the warranty certificate - If the warranty is lost, it is based on the date of production. <p>2. Warranty for Lithium battery pack (6 months)</p> <ul style="list-style-type: none"> - Within 300km: Free - Less than 300Km ~ 3000Km: Chargeable (10,000 won per 100Km) - Over 3000 Km or flooding: Chargeable

* Indication by quality management and industrial safety management law

Certificate of Warranty from the Place of Purchase

Please check the Personal Information Collection and Use Agreement and fill out the form on the back. Fields marked with (●) are required fields.

(For reseller submission)

Agreement on Personal Information Collection and Use

● Purpose of Collecting and Using Personal Information

1. Warranty processing for providing warranty service
2. Product and warranty satisfaction survey and customer management
3. Marketing leverage
 - Events, providing product information and participation opportunities, surveys

● Items of Personal Information to be Collected

1. Required items: Name, email, date of birth, address, mobile phone number
2. Optional items: Sex, phone number, usage, vehicle information (model name, registration date, chassis number)

● Retention and use period of personal information

1. Records of service delivery: 2 years after service termination
2. Records of customer satisfaction surveys: 2 years
3. Records on customer management (consumer complaints and dispute settlement): 2 years
4. Information for marketing use: 2 years from the date of collection

● You have the right to withhold consent to the collection of personal information.

Note, however,

1. that withholding the required consent may limit the warranty processing.
2. If you withhold optional consent, service deliveries such as events and product information will be limited.

Note) Please check the following items for collecting and using your personal information in accordance with Article 15 of the Personal Information Protection Act:

- Personal information collection consent (required) agree disagree
- Marketing use consent (optional) agree disagree

Date, Month, Year

Name:

(Signature)

Certificate of Warranty from the Place of Purchase

(For reseller submission)

Customer	● Name		● E-mail	
	● Date of birth		Sex	
	● Address			
	Phone number		● Mobile phone number	
Purpose of Use	<input type="checkbox"/> for school commuting <input type="checkbox"/> for work commuting <input type="checkbox"/> Short-distance movement <input type="checkbox"/> Leisure <input type="checkbox"/> Rural <input type="checkbox"/> Delivery <input type="checkbox"/> Business <input type="checkbox"/> Quick service <input type="checkbox"/> Traditional market <input type="checkbox"/> Others ()			

Model name		Registration date	Year Month Day
Chassis number			

Pre-sale inspection	- Brake (operation, gap) - Handle steering device - Ramp/ Bolt, nut tightening condition - Start condition - Painting, plating damage, tarnish - Tire check (air pressure, alignment status)
---------------------	---

- accept the contents of the warranty and receive the instruction manual and product warranty.
- have checked this product, confirmed that there was no abnormality in the equipment and appearance, and received instructions from the retailer on how to operate it and use it safely.

Customer signature	(signature)
--------------------	-------------

Authorized dealer	Branch name		Code number	
	Representative	(signature)		
	Address			
	Phone number			

- Please be sure to submit the certificate of warranty. If you fail to complete the certificate of warranty, you may not be able to receive warranty repairs.

ICarbot Online Customer Service

1. Currus Brand Website

- ▶ Currus brand website <http://www.currus.co.kr>

Sign up for membership-> Product registration> Please leave your inquiries at the Q&A bulletin board and warranty service receipt bulletin board.

The person in charge will contact you.

2. Phone Consultation

- ▶ Phone consultation : +82 32-715-8404

Hours: 10 am to 6 pm (closed on weekends and holidays)

Lunch break: 12:30 to 13:30 (connection may be delayed during lunch break.)

CURRUS® NF



Model Name: CURRUS NF / Product Name: Skateboard (Electric Kickboard)

Safety confirmation number : B321D001-19001

EM certification number : R-R-Ute-currusNF

Manufacturer : u-Tech Co., Ltd.

Use age : 18 years old or more / maximum load : 120Kg / manufacturing year : 2019.

MADE IN KOREA



81-10, Aenggogae-ro 815beon-gil, Namdong-gu, Incheon, Republic of Korea
Phone number : +82 32-715-8404