



## **ELECTRIC WHEELBARROW**

**NEXO8B**

**USER GUIDE**

**CAUTION:** Read this manual before using this machine!

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# 1. SAFETY INSTRUCTIONS

## 1.1 Intended use

The machine must only be used for its intended purpose! Any use other than listed in this manual is deemed misuse. To use the machine properly you must observe and follow all safety regulations, the assembly instructions, operating and maintenance instructions described in this manual.

All users of the machine must be acquainted with this manual and must be informed about the machine's potential hazards.

The machine is used for transportation of goods within the maximum permissible load capacity.

**Speed Barrow and its sales partners cannot be held liable for any direct or indirect damage caused by manipulation or misuse of the machine and or its parts.**

### WARNING



**The removal or modification of the safety components may result in damage to equipment and serious injury!**

**HIGHEST RISK OF INJURY!**

## Ambient conditions

The machine should be operated:

humidity	0% to 70%
temperature	0°C to 40°C (32°F to 104°F)

The machine, especially the battery may not be exposed to a temperature of greater than 40°C.

## Prohibited use:

- The operation of the machine outside the technical limits described in this manual is prohibited.
- The operation of the machine without protective devices is prohibited.
- Using the machine for unintended use other than what it is designed and outlined in this manual is prohibited.
- Any manipulation of the machine and parts is prohibited.

## 1.2 Security instructions

Missing or non-readable security stickers should be replaced immediately!

The locally applicable laws and regulations may specify the minimum age of the operator and limit the use of this machine!

To avoid malfunction, machine defects and injuries, read the following security instructions:


### GENERAL:


- Use the machine only in good enough light to allow visibility and safe operation.
- Use of the machine is prohibited during episodes of exhaustion, decreased concentration or under the influence of alcohol or drugs.
- Caution in slippery conditions! Slip hazard-risk of injury. When operating the machine, it is suggested to wear non-slip footwear.
- The machine must be operated by trained personnel.
- Use both hands while operating the machine.
- The instruction manual must stay with the machine, and must be given to the third party if transferred.


- A safety check must be performed on the machine before each use.
- Take caution when operating the machine near pools, ponds or any body of water.
- The machine should not be operated in rain, damp or wet areas.
- Unplug the battery before changing any settings or performing any maintenance.


### 1.3 Remaining risk factors

Despite the intended use, certain residual risks remain. Due to the design and construction of the machine, hazardous situations may occur which are identified as follows in these operating instructions:

<b>DANGER</b>	
	A safety instruction designed in this way indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

<b>WARNING</b>	
	Such a safety instruction indicates a potentially hazardous situation which, if not avoided, may result in serious injury or even death.

<b>CAUTION</b>	
	A safety instruction designed in this way indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

<b>NOTICE</b>	
	A safety note designed in this way indicates a potentially dangerous situation which, if not avoided, may result in property damage.

Irrespective of all safety regulations, your common sense and your corresponding technical suitability/training are and will remain the most important safety factor for error-free operation of the machine. **Safe working depends first and foremost on you!**

### 1.4 SAFETY INSTRUCTIONS FOR BATTERIES AND CHARGER

#### Battery:

- Never attempt to open for any reason.
- Do not store in locations where the temperature may exceed 40°C (104°F).
- The recommended ambient temperature range for the charging system during charging is 4°C to 40°C.
- The recommended ambient temperature range for tool and battery use is -5°C to 40°C.
- Charge only using the charger provided with the tool.
- Store your batteries in a cool dry place (5°C-20°C/41°F-68°F). Never store batteries in discharged state.

- It is better for Li-ion batteries to discharge and reload them regularly (at least 4 times a year). The ideal charge for long-term storage of your Li-ion battery is 40% of capacity.
- When disposing of batteries, follow the instructions given in the section “Protecting the environment”.
- Do not cause short circuits. If connection is made between the positive (+) and negative (-) terminal directly or via accidental contact with metallic objects, the battery is short circuited and an intense current will flow causing heat generation which may lead to casing rupture or fire.
- Do not heat. If batteries are heated to above 100°C (212°F), sealing and insulating separators and other polymer components may be damaged resulting in electrolyte leakage and/or internal short circuiting leading to heat generation causing rupture or fire. Moreover do not dispose of the batteries in fire, explosion and/or intense burning may result.
- Under extreme conditions, battery leakage may occur. When you notice liquid on the battery, proceed as follows:
  - ✓ Carefully wipe the liquid off using a cloth. Avoid skin contact.
  - ✓ In case of skin or eye contact, follow the instructions below:
    - Immediately rinse with water. Neutralize with a mild acid such as lemon juice or vinegar.
    - In case of eye contact, rinse abundantly with clean water for at least 10 minutes. Consult a physician.



Fire hazard! Avoid short-circuiting the contacts of a detached battery. Do not incinerate the battery.

### **Charger**













- Use the charger provided with the tool only to charge the battery.
- Never attempt to charge non-rechargeable batteries.
- Have defective cords replaced immediately.
- Do not expose to water.
- Do not open the charger.
- Do not probe the charger.
- The charger is intended for indoor use only.
- This charger can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way

and understand the hazards involved.

- Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

**CAUTION:** Do not recharge non-rechargeable batteries.

**1.5 SYMBOLS**

	<p>Conforms to relevant safety standards.</p>
	<p>To reduce the risk of injury, the user must read and understand this manual before using this product.</p>
	<p>Do not dispose of old appliances with domestic rubbish.</p>
	<p>Class II, double isolation (only for charger).</p>
	<p>Battery and charger to be used indoors only.</p>
	<p>Type of fuse.</p>
	<p>Type of Connection. Do not expose batteries to temperatures exceeding 40 degrees.</p>
	<p>Do not dispose of batteries in fire. They could explode and cause injury.</p>
	<p>Do not dispose of batteries in water.</p>
	<p>Recycling.</p>
	<p>Warning! Prohibit high-pressure water gun flushing.</p>
	<p>Wear foot protection!</p>

## 2. THE PRODUCT



### 1.1 Description



1	Tray	2	Battery box support
3	Battery box	4	Left handle
5	Handle grip	6	Right handle
7	Speed control lever	8	Steering system with rear wheels
10	Front frame	11	Tyre 5.00-8
12	Motor	13	Front tray support

### 1.2 Technical data

Model	NEXO8B
Rated voltage	40 V $\overline{\text{---}}$
Battery capacity	4 Ah
Max Battery work time	4 hours
Motor power	280 W
speed	max.forward 6 km/h reverse 2 km/h
max. load capacity	260kg
weight (netto/net)	33.5 kgs
Dimension	1575x715x885 mm
Charger:	
TYPE	FCR20V
Input voltage	220-240 V~ 50-60 Hz
Power	65 W

Output	21 V  2.5A
Charge time	2 h
Protection class	II
Battery:	
TYPE	FB4A
Rated voltage	20 V 
Battery capacity	4 Ah
Battery power	80Wh
Weight	0.7kg
Dimension	130x80x75 mm

## 3. ASSEMBLY

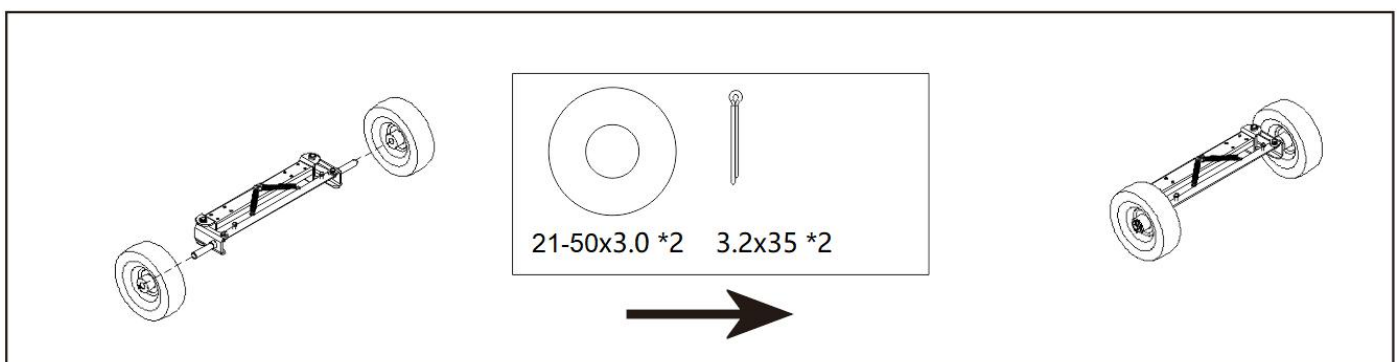
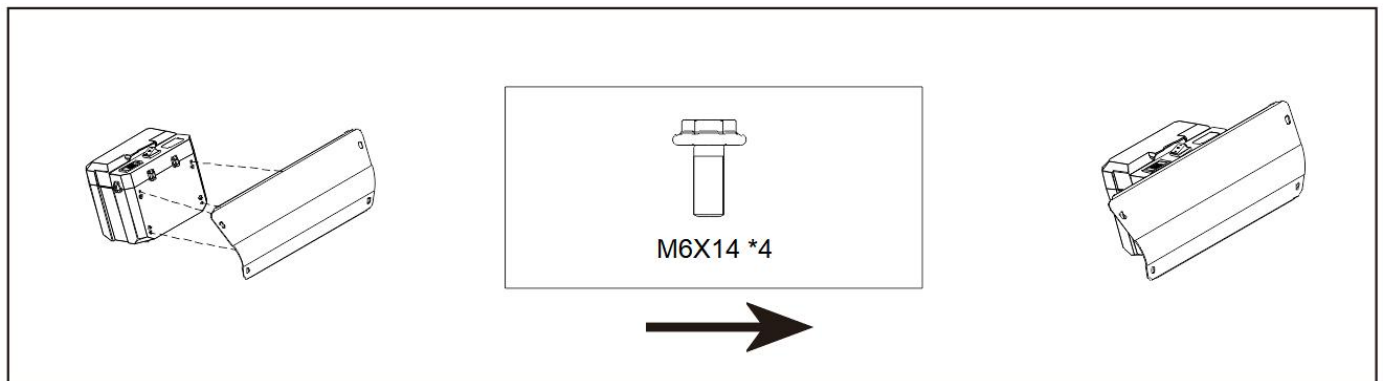
Please check the product contents immediately after receipt for any eventual transport damage or missing parts. Claims from transport damage or missing parts must be placed immediately after initial machine receipt and unpacking before putting the machine into operation. Please understand that later claims cannot be accepted.

### NOTICE

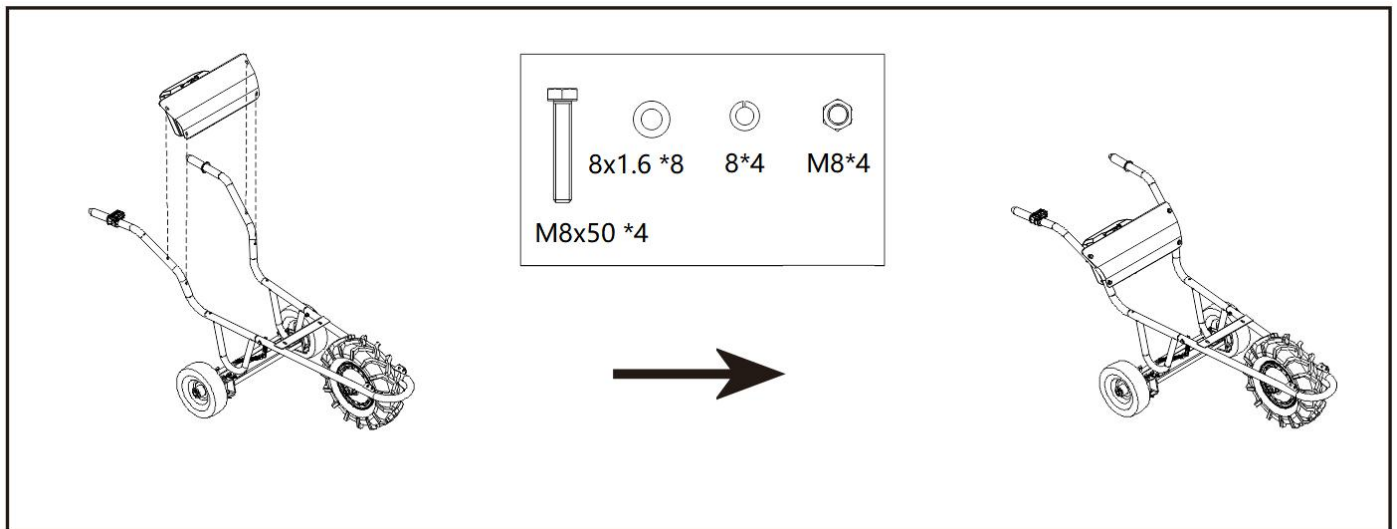
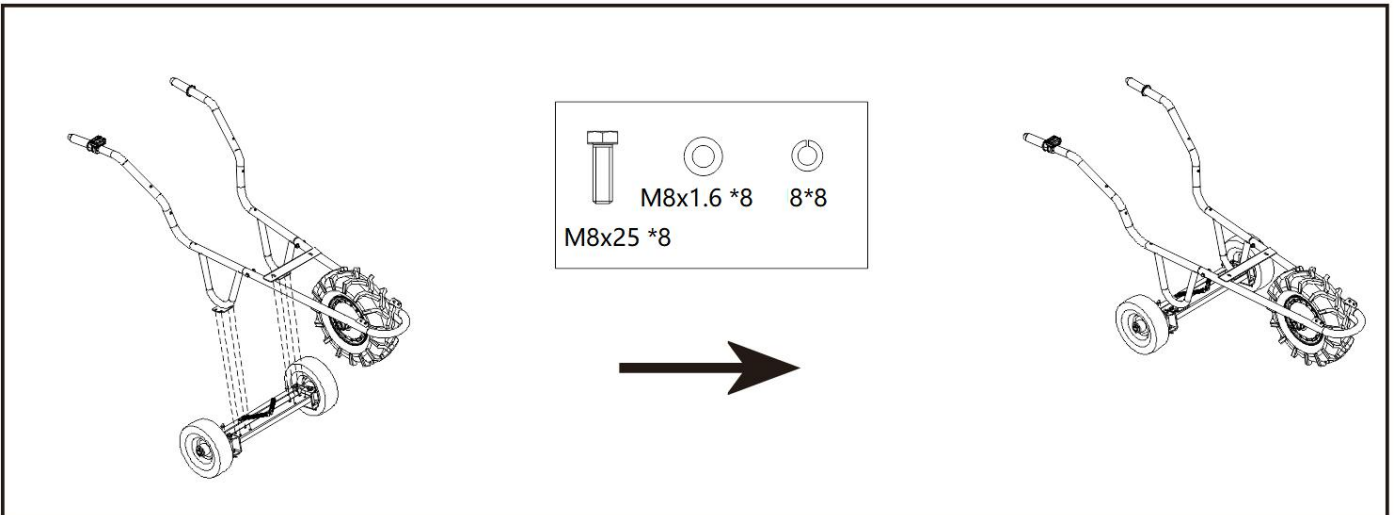
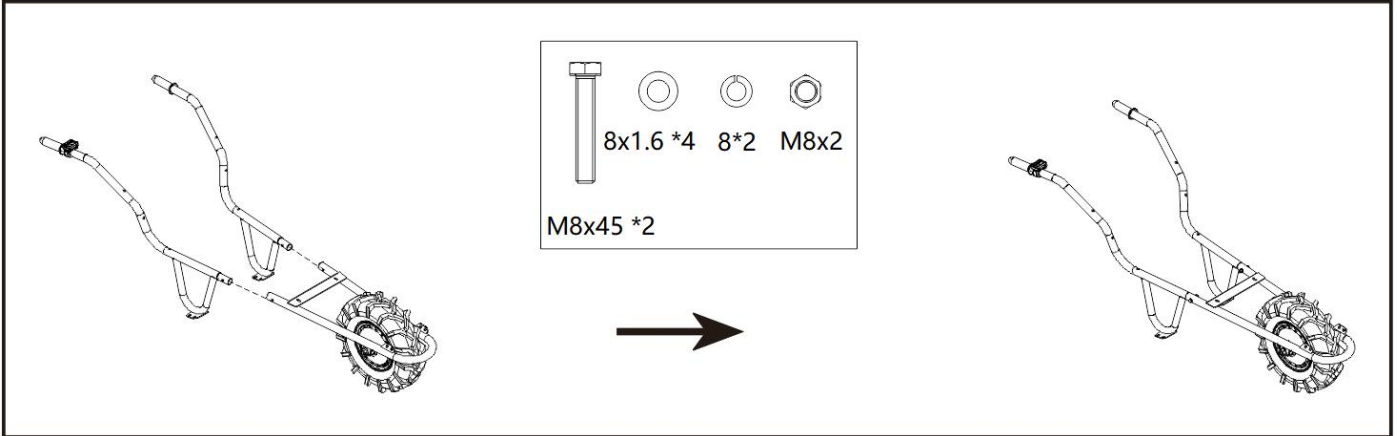
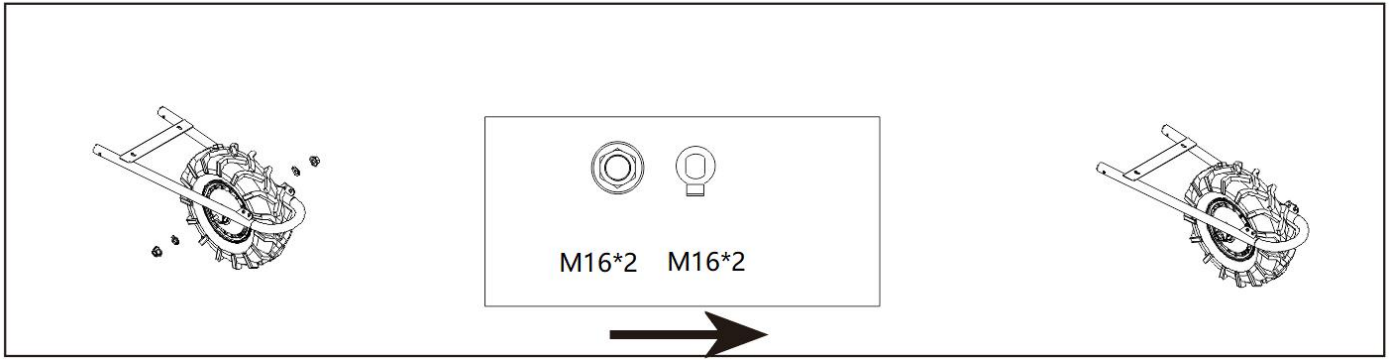


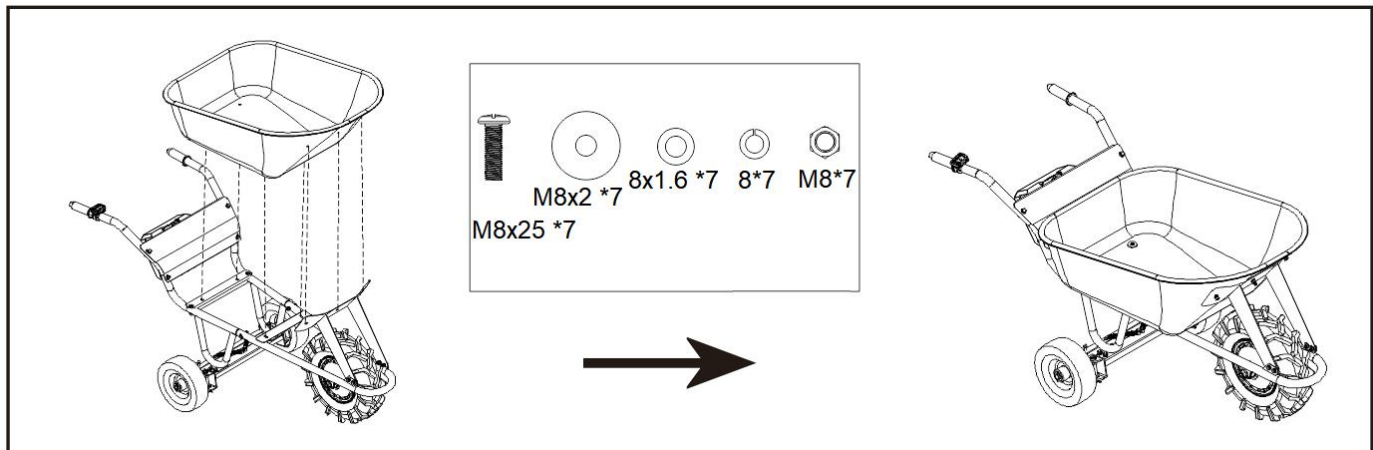
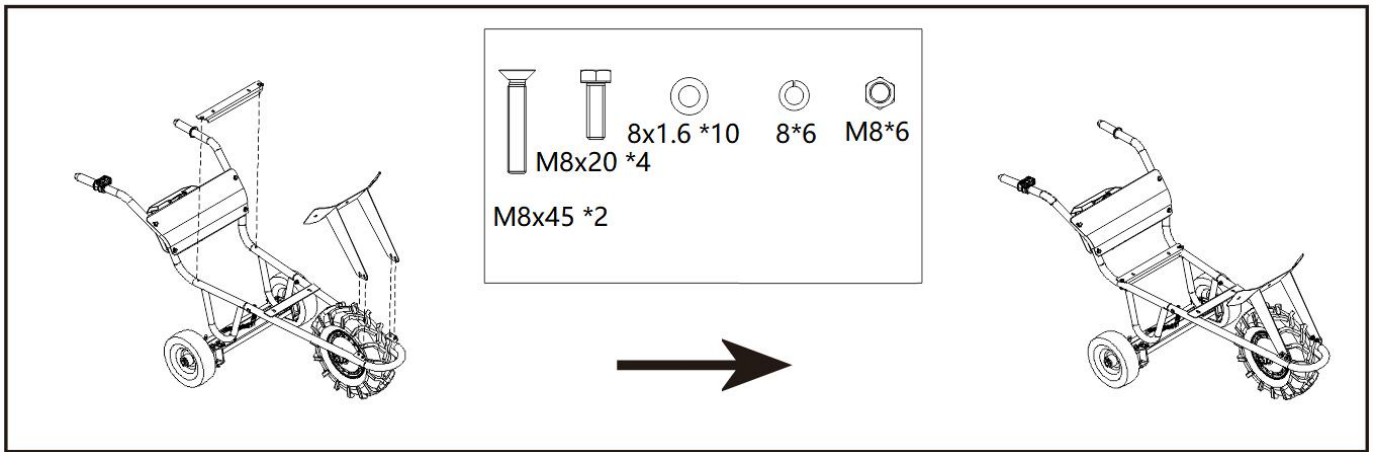
Don't fully tighten all screws until assembly is complete.

### 3.1 Assembly-steps



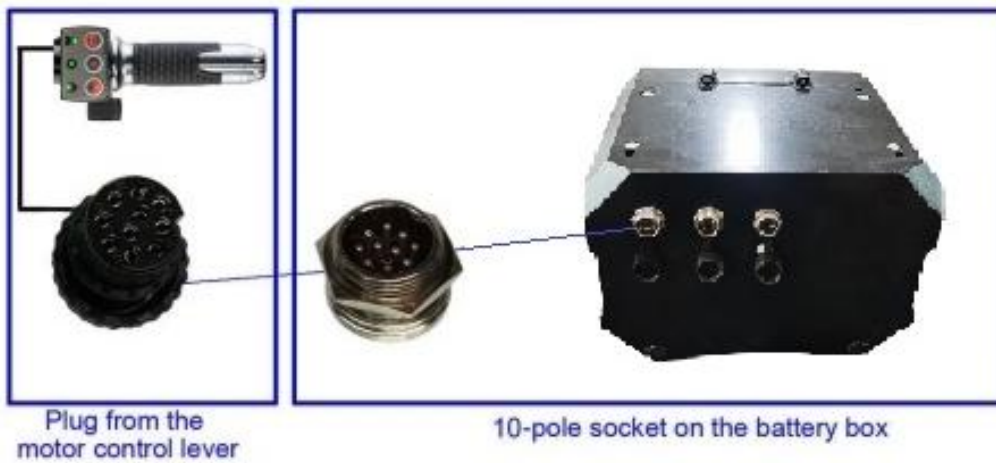




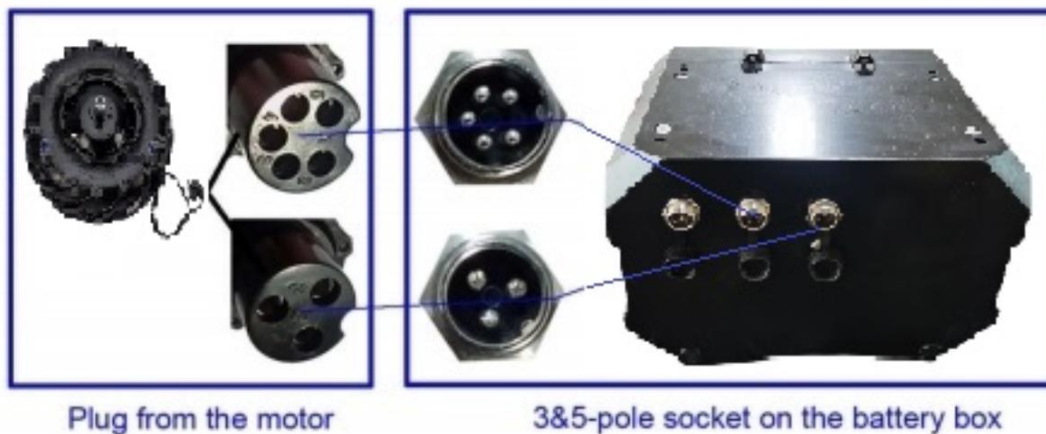


### 3.2 Assembly-steps for cable

#### 3.2.1 Connect control lever cable (10pin plug & socket)



#### 3.2.2 Connect motor cable (3&5 pin plug&socket)



**Warning:** Only nut #1 is allowed to be turned in order to fasten or unfasten the plug, nut #2 is prohibited to be turned otherwise for professional repair.



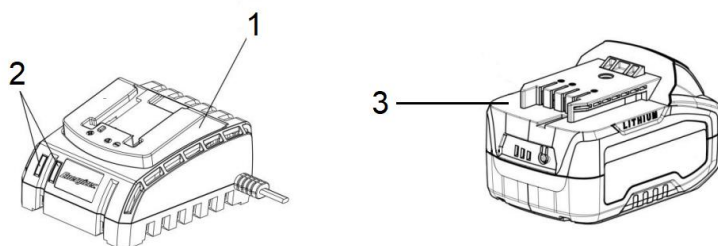
## 4. OPERATION

The machine must be operated in a perfect state only. Inspect the machine visually every time it is to be used. Check in particular the safety equipment, electrical controls, electric cables and screwed connection for damage and if tightened properly. Replace any damaged parts before operating the device.

### 4.1 Charging the battery pack

**!** **IMPORTANT:** The battery pack is not fully charged at the factory. Before attempting to charge them, thoroughly read all of the safety instructions.

- Assure that the charger you use is applicable to the battery pack.
- Insert the charger into 220-240V~, 50-60Hz outlet. The indicator light (2) become to green to show the power is connected.
- Insert the battery (3) into the slot of the charger (1). Make sure the contact with the charger is correct.
- When charging, the indicator light (2) become to red.
- When the battery pack is fully charged, the indicator light (2) become to green.
- Frequently monitor the charger and battery pack while connected.
- Unplug the charger and disconnect it from the battery pack when finished.
- Allow the battery pack to cool completely before using it.
- Store the charger and battery pack indoors, out of reach of children.



**!** **NOTE:** If the battery does not fit properly, disconnect it and confirm that the battery pack is the correct model for this charger as shown on the specification chart. Do not charge any other battery pack or any battery pack that does not securely fit the charger.

**!** **NOTE:** If battery is hot after continuous use in the tool, allow it to cool down to room temperature before charging. This will extend the life of your batteries.

**!** **NOTE:** Remove battery pack from charger stand using your thumb or fingers, press the battery's release button in and pull the battery pack off at the same time.

### 1) Battery capacity indicator


There is a battery capacity indicators on the battery pack; you can check the capacity status of the battery if you squeeze the button. Before using the machine, please press the switch trigger to check if the battery is full enough to properly work.


### 2) Inserting and removing the battery.

**WARNING:** Before making any adjustments ensure the tool is switched off with the direction of rotation selector in the center position.

- Remove the battery: press the battery release latch in and at the same time pull the battery pack off.
- To insert the battery: push the battery pack onto the contacts of the tool.



### 4.2 Operation instructions

<b>WARNING</b>	
	<b>Unplug battery before all maintenance and settings!</b>

<b>NOTICE</b>	
	<ul style="list-style-type: none"> <li>Never remove the battery while the machine is running.</li> <li>In case of longer standstill, press the shut-down button.</li> <li>Use the electric motor only with sufficient battery charge.</li> </ul>

### 4.3 Operation

#### 4.3.1 Start electrical support

	<ul style="list-style-type: none"> <li>Press the power button on the battery box to "1:=ON".</li> </ul>
	<ol style="list-style-type: none"> <li>light #L4(green), #L3(green), #L1(green)is ON,light #L2 and #L5 is OFF</li> <li>press the throttle lever #1, the wheelbarrow will go forward</li> <li>if press button #2 once, the light #L4 will be ON, light #L5 on, press throttle lever #1,the wheelbarrow will go backwards</li> <li>if press butter #3, then light #L3 will turn red, the EBS brakes, the wheelbarrow won't move even pressing throttle lever #1. Press the button #3 again,the EBS will get deactivated</li> <li>if pressing button #4, the light #L2 will be ON, the</li> </ol>

	wheelbarrow will go faster after pressing the throttle lever #1
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**Electronic Brake System:** This wheelbarrow is equipped with electronic brake EBS/BAS

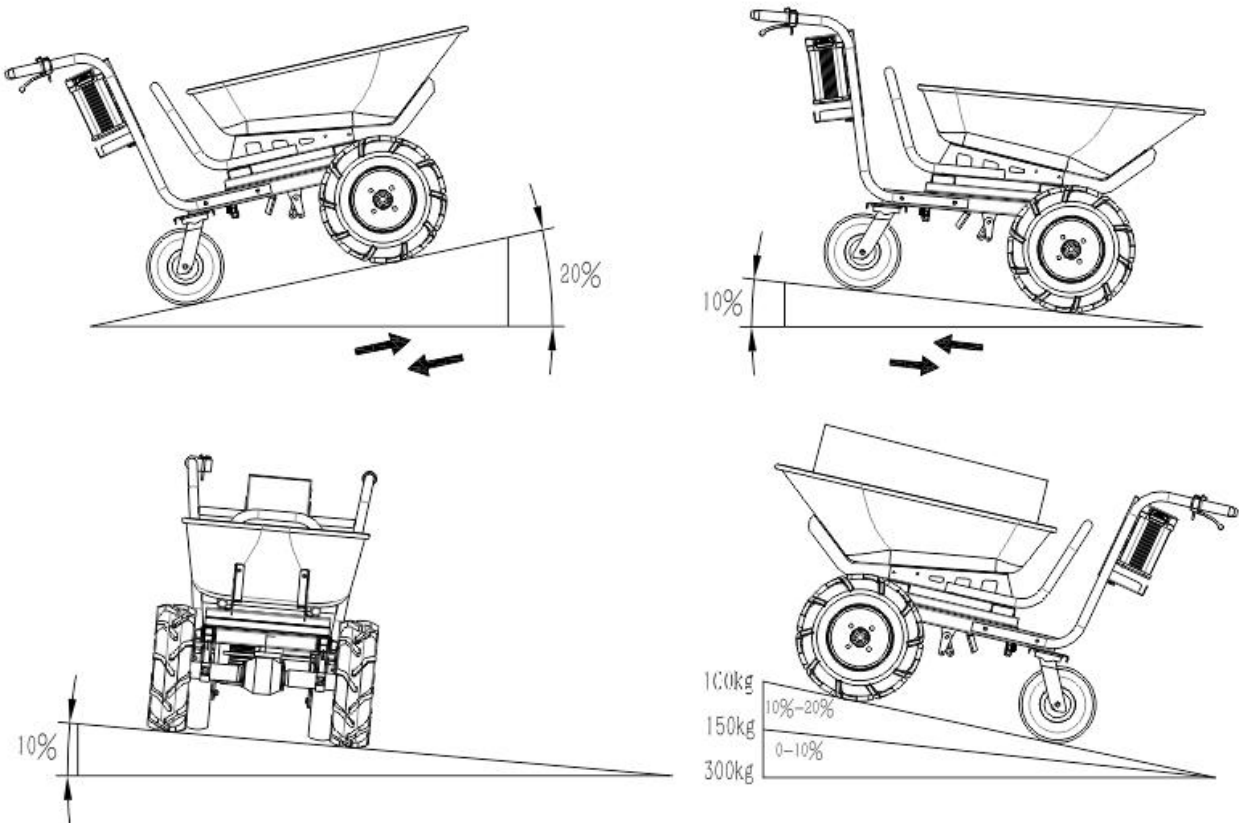
<b>BAS ON</b>	<p>The BAS will work only when</p> <ul style="list-style-type: none"> <li>• Button on the battery box is "1:=ON".</li> <li>• Thumb switch #1 is at its original position, no acceleration.</li> </ul>
<b>EBS ON</b>	<p>The EBS will work only when</p> <ul style="list-style-type: none"> <li>• Button on the battery box is "1:=ON".</li> <li>• Brake switch #3 at "1" position.</li> </ul>

**Notice:**

- When EBS is ON, the wheelbarrow will be stopped completely. Even if the thumb switch is pressed, the wheelbarrow will not move.
- When BAS is on, the wheelbarrow will be stopped on the flat ground, however if on a downward slope it may move slowly.
- BAS will not affect the battery power, however EBS will. It is recommended to use BAS most of the time.
- The two above brake systems will provide convenience and safety while the wheelbarrow is on the slope or dumping the goods.

**4.3.2 On the slope**

For safety reason, never overload at any conditions, meanwhile please operate within the limit of the below requirement.



## 5. MAINTENANCE AND STORAGE

### ATTENTION



**Unplug battery before all maintenance and settings!**  
**Serious injury due to unintentional or automatic activation of the machine!**

The machine does not require extensive maintenance. If malfunctions and defects occur, it must be serviced by trained persons only.

### NOTICE

Clean your machine regularly after every use – this will prolong the machines lifespan and is a pre-requisite for a safe working environment.

Check regularly the condition of the security stickers. Replace them if required and ensure they are always visible.

Check regularly the condition of the machine.

Store the machine in a closed, dry location after each time use.

#### 5.1 Maintenance plan

##### After each work shift:

- Check the cables to ensure a tight fit and no damage has occurred.

#### 5.2 Cleaning

### NOTICE

**The usage of certain solutions containing ingredients damaging metal surfaces as well as the use of scrubbing agents will damage the machine surface!**

- Clean the machine surface with a wet cloth each time use.

**Never use high pressure cleaner to clean the machine.**

- Clean the outer parts with a damp sponge.
- Never clean the electronic parts with water!
- Check the machine and remove the deposits and/or residues with a brush after each use.

#### 5.3 Storage

- Clean thoroughly all components before storage.
- Store all components separately in a dry area no less than -10 ° C.
- Charge the battery fully before storing.

### NOTICE

During longer standstill and at least after one month charge the battery.



## 6. TROUBLE SHOOTING

**BEFORE YOU START WORKING FOR THE ELIMINATION OF DEFECTS, UNPLUG THE BATTERY.**

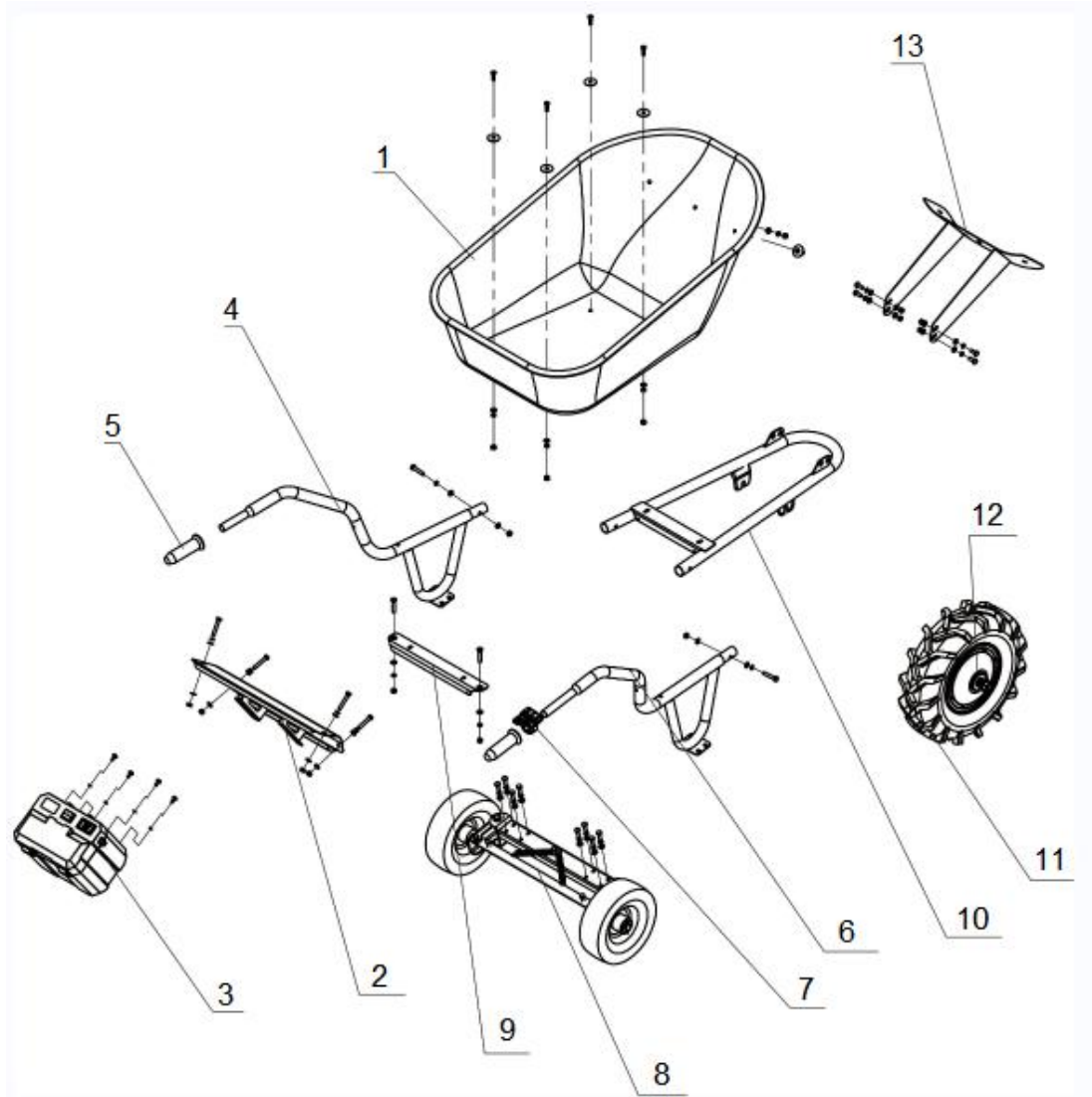
Problem	Possible cause	Solution
No electrical support	Battery is not charged	Recharge battery
	Motor stuck	Check motor
	Power switch is damaged	Check switch
	Broken or loose cables	Check cables
No charging of battery	Loosen cable	Check cable connection

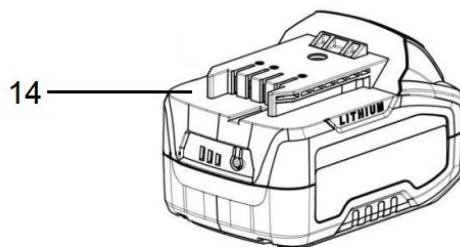
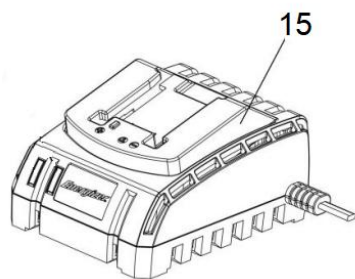
## 7. SPARE PARTS

**The installation of parts other than the original parts voids the warranty!**

When you place a spare parts order, please always take note of the machine type, spare part number and part name. We recommend to copy the spare parts diagram below and mark the spare part you need.

### 7.1 Exploded view





No.	PART NAME	QTY
1	Tray 100L	1
2	Battery box support	1
3	Battery box	1
4	Left handle	1
5	Handle grip	2
6	Right handle	1
7	Speed control lever	1
8	Steering system with rear wheels	1
9	Protector plate for plug	1
10	Front frame	1
11	tyre 5.00-8	1
12	Motor	1
13	Front tray support	1
14	Battery	2
15	Charger	1

## 8. DISPOSAL



Do not dispose of the machine and the battery in residential waste. Contact your local authorities for information regarding the available disposal options. When purchasing at your local dealer for a replacement unit, the latter is obliged to exchange your old machine.



## 9. DECLARATION OF CONFORMITY



BUILDER SAS

32 rue Aristide Bergès - Z.I. du Casque - 31270 Cugnaux - France

Tel: +33 (0) 5.34.508.508 Fax: +33 (0) 5.34.508.509

Declare that the machine designated below  
ELECTRIC WHEELBARROW  
NEXO8B

Serial number: 20231108902- 20231108997

Conforms to the provisions of the Machinery Directive 2006/42 / EC and the national regulations transposing it;

Also complies with the provisions of the following European directives:

To the EMC Directive 2014/30 / EU

To the ROHS Directive: (EU)2015/863 amending 2011/65/EU

Also complies with European standards, national standards and the following technical provisions:

EN 60204-1: 2018

EN ISO12100: 2010

EN IEC61000-6-1:2019

EN IEC61000-6-3: 2021

EN IEC61000-3-2: 2019+A1:2021

EN 61000-3-3: 2013+A2:2021+AC:2022

EN60335-1:2012+A11:2014+A13:2017+A1:2019+A2:2019+A14:2019+A15:2021

EN IEC60335-2-29: 2021+A1:2021

EN IEC55014-1 : 2021

EN IEC55014-2 : 2021

EN IEC 61000-3-2:2019+A1:2021

EN 61000-3-3:2013+A1:2019+A2:2021

Responsible of technical file: Olivier Patriarca

Cugnaux, 12/12/2023

Philippe MARIE / PDG

# 10. WARRANTY



## WARRANTY

The manufacturer guarantees the product against defects in material and workmanship for a period of 2 years from the date of the original purchase. The warranty only applies if the product is for household use. The warranty does not cover breakdowns due to normal wear and tear.

The manufacturer agrees to replace parts identified as defective by the designated distributor. The manufacturer does not accept responsibility for the replacement of the machine, in whole or in part, and/or ensuing damage.

### **The warranty does not cover breakdowns due to:**

- insufficient maintenance.
- abnormal assembly, adjustment or operations of the product.
- parts subject to normal wear and tear.

### **The warranty does not extend to:**

- shipping and packaging costs.
- using the tool for a purpose other than that for which it was designed.
- the use and maintenance of the machine done in a manner not described in the user manual.

Due to our policy of continuous product improvement, we reserve the right to alter or change specifications without notice. Consequently, the product may be different from the information contained therein, but a modification will be undertaken without notice if it is recognized as an improvement of the preceding characteristic.

### **READ THE MANUAL CAREFULLY BEFORE USING THE MACHINE.**

When ordering spare parts, please indicate the part number or code, you can find this in the spare parts list in this manual. Keep the purchase receipt; without it, the warranty is invalid. To help you with your product, we invite you to contact us by phone or via our website:

- **+33 (0)9.70.75.30.30**
- **<https://services.swap-europe.com/contact>**

You must create a "ticket" via the web platform.

- Register or create your account.
- Indicate the reference of the tool.
- Choose the subject of your request.
- Describe your problem.
- Attach these files: invoice or sales receipt, photo of the identification plate (serial number), photo of the part you need (for example: pins on the transformer plug which are broken).



# 11. PRODUCT FAILURE

## WHAT TO DO IF MY MACHINE BREAKS DOWN?

### **If you bought your product in a store:**

- a) Empty the fuel tank if your product has one.
- b) Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.

Go to the store with the complete machine and with the receipt or invoice.

### **If you bought your product on a website:**

- a) Empty the fuel tank if your product has one.
- b) Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.
- c) Create a SWAP-Europe service ticket on the site: <https://services.swap-europe.com> When making the request on SWAP-Europe, you must attach the invoice and the photo of the nameplate (serial number).
- d) Contact the repair station to make sure it is available before dropping of the machine.

Go to the repair station with the complete machine packed, accompanied by the purchase invoice and the station support sheet downloadable after the service request is completed on the SWAP-Europe site

For machines with engine failure from manufacturers BRIGGS & STRATTON, HONDA and RATO, please refer to the following instructions.

Repairs will be done by approved engine manufacturers of these manufacturers, see their site:

- <http://www.briggsandstratton.com/eu/fr>
- <http://www.honda-engines-eu.com/fr/service-network-page;jsessionid=5EE8456CF39CD572AA2AEEDFD290CDAE>
- <https://www.rato-europe.com/it/service-network>

**Please keep your original packaging to allow for after-sales service returns or pack your machine with a similar cardboard box of the same dimensions.**

**For any question concerning our after-sales service you can make a request on our website <https://services.swap-europe.com>**

**Our hotline remains available at +33 (9) 70 75 30 30.**



# 12. WARRANTY EXCLUSIONS

## THE WARRANTY DOES NOT COVER:

- Start-up and setting up of the product.
- Damage resulting from normal wear and tear of the product.
- Damage resulting from improper use of the product.
- Damage resulting from assembly or start-up not in accordance with the user manual.
- Breakdowns related to carburetion beyond 90 days and fouling of carburetors.
- Periodic and standard maintenance events.
- Actions of modification and dismantling that directly void the warranty.
- Products whose original authentication marking (brand, serial number) has been degraded, altered or withdrawn.
- Replacement of consumables.
- The use of non-original parts.
- Breakage of parts following impacts or projections.
- Accessories breakdowns.
- Defects and their consequences linked to any external cause.
- Loss of components and loss due to insufficient screwing.
- Cutting components and any damage related to the loosening of parts.
- Overload or overheating.
- Poor power supply quality: faulty voltage, voltage error, etc.
- Damages resulting from the deprivation of enjoyment of the product during the time necessary for repairs and more generally the costs related to the immobilization of the product.
- The costs of a second opinion established by a third party following an estimate by a SWAP-Europe repair station
- The use of a product which would show a defect or a breakage which was not the subject of an immediate report and/or repair with the services of SWAP-Europe.
- Deterioration linked to transport and storage\*.
- Launchers beyond 90 days.
- Oil, petrol, grease.
- Damages related to the use of non-compliant fuels or lubricants.

\* In accordance with transport legislation, damage related to transport must be declared to carriers within 48 hours maximum after observation by registered letter with acknowledgement of receipt.

This document is a supplement to your notice, a non-exhaustive list.

**Attention:** all orders must be checked in the presence of the delivery person. In case of refusal by the delivery person, it you must simply refuse the delivery and notify your refusal.

**Reminder:** the reserves do not exclude the notification by registered letter with acknowledgement within 72 hours.

### Information:

Thermal devices must be wintered each season (service available on the SWAP-Europe site). Batteries must be charged before being stored.



BUILDER SAS

32 rue Aristide Bergès - Z.I. du Casque - 31270 Cugnaux - France

Made in PRC