



ZIPPER MASCHINEN GmbH

Gewerbepark 8 · 4707 Schüsslberg

AUSTRIA

Tel. +43 7248-61116-700

info@zipper-maschinen.at

www.zipper-maschinen.at

DE BETRIEBSANLEITUNG

Übersetzung / Translation

EN USER MANUAL

CZ NÁVOD K OBSLUZE

SK NÁVOD NA OBSLUHU

ES INSTRUCCIONES DE SERVICIO

FR MODE D'EMPLOI

SL NAVODILA ZA UPORABO

ELEKTRISCHE SCHUBKARRE

ELECTRIC WHEELBARROW

ELEKTRICKÉ MOTOROVÉ KOLEČKO

ELEKTRICKÉ MOTOROVÉ KOLIESKO

CARRETILLA ELÉCTRICA

BROUETTE ÉLECTRIQUE

ELEKTRIČNA SAMOKOLNICA



ZI-EWB500

EAN: 9120039233635



**YOUR
JOB.
OUR
TOOLS.**



10 PREFACE (EN)

Dear Customer!

This operating manual contains information and important notes for safe commissioning and handling of the electric wheelbarrow ZI-EWB500, hereinafter referred to as "machine".



The manual is an integral part of the machine and must not be removed. Keep it for later use in a suitable place, easily accessible to users (operators), protected from dust and moisture, and enclose it with the machine if it is passed on to third parties!

Please pay special attention to the chapter Safety!

Due to the constant further development of our products, illustrations and contents may differ slightly. If you notice any errors, please inform us.

Technical changes reserved!

Check the goods immediately after receipt and make a note of any complaints on the consignment note when the delivery person takes them over!

Transport damage must be reported separately to us within 24 hours.

ZIPPER MASCHINEN GmbH cannot accept any liability for transport damage not noted.

Copyright

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Court of jurisdiction is the Linz Regional Court or the court responsible for 4707 Schlüsslberg.

Customer Service Address

Z.I.P.P.E.R MASCHINEN GmbH
AT-4707 Schlüsslberg, Gewerbepark 8
Tel 0043 (0) 7248 61116 – 700
info@zipper-maschinen.at



11 SAFETY

This section contains information and important notes on safe start-up and handling of the machine.



For your own safety, read these operating instructions carefully before putting the machine into operation. This will enable you to handle the machine safely and prevent misunderstandings as well as personal injury and damage to property. In addition, observe the symbols and pictograms used on the machine as well as the safety and hazard information!

11.1 Intended use of the machine

The machinery is intended exclusively for the following operations: *Transportation of goods within the maximum permissible load capacity.*

ZIPPER-MASCHINEN assumes no responsibility or warranty for any other use or use beyond this and for any resulting damage to property or injury.

11.1.1 Technical Restrictions

The machine is intended for use under the following ambient conditions:

Relative humidity:	max. 65 %
Temperature (for operation)	+5° C bis +40° C

The machine, especially the battery, may not be exposed to a temperature of about 80 °C. Do not store in the blazing sun or a long time in the trunk of a car.

11.1.2 Prohibited Use / Hazardous misapplications

- Operating the machine without adequate physical and mental aptitude
- Operating the machine without knowledge of the operating instructions
- Changes in the design of the machine
- Operating the machine in wet and rainy conditions
- Operating the machine outside the technical limits specified in this manual
- Remove the safety markings attached to the machine
- Modify, circumvent or disable the safety devices of the machine

The improper use or disregard of the versions and instructions described in this manual will result in the voiding of all warranty and compensation claims against Zipper Maschinen GmbH.

11.2 User Requirements

The machine is designed for operation by one person. The physical and mental aptitude as well as knowledge and understanding of the operating instructions are prerequisites for operating the machine. Persons who, because of their physical, sensory or mental abilities or their inexperience or ignorance, are unable to operate the machinery safely must not use it without supervision or instruction from a responsible person.

Basic knowledge of metalworking especially the correlation of material, tool, feed and speeds.

Please note that local laws and regulations may determine the minimum age of the operator and restrict the use of this machine!

Put on your personal protective equipment before working on the machine.

Work on electrical components or equipment may only be carried out by a qualified electrician or under the instruction and supervision of a qualified electrician.

11.3 General safety instructions

To avoid malfunctions, damage and health hazards when working with the machine, the following points must be observed in addition to the general rules for safe working:

- Before start-up, check the machine for completeness and function. Only use the machine if the guards and other non-parting guards required for machining have been fitted, are in good operating condition and have been properly maintained.
- Ensure sufficient lighting conditions at the workplace to ensure safe handling of the machine.
- Remove tool keys and other adjustment tools before switching on the machine.



- Check the strength of the machine connections before each use.
- Never leave the running machine unattended. Switch off the machine before leaving the working area and secure it against unintentional or unauthorised recommissioning.
- The machine may only be operated, serviced or repaired by persons who are familiar with it and who have been informed of the hazards arising from this work.
- Ensure that unauthorised persons maintain a safe distance from the machine and keep children away from the machine.
- Wear suitable work clothing and footwear.
- Always work with care and the necessary caution and never use excessive force.
- Shut down the machine and disconnect it from the power supply before carrying out any adjustment, conversion, cleaning, maintenance or repair work. Before starting any work on the machine, wait until all tools or machine parts have come to a complete standstill and secure the machine against unintentional restarting.
- Do not work on the machine if it is tired, not concentrated or under the influence of medication, alcohol or drugs!

11.4 Special safety instructions for this machine

- Caution in slippery conditions - slip hazard - risk of injury. When working, wear robust and non-slip footwear. Slides / stumble / traps are a major cause of serious injury or death.
- Never use the machine when it is raining or in damp, wet areas.
- Always use both hands to hold the machine when in use.
- Before start, after failure or shock, be sure to check the machine and make sure that it is in good condition.
- Take special care when work near swimming pools or garden ponds.
- Unplug battery before all maintenance and settings!

CHARGER:

- The charger is designed exclusively to charge the battery of this machine. Charging other batteries is not permitted.
- Never use the charger in a damp or wet environment.
- Disconnect cable connections only by pulling the plug. Pulling on the cable could damage the cable and plug and electrical safety would no longer be guaranteed.
- Never use the charger if the cable, plug or the machine itself are damaged by external influences. Then take the charger to the nearest specialist workshop.
- Do not operate the machine in close proximity to heat sources.
- Do not use an extension cord to plug in the charging station's power supply.
- Do not place any metal objects in the area of the charging contacts of the charger.
- Do not open the charger. In case of failure, contact a specialist workshop.
- Only use the original charger to charge the battery. If other chargers are used, defects may occur or a fire might be caused.

BATTERY:

- Vapors may be emitted during improper use or when using damaged batteries. These vapors can irritate the respiratory tract. Inhale fresh air and consult a physician if you experience any discomfort.
- FIRE HAZARD! Never charge batteries near acids and flammable materials.
- Only charge the battery in an ambient temperature between 0° C and +40° C. Allow to cool down first after heavy load.
- EXPLOSION HAZARD! Protect the battery from heat and fire.
- Only use the battery in an ambient temperature between 0° C and +45° C.
- HAZARD OF SHORT-CIRCUIT! For disposal, transport or storage, the battery must be packed (plastic bag, box) or the contacts must be taped.
- Never open the battery.

11.5 Hazard warnings

Despite their intended use, certain residual risks remain. Due to the structure and construction of the machine, hazardous situations may occur when handling the machines:

**DANGER**

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

WARNING

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

CAUTION

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

NOTICE

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, their sound common sense and corresponding technical suitability/training are and remain the most important safety factor in the error-free operation of the machine. **Safe working depends first and foremost on you!**

12 ASSEMBLY

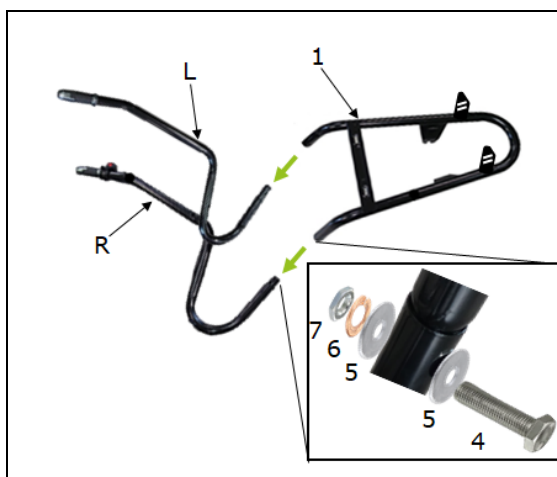
12.1 Checking delivery content

Always note visible transport damages on the delivery note and check the machine immediately after unpacking for transport damage or missing or damaged parts. Report any damage to the machine or missing parts immediately to your retailer or freight forwarder.

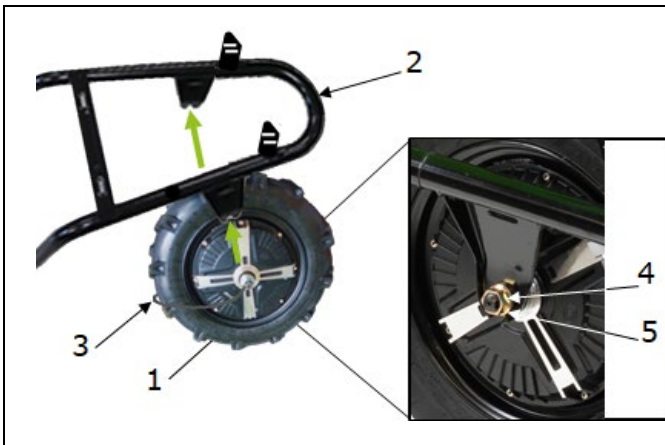
12.2 Assembly-steps

NOTICE

Do not fully tighten all screws until assembly is complete.

**1. Step**

Assemble the left (L) and right handle (R) to the frame (1) using one hex screw (4), two washers (5), one spring washer (6) and one nut (7) each.

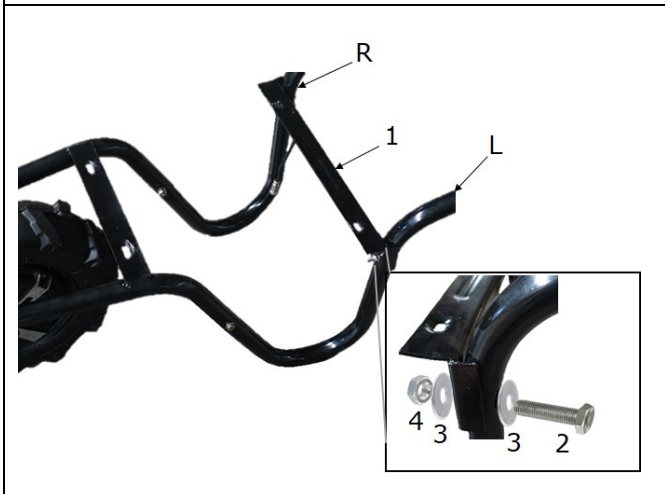


2. Step

First disassemble the nuts (4) and washers (5) attached to both sides of the motor wheel (1). Install the motor wheel (1) on each side by means of a washer (5) and a nut (4) at the frame (2).

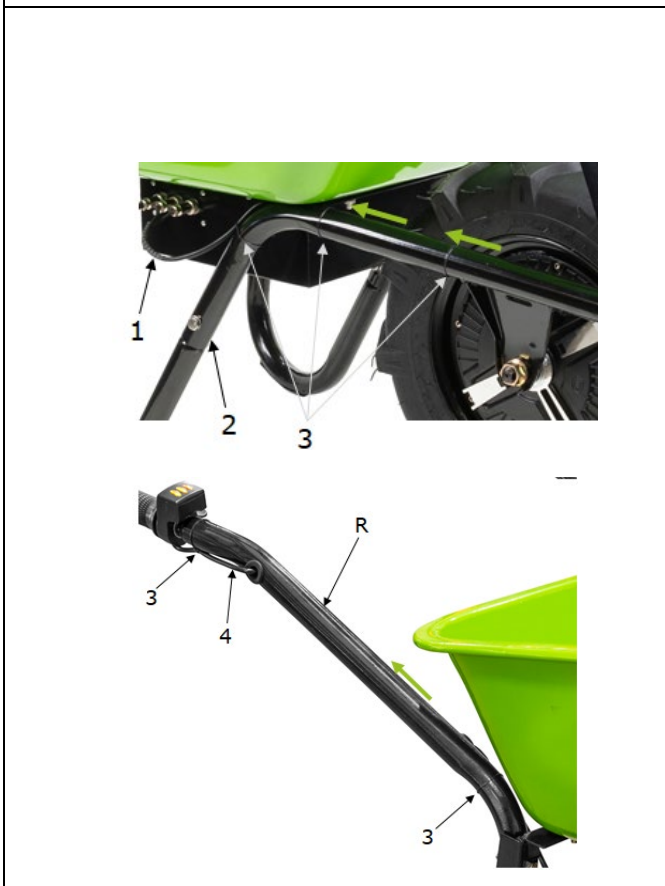
Note:

The wheel must be assembled so that the cable (3) is placed on the right side.



3. Step

Assemble the support (1) to the handles (L, R) using one hex screw (2), 2 washers (3), and one nut (4) each.

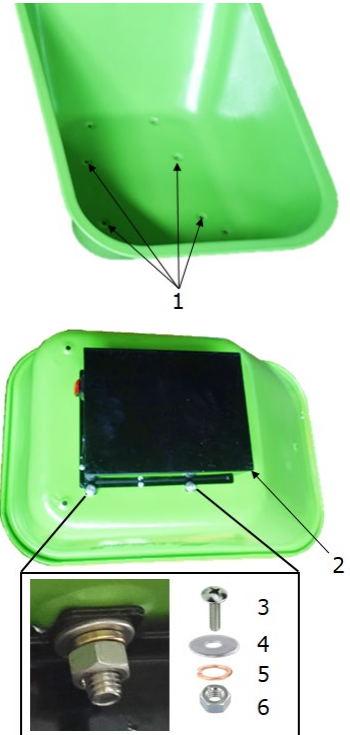




4. Step

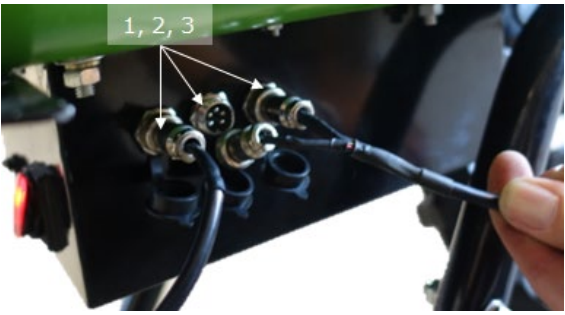

Fasten the cable (1) of the motor wheel to the frame (2) using cable ties (3).

Fasten the cable (4) to the right handle (R) using cable ties (3).



	<p>5. Step</p> <p>Install the battery box system (2) at the holes (1) provided for this purpose on the tray.</p> <p>Fix the battery box system (2) with one round-headed screw (3), one washer (4), one spring washer (5) and one nut (6) each.</p>
	<p>6. Step</p> <p>Install the tray (1) to both struts (6) using a total of 4 round-head screws (2), 4 washers (3), 4 spring washers (4) and 4 nuts (5).</p>
	<p>7. Step</p> <p>Hook the front support (1) into the two longitudinal holes (2) on the frame and move it forward.</p> <p>Fix the front support (1) to the tray using a round-headed screw (3), a washer (4), a spring washer (5) and a nut (6).</p>



	<p>8. Step</p> <p>Connect the 6-prong plug to position (1), the 5-prong plug to position (2) and the 3-prong plug to position (3).</p>
	<p>Assembly completed</p>

13 OPERATION

Only operate the machine when it is in perfect condition. 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 machine.

13.1 Operation instructions

WARNING



Unplug battery before all maintenance and settings!



NOTICE



Never remove the battery while the machine is running
In case of longer standstill, press the shut-down button
Use the electric motor only with sufficient battery charge



13.2 Operation

13.2.1 Start electrical support

	<p>1. Set the ON-OFF switch (1) on the battery box system to "I" = ON.</p>
	<p>2. Press the red button (2). 3. Turn the lever (3) on the control element to set the electrical support; the further the control lever is pressed down, the more electrical support is provided.</p>

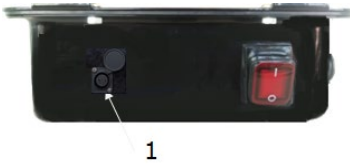




13.2 Stopping the machine

	<ol style="list-style-type: none">1. Turn the lever (1) back to the home position to switch off the electrical support.2. Press the red button (2).
	<ol style="list-style-type: none">3. Set the ON-OFF switch (3) on the battery box system to "O" = OFF.

13.3 Charger

Charging the battery:

	<ol style="list-style-type: none">1. Connect the charger to the power supply (AC outlet) 230 V / 50 Hz and the charger plug (1) at the battery box system.
	<ol style="list-style-type: none">2. Charge the battery as long as the red LED (2) lights up.
	<ol style="list-style-type: none">3. When the battery is fully charged, the green LED (3) will light up.4. Disconnect the charger from the power supply and the charger plug.

LED- indication of the battery charge level on the control element:

	<p>All 3 LEDs light up when the red button (1) is pressed.</p>
	<p>When the electrical support lever (2) is actuated, the battery charge level is displayed as follows:</p> <ul style="list-style-type: none">- All 3 LEDs light up: Battery charge level between 100-50%- Only red and orange LEDs light up: Battery charge level between 50-10%- Only the red LED lights up: Please charge the battery



14 CLEANING, MAINTENANCE, STORAGE, DISPOSAL

14.1 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 soaked in a mild solution
Never use running water or a 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.

14.2 Maintenance

CAUTION



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, let it be serviced by trained persons only.

NOTICE



Clean your machine regularly after every usage – it prolongs the machines lifespan and is a pre-requisite for a safe working environment.
Repair jobs shall be performed by respectively trained professionals only!

Check regularly the condition of the security stickers. Replace them if required.
Check regularly the condition of the machine.
Store the machine in a closed, dry location.

14.2.1 Maintenance plan

After each workshift:

Check the cables (tight fit, damage)

14.3 Storage

Clean thoroughly all components before storage.
Store all components separately in a dry area at not less than -10 ° C.
Charge the battery fully before storing.

NOTICE



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

14.4 Disposal



Observe the national waste disposal regulations. Never dispose of the machine, machine components or equipment in residual waste. If necessary, contact your local authorities for information on the disposal options available.

If you buy a new machine or an equivalent device from your specialist dealer, he is obliged in certain countries to dispose of your old machine properly.

15 TROUBLESHOOTING

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

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