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After each use, connect the WR 870 Battery to the charger
EC Declaration of Conformity

EC declaration of conformity in accordance with
Machinery Directive 2006/42/EC Annex II 1.A

The manufacturer / distributor:

Westermann GmbH & Co. KG
Schützenhof 23
D – 49716 Meppen

hereby declares that the following product

Product name: WR 870 Battery | Honda
Make: Westermann GmbH & Co. KG
Serial number: __ __ __ __ __
Model / type description: WR 870

Description:
The Westermann Radial Sweeper is built exclusively for the general sweeping of hard surfaces such as yards, roads, parking lots, silo slabs and stables. Any other use is considered improper. The manufacturer is not liable for damage resulting therefrom. The risk is borne by the user alone.

Proper use also includes compliance with the operating, maintenance and service conditions prescribed by the manufacturer.

The following additional EU directives have been applied:
The protection objectives of the following EC Directive are complied with.

Machinery Directive 2006/42/EC
EMC Directive 2014/30/EU
Low Voltage Directive 2014/35/EU

After each use, connect the WR 870 Battery to the charger.
EC Declaration of Conformity

The following harmonised standards were applied:


The following other technical specifications were applied:

Name and address of the person authorised to compile the technical documentation:

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Location: 49716 Meppen
Date: 19.01.2017

(Signature)

Alfons Westermann Managing Director

After each use, connect the WR 870 Battery to the charger
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3 Important basic information

3.1 Scope of supply

The operating manual is part of the working equipment and must be kept accessible in the immediate vicinity of the machine at all times.

The operating manual contains important information for safe and effective operation of the machine. Therefore, the operator must read and understand this operating manual carefully.

The basic requirement for safe working is compliance with all safety instructions and operating procedures given in this operating manual.

The local accident prevention regulations and general safety regulations for the specific application must also be observed.

The provided supplier documentation for the installed components must also be observed.

The illustrations are provided for basic understanding and may deviate from the actual design.

The manufacturer assumes no liability for damage due to non-observance of the operating manual, improper use, improperly performed maintenance or repairs, unauthorised modifications, technical modifications and use of unauthorised spare parts.

After each use, connect the WR 870 Battery to the charger
## 3.2 Conventions

### 3.2.1 Symbols and signal words

<table>
<thead>
<tr>
<th>Symbol / Signal word</th>
<th>Importance</th>
</tr>
</thead>
<tbody>
<tr>
<td>!</td>
<td>Draws your attention to the handling and impact of safety information.</td>
</tr>
<tr>
<td>⚠️ GEFAHR</td>
<td>Draws your attention to a dangerous situation that <strong>will</strong> result in serious injury or death if not avoided.</td>
</tr>
<tr>
<td>⚠️ WARNUNG</td>
<td>Draws your attention to a dangerous situation that <strong>can</strong> result in serious injury or death if not avoided.</td>
</tr>
<tr>
<td>⚠️ VORSICHT</td>
<td>Draws your attention to a dangerous situation that <strong>can</strong> result in mild to moderate injury if not avoided.</td>
</tr>
<tr>
<td>⚠️ HINWEIS</td>
<td>Alerts you to possible property damage and other important information.</td>
</tr>
</tbody>
</table>

After each use, connect the WR 870 Battery to the charger.
### 3.2.2 Pictogram overview

The safety instructions contained in this operating manual, which can cause danger to persons and the machine if ignored, are specially marked with the following pictograms.

<table>
<thead>
<tr>
<th>Pictogram</th>
<th>Importance</th>
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</thead>
<tbody>
<tr>
<td><img src="image" alt="General warning sign" /></td>
<td>General warning sign</td>
</tr>
<tr>
<td><img src="image" alt="Falling hazard" /></td>
<td>Falling hazard</td>
</tr>
<tr>
<td><img src="image" alt="Automatic start-up hazard" /></td>
<td>Automatic start-up hazard</td>
</tr>
<tr>
<td><img src="image" alt="Opposing rollers hazard (Entanglement risk)" /></td>
<td>Opposing rollers hazard (Entanglement risk)</td>
</tr>
<tr>
<td><img src="image" alt="Harmful or irritating substances hazard" /></td>
<td>Harmful or irritating substances hazard</td>
</tr>
<tr>
<td><img src="image" alt="Toxic substances hazard" /></td>
<td>Toxic substances hazard</td>
</tr>
<tr>
<td><img src="image" alt="Hand injuries hazard" /></td>
<td>Hand injuries hazard</td>
</tr>
<tr>
<td><img src="image" alt="Hot surface hazard" /></td>
<td>Hot surface hazard</td>
</tr>
<tr>
<td><img src="image" alt="Crushing hazard" /></td>
<td>Crushing hazard</td>
</tr>
<tr>
<td><img src="image" alt="Slip hazard" /></td>
<td>Slip hazard</td>
</tr>
<tr>
<td><img src="image" alt="Electrical voltage hazard" /></td>
<td>Electrical voltage hazard</td>
</tr>
<tr>
<td><img src="image" alt="Obstacles on the ground hazard" /></td>
<td>Obstacles on the ground hazard</td>
</tr>
</tbody>
</table>

After each use, connect the WR 870 Battery to the charger
3.3  Marking on the machine

The **Radial Sweeper WR 870** has a nameplate that contains all basic data. Components and accessories from suppliers have their own nameplates.

---

**Westermann GmbH & Co. KG**

Schützenhof 23
D - 49716 Meppen

Type:  
Year: 20  
Ser. No  

---

3.3.1 Warning pictogram on the machine

![Warning pictogram](image)

Article number: AUF-00-00016

![Warning pictogram](image)

Article number: AUF-00-00028

---

**HINWEIS**

Labels must always be kept clean. Missing or damaged labels must be replaced.
3.4 Ordering spare parts

**HINWEIS**

When ordering spare parts or accessories, state the type designation, machine number and year of manufacture. The use of accessories and spare parts from other manufacturers is only permitted after consultation with the manufacturer. Original accessories and manufacturer-authorised accessories are provided for safety. Use of other accessories may void liability for consequential damages.
4 Safety

4.1 Intended use of the machine

The Westermann Radial Sweeper WR 870 is to be used exclusively for the intended use described here. The Radial Sweeper WR 870 is a hand-guided machine. Areas of application of the working machine are the sweeping of hard surfaces such as yards, paths, parking lots, silo slabs and stables, clearing snow or similar work.

The Radial Sweeper WR 870 only has the brush in its basic version. The approved attachments can be found under the accessories chapter.

Any use over and above this is considered improper. The manufacturer is not liable for damage resulting therefrom. The risk is borne by the user alone. Proper use also includes compliance with the operating, maintenance and service conditions prescribed by the manufacturer.

4.2 Machine naming information

The Radial Sweeper WR 870 Honda or Radial Sweeper WR 870 rechargeable battery is referred to below simply as the machine, Radial Sweeper or WR 870.
4.3 Requirements for the operator

**WARNUNG** Danger due to misuse!

Misuse can lead to dangerous situations.

Therefore:

- Refrain from any use beyond the intended use or different use.
- Strictly comply with all information in this operating manual and, where applicable, the associated documents.
- Switching operations on the controls can only be carried out by instructed persons.
- Maintenance and servicing must be carried out exclusively by trained maintenance personnel.
- Refrain from modifying, converting or altering the design or individual pieces of equipment with the aim of changing the area of application or usability.
- Only use the equipment with the aids specified in the operating manual.
- Only use the equipment in a technically perfect condition.
- Use in areas with an explosive atmosphere is prohibited.
- Do not exceed the carrying capacity of the equipment.
- Avoid transporting persons with the equipment.

**HINWEIS** Maintenance and repair

Maintenance and repair work is part of the intended use and must be carried out in compliance with the maintenance intervals.
4.4 Danger area

**WARNING**

**Danger while staying in the danger area!**

*Staying in the danger zone involves risks that unauthorised persons cannot assess.*

Therefore:

- Always monitor the danger zone during the work process and ensure that no persons are present there.
- If an unauthorised person enters the danger zone, warn the person and stop operating immediately.

The area surrounding the machine with a safety distance of at least one meter is defined as a danger area. This area must be free of persons during the operation in order not to influence the work process and to cause hazards. Attachments and ejected debris can increase the danger area of the machine, depending on their size.

---

After each use, connect the WR 870 Battery to the charger
4.5 Foreseeable misuse | Reasonably foreseeable misuse

All use deviating from the intended use is considered misuse and is not permitted. These include, for example:

- Transport of humans and animals
- Use as a climbing aid
- Use outside the permissible operating limits

4.6 Behaviour in case of emergency

4.6.1 Personal injury

⚠️ VORSICHT ⚠️ If during use an event occurs from which personal injury results, the measures taken depend on the severity of the injury.

4.6.2 Case of fire

In the event of a fire, immediate action must be taken.

- Protect people
- Fight the fire
- Repair damage

4.6.3 Technical complications

If technical complications occur during use, they must be remedied by a specialist before further use.

After each use, connect the WR 870 Battery to the charger
4.7 Application

The area of application includes all locations worldwide that enable safe use of the machine. Use must be in accordance with the specified intended use.

4.7.1 Local requirements

The area of application includes all locations worldwide that enable safe use of the machine. To this end, the following criteria must be met.

- Safe installation of the machine
- Temperature range of -10°C to +40°C
- Suitable area of use which guarantees the safe usage of the WR 870.

4.7.2 Disposal

For environmentally sound disposal, the hazardous substances must be disposed of separately. All other materials must be sorted according to their material quality and disposed of accordingly.

4.8 Responsibility of the operator

If the machine is used commercially, the operator is subject to the statutory provisions on occupational safety.
4.8.1 Obligations of the operator

The operator is responsible for ensuring the machine is good working order.

- The operator must regularly check all safety equipment for functionality and completeness.
- The operator must ensure that prescribed maintenance is carried out as scheduled.
- The operator must inform the manufacturer immediately of any damage detected.
- The operator must provide the personnel with the necessary protective equipment and check, maintain and replace defective parts in accordance with regulations.
- The operator must request a new copy of the instruction manual if it is in poor condition or parts are missing.
- The operator must immediately replace all labels, signs or stickers that are in poorly readable condition or have been lost.
- The operator must keep the workrooms and escape routes free and in good condition.

**HINWEIS**

*The WR 870 Battery and the WR 870 Battery PRO MUST, after EVERY use, be connected properly to the charging station again to avoid a deep discharge of the battery*
## 4.9 Personal responsibility

### Basic requirements

- Only persons who are expected to observe the safety regulations and perform their work reliably may enter the danger zone.
- Persons whose ability to act is influenced by drugs, alcohol, medicines or the like are not permitted.
- When selecting personnel, the age and occupation-specific regulations applicable at the place of work must be observed.
- **The user must be at least 16 years old!**

### Qualifications

In general, persons may only perform the activities for which they have the necessary qualifications.

<table>
<thead>
<tr>
<th>Role</th>
<th>Qualification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Specialists for installation and start-up</strong></td>
<td>Able to carry out the work entrusted and to independently recognize and avoid dangerous situations due to professional training, knowledge and experience as well as knowledge of the relevant provisions.</td>
</tr>
<tr>
<td><strong>Service staff for maintenance and start-up</strong></td>
<td>Able to carry out the work entrusted and to independently recognize and avoid possible danger due to professional training, knowledge and experience as well as knowledge of the relevant provisions.</td>
</tr>
<tr>
<td><strong>Electrical specialist for maintenance, installation and start-up</strong></td>
<td>Able to carry out the work and to independently recognize and avoid possible danger due to professional training, knowledge and experience as well as knowledge of the relevant standards and provisions. The electrical specialist is trained for the specific location in which he works and knows the relevant standards and regulations.</td>
</tr>
<tr>
<td><strong>Instructed operating personnel for operation</strong></td>
<td>Is informed of the tasks entrusted and possible dangers of improper conduct after instruction given by the operating company.</td>
</tr>
</tbody>
</table>
4.10 Observance of the operating manual

The operating manual is provided by the manufacturer or supplier of the product in order to provide the user with essential knowledge for the proper and safe use and to point out dangers in handling the machine.

Before starting up the machine, the operating manual must be worked through; it must be observed carefully during start-up. We point out that we accept no liability for damage and malfunctions resulting from non-compliance with the operating manual.

The illustrations and information contained in the operating manual are subject to technical modifications necessary for the improvement of the machine.

4.11 Residual hazards and protective measures

The knowledge and technical implementation of the safety instructions contained in this documentation is a prerequisite for a faultless product. However, this documentation cannot cover all the details of every conceivable case of machine use. Therefore, as in any other case, especially due to human error, there is a residual risk. This residual risk should be kept to a minimum by this documentation.

4.12 Safety marking on the machine

Danger and information points, as well as important information must be marked on the machine and, if necessary, due to dirt or if unrecognisable, cleaned or renewed.
4.13 Personal protection

The Personal Protective Equipment (PPE) is not included in the scope of delivery. Responsibility for the availability, testing and proper use of PPE therefore lies with the operator.

- Wear PPE according to the instructions below.
- Do not enter the danger area without PPE.
- On the equipment follow the attached instructions for PPE.

**Wear foot protection**
Protection of the feet from heavy falling parts, slip prevention, piercing of footwear by sharp-edged parts.

**Wear protective clothing**
Close-fitting workwear with low tear resistance, with tight sleeves and no protruding parts. Predominantly serves as protection from being drawn into rotating machine parts. When working on the electrical system, wear work clothing with arc protection.

**Use hand protection**
Protection of hands from friction, abrasions, punctures and cuts, as well as from contact with hot surfaces. When working on live parts, use insulated gloves.

**Use hearing protection**
Protection of hearing from damaging sound frequencies.

5 Safety instructions for the operator/user

After each use, connect the WR 870 Battery to the charger
If other persons are to operate the machine, they must be instructed in the operation of the machine and the operating manual must be read and understood in order to avoid accidents.

Before removing safety devices, for example a safety cover, make sure that all moving parts of the machine have come to a standstill. Removed parts must be re-attached after maintenance.

Pay attention to persons, animals, obstacles etc. in the vicinity of the machine before using the machine to avoid personal injury or material damage.

Never transport people on the machine or on attachments.

The surface to be swept must first be cleaned of larger foreign bodies. Even stones, wires, pieces of wood and the like can be ejected uncontrollably under certain circumstances by the Radial Sweeper. Observe the marked hazard area specified in chapter 4.4 on page 11

**Notes WR 870 Honda**

Please never leave the machine unattended!

Familiarize yourself with the handling of the engine. Remember how to turn off the engine in an emergency.

Do not place any objects on the engine or allow any flammable liquids near.

Do not tilt the sweeper more than 20°, otherwise petrol may leak. Keep feet and hands away from the rotating bristles.

Due to the high temperatures of the internal combustion engine, you should take care that no persons or objects get near the hot engine.

The exhaust becomes extremely hot during operation and does not cool down for some time after the engine has stopped. Do not touch the exhaust when it is hot. In order to avoid serious burns or a fire hazard, please allow the engine to cool down before transport or storage in a closed room!
6 Technical specifications

6.1 General technical data WR 870

<table>
<thead>
<tr>
<th>Basic dimensions</th>
<th>WR 870 Battery</th>
<th>WR 870 Honda</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine length</td>
<td>1.8</td>
<td>1.8</td>
<td>meters [m]</td>
</tr>
<tr>
<td>Machine length + swath plate:</td>
<td>2.3</td>
<td>2.3</td>
<td>meters [m]</td>
</tr>
<tr>
<td>Machine width</td>
<td>0.86</td>
<td>0.86</td>
<td>meters [m]</td>
</tr>
<tr>
<td>Working width</td>
<td>0.86</td>
<td>0.86</td>
<td>meters [m]</td>
</tr>
<tr>
<td>Machine height</td>
<td>0.45</td>
<td>0.66</td>
<td>meters [m]</td>
</tr>
<tr>
<td>Total height</td>
<td>1.0</td>
<td>1.0</td>
<td>meters [m]</td>
</tr>
</tbody>
</table>

After each use, connect the WR 870 Battery to the charger.
## 6.2 General technical data WR 870

<table>
<thead>
<tr>
<th>Technical specifications</th>
<th>WR 870 Battery</th>
<th>WR 870 Battery PRO</th>
<th>WR 870 Honda</th>
<th>WR 870 Honda PRO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine</td>
<td>12 V DC motor</td>
<td>Honda GCV 160 OHC</td>
<td>Honda GXV 160</td>
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</tr>
<tr>
<td>Period of operation</td>
<td>up to 2.5 h/battery charge</td>
<td>continuous</td>
<td></td>
<td></td>
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<tr>
<td>Handlebar</td>
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<td>right</td>
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<tr>
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<td>83 kg</td>
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<td></td>
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<td></td>
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<tr>
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<td>125 mm solid rubber</td>
<td>160 mm solid rubber</td>
<td>125 mm solid rubber</td>
<td>160 mm solid rubber</td>
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<tr>
<td>Charger:</td>
<td>Special charger with automatic shutoff</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brush:</td>
<td>Polypropylene brush</td>
<td>Polypropylene brush wire PPN mixed stock wire brush</td>
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<tr>
<td>Brush container height:</td>
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<td>230 mm</td>
<td>180 mm</td>
<td>230 mm</td>
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<tr>
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<td>2,500 m²/h</td>
<td>2,500 m²/h</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
After each use, connect the WR 870 Battery to the charger
7 Assembly, first start-up

7.1 Safety

**HINWEIS** To ensure the safety of man and machine easy and risk-minimised installation/handling was taken into consideration during construction. Thus, the handling machine is subject to all applicable DIN EN standards. Operator training and instruction are required and further reduce the safety risk.

7.2 Assembly

The complete assembly and first start-up is carried out exclusively by the manufacturer. The machines are subjected to a thorough test run and are supplied only after successful acceptance.

7.3 First start-up

**HINWEIS** Before first start-up, check the entire vehicle for possible damage.
Product description

The Westermann WR 870 is designed and implemented for the demanding user. It is possible to sweep hard surfaces such as yards, paths, parking lots, silo slabs, stables as well as snow.

The powerful battery or the 4-stroke petrol engine ensures effortless working with a high degree of operational readiness.

Thanks to the rocker switch on the handrail or the Bowden cable on the base frame, the WR 870 Battery and WR 870 Honda are easy to operate and they allow maximum flexibility when setting the direction of rotation. Furthermore, it is possible by the arrangement of the three wheels to use the WR 870 in almost every corner. Thanks to the brush angle any unevenness can be compensated for.

The hand-guided sweeper has a mechanical device that, as soon the front part is raised, automatically brings the sweeper into a resting position. The bristles are lifted off the ground.

To operate, simply push forward and this attachment folds down and the bristles are back in contact with the ground.

Not only the general safety instructions listed under the main item "Safety" are to be observed, but also the special safety instructions inserted under the other main points.

The base frame consists of a robust, hot-dip galvanised torsion-free steel construction, making the WR 870 ideal for use in the agricultural sector.

After each use, connect the WR 870 Battery to the charger
8.1 Battery WR 870 rechargeable battery

The machine has a battery with a voltage of 12 volts and 66 Ah.

8.1.1 Charge cycle

*HINWEIS*

The machine **MUST**, after **EVERY** use be properly connected to the charging station again to prevent a deep discharge of the battery. Deep discharge of a battery begins when it falls below the discharge cut-off voltage. This is a set voltage up to which the battery may be discharged. Batteries of this type can undergo deep discharged even when not in use, solely due to self-discharge. The batteries used have a cycle lifetime of three times that of conventional batteries.

8.1.2 Connecting the machine

The battery charger is integrated in the machine and gives the operator maximum flexibility. For proper charging of the machine, the ambient conditions according to this operating manual must be observed. The power plug is located on top of the cover. The special charger also has an automatic shutdown as overload protection.
9 Start-up

For start-up the hand-held sweeper is brought from the rest position to the working position.

9.1 Adjusting the handle height

To adjust the height of the handle, a handle height adjustment is provided allowing the height to be set without tools. Thus, the handle height can be easily, quickly and ergonomically adjusted for different body heights.

9.1.1 Adjustment process

- Unlock locking bolts according to the diagram on both sides.
- Move the handle into the desired working position.
- Lock the latch bolt properly in the bore hole again.

![Fig. 6 - Handle height](image)

9.2 Adjusting the brush

Depending on the degree of wear of the bristles or depending on the debris, the height of the brush can be varied continuously, e.g. for long-fibered debris (hay, straw) a higher setting is required than, for example, for sand.

The brush height is adjusted via the wing nut.

- Loosen the wing nut.
- Turn the adjusting knob until the desired brush height is reached. Observe the directional markings for lifting and lowering on the sweeper.
- Fix the adjusting knob by tightening the wing nut.

![Fig. 7 - Brush adjustment](image)
9.3 Starting the engine WR 870 Honda | Pro

Before starting the engine, make sure that the lever to reverse the direction of rotation is in the neutral position (as shown) and the brush is in the rest position.

![Diagram of engine start](image)

**Fig. 8 - Engine start**

### 9.3. Opening the fuel valve

- The fuel valve is located on the left in the direction of travel, below the fuel tank.

- Rotation to the left » Open (see also)

![Diagram of fuel valve](image)

**Fig. 9 - Fuel valve**

---

After each use, connect the WR 870 Battery to the charger
9.3. Cold start

- Slide the throttle into the rearmost position (choke).
- START

9.3. Starting at operating temperature

- Slide the throttle into the position slightly above idle.
- Between MIN and MAX

9.3. Starter cord

- First pull the handle of the starter cord lightly until resistance is felt: then pull hard.

**HINWEIS**

Please let the handle of the starter cord run back slowly. This prevents damage to the engine.

9.3. After the cold start

- If the engine was started with the aid of the choke, set the throttle to the fastest or maximum position as soon as it has warmed up and is running evenly without choke. Adjust the throttle to the desired engine speed. *Optimal*

9.4 Determining sweeping direction WR 870 Honda | Pro

After each use, connect the WR 870 Battery to the charger
The Radial Sweeper is equipped with a robust mechanism for reversing the direction of rotation. The desired direction of rotation is set by means of a hand lever, which can be easily reached from the normal working position.

Fig. 14 - Determine the direction of sweeping

Pull the lever up to remove the retaining pin from the hole. Now swing the lever into the desired position and then push the retaining pin into the provided hole.

Since the power transmission from the engine to the brush element is via a V-belt drive that requires some friction, you should press the direction selector lever in the desired direction until there is a noticeable resistance (no force necessary) and then fix it in the hole. Depending on the degree of wear of the belt, it may be necessary after a certain period of use to fix the lever in the next additional hole.

**HINWEIS**

Before changing the direction of rotation, you should stop the brush by moving the lever to the neutral position (see above in the middle) to avoid unnecessary belt wear. Then position the lever again so that the brush element turns in the desired direction.
9.5 Stopping the engine WR 870 Honda | Pro

Move the direction selector lever to the neutral position to stop the brush element from rotating. Now slide the throttle into the position "Min", then into the stop position.

Now close the fuel valve if you do not want to operate the brush again immediately.
9.6 Charging the WR 870 Battery

Westermann Radial Sweepers are equipped with a maintenance-free battery.

The enclosed charger plugs into a standard 220V mains socket. Then the adapter of the charger is inserted into the socket on the back of the brush.

Now the battery charges automatically!

The battery charger is equipped with overload protection, so that overcharging is prevented. The charging time depends on the battery level.

The WR 870 Battery is equipped with overcharging protection in the form of a fuse which switches off the machine before it can be damaged.

At the same time, the fuse serves as a shut-off device, since the removal of the fuse protects the sweeper from unauthorised use.

If the fuse is triggered, the sweeper must be checked for any technical errors.

Fig. 16 - Battery charging
9.6.1 Blown fuse

**HINWEIS**

A blown fuse could indicate a machine defect. In this case, please contact your local dealer or have the machine checked by a specialist workshop.

9.7 Starting the WR 870 Battery | Pro

To start, the sweeper must be on a level surface to ensure proper brush start-up.

Make sure that the fuse required for operation is in the slot provided.

Fig. 17 - Machine start WR 870 Battery

A lever is mounted on the handle of the sweeper with which the direction of rotation can be selected in a comfortable way. The lever is adjusted in such a way that when the lever is released, the Radial Sweeper stops turning in the rest position.

Depending on the desired direction of rotation, the lower part of the lever is now pulled upwards by hand against the handle or the upper part of the lever is pressed by hand against the handle. By releasing the lever, the rotation is slowed down and the sweeper comes to a standstill.
10 Operation

10.1 Operation description

Start in rest position, then bring from rest position into working position

Depending on the debris and sweeping amount, a reaction force is felt on the hand-held machine, and must be countered by the operator accordingly. If the reaction force is too strong for the operator, the already formed "swath" must be picked up. Too strong a reaction force can also be caused by a wrong set brush height. If this is the case, the brush height must be adjusted according to ch. 9.2. A sudden reaction force (kickback) can also occur when pushing with the rotating sweeping brush against a firm resistance. Caution is needed!

10.2 Service interval

The first 50 hours of operation have a major impact on the performance and life of the machine. The following considerations should be taken into account to ensure you enjoy your WR 870 for a long time.

- Repeatedly inspect nuts, bolts and screws etc. and re-tighten if necessary.

Proper maintenance is of crucial importance for the operational safety of the vehicle.
11 Attachments

The following attachments can be mounted on the Westermann Radial Sweeper. This ensures a variety of uses.

- Swath plate

- The attachments themselves must not be changed!
- The safety regulations in chapter 4 apply.
- The conversion or modification of the attachments by the operator or a third person, causes liability for the resulting damage to expire.
11.1 Attachment of the swath plate

The swath plate is mounted on the side of the frame of the Radial Sweeper. For this purpose, the connecting rod of the swath plate is inserted slightly at an angle into the frame. The swath plate is fixed in place using the illustrated spring pin.
11.2 Transport position of swath plate

Fig. 20 - Inserting the swath plate

If the swath plate is not needed, it can be placed on the machine as shown. To do this, the linkage of the swath plate is pulled out of the frame at a slight angle and then inserted into the rear slot. The swath plate then lies on the handle.

Fig. 21 - Locking the swath plate
12 Maintenance and servicing

12.1 General

All maintenance, repair and modification work on the WR 870 is only to be carried out at a standstill and with the power supply disconnected or the engine switched-off. The procedure described in the operating manual for stopping the machine must be strictly adhered to.

The WR 870 is to be checked to ensure it is in a safe condition and secured to prevent it rolling away.

The safety regulations in chapter 4 apply.

Modification of or changes to the machine is/are only permitted after consultation with the manufacturer. Original replacement parts and manufacturer-authorised accessories are provided for safety. The use of other parts releases the manufacturer from liability for the consequences thereof.

Note before starting work:

- Check for externally visible damage and defects! Immediately report any changes (including those regarding operating behaviour) to the responsible service personnel! If necessary, take the machine out of service immediately!
- Check the completeness and functionality of all accessories. Worn parts, or those whose functionality has been impaired must be replaced. Replacement parts must be ordered from the manufacturer.
- Monitor the completeness and legibility of all type and information labels as well as the operating manual. Replace missing or illegible signs and documents.

After each use, connect the WR 870 Battery to the charger.
Please note during regular maintenance:

- If necessary, electronically stored instructions for maintenance must be available in paper form during maintenance.
- For maintenance work involving components from third-party manufacturers, consult the documentation of the third-party manufacturer if necessary.
- Maintenance work requiring specialist knowledge can only be carried out by service personnel.
- The intervals specified in the maintenance schedule must be adhered to as a maximum, but they can also be shorter, depending on operator specifications and environmental conditions.
- **Correct safety-relevant defects immediately!**
- Only use original spare parts and manufacturer approved accessories/tools.
- Only use components that meet the required specifications.

12.2 WR 870 Honda engine

**HINWEIS**

Details of maintenance and care of the engine can be found in the enclosed operating instructions. It contains all necessary maintenance steps such as oil change, spark plug replacement or inspection intervals that affect the engine.

12.3 Cleaning

Clean the brushes and the jockey wheel from stuck dirt. By simply lifting the front part of the sweeper (press on the handle), the lifting device is folded into the rest position and the bristles no longer touch the ground.

12.4 Lubrication

Regular check of wheel and brush bearings for leaks. Damaged bearing units must be replaced!

12.5 Replacement of the brush element

After each use, connect the WR 870 Battery to the charger
In the case of signs of wear or defects on the brush, you have the option of replacing the brush ring with a new one. To do this please follow the following steps.

12.5.1 Removal and installation of the brush element

On the WR 870 Honda, empty the fuel tank before tipping over the brush. Then tilt the sweeper for rear access (handles on the ground for a stable grip and safe access).

![Replacement of the brush element](image)

**DANGER**

**Crushing hazard due to dropping of the Radial Sweeper!**

The tilting of the Radial Sweeper can happen uncontrolled by external influences and cause hazards.

**Therefore:**

- Carefully follow the steps listed below when tilting the Radial Sweeper.
- Secure the position of the Radial Sweeper by putting additional weight on the handle.

The brushes consist of a brush ring, which is held in place by a metal clip. By loosening the metal clips, it is possible to remove the brush ring.

**HINWEIS**

Assembly takes place in reverse order.
12.6 V-belt replacement | V-belt tightening

Loosen the two V-belt tensioning screws as shown in the figure and slide the plate towards the centre of the machine. Push the sheet in until the V-belt, which runs in the groove of the brush element, relaxes as far as possible.

![Fig. 23 - Belt tensioning screws](image)

Now lever the V-belt from bottom to top out of the groove (possibly with the help of a screwdriver). Turn the brush element so that the V-belt slides completely up out of the groove.

<table>
<thead>
<tr>
<th>Drive belt label:</th>
<th>SPZ 2137</th>
</tr>
</thead>
<tbody>
<tr>
<td>Please only use original fabric V-belts from the authorised dealer!</td>
<td></td>
</tr>
</tbody>
</table>

The assembly takes place in reverse order.

The V-belt tensioning screw must now be adjusted again so that optimum power transmission from the engine to the brush element is ensured. The tensioning of the V-belt takes place with the help of appropriate tools (e.g. screwdriver), which can be inserted into the above-mentioned grooves, in order to achieve the force required to tension the V-belt via the lever action.

**HINWEIS**

Please make sure that the plate and the tensioning screws are not over tightened, otherwise the bearing of the engine or brush could be damaged. If you can push in the V-belt about 20mm with two fingers, the tension is sufficient to transfer the force.
12.6.1 Replacement of change-of-direction belt WR 870 Honda

Changing the directional belt occurs after removal of the drive belt. The direction change lever should be in a neutral position for removal.

![Diagram of drive belts and related components]

**Fig. 24 - Replacing the direction change belt**

12.6.2 The clockwise V-belt / toothed belt (internal combustion engine only)

If necessary, loosen the tensioning screw on the top of the housing of the V-belt / timing belt, so that you can lever out the toothed belt from the groove of the drive disc. Now it can be replaced with a new toothed belt.

<table>
<thead>
<tr>
<th>Drive belts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guide roller</td>
</tr>
<tr>
<td>* The tensioning screw is located on the top of the housing</td>
</tr>
<tr>
<td>Motor drive plate</td>
</tr>
<tr>
<td>clockwise toothed belt</td>
</tr>
<tr>
<td>Sweeping direction guide roller</td>
</tr>
<tr>
<td>anti-clockwise toothed belt</td>
</tr>
<tr>
<td>Drive pulley for belt</td>
</tr>
<tr>
<td>Drive pulley</td>
</tr>
</tbody>
</table>

**Drive belt label:** Ax38/X13x965Li

**Please only use original toothed belts from authorised dealers!**

Make sure that the V-belt / toothed belt runs with its teeth outwards over the guide roller and the drive pulley. The toothed side should engage in the groove of the motor drive pulley. When adjusting the tension, please use the tensioning screw on the top of the housing.
The toothed belt may only be stretched so far that power transmission only occurs when the lever to change the direction of rotation is pulled and the connected sweeping direction guide roller is affected.

In the neutral position of the guide roller, the V-belt / timing belt should be able to slide over the guide roller and drive pulley.

12.6.3 The V-belt rotating clockwise (only internal combustion engine)

Dismantling takes place after removal of the anti-clockwise V-belt / toothed belt. After disassembling the above-mentioned belt, remove the two screws of the belt guide plate.

![Belt guide plate](image)

**Fig. 25 - Replacement clockwise belt**

Then you can pry the V-belt from the engine drive pulley and the drive pulley and replace it with a new V-belt. Install the new V-belt in the groove of the engine drive pulley and drive pulley in reverse order.

Finally, mount the belt guide plate, the anti-clockwise V-belt / toothed belt and the drive belt according to the technical specifications in this operating manual.
12.7 **Screw connections**

Check bolts and nuts for the first time after five hours of operation and then tighten them regularly (every 50 hours of operation).

- All torques $M$ are standard values for metric standard threads according to DIN. Friction coefficient 0.14 - new bolts - unlubricated. The values were recommended as guide values by different bolt manufacturers. We cannot assume liability for use.

- Self-locking nuts must be replaced after each dismantling.

<table>
<thead>
<tr>
<th>Thread</th>
<th>3.6</th>
<th>5.6</th>
<th>6.8</th>
<th>8.8</th>
<th>10.9</th>
<th>12.9</th>
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<tr>
<td>M6</td>
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<td>4.51</td>
<td>8.73</td>
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<td>490.34</td>
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<td>576.50</td>
<td>669.26</td>
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<td>162.40</td>
<td>245.17</td>
<td>470.72</td>
<td>558.98</td>
<td>784.45</td>
<td>941.44</td>
</tr>
</tbody>
</table>

12.8 **Fuse replacement**

The machine is protected by a fuse. The fuse slot on the **WR 870 Battery** is located on the handle in the switch housing.

60 Ampere fuse

---

After each use, connect the WR 870 Battery to the charger
12.9 Procedures after maintenance

After completing the maintenance, perform the following steps:

- Make sure that all previously loosened screw connections are tightened.
- Ensure all previously removed guards and covers are properly reinstalled.
- Ensure all tools, materials, and other equipment used have been removed from the work area.
- Clean work area and remove cleaning material such as cloths, etc.
- Make sure all safety devices are working properly.

12.10 Notes regarding maintenance work

For maintenance work and related replacement of components, only the use of original spare parts is permitted.

12.11 Documentary list

Incidents and interference must be recorded in a documentary list. The documentary lists must be stored electronically and/or in paper form.
13 Residual risks

**Electrical hazards**

*Risk of injury due to electrical voltage!*

Defective or improperly attached battery pole caps can lead to hazards due to electrical voltage in the event of damage.

**Therefore:**

- Operation may only be carried out by trained personnel.
- Perform all operating steps in accordance with the instructions in this operating manual.
- Before operation, make sure all battery terminals are properly connected and undamaged.
- Use the provided personal protection equipment!

**Hot surfaces**

*Risk of injury due to hot surfaces!*

Parts and components of the machine may become very hot in the event of excessive use and may result in injury if they come into direct contact with the skin.

**Therefore:**

- Operation may only be carried out by trained personnel.
- Perform all operating steps in accordance with the instructions in this operating manual.
- Mark affected components with warning signs.
Improper operation

Risk of injury due to improper operation!

Improper operation can lead to personal injury or property damage.

Therefore:

- Operation may only be carried out by trained personnel.
- Perform all operating steps in accordance with the instructions in this operating manual.
- Before operation, make sure all fasteners are properly connected and undamaged.
- Pay attention to order and cleanliness! Loosely stacked or objects lying around, such as tools, cables and components are potential sources of accidents.

Operation movements

Risk of injury due to moving components!

During operation, individual components or components of the machine can move and lead to dangerous situations.

Therefore:

- Always monitor the danger zone during operation and ensure that no persons are present there.
- Switch off the equipment before carrying out work on the main switch and secure it against being switched on again.
- Perform all operating steps in accordance with the instructions in the operating manual.
- Do not operate the machine without safety devices. Install all safety devices securely before starting.

After each use, connect the WR 870 Battery to the charger
Machine recoil

⚠️ GEFAHR

Risk of injury due to unpredictable machine movements!

Unpredictable machine movements could lead to personal injury or property damage.

Therefore:

- Operation may only be carried out by trained personnel.
- Perform all operating steps in accordance with the instructions in this operating manual.
- Sweepings and the volume thereof must be taken into account
- Check brush height
- Avoid collisions with solid objects
14 Storage conditions

Park the Westermann WR 870 in a dry and clean place and secure against unplanned start-up.

**HINWEIS** The machine **MUST**, after **EVERY** use be properly connected to the charging station again to prevent a deep discharge of the battery.

**VORSICHT** Risk of accident!

The radial sweeper is to be checked to ensure it is in a safe condition and secured to prevent it rolling away.

- Park the machine level in its resting position.

Check vehicle for possible damage! Clean the **WR 870** thoroughly, if necessary. Dirt attracts moisture and leads to corrosion. Repair paint damage if necessary.
15 Cleaning

For cleaning, the following points must be observed.

- Cleaning with water or high-pressure cleaner is not permitted.

- Cleaning may only be carried out with compressed air or with other aids such as hand brushes.

**Dirt attracts moisture and leads to rusting.**
# Troubleshooting

## 16.1 WR 870 Honda | PRO

<table>
<thead>
<tr>
<th>Fault</th>
<th>Cause</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine will not start</td>
<td>Engine malfunction</td>
<td>Refer to troubleshooting in the engine manual.</td>
</tr>
<tr>
<td></td>
<td>Direction selector lever not in neutral position</td>
<td>Move the direction selector lever to the neutral position.</td>
</tr>
<tr>
<td>Brush does not return correctly</td>
<td>Wrong sweeping height</td>
<td>Adjust the sweeping height to the conditions.</td>
</tr>
<tr>
<td></td>
<td>Loose screw connections</td>
<td>Check screws and tighten if necessary.</td>
</tr>
<tr>
<td>Brush does not turn or stops at low resistance</td>
<td>V-belt defective</td>
<td>Check V-belt; replace if necessary.</td>
</tr>
<tr>
<td></td>
<td>Toothed belt defective</td>
<td>Tighten the drive belt tensioning bolt</td>
</tr>
<tr>
<td></td>
<td>Drive belt pretension insufficient</td>
<td>Move the direction selector lever to a drive position.</td>
</tr>
<tr>
<td></td>
<td>Direction of rotation change lever not in the correct position.</td>
<td></td>
</tr>
<tr>
<td>Brush does not turn despite moving direction change lever</td>
<td>V-belt defective</td>
<td>Check V-belt; replace if necessary.</td>
</tr>
<tr>
<td></td>
<td>Toothed belt defective</td>
<td>Tighten the drive belt tensioning bolt</td>
</tr>
<tr>
<td></td>
<td>Drive belt pretension insufficient</td>
<td>Adjust the toothed belt tensioning device.</td>
</tr>
<tr>
<td></td>
<td>Timing belt pretension insufficient (lever can be pushed beyond the intended holes)</td>
<td></td>
</tr>
</tbody>
</table>
## 16.2 WR 870 Battery | PRO

<table>
<thead>
<tr>
<th>Fault</th>
<th>Cause</th>
<th>Remedy</th>
</tr>
</thead>
</table>
| Motor does not start | • Flat battery  
• Fuse defective  
• Pole terminals connection fault  
• Oxidation at pole terminals | • Charge the battery.  
• Replace fuse.  
• Tighten pole terminal screws.  
• Clean with pol-grease if necessary. |
| Battery is not charging | • Oxidation at the mains plug or charger  
• Overload protection triggered by the charger | • Clean contact  
• Switch on the overload protection on the charger. |
| Abnormal noises, rattling or similar | • Loose screws on the device | • Check screw connections, re-tighten if necessary. |
| Brush does not return correctly | • Wrong sweeping height | • Adjust the sweeping height to the conditions. |
| Brush does not turn or stops at low resistance | • V-belt defective  
• V-belt tension insufficient | • Check V-belt; replace if necessary.  
• Tension the V-belt. |

After each use, connect the WR 870 Battery to the charger.
17 Decommissioning

17.1 Decommissioning

After finishing operation, the must **WR 870** be stored properly: When storing the machine, the following points must be observed:

- The **WR 870** must be placed in such a way that it cannot tip over or fall.
- At the storage site, the ambient conditions must meet the required conditions (see technical data).
- The machine, which does not have sufficient protection itself, must be protected against the effects of the weather and corrosive substances if these can impair safety.

If the machine is to be shut down for a long time, it may be necessary to take preservation measures to prevent corrosion and other damage.

17.2 Dismantling / Disposal

Disassembly/disposal should be carried out by a specialist. Using specialists in the recycling and waste management sectors ensures that waste is disposed of correctly and recycled. The existing raw materials of the **Radial Sweeper** must be sorted according to disposal type and material. The copper-containing components such as cables can be recycled. Equipment such as fuses, batteries, capacitors, regulators, etc. must be disposed of as electronic waste; these must not be disposed of with household waste in order to prevent environmental damage. The support frame and the protective covers can be recycled as metal scrap.
18 Warranty policy

The following policy for the Westermann warranty is valid as of 01.01.2002.

1. When using Westermann products in the consumer goods sector (private use), which were sold through Westermann dealers, the warranty period from the date of sale to the end customer is 2 years. When using Westermann products in the capital goods sector (commercial/professional), which were sold through Westermann dealers, the warranty period from the date of sale to the end customer is 1 year.

2. The warranty covers defects that can be attributed to material and/or manufacturer errors. Any faults resulting from a Westermann product defect or production defect during the warranty period will be recognised and remedied by repair or replacement of parts via a Westermann dealer.

3. Exempted from this are wear parts such as Bowden cables, starter cord, V-belts, bearings, clutch plates, tires, air filters, spark plugs, glow plugs, fuel filters, oil filters, sweeping brushes, rubber lips, batteries as long as these do not exhibit obvious material defects.

4. Warranty claims are generally excluded in case of poor maintenance and care. Regular maintenance and cleaning of the product according to the instructions in the Westermann operating manual is imperative. Damage due to improperly performed maintenance and cleaning work cannot be accepted as a valid guarantee claim.

5. The operating instructions for the respective product as well as safety instructions must be observed. Damage caused by operating errors, improper use or use of accessories not approved by Westermann GmbH & Co. KG cannot be accepted as a valid warranty claim.
6. It must be ensured that only original Westermann spare parts and Westermann accessories are used, which can be obtained from the Westermann dealer. If original Westermann spare parts or Westermann accessories are not used, consequential damage and increased risk of accidents cannot be ruled out. These consequential damages are not covered by the warranty.

7. From 01.01.2002 only the Westermann warranty claim process is to be used. The warranty claim information is mandatory. Exceptions cannot be made. Warranty claims without the required information cannot be processed and will be returned for completion of the missing information.

8. The Westermann Machine and Warranty certificate (warranty document) is to be completed within 4 weeks of the date of sale of the product, including the data of the end customer, the end customer's signature as well as the indication of use (private | commercial | professional) to Westermann customer service.

9. The warranty period for original Westermann spare parts is 2 years if the installation is certified by a Westermann dealer (for wear parts the restriction under point 3 applies). For warranty claims relating to replacement parts or warranty repairs, we ask you to keep the parts in question for 2 months after receipt of the warranty claim. We will, if necessary, request the relevant part for examination.

10. The ordering of required spare parts for warranty purposes can only be made via Westermann customer service for logistical reasons as of 01.01.2002. From Monday to Friday between 08:00 and 16:30 telephone orders can be placed. Please state the item number, the serial number of the device in question and your customer no. Our telephone no. is: +49 (0) 5931 / 49690-0. In addition, there is the possibility to fax us your order for warranty replacement parts. Our fax no. is: +49 (0) 5931 / 49690-99.
11. Should your warranty claim be rejected, the ordered spare parts will be charged to you at their usual purchase conditions. Invoicing also occurs if no warranty claim has been received by Westermann Customer Service within 4 weeks. If a Westermann spare part for warranty repairs is not available at short notice (within 2 working days) and you use an original Westermann spare part from your stock to repair the damage, a free replacement delivery will be made by us when available or deliverable by Westermann customer service. If a replacement part is no longer available, the purchase price paid by you will be refunded.

12. The defective parts or machines are to be sent the Westermann factory in Meppen. Upon acceptance of the warranty, the freight charges will be reimbursed.

13. The warranty claim must be submitted to Westermann customer service no later than 5 working days after the repair has been completed, in order to ensure fast processing. Warranty claims received 3 months after the repair cannot be processed.

14. All previous warranty policies as well as the conditions in the General Terms and Conditions and point 7 hereby become invalid.

Westermann GmbH & Co. KG
## 19 Spare parts list

### 19.1 WR 870 Honda | PRO

#### 19.1.1 Base frame and attachments

![Base frame WR 870 Honda](image)

**Fig. 30 - Base frame WR 870 Honda**

<table>
<thead>
<tr>
<th>Pos.</th>
<th>Item no.</th>
<th>Description</th>
<th>DIN</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LA-00-00569</td>
<td>Motor sheet</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>PE-00-00030</td>
<td>Base frame</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>MO-00-00008</td>
<td>Honda GCV 135</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>KT-00-00304</td>
<td>Brush ring</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>RE-00-00007</td>
<td>AB 1007 pneumatic tyre 260x85</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>6</td>
<td>KT-00-00430</td>
<td>V-belt</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>LA-00-00563</td>
<td>Jockey wheel holder</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>DR-00-00123</td>
<td>Handle frame</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>9</td>
<td>LA-00-00571</td>
<td>Steel profile</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>10</td>
<td>KT-00-00192</td>
<td>Bowden cable</td>
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<td>1</td>
</tr>
<tr>
<td>11</td>
<td>PE-00-00031</td>
<td>Swath plate rubber flap</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>12</td>
<td>DR-00-00124</td>
<td>Swath plate frame</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

After each use, connect the WR 870 Battery to the charger.
19.2 WR 870 Honda | Pro

19.2.1 Drive unit

![Diagram of Drive Unit WR 870 Honda]

<table>
<thead>
<tr>
<th>Pos.</th>
<th>Item no.</th>
<th>Description</th>
<th>DIN</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DR-00-00133</td>
<td>Adjustment handle</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>KT-00-00501</td>
<td>Flange bearing</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>DR-00-00125</td>
<td>Axle</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>DR-00-00131</td>
<td>V-belt pulley with 2 grooves</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>DR-00-00130</td>
<td>V-belt pulley</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>DR-00-00128</td>
<td>V-belt pulley</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>LA-00-00572</td>
<td>Adjustment plate</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>DR-00-00126</td>
<td>Pulley axle</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>DR-00-00132</td>
<td>Belt pulley 2 grooves</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>10</td>
<td>SB-00-00066</td>
<td>Deflection lever</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>11</td>
<td>DR-00-00129</td>
<td>Belt pulley 2 grooves</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>12</td>
<td>C380-22L</td>
<td>Cotter pin</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

Fig. 31 - Drive unit WR 870 Honda

After each use, connect the WR 870 Battery to the charger
### 19.3 R 870 battery | Pro

**Fig. 32 - Base frame WR 870 Honda**

<table>
<thead>
<tr>
<th>Pos.</th>
<th>Item no.</th>
<th>Description</th>
<th>DIN</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LA-00-00557</td>
<td>Base frame</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>LA-00-00558</td>
<td>Engine console</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>PE-00-00030</td>
<td>Base frame</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>KS-00-00025</td>
<td>Battery wet, 12V, 66 Ah</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>KS-00-00023</td>
<td>Charger:</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>MO-00-00007</td>
<td>A1060 DC motor 500W 12V</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>PE-00-00028</td>
<td>Cover</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>LA-00-00563</td>
<td>Jockey wheel holder</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>KT-00-00304</td>
<td>Brush ring</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>10</td>
<td>DR-00-00124</td>
<td>Swath plate frame</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>11</td>
<td>PE-00-00031</td>
<td>Swath plate rubber flap</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>12</td>
<td>KT-00-00430</td>
<td>V-belt</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>13</td>
<td>LA-00-00560</td>
<td>Selector switch</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>14</td>
<td>DR-00-00123</td>
<td>Handle frame</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>15</td>
<td>RE-00-00007</td>
<td>Pneumatic tyre 260x85</td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>

After each use, connect the WR 870 Battery to the charger.
### 19.4 Jockey wheel holder

Fig. 33 - Jockey wheel holder

<table>
<thead>
<tr>
<th>Pos.</th>
<th>Item no.</th>
<th>Description</th>
<th>DIN</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>RE-00-00010</td>
<td>125 mm solid rubber</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>LA-00-00567</td>
<td>Wheel holder</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>LA-00-00566</td>
<td>Scratcher</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>LA-00-00564</td>
<td>Support</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>DR-00-00061</td>
<td>Wheel axle</td>
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<td>1</td>
</tr>
<tr>
<td>6</td>
<td>3691427</td>
<td>Cross handle</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

After each use, connect the WR 870 Battery to the charger
20.1 Current-flow plan

After each use, connect the WR 870 Battery to the charger
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