Translation of the original Operating Instructions

Remote-controlled High Grass Rotary Mulcher
agria 9600-80

9600 011

Before commissioning please read the operating instructions and note the safety and warning information!

Operating Instructions No. 998 463GB 04.19
Nameplate

Please enter here:

| Machine art. no.: | ............................................................... |
| ID/machine no.: | ............................................................... |
| Engine type: | ............................................................... |
| Engine no.: | ............................................................... |
| Date of purchase: | ............................................................... |

For nameplate see page 4, Fig. A/18

Petrol engine: For engine no. see page 73, fig. C/2

Please provide this information for each spare parts order, to prevent errors in delivery.

Only use genuine Agria spare parts!

The technical data, illustrations and dimensions provided in these operating instructions are non-binding. No claims may be derived from them. We reserve the right to make improvements without amending this manual.

Scope of delivery (please check):

- Remote-controlled rotary mulcher
- Remote control including original operating instructions, rechargeable battery and carrying strap
- Spare battery and battery charger
- Original Operating Instructions
- Original engine operating instructions
- Machine identity card (in envelope on the machine)

Please complete the machine identity card and return to Agria-Werke.
### Symbols

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>⚠️</td>
<td>Warning symbol, reference to danger point</td>
</tr>
<tr>
<td>⚠️</td>
<td>Attachment point for recovery, lashing, towing</td>
</tr>
<tr>
<td>📘</td>
<td>Attention</td>
</tr>
<tr>
<td>📘</td>
<td>See separate engine operating instructions</td>
</tr>
<tr>
<td>📘</td>
<td>Important information</td>
</tr>
<tr>
<td>📘</td>
<td>Operating instructions</td>
</tr>
<tr>
<td>💪</td>
<td>Machine stop</td>
</tr>
<tr>
<td>💪</td>
<td>The information on the battery and in these operating instructions must be</td>
</tr>
<tr>
<td>💪</td>
<td>complied with.</td>
</tr>
<tr>
<td>🤖</td>
<td>Engine start</td>
</tr>
<tr>
<td>🤖</td>
<td>Wear eye protection</td>
</tr>
<tr>
<td>🤖</td>
<td>Engine stop</td>
</tr>
<tr>
<td>🤖</td>
<td>Wear protective gloves</td>
</tr>
<tr>
<td>™</td>
<td>Engine idle speed</td>
</tr>
<tr>
<td>™</td>
<td>No smoking!</td>
</tr>
<tr>
<td>™</td>
<td>Engine oil</td>
</tr>
<tr>
<td>™</td>
<td>Fire, naked flame and smoking prohibited</td>
</tr>
<tr>
<td>™</td>
<td>Engine oil level</td>
</tr>
<tr>
<td>™</td>
<td>Keep children away from acid, batteries and chargers</td>
</tr>
<tr>
<td>🔨</td>
<td>Fuel</td>
</tr>
<tr>
<td>🔨</td>
<td>Warning of hot surfaces</td>
</tr>
<tr>
<td>🔨</td>
<td>Explosive substances</td>
</tr>
<tr>
<td>🔨</td>
<td>Cutting height adjustment</td>
</tr>
<tr>
<td>🔨</td>
<td>Do not dispose of as domestic waste</td>
</tr>
<tr>
<td>🔨</td>
<td>Cutter on</td>
</tr>
<tr>
<td>🔨</td>
<td>Send to recycling facility for disposal</td>
</tr>
<tr>
<td>🔨</td>
<td>Cutter off</td>
</tr>
<tr>
<td>🔨</td>
<td>- agria-Service - = contact your agria service centre</td>
</tr>
<tr>
<td>🥐</td>
<td>Oil lubrication point</td>
</tr>
</tbody>
</table>

*Remote-controlled High Grass Rotary Mulcher* agria 9600-80
Designation of parts Fig. A
### Fig. A:

<table>
<thead>
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<th>Description</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Crawler track</td>
</tr>
<tr>
<td>2</td>
<td>Drive sprocket</td>
</tr>
<tr>
<td>3</td>
<td>Guide wheel</td>
</tr>
<tr>
<td>3.1</td>
<td>Clamping nut</td>
</tr>
<tr>
<td>3.2</td>
<td>Clamping nut</td>
</tr>
<tr>
<td>4</td>
<td>Travelling wheel</td>
</tr>
<tr>
<td>5</td>
<td>Linear drive for cutting height adjustment</td>
</tr>
<tr>
<td>6</td>
<td>Mowing deck</td>
</tr>
<tr>
<td>7</td>
<td>Mower coupling</td>
</tr>
<tr>
<td>8</td>
<td>Exhaust</td>
</tr>
<tr>
<td>9</td>
<td>Engine</td>
</tr>
<tr>
<td>10</td>
<td>Aerial</td>
</tr>
<tr>
<td>10.1</td>
<td>alternative aerial position</td>
</tr>
<tr>
<td>11</td>
<td>Removable fuel can</td>
</tr>
<tr>
<td>11.1</td>
<td>Tension strap for removable fuel can</td>
</tr>
<tr>
<td>12</td>
<td>EMERGENCY STOP switch</td>
</tr>
<tr>
<td>13</td>
<td>Signal light</td>
</tr>
<tr>
<td>14</td>
<td>Ignition switch</td>
</tr>
<tr>
<td>15</td>
<td>Electric motors</td>
</tr>
<tr>
<td>16</td>
<td>Transmission</td>
</tr>
<tr>
<td>17</td>
<td>Generator</td>
</tr>
<tr>
<td>18</td>
<td>Nameplate (ID/machine no.)</td>
</tr>
<tr>
<td>19</td>
<td>Starter battery</td>
</tr>
<tr>
<td>20</td>
<td>Open-ended spanner WAF 36</td>
</tr>
<tr>
<td>21</td>
<td>Wrench WAF 37</td>
</tr>
</tbody>
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1 Safety Instructions

Before commissioning, please read the operating instructions and note:

**Warning symbol**

This symbol has been used throughout these operating instructions to highlight all sections relevant to your safety. Also pass on all safety instructions to other users.

**Intended use**

The machine meets the current state of the art and complies with the applicable safety regulations at the time of marketing within the context of the approved use. In terms of design it was not possible to eliminate either the foreseeable misuse or the remaining risk without limiting the functionality in accordance with the regulations.

The **agria 9600** remote-controlled rotary mulcher comes with a mulcher which is ideal for cutting and mulching grass, herbaceous vegetation and woody growth up to one year old (intended use).

The machine is intended for working on gradients of up to 50°.

Any other use is considered to be contrary to the intended purpose. The manufacturer is not liable for any damages resulting from such use and the risk is entirely the user's own.

Intended use also includes observance of the operating, servicing and maintenance conditions stipulated by the manufacturer.

Unauthorized changes to the machine, especially to the safety equipment, may lead to increased levels of danger, which would rule out any manufacturer liability for resulting damage.

Damages resulting from the use of unapproved batteries are expressly excluded from the warranty.

The machine must be operated as directed in the operating instructions. Other operators must given instruction if required.

Any improper use or execution of activities of the machine not described in these instructions constitutes unauthorized misuse and is not within the statutory limits for liability of the manufacturer.

Improper use of the machine can endanger people and may result in damage to the machine or other property of the operator. It can also impair the functionality of the machine.

**Reasonable foreseeable misuse**

Foreseeable misuse and improper handling include inter alia:

- Transport of people and objects
- Removal or manipulation of protective and safety devices
- Failure to observe maintenance intervals
- Failure to replace wearing parts
- Incorrectly executed maintenance or repair work
- Improper use.
General safety and accident prevention regulations

**Basic rule:**

Familiarize yourself with the entire contents of these operating instructions before commissioning the machine.

Be aware of the local conditions when using the machine and always distinguish between safe and unsafe use.

Please observe the relevant accident prevention regulations as well as the generally recognized rules pertaining to safety, occupational health and traffic laws.

The use of public transportation routes is subject to the Road Traffic Act in its latest version.

Please check the traffic and operating safety of the machine before each commissioning!

The machine may only be used, serviced and repaired by persons who are familiar with it and have been instructed in the hazards involved.

The appliance may only be used by responsible adults who know these operating instructions and are familiar with the appliance. It must not be used by inexperienced persons or children.

Never use the machine in the presence of children or animals.

Never let children play with the machine, it is not a toy.

Only use the machine when there is sufficient ambient light and never use it when under the influence of alcohol, medications or drugs.

The affixed warning and information signs provide important information for safe operation; please observe them for your own safety!

The engine must be switched off for transport on motor vehicles or trailers outside the working area.

Be careful with rotating tools - keep a safe distance!

Be careful with coasting tools. Before you start working on them, wait until they have come to a complete stop!

There is a risk of crushing and shearing on power-operated parts!

Riding on the implement during operation is not permitted.

Match the operating speed to the conditions.

Do not adjust the setting of the engine speed governor. A high speed increases the risk of accidents.

**Working area and danger zone**

The working area is the entire area to be worked on. The user is responsible for third parties in the working area.

Staying in the danger zone of the machine is not permitted (see page 31).

Keep children and third parties away from the working area of the machine. Stop the machine immediately if people approach the working area.

Before you start work, check the entire working area for foreign objects (stones,
1 Safety Instructions

cables and hoses etc.) and remove them. Parts catapulted by the machine blades can hit people and cause serious injuries.

Watch out for further foreign objects, e.g., stones, tree stumps, bottles etc. during operation and mowing and if necessary, remove them in good time.

For operation in enclosed areas, ensure that a safety distance is kept from edges to prevent damage to tools.

Operation and protective devices

Before you start work

Familiarize yourself with the equipment and operating elements and their functions. Above all, learn how to turn the engine off quickly and safely in an emergency!

Ensure that all protective devices are mounted and properly adjusted!

Before each start-up check the functioning of all parts and protective devices. Replace any damaged parts - have this done by a specialist workshop if necessary. For your own safety, only use original Agria spare parts.

Suitable shoes must be worn depending on the type of ground surface (vegetation, humidity ...), so that the operator does not slip or fall.

Startup

Before you start the engine, read the engine instruction manual carefully and check that sufficient oil and petrol are present.

The remote control must be switched on and fully charged before use.

Do not start the engine in closed rooms, the exhaust fumes contain carbon monoxide, which is very toxic if inhaled!

Before starting the engine, set all operating elements to neutral or idle position.

Do not step in front of the machine to start the engine.

Do not use assist-starting liquids when using electrical assist-starting devices (jumper cable). Danger of explosion!

Operation

Only work in light conditions that guarantee an adequate view of both machine and working area.

Familiarize yourself with the appliance and remote control on flat, even surfaces first of all, and operate the control slowly. Ensure that you have plenty of room and operate the various functions such as forward/reverse, direction changes and ascending/descending slopes slowly.

Avoid dangerous spots and operation on wet or damp surfaces where water may collect unseen. Operation in rain or with wet grass will generally lead to an inferior mulching result due to clogging of the cuttings. Always bear in mind that the appliance is equipped with live electrical and electronic components.

The remote control has a range of around 300 m.

However, do not let the machine out of your sight when it is in operation. Your view of the machine can be concealed by banks, bushes, hills and the like. Losing visual contact with the machine can be very dangerous for people, objects and for the machine itself.

Keep a suitable distance from the machine during operation. Do not approach the running appliance and never place your hands or feet underneath the appliance or cutting mechanism.
1 Safety Instructions

Keep a proper footing and hold the remote control firmly in your hand, to avoid losing control of the appliance.

Set up the operating conditions of the machine so that the machine is not overloaded. Reduce the speed if necessary.

Never put yourself or the machine in a position where the machine could slip or tip over and run over you.

Always move the machine so that the front is not directed at people or objects. Take the rebound of cuttings or foreign objects into account when operating close to walls or obstacles.

Switch off the drive of the operating elements when crossing particularly gritty surfaces.

Wear safety goggles and a dust mask when working on dusty surfaces. Use protective gloves when carrying out work on the machine.

Always switch the engine off and wait for the blades to stop before approaching the machine. Never approach the machine from below on sloping terrain.

Before cleaning and other work on the machine switch off the engine, appliance and remote control and wait for the blades to stop.

Important: Actuation of the EMERGENCY STOP switch on the remote control switches off all parts of the machine immediately.

The appliance also cuts out immediately if the distance between the remote control and the machine is too great or in the event of disturbances in the transmission frequency. Always keep your distance to the machine so that you can safely monitor, control and influence it at all times.

Clear blockages on the appliance using a stick or suitable tool after the machine and engine have come to a stop, the ignition switch is switched off and after removing the key or spark plug connector as well as switching off the remote control.

If the machine hits a foreign object, switch off the engine, appliance and remote control, wait for the blades to stop, check for damage and repair any damaged parts before switching the appliance on again.

Always keep the appliance in a clean, well-kept and properly maintained condition. This will maintain its efficiency and ensure safe operation. Keep the remote control clean and dry and avoid oil and grease residues.

Work with sharp blades. If the blades need to be replaced or sharpened, wear protective gloves to carry out the relevant activities.
Keep the safety signs and instruction manual in good condition; exchange or replace them if necessary.

**Operation on slopes**

⚠️ Do not work on slopes on which the appliance could tip over. This could cause serious damage to the appliance or other objects and injuries to bystanders.

Work across the slope along the contour line and in an upwards direction when turning, if possible.

Watch out for holes, furrows, elevations and other objects, to prevent slipping or tipping over.

Bear in mind that high grass can conceal obstacles, hazards and small animals.

Avoid working on wet ground in steep terrain. Special care should be taken in the area of ditches and river banks.

**Additional safety instructions for children and animals**

Children can easily mistake this appliance for a toy. Therefore, never leave the machine or the remote control unattended.

⚠️ Bear in mind that children and animals may appear in places where you don't expect them. Be particularly careful when approaching areas that are not open to view, bushes, trees or other objects, which could obstruct your view of children or animals.

**Finishing work**

Never leave the machine unsupervised while the engine is running.

Switch the engine off before leaving the machine. Then close the fuel tap(s) (if present).

Take care not to park the hot machine in the blazing sun.

To protect against unauthorized use, remove the keys from the remote control and protect the machine against rolling away.

**Maintenance**

Only trained specialist personnel, who can carry out professional maintenance and repair, may carry out this work.

Do not carry out maintenance and cleaning with the engine running.

When working on the engine always remove the ignition key (if present) and also the spark plug connector in the case of petrol engines.

Protective devices and tools that are subject to wear and tear must be regularly inspected and replaced if necessary!

Damaged cutting tools must be replaced!

When replacing cutting tools use suitable tools and protective gloves.

Do not carry out repairs such as welding, grinding or sharpening, drilling etc. on structural, safety-relevant parts!

Disconnect the battery before commencing welding work.

During welding work, make sure that the electrical and electronic components of the machines are not influenced.

Keep the machine and attachments clean, to avoid the risk of fire.

Regularly check nuts and bolts for tightness and retighten if necessary.

After maintenance and cleaning, ensure that the protective devices are reinstalled and properly adjusted!

Only use genuine Agria spare parts.

Carry out a functional and safety test after completing the work.

**Storage**

Never store the machine in rooms with open heating. Do not park the machine in closed rooms with fuel left in the tank. Fuel vapours are hazardous.
Engine, fuel and oil

Do not run the engine in a closed room. There is a high risk of poisoning! Therefore always replace damaged exhaust parts.

**Handle hot engine components with caution!**

The silencer and other engine parts get very hot when the engine is running and are still hot directly after the engine is switched off. Keep a sufficient distance from hot surfaces and keep children away from the running engine.

Caution is needed when handling fuel. There is an increased risk of fire. Never handle fuel near open flames, ignitable sparks or hot engine parts.

Only replace cans with the engine switched off and cooled down.

Make sure fuel is of the specified quality. When replacing cans, make sure that the fuel connections are fitted tightly to the can caps again.

Never fill canisters to the brim. Fuel expands when the temperature rises.

Make sure that there is enough reserve in the canister for the expansion of the fuel.

In the interests of safety, replace the fuel tank cap and other tank caps if damaged.

Store anti-corrosion agents and stabilizer fluids out of the reach of children. If sickness and vomiting occur, consult a doctor immediately. In the event of contact with the eyes rinse immediately with plenty of water. Avoid inhaling vapours. Read and observe enclosed instructions!

Before disposing of opened and seemingly empty pressurized tins make sure they are completely empty. Empty them in a well-ventilated area safe from sparks and flames. Dispose of tins as hazardous waste if necessary.

When working with oil, fuel and grease wear suitable protective gloves and use skin protection agents if necessary.

Be careful when draining hot oil, danger of burns.

Make sure the oil used is of the specified quality. Store in approved containers only.

Dispose of oil, fuel, grease and filters separately and properly.
1 Safety Instructions

Electrical system and battery

When working on the electrical system always disconnect the battery (negative terminal).

Ensure that the battery is connected correctly - first the positive terminal and then the negative terminal! Reverse the sequence when disconnecting!

Only use specified fuses. If the rating of the fuses used is too high, the electrical system may be irreparably damaged - danger of fire!

Always cover the positive terminal with the specified cover or terminal cap.

Additional safety instructions for batteries

Never charge the appliance in the rain or in damp rooms. Remove the battery cable from the battery before all maintenance and cleaning. Only use the batteries specified in these instructions. The batteries must not be opened or damaged, or stored near heat sources.

Any leaking substances are corrosive and can cause damage to eyes and skin. Do not inhale vapours or gases, as they may be toxic.

When handling batteries always take care that tools, rings, bracelets or keys do not inadvertently cause a short circuit across the terminals. This may result in burns.

Danger: The substances contained in batteries are electrically conductive and corrosive and damaging to eyes and skin. Wear safety goggles and protective clothing to protect your eyes and skin. Wash hands thoroughly after contact. After contact with the eyes, immediately rinse the eyes with plenty of water and consult a doctor.

ATTENTION: Only use genuine batteries. Other batteries can cause damage to the machine or personal injury. The batteries supplied with this machine are sealed and maintenance-free and can be overturned without any risk of fluid leakage. Several hours may be required to charge a completely discharged battery.
Description of warning and mandatory symbols

Before commissioning the machine, read and observe the operating instructions and safety instructions.

Before carrying out cleaning, maintenance or repair work switch off the engine, operate the EMERGENCY STOP switch and remove the key switch from the remote control.

Keep a safe distance from the blades when the engine is running!

Only touch machinery parts when they have come to a complete stop.

Be careful of catapulted parts, particularly on stony ground. Keep a safe distance when the engine is running.

Remove foreign objects from the working area.

When working with the machine wear individual protective ear plugs
- Wear safety shoes.

Handle hot engine components with caution!

Special charger required.

Warning of hand injuries.

Do not spray with water!
## 2 Technical Data

**Remote-controlled rotary mulcher**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Engine:</strong></td>
<td>Kawasaki</td>
</tr>
<tr>
<td><strong>Traction drive:</strong></td>
<td>Infinitely variable electrical drive for crawler track 48 V</td>
</tr>
</tbody>
</table>
| **Travel speeds:**                 | Forward 0 - 10 km/h  
Reverse 0 - 10 km/h |
| **Brake:**                         | Short-circuit brake |
| **Ground pressure:**               | 118 g/cm² (11,8 kPa) |
| **Mulch drive:**                   | V-belt with clutch |
| **Speed of blade shaft:**          | 2000 rpm |
| **Blade:**                         | Sickle blade, 1 x ø 800 mm |
| **Area capacity:**                 | approx. 3600 m²/h at 5 km/h |
| **Control:**                       | Electrical, remote control with joystick |
| **Remote control range:**          | max. 300 m |
| **Normal working range of remote control:** | max. 100 m |
| **Ambient temperature:**           | -5 to +40 °C |
| **Acoustic output level:**         | $L_{WA} = 103.0$ dB according to EN ISO 3744 |
| **Bearing lubricant:**             | Permanent lubrication |
| **Weight:**                        | (with full fuel tank) 451 kg |
| **Cutting height adjustment:**     | 50-200 mm |
| **Ground clearance:**              | 50-200 mm |
| **Cutting width:**                 | 80 cm |

**Dimensions (mm):**

![Dimensions Diagram]
Petrol engine

**Engine:** Kawasaki

**Designation:** FS600V

**Type:** Air-cooled, 2-cylinder, 4-stroke, OHV petrol engine with carburettor vented from the inside and magnet. Shut-off valve

**Bore x stroke:** 73 x 72 mm

**Cubic capacity:** 603 ccm

**Power:** 12.7 kW (17.3 DIN HP) at 3600 rpm

**Torque:** 40.4 Nm at 2200 rpm

**Spark plug:** NGK BPR4ES

**Electrode gap:** 0.75 mm

**Ignition:** electronic, radio-interference-suppressed in accordance with VDE 0879

**Valve clearance:** (with cold engine) Inlet and outlet 0.10 - 0.15 mm

**Starting device:** Electric starter 12 V

**Generator:** 16 A

**Battery:** 12 V 14 Ah

**Fuel:** Standard petrol for motor vehicles, octane number see engine operating instructions

**Fuel consumption:** 322 g/kWh

**Fuel can capacity:** 10.0 l

**Air filter:** Double element air filter with cartridge and foam pre-filter

**Operating speed:** 3500 rpm

**Idle speed:** 2750 rpm

**Lubrication:** Forced-feed circulation lubrication

**Engine oil:** Multigrade oil, filling quantity: 1.5 litre without oil filter change

1.7 litre with oil filter change

at ambient temperature -15 to +45 °C: SAE 10W-40, API classification SJ or higher

**Slope capability:**
The engine is suitable for use on slopes (with "max." engine oil level = upper filling mark): Continuous operation up to inclination of 50° (119 %).
3 Devices and Operating Elements

Preparation of the machine

- Remove the machine from the packaging.
- 🔄 Packaging should be recycled in an environmentally friendly manner.
- Make sure that the machine is switched off with the ignition switch on the machine (A/14) in position O.

Basic functioning of the system

Machine

The complete unit comprises two main components: the machine for mulching and the radio remote control.

The machine is intended for mulching grass, herbaceous vegetation and woody growth up to one year old.

The machine has a petrol engine, which drives the generator and the mulching device. The generator supplies the electric motors which drive the crawler tracks.

The control and the remote control receiver are located in the right side of the machine, in the cover under the fuel can or underneath in the mowing deck.

The machine is equipped with an EMERGENCY STOP switch (A/12). The ignition switch (A/14) is also located on the machine.

Remote control

All other commands are issued via the remote control transmitter during normal operation. The engine speed and the cutting height adjustment can be preset on the remote control, even while the engine is off.

During operation the travel speed, cutting height, engine speed and the mulch drive clutch are controlled via the remote control.

An EMERGENCY STOP switch is also installed on the remote control (B/11).

The appliance uses the frequencies approved in the country of use.

The range of the remote control is around 300 m maximum with optimal conditions such as battery level, obstacles in the radio link, disturb-
ances and interference from the environment etc.

The usual working range of the remote control is approx. 100 m, depending on the conditions.

In the interests of safety the remote control is set so that the engine is switched off as soon as the machine goes out of range. This distance may therefore vary with different conditions.

In the basic version of the machine, the aerial (A/10) is mounted on the hood of the generator guard.

In case the machine has to carry out mowing work where the aerial may make contact with branches, bushes or other material, we recommend that the aerial is mounted at an alternative position (A/10.1).

The aerial then has a better protection against possible damage.

When installing the aerial in the alternative position, take care that the aerial cable is routed and fastened in such a manner that contact with moving parts in the mowing deck, such as, e.g., V-belt is ruled out.

With the alternative aerial position, the range of the remote control is a little less than with the basic version.

Petrol engine

The four-stoke petrol engine uses standard petrol (see chapter Commissioning, page 30).

During the first 20 hours of operation (running-in period) do not use the engine at full power.

The rule of never using the engine at a higher speed than necessary for the work in hand applies even after the running-in period.

High speeds are detrimental to all engines and significantly reduce their service life. This especially applies for no-load operation! Over-revving the engine (letting it roar) can result in immediate damage.

Ignition system

The petrol engine has a contactless electronic
3 Devices and Operating Elements

ignition system. We recommend that any necessary inspections are carried out by a professional.

Cooling

The engine is fan-cooled. Always keep the fan grille (C/1) on the engine free from cuttings and dirt.

Idle speed

Always ensure that the engine idle speed is adjusted correctly. When idle speed is selected with the remote control, the engine should run at the recommended speed, so that the machine can be easily moved with the electric gear motors without mulching.

If the pre-set idle speed is not reached, the electronics of the traction drive control unit switches off.

For example, switching on the mulch drive or when running too fast through cuttings that are too high may lead to reduced speed. This reduced speed switches off when the speed of the traction drive control unit is too low.

A respective complete restart of the remote control and the machine is necessary here.

Air filter

The air filter (C/8) cleans the incoming air. A clogged filter will reduce the engine output.
3 Devices and Operating Elements

Warning signal

The warning signal sounds when the ignition switch is turned to position "I" while the engine is stopped. The signal stops as soon as the engine is running and if oil pressure is present.

The warning signal stops also when you return the ignition switch to position "O".

The battery is discharged when the ignition is switched on for a longer time without the engine running.

If the warning signal sounds while the engine is running, the engine oil pressure is not OK.

- Check the engine oil level immediately. Top up engine oil if necessary,

however the engine oil level is OK:

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Removable fuel can

Change the can only on a level ground.

Always transport the can closed (even when empty).

**Ensure for the correct seating of the seals. Always keep the venting screw on the can sets closed.**

After changing the can, route the fuel lines back into the area that protects against foreign objects. In doing so, avoid scouring points on the fuel hoses.

When moving the machine, and in particular during transportation, the can must always be secured against unintended movement using the tensioning strap (A/11.1).
Traction drive

Crawler drives
The machine is driven by crawler drives. The tracks run on the drive sprockets (A/2), guide wheels (A/3) and travelling wheels (A/4). The crawler tracks are tensioned with the guide wheels. The crawler track tension is adjusted with the tightening screws on the adjustable mountings of the guide wheels.

Transmission and electric motors
The drive wheels (A/2) of the crawler drives are located on the transmission shafts (A/12). The transmissions are driven by electric motors. The power for the electric motors is generated by the generator (A/17). The speed of the electric motors and the travel speed of the machine are controlled via the remote control.

Mower drive
The blades are driven by the petrol engine via an electromagnetic clutch with V-belt pulley and a V-belt. The electromagnetic clutch is located on the engine shaft underneath the V-belt pulley for the generator.

Cutting height adjustment
The cutting height can be adjusted from 50 to 200 mm. The values are entered on the remote control with the mowing deck up / down button (B/7), and the linear drive (A/5) moves the mowing deck accordingly.

⚠️ Make sure that no objects (tools, wood, etc.) are located on the mowing deck during lifting, as this could cause damage to the machine, especially the electric motors.
Remote control
The machine is controlled via the remote control.

(1) **Joystick**
The travel direction and travel speed are controlled with the joystick.

(2) **Display**
The machine settings and the strength of the radio signal are shown on the display.

(3) **Travel speed range**
The machine's top speed is adjusted in three levels with the travel speed selector switch. Speed ranges 1-2-3 correspond to 2-4-10 km/h. Levels 1 and 2 are intended for working, level 3 for moving without mulching.

(4) **Engine speed**
The engine speed is adjusted from idle speed (min.) to operating speed (max.) with the 'rpm' switch.

(5) **Key switch**
The remote control is switched on and off with the key switch.

(6) **Release**
The green 'release' button activates radio contact between the remote control and the machine.

(7) **Mowing deck up/down**
The 'mowing deck' switch is used to adjust the cutting height.

(8) **Mowing drive on/off**
The mowing drive switch switches the mowing drive on and off via an electromagnetic clutch.

(9) **Engine on**
The petrol engine is started with the 'engine on' switch.

(10) **Green LED, radio connection**
Quick flashing of the LED indicates that the radio connection is interrupted or is being restored, slow flashing indicates that the radio connection is present.

(11) **Emergency stop switch**
When the EMERGENCY STOP switch is pressed, the petrol engine and the mowing drive of the machine are switched off.

(12) **Red LED, functioning of the transmission unit and battery condition**
Illumination of the red LED indicates insufficient battery charging or another error within individual functions.

(13) This button is not assigned for using the rotary mulcher.

**Display on remote control**

The following machine states and settings are shown on the display:

1. Travel speed
2. Cutting height
3. Hours of operation
4. Strength of the radio signal
5. State of charge of the battery in the remote control
6. Mower on/off
### Electrical system

The machine's electrical system controls the electrical drive system and the petrol engine by converting the operator's inputs on the remote control.

The machine's electrical system consists of the remote control receiver, the programmable logic control and the power electronics as well as relays and fuses.

The remote control receiver and the relays are located on the left-hand side in the mowing deck housing (A/6).

The power electronics is located in the upper housing behind the petrol engine.

An electric connection with 12 V 5 A for external consumers is located in the hood of the generator guard.

It comprises a 2-pin socket housing and can be used for consumers such as, e.g., warning lamps, lighting, etc.

Under certain circumstances, permanent power usage via this connection may discharge the starter battery.

### Short-circuit brake

To prevent the machine from rapidly rolling away on a slope when the petrol engine is not running, the electric motors are automatically short-circuited when the engine is stopped. This generates a braking effect and sharply reduces the roll-away speed, but does not bring the machine to a complete standstill. Therefore take the relevant safety measures, e.g. chocks, immediately and do not leave the machine unattended.

When towing the machine for recovery disconnect a power cable on each of the electric motors. This disables the short-circuit brake. In this case the petrol engine must not on any account be run or started.
Batteries

The starter battery of the machine is located under the fuel can under the cover on the right.

This 12V battery (A/19) for the starter is charged from the engine via a generator.

Connect the red battery cable to the positive terminal and the black one to the negative terminal.

The positive terminal (red cable) must be covered to prevent short circuit.

⚠️ **Short circuit and damage to the outer skin of the battery can cause rapid discharge and extreme heating of the battery!**

ℹ️ **Only replace this battery with an original battery.**

The remote control is powered by a Li-Ion rechargeable battery. The charger as well as a spare rechargeable battery necessary for this are enclosed.

ℹ️ **Only use original Agria or autec rechargeable batteries.**

⚠️ **An insufficient state of charge of the rechargeable battery will lead to errors in the radio transmission, resulting in partial or total loss of control over the machine. This can result in hazardous situations.**
Instructions for correct conditioning of the rechargeable batteries for the remote control

1. To achieve the optimum autonomy values for the rechargeable batteries you should initially carry out three completely charge/discharge cycles.
2. Charge the rechargeable batteries again for at least 12 hours before first commissioning.
3. To preserve the conditioning state, charge the rechargeable batteries every two months, even if they have not been used.
4. Charge the rechargeable batteries in a dry, ventilated area. Never charge the rechargeable batteries in proximity to moisture, heat sources, open flames or chemical products.
5. Do not allow rechargeable batteries to discharge completely before recharging if possible.
6. Store rechargeable batteries in frost-free conditions.

Rechargeable battery charger

Only charge the rechargeable batteries of the remote control using the charger provided. The electrical cables of the charger must be intact. Damaged cables must be replaced by a professional immediately.
Attachment points

Straps must be fastened to the attachment points for towing, recovery, securing for safe transport and loading the machine.

Lashing to other points may result in damage.
Check straps for damage and replace if necessary!
Do not use sharp-edged load carrying equipment (e.g. sharp-edged hooks, eyes etc.)!

Never walk or stand under suspended loads. Danger to life!
4 Commissioning and Operation

Commissioning

Please note that the engine's service life and operational reliability are heavily dependent on the running-in time. Always allow a cold engine to warm up for a few minutes first of all and do not run up to full power immediately.

During the first 20 hours of operation (running-in period) do not use the engine at full power.

⚠️ **Attention:** The engine is not filled up with engine oil for transport reasons!

**Fill the engine with engine oil before first commissioning, but do not go beyond the maximum level!**

→ 📚 Engine operating instructions

To avoid starting problems, the fuel can must be completely full for first commissioning and after prolonged periods of non-operation.

This engine runs smoothly with conventional unleaded regular and premium petrol (also E10) as well as Super plus.

**Do not add oil to petrol.**

Only use fresh, clean fuel (no older than 3 months) and only use approved fuel cans available from specialist dealers. Do not use rusted metal cans or plastic containers which are not fuel-resistance.

ℹ️ **Always remember good filter care and clean fuel. Use only branded petrol.**

⚠️ **Caution is needed when handling fuel.**

Petrol is highly flammable and explosive under certain conditions!

🚫 **Do not refuel in closed rooms.**

🚫 Never refuel near naked flames, ignitable sparks or hot engine parts.
No smoking when refueling!

To fill the fuel can, always remove from the machine. Only change cans with the engine switched off and cooled down.

⚠️ Always observe the information for the removable fuel can on page 21.

Danger zone

⚠️ Staying in the danger zone of the machine during startup and operation is not permitted.

If the operator notices that people or animals are in the working area, the machine must be switched off immediately and not restarted until this area is clear.

The user is responsible for third parties in the working area (entire area to be worked on).

Danger zone
Remote-controlled high grass rotary mulcher

\[
\begin{align*}
V & \quad H & \quad S \\
4 \text{ m} & \quad 4 \text{ m} & \quad 1 \text{ m}
\end{align*}
\]

⚠️ Never approach the machine from below on sloping terrain.
Starting the appliance - basics

Check tightness of nuts and bolts, especially the blade fixing screws - see page 47.

The acoustic pressure level is less than 85 dB(A) from a distance of more than 3 m. If you are regularly closer to the machine than 3 m you should use protective ear plugs.

Before starting the machine, make sure that no children or animals are in the working area.

The working area must also be free of objects which could come into contact with the blades or other rotating parts. These could cause serious personal injuries and damage to property or to the appliance itself.

Check that the safety devices provided are functioning properly before commencing work.

- Interference could be caused by third parties in the vicinity using the same frequency. Make sure that no active transmitters in the same frequency band are present in your vicinity.
- Make sure that the battery of the remote control is fully charged.
- Make sure that the fan filter is free of cuttings or other soiling.
- Before starting the blade drive make sure that the blades can rotate freely. If the rotation of the blades is impeded (by foreign bodies), the blade drive could be damaged.

Read the operating instructions of the remote control carefully before use.
Before starting the engine

- Sufficient fuel in the tank?
- Air filter clean?
- Check engine oil level

⚠️ Only put the machine into operation after all protective devices have been mounted, are functional and in protection position.

⚠️ Never start or allow the engine to run in enclosed rooms or rooms that are not ventilated.

It is essential to ensure for sufficient ventilation and a quick extraction of the exhaust fumes. The exhaust fumes contain carbon monoxide that is highly toxic when inhaled.

Handle hot engine components with caution!
The silencer and other engine parts get very hot when the engine is running and are still hot directly after the engine is switched off. Keep a sufficient distance from hot surfaces and keep children away from the running engine.

⚠️ When the petrol engine is running, do not touch or remove the ignition cable or spark plug connector.

Starting the petrol engine

1. Release the EMERGENCY STOP switch (A/12) on the machine (turn it to the left) and switch on the machine ignition with the ignition switch (A/14) - beep sounds.
2. Release the EMERGENCY STOP switch (B/11) on the remote control (turn it to the right) and switch on the remote control with the key switch (B/5) on the left-hand side of the remote control (turn key to the right).

3. Press and hold the green release button (B/6) on the left-hand side of the remote control for 2 seconds. The remote control LED (B/10) flashes quickly at first, and then slowly when the radio connection is established. The display starts up on the display screen. The strength of the radio signal is indicated by the bar at the bottom right of the display.

4. Decrease the engine speed with the 'rpm' switch (B/4) until the servomotor for throttle regulation has reduced to idle speed. The servomotor makes an audible noise when running. As soon as the speed is reduced to idle speed, the noise stops.

5. Press the engine start switch (B/9) on the remote control upwards until the engine starts.

ℹ️ If the pre-set idle speed is not reached, the electronics of the traction drive control unit switches off.

For example, switching on the mulch drive or when running too fast through cuttings that are too high may lead to reduced speed. This reduced speed switches off when the speed of the traction drive control unit is too low.

A respective complete restart of the remote control and the machine is necessary here.
Working with the machine

1. Move the machine to the working area and stop with the mowing deck over a clear space. Steering and travel speed are controlled with the joystick (B/1). Move the joystick slowly:
   - up = forward
   - down = reverse
   - to the left = left, - to the right = right.

   **The machine's speed depends on the position of the joystick.**

   **Use the joystick on the remote control carefully and avoid sudden changes of direction.**

2. Set the required cutting height with the mowing deck up / down switch (B/7). The cutting height is shown on the display (B/2). It can be changed during operation and also when the engine is off.

3. Select the travel speed range with the travel speed selector switch (B/3). Choose position 1 or 2 for mulching, depending on the vegetation. Only use position 3 to move the machine without mulching.

4. Increase the engine speed to full throttle with the rpm switch (B/4) (press + rpm).

5. Switch on the mowing drive with the 'mowing drive' switch (B/8) and move to the area to be worked on.
The machine can be turned on the spot. This is done in zero-turn mode.
To switch to zero-turn mode, a direction (right or left) must be selected on the joystick B/1.
Zero-turn is only possible if the travel speed is minimal but not 0, i.e. after the joystick is moved fully to the right or left, it must also be moved slightly forward or back.

⚠ To prevent undue damage to ground and vegetation, avoid abrupt steering manoeuvres.
Improve your skills in handling the machine on slopes with a smaller gradient first of all, and only tackle steeper slopes when you have more experience.
- Negotiate steeper slopes predominantly along the contour line (across the slope), so that a wide zig-zag line effectively results.
- You can work both forward and in reverse in contour line mode. As 180 °turns of the machine are not necessary, the area capacity increases significantly.

⚠ Wherever possible avoid situations where, due to the terrain, not all wheels (A/3 and A/4) of the running gear are in contact with the crawler track (A/1), for example on embankments or when passing through ditches.
There is an increased risk that the machine may slip off the crawler tracks and the crawler tracks may jam on the machine.
As you can see opposite, such a situation always arises when the machine inclination and the contact area of a crawler track are at different angles.
Keep your hands away from the crawler track mechanisms while the machine is in operation.
Stopping the machine

1. Switch off the mowing drive with the mowing drive switch (B/8).

2. Raise the mowing deck completely with the mowing deck switch (B/7).

3. Before switching off the engine, decrease the engine to idle speed with the rpm switch (B/4).

Park the machine in a safe place.

The engine can be switched off either on the machine or with the remote control.

Switching off the engine with the remote control:

The engine can only be switched off with the remote control by pressing the EMERGENCY STOP switch (B/11).

Wait until the engine has stopped.

Switching off the engine on the machine:

Either position the ignition switch (A/14) to "O" or press the EMERGENCY STOP switch (A/12).

Wait until the engine has stopped.

Do not forget to switch off the ignition with the ignition switch (A/14), even if the engine has been switched off with the remote control.
Also operate the EMERGENCY STOP switches (A/12 and B/11) of the remote control and machine and leave them pressed down, as the batteries may gradually self-discharge under certain circumstances.

⚠️ Pressing an EMERGENCY STOP switch (A/12 or B/11) in case of emergency causes the engine and the mulching drive to switch off immediately.

⚠️ Attention: The braking distance of the machine depends on the ambient conditions. This is particularly important when you drive downhill.

⚠️ First allow the engine to cool down before storing in closed rooms.

Moving the machine

If the machine has to be moved for towing or recovery with the engine switched off, the short-circuit brake must be rendered inoperative by disconnecting a power cable (1) on each electric motors.

⚠️ Make sure that the petrol engine is off and is not started until the cables have been completely mounted again.

Also see Devices and Operating Elements page 26.
5 Maintenance and Repair

As well as observing the operating instructions valid for the machine, it is equally important to pay due attention to the following instructions on care and maintenance.

Larger maintenance and repair tasks may only be carried out by trained specialists who can carry out professional maintenance and repair.

You should only undertake smaller maintenance and repair tasks yourself if you have the relevant tools and training for machinery and combustion engines.

Only use genuine Agria spare parts.

Carry out a functional and safety test after completing the work.

Lubricants and anti-corrosive agents

Use the lubricant specified for the engine (see "Technical Data").

We recommend using **bio-anti-corrosive oil** to preserve machines and attachments (do not apply on painted covers). The oil can be brushed or sprayed on.

Bio-lubricants and bio-anti-corrosive agents are environmentally friendly, as they are quickly biodegradable.

By using bio-lubricants and bio-slushing oil you act environmentally responsible, protecting the environment and promoting the well-being of humans, animals and plants.

Ensure that the engine is switched off and the key is removed from the remote control prior to carrying out all service and maintenance work!

Wear protective gloves when working on the blades!

When working with oil, fuel and grease wear suitable protective gloves and use skin protection agents if necessary.
5 Maintenance and Repair

General

Before each start-up check for escaping fuel and oil and eliminate the cause.
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Regularly check nuts and bolts for tightness and retighten if necessary.

At least annually and after cleaning:
Lubricate all sliding or moving parts with bio-lubricating grease or bio-lubricating oil.

Check EMERGENCY STOP switches

Check EMERGENCY STOP switch on the remote control at each start-up
Switch on ignition and remote control. When you press the EMERGENCY STOP switch (B/11) on the remote control, the remote control must switch off and the green LED (B/10) will flash rapidly.

Check EMERGENCY STOP switch on the machine at each start-up
Switch on ignition and remote control. When you press the EMERGENCY STOP switch (A/12) on the machine, the remote control must switch off and the green LED (B/10) will flash rapidly.

⚠️ On no account continue working with the machine if the EMERGENCY STOP switches are not functioning correctly. In this case switch the ignition off and contact
- agria-Service -
Petrol engine

Check engine oil level

Before each start-up and after 8 hours of operation

- only with the engine switched off and on level ground

Engine operating instructions

Engine oil level below "min." and above "max." will result in engine malfunctions and even engine failure!
**Change engine oil**

For the first time after 8 hours of operation, then after 100 hours of operation or annually, depending on which occurs first:
- while the engine is still warm, but not hot **danger of burns!**

- Clean oil filler nozzle (C/3) and surrounding area.
- Detach the oil drain hose from the engine side.
- Unscrew and remove the oil drain cap. Carefully lower the oil drain hose into an approved container and allow the oil to drain out.
- Fit the oil drain cap and secure the oil drain hose on the engine side.
- Ensure proper disposal of the old oil.
- Pour in fresh engine oil and check the engine oil level.
- Run the engine, check the oil level again and top up if necessary.

- For engine oil quality see "Technical Data" page 17.

**Fuel filter**

Replace the fuel filter (C/12) annually.
Note flow direction!
Fan grille

After long periods of operation the cooling system may become clogged with dirt or plant particles. Clean the fan grille (C/1) regularly to prevent overheating and engine damage. Check before each start-up!

Air cooling system

1.) Clean rotating fan wheel at least every 50 hours of operation (sooner in case of heavy dust and plant debris accumulation); remove the fan housing to do this.
2.) Clean the interior cooling fins and surfaces at least every 100 hours of operation (sooner in case of heavy dust and plant debris accumulation).

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Exhaust system and speed governor

Regularly check the exhaust system (A/8), governor lever, linkage and governor springs for soiling and plant debris and clean with a brush or compressed air if necessary. **Danger of fire - due to dirty exhaust system!**

Check before each start-up.

Replace damaged exhaust parts.

The speed governor must be correctly adjusted in order to start, operate and stop the engine at the correct speed.

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All further maintenance and care of the engine instructions
Battery

Check state of charge of the battery every 100 h

Make sure that the ignition is switched off and that no current consumers are running. Consumers that are not permanently disconnected will cause a gradual voltage drop.

Check the battery (A/19) with a voltage tester. The voltage must be above 12.4 V. If the voltage is too low, charge the battery and repeat the test.

If the battery does not retain sufficient charge although it is not used, it must be replaced.

Follow the instructions of the battery manufacturer!

Charging:

- Special charger required.
- Remove the battery from the machine, for this purpose, disconnect it starting at the negative terminal.
- Connect the positive terminal of the battery to the positive output of the charger, and likewise for the negative connection.
- Only switch the charger on after connecting the battery.
- Recommended charging current: 1/10 amps of battery capacity Ah.
- For recharging use a charger with a constant charging voltage of 14.4 V.
- The battery is fully charged when the charging voltage has not increased in 2 hours.
Battery maintenance

- Keep the battery clean and dry.
- Only wipe the battery with a damp cloth, as otherwise there is a danger of explosion.
- Do not open the battery.

⚠️ Never leave the battery discharged! Avoid sparks and open flames near batteries. Do not damage the housing! Only use specified fuses. Using incorrectly dimensioned fuses will irreparably damage the electrical system - Risk of fire!

Taking the battery out of service

- Charge battery, store in a cool place and disconnect negative terminal from the machine.
- Regularly check state of charge and recharge if required.

Disposal

- Dispose of old batteries at the appropriate collection point (store and transport in a stable position to prevent damage to housing).
- Never dispose of batteries in domestic waste!
Machine

Blades

Check blades for wear and damage every 25 hours of operation

1. Move blades into the highest position of the cutting height adjustment. Switch engine off.

2. **Switch ignition off and remove the spark plug connector!**

3. Check the blades (1), retaining screws (2), blade carrier (3) and the blade shaft (4) for damage. The blade shaft can be turned manually, so that all blades can be checked.

   🚨 **Wear protective gloves!**

4. Replace damaged blades.
   The replacement of blades (1) should only be carried out by a specialist workshop. Contact **agria-Service** - if the blade shaft is damaged.

**Blade replacement**

If it is evident that the blades (1) are too worn for further use, they must be replaced.

⚠️ **Switch off the ignition and remove the spark plug connector!**

   🚨 **Wear protective gloves when working on the blades, as they may be sharp.**

Disassembly / assembly of the blade carrier (3) is carried out using wrench WAF 37 (A/21).

To remove the blades, unscrew the retaining screw (2). Mount new blades.

After changing the blade, secure the screws with screw lock (e.g., Loctite 270).

Always replace blades on a blade carrier (3) in pairs - left and right simultaneously.

The arrangement of the blades must be as mounted in the original layout.

**Check blade drive V-belt**

Make sure that the ignition is switched off. The V-belt is located beneath the engine mount and...
can be accessed by opening the side covers on the engine mount.

⚠️ Check the V-belt tension after first putting into service after **5 operating hours**, then after every **25 operating hours**. For correct V-belt tension see section below.

**Correct V-belt tension:**
The V-belt give way by approximately 15...20 mm when you press your thumb on it.

Adjustment and belt replacement should be carried out by a specialist workshop or **- agria-Service -**

**To tension the V-belt, proceed as follows:**
1. Loosen fixing screw (1) and locknut (2)
2. Tension V-belt over tensioning pulley with clamping nut (3)
3. Tighten fixing screw (1) and locknut (2)

Check the V-belt for wear and damage.
Replace the V-belt if it is damaged.
Replacement of the belt should only be carried out by a specialist workshop or **- agria-Service -**.
Crawler tracks

Check crawler track tension each day
The crawler tracks must be firmly positioned on the wheels. They may need to be tensioned or loosened.

Setting the crawler track tension
Start with clamping nut (A/3.2) on the spring assembly. Turn far enough so that the crawler tracks protrude approx. 2 – 3 cm beyond the edge of the mowing deck.

To prevent the crawler tracks from being over-tensioned, first the respective rear clamping nut may have to be slackened accordingly (A/3.1).

Then set the crawler track tension using the rear clamping nut (A/3.1).
Use the open-ended spanner WAF 36 (A/20).

The tensioning of the crawler tracks must be set so that measured from the plate spring assembly a dimension of 24 – 27 mm is reached from the front to the frame.

Insufficient track tension is the main cause of loosing the tracks.

Intensive sun radiation during work leads to a significant elongation of the crawler tracks and thus to a reduction of the track tension.
Check crawler tracks for damage
Check the crawler tracks (A/1) for damage with the ignition switched off and the spark plug connector removed. Start the engine and move the machine forward, so that you can check the other part of the crawler tracks.

⚠️ Keep your hands away from crushing points when moving the machine!

Switch off the engine and ignition and remove the spark plug connector before continuing the inspection!

Repeat the instructions above, until you have checked the entire length of both crawler tracks. Change the crawler tracks if they are damaged. The crawler tracks must only be changed in a specialist workshop or - agria-Service -.

Traction drive generator

Brush contacts on the generator
When working in dusty and aggressive atmospheres, dust and dirt accumulations may develop on the brush contacts.

To prevent premature wear, we recommend that the brush contacts are checked and cleaned after every 50 hours of operation by a specialist workshop and replaced if necessary.

Checking the V-belt tension on the generator
Make sure that the ignition is switched off. The V-belt is located beneath the engine mount and can be accessed by opening the side covers on the engine mount.

Check the V-belt tension after every 25 hours of operation. For correct V-belt tension see section below.
Correct V-belt tension:
The V-belt give way by approximately 15...20 mm when you press your thumb on it.

Adjustment and belt replacement should be carried out by a specialist workshop or - agria-Service -

To tension the V-belt, proceed as follows:
1. Loosen the fixing screws (1) and locknuts (2) on the left and right of the generator
2. Tension V-belt by moving the generator with the tightening screws (3)
3. Tighten fixing screws (1) and locknuts (2)

Check the V-belt for wear and damage.
Replace the V-belt if it is damaged.
Replacement of the belt should only be carried out by a specialist workshop or - agria-Service -

Electric motors

Brush contacts
When working in dusty and aggressive atmospheres, dust and dirt accumulations may develop on the brush contacts.
To prevent premature wear, we recommend that the brush contacts are checked and cleaned after every 50 hours of operation by a specialist workshop and replaced if necessary.
Transmission

The transmissions are maintenance-free and lifetime-lubricated.

In the event of an oil leak contact - agria-Service -

Remote control

Charging the rechargeable battery of the remote control
Charge the rechargeable battery of the remote control daily after finishing work using the charger provided.

The rechargeable battery is located in the lower part of the remote control.

Inserting the rechargeable battery:
1. Press rechargeable battery against the contacts on the remote control
2. Press the rechargeable battery down.

Removing the rechargeable battery:
3. Press rechargeable battery against the contacts on the remote control
4. Lift the rechargeable battery out.

Follow the same procedure for the charger.

Replacing the rechargeable battery of the remote control
If the rechargeable battery of the remote control no longer maintains an adequate charge or runs down too quickly, it must be replaced. The expected service life of a rechargeable battery is 3 to 6 years. This also depends on the conditioning.

The battery is located in the lower part of the remote control. Remove and insert the rechargeable battery as described in the section on charging the rechargeable battery.

Further information on the remote control
Cleaning

**Engine**

Only clean the engine with a cloth. Do not spray with water, as water could enter the ignition and fuel system and cause malfunctions.

**Machine**

Clean thoroughly with water immediately after each use.

Do not expose electric cables and components to direct water jets.

Then lubricate all sliding parts with bio-lubricating oil or grease with bio-lubricating grease.

Clean the track running gear of grass and other residues.

Clean the drive sprockets, guide wheels and travelling wheels of the crawler track of grass and plant debris with a stick or other suitable tool.

⚠️ **Never use your hands!**

Clean the machine, particularly electrical components, fan grille and petrol engine of grass, leaves and other objects.

Clean the flaps at the front and rear of the mowing deck, as well as their suspensions.

The flaps must move smoothly.

ℹ️ **Only freely swinging flaps can prevent the ejection of cuttings or foreign objects.**
Storage

Please note the following points for storing the machine:

- Clean the machine thoroughly as described.
- Switch the machine off and disconnect the positive terminal if necessary. Operate the EMERGENCY STOP switches on machine and remote control and leave them pressed down, as under certain circumstances the batteries may gradually self-discharge. Remove batteries from the remote control.
- Protect the machine against rolling away and against unauthorized use.
- Switch off the ignition switch (A/14) and remove the key of the remote control (B/5).
- Store the machine in a clean, dry area. The area should be free of corrosive substances such as fertilizer or salt, well ventilated and safe from access by children or third parties.
- Do not cover the machine with a plastic sheet or similar. The moisture accumulating underneath can lead to greater corrosion.
Labels

Worn and missing warning and mandatory symbols for operating and safety instructions must be replaced.

729 84  Four-stroke engine - check oil daily
787 64  Attachment point
794 26  Warning symbol for hot parts
105 292  Warning symbol set for rotary mulcher
105 021  Warning of hand injuries
QR code  If your mobile phone has the function for reading the QR code, you are able to access the operating instructions for this machine at all times.
105 958  Do not spray with water
105 959  Attention, special charger required
104 216  I O
6 Troubleshooting and Remedies

⚠ Observe the safety instructions! Faults on the machine or on the engine that make a major intervention necessary must always be repaired by a specialist agria workshop that have the necessary tools. Incorrect intervention will only lead to damage.

Remote control

<table>
<thead>
<tr>
<th>Fault</th>
<th>Possible cause</th>
<th>Remedy</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>The green LED of the FB does not light up when pressing the unlocking button. The rechargeable battery and the key switch are inserted.</td>
<td>The rechargeable battery is flat</td>
<td>Insert charged rechargeable battery.</td>
<td>52</td>
</tr>
<tr>
<td>The green LED of the remote control flashes rapidly.</td>
<td>No radio connection</td>
<td>Move the transmitter closer to the receiver unit</td>
<td>18</td>
</tr>
<tr>
<td>The red LED of the remote control illuminates for 2 seconds and then the remote control switches off.</td>
<td>The transmitter is not working correctly.</td>
<td>Save the address: - Press EMERGENCY STOP - Press and hold release button until green LED goes out - Release EMERGENCY STOP - agria-Service -</td>
<td></td>
</tr>
<tr>
<td>The red LED of the remote control flashes once during startup.</td>
<td>The EMERGENCY STOP switch is actuated or defective.</td>
<td>Deactivate EMERGENCY STOP switch. If the message remains - agria-Service -</td>
<td>41</td>
</tr>
<tr>
<td>The red LED of the remote control flashes twice during startup.</td>
<td>At least one of the operating elements relating to the commands D2-D20 and SAFETY is active or defective.</td>
<td>Return the operating elements to normal position. If the message remains - agria-Service -</td>
<td></td>
</tr>
<tr>
<td>The red LED of the remote control flashes three times during startup.</td>
<td>The battery is flat.</td>
<td>Insert charged rechargeable battery.</td>
<td>52</td>
</tr>
<tr>
<td>The red LED of the remote control flashes four times during startup.</td>
<td>At least one of the operating elements relating to the commands A1-A8, L1-L8, H1-H8 and SAFETY is active or defective. See remote control operating instructions</td>
<td>Return the operating elements to normal position. If the message remains - agria-Service -</td>
<td></td>
</tr>
</tbody>
</table>
## Rotary mulcher

<table>
<thead>
<tr>
<th>Fault</th>
<th>Possible cause</th>
<th>Remedy</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blade shaft does not turn</td>
<td>V-belt of blade drive too loose</td>
<td>Re-tension V-belt</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>V-belt of blade drive defective</td>
<td>Replace V-belt</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>Blade blocked by foreign object</td>
<td>Remove foreign object</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cable to clutch defective</td>
<td>Check wiring and replace if necessary</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Clutch defective</td>
<td>Replace clutch</td>
<td></td>
</tr>
<tr>
<td>The crawler tracks do not move when the joystick is operated</td>
<td>Crawler tracks are blocked by grass residues or other foreign objects</td>
<td>Remove residues or blockage</td>
<td>53</td>
</tr>
<tr>
<td></td>
<td>Wiring on electric motors defective</td>
<td>Check wiring and replace if necessary</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wiring on generator defective</td>
<td>Check wiring and replace if necessary</td>
<td></td>
</tr>
</tbody>
</table>
| | Brush contacts on electric motors worn | Check brush contacts and replace if necessary  
- agria-Service - | 51 |
| | Brush contacts on generator worn | Check brush contacts and replace if necessary  
- agria-Service - | 50 |
| | Traction drive control unit off due to low engine speed | New start of the remote control and the machine, engine speed to full speed. | 34 |
| The crawler tracks run more slowly than they should | Crawler tracks are hampered by grass residues or other foreign objects | Remove residues or blockage | 53 |
| | Brush contacts on electric motors worn | Check brush contacts and replace if necessary  
- agria-Service - | 51 |
| | Brush contacts on generator worn | Check brush contacts and replace if necessary  
- agria-Service - | 50 |
### 6 Troubleshooting and Remedies

#### Petrol engine

<table>
<thead>
<tr>
<th>Fault</th>
<th>Possible cause</th>
<th>Remedy</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric starter works but petrol engine does not start</td>
<td>Fuel container empty or unsuitable fuel</td>
<td>Fill fuel container with fresh fuel</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>Fuel line clogged</td>
<td>Clean fuel line</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Spark plug connector not mounted</td>
<td>Mount spark plug connector</td>
<td>BM</td>
</tr>
<tr>
<td></td>
<td>Spark plug defective</td>
<td>Clean, adjust or replace spark plug</td>
<td>BM</td>
</tr>
<tr>
<td></td>
<td>Too much fuel in engine (flooded)</td>
<td>Clean and dry spark plug, start with FULL THROTTLE</td>
<td>BM</td>
</tr>
<tr>
<td></td>
<td>Air filter soiled</td>
<td>Clean air filter</td>
<td>BM</td>
</tr>
<tr>
<td></td>
<td>Air infiltration through loose carburettor and intake pipe</td>
<td>Tighten fixing screws</td>
<td>BM</td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>Fault</th>
<th>Possible cause</th>
<th>Remedy</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>The mowing deck cannot be raised</td>
<td>Linear drive defective</td>
<td>Repair or replace linear drive</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Foreign objects on the mowing deck</td>
<td>Remove foreign object</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>Wiring to linear drive defective</td>
<td>Check wiring and replace if necessary</td>
<td></td>
</tr>
<tr>
<td>The mowing deck cannot be lowered</td>
<td>Linear drive defective</td>
<td>Repair or replace linear drive</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wiring to linear drive defective</td>
<td>Check wiring and replace if necessary</td>
<td></td>
</tr>
<tr>
<td>Radio connection is interrupted during operation</td>
<td>Distance between remote control and machine is too great</td>
<td>Do not allow the distance to become too great</td>
<td>18</td>
</tr>
<tr>
<td>Excessive vibration</td>
<td>Fixing screws loose</td>
<td>Tighten fixing screws</td>
<td>41</td>
</tr>
<tr>
<td></td>
<td>Imbalance on blade shaft</td>
<td>Check blade shaft and blades, replace blades if necessary</td>
<td>47</td>
</tr>
</tbody>
</table>
# 6 Troubleshooting and Remedies

<table>
<thead>
<tr>
<th>Fault</th>
<th>Possible cause</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric starter is not working</td>
<td>Electric starter or solenoid switch defective</td>
<td>Replace electric starter or solenoid switch - agria-Service -</td>
</tr>
<tr>
<td></td>
<td>Flat battery</td>
<td>Charge or replace battery</td>
</tr>
<tr>
<td></td>
<td>Ignition switch defective</td>
<td>Replace ignition switch - agria-Service -</td>
</tr>
<tr>
<td></td>
<td>Error in wiring or control</td>
<td>Check cables and replace if necessary - agria-Service -</td>
</tr>
<tr>
<td>Petrol engine misses</td>
<td>Ignition cable loose</td>
<td>Connect spark plug connector securely to ignition cable, attach spark plug</td>
</tr>
<tr>
<td></td>
<td>Fuel line clogged or unsuitable fuel</td>
<td>Clean fuel line, fill with fresh fuel</td>
</tr>
<tr>
<td></td>
<td>Water or dirt in fuel system</td>
<td>Drain fuel and fill with clean, fresh fuel</td>
</tr>
<tr>
<td></td>
<td>Air filter soiled</td>
<td>Clean or replace air filter</td>
</tr>
<tr>
<td></td>
<td>Carburettor out of tune</td>
<td>Adjust carburettor - agria-Service -</td>
</tr>
<tr>
<td>Petrol engine gets too hot</td>
<td>Insufficient engine oil</td>
<td>Top up engine oil immediately</td>
</tr>
<tr>
<td></td>
<td>Cooling air system restricted</td>
<td>Clean cooling air system</td>
</tr>
<tr>
<td></td>
<td>Air filter soiled</td>
<td>Clean air filter</td>
</tr>
<tr>
<td></td>
<td>Carburettor incorrectly adjusted</td>
<td>Adjust carburettor - agria-Service -</td>
</tr>
<tr>
<td>Petrol engine has insufficient power</td>
<td>Air filter soiled</td>
<td>Clean air filter</td>
</tr>
<tr>
<td></td>
<td>Cylinder head loose or gasket damaged</td>
<td>Tighten cylinder head, replace gasket - agria-Service -</td>
</tr>
<tr>
<td></td>
<td>Insufficient compression</td>
<td>Have engine checked - agria-Service -</td>
</tr>
<tr>
<td>Fault</td>
<td>Possible cause</td>
<td>Remedy</td>
</tr>
<tr>
<td>-------</td>
<td>---------------</td>
<td>--------</td>
</tr>
<tr>
<td>Warning signal does not sound when the motor is stopped</td>
<td>Ignition is not switched on</td>
<td>Release the EMERGENCY STOP switch&lt;br&gt; turn the ignition switch to &quot;I&quot;</td>
</tr>
<tr>
<td>Beeper defective</td>
<td></td>
<td>Replace beeper&lt;br&gt; - agria-Service -</td>
</tr>
<tr>
<td>Fuse defective</td>
<td></td>
<td>Replace fuse</td>
</tr>
<tr>
<td>Harness defective</td>
<td></td>
<td>Check harness&lt;br&gt; - agria-Service -</td>
</tr>
<tr>
<td>The warning signal sounds while the engine is running</td>
<td>The engine oil pressure is not OK</td>
<td>Check the engine oil level immediately. Top up engine oil if necessary&lt;br&gt; however the engine oil level is OK:&lt;br&gt; - agria-Service -</td>
</tr>
<tr>
<td>Oil pressure switch defective</td>
<td></td>
<td>Replace oil pressure switch</td>
</tr>
<tr>
<td>The cans were not emptied in the correct order</td>
<td>Error in the fuel system</td>
<td>Close the venting screws on the can set&lt;br&gt; Leak rectified</td>
</tr>
</tbody>
</table>

FB = Remote control, BM = See separate operating instructions for engine
7 Decommissioning / Disposal

If the machine will not be further used, it must be correctly decommissioned.

⚠️ To avoid injuries during decommissioning, park the machine in a stable position and protect it against tipping over and rolling away.

 Wear protective gloves.

After decommissioning, the remaining fuel and oil must be drained and disposed of in a correct and environmentally compatible manner.

循环经济 The machine consists of valuable raw materials, which can be recycled and reused.

Take the machine including the remaining technical fluids to a recycling facility for disposal.

Dispose of old batteries and electrical/electronic parts in accordance with the applicable legal provisions. Do not dispose of as domestic waste.
## Inspection and Maintenance Overview

<table>
<thead>
<tr>
<th>Task Description</th>
<th>After hours of operation (h)</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check function of machine EMERGENCY STOP switch</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check function of remote control EMERGENCY STOP switch</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check function of machine ignition switch</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check operating functions of remote control</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clean fan grille</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check or top up engine oil level</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check fuses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check air filter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check nuts and bolts for tightness</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clean exhaust and surrounding area</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check blades and blade fixing for wear and damage</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check track tension</td>
<td></td>
<td></td>
</tr>
<tr>
<td>First engine oil change, all others</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clean air filter foam insert</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check crawler tracks for damage</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check V-belts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cleaning</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clean fan wheel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clean inside of cooling fins</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clean air filter paper insert</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- A: After each hour
- B: After every 5 hours
- R: After every 8 hours
- W: Weekly
- K: Quarterly
### All other inspection and maintenance tasks on the engine

<table>
<thead>
<tr>
<th>Task</th>
<th>A</th>
<th>After hours of operation (h)</th>
<th>B</th>
<th>R</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check state of charge of battery</td>
<td>W</td>
<td></td>
<td></td>
<td></td>
<td>45</td>
</tr>
<tr>
<td>Change air filter insert</td>
<td>W</td>
<td>W</td>
<td>W</td>
<td>BM</td>
<td></td>
</tr>
<tr>
<td>Change the oil filter</td>
<td>W</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Change fuel filter</td>
<td>W</td>
<td>W</td>
<td>W</td>
<td>43</td>
<td></td>
</tr>
<tr>
<td>Change spark plugs</td>
<td>W</td>
<td>W</td>
<td>W</td>
<td>BM</td>
<td></td>
</tr>
<tr>
<td>Check valve clearance</td>
<td>F</td>
<td></td>
<td></td>
<td>BM</td>
<td></td>
</tr>
<tr>
<td>Check blade shaft</td>
<td>F</td>
<td></td>
<td></td>
<td>47</td>
<td></td>
</tr>
<tr>
<td>Check clutch</td>
<td>F</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check brush contacts of electric motors</td>
<td>F</td>
<td></td>
<td></td>
<td>51</td>
<td></td>
</tr>
<tr>
<td>Check brush contacts of generator</td>
<td>F</td>
<td></td>
<td></td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>Lubricate all sliding parts</td>
<td>K</td>
<td>K</td>
<td></td>
<td>41</td>
<td></td>
</tr>
<tr>
<td>Change blades</td>
<td>W</td>
<td></td>
<td></td>
<td>47</td>
<td></td>
</tr>
<tr>
<td>Change belt of blade drive</td>
<td>W</td>
<td></td>
<td></td>
<td>47</td>
<td></td>
</tr>
<tr>
<td>Change crawler tracks</td>
<td>W</td>
<td></td>
<td></td>
<td>49</td>
<td></td>
</tr>
<tr>
<td>Change battery of remote control</td>
<td>K</td>
<td></td>
<td></td>
<td>52</td>
<td></td>
</tr>
</tbody>
</table>

### Instructions:
- **A** = before each start-up
- **B** = after each cleaning, especially with a high-pressure cleaner
- **BM** = See separate operating instructions for engine
- **F** = maintenance tasks should be performed by your **agria** service centre
- **J** = at least annually
- **K** = inspection and maintenance tasks can be performed by the operator
- **R** = as required
- **W** = maintenance tasks can be performed by a specialist workshop
- **!** = observe execution
Remote-controlled High Grass Rotary Mulcher agria 9600-80

Machine electric diagram
<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Voltage controller</td>
<td>21</td>
<td>Relay box</td>
</tr>
<tr>
<td>2</td>
<td>Electric starter</td>
<td>22</td>
<td>Automobile relay</td>
</tr>
<tr>
<td>3</td>
<td>Starter relay</td>
<td>23</td>
<td>Electromagnetic clutch</td>
</tr>
<tr>
<td>4</td>
<td>Starter battery 12 V / 14 Ah</td>
<td>24</td>
<td>SUPERSEAL plug connector 2-pin</td>
</tr>
<tr>
<td>5</td>
<td>Linear drive accelerator adjustment</td>
<td>25</td>
<td>SUPERSEAL plug connector 3-pin</td>
</tr>
<tr>
<td>6</td>
<td>Linear drive for cutting height adjustment</td>
<td>26</td>
<td>SUPERSEAL plug connector 5-pin</td>
</tr>
<tr>
<td>7</td>
<td>Wiring harness, 12 V</td>
<td>27</td>
<td>SUPERSEAL plug connector 6-pin</td>
</tr>
<tr>
<td>8</td>
<td>Wiring harness, relay box</td>
<td>28</td>
<td>Condenser</td>
</tr>
<tr>
<td>9</td>
<td>Wiring harness, CAN-Bus</td>
<td>29</td>
<td>Relay for the solenoid</td>
</tr>
<tr>
<td>10</td>
<td>Wiring harness, hood</td>
<td>30</td>
<td>Solenoid for choke control</td>
</tr>
<tr>
<td>11</td>
<td>Power electronics</td>
<td>31</td>
<td>Fuse 15 A</td>
</tr>
<tr>
<td>12</td>
<td>Electric motors</td>
<td>32</td>
<td>Fuse 5 A</td>
</tr>
<tr>
<td>13</td>
<td>Generator</td>
<td>33</td>
<td>Electric connection 12 V / 5 A</td>
</tr>
<tr>
<td>14</td>
<td>Main relay for the working current circuit</td>
<td>34</td>
<td>Wiring harness, choke</td>
</tr>
<tr>
<td>15</td>
<td>Aerial</td>
<td>35</td>
<td>Wiring harness, engine</td>
</tr>
<tr>
<td>16</td>
<td>Remote control receiver</td>
<td>36</td>
<td>Beeper</td>
</tr>
<tr>
<td>17</td>
<td>EMERGENCY STOP latching switch</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Red LED signal lamp</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>Ignition switch</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>CAN I/O module (PLC)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Remote control assignment diagram
Paints, Charger, Wear parts

Agria order no.

**Petrol engine fuel stabilizer:**

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Description</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>673 50</td>
<td>Fuel stabilizer</td>
<td>250 ml</td>
</tr>
</tbody>
</table>

**Paints:**

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Description</th>
<th>Type</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>181 03</td>
<td>Spray paint, birch green</td>
<td>Spray can</td>
<td>400 ml</td>
</tr>
<tr>
<td>712 98</td>
<td>Spray paint red, RAL 2002</td>
<td>Spray can</td>
<td>400 ml</td>
</tr>
<tr>
<td>509 68</td>
<td>Spray paint black, RAL 9005</td>
<td>Spray can</td>
<td>400 ml</td>
</tr>
</tbody>
</table>

**Charger for starter battery:**

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9679 111</td>
<td>Charger 12 V</td>
</tr>
</tbody>
</table>

**Wear parts:**

**Machine**

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 850</td>
<td>Sickle blade top</td>
</tr>
<tr>
<td>100 166</td>
<td>Sickle blade bottom</td>
</tr>
<tr>
<td>105 456</td>
<td>Blade drive V-belt</td>
</tr>
<tr>
<td>105 466</td>
<td>Generator V-belt</td>
</tr>
<tr>
<td>104 961</td>
<td>Crawler track</td>
</tr>
<tr>
<td>105 469</td>
<td>Remote control battery</td>
</tr>
</tbody>
</table>

**Kawasaki engine**

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>789 81</td>
<td>Fuel filter</td>
</tr>
<tr>
<td>421 040</td>
<td>Paper air filter insert</td>
</tr>
<tr>
<td>421 041</td>
<td>Foam air filter insert</td>
</tr>
<tr>
<td>789 88</td>
<td>Spark plug, Bosch WR8DC</td>
</tr>
<tr>
<td>421 048</td>
<td>Engine oil filter</td>
</tr>
</tbody>
</table>

**Spare parts lists:**

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>997 172</td>
<td>Remote-controlled rotary mulcher 9600</td>
</tr>
<tr>
<td>997 148</td>
<td>Kawasaki engine</td>
</tr>
</tbody>
</table>
Designation of parts Fig. B

1. Joystick
2. Display
3. Travel speed range
4. Engine speed
5. Key switch
6. Release
7. Mowing deck up/down
8. Mowing drive on/off
9. Engine on
10. Green LED, remote control
11. EMERGENCY STOP switch
12. Red LED
13. Reserve button (not assigned)
### Designation of parts Fig. C

<table>
<thead>
<tr>
<th></th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Fan grille</td>
</tr>
<tr>
<td>2</td>
<td>Engine no.</td>
</tr>
<tr>
<td>3</td>
<td>Oil dipstick / oil filler neck</td>
</tr>
<tr>
<td>4</td>
<td>Oil filter</td>
</tr>
<tr>
<td>5</td>
<td>Oil drain plug</td>
</tr>
<tr>
<td>6</td>
<td>Spark plug/spark plug connector</td>
</tr>
<tr>
<td>7</td>
<td>Carburettor</td>
</tr>
<tr>
<td>8</td>
<td>Air filter</td>
</tr>
<tr>
<td>10</td>
<td>Control unit</td>
</tr>
<tr>
<td>11</td>
<td>Starter</td>
</tr>
<tr>
<td>12</td>
<td>Fuel filter</td>
</tr>
<tr>
<td>13</td>
<td>Fuel pump</td>
</tr>
</tbody>
</table>
Designation of parts Fig. C
Declaration of Conformity

EG-Konformitätserklärung
EC Declaration of Conformity

D
Wir erklären, dass das Produkt Sichelmulcher ferngesteuert mit allen einschlägigen Bestimmungen der EG-Maschinenrichtlinie 2006/42/EG in Übereinstimmung ist.

F
Nous déclarons que le produit Tondeuse à lame télécommandée est conforme à toutes les exigences respectives selon la directive relative aux machines 2006/42/CE.

GB
We herewith declare that the product Remote controlled rotary mower conforms to all relevant specifications of the Directive on Machinery 2006/42/EC. It is also conform to all relevant specifications of following EC directives:

NL
Wij verklaren dat het produkt Cirkelmulchmaaier met afstandsbediening voldoet aan de desbetreffende bepalingen van de EG-machinerichtlijn 2006/42/EG.

9600 011

mit allen einschlägigen Bestimmungen der EG-Maschinenrichtlinie 2006/42/EG in Übereinstimmung ist.

Die Maschine ist auch in Übereinstimmung mit allen einschlägigen Bestimmungen der folgenden EG-Richtlinien:

2004/108/EC; 1995/5/EC

Folgende harmonisierte Normen (oder Teile davon) oder techn. Spezifikatio nen wurden angewendet:

Les normes harmonisées (ou extraits de celles ci) ou les spécifications techniques suivantes ont été appliquées:

Following harmonized standards (or parts of it) or technical specifications have been applied:

DIN EN ISO 13849-1: 2008;

Möckmühl, den 20.07.2015

Klaus Mies
Geschäftsführer

Johannes-Georg Müller
Leiter Entwicklung & Konstruktion

Directeur
Responsable développement et études

Managing Director
Head, Research and Development

Bedrijfsleider
Hoofd ontwikkeling en constructie

Herr Müller ist bevollmächtigt die technischen Unterlagen zusammenzustellen.
Monsieur Müller est habilité à agencer la documentation technique.
Mr. Müller is authorized to assort the technical documents.
De heer Müller is gemachtigd om de technische documentatie op te stellen.

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