Multi-purpose power hoe 100-R

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

Operating Instructions No. 998 744b 01.10
Please complete:

<table>
<thead>
<tr>
<th>Machine Type No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identification No.</td>
</tr>
<tr>
<td>Engine Type:</td>
</tr>
<tr>
<td>Engine No.</td>
</tr>
<tr>
<td>Date of Purchase:</td>
</tr>
</tbody>
</table>

For name plate, refer to p3/fig.A/8.
For engine type and number, refer to p3/fig. B/6.
Please state these data when ordering spare parts to avoid wrong deliveries.

Only use original agria spare parts!
Specifications, figures and dimensions stated in these instructions are not binding. No claims can be derived from them. We reserve the right for improvements without changing these instructions.

Amount of delivery:
- Operating instructions
- Power hoe/multi-purpose machine
- Standard hoeing tools 50 cm
- Mounted guard 50 cm
- Depth bar
- Tool kit
- Handlebar with tool kit and knob screw

Symbols

- Warning – Danger
- Choke
- Important information
- Fuel
- Oil
- Engine Start
- Engine Stop
- Air filter
- Visual check
- Clutch
- Hoeing drive
- Forward
- Reverse
- Slow
- Open
- Closed

agaia - Service = please contact your specialised agria workshop
**Designation of Parts**

**Figure A**

1. Handlebar
2. Tool kit
3. Steering bar
4. Engine
5. Weight holder/engine guard
6. Gear shift lever
8. Name plate (machine identification number)
9. Transmission oil control plug
10. Name plate for trailer linkage
11. Guard
12. Guard discs
13. Hoeing tools, left side
14. Hoeing tools, right side
15. Gearbox housing cap / transmission oil drain plug, filling opening
16. R-clip for depth bar
17. Hitch
18. Depth bar
19. V-belt guard
20. Attachment nut of belt guard

**Figure B**

1. Air filter
2. Carburetor
3. Fuel tank cap
4. Fuel tank
5. Choke lever
6. Engine type number
7. Starter handle
8. Cooling-air screen
9. Exhaust with guard
10. Spark plug, spark plug connector
11. Engine oil plug (also filling and control opening)
12. Engine oil drain plug
13. Fuel tap
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agria Multi-Purpose Power Hoe 100-R
Recommendations

Lubricants and Anti-Corrosive Agents:
Use the lubricants specified for engine and gearbox (see “Specifications”).
We recommend using Bio-lubricating oil or Bio-lubricating grease for “open” lubrication points or nipples (as specified in the operating instructions).
We recommend using Bio-slushing oil to preserve machines and attachments (do not apply on painted covers). You can brush or spray the oil.
Anti-corrosive agents are environmentally friendly and degrade fast.
Using ecologically safe Bio-lubricants and Bio-anti-corrosives, you contribute to environmental protection and to the wellbeing of humans, animals and plants.

Fuel
This engine runs smoothly on conventional unleaded regular and super-grade petrol as well as on leaded supergrade petrol.
Do not add oil to petrol.
If, for environmental reasons, you use unleaded petrol, make sure the fuel is drained completely when shutting down the engine for more than 30 days. This is to prevent resin residue from depositing in the carburetor, fuel filter, and tank. Or add a fuel stabilizer to the fuel. For further instructions refer to „Engine Preservation“.

Maintenance and Repair:
The trained mechanics of your agria workshop expertly carry out any maintenance and repair work.
Only carry out major maintenance work and repairs on your own, if you have the proper tools and knowledge of machines and internal combustion engines.
Do not hammer against the flywheel with a hard object or metal tools as it might crack and shatter in operation, causing injuries and damage. Only use suitable tools to pull off the flywheel.
1. Open the top of the cardboard box.

2. Mount handlebar
   Remove screw (2) together with washer (3).
   - Place the toothed ring (4) of the steering handle (1) onto the toothed ring of the steering bar joint. Insert screw (2) together with washer (3) from the top and tighten it. Make sure that Bowden cables and electric cables are routed in such a way that they do not get squeezed or damaged.
   - Attach all cables and electric lines to the handlebars using the retaining clips (7).

3. Fit the hoeing tools and hoeing guards
   or
   - Fit the drive wheels

4. Mount the depth bar

5. Carry out all steps for starting-up
1. Safety Instructions

Before starting the machine, read the operating instructions and note:

**Warning**

This symbol marks all paragraphs in these operating instructions which affect your safety. Pass all safety instructions on to other users and operators.

**Due Use**

The multi-purpose power hoe is a hand-controlled automatic single-axle machine which can power and/or pull various implements approved by the manufacturer. Propulsion is achieved using the hoe tools approved by the manufacturer. The multi-purpose power hoe is intended for use in turning over the ground and for snow clearance in landscape gardening (including the leisure sector). The area to be covered must be in line with the usual size of such areas in landscape gardening. (Due use)

Any other type of operation is considered undue. The manufacturer is not liable for any damages resulting from undue use, for which the risk lies with the user alone.

When the multi-purpose power hoe is used on public roads, the local national road traffic rules must be observed, e.g. reflectors, lights.

The multi-purpose power hoe is not intended for use on such areas as very stony or rocky ground or as a tree-stump milling machine.

Due use includes compliance with manufacturer’s instructions on operation, maintenance and repair.

Any unauthorized changes to the multi-purpose power hoe render manufacturer liability null and void.

---

**General Instructions on Safety and Accident Prevention**

**Basic Rule:**

The respective national accident prevention regulations have to be adhered to, as well as all other generally accepted rules governing operational safety, occupational health and road traffic regulations.

When driving on public roads, you have to observe the current traffic code.

Accordingly, check the multi-purpose machine for road and operational safety each time you take up operation.

Only persons familiar with the machine and instructed on the hazards of operation are allowed to use, maintain and repair the machine.

Teenagers younger than 16 years are not allowed to operate the machine!

Only work in good light and visibility.

Operator’s clothes should fit tight. Avoid wearing loose fitting clothes. Wear solid shoes.

Note the warning and instruction signs on the machine for safe operation. Compliance is for your own safety.

When transporting the machine on vehicles or trailers outside the area to be cultivated, ensure that the engine is turned off.

Careful with rotating tools – keep at a safe distance!

Beware of coasting tools. Before you start any maintenance or repair on them, wait until tools have come to a complete stop.

Foreign powered parts shear and crush!
1. Safety Instructions

Riding on the attachment during operation is not permitted.

Mounted or trailed attachments and loads/weights affect the machine’s driving, steering, braking, and tipping characteristics. Therefore, ensure that steering and braking functions are sufficient. Match operating speed to conditions.

Do not change settings of governor. High engine speed increases risk of accidents.

Working Area and Dangerous Area

The user is liable to third parties staying within the machine’s working range.

Staying in the hazardous area is not permitted.

Check the immediate surroundings of the machine before you start it. Watch out for children and animals.

Before you start work, clear the area from any foreign object. During operation, always watch out for further objects and remove them in time.

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

Operation and Safety Devices

Before you start the engine

Become familiar with the devices 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 positioned to provide protection.

With no attachment mounted, make sure PTO-shaft is covered with the cap.

Starting the engine

Do not start engine in closed rooms. The carbon monoxide contained in the exhaust fume is extremely toxic when inhaled.

Before you start the engine, move all controls to neutral or idling speed.

When starting the engine, do not step in front of the machine and the attachment.

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

Operation

Never leave the operator’s position at the steering handle while the machine is at work.

Never adjust the handles during work – danger!

During operation keep a distance to the machine as defined by the length of the steering handle, especially not when you turn the machine.

Riding on the attachment during operation or in transport is not permitted.

In case of blockages in the attachment, turn off the engine and clean the attachment with an appropriate tool.

In case of damage to the machine or the attachment, immediately turn off the engine and have it repaired.

If steering causes problems, immediately bring the machine to a halt and turn it off. Have the malfunction repaired without delay.

To prevent the machine from slipping on slopes make sure it is secured by another person using a bar or a rope. This
1. Safety Instructions

person must be located at a higher position than the vehicle at a safe distance from the attachment at work.

If possible, always work diagonally to the slope.

End of Operation

Never leave the machine unattended with the engine running.

Before you leave the machine, turn off the engine. Then close fuel taps.

Secure machine against unauthorized use. If the machine is equipped with an ignition key, remove the key. On other versions, remove the spark plug connector.

Attachments

Only mount attachments with the engine and PTO switched off.

Always use appropriate tools and wear gloves when changing attachments and parts thereof.

For mounting and dismounting attachments bring the stands into proper position and ensure stability.

Secure the basic machine and attachments against rolling off (parking brake, wheel chocks).

Beware of injuries while coupling attachments.

Linkage attachments as specified and only couple at specified points.

Secure basic machine and attachment against unauthorized use and rolling off when you leave the machine. If necessary, install transport or protective devices and secure.

Hoeing

Adjust the hoeing guards in such a way that only the tool penetrating the soil are not covered.

When hoeing, make sure the depth bar is adjusted properly.

Weights

Always fit weights properly and at specified points.

Maintenance

Do not maintain or clean the machine while the engine is running.

Before you work on the engine, always remove the spark plug connector.

Check regularly and, if necessary, replace all guards and tools subject to wear and tear.

Replace damaged cutting tools.

Always wear safety gloves and use proper tools when exchanging cutting tools.

Do not carry out repairs like welding, grinding, drilling, etc. on structural and safety parts (e.g. coupling devices)!

Keep the basic machine and the attachment clean to avoid risk of fire.

Check nuts and bolts regularly for tight fit and re-tighten, if necessary.

Ensure that you re-install all guards and adjust them properly after maintenance and cleaning.

Only use original agria spare parts. All other commercial spare parts must correspond to quality and technical requirements specified by agria.
1. Safety Instructions

Storage
It is not allowed to store the machine in rooms with open heating.
Never park the machine in closed rooms with fuel left in tank. Fuel vapours are hazardous.

Engine, Fuel, and Oil
Never let the engine run in closed rooms. Extreme danger of intoxication! For the same reason, also replace damaged exhaust pipes immediately.
Be careful when dealing with fuel. Great danger of fire! Never refill fuel close to open fire, inflammable sparks or hot engine parts. Do not refill fuel in closed rooms. Do not smoke when refilling!
Refill only with the engine switched off and cooled down.
Do not spill any fuel, use a proper filling device.
In case of fuel-spillage, pull the multi-purpose machine away from the spillage before you start the engine.
Make sure fuel is of specified quality. Store fuel in approved cans only.
Store anti-corrosive agents and stabilizing liquids out of reach of children. If sickness and vomiting occur, see a doctor. If the fuel has contacted eyes, rinse them thoroughly, avoid inhaling of vapours.
Read and observe enclosed instructions.

Before you dispose of opened and seemingly empty pressurised tins (e.g. of assist-starting liquids) make sure they are completely empty. Empty them in ventilated places safe from spark formation or flames. If necessary, dispose of tins in hazardous waste deposits.
Be careful when draining hot oil, danger of burns.
Make sure oil used is of specified quality. Storage is in approved cans only.
Dispose of oil, greases, and filters separately and properly.

Tyres and Tyre Air Pressure
When working on the tyres, make sure the multi-purpose machine is parked properly and secured against rolling off.
Any repairs are to be carried out by trained mechanics only and with the appropriate tools.
Regularly check air pressure in the tyres. Excessive pressure may cause bursts.
When adding weight, make sure the air pressure in the tyres is correct.
Re-tighten attachment bolts or nuts of drive-wheels or check torques when doing maintenance work.
1. Safety Instructions

Electrical System and Battery

When working on the electrical system, make sure the battery is disconnected (negative terminal) (if equipped).

Make sure to connect the battery properly – first connect the positive terminal and then negative terminal. Disconnect in reverse order.

Be careful with battery gases – explosive!

Avoid spark discharge and open flames near batteries.

Remove plastic cover (if equipped) to recharge battery and to prevent highly explosive gases from building up.

Careful when handling battery fluid!

Only use specified circuit breakers. If the circuit breakers are too strong, they will destroy the electrical system – danger of fire.

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

Persons having a pacemaker may not touch live parts of the ignition system when the engine is running.

Explanation of Warning Signs

Before any cleaning, maintenance, and repair work switch off the engine and pull spark plug connector.

With the engine running, keep at a safe distance from cutting or hoeing tools.

Do not work without guards mounted. Before starting the engine, bring guards in proper position.

With the engine running, keep at a safe distance from knife.

Do not touch any moving machinery parts. Wait until they have come to a complete stop.

With the engine running, keep at a safe distance.

Signs

When working with the machine, wear individual protective ear plugs.

Wear protective gloves.

Wear solid shoes.
# 2. Specifications

**Power hoe**

**Machine dimensions:**

![Diagram of machine dimensions]

All dimensions in mm

<table>
<thead>
<tr>
<th>Tool</th>
<th>Dimension</th>
<th>4.00-8</th>
<th>5.0-10</th>
<th>420</th>
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<tr>
<td>A</td>
<td>A</td>
<td>635</td>
<td></td>
<td></td>
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</table>

\( )^1 = \text{incl. guard discs}

\( )^2 = \text{incl. differential hubs}

**Tyres (accessory):**

<table>
<thead>
<tr>
<th>Tool</th>
<th>Tyre</th>
<th>4.00-8</th>
<th>5.0-10</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4.00-8</td>
<td>rough tread tyres</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5.0-10</td>
<td>field tyre</td>
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</table>

**Tyre pressure:**

<table>
<thead>
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<th>Tool</th>
<th>4.00-8</th>
<th>5.0-10</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.0bar</td>
<td>1.2bar</td>
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</tbody>
</table>

**Clutch:**

V-belt clutches with idler pulleys positioned between engine and gearbox

**Only use original agria spare parts!**

(see list of wear parts on p51)

**Gearbox:**

3-speed mechanical gearbox

2 forward speeds and 1 reverse speed

Hoeing and wheel shaft are roller chain driven via the gearbox.

For ground speeds see table below

Transmission oil ........ SAE 90-API GL5

Filling quantity ................. approx. 0.9l

**Steering handle:** ........... height and side adjustable

**Weight:** ......................... approx. 51 kg

**Noise level:**

Noise level at operator's ear ... 83 dBA

(in accordance with EN 709 and EN 1553)

**Vibration acceleration value:**

on handlebar: ................... \( a_{hw} = <2.5 \text{ m/s}^2 \)

in accordance with ISO 5349 standard at 85% of rated engine speed with tool at work.
2. Specifications

**Engine**

*Manufacturer:* .................. Honda

*Engine type:* ........... GX 160 K1 QPU

*Version:* .................... Fan-air cooled 1-cylinder, 4-stroke petrol ohv engine

*Bore:* .................... 68 mm

*Stroke:* .................... 45 mm

*Cubic capacity:* .................. 163 ccm

*Compression ratio:* .................. 8.5 : 1

*Output:* .................. 4.0 kW

*Max. torque:* .................. 10.8 Nm

*Spark plug:* .............. NGK BPR6 ES

*Spark plug gap:* .............. 0.7–0.8 mm

*Ignition system:*  
Contactless solenoid ignition, ignition point is pre-set, radio remote screened according to VDE 0879

*Valve lash* (engine cold):

*Intake:* .............. 0.15 mm ± 0.02 mm

*Outlet:* .............. 0.20 mm ± 0.02 mm

**Fuel tank capacity:** .................. 3.6 l

**Fuel:** ....... Commercially available petrol octane number min. 85 RON (refer to fuel recommendations)

**Air filter:** .................. Dry element filter with foamed preliminary filter

**Carburetor:** ............ Throttle valve type

*Mixture control screw:*  
opened approx. 2 1/8 turns in base setting

**Rated speed:** .................. 3600 rpm

**Top no-load speed:** .......... 3850 rpm

**Idling speed:** ............. 1250–1600 rpm

**Engine oil:**  
Filling quantity .................. approx. 0.6 l

Multi-grade oil SAE 10 W-40  
SG, SF or higher quality grade

**Operability on Slopes:**  
max .................. > 20° (44%)  
(with oil level at “max” = upper level mark)
3. Devices and Operating Elements

The agria power hoe/multi-purpose machine type 100-R is a machine for soil cultivation and is suitable for attachment operation. The following attachments are available:

- Hoeing and ridging attachment
- Ploughs
- Snow dozer

**Engine**

The 4-stroke engine runs on conventional petrol (see fuel recommendations of p6). During the first 20 operating hours (break-in period) do not run the engine at top speeds. **Even after break-in period** never use engine at a higher speed than is necessary for the job in hand.

*High engine speed is harmful to any engine and considerably affects its durability. This applies especially for no load operation. Any overspeed (have the engine roar) can result in immediate damage.*

**Cooling**

The engine is fan-cooled. Therefore, keep the grille at the recoil starter and the cooling fins of the cylinder clean and free from dirt and sucked-in plant trash.

**Idling speed**

Always ensure that idling-speed is adjusted correctly.

At low speeds and with the speed control lever set to the stop in neutral, the engine is supposed to run smoothly and without run-out.

**Air Filter**

The air filter purifies the air intake. A clogged filter reduces engine output.

**Ignition System**

The engine is equipped with a maintenance-free, contactless electronic ignition system. We recommend to have the necessary check-ups done by an expert only.
3. Devices and Operating Elements

**Choke**

The choke lever (B/5) is on the carburetor.

- Close the choke for cold starts: move the lever to the left.

- Open the choke for warm starts and operation: move the lever to the right.

**Fuel tap**

The fuel tap (B/13) is on the carburetor.

- Move the tap to the right to open it.

- Move the tap to the left to close it.
3. Devices and Operating Elements

**Speed Control Lever**

The speed control lever (C/7) on the steering handle is for stepless setting of engine speed from min. = idle to max. = full throttle.

**Engine Shut-off Switch**

The machine is equipped with an electric shut-off switch (C/3). On pressing the switch, the ignition is turned off (engine is shut off).

Position "I" = Operation

Position "0" = Engine off

The engine shut-off switch also serves as an emergency shut-off. Set the switch to “0” for fast shut-off.

**Safety circuit**

The machine is equipped with a safety circuit lever.

1. **Stop position:** When releasing the lever (C/4), the ignition system is shut off (engine is off).

   Beware – engine keeps running due to centrifugal mass.

2. **Start position:** For starting the engine and for short breaks, pull the clutch lever (C/5) and fasten with pawl.

3. **Operating position:** To operate the machine press safety circuit lever (C/4) down.

   **⚠️ Do not tie down safety circuit lever.**

   The safety circuit lever also serves as an emergency shut-off. In an emergency, move the lever to position “STOP” to shut off the engine fast. The lever automatically goes to STOP position.
3. Devices and Operating Elements

Clutch

The machine is equipped with a V-belt clutch which is actuated via the clutch lever (C/5).

With clutch levers pulled, the machine is decoupled and the engine does not drive the power hoe.

When the machine is decoupled you can lock the clutch lever with pawl (C/6).

To prevent the clutch from slipping during operation the lever is set to a free play (see service and maintenance).

Note: Always park the machine with the clutch lever pulled ("0" – pawl locked in place). Otherwise clutch problems may result due to distortion of the V-belt.

Gearshifting

Gears R, 1 and 2 are shifted with lever (A/6).

There is a neutral position "0" between the individual speeds.
3. Devices and Operating Elements

Steering Handle

Steering handle height adjustment
- Unscrew hex bolt (2) from the rectangular clamping piece (3) and remove it from steering bar joint.
- Adjust the steering handle to the desired height and fit it into the proper hole of the joint.
- Insert hex bolt and tighten it with the rectangular clamping piece. (Ensure that the tang of the clamping piece (3) locks into the elongated hole on the bottom part of the joint).

Steering handle side adjustment
- Loosen knob screw (1) until all notches are out of mesh.
- Swing the steering handle to the desired height and fit it into proper toothing.
- Re-tighten knob screw.
3. Devices and Operating Elements

Hoeing tools

1 Hex nut
2 R-clip
3 Star washer
4 Extension guard
5 Guard discs
6 Add-on hoeing tool
7 Hex bolt
8 Base hoeing tool, right
9 Countersunk bolt
10 Base hoeing tool, left

Working width:

Base hoeing tools
approx. ...................................... 45 cm
Base and add-on hoeing tools approx.
65 cm

Fitting the hoeing tools

Only fit/remove the hoeing tools while the engine is shut off and the spark-plug connector is removed! Wear safety gloves!

50 cm hoeing width including guard discs

● Fit the hoeing tools (8 and 10) onto both ends of the hoeing shaft. Ensure that the cutting edges point into travel direction. When fitting the second hoeing tool (left or right), ensure the blades facing towards the housing are fitted in a staggered way to the blades on the opposite end of the shaft. Do not align the blades on respective shaft ends parallel to each other.

● Attach the hoeing tools with hex bolts (7), pushing the bolts through the holes on hub and shaft.

70 cm hoeing width including guard discs

● Fit the base hoeing tools in the same way as described in 50 cm working width.

● Fit add-on hoeing tools (accessory no. 1008 111) (6) into the hubs of the base hoeing tools.

● Attach the tools with linch pin (2) through hub and shaft hole.

● Attach the extension guards (4) using the attachment bolts (9, 3 +1).

Guard discs

The discs are to prevent shrubs and bushes from being damaged by the hoe and to protect young plants from being covered with soil. In addition, they offer protection for the operator when hoeing along headlands or fences.

● Fit the guard discs (5) in the outer hubs of the hoeing tools.

● Insert R-clips (2) in hub/shaft holes to secure them.
3. Devices and Operating Elements

Depth bar

The depth bar slows the power hoe down as the machine is moving forward in the field. The working depth depends on the setting of the depth-bar (A/16), i.e. how deep this digs into the soil.

The deeper the depth bar setting, the deeper the hoeing tools will dig into the soil.

**Depth bar position**

- **high**
  
  Insert the depth bar into the hitch from below to a stop and fix it with 1 R-clip on top of the hitch. Make sure the guide bracket locks between the webs on the hitch.

- **deep**
  
  Insert the depth bar into the hitch from below and fix it with 2 R-clips. Make sure the guide bracket locks between the webs on the hitch.

Front support wheel

(Accessory no. 0189 421)

For easier transport, use the front support wheel.

**Installing the front support wheel**

Push the square pin on the support wheel (1) all the way in the rectangular tube and connect both parts with a linch pin (2).

To keep the front support wheel mounted on the power hoe fold it up for hoeing.

**Hoeing position**

- Loosen knob screw (3) until the notches on the beam are released.
- Fold the beam up into a mesh with the notches and tighten the knob screw.

**Transport position**

- Fold the support beam down and tighten the knob screw.
3. Devices and Operating Elements

Ridger

Required Accessories

1 coupling bar ........ Item no. 0140 111
1 ridger ................ Item no. 0252 011
alternatively
1 set of
strake wheels ........ Item no. 0120 011

Assembly:

- Remove any add-on hoeing tools.
- Remove the outer hoeing blades (8 and 10) from each end of the hoeing shaft and swap sides with the cutting edges pointing inwards (see figure below). This way the hoeing width is adjusted to 36cm without any hoeing tools needed.
- Mount the guard discs.
- Remove the depth bar and install the coupling bar (13) instead.
- Insert the ridger stem (1) into the leg pocket. Insert the U-pin (2) as shown and secure it with a R-clip.
- To tilt the ridger adjust it with hex set screw (5). Then move the ridger (1) into the desired tilting position – the more the ridger tilts backwards the deeper is the working depth.

Strake Wheels

To improve tractive power and ridging quality in hoed soil use strake wheels (accessory no. 0120 011) (16) instead of hoeing tools.

Like the hoeing tools, strake wheels are attached with hex bolts which are inserted through the hub and hoeing shaft holes.

Ridging

For ridging operation start the power hoe as described in the paragraph on hoeing.

- Correct the ridging depth by adjusting the set screw (5) in the leg pocket or the slade (15) and the clamping screw (14).
- Set the ridging width by adjusting the mouldboards (7) and the clamping screw (6).
- The desired/required degree of floating is adjusted with the set screws (11) and the lock nuts.

![Diagram of Ridger and Strake Wheels](image-url)
3. Devices and Operating Elements

**Drive wheels**

*Drive-wheels 4.00-8 (rough tread tyres)*

Used for ploughing and mowing

**Fitting drive-wheels**

- Push the drive-wheel hub tube (2) onto the wheel shaft (1).
- Push the hex bolts (3) through the star washers (4) and through the holes on the hub tube and tighten them (torque 80 Nm)

*Drive-wheels 4.00-8 rough tread tyre*

*Drive-wheels 5.0-10 field tyre*

*each type is fitted with differential hubs*

The differential effect of the differential hubs make steering and turning easier. They are used for ploughing and mowing

**Fitting the differential hubs**

- Push the differential hubs (2) on the wheel shaft (1).
- Push the hex bolts (4) through star washers (3) and through the hole on the hub tube and tighten them (torque 80 Nm)
- Fit the drive-wheels (7) together with the bevel spring washers (6) to the differential hubs.

**Removing differential hubs**

To remove the hubs reverse the above process.

For full tractive power, mount the wheels with the pointed parts of lugs showing in travelling direction (wheels seen from above).
**Differential hubs**

**Adjustment**
The differential hubs are factory-set to “differential effect”.
To fit them rigidly, see figure.

**Lubrication**
- Lubricate the flange nipple (3) with a grease gun (bio lubricating grease) at intervals of 50 operating hours or after cleaning it with a pressure washer.

**Wheel weights**
Wheel weights can be mounted to the drive-wheels 4.00-8 and 5.0-10.

**Fitting wheel weights on models without differential hubs**
Fit the wheel weights (2) with the central hex bolt (4) and washer (3) onto drive-wheel hub (torque 70Nm).

**Fitting wheel weights on models equipped with differential hubs**
Fit the wheel weights (2) with the hex bolts (4) and star washers (3) onto the wheel flange (torque 70Nm).
3. Devices and Operating Elements

Attachments

Only attach front or rear implements with the engine shut down.

Secure attachments against rolling off. Beware of crushing.

Front attachments

Most front attachments are coupled into the rectangular coupling hole on the basic machine. To couple and uncouple the attachment park the machine on level and firm ground.

Coupling front attachments

Insert the square pin (1) on the attachment all the way into the rectangular coupling point on the basic machine. Connect both parts with linch pin (2).

Uncoupling

To remove the front attachment reverse the above process.

Rear attachments

Most rear mounted attachments are coupled with a pin which is inserted into the hitch.

To couple and uncouple the attachment park the machine on level and firm ground.

On standard attachments the depth bar serves as coupling pin and is inserted upside down.

To couple a trailer use the coupling pin and connect the locking chain to the R-clip (Pin 534 40 is included in the generator equipment), see paragraph “trailer”.

Coupling rear attachments

Insert the attachment into the hitch and push the coupling pin (1) through the holes to connect both machines. Then secure with a R-clip.

Note

To adjust the angle through which some attachments pivot, e.g. ridgers or ploughs, turn the set screws and lock nuts.

Uncoupling

To uncouple the rear attachments reverse the above process.
3. Devices and Operating Elements

**Coupling device**

The optional coupling device (1) is an adapter that is used to link up the attached implement (plough, cultivator, etc.) to the base machine. Insert the implement's coupling pin into the adapter tube (2) and attach it with pin (3). Lock the pin with R-clip (4).

Working depth is adjusted via the crank (5) on the adapter.

Alter play X by adjusting the stop bolts (6 and 7) to improve steering of the individual attachments.

**Front weight**

Install a front weight to the base machine to improve the machine's weight distribution when an attachment is mounted at the rear and to improve tractive power (e.g. during ploughing).

To fit the front weight holder to the base machine push it into the rectangular coupling hole.

**Fitting front weight**

Push the front weight (4) onto the square pin (2) and tighten it with hex bolt (3).

**Removing front weight**

The front weight can stay mounted to the holder for removal. Simply remove the front weight holder with the weight fitted to it from the base machine.
4. Commissioning and Operation

Commissioning

Please note that durability and operational safety of the engine depend to a large extent on its breaking-in. Always allow a cold engine to warm up for some minutes and never run it at full throttle at the beginning.

Please note: for the first 20 hours of operation (break-in period) do not use the engine at full power.

Make sure you check and maintain air filters regularly and use clean fuel. Only use branded petrol.

Only use fresh, clean fuel (not older than 3 months) and approved fuel cans to be purchased in special shops. Rusty sheet metal cans or fuel cans not suited for petrol are not permitted.

For the first commissioning or after longer periods of no operation, fill fuel tank to maximum to avoid starting problems.

Be careful when dealing with fuel.

Fuel is easily inflammable and explosive in certain conditions!

- Do not refill in closed rooms.
- Before each fuel fill, shut off the engine and wait until it has cooled off.
- Never refill close to open fire, inflammable sparks or hot engine parts.
- Do not smoke during filling!
- Do not spill any fuel, use a proper filling device.

Do not cause fuel tank to overflow, but leave a 5 mm margin for the fuel to expand.

Note: For reasons of transport, the engine is not filled with engine oil!

Before you operate the engine the first time, fill in engine oil (see page 33)!
4. Commissioning and Operation

Starting the Engine

⚠️ Do not start engine in closed rooms! Exhaust fumes contain carbon monoxide which acts toxic when inhaled.

Keep feet away from coupled attachment.

Protective covers mounted?
Attachments attached correctly?

1. Check engine oil level.
2. Mount spark plug connector.
3. Air filter clean?
4. Fuel quantity in tank sufficient?
5. Open the fuel tap.
6. Cold engine:
Move the choke lever to position “CHOKE”

Warm engine:
Do not use the CHOKE (operating position)

7. Pull the clutch lever and safety circuit shift lever in start position.

8. Flick the engine shut-off switch to “I”.

9. Move the speed control lever to a central position (between idling speed and full throttle).

10. Start engine from a position outside the hazardous area.

- Pull the starter rope on the handle until the starter clutch engages. Then pull **hard and fast** to pull the rope all the way out. After the start, let the rope glide back. Do not let it snap back.

11. CHOKE to operation position.
4. Commissioning and Operation

Shutting off the Engine

1. Move the speed control lever to idling position and let the engine run idle for about half a minute.

2. Flick the engine shut-off switch to position “0”.

3. Close the fuel tap.

4. Withdraw spark plug connector - protection against unauthorised use!

⚠️ Have the engine cooled down before parking the power hoe in closed rooms.

⚠️ Do not move the choke lever to CHOKE position to shut off the engine – danger of fire!

ℹ️ To down the machine for a long period of time, do not press the engine shut-off switch to stop the engine. Instead, close the fuel tap and operate the engine until it comes to a stop by lack of fuel. This is to ensure the carburetor is empty and to avoid resin deposits.

ℹ️ The speed control lever is also the safety circuit lever. If necessary, move this lever to position “STOP” to shut off the engine.
4. Commissioning and Operation

Hoeing

⚠️ Check safety circuit function
- only operate the machine if the safety circuit is working.

Wear individual protective ear plugs and solid shoes.

Before you start working, remove all foreign objects from the area to be cultivated. While working, watch out for foreign objects.

Before moving off, check the immediate surroundings, e.g. for children.

1. Move the gearshift lever to the appropriate position:
   1st gear: coarse hoeing (weed control)
   2nd gear: fine hoeing (seedbed preparation)

2. Start the engine as explained in chapter “Starting the engine”.

3. Slightly pull the clutch lever (C/5), unlock pawl (C/6) and slowly release it while you are pulling the speed control lever (C/7). The hoeing tools start rotating.

4. Set the depth bar to one of two working depths (see chapter “Depth bar”) as desired.
   
   Do not transport or move the power hoe with the hoeing tools still rotating or on concrete and asphalted ground. Instead, use the front support wheel and turn off the engine in transport.

⚠️ Warning: Do not clean the hoeing tools while the engine is running. Turn off the engine and remove the spark plug connector. Only remove jammed objects with a tool, e.g. a wooden stick.

To clean or exchange the hoeing tools, recline the machine only backwards onto the handle-bar (before, remove the depth bar).
4. Commissioning and Operation

Danger zone

Keep out of the machine’s danger zone during starts and operation.

Working with attachments

1. Mount the drive-wheels
2. Couple the attachment
3. Set the correct ground speed on the gearshift lever:
   - 1st gear: ploughing, snow removal
   - 2nd gear: transport
4. Slightly pull the clutch lever (C/5), unlock pawl (C/6), slowly release the lever while pulling the speed control lever. The machine starts moving forward.

Going in reverse

1. Move speed control lever to “min”.
2. Pull clutch lever.
3. Move gear-shift lever to position “R”.
4. Move clutch lever while you are pulling the speed control lever.

To clean the machine during operation, turn off the engine and remove the spark plug connector for reasons of safety.
4. Commissioning and Operation

End of operation

1. Move gearshift lever to neutral (“0”).

2. Pull clutch lever and lock pawl.

3. Move the speed control lever to idling position and let the engine run idle for about half a minute.

4. Switch off the engine.

- If the attachment comes with guards immediately attach these.

Starting the engine on the slope

If for any reasons the engine should come to a stop and need restarting, proceed as follows:

- Leave the transmission turned on (this keeps the machine from rolling off because the running drives act like a brake).

- Pull clutch lever in “start position”.

- Restart the engine.
5. Maintenance

Apart from adhering to operating instructions for power hoes/multi-purpose machines, it is also important to observe the following maintenance instructions.

**Warning:** Only do maintenance work with the engine shut off. Always remove spark plug connector from spark plug, to avoid accidentally starting the engine while working on the machine or on the engine.

Always wear safety gloves, when working near mowing knives.

### Engine

#### Checking Oil Level
- Each time you take up operation and after every 5 operating hours.
- Check only with engine switched off and machine in horizontal position.
- Clean oil filler plug (B/11) and surrounding parts.
- Unscrew oil filler plug.
- Oil level must reach the filling opening, refill oil, if oil level is lower than described (see “Specifications”). – Do not overfill!
- Screw oil filler plug back in and tighten it.

#### Changing Engine Oil

The first oil change is after 5 operating hours. Subsequent oil changes are after every 50 operating hours or once a year, depending on which period is completed first. At extreme strain and high temperatures, change oil after every 25 operating hours.

- Open the drain plug (1) and the filling plug (2) and drain the oil into a suitable container or use a suction pump to remove the oil through the filler neck.
- Ensure the waste oil is disposed of properly!
- Before you retighten the drain plug (1) inspect the condition of the sealing ring (3). Replace it if necessary.
- Fill fresh engine oil into the oil filling opening. Refer to Specifications for oil quantity and quality. Use a funnel or a similar device to fill the oil reservoir.
- Replace the oil filler plug (2) and tighten it.

Only change oil while the engine is still warm, but not hot – danger of burns!
5. Maintenance

Air Filter
When You take up operation check the air filter on dirt, clean it if necessary.
Clean the air filter insert at 3-month intervals but not later than 25 operating hours (earlier in very dusty conditions).
To do this, proceed as follows:
- Remove the wing nut and the filter cover.
- Take the filter assembly apart.
- Wash the foamed pre-filter in non-foaming and warm lye. Do not use detergents containing Naphtha (petrol, etc.). Rinse the filter in running water from inside until the water is clear.
- Allow the foamed pre-filter to dry in the open air before replacing it.
- Slightly soak the foamed pre-filter in engine oil, then squeeze out the oil (wrap it in a rag and press it) so that any excessive oil will not contaminate the paper element.
- Tap the paper element against a smooth surface or blow compressed air against the inside. Never clean the filter with a brush because this would press the dirt into the fibres. Do not oil the filter element.
- Replace the filter element at 100-hour intervals or if it is extremely dirty.
- Reinstall the filter assembly as illustrated. Attach the filter cover with the wing nut.
5. Maintenance

Fuel System

Petrol is an extremely inflammable and sometimes even explosive fuel. Do not smoke within the machine’s operating range and keep away fire and sparks.

- Each time you maintain the machine, check the fuel hose, fuel tank, and carburetor for leakages. Remove any leakage and immediately replace a leaking or porous fuel hose.
- Replace the fuel hoses at 2-year intervals.

Sediment bowl

After every 50 operating hours or min. yearly, clean the sediment bowl.

- Close the fuel tap. Remove the sediment bowl together with the o-ring and wash it with a non-flammable or hardly inflammable solvent. Allow it to dry thoroughly, then replace it and tighten it until it is peg. Open the fuel tap and inspect for leakages before you start the engine.

Excessive petrol supply

- If fuel supply to the engine is too much, move the speed control lever to FULL THROTTLE (VOLLGAS) and crank the engine using the recoil starter until it starts again. If it does not start, remove the spark plug and crank the engine with the spark plug removed. Clean the spark plug, replace it and start again.

Inspecting the fuel supply

Remove the drain plug and open the fuel tap. Fuel supply will be OK, if fuel runs through the tap. Retighten the drain plug.
5. Maintenance

Spark Plug
- After every 100 operating hours, clean the spark plug and re-adjust the electrode gap to 0.7–0.8 mm. Only clean the spark plug using a wire brush and wash it out with a commercial cleaning agent.
- Replace the spark plug at 200-hour intervals.

Spark plug assembly:
Screw the spark plug into the cylinder head by hand. Then continue with a spark plug wrench. Turn wrench at 90° or at a torque of 20…30 Nm.

Checking the ignition sparks:
Remove the spark-plug, clean it and place it back into the plug connector. Use the lateral electrode to make contact with the engine, pull the starter rope and wait for sparking. If there are no sparks, replace the spark plug.

Never use a spark plug of an incorrect heat range.

Careful, do not touch the muffler! This is very hot after engine operation.

Cleaning the Cooling Screen
After long operation, dirt can clog the cooling system. To avoid overheating and damage to the engine, regularly clean cooling screen (B/8).

- Check each time before you take up operation!

Air-Cooling System
Clean internal cooling fins and surfaces at least every 100 operating hours (earlier in very dusty conditions).

Governor
For smooth engine performance keep governor linkages, springs and actuating devices clean from dust and dirt. Do not bend or twist parts. (Governor linkages on carburetor B/2).
5. Maintenance

Exhaust

Regularly clean surrounding parts of muffler (B/9). Free from grass, dirt and inflamable deposits.

⚠️ Danger of fire!

Check each time before you take up operation.

Speed Actuating Devices

Engine speed actuating devices must be adjusted correctly to start, operate and switch off the engine at correct speed rates.

Carburetor Settings

Small differences in fuel, temperature, height or strain can require slight adjustment of carburetor. Only let engine run with air filter and air filter cap fitted.

Operation at high altitudes

To improve engine performance at high altitudes, fit a small-holed main jet to the machine and readjust the mix control screw. This measure is necessary, if the engine is permanently operated at altitudes of 1,830 m above sea level and more.

If the engine is operated at a lower altitude than carburetor calibration allows for and if too little fuel is mixed in, power may drop, the engine may overheat or even suffer serious damage.

Carburetor idle speed adjusting

- Start the engine and wait until it has reached operating temperature.
- Adjust the throttle stop screw while the engine is running and set to standard idle speed (1,250 rpm–1,600 rpm).
5. Maintenance

Machine

Transmission oil level
Check the transmission oil level before operating the machine for the first time and at intervals of 25 operating hours.

- Park the machine on level ground (see fig.) and remove the oil filler plug (1).
- Oil must be level with filling opening, refill transmission oil, if necessary.
- Screw down oil filler plug and tighten.

Transmission oil change
Exchange transmission oil once per year while the engine is still warm from operation.

1. Remove attachment nut (2) to take off the pulley guard (1).

2. To take off the transmission housing cap (5) and the gasket (4) remove the hex bolts (7).

3. Tilt the machine to the rear to drain the oil – collect the oil in a proper container and dispose of properly.

4. Bring machine back to normal position and fill in fresh transmission oil (for quality and filling quantity see “specifications”) until the oil is level with the control opening (see “transmission oil level”)

- Inspect the gasket (4) and exchange it if necessary.
- Re-fit the transmission housing cap (5) together with the gasket (4), hex bolts (7) and star washers (6).
- Install the pulley guard.
5. Maintenance

Safety circuit
Check the safety circuit for proper function each time you take up operation and each time you do maintenance work on the machine.
- Upon release of lever (C/4) and with clutch engaged the engine must automatically come to a stop.
- Check electric lines and connections for good condition, exchange, if necessary. ➔agria - Service

Engine Shut-off Switch
Check engine shut-off switch each time you do maintenance work on the machine.
- The engine shut-off switch in position „0“, the engine must come to a stop.
- Check electric lines and connections for good condition, exchange, if necessary. ➔agria - Service

Hand Clutch Lever
Each time you take up operation check the free play or adjustment and readjust, if necessary (especially during the break-in period after commissioning the machine and after exchanging the clutch linings).

Clutch
X = 3 - 5 mm (Clutch play)
! = The bowden cable must be placed in the hand lever support on bottom position!

Adjusting
1. Remove retaining spring (2) and remove cable end (3) and set pin (4) out of bracket in hand lever.
2. Srew the set pin (4) in or out to a play of X or idling position at position „0“.
3. Place cable end and set pin back into bracket and fit retaining spring (2).
5. Maintenance

Adjusting V-Belt Tension

Adjusting the belt tension is important for proper clutch function and to reduce wear on the V-belt. Inspect the belt tension each time you service or maintain the machine. Adjust the tension, if necessary (especially important during break-in period after commissioning the machine and after exchanging the clutch belt).

Check V-belt tension

- Remove pulley guard (1). For this purpose, remove attachment nuts (2).
- Move clutch lever (C/5) to operating position (pawl unlocked).
- The distance between the idler pulley (7) and the transmission pulley (4) should be 8–10mm to ensure a correct belt tension. To correct the distance between both pulleys, adjust the stop bolt (8) with lock nut (9).
- Check the tension of the belt (6) by measuring how far it can be deflected with two fingers. If the flex is more or less than 15mm you have to adjust the belt.

Adjusting V-belt tension

- Loosen 4 engine attachment nuts (11) from the hex bolts on the engine bracket (underneath the bracket).
- Slide the engine forward or backward until V-belt tension is correct.
- The transmission pulley (4) must align with the engine pulley (5) (if necessary, place a ruler on the engine pulley front side and adjust it).
- Tighten the engine attachment nuts (11).
- Install the V-belt guard (1).

V-belt guide

After the belt tension has been corrected, the distance between the belt guide (12) and belt (6) has to be about 2.5 mm. If this is not the case, decoupling will not be adequate and wear on the belt will be rapid.

⚠️ Do not use conventional V-belts. Only use original and customised agria V-belts.

Operate the attachments only with all guards mounted.
5. Maintenance

Drive-Wheels

- **Each time you change wheels** check or retighten the wheel bolts after the first 2 operating hours with a torque of 100 Nm. In all other respects check and/or tighten each time you take up operation and you service the machine.

- Check tyre pressure regularly. To ensure smooth driving, make sure that there is the same air pressure in front and rear tyres respectively.

- For full tractive power, fit the wheels with the pointed parts of lugs showing in travel direction (wheels seen from above).

- Constantly inspect the wheel-shaft for wound-on grass, if necessary, take off the drive-wheels to remove the grass.

General

1. Watch out for fuel and oil leakages and repair, if necessary.

2. Regularly check nuts and bolts for tight fit and re-tighten, if necessary.

3. Slightly grease all gliding and moving parts (e.g. speed control lever, lever bearing, etc.) with Bio-lubricating grease and Bio-slushing oil.

Cleaning

Machine

After cleaning the machine with a pressure washer immediately lubricate all lubrication points and shortly operate the machine to press the water out.

Apply grease generously to leave a grease ring around bearings to prevent water, plant sap, and dirt from penetrating.

Engine

Clean the engine only with a cloth. Avoid cleaning it with a pressure washer, as water might leak into ignition and fuel system causing malfunctions.
Storage

For longer periods of no operation prepare the machine for storage. Proceed as follows:

a) **Clean thoroughly**
   Repair paint coat.

b) **Spray all shining parts** and the hoeing tools with Bio-slushing oil.

c) **Engine preservation**
   - Drain the fuel completely from the system:
     Petrol is an extremely inflammable and sometimes even explosive fuel. Do not smoke within the machine’s operating range and keep away fire and sparks.
     - Close the fuel tap, remove the sediment bowl (2) and empty it.
     - Open the tap and drain the fuel into a suitable container.
     - Reinstall the bowl after inspecting the sealing ring (2) (replace it if necessary). Tighten the bowl until it is snug.
     - Remove the carburetor drain plug (3) to drain the petrol into a suitable container or add fuel stabiliser (agria No. 799 09): Fill the fuel tank, then add stabiliser
     – **Observe instructions.**
     Operate the engine for approx. 1 minute.
   - Change the engine oil
   - Fill a tea-spoon of engine oil (approx. 0.03l) into the spark plug opening. Slowly crank the engine.
   - Pull the starter rope until you feel resistance. Pull a bit further until the cut in the starter pulley is aligned with the hole on the recoil starter (see illustration). This closes the intake and outlet valves to improve the engine’s protection from internal corrosion.
   - Crank the engine slowly at 2–3 week intervals (spark plug connector is removed).
5. Maintenance

**d) Drive-wheels**
Support drive-wheels in such a way that tyres have no ground contact. Pneumatic tyres are quickly destroyed, if left standing under load and uninflated.

**e) Clutch**
Always park the machine with clutch lever pulled ("0" – pawl locked in place). Otherwise, clutch problems may result due to corrosion.

**f) Storage**
Because of severe corrosion **do not park** the machine
- in humid rooms
- in rooms where fertilizer is stored
- in stables or adjacent rooms.

**g) Protect machine**
with cloth or a similar cover.
### 6. Troubleshooting

Observe safety instructions! Have all serious malfunctions on the machine or engine repaired by your agria workshop. They have the proper tools. Improper repairs can only add to the damage.

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<td>Connect spark plug connector&lt;br&gt;Move choke lever to position “CHoke”&lt;br&gt;Fill fresh fuel&lt;br&gt;Clean fuel line&lt;br&gt;Clean, adjust or exchange spark plug&lt;br&gt;Dry and clean spark plug and start at full throttle&lt;br&gt;Tighten attachment screws</td>
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<td>- Engine running in CHoke range&lt;br&gt;- Loose ignition cable&lt;br&gt;- Clogged fuel line or poor fuel&lt;br&gt;- Vent opening in fuel tank cap clogged&lt;br&gt;- Water or dirt in fuel system&lt;br&gt;- Air filter clogged&lt;br&gt;- Carburetor misadjusted</td>
<td>Move choke lever to operating position&lt;br&gt;Firmly connect spark plug connector to spark plug, fix ignition cable bracket&lt;br&gt;Clean fuel line, fill fresh fuel&lt;br&gt;Exchange fuel tank cap&lt;br&gt;Drain fuel and fill fresh fuel&lt;br&gt;Clean air filter or exchange&lt;br&gt;Re-adjust carburetor</td>
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### 6. Troubleshooting

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* = For this purpose contact your agria workshop.
**Electrical Wiring**

1 Engine
2 Solenoid ignition system
3 Engine shut-off switch (on speed control lever on engine)
5 Switch in safety circuit lever
6 Switch in clutch lever

*bl* blue
*br* brown

**Lubrication Chart**

1 2

33 38
Varnishes, Wear Parts

agria Order No.

Fuel stabilizer
799 09 Fuel stabilizer pouch 5 g

Emergency Tyre Repair
713 13 Tyre sealing gel Terra-S bottle 1 l

Varnishes
181 03 Spray varnish birch-green spray tin 400 ml
712 98 Spray varnish red, RAL 2002 spray tin 400 ml
509 68 Spray varnish black spray tin 400 ml

Wear Parts
761 99 Air filter element set
759 99 Spark plug NGK BPR6 ES
481 75 Clutch V-belt
009 16 O-ring 16 x 22 x 1.5 (Transmission oil control plug)
536 48 O-ring of housing cap (oil change)
210 98 Hoeing blade, left
210 99 Hoeing blade, right

⚠️ Note: Only use original agria V-belts!

Spare Parts
997 004 Power hoe 100 including attachments and accessory equipment
## Inspection and Maintenance Chart

<table>
<thead>
<tr>
<th>Task Description</th>
<th>A</th>
<th>5</th>
<th>8</th>
<th>25</th>
<th>50</th>
<th>100</th>
<th>250</th>
<th>min. after 3 months</th>
<th>min. yearly</th>
<th>B</th>
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<tr>
<td>Check dead stop function</td>
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<td>Clean cooling-screen</td>
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<td>Check air filter</td>
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<td>Clean surrounding parts of exhaust</td>
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<td>Check engine oil level, refill, if necessary</td>
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<td>Check bolts and nuts</td>
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<tr>
<td>Clean air filter, earlier if required</td>
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<td>Replace spark plug</td>
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<tr>
<td>Replace air filter element earlier, if required!</td>
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<td>Clean guide plates, cooling fins – earlier, if required</td>
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<tr>
<td>Lubricate all gliding parts</td>
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<tr>
<td>Change transmission oil</td>
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<tr>
<td>Replace fuel hoses</td>
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</table>

- **A** = Each time before you take up operation
- **B** = After each cleaning
- **K** = Checks and service to be executed by operator
- **W** = Maintenance to be executed by professional workshop
- **W*** = after 2 years

---

48  agria  Multi-Purpose Power Hoe 100-R
Designation of Parts

Figure C

1. Star knob screw for steering handle side-adjustment
2. Hex bolt for steering handle height-adjustment
3. Engine shut-off switch
4. Safety circuit lever
5. Clutch lever
6. Pawl of clutch lever
7. Speed control lever
Fig. C

Designation of Parts
### Declaration Conformity

<table>
<thead>
<tr>
<th>Language</th>
<th>Declaration of Conformity</th>
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<td><strong>GB</strong></td>
<td>We</td>
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<td><strong>NL</strong></td>
<td>Wij</td>
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</table>

erklären, dass das Produkt

déclarations que le produit

herewith declare that the product

verklaren dat het produkt

**Motorhacke**

**Motobineuse**

**Motor hoe**

**Motorfrees**

0100 541

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/EG, 2000/14/EG

est conforme à toutes les exigences respectives selon la directive relative aux machines 2006/42/CE.

La machine est aussi conforme à toutes les exigences respectives selon les directives CE suivantes:

2004/108/CE, 2000/14/CE

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:

2004/108/EC, 2000/14/EC

voldoet aan de desbetreffende bepalingen van de EG-machinerichtlijn 2006/42/EG.

De machine voldoet ook aan de desbetreffende bepalingen van het volgende EG-richtlijnen:

2004/108/EG, 2000/14/EG

Folgende harmonisierte Normen (oder Teile davon) oder techn. Spezifikationen 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:


Möckmühl, den 18.01.2010

Siegfried Arndt
Geschäftsführer

Rudolf Tiggs
Leiter Entwicklung & Konstruktion

Managing Director

Director

Bedrijfsleider

Respensible développement et études

Head, Research and Development

Hoof ontwikkeling en constructie

Herr Tiggs ist bevollmächtigt die technischen Unterlagen zusammenzustellen.

Monsieur Tiggs est habilité à agencer la documentation technique.

Mr. Tiggs is authorized to assort the technical documents.

De heer Tiggs is gemachtig om de technische documentatie op te stellen.

Anschrift/adresse/address:

agria Werke GmbH, Bittelbronner Str. 42, D-74219 Möckmühl
Your local **agria** specialist dealer: