Before commissioning the engine, read operating instructions and observe warnings and safety instructions.
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Please complete:

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<td>ID/Machine No. ..........................</td>
<td><img src="image" alt="Warning – Danger" /></td>
</tr>
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<td><img src="image" alt="Important information" /></td>
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<tr>
<td>Date of Purchase: ....................</td>
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</table>

For name plate, refer to p5/fig. A,B/17. For Engine type and number, refer to p32/fig. C/8 and D/8;

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.

**This delivery comprises:**

- Operating instructions
- Universal mower
- Tool kit
Assembly

Unpack the universal mower, fit the front running gear and adjust the steering handle to an ergonomic height.

Fitting the Front Running Gear

- Mount the front running gear (1) to the frame (3) using the attachment bolts (2 + 4).
- Place cap (5) on hex nut.

Adjusting the Steering Handle

- Remove the cap from the clamping bolt.
- Undo the clamping bolt (8).
- Adjust the steering handle to an ergonomic working height.
- Tighten the clamping bolt.
- Replace the cap.

Threading in the starter cord

- Pull the starter handle (C/2 or D/2) from the engine.
- Fit the cord in the coil bracket from below and guide the cord upwards through the coil windings in clockwise direction.

Commissioning the Machine

- See p18, section “Commissioning the Machine”
Designation of Parts

A
Type 9200 371

B
Type 9200 381
Designation of Parts

1. Lever for cutting height adjustment
2. Lever for wheel drive engagement
3. Safety lever
4. Speed control lever
5. Steering handle
6. Starter handle
7. Air intake hose (Type 9200 381)
8. Clamping bolt for steering handle height adjustment
9. Tommy screw for steering handle side adjustment
10. Engine (see also fig. C + D, p32)
11. PRIMER (fuel injection pump for cold starts)
12. Front running gear
13. Rear wheel
14. Chain case
15. Rotor housing
16. Rotary blade
17. Name plate (ID-No.)
18. Front wheel
Recommendations

Lubricants and Anti-Corrosive Agents:

Use the specified lubricants for engine and gearbox (see “Specifications”).
We recommend using Bio-lubricating oil or Bio-lubricating grease for “open” lubricating points or nipples (as specified in the operating instructions).
We recommend using Bio-slushing oil for preservation of machines and implements (do not apply on painted external covers). Oil can be brushed or sprayed on.
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 commercial unleaded regular and supergrade 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 stabilizing liquid to the fuel.
When storing the mower at the end of the season, also drain leaded fuel completely or add a fuel stabilizing liquid.
For further instructions refer to “Engine Preservation”.

Maintenance and Repair:

The trained mechanics of your agria workshop carry out expert maintenance and repair.
You should 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 for pulling the flywheel.
1. Safety Instructions

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

Warning

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

Due Use

The universal mower has exclusively been designed for all common applications and tasks in grass maintenance (due use).

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

Caution:

The universal mower is unsuitable for trimming bushes, hedges and shrubs, cutting sarmentous plants or lawn on roof tops or balconies, and neither for cleaning (vacuuming, blasting, or snow sweeping) pavements. Do not use it as a shredder to shred tree and hedge clippings. Such use is hazardous to the operator.

For safety reasons do not use the universal mower to drive other tools or attachments. The universal mower (equipped with wheel drive) is not suited for pulling lawn sweepers and spreaders. The same applies for attaching trailers to ride on or transport clippings. The only attachment allowed on the mower is the grass collecting box provided by the manufacturer.

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

Any unauthorized changes to the universal mower render manufacturer liability null and void.

General Instructions on Safety and Accident Prevention

Basic Rule:

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

For travelling on public roads, the current traffic code applies.

Check the universal mower for road and operational safety each time you take up operation.

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

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

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 tractor for safe operation. Comply for your own safety.

When transporting the tractor 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!

The rotary blade may coast due to centrifugal force. Keep at a safe distance while the blade is coasting. Before you start any maintenance or repair on the mower, wait until the blade has come to a complete stop and remove the spark plug.

Beware of coasting tools. Before you start working on them wait until they have come to a complete stop.

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

Working Area and Dangerous Area

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

Careful when mowing to prevent the rotary blade from hitting obstacles such as border stones, low walls, roots, etc.

Shut off the engine before you transport the mower outside the area of operation.

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.

Starting the engine

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

Careful when starting the mower and during operation. Keep your hands and feet off the rotary blades!

Do not upend or slant the mower when you start the engine.

Do not step in front of the mower to start it.

When starting the mower, ensure the wheel drive (if equipped) is not engaged.

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!

The operator always has to keep at a safe distance from the rotor housing as set by the steering handle. This applies in particular for turning the mower.

Do not pull but push the mower when making a turn.

If blockages occur, turn off the engine and clean the machine with an appropriate tool.

In case of damage to the universal mower, immediately turn off the engine and have it repaired.

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

To prevent the machine from sliding in hillside operation, make sure it is secured by another person who uses a bar or a rope to hold the machine. This person has to walk further up the slope and at a safe distance from the rotor housing.

If possible, always work across the slope.

End of Operation

Never leave the universal mower unattended with the engine running.

Before you leave the universal mower, turn off the engine.

Secure the universal mower against unauthorized use. If the machine is equipped with an ignition key, remove the key. For all other versions, remove the spark plug connector to secure the machine.

Grass Collecting Box

If the grass box is not removed/attached properly, stray stones or wood may be thrown out by the spinning blade and injure the operator.

Before you remove the grass box or adjust the cutting height, shut off the engine and wait until the rotary blade has come to a stop.
1. Safety Instructions

**Maintenance**

Never carry out any maintenance or cleaning with the engine running. 

In addition, always remove spark plug connector before you work on the engine. 

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

Replace damaged blades. 

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

Do not carry out repairs like welding, grinding, drilling, etc. on structural and safety-relevant parts! 

Keep the universal mower and attachment clean to avoid risk of fire. 

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

Ensure that you re-install all safety and protective devices and adjust them properly after maintenance and cleaning. 

Only use original AGRIA spare parts. All other conventional spare parts must correspond to quality and technical requirements specified by agria. 

**Engine, Fuel, and Oil**

Never let the engine run in closed rooms. Extreme danger of intoxication! 

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, push the universal mower 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 fuel has contacted eyes, rinse them thoroughly, avoid inhaling of vapours. 

Read and observe enclosed instructions. 

**Storage**

It is not allowed to store the universal mower in rooms with open heating. 

Never park the universal mower in closed rooms with fuel left in tank. Fuel vapours are hazardous.
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 seperately and properly.

**Electrical System**

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

**Dimensions**

\[
\begin{align*}
  b &= \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots 600 \text{ mm} \\
  B &= \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots 790 \text{ mm} \\
  h_1 &= \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots 420-500 \text{ mm} \\
  h_2 &= \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots 640 \text{ mm} \\
  H &= \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots 900-110 \text{ mm} \\
  l &= \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots 1250 \text{ mm} \\
  L &= \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots 1670 \text{ mm} \\
  s &= \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots 610 \text{ mm}
\end{align*}
\]
2. Specifications Type 9200 371

Engine manufacturer: .......... Briggs & Stratton
Type: ....................... Quantum XTE 55, 128 802 – 0865
Version: ..... Fan-air-cooled 1-cylinder-4-stroke engine (petrol) with lateral output shaft
Bore: ........................................ 68 mm
Stroke: ..................................... 52 mm
Cubic capacity: ............ 189.6 ccm
Output: .................. 3.6kW at 3000 rpm
Spark plug: ....... Champion RJ 19 LM
Electrode gap: ............... 0.75 mm

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

Valve lash (engine cold):
Intake: ....................... 0.10–0.15 mm
Outlet: ....................... 0.18–0.23 mm

Starter: .................... Recoil starter

Cold start device: ............ PRIMER

Safety device:
Mechanical blade brake with integrated electric engine cut-out switch.

Fuel tank capacity: ............ 1.5 l
Fuel: .................... Conventional petrol
octane number min. 85 RON
(refer to fuel recommendations)

Air filter: ................... Dry filter element

Carburetor: ............ horizontal, floating

Mix control screw:
in base setting ..... approx. 1 turn open
Top no-load speed: .......... 3100 rpm
Idling speed: .................... 1400 rpm

Engine oil:
Filling quantity ................ approx. 0.6 l
Multi-grade oil SAE 10W-40 API-SC

Cutting width: ...................... 51 cm
Cutting height adjustment:
Central handle ............... 4 notches
Cutting height: ............. 40–100 mm
Ejection: ...................... To the side

Blade slip clutch

Wheels: .. Front wheels 16 cm dia
Rear wheels 42 cm dia
with special ball bearings

Steering handle: .......... foldable;
height adjustable;
side-adjustable without tools

Noise level: .................. L\text{wa} 100
in accordance with EC directive 84/538/EEC

Safety standard approved by German MOT on GS standards

Rear wheel drive: ........... –3.73 km/hr
via worm gear with integrated conus clutch and freewheel chain drive
Engagement via lever on steering handle

Vibration acceleration value:
on handlebar grip ........ a_nwy = 2.7 m/s^2
in accordance with ISO 5349
at 85% of rated engine speed with tools at work

Operability on Slopes:
The engine is suited for operation on slopes (engine oil level at “max” = upper filling mark).
Continuous operation
up to ........... 25° slope inclination (55%)
Temporary operation
up to ........... 30° slope inclination (66%)

Weight: .................. approx. 58 kg
Dimensions: .............. see page 12
2. Specifications Type 9200 381

Engine manufacturer: .......... Briggs & Stratton

Type: .................. Quantum XTS 60, 129 882 – 1111

Version: ..... Fan-air-cooled 1-cylinder-4-stroke engine (petrol) with lateral output shaft

Bore: .................. 68 mm
Stroke: ...................... 52 mm

Cubic capacity: ........ 189.6 ccm

Output: ............... 4.2kW at 3000 rpm

Spark plug: ...... Champion RJ 19 LM
Electrode gap: .................. 0.75 mm

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

Valve lash (engine cold):
Intake: .................. 0.10–0.15 mm
Outlet: .................... 0.18–0.23 mm

Starter: .................. Recoil starter

Cold start device: ............. PRIMER

Safety device:
Mechanical blade brake with integrated electric engine cut-out switch.

Fuel tank capacity: ............ 1.5 l

Fuel: .................. Conventional petrol octane number min. 85 RON (refer to fuel recommendations)

Air filter: .................. Dry filter element

Carburetor: ............. horizontal, floating

Mix control screw:
in base setting ..... approx. 1 turn open

Top no-load speed: ........ 3100 rpm

Idling speed: ............... 1400 rpm

Engine oil:
Filling quantity ............ approx. 0.6 l
Multi-grade oil SAE 10W-40 API-SC

Cutting width: .................. 55 cm

Cutting height adjustment:
Central handle ............... 4 notches

Cutting height: ............... 40–100 mm

Ejection: ........................ To the side

Blade slip clutch

Wheels: ............ Front wheels 16 cm dia
Rear wheels 42 cm dia with special ball bearings

Steering handle: ................ foldable;
height adjustable;
side-adjustable without tools

Noise level: .................. Lwa 100
in accordance with EC directive 84/538/EEC

Safety standard approved by German MOT on GS standards

Rear wheel drive: .......... –3.73 km/hr via worm gear with integrated conus clutch and freewheel chain drive

Engagement via lever on steering handle

Vibration acceleration value:
on handlebar grip ........ a_nwy = 2.7 m/s²
in accordance with ISO 5349 at 85% of rated engine speed with tools at work

Operability on Slopes:
The engine is suited for operation on slopes (engine oil level at “max” = upper filling mark).

Continuous operation
up to .......... 25° slope inclination (55%)

Temporary operation
up to .......... 30° slope inclination (66%)

Weight: .................. approx. 57 kg

Dimensions: .................. see page 12
3. Devices and Operating Elements

The universal mower AGRIA type 9200 is suitable for usual operation in horticulture and maintenance of parks and gardens.

Engine

The 4-stroke petrol engine runs on conventional petrol (see fuel recommendations). During the first 20 operating hours (break-in period) do not use engine to maximum power.

Even after break-in period never use engine at higher speed than necessary for the work in hand.

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

Ignition system

The engine is equipped with a maintenance-free, contact-less, electronic ignition system. We recommend having inspections carried out only by professional mechanics.

Speed control lever

The speed control lever (5) sets the engine speed on the steering handle steplessly from min. to max.

Cooling System

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

Always ensure that idling-speed is adjusted correctly. At low speeds and with the speed control lever set to idle, 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.
3. Devices and Operating Elements

**Safety Switch**
The universal mower is equipped with a safety switch.

- **Stop position:**
  As you release the safety lever (3) the ignition system is cut off and the integrated blade brake slows down the blade to stillstand.

- **Start and operating position:**
  Press the safety lever (3) all the way down to the handle.

  Do not actuate the starter when the safety lever is in stop position because then the blade brake is locked.

**Steering Handle Side Adjustment**
- Loosen the tommy screw (9) (approx. 3 turns) until the notches are free.
- Adjust the steering handle as appropriate and fit it into the notches.
- Tighten the tommy screw.

**Steering Handle Height Adjustment**
- Remove nut cap from the clamping bolt.
- Loosen the clamping bolt (8).
- Set the steering handle to an ergonomic working height.
- Tighten the clamping bolt (8).
- Replace the nut cap.
3. Devices and Operating Elements

Wheel drive

Wheel Drive Engagement
- Pull hand lever (2)

Wheel Drive Disengagement
- Release hand lever (2)

⚠️ Do not tie up the lever (2).

Cutting height adjustment

⚠️ Before you set the cutting height shut off the engine and wait until the rotary blade has stopped!

- Pull lever (1)
- Fold steering handle up or down until the desired cutting height is obtained.
- Release lever (1)
4. Commissioning and Operation

Commissioning the Machine

Please note that longevity 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.

Caution: The engine is delivered without engine oil for reasons of transport safety!

Before you take the machine into operation, fill in engine oil!

To do this, place the universal mower on level ground for the engine to be horizontal. For oil filling quantity and quality see technical data. Check the oil level!

Check oil

- Remove oil dip-stick (C/4 or D/4), clean it with a clean cloth
- Insert dip-stick all the way into the oil tank.
- Remove oil dip-stick and read the oil level (Fig. E)

Ensure the dip-stick is always pressed in tight in the filler neck when the engine is running!

To avoid starting problems when starting the engine the first time or after long storage fill the fuel tank completely.

Before each start:

- Check the engine oil level (Fig. E) and refill if necessary. Do not overfill!
- Check whether sufficient fuel is in the tank

Do not fill the fuel tank to the brim but leave a space of 5cm to allow the fuel to expand.

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.

Do not start the engine in closed rooms. Exhaust fumes contain carbon monoxide which acts toxic when inhaled. Keep your feet off the rotor housing.
4. Commissioning and Operation

Starting the Engine

Engine cold
- Press PRIMER (11) 3 times (fuel is injected)
- Move speed control lever (4) to “max” (full throttle)

Engine warm
- Move speed control lever (4) to 1/4 to 1/2 speed
- Press safety lever all the way down to the handle

Caution: Do not actuate the hand lever (2) for wheel drive engagement when starting the mower!
- Stand at the steering handle and slowly pull on the starter cord handle (6) until the starter locks into place. Then pull hard and fast. Do not let the handle snap back.
- After the engine has been started, set speed control lever to the desired engine speed.

Cutting off the Engine
- Set speed control lever (4) to “min” (idling speed) and let the engine run idle for approx. half a minute.
- Release safety lever (3). (The integrated engine shut-off switch will cut the engine off and the blade brake will reduce the engine speed until the engine stops).

The safety lever also serves as shut-off-switch for emergencies. Upon release the engine and rotary blade come to a quick stop.
4. Commissioning and Operation

Mowing
(after starting the engine)

Before you take up operation, check the immediate surroundings for animals and children.

- Remove foreign objects from the area of operation before you start mowing.

While mowing, watch out for foreign objects.

- Set speed lever to the desired position ranging from 1/2 to Max.
- Engage wheel drive.

- In high grass do several passes, if possible, to avoid blockages.
- Do not cut wet grass and do not cut in rainy weather.
Apart from adhering to operating instructions for universal mowers, it is also important to observe the following maintenance instructions.

**Warning:** Only do maintenance work with the engine turned off.

Always remove spark plug connector from spark plug, to avoid accidentally starting the engine while working on the universal mower or on the engine.

The universal mower will operate reliably at all times, if it receives proper servicing. After each operation clean the universal mower and particularly the blades.

**Wheel drive**

The rear wheels are driven via a V-belt clutch with idler pulley and chain drive. The sprockets on the wheel shaft are freewheel equipped.

**V-belt clutch**

- Check V-belt tension each time you change engine oil and tension it, if necessary.
- Tension the V-belt by adjusting the setting screw on the Bowden cable.

- Ensure that the clutch is completely decoupled when wheel drive is disengaged.

- If there is insufficient wheel drive although the belt is tensioned, replace the V-belt.

**Only use special AGRIA V-belts. Do not use conventional V-belts.**

- Oil the idler arm bearing once a year and after each cleaning with a pressure washer. Use bio-lubricating oil. To gain access to the bearing, remove the chain case.

**Chain Drive**

- Wet the drive chains with degradable chain oil once a year and after each washing, in particular after cleaning with a pressure washer.

**Wheels**

- The front wheels are equipped with self-lubricating bearings and are maintenance-free.
5. Maintenance

Rotary blades

- After every 10 operating hours tighten the attachment bolt (G/2) on the rotary blade (G/1) using a spanner.
- Attachment bolt

Torque........................................... 45Nm

- To ensure a clean cut sharpen the rotary blades (G/1) periodically. This is best done at the beginning of the season using a grindstone.

  **Wear safety gloves and goggles**

  Do not alter angle of the cutting edge as you sharpen the blade.

  Ensure that material loss due to sharpening is equal on both blades to maintain rotor balance.

- If the blade is severely damaged by foreign objects (usually by stones) or misshaped, replace it by a new one; only use genuine rotary blades; see code number on the blade

- To remove the rotary blade remove the bolt (G/1). When you refit the rotary blade ensure the cutting edges are properly aligned (G/1). Attach the bolt (G/2) using washers (G/3 + G/4) and tighten it.
5. Maintenance

Engine

Checking engine oil level

* Each time you take up operation and after every 5 operating hours!
  * Ensure the engine is level and is cut off.
  * Clean oil filler plug (C/4 or D/4) and surrounding parts.
  * Remove oil filler plug.
  * Clean filler plug (1) and its surrounding parts.
  * Remove filler plug. Clean the dip-stick with a clean cloth and push it all the way back into the oil tank.
  * Remove the dip-stick and read the oil level (Fig. E).
  * If the oil level is lower than the bottom mark, refill engine oil (refer to “Specifications”) until oil level reaches the top mark.
    - Do not overfill!

![Oil filler neck and dip stick](image)

To drain the oil, open drain plug (19) and collect the engine oil in a suitable container.

| 19 | Engine oil drain plug |

- Dispose of oil properly.
- Re-tighten drain plug well.
- Open oil filler plug (C/4 or D/4) and fill in fresh engine oil.
For oil quantity and quality, refer to specifications.

If possible, use a funnel or similar tool to fill in the oil.
Change the engine oil while the engine is still warm but not hot – risk of burns.

Changing Engine Oil

* The first oil change is after 5 operating hours. Following oil changes are after every 50 operating hours or once per year (depending on which period is completed first). In heavy use or at high ambient temperatures change the oil after 25 operating hours.
5. Maintenance

Air Filter

Clean air filter after a maximum of 3 months or at least after 25 operating hours (in dusty conditions earlier).

Proceed as follows:

- Remove bolt and fold down the lid.
- Tap the insert on a level surface, do not wash in foamy, warm suds; do not use paraffine containing detergents (petrol etc.). Rinse it in running water inside out, rinse until water stays clear.
- Let the insert dry completely before you replace it.
- Do not oil the insert and do not blow it clean.
- Exchange a heavily contaminated filter insert.

Air Intake Hose

(only on version 9200 381)

- Always keep the slots for ventilation on the hose (B/7) clean from dirt, leaves, and grass clippings.
- Clean the ventilation slots when necessary, using a brush or similar tool – at least each time you clean the air filter.

Fuel System

- Each time you carry out maintenance work, check the fuel hose, fuel tank, and carburetor for leakages. Remove any leaks and immediately replace a leaking or porous fuel hose.
- Replace fuel hoses after every 2 years.
- If the engine was supplied with too much fuel, move the speed control lever to “full throttle” and crank the engine using the recoil starter until the engine starts.

Do not crank the engine if the spark plug has been removed.
5. Maintenance

Spark Plug

- After every 50 operating hours clean spark plug (E/9) and set spark plug gap to 0.75 mm. Clean spark plug only with a steel brush and wash with conventional detergent.

- Exchange spark plugs after approx. 100 operating hours.

- Exchanging spark plug: Screw new spark plug into cylinder head by hand. Then continue with a spark plug wrench. Turn wrench at 90° or a torque of 20...30 Nm.

- With spark plug or spark plug cable removed, do not check ignition for spark formation. Only use approved testing equipment.

Cleaning Cooling Screen

After extended operation, dirt can clog the cooling system. To avoid overheating and damage to the engine, clean the cooling screen regularly. Check each time before you take up operation!

Air-Cooling System

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

For this purpose, contact your professional agria workshop.
5. Maintenance

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 C/7 or D/7).

Exhaust
Regularly clean surrounding parts of muffler (C/10 or D/10). Free from grass, dirt and inflammable deposits.
– Danger of fire!
Check each time before you take up operation.

Removing Carbon Deposits
After every 100 hours of operation take off cylinder head and remove carbon deposits on cylinder, cylinder head, piston crown, and valves and renew head gasket
For this purpose, contact your professional agria workshop.

Safety Circuit
Check the function of the safety circuit each time you maintain and service the machine.
● The engine has to come to an automatic stop upon release of the safety lever (3).
● This stop must not exceed 5 seconds due to the integrated blade brake.
● Check the Bowden cable for proper condition and replace, if necessary.
To do this, contact your agria workshop.

Speed Actuating Devices
Devices for actuating engine speed must be adjusted correctly to start, operate and switch off the engine at correct speed rates.
For adjustment, contact your agria workshop.

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.
For carburetor adjustment, contact your agria workshop.
5. Maintenance

General

- Watch out for fuel and oil leakage and repair, if necessary.
- Regularly check and tighten nuts and bolts.
- Slightly grease all gliding and moving parts (e.g. speed control lever, hand lever bearing, etc.) with bio-lubricating grease and bio-slushing oil.

Cleaning

After each cleaning (with water, especially with pressure washer) lubricate all lubrication points, oil and let universal mower run for a short time to press water out.

Only use a cloth to clean the engine. Avoid washing the machine with high pressure because water may penetrate into the ignition and fuel system and cause malfunctions.
5. Maintenance

Storage

For longer periods of no operation prepare universal mower for storage. Proceed as follows:

a) Clean thoroughly

Repair paint coat, grease all lubricating points and drive chains and operate the universal mower for a short time. Then spray all shining parts, in particular the rotary blades, with bio-slushing oil.

b) Engine preservation

- Change engine oil
- Drain fuel completely and let the engine run until it comes to stop due to lack of fuel or add fuel stabilizer (AGRIA No. 673 50).

Method: Fill fuel tank, add anti-corrosive and stabilizing liquid (amount “ON” stabilizes 4l of fuel). Let engine run for approx. 1 minute. (Observe enclosed instructions).

- Fill a tea-spoon (approx. 0.03l) of engine oil into spark plug opening. Slowly crank the engine.
- Set the piston to compression with the recoil starter to keep the valves closed.
- Cover the engine
- Slowly crank the engine every 2–3 week (spark-plug connector is removed). Then set the piston to compression again.

Warning! Keep anti-corrosive and stabilizer out of reach of children at all times. Do not inhale vapours! In case of sickness and vomiting see a doctor immediately! In case of eye contact with liquids, rinse eyes thoroughly.

Parking and Storing the Universal Mower

Do not incline the universal mower forward to park, transport, or store it. When the machine tilts to the front engine oil may get into the cylinder and the combustion chamber. This may result in starting problems and carbonization.

Do not store the universal mower in wet rooms, in rooms where fertiliser is stored, in stables and adjacent rooms as heavy corrosion may be the consequence.
Lubricants, Varnishes, Wear Parts

agria Order No.

Lubricants and Anti-Corrosive Agents

118 24  Engine oil 10 W-40  tin  1l
690 34  Bio-lubrication oil  bottle  500ml
690 35  Bio-lubrication grease  cartridge  400g
690 36  Bio-Slushing oil  bottle  500ml
673 50  Fuel stabilizer  bottle  125ml

⚠️ Please read and observe enclosed instructions!

Varnishes

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

Wear Parts

672 44  Air filter insert
686 34  Spark plug RJ 19 LM
756 04  Rotary blade 51cm
756 05  Rotary blade 55cm

Spare Parts

997 131  Lawn mower and universal mower 9200
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.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible cause</th>
<th>Remedy</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine does not start</td>
<td>- Spark plug connector not connected</td>
<td>Connect spark plug connector</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- PRIMER is not actuated</td>
<td>Press on PRIMER 3 times</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>- Fuel tank empty or poor fuel</td>
<td>Fill fresh fuel</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>- Fuel line clogged</td>
<td>Clean fuel line</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Defective spark plug</td>
<td>Clean, adjust or exchange spark plug</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>- Engine too much fuel (&quot;flooded engine&quot;)</td>
<td>Dry and adjust spark plug and start at FULL THROTTLE</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>- Inleaked air due to loose caburetor and suction line</td>
<td>Tighten attachment bolts</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Rotary blades are not fitted or not bolted tight</td>
<td>Fit or tighten rotary blades</td>
<td>22</td>
</tr>
<tr>
<td>Misfirings in engine</td>
<td>- Loose ignition cable</td>
<td>Fit connector tightly on spark plug</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Clogged fuel line or poor fuel</td>
<td>Fix ignition cable retaining device</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Vent opening in fuel tank cap clogged</td>
<td>Clean fuel line, fill fresh fuel</td>
<td>18</td>
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<tr>
<td></td>
<td>- Water or dirt in fuel system</td>
<td>Exchange fuel tank cap</td>
<td></td>
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<tr>
<td></td>
<td>- Air filter clogged</td>
<td>Drain fuel and fill fresh fuel</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Carburetor misadjusted</td>
<td>Clean air filter or exchange</td>
<td>24</td>
</tr>
<tr>
<td>Engine overheats</td>
<td>- Low engine oil level</td>
<td>Refill oil immediately</td>
<td>23</td>
</tr>
<tr>
<td></td>
<td>- Impaired cooling</td>
<td>Clean cooling fan grille, clean internal cooling fins</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>- Air filter clogged</td>
<td>Clean air filter</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>- Carburetor misadjusted</td>
<td>Re-adjust carburetor</td>
<td>26</td>
</tr>
<tr>
<td>Misfirings in engine at high speeds</td>
<td>- Short firing intervals</td>
<td>Adjust spark plug</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>- Incorrect idle speed mix</td>
<td>Adjust carburetor</td>
<td>26</td>
</tr>
<tr>
<td>Engine frequently stalls in idle</td>
<td>- Firing interval too long, defective spark plug</td>
<td>Adjust or replace spark plug</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>- Carburetor misadjusted</td>
<td>Re-adjust carburetor</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>- Air filter clogged</td>
<td>Clean air filter</td>
<td>26</td>
</tr>
<tr>
<td>Engine does not run smoothly</td>
<td>- Speed control linkages are clogged or jammed</td>
<td>Clean speed control linkages</td>
<td>26</td>
</tr>
</tbody>
</table>
## 6. Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible cause</th>
<th>Remedy</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine does not stop in stop position</td>
<td>- Integrated short-circuiting switch is defective</td>
<td>Check short-circuiting switch and reset it, if necessary</td>
<td>26</td>
</tr>
<tr>
<td>Engine output too low</td>
<td>- Air filter clogged</td>
<td>Clean air filter</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>- Loose cylinder head or damaged gasket</td>
<td>Tighten cylinder head, exchange gasket</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>- Poor compression</td>
<td>Have engine checked</td>
<td></td>
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<tr>
<td></td>
<td>- Rotor housing is blocked</td>
<td>Clean rotor housing</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Rotary blades are dull</td>
<td>Sharpen the blades</td>
<td></td>
</tr>
</tbody>
</table>

*= For this purpose contact your agria workshop.

A = Each time you take up operation
B = After each cleaning
K = Inspections and Servicing to be carried out by operator
W = Maintenance to be carried out by professional workshop
Designation of Parts

**C**

_Engine XTE 55_

1. Fuel filler neck  
2. Recoil starter handle  
3. Grille  
4. Engine oil filler neck and dip-stick  
5. Air filter  
6. PRIMER (Fuel injection pump for cold starts)  
7. Carburetor/Speed control linkages  
8. Engine type/type no.  
9. Spark plug, spark plug connector  
10. Exhaust with protective grille

**D**

_Engine XTS 60_
## 7. Inspection and Maintenance Chart

<table>
<thead>
<tr>
<th>Task</th>
<th>A</th>
<th>5</th>
<th>8</th>
<th>25</th>
<th>50</th>
<th>100</th>
<th>250</th>
<th>min. 3 months</th>
<th>min. yearly</th>
<th>B</th>
<th>pag.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean engine, check bolts and nuts</td>
<td>K</td>
<td>K</td>
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<td></td>
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<tr>
<td>Check engine oil level, refill, if necessary</td>
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<td>K</td>
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<td>23</td>
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<tr>
<td>First engine oil change subsequent oil changes</td>
<td>W</td>
<td>W</td>
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<td>23</td>
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<tr>
<td>Check air filter</td>
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<td>24</td>
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<tr>
<td>Clean air filter insert</td>
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<td>24</td>
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<tr>
<td>Replace air filter insert, earlier, if required</td>
<td>W</td>
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<tr>
<td>Replace fuel hoses</td>
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<td>24</td>
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<tr>
<td>Clean cylinder head</td>
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<td>26</td>
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<tr>
<td>Clean ventilation grille</td>
<td>K</td>
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<td>26</td>
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<tr>
<td>Clean guide plates, cooling fins earlier, if required</td>
<td>W</td>
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<td></td>
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<td>25</td>
</tr>
<tr>
<td>Clean spark plug, adjust spark plug gap</td>
<td>W</td>
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<tr>
<td>Replace spark plug</td>
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<tr>
<td>Check safety switch function</td>
<td>K</td>
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<td></td>
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<td></td>
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<td>26</td>
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<tr>
<td>Oil drive chain</td>
<td>K</td>
<td>K</td>
<td></td>
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<td>21</td>
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<tr>
<td>Retighten bolts on rotary blades</td>
<td>K</td>
<td></td>
<td></td>
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<td></td>
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<td></td>
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<td>22</td>
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<tr>
<td>Lubricate all gliding parts</td>
<td>K</td>
<td>K</td>
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<td>27</td>
</tr>
<tr>
<td>Lubricate V-belt clutch, idler arm</td>
<td>K</td>
<td>K</td>
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<td></td>
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<td></td>
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<td>21</td>
</tr>
</tbody>
</table>

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**B** = After each cleaning  
**K** = Inspections and Servicing to be carried out by operator  
**W** = Maintenance to be carried out by professional workshop  
* = after 2 years
EC Conformity Declaration
in accordance with the EC directive

We, agria-Werke GmbH
D-74215 Möckmühl/Württ.

herewith declare in sole responsibility that the product
Universal Mower, Type 9200 371 and 9200 381
to which this declaration refers, corresponds to
the standard fundamental safety and health requirements
as stipulated in EC directive 89/392/EEC
and the directive on EMC 89/336/EEC.

Möckmühl, 10th December 1996

[Signatures]

on behalf of Gregor Czaja
Head, Quality Control

Dipl. Ing. Thomas Ilchmann
Head, Research and Development
The winning team

Power hoes  One-wheel hoes  Hobby two-wheelers

AllShredd  Cutterbar mowers

Lawn mowers  Verticutters  All-purpose machines

Quality, to be proud of

Contact your authorised agria dealer for service and prompt delivery of spare parts

agria-Werke GmbH, D-74215 Möckmühl, Phone 0049 6298/39-0, Fax 0049 6298/39-111