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

Please complete:

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

Symbols

⚠️ Warning – Danger
⚠️ Important information
加油站
🔥 Choke
➢ Oil
➢ Forward
➢ Reverse
➢ Hoeing drive
➢ open
➢ closed

For name plate, refer to p3/fig.A/16.
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
- Handlebar with tool box
- Hoeing tools 80 cm
- Extension guard 60 cm
- Depth bar
- Tool kit
Designation of Parts

A

B

Edition 11.98 Power Hoe 1400 Farmboy
Designation of Parts

Figure A

1. Engine
2. Steering bar
3. Tommy nut for handlebar height and side adjustment
4. Handlebar
5. Tool box
6. Speed control lever, engine shut-off switch
7. Dead stop lever
8. Clutch lever
9. Pawl of clutch lever
10. V-belt guard, left side
11. Hoeing guard
12. Extension guard
13. Guard discs
14. Add-on hoeing tools
15. Base hoeing tools
16. Front support wheel
17. Front hitch
18. Name plate (machine ID number)
19. V-belt guard, right side
20. Rear coupling hole
21. Beam of depth bar
22. Depth bar clamping screw
23. Depth bar

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 filling plug and control opening
12. Engine oil drain plug
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Lubricants, Anti-Corrosive Agents ................... 6
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Note fold-out pages!

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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 super-grade 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 caburetor, fuel filter, and tank. Or add a fuel stabilizing liquid to the fuel.

When storing the machine at the end of the season, also drain leaded fuel completely or add a fuel stabilizing liquid (for further instructions see “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.
Unpacking and Assembly

- Open the top of the cardboard box.
- Remove tommy nut (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 tommy nut (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.
- To establish the dead stop circuit, connect concentric plug and socket (5+6).
- Attach the tool box (10) to the steering handle using the attachment kit (7–9).
- Take the machine out of the box or cut the box open on all 4 corners and fold down the sides to remove the machine.
- Fit the hoeing tools and hoeing guards (refer to page 20), or, depending on application,
  - fit the drive wheels (refer to page 24),
  - fit the depth bar (refer to page 21),
  - fit the support wheel (refer to page 21).
- Carry out all steps for starting-up described on page 27.

E

Fit the hoeing tools and hoeing guards (refer to page 20), or, depending on application,
- fit the drive wheels (refer to page 24),
- fit the depth bar (refer to page 21),
- fit the support wheel (refer to page 21).
- Carry out all steps for starting-up described on page 27.
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 power hoe/multi-purpose machine has exclusively been designed for all common applications and tasks in forestry, horticulture, grass and park maintenance, and winter service (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.

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

Any unauthorized changes to the power hoe/multi-purpose machine 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.
1. Safety Instructions

Foreign powered parts shear and crush!
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 Danger Zone

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

Staying in the danger zone 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.
1. Safety Instructions

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

Couple 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 Attachment

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.
Do not spill any fuel, use a proper filling device.
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**

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.**
2. Specifications

Power Hoe 1400 Farmboy

Dimensions:

All dimensions in mm

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>a</td>
<td>420</td>
<td>420</td>
</tr>
<tr>
<td>b</td>
<td>630</td>
<td>630</td>
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<tr>
<td>d</td>
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<td>450</td>
<td>675</td>
</tr>
<tr>
<td>A</td>
<td>640</td>
<td></td>
</tr>
</tbody>
</table>

\( ^{1} \text{=} \text{incl. guard discs} \)
\( ^{2} \text{=} \text{incl. differential hubs} \)

Tyres (accessory):

4.00-8 ................. coarse tread tyres
5.0-10 .......................... field tyre

Tyre pressure:

4.00-8 .......................... 1.0bar
5.0-10 .......................... 1.2bar

Clutch:

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

Only use original agria spare parts!
(see list of wear parts on p43)

Transmission:

V-belt transmission,
2 forward speeds by moving V-belt to another pulley,
1 reverse speed using the reverse speed clutch.

Hoeing and wheel shaft are roller chain driven.

For ground speeds see table below

<table>
<thead>
<tr>
<th>Gear</th>
<th>Speed ([ \text{rpm} ])</th>
<th>Ground speed ([ \text{km/h} ])</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>( n_{\text{aw}} )</td>
<td>Tools</td>
</tr>
<tr>
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</tr>
<tr>
<td>I</td>
<td>55</td>
<td>4.00-8</td>
</tr>
<tr>
<td>II</td>
<td>125</td>
<td></td>
</tr>
<tr>
<td></td>
<td>![Symbol] (1)</td>
<td>25</td>
</tr>
</tbody>
</table>

Steering handle: .......... height and side adjustable without tools

Weight: .................... approx. 52 kg

Noise level:

In accordance with 3rd ordinance on machine safety law:

Noise level at operator’s ear .. 82.8 dBA
(in accordance with guidelines of German agricultural association)

Vibration acceleration value:

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

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

**Engine**

Manufacturer: .......... Briggs & Stratton

Type: ............................ 135 292 – 1169

Version: ...... Fan-air-cooled 1-cylinder-4-stroke engine (petrol)

Bore: ........................................ 65 mm
Stroke: ..................................... 62 mm

Piston displacement: ........ 205 ccm

Compression: ......................... 6:1

Output: ......... 3.2 kW at 3,600 rpm
Max. torque: ..... 10.0 Nm at 3,000 rpm

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

Ignition:
Electronic magnet ignition, contactless, ignition point is pre-set, radio remote screened according to VDE 0879

Valve lash (engine cold)
Intake: ......................... 0.13–0.18 mm
Outlet: ......................... 0.23–0.28 mm

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

**Fuel tank capacity:** ..................... 3 l
**Fuel:** ............................ Conventional petrol
Octane number min. 85 RON
(refer to fuel recommendations)

**Air filter:** ......................... Dry filter element with foamed pre-filter

**Carburetor:** ....................... Updraft

**Needle valve screw:**
in basic setting approx. 1 1/2 rev. open

**Rated speed:** ................. 3,600 rpm
**Top no-load speed:** ............ 3,800 rpm
**Idling speed:** ..................... 1,750 rpm

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

**Operability on Slopes:**
The engine will work satisfactorily on all slopes where the operator is still able to walk and operate the machine without problems (with oil level at “max” = upper level mark)
The agria power hoe type 1400 Farmboy is a machine for soil cultivation and is suitable for attachment operation. Therefore it is suited for horticultural, agricultural, forestal operations, park maintenance and winter service. The following attachments are available:

- Hoeing and ridging attachment,
- Ploughs.

**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 longevity. 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

Speed Control Lever

(Engine Shut-off Switch)
The speed control lever (A/6) on the steering handle is for stepless setting of engine speed from min. = idle to max. = full throttle. The lever also is for shutting the engine off. For settings refer to the figure.

The engine speed control lever also serves to shut off the engine in an emergency. It then goes into STOP position.

Dead Stop Function

The machine is equipped with a dead stop lever.

- **Stop position**: When releasing the lever (A/7), the ignition system is switched off (engine is shut off).

  Beware – engine keeps running due to centrifugal mass.

- **Start position**: For starting the engine and for short breaks, pull the clutch lever (A/8) and lock it with pawl (A/9).

- **Operating position**: To operate the machine press dead stop lever (A/6) down.

  Do not tie down dead stop lever.

  The dead stop lever also serves as an **emergency shut-off switch**. 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 with integrated reverse shift.

Operation is via the clutch lever (A/8).

The machine is decoupled when you pull the clutch lever until pawl locks into place. Now, the engine stops driving the machine. The clutch lever can be locked with pawl (A/9) when the machine is decoupled.

To avoid clutch slipping away during operation, a clutch play is factory-set at the clutch lever (refer to “Maintenance”).

After the first operating hour, the clutch play has to be checked and, if necessary, re-adjusted (refer to “Maintenance”).

Travelling Drive

Forward – Reverse

The power hoe is equipped with a clutch-integrated FR-gearshift, which is operated via the clutch lever (A/8).

Travelling Drive Forward Speed:
Move clutch lever down (A/8) – the pawl is unlocked.

Travelling Drive Idling Speed:
Clutch lever (A/8) is pulled approx. half way – the pawl is locked.

Travelling Drive Reverse Speed:
Pull clutch lever (A/8) all the way up.

Pawl (A/9) is for locking the clutch lever in idling position (“0”).

On slopes, always turn machine towards the slope.

Note: Always park machine with clutch lever pulled (“0” – pawl locked), otherwise clutch problems may arise due to deformation of V-belt.
3. Devices and Operating Elements

Speeds

To change speeds, move the V-belt to another idler pulley.

⚠️ Before you move the V-belt, stop the engine and remove the spark plug connector.

- Remove nuts (2) from the belt guard (1) and remove the guard.
- Move clutch lever (A/8) to neutral to prevent the idler presses against the V-belt.
- Replace the V-belt (3) to give the desired speed. Use your hands. Do not use a pointed or sharp tool because this would destroy the V-belt.
- Pull the belt guides either up (9) or down (8) to replace the V-belt. The spring-loaded belt guides will automatically pivot back to their original positions.
- Mount the belt guard (1) and attach it with the nuts (2).

Recommended Speeds

<table>
<thead>
<tr>
<th>Gear</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>coarse hoeing, ploughing</td>
</tr>
<tr>
<td>2nd</td>
<td>fine hoeing</td>
</tr>
</tbody>
</table>

1 Belt guard
2 Attachment nuts and bolts
3 Forward speed V-belt
8 Belt guide, bottom
9 Belt guide, top

18 Power Hoe 1400 Farmboy Edition 11.98
3. Devices and Operating Elements

Steering Handle

Steering Handle Height and Side Adjustment

- Undo the tommy nut (5) until the teeth are exposed.
- Move the handlebars (4) to the proper position.
- Tighten the tommy nut (5).
3. Devices and Operating Elements

Hoeing Tools

Working Width:

Base hoeing tools
approx. ............................ 55 cm
Base and add-on hoeing tools
approx. ............................ 80 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!

55 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.
- Attach the hoeing tools with bolts (7) and nuts (2), pushing the bolts through the holes on hub and shaft.

80 cm Hoeing Width including guard discs
- Fit the base hoeing tools in the same way as described in 55 cm working width.
- Fit add-on hoeing tools into the hubs of the base hoeing tools.
- Attach the hoeing tools with bolts (7) and nuts (2), pushing the bolts through the holes on hub and shaft.

Extension Guards

- 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.
- Attach the guard discs with bolts (7) and nuts (2), pushing the bolts through the holes on hub and shaft.
3. Devices and Operating Elements

**Depth bar**
The depth bar slows the power hoe down as the machine is moving forward in the field.

**Installing the Depth Bar**
Insert the depth bar into the rear coupling hole (A/20) and attach it using the bolt (5) and the nut (6).

The working depth depends on the setting of the depth bar (A/23), 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.

**Adjusting the Depth Bar**
- Undo the clamping screw (2).
- Move the depth bar (1) up or down to the desired position.
- Tighten the clamping screw.

**Front Support Wheel**
For easier transport, use the front support wheel.

**Installing the Front Support Wheel**
Insert the front support wheel (1) in the front hitch (A/17) and attach it with U-pin (2), pressure spring (3), washer (4), and split pin (5) as illustrated.

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

**Hoeing Position**
- Pull the U-pin (2) out until its front end is exposed
- Fold up the front-mounted support arm. Insert the front U-pin end into the top hole and lock it into the hole on arm.

**Transport Position**
- Fold down the wheel and lock it into position using the U-pin.
Attachments

3. Devices and Operating Elements

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 front hitch (A/17) on the base machine.

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

Rear Attachments

Standard rear attachments are coupled into the rear coupling hole using hex bolt (5) and lock nut (6).

Special rear attachments are coupled into the optional hitch (1) which is attached to the rear coupling hole using hex bolt (5) and lock nut (6).

Coupling Rear Attachments

Insert the attachment into the hitch and push the coupling pin (2) through the holes to connect both machines. Then secure with a R-clip.

Note

To adjust the float angle for some attachments such as ridgers or ploughs use the set screws (4) and the counternuts.

Uncoupling

To uncouple the rear attachments reverse the above process.

Coupling Device

The optional coupling device (1) is an adapter that is used to link up the attached implement (plough, cultivator, etc.) to the optional hitch. 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.

Adjust the float by altering the play X with the stop bolts (6 and 7) to improve steering of the individual attachments.
3. Devices and Operating Elements

Ridger

Required Accessories
1 hitch ...................... Item no. 1440 021
1 coupling device ..... Item no. 0440 111
1 ridger ................... Item no. 0252 011
alternatively
1 set of
strake wheels .......... Item no. 0120 011

Assembly:

45 cm Hoeing Width
• Remove the outer base hoeing tools
  (8 and 10) from each end of the hoeing
  shaft and swap sides with the cutting
  edges pointing inwards (see figure be-
  low).

32 cm Hoeing Width
• Only use the add-on hoeing tools
  with sides swapped; this way the cutting
  edges point against the sense of rotation
  but the forward movement is improved.

Strake Wheels
• To improve tractive power and ridging
  quality in hoed soil use strake wheels
  (accessory no. 0120 011) (16) instead of
  hoeing tools. Strake wheels are attached
  with linch pins through hub and hoeing
  shaft holes.

Ridger
• Remove the depth bar and install the
  the hitch and the coupling device (13) in-
  stead.
• Insert the ridger stem (1) into the leg
  pocket. Insert the U-pin (2) as shown and
  secure it with R-clip (3).
• To tilt the ridger (1) adjust it with hex
  set screw (5). Then move the ridger (1)
  into the desired tilting position and attach
  with clamping screw (4).

Ridging
For ridging operation start the power hoe
as described in the paragraph on hoe-

• 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 float-
  ing is adjusted with the set screws (11)
  and the lock nuts.
3. Devices and Operating Elements

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).

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

- 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 Tyres) and Drive-Wheels 5.0-10 (Field Tyres), 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 (torque of wheel bolts 80Nm)

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

Removing Differential Hubs

To remove the hubs reverse the above process.

Removing Drive-Wheels

To remove the drive-wheels reverse the above process.
3. Devices and Operating Elements

Differential Hubs

The differential hubs are factory-set to "differential effect".

To fit them rigidly, proceed as follows:

- Remove the circlip (4) with a pair of pliers.
- Pull the wheel flange (2) out a bit and rotate it slightly until the cam on the flange is located between the two keys on the hub.
- Push the wheel flange all the way onto the differential hub and fit the circlip.

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).

- 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.
3. Devices and Operating Elements

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).

Fitting Front Weight

Insert the front weight (1) into the front hitch and attach it with the pins (2) and the R-clips (3).

Removing Front Weight

To remove the front weight reverse the above process.

---

1. Front weight
2. Pin (2 pieces)
3. R-clip (2 pieces)
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. Make sure the air filter is serviced regularly and to use clean fuel.

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

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

Before you operate the engine the first time, fill in engine oil!

For this purpose, park the machine in such a way that the engine is in a horizontal position. For oil filling quantity and quality see specifications.

Check the Oil Level.

- Remove the oil filler plug (B/11).
- The oil level must level with oil filling opening (fig. R), top up engine oil as necessary.
- Screw oil plug back in and tighten it.

When the engine is running, the oil plug must sit tight in the oil filler neck.

To avoid starting problems, top up fuel before starting for the first time and after longer storage.

Before Each Operation:

- Check the engine oil-level (fig. R), if necessary – do not add too much oil.
- Check whether the fuel tank contains enough fuel.

Do not fill the fuel tank until the fuel overflows. Leave enough room (approx. 5 mm) for 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.
- Before starting the engine, move all controls to neutral or idling position.
- Keep your feet away from coupled attachment.
4. Commissioning and Operation

Starting the Engine

**Engine Cold:**
- Move Choke lever (B/5) to position “CHOKE”.

- Move speed control lever (A/6) to max (full throttle).

**Engine Warm:**
- Move speed control lever (A/6) to middle position (between idling speed and full throttle).

- Pull clutch lever (A/8) and lock with pawl (A/9) (start position).

- To start the engine, the operator must be positioned behind the handlebar.
- Keep off the danger zone (especially children).
- Pull starting-rope on handle (B/7) until you feel starter clutch engage. Then **pull hard and fast** to start the engine. After the start, let the rope glide back. Do not let snap.
- Once the engine has started, slowly move speed control lever to centre position and let the engine warm up for some time.
4. Commissioning and Operation

**Shutting off the Engine**

- Move speed control lever to idling position and let engine run idle for approx. half a minute.

- Move speed control lever to a stop into STOP-position.

*To shut the engine off, do not move CHOKE lever to CHOKE position – danger of fire!*

*The speed control lever is also the dead-stop lever. If necessary, move this lever to position “STOP” to shut off the engine.*
4. Commissioning and Operation

Hoeing

- Select the desired speed by moving the V-belt to the appropriate pulley:
  1st gear: coarse hoeing (weed control)
  2nd gear: fine hoeing (seedbed preparation)

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

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 handlebar (before, remove the depth bar).

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

- Start the engine as explained in chapter “Starting the Engine”
- Slightly pull the clutch lever (A/8), unlock pawl (A/9) and slowly release it while you are pulling the speed control lever (A/6). The hoeing tools start rotating.
- Adjust the desired working depth by setting the depth bar (see chapter “Depth bar”).
- 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.

Danger Zone

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

Working with Attachments

- Fit drive-wheels.
- Couple the attachment.
- Select the correct speed by moving the V-belt to the appropriate pulley:
  1st gear: ploughing
  2nd gear: transport
- Slightly pull the clutch lever (A/8), unlock pawl (A/9), slowly release the lever while pulling the speed control lever. The machine starts moving forward.

Going in Reverse

- Move speed control lever to IDLING.
- Pull clutch lever (A/8) to middle position and wait until the machine stops moving forward.
- Pull clutch lever all the way up and press the trottle at the same time.

If cleaning becomes necessary during operation, shut off the engine and remove spark plug connector for safety reasons.

End of Operation

- Pull clutch lever (A/8) and lock pawl.
- Switch off the engine – move speed control lever (A/6) to “STOP”

If the attachment comes with guards, attach them immediately after work.
5. Maintenance

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.

The machine will operate reliably at all times, if it receives proper servicing. After each operation clean the machine and, especially, the cutter bar.

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 (fig. R)
- 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

Clean air filter insert after every 3 months or after every 25 operating hours at the latest (in case of heavy dust occurrence earlier). For this purpose, proceed as follows:

- Loosen screws and remove filter housing cap.
- Remove foamed preliminary filter from cap and wash in non-foaming, warm suds. Do not use paraffine containing detergents (petrol etc.). Rinse preliminary filter inside out in running water, rinse until water stays clear.
- Let insert air-dry completely, before you insert it again.
- Slightly soak foamed preliminary filter with engine oil, squeeze oil out well (wrap in a cloth and press) to prevent the dry filter element from becoming wet due to excess oil.
- Tap dry filter element, do not blow clean with compressed air. Do not treat with oil.
- Clean dry filter element after every 100 operating hours or after heavy soiling.

Fuel System

- Each time you maintain the machine, check fuel hose, fuel tank, and carburetor for leakages. Repair, if necessary, immediately replace leaking or porose fuel hose.
- Replace fuel hoses after every 2 years.
- If engine fuel supply is too high, move speed control lever to “full throttle” and crank engine with recoil starter until engine starts. Do not crank engine when spark plug is removed.
5. Maintenance

Spark Plug

- After every 50 operating hours clean spark plug and reset the gap to 0.75mm. 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 through 90° or at a torque of 20...30 Nm (fig. U).
- With spark plug or spark plug lead removed, do not check ignition for spark formation. Only use approved testing equipment.

Cleaning the Cooling Screen

After long operation, dirt can clog the cooling system. To avoid overheating and damage to the engine, regularly clean the 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). For this purpose, contact your professional AGRIA workshop.

Governor

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

Exhaust

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

⚠️ Danger of fire!

Check each time before you take up operation.
5. Maintenance

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 gasket. **For this purpose, contact your professional AGRIA workshop.**

Cylinder Head Bolts

After the first 5 operating hours re-tighten cylinder head bolts at 16 Nm (1.6 kpm).

Speed Control

Engine speed controls 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 the carburetor. Only let the engine run with air filter and air filter cover fitted. **For carburetor adjustment, contact your AGRIA workshop.**
5. Maintenance

Machine

Transmission

The chain drive is lubricated with regular lithium grease.

- Add some grease once a year through the hole on the gearbox.

Drive-Wheels

- When operating the machine the first time and 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 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.

Clutch Inspection

Ensure the drives are disengaged when the lever is in position 0 (pawl is locked) to maintain proper belt clutch function. This means that ground drive in forward and reverse must come to a stop. Adjust the belt tension as necessary.

V-belt

Inspect the belts at least once a year.

- To do this, remove the belt guards after removing the 3 attachment nuts and bolts.

- Replace the belt if they show wear or cracks.

- Do not use commercial V-belts but only genuine agria belts!

- Then adjust the V-belt.

Only operate any attachments after all guards are in place.
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).

- Remove the belt guard (1) after removing the attachment nuts and bolts (2).

1 Setting the Reverse Drive Clutch

- Move clutch lever (A/8) to position 0 (pawl is locked).
- Set the idler (4) via the cable setting screw (10) until reverse drive is disengaged and until the clutch belt (1) is engaged when the clutch lever is pulled.
- Retighten the lock nuts (11) on the cable setting screw.
5. Maintenance

2 Setting the Forward Drive Clutch
– This is done after the reverse speed clutch was set
  ● Move clutch lever (A/8) to position 0 (pawl is locked).
  ● Loosen the lock nut (5) on the setting screw and adjust the setting screw (6) until forward speed is disengaged in position 0 and engaged in position 1 (pawl is unlocked).
  ● With forward speed engaged, the play X on the clutch lever is about 2 mm.
  ● Retighten the lock nut (5) on the setting screw.
  ● Attach the belt guard
  ● Move the clutch lever (A/8) to position 0 (pawl is locked).

Belt Guides

Ensure there is about 2 mm clearance between the belt guides (7) and the belts (1).

Otherwise the clutch will disengage only with difficulty and cause extremely high belt wear.

⚠️ Only operate any attachments after all guards are in place.
5. Maintenance

Dead Stop Circuit

Check the dead stop circuit for proper function each time you do maintenance work on the machine.

Upon release of lever (A/7) and with clutch engaged the engine must automatically come to a stop.

Check electric lines and connections for good condition, exchange, if necessary.

For this purpose, contact your agria workshop.

General

- Watch out for fuel and oil leakages and repair, if necessary.
- Regularly check nuts and bolts for tight fit and re-tighten, if necessary.
- 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.
5. Maintenance

Storage

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

a) Clean Thoroughly

Repair paint coat, grease all lubricating points and operate the power hoe for a short time. Then spray all shining parts, in particular hoeing tools, with bioslushing oil.

b) Engine Preservation

- Drain the fuel completely 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).

- Change the engine oil

- Fill a tea-spoon (approx. 0.03l) of engine oil into spark plug opening. Slowly crank the engine.

- Slowly crank the engine at 2–3 weeks intervals (spark plug connector is disconnected).

  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.

c) 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 unsupported.

d) Clutch

Always park two-wheel tractor with the hand clutch lever pulled ("0" pawl locked in place). Otherwise clutch problems may result due to corrosion.

f) Storage

Do not park the machine in humid rooms, in rooms where fertilizer is stored, in stables or adjacent rooms because of severe corrosion.

g) Protection

Protect the machine with a cloth or 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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<th>Problem</th>
<th>Possible cause</th>
<th>Remedy</th>
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<td>Engine does not start</td>
<td>- Spark plug connector not connected</td>
<td>Connect spark plug connector</td>
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<td></td>
<td>- Choke is not in position CHOKE</td>
<td>Set Choke-lever to position “CHOKE”</td>
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<td></td>
<td>- Fuel tank empty or poor fuel</td>
<td>Fill fresh fuel</td>
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<td>- Fuel line clogged</td>
<td>Clean fuel line</td>
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<td></td>
<td>- Defective spark plug</td>
<td>Clean, adjust or exchange spark plug</td>
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<td></td>
<td>- Engine too much fuel (&quot;flooded engine&quot;)</td>
<td>Dry and clean spark plug and start at FULL THROTTLE</td>
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<td></td>
<td>- Inleaked air due to loose carburetor and suction line</td>
<td>Tighten fastening screws</td>
<td></td>
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<tr>
<td>Misfirings in engine</td>
<td>- Engine running in CHOKE range</td>
<td>Set CHOKE-lever to operating position</td>
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<tr>
<td></td>
<td>- Loose ignition cable</td>
<td>Firmly connect spark plug connector to spark plug, fix ignition cable retaining device</td>
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</tr>
<tr>
<td></td>
<td>- Clogged fuel line or poor fuel</td>
<td>Clean fuel line, fill fresh fuel</td>
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<tr>
<td></td>
<td>- Vent opening in fuel tank cap clogged</td>
<td>Exchange fuel tank cap</td>
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<td></td>
<td>- Water or dirt in fuel system</td>
<td>Drain fuel and fill fresh fuel</td>
<td></td>
</tr>
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<td></td>
<td>- Air filter clogged</td>
<td>Clean air filter or exchange</td>
<td>33</td>
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<td></td>
<td>- Carburetor misadjusted</td>
<td>Re-adjust carburetor</td>
<td>35</td>
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<tr>
<td>Excessive temperature in engine</td>
<td>- Low engine oil level</td>
<td>Refill oil immediately</td>
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<td></td>
<td>- Impaired cooling</td>
<td>Clean cooling fan grille, clean internal cooling fins</td>
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<tr>
<td></td>
<td>- Air filter clogged</td>
<td>Clean air filter</td>
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<tr>
<td></td>
<td>- Carburetor misadjusted</td>
<td>Re-adjust carburetor</td>
<td>35</td>
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<tr>
<td>Misfirings in engine at high speeds</td>
<td>- Short firing intervals</td>
<td>Adjust spark plug</td>
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<tr>
<td></td>
<td>- Incorrect idle mixture</td>
<td>Adjust carburetor</td>
<td>35</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>34</td>
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<tr>
<td></td>
<td>- Air filter clogged</td>
<td>Clean air filter</td>
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<tr>
<td></td>
<td>- Carburetor misadjusted</td>
<td>Re-adjust carburetor</td>
<td>35</td>
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<tr>
<td>Engine does not run smoothly</td>
<td>- Speed control linkages clogged or jammed</td>
<td>Clean speed control linkages</td>
<td>34</td>
</tr>
<tr>
<td>Engine does not stop when set to stop</td>
<td>- Speed control and engine stop are not adjusted properly</td>
<td>Adjust speed control</td>
<td>41</td>
</tr>
</tbody>
</table>
## 6. Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible cause</th>
<th>Remedy</th>
<th>Page</th>
</tr>
</thead>
</table>
| Engine output too low | - Air filter clogged  
- Loose cylinder head or damaged gasket  
- Poor compression | Clean air filter  
Tighten cylinder head, exchange gasket  
Have engine checked | 33  
* |
| Travelling drive or attachment does not stop with clutch pulled | - Incorrect V-belt clutch adjustment | Adjust V-belt clutch | * 37–38 |
| Excessive vibration | - Attachment bolts loosened | Tighten attachment bolts | 39 |

* = For this purpose contact your agria workshop.
Dead Stop Circuit

1 Engine
2 Solenoid ignition system
3 Engine shut-off switch
   (on speed control lever on engine)
4 Connector
5 Switch in dead stop lever
6 Switch in clutch lever

bl blue
br brown
**Lubricants, Varnishes, Wear Parts**

*agina Order No.*

**Lubricants and Anti-Corrosive Agents:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
</tr>
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<tbody>
<tr>
<td>690 35</td>
<td>Bio-Lubrication grease cartridge</td>
<td>400g</td>
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<tr>
<td>690 36</td>
<td>Bio-Slushing oil bottle</td>
<td>500ml</td>
</tr>
<tr>
<td>673 50</td>
<td>Fuel stabilizer bottle</td>
<td>125ml</td>
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**Emergency Tyre Repair:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>713 13</td>
<td>Tyre sealing gel Terra-S bottle</td>
<td>1l</td>
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</table>

**Varnishes:**

<table>
<thead>
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<th>Code</th>
<th>Description</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>181 03</td>
<td>Spray varnish birch-green spray tin</td>
<td>400ml</td>
</tr>
<tr>
<td>712 98</td>
<td>Spray varnish red, RAL 2002 spray tin</td>
<td>400ml</td>
</tr>
<tr>
<td>509 68</td>
<td>Spray varnish black spray tin</td>
<td>400ml</td>
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</tbody>
</table>

**Wear Parts:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>672 44</td>
<td>Air filter insert</td>
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<tr>
<td>686 34</td>
<td>Spark plug RJ 19 LM</td>
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<tr>
<td>759 59</td>
<td>V-belt for 1st and 2nd speed</td>
</tr>
<tr>
<td>759 60</td>
<td>V-belt for reverse speed</td>
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</tbody>
</table>

⚠️ **Note:** Only use original agria V-belts!
## 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. every 3 months</th>
<th>min. yearly</th>
<th>B</th>
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<tbody>
<tr>
<td>Clean engine</td>
<td>K</td>
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<tr>
<td>Check bolts and nuts</td>
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<tr>
<td>Check engine oil level, refill, if necessary</td>
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<td>First engine oil change, subsequent oil changes</td>
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<tr>
<td>Check air filter</td>
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<tr>
<td>Clean air filter insert</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td>32</td>
</tr>
<tr>
<td>Replace air filter insert, earlier, if required</td>
<td>W</td>
<td></td>
<td></td>
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<td>Replace fuel hoses</td>
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<tr>
<td>Clean cylinder head</td>
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<tr>
<td>Clean cooling-screen</td>
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<td>33</td>
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<tr>
<td>Clean guide plates, cooling fins – earlier, if required</td>
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<tr>
<td>Clean spark plug, adjust gap</td>
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<tr>
<td>Replace spark plug</td>
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<tr>
<td>Tighten cylinder head bolts</td>
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<td>Lubricate roller chain transmission</td>
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<td>Check dead stop function</td>
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<tr>
<td>Check V-belts</td>
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<tr>
<td>Lubricate all gliding parts</td>
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<td>Lubricate differential hub</td>
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<td>Check drive-wheel bolts</td>
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<td>35</td>
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</tbody>
</table>

A = Each time before you take up operation  
B = After each cleaning  
E = Once-through maintenance to be executed by professional workshop  
K = Checks and service to be executed by operator  
W = Maintenance to be executed by professional workshop

* = after 2 years
EC Conformity Declaration
in accordance with the EC directive machinery 98/37/EC

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

herewith declare in sole responsibility that the product
Power Hoe, Type 1400 Farmboy
to which this declaration refers, corresponds to
the standard fundamental safety and health requirements
as stipulated in EC directive machinery 98/37/EC
and EMC directive 89/336/EC.

The following harmonized standards have been applied:
ES 709

Möckmühl, 5th June 1998

Gregor Czaja
Head, Quality Control

Dipl. Ing. Thomas Ilchmann
Head, Research and Development
THE WINNING TEAM

Power Hoe

One-Wheel Hoe

Hobby Two-Wheeler

AllShredd

Cutterbar Mower

Lawn Mower

Verticutter

Multi-Purpose Machine

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