

# SEMI-PROFESSIONAL TILLER RURIS 7500ACC



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## 1. INTRODUCTION

Dear customer!

Thank you for your decision to buy a RURIS product and for your trust in our company! RURIS has been on the market since 1993 and in that time has become a strong brand, building its reputation by keeping its promises, but also by continually investing to help customers with reliable, efficient and quality solutions.

We are convinced that you will appreciate our product and enjoy its performance for a long time. RURIS offers its customers not just machines, but complete solutions. An important element in the relationship with the customer is the advice both before and after the sale, RURIS customers have at their disposal a whole network of partner shops and service points.

To enjoy the product you have purchased, please read the user manual carefully. By following the instructions, you will be guaranteed a long use.

RURIS is continuously working on the development of its products and therefore reserves the right to change their shape, appearance and performance, among other things, without prior notice.

Thank you once again for choosing RURIS products!

Information and customer support:

Phone: 0351.820.105

e-mail: [info@ruris.ro](mailto:info@ruris.ro)

## 2. SAFETY INSTRUCTIONS

## 2.1 MACHINE WARNINGS



Warning! Danger!



Read the instruction manual before using these machines.



The operator must wear Personal Protective Equipment (PPE). If the machine is in use, goggles must be worn to protect against objects projected into the air; hearing protection items such as soundproof headphones must be worn.



Do not damage the manual. Keep it for future reference.



Electricity hazard.



Do not use flammable solutions near the machine.



Avoid contact with moving parts of the machine.



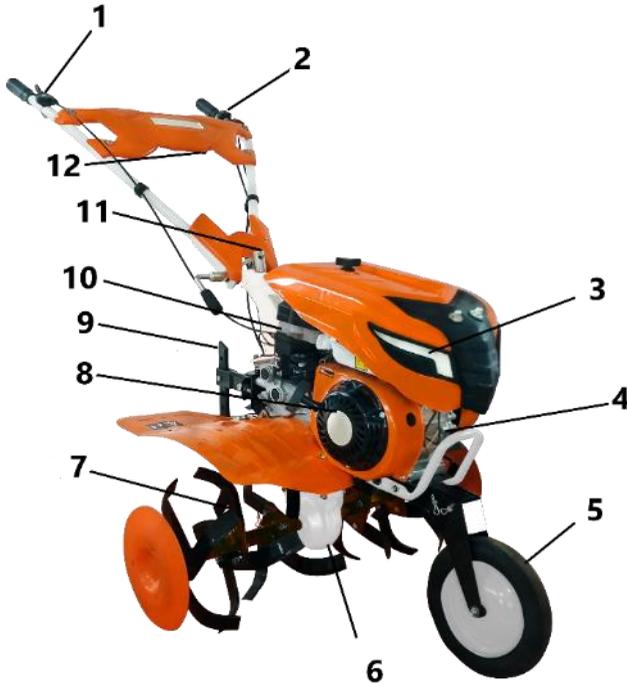
Avoid areas with high machine temperatures.



Do not operate the machine in enclosed spaces.

### 3. MACHINE OVERVIEW

The motorbike consists of the following elements:



1 - Throttle lever 2 - Engine ON/OFF button

3 - LED headlight 4 - Engine 5 - Front wheel 6 - Transmission

7- Cutter assembly 8- Starter 9- Depth shoe 10- Air filter

11- Horn support 12 - Clutch lever

**WARNING:**

The tiller is not supplied with oil in the engine unit. Before putting into service, check and fill up with the recommended engine oil according to the instructions in the manual.

There is oil in the engine oil bath below the level, which is only for preservation and not for operation.

<b>Model</b>	<i>RURIS 7500 ACC</i>
<b>Weight (with knives)</b>	80 kg
<b>Engine</b>	4-stroke
<b>Engine manufacturer</b>	General Engine
<b>Cylinder capacity</b>	208 cc
<b>Power</b>	7 hp/5.2 kW
<b>RPM</b>	Max 3600 Min 2000
<b>Consumption litres/h</b>	250 ml/kwh
<b>Fuel</b>	Unleaded petrol

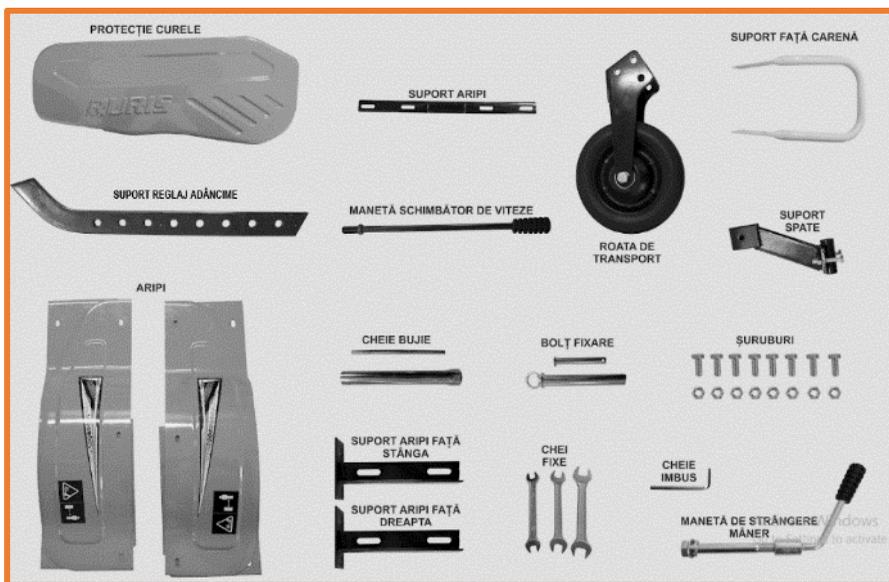
Use the machine for the purpose for which it was designed, i.e. soil tillage. Any other use could be dangerous and could damage the equipment. Do not use to cultivate ground containing rocks, stones, wire or any other hard material.

**Change the engine oil every 25 hours of operation and the transmission oil every 50 hours of operation or 6 months.**

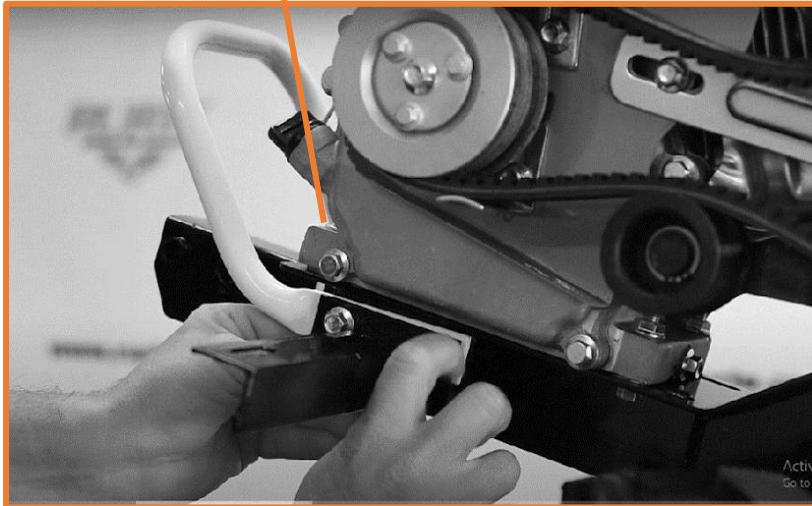
## 5. ASSEMBLY

The video can be viewed at: <https://www.ruris.ro/filme-montaj>

### Component parts



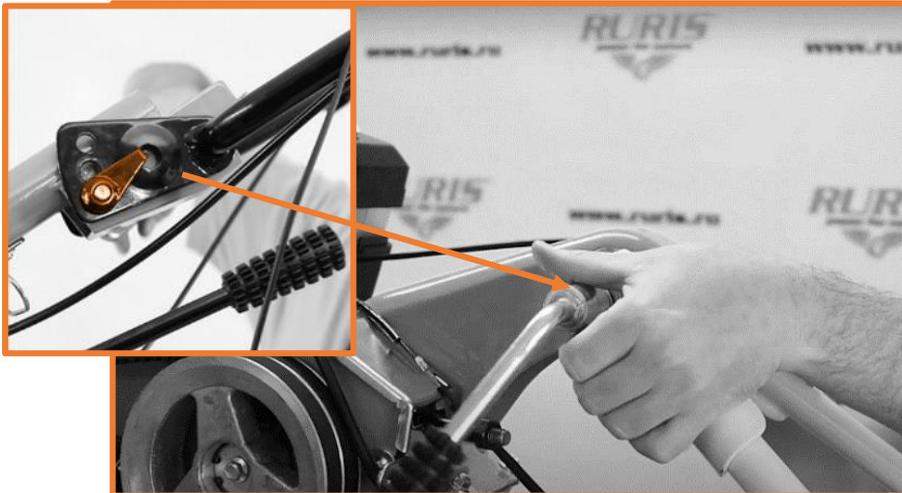
Mount the front bracket and the left/right wing supports.



Mount front wheel and secure with bolt + bolt



Mount the horns and secure them with the handle clamp lever. (depending on horn model)



Mount the rear wing support.



Fit the protective airpile.

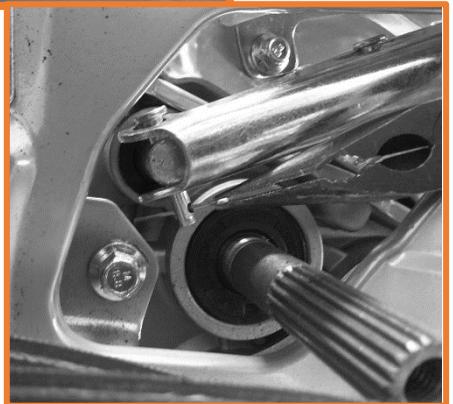


The gearbox is mounted and locked with the bolt - fuse.

To achieve this it is necessary to dismantle the fulia.



/s.





Plug in LED wires



Fasten the hood into the 3 fixing screws.



The images are for information only, the supplier reserves the right to make structural and functional changes to the machine shown in this manual.

## 6. FUEL AND OIL SUPPLY

### 6.1 OIL SUPPLY

#### Engine oil supply

Before starting the engine, fill the engine with RURIS 4T-MAX oil or an oil of API classification: CI-4/SL or higher.

The motorcycle is not delivered with oil in the engine.

**Engine oil bath capacity 0,6L**

**WARNING:**

- Do not use reverse for digging or transporting over a distance of more than 10m for a single drive.
- Check that the oil level is correct by unscrewing the plug (oil dipstick) located on the crankcase and see if the oil reaches the first top thread at the top filler. The check is carried out with the engine positioned horizontally.



**WARNING:**

Always, before each start, pull the starter rope on the engine gently 4 times at the most (starter button in the OFF position) so that the oil penetrates all the cylinder ports, valves.

Otherwise, if you attempt to start the engine suddenly by pulling the starter rope directly, you risk engine seizure or serious engine damage.

**Transmission oil supply**

The capacity of the transmission oil bath is 1500 ml.

Use RURIS G-Tronic transmission oil or an oil of API classification: GL-4 or higher. The maximum oil level of the gearbox is at the bottom of the oil filler hole on the right side of the gearbox.

The motorcycle is not supplied with oil in the gearbox bath.

## **TRANSMISSION OIL CHANGE EVERY 50 OPERATING HOURS**

### **6.2 FUEL SUPPLY**

Use quality fuel from authorised Peco stations.

Fuel with the highest quality UNLEADED GASOLINE type fuel, using a metal funnel, in open spaces and away from sources of fire or sparks, which could cause a fire.

#### **WARNING:**

Do not feed on the ground or around plants as you risk damaging the environment.

## **7. PRE-OPERATION CHECKS**

1. Check that all screws are tight and adjust if necessary.
2. Check each handlebar lever (throttle, gearshift and reverse) for functionality. If the handle positions are incorrect, adjust them to be in the proper positions.
3. Move the gearshift to neutral.
4. Oil topping up.
  - Fill the engine oil sump with RURIS 4T- MAX lubricating oil.
  - Place the machine on a flat surface while you feed transmission oil into the gearbox.
  - To check the oil level use the dipstick, the oil must be at full level.
  - Check for oil leaks.
  - Add oil to the air filter.
5. Clean the unit of dust and dirt, especially the air filter.

## **8. RUNNING-IN PERIOD**

The motorbike should run for 5 hours under light load. After this period, change the oil in both the transmission and the engine. Then fill the transmission oil sump with RURIS G-

Tronic or an oil of API classification GL-4 or higher and the engine oil sump with RURIS 4T-MAX or an oil of API classification CI-4/SL or higher.

Unleaded petrol will be used in the scooter.

It is recommended that before use the petrol is decanted and filtered through a metal sieve.

## 9. COMMISSIONING

**It is forbidden to idle the engine without load for more than 5 minutes as you risk damaging the drive belts.**

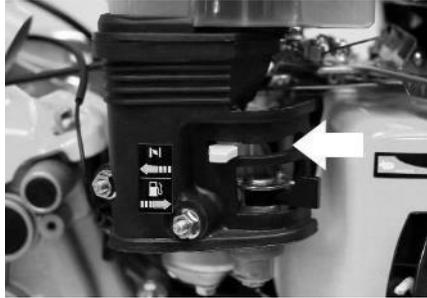
**The engine fitted to your tiller is factory run-in and does not require idling.**

Before starting up the Motorcycle, you must ensure that the following conditions are met:

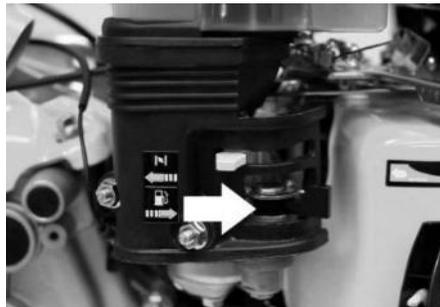
- fill the air filter container with clean engine oil to the maximum level indicated
- there are no persons or objects within a radius of 5 metres on either side of the chain-saw with which it could come into contact
- the snow plough is placed horizontally
- the front wheel is mounted and raised off the ground
- the engine has oil in the bath at maximum level
- the gearbox has full oil level
- the engine has a minimum of 500 ml of petrol in the tank
- the cutting knives are secured with the fixing bolts or, if transport wheels are fitted, they are secured with the fixing bolts and the tyre pressure is between 1,5-2 bar
- all the bolts of the chainsaw are properly tightened

### **Starting the engine**

- position the shock flap in the direction indicated for cold start.



Position the petrol tap flap in the direction indicated.



- pull the starter rope 4 times, gently, to prime all the internal engine holes with oil
- fully depress the throttle lever (in position H)
- turn the ON/OFF switch to the ON position



- pull steadily and firmly on the starter rope from the engine, after pre-tensioning it (pull gently until you meet the compression resistance of the engine)
- position the gearshift in the desired gear and with your left hand squeeze the cutting knife lever. They will start to rotate
- move the throttle gently in the opposite direction until the engine is operating within its parameters, i.e. it has no symptoms of stopping

**WARNING:**

Release the cutter lever and the cutters will stop.

If you hear a continuous slipping noise when coupling, or if the chain saw does not move, check the cutter drive cable once again, as it has been set to a short travel.

**NOTE:**

Coupling must always be done at full engine speed, otherwise you risk damaging the belt.

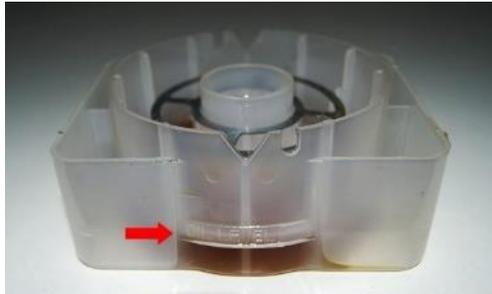
At this point you can start digging the soil.

## 10. SYMPTOMATIC STARTING PROBLEMS

- check that the oil in the engine is at the right level, as the engine fitted to your tiller may have an oil sensor that switches off the spark plug if it is not at full level in the engine
- check that the fuel tap is open in the indicated position
- check that you have fuel in the tank and that it is adequate (no fuel other than that indicated or older than 1-2 weeks)
- check that the throttle lever is fully engaged
- check that the shock flap is in the closed position
- check that the air filter is not clogged with impurities
- replace the spark plug with a new one

## 11. MAINTENANCE

- after each use clean the air filter and replace the oil in the filter chamber with a clean one if necessary or when replacing the oil in the engine.
- 



- after each use clean the cutting knives and check them
- after each use, grease the shaft on which the cutting knives are fixed with Vaseline
- adjust the cables if you notice that the knives do not respond to commands or stop on load
- change transmission/engine oil every 50/25 hours or 6 months.

### Fitting/removing the transmission drive belt

This is done as follows:

- removing the side cover of the protective housing
- the actual removal of the belt
- fitting the new transmission belt
- fitting the protective cover

If you remove the belt tensioner, it will be mounted and aligned after the new belt by keeping the original position of the adjusting bushing or rotating it 180 degrees according to step 7 in the installation guide, so it will be on the same axis, protecting and not damaging the drive belt.

**NOTE:**

The replacement of the couplings should only be carried out by an authorised service, as they have different tightening of the screws that secure them.

If after a long period of operation, the tensioner no longer works at full capacity, the belt slipping under load, the drive cable should be adjusted.

## 12. PACKING AND STORAGE OF MACHINERY

### 12.1 PACKING

Packed in sealed cardboard boxes for easy movement.

Inside you will find:

- user manual
- guarantee certificate
- snowmobile
- kit of keys

### 12.2 STORAGE

- The motorcycle must be stored in a dry place with a roof and protected against dampness, in rooms with windows and adequate ventilation.
- The fuel should be drained from the tank, the fuel tap turned off and the

machine allowed to run until all the fuel in the carburettor is consumed.

- Active metal parts must be greased with Vaseline
- Oil must be left in the engine bath during storage
- Engine oil must be replaced if the tiller has been stored for more than 6 months.

### 13. ACCESSORIES COMPATIBLE WITH THE MACHINE

<p><b>Adjustable wagon</b></p> 	<p><b>Ditcher TS103</b></p> 	<p><b>Potato plough TS</b></p> 
<p><b>Cultivator TS103</b></p> 	<p><b>Multifunctional cultivator with two rows</b></p> 	<p><b>Snow blade</b></p> 
<p><b>PTS2 high precision drill</b></p>	<p><b>TS3 3-row seed drill</b></p>	<p><b>Set of rubber wheels 400x8 TS103</b></p>

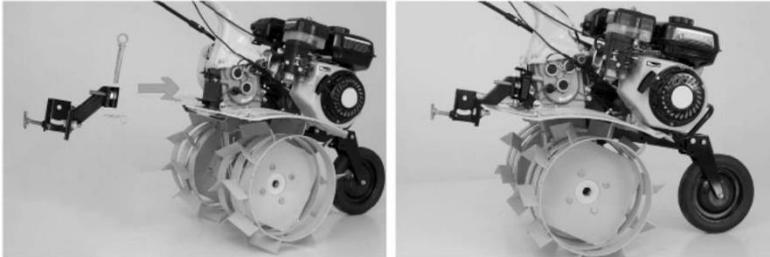


<p><b>Set of metal wheels 350 TS 103</b></p> 	<p><b>Set of metal wheels 400 TS 103</b></p> 	<p><b>TS100 gearbox</b></p> 
<p><b>Universal hub with lock TS103</b></p> 	<p><b>TS103 universal hub set</b></p> 	<p><b>Set of hubs with lock CRT280</b></p> 
<p><b>Water pump</b></p>	<p><b>Trailer: 550 kg load capacity</b></p>	<p><b>Trailer: 450 kg load capacity</b></p>

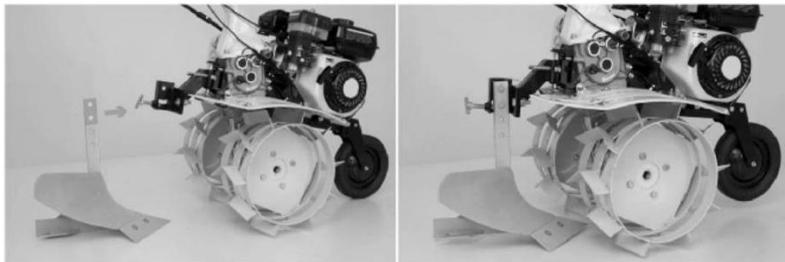
		
<p><b>Towed accessory</b> <b>Navigator 88</b></p> 	<p><b>CRT570 mower system</b></p> 	<p><b>Adapter accessories</b></p> 

## 14. COUPLING OF ACCESSORIES

### 14.1 PLOUGH COUPLING

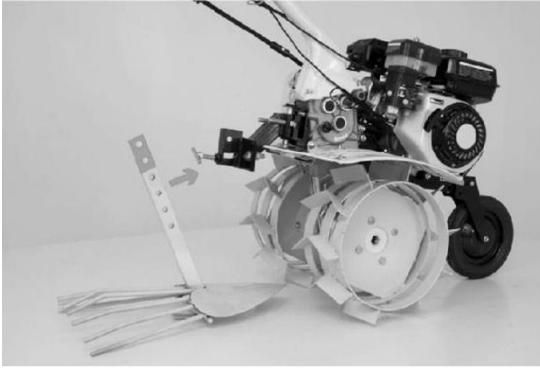


1. Mount the accessory adapter and secure with the bolt.

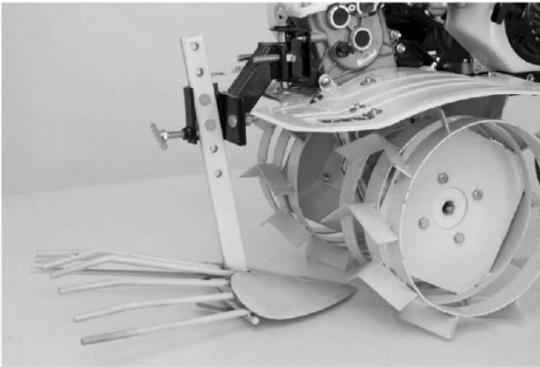


2. Attach the plough to the adapter and secure with two screws.

## 14.2 COUPLING OF POTATO PLOUGH

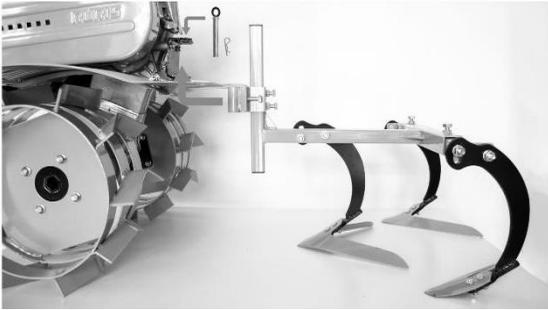


1. Use the accessory adapter



2. Fit the potato plough  
and secure it with two screws

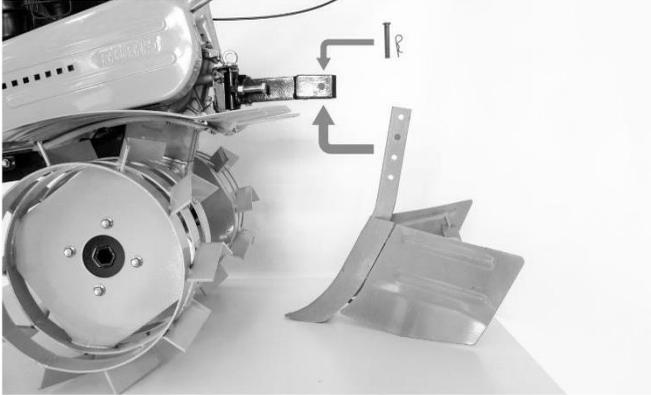
### 14.3 CULTIVATOR COUPLING



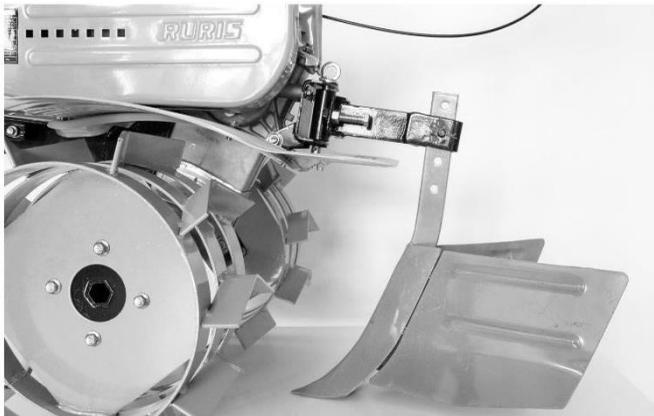
1. The cultivator is coupled using the bolt and safety catch provided



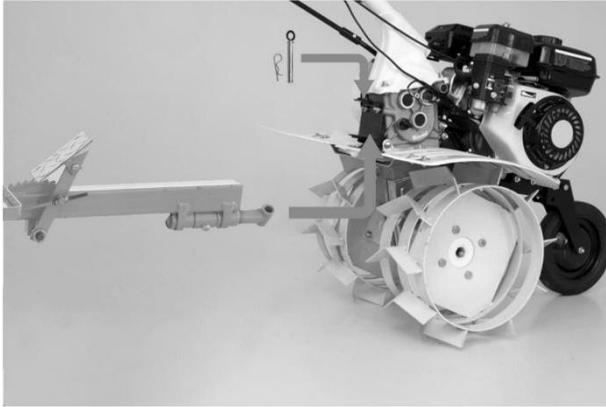
## 14.4 ADJUSTABLE DITCHER COUPLING



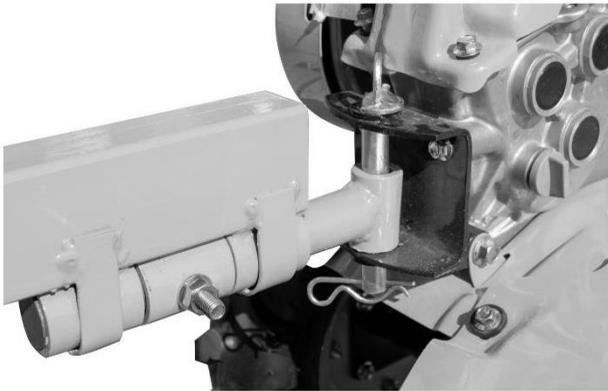
1. The ditcher is coupled using the bolt and safety catch provided



## 14.5 TRAILER COUPLING



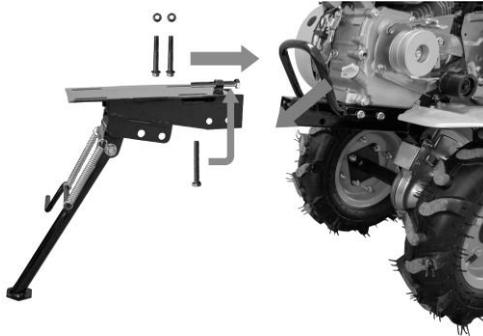
1. The trailer is coupled using the bolt and safety catch provided



## 14.6 WATER PUMP COUPLING

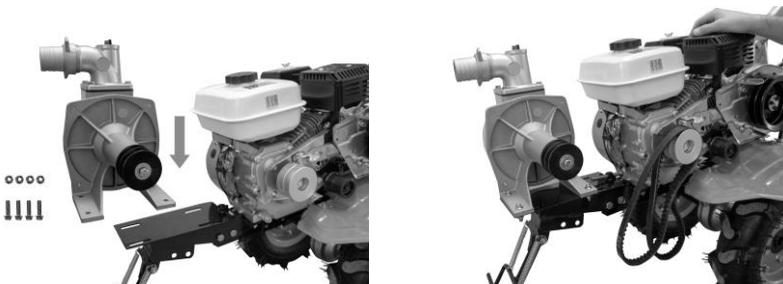
### Step 1

Detach the handle of the chain saw, then mount the pump foot with the 2 screws.  
Beforehand, fit the belt adjustment screw.



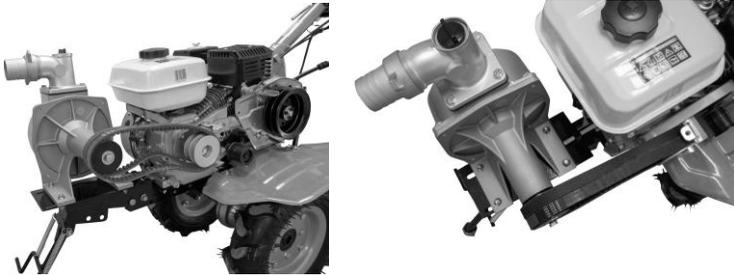
### Step 2

Mount the pump body with the 4 screws.



### Step 3

Fit the two straps and adjust with the screw.



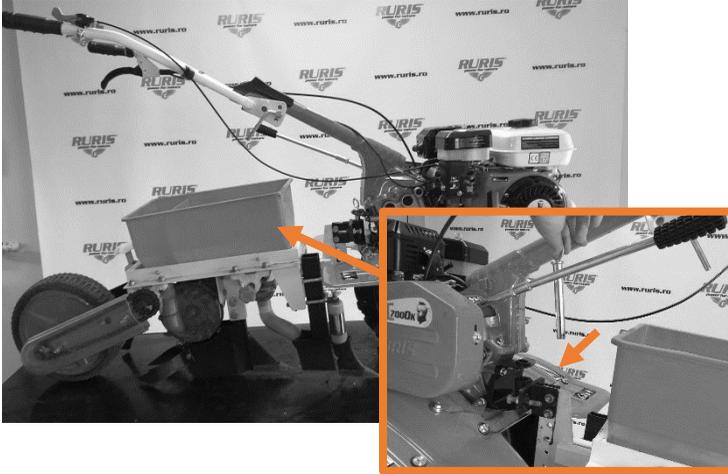
## 14.7 TS3 3 ROW SEED COUPLING

1. The seed drill is coupled using the bolt and safety catch provided



## 14.8 COUPLING HIGH PRECISION SOWING DRILL PTS2

1. The seed drill is coupled using the bolt and safety catch provided



## 14.9 COUPLING THE SNOW PLOUGH

1. Snow blade is coupled using the screws provided



## 15. COUPLING DEPTH ADJUSTMENT BRACKET AND DITCHER

1. Depth adjustment bracket and plough are coupled using the supplied screws



## 15.1 CRT MOWING SYSTEM

1, Installation guide is in the accessory box

