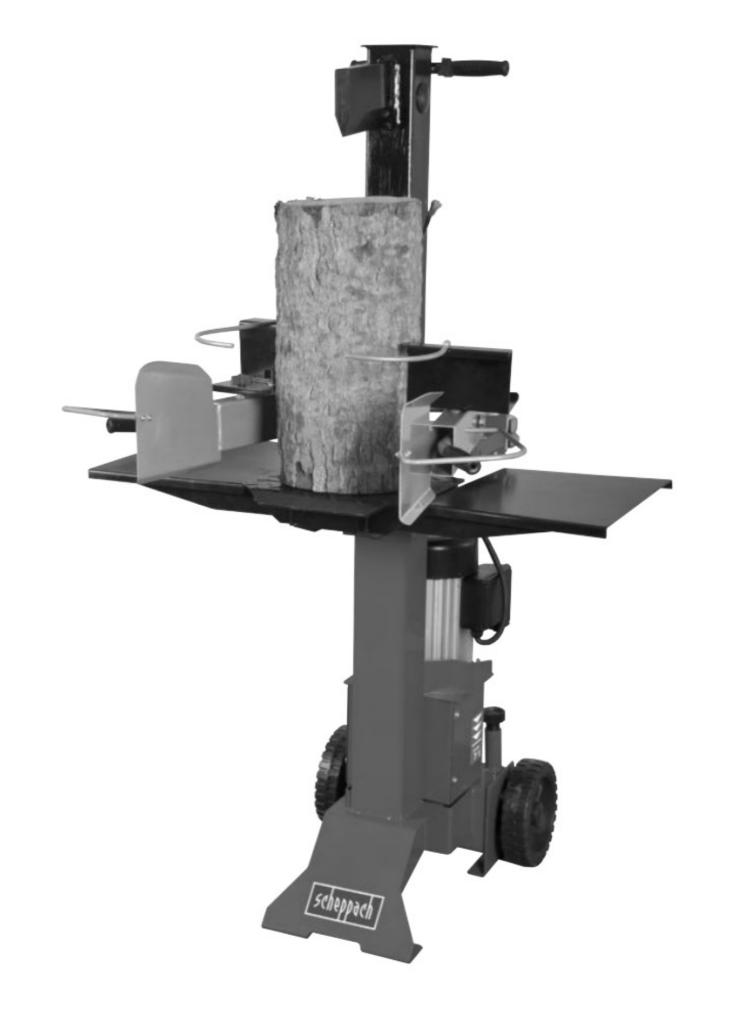


SCHEPPACH HL730 Log splitter Instruction Manual

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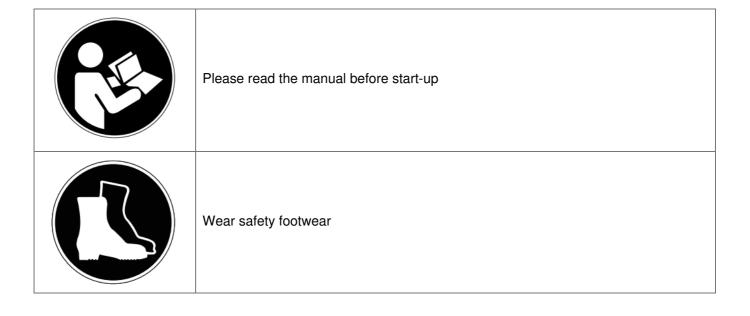


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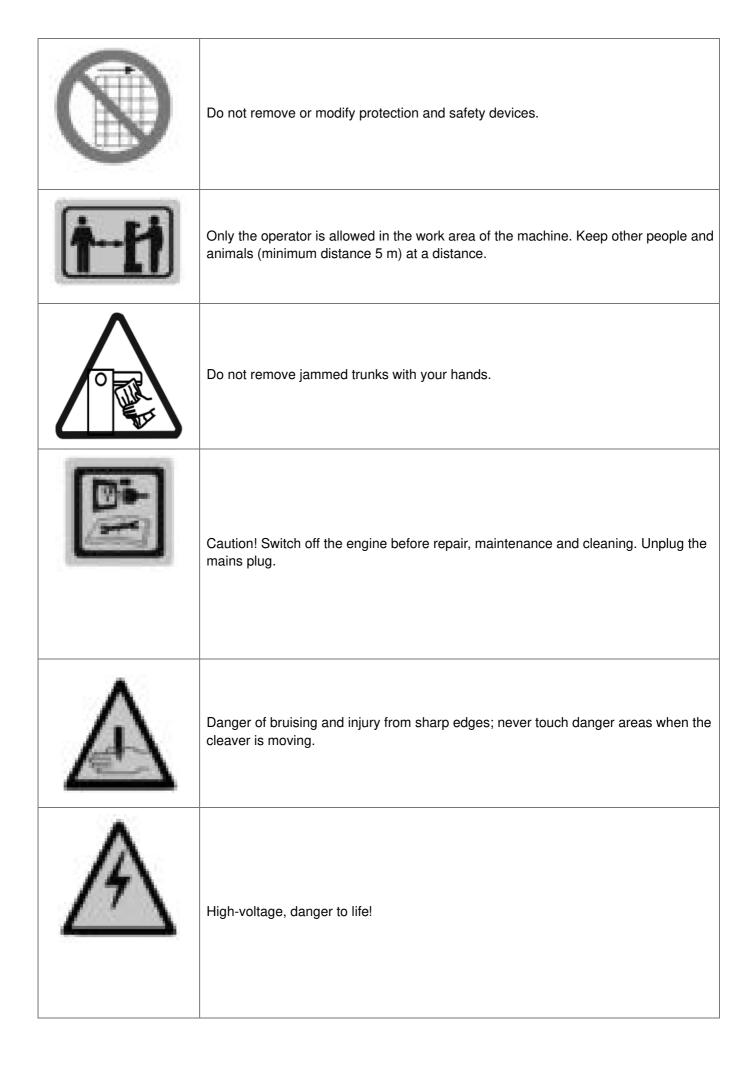
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Explanation of the symbols on the equipment

The use of symbols in this manual is intended to draw your attention to possible risks. The safety symbols and the explanations that accompany them must be perfectly understood. The warnings in themselves do not remove the risks and cannot replace correct actions for preventing accidents.







Li Xi	The machine must only be operated by one person!
	Loosen the vent bolt two revolutions, before starting work. Close before transport.
	Caution! Moving machine parts!
YA XX	Do not transport the device in the horizontal position!
⚠ Attention!	In this operating manual, we have used this sign to mark all sections that concern yo ur safety.

Introduction

Manufacturer:

scheppach

Fabrikation von Holzbearbeitungsmaschine GmbH Günzburger Straße 69 D-89335 Ichenhausen

Dear customer,

We hope your new tool brings you much enjoyment and success.

Note:

According to the applicable product liability laws, the manufacturer of the device does not assume liability for damages to the product or damages caused by the product that occurs due to:

- · Improper handling,
- Non-compliance of the operating instructions,

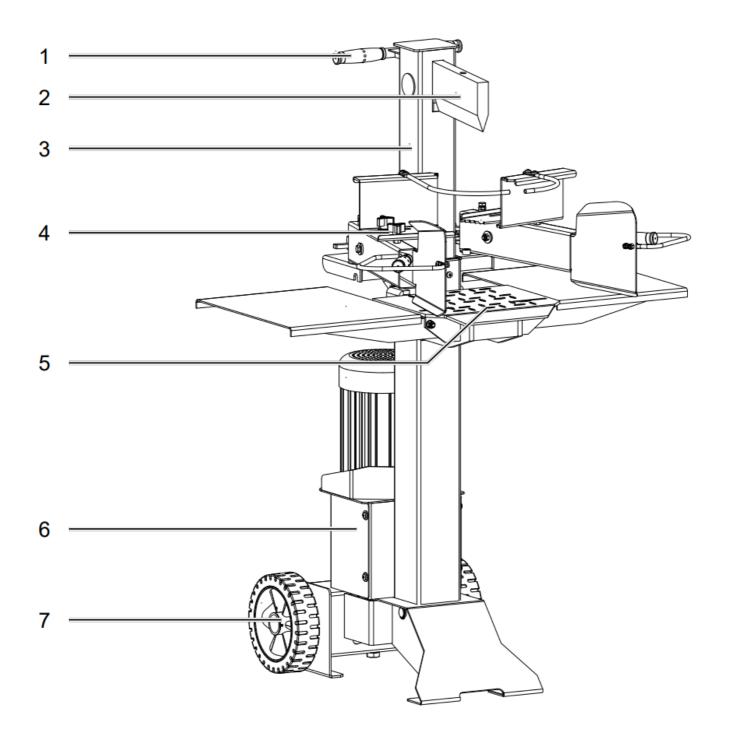
- · Repairs by third parties, not by authorized servicetechnicians,
- Installation and replacement of non-original spareparts,
- · Application other than specified,
- A breakdown of the electrical system that occurs due to the non-compliance of the electric regulations and VDE regulations 0100, DIN 57113 / VDE0113.

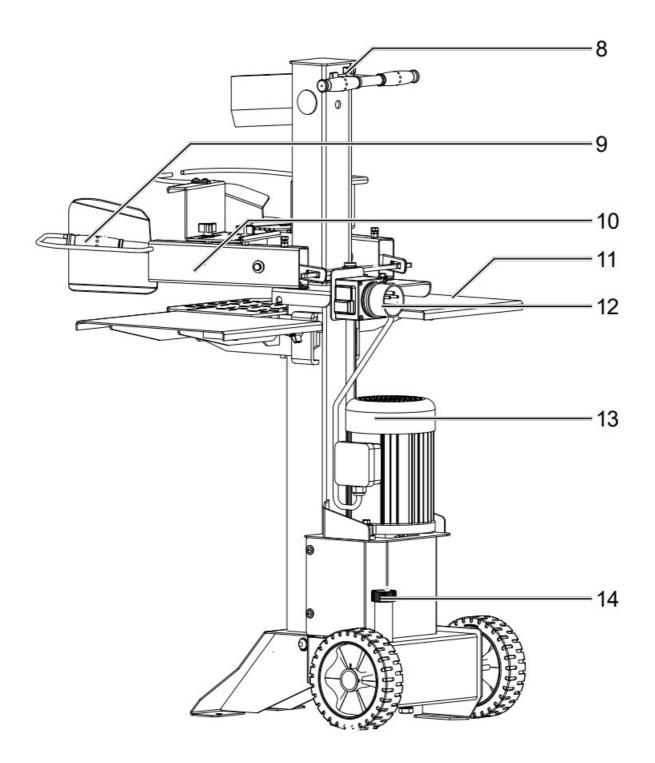
We recommend:

Read through the complete text in the operating instructions before installing and commissioning the device. The operating instructions are intended to help the user to become familiar with the machine and take advantage of its application possibilities in accordance with the recommendations. The operating instructions contain important information on how to operate the machine safely, professionally and economically, how to avoid danger, costly repairs, reduce downtimes and how to increase reliability and service life of the machine. In addition to the safety regulations in the operating instructions, you have to meet the applicable regulations that apply for the operation of the machine in your country. Keep the operating instructions package with the machine at all times and store it in a plastic cover to protect it from dirt and moisture. Read the instruction manual each time before operating the machine and carefully follow its information. The machine can only be operated by persons who were instructed concerning the operation of the machine and who are informed about the associated dangers. The minimum age requirement must be complied with.

In addition to the safety instructions contained in this operating manual and the specific regulations of your country, the technical rules generally accepted for the operation of machines of the same type must be observed. We accept no liability for accidents or damage that occur due to a failure to observe this manual and the safety instructions.

Device description





- 1. Transport handles
- 2. Riving knife
- 3. Riving bar
- 4. Adjustable claws
- 5. Table
- 6. Cover
- 7. Wheels
- 8. Stroke setting bar
- 9. Control handle
- 10. Complete control arms
- 11. Tray table (lateral)
- 12. Combination switch/plug
- 13. Motor

Scope of delivery

- A. Splitter
- B. Control arms
- C. Adjustable claws
- D. Additional retainers
- E. Wheels
- F. Enclosed accessories bag (A, B, C)
- G. Operating manual
- H. Table including tray tables

Intended use

The equipment is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user / operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this.

To use the equipment properly you must also observe the safety information, the assembly instructions and the operating instructions to be found in this manual.

All persons who use and service the equipment have to be acquainted with this manual and must be informed about the equipment's potential hazards. It is also imperative to observe the accident prevention regulations in force in your area. The same applies for the general rules of health and safety at work.

The manufacturer will not be liable for any changes made to the equipment nor for any damage resulting from such changes.

- The hydraulic log splitter can only be used in a vertical position. Logs may only be split along the direction of the fiber. Log dimensions are: Log lengths 55 cm Ø min. 10 cm, max. 30 cm
- Never split logs in horizontal position or against the direction of the fiber.
- Observe the safety, working, and maintenance instructions of the manufacturer, as well as the dimensions given in the chapter Technical data.
- The applicable accident prevention regulations as well as all generally recognized safety rules must be adhered
 to.
- Only persons who have been trained in the use of the machine and have been informed of the various dangers
 may work with the machine and service or repair it. Arbitrary modifications of the machine release the
 manufacturer from any responsibility for resulting damage.
- The machine may only be used with original accessories and original tools of the manufacturer.
- Any other use exceeds authorization. The manufacturer is not responsible for any damages resulting from unauthorized use; risk is the sole responsibility of the operator.

The machine may be operated only with original parts and original accessories of the manufacturer. The safety, work and maintenance instructions of the manufacturer as well as the dimensions indicated in the Technical Data section must be adhered to.

Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the equipment is used in commercial, trade or industrial businesses or for equivalent purposes.

Safety notes

WARNING: When you use electric machines, always observe the following safety instructions in order to reduce the risk of fire, electric shock, and injuries.

Please read all the instructions before you work with this machine.

- Observe all safety notes and warnings attached to the machine.
- See to it that safety instructions and warnings at- tached to the machine are always complete and perfectly legible.
 - Protection and safety devices on the machine may not be removed or made useless.
- Check electrical connection leads. Do not use any faulty connection leads. Before putting into operation check the correct function of the two-hand control.
- Operating personnel must be at least 18 years of age. Trainees must be at least 16 years of age, but may only operate the machine under adult supervision.
- · Wear working gloves when working.
- Caution when working: There is a danger to fingersand hands from the splitting tool.
- Use adequate supports when splitting heavy or bulky logs.
- Before starting any conversion, setting, cleaning, maintenance or repair work, always switch off the machine and disconnect the plug from the power supply.
- Connections, repairs, or servicing work on the electrical equipment may only be carried out by an electrician.
- All protection and safety devices must be replaced after completing repair and maintenance procedures.
- When leaving the work place, switch off the machine and disconnect the plug from the power supply.

Additional safety instructions

- The log splitter may only be operated by one person.
- Wear protective gear like safety goggles or other eye protection, gloves, safety shoes etc. to protect yourself from possible injuries.
- Never split logs containing nails, wire, or other foreign objects.
- Already split wood and wood chips can be dangerous. You can stumble, slip or fall down. Keep the working area tidy.
- While the machine is switched on, never put your hands on moving parts of the machine.
- Only split logs with a maximum length of 55 cm.

Warning! This electric tool generates an electromagnetic field during operation. This field can impair active or passive medical implants under certain conditions. In order to prevent the risk of serious or deadly injuries, we recommend that persons with medical implants consult with their physician and the manufacturer of the medical implant prior to operating the electric tool.

The machine has been built using modern technology in accordance with recognized safety rules. Some remaining hazards, however, may still exist.

- The splitting tool can cause injuries to fingers and hands if the wood is incorrectly guided or supported.
- Thrown pieces can lead to injury if the work piece is not correctly placed or held.
- Injury through electric current if incorrect electric connection leads are used.
- Even when all safety measures are taken, some remaining hazards which are not yet evident may still be present.
- Remaining hazards can be minimized by following the safety instructions as well as the instructions in the chapter Authorized use and in the entire operating manual.

- Health hazard due to electrical power, with the use of improper electrical connection cables.
- Release the handle button and switch off the machine prior to any operations.
- Avoid accidental starts of the machine: Do not press the start button while inserting the plug into the socket.
- Use the tools recommended in this manual to obtain the best results from your machine.
- Always keep hands away from the work area when the machine is running.

Technical data

		T	
Motor V/Hz	230V / 50Hz	400V / 50Hz	
Input P1 W	3000	2100	
Output P2 W	2200	1500	
Operating mode	S6 40%	S6 40%	
Motor speed 1/min	2800	2800	
Phase inverter	-	yes	
Dimensions D/W/H	850 x 915 x 1495	850 x 915 x 1495	
Table height	800 mm		
Working height	920 mm		
Log length	550 mm		
Power max. tons*	7		
Piston stroke	495 mm		
Forward speed	4,5 cm/s		
Return speed	16,5 cm/s		
Oil quantity	3,5		
Weight	98,5 kg 95,5 kg		

Subject to technical changes!

Unpacking

Open the packaging and remove the device carefully. Remove the packaging material as well as the packaging and transport bracing (if available). Check that the delivery is complete.

Check the device and accessory parts for transport damage.

In case of complaints the dealer must be informed immediately. Subsequent complaints will not be accepted. If possible, store the packaging until the warranty period has expired. Read the operating manual to make yourself familiar with the device prior to using it. Only use original parts for accessories as well as for wearing and spare

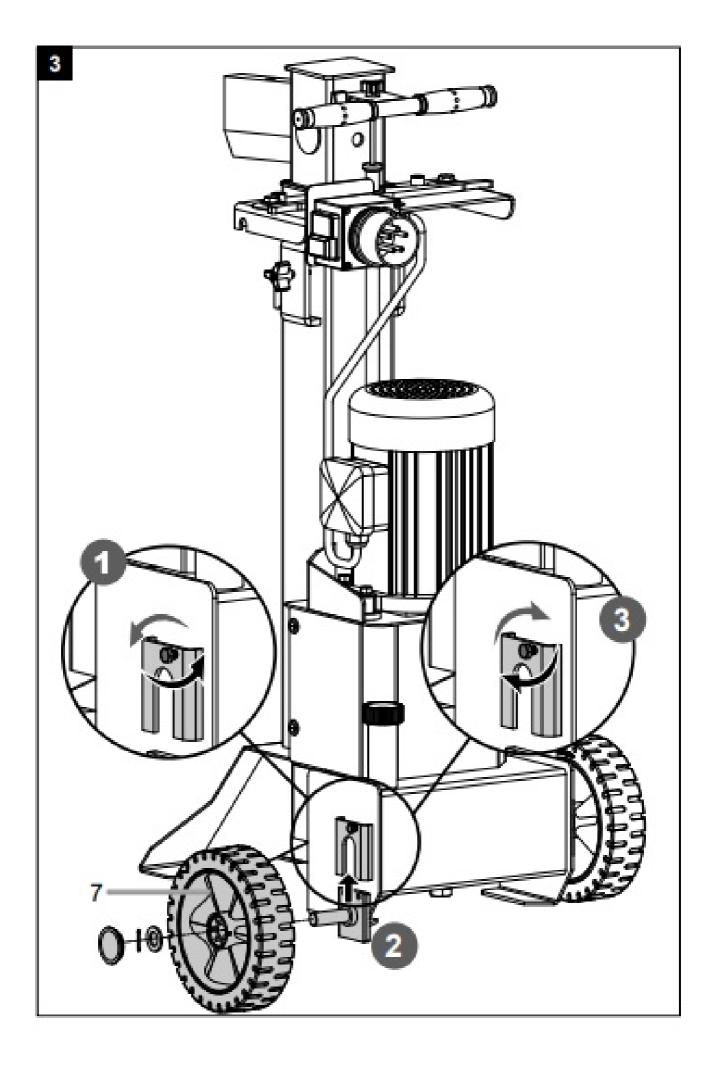
parts. Spare parts are available from your specialized dealer. Specify our part numbers as well as the type and year of construction of the device in your orders.

ATTENTION

The device and packaging materials are not toys! Children must not be allowed to play with plastic bags, film and small parts! There is a risk of swallowing and suffocation!

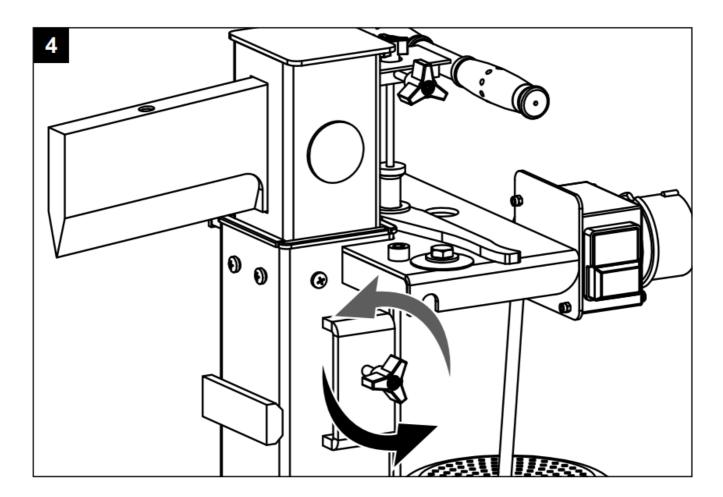
Attachment / Before starting the equipment

Fitting the wheels (7) (enclosed accessories bag A)

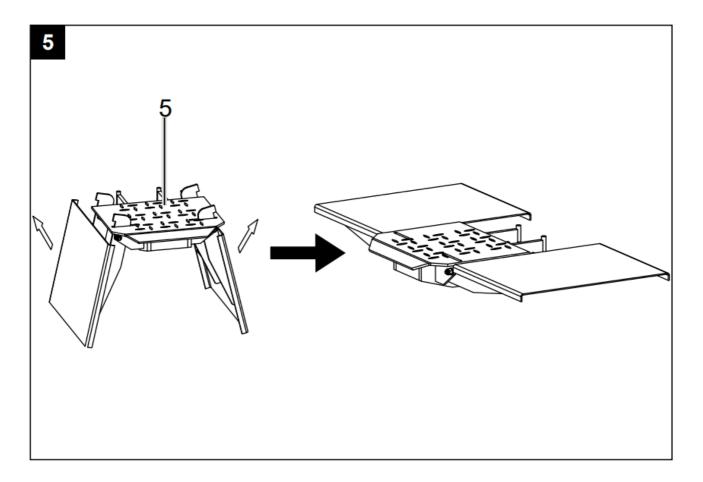


- Undo the hexagon screw on the bracket (fig. 3 (1)) until the wheel axle fits into the bracket.
- Now guide the wheel axle into the bracket (fig. 3 (2))
- Fully tighten previously loosened screw.
- Now fit the wheels and washer
- Secure the wheels on the axle with a split pin
- Finally fit the small wheel cap
- Repeat this process on the other side.

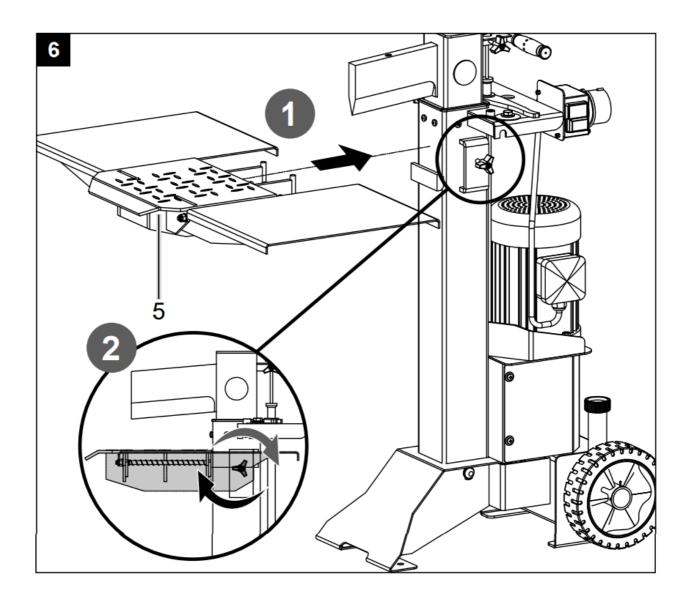
Fitting the table (5)



- Undo the star-grip screw (fig. 4)
- Now fold out both side trays (11), as shown in fig. 5

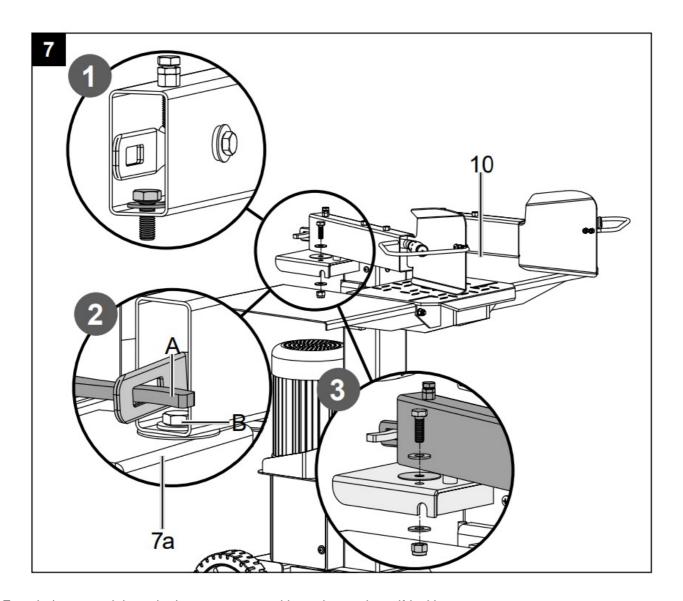


• Now fit the table in the retainer intended and re-tighten the star grip screws previously loosened (fig. 6 (2)).



Fitting the complete control arms (10) (enclosed accessories bag B)

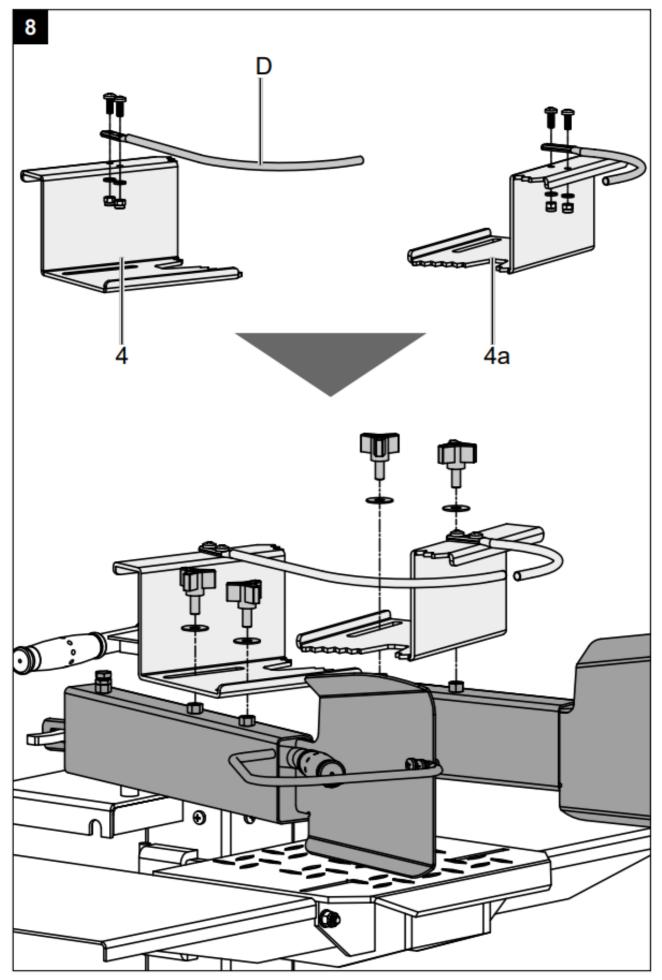
- The control handles on the arms point outwards!
- Insert the hexagon screw and washer through the hole in the control arm (fig. 7 (1))
- Guide control arm (A) into the rocker switch (B)fig. 7 (2))
- Place the washer (7a) between the control arm and tray (fig. 7 (2))



- From below, now tighten the hexagon screw with washer and a self-locking nut
- Attention: Tighten the self-locking nut only sufficiently that the complete control arm can be moved to the left and right.
- Now fasten the other control arm on the other side in accordance with the method described

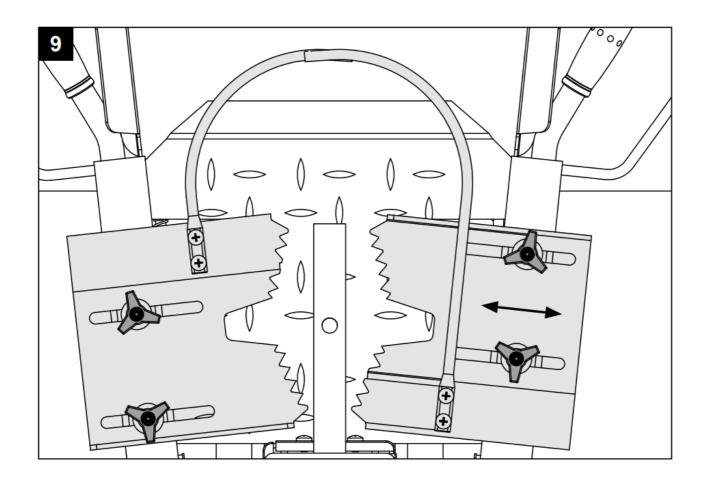
Fitting the claws (enclosed accessories bag C)

- Fasten the additional retainers (D) to the claws with two Phillips head screws, washers and nuts (fig. 8)
- Make sure that the larger additional retainer is fastened with the left claw (4).
- Place the adjustable claws on the hexagon nuts previously attached, and fasten these with the star grip screws and washers enclosed (fig. 8)



• Note that the prongs on the claws must point towards each other after installation (fig. 9)

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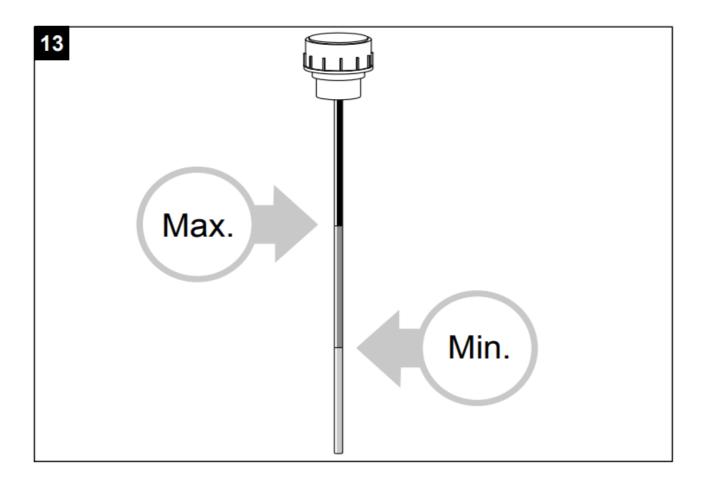
 Δ IMPORTANT! You must fully assemble the appliance before using it for the first time!

Initial operation

Make sure the machine is completely and expertly assembled. Check before every use:

- The connection cables for any defective spots (cracks, cuts etc.).
- The machine for any possible damage.
- $\bullet\,$ The firm seat of all bolts. \cdot The hydraulic system for leakage.
- The oil level.

Checking the oil level (fig. 13)



The hydraulic unit is a closed system with oil tank, oil pump and control valve. Check the oil level regularly before every use. Too low an oil level can damage the oil pump. The correct oil level is approx. 10 to 20 mm below the oil tank surface.

Note: The level of oil must be checked when the riving knife is pulled back. If the oil level is at the lower notch, then the oil level is at a minimum. Should this be the case, oil must be immediately added. The upper notch indicates the maximum oil level. The machine must be on level ground. Screw in the oil dipstick fully, to measure the oil level.

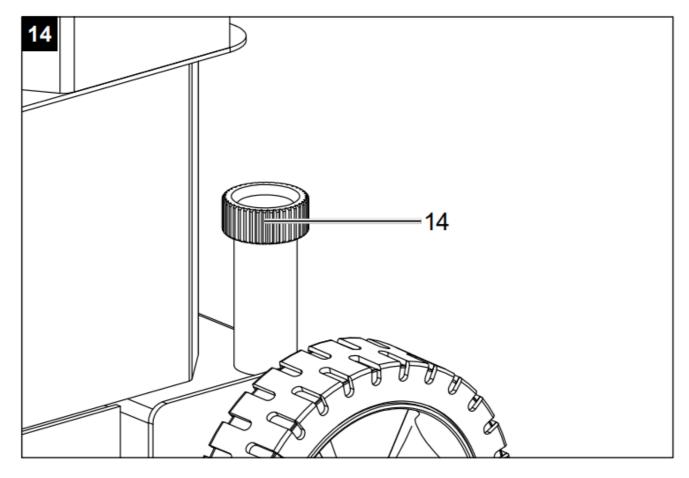
Functional test

Test the function before every use.

Action:	Result:	
Push both handles towards below	Splitting knife goes down to approx. 10 cm above the ta ble.	
Let one handle loose, then the other.	Splitting knife stops in the desired position.	
Let both handles loose	Splitting knife returns to upper position.	

Check the oil level before every use – see chapter "Maintenance".

Venting (fig. 14)



Before working with the log splitter, vent the hydraulic system.

- Release the venting cap 14 by a few revolutions so the air can escape from the oil tank.
- · Leave the cap open during the operation.
- Before you move the log splitter, close the cap again in order not to lose any oil.

If the hydraulic system is not vented, the enclosed air will damage the gaskets and with it the complete log splitter.

Stroke limit for short logs (fig. 14)

Lower splitting knife position about 10 cm above table.

- Move splitting knife to the desired position
- Release one operating arm
- · Switch motor off
- Release the second operating arm
- Undo the star grip screw (10a) · Push the stroke set rod (8) to the top until it is stopped by the spring
- Tighten the star grip screw (10a) again.
- · Switch motor on
- · Check upper position

Switching on and off (12)

Press the green button for switching on. Press the red button for switching off.

Note: Check the function of the ON/OFF unit before every use by switching on and off once.

Restarting safety in case of current interruption (no-volt release).

In case of current failure, inadvertent pulling of the plug, or a defective fuse, the machine is switched off automatically. For switching on again, press anew the green button of the switch unit.

Splitting

- Place the log on the table, hold it with both handles, press the handles down. As soon as the splitting knife enters the wood, push the handles down and to the outside at the same time. This prevents the wood from putting pressure on the holder plates.
- · Only split straight cut logs.
- Split the logs in vertical position.
- Never split in horizontal position or across.
- · Wear protective gloves when splitting.

End of work

- Move the splitting knife to the lower position.
- · Release one operating arm.
- · Switch the machine off and pull the power plug.
- · Close the venting cap.
- Observe the general maintenance instructions.

Electrical connection

The electrical motor installed is connected and ready for operation. The connection complies with the applicable VDE and DIN provisions.

The customer's mains connection as well as the extension cable used must also comply with these regulations.

Damaged electrical connection cable

The insulation on electrical connection cables is often damaged.

This may have the following causes:

- Passage points, where connection cables are passed through windows or doors.
- Kinks where the connection cable has been im-properly fastened or routed.
- Places where the connection cables have been cut due to being driven over.
- Insulation damage due to being ripped out of the wall outlet.
- · Cracks due to the insulation ageing.

Such damaged electrical connection cables must not be used and are life-threatening due to the insulation damage.

Check the electrical connection cables for damage regularly. Make sure that the connection cable does not hang on the power network during the inspection.

Electrical connection cables must comply with the applicable VDE and DIN provisions. Only use connection cables with the marking "H07RN".

The printing of the type designation on the connection cable is mandatory.

AC motor 230 V/50 Hz

Mains voltage 230 Volt / 50 Hz.

Mains voltage and extension cables must be 3-lead

= P + N + SL. - (1/N/PE).

Extension cables must have a minimum cross-section of 1.5 mm².

Mains fuse protection is 16 A maximum.

Three-phase motor 400 V / 50 Hz Mains voltage 400 V / 50 Hz

Mains voltage and extension cables must be 5-lead (3P + N + SL (3/N/PE)).

Extension cables must have a minimum cross-section of 1.5 mm².

Mains fuse protection is 16 A maximum.

When connecting to the mains or relocating the machine, check the direction of rotation (swap polarity in the wall socket if necessary).

Turn pole inverter in the machine socket.

Cleaning

Attention!

Pull out the power plug before carrying out any cleaning work on the equipment. We recommend that you clean the equipment immediately after you use it.

Clean the equipment regularly with a damp cloth and some soft soap. Do not use cleaning agents or solvents; these may be aggressive to the plastic parts in the equipment. Ensure that no water can get into the interior of the equipment.

Transport

For transport, the splitting knife A must be completely moved down. Slightly tilt the log splitter with handle B on the splitting column until the machine is inclined on the wheels and can be moved (fig 1

Storage

Store the device and its accessories in a dark, dry and frost-proof place that is inaccessible to children. The optimum storage temperature is between 5 and 30°C.

Cover the electrical tool in order to protect it from dust and moisture.

Store the operating manual with the electrical to

Maintenance

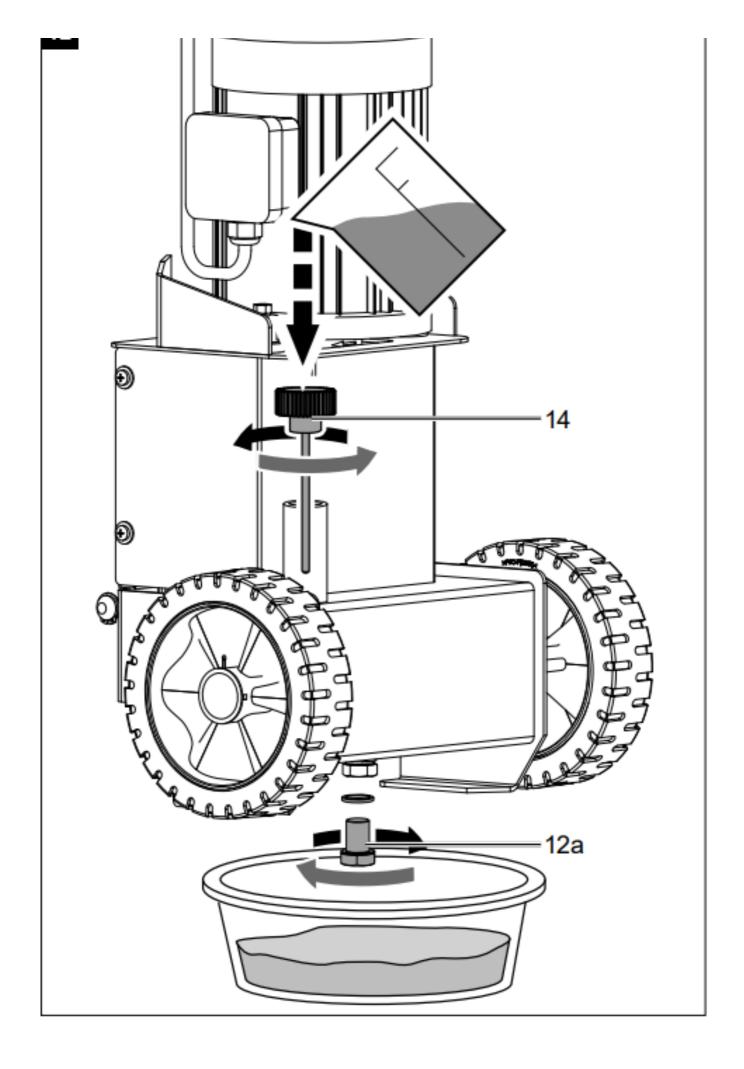
Attention!

Pull out the power plug before carrying out any maintenance work on the equipment.

When must the oil be changed?

First oil change after 50 operating hours, then every 500 operating hours.

Oil change (fig. 12)



- Put a container with a volume of at least 6 litres under the splitter.
- Release the oil dipstick 14.
- Open the oil drain plug 12a under the oil tank so the oil can flow out.
- Afterwards, close the oil drain plug 12a again.
- Remove the ventilation cap, pour in 3,5 litres of fresh hydraulic oil using a clean funnel.
- Screw the oil dipstick in again.

Dispose of the used oil in a correct manner at a public collection facility. It is prohibited to drop old oil on the ground or to mix it with waste.

We recommend oil from the HLP 32 range.

Splitting spar

Before use, the spar of the splitter must be slightly greased. Repeat this procedure every five operating hours. Slightly apply grease of oil spray. The spar may never run dry.

Hydraulic system

The hydraulic unit is a closed system with oil tank, oil pump and control valve.

The system is complete when the machine is delivered, and may not be changed or manipulated.

Connections and repairs

Connections and repairs of electrical equipment may only be carried out by an electrician.

ATTENTION! Observe the correct direction of rotation when inserting the saw blade.

Please provide the following information in the event of any enquiries:

- Type of current for the motor
- Machine data type plate
- Machine data type plate

Service information

Please note that the following parts of this product are subject to normal or natural wear and that the following parts are therefore also required for use as consumables.

Wear parts*: splitting wedge guides, hydraulic oil, splitting wedge

* Not necessarily included in the scope of delivery!

Disposal and recycling

The equipment is supplied in packaging to prevent it from being damaged in transit. The raw materials in this packaging can be reused or recycled. The equipment and its accessories are made of various types of material, such as metal and plastic.

Defective components must be disposed of as special waste. Ask your dealer or your local council.

Old devices must not be disposed of with household waste!



This symbol indicates that this product must not be disposed of together with domestic waste in compliance with the Directive (2012/19/EU) pertaining to waste electrical and electronic equipment (WEEE). This product must be disposed of at a designated collection point. This can occur, for example, by handing it in at an authorised collecting point for the recycling of waste electrical and electronic equipment. Improper handling of waste equipment may have negative consequences for the

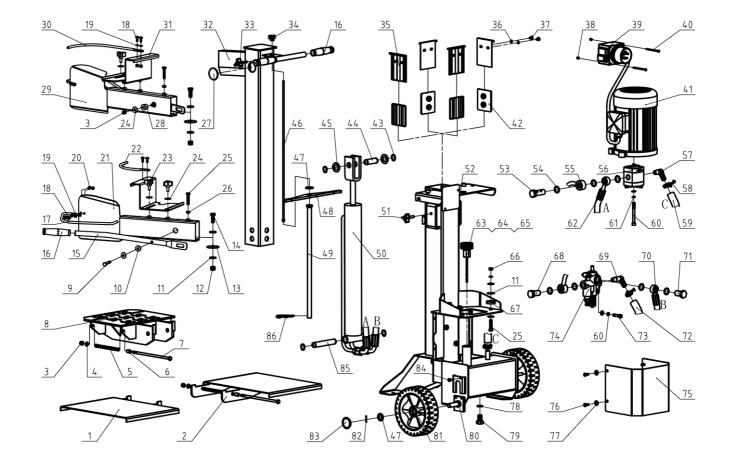
environment and human health due to potentially hazardous substances that are often contained in electrical and electronic equipment. By properly disposing of this product, you are also contributing to the effective use of natural resources. You can obtain information on collection points for waste equipment from your municipal administration, public waste disposal authority, an authorised body for the disposal of waste electrical and electronic equipment or your waste disposal company.

Troubleshooting

The table below contains a list of error symptoms and explains what you can do to solve the problem if your tool fails to work properly. If the problem persists after working through the list, please contact your nearest service workshop.

Malfunction	Possible cause	Remedy
	No electric power	Check cable for electric power
The hydraulic pump does n ot start	Thermal switch of motor cut off	Engage thermal switch inside the motor casi ng again
The column does not move down	Low oil level	Check oil level and refill
	One of the levers not connected	Check fixing of lever
	Dirt in the rails	Clean the column
Motor starts but column do es not move down	Wrong turning direction of 3- phase motor	Check turning direction of motor and change

Exploded View



Warranty

Apparent defects must be notified within 8 days from the receipt of the goods. Otherwise, the buyer's rights of claim due to such defects are invalidated. We guarantee for our machines in case of proper treatment for the time of the statutory warranty period from delivery in such a way that we replace any machine part free of charge which provably becomes unusable due to faulty material or defects of fabrication within such period of time. With respect to parts not manufactured by us we only warrant insofar as we are entitled to warranty claims against the upstream suppliers. The costs for the installation of the new parts shall be borne by the buyer. The cancellation of sale or the reduction of purchase price as well as any other claims for damages shall be excluded

www.scheppach.com / service@scheppach.com / +(49)-08223-4002-99 / +(49)-08223-4002-58



Documents / Resources



SCHEPPACH HL730 Log splitter [pdf] Instruction Manual HL730, Log splitter

References

• 5 scheppach | scheppach

Manuals+,