

Hakki Pilke HH100

HYDRAULIC SPLITTING MACHINE

- ASSEMBLY INSTRUCTIONS
 - OPERATOR MANUAL
 - SAFETY REGULATIONS
 - SERVICE INSTRUCTIONS
 - SPARE PARTS LIST
 - GUARANTEE TERMS
- EC DECLARATION OF CONFORMITY

**Always study these instructions
before operating the machine !**

MAASELÄN KONE OY

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WARRANTY CONDITIONS ON MAASELÄN KONE OY PRODUCTS: . Virhe. Kirjanmerkkiä ei ole määritetty.	

General safety precautions

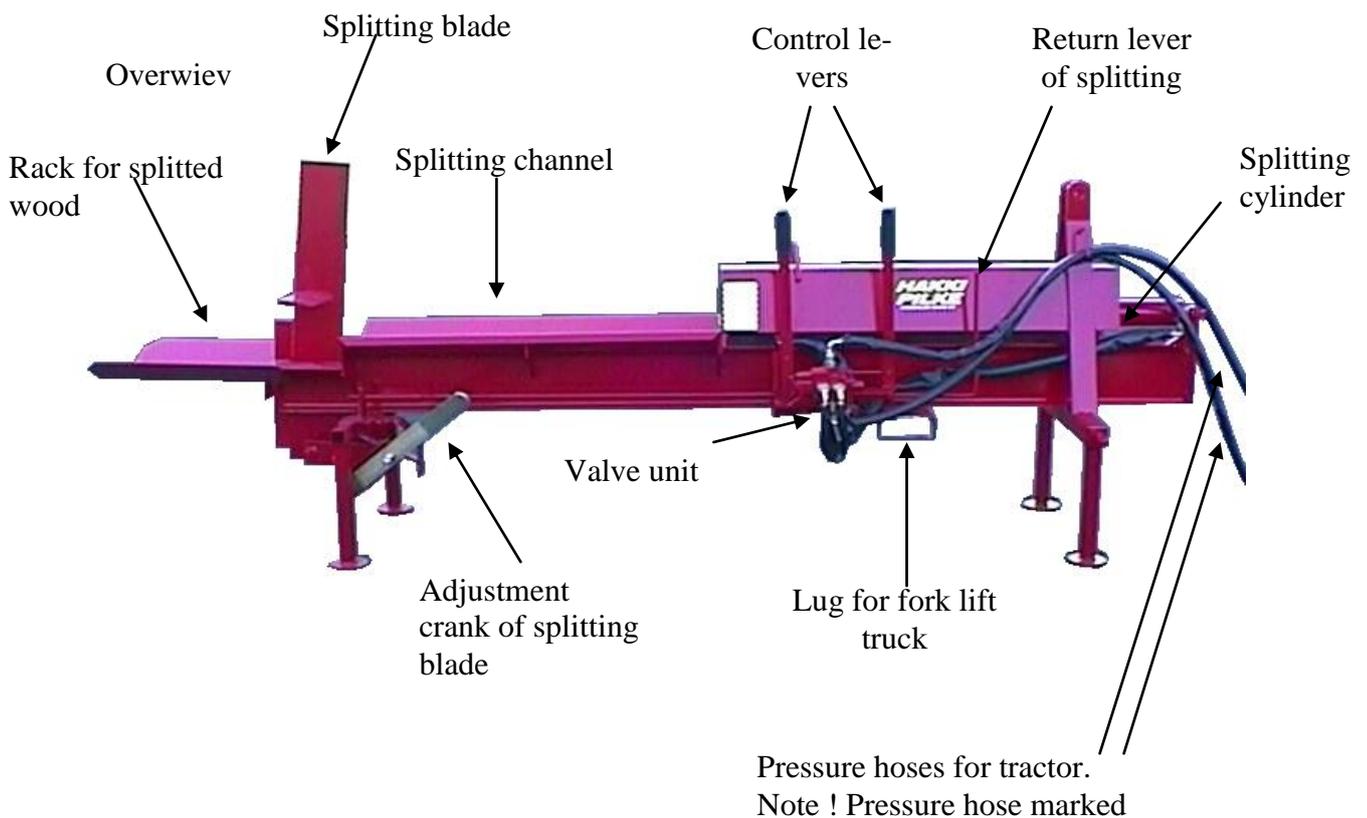
Always study these instructions before operating the machine. In addition the operator must know perfectly how the machine works.

When operating the machine, always work very cautiously. Mind the blades and the moving parts of the machine. If some disturbance occurs in the function of the machine, stop the machine. The same must be done for cleaning and maintenance.

CHILDREN ARE FORBIDDEN TO OPERATE THE MACHINE !

The machine must be operated by only one person. The DANGER RANGE around the machine is 5 m. Persons not involved in the operation of the machine are not admitted in the danger range. If some persons, besides the operator, are occupied with lifting and transfer of wood in the danger range, the operator must, before starting operation, explain the dangers of the machine operation to the persons occupied in the danger range.

Hakki Pilke Hydraulic Splitter is intended for making firewood from delimbed wood, approximately 30...100 cm woods, into 2 or 4 pieces. It is forbidden to handle otherwise processed wood, for instance waste material from construction, in the machine, and the manufacturer takes no responsibility for injuries and damages caused to the operator or the machine due to this kind of operation.



Connection to the tractor

Before attaching the machine to the three-point connection of the tractor, check its attachment lugs and pins and ensure that they are not worn or bent and they have not been torn. Damaged parts must absolutely be repaired or replaced with new ones. When the machine has been connected to the tractor with the pins, lock the pins with proper ring cotters. Likewise, all the hydraulic hoses and their couplings must be checked, and damaged parts must be replaced with new ones. The couplings must be cleaned before connecting to the tractor. When connecting the couplings to the tractor make sure the junction succeeded and it is tight.

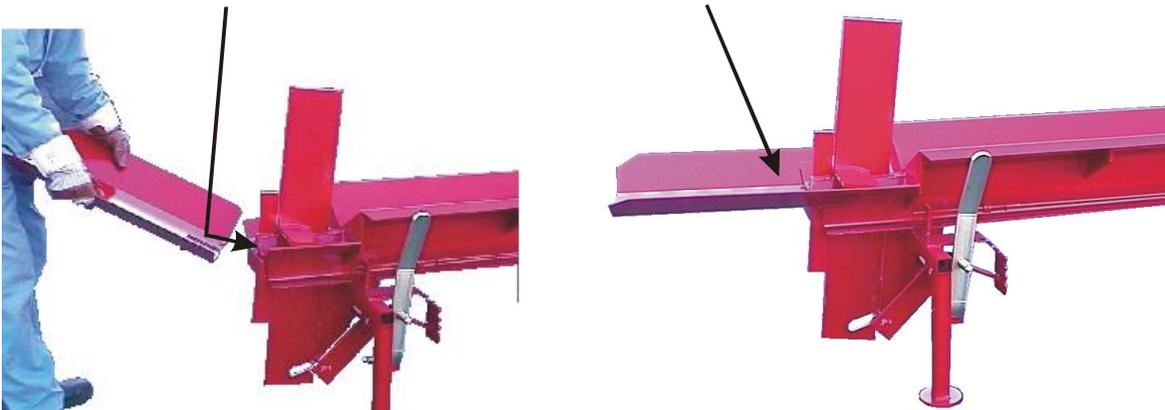
Required hydraulics and installation of hydraulic hoses

The machine is operated by single-acting hydraulics. Connect the hoses from the machine to the tractor's hydraulic system as follows:

- the marked hose to the outlet (pressure) connection.
- the non-marked hose to the return nipple to enable the flow of oil back to the tractor.

Putting the machine into service

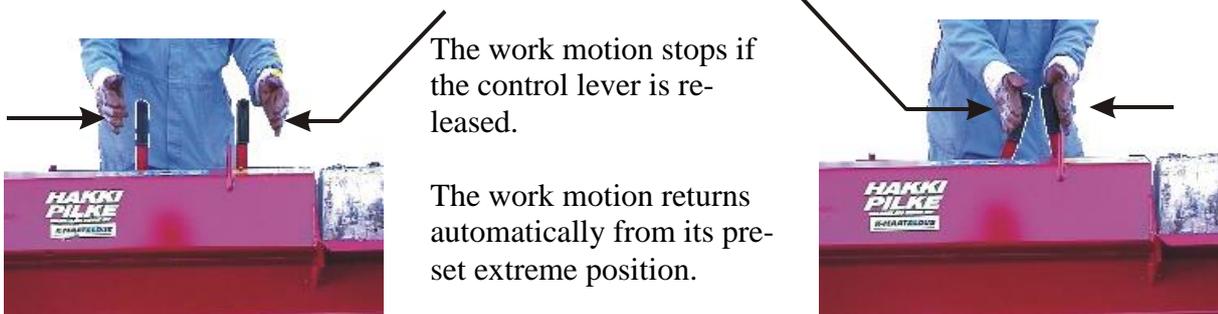
Put in place the stand for split firewood which is delivered with the machine.



Test run of the machine before actual operating

Once you have connected the machine and its hydraulic hoses to the tractor in the manner described by this manual, then you can test-run the machine.

1. Start the oil circulating from the tractor to the machine and adjust the desired engine speed. The speed of the splitting motion depends on the tractor engine revolutions.
2. Press the control levers for splitting together to start the splitting motion.



Note! If the machine has been stored at a temperature below -10 degrees Centigrade, then the splitting motion, because of the oil viscosity, is slow to start with.

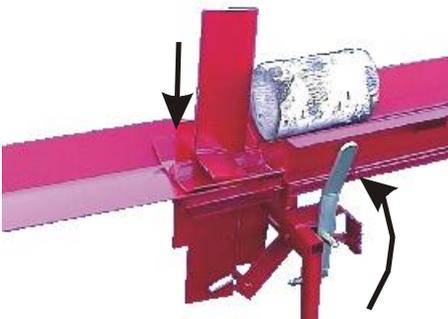
During the splitting motion, the control levers for splitting must be pressed together until the splitting beam reaches the splitting blade. The return motion is automatically activated as soon as the splitting beam reaches the splitting blade. The splitting motion will stop if the grip of the lever is released.

Return of the splitting movement

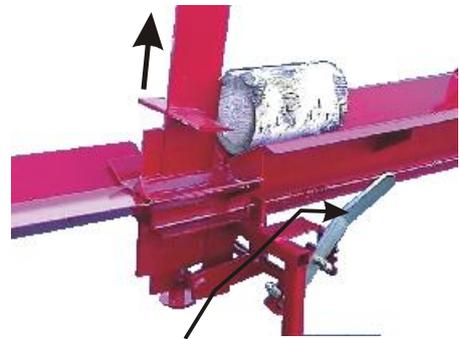
The splitting motion may be reversed from the middle of its course by shifting the reverse lever towards the splitting blade.



Adjustment of the splitting blade



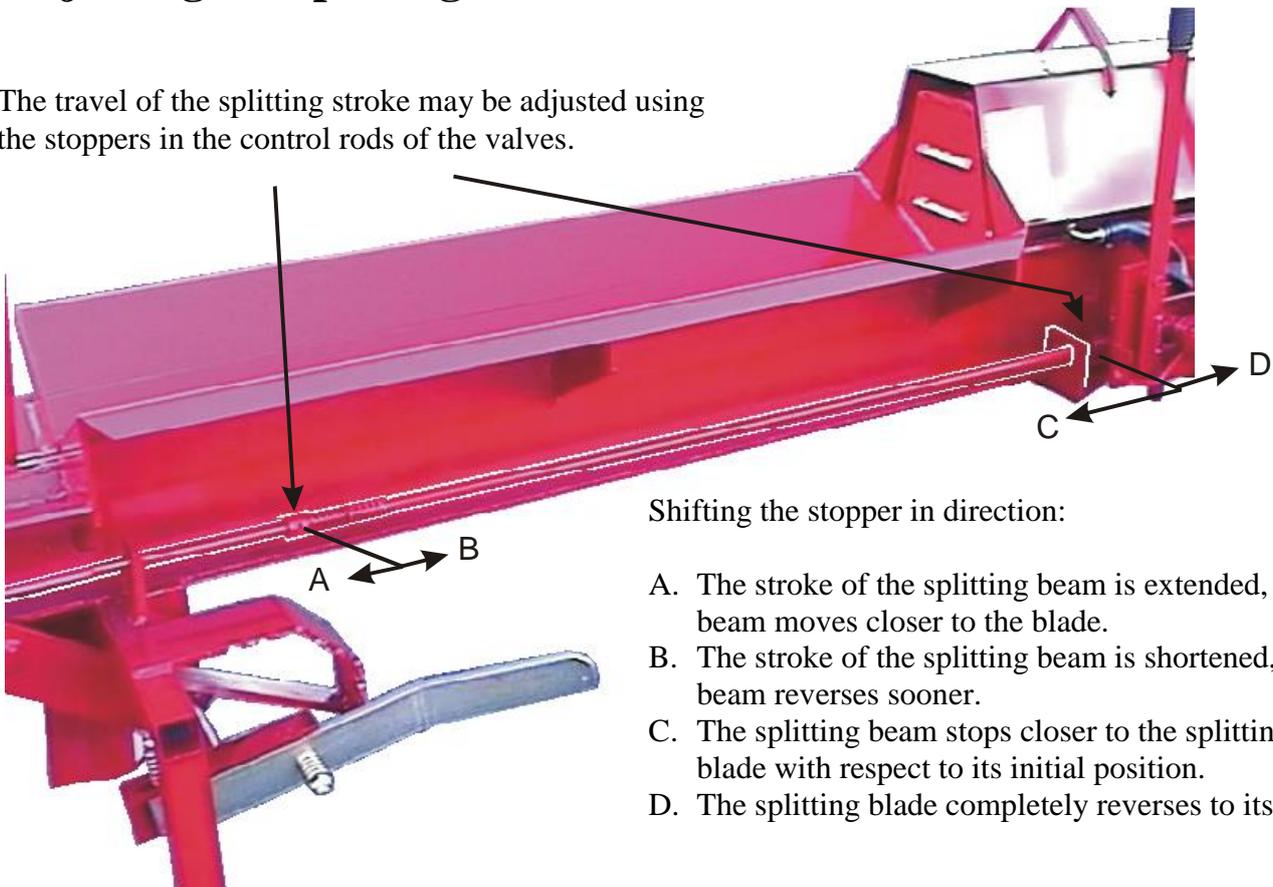
As the adjustment crank of the splitting blade is shifted upward, the splitting blade descends and the log is split in two ways.



As the adjustment crank is shifted downward, the horizontal blade rises and the log is split in four ways. Adjust the splitting blade to the correct height position according to the log size.

Adjusting the splitting stroke

The travel of the splitting stroke may be adjusted using the stoppers in the control rods of the valves.



Shifting the stopper in direction:

- A. The stroke of the splitting beam is extended, the beam moves closer to the blade.
- B. The stroke of the splitting beam is shortened, the beam reverses sooner.
- C. The splitting beam stops closer to the splitting blade with respect to its initial position.
- D. The splitting blade completely reverses to its initial

NOTE! Splitting of short logs: shift the stopper by the valve unit in direction C.

How to make firewood, general instructions

Do not start making firewood until;

- you are familiar with the control levers of the machine and you know how to operate them
 - you know everything about the operational safety of the machine
 - you wear clothes suited for the work, i.e.
 - safety boots with non-slip soles
 - gloves that give you a firm hold of the wood
 - suitable clothes that are not too loosely-fitting
- Avoid too loosely-fitting clothes because they may cling to the wood or the machine and as a result of this an accident !**
- you wear appropriate face and eye shields and ear protectors
 - you have arranged the work site so that it is even and safe
 - you have observed the temperature and that heat and frost cannot cause you any harm
 - you have observed that the weather is such that neither rain nor blizzard can cause harm to yourself or to the machine
 - you have taken care that strong wind cannot cause harm during the operation either to yourself or to the machine
 - you have observed that the working environment is sufficiently illuminated to avoid accidents during the connection, operation, transportation and storing of the machine

Splitting the wood

You can start making the firewood when the machine has been connected to the tractor, the machine is tested according to these instructions and no flaws are detected in its operation.

The log to be split

Make sure that the log to be split is:

- not more than 45 cm in diameter or 100 cm in length.
- straight and not crooked.
- free of branches or other snags which may endanger the situation while splitting the log.
- free of foreign objects such as glass, steel or concrete, or anything else which could damage the machine or harm the operator.

Lifting the log onto the machine

- Choose a log which you are able to lift safely by yourself into the splitting chute of the machine. **Remember to keep your back straight while lifting the log!**

NEVER HOLD THE LOG BY ITS END,

BUT ALWAYS BY ITS SIDE!



ALWAYS PLACE THE ROOT END AGAINST THE SPLITTING BLADE!

PLACE THE LOG IN THE SPLITTING CHUTE IN SUCH A POSITION THAT A BRANCH OR GNARL CAN NOT HIT STRAIGHT INTO THE BLADE!

After placing the log in the splitting chute, press the control levers for splitting together.

The splitting operation will be interrupted if you release the grip of the control lever.



Always remove any split halves before placing a new log into the splitting chute.



How to remove wood that is stuck in the splitting blade

If the force of the splitting cylinder is not sufficient to split the log, then proceed as follows:

1. Release your grip of the control levers for splitting.
2. Reverse the splitting cylinder using the reverse lever.
3. Remove the stock log stuck in the blade. Carry out the removal in such a manner that there is no risk of harming yourself or damaging the machine.



Transfer of the machine

Always make sure, when transferring the machine ;

- Due to its great structural length, the machine requires more space at the sides, in corners and in curves than normally.
- When transporting the machine with a tractor, the transportation must be carried out at a speed sufficiently low to ensure that no damage can occur to the machine or the tractor.
- During transportation, the machine must be kept at a height off the ground sufficient to ensure that its support legs cannot collide with the ground or the floor.
- If the machine is lifted onto a trailer for transportation, then the operation must be carried out in a manner which threatens no danger to the personnel present. In addition, the machine must be properly fastened to the trailer bed to prevent it from shifting or falling off.
- If the tractor is stopped during transportation, even for a short while, then the machine must be lowered to the ground.
- No extra items are allowed on top of the machine during transportation.

Storing the machine

The machine must be stored:

- in a shed, or it must be covered with weather-proof material in a place where it is impossible to bang into, even in the dark.
- with the splitting blade in its lower position.
- so that no hydraulic oil is spilled into the surroundings.

Maintenance of the machine

Keep the splitting blade of the machine sharp and the hoses and fittings of the hydraulic system in proper order so that no oil gets spilled into the environment.

Manufacturer

MAASELÄN KONE OY
Valimotie 1, 85800 HAAPAJÄRVI
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EC DECLARATION OF CONFORMITY

MAASELÄN KONE OY
Valimotie 1, 85800 HAAPAJÄRVI, FINLAND

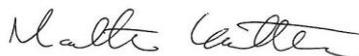
Declares that the following machinery that is placed on the market

HAKKI PILKE HYDRAULIC SPLITTER

Serial number.....

conforms to the provisions of the Machine Directive 98/37/ETY and to the national decrees (VNp 1314/94) through which they have been brought into force.

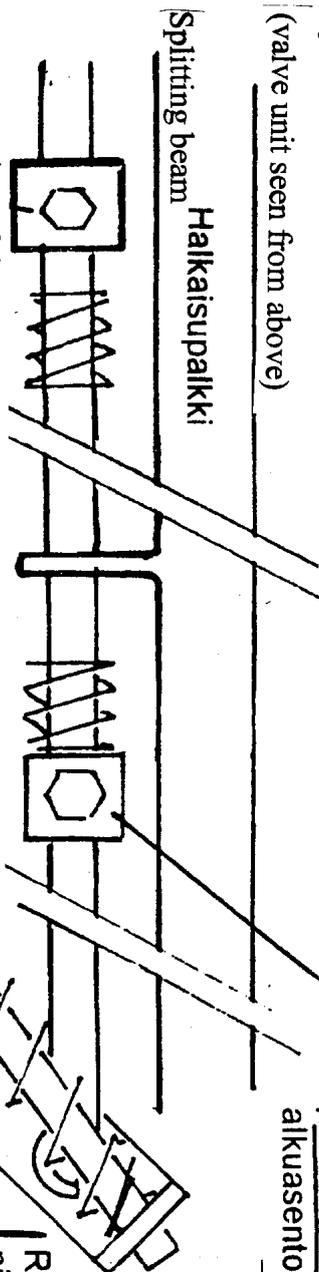
Haapajärvi 5.11.2012



Martti Kenttälä
Managing Director

Venttiilivivuston ja halkaisuliikkeen iskunpituuden säätö
(venttiilikko ylhäältä katsoen)

Adjustment of the valve levers and the splitting motion stroke
 (valve unit seen from above)



The return motion of the splitting blade is adjusted with the bushing
 Holkilla säädetään halkaisupalkin paluu,
 ← palaa → returns
 later - earlier

Holkilla säädetään halkaisupalkin lähtöasento

← Palkki jää näkyviin
 palkki menee alkuasentoon → The beam remains visible
 The beam is reversed to its initial position

The initial position is adjusted with the bushing

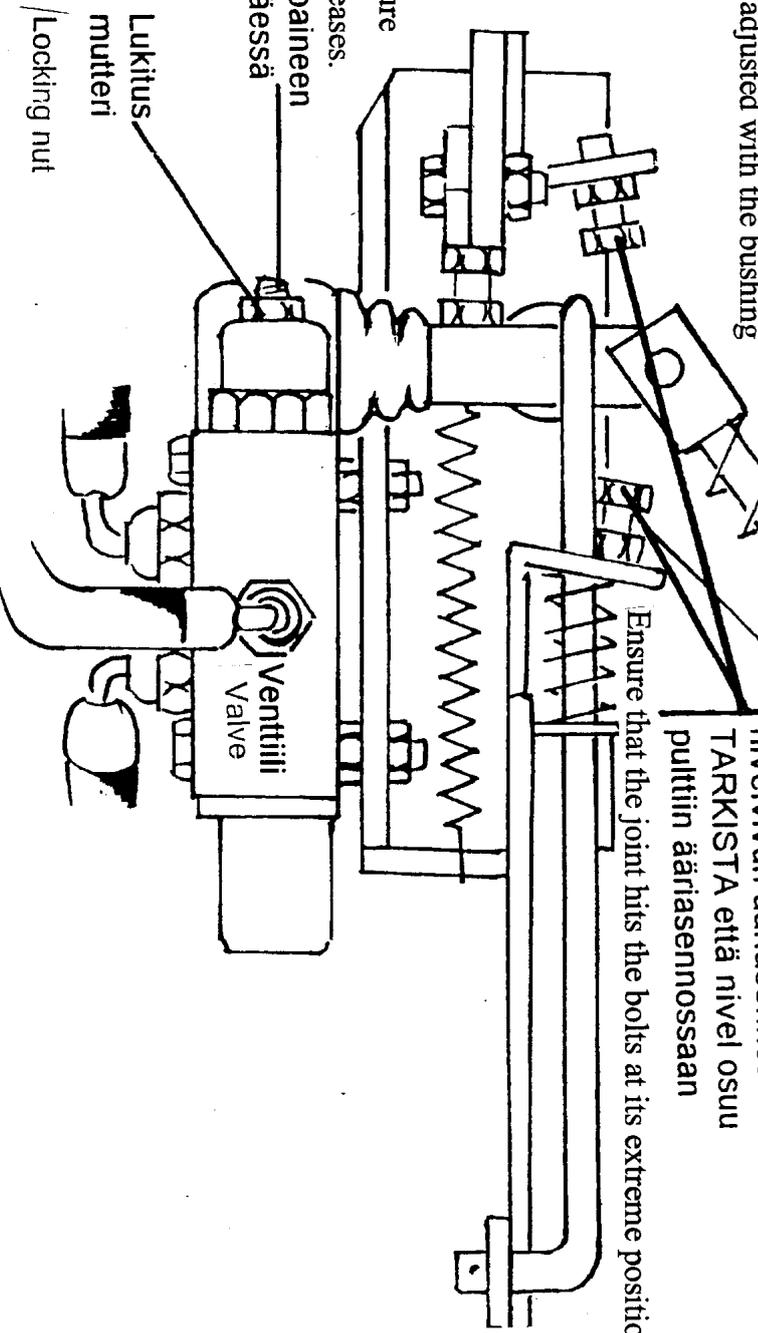
Bolts for adjustment of the extreme positions of the articulated lever.

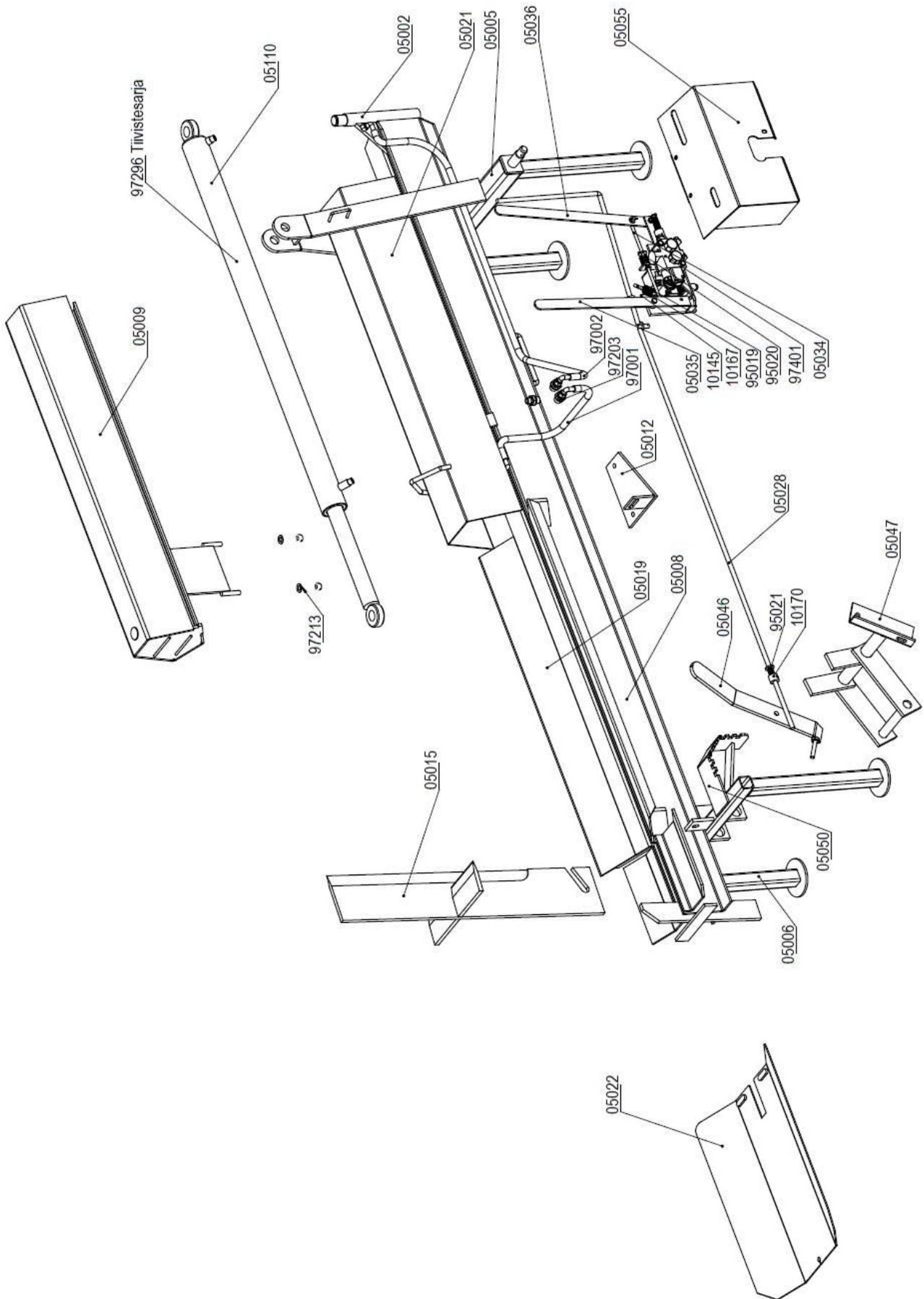
Ruuvit joilla säädetään nivelvivun ääriasennot. TARKISTA että nivel osuu pultiin ääriasennossaan

Ensure that the joint hits the bolts at its extreme position.

Adjustment of the hydraulic pressure

— as it is tightened, the pressure increases.
 Hydrauliiikan paineen säätö kiristettäessä paine kasvaa





Guarantee terms

“Guarantee terms come into force when you register your customership in the extranet service found on our website.”

The guarantee is valid for the original buyer for 12 months, starting from the date of purchase, but for no more than 1 000 operating hours.

In guarantee matters, always contact the machine’s seller before undertaking any procedures.

A guarantee demand has to be issued to the seller **immediately** upon discovery of a defect. If the defect concerns a damaged part or component, please send a photograph of the damaged part or component to the seller, if possible, so the fault can be identified. When submitting a guarantee claim, the buyer must always include the type and serial number of the machine and present a receipt that includes the date of purchase. Guarantee claims must be submitted to an authorised retailer.

The guarantee covers

- Parts damaged in normal use due to faults in material or manufacture.
- Reasonable expenses caused by repairing a fault in accordance with the agreement between the seller or buyer and manufacturer. Faulty parts will be replaced with new ones. A faulty part or parts replaced due to a material fault should be returned to the manufacturer through the retailer.
-

The guarantee does not cover

- Damages caused by normal wear and tear (for example blades, mats and belts), improper use or use contrary to the instruction manual
- Damages caused by negligence of maintenance or storage procedures detailed in the instruction manual
- Damages caused during transport
- Cutting blades, V-belts and oil, and normal adjustment, care, maintenance or cleaning procedures
- Defects in a machine to which the buyer has carried out or commissioned structural or functional changes to the degree that the machine can no longer be considered equivalent to the original machine
- Other potential costs or financial obligations resulting from the procedures mentioned above
- Indirect costs
- Travel costs resulting from guarantee repairs
- The guarantee for parts replaced during the guarantee period of the machine expires at the same time as the machine’s guarantee
- The guarantee is void if the ownership of the machine is transferred to a third party during the guarantee period
- The guarantee is void if any of the machine’s seals have been broken

If a fault or defect reported by the customer is found to not be covered by the guarantee, the manufacturer has the right to charge the customer for the pinpointing and possible repair of the fault or defect in accordance with the manufacturer's current price list.

This guarantee certificate indicates our responsibilities and obligations in full and it excludes all other responsibilities.

Y-tunnus 0550899-7

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