OPERATING MAINTENANCE AND SPARE PARTS MANUAL

MASTERSPLIT WP36

THIS MACHINE MAY BE OPERATED ONLY BY ONE PERSON AT THE TIME! MORE THAN ONE PERSON WORKING SIMULTANEOUSLY IS STRICTLY FORBIDDEN.

PLEASE READ THIS OPERATING AND MAINTENANCE MANUAL CAREFULLY BEFORE OP-ERATING THE MACHINE



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When ordering spare parts, please include the machine type from the machine plate, order No. for the spare part, item and the quantity to be ordered. E.g. MASTERSPLIT WP36, 55307260, bearing unit, 1 piece

CE

WARRANTY FOR THE MACHINE ISSUED BY THE MANUFACTURER

Farmi Forest Corporation Ahmolantie 6, FIN-74510 IISALMI, Finland

announces that a machine has been made available for the market

Farmi - firewood processor (model)

Mastersplit WP36 / Mastersplit WP30 (type)

(Serial No.)

comply with machinery directive 2006/42/EEC. Furthermore, models with electric motors comply with Low Voltage Directive (LVD) 2006/95/EC and models with internal combustion engine comply with EMC directive 2004/108/EC regarding electromagnetic compliance.

lisalmi	26.5.2015
(place)	(date)

Sami Jerkku

GENERAL INFORMATION

MASTERSPLIT WP36 is designed for one person.

Only one person at the time can connect the machine to its power source. Hazardous area around the machine is 10 m. When the machine is being connected or operating nobody should access this area apart from the machine's operator.

This manual is intended for people who have previous experience with agricultural and forest machinery. To operate the firewood processor it is necessary to have a common knowledge and know-how concerning the forest industry.

Any modifications which have been made on this machine without authorization may void the the manufacturer's liability in case of damage resulting from such modifications.



GENERAL WARNING SYMBOL

The general warning symbol marks the complete safety-related information contained in this manual. When this symbol is shown, please

beware of potential dangers which may lead to injuries or accidents. Carefully read the text next to the symbol.

All illustrations of this manual, instructions and technical data are based on the latest details of the firewood processor's structure known at the time of publication. MASTERSPLIT WP36 - machine is continuously being developed and the manufacturer reserves the right for any changes without prior notice.

It is possible to solve and repair any malfunctioning that may occur by following the instructions inside the manual. Should you be unable to repair the machine, please contact the manufacturer. (Contact details may be found in the WARRANTY section).

THE USE OF THE MACHINE AND THE OPERATING RULE

MASTERSPLIT WP36 is a semi-automatic wood splitting machine which may be used for cutting and splitting pre-adjusted lengths of stems, logging- and sawing remnant, clean construction timber waste etc. The wood to be split is lifted on a feed table which will places the wood in the chainsaw.

An optional wood loader can be used to load the trunks directly from the ground onto the feed table. The length of the trunk to be loaded should be 2 m at least and 4 m at most.

The feed table consists of two scale surfaced plates, one of the plates moves simultaneously with the splitting ram.

The feed table is operated by the machine's operating lever.

When the operating lever is pulled towards the operator, the sawing action begins. When the operating lever is pushed away from the operator, the conveyor table moves forward, thus feeding wood to be cut and simultaneously splitting the wood onto the splitting chute. The machine has been equipped with an automatic rapid movement valve which will speed up the process by over 40%. alas reducing the splitting power.

The feed table will return to its normal position by returning the operating lever to the off-position or when the sawing action is restarted.

The cutting action is completed by a hydraulic chainsaw which rotates only when sawing is in progress. The cut wood falls onto the splitting chute and the splitting ram pushes it forward to a cross blade which then splits the wood. The height of the cross blade can be adjusted as needed. The conveyor moves the processed wood onto a pile.

Max. dimensions of the stems to be processed:

Mastersplit WP 30

Stem diameter max.	30 cm
Length of the split wood	max. 60 cm

Mastersplit WP 36

Stem diameter	max. 36 cm
Length of the split wood	max. 60 cm

Mastersplit splitting machines may be fitted with a blade for splitting into four, six or eight pieces.

Mastersplit splitting machines can also be equipped with an additional wood splitter which safely can split even larger stems or already split wood into smaller pieces with ease. When using the additional wood splitter, the stem diameter should be max. 40 cm whereas the wood length should be max. 60 cm.

INTRODUCTION

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The two operating points of the Mastersplit splitting machine are shown in the illustration below. Operating point 1 is the normal point for controlling all machine operations from feeding to splitting. Operating point 2 is used when the machine has been fitted with a separate splitting unit (two-handed operation) and is used for splitting wood.



SPLITTING MACHINE MODELS

MODELS	PROPULSION
TR	Tractor
SM	Electric motor
PM	Internal combustion engine
SM/TR	Electric motor or tractor
PM/TR	Internal combustion engine or tractor

SAFETY INSTRUCTIONS



GENERAL INFORMATION

- The splitting machine is intended for normal agriculture use, and it may be operated only by who has some previous experience with agricultural and forest machinery.
- Familiarize yourself with the machine's user instructions, controls, safety devices, and general operating of the machine before starting.
- Please follow all the warning and instruction labels on the machine.
- The machine may be operated only when all the machine's safety devices and protections are properly installed and in working condition.
- For mounting or dismounting the machine, always turn off the tractor and apply the parking

brake before entering the area between machine and tractor (Mastersplit TR).

- It is not permitted to use the tractor hitch when mounting the upper link. For mounting the upper link, the length of the upper link must be adjusted (Mastersplit TR).
 - Always wear safety equipment when operating the machine, such as hearing and eye protections, gloves, safety boots and a safety helmet. Wear suitable clothing while working and ensure that these do not have long hems (danger of getting caught).
 - Use extreme caution when fastening and unfastening the machine from a tractor/trailer (Mastersplit TR).

- The machine must solely be mounted to an appropriate power source which has been designed accordingly.
- The loaders (optional) must be unlocked (arms on the ground) before starting the machine (danger of crushing)!
- Before using the machine, ensure that there are no foreign objects or visible outflow.
- When operating the machine ensure that there are no children or unauthorized people close by.
 NOTE! Mastersplit has been designed for the operation by one person only.
- The machine must not stand too low as compared to the tractor. Otherwise, the universal shaft gets loose during operation (Mastersplit TR).
- Before switching the engine on, ensure that the operating lever is on the 0-position.
- Do not leave a running machine unattended.
- Ensure that the machine cannot move from its position during the operation. During operation, the machine must be mounted to a tractor. The Mastersplit mobile transportation base must be prevented from moving during operation by using wheel chocks or taking other measures.
- The machine must not used by a person who has not studied the user's instructions.
- For operation, maintenance and storage, always place the machine onto solid and level ground. In winter, pay attention to icy ground.
- The machine capacity must not be exceeded under any circumstances: Mastersplit WP30: Max. stem diameter, 30 cm, Max. length of split wood 60 cm Mastersplit WP36: Max. stem diameter, 36 cm, Max. length of split wood 60 cm.
- When removing wood remnants, dirt or the like from the machine, make sure the machine is at a standstill.
- Always keep a safe distance. Always keep away from chainsaw, splitting blade, conveyor belt and universal shaft.
- The operation of the splitting machine is prohibited without the guards and safety covers being installed correctly.
- The tractor's PTO must not be engaged and the engine must not be operated until all preparations have been finished and the guards have been installed (Mastersplit TR) / the engine/motor must not be operated until all preparations have been finished and the guards have been installed (Mastersplit SM and PM).

- When splitting construction waste, make sure it does not contain metal objects, nails, electrical conductors, concrete etc.
- Stop the machine immediately when detecting any potential risk.
- Prevent the tractor from moving during operation (Mastersplit TR).
- Never operate a damaged machine.
- Before switching on the electric power supply, check the plug, the socket and the visible cables for damage (Mastersplit SM).
- Turn off the tractor's PTO as soon as work has been finished (Mastersplit TR).
- When finishing working turn off the engine. (Mastersplit PM and SM).
- Always check that the emergency stop switch is functioning correctly when you start working (Mastersplit SM and SM&TR).



UNIVERSAL SHAFT (MASTERSPLIT WP36 TR)

- The shaft must only be handled when the tractor is switched off and the operator has ensured that the tractor is unable to switch itself on or move.
- Inspect the universal shaft for damage before operating the machine (the connection shields and its holding chain must be fastened) and make sure it has a suitable length.
- Before the power transmission is switched on, ensure that nobody is near the shaft or between the splitting machine and tractor, also check that all the safety equipment of the universal shaft is in place.
- Before lifting the splitting machine ensure sure that all telescopic pipes of the universal shaft are fitted in length.



MULTIPLIER GEARS

Multiplier gears may only be serviced when the engine is switched off. (Mastersplit TR)



BLADE CHAIN

- The blade chain must only be serviced when the engine is switched off and the operator has ensured that the splitting machine cannot move. (Mastersplit SM/PM).
- The blade chain may only be serviced when the tractor is switched off and it is ensured that the tractor is unable to switch itself on or move. (Mastersplit TR).



- CONVEYOR
- When adjusting the conveyor belt, ensure that the engine is off (Mastersplit TR, SM/PM) and the power transmission has been switched off ensuring that the tractor is unable to switch itself on or move. (Mastersplit TR). The conveyor belt is adjusted so that it does not slide on the driving roller. (See "CONVEYOR BELT ADJUSTMENT").
- NOTE! When removing wood remnants, dirt or the like from the conveyor, make sure the machine is at a standstill.
- Avoid entering the area beneath the conveyor system during operation.



When connecting the splitting machine to the back of a vehicle, extreme caution must be taken as there could be a crushing hazard.

STORAGE

- Ensure that the storage facility can hold the total-weight of the tractor and the splitting machine. (Mastersplit TR)
- Select a weather proofed and a quiet location, if possible.



HANDLING OILS AND LUBRICATION SUBSTANCES

- Avoid skin contact with oil and lubricants. Skin contact causes skin irritation. Always observe the instructions and provisions of the oil and lubricant manufacturers for handling such substances.
- Wear protective clothing, gloves and protective goggles.
- Should there be any skin changes, contact a doctor immediately.
- Waste oil generated during maintenance and repair must be disposed according to the manufacturer's instructions.

LABELS ON THE SPLITTING MACHINE

Make sure labels are not damaged and are always visible. If labels must be replaced, please contact your distributor or the manufacturer.





Label No. 1.

The information label contains information on the inspections to be performed before commissioning and reminds the operator of the importance of making himself familiar with the operating instructions before operation, maintenance and repair. If several operators use the machine, each one must read the user manual carefully before operating the machine.

Label No. 2.

When operating the machine gloves, hearing and eye protectors must be worn.

Label No. 3. The label warns against a rotating blade. (2 pcs.)



40 50 60

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Label No. 4. Length of wood



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Label No. 5. Informs on the maximum rotation speed for the universal shaft. (Mastersplit TR)



Farmi Forest Corporation		
Ahmolantie 6 FIN-74510 IISALMI FINLAND		CE
Hersteller / Manufacturer		FARMI FOREST CO
Тур / Туре		WP 36
FabrNr. / Serial number		
Baujahr / Manufacturing year		20
Drehzahl max / P.T.O max	rpm	400
Erf. Anttriesleistung / Input power	kW	7,5
Hydrauliches Öl / Hydraulic oil	ι	40
Hydraulikdruck max/ Hydr. pressure max	bar	180
Gewicht / Weight	kg	520
		10146860 /

Label No. 6. Operating lever label.

Label No. 7. Machine plate







HATASEIS NODSTOPP Label No. 8. The label warns against movable machine parts.

Label No. 9. Mastersplit has been designed for the operation by one person only!!

Label No. 10. The label warns against an open conveyor (2 pcs.).

Label No. 11.

The label warns contains information on the position of the emergency stop switch on a machine with electric motor. Mastersplit SM and SM&TR models.









Label No. 12.

The label warns against the risk of crushing between the driving roller of the conveyor and the conveyor belt (2 pcs.).

Label No. 13.

The label warns against the risk of crushing between the driving roller of the conveyor and the machine frame (2 pcs.).

Label No. 14.

The label informs on the mounting position of the winch on the shaft and on the loaders for mounting the machine in its working position and dismounting it.

Label No. 15. The label informs on the type of chainsaw used in the machine.



Label no. 16. Label shows rotation direction of the electric motor. Mastersplit SM and SM&TR models.

Label no. 17. Label shows the correct forklift fastening points (2).



FARMIFOREST





Label No. 18. Farmi Forest. (40146970)

Label No. 19. Mastersplit. (40147310)

Label No. 20. WP 36 (40147300)

COMISSIONING

This sections illustrates the preparation operations and specific instructions to start operating.

1. Lift the machine on a solid and level surface. (If required, adjust the machine into the horizontal position by using the support legs.)

2. Turn the feed table extension into the horizontal-position.



3. Loosen the strap, detach it from the conveyor and straighten to release.

4. Fasten the strap to the shaft at the labelled point (do not tighten the strap). Note! Make sure that the strap goes straight from the winch to the shaft.



5. Loosen the shaft lock.

6. Carefully lower the shaft and make sure it is held by the strap.



7. Make sure that the foot of the shaft is in the up position, so that the shaft is not resting on the foot. The shaft must be lowered to the fully down position.

8. Use the winch to lower the shaft down to the lowest position and make sure the strap does not fray. You may turn the winch handle with your left hand while using your right hand to guide the movement of the belt if necessary. Note! If the machine includes loaders (optional), then turn the loader hook forward, remove the cotter pin and turn the loader arms down with the shaft in the down position (See "WOOD LOADER").



9. Remove the strap from the shaft and reinstall the hook to the conveyor.

10. Unlock the fixed feed table.

11. Pull the fixed feed table to the rear against the table support and make sure the table locks positively into place.

12. Swivel in the frame of the back support roller to the lowest position.

13. Adjust the shaft foot to a suitable length.



14. Loosen the strap and remove it from the conveyor (unless it has been directly fastened on the conveyor). 15. Fasten the strap directly on the conveyor. NOTE! Attach the strap as shown in the figure.



16. Turn the conveyor upright with a winch.

17. Open the locks on both sides to release the conveyor.



18. Use the winch to set the end of the conveyor into the vertical position until it nearly contacts the ground. 19. Make sure the roll is aligned in a straight line. Align it if necessary.

20. Straighten the conveyor in a controlled manner (it will tend to straighten itself) and with care. NOTE! When lifting the conveyor, hold it at its end and not on its joint!



21. After having lifted the conveyor loosen the other end of the holding chain of the conveyor belt. Now the conveyor is ready for use.



22. Lower the splitter cover to the down position.



- Adjust the wood length regulator to the desired position (see section: "Adjustment of the length of the split wood").
- Note! The operating lever must be locked before starting the machine. See next picture.



- Start the splitting machine (tractor on idle running) and check that the conveyor belt is rotating flawlessly and runs through the middle of the conveyor. (Fasten, if required, see section: "Conveyor belt adjustment").
- Hold the operating lever with the right hand (for the correct kind of gripping, see the figures shown). Use the left hand to turn the lock of the operating lever upwards and then pull the operating lever carefully towards you. At the same time, the feed table moves back to the rear position.



NOTE! Always wear personal protective equipment when operating the machine. The filter on the hydraulic oil tank can heat up during machine operation.



MOBILE TRANSPORTATION BASE (accessory)

The transportation base can only be installed if it is ordered together with the machine.

- Find a solid and even base for the machine.
- Release the machine from the vehicle's coupling hook.
- With the cam gear adjust the machine's pulley shaft from the horizontal to a slightly downward angle so that the rear support leg is higher.
- After this lower the rear support leg on the ground, with the cam gear, adjust the pulley shaft of the machine from the horizontal to a slightly upward angle and lower the front support leg down to the ground. Then, adjust the pulley shaft with the cam gear into the horizontal position. Lastly, lower the shaft's support leg and loosen the cam gear. This will assure that the machine is firmly on its base.
- Unlock the fixed feed table (behind the moving feed table) and pull the feed table backward against the table's support. Ensure that the table is locked in its place.
- Next see section "Preparing the conveyor for operation". Take action accordingly.
- Switch the splitting machine on idle running and check that the belt is rotating flawlessly and runs through the middle of the conveyor.

WOOD LOADER (accessory)

The length of the trunk to be loaded should be 2 m at least and 4 m at most.

- Turn the loader's hook to the front, unfasten the cotter pin and turn the arms down. Note! The arms must always be on the ground before starting the machine (danger of crushing!).
- Lock the operating lever using the lock.



Roll or lift the stem onto the support arms. Then fasten the loader's hook to the stud on the moving feed table (see figures below).

NOTE! Hold only the grip of the loader's hook as shown in the figures.



Then move the feed table carefully to the front; in doing so, the stem is lifted. NOTE! Lift the stem slowly and make sure it is kept balanced (see figure below).



- After the stem has been lifted onto the feed table, carefully move the moving feed table to the rear position; in doing so, the loader's hook and the loader are unfastened from the moving feed table.
- Unlock the operating lever. Now you can begin to spilt wood.

ADDITIONAL WOOD SPLITTER (accessory)

- Mastersplit can be used to split stems already cut or large pieces of wood into even smaller pieces. The additional wood splitter is a machine option.
- When using the additional wood splitter, the stem diameter should be max. 40 cm whereas the wood length should be max. 60 cm.

Operation

• Put the stems to be split into the splitting chute.



1. The mechanism of the additional wood splitter is operated with two levers located on the shield of the additional splitter.



2. As shown in the figure, take hold of the lever for the left hand with the left hand.



3. As shown in the figure, take hold of the lever for the right hand with the right hand.



4. Push the lever for the left hand forwards and pull the lever for the right hand upwards; in doing so, the splitting ram splits the stem in the splitting chute.

 When the two levers are released the splitting ram returns to its initial position and a new stem can be loaded into the chute.



SPECIFICATIONS OF THE UNIVERSAL SHAFT LENGTH (Mastersplit TR)

- Disconnect the universal joint halves from each another.
- Connect one half of the universal shaft to the tractor, and the other half to the splitting machine.
- Raise the splitting machine from the ground so that the shafts' ends are as close together as possible.
- Mark the shafts with the contraction points and leave a safety margin of approx. 30 mm (maintain the shaft's length ratio and the cover the same!)
 NOTE! The use of a universal shaft that is too long may damage the machine.
- WARNING! Exercise extreme caution as you may get crushed when working between the wood splitting machine and the tractor.

CHAINSAW LUBRICATION CONTROL

Do not switch the splitting machine on until the following procedure has been completed.

- Hold the operating lever and make a few sawing maneuvers until some oil drips from the chainsaw.
 (Note! Complete this procedure every time you begin to work with the splitting machine!)
- If oil does not drip, check the adjustment of the lubrication system. (See section: "Troubleshooting").

SPLITTING MACHINE OPERATION

This part of the operating manual explains the adjustments for machine operation and the correct working procedures.

SPLITTING MACHINE OPERATION ADJUSTMENTS

- adjustment of the split wood length
- adjustment of the splitting blade height
- Adjustment of the operating position of the conveyor
- Conveyor belt adjustment

ADJUSTMENT OF THE LENGTH OF SPLIT WOOD (see figures below)

- adjustment of the split wood length is achieved by moving the stopper plate
- Open the locking screw of the stopper plate shaft.
- Move the stopper plate until it has reached the required position on the scale.
- Tighten the locking screw securely.





ADJUSTMENT OF THE SPLITTING BLADE HEIGHT (See the figure below)

- Splitting is executed in either 4 or 2 parts. (with the splitting blade accessory in 6 on 8 parts)
- The splitting blade height may be adjusted depending on the stem diameter.
- The splitting blade moves downward by pulling the adjustment rod toward the user (thick wood).
- The splitting blade moves upward by pushing the adjustment rod away from the user (thin wood).
- If required the splitting blade may be removed entirely.







CONVEYOR OPERATION ADJUSTMENT

(See pictures below)

- Conveyor sideways adjustment (figures 1 and 2).
 When adjusting the conveyor secure footing must be ensured.
- Adjust the inclination of the conveyor using the winch if required (figure 3). Maximum inclination of 40° compared to the ground is admissible.



Figures 1 and 2. Lateral adjustment of the conveyor.



Figure 3. Adjustment of the conveyor inclination.

CONVEYOR BELT ADJUSTMENT

(see figures below)

- NOTE! The tension of the conveyor belt has not been adjusted before delivery.
- Check the conveyor belt tension always before usage.
- Lower the conveyor head with the winch to a height of about one meter (the conveyor must be on the operating position extension part straight.) and adjust the belt by the screws at the end of the conveyor so that the belt rotates faultlessly. (Does not rub against the sides and does not slip off the driving roller).
- If required, tighten or loosen the conveyor belt using a 19 mm spanner.





WORKING WITH THE SPLITTING MACHINE

This section illustrates working with the splitting machine.

- Selecting the place for working.
- Checks before use.
- Working methods

SELECTING THE PLACE FOR WORKING

When acquiring and gathering wood it would be advisable to pay attention to the requirements and limitations of the splitting machine. Mastersplit has been designed to be operated easily and swiftest operating as possible.



The machine must always stand on firm and level ground. A tipping machine may cause impact and crushing hazard for any person staying near the machine. When working

with the machine, always make sure there is no other person who might be endangered by the machine (the danger zone of the machine encompasses 10 meters).

Mastersplit has been designed for the operation by one person only!

Working in the forest

- Pile the wood on an even and solid surface.
- Allow plenty of space around the machine for working.
- Make the vehicle path as straight as possible and take note of the space that the combination requires when planning the turning points into woods.

Splitting wood directly into storage

- Before hauling the wood, move the splitting machine on a solid and even working area and define the working areas as required.
- During winter, place, for example, sand to prevent slipping.
- Ensure that you are able to see the top end of the conveyor so that you can assess when the storage is filled up.

CHECK UPS AND PROCEDURES BEFORE THE START-ING OF THE OPERATIONS

Checks to be performed before operating the machine:

- Check the oil level in the hydraulic oil tank. The oil must reach at least to the center of the oil level gauge (oil class 32, 32S or equivalent). NOTE! The chainsaw is lubricated using oil from the same tank.
- Check that the emergency stop switch is functioning correctly (Mastersplit SM and SM&TR).
- Ensure machine stability and take care no other person is standing or working near the machine.
- Check that there are no foreign objects in the splitting chute or on the conveyor.
- Make sure the chainsaw is correctly lubricated. (See section: "Chainsaw lubrication control").
- Check that the operating lever is locked (See "CONVEYOR OPERATING SETUP").

Checks in longer intervals:

- Make sure there is no oil leakage in the machine.
- Check the tension of the conveyor belt (see section: "Splitting machine operation adjustments").
- At regular intervals, check the status of the conveyor.
- Check pins, bolts and screws for tightness (visual inspection).
- Check the sharpness of the chainsaw. Never operate the splitting machine with a blunt chainsaw. If required, sharpen the chainsaw with a 4.8 mm circular file or with an electric sharpener.
- Check the oil level of the internal combustion engine using the dipstick. (Engine oil SAE 10W-40) (Mastersplit PM) The engine is equipped with an oil level warning function.
- Check all parts for damage. NOTE! Never operate a damaged machine.
- Check the universal shaft for damage and make sure it has the appropriate length. See the information in section "Specifications of the universal shaft length". A universal shaft which is too long may cause damage of the splitting machine or the tractor.
- Check the status of the strap on the winch. A frayed belt must be replaced.
- Clean the exteriors of valves and operating equipment regularly.

STARTING THE COMBUSTION ENGINE (Mastersplit PM)

(Please also read the separate manufacturer's instructions)

- Ensure that there is enough fuel in the fuel tank. Add 98-octane unleaded gasoline if required.
- Make sure the operating lever is locked. The valve is in the 0 position (See "CONVEYOR OPERATING SETUP").
- Open the fuel cork.
- Ensure that the switch is in the I-position.
- Set the choke on "Choke" (Cold weather! See "Troubleshooting"-section)
- Take a strong grip of the start-up rope and pull sharply until the machine starts.
- When the machine has started gently ease the choke to the off position until the machine continues to run without the choke.
- Let the machine run about 1 min with low revolutions.
- Turn the gas lever to its maximum position and then it is possible to start working with the splitting machine. NOTE! During cold weather the machine functions normally after a couple of minutes of working.

WORKING METHOD

- When beginning to work, check that the fixed feed table is locked into the back position.
- Turn on the tractor's engine and switch the power transmission on. Adjust power transmission revolution number. Maximum speed is approx.
 400 rpm. (Mastersplit TR) This must not be exceeded! => Oil will overheat. This kind of operation error that can cause damage to the machine is not covered by the warranty!
- Start the electric engine by turning the switch into a Y-position. As the engine starts turning back to the Δ-position. (Mastersplit SM).
- Start the combustion engine. See section: "Starting the combustion engine" (Mastersplit PM)
- Load wood off the pile onto the feed table.
- If the machine is equipped with a wood loader operate as follows:
 - (If the wood loader arms are in the upright position, see section: "Deployment".)
 - Turn the operating lever away from yourself so that you can set the locking lever onto a locking position.

- Roll wood on the arms of the loader so that

 the top of the wood and the support leg space
 between the user in lengthwise direction is approx. half a meter.
- Ensure the wood remains in the middle of the arms.
- Lift the loader hook up with your left hand and carefully push the operating lever forward. Feed table will move forward and the loader hook will stay on a cotter on the feed table thus raising the wood.
- Roll wood onto the feed table.
- Lower the loader arms down.
- With your right arm hold the operating lever and push the lever forward. The feed table will move forward feeding wood for cutting. The left hand is for guiding and holding on to the wood. Move the wood as far as the stopper plate (stopper). (Note rapid action. See section" The use of the machine and the operating principle ".) NOTE! If the wood is not moving with the feed table, help by pulling it with your left hand against the moving feed table.
- If the wood is too thick or there are bends, ensure that it does not get caught on the edges of the feed opening. This kind of operating error that can cause damage to the machine is not covered by the warranty!
- Pull the operating lever towards the user and the feed table returns to its basic position and the saw starts up.
- When the wood is cut it will fall onto the splitting chute, where a splitting ram pushes the wood to-wards the splitting blade and simultaneously the feed table feeds new wood for cutting.
- NOTE! If the tree will not split with the rapid movement, pull the handle towards yourself, this will increase the splitting power. If the tree does not split even when using the higher splitting power, do not continue the splitting as the oil in the machine will overheat fast and the machine might get damaged. This kind of operating error that can cause damage to the machine is not covered by the warranty!
- Adjust the splitting blade height if required. (See section: "Splitting machine operating adjust-ments".)
- Continue sawing until the last piece of wood remains. (While sawing, always hold on to wood with your left hand.)

Take hold of the crank on the top of the machine with the left hand (with the right hand still holding the operating lever) and push the crank away from you. The stopper moves upwards and the auxiliary plate swings upwards (see the following figures).



- Move the last piece of wood on the feed table's (**not by hand!**) auxiliary plate and return the feed table to its original position. Then return the crank with your left hand allowing the wood to fall onto the splitting chute for splitting.
- NOTE! If the diameter of the wood is so wide that it catches the opening of the feeder ensure that it cannot move to the vertical position, thus this may damage the framework. This kind of operating error that can cause damage to the machine is not covered by the warranty!
- Do not insert your hand inside the safety grill. If the piece of wood does not move on the feed table immediately, repeat the action.
- Ensure that the splitting pile beneath the conveyor does not get too high. A high pile may cause the conveyor to break.
- If the conveyor begins to build up wood, apply it gently slopied. (NOTE! Maximum angle with respect of the operating base is 40°.)

PREPARING THE MACHINE FOR HAULING

 Move the moving feed table to its front position and lock the operating lever (See "CONVEYOR OPERATING SETUP").

1. Re-attach the other end of the holding chain of the conveyor belt to the hook.

2. Lower conveyor tip to 1.5 – 2 metres from the ground and lift the conveyor at the leveled position and fold it. NOTE! Take hold of the conveyor at a safe distance to the joint (hinge) (as shown in the figure) to ensure that the hands cannot be crushed in the joint.



3. Lift the splitter cover to the up position against the winch post.

4. Turn the conveyor upright with the winch so that the conveyor's extension part can be locked.

5. Lock the conveyor extension part.



6. Use the winch to turn the conveyor onto the machine.



7. Remove the hook from the conveyor and loosen the strap.

8. Place the loader (extra equipment) into its upright position and lock it using a cotter pin.



9. Unlock the fixed feed table on the table support and slide it into its home position.

10. Place the frame of the back support roller into its vertical position.

11. As shown in the figure, attach the strap to the shaft or to the loader arm being closest to the machine. Lift the shaft using the winch. In doing so, please make sure the strap does not fray.

12. Lift the foot of the shaft into the up position.



13. Lock the shaft in the safety cage.

14. Remove the strap from the loader or from the shaft, thread it through the safety cage and fasten it to the conveyor. Tighten it.

15. Swivel the feed table extension to its upper position. NOTE! Tighten it if necessary.



16. Now the machine is ready to be transported.

Note! Make sure that the feet of the machine have adequate clearance from the ground before beginning transportation.



DRIVING ON PUBLIC ROADS

Carefully read the safety instructions before transporting the wood splitting machine.

Manufacturer and distributor do not assume liability for damages caused by the non-observance of the instructions.

For transport on public roads, the machine must be empty and the devices must be in transport position.

- NOTE! Driving on public roads is only permitted with the registered machine model ("Mobile").
- Note that the mass of a non-braked trailer permitted for the respective tractor/towing vehicle must be given in the registration document (750 kg). ("Mobile" model)
- Make sure there is no wood, waste or the like in the splitting machine.
- Retract the splitting ram and remove the cross blade for the transport period. ("Mobile" model)
- Prepare the machine for transport, see section: "SPLITTING MACHINE OPERATION" --> "PREPA-RING THE MACHINE FOR HAULING" (Mastersplit TR)
- Prepare the conveyor for transport, see section: "SPLITTING MACHINE OPERATION"--> "PREPARING THE MACHINE FOR HAULING" ("Mobile" model)
- If the machine is equipped with a loader, lock it in vertical position and swivel the loader's hook to the rear.
- Make sure there are no loose parts in the machine.
- Make sure the cotter pins of the machine's support legs are inserted and that the support legs have been lifted for transport.
- Ensure the requested stability of the tractor/trailer combination before coupling the splitting machine to a tractor. The tractor/trailer combination must be under control at all times. (Mastersplit TR)
- Make sure the ball coupling locks into place on the towing hook. ("Mobile" model)
- During transport, the tractor's PTO must not be engaged. (Mastersplit TR)
- Check the following safety equipment: lights, reflectors, etc. ("Mobile" model)
- Do not exceed the permissible transport dimensions, axle load and total weight. When driving on public roads, at least 20% of the total weight must be on the tractor's front axle. (Mastersplit TR)
- Before starting make sure no other person is standing near the tractor/trailer combination.

- When driving, please take into consideration the additional mass resulting from the machine's weight. It may affect the reactions, the steerability and the braking function of the tractor/towing vehicle.
- The maximum permissible driving speed is 80 km/h. ("Mobile" model)
- Please note that the machine rear sways when turning.
- Pay attention to the machine's height near bridges or other height restricting objects.
- Please take into account that the tractor/trailer combination is extremely long and needs much space for turning.
- Always clean the machine after operation and after transport to avoid paint damages. NOTE! Especially road salt must be washed away after transport.
- When backing off, the machine may obstruct the rear view. Exercise extreme caution. If necessary, ask a flagman to help you; he can indicate the required distances.
- When uncoupling the machine from the towing vehicle always take into account the gradient of the ground to ensure the machine cannot roll away. ("Mobile" model)

MAINTENANCE

In this section of the operating instructions, with indications on how to carry out regular maintenance and inspections are re¬viewed. We recommend that a maintenance log book is kept for the machine maintenances.



SAFETY INSTRUCTIONS

- Whenever the machine is either serviced or adjustment actions are made, the machine must be placed on a solid base and must be at a standstill.
- When the machine is serviced or adjusted, care must be taken that either, the machine or operation engine or tractor cannot accidentally turn itself on.

LUBRICATION

The following lubrication schedules are valid when using the splitting machine on a normal load in a proper environment. If the machine is heavily overloaded, or used in an unfavorable environment e.g. dusty environment, shorten the time space between the lubrications.

BEARING LUBRICATION

Grease the following bearings after about 100 running hours with general grease.

- Conveyor driving roller bearing (UCFL 205, 1 pcs.)
- Back support roller bearings (UCFL 205, 2 pcs.)

OTHER LUBRICATION

At regular intervals (approx. every 100 hours), check that the mechanism of the machine's operating lever is sufficiently lubricated.

CHANGING THE OIL

The following oil change schedules are valid when using the splitting machine with a normal load in a proper environment. If the machine is heavily overloaded, or used in an unfavorable environment e.g. dusty environment, shorten the time interval between the lubrications.

NOTE! Do not use biodegradable oil in the machine. Biodegradable oils can damage hydraulic components. The manufacturer does not assume any liability for machine damage resulting from such operating faults!

COMBUSTION ENGINE (Mastersplit PM)

Change combustion engine lubrication oils according to the manufacturer's recommendation. (Please also read the separate instructions manual.)

MULTIPLIER GEARS (Mastersplit TR)

Change the oil every 1000 hours or at least once per year, whichever interval expires first. Fill the PTO gear with 2.5 dl oil, e.g. Shell Donax TD 10W-30.

HYDRAULIC OILS

The first oil change must be performed after six months or after 100 hours, afterwards every 12 months or 500 hours. Fill the tank with 40 l oil. **NOTE! The oil temperatures must not exceed over 80°C during operation.**

Fill in the oil through the filler neck on the top of the tank. The oil must reach at least to the center of the combined oil level gauge/thermometer. NOTE! Only replenish hydraulic oil of the 32, 32S class or an equivalent oil.

OIL LEVEL CHECK

Always check the hydraulic oil level from the gauge before using the splitting machine.

CHAINSAW MAINTENANCE

- Blade chain and chain flange removal and fitting
- Blade chain sharpening

BLADE CHAIN AND CHAIN FLANGE REMOVAL AND FITTING

Blade chain removal:

- Open splitter cover.
- Turn the chain flange to the suitable position (in sight) and place a solid piece of wood in between so that it will stay in that position.
- Slightly loosen (do not remove!) the nuts on the chain flange (3 pcs.).
- Loosen the blade chain by turning the adjusting screw in an anticlockwise direction and spreading the blade chain on both sides of the chain flange, and pull the pullwheel and chain away from the chainsaw motor axle. After this take off the blade chain from the chain flange end wheel.



Blade chain fitting:

- Set the blade chain on the chain flange end wheel and allow the chain gear to hang on the blade chain.
- After this, place the gear on the chainsaw's shaft while laying the chain on both sides of the chain flange.
- Tighten the blade chain to the desired tension.
- The blade chain is tightened with the adjustment screw. When turning the screw clockwise, the blade chain will tighten and anticlockwise it will loosen. The tension of the chainsaw is correct when the teeth can be seen when the chain is pulled. Note! The blade chain which is either too tight or too loose may damage the chainsaw engine and the chain flange!
- Finally tighten the chain flange fastening nuts.



Chain flange removal:

- Take off the chain flange nuts (3 pcs.).
- Loosen the blade chain adjusting screw and detach the chain flange fastening plate.
- Remove the chain flange, chain gear and blade chain.

Chain flange fitting:

- Allow the blade chain, chain flange and pullwheel to hang by the blade chain.
- Close up the entire package with the pullwheel on the chainsaw motor axle and the chain flange on the fastening bolts.
- Set the chain flange's mounting block and nuts in their places. (Note! Do not tighten!)
- Adjust the blade chain tension as required and tighten the chain flange fastening nuts.

SHARPENING THE BLADE CHAIN

- Remove the chainsaw to sharpen it.
- Blade chain is sharpened with a 4.8 mm circular file or with an electric sharpener.

DISPOSAL OF THE MACHINE

When the operating life for the splitting machine has come to an end it must be disposed by using the methods which are the least hazardous for the environment.

Follow the next instructions:

• Organize the machine to a scrap processing company where it can be crushed under supervision.

If the machine cannot be taken to a scrap processing company, act as follows:

- Drain off the hydraulic oil carefully of the entire system and transport the oil to a supervised waste oil recycling center.
- Take off all the rubber parts and transport them to the scrap rubber collection point.
- Transport the scrap metal to a scrap metal collection point.

TECHNICAL DETAILS Mastersplit 36

Feature	TR	SM	SM / TR	PM	PM/TR
Tractors 3-point loader may 400 rpm	v	0	v	0	v
Compustion engine 13 bn Fuel 98E-octane	^ 0			v v	× ×
Electric engine nower current 7.5 kW	0	v	 		A
	0				-
Length of split wood (cm)	25-60	25-60	25-60	25-60	25-60
Max Stem diameter (cm)	25-00	25-00	25-00	25-00	25-00
Hydraulic oil tank VGA32 (inc. oil 40 l) Cap (l)	50	50	50	50	50
Weight (kg)	665	722	7/1	707	719
	005	725	/41	707	710
Operating lover height (cm)	100 125	100 125	100 125	100 125	100 125
Patented 15" Flange (Notel chain 18"/72 links)	100-125 V	100-125 V	100-125 V	100-125 V	100-125 V
Hydraulic power transmission	× ×	× ×	 V	× ×	N V
Automatic lubrication		N V	× ×	× ×	N V
	^	^	Λ	^	^
Rapid splitting action 33 cm stem (s)	1.0	1.0	1.0	1.0	1.0
Normal action 33 cm stom (s)	1.0	1.0	1.0	1.0	1.0
Power action 33 cm stem (s)	2.0	2.0	2.0	2.0	2.0
Ouenched blade 2/4 parts	5.0 V	5.0 V	5.0 V	5.0 V	3.0 V
Quenched blade 2/4-parts	<u>^</u>	<u> </u>	^	<u>^</u>	<u> </u>
Quenched blade 2/8 parts	0	0	0	0	0
Quenched blade 0/2-parts	0	0	0	0	0
Splitting blade fast mount	v v	v	v	v	v
	^	^	^	^	^
	0	0	0	0	0
Patented V-shane feed table	v	v	v	v	v
OUTPLIT CONVEYOR 240 mm x 4000 mm		Λ			Λ
Hydraulic use	v	v	v	v	v
		A	Λ	A	Λ
Mobile base (weight 110 kg)	0	0	0	0	0
Wood loader (weight 35 kg)	0	0	0	0	0
Universal shaft 90 cm	0		0		0
Electric start		Y	v v	0	0
Additional wood splitter	-	^	^	0	0
Oil cooler	0	0	0	0	0
	0	0	0	0	0
Feeder roll	0	0	0	0	0
NOISE LEVELS					
Sound pressure level dB Linad	85	82	82/85	87	87/85
Acoustic power level dB L _{WAD}	101	99	99/101	106	106/101

TROUBLESHOOTING

Further details on next pages

FAULT	CAUSE OF THE FAULT		
Chainsaw lubrication fault	Lubrication cylinder adjustment is wrong		
Hydraulic oil overheating / Chainsaw rotation fault	Rapid action use with large wood		
	Too great revolution speed		
	Chainsaw valve shaft position		
Conveyor belt slipping	Conveyor belt is loose		
	Conveyor belt rotates unevenly		
	Conveyor belt / driving roller has impurities		
Electric engine problems (SM and SM/TR -models)	Electric switch in wrong position		
	Wrong coupling		
Combustion engine starting problems (PM and PM/TR -models)	Water in a fuel system		
	Conveyor belt jammed		
	Wrong method for starting		
Oil thermometer defected	Hydraulic oil has overheated		
Saw does not cut the wood	Saw chain is blunt		
	Chain has been sharpened unevenly		
	The chainsaw has been mounted the wrong way round		

CHAIN SAW LUBRICATION

Chain lubrication

The figure shows the correct position of the lubricator when the operating lever is in rest position. During the sawing movement, the lubricator turns upwards and the bearing supplies oil to the chainsaw through a hose.

Adjustment of the lubricator.

- Loosen the nut (M30) pressing the lubricator against the bearing.
- Move the lubricator to the correct position.
- Slightly tighten the nut.
- Recheck the chainsaw lubrication.

If necessary, you can change the position of the bearing pressing against the hose.

Adjustment of the bearing.

- Loosen the bearing's fastening nut (M8).
- Move the bearing to the desired position.
- Slightly tighten the nut.
- Recheck the chainsaw lubrication.



OVERHEATING HYDRAULIC OIL / CHAINSAW ROTATION FAULT

Too great revolution speed

• Check tractor's power output revolution number. Maximum allowed revolution number is 400 r/min. Picture 1.

Chainsaw valve shaft position

- Fault is best described as choking starting sound
- Shaft position is wrong
- Check chainsaw valve and the angle of the flap on top of it (A) must be just over 90 degrees. Picture 2.
- Adjust the flap (A) position correctly from the hex screw on the frame of the chainsaw. Picture 3.
- NOTE! Ensure that the chainsaw is on the back position while adjusting.

Cleaning the piston

• Make sure there are no foreign particles in the piston chamber. See figures 4 and 5.

Warning!

OVERHEATING HYDRAULIC OIL DAMAGES THE MA-CHINERY!











THE CONVEYOR BELT IS SLIPPING

NOTE!

Before maintenance, the machine must be stopped completely and disconnected from the power source.

Conveyor belt is loose

- Tighten the conveyor belt.
- Tighten the M12 nuts evenly from each side at the joint end of the conveyor.
- After tightening ensure that the belt rotates evenly. Figure 2.

The Conveyor belt rotates unevenly

- If the conveyor belt is rubbing against the sides, the adjusting nut on the respective side must be tightened carefully and the belt movement must be checked. See figure 1.
- If the belt still runs eccentrically, slightly loosen the bearing bolts shown in figure 3 and shift the bearings/roller by tapping gently, for example with a rubber hammer.





Conveyor The belt / driving roller has impurities

- Clean the driving roller and belt from any possible snow, ice and other impurities. Figures 2 and 3.
- Fold the conveyor extension to the hauling position before cleaning when the belt is loose (makes cleaning easier).



ELECTRIC ENGINE PROBLEMS

Emergency stop-switch is engaged

• Ensure that the emergency stop-switch (red) is not engaged.



Electric switch in wrong position

 Start the electric engine by turning the switch into a "Y" position. When the engine starts turn the switch immediately back to the "Δ" position. (figure 1)

Warning!

• Long operating times in the "Y" position causes damage to the electric engine!

Wrong coupling

- Check the power transmission and cables.
- Check with the general indicator that all gears are connected to the power transmission.

NOTE!

Recommended max. length of the power cord is 50 m

• Ensure that the power cord is not coiled (the power transmission is hindered).
COMBUSTION ENGINE STARTING PROBLEMS (PM and PM/TR -models)

Water in a fuel system

- Cover the combustion engine when raining .
- Cover the engine carefully during hauling.
- Any water trapped in the system must be drained by opening the fuel filter/drain plug. See figure 1.
- If there is water in the cylinder, remove the plug, start the machine, dry the plug and place it back.



Honda



- If there is considerable resistance when starting, fold the conveyor extension part, and the belt will loosen.
- Start the combustion engine and let it warm up.
- Stop the combustion engine and set the conveyor on operating position.

NOTE!

The conveyor belt may freeze during winter.

Wrong method for starting

• See instruction manual section "Combustion engine starting" correct way of starting.



Subaru

Oil thermometer defected, picture 1

- If the oil thermometer is defected, it is a symptom that the oil has overheated and the gauge has expanded and broken the thermo-meter.
- NOTE! Max. oil operation temperature is about 80°C. See section "Overheating hydraulic oil".
- Normally the colour of the oil is almost clear. If the hydraulic oil is black, it is an indication of overheated oil. If the oil colour is gray, there is water mixed to it.
- In either case it must be changed immediately.



Saw does not cut the wood, picture 2

- If the saw does not slide over the wood by its own force, the chainsaw is blunt or the chain has been mounted the wrong way round.
- If the saw cuts the wood fractionally and then stops, it is an indication of that one side is blunt or one side only has been sharpened.
- See operating- and maintenance instructions section: "Chainsaw maintenance".



FRAME



FRAME

Part	Order no	Item	Note	Pcs.
1	30142	Frame		1
2	30120	Diagonal frame support		1
3	30103	Support for beam		1
4	30115	Remover		2
5	90157	Sidestring		1
6	55306730	Cover		1
7	55307300	Coverplate		1
8	55307280	Coverplate		1
9	30118	Coverplate for chainsaw		1
10	30104	Supportbeam	round	2
11	55307650	Socket		3
12	30119	Support for frame		1
13	30102	Supportbeam	L-type	1
14	30116	Adjusting plate		1
15	30123	Holder		1
16	30302	Plywood	765x60	1
17	30301	Plywood	765x90	1
18	30717	Lock		1
19	55307290	Cover with adjusting plate		1
20	10309	Spring		3
21	30112	Bracket for cover		1
22	10105	Supportrubber for conveyor		1
23	30125	Counterweight of the locking part		1
24	54820980	Winsch + Belt		1
25	30129	Frame part of additional wood splitter	accessory	1
26	30126	Lever	accessory	1
27	10681	Bearing	accessory	2
28	30127	Lever	accessory	1
29	90149	Spring	accessory	1
30	30128	Lever	accessory	1
31	30144	Cover	,	1
32	30149	Chainsaw cover		1
33	30145	Sidecover		1
34	30147	Splittingcover extension		1
35	30146	Splitting cover		1
36	90220	Handle		1
37	30148	Splittingcover endplate		1
38	30158	Splittingcover guideplate		1
39	10681	Bearing		1
40	30157	Guide plate 2		1
41	30152	Guide plate 1		1
42	30153	Saw valve guideplate 3		1
43	30150	Saw valve guide spacing plate 1		1
44	30154	Saw valve guide spacing plate 2		2
45	30160	Saw valve guide lever 4		1
46	30151	Saw valve guide lever 2		1
47	30159	Saw valve guide lever 1		1
48	90149	Spring		1



TANK

Part	Order no	Item	Note	Pcs.
1	30601	Hydraulic oiltank		1
2	30609 & 30610	Filter, frame+filter	Filter cartridge 55307210	1
3	10618	Сар		1
4	30684	Hydraulic hose	1″, 550 mm	1
5	30611	Hydraulic hose	3/4", 1950 mm	1
6	55307370	Thermometer		1
7	90126	Tightener		1
8	10619	Magnetic plug		1
9	30660	Lubrication hose	8/6mm, 1200 mm	1
10	52455120	Rotating nipple	1/8"- 8 mm	1
11	90038	Spindle	1″-25 mm	1
12	90084	Doublenipple	3/4"-3/4"	1



Part	Order no	Item	Note	Pcs.
1	30201	Frame for chainsaw		1
2	30218	Stopper		1
3	30235	Gap plate for flangefix		1
4	55307600	Chain	Carlton	1
5	55307570	Chainsaw flange		1
6	90024	Adjustment screw	M6x45 DIN84	1
7	55307590	Connection plate for flange		1
8	55306740	Tightening plate for chain		1
9	55306130	Pullwheel of chain		1
10	30216	Lock for rotateplate		1
11	30215	Rotateplate for chainsaw		1
12	90149	Spring		1
13	30219	Guide plate for sawdust		1
14	55306440	Spring		1
15	30608	Guiding plate for chainsaw		1
16	58231100	Intermediate sliding switch		1
17	90180	Copperseal	1/2″	4
18	30619	Hydraulic hose	1/2", 970 mm	1
19	90118	Banjobolt		2
20	30618	Hydraulic hose	1/2", 830 mm	1
21	55307190	Hydraulicmotor		1
22	30226	Overload hose	8/6 mm, 900 mm	1
23	30228	Rotating nipple	1/8″- 8 mm	1
24	55307230	Overload hose	1230 mm	1
25	55307520	Banjobolt		1
26	55307510	Controlarm		1
27	30241	Adjustmentbar for wood length		1
28	30238	Adjustment bar for wood lenght		1
29	30408	Lockning screw for stopper		1
30	30407	Stopper		1
31	30208	Wood length adjusment		1
32	30111	Bracket 1		1
33	30109	Bracket for woodropper		1
34	30117	Dropflap		1
35	90154	Flange bearing		2
36	30209	Gap beam for flange		1
37	30204	Handlebar		1
38	90155	Flange bearing		2
39	30202	Rotatingshaft for chainsaw flange		1
40	30224	Adjustment plate for lubrication		1



Part	Order No.	Item	Note	Pcs.
41	30237	Wood rammer		1
42	90034	Grip	25 mm	1
43	30214	Bracket for wood rammer frame		1
44	30240	Middle beam for wood dropper		1
45	30203	Wood rammer frame		1
46	30110	Bracket 2		1
47	55307680	Countervalve	8 mm	2
48	30227	Lubrication hose	8/6 mm, 100 mm	1
49	30660	Lubrication hose	8/6 mm, 1220 mm	1
50	90024	Adjustment screw for chain	M6x45 DIN84	1
51	90190	Seal	1/4″	2
52	10681	Bearing		1
53	30239	Washer	M12	1
54	30155	Splitting valve guide plate 1		1
55	30156	Splitting valve guide plate 2		1
60	30210	Кеу	Jonsered	1

WOOD SPLITTER



WOOD SPLITTER

Part	Order no	Item	Note	Pcs.
1	55306630	Crossblade 4-section		1
2	30404	Adjustment handlebar for crossblade		1
3	30403	Middlebar for crossblade adjustment		1
4	30414	Crossblades adjustment		1
5	30413	Middleplate for crossblade adjustment		1
6	55307040	Feed table	fixed	1
7	55307380	Slideplate for piston		6
8	55307050	Splitpiston 36		1
9	90169	Spring		1
10	30637	Cylinder		1
11	30415	Limiter 2		1
12	30410	Locking pin		1
13	30415	Limiter 2		1
14	55307310	Feedingtable addition		1
15	200000659	Hinge 1		1
16	200000660	Hinge 2		1
17	30305	Feedingtable lock		1
18	90151	Spring		1
19	30418	Support sleeve		1

SHAFT AND LOADERS, ACCESSORY



SHAFT AND LOADERS, ACCESSORY

Part	Order no	Item	Note	Pcs.
1	30512	Beam with wide roll	286 mm	1
	30511	Beam with narrow roll	275 mm	1
2	55308060	Lifter's arm	accessory	2
3	30503	Lifter's midbeam	accessory	1
4	55307060	Hook	accessory	1
5	30505	Lock		1
6	30507	Support		1
7	30508	Rubber roll, wide	286 mm	1
	30513	Rubber roll, narrow	275 mm 3-os.	1
8	30303	Frame of support roll		1
9	55307260	Bearing unit		2
10	55307640	Support roll		1
11	90035	Cotter	5 mm	2
12	90039	Spacer ring	50x62x3.0	4
13	30104	Support leg		1
14	55307650	Cotter		1
15	30719	Bearing cover		2
16	30510	End plate		2
17	30509	Shaft		1

HYDRAULICS











HYDRAULICS

Part	Order no	Item	Note	PM	PM/TR	SM	SM/TR	TR
1	30637	Cylinder		1	1	1	1	1
2	30689	Valve		1	1	1	1	1
ŝ	30654	T-joint	3/4"	-	1	1	Ļ	1
4	90081	Countervalve		1	1	1	1	1
5	30601	Hydraulic oiltank		1	1	1	1	1
9	10901	Electric motor				1	1	
г	55307180	Pump				1	1	
`	30640	Pump		1	-			
8	10644 & 90058	Countervalve + ball			2		2	
6	10642	L-Joint	1/2"		-		-	
10	55307190	Hydraulicmotor		1	1	1	-	-
11	55307180	Tracktorpump			1		1	1
12	56025430	Gerotormotor		1	1	1	,	1
13	55306670	Chainsawvalve		-	1	1	-	-
14	30685	Relief valve		1	1	1	1	1
15	30609 & 30610	Filter, frame+filter		1	1	1	1	1
16	30657	T-Block	1"	1	1	1	1	1
17	30646	T-Joint	1/2"	1	1	1	1	1
18	30676	Hydraulslang / Hydraulic hose	3/4", 475 mm	1	1	1	1	1
19	30663	Hydraulic hose	1/2", 1660 mm	-	-	1	-	-
20	30611	Hydraulic hose	3/4", 1950 mm	1	1	1	1	1
21	30677	Hydraulic hose	1/2", 470 mm	1	1	1	1	1
22	55307690	Hydraulic hose	1/2", 2400 mm	1	1	1	1	1
23	30678	Hydraulic hose	1/2″, 850 mm	1	1	1	1	
24	30619	Hydraulic hose	1/2", 970 mm	1	l	1	1	1
25	30618	Hydraulic hose	1/2″, 830 mm	1	1	1	1	1
26	30617	Hydraulic hose	1/2″, 1680 mm	1	1	1	1	1
27	30627	Hydraulic hose	1/2″, 1150 mm	1	1	1	1	1
28	30679	Hydraulic hose	1/2", 460 mm		1		1	1

CONVEYOR



CONVEYOR

Part	Order no	Item	Note	Pcs.
1	200001432	Conveyor bracket		1
2	200001433	Conveyor support		1
3	200001434	Rubberplate		1
4	200001436	Support for lower end		1
5	200001437	Bottomplate of conveyor	drive side	1
6	200001438	Spring		2
7	200001439	First part of conveyor		1
8	200001440	Hinge lower left	lower left	1
9	200001441	Hinge	lower right	1
10	200001442	Support for bottomplate of conveyor		1
11	55306310	Drive drum		1
12	200001443	Bottomplate of conveyor	free side	1
13	200001444	Lock between first and endpart of conv	reyor (2 pcs.)	2
14	55307260	Bearing unit		1
15	200001445	Hinge	upper left	1
16	200001446	Hinge	upper right	1
17	200001447	Endpart of conveyor		1
18	200001448	Fastening for freedrum	drive side	1
19	200001449	Fastening for free drum	free side	1
20	200001450	Freedrum + bearings		1
21	200001451	Conveyor support		1
22	200001452	Connecting piece		1
23	200001453	Belt		1
24	200001454	Rake		10
25	56025430	Gerotormotor	250 cm ³	1
26	200001455	Adapter ring for motor		1
27	200001456	Doublenipple	1/2"-1/2"	2
28	200001457	Hydraulic hose	1/2", 1680 mm	1
29	200001458	Hydraulic hose	1/2", 2360 mm	1
30	200001459	Hydraulic hose	2000 mm	1
31	200001460	Banjobolt	1/4″	1
32	200001461	Seal	1/4	2
33	200001461	USIT Seal	USIT 1/2"	2

TRANSPORTATION BASE, ACCESSORY

NOTE! NOT FOR PUBLIC ROADS



TRANSPORTATION BASE, ACCESSORY

Part	Order no	Item	Note	Pcs.
1	10802	Wheeldisc + tire		2
2	10808	Coupling		1
3	30803	Pullbeam		1
4	10811	Nose wheel bracket		1
5	10809	Nose wheel		1
6	55307550	Axle	without brakes	1
7	10809	Light set		1
8	30812	Fastening for fender	right	1
9	10804	Fenders		2
10	30811	Fastening for fender	left	1
11	30802	Locking device for pullbeam		1
12	30810	Coupling spacer		1
13	30804	Front and back bracket for pullbeam		2
14	30805	Front bracket for pullbeam		1
15	30806	Rear bracket for pullbeam		1
16	30813	Fastening for pullbeam		2
17	30808	Underrun protection		1

TRANSPORTATION BASE, WITHOUT BRAKE, ACCESSORY



TRANSPORTATION BASE, WITHOUT BRAKE, ACCESSORY

Part	Order no	Item	Note	Pcs.
1	10802	Wheeldisc + tire		2
2	10808	Coupling		1
3	30803	Pullbeam		1
4	10811	Nose wheel bracket		1
5	10809	Nose wheel		1
6	55307550	Axle without brakes		1
7	30809	Harness		1
8	30812	Fastening for fender	right	1
9	10804	Fenders		2
10	30811	Fastening for fender	left	1
11	30802	Locking device for pullbeam		1
12	30810	Coupling spacer		1
13	30804	Front and rear bracket for pullbeam		2
14	30805	Front bracket for pullbeam		1
15	30806	Rear bracket for pullbeam		1
16	30813	Fastening for pull beam		2
17	30808	Underrun protection		1
18	30818	Rear light	left	1
19	30814	Rear light	right	1
20	30815	Reflector	yellow	4
21	30816	Reflector	white	2
22	30817	Registration plate light		1

TRANSPORTATION BASE WITH BRAKES, FOR PUBLIC ROADS (MOBIL), ACCESSORY



TRANSPORTATION BASE WITH BRAKES, FOR PUBLIC ROADS (MOBIL), ACCESSORY

Part	Order no	Item	Note	Pcs.
1	10802	Wheeldisc + tire		2
2	30824	Pullbeam	with brakes	1
3	10809	Nose wheel		1
4	30820	Axle	with brakes	1
5	30820	Harness		1
6	30812	Fastening for fender	right	1
7	10804	Fenders		2
8	30811	Fastening for fender	left	1
9	30802	Locking device for pullbeam		1
10	30821	Front and rear bracket for pullbeam		1
11	30805	Front bracket for pullbeam		1
12	30808	Underrun protection		1
13	30822	Rear light	left, with reversing light	1
14	30823	Rear light	right, with reversing light	1
15	30815	Reflector	yellow	4
16	30816	Reflector	white	2
17	30817	Registration plate light		1

ELECTRIC ENGINE



ELECTRIC ENGINE

Part	Order no	Item	Note	Pcs.
1	10901	Elecrical motor	380 V , 7,5 kW , 1500 rpm	1
	10902	Elecrical motor	220 V , 7,5 kW , 1500 rpm	1
2	10903	Starter	complete, 380 V	1
2	10904	Starter	complete, 220 V	1
3	30902	Bed for electric motor		1
4	55307180	Pump		1
5	10907	Flange for pump		1
6	10908	Coupling		1
7	90127	Pullremover	M32 x 1,5	2
8	10690	Key pump-motor		1
9	30901	Support for electornicbox		1
10	2711	Spindle	3/4"-25 mm	1
	30620	Hydraulic hose	1/2", 850 mm	1
	30621	Hydraulic hose	1/2", 850 mm	
12	30678	Hydraulic hose	1/2", 850 mm	1
13	90086	Doublenipple	3/4"-1/2"	1
14	10621	Seal	USIT 3/4"	2
15	90083	Doublenipple	1/2"-1/2"	4
16	10620	Seal	USIT 1/2"	5
17	30680	Suction hose	1/2", 270 mm	
	30681	Suction hose	1/2", 310 mm	1
18	90126	Tightener		1
19	30631	Suction hose	1″, 270 mm	1
20	30648	Nippel / Nipple	1/2"-1/2"	1
21	10644	Countervalve housing		1
22	30683	Hydraulic hose	1/2", 650 mm	1
23	90058	Countervalve ball		1

COMBUSTION ENGINE



COMBUSTION ENGINE

Davt	Order no	ltem	Nete	Р	Pcs	
Part			Note.	PM	PM/TR	
1	31003	Combustion engine	Honda, 13 hp	1	1	
	31005	Combustion engine	Honda, 13 hp, with	1	1	
	31007	Combustion engine	Subaru, 14 hp	1	1	
	31008	Combustion engine	Subaru, 14 hp,with electrical start	1	1	
2	30640	Hydraulic pump		1	1	
3	11005	Flange for pump		1	1	
4	10690	Key SNP2 pump/motor		1	1	
	55307140	Coupling	25,4 mm, Subaru	1	1	
5	31004	Coupling	25 mm, Honda	1	1	
6	200001429	Bed for compustion engine		1	1	
_	90196	Spark plug	Subaru	1	1	
	90175	Spark plug	Honda	1	1	
	30673	Hydraulic hose	1/2", 850 mm		1	
8	30623	Hydraulic hose	1/2", 850 mm	1		
9	30678	Hydraulic hose	1/2", 850 mm	1	1	
10	90083	Doublenipple	1/2″-1/2″	2	4	
11	90085	Doublenipple	3/8"-1/2"	2	2	
12	10620	Seal	USIT 1/2"	2	5	
13	10622	Seal	USIT 3/8″	2	2	
1.4	30680	Suction hose	1/2", 270 mm	1		
14	30681	Suction hose	1/2", 310 mm		1	
15	30631	Suction hose	1″, 270 mm	1	1	
16	90126	Tightener		1	1	
17	90058	Countervalve ball			1	
18	90189	Bushing	1/2″	1	1	
19	30648	Nipple	1/2″-1/2″		1	
20	30683	Hydraulic hose	1/2", 650 mm		1	
21	10644	Countervalve housing			1	
22	31009	Middleplate		1	1	
23	11009	Battery	accessory	1	1	
24	31002	Battery rack	accessory	1	1	
25	31006	Battery bracket	accessory	1	1	

CROSSBLADE, ACCESSORY



Part	Order No.	ltem	Note	Pcs.
1	55306415	Crossblade	6-section, accessory	1
2	30419	Crossblade	8-section, accessory	1

SPLITTING BLADE, 0/2-SECTION, ACCESSORY

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Part	Order no	ltem	Note	Pcs.
1	30420	Splitting blade	0/2-section, accessory	1
MASTERSPLIT WP36

OIL COOLER, ACCESSORY



Part	Order No.	Item	Note	Pcs.
1	90214	Oil cooler		1
2	90215	Fastening		1
3	90213	Angle fitting	3/4″	2
4	30611	Hydraulic hose	3/4″	1
5	30694	Hydraulic hose	1480 mm	1
6	90237	Thermostat		1

MASTERSPLIT WP36

LOG DECK, ACCESSORY





Part	Order No.	Item	Note	Pcs.
1	30104	Support leg		4
2	32701	Frame		2
3	32702	Support		3
4	32703	Stopper		2
5	32704	Stopper		2
6	55307650	Cotter		4

FEEDING ROLLER, ACCESSORY



Part	Order No.	Item	Note	Pcs.
1	33504	Feeding roller, wide		1
	33501	Feeding roller, narrow		1
2	30695	Gerotormotor	315 cm ³	1
3	55307260	Bearing unit		1
4	30719	Bearing cover		1
5	30696	Hydraulic hose	1/2", 2350 mm	1
6	30696	Hydraulic hose	1/2", 2350 mm	1
7	90083	Double fitting	1/2"-1/2"	1
8	90081	Counter valve		1
9	10620	USIT seal	1/2″	2
10	30697	Hydraulic hose	2500 mm	1
11	55307520	Banjo bolt	1/4″	1
12	90190	Seal	1/4″	2

STARTER SCHEMATIC DIAGRAM



WARRANTY

Farmi Forest Oy grants a 12-month warranty on all of its products, covering material and manufacturing faults. The warranty comes into effect on the product's delivery date.

The manufacturer is not liable for damages caused by:

- misuse of the product
- alterations or repairs made without the manufacturer's permission
- insufficient maintenance
- non-original parts

The warranty does not cover wearing parts.

Send faulty parts, carriage paid, to the manufacturer for inspection. Repairs will be conducted by Farmi Forest Oy or an authorized expert. The warranty is valid only if the bottom part of this page is filled in and returned to the manufacturer within 14 days of receipt of the product.

By returning the warranty certificate, you confirm that you have read and understood the instruction manual that came with the product.





Farmi Forest Corporation Ahmolantie 6 FIN-74510 IISALMI FINLAND

PRODUCT REGISTRATION FORM

Date of delivery:/	′20		
Dealer:			
Dealer's address:			
Dealer's tel:			
Product and type:			
Serial number:		 	

Return to the manufacturer

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