



SILAGE DISTRIBUTOR USER'S MANUAL

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PRESERVE THE LIFE OF YOUR MACHINES

1- take 10 minutes to:

- read attentively the manual**
- lubrication**
- regulating the material**

You will prevent the refraction non guaranty, and you will realize a best quality of work. The guaranty is valid for the manufacturing faults, but it doesn't cover the utilization faults which are caused because of not respecting the information formulated in this manual.

2- 25 km/h **ATTENTION** the maximum speed authorized for a tractor with a portable or trained material is 25 km/h. A tractor is not authorized to move in 40 km/h speed, only when it's empty.

To move in 40 km/h with a portable or traileed machine is an infraction. If the material is deteriorated in moving in 40 km/h, the deterioration isn't covered by the guaranty or by the insurances.

THE ROAD HOMOLOGATION

If you use this machine to transport in roads, you have necessarily command it with the option "**KIT HOMOLOGATION**"

3- Don't forget to do cleanings and lubrications as indicated in the manual, also make the regular verification of the tightness of the screws, especially at the beginning of the utilization.

4- Make imperatively turn the power input towards the **suggested speed** (540 rev/min or 1000 rev/min)

BEFORE ALL MOVEMENT

5- Never modify the rotation speed during the work.

Ex: Difficult passages or end of the roads. Change the gear but not the impulse.

6- Use generally the power input in the indicated revolution, if you will modify the revolution, you will provoke and accelerated corrosion of your materials.

Dear User,

You have just acquired a FIMAKS silage distributor and we congratulate you for your choice. This is a professional device, designed and realized with a big care. Today, you are the master of its performances and its longevity. Read attentively this manual and follow the utilization and maintenance recommendations, your trust in our product will always be rewarded.

This utilization and maintenance manual puts together for your attention information which will let you:

- to know well your **DISTRIBUTER** and also to benefit totally and in the best conditions of utilization, of the all the technical perfections that it possesses.
- to obtain permanently an optimum operation with a simple but precise observation of the recommendation of the utilization and maintenance.
- to face, not losing excessive time, in being incidents. The instants that you will spare to read this manual will be largely rewarded with the information that you will learn of it and with the technical details that you will discover.

The service FIMAKS

- the service starts in delivery. Make the inventory of the received boxes; to be sure that they dispose the indispensable accessories for the machine are delivered.
- your sale point FIMAKS is your privileged interlocation. It is specially formed to help you in using correctly your DISTRIBUTER. There are specialized technicians to help you to resolve the most delicate problems.
- the service is also the guaranty to obtain quickly your detachable parts. At this point FIMAKS pays utmost attention to deliver them to his customers within the soonest period of time.

GUARANTY

The purchase of this machine is carried out on the acceptance of the general conditions of sales registered on the purchase order which generated this machine's delivery by the 2 parties. It is moreover has to be specified that obviously all the conditions and recommendations registered in this instruction manual must to be scrupulously respected. The non respect of one of the information of utilization or maintenance will instantaneously cancel the entire guaranty.

Important: no one can use the machine without preliminary reading this manual. The purchaser must judge preliminary if the person who uses the machine has a technical training and sufficient mechanical knowledge to understand the operation of the machine and to appreciate her use. No other people other than the professionals for the use of this machine must use it. The purchaser being a professional has only the capacity to appreciate before the purchase of the material to evaluate if it corresponds with utilization (power, conditions, functions, etc.)of the

work which they will have to carry out, the technical-commercial of FIMAKS don't move on the work place and it is impossible for them to judge the adaptability.

Each new product constructed by FIMAKS is guaranteed according to the terms below, against the defects of construction and/or assembly of materials when it is used correctly throughout duration of 1 year. This guaranty does not apply to the elements **quoted in article 4**. When a particular problem occurs, the defective parts will be the subject of a return to the supplier for expertise.

1° This guaranty is limited with the replacement of the parts which, throughout one 1 year starting from the date of purchase, were assembled and recognized defective by FIMAKS.

2° All the parts required in guaranty must be returned to FIMAKS for inspection, repair or replacement in port paid with the proof of purchase of the machine, and have to be carefully packed in order to allow their protection.

3° the machine should not be damaged repaired or maintained by a person who is not authorized by FIMAKS. The machine should not be broken, be misused, mistreated or used against to the instructions that contains this manual.

4° The parts below are expressly excluded from the guaranty which constitute elements of the use which can be more or less fast according to the utilization (speed, ground, maintenance, etc....): **Oil, flexible hydraulics, jacks, wheels transmission, belts, all parts rubber and pneumatic and electrical circuit, all the protections such as covers, sheets as well as the bearings, knives, hammers, shoes, all parts which use in part their function. And all parts which by their design can be used on other materials.**

5° the guarantee cases and co. FIMAKS is released of any responsibility:

- If a mechanical or hydraulic component was open or if the identification plate is disappeared or was made illegible.

- If the machine was used with a tractor which assures a power higher or lower than the indications.

- If draining of the parts containing oils were not carried out in the 10th first hour with the exclusive use of the FIMAKS oil which reference is indicated in the manual and if these following draining were not carried out at the end of 100 hours.

- If there is an incompatibility of adaptation of the material with the carrying vehicle.

- When the damages are because of negligence (ex: pollution of the hydraulic system, in bad use, in, even momentary, overload, or in the inexperience of the user. The spare parts and separated pieces profit from the guaranty only if they are assembled on a machine which is still under the guaranty and until the expiry date of this latter.

NO OTHER GUARANTY WILL BE APPLICABLE TO THIS MACHINE EXCEPT THE LEGAL GUARANTY FOR VICE CACHE.

FIMAKS WOULD NOT TO BE HELD RESPONSIBLE FOR THE DAMAGES OR EXPENSES CAUSED BY THE MACHINE, FOR EXAMPLE:

- EXPENSES OF RENT OF A MATERIAL

- LOSS OF THE SALES TURNOVER

- EXECUTION OF THE WORK IS ABNORMALLY CARRIED OUT BY THE MACHINE

FIMAKS does not assume any obligation and does not authorize anybody to assume other than the those which are mentioned in the 5 preceding paragraphs.

1) IDENTIFICATION

The manufacturer plates makes possible to identify the model and the serial number of the machine. This plate is on the body of the machine. We invite you to follow the information below which are reproduced on the plate of identification of the distributor. You will thus dispose all the necessary information in condition that they would be asked to you by the technician of FIMAKS.



| | |
|--|----------------------|
|  FIMAKS Agricultural Machines | |
| Karacabey / BURSA TÜRKİYE | |
| Tel. +90.224.662 37 43 Fax. +90.224.662 37 47 | |
| Machine Type | <input type="text"/> |
| Serial Numbar | <input type="text"/> |
| Date | <input type="text"/> |
| Weight | <input type="text"/> |
|  | |
| www.fimaks.com | |

We invite you to follow the information below which are reproduced on the plate of identification of the distributor. You will thus dispose all the necessary information in condition that they would be asked to you by your base of proximity FIMAKS or by a technician of FIMAKS.

Type of the machine:

Serial No:

Year of the manufacture:

Weight of the material/kg

2) SECURITY RULES FOR UTILIZATION OF THE SILAGE DISTRIBUTER



This symbol is used in this manual each time for the recommendations relating to your safety, that of the others or the correct operation of the machine.

Transmit imperatively these recommendations to any user of the machine.

CONFORM UTILIZATION OF THE MACHINE

the distributer FIMAKS must be used only for work for which it was manufactured:

- To elevate in the silo of the ensiled fodder, loading, transport and distribution on the surfaces of the consumption.
- This machine is intended to work on the strictly private field. Never use on the public highway.

In case of a damage related to the utilization of the machine out of the framework of the applications specified by the manufacturer, the responsibility for this one will be entirely released.

All work other than the field of application of the machine will be done with the risks and dangers on behalf of the user.

The conform utilization of the machine also implies:

- The respect of the regulations of utilization and maintenance requested by the manufacturer.
- The exclusive utilization of the spare parts, equipments and accessories of origin FIMAKS. The distributer FIMAKS should be used, maintained and be repaired only by the qualified people, familiarized with the characteristics and modes of utilization of the machine. These people must also be informed of the dangers to which they could be exposed. The user is held responsible in scrupulously respecting the regulations in force about:

- Prevention against the accidents
 - Occupational safety (Fair labor standards act)

It is obligated for him to strictly observe the warnings affixed on the machine. Any modification of the machine which will be carried out by the user himself or any other person, without the

prior written agreement of FIMAKS will release the responsibility, for this one, for the damage which could result from it.

3) GENERAL PRESCRIPTIONS OF SECURITY

Before each use and each setting into service of this tractor-machine unit, make sure of its conformity with the regulation with the occupational safety.

3-1) General

1) In addition to the instructions contained in this manual, respect the legislation relating to the regulations of safety and prevention of the accidents.

2) The warnings affixed on the machine provide indications on the safety measures which are to be observed and contribute to avoid the accidents.

3) Before starting to work, the users have to familiarize himself with and the operation control units of the respective machine and their function. In the course of work it will be too late to do it.

4) the user must avoid wearing floating clothing which would be likely to be grabbed by the moving parts.

5) It is recommended to use a tractor equipped with a with safety cabinet.

6) Before starting up the machine and the work, control the immediate surroundings (children!). To make sure to have a sufficient visibility.

To move away any person or animal from the danger zone of the machine, projection risks
The machine should be used only by one person.

7) the transport of the people or animals on the machine ,at the time of work or at the time of the displacements, is strictly prohibited.

8) The coupling of the machine to the tractor should be done only on the attachment points designed for this purpose in accordance with the safety requirements in force.

9) At the time of the attachment and the detachment of the machine, to place the crutches in the designed position, the loading elements will be in resting position (arm in low position, re-entried shovel).

10) Prudence is required at the time of the attachment of the machine to the tractor and at the time of its detachment.

11) Before the attachment of the machine, it is suggested to make sure that the ballasting of the front axle of the tractor is sufficient. The installation of the weight clamps must be done on the supports designed for this purpose in accordance with the regulations of the manufacturer of the tractor. The load on the front axle of the tractor should not be lower than 20% of the tare weight of the tractor.

- 12) To respect the load with the maximum axle and the working total weight authorized when it is load.
- 13) All the remote controls (cord, cable, rod...) must be positioned so that they cannot accidentally start a generating operation assuring a risk of accident or damage.
- 14) Never leave the driver's cab when the tractor is moving.
- 15) The speed and the mode of controls must always be adapted to the grounds, roads and ways. In any circumstances, avoid the abrupt changes of direction.
- 16) **Attention!** At the time of operations of the loading elements (arm, shovel), make sure that an intentional contact with a powerline don't take place.
- 17) **Attention!** Never park close of the chute of unloading during the operation of the machine.
- 18) In case of cut or of wound to put in contact with the products contained in the machine, immediately disinfect in order to avoid all risks of infection.
- 19) The precision of the direction, the adherence of the tractor, the handling and the effectiveness of the screw-locking devices are influenced by the factors such as: the weight and the nature of the attached machine, ballasting of the front axle, the state of the ground or the roadway. It is thus imperative to take care of the conformity with the rules of prudence dictated by each situation.
- 20) To redouble the prudence on the curves by being sure of the overhang, length, height and weight of the machine.
- 21) Before any use of the machine, make sure that all the safety devices are in their place and in good condition. The damaged protecting must be immediately replaced.
- 22) Before each use of the machine, control the tightening of the screws and the nuts, particularly those which fix the tools (teeth, forks, blades, and bars of carpet.). To tighten them if necessary. Also control the tension of the circulating chains and the dragging chains. Re-tighten them if necessary.
- 23) Not to park in the working area of the machine.
- 24) **Attention!** Zones of crushing and shearing can exist on the bodies ordered remotely, particularly in those controlled hydraulically.
- 25) Before descending from the tractor, or before any intervention on the machine, STOP the engine, withdraw the ignition key and await the complete stop of all the moving parts.
- 26) Not to park between the tractor and the machine without tightening the parking brake before and/or without placing holds under the wheels.

27) Before any intervention on the machine, make sure that this one cannot be started accidentally.

28) Not to use the loading elements (arm, shovel) like lifting gear. Not to climb on these elements.

4) CONNECTION TO THE TRACTOR

1) At the time of the attachment of the machine to the tractor or its detachment, place the control lever of the hydraulic leverage in a position such as all the entry in action of the leverage cannot intervene in an unexpected way.

2) At the time of the attachment of the machine to the 3 points hitch system of the tractor, make sure that the diameters of the pins or pivots correspond well with the diameter of the kneecaps of the tractor.

3) **Attention!** In the zone of 3 point hitch, there are risks of crushing and shearing.

4) not to place between the tractor and the machine at the time of the operation of the control lever external of the leverage.

5) In transport, the machine must be stabilized by the ties of rigidification of the leverage to avoid any undulation and side clearance.

6) At the time of the transport of the machine in raised position, lock the control lever of the leverage.

5) HYDRAULIC CIRCUIT

1) Attention! The hydraulic system is under pressure.

2) At the time of the assembly of jacks or hydraulic engines, take care attentively of the correct connection of the circuits, in conformance with the directives.

3) Before connecting a flexible device with the hydraulic system of the tractor, make sure that the circuits at the side of the tractor and at the side machine are not under pressure.

4) Control regularly the hydraulic flexible devices! The damaged or used flexible devices must immediately be replaced. At the time of the replacement of a hydraulic flexible device, make sure to use only flexible devices assuring the characteristics and quality prescribed by FIMAKS.

5) At the time of the localization of a leak, it is suggested to take all the precautions aiming at avoiding the accidents.

6) All the liquid under pressure, particularly the oil of the hydraulic systems, can perforate the skin and cause serious injuries! In case of injury, consult immediately a doctor. There is the danger of infection.

7) Before any intervention on the hydraulic system, lower the machine, close down the stems of the jacks and the shovel, stop the engine, put the circuit out pressure and withdraw the ignition key.

8) Never modify the order of the commands nor the direction of the movements of the hydraulic system.

6) MAINTENANCE

1) Before all work of maintenance or repair, even at the time of the research of the origin of a breakdown or an accident of operation, it is imperatively necessary that the power source has to be disconnected, that the engine has to be stopped, the ignition key has to be withdrawn and the machine has to be resting on the ground.

2) Regularly control the tightening of the screws and the nuts. To tighten them if necessary!

3) Before carrying out maintenance work on a machine in raised position, support the machine by using a suitable method.

4) At the time of the replacement of a working part, put on protective gloves and use only the suitable tools.

5) For the environmental protection, it is forbidden to throw or pour oils, greases and filters in any kind. They have to be delivered to the specialized companies of recovery.

6) The safety devices likely to be exposed to corrosion must be controlled regularly. They have to be immediately replaced if they are damaged.

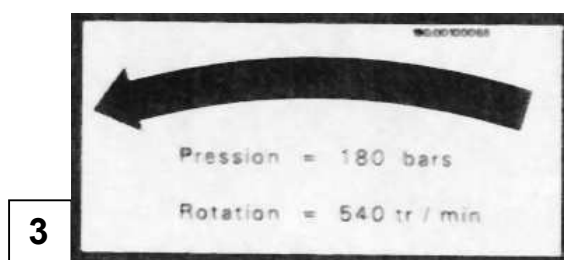
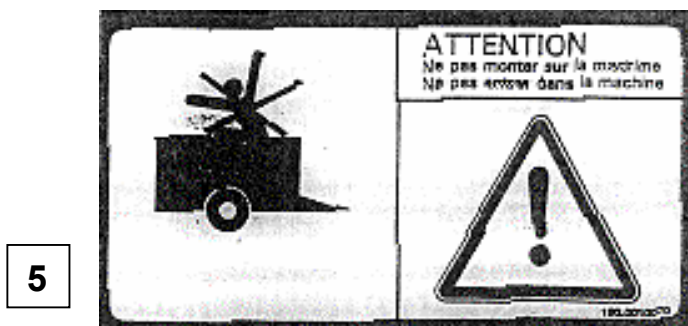
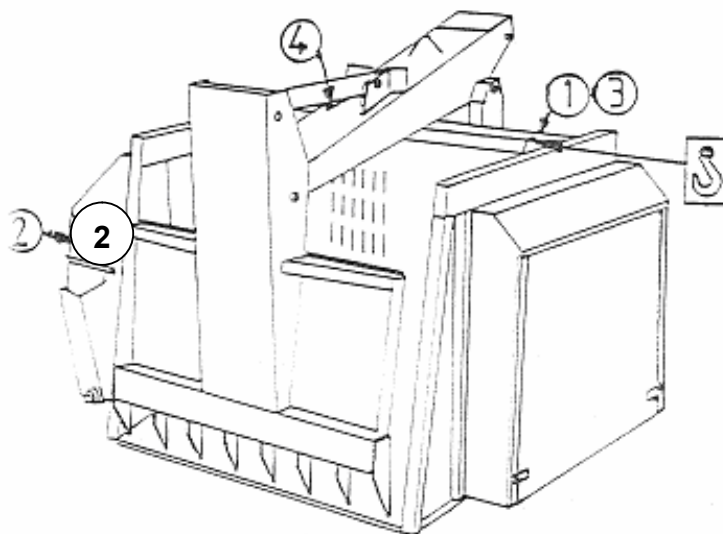
7) The spare parts must cover the standards and characteristics defined by FIMAKS. Use only spare parts of FIMAKS.

8) Before undertaking the work of electric welding on the tractor or the attached machine, disconnect the cables of the alternator and the battery.

9) repairements affecting the bodies under tension or pressure (springs, accumulators of pressure, etc...) imply a sufficient qualification and they need tools in accordance with the regulations; also they should be carried out only by a qualified personnel.

7) SECURITY LABELS

Adhesive labels as represented hereafter, were placed on your machine. Their goal is to contribute to your safety and that of others by assuring the correct operation of the machine. See their contents and control their placements. Re-examine the labels as well as the instructions contained in the utilization manual with the operator of the machine. Keep the labels clean and readable. Replace them when they are deteriorated.



8) TECHNICAL CHARACTERISTICS AND DIMENSIONS

Distributor carried with 3 points, semi-automatic attachment.

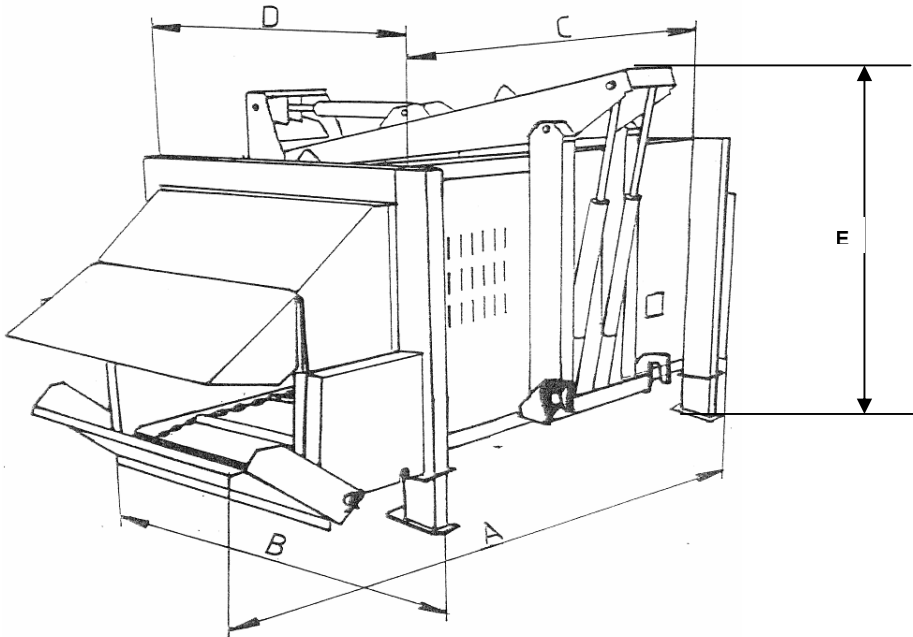
Hydraulic drive of the device of loading and the system of distribution

Characteristics

* JET DISTRI 2000

| | |
|--|----------------------------|
| Overall width (in m) (A) | 2,20 |
| Overall length machine on the ground (in m) (B) | 1,50 |
| Overall height (in m) (E) | 1,65 |
| Interior Width of the case (in m) | 1,48 |
| Interior Length of the case (in m) | 1,12 |
| Height of the silo recov (in m) | 3,20 |
| Capacity (in m3) | 1,80 |
| Weights when empty (in kg) | 625 |
| Required tractor Pressure (in bar) | max 180 |
| Minimum capacity of the tractor (in 1/mn) | 25in pression of 180 bars |
| Maximum capacity of the tractor (in 1/mn) | 45 in pression of 180 bars |

* Always proud of developing his productions, FIMAKS reserve his right to modify without notification the characteristics of the materials presented in this document.



9) DEFINITION

The distributor FIMAKS is designed to be attached and induced by an agricultural tractor. His function is to elevate to the silo of the stored feed. The load, transportation and the distribution must be performed on the consumption areas

10) LIFTING THE MACHINE

To elevate or descend, a distributor from a platform, in total security, it is necessary to use an equipment of leverage confirmed and assuring the sufficient power of Leverage (the weight of the machines are indicated in page 7).



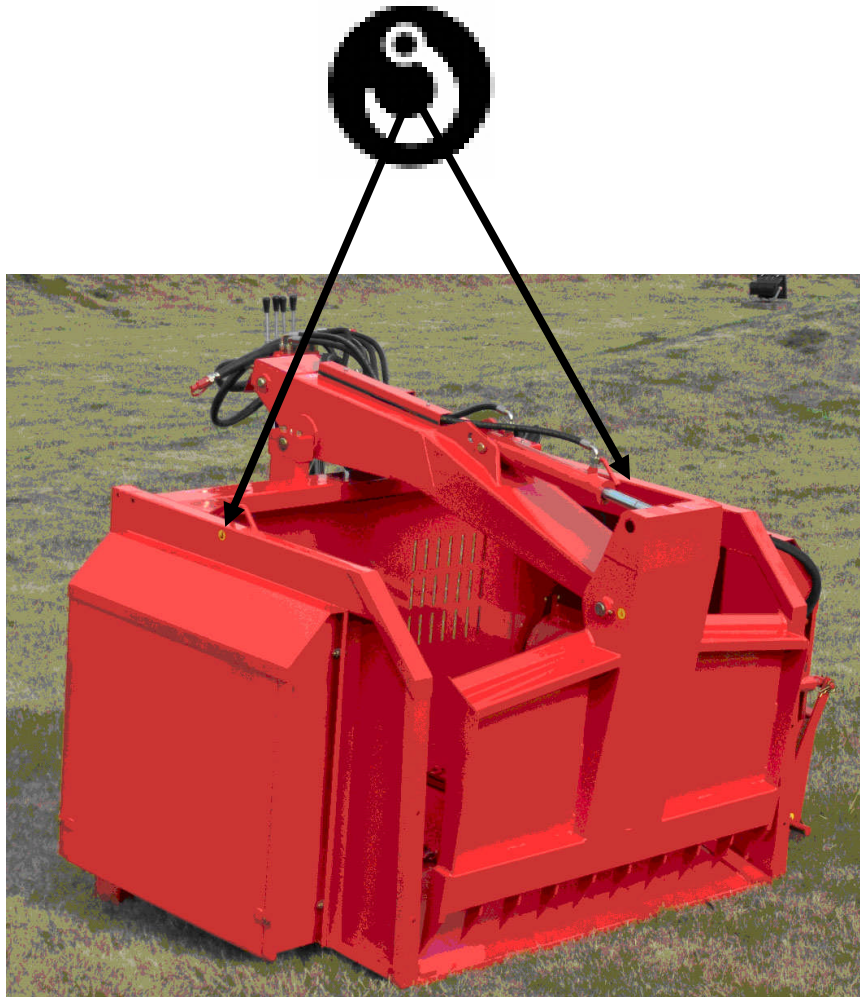
Attention!

The chains must be in good condition, and they have to assure a load Capacity sufficient for the necessary utilization.



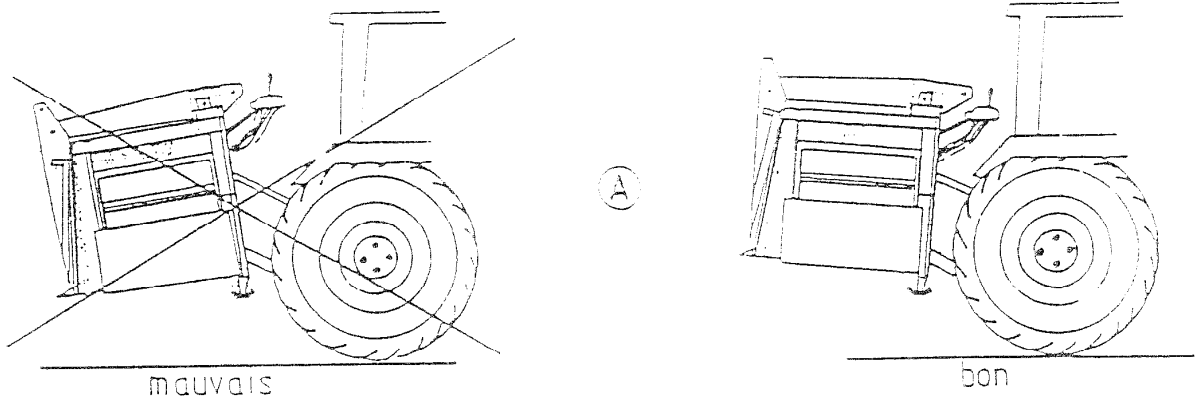
Attention!

The distributors must never be elevated with to the assistance of a lift.

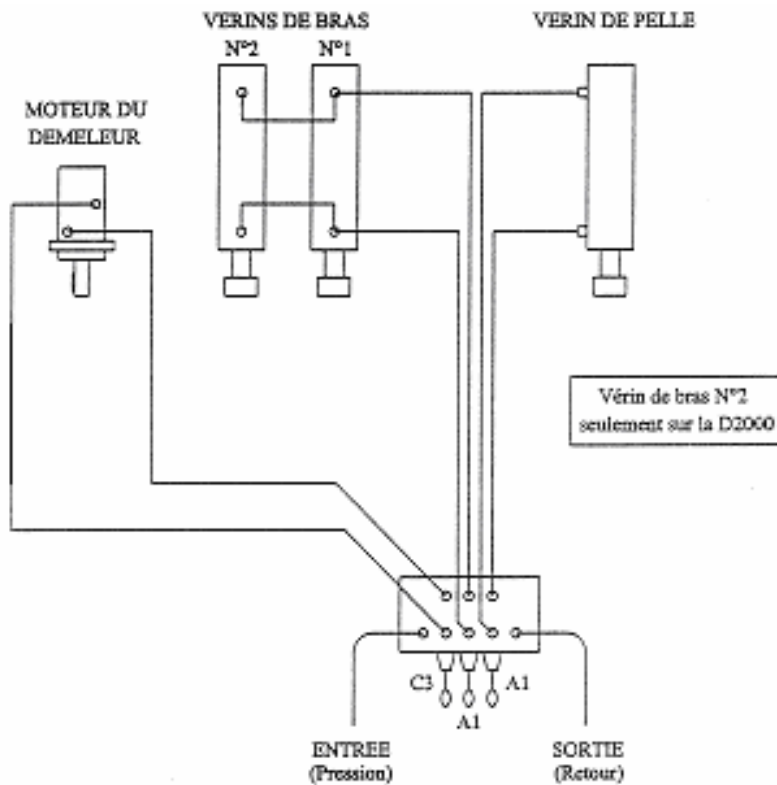


11) CONTROL BEFORE STARTING

- Hydraulic Connections: attention to the connection of the flexible of the entry (pressure) and of the exit(return)
- On the distributor: IN = Entry (P) OUT = Exit (T or R) (see the diFIMAKS of The assembling of the hydraulic distributor, page 16-17)
- correct Attachment (see figure A).
- tightening and lubricating the different elements.
- Flexible Hydraulics.
- Tension of the chains.

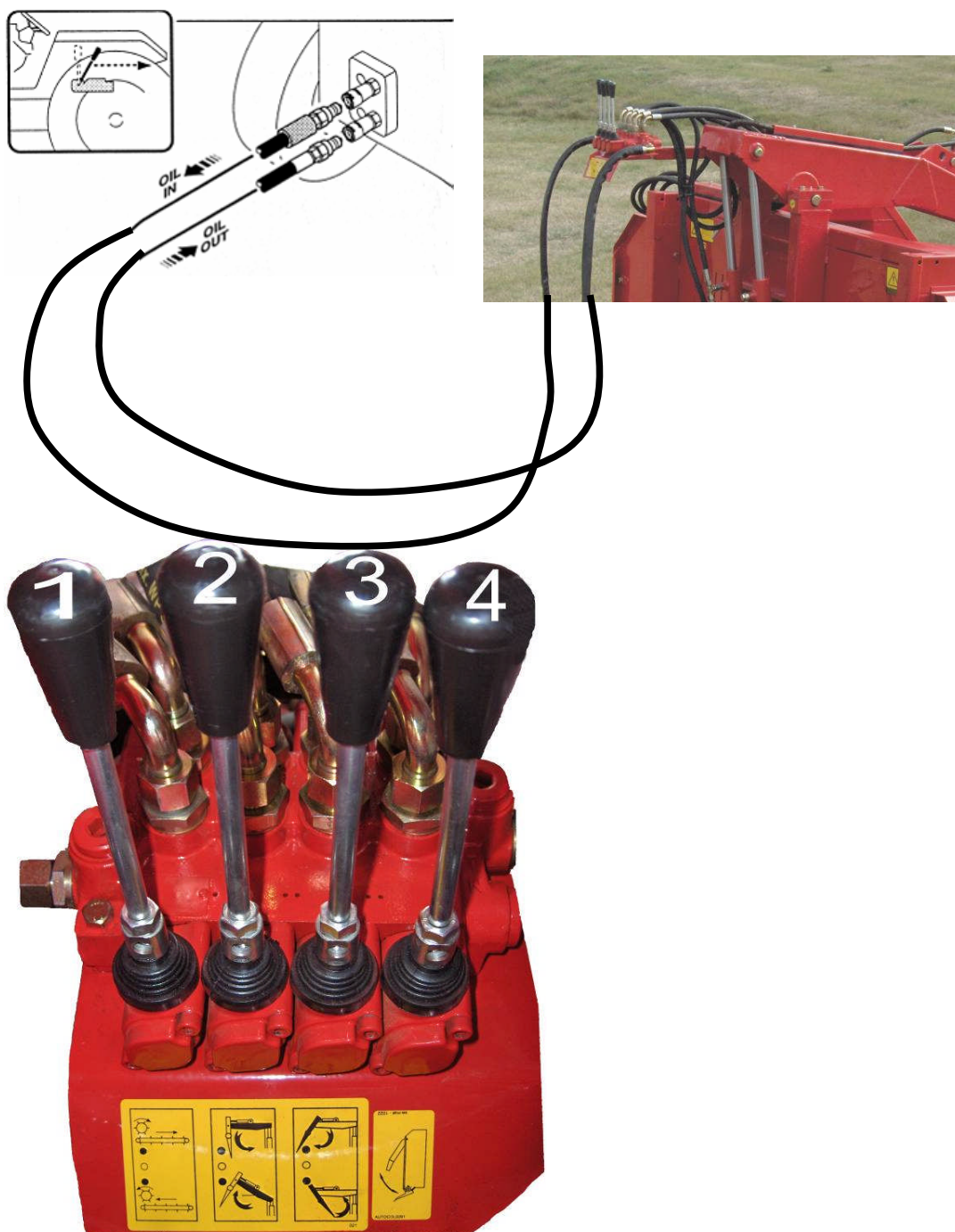


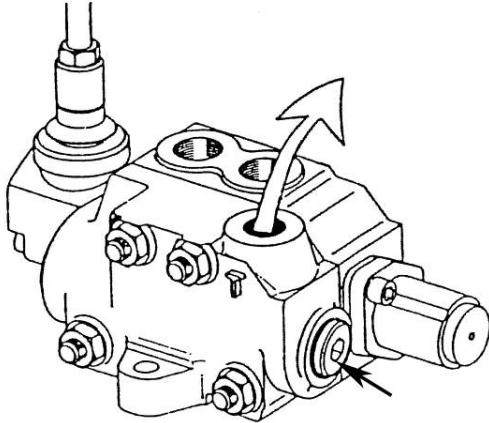
12) HYDRAULIC CIRCUIT



The distributor THROW DISTRI 2000 FIMAKS is equipped with an origin of independent hydraulic distributors to the tractor which is commanded by electrovalves. This circuit needs only an alimentation with a return.

The flexible pipes of refilling (OIL IN) and (OIL OUT) distribution of the distributor must be coupled with the distributor tractor equipped with a simple effect assuming the only the return.





For adaptation of the hydraulic circuit with closed center

- Unscrew the cork indicated by the arrow.
- Insert the cork 1/4" with the assistance of the key with six sections.

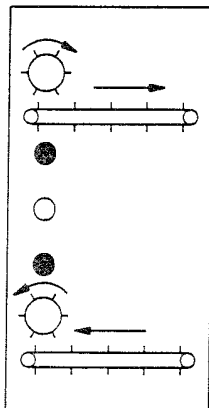
And put back the cork 3/8

Entry of the hydraulic circuit

Return of the hydraulic circuit

(Flexible of the biggest section other than the entry)

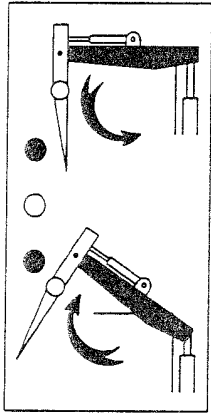
12-2) Descriptions of the commands



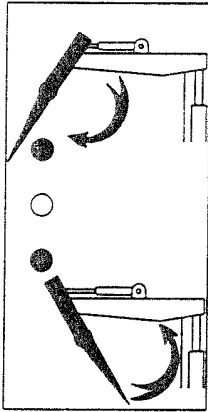
1. The spring rotation and the chain of the distribution

The first lever in left

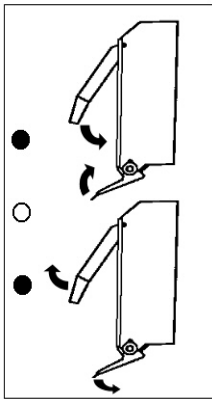
By pulling the lever, the chain turns in the direction of the distribution. By pushing the lever, the chain turns in the opposite direction.



2. Opening and closing the arm. Second lever from the left. By pulling the lever the arm elevates. By pushing the lever the arm descends



3. Opening and closing the peels. Third lever from the left. By pulling the lever, the peel closes itself towards to the interior of the body. By pushing the lever, the peel opens itself towards to the exterior of the body.



4. Opening and closing of the trap. Fourth lever from the left. By pulling the lever the trap opens. By pushing the lever the trap closes.

13) CHECKING WHEN EMPTY

13-1) Precaution to take while checking empty.



- Do not park in the working area of the machine.
- Before starting up, the users have to learn how to use the different parts of command and function of the machine. During the function, it will be too late to do it.
- Before starting up the machine and the work, control the immediate surroundings (children!).
- Make sure that you have a sufficient vision.
- Send away from the danger zone of the machine every person or animal.

13-2) Operational mode

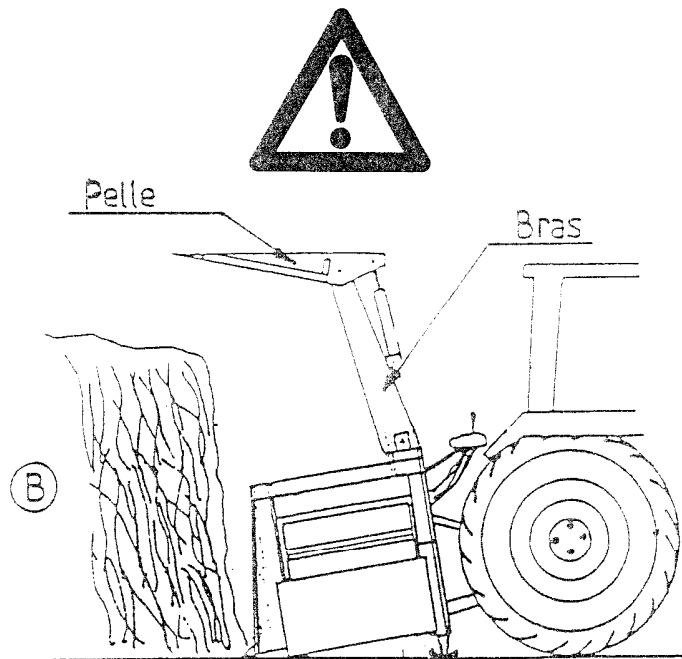
- Try each of the commands (arm, peel, spare parts) in two directions
- Make sure the stability of the hydraulic circuit.

14)- FUNCTIONING

- The machine has to be used only by one person
- **Attention!** During the function of the charge elements (arm, peel), you have to make sure that there is no contact with an electrical line.
- Never park close of the chute of unloading during the operation of the machine

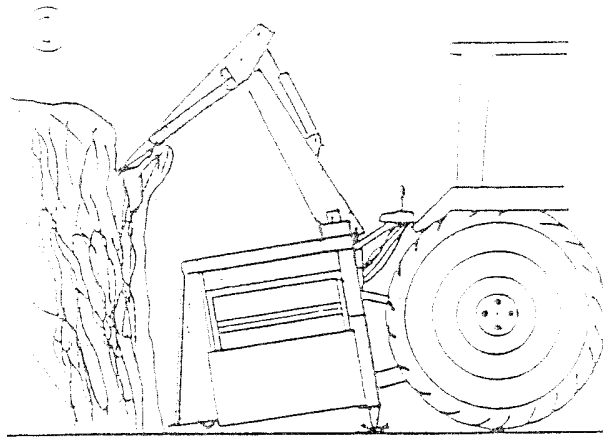
14-1) Arriving to silo

- Raise the arm and the peels to have a good vision
- Descend the machine to the closest level to the ground in order to block it in the silo.
- Retract the machine in the silo. Noting the to enter by using force
- In case of a silo corridor, position the machine lightly in bias for the reason to load by the nearest way possible by the wall (see the picture B)

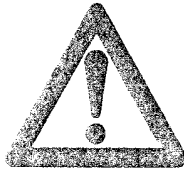


14-2 Loading

- Descent the machine. It has to stay on its 2 wheels of the front and on its back clog.
- Work the hydraulic circuit of the tractor.
- From the cabin position the peel to take the crop. Make sure that the angle of the peel is correct. Never attack the silo with the plain pee (see picture C).
- begin the attack of the silo always from the top, never from the bottom. (Crumbling risk)
- Descent in the ensilage by playing on the arm of the peel with small successive blows in order not to shake the silo.
- Make the ensilage enter into the body only with the help of the peel (the jack valve follows it automatically)
- take out with the help of the arm and restart the operation.
- Every 2 or 3 shoveled pass the load towards the front from the back.
- After the complete charge, leave the peels in the entry of the dumpster.



14-3) Transportation



- The transport of the people or animals on the machine, at the time of work or at the time of the displacements, is strictly prohibited.
- The speed and the mode of controls must always be adapted to the grounds, roads and ways. In any circumstances, avoid the abrupt changes of direction.
- . The precision of the direction, the adherence of the tractor, the handling and the effectiveness of the screw-locking devices are influenced by the factors such as: the weight and the nature of the attached machine, ballasting of the front axle, the state of the ground or the roadway.

14-4 Distribution

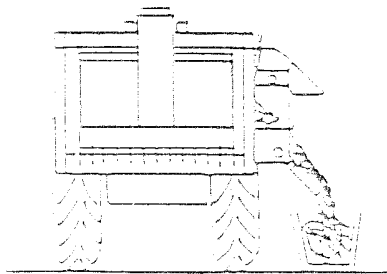


Before descending from tractor and before all the intervention about the machine, put the machine to the ground, stop the motor, withdraw the contact key and await the complete stop of all the pieces in movement.

- To make the transport put the distributor in high position.
- Open the lateral door so that the crop be well holded to the ground or in a trough (see picture D).

- Put in road the hydraulic of the tractor.
- Liberate lightly the back door so that the ensilage does not become too compact.
- The regulation of the capacity of the ensilage is obtained;
 - 1) With the movement speed of the tractor.
 - 2) Rotation speed of the rug and the spare.
- We can intervene on rotation speed while accelerating or slowing down the motor system of the tractor, because the hydraulic capacity change together with the motor system
- Regularity of the debit (see the picture D)

③



If by mistake the spare blocks, give inverse impulses of rotation to the spare.

ATTENTION! This function is dangerous. The notices of the security below are to be followed.



- Attention to the direction of the rotation of the spare by inverting the direction of the rotation. Make sure not to interfere the opposite panel towards the spare. A loaded machine which works continuously for a long time can be damaged seriously.
- Never try to grab the crop with your hands or with a device (Scratch etc...) at the time that the machine functions.
- Never climb on the machine or enter at the interior of the body at the time that the machine functions.
- Bring regularly the crop on the chain by pulling the peel.
- At the end of the distribution, put the arm and the peel in the back. Close the chute of the discharge after stopping the engine of the tractor.

15) DISCONNECTION

- Put the machine on the ground so that it will be stable.
- Before disconnecting the machine, stop the motor and withdraw the contact key
- Disconnect the flexible hydraulic of the entry (pressure) and of the exit (return)
- Remove the axis of the 3rd point and disengage the sprout connecting the rod between the 3rd point of the tractor and the 3rd point of the machine.
- Lower the lever of unscrewing of the low disconnections in order to disconnect the machine.

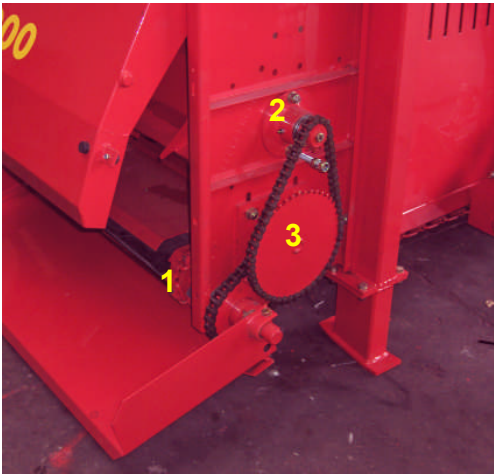
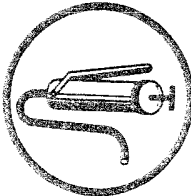
16) MAINTENANCE



- Before all work of maintenance or repair, even at the time of the research of the origin of a breakdown or an accident of operation, it is imperatively necessary that the catch of force has to be disconnected, that the engine has to be stopped, the ignition key has to be withdrawn and the machine has to be resting on the ground.
- Before carrying out maintenance work on a machine in raised position, support the machine by using a suitable method.
- At the time of the replacement of a working part, put on protective gloves and use only the suitable tools.
- For the environmental protection, it is forbidden to throw or pour oils, greases and filters in any kind. They have to be delivered to the specialized companies of recovery
- the safety devices likely to be exposed to a corrosion must be controlled regularly. They have to be immediately replaced if they are damaged.
- the spare parts must cover the standards and characteristics defined by FIMAKS. Use only spare parts of FIMAKS.
- Before undertaking the work of electric welding on the tractor or the attached machine, disconnect the cables of the alternator and the battery.
- Control regularly the tightening of the screws and the nuts. Tighten them if necessary.

17) LUBRICATING

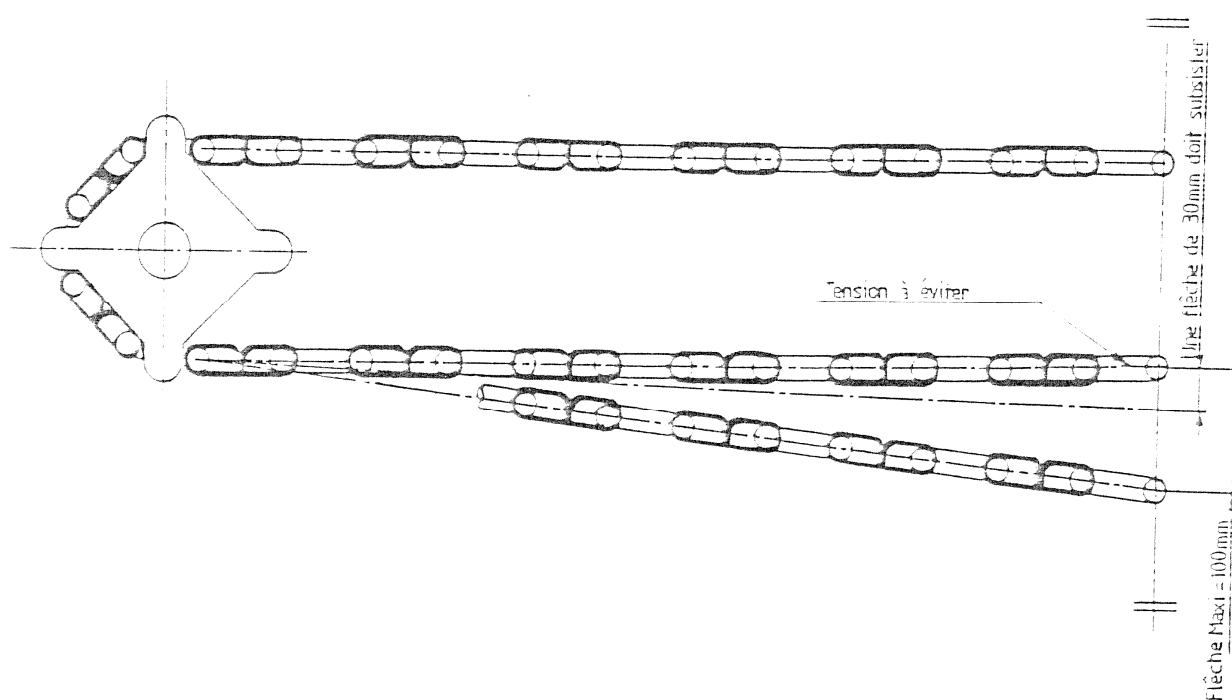
- Lubricate regularly (50 hours) all the articulations situated with lubricating.
- Lubricating are signaled with the self- adhesives, see the example below.

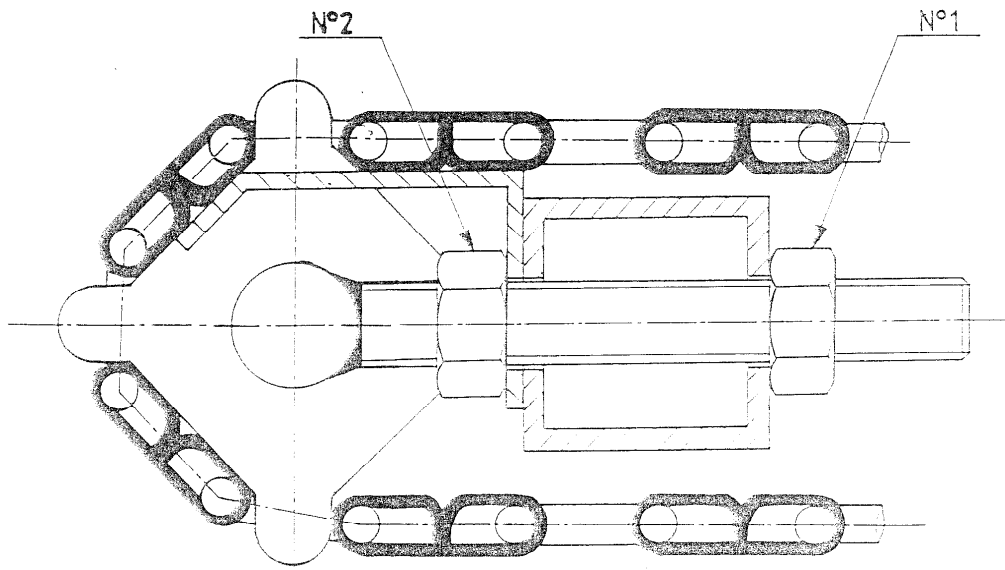


- 1-bearing on training tree of the carpet in number of 4
- 2- bearing on training tree of the spare to in number 2
- 3- intermediary bearing in number 1, 4 and 5
- axes of rotation of the jack valve of the distribution trap door.
- 6-7-8-9-10-11 axes of rotation for the placement in movement of the peels and the arm
- Lubricate periodically (25 hours) the axes of the intermediary gables, the bearings of the carpet trees, the bearing of the spare.

18) TENSION OF THE CIRCULATING CHAINS

- to verify in every 150 hours. If the arrow F surpasses 100 mm, tighten the chains.
- The strap is disposed on the machine of the opposite side to the spare.
- to Stretch the chains
- Lift the door
- Loosen the screw N°1 without removing it.
- Tighten the screw N°2, to the time that you obtain the desired tension.
- Re-block the screw N°1.
- Never stretch the chains till the end. An arrow F of 30 mm must be existed. (see the outlines in page 29-30)



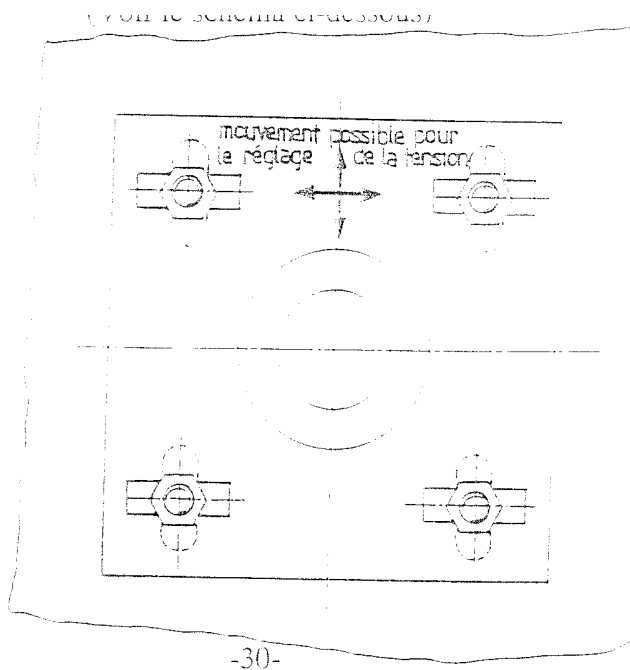


19) TENSION OF THE DRAGGING CHAINS

- Remove the protection crankcase to attain the intermediary bearing of tension (12) below.



- Loosen the 4 screws M12.
- Recover the game without immensely stretching the chain.
- Benefit in lubricating the chains. (See the outline below)



20) PARKING

-If the machine won't not be used for a long period, prepare it for the parking:

.-Clean the body (interior and exterior, under), the arm, and the peels, to the throw. Remove all accumulation of the product. Eventually, repaint the entire surface which assures the risk of rusting. Lubricate the floor of the body.

-Close jack valves in order to preserve them from humidity and dust.

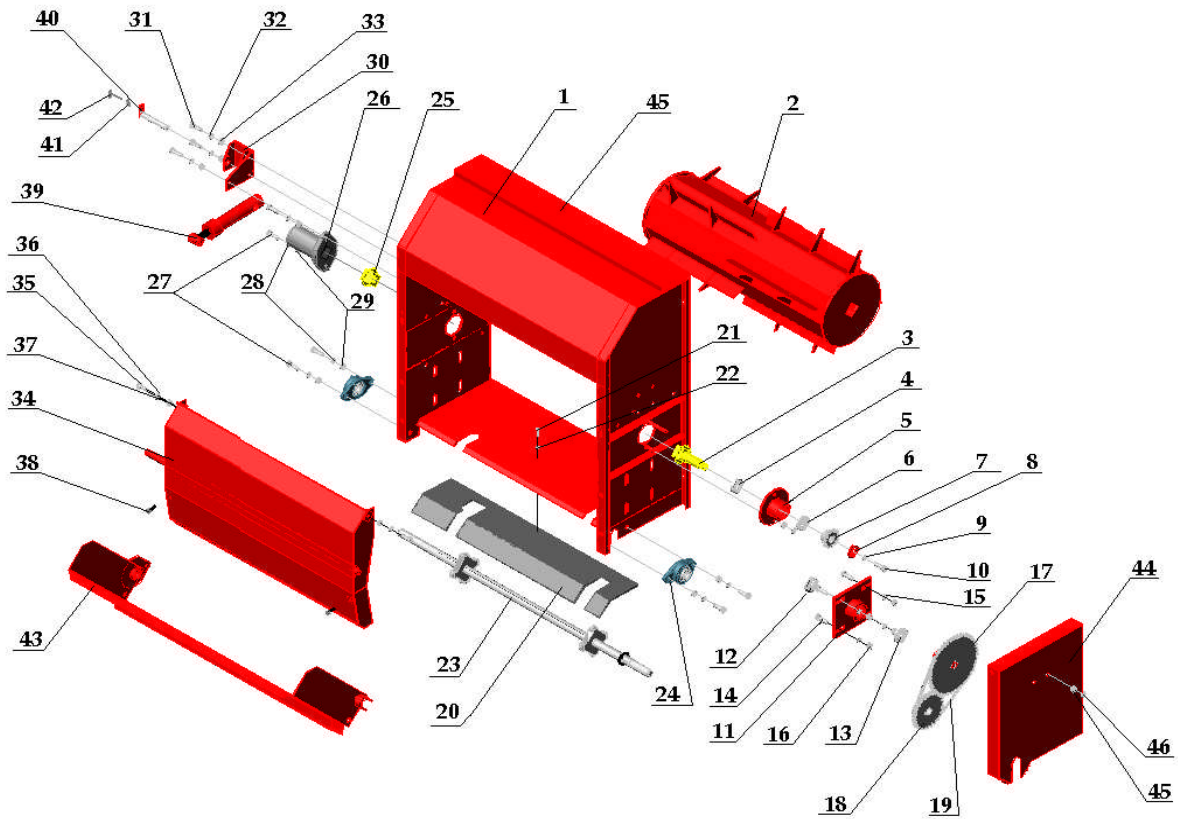
-Lubricate the training chains.

- Clean All the lubricating points and joints and re-lubricate them.

- Put your machine under a shelter, on wedge, in order to isolate it from the humidity of the ground.

- For the semi-portable machines, check the pneumatic pressure and the tightness of the tyres.

DISTRIBUTER UNIT

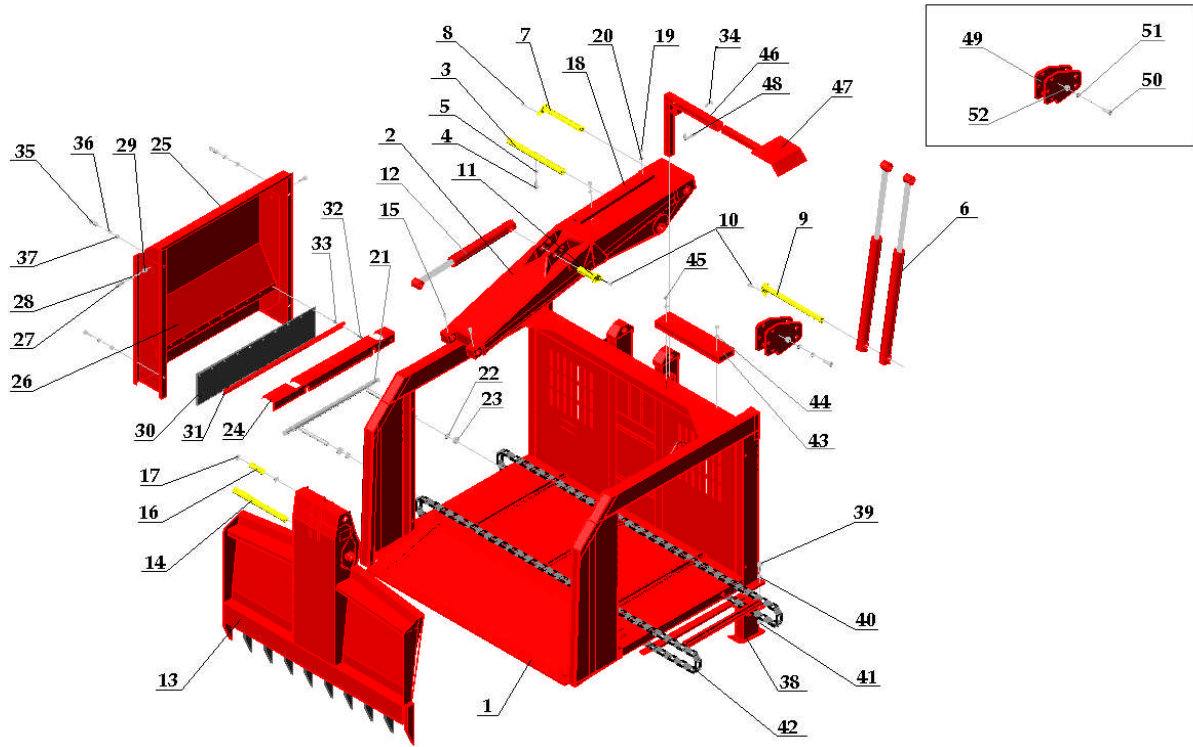


| Pos. | Qty | Description | Reference |
|------|-----|--|-----------------|
| 1 | 1 | Side Wall | 30.07.00.00.000 |
| 2 | 1 | Roller | 30.05.00.00.000 |
| 3 | 1 | Shaft | 30.05.00.00.006 |
| 4 | 1 | 6006 RS Bearing | 6006 RS |
| 5 | 1 | Gear Bed | 30.00.00.00.010 |
| 6 | 1 | 6006 RS Bearing | 6006 RS |
| 7 | 1 | Z12 Chain Gear 5/8" | 30.00.00.00.013 |
| 8 | 1 | Washer | 30.00.00.00.025 |
| 9 | 1 | M10 Washer | DIN 125 |
| 10 | 1 | M10x25 Bolt | DIN 601 |
| 11 | 1 | Tensioning Plate | 30.11.00.00.000 |
| 12 | 1 | 6006 2RS Bearing | 6006 2RS |
| 13 | 1 | 6006 2RS Bearing | 6006 2RS |
| 14 | 4 | M12x30 Bolt | DIN 601 |
| 15 | 4 | M12 Washer | DIN 125 |
| 16 | 4 | M12 Nylon Nut | DIN 934 |
| 17 | 1 | Transmission Gear Shaft | 30.00.00.00.012 |
| 18 | 1 | Z24 Chain Gear 3/4" | 30.00.00.00.016 |
| 19 | 1 | 10B - 1 Chain | DIN 8187 |
| 20 | 1 | Rubber | 30.07.00.00.011 |
| 21 | 5 | Cross Recessed Countersunk Head Screws M6x20 | DIN 965 |
| 22 | 5 | M6 Nylon Nut | DIN 934 |
| 23 | 1 | Chain Shaft | 30.00.00.00.024 |
| 24 | 2 | UCF-L 206 Bearing | UCF-L 206 |
| 25 | 1 | Square Tower | 30.05.00.00.007 |
| 26 | 1 | Hydromotor | 100HD.EPM 315 |
| 27 | 6 | M12x35 Bolt | DIN 601 |
| 28 | 6 | M12 Washer | DIN 125 |
| 29 | 6 | M12 Nylon Nut | DIN 934 |
| 30 | 1 | Complete Piston Connector | 30.10.00.00.000 |
| 31 | 3 | M10x25 Bolt | DIN 601 |
| 32 | 3 | M10 Washer | DIN 125 |
| 33 | 3 | M10 Nylon Nut | DIN 934 |
| 34 | 1 | Up Shield Complete | 30.07.01.00.000 |
| 35 | 2 | M10x35 Bolt | DIN 601 |

DISTRIBUTER UNIT

| | | | |
|----|---|----------------------|-----------------|
| 36 | 2 | M10 Washer | DIN 125 |
| 37 | 2 | M10 Nylon Nut | DIN 934 |
| 38 | 4 | Plastic Chock | 100TK. M6 |
| 39 | 1 | Cover Piston | HDRLK KMND 23 |
| 40 | 1 | Piston Connector Pin | 30.00.00.00.026 |
| 41 | 1 | M6 Washer | DIN 125 |
| 42 | 1 | M6x25 Bolt | DIN 601 |
| 43 | 1 | Down Shield Complete | 30.07.02.00.000 |
| 44 | 1 | Chain Guard | 30.00.00.00.004 |
| 45 | 1 | M12 Washer | DIN 125 |
| 46 | 1 | M12 Nylon Nut | DIN 934 |

BODY



| Pos. | Qty | Description | Reference |
|------|-----|------------------------------------|-----------------|
| 1 | 1 | Complete Body | 30.01.00.00.000 |
| 2 | 1 | Complete Upper Boom | 30.02.00.00.000 |
| 3 | 1 | Pin For Upper Boom | 30.00.00.00.017 |
| 4 | 1 | M12x30 Bolt | DIN 601 |
| 5 | 1 | M12 Washer | DIN 125 |
| 6 | 2 | Upper Boom Piston | HDRLK KMND 14 |
| 7 | 1 | Upper Boom Connector Pin | 30.00.00.00.018 |
| 8 | 1 | M8x15 Bolt | DIN 601 |
| 9 | 1 | Body - Piston Con. Pin | 30.00.00.00.019 |
| 10 | 2 | M8x15 Bolt | DIN 601 |
| 11 | 1 | Front Shield - Piston Conn. Pin | 30.00.00.00.020 |
| 12 | 1 | Piston | HDRLK KMND 13 |
| 13 | 1 | Complete Front Shield | 30.03.00.00.000 |
| 14 | 1 | Front Shield - Upper Boom Conn.Pin | 30.00.00.00.021 |
| 15 | 2 | M8x25 Bolt | DIN 601 |
| 16 | 1 | Piston Conn. Pin | 30.00.00.00.022 |
| 17 | 2 | Shaft Segment Ø30 | DIN 471 |
| 18 | 1 | U Sheet Metal | 30.00.00.00.007 |
| 19 | 2 | M6 Washer | DIN 125 |
| 20 | 2 | M6 Nut | DIN 934 |
| 21 | 1 | Chain Sheft | 30.00.00.00.023 |
| 22 | 4 | M20 Washer | DIN 125 |
| 23 | 4 | M20 Nut | DIN 934 |
| 24 | 1 | Chain Cover | 30.00.00.00.003 |
| 25 | 1 | Fixed Shield Out Body | 30.08.00.00.002 |
| 26 | 1 | Fixed Shield Body | 30.08.00.00.001 |
| 27 | 2 | M12x25 Bolt | DIN 601 |
| 28 | 2 | M12 Washer | DIN 125 |
| 29 | 2 | M12 Nylon Nut | DIN 934 |
| 30 | 1 | Rubber | 30.08.00.00.007 |
| 31 | 1 | Rubber Connector Angle Iron | 30.08.00.00.008 |
| 32 | 10 | M6x25 Bolt | DIN 601 |
| 33 | 10 | M6 Nylon Nut | DIN 934 |
| 34 | 1 | M12x35 Bolt | DIN 601 |
| 35 | 4 | M12x25 Bolt | DIN 601 |
| 36 | 4 | M12 Washer | DIN 125 |
| 37 | 4 | M12 Nylon Nut | DIN 934 |

BODY

| | | | |
|----|------|----------------------|-----------------|
| 38 | 2 | Complete Stand Leg | 30.04.00.00.000 |
| 39 | 8 | M10x30 Bolt | DIN 601 |
| 40 | 8 | M10 Washer | DIN 125 |
| 41 | 8 | M10 Nut | DIN 934 |
| 42 | 53x2 | Chain Unit | 30.12.01.00.000 |
| 43 | 1 | Hose Protection | 30.00.00.00.005 |
| 44 | 2 | M6 Washer | DIN 125 |
| 45 | 2 | M6 Nut | DIN 934 |
| 46 | 1 | Adjustable L Profile | 30.09.00.00.001 |
| 47 | 1 | Sheet Metal | 30.09.00.00.003 |
| 48 | 1 | Knob | 30.09.00.00.006 |
| 49 | 2 | Hitch Point | 30.00.00.00.008 |
| 50 | 6 | M16x40 Bolt | DIN 601 |
| 51 | 6 | M16 Washer | DIN 125 |
| 52 | 6 | M16 Nylon Nut | DIN 934 |