



Repossi

macchine agricole



dal 1898

**OPERATOR'S
MANUAL**

Mod. 120/1

Mod. 145/1

Mod. 165/1



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Dear Farmer, you have just made an excellent choice. Naturally we are very happy and wish to congratulate you for having chosen Repposi. As your agricultural partner, we offer you quality and efficiency combined with reliable servicing.

Please read thoroughly and comply with the information provided in this instruction book. By doing so you will avoid accidents, preserve the manufacturer's warranty and always enjoy the advantages of a reliable machine.



CE sign



The CE sign, which is affixed by the manufacturer, indicates outwardly that this machine conforms to the engineering guideline regulations and the other relevant EU guidelines.

EU Declaration of Conformity

By signing the EU Declaration of Conformity, the manufacturer declares that the machine being brought into service complies with all relevant safety and health requirements.

-1- Recommendations for work safety.



All points referring to safety in this manual are indicated by this sign.

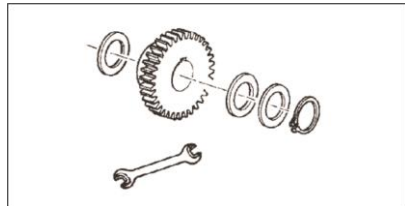
Before starting with operations check both implement and tractor for working and road safety.

1.1 Defined use

- a) The “REPOSSI” side delivery rake is intended solely for normal use in agricultural work:
 - The swathing of forage, silage fodder and straw.
 - Any other uses are regarded as not included in this definition.
 - The manufacturer takes no responsibility henceforth for any resulting damage which may occur. The user carries sole risk.
- b) The keeping of operating, service and maintenance requirements lay down by manufacturer also come under the heading of “defined use”.

1.2 Spare parts

- a) The original components and accessories have been designed especially for these machines and appliances.
- b) We want to make it quite clear that components and accessories that have not been supplied by us have not been tested by us.



- c) The installation and/or use of such products can, therefore, negatively change or influence the construction characteristics of the appliance. We are not liable for damages caused by the use of components and accessories that have not been supplied by us.
- d) Alterations and the use of auxiliary parts that are not permitted by the manufacturer render all liability invalid.

1.3 Protection devices

All protection devices must remain on the machine and be maintained in proper condition. Punctual replacement of worn and damaged covers is essential.

1.4 Before starting work

- a) Before commencing work, the operator must be aware of all operating devices and functions. The learning of these is too late after having already commenced operation.
- b) The machine is to be tested for traffic and operating safety before each operation.

1.5 Transport of persons

- a) The transport of persons on the machine is not permitted.
- b) The machine may only be driven on public roads when in the position stipulated for road transport.

1.6 General

- a) The mounting and dismounting operations on the tractor and the relative regulations must be carried out only by the tractor driver. He must be sure that no other person is in the neighborhood, before starting the work.
- b) The prescription for the prevention of the accidents, as also all the other general technical dispositions, the norms for the street circulation, the emergency and the hygiene must be observed.
- c) For all maintenance, service and modification work, turn driving motor off and remove universal drive.

1.7 Cleaning the machine

Do not use high-pressure washers for the cleaning of bearing and hydraulic parts.

REPOSSI realized a rake compliant with safety requirements.

Now depends from you a safe use of this machine, following the next instructions you will always work in safety conditions, you will have high performance and efficiency without failure.

Please, read carefully the following instruction.

-2- General guidelines for working with the Comb Rakes



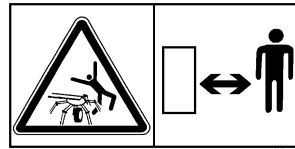
2.1 Safety guidelines

(See 1.1 – 1.3 – 1.4)

All work in the immediate area of the rakes may only be carried out when the p.t.o. is switched off.

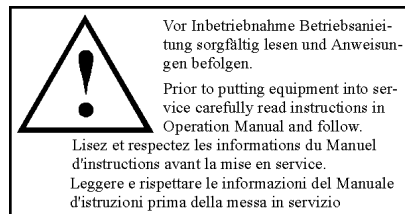
Caution!

Do not enter rake area while driving motor is running.



⇒ National safety and accident prevention regulations must be followed as well as the advice given in this manual.

⇒ Read the stickers applied to the machine and take particular note of those which carry safety advice.



⇒ These fittings should be handled and transported only by a power cultivator.

⇒ For storage, we suggest the fitting be placed in stable and safe conditions preventing the springs being exposed to tampering by people.

2.2 Driving on public roads

- ⇒ Observe the traffic regulations in force in your Country.
- ⇒ Going on open roads may only be carried out as described in chapter “Transport position”.

2.3 Important warnings

- ⇒ ADOPTED CONVENTIONS: Right side or Left side of the machine are intended as the Right side and the Left side watching the machine from the rear
- ⇒ Check regularly the tire pressure (1.9 bar).



After the first 5 hours of operation, all nuts and bolts must be checked and tightened if necessary.

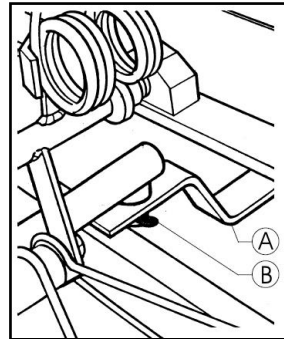
-3- Use of the machine

3.1 Assembling the machine

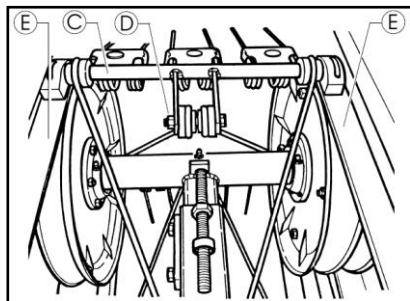
The fitting is normally distributed with the combs on the top of the belt lowered and with the direction lever disassembled.

To set up the fitting for use, follow the following instructions:

- 1) Fit the steering lever (A) in the housings provided, stopping it from sliding out with the cotter pin supplied (B).

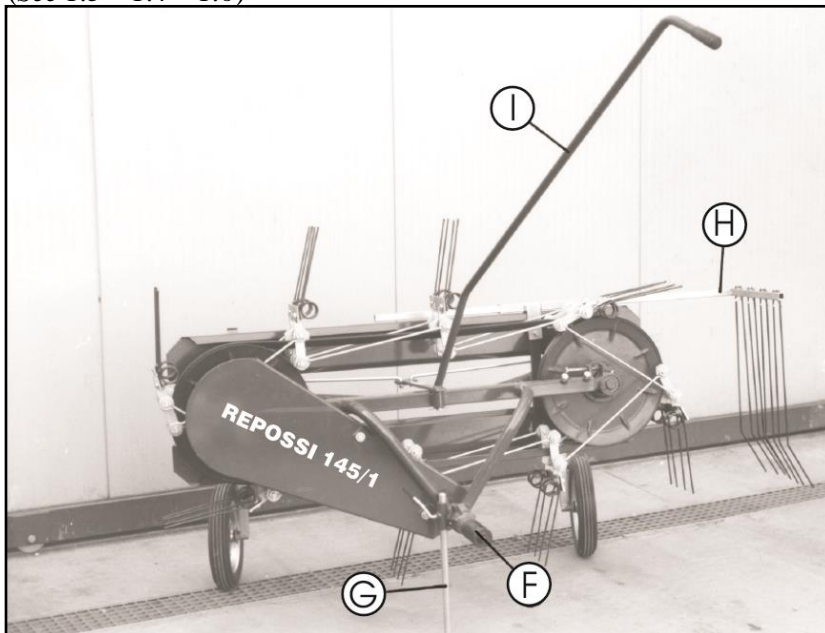


- 2) Turn the combs (C) to the working position and fasten each of them with the twin rod (D) of the previous comb by means of provided bolt (E).



3.2 Tractor coupling

(See 1.3 – 1.4 – 1.6)



Before being used, the rake tedder must be lubricated by greasing (Vedi 4.5)

Belt tension does not need any adjustment for start-up. However this must be checked after the first ten hours of operation to tighten any stretching. (Vedi 4.3).

The front transmission coupling (F) has to be coupled to the power cultivator or mower.



When coupling the two parts, make sure that the connection is centred properly and the coupling bolts well screwed (if a fixed coupling is used), or the locking pin is securely inserted (if a quick coupling is used).

3.3 For travelling on public roads



Caution!

Do not enter rake area while driving motor is running.

For road haulage, proceed as follows:

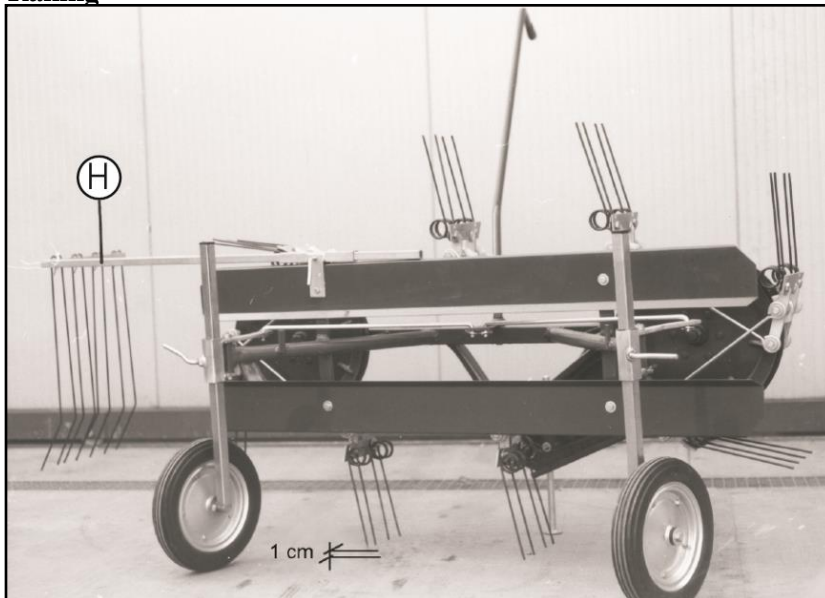
- a) Lift the support stand (G);
- b) push in the side swath board (H) and stop it with the threaded handles;
- c) lift the driving band from the ground acting on rear wheel (D)
- d) use the steering lever (I) to steer the rake tedder in the required direction, operating it directly from the power cultivator.



CAUTION: All local standards and regulations regarding the "Way Code" must be complied with.

3.4 Changing from transport to operational configuration

Raking



The band runs horizontally and must be adjusted about $1 \div 2$ cm above the ground so that fodder is raked up without causing excessive stress on mechanical parts.

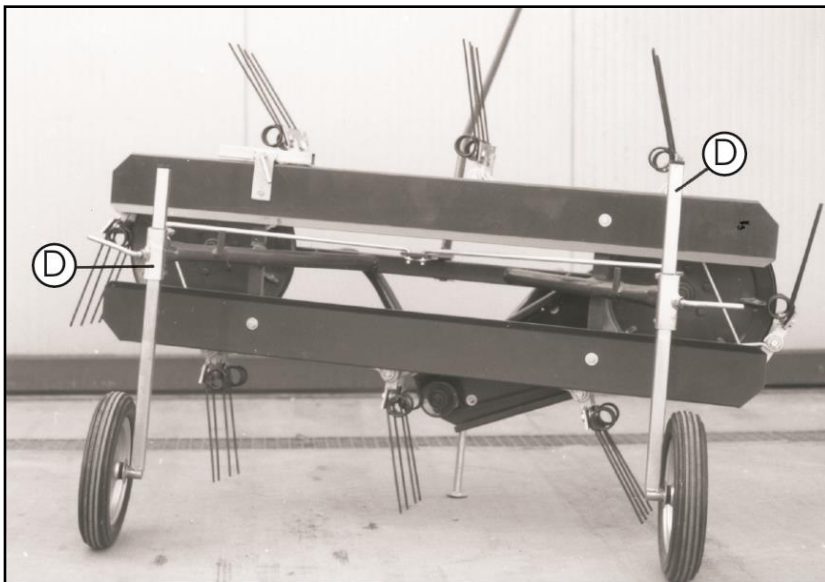
The swath board (H) must be widened and fitted in a position adequate for the amount of hay being raked.



CAUTION: The area surrounding the fitting during operation must be kept out of bounds to other people.

Do not under any circumstances operate the hay rake tedder if the driver is not on his driving seat.

Tedding, airing



The machine is adjusted always operating on the wheels (D) as showed in the picture.

The swath board is removed in this case (H).



CAUTION: The area surrounding the fitting during operation must be kept out of bounds to other people.

Do not under any circumstances operate the hay rake tedder if the driver is not on his driving seat.

3.5 Adjusting the height of the tines

Operate on the wheels (D) by loosening the locking screws, adjusting the desired height and locking.

-4- Maintenance of the machine



Safety guidelines

(See 1.6)

4.1 General

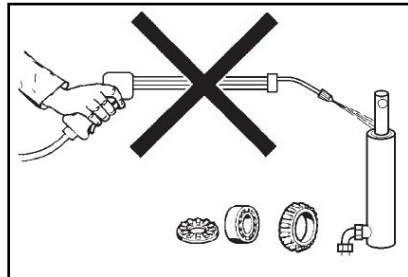
- ⇒ Turn engine off when adjustment, service and repair work is to be done.
- ⇒ In order to keep the implement in good condition after long periods of operation, please observe the following points:
 - The machine must be accurately checked after the first five hours of operation.
 - All nuts and bolts, particularly the ones of spring and mobile frame should be checked and tightened where necessary.
 - Grease lubrication points according to lubrication chart.

4.2 Cleaning of machine parts

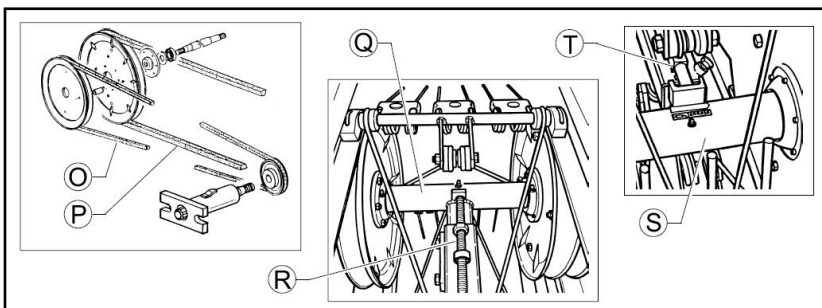
Attention! Do not use high-pressure washers for the cleaning of bearing- and hydraulic parts.

- ⇒ Danger of rust.
- ⇒ After cleaning, grease the machine according to the lubrication chart and carry out a short test run

Cleaning with too high pressure may do damage to varnish.



4.3 Belt tension



To ensure the right working of the machine, act as follows:

- a. EVERY 150 WORKING HOURS: Verify the tension of driving belt (from central connection to band group) (O) and the tension of the two band belts (P); generally these belts slocken after several working hours.
- b. To restore the right tension of the driving belt:
 - a) Loosen the fastening screws on the driving pulley assembly (Q).
 - b) Fasten the tighter screw (R) until the driving belt is adequately tightened.
 - c) Locking the pulley group in the new position screwing the fastening screws.
- c. If the band belts need to be tightened as well, proceed as follows:
 - a) Loosen the fastening screws (R) of the driven pulley assembly (S).
 - b) Fasten the tighter screw (T) until the band belts (P) are adequately tightened.
 - c) Locking the driven pulley group in the new position screwing the fastening screws (T).

4.4 Winter storage

Before winter proceed as follows:

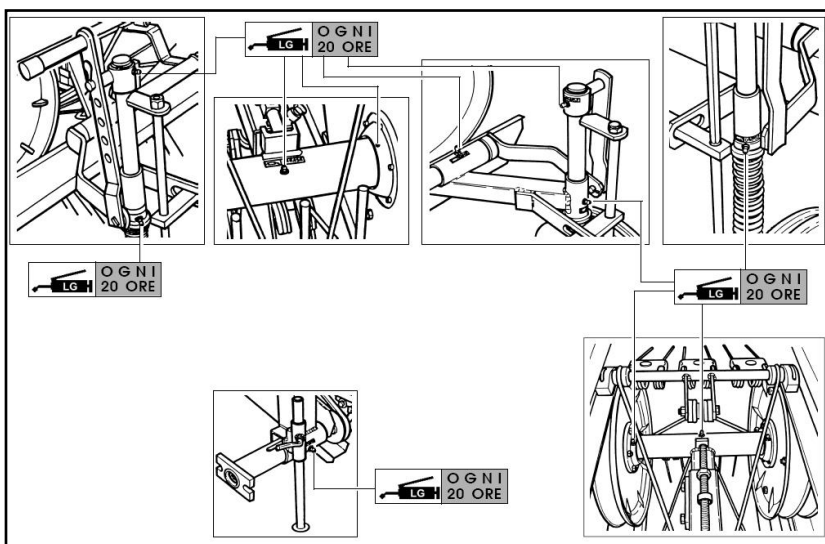
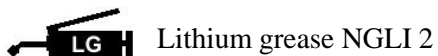
- ⇒ Clean the machine thoroughly.
- ⇒ Check and re-tighten all nuts and bolts as necessary.
- ⇒ Repair or renew all worn or damaged parts.
- ⇒ Touch up paintwork as necessary.
- ⇒ Protect the rake from the wear.
- ⇒ Protect shiny parts against corrosion.
- ⇒ Lubricate in accordance with the chart.
- ⇒ Check tire pressures.

4.5 Lubrication chart

In the following lubrication chart all lubrication points are shown by dots or arrows. Suggested maintenance and lubrication intervals will ensure a long life for your machine.

Operate a general grease every 20 working hours.

Use the following grease and oil type:



-5- Technical data

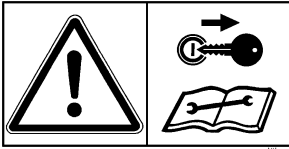
(Indicative data)

Model	120/1	145/1	165/1
Working width (mm)	1050	1250	1450
Transport width (mm)	1200	1450	1650
Length (mm)	1000	1000	1000
Number of reels	7	8	9
Number of tines for each reel	2	2	2
Wheels	3.00-6	3.00-6	3.00-6
P.t.o. rpm	900	900	900
Minimum required power (kW)	4	4.5	5
Weight (kg)	68	75	85

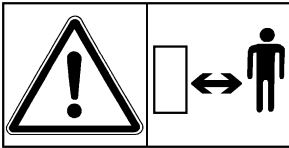
IMPORTANT: the customer should indicate the identification data in the apposite fields (he can gather these data from the metal target of the machine). This information are important to order spare parts.

YEAR OF CONSTRUCTION.....
MODEL
REG. NUMBER

-6- Warning signs



ATTENTION, before using or repairing the machine, you have to read the maintenance book carefully.



ATTENTION: the security distance of 5 meters from the work place must be respected.



ATTENTION, all work in the immediate area of the rotor may only be carried out when the p.t.o. is switched of.

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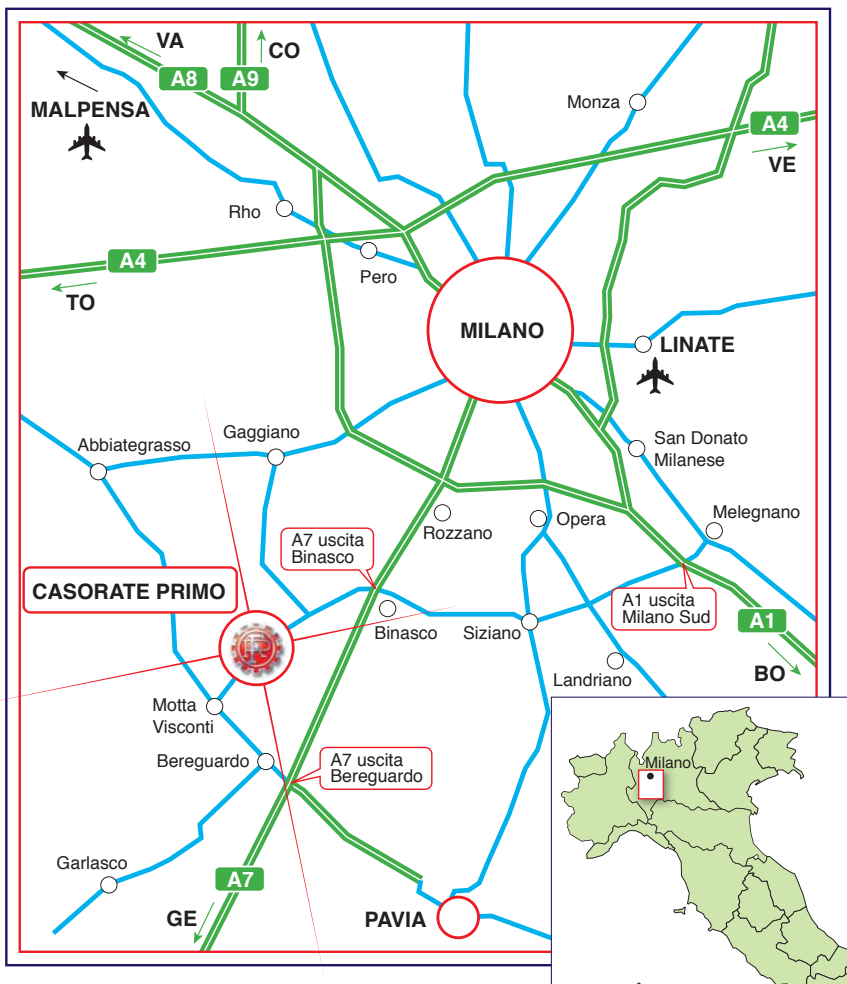
Technical data, dimensions and weights are given as an indication only. Responsibility for errors or omissions not accepted.

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