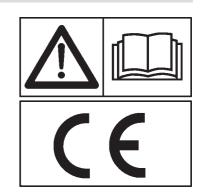
GASPARDO

GASPARDO Seminatrici S.p.A.



OPERATOR'S MANUAL - PARTS BOOK

SICKLE BAR MOWER



Cod. G19502181 06 / 2005

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cod. G19502181 GASP	'ARDO

TO THE DEALER:

Assembly and proper installation of this product is the responsibility of the GASPARDO dealer. Read manual instruction and safety rules. Make sure all items on the Dealer's Pre-Delivery Check List in the Operator's Manual are completed before releasing equipment to the owner.

The dealer must complete the Warranty Registration, located on the GASPARDO website. Warranty claims will be denied if the Warranty Registration has not been completed.

TO THE OWNER:

Read this manual before operating your frontier equipment. The information presented will prepare you to do a better and a safer job. Keep this manual handy for ready reference. Require all operators to read this manual carefully and become acquainted with all the adjustment and operating procedures before attempting to operate. Replacement manuals can be obtained from your selling dealer.

The equipment you have purchased has been carefully enginereed and manufactured to provide dependable and satisfactory use. Like all mechanical products, it will require cleaning and upkeep. Lubricate the unit as specified. Observe all safety information in this manual and safety decals on the equipment.

For service, your authorized GASPARDO dealer has trained mechanics, genuine GASPARDO service parts, and the necessary tools and equipment to handle all your needs.

Use only genuine GASPARDO service parts. Substitute parts will void the warranty and may not meet standards required for safe and satisfactory operation. Record the model number and serial number of your equipment in the spaces provided:

Model:	Date of Purchase
Serial Number: (see Safety Decal section for loca	ation)

Provide this information to your dealer to obtain correct repair parts.

Throghout this manual, the term **IMPORTANT** is used to indicate that failure to observe can cause damage to equipment. The terms CAUTION, WARNING and DANGER are used in conjunction with the Safety-Alert Symbol, (a triangle with an esclamation mark), to indicate the degree of hazard for items of personal safety.

> This Safety-Alert Simbol indicates a hazard and means 1 ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!



Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury.



Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury, and includes hazards that are exposed when guards are removed.



Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury.

IMPORTANT Indicates that a failure to observe can cause damage to equipment.

NOTE Indicates helpful information.

DESCRIPTION

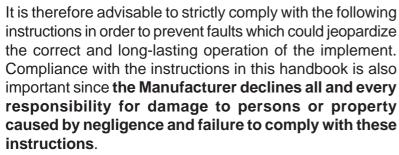
Description of the sickle bar mower

This agricultural implement can only operate by means of a cardan shaft applied to the pto of an agricultural tractor equipped with lift and universal three-point hitch. Since it is movable, the mowing machine can be easily mounted on tractors with different gauges or on tracked vehicles (Fig. 1). The two-motion tooth-blade system used in mowing machines, makes possible a scissors cut which leads to a higt speed operation on a any crop. The original tooth-blade motion guarantees a sharp and clean cut on any type of grass, be it damp or flattened. It is thanks to the total absence of soil which this mowing system does not raise, sharp because the stems are not frayed. The sickle bar may also be used with the cutting arm tilted for working on canals, ditches and embankments (Fig. 2 and 3).



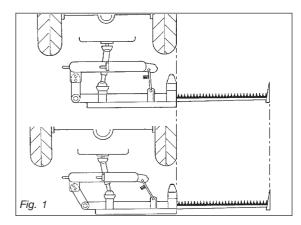
ATTENTION

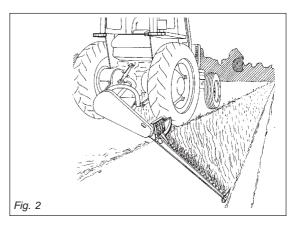
The sickle bar is suitable only for the uses indicated. Any other use different from that described in these instructions could cause damage to the machine and represent a serious hazard for the user.

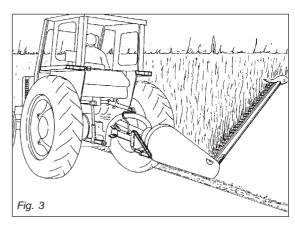


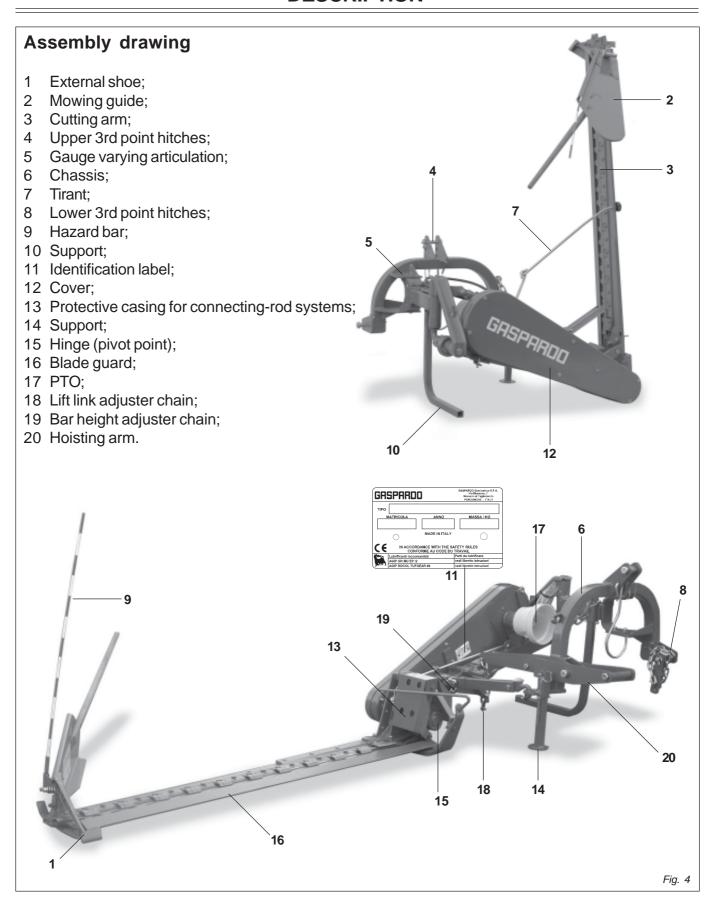
The Manufacturer shall, however, remain at the customers' disposal for immediate and thorough assistance together with anything else that may be required in order to ensure the correct operation and maximum efficiency of the implement.

The Manufacturer reserves the right to make any modifications and improvements to the implement as may be considered opportune, without being obliged to immediately inform the user.

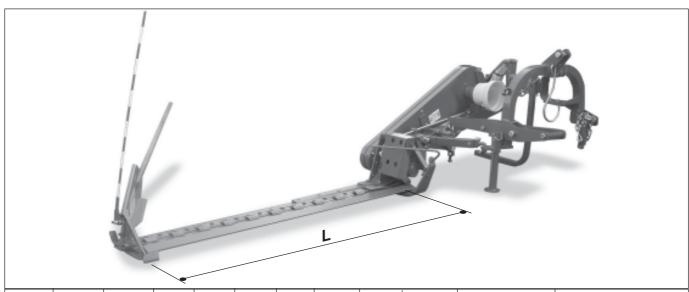








TECHNICAL SPECIFICATIONS



Model	Work/width inches L	Tractor HP min max.	Weight Ibs.	Tooth number	Sections number	Side Drive	Work speed miles/h	PTO Input speed	Hitch	Acoustic power level uttered bay machine (Weighed A) LwA	Continuous equivalent acoustic radiation pressure level (Weighed A) in the "worker's position" L _{PA}
FBR 1.30	51.2	25 - 50	423	9	18	Belts B-93	6.2 ÷ 7,5	540	Cat. "I" Cat. "II"	110.7 dB	91.7 dB
FBR 1.45	57.1	25 - 50	429	10	20	Belts B-93	6.2÷7,5	540	Cat. "I" Cat. "II"	110.7 dB	91.7 dB
FBR 1.75	68.9	25 - 50	456	12	24	Belts B-93	6.2÷7.5	540	Cat. "I" Cat. "II"	110.7 dB	91.7 dB
FBR 2.05	80.7	25 - 50	470	14	28	Belts B-93	6.2÷7.5	540	Cat. "I"	110.7 dB	91.7 dB

Handling

During handling operations, use suitable personal protection devices:



If the machine is handled, it must be lifted by hooking (Fig. 5) onto the appropriate holes with a suitable winch or crane of sufficient capacity. Because of the danger involved, this operation should be carried out by trained and responsible personnel. The mass of the machine is on the identification label (11 Fig. 4).

Stretch the rope to keep the machine level.

The lifting points can be detected by finding the symbol (8 page 9).

During handling operations make sure the implement has the required safety devices and guards.



SAFETY LABLES

Safety-alert lables

Read and recognize safety information.

Be alert to the potential for personal injury when you see this safety-alert lables.



On your machine safety labels, the words DANGER, WARNING, and CAUTION are used with a safety symbols. DANGER identifies the most serious hazards. In this manual, the word CAUTION and this symbol call attention to safety messages.

Identification machine

Identification label

Machine safety labels

1) CAUTION: AVOID INJURY

- Read Operator's Manual
- Ballast power unit per operator's manual
- Know location and function of controls
- Keep all shields in place
- Stay clear of power driven parts
- Never carry riders
- Keep people and pets a safe distance away from machine

BEFORE DISMOUNTING OR SERVICING

- Shut off engine and remove key
- Lock brake for park
- Lower or block up machine

2) CAUTION

- 1 Keep all shields in place.
- 2 Disengage and shut off all engine and/or motor power before servicing or unclogging machine.
- **3** Keep hands, feet and clothing away from power-driven parts.

3) DANGER: CRUSHING AND PINCH POINTS

MOVING MACHINERY PARTS CAN:

- 1° PINCH OR CRUSH OR FALL
- 2° WHICH MAY CAUSE INJURY OR DEATH.

4) DANGER

Entanglement in rotating driveline can cause serious injury or death.

Keep all shields in place.

Avoid contact with rotating parts.

5) DANGER: KEEP AWAY - SHARP BLADES

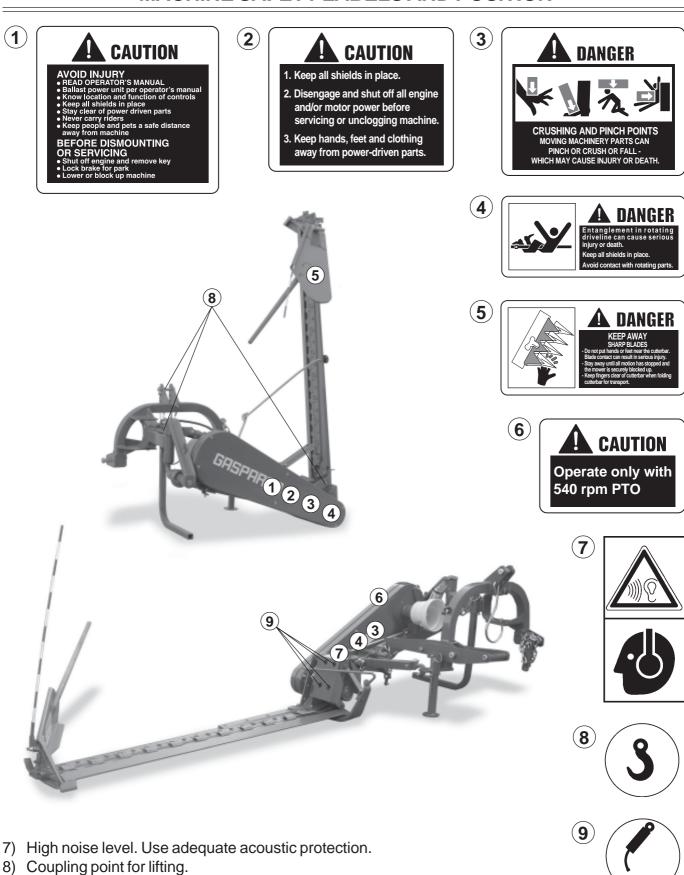
- Do not put hands or feet near the cutterbar. Blade contact can result in serious injury.
- Stay away until all motion has stopped and the mower is securely blocked up.
- Keep fingers clear of cutterbar when folding cutterbar for transport.

6) CAUTION

Operate only with 540 rpm PTO



MACHINE SAFETY LABELS AND POSITION



9) Greasing point.

GREASE

PREPARING THE TRACTOR

Preparing the tractor



CAUTION: Avoid injury. Proper ballastings is required for safe operation of your sickle bar mower

IMPORTANT: Refer to the tractor operator manual for proper ballasting information and tire inflation

- A 540 rpm PTO
- Refer to the tractor operator manual for correct ballasting and tire pressure, depending on installed equipment.

Parking instruction

- Stop vehicle on a lever surface, not on a slope.
- Disengage PTO.
- Engage the park brake.
- STOP the engine.
- Remove the key.
- Before you leave the operator's seat, wait for engine and all moving parts to STOP.

Stay clear of rotating drivelines

Entanglement in rotating driveline can cause serious injury or death:

- Wear close fitting clothing.
- STOP the engine and be sure PTO driveline is stopped before getting near it.

Installing sickle bar on tactor

The sickle bar can be hitched to I, II or quick coupler category tractor equipped with a universal three-point coupling.



DANGER

Application of any implement to a tractor is a very dangerous operation and must only be carried out with the utmost care in compliance with the instructions.

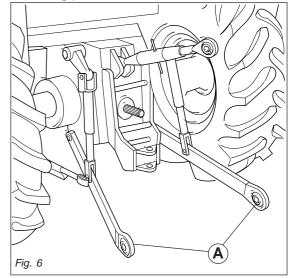
The correct tractor/sickle bar position is established by setting the implement at such a distance from the tractor that the universal coupling remains 2-4 inches from its maximum closing position. Now proceed in the following way:

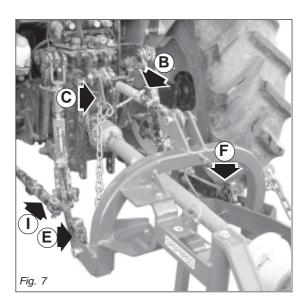
1. Back tractor into position and align draft links (A, Fig. 6) with draft link brackets on sickle bar.



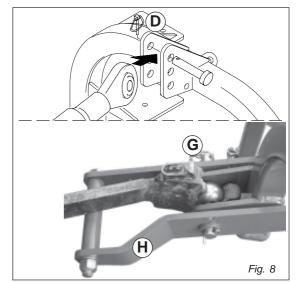
CAUTION: Before you work around hitch:

- STOP engine.
- LOCK park brake.
- FIRMLY block mower on horizontal surface.
- 2. Connect the upper third-point and correctly regulate by means of the adjuster (B, Fig. 7). Place plate (C, Fig. 7) at the left side of the hight integral with the same pin. Lock in place with the snap-in split pins (D, Fig. 8).





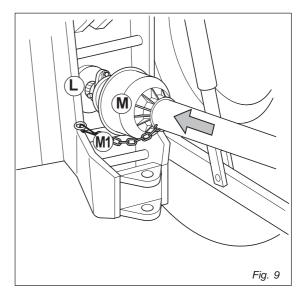
- 3. Hook the oscillating arms of the tractor to pins (E and F, Fig. 7). The hoisting arm (H, Fig. 8) must be fixed underneath the tractor arm. Lock in place with the snap-in split pins (G Fig. 8)
- 4. Lock the lift links using the relative chains (I, Fig. 7) and couplings parallel to the tractor. This operation must be carried out to prevent the machine from moving in a horizzontal direction.



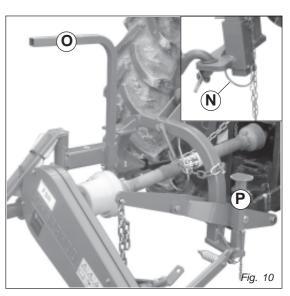
5. Install PTO shaft to tractor (Fig. 9).

IMPORTANT: Sickle bar mower MUST BE level front to rear.

Make sure PTO shaft is locked on the tractor PTO prior to engagement (L). Check that the guard (M) is free to turn and fix it with the relative latch (M1).



- 6. Remove the guard over the cutters (16, Fig. 4) and remove the tirant (7, Fig.4).
- 7. Lift-up sickle bar.
- 8. Remove spring locking pin (N, Fig. 10) from parking stand.
- 9. Remove support (O and P, Fig. 10) and remount them, upside-down in their seat .
- 10. Fasten with spring locking pin (N, Fig. 10).



INSTALLING

PTO shaft adaptation

The PTO shaft, supplied with the machine, is of standard length. Therefore it might be necessary to adapt the PTO shaft. In that case, before doing anything, consult the Manufacturer for the eventual adaptation.



CAUTION

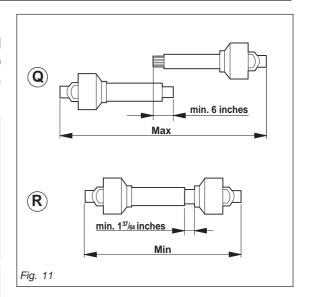
- When the PTO shaft is fully extended, the two tubes must overlap by at least 6 inches (Q Fig. 11). When fully inserted, the minimum play must be 1³⁷/₆₄ inches (R Fig.11).
- If the implement is used on another tractor, always check the above and that the guards copletely cover the rotating parts of the PTO shaft.

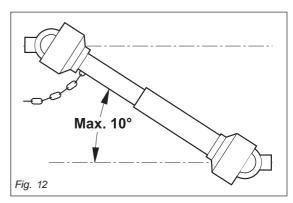


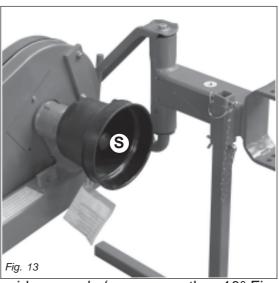
ATTENTION

Comply with the manufacturer's instructions when transporting the mowing machine.

- The equipment installed can only be controlled by means of the PTO shaft complete with the necessary overload safety (i.e. clutch) devices and guards fastened with the appropriate chain.
- Only the PTO shaft supplied by the Manufacturer must be used.
- The engine must not be running when installing and removing the PTO shaft.
- Care must be taken regarding the safety and correct assembly of the PTO shaft.
- Use the chain provided to stop the PTO shaft from rotating.
- Always check carefully that the PTO shaft guard is always in position, both during transportation and operation.
- Frequently and set intervals check the PTO shaft guard, it must always be in excellent condition.
- Before engaging the PTO, check that the set rpm corresponds to that indicated by the sticker on the equipment.
- Before inserting the PTO, make sure that there are no people or animals nearby and that the rpm selected corresponds to that permitted. Never exceed the maximum admissible speed.
- Watch out for the rotating universal joint.
- Do not insert the PTO with the engine off or synchronized with the wheels.
- Always disconnect the PTO when the cardan shaft is at too wide an angle (never more than 10°, Fig. 12) and when it is not being used.
- Only clean and grease the PTO shaft when the power take-off is disconnected, the engine is off, the hand brake pulled and the key removed.
- When not in use, place the PTO shaft on the support provided for it.
- After having dismantled the PTO, place the protective cover on the PTO shaft (S, Fig. 13).







Stability of sickle bar mower and tractor during transport

When a sickle bar is coupled to a tractor, so becoming an integral part of it for the purposes of road travel, the stability of the sickle bar-tractor complex may change and cause driving or operating difficulties (rearing up or side-slipping of the tractor). The condition of equilibrium can be restored by placing a sufficient number of ballasts on the front of the tractor so that the weights on the two tractor axles are distributed sufficiently evenly. To work in safety the instructions given in the highway code should be followed; these prescribe that at least 20% of the weight of the tractor alone should be borne by the front axle and that the weight on the arms of the hoist should not be more than 30% of the weight of the tractor itself. These factors are summarized in the following formulas:

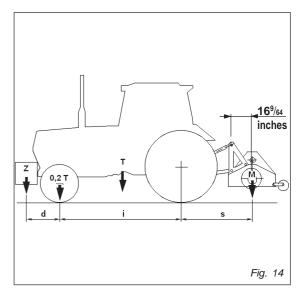
$$Z > (M \times s)-(0.2 \times T \times i)$$

(d+i)

The amount of ballast that should be applied according to the formula is the minimum required for circulation on the road. If for reasons of tractor performance or to improve the set-up of the sickle bar during operation it is thought necessary to raise these values, please refer to the registration document of the tractor to check its limits. When the formula for calculating the ballast gives a negative result it will not be necessary

to add any weight. In any case, as long as the limits of the tractor are respected, a suitable quantity of weights may be applied in order to ensure greater stability during travel. The symbols have the following meanings:

М	Kg	Mass weighing on arms off hoist with full load (Technical data table)			
Т	Kg	Mass of tractor			
Z	Kg	Total mass of ballast			
i	m	Tractor wheelbase, that is, the horizontal distance between the tractor axles			
d	m	Horizontal distance between the centre of gravity of the ballast and the front axle of the tractor			
S	m	Horizontal distance between the centre of gravity of the operating machine and the back axle of the tractor			



(please see Fig. 14 for reference):

INSTALLING

Parking instructions

- Stop vehicle on a level surface, not on a slope.
- Disengage PTO.
- Engage the park brake.
- STOP the engine.
- Remove the key.
- Before you leave the operator's seat, wait for engine and all moving parts to STOP.

Stay clear of rotating drivelines

Entanglement in rotating driveline can cause serious injury or death:

- Wear close fitting clothing.
- STOP the engine and be sure PTO driveline is stopped before getting near it.



Removing sickle bar mower

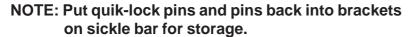
The sickle bar must be set-up on flat and compact ground, supported by the relative supports (A and B, Fig. 15).

- 1. Raise sickle bar.
- 2. Put parking stand (A and B, Fig. 15) in the DOWN position: install spring locking pin in order to secure parking stand (C, Fig. 15).
- 3. Lower sickle bar to the ground.



CAUTION: Before you work around hitch:

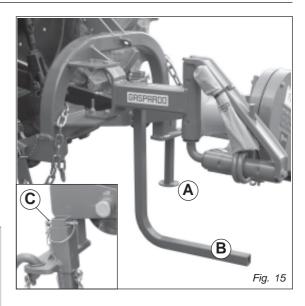
- STOP engine.
- LOCK park brake.
- FIRMLY block mower on horizontal surface.
- 4. Unhook the PTO schaft (, Fig. 16) from the tractor and put in on the special hook.
- 5. Remove quik-lock pin (D, Fig. 17) and pin (E, Fig. 17) from center link (F, Fig. 17).

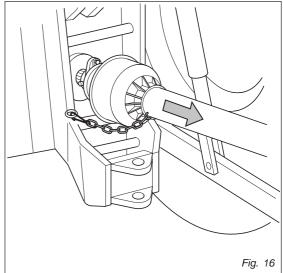


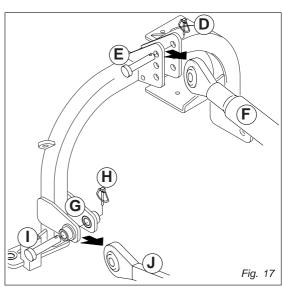
6. Remove draft links (J, Fig. 17) from draft link brackets (G, Fig. 17) by removing quiklock pins (H, Fig. 17) and pins (I, Fig. 17).



7. Drive tractor forward slowly.







OPERATING

Operate safetly

Carefully read all the instructions before using the machine; if in doubt, contact the technicians of the Manufacturer's dealer. The manufacturer declines all responsibility for the non-observance of the safety and accident prevention regulations described below.

General norms

- 1) Pay close attention to the danger signs in this manual and on the sickle bar.
- 2) The labels with the instructions attached to the machine give abbreviated advice for avoiding accidents.
- 3) Carefully observe, with the help of the instructions, the safety and accident prevention regulations.
- 4) Avoid touching moving parts in any way whatsoever.
- 5) Any work on and adjustment to the machine must always be done with the engine switched off and the tractor blocked.
- 6) People or animals must not, under any circumstances, be transported on the equipment.
- 7) It is strictly prohibited to drive the tractor, or allow it to be driven or with the equipment attached by persons not in possession of a driver's license, an expert or in poor conditions of health.
- 8) Before starting the tractor and the equipment, check that all safety devices for transport and use are in perfect working order.
- 9) Before starting up the equipment, check the area surrounding the machine to ensure that there are no people, especially children or pets, nearby, and ensure that you have excellent visibility.
- 10) Use suitable clothing. Avoid loose clothing or garments with parts that could in any way get caught in the rotating or moving parts of the machine.
- 11) Before starting work, familiarize yourself with the control devices and their functions.
- 12) Only start working with the equipment if all the protective devices are in perfect condition, installed and in the safe position.
- 13) It is absolutely prohibited to stand within the machine's radius of action where there are moving parts.
- 14) It is absolutely forbidden to use the equipment without the guards.
- 15) Before leaving the tractor, lower the implement coupled to the lift unit, stop the engine, engage the hand brake, remove the ignition key from the control panel, cover the cutters and outer skid with the relative guards. Raise the mowing bar (transport protection) according with the instructions given in this handbook.
- 16) The driver's seat must never be left when the tractor engine is running.
- 17) Before operating the mowing machine, check that the support struts (A and B, Fig. 15 page 15) have been removed from underneath the implement. Make sure that the sickle bar has been correctly mounted and adjusted. Check that the machine is in perfect order and that all components subject to wear and deterioration are efficient.
- 18) Before releasing the equipment from the third point attachment, put the hoist command lever into the locked position and lower the support feet.
- 19) Only operate during daylight or with proper artificial light.
- 20) All operations must be carried out by expert personnel, equipped with protective gloves, in a clean and dust-free environment.
- 21) Do not climb onto the machine while it is running, even if it is stationary.
- 22) Before approaching the mowing bar, disengage the pto, switch off the tractor, engage the parking brake and check that the cutters are at a complete standstill.
- 23) The coupled implement may only be controlled through the PTO shaft complete with the necessary safety devices for overloads and with the guards fixed with the relative latch.
- 24) During maintenance and work operations, make sure that no other person goes near the tractor and the implement and accidentally works the controls with the risk of causing injury to persons and damage to property.
- 25) As a precaution, always set adeguate supports under the implement during assembly, servicing, cleaning or assembly work with the mowing bar raised.

OPERATING

- 26) DO NOT wear radio or music headphones while operating the machine. Safe operation requires your full attention.
- 27) DO NOT operate the tractor and sickle bar when you are tired or ill.

Tractor hitch

- 1) Hook the equipment to a suitable, sufficiently-powered tractor by means of the appropriate device (lifter), in conformity with applicable standards.
- 2) The class of the equipment attachment pins must be the same as that of the lifter attachment.
- 3) Take care when working within the range of the lifting arms as this is a very dangerous area.
- 4) Be very careful when hooking and unhooking the equipment.



- 5) It is absolutely forbidden to stand between the tractor and linkage for acting the lifting controls from the outside (Fig. 18).
- 6) It is absolutely forbidden to stand in the space between the tractor and the equipment (Fig. 18) with the engine running.
- 7) The attaching of additional equipment onto the tractor brings about a different distribution of weight on the axles.
 - Check the compatibility of the tractor performance with the weight that the mower transfers onto the three-point linkage. If in doubt consult the tractor Manufacturer.
- 8) Comply with the maximum admissible weight for the axle, the total mobile weight, transport regulations and the highway code.



- Wear close fitting clothing and safely equipment appropriate for the job.
- Loud noise can cause impairment or loss of hearing, wear a suitable protective device such as earplugs.



Fig. 18

Stay clear of rotating drivelines

Entanglement in rotating driveline can cause serious injury or death:

- Wear close fitting clothing
- Stop the engine and be sure PTO shaft is stopped before getting near it.





CAUTION: Before you work around hitch:

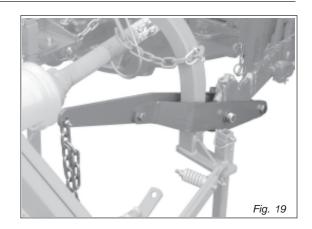
- STOP engine.
- LOCK park brake.
- FIRMLY block mower on horizontal surface.

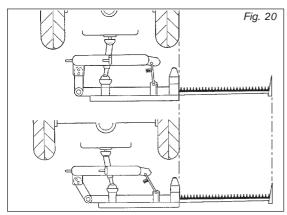
Use of MECHANICAL lifting system (Fig. 19)

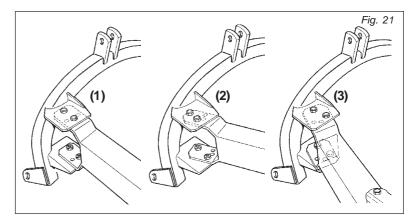
Adapting the sickle bar mower

To ensure optium use, the sickle bar must completely project from the tractor (Fig. 20); three situations are shown in the Figure 21:

- 1) hitching to a tractor normally used for mowing jobs;
- 2) hitching to a large tractor;
- 3) hitching to a small tractor or to certain types of tracked vehicle.

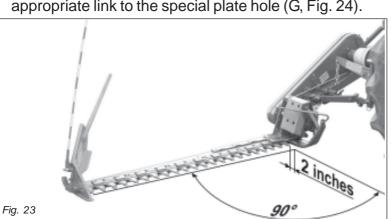


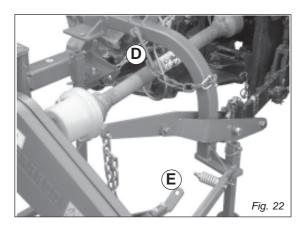


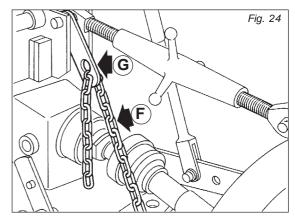


Adjustment

- Remove safety hook (D, Fig. 22), required only for transportation, and fit it back in the slot positioned above the chassis. Reduce to the minimum length in order to hook it in (E, Fig. 22) with the sickle bar to lower.
- Fit the sickle bar by adjusting the tractor tie-rods so that, when the sickle bar attachment is fitted to the three points on the tractor, the external tip of the cutting arm is approximately 2 inches. foward with respect to the arm base (Fig. 23).
- Using chain (F, Fig. 24), adjust the height of the sickle bar attachment with respect to the tractor. Attach the appropriate link to the special plate hole (G, Fig. 24).







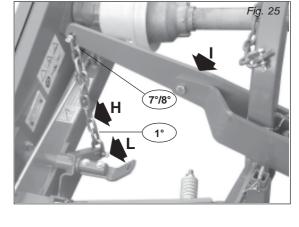
Mark the link used so that the same postion may be used each time the sickle bar is fitted to the tractor.

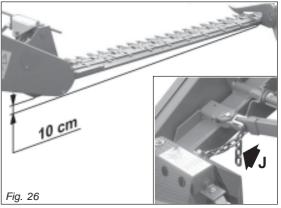
 Adjusting the hoisting chain (H, Fig. 25) so that during mowing the hoisting arm (I, Fig. 25) is free to move up and down; in this way, the cutting arm can follow any unevenness of the ground.

So that the mower will work well, we advise you to fix the chain (H Fig. 25) to the lifting arm (I Fig. 25) at the level of the 7th or 8th link of the chain.

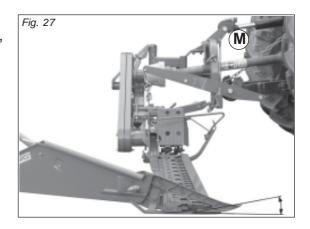
 Adjust the heigt of the cutting arm from the ground with chain (J, Fig. 26). Lower the mower; when the external tip of the arm touches the ground, the inner shoe must remain approximately 10 cm. above ground level (Fig. 26). Adjust by moving the chain links.

So that the mower will work well, we advise you to fix the chain (J, Fig. 25-26) to the equalizer (L, Fig. 25-26), leaving the last links of the chain free.

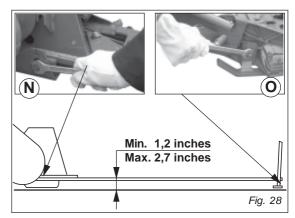




 Adjust inclination of the cutting arm teeth using tie rod (M, Fig. 27).

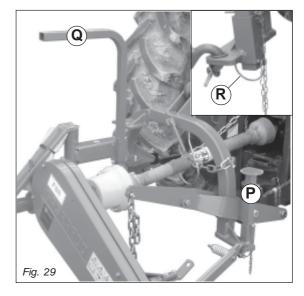


 Adjust the cutting height (Fig. 28) by moving the mowing bar on the holes of the inner mowing bar support (N), and, turning the nut of the outer mowing bar support (M), bring it level with the ground.



Mowing

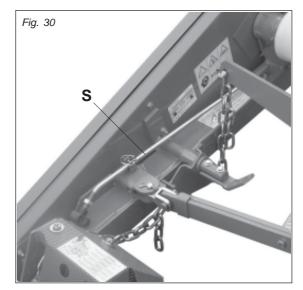
 Remove the supports (P and Q, Fig. 29) and remount them, upside-down in their seat. Install spring locking pin in order to secure parking stand (R).

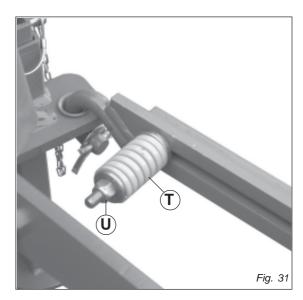


- Remove tie rod (S, Fig. 30) from the cutting arm and secure it in its seat.
- The sickle bar is fitted with a safety device for protection against obstacles. If this device is tripped by impact with an obstacle, stop the tractor without raising the cutting arm. Check that the cardan shaft has not become seperated, if so, reassemble it. Position the safety tie rod parallel to the ground, and reverse the tractor until the safety tie rod hooks up again. If the tie rod releases easly, adjust spring (T, Fig. 31) using nut (U, Fig. 31) which should be tightened half turn at a time.

For successful mowing and to avoid jamming, we advise you to:

- Set and maintain the power take-off at a constant rate of 540 rpm to ensure correct blade frequency;
- compatibly with the soil conditions and the type of grass, maintain a steady work speed: no slower than 5 mph to favor the discharging of the mown grass and no faster than 6.2 mph to avoid breaking or damaging the machine's structure.
- if the grass is tangled or flattened, keep the cutting bar grazing the ground.







If the blades becomes jammed, it is advisable to operate carefully wearing suitable personal protection. All the maintenance, adjustments and work preparation operations, must be carried out with the tractor strictly switched off and properly stationary, with the ignition key turned off and the sickle bar on the ground.



- Always raise the implement in order to reverse or change direction.
- The cutting arm should not be raised abruptly in order to avoid damaging the cutting blades.
- Power take-off must not exceed 540 r.p.m.
- Never run the engine at maximum power while mowing.
- In order to prevent breakages or damage, the speed of the tractor must never exceed 6.2 mph when the implement is working.



The mowing machine has sharp cutting blades. Always make sure that there are no persons, domestic animals, electrical cables, pipes and so forth, within the field of action of the implement.

Use of HYDRAULIC lifting system (Fig. 32)



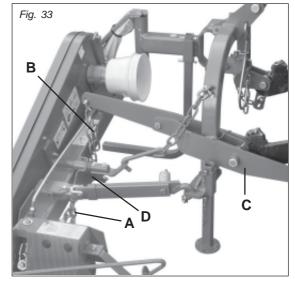
To install the hydraulic lifting kit of the mower, on versions with mechanical lifting, it is necessary to remove some parts of the equipment.

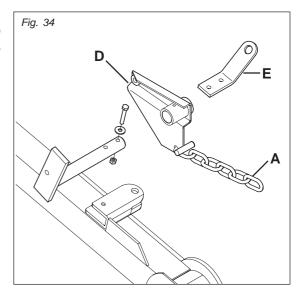
Figure 33 shows the parts that are to be removed from the equipment:

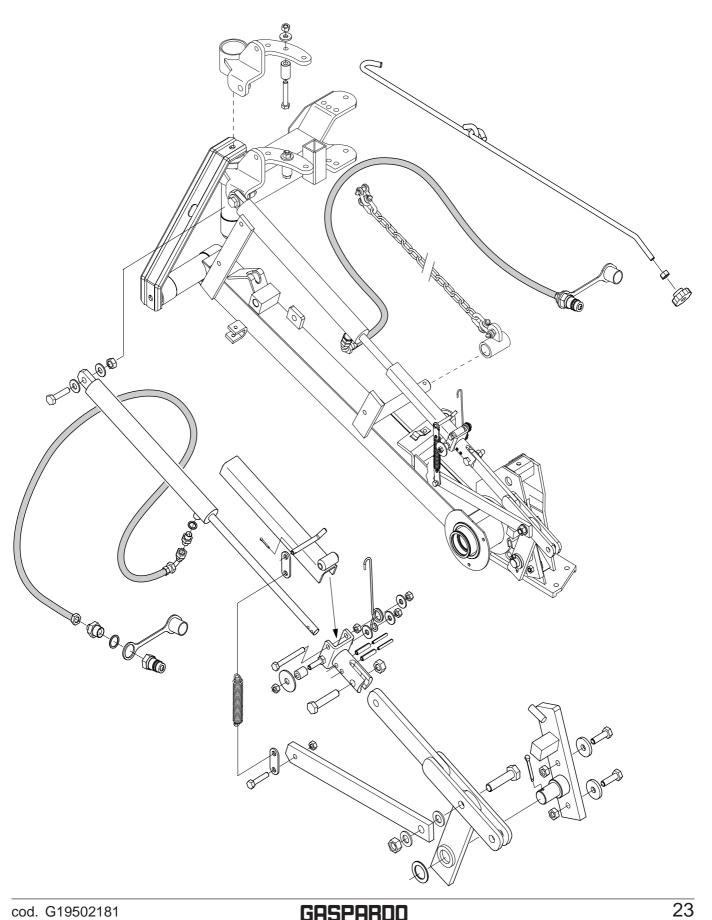
- A arm chain;
- B hinge chain;
- C lifting arm;
- D equalizer.

Take off the hinge chain (B) and the lifting arm (C).

Take off the equalizer (D) and the arm chain (A Fig. 34), removing and then putting back the safety hook linkage (E).



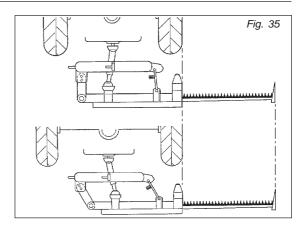


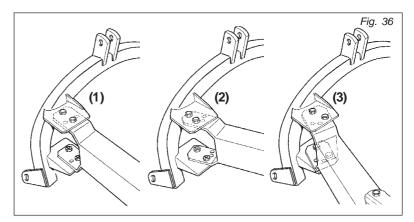


Adapting the sickle bar mower

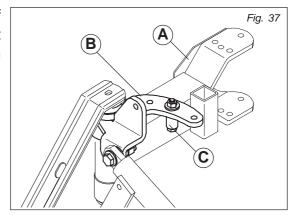
To ensure optium use, the sickle bar must completely project from the tractor (Fig. 35); three situations are shown in the Figure 36:

- 1) hitching to a tractor normally used for mowing jobs;
- 2) hitching to a large tractor;
- 3) hitching to a small tractor or to certain types of tracked vehicle.

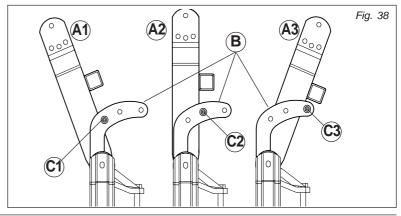


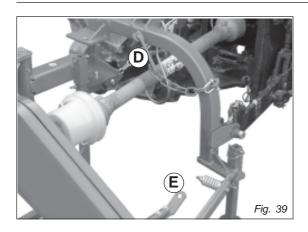


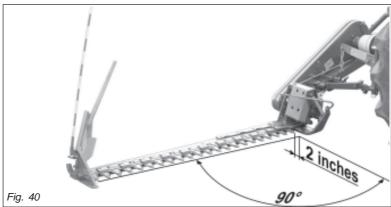
When the frame joint is moved (A, Fig. 37), the position of the stop bushing (C, Fig. 37) of the cylinder linkage must consequently be changed, according to the cases shown in figures 37 and 38.



Connections between frame joint and stop bushing for the movement of the mowing bar.

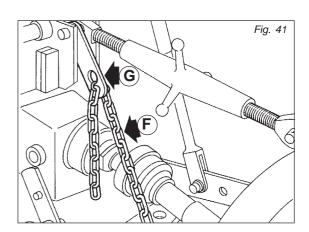


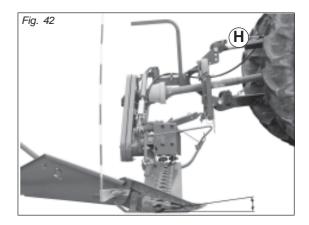




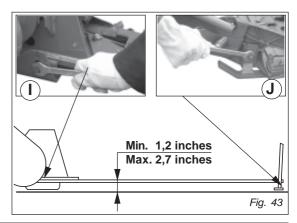
Adjustment

- Remove safety hook (D, Fig. 39), required only for transportation, and fit it back in the slot positioned above the chassis. Reduce to the minimum length in order to hook it in (E, Fig. 39) with the sickle bar to lower.
- Fit the sickle bar by adjusting the tractor tie-rods so that, when the sickle bar attachment is fitted to the three points on the tractor, the external tip of the cutting arm is approximately 2 inches. foward with respect to the arm base (Fig. 40).
- Using chain (F, Fig. 41), adjust the height of the sickle bar attachment with respect to the tractor. Attach the appropriate link to the special plate hole (G, Fig. 41).
 Mark the link used so that the same postion may be used each time the sickle bar is fitted to the tractor.
- Adjust inclination of the cutting arm teeth using tie rod (H, Fig. 42).





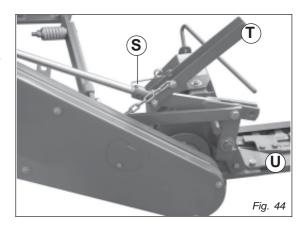
 Adjust the cutting height (Fig. 43) by moving the mowing bar on the holes of the inner mowing bar support (I), and, turning the nut of the outer mowing bar support (J), bring it level with the ground.



Using the lifting device

Once you have positioned the equipment, prepare it for mowing:

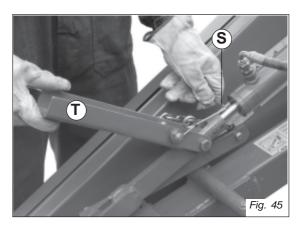
- release the blade tie rod;
- remove the support prop;
- remove the blade protection.

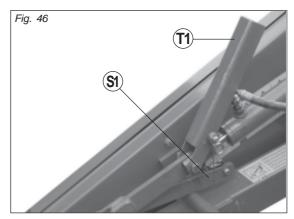


Operation of lifting device

To operate the device, put the spring (S, Fig. 45) in position (S1, Fig.46) (under the cylinder rod), so that the cylinder bracket (T, Fig. 45) is released forwards towards position (T1, Fig. 46).

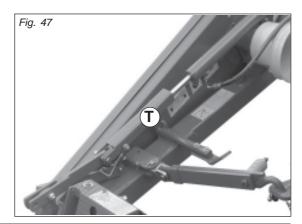
Climb into the tractor and operate the hydraulic distributor to lower the blade (U, Fig. 44) into the mowing position.





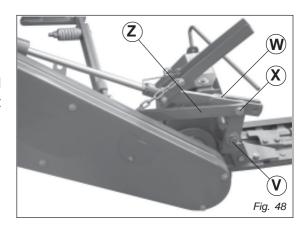


CAUTION: While working regularly check that the bracket (T) is still resting along the cylinder rod (Fig. 47).

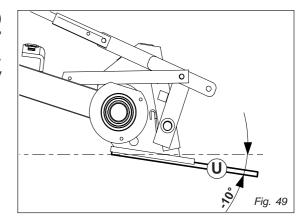


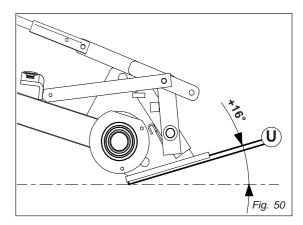
Mowing on flat ground (or ground with small depressions)

For mowing on flat ground, couple the lever (V) with tie rod (W) and the rod (Z) in position (X) of Figure 48. Lastly insert the lifting device as described in the previous paragraph.

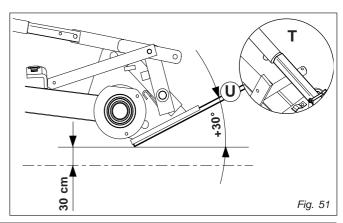


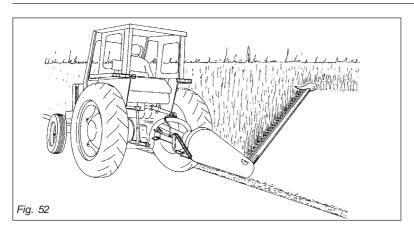
With the rapid lifting device engaged, the bar (U, Fig. 49) has a negative inclination of -10° and a positive one of +16° (Fig. 50) with respect to the horizontal plane during mowing. This system has been devised for mowing quickly and safely on flat ground or ground with small depressions.

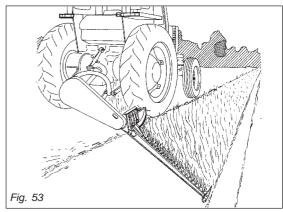




The operation of the lifting device up to the stop of the bracket on the cylinder (T, Fig. 51) allows the equipment to be raised by approx. 12 inches from the ground and, at the same time, an inclination of the blade (U, Fig. 51) of + 30°, so that the end of field maneuvers can be carried out.







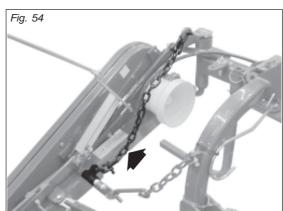
Mowing on slopes

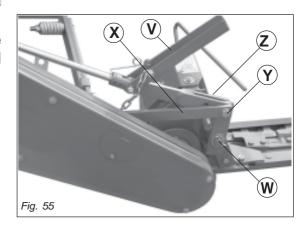
Figures 52 and 53 show various types of mowing on sloping ground (banks, canals, etc.).



CAUTION: For mowing on surfaces that are not parallel to the tractor plane, we recommend removing the moving guide from the outer mowing bar support. To mount pulling of Fig. 54 in order to improve the excursion and use of the sickle bar.

For mowing on sloping ground, disable the lifting (V) device as shown in Figure 55 and couple the lever (W) with tie rod (Z) and the rod (X) in position (Y) as shown in Figure 55.

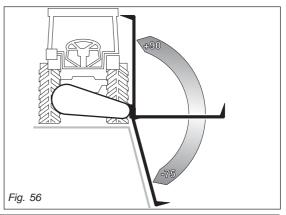




In this way the bar can be adjusted with the hydraulic cylinder to mow at different angles: from -75° to +90° with respect to the horizontal plane formed by the tractor (Fig. 56).

IMPORTANT:

The sickle bar can operates in each position between -75° to +90°.

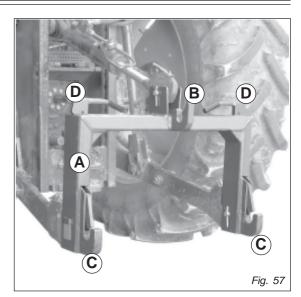


OPERATING - QUICK COUPLER

Quick Coupler

The Quick Coupler must be used only with hydraulic lifting system.

- 1) Install hitch Quick Coupler (A, Fig. 57) on the tractor (see tractor operator manual).
- 2) Parking the sickle bar on a flat and compact ground supported by the relative supports. Then slowly move the tractor back until the Quick Coupler (A) is in range with the point hitches (B and C, Fig. 57).
- 3) Raise the Quick Coupler (A, Fig. 57) and make sure

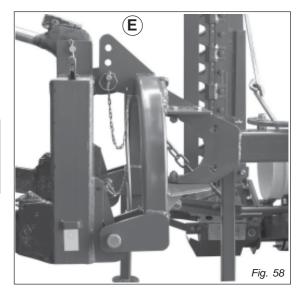


that sickle bar hitch is in the right position (E, Fig. 58).



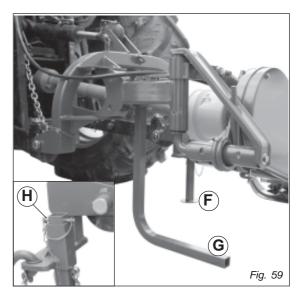
CAUTION: Before you work around hitch:

- STOP engine.
- LOCK park brake.
- FIRMLY block mower on horizontal surface.



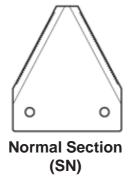
Removing sickle bar mower with Quick Coupler

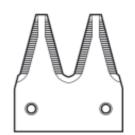
- 1. Raise sickle bar.
- 2. Put parking stand (F and G, Fig. 59) in the DOWN position: install spring locking pin in order to secure parking stand (H, Fig. 59).
- 3. Lower sickle bar to the ground.
- 4. Raise the two Quick Coupler levers (D, Fig. 57) to unloch sickle bar.
- 5. Lower Quick Coupler till further free the sickle bar.



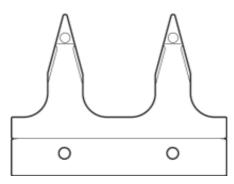
How to choose between sickle bars

TYPE OF THE		TYPE OF THE FORAGE						
	OUND	Dry and lignificated (gramineae)	Humid, packed and low (cat coat)	Humid and packed (Lucerne-Clover)	Big and high (forage of the sorghum, corn)			
Level	Normal	DSS - SD/SN	DSS - SD	DSS - SN	DSS - SN			
Le	Stny field DSS - SD/SN		DSS - SD	DSS - SN	DSS - SN			
≣	Normal	DSS - SD/SN	DSS - SD	DSS - SN	DSS - SN			
	Stny field	DSS - SD/SN	DSS - SD	DSS - SN	DSS - SN			
Mountain	Normal	DSS - SD/SN	DSS - SD	DSS - SN	DSS - SN			
Mou	Stny field	DSS - SD/SN	DSS - SD	DSS - SN	DSS - SN			





Self sharping double section (SD)



Replaceable Normal tooth (DSS)

SERVICE MACHINE SAFETLY

Practice safe maintenance

- Understand service procedure before doing work. Keep area clean and dry. To avoid ...
- Never lubricate, service, or adjust machine while it is moving. Keep safety devices in place and in working condition. Keep hardware tight.
- To prevent from getting caught, keep hands, feet, clothing, jewelry, and long hair away from any moving parts.
- Before servicing machine, lower it to the ground. Disengage all power and stop the vehicle engine. Lock vehicle park brake and remove the key.
- Securely support any machine elements that must be raised for maintenance.
- Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Remove any buildup of grease, oil, or debris.
- Unauthorized modifications to the machine may impair its function and safety.

Wear appropriate clothing

- Wear close fitting clothing and safety equipment appropriate for the job.
- Loud noise can cause impairment or loss of hearing, wear a suitable protective device such as earplugs.
- Do not wear radio or music headphones while servicing the machine. Safe servicing requires your full attention.

11

Stay clear of rotating PTO shaft

Entanglement in rotating driveline can cause serious injury or death:

Stop the engine and be sure PTO shaft is stopped before getting near it.

Maintenance

Various servicing operations are listed in the following paragraphs. Lower running costs and longer machine life depend on constant and methodical compliance with these operations.

During work and maintenance operations, use suitable personal protective gear:



CAUTION

- The given frequencies are indicative and refer to normal conditions of use. They may therefore
 be subject to variations in relation to the type of service, a more or less dusty environment,
 seasonal factors, etc.
- In the case of heavy-duty conditions, the maintenance operations should obviously be more frequent.
- Before injecting grease into the lubricators, the greasing points must be thoroughly cleaned to prevent mud, dust or foreign bodies from mixing with the lubricant, thus reducing lubricating effect.



ATTENTION

It is absolutely essential to disengage the tractor pto, lower the mowing machine, switch off the tractor, ensure that this is at a complete standstill and remove the key before servicing, adjusting the implement for work. All assembly operations must be carried out on a work bench.

- Always keep oils and greases well away from children's reach.
- Always thoroughly read the warnings and precautions indicated on the containers.
- · Avoid contact with the skin.
- Always thoroughly and fully wash after use.
- The utilized oils should be treated in compliance with the current laws in force.



SERVICE MACHINE SAFETLY

- Do not proceed with maintenance and cleaning if the power take-off has not been disconnected first, the engine power off, the hand brake pulled and the tractor blocked with a wooden block or stone of the right size under the wheels.
- Periodically check that the bolts and nuts are tight, and if necessary tighten them again. For this it would be advisable to use a torque wrench, respecting the values of 52 Nm for M10 bolts, resistance class 8.8, and 143 Nm for M14 bolts resistance class 8.8 (Table 1: **Bolts tightening torques**).
- During assembling, maintenance, cleaning, fitting, etc., with the mowing machine raised, place adequate supports under the equipment as a precaution.
- The spare parts must correspond to the manufacturer's specifications. **Use only original spares**.

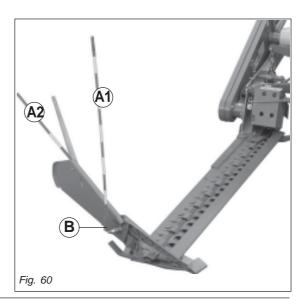
Bolts tightening torques - settings given in Nm (lb-ft)

(Table 1)

Fine pitch screws	CLASS							
(metric)	6.6	8.8	10.9	12.9				
M8 x 1	15 (11)	26 (19)	36 (26.5)	44 (32.5)				
M10 x 1.25	30 (22)	52 (38)	74 (54)	88 (65)				
M12 x 1.25	51 (37.5)	91 (67)	127 (94)	153 (113)				
M14 x 1.5	81 (60)	143 (105)	201 (148)	241 (178)				
M16 x 1.5	120 (88)	214 (158)	301 (222)	361 (266)				
M18 x 1.5	173 (127)	308 (227)	433 (319)	520 (384)				
M20 x 1.5	242 (178)	431 (318)	606 (447)	727 (536)				
M22 x 1.5	321 (237)	571 (421)	803 (592)	964 (711)				
M24 x 2	411 (303)	731 (539)	1028 (758)	1234 (910)				
M27 x 2	601 (443)	1070 (790)	1504 (1110)	1806 (1333)				
M30 x 2	832 (614)	1480 (1090)	2081 (1535)	2498 (1843)				

Hazard bar

The hazard bar has been included with the equipment of the machine for safety reasons, to indicate the space occupied by the mower at work. For working, position the hazard bar in position (A1, Fig. 60) and lock it in place with the screw (B). For transport put it in position (A2).



Lubrification

WARNING: • Firmly block sickle bar on horizontal surface.

- Always keep oils and greases well away from children's reach.
- Always thoroughly read the warnings and precautions indicated on the containers. Avoid contact with the skin.
- Always thoroughly and fully wash after use. The utilized oils should be treated in compliance with the current anti-pollution laws.



 During the first working hours, check that the screws are tight (Fig. 71).

Every 8 work hours

- Grease points (A and B, Fig. 61).
- Grease the cardan shaft and its telescoping parts.
- Adjust belt tension periodically by adjusting nut (A, Fig. 62). Check tension via the viewing panel on the belt guard.
 Belt slack must not exceed 1 inch. It is essential to close the inspection hatch with the relative lid after the belts have been examined.

B A GREASE Fig. 61

Every 50 work hours

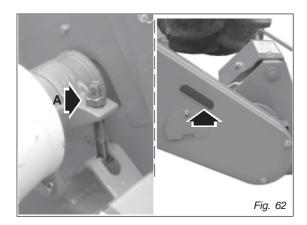
• Check the tightness of the connecting rod bolts regularly (Fig. 63).

Periodically (6 months)

• Grease point (A and B, Fig. 61).

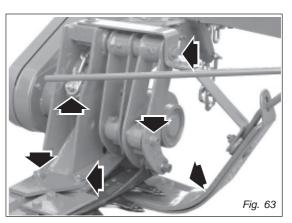
After each mowing

 Clean and oil the mowing bar blades according to the instructions in the chapter entitled: "Cleaning and oiling the cutters".



Lubricants

- It is advisable to use SAE 85W/140 OIL or equivalent for the reduction unit (or gear box) and side transmission.
- It is advisable to use GR MU EP 2 GREASE or equivalent for all greasing points.



Cleaning and oiling the sickle bar

DANGER

Cleaning and oiling are very dangerous operations. Always comply with the following instructions:

- Lift the implement by means of the lift links in a flat place where it cannot slip;
- Operate the mowing bar, checking that there are no persons or animals in the vicinity;
- Brake the tractor and make sure it is unable to move;
- Wash the sickle bar with a jet of pressurized water, standing at least one and a half meters away from the implement;
- Switch off the tractor, remove the starter key and disengage the pto;
- Check the condition of the cutters;
- When the mowing bar is dry, oil the cutters with very viscous oil;
- Operate the sickle bar for a few seconds, checking that there are no persons or animals in the vicinity;
- Switch off the tractor, remove the starter key and disengage the pto:
- Fit the guards over the cutters and outer skid (C Fig. 60)

Each start of season

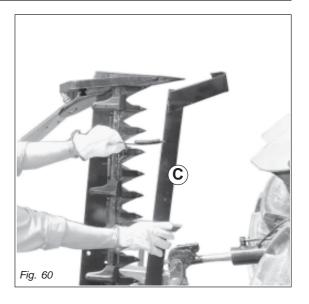
At the start of each season it is important to check that the connection between the tooth-holding bar (D Fig. 61) and the blade guide (E) is correct.

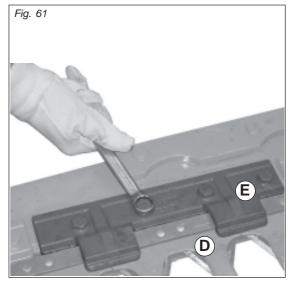
After many hours of work, wear of the blade guide material may be seen, and this will cause an increase in the coupling tolerance with the tooth blade.

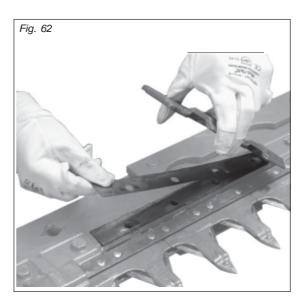
It is therefore advisable to restore the correct tolerance:

- unscrew the blade guide (Fig. 61);
- remove one or more shims (Fig. 62);
- put the blade guide back in the same position.

IMPORTANT: When replacing the teeth or the toothholding bar, carry out the check described above. When required, put back the shims to avoid striping or damage.







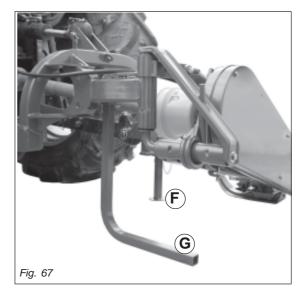
SERVICE

Storage

It is advisable to proceed in the following way at the end of the season or if the machine is to remain inactive for a long period of time:

- Treat the implement in compliance with the instructions given in the chapter entitled: "Cleaning and oiling the cutters".
- Carefully check for any damaged or worn parts and replace these as necessary.
- Fully torque all screws and bolts.
- Apply a little lubricant to the unpainted parts.
- Protect the entire implement with a cover.
- Lastly, store the implement in a dry place where it cannot be tampered with by unauthorized persons; the mowing machine must be set-up on flat and compact ground, supported by the relative supports (F and G, Fig. 67).

Careful compliance with these instructions will be all to the advantage of the user who will be sure to use an implement in perfect conditions when work begins again.



Extra maintenance



ATTENTION

It is absolutely essential to disengage the tractor pto, lower the mowing machine, switch off the tractor, ensure that this is at a complete standstill and remove the key before servicing, adjusting the implement for work. All assembly operations must be carried out on a work bench.

Replacement of section-holding bar (L fig. 70)

- With the implement resting on the ground, open the mowing bar.
- Remove the expansion pin (H, Fig. 68) and pull out the section-holding bar (Fig. 69) with the hooking tie rod (I Fig. 69).
- Insert the new section-holding bar and lock it in place with the expansion pin. Lubricate the cutters with very viscous oil during the assembly phase.

Replacement of sections (J fig. 70)

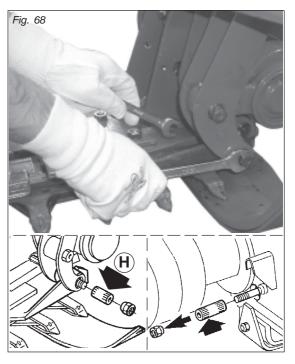
- With the implement resting on the ground, open the mowing har
- Remove the expansion pin (H, Fig. 68) and slide out the section-holding bar (Fig. 69).
- Remove the damaged section using a pin punch (7 Fig. 4 on page 6).
- Rivet a new section with the rivets provided (J Fig. 70).
- Insert the section-holding bar and lock it in place with the expansion pin.

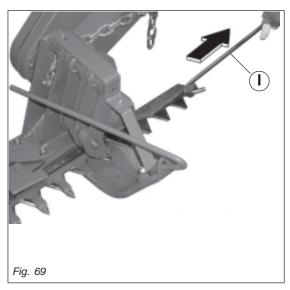
Replacement of tooth-holding bar (riveted) (N Fig. 70)

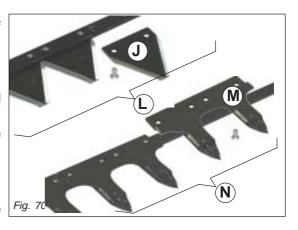
- With the implement resting on the ground, open the mowing bar.
- Remove the expansion pin (H, Fig. 68) and slide out the tooth-holding bar (Fig. 69).
- Insert the new tooth-holding bar and lock it in place with the expansion pin.

Replacement of tooth (riveted) (M Fig. 70)

- With the implement resting on the ground, open the mowing bar.
- Remove the expansion pin (H, Fig. 68) and slide out the tooth-holding bar (Fig. 69).
- Remove the damaged tooth using a pin punch.
- Rivet a new tooth with the rivets provided (M Fig. 70).
- Insert the tooth-holding bar and lock it in place with the expansion pin.









ATTENTION

It is absolutely essential to disengage the tractor pto, lower the mowing machine, switch off the tractor, ensure that this is at a complete standstill and remove the key before servicing, adjusting the implement for work. All assembly operations must be carried out on a work bench.

Replacement of bar holding removable tooth

- With the implement resting on the ground, raise the mowing bar and secure it with the hooking tie rod.
- Unscrew all the tooth fastening screws (Fig. 71).
- Remove all the teeth (Fig. 72).
- Remove the expansion pin and slide out the bar.
- Insert the new tooth-holding bar and lock it in place with the expansion pin.
- Reposition the teeth and fasten them with the screws.

Replacement of removable tooth

- With the implement resting on the ground, raise the mowing bar and secure it with the hooking tie rod.
- Unscrew the screws of the tooth to be replaced (Fig. 71).
- Slide out the tooth (Fig. 72), put in the new one and lock it in place with the screws. For this it would be advisable to use a torque wrench, respecting the values of 30 Nm.

Replacement of belts

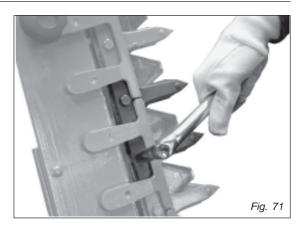
- Unscrew the screws (O, Fig. 73) and remove the protective casing.
- Loosen the belt tensioner completely (P, Fig. 73).
- Replace the worn belts with new ones.
- Put these at the optimum tension using the belt tensioner. Belt play should not exceed 1 inch.
- Put the protective casing back in position and fix it in place with the screws (O, Fig. 73).

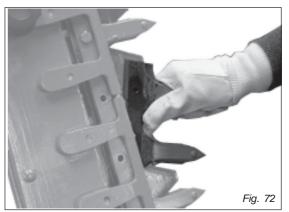
Replacement of pulleys

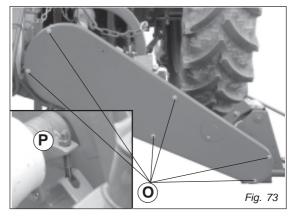
Notes for replacement of pulleys, if necessary.

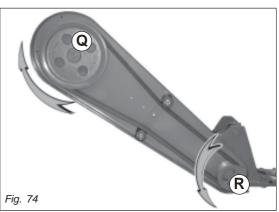
- Unscrew the screws (O, Fig. 73) and remove the protective casing.
- Loosen the belt tensioner completely (P, Fig. 73).
- Remove the belts.

To replace the driving pulley (Q, Fig. 74), turn it counterclockwise; viceversa, turn the driven pulley (R, Fig. 74) clockwise.



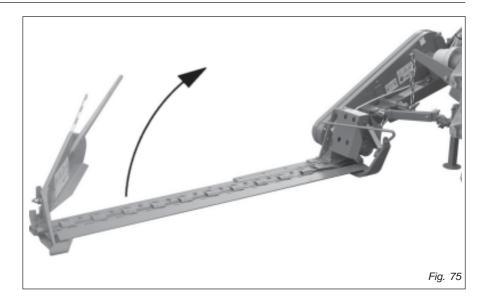






TRANSPORT ON THE ROAD

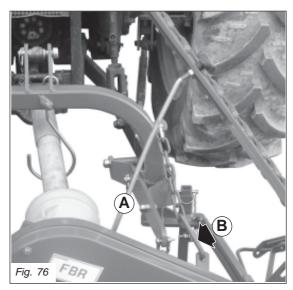
Transport on road

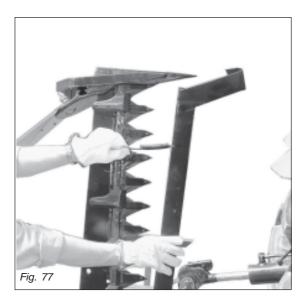


For transport, adjust and fix the chains of the side lifting arms of the tractor; lift the mowing bar (Fig. 75); secure it with the hooking tie rod (A, Fig. 76); slide in the safety hook (B, Fig. 76); cover the cutting blades and the outer mowing bar support with the guards provided (Fig. 77); lift the implement; put the hydraulic lifting command lever in the locked position.

Transport on Road

- When driving on public roads, be sure to follow the highway code of the country involved.
- Any transport accessories must be provided with suitable signs and guards.
- It is very important to remember that road holding capacity as well as direction and braking capacity can be influenced, sometimes con-siderably, by equipment being either carried or towed.
- When negotiating curves, be aware of the variation in centrifugal force exerted in a position other than that of the center of gravity, with and without the equipment in tow. Also pay greater attention on sloping roads or ground.
- For displacements beyond the work area, the equipment must be placed in the transportation position.
- When the dimensions of carried or partially-carried equipment conceal the tractor's signalling and lighting devices, these must also be installed on the equipment itself, in conformity with regulations of the highway code of the country involved. When in operation make sure that the lighting system is in perfect working order.





DEMOLITION AND DISPOSAL

Demolition and disposal

This operation is to be carried out by the customer.

Before demolishing the machine, you are advised to carefully check its physical condition and ascertain whether there are any parts of the structure that may be susceptible to structural collapse or breakage during demolition.

The customer should operate in compliance with the environment protection laws in force in his/her country.



CAUTION

The machine demolition operations should be carried out by skilled personnel only, equipped with suitable protective clothing (safety footwear and gloves) and auxiliary tools and equipment. All the disassembly operations for demolition should be carried out with the machine stopped and detached from the tractor.

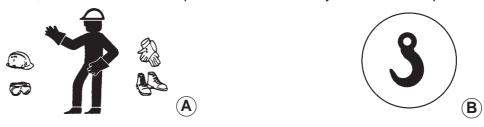
Before demolishing the machine, you are advised to render harmless all the parts that may be a source of danger and therefore:

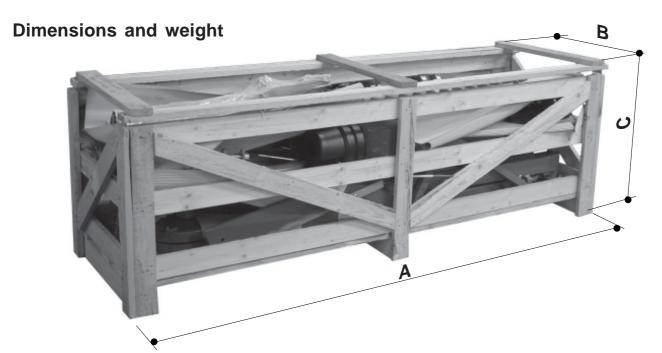
- scrap the structure using specialized firms,
- remove any electrical apparatus according to the laws in force,
- collect oils and greases separately, to be disposed of through specialized firms, in accordance with the regulations of the country in which the machine was used.

When the machine is demolished the identification label must be destroyed together with this manual.

Foreword

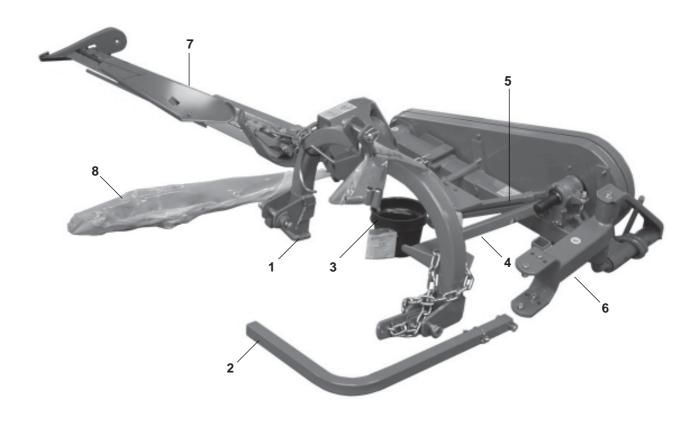
This chapter describes the phases involved in assembling a crated mower. When handling and assembling the unit, and subsequently during use and maintenance, always use suitable personal protection devices (A): always wear suitable clothing and the indicated protections. See the operating manual supplied with the unit for indication of the symbols used in this manual. When handling the unit, lift it by hooking up the special attachments and using a suitable hoist or crane rated for the weight of the unit. This operation is quite dangerous and must only be performed by prepared, responsible personnel. The machine weight is indicated on the ID label. The hook-up points are identified by the "hook" symbol (B). When moving the unit, make certain that all protections and safety devices are in place.



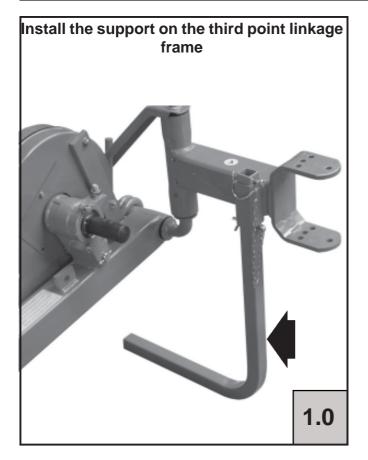


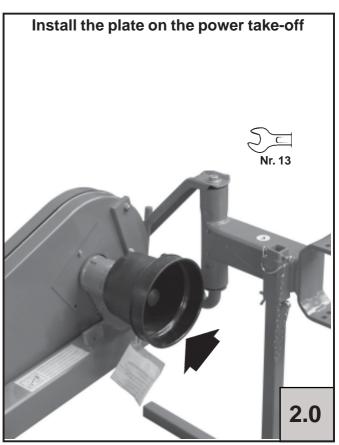
TYPE TYPE	A (mm - inch)	B (mm - inch)	C (mm - inch)	(kg - <i>lb</i>)
FBR 1.30 (X2)	2340 - 92	700 - 27.5	740 - 29	460 - 1012
FBR 1.45 (X2)	2340 - 92	700 - 27.5	740 - 29	480 - 1056
FBR 1.75 (X2)	2340 - 92	700 - 27.5	740 - 29	520 - 1144
FBR 2.05 (X2)	2340 - 92	700 - 27.5	740 - 29	560 - 1232
FBR 1.30 (X5)	2340 - 92	1400 - 55.1	1000 - 39.4	950 - 2090
FBR 1.45 (X5)	2340 - 92	1400 - 55.1	1000 - 39.4	1000 - 2200
FBR 1.75 (X5)	2340 - 92	1400 - 55.1	1000 - 39.4	1100 - 2420
FBR 2.05 (X5)	2340 - 92	1400 - 55.1	1000 - 39.4	1200 - 2640

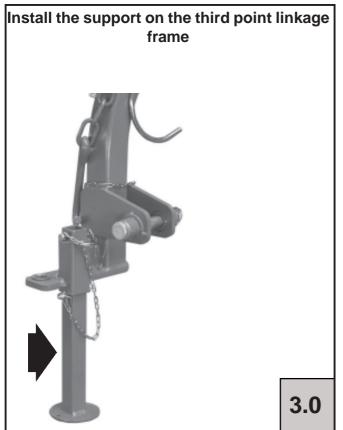
Sickle bar components



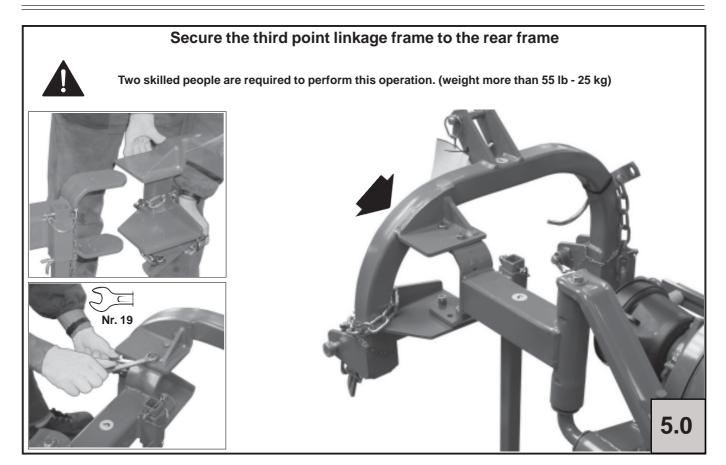
- 1) THIRD POINT LINKAGE FRAME.
- 2) SUPPORT.
- 3) POWER PTO PLATE.
- 4) FRONT PLATE.
- 5) TRIP TIE-ROD.
- 6) REAR FRAME.
- 7) BLADE HOLDER.
- 8) MECHANICAL LIFTING SYSTEM
- 8) HYDRAULIC LIFTING SYSTEM

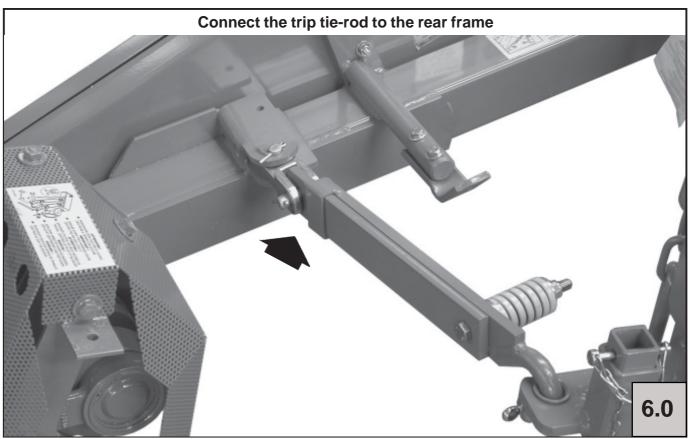


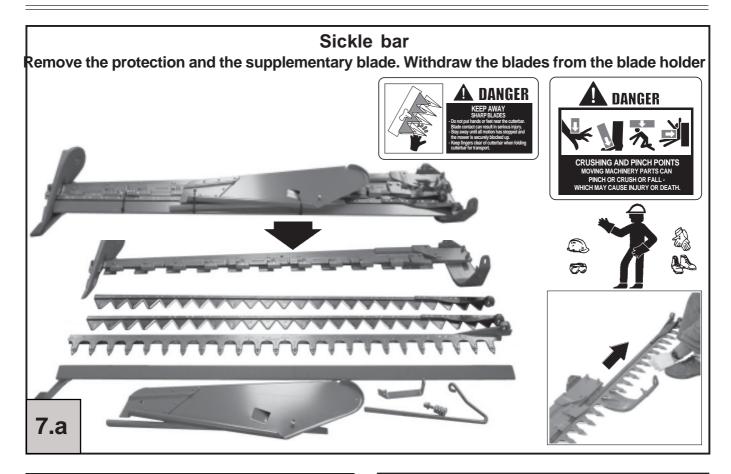


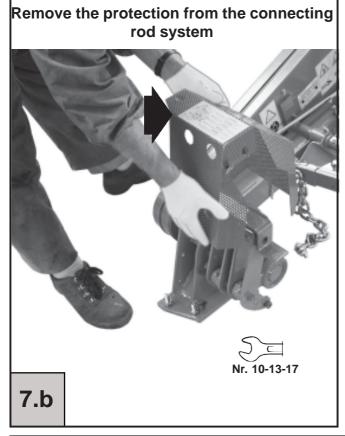


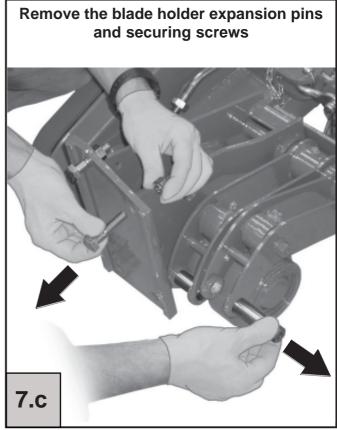


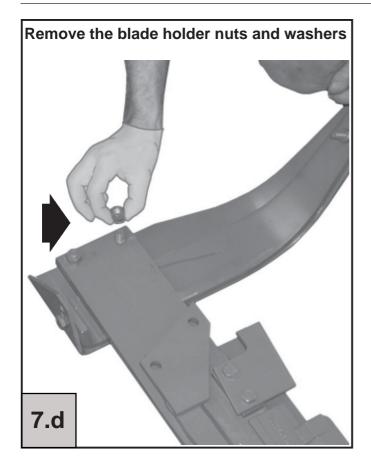


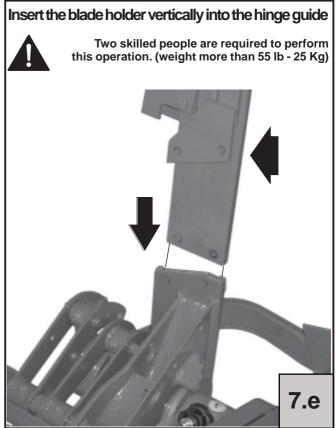


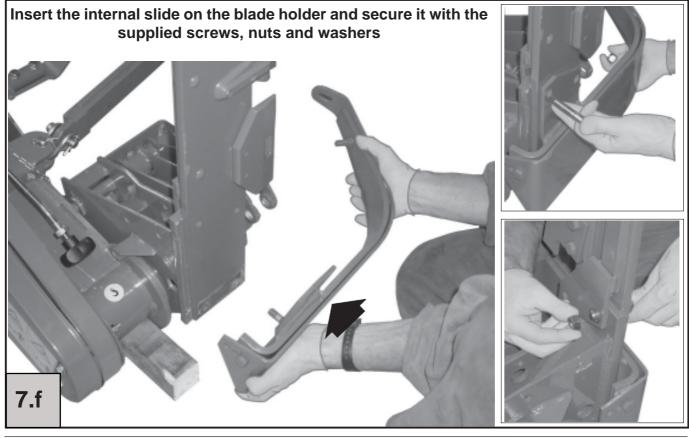


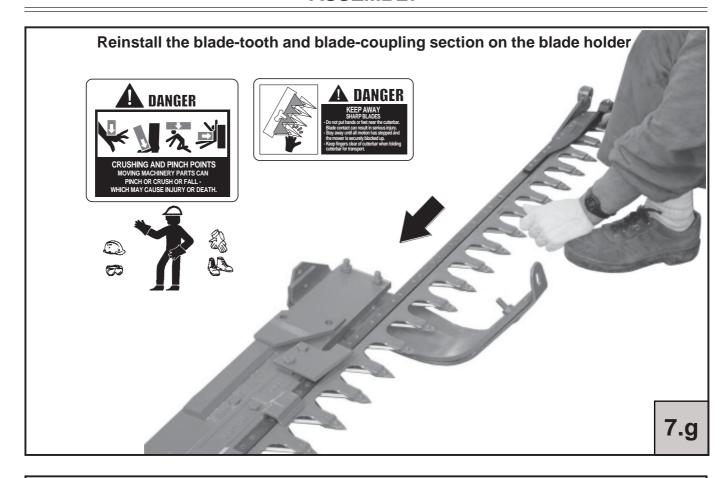


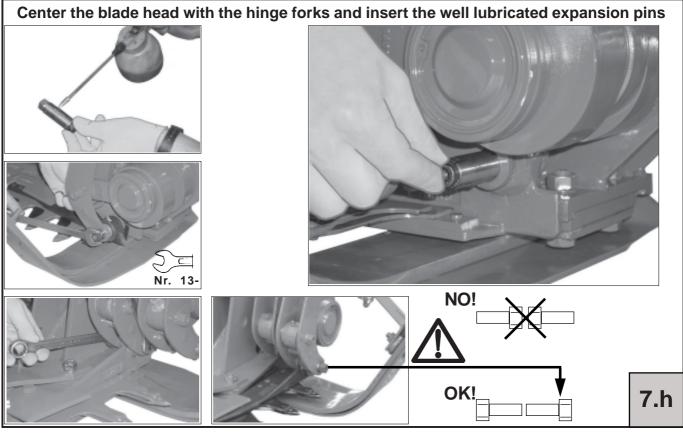


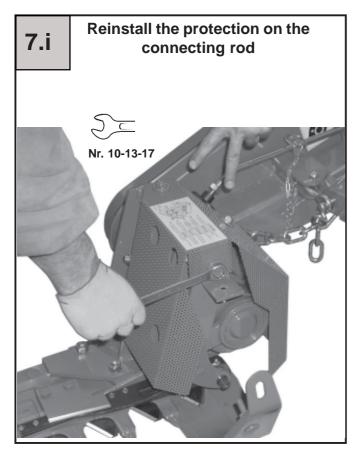


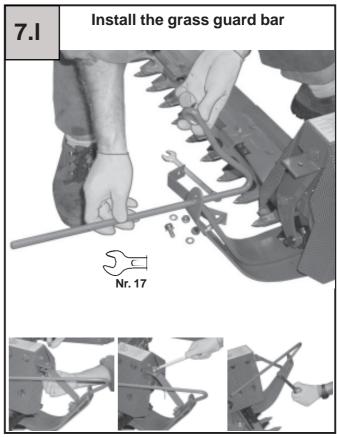


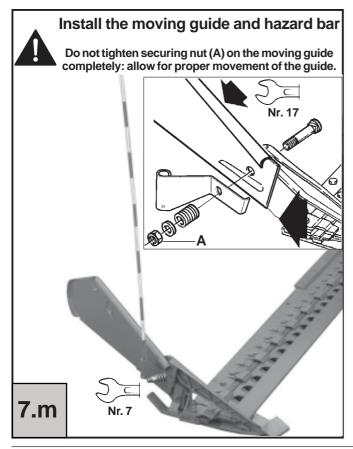




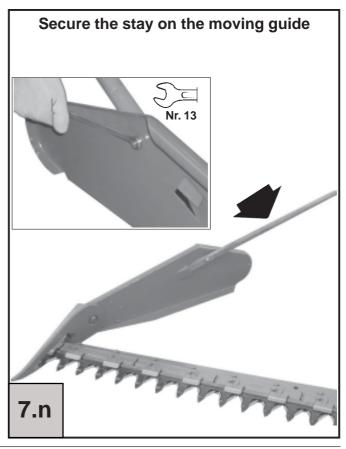








cod. G19502181



SPARE PARTS

Spare parts

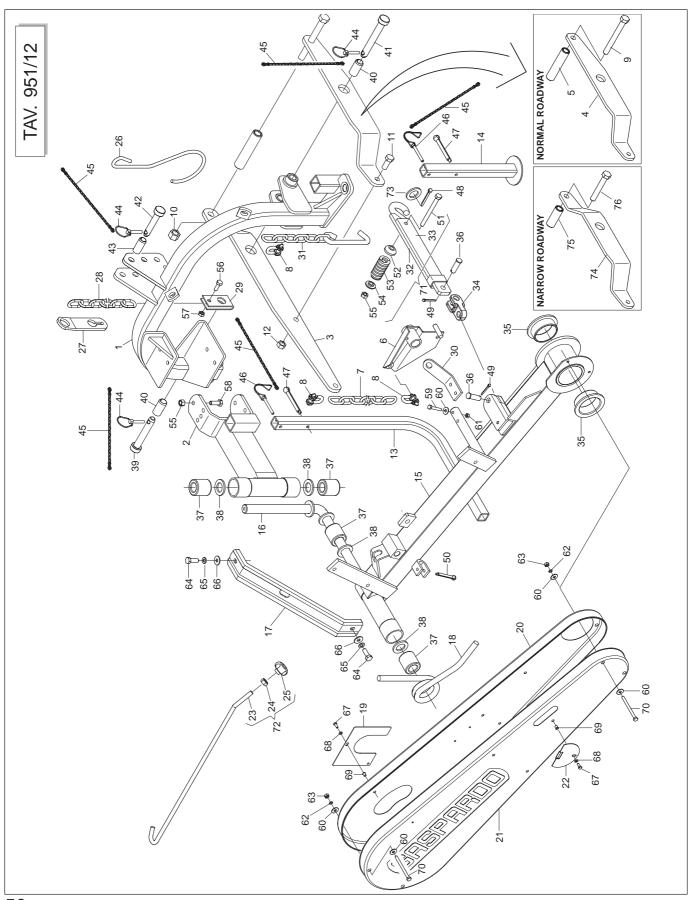
Orders must be transmitted through our area dealers and should always include the following indications:

- Type, model and serial number of the machine. These data are punched on the data plate with which every implement is equipped.
- Code number of the required spare part. This will be found in the spare parts catalogue.
- Description of the part and required quantity.
- Means of dispatch. If this item is not indicated, the Manufacturer, while dedicating particular care to
 this service, shall not be held responsible for delays in delivery caused by cases of force majeure.
 Transport expenses shall always be at the consignee's charge. The goods travel at the purchaser's
 risk and peril even when sold ex destination.

NOTE: The terms Right or Left indicated in the descriptions refer to the implement when viewed from the rear side.

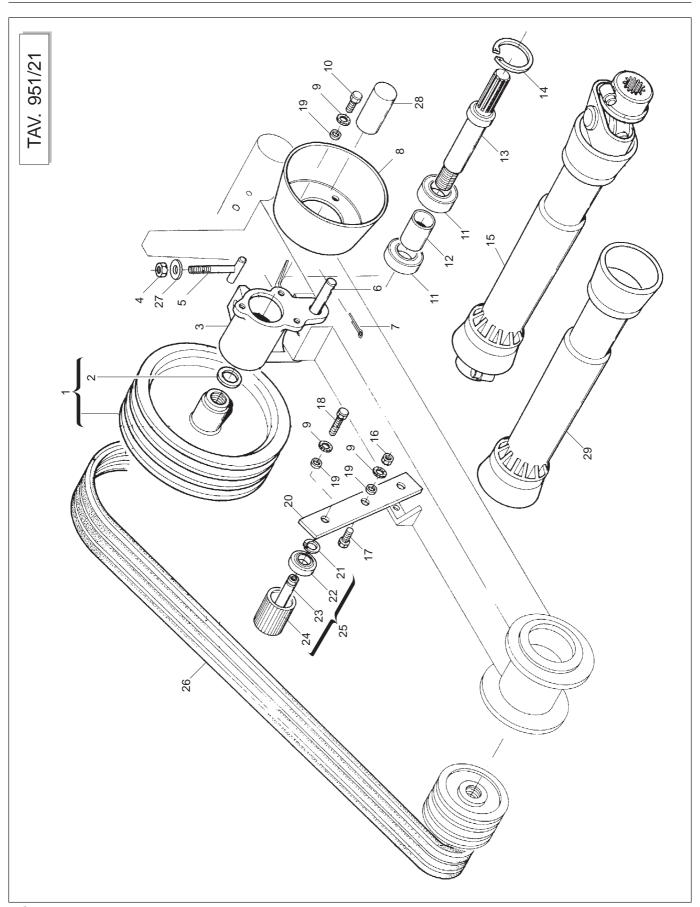
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Cutting blade (replaceable tooth)Tav. 951/53	pag. 58
Hydraulic lifting system	Tav. 951/63	pag. 60

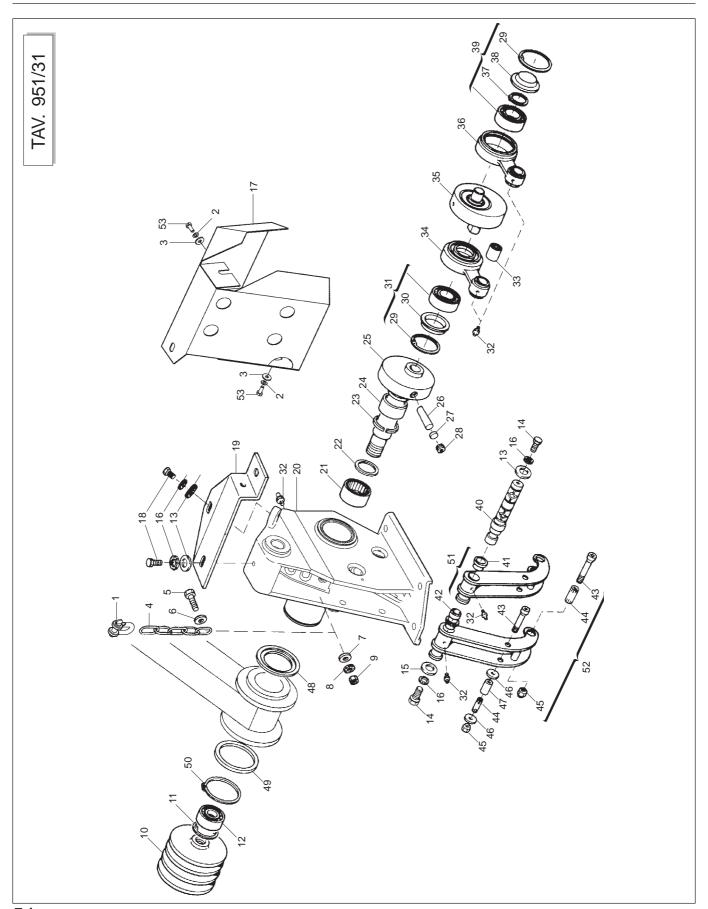


SPARE PARTS

	FRAME				TAV. 951/12
Pos.	Cod.	Description	Pos.	Cod.	Description
_	G12217591	FBR FRAME	39	F20100047	NIA
7	G12217821	JOINT	40	G21010042	BUSHING 12. POINT
က	G12217600	LONGARM	41	F20100115	GASPARDO PIN 22X144 ZN
4	G12217610	SHORTARM	42	F20100035	PIN
2	G12217620	ARM SPACER	43	G12217660	THIRD POINT BUSH
9	G21120006	LIFTER ROCKER	44	F02200507	SNAP PIN D 9 B/83
7	G21120007	ARM SIDE CHAIN L.600	45	G13812311	CHAIN WITH SPRING CATCH
∞	F02250667	CLEVIS- 3/8- GALVANISED- ART.	46	F02200562	SPLIT PIN
6	F01020323	SCREW 20X200 5737 8.G ZN	47	F02200272	SPLIT PIN 10 X60 1336 GALVAN.
10	F01220288	NUT-TRISTOP M20	48	F02200259	SPLIT PIN 8X45 1336
7	F01020566	BOLT M16X2X40	49	F02200195	SPLIT PIN 4 X25 1336 GALVAN.
12	F01220266	NUT-TRISTOP M16	20	F02200260	SPLIT PIN 8 X60 1336 GALVAN.
13	G12217810	PROP TUBE	51	F01020176	BOLT M 12X130
14	G12217650	FRONT PROP	25	G21120301	CONE DISCONNECT FB940
15	G12217800	HINGE BEARING ARM	53	F02400013	SPRING G 38X75 SPECIAL SPRINGS
16	G21030010	ARMARTICULATION	24	G22310047	REAR ARM BUSHING DP
17	G21120212	JOINT ELEMENT FB/S	22	F01230058	SELF LOCKING NUT M12X1,25
8	G21120319	HINGE ARM SPRING FB940	26	F01020476	BOLT M 10X30
19	G12236470	DRIVEN AXLE PULLY PROTECTION	22	F01220233	NUT TRISTOP M10
20	G21120215	INNERPROTECTION CASE FB/S	28	F01020512	BOLT M 12X35
21	G21120216	OUTERPROTECTION CASE FB/S	29	F01020072	BOLT M 8X50
22	G21120217	INSPECTION OPENING COVER-GUARD	09	G20970140	WASHER 20X2X8,5
23	G12216400	TIE ROD	61	F01230034	SELF LOCKING NUT M8X1,25
24	F01200306	NUT M14X2	62	F01430059	WASHER D8 DIN 6798 D.INT.ZN
25	F06220011	6-LOBE HANDWHEEL M14	63	F01200244	NUT M8
56	F20120400	SHAFT HOOK	64	F01020510	BOLT M 12X30
27	G21030007	TRACTOR COUPLING PLATE	65	F01430071	WASHER D12 DIN 6798 D.INT.ZN
28	G21030035	CHAIN L.900	99	G20970035	WASHER 32X4X13
59	G21030034	FRAME COUPLING	29	F01020403	BOLT M 6X16
30	G21120308	SAFETY HOOK COUPLING FB940	89	F01410037	PLANE WASHER D.6
31	G12217710	SAFETY CHAIN HOOK	69	F02250680	THREADED INSERT M6X13 ZN
32	G12217680	SLIDING ROD	20	F01020092	BOLT 8 X110 5737 8.G GALVANIZ.
33	G12217761	SNAP TIE ROD GUIDE	71	G12217691	TRIP TIE-ROD
34	G12217950	FORK FOR TRIP TIE-ROD	72	G21120211	CUTTER BAR TIE ROD FB/S
35	G66248064	HINGE ARM BUSHING FB.	73	F01410124	PLANE WASHER D. 20
36	F20100504	U BOLT PIN D.16X45	74	G12217970	NARROW ROADWAY ARM
37	G21030027	RUBBER BLOCKS	75	G12217980	ARM SPACER
38	G20970067	WASHER 54X5X32	92	F01020317	BOLT M20X2,5X150

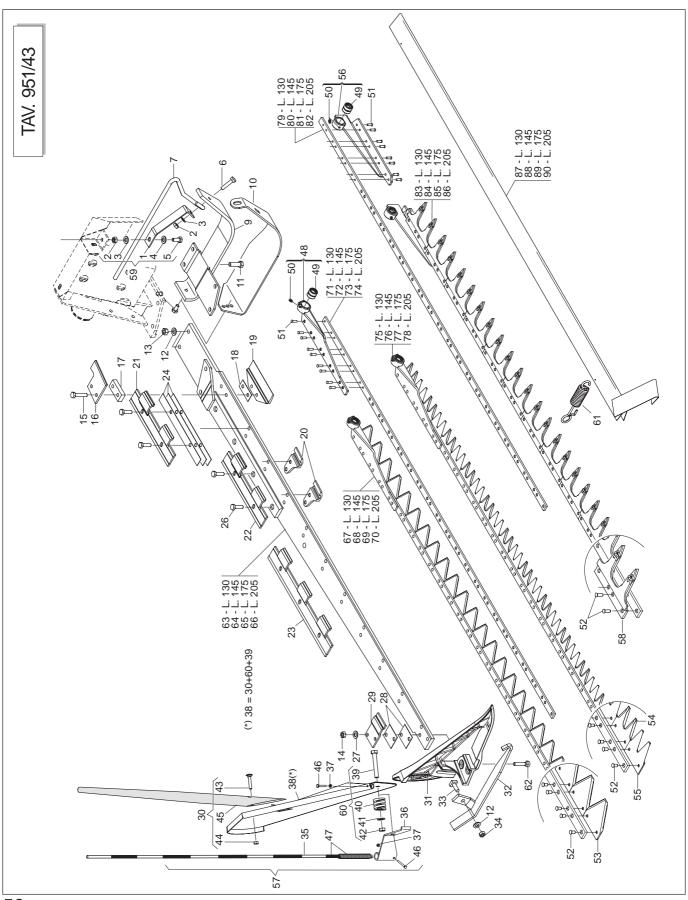


	TRANSMISSION	NON			TAV. 951/21	
Pos.	Cod.	Description	Pos.	Cod.	Description	
- 2	G21120117 G20970129	3 GROOVE DRIVING PULLEY WASHER 48X3X30-5				
က	G21030015	PTOSUPPORT				
4	F01200306	NUT M14X2				
2	G21120318	BELT REGISTER ASSY. FB940				
9	G21120013	INTERM. TRANSM. SUPP. PIN				
7	F02200227	SPLIT PIN 5 X30 1336 GALVAN.				
∞	F05150403	POWER TAKE-OFF PROTECTION HOUS				
၈	F01430059	WASHER D8 DIN 6798 D.INT.ZN				
10	F01020432	BOLT M 8X16				
7	F04010174	BEARING 6206 2RS				
12	G21030020	SPACER				
13	G21120152	POWER TAKE-OFF FB				
4	F02050637	STOP RING 62 UNI 7437-75				
15	F08011755	UNIVERSALJOINT B3 1000 AM				
16	F01200244	NUT M8				
17	F01060043	BOLT 8 X35 5732 4.6 GALVANIZED				
18	F01020440	BOLT M 8X25				
19	G20970140					
20	G21120226	BELT TIGHTENER ROLLERS SUPPORT				
71	F02050607	STOP RING 17 UNI 7435-75				
22	F04010161	BEARING 6203				
23	G21120119	3 GROOVE P.TIGHTEN. PIN				
24	G66248107	BELT TIGHTENER L.70 FB				
25	G21120121	TIGHTENER ROLLER 3G. CP				
26	F06010240	BELTS- B 93				
27	F01410088	PLANE WASHER D.14				
28	G66248227	POWER TAKE-OFF PROTECTION HOUS				
29	F08011124	SAFETY GUARD AM				
			-			



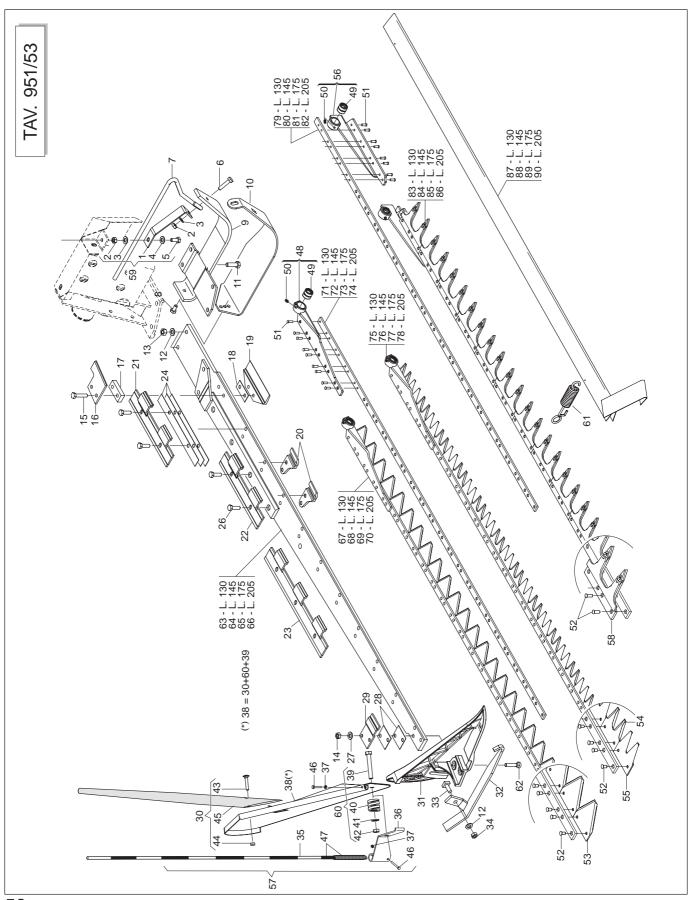
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951	
TAV.	

	HINGE				TAV. 951/31
Pos.	Cod.	Description	Pos.	Cod.	Description
_	F02250667	CLEVIS- 3/8- GALVANISED- ART.	37	F02050617	STOP RING 30 UNI 7435-75
7	F01430047	WASHER D6 DIN 6798 D.INT.GALV.	38	G21120028	PROTECTION PLUG
က	F01420036	FLAT WASHER 6-6X 18X2 6593 ZN	39	G21120154	KIT- EXT. CONN. ROD BEARING FB
4	G21120007	ARM SIDE CHAIN L.600	40	G21120224	HINGE BLADE SHAFT - ASSY.
2	F01020514	BOLT M12X1,75X40	41	G21120067	BRONZE BUSHING
9	G20970007	WASHER 35X8X13	42	G21120225	BLADES SPACER FB/S
_	G20970035	WASHER 32X4X13	43	G21120071	PIN FASTENING BOLT
œ	F01430071	WASHER D12 DIN 6798 D.INT.ZN	44	G21120069	EXPANSION PIN FB
6	F01200293	NUT M12	45	G21120068	CONICAL NUT
10	G21120118	3-GROOVE DRIVEN PULLEY	46	G20970519	BOTTOMED WASHER 39X20-25X5X1
7	F02050637	STOP RING 62 UNI 7437-75	47	G21120137	INTERNAL RING FB
12	F04010171	BEARING 6206 Z	48	G21120018	ANTERIOR WASHER
5	F01420060	WASHER 10,5X30	49	G20970023	WASHER 102X2X75-2
4	F01020479	BOLT M 10X35	20	F02050642	STOP RING 75 UNI 7435-75
15	G20970099	WASHER 38X4X11	21	G21120070	BLADE W/ BUSHINGS
16	F01430023	WASHER D10 DIN 6798 D.INT.ZN	25	G21120156	KIT- BLADE FASTENING PIN FB
17	G12236490	CONNECTING-ROD SYSTEM GUARD	53	F01020403	BOLT M 6X16
18	F01020472	BOLT 10X25 5739 8.G GALVANIZED			
19	G21120221	BLADE SHAFT SUPPORT FB/S			
20	G12236500	HINGE			
21	F04010363	BEARING DHK 5025			
22	F03011069	SEALING RING DH 50X58X4			
23	F04010409	SHOULDER RING WR 45			
24	F04100131	INTERNAL IR. RING 45X50X35			
22	G21120223	HINGE SPINDLE FB/S			
56	G21120126	CONIC PIN FB			
27	G21120136	PIN SPACER FB			
28	G21120127	PIN GRUB-SCREW FB			
53	F02050641	STOP RING 72 UNI 7437-75			
30	G66248111	DUST COVER HINGE FB			
31	G21120153	KIT- INT. CONN. ROD BEARING FB			
32	F01100011	SPHERE NIPPLE M6X1/A			
33	F04010362	BEARING DHK 2538			
34	G21120128	PIN HINGE CONNECTING ROD FB			
35	G21170020	HINGE ECCENTRIC			
36	G21170021	OUTER CONNECTING ROD			

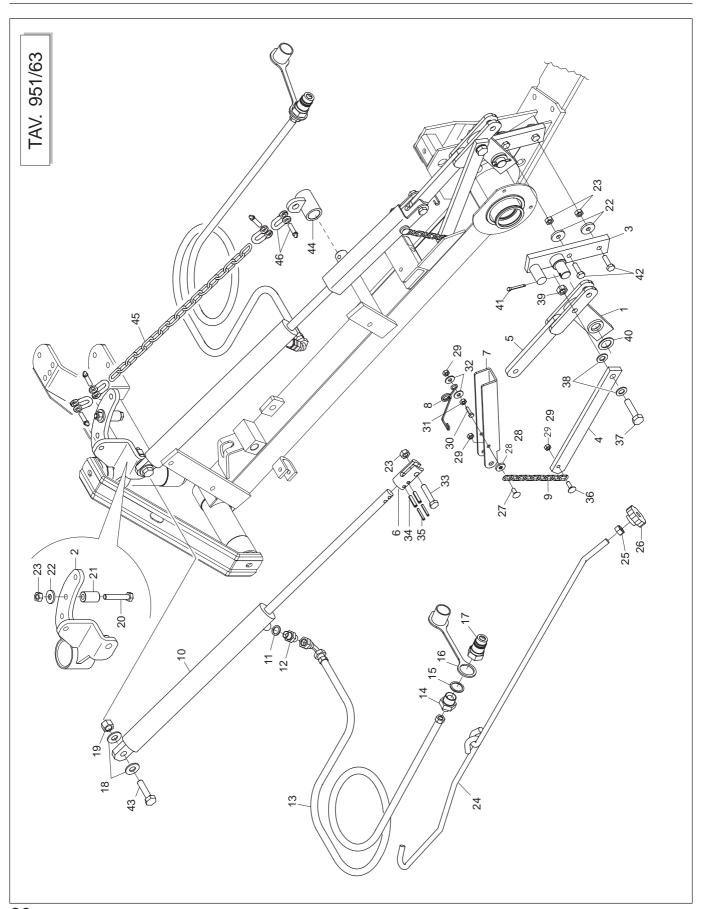


TAV. 951/43

COMPL. REMV.-TOOTHED BLADE FBR COMPL. REMV.-TOOTHED BLADE FBR COMPL. REMV.-TOOTHED BLADE FBR COMPL. REMV.-TOOTHED BLADE FBR DOUBLE EDGED BLADE GUIDE SECT **EXT.COMPLETE TOOTH BLADEHEAD** PACK BLAD.MOUNT.TSC 6 X19-8 KG DOUBLE-TIP SECTION BLADE 1.30 DOUBLE-TIP SECTION BLADE 1.45 REINFORCED BAR MT. 1.75 FB940 REINFORCED BAR MT. 2.05 FB940 DOUBLE-TIP SECTION BLADE 1.75 **BUSHING- BLADE HEAD 28X20X24 -OWER DOUBLE POINT SECTION** JPPER DOUBLE POINT SECTION COMPLETE PROTECTION MT 2,05 NTERNAL SECTION BLADEHEAD PACK BLAD.MOUNT.TSC 6 X13-8 **GUARD - PROTECTION MT.1-75** SWATHBOARD BOLT ASSY. FB TRACTION SPRING GUARD FS CUTTING BLADE MT.1-30 FB/S CUTTING BLADE MT.1-45 FB/S **CUTTING BLADE MT.1-75 FB/S** CUTTING BLADE MT.2-05 FB/S ROD SECTIONS MT. 1.30 FB/S ROD SECTIONS MT. 1.45 FB/S ROD SECTIONS MT. 1.75 FB/S ROD SECTIONS MT. 2.05 FB/S PROTECTION SHIELD 1.45M PROTECTION SHIELD 1.30M BLADE ROD- MT. 1.30 FB/S BLADE ROD- MT. 1.45 FB/S BLADE ROD- MT. 1.75 FB/S BLADE ROD- MT. 2.05 FB/S SCREW 4X35 5737 8.G ZN SCREW TSQST 10X45 8.8 SWATHBOARD - ASSY, FB SPHERE NIPPLE M6X1/A COMPLETE SPACER CUT SECTION FB/S BAR MT. 1.30 FB940 BAR MT. 1.45 FB940 SPECIAL TOOTH NDICATIN BAR Description G13013600 G13013610 G13013620 G13013630 G13013550 G13013540 G21120134 G13013810 G13013120 G21120133 G65337002 G21120313 G21120314 G21120315 G21120316 G21120238 G21120239 G21120240 G21120244 G21120245 G21120246 G13013840 G13013850 G13013860 G13011550 G13011590 G21120247 G21120249 G21120250 G21120252 G13013870 G21120048 F02250519 G21120243 G21120241 G21120107 G21120054 G21120112 G21120251 G21120063 F01020011 G13011660 F01100011 F02250520 F01030501 Pos. NORM.SELF-LOCKING NUT 4 GALVAN ZN SWATHBOARD COMP. SPRING. F **JPPER INNER BLADE GUIDE FB940 30LT 10X25 5739 8.G GALVANIZED 30LT 12X45 5737 8.G GALVANIZED** BOLT 10X45 5737 8.G GALVANIZED **30LT 12X80 5732 4.6 GALVANIZED 30LT 10X45 5732 4.8 GALVANIZED EXTERNAL UPPER BLADE GUIDE** RUNNER WIDE INT. SLIDE FB940 **30LT 8X40 5732 4.6 GALVANIZED** WASHER D12 DIN 6798 D.INT.ZN **UPPER INTERNAL BLADE GUIDE** WASHER D10 DIN 6798 D.INT.ZN SHIMS MM.1 UPPER EXT. GUIDE **UPPER EST.BLADE GUIDE 1,30** SELF LOCKING NUT M12X1,25 SHIMS- UPPER BLADE GUIDE **INNER LOWER BLADE GUIDE** NNER SLIDE SPACER FB940 SELF LOCKING NUT M8X1,25 HINGE PROTECTION FB940 **JUTER BAR SUPPORT FBR** NTERNAL RUNNER FB940 JPPER OUT. BLADE GUIDE SHIMS-LOWER INT. GUIDE NDICATION BAR SUPPORT CUTTING BLADE (TOOTH RIVETED) SWATHBOARD ROD ASSY. SWATHBOARD ROD ASSY. SWATHBOARD - ASSY, FB SCREW 10X35 5739 8.G **OWER BLADE GUIDE** JPPER BLADE GUIDE PLANE WASHER D.12 EXT. RUNNER SLIDE **NUT 11 UNI 5588 6.8 NUT TRISTOP M10** SHIMS MM. 10 FB/S **WASHER 10,5X21 WASHER 10,5X21 NDICATION BAR** 30LT T.Q. 11X30 **30LT M 10X20** Description **VUT M12** VUT M10 G19200903 G21120038 F01030508 G13011640 G13011650 F01230016 F01200293 G21120312 G21120044 G21120045 G21120042 G21120040 G21120039 F01060105 F01410076 F01060045 F01200270 F01430023 F01410064 F01020472 G21120322 F01020470 G21120323 G21120324 F01020154 F01220233 F01020112 G19202341 G13015581 G21120320 G1301065 F01020480 F01410064 G2080006′ F01200281 G21120134 G65338001 F01230058 F01230034 32080006 G2112032 F01060077 F01430071 G2112023 G1920233 Sod. Pos. 19 2 6 4 5 9 7 8 6



	CUTTING BL	CUTTING BLADE (REPLACEABLE TOOTH)			TAV. 951/53
Pos.	. Cod.	Description	Pos.	Cod.	Description
← 0	G21120321	INNER SLIDE SPACER FB940	50	F01100011	SPHERE NIPPLE M6X1/A
ν m	F01430023	WASHER D10 DIN 6798 D.INT.ZN	52	F02250519	PACK BLAD.MOUNT.TSC 6 X13-8
4 r	F01410064	WASHER 10,5X21	53	G21120243	CUT SECTION FB/S
ဂ ဖ	F01020472	BOLI 10X25 5/398.G GALVANIZED BOLT 10X45 5732 4 8 GALVANIZED	ა ი 4 ი	G13013550 G13013540	LOWER DOUBLE POINT SECTION UPPER DOUBLE POINT SECTION
<u> </u>	G21120322	HINGE PROTECTION FB940	26	G13013230	COMPL. BLADE HEAD W/ REMV. TEE
œ	F01020470	BOLT M 10X20	22	F02250520	PACK BLAD.MOUNT.TSC 6 X19-8 KG
6	G21120323	INTERNAL RUNNER FB940	28	G13013830	SPECIAL REMOVABLE TEETH
2 5	G21120324 E01020154	KONNEK WIDE INT. SLIDE FB940	6 G	F01010222	SCREW 8X1X12 5/40 10.9
- 2	F01020134	WASHER D12 DIN 6798 D INT 2N	9 6	G65337002	TRACTION SPRING GLARD ES
<u>წ</u>	F01200293	NUT M12	62	F01030501	SCREW TSQST 10X45 8.8
1 t	F01220233	NUT TRISTOP M10	63	G13013120	COMPLETE SPACER
1 2 4	F01020114	BOLI 10X50 5/3/ 8.G GALVANIZED	4 q	GZ1120133	SWATHBOARD BOLL ASSY. FB
17	G13011600	OTTEN INNER BLADE GOIDE TB840 INT BLADE GUIDE SUPPORT	99	G20800061	SWATHBOARD ROD ASSY.
. &	G21120044	SHIMS-LOWER INT. GUIDE		G13013390	REMV. TOOTH-HOLDING BAR 1.30
19	G21120045	INNER LOWER BLADE GUIDE	89	G13013410	REMV. TOOTH-HOLDING BAR 1.45
20	G13013151	LOWER DOUBLE BLADE GUIDE	69	G13013431	REMV. TOOTH-HOLDING BAR 1.75
21	G19203311 G19203301	UPPER BLADE INT. GUIDE REMOVAB	12	G13013471 G13013560	REMV. TOOTH-HOLDING BAR 2:05 COMPL SECTION-HOLDING BAR 1:3
23	G13011501	UPPER BLADE GUIDE EXT REMOVAR	72	G13013570	COMPL SECTION-HOLDING BAR 1 4
24	G13011510	SHIM FOR UPPER BLADE GUIDE	73	G13013580	COMPL. SECTION-HOLDING BAR 1.7
25	G13011520	UPPER EXT. BLADE GUIDE SHIM	74		COMPL. SECTION-HOLDING BAR 2.0
26	F01020480	SCREW 10X35 5739 8.G	75		ROD SECTIONS MT. 1.30 FB/S
7 8 6	G2112004	VVASHEK 10,5XZ1 SHIMS MM 1 I IDDER EXT GIIIDE	2 2	G21120245 G21120246	ROD SECTIONS MT. 1.43 FB/S
29	G21120039	UPPER OUT. BLADE GUIDE	18		ROD SECTIONS MT. 2.05 FB/S
30	G13013511	LOWER SINGLE BLADE GUIDE	42		DOUBLE-TIP SECTION BLADE R.T 1
37	G19200903	OUTER BAR SUPPORT FBR	80	G13013660	DOUBLE-TIP SECTION BLADE R.T 1
33.	F01030508	BOLT T.O. 11X30	82		DOUBLE SECTION BLADE GUIDE P.D.
34	F01200281	NUT 11 UNI 5588 6.8	83		COMPL. REMVTOOTHED BLADE FBR
35	G13011640	INDICATION BAR	84	G13013761	COMPL. REMVTOOTHED BLADE FBR
37	G13011650 F01230016	INDICATION BAR SUPPORT NORM SELF-LOCKING NITA GALVAN	င္က မွ	G13013770 G13013780	COMPL. REMV1001 HED BLADE FBR COMPL REMVTOOTHED BLADE FBR
3 8	G21120134	SWATHBOARD - ASSY, FB	87	G13013280	REMV. TOOTH-HOLDING BAR 1.30
39	F01060105		88	G13013290	REMV. TOOTH-HOLDING BAR 1.45
4 4	G65338001 E01410076	ZN SWATHBOARD COMP. SPRING . F BI ANE WASHED D 13	6 8 8	G13013300	REMV. TOOTH-HOLDING BAR 1.75 DEMV. TOOTH-HOLDING BAR 2.05
42	F01230058	SELF LOCKING NUT M12X1.25	9 6	G13013751	COMPL. REMV-TOOTHED BLADE FBR
43	F01060045		92	G13013761	COMPL. REMVTOOTHED BLADE FBR
44	F01230034	SELF LOCKING NUT M8X1,25	93	G13013771	COMPL. REMVTOOTHED BLADE FBR
4 4 6 8	G20800061 F01020011	SWALHBOARD RODASSY. SCREW 4X35 5737 8 G 7N	9 0 4 7	G13013781 G21120107	COMPL. REMVIOOINED BLADE FBR PROTECTION SHIFLD 1.30M
47	G13011660	INDICATIN BAR	96	G21120063	PROTECTION SHIELD 1.45M
48	G13013190	COMPL. BLADE HEAD SECTIONS	97	G21120054	GUARD - PROTECTION MT.1-75
49	G21120048	BUSHING- BLADE HEAD 28720724	20	GZ11Z011Z	COMPLETE PROTECTION MT 2,05



	HYDRAULIC	HYDRAULIC LIFTING SYSTEM			TAV.	TAV. 951/63
Pos.	Cod.	Description	Pos.	Cod.	Description	
_	G12217880	LIFTING ROD	37	F01020207	BOLT M 14X70	
7	G12218070	CYLINDER LINKAGE DEVICE	38	F01410088	PLANE WASHER D.14	
က	G12217860	LIFTING PLATE	39	F01230072	SELF LOCKING NUT M14X1,5	
4	G12217910	LIFTING ARTICULATION BAR	40	G20970070	WASHER 40X2X26	
2	G12217900	FORK LEVER CONNECTION	41	F02200228	SPLIT PIN 5 X35 1336 GALVAN.	
9	G12216820	CYLINDER COUPLING	42	F01020152	BOLT M 12X40	
7	G12217920	LIFTING BAR EDGE	43	F01020260	BOLT M16X2X70	
œ	G18903780	UPPER HOOK TORSION SPRING	44	G12218030	TIE-ROD BUSH	
6	G12217930	CHAIN D.5 L.194	45	G21120007	ARM SIDE CHAIN L.600	
10	G21210002	CYLINDER D.40-D.20-380	46	F02250667	CLEVIS- 3/8- GALVANISED- ART.	
7	F03151238	1/4 COPPER WASHER				
12	G16011690	UPRIGHT 1/4" NIPPLE WITH GRUB				
13	G23440517	PIPE 1/4R2 C-F 1/4 L2000 HL/ID				
4	F03150211	NIPLE 1/4-1/2				
15	F03151237	1/2 COPPER WASHER				
16	F05150325	COVER 1/2				
17	F03150935	QUICK CONNECT MALE CONE 1/2 CO				
8	G20970111	WASHER 29,8X2X16,5				
19	F01230084	SELF LOCKING NUT M16X1,5				
20	F01020166	BOLT 12X80 5737 8.G GALVANIZED				
7	G18802150	BOSHING 12,3X25X42				
22	G20970085	WASHER 40X4X13				
23	F01230058	SELF LOCKING NUT M12X1,25				
24	G12217450	BLADE TIE ROD ZN				
22	F01200306	NUT M14X2				
56	F06220011	6-LOBE HANDWHEEL M14				
27	F01060040	BOLT 8 X20 5732 4.6 GALVANIZED				
28	G20970104	WASHER 21X4X8-5				
59	F01220222	NUT-TRISTOPM8				
30	F01020441	SCREW 8 X25 5739 8.G				
31	F01200244	NUT M8				
32	F01420048	PLANE WASHER D.8				
33	F01020162	BOLT M 12X65				
34	F02100141	PIN EL. 8 X36 DIN 1481				
32	F02100089	PIN EL. 5 X36 DIN 1481				
36	F01060041	BOLT 8 X25 5732 4.6 GALVANIZED				

GASPARDO

WARRANTY

GASPARDO warrants this product to be free from defect in material and workmanship. Except as otherwise set forth below, the duration of this Warranty shall be for TWELVE (12) MONTHS COMMENCING ON THE DATE OF DELIVERY OF THE PRODUCT TO THE ORIGINAL PURCHASER.

Under no circumstances will this Warranty apply in the event that the product, in the good faith opinion of GASPARDO, has been

subjected to improper operation, improper maintenance, misuse, or an accident. This Warranty does not apply in the event that the product has been materially modified or repaired by someone other than GASPARDO, a GASPARDO authorized dealer or distributor, and/or a GASPARDO authorized service center. This Warranty does not cover normal wear or tear, or normal maintenance items. This Warranty also does not cover repairs made with parts other than those obtainable through GASPARDO.

This Warranty is extended solely to the original purchaser of the product. Should the original purchaser sell or otherwise transfer this product to a third party, this Warranty does not transfer to the third party purchaser in any way. There are no third party beneficiaries of this Warranty.

GASPARDO makes no warranty, express or implied, with respect to engines, batteries, tires or other parts or accessories not manufactured by FRONTIER. Warranties for these items, if any, are provided separately by their respective manufacturers.

GASPARDO' obligation under this Warranty is limited to, at GASPARDO' option, the repair or replacement, free of charge, of the product if GASPARDO, in its sole discretion, deems it to be defective or in noncompliance with this Warranty. The product must be returned to GASPARDO S.p.A. with proof of purchase within thirty (30) days after such defect or noncompliance is discovered or should have been discovered, routed through the dealer and distributor from whom the purchase was made, transportation charges prepaid. GASPARDO shall complete such repair or replacement within a reasonable time after GASPARDO receives the product.

THERE ARE NO OTHER REMEDIES UNDER THIS WARRANTY. THE REMEDY OF REPAIR OR REPLACEMENT IS THE SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE OF THIS WARRANTY. GASPARDO MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, AND GASPARDO SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY AND/OR ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

GASPARDO shall not be liable for any incidental or consequential losses, damages or expenses, arising directly or indirectly from the product, whether such claim is based upon breach of contract, breach of warranty, negligence, strict liability in tort or any other legal theory. Without limiting the generality of the foregoing, GASPARDO specifically disclaims any damages relating to (i) lost profits, business, revenues or goodwill; (ii) loss of crops; (iii) loss because of delay in harvesting; (iv) any expense or loss incurred for labor, supplies, substitute machinery or rental; or (v) any other type of damage to property or economic loss.

This Warranty is subject to any existing conditions of supply which may directly affect GASPARDO' ability to obtain materials or manufacture replacement parts.

No agent, representative, dealer, distributor, serviceperson, salesperson, or employee of any company, including without limitation, GASPARDO, its authorized dealers, distributors, and service centers, is authorized to alter, modity, or enlarge this Warranty.

This Warranty is effective only if the warranty registration is returned within ten (10) days.

For warranty services contact your selling dealer.

GASPARDO

WARRANTY FOR REPLACEMENT PARTS

GASPARDO warrants this product to be free from defect in material and workmanship for a period of ninety (90) days from the date of delivery of the product to the original purchaser.

Under no circumstances will this Warranty apply in the event that the product, in the good faith opinion of GASPARDO, has been subjected to improper operation, improper maintenance, misuse, or an accident. This Warranty does not cover normal wear or tear, or normal maintenance items.

This Warranty is extended solely to the original purchaser of the product. Should the original purchaser sell or otherwise transfer this product to a third party, this Warranty does not transfer to the third party purchaser in any way. There are no third party beneficiaries of this Warranty.

GASPARDO' obligation under this Warranty is limited to, at GASPARDO' option, the repair or replacement, free of charge, of the product if GASPARDO, in its sole discretion, deems it to be defective or in noncompliance with this Warranty. The product must be returned to GASPARDO with proof of purchase within thirty (30) days after such defect or noncompliance is discovered or should have been discovered, routed through the dealer and distributor from whom the purchase was made, transportation charges prepaid. GASPARDO shall complete such repair or replacement within a reasonable time after GASPARDO receives the product. THERE ARE NO OTHER REMEDIES UNDER THIS WARRANTY THE REMEDY OF REPAIR OR REPLACEMENT IS THE SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY.

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GASPARDO shall not be liable for any incidental or consequential losses, damages or expenses, arising directly or indirectly from the product, whether such claim is based upon breach of contract, breach of warranty, negligence, strict liability in tort or any other legal theory. Without limiting the generality of the foregoing, GASPARDO specifically disclaims any damages relating to (i) lost profits, business, revenues or goodwill; (ii) loss of crops; (iii) loss because of delay in harvesting; (iv) any expense or loss

incurred for labor, supplies, substitute machinery or rental; or (v) any other type of damage to property or economic loss.

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No agent, representative, dealer, distributor, service person, salesperson, or employee of any company, including without limitation, GASPARDO, its authorized dealers, distributors, and service centers, is authorized to alter, modify, or enlarge this Warranty.

For warranty services contact your selling dealer.

NOTES

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ALWAYS USE ORIGINAL SPARE PARTS

GASPARDO

DEALER:



GASPARDO Seminatrici SpA

Via Mussons, 7 - I - 33075 Morsano al Tagliamento (PN) Italy Tel. +39 0434 695410 Fax +39 0434 695425 e-mail: gaspardo@gaspardo.it http://www.gaspardo.it



MASCHIO DEUTSCHLAND GMBH |

Äußere Nürmberger Straße 5 D - 91177 Thalmässing Deutschland Tel. +49 (0) 9173 79000

Tel. +49 (0) 9173 79000 Fax +49 (0) 9173 790079

MASCHIO FRANCE Sarl

1, Rue de Mérignan ZA F - 45240 La Ferte St. Aubin France

Tel. +33 (0) 2.38.64.12.12 Fax +33 (0) 2.38.64.66.79

MASCHIO IBERICA S.L.

Calle Cabernet, 10
Poligono Industrial Clot de Moja
Olerdola - 08734 Barcelona
Tel. +34 93.81.99.058
Fax +34 93.81.99.059

MASCHIOUSA

432 2ND Street Rock Island, IL 612Ø1 USA Ph. +1309794-2310 Fax +1309788-1610 MASCHIOMIDDLEEASTS.L MASCHIOGASPARDOROMANIAS.R.L GASPARDO-MASCHIOTURCHIA MASCHIO-GASPARDOCANADAInc