

MAINTENANCE AND USER MANUAL



TOSCANO

agricultural machinery



MULCHER-STANDARD

1600-2000-2200-2400-2600

KOD: X40-X41-X42-X43-X44

X40-4822-00

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1 PREFACE

This booklet has been prepared for Toscano Mulcher-Standard 1600, 2000, 2200, 2400 and 2600 models. Some features on the machines are optional and may not be available on all machines. The use and maintenance of the optional features in the booklet are prepared for machines with these features.

1.1 Foreword ;

Our dear customer;

Thank you for the trust you have placed in TOSCANO FAMILY and TURKISH INDUSTRY by purchasing this equipment.

This booklet describes the use and maintenance instructions for the Mulcher-Standard machine. This booklet is part of the product and should be kept in a safe place for reference throughout the life of the machine.

The equipment described in this manual complies with safety precautions and has been produced using advanced technology in all production processes such as design, manufacturing and quality control. However, the risk of injury cannot be completely eliminated, especially when the machine is not used properly. For this reason, for your own safety and safe use of the machine, pay attention to the instructions on the following pages containing the warning symbol.

Since Toscano Makina constantly develops its products, the features of new products may not always be in this guide. Therefore, we reserve the right to make changes without prior notice.

Economical and long-lasting use of agricultural equipment, as well as regular and satisfactory use, depend on your compliance with the instructions in this use and maintenance manual. Therefore, it is

recommended to strictly follow the instructions in the booklet to avoid malfunctions that could endanger the correct and long-lasting use of agricultural equipment.

This machine is for a professional user. Only expert users should be allowed to use this machine. Minors, untrained persons or persons with physical or mental illnesses should not be allowed to operate this machine.

Only persons with adequate driver's licenses should be allowed to operate this machine after they have been adequately instructed and trained. The user is responsible for ensuring that this machine is functional and for replacing and repairing any wear parts that could otherwise cause damage. Use, maintenance and repair of the equipment should be performed by trained personnel who have been instructed in the hazards that can result from misuse. In addition, all safety legislation related to technical safety, work accidents and traffic rules should be examined. The manufacturer is not responsible for any loss of property/productivity or injury caused by the modifications made to the machine by the user.

In addition, TOSCANO is at the service of our customers to provide the necessary support to ensure the correct use of agricultural equipment and its maximum efficiency.

Thank you for choosing us!

2 INTRODUCTORY INFORMATION

Each machine has an identification plate showing the following details.

1. Manufacturer's address (*Üretici Adresi*)
2. Machine type and model (*Makine tipi ve modeli*)
3. Serial number (*Seri no*)
4. Year of production (*Üretim yılı*)
5. Standard weight (*Standard ağırlık*)

| | |
|---|-------------|
| TOSCANO  | |
| agricultural machinery | |
| DAL PARÇALAMA | |
| MODEL | AĞIRLIK |
| SERİ NO | ÜRETİM YILI |
| DÜNDARLAR MAKİNA SAN. ve TİC. LTD. STİ. TEL: +902222361630 www.toscano.com.tr Organize Sarayı Bölgesi 20. Cadde No:27 ESKİŞEHİR/TÜRKİYE | |



This mulcher works via a shaft mounted on the rear PTO output of the tractor equipped with a 3-point linkage and a lifting unit.

The machine has a belt system that transmits power from the PTO output of the tractor to the rotor assembly via a central gearbox.

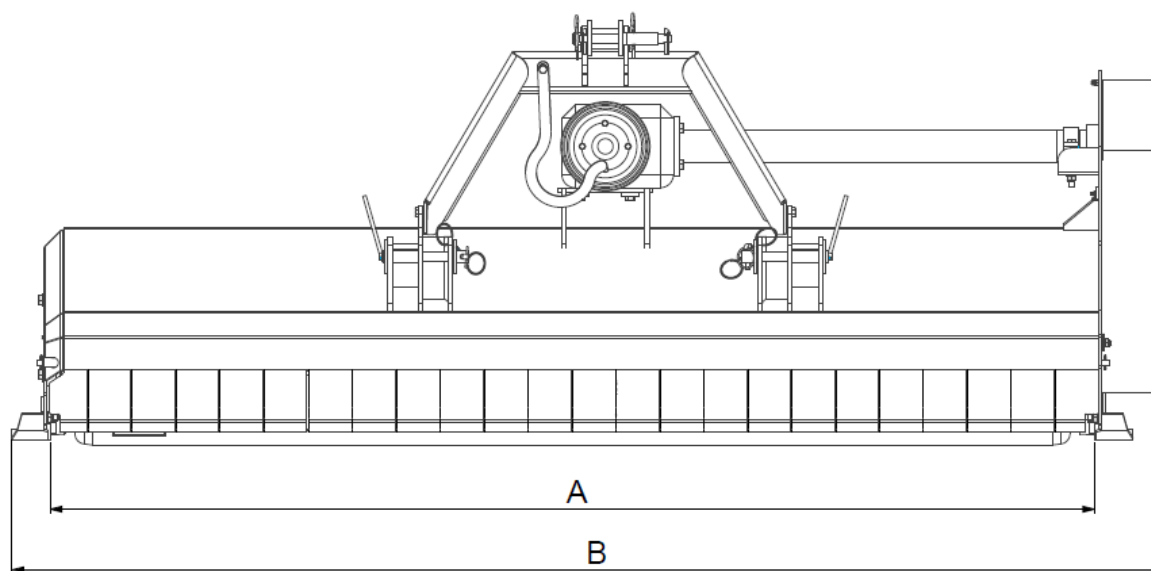
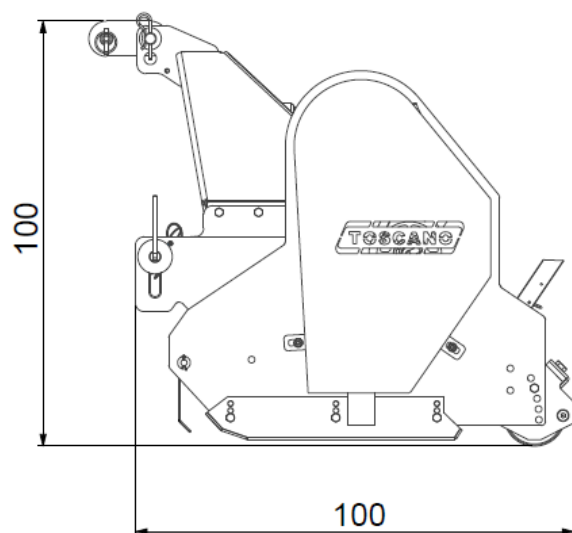
Thanks to the rotor speed working at high speed, the rotor effectively breaks up the stem and branch parts it comes into contact with. It allows the organic objects, which are divided into small pieces, to dissolve in the soil faster and act as a fertilizer that increases soil fertility.

The machine is intended for use in agricultural areas and forests only and is not at all suitable for digging. It is strongly recommended to avoid contact between the hoes with stones and other objects that may damage the machine, and to take maximum care when choosing the working height.

2.1 Technical information

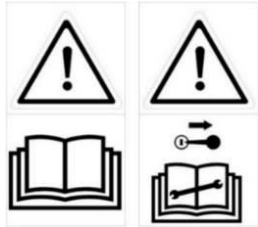
| Mulcher | TRACTOR POWER | WORKING WIDTH (A) | TOTAL WIDTH (B) | PTO SPEED | NUMBER OF BLADES | TOTAL WEIGHT |
|---------|---------------|-------------------|-----------------|-----------|------------------|--------------|
| Type | kW/ HP | cm | cm | RPM | Piece | kg |
| 1600 | 22-37 / 30-50 | 160 | 184 | 540 | 16 | 541 |
| 2000 | 29-44 / 40-60 | 200 | 224 | 540 | 20 | 607 |
| 2200 | 33-48 / 45-65 | 220 | 244 | 540 | 22 | 634 |
| 2400 | 37-51 / 50-70 | 240 | 264 | 540 | 24 | 661 |
| 2600 | 44-59 / 40-80 | 260 | 284 | 540 | 26 | 694 |

2.2 Machine Dimensions



2.3 Warning Signs

- 1) **Before using the machine**, carefully read the operation and maintenance manual.



- 2) **Danger.** Sharp objects can be thrown. Keep a safe distance from the machine.



- 3) **Danger.** Risk of injury to the legs. Keep a safe distance from the machine. Throwing and flying objects can cause serious injury or death. If you are in the back, move at least 80m away



- 4) **Injury to hands.** Never interfere when parts are moving. Wait until all moving parts have come to a complete stop.



- 5) **Danger of falling.** Do not climb on the machine while the tractor is in motion.



- 6) **Risk of crushing.** Do not get between the tractor and the machine.



- 7) **Danger of being caught by the transfer shaft.** Do not approach parts of the machine while it is moving.



- 8) Before activating the PTO, check whether the predefined circuit has been reached. Use 540 rpm.



2.4 Indicator Marks

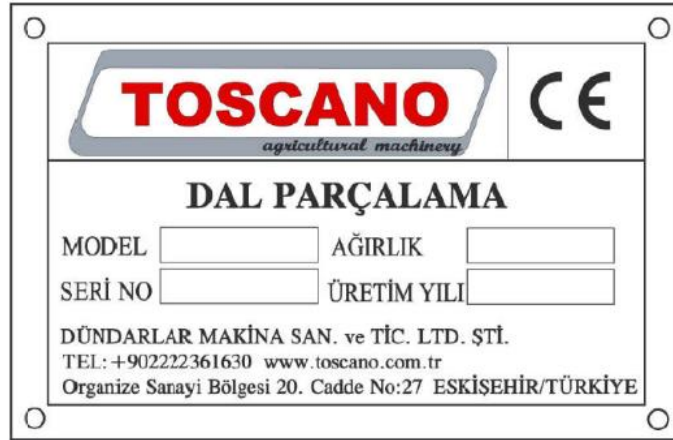
1) Oil filler plug.



2) Oil drain plug.



3) Identification plate.



2.5 Warranty

Machine warranty period is **1 year**.

When the machine is delivered, check that it has not been damaged during transportation and that the additional equipment / accessories are in perfect condition and complete.

ANY REQUEST MADE AFTER RECEIPT OF DAMAGED GOODS WILL BE SUBMITTED IN WRITING WITHIN 8 DAYS FROM THE RECEIPT OF THE GOODS FROM THE LOCAL AUTHORIZED SERVICE.

The buyer can only make claims under the warranty if he complies with the warranty conditions in the sales agreement.

2.6 Cases in which the Warranty is Invalid

In addition to the situations defined in the sales agreement, the warranty will be invalid in the following case.

- If a transmission element other than the transmission shaft shipped with the machine is used, the machine will be out of warranty. In case of damage, use original spare parts.

- When the machine has been modified following repairs by the customer without authorization from the manufacturer, or due to the installation of non-original spare parts, and damage attributable to this modification has occurred.

- When the user does not follow the instructions in this Use and Maintenance Manual.

LIFETIME:

The service life of the machine is 10 years.

3 SAFETY AND ACCIDENTAL PRE CAUTIONS

Pay close attention to the danger signs shown in this Maintenance and User Manual.

There are three types of danger signs:

DANGER: This symbol warns that serious injury, death, or long-term health risks will occur if the described actions are not performed correctly.

WARNING: This sign warns that serious injury, death, or long-term health risks may occur by not performing the described actions correctly.

CAUTION: This sign warns that the machine may be damaged by not performing the described operations.

Before using the machine, learn all the instructions thoroughly. In case of doubt, contact the technicians of the manufacturer's authorized services.

The manufacturer assumes no responsibility for non-compliance with the safety and accident prevention regulations described in this Operation and Maintenance Manual.

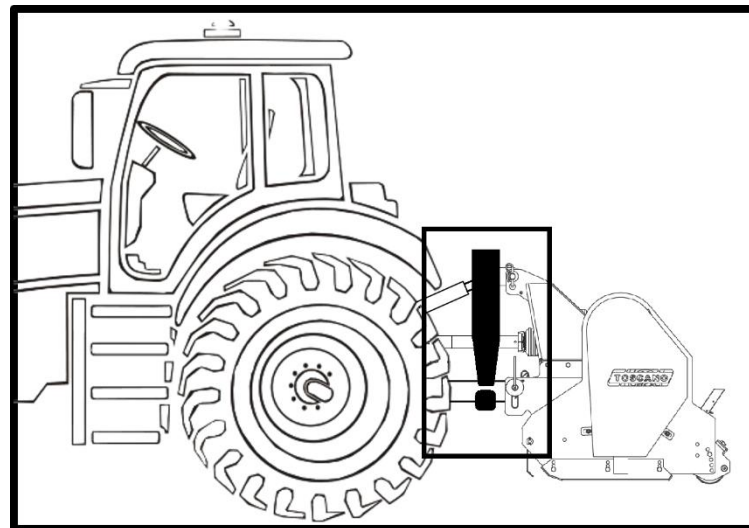
- 1) Follow the instructions given in this Operation and Maintenance Book and the danger signs attached to the machine itself.
- 2) Never touch any moving parts.
- 3) Markings and adjustments on agricultural equipment should always be performed with the engine off and the tractor's parking brake applied.
- 4) When the machine is serviced, remove the hydraulic pipes from the tractor remote control valves.

- 5) Before starting any work under the machine, make sure that the drive shaft is removed from the PTO and fix the machine itself with brackets to ensure that it does not fall accidentally.
- 6) It is strictly forbidden for people who do not have a driver's license, who are not experts, and whose health conditions are not suitable, to drive the tractor while the machine is mounted.
- 7) Strictly follow all recommended accident prevention measures described in this Operation and Maintenance Manual.
- 8) Installing an agricultural equipment on the tractor will cause the weight on the axles to be displaced. It is therefore advisable to add weights to the front of the tractor to balance the weights on the Axles.
- 9) The mounted agricultural equipment can only be controlled via the drive shaft with the necessary safety devices for overloads and guards secured with the corresponding lock. Keep clear of the drive shaft while it is turning.
- 10) Before operating the tractor and agricultural equipment, always check that all safety devices protecting transport and use are in perfect condition.
- 11) Instruction labels affixed to the machine can give you helpful advice on how to avoid accidents.
- 12) Always obey the traffic rules in force on you while driving in traffic.
- 13) The transportation of the vehicle in traffic will be done under the full responsibility of the user responsible for verifying the adequacy of the machine with the current traffic rules.

Observe the maximum permitted weight on the axles of the tractor, the total adjustable weight, the transport rules and traffic regulations.

- 14) Always familiarize yourself with the controls and how to use them before starting work.
- 15) Always wear suitable clothing. Never wear loose clothing or clothing with ends that could somehow get caught in rotating parts and moving mechanisms.
- 16) As indicated, attach agricultural equipment to a tractor of sufficient power and configuration, using a mechanism (lifter) conforming to the predefined specifications.
- 17) Be very careful during the attachment and removal stages of agricultural equipment.
- 18) Any transport accessories must be equipped with adequate signals and shields.
- 19) Never leave the driver's seat while the tractor is moving.
- 20) It is very important to remember that handling, steering and braking capacity can be significantly affected by the presence of towed or mounted equipment.
- 21) When cornering with attached agricultural equipment, always beware of the centripetal force created by the further center of gravity.
- 22) Before activating the PTO, check whether it reaches the predefined circuit.

- 23) It is strictly forbidden to stand within the working distance of the machine with moving parts.

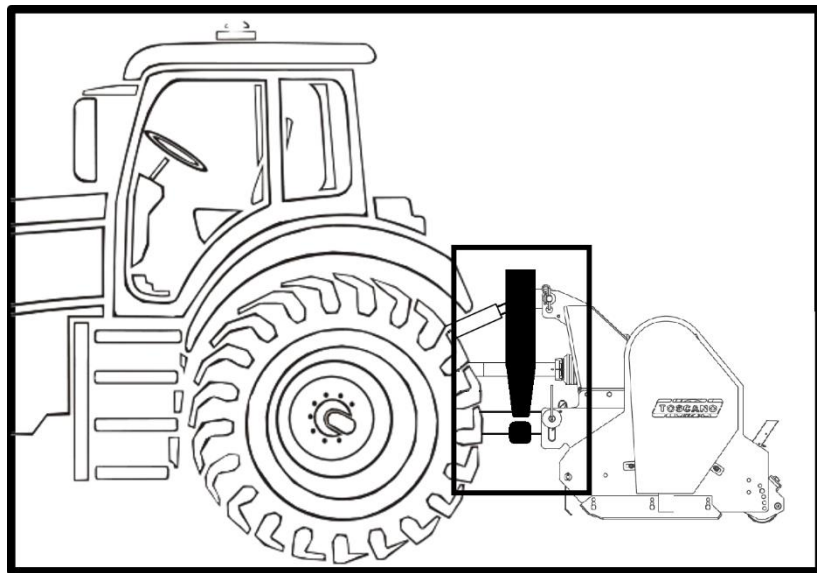


- 24) Before leaving the tractor, lower the agricultural equipment connected to the lift, apply the parking brake and take the ignition key from the control panel.
- 25) With the engine running and the transmission shaft running, it is strictly forbidden to stand between the tractor and the machine without first applying the parking brake and placing a block or stone to prevent it from moving under the wheels.

Possible thrown stones etc. ' Keep a safe distance from the shredder while the shredder is operating to avoid hitting the shredder.

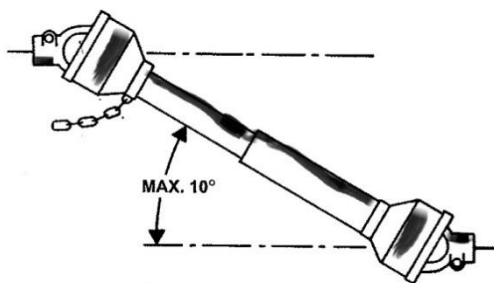
- 26) Always set the lift control lever to the locked position when connecting or disconnecting agricultural equipment to the three-point linkage system.

- 27) The category of the fixing pins of the agricultural equipment must be complied with the category of the lifter to which the connection is made.
- 28) Be careful when working near the lift arms. This area is a very dangerous area.
- 29) It is strictly forbidden to stand between the tractor and agricultural equipment while controlling the lifter controls from outside.



- 30) Fix the side arms with the corresponding chains and idlers during the transport phase.
- 31) Set the hydraulic lifter's control lever to the locked position when transporting on the road with the agricultural equipment raised.

- 32) While lifting from the ground, the knuckles of the transfer shaft should not be bent more than 40 degrees. (With the PTO off). Remove the shaft from the PTO of the tractor.
- 33) Use only the transmission shaft recommended by the Manufacturer.
- 34) Check the transmission shaft guard frequently and regularly. The shield should always be in perfect condition and well welded.
- 35) Take great care of the transfer shaft guard both in transport and operating condition.
- 36) The transfer shaft should only be installed or removed when the engine is off.
- 37) Take great care to ensure that the transfer shaft is installed correctly and is secure.
- 38) Use the supplied lock to prevent the transfer shaft guard from turning.
- 39) Before activating the PTO, make sure that there are no persons or animals in the movement area of the machine and that the selected working speed corresponds to the allowable one. Never exceed the recommended maximum speed.
- 40) Never engage the PTO when the engine is off.
- 41) Always disable the PTO when the transmission shaft is at an extremely wide angle (never more than 10 degrees) and not in use.



- 42) Clean and grease the transmission shaft only when the PTO is disabled, the engine is off, the parking brake is applied and the ignition key is removed.
- 43) Replace the transfer shaft when not in use.
- 44) After removing the transmission shaft, reattach the protective cover to the PTO shaft.
- 45) Prolonged use of the machine can overheat the drive system and parts of the hydraulic circuit, as a secondary consequence. Never touch these parts immediately after use, as they are very hot and can cause burns.
- 46) Never perform maintenance or cleaning unless the PTO is disabled, the engine is turned off, the handbrake is applied, and the tractor is fixed with a chock or stone placed under the wheels.

Check the condition of the guard sills.
- 47) Check that all nuts and bolts are tightened. Tighten them again if necessary.
- 48) Always place adequate supports under the agricultural equipment when servicing the machine or changing the hoe blades with the agricultural equipment raised.

- 49) Before working on cutting tools, disable the PTO, turn off the tractor engine, apply the handbrake and check that the blades have come to a complete stop.
- 50) Use only recommended oils.
- 51) Spare parts correspond to the justifications established by the manufacturer. Only use original spare parts.
- 52) Safety stickers must always be perfectly visible. These should always be kept clean and replaced when illegible. Spare stickers can be obtained upon request from our authorized services.
- 53) The Operation and Maintenance Manual should be kept as long as the machine is intact.



In case the tractor used does not have a pressurized, soundproof cabin, the user must use individual protection methods.

- Protective earplugs for noise in case of exceeding standard image levels
- An anti-dust mask should be used if a significant amount of dust is generated by the type of product being cut, or by the use of soil or open machinery.

4 INSTRUCTIONS FOR USE

4.1 Transportation

If it is necessary to transport the machine over a long distance, it must be loaded onto a rail or truck.

For this purpose, see the "Technical Information" section for weights and dimensions. These sections are very useful for checking the possibility of driving the machine on any type of road. The machine is usually shipped in a horizontal position without packaging material. Therefore, it is necessary to use a lifting system connected to the machine at lifting points with cranes and cables of sufficient capacity.



CAUTION

Before starting the lifting operation, make sure that the moving parts of the machine are blocked.

Be sure to use a crane with sufficient lifting capacity to lift the machine.

Lift the machine very carefully, move it slowly, without any jumps or sudden movements.



DANGER

Lifting and handling can be very dangerous if not done very carefully; Persons not directly involved in the business should stay away. Clean and clear the area and remove any obstructions in the transport area.

Check the condition and suitability of your vehicles.

Do not touch the following loads, stay at a safe distance from them.

During transportation, loads should not be lifted more than 20cm from the ground.

It should also be ensured that the work area is free of obstructions and that there is sufficient "escape space", ie a free and safe area to move quickly if the load falls.

The surface on which the machine will be loaded must be horizontal to prevent possible slippage.

When the machine is placed on the vehicle, make sure that it remains locked in this position.

Fix the machine on the platform of the vehicle with the help of cables of suitable capacity for the mass it will detect.

The cables must be securely fixed to the machine and securely fastened to the fixing points on the platform.

Make sure that the machine is in such a way that it does not pose a hazard after transport has been carried out and without freeing the machine from all fastening parts.

Disconnect the cables and proceed to unloading using the same methods and means used for loading.

Road transport and transit.

When cruising on the highway, install warning triangles, side lights and rotating beacon at the rear, and always make sure to follow traffic rules and other applicable regulations.

These indicators should be fixed to the rear of the agricultural equipment in a position clearly visible to all other vehicles driving behind.

4.2 Before Use



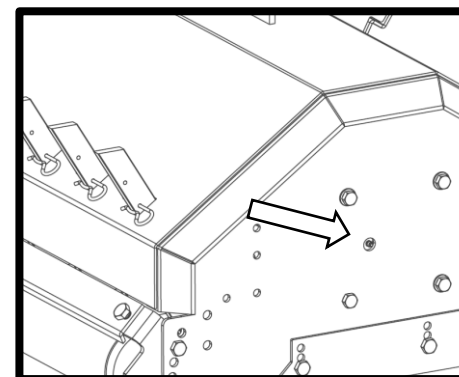
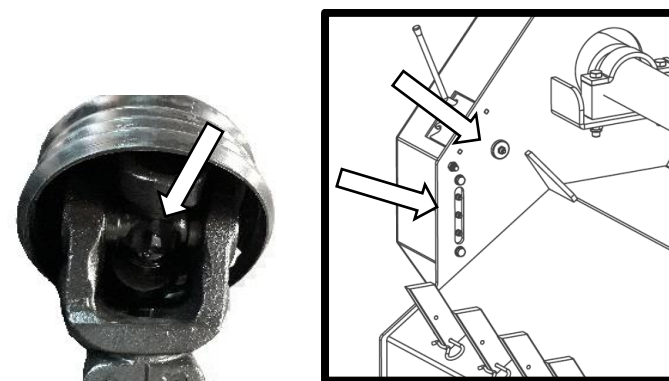
WARNING

Always install accident prevention guards before using the machine. These can be sent disassembled due to shipment.

To get the best performance, strictly follow the instructions below.

Perform the following operations before using the machine.

- 1-Check that the machine is in good condition.
- 2- Check that all parts are in conformity with the principle and do not lose quality.
- 3-Check gear box oil levels.
- 4- Grease the shaft crosses, rotor bearing, roller bearings and pulley bearings.



WARNING

None of the following service, adjustment and preparation operations should be performed unless the PTO is disabled, the machine is lowered to the ground, the tractor engine is turned off and the tractor itself is safely parked with the parking brake.

4.3 Connecting to Tractor

The machine is connected to the tractor while it is on the ground.

The ground must be flat.

All machines must be attached to the tractor with 3-point hitch system. Since each tractor has a unique length of couplings and a fixed diameter hole, it is necessary to set the optimal working position for each tractor. This is accomplished by turning the connecting rod to the best position and inserting pins of the correct diameter (according to requirements) in the most suitable holes.

The manufacturer does not accept responsibility for any damage that may occur to the tractor.



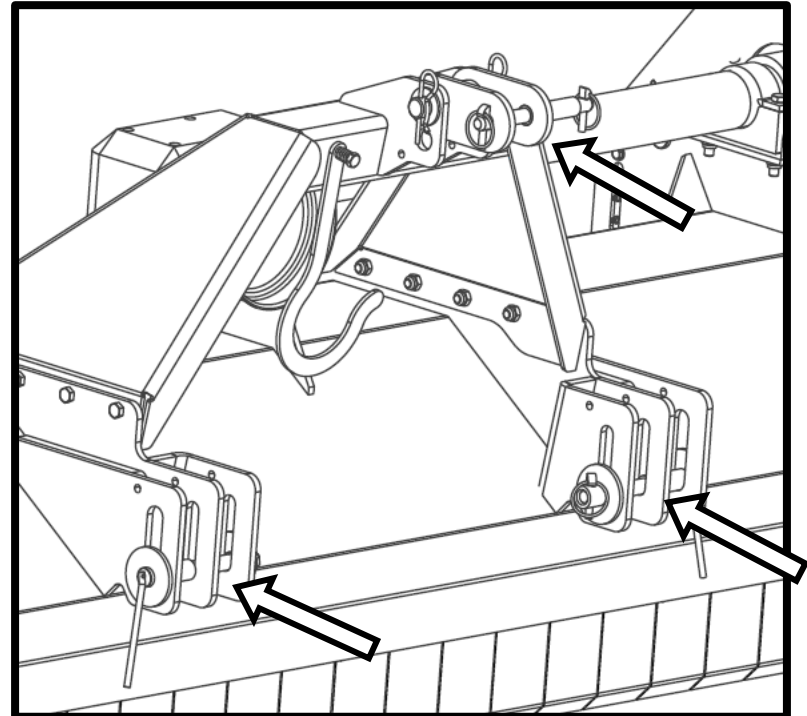
DANGER

Attaching the equipment to the tractor is a very dangerous situation. Be very careful and perform all the operations in accordance with the instructions.

The accuracy of the tractor / machine position is determined by adjusting the distance of the agricultural equipment to the tractor so that the agricultural equipment remains 5–10 cm from the standard coupling maximum closed position.

Now proceed as follows.

- 1- Approach the lift ribs, adjust them to the most suitable plates. Insert the pin into the corresponding hole and fix it in place with the locking pins.



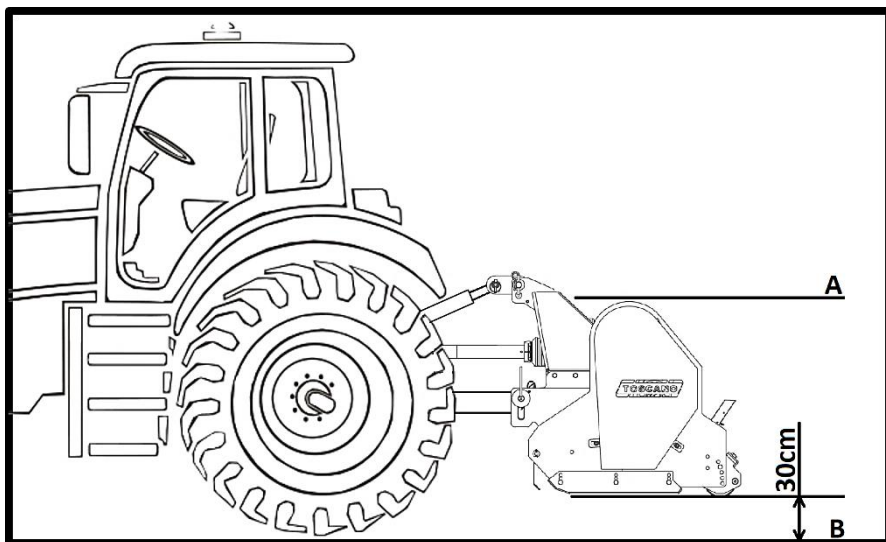
- 2- Fix the lift arms by using relevant chains and couplings parallel to the tractor.

This should be done to prevent the machine from moving horizontally.

- 3- Install the transmission shaft and check that the shaft is perfectly fixed to the PTO. Check that the guard rotates freely and fix the corresponding lock.

Remove the transfer shaft support and reposition it by fixing it to the relevant hook.

- 4- Connect the middle link of the upper three-point suspension system and check that the upper surface of the machine (A) is parallel to the ground (B) and adjust it correctly with the adjuster. This process is very important as it provides parallelism between the axis of the machine and the axis of the tractor PTO.



- 5- When the agricultural equipment is operating in this condition, there will be less stress on the PTO itself and less wear on the transmission shaft and agricultural equipment.

4.4 Lifting Capacity and Balance of the Tractor to which the Machine is Attached

Installing an agricultural equipment on the tractor will cause the weight on the axles to shift.

It is therefore advisable to add weights to the front of the tractor to balance the weights on the axles.

4.5 Transfer Shaft

Adapting the transmission shaft:

The transfer shaft supplied with the machine is of standard length. It may therefore be necessary to adapt the transmission shaft. In this case, consult the manufacturer for final customization before doing anything.

Attach the machine to the tractor and fix it with the tool (bar, chain, etc.) attached to the tractor's three-point linkage system for this purpose.

Disable the tractor's PTO and turn off the engine.

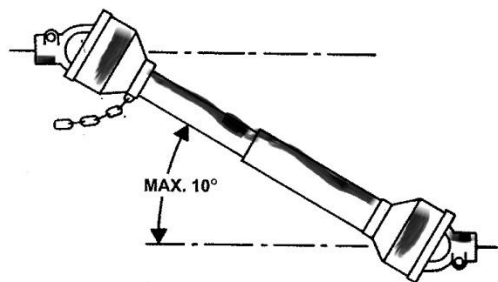
Connect the transmission shaft to the PTO of the tractor.

The connection is correct when the machine is in the horizontal working position.

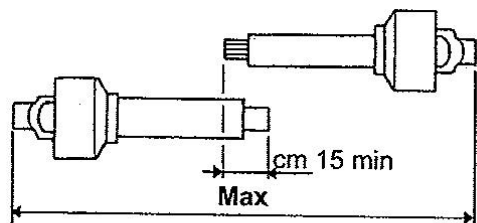
To achieve this, lengthen or shorten the center arm of the three-point linkage system to set the shank spline nut axis parallel to the ground.

Checks during work:

- The two angles formed by the fork axes and the axis of the slide tubes must be equal and not exceed 10 degrees.



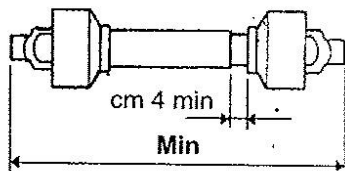
- Sliding pipes must overlap by at least 15 cm.



Raised controls:

Continue the lifting movement (with the tractor PTO disengaged).

- The two pipes of the transfer shaft must not overlap completely. There must always be a safety clearance of at least 4 cm.



- The angle of the transmission shaft should not exceed 40 degrees.

If these two results cannot be obtained:

- Shorten the slide tubes by sliding them to the same extent, remove burrs and smooth them, then grease the inside of the outer tube.
- Make sure that the upper lift rib is as parallel as possible to the lift side arms.
- If it is not sufficient, correct the way the middle arm of the lifter is attached to the tractor or machine as necessary, or at least reduce the shocks to the transmission shaft during the lifting phase.
- If mistakes are made, disable the PTO of the tractor before lifting the machine.

Repeat these checks when the machine is mounted behind another tractor.



DISCLAIMER

When the transfer shaft is fully extended, the two pipes must not overlap by at least 15 cm.



DISCLAIMER

If agricultural equipment is used on another tractor, always clear the trenches first. Check that it completely covers the rotating parts of the transmission shaft.

4.6 Shredding Setup and Operating the Machine

-Be very careful before making any adjustments on the machine, stop the tractor engine, stop the PTO, pull the handbrake.

-Start with the attached shaft and then slowly lower the machine until the skids touch the ground.

- Avoid sudden revs while the shaft is running, this can cause serious damage to both the machine and the tractor itself.

-Consider the following factors to get the best operation.

-Remaining product status

- Quantity and dimensions of twig pieces

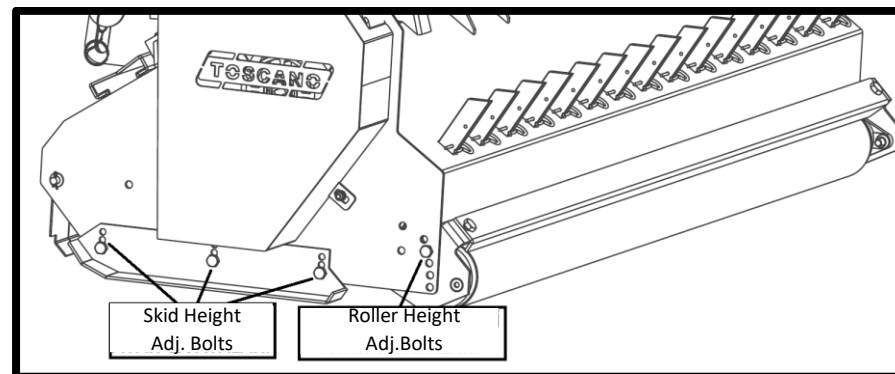
-Tractor working speed

-Best adjustment of cutting height

The best shredding is achieved with low gear tractor operating speed and high rotor speed.

4.7 Working Distance

-In order to adjust the distance between the rotor and the ground, it is necessary to change the position of the rollers and slides at the back of the machine.



-This operation should be done while the machine is attached to the tractor and lowered.

-Wear work gloves and use appropriate tools in good working order.

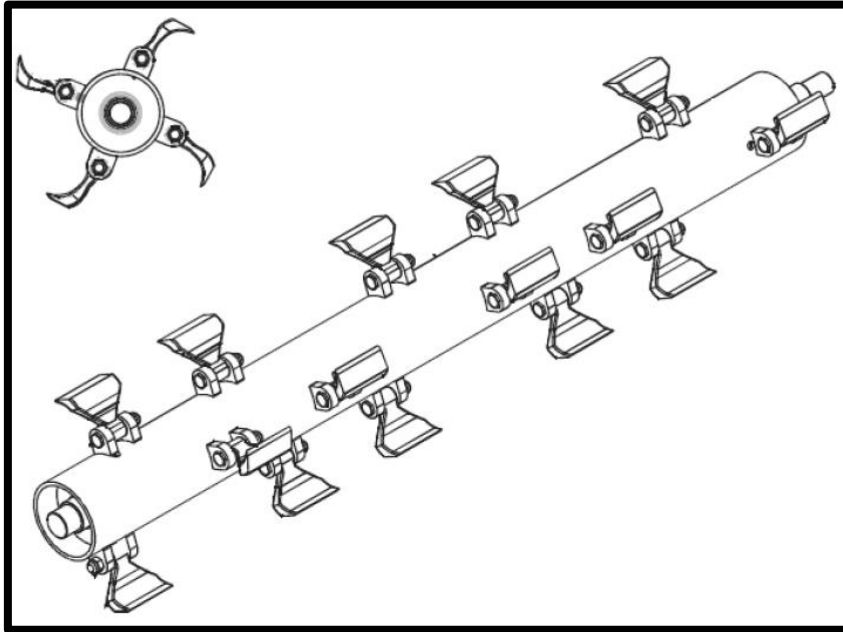
-Before working with the machine, take utmost care, stop the tractor engine, stop the PTO, apply the handbrake and put two wedges under the machine to protect the machine from falling, resulting in possible loss of pressure of the tractor's lifting unit.



WARNING

For the most accurate setting, the blades should be about 2-3cm above the ground.

4.8 Hoes



The hoes on the machine are made of wear-resistant material and heat treated. Check the wear condition of the hoes before each use.

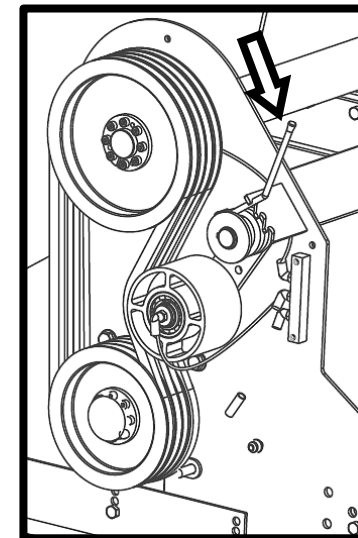
If accidentally bent (or broken) during operation, broken or bent hoes should be replaced immediately.

New hoes to be installed must be installed in the same position as the removed anchor. If several hoes are to be changed, remove and install the hoes one by one to ensure that each anchor is installed in the same position and to prevent incorrect positioning.

The sharp face of the hoes should always be set in the direction of rotation of the rotor.

4.9 Belt Tensioning System

Toscano Mulcher is designed to be adjusted very easily. For this process, the belts are tensioned by increasing the pressure force on the belts by pulling the tension spring arm. The point to be considered in this process is that a compression force of approximately 6 KG should be applied to the belt.



4.10 During work

The equipment is brought closer to the ground by means of tractor hydraulic suspension arms. By engaging the PTO gear, the rotor of the equipment is moved and the equipment is slowly lowered to the ground. With the help of hand throttle, the speed of the PTO is 540 rpm. or set. Make sure that the blades **do NOT touch the** ground. Do not let it fall to the ground hard.

The hydraulic lifting device must be in a floating position and you must use your machine parallel to the ground with the help of the middle arm.

When selecting tractor gear, first start with 1 or 2 boost gears. Try to find the ideal gear by increasing the gear according to the terrain structure. When selecting tractor gear, check the tractor's traction and evaluate the machine's shredding of stems and branches.

To avoid breakage or damage, the speed of the tractor should never exceed 10 km/h when agricultural equipment is running. During operation, avoid turning while agricultural equipment is working in the ground. Never run backwards. Always lift agricultural equipment to reverse or change direction.

Always lower the equipment slowly into the ground for working operation. Avoid dropping the equipment. Dropping it causes strong stresses on all machine parts and can damage them.

Do not use the machine in traffic if the machine is contaminated with soil, grass, or anything else on the road that could contaminate or hinder on-going traffic.

Always check that there are no persons, children or pets in the movement area of the machine.



DANGER

Stones or other sharp objects may be thrown by the rotating hoes during the Branch and Stalk shredding phase. Always check that there are no persons, children or pets in the movement area of the machine.

Be careful against handshakes while adjusting the roller height of the machine.

4.11 Parking

*When the machine is separated from the tractor, the ground on which the machine is parked must be smooth to ensure the stability of the machine. It should be supported with suitable wedges so that it does not move back and forth.

At the end of the season or if you are not going to use your machine for a long time, we recommend that you comply with the following points;

- Detach the shaft from the tractor and hang it on the shaft suspension hook on the machine.
- Carefully check whether there are any damaged or worn parts of the machine. If necessary, replace with original spare part.
- Check the transmission oil and greased parts and complete them if they are missing.

-Finally, place the machine in a dry and cool place where unauthorized persons will not approach.

5 CARE

Various maintenance operations are listed in the following paragraphs.

Low operating costs and long machine life depend on the constant and methodical observance of these processes.



DISCLAIMER

The frequencies given are examples and are subject to normal conditions of use.

Therefore, maintenance times are subject to changes in maintenance type, more or less dusty environment, seasonal factors, etc.

In heavy-duty conditions, maintenance operations should obviously be performed at more frequent intervals.

- Before applying grease to the grease nipples, the grease nipples must be thoroughly cleaned to prevent mud, dust or foreign bodies from mixing with the lubricant, thereby reducing the effectiveness of the lubricant.
- When adding or changing lubricant, always make sure that the oil is of the same type used previously.



WARNING

- Always keep oil and grease out of the reach of children.
- Always read the warnings and information shown on the containers thoroughly.
- Avoid contact with your skin.
- Always wash thoroughly and thoroughly after use.
- Used oils must not be recycled in accordance with applicable pollution prevention laws.



DANGER

Maintenance work can be very dangerous. It should always be carried out by authorized persons. Never perform maintenance or cleaning unless the PTO is disabled, the engine is turned off, the parking brake is applied, and the tractor is secured in place with a chock or stone placed under the wheels, and the equipment is fixed to the ground.

5.1 FIRST 8 -Hour Maintenance

- After the first 8 hours of use, carefully check the general condition of the machine.
- Especially after checking the wear condition of the hoes, make sure that the hoes are solid and complete. Tighten the loose bolts.

5.2 Every 8 Hours Maintenance

- Grease the transmission shaft cross ends.
- Grease the rotor bearing, roller bearings and pulley bearings.
- Check all connecting bolts at the end of the work, tighten if loose.

5.3 Every 50 Hours of Maintenance

- Repeat 8-hour maintenance.
- Check the oil level in the gearbox (gearbox) body after the first 50 hours and add if necessary.
- Check the belt pulley assembly. Adjust the tension of the belts if necessary.

5.4 Every 400 Hours of Maintenance

- Change the oil in the gear box by draining the old oil from the drain plug and filling the new oil from the upper plug.
- Replace pulley belts with original spare parts.
- If the belt tension spring is checked and it has lost its strength, replace it with the original spare part.

- ❖ **SAE 140 EP number gear oil is used as gearbox oil and this oil is recommended.**

5.5 Pulling the Machine to the Park

At the end of the season or if the machine will not be used for a long time, follow the instructions below.

- Wash the machine and dry it. Make sure that all fertilizers and chemicals are completely removed.
- Check agricultural equipment carefully and replace any damaged or worn parts with original spare parts.
- Check all bolts and tighten them if necessary.
- Thoroughly grease the necessary parts of the agricultural equipment and protect it with a plastic sheet. Store in a dry place.

It is recommended that you do the following checks before starting work again after a long break.

- Check the oil levels in the gearbox (gearbox) and the machine body. Top up the oil level if necessary.
- grease nipples and grease them if necessary.
- Check all bolts and tighten if necessary.

Carefully following these instructions will be to the advantage of the user, who will be sure to use the agricultural equipment in perfect condition when he resumes work.

If the machine is to be scrapped, the laws of the country in which the machine is used and especially environmental protection laws must be observed.

Remember that the manufacturer will always be at your disposal to assist you or provide spare parts you may need.

6. MANUFACTURER AND SERVICE STATION:



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