



ROTARY TEDDER

USER GUIDE



ATTENTION



**DO NOT
OPERATE THE MACHINES
BEFORE READING THIS MANUEL!**

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WARNING SIGNS & MEANINGS



CAUTION

This sign warns that the operations described could cause damage to machine, if they are not carried out correctly.



READ MANUAL FIRST

Read the "Operating and Maintenance Manual" carefully before first start and keep the manual nearest.



WARNING

This sign warns that the operations described could cause serious lesions or long term health risks, if they are not carried out correctly.



KEEP CHILDREN AWAY

This symbol expresses to keep the children away against any risk.



Be careful against danger of entrapment.



DO NOT STAND NEAR THE MACHINE WHILE IT IS WORKING

This symbol expresses not to stand near the machine while it is working to avoid any injury.



Do not carry people or loads on the plough.



REVOLVING DEVICE

Stay clear of mower knife area as long as tractor engine is running



Do not open or remove safety shields while the engine is running



Shut off engine and remove key before performing maintenance or repair work.

1. INTRODUCTION

Dear Farmer,

Firstly, we congratulate you for your correct preference on the way to efficiency by selecting the brand "ALPLER". As your agricultural partner, we offer you our product in which we combined high quality, low operational cost and effective after-sale service concept.

All of "ALPLER" products are designed for the most efficient and the safest use and tested accordingly in cooperation with the relevant university departments, agricultural establishments and farmers. We request you to read the user manual before the first operation in order to use our product in a more effective manner as well as for product and your own safety. The failures that may result from using the product beyond the instructions for use specified in this manual are not covered by "ALPLER" warranty. "ALPLER" products are manufactured for agricultural utilization purposes only, and our company does not assume any liability against the conditions arising from misuse. Maintenance, repair and operation of our products must be carried out by those who were informed on the relevant and possible dangers.

Enjoy your new product and we wish you productive and fruitful years.

We hope to serve you for a long time...



CAUTION

If the product owner changes in the future, please submit this manual to the new owner of the product and inform on safety measures.

2. SAFETY RULES

2.1. USE OF TEDDER IN ACCORDANCE WITH ITS AGRICULTURAL PURPOSE

The machine has been designed to use for agricultural purpose definitely and absolutely. If it is misused for any purpose the firm shall not be responsible for accidents to occur. In this case user will have full responsibility.

All instructions in connection with basic regulations of use and maintenance of the machine, offered by the firm and necessary to be taken are for interest and security of the user and must be accepted unconditionally.

Experts must make all adjustment, running, use and maintenance and repair activities of the machine before starting to work.

During working with the machine, it is necessary to comply with all security measures and take all available technical security measures on the machine completely and to take all measures for work security as well as health.

The user will have all responsibility in the event of accidents to occur because of any change made without taking support of producer firm. In this case the firm will be responsible for those accidents!

Check traffic, carrying, lighting and warning mechanisms and security mechanisms on the machine at the same time and complete lost, deficient parts, if any.

2.2. INSTRUCTIONS FOR SECURITY MEASURES AND SAVING FROM ACCIDENTS

- Read instruction book given to you carefully in order to use the machine in accordance with the purpose and regulations in terms of your life security and security of environment and lives. Please consider explanations and warnings for the machine!
- Labels of security and warning (pictograms) positioned on the machine shows important explanations for protection from accidents and safe working. To consider those warnings services to your security and interest. Renew damaged labels of security and warning!
- Machine must not be run while being sick, sleepy, bothering or taking alcohol and tranquilizer or narcotic substance! The operator using the tool of machine has created danger not only for himself but also for person or persons around him!
- Before permitting that anyone uses the machine, provide to train him about the machine completely!
- While driving in the traffic, comply with all traffic regulations and relevant codes!
- Before starting to work recognize all security mechanisms and moving elements on the machine, at the same time inform their positions and functions sufficiently, otherwise you can be delayed for accidents to occur during working!
- Person who uses the machine must consider that his cloth he wears is tight and closes fit. Avoid from wearing loose and blously!
- Hold to clean the machine against fire danger. Make cleaning the machine in offered way after each working!
- Make running and stopping the machine when you are certain there is not any adult, child or live animal around the machine within the limits not safe and your vision is clear!
- It is inconvenient and interdicted to carry animal or human on the machine!
- Make all connections of the machine in accordance with the instructions and consider that all security mechanisms have been fixed on planned points of the machine!
- Consider that the machine have been positioned on plain surface before interrupting connection of the machine from tractor and fix your tractor in order to remove slipping risk by means of braking mechanism and take precaution to position the support leg of the machine!
- Connecting the machine to tractor and interrupting its connection from tractor are proceedings requiring special attention and should be made by competent persons!
- Always make placing of loading weights on planned points in accordance with the instructions!
- Comply with the regulations regarding transportable load, axle load and carrying measures!

2. SAFETY RULES

- Check carrying, traffic, lighting and warning mechanisms and protection mechanisms on the machine at the same time and connect them in recommended way before each using!
- It should be taken elements such as hose, chain, wire, rod etc prolapsing from the machine under protection safely during working and carrying the machine!
- Take all security measures on the machine in accordance with the instruction of the producer firm before driving on the road!
- Never leave driving seat during moving!
- Arrange speed of advance of your machine depending upon work conditions and position of area to be worked. Avoid from abrupt turns in downgrade, upgrade or curved places!
- While the machine is connected to tractor, its performance and turning ability change. Consider that you have sufficient turn and braking ability!
- While turning, consider that load out of the center of gravity and/or dead load of the machine!
- Connect the machine to tractor at the time when it is taken all security measures while it is attached security mechanisms only!
- Keep away from oscillation or turn area of the machine!
- All hydraulic parts (wings, arms etc.) on the machine can be started to move when there is not anybody in oscillation area only!
- Put the machine on soil surface before quitting tractor, stop motor, pull ignition switch and declutch power take-off!
- Fix your tractor by means of braking mechanism in order to remove slipping risk and take precaution by positioning support leg of the machine conveniently! Otherwise consider that there is not anybody between machine and tractor!
- It constitutes crushing and cutting places in organs running with cutting part or spring. Pay attention to those points!
- Make riding and leaving to and from tractor when the hydraulic system is closed!
- Remove foreign substances to damage the machine from running area of the machine!
- Do not climb over the machine while it is connected to tractor!
- The machine can be started and stopped by driver of tractor only!
- If tractor running the machine does not have a closed driver cabin, please use a sound protector and protective gloves during running and use a mask if there is powder and smoke exit!

2.3. WHILE MACHINE IS CONNECTED TO TRACTOR

- Fix your tractor by means of braking mechanism in order to remove slipping risk and take precaution by positioning support leg of the machine conveniently!
- It should be taken into consideration that permitted maximum load limits such as low connection arms, up connection arm, drawbar, tow hook or towing pin etc in mechanisms providing connections and be careful that there is sufficient elasticity at this connection point!

2.4. POWER TRANSMISSION BY MEANS OF P.T.O SHAFT (Only For Machines Driven By Power Take-Off)

A shaft turning 540 cycles in a minute revolves 9 cycles in a second and can wind anything that it grabs 1.5 meters in the meantime. For that reason be especially careful that they are preserved sufficiently. Shaft's being preserved is not sufficient, it is essential that preservation should be fixed to a suitable place by means of a chain.

2. SAFETY RULES

- Use original shaft recommended by producer only! The firm will not be responsible for accidents to occur as a result of using any other shaft!
- Be careful that shaft have been assembled and secured conveniently!
- Install protective hose and protective funnel of transmission output shaft and shaft at power take-off of tractor and the machine and position them in accordance with the regulations!
- Protective plate of power take-off and protective hose of transmission output shaft should close shaft joints up to middle from both directions at least!
- Be careful that shaft should be suspended in planned way in position of carrying and running!
- Be careful that preservation of protective hose of shaft be installed in a way by covering joints and be secured by means of a chain against turning (See Figure 1).

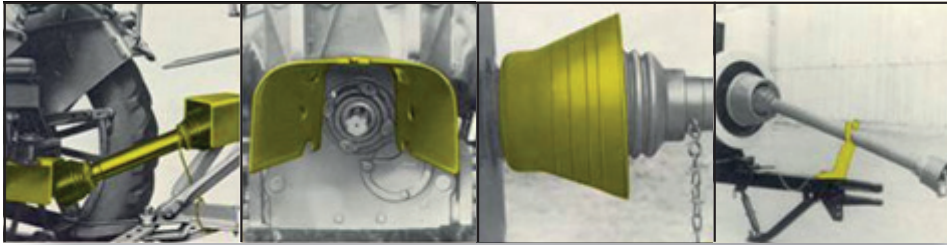


Figure 1: Protective preservations and chain with joint

- Leave the machine on soil surface, stop motor, draw ignition switch and declutch power take-off absolutely before proceeding of assembling and disassembling!
- While using shafts with excess load or free rotation or security clutches, those clutches should be placed by the machine!
- Check suitability of cycle of selected power take off and turning direction of tractor to the machine and provide that it reaches to number of cycle suitable for the machine before running power take off!
- Make certain that there is not any adult, child or live animal around the machine within the limits not safe before running power take off!
- Be certain that there is not anyone in running area while running power take-off!
- Be careful not to run the machine when angle of deviation that is angle between power take-off of tractor where shaft is connected and axes of power take-off where power is transmitted increases a lot or in necessary situations! (The value of angle of deviation should not exceed 30°!)
- After stopping power take-off it is necessary to be careful about danger that machine continues to run for a while! Do not stand next to machine in the meantime. When turning movement stops completely you can approach to the machine!
- Repair all damages of shaft before starting to run the machine!
- In the machines driven by power take-off, it can be made activities such as adjusting, cleaning, maintenance, lubricating etc after stopping the motor, taking ignition switch out and disengaging power take-off.
- When shaft is not used or it is interrupted its connection it is necessary to leave it shaft holder that is on drawbar of mechanism or it there is a point on the machine on this shaft holder. Thus it has been prevented to pollute and to damage by contacting with surface!
- When disassembling connection of power take-off of shaft, attach protector of power take-off and protective cover of pin absolutely!
- While attaching shaft it is necessary to attach side where there is picture of tractor to power take-off!
- Generally covering tolerance of shaft space should be 1 meter and should be 10-15 cm for shaft length!
- It is necessary to always remember periodical maintenance and lubrication of shaft with joint and to be made regularly!

2.5. HYDRAULIC LAYOUTS

- Hydraulic layouts are elements running under high pressure!
- While connecting hydraulic cylinders and motors, be careful to connect hydraulic hoses in planned way!

2. SAFETY RULES

- While connecting hydraulic hoses to hydraulic exits of tractor, make certain that both of hydraulic system of machine and tractor are not under pressure!
- Coloring or marking elements of connection and jacks in order to prevent faults in hydraulic connections between tractor and machine is of vital importance. In the event that connections are made wrongly, there is danger of reverse running (lifting / lowering)!
- Check hydraulic mechanisms continuously and renew damaged, failed and old hydraulic mechanisms. All spare parts to be used in this alteration should be original spare parts recommended by producer firm. Otherwise the producer firm will not be responsible for accidents to occur!
- Use appropriate tools in order to prevent accidents and wounding during fixing points making leaking!
- When hydraulic oils are under high pressure leak, they can cause to injure heavily because they penetrate into the skin! In case of injuring get medical help immediately! There is infection risk!
- Put the machine on soil surface before starting to work on hydraulic mechanisms, stop motor, pull ignition switch and declutch power take-off!

2.6. RUBBER WHEELS

- Before starting to run on wheels, be careful that the machine has positioned on a plain ground and take precaution by supporting it by means of braking mechanisms or scotch in order to remove!
- Assembling wheels requires a special care and should be made by experts by using recommended tools!
- It should be permitted to realize activities such as repair, alteration etc on rubber wheel by expert persons that have appropriate tools! Before starting to make such activities, put the machine on soil surface, stop motor, pull ignition switch and declutch power take-off absolutely!
- Check tire pressure regularly and be careful that it be appropriate tire pressure!

2.7. MAINTENANCE

- Before starting to make activities such as repair, maintenance, cleaning etc works, put the machine on soil surface, stop motor, pull ignition switch and declutch power take-off absolutely!
- Call competent service or technical service for our every problem in connection with repair and maintenance of your machine!
- After cleaning the area of service where it will be realized repair and maintenance activities, be careful that ground is dry! Do not hinder to control electrical socket and electrical tools!
- Provide first aid kit and fire extinguisher in service area where it is realized repair and maintenance absolutely!
- If it is required to lift the machine for repair and maintenance, it should be used recommended hoist and suitable rope, chain etc only for during suspending!
- Spare parts to be used for secure repair of the machine should be original spare parts suitable to technical characteristics recommended by the producer only and should be used suitable tools only! Otherwise, the firm shall not be responsible for accidents to occur!
- Wear gloves in changing parts that can cut and in maintenance works and benefit from suitable utensils!
- The machine should be kept on solid and plain ground in a dry closed environment. In addition, it is necessary to secure it by supporting wedges against rolling and tumbling risk!
- After completing your applications on the machine, be careful not to forget any used tool and instrument on the machine!
- Check all screws and nuts periodically and squeeze loose ones when necessary in three hours running and later!
- Keep transmission and grease oils appropriately. Make lubrication maintenance regularly!
- In welding activities to be made on tractor and machines connected to tractor, interrupt connections of cables from battery and generator!
- It should be checked security mechanisms on the machine regularly and renewed those losing their functions absolutely!
- Use original spare parts only, this lengthens life of your machine!

3. POSITION OF WARNING SIGNS AND SECURITY LABELS

ALPLER Rotary Tedder has been equipped with basic security measures in accordance with the requirements of 2006/42/AT, security regulations being in force now.

It should be always remembered that it is not possible to protect processing organs providing that the machine implements its agricultural function and all dangerous points. In this case, it is used security and warning labels (pictograms) positioned on the machine showing important explanations for working safely and for protecting from accidents. To consider those warnings services to your security and interest. Renew damaged security and warning labels immediately!

The importance of the signs that are black on yellow background is to prevent accidents that cause serious wounding, dying and long time life risks to occur as a result of running and using the machine not in accordance with the regulations!

Read explaining texts under warning labels carefully and make sure that you understand them well. Check the places of those labels on the machines because those areas are points of danger.

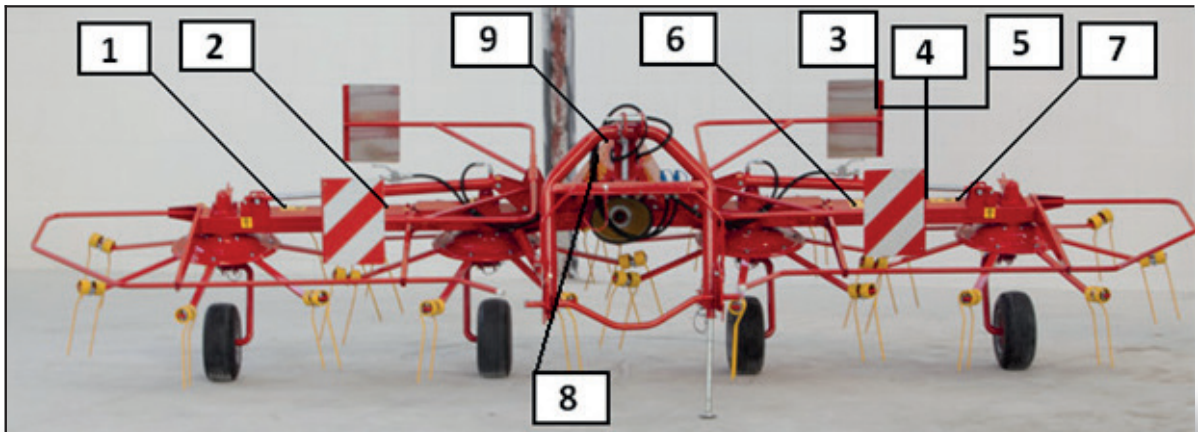


Figure 2: Position of security warning labels on the machine

- 1- Read instruction book given to you carefully before starting to run the machine and keep it on your hand continuously.
- 2- Put the machine on soil surface before quitting tractor, stop motor, pull ignition switch and declutch power take-off shaft absolutely before starting to carry out activities such as repair, maintenance, cleaning etc.
- 3- Before starting the machine, make sure that it is attached protective security mechanisms on it and it is taken all security measures.
- 4- Keep secure distance permitted between machine and you.
- 5- It is interdicted to touch moving parts while the machine is running.
- 6- Keep away from area of oscillation of the machine
- 7- While the machine is connected to tractor, be careful that there is not anyone between the machine and tractor! Take precaution by supporting it by means of braking mechanisms or scotch in order to remove slipping risk.
- 8- Permitted maximum cycle of power take-off shaft is 540 QUOTE (rpm).

4. TECHNICAL CHARACTERISTICS

MODEL	A-RT 554	A-RT 554C	A-RT 696
Work wideness (m)	5,5	5,5	6,9
Carrying wideness (m)	2,95	2,95	2,85
Height in running position(m)	1,35		
Height in carrying position(m)	2,7	2,5	3,6
Length of machine (m)	2,4	2,4	2,25
Number of disks	4	4	6
Arm number in every disk	7	7	6
Size of wheel	16x6,5-8	16x6,5-8	16x6,5-8
Number of wheels	4	4	6
Weight of machine (kg)	710	630	890
Cycle number of power take-off shaft (min-1)	540	540	540
Power requirement (HP)	50-60	70-80	90-100

Figure 3: Our right to change size and model is reserved.

5. PREPARING MACHINE FOR SERVICE

5.1. SPECIAL SAFETY INSTRUCTIONS



- Before connecting the machine to tractor and interrupting its connection from tractor and starting to make activities such as repair, maintenance, cleaning etc works, put the machine on soil surface, stop motor, pull ignition switch and declutch power take-off shaft absolutely! Unless it is taken measures by positioning tractor and supporting leg of the machine by means of braking mechanism in order to remove slipping risk, be careful that there is not anyone between tractor and the machine.
- While connecting hydraulic cylinders, be careful that hydraulic hoses are connected prognosticatively! While connecting hydraulic hoses to hydraulic exits of tractor, make sure that hydraulic systems of both of the machine and tractor are not under pressure!
- Before entering to public roads open for traffic and starting to work, check traffic, carrying, lighting, warning mechanisms and security mechanisms on the machine and complete not functioning, lost and deficient elements if any!
- Permitted maximum cycle of ALPLER Rotary Tedder connected securely is 540 QUOTE (rpm).
- Before starting power take-off shaft , make sure that there is not any adult, child or live animal around the machine within the unsafe limits!
- All hydraulic parts (wings, arms etc) can be moved when there is not anyone within oscillation area only!
- Starting and stopping the machine can be made by driver of tractor only! During movement never quit the driver seat!

5.2. CONNECTING MACHINE TO TRACTOR

5.2.1 CONNECTION OF MOUNTED TYPE MACHINE TO TRACTOR (For A-RT 554 and A-RT 696 Models)

- They are proceedings requiring a special attention and to make by expert persons!
- Make sure that there is not any adult, child or live animal around the machine within the unsafe limits while connecting the machine to tractor!
- Make all connections of the machine in accordance with the instructions and be careful that all security mechanisms on the machine are fixed at planned points!
- Before starting to connect the machine to tractor put the machine on a plain surface not sloping absolutely. Stop the motor of tractor in the meantime, pull ignition switch and declutch power take-off shaft! Fix the machine by positioning supporting leg (4.a) of machine and tractor conveniently by means of braking mechanism in order to remove slipping risk!

5. PREPARING MACHINE FOR SERVICE



Picture 4.a

Picture 4.b

- While connecting Alpler Rotary Tedder to three point hitch system of tractor, first of all affix low hydraulic drawbar of tractor shown with (3.a) at (2) picture 4.a and provide to lock it by approaching low locking pin (3.b) assembled on low connection arms of machine drawbar (1).

- Make left-right parallelism adjustment of your machine that you have completed connection to low connection arms by means of right and left suspension arms (7). (In some old model tractors only right suspension arm is adjusted. As in new tractors it is possible to lengthen and shorten by means of adjustment arms in both suspension arms.)

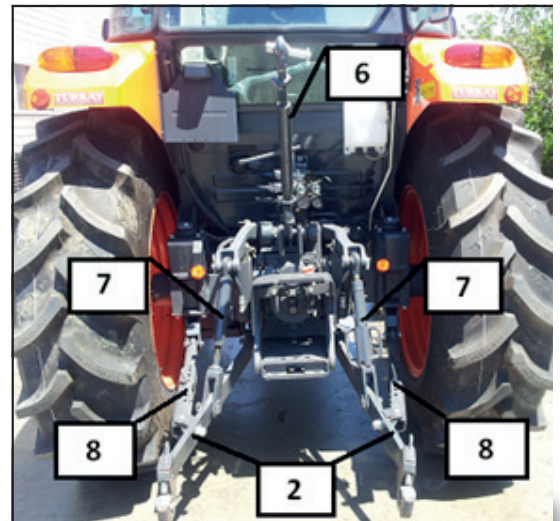
- Right and left stabilizer chains (8) prevent that tool or machine swings and cause harm on the back tires while transporting them. Loosen stabilizer chains in field under working conditions; but be careful not to loosen them more than four fingers to tires!

- After completing lower connection of the machine, place upper hydraulic connection arm (6) of tractor into suitable hole on upper connection lama (5) of machine drawbar in order to make upper connection and affix security pin in suitable diameter and fix it with bodkin. Upper connection arm of tractor provides to make front-back parallelism adjustment of connected machine by lengthening and shortening. There should not be any space between round trunnions in holes in the direction of either machine of tractor and pins affixed to those trunnions!

- In order to get support leg to carrying position (4.b) lift the machine a little, fix support leg by pulling it up position and never permit for its movement!
- Make connection of hydraulic hose to tractor, which provides movement of hydraulic cylinders playing a role in getting right and left wings to transporting and running position and check if the hydraulic system is functioning properly!
- Check traffic, carrying, lighting, warning mechanisms and security mechanisms on the machine and complete not functioning, lost and deficient elements if any!
- Select diameter of upper connection security pin used to connect Alpler Rotary Tedder to tractor by means of three point hitch mechanism in accordance with the category of your tractor!

Special note: It is defined tractors whose bollard pull is 40 hp as Category 1, tractors whose bollard pull between 40-100 hp as category 2.

> Alpler Rotary Tedder has been organized in accordance with category 2.

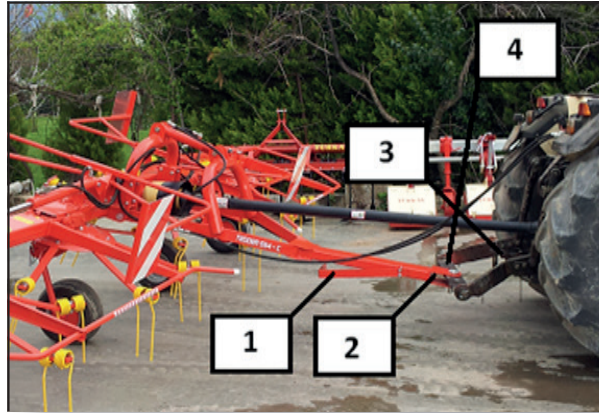


Picture 5: Three point

5. PREPARING MACHINE FOR SERVICE

5.2.2. CONNECTION OF THE TOWABLE TYPE MACHINE TO TRACTOR (For A-RT 554C Model)

Before starting to connect the machine to tractor, put the machine on a plain surface not sloping absolutely. Stop the motor of tractor in the meantime, pull ignition switch and declutch power take-off shaft! Fix tractor by means of braking system in order to remove slipping risk and position it by lowering supporting leg (1) in the direction of arrow of if necessary support front of wheels with chock!



Picture 6

- Alpler Rotary Tedder is a pullable machine and is pulled as connected to towing hook of tractor by means of drawbar.
- First of all, make parallel the machine to ground by lowering supporting leg (1) in the direction of arrow while connecting the machine to tractor!
- After making the machine to parallel position, connect drawbar (2) to towing hook of tractor (3). (To do this, it is necessary for you to make height adjustment of towing hook of tractor from ground.)

You can connect the machine to drawbar (4) connected to side suspension arms called nine holes (See Picture 6).

- Lift supporting leg (1) and fix it to its place in drawbar after completing connection of the machine to tractor.
- Complete connection by affixing hydraulic jack and electrical socket to suitable places on hydraulic mechanism in order that hydraulic parts of collecting mechanism can function properly.
- After completing connection of the machine to tractor, it is necessary to make connection of P.T.O. shaft transferring movement taken from power take-off shaft of tractor to the transmission of the machine. This section will be explained in making the length of the shaft suitable and assembling section in 5.3.2 in details.

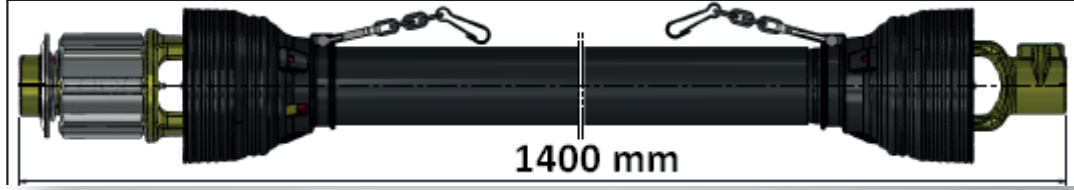
5.3. PTO SHAFT

5.3.1. GENERAL

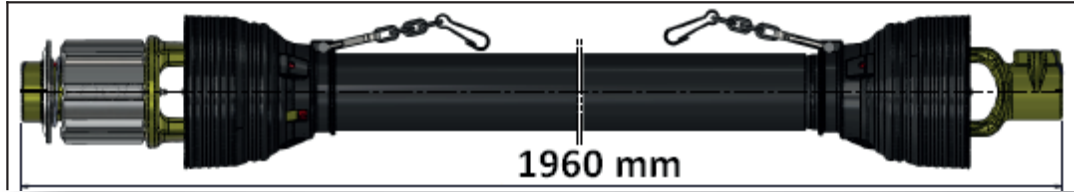
- Before starting to make activities works such as adjustment, cleaning, maintenance, lubrication etc, put the machine on soil surface, stop motor, pull ignition switch and declutch power take-off shaft absolutely! Take measures by positioning tractor and supporting leg of the machine by means of braking mechanism in order to remove slipping risk.

5. PREPARING MACHINE FOR SERVICE

- Never run power take-off shaft during transporting while P.T.O. Shaft is connected! Material damage and getting lost some parts are in question! Risk of material damage is in question!



Picture 7: PTO Shaft Shaft (used in A-RT 554 and A-RT 696 models)



Picture 8: PTO Shaft Shaft (used in A-RT 554C model)

P.T.O. Shaft transferring movement taken from power take-off shaft to transmission of machine has been equipped with a joint that has security clutch with torque control necessary to be affixed to machine. **(Shaft given together with A-RT 554 and A-RT 696 model machines and recommended from now on when required: EGE SHAFT mark, they are shafts in serial 3, having security clutch with torque control, joint is closed, length 1400 mm.)** See Picture 7.

(Shaft given together with A-RT 554 C model machine and recommended from now on when required: EGE SHAFT mark, they are shafts in serial 3, having security clutch with torque control type, joint is closed, length 1960 mm.) See Picture 8.

In the event it is met an excess load in shafts with torque control, it is limited turning movement with slipping of clutch gradually. In the event it is met an excess load, it can be heard voice by stepping in security clutch with torque control, in the meantime, immediately stop power take-off shaft in order to prevent to erode clutch and to lose its function!




Never play with adjustments of intermediate shafts having security clutch with torque control. In this case it is canceled guaranty conditions.

5. PREPARING MACHINE FOR SERVICE

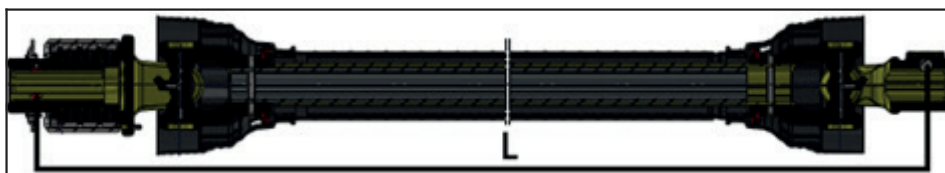
5.3.2. ADJUSTING SHAFT FOR APPROPRIATE LENGTH AND ASSEMBLING

If length of shaft that you have affixed while connecting your tractor to the machine, sloping in shaft constitutes during lifting and lowering the machine. Make the length of shaft pin suitable like in the recommended way.

- Shafts used in agricultural machine have been manufactured as jointed shafts and it is possible to adjust their lengths.
- In order to make adjustment of length of shaft, it is necessary that you have completed connections of machine to tractor by means of three point hitch system in recommended way. If connection of the machine to tractor is made completely, follow the following proceedings respectively!

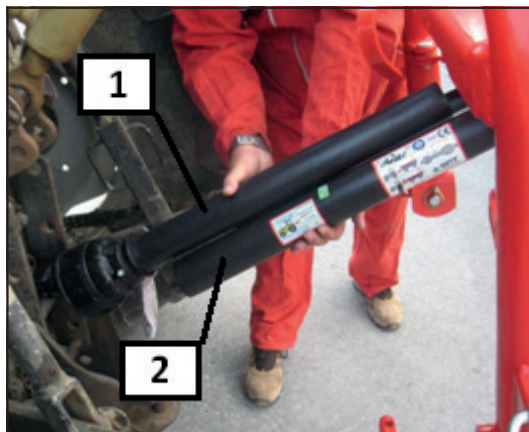
 • In the first place, measure the distance between farthest point of power take-off shaft of tractor and farthest point of exit pin of transmission of machine. Note this value!

- In the second place, measure the distance between pins in both sides of shaft and fixing while affixing tractor and machine, shown in Picture 9. Note this L value!

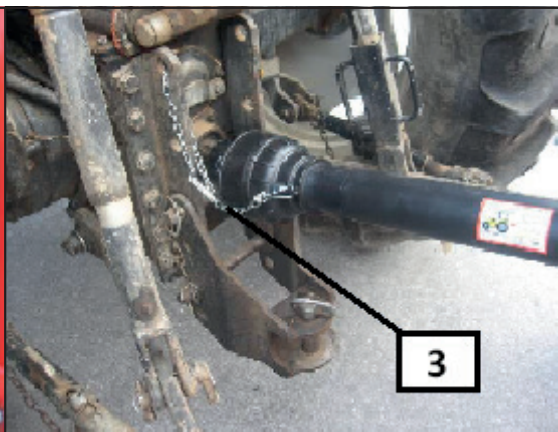


Picture 9: PTO Shaft

- Recorded distance between farthest point of power take-off shaft of tractor and farthest point of exit pin of transmission of machine and (L) value secondly recorded should be equal. If L value is higher, it is necessary to cut shaft in order to provide this equality suitably.
- Before starting cutting work, separate shaft by holding and pulling from both sides of junction. Thus shaft is separated into two sections.
- Affix side having tractor picture to power take-off shaft (2) and side having security clutch with free turn (1) to the machine and bring both halves side by side and mark from both sides.



Picture 10



Picture 11

5. PREPARING MACHINE FOR SERVICE

- It is necessary to cut shaft as much as the difference between values from both sides! (See Picture 12.A/B/C)

For example; let the distance between farthest point of power take-off shaft of tractor and farthest point of exit pin of transmission of machine be 100 cm. Let us consider that L length, the distance between pins in right and left sides of shaft is 110 cm. In this case, it is necessary for us to cut 10 cm from both sides of the shaft that we have separated into two sections. (It should be remembered always, since those two sections will interpenetrate, this cutting shown as 20 cm totally lowers to 10 cm!)



Picture 12A



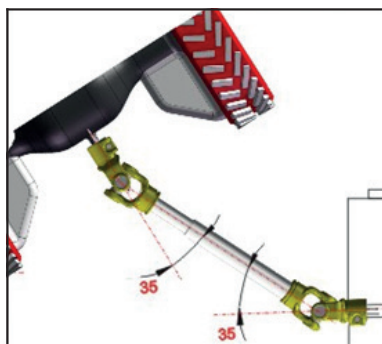
Picture 12B



Picture 12C: Getting shaft be suitable length

Picture 12.C- Getting shaft be suitable length

- Clean power take-off shaft and exit pin of transmission of machine before connecting the shaft and lubricate with grease oil. Then slip shaft until pin falls in place over power take-off. Slipping space of shaft should be minimum 5 meters and maximum 15 meters.
- Affix protective pipe and protective funnel of power take-off shaft of tractor and exit pin of transmission in the machine at the same time and bring them into position in accordance with the regulations! Be careful that protection of protective pipe of shaft has been affixed in the manner containing joints and has been secured against turning by means of a chain (3) (See Picture 11)!
- When angle of deviation that is the angle between power take-off shaft of tractor and axes of power take-off shaft of transmission of the machine where power is transmitted increases a lot, running of shaft is dangerous. In this case, running should be stopped (The value of angle of deviation should not exceed 30°)!
- When the angle of joints of shaft exceeds 35° in sharp curves during working, tractor should be stopped and working should be terminated! Only joints in shafts with large angle can work until 70°-80° depending upon the type (See Picture 13).



Picture 13



Read instruction book that the manufacturer have given you together with shaft because it contains more information regarding shaft.

5. PREPARING MACHINE FOR SERVICE

5.4. INTERRUPTING CONNECTION OF MACHINE FROM TRACTOR

- Before starting to interrupt connection of the machine from tractor, put the machine on soil surface, stop motor, pull ignition switch and declutch power take-off shaft absolutely! Unless it is taken measures by positioning tractor and supporting leg of the machine by means of braking mechanism in order to remove slipping risk, be careful that there is not anyone between tractor and the machine.
- While lifting or lowering the machine by means of three point hitch system or interrupting its connection from tractor, make sure that there is not any adult, child or live animal between tractor and the machine and around the machine within the unsafe limits!
- Lower the machine on ground before disassembling hydraulic hoses of the machine from hydraulic exits of tractor. Make sure that both hydraulic systems of machine and tractor are not under pressure!



Be careful the following security instructions while interrupting connection of the machine from tractor!

- **If your machine is mounted type**, lift the machine by means of hydraulic connection arms a little, lower the supporting leg and secure it.
- Lower your machine on ground and make sure that it is fixed. Protect it against rolling and tumbling danger by means of scotches.
- Interrupt connection of P.T.O Shaft and fix shaft on a suitable place on the machine by means of holder.
- Disassemble connection of hydraulic hose from tractor and fix it on hole over upper connection lama of the machine drawbar by means of its plastic clip.
- Disassemble hydraulic upper arm connections in the first place and then lower arm connections that is reverse in order to disassemble the machine from three point connection system.
- **If it is pull type machine**, make sure that the machine is placed on plain ground not sloping. Fix your machine against rolling and tumbling by braking mechanism and bring supporting leg of the machine to suitable position and when necessary support front sides of wheels with scotches and put it under protection.
- Interrupt connection of P.T.O Shaft.
- Disassemble connection of hydraulic hose from tractor and fix it on hole over machine drawbar by means of its plastic clip.
- Complete disassembling drawbar of machine from towing hook of tractor by applying reverse of assembling of connection.
- Machine should be preserved on a solid and dry ground and dry closed environment.

6. GENERAL ADJUSTMENTS



- Put the machine on soil surface before quitting tractor, stop motor, pull ignition switch and declutch power take-off shaft absolutely before starting to carry out activities such as adjustment, maintenance, lubricating cleaning etc works.

6.1. BASIC POSITION ADJUSTMENTS

6.1.1. CONNECTION PARALLELISM ADJUSTMENT OF MACHINE

- Be careful that the machine have been positioned on plain ground not sloping together with the tractor.



- Make sure that it has been completed connection works explained on pictures in Section 5.2.1 in details in mounted type machine (For A-RT 554 and A-RT 696 Models).

- In order to provide parallelism of main body (1) of the machine to the ground:
- Make right-left parallelism adjustment of your machine by means of right and left suspension arms in hydraulic three point hitch system of tractor.



Picture 14

- Make front-back parallelism adjustment of the machine by lengthening and shortening upper connection arm of tractor.
- Make height adjustment by bringing hydraulic command arm to position control. When you move hydraulic arm lightly in position control, the machine lifts up and stops in a step, if you move more, the machine lifts up and stops in a step again, that is it does not move to the highest level like in drawbar controlling.

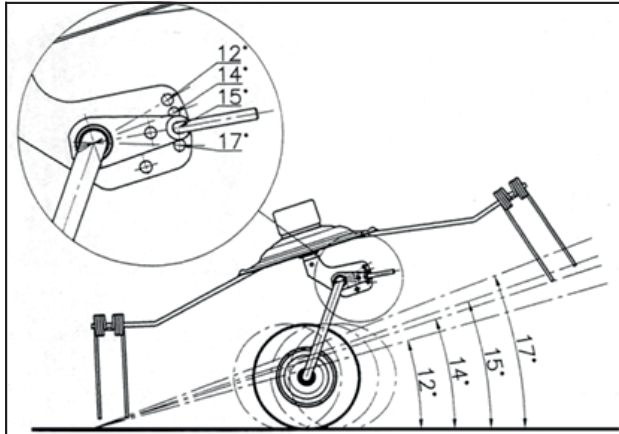
Note: It is held in a certain level by lifting hydraulic lowering-lifting arm up. In this case, if the tool and machine lift up completely, that means front drawbar is in "DRAWBAR POSITION". If the tool and machine do not lift completely but lift up to a certain level that means front drawbar is in "POSITION CONTROL". Position control provides that machine runs on soil by holding the machine depending on hydraulic connection arms. While working with machine such as crops scattering machine, front selection arm should be in position control.

6. GENERAL ADJUSTMENTS

6.1.2. ADJUSTMENT OF RUNNING ANGLE OF DISTRIBUTING ROTORS

Rotors connected with distributing arms turn by creating an angle with horizontal level. Rotors have been equipped by adjustment mechanism in four working angles such as 12°, 14°, 15° and 17°.

- It is clearly understood which working angle is adjusted in which hole as shown in Picture 15.



Picture 15

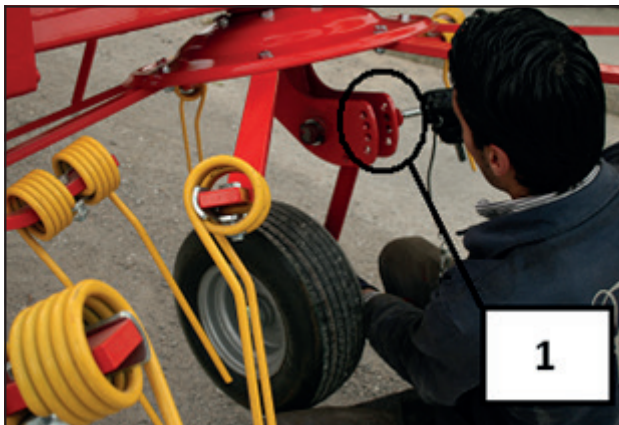
- Working rotors by making a certain angle with horizontal level causes projectile motion of shorn material according to the physics codes. The more the angle that is made by rotors with horizontal level increases, the more range of scatter crops increase. It is very important effect of working speed here. The more speed and angle increase, the more range increases, that is distance between beginning and dropping points increases and it is caused scattering more sparsely. It can be said that this decreases time of installing.

- **When possible, lower the angle to 12°- 14° levels in case that it is eroded shortening distributing springs.**



- Before starting to make adjustment work of working angle of rotors, put the machine on soil surface, stop motor, pull ignition switch and declutch power take-off shaft absolutely! Take measures by fixing tractor and supporting leg of the machine by means of braking mechanism in order to remove slipping risk!

- Bring adjustment arm on carrying wheels positioned to one (1) of holes providing working angle of rotors as shown in Picture 16 by removing locking pin from its place by moving it to desired angle position shown in Picture 15. When holes get into line affix the locking pin and fix it with its clip mounted on it.



Picture 15

6. GENERAL ADJUSTMENTS

6.1.3. ADJUSTMENT OF RUNNING DIRECTION ANGLE OF MACHINE

When completing distributing work in entire field, it is necessary to spread crops that has been scattered to edges in the middle by cleaning it from four edges. If this work is not completed well, crops at the edges of field loses its nutritional value and humidity and it is observed the best drying because of sparse spreading. One of the other purposes of this work is made on and for the name of desired institution and to make agricultural activities easier.

For that reason to start cleaning work by anyone from right or left side of field by directing an angle suitable to wheels of the machine, and to work there by encircling in four direction (See Article 17 "A" and "B").

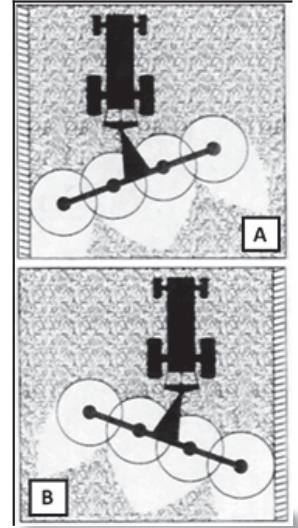
- Check tightness of distributing springs and squeeze loosen screws and change damaged fields. For this reason, use original spare parts.

-  There is a mechanical adjustment mechanism in A-RT 554 model in mounted type machines in order to adjust the direction angle (See Pictures 18, 19).

- It is provided that the lock be released freely by applying pressure to latch on spring locking arm [Picture 18 (1)] of suspension wheels in the manner seen in Picture 19 and if it will be started to work at the left edge of field as seen in Picture 17 (A), the locking arm is brought to the level as seen in Picture 19 (K3) and the latch is released freely.

- If it will be started to work at the right edge of field as seen in Picture 17 (B), the locking arm should be brought to the level as seen in Picture 19 (K1).

- Wheels move in (K2) level in parallel to forwardness direction that is without angle.



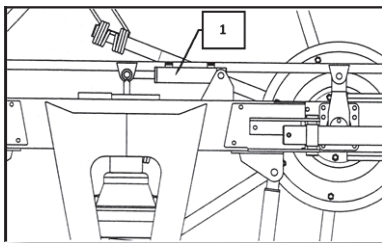
Picture 17



Picture 18


Picture 19

- A-RT 696 model of mounted type machine has been manufactured by equipping with hydraulic system in order to adjust direction angle of working; but if it is desired, it can be manufactured by equipping with mechanical system like in A-RT 554 model.



Picture 20

- Working direction of wheels is hydraulically controlled by giving movement ability to piston with double effects by means of pressure taken from hydraulic system of tractor by means of two hydraulic hoses (See Picture 20).

-  There is not any mechanical or hydraulic system to give direction to suspension wheels in order to adjust direction angle of working in Type A-RT 554 C model. Here, working angle is made by benefitting from holes on connection lama that we call nine holes affixing to lower connection arms of tractor (See Picture 6).

6. GENERAL ADJUSTMENTS

6.2. ADJUSTMENT OF TRANSPORTATION AND RUNNING OF MACHINE

- Make sure that there is not any adult, child or live animal between the machine and tractor within the unsafe limits of moving mechanisms that oscillate during Transportation and running of machine!
- Make connection of hydraulic hose to tractor, moving hydraulic cylinders playing a role in bringing right and left wings to carrying and running positions as required and check hydraulic system is working properly.
- Never run power take-off during carrying while shaft is connected! Material damage and losing risk of some parts by dropping are in question!
- Check traffic, carrying, lighting, warning mechanisms and protection mechanisms on the machine at the same time and take security measures in accordance with the instructions of producer!
- Performance and turning ability of machine change during working and driving in transporting position. Be careful that you have sufficient turn and braking ability in sharp bends as well as sloping roads! Tumbling danger!
- It is necessary that visors encircling disks and distributing arms should be as required affixed during transportation and working. Otherwise, in case of any shock there is a danger to constitute material damage in primary working organs of the machine.

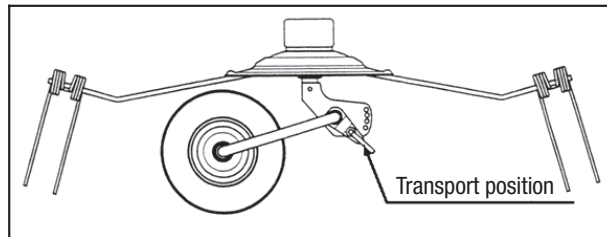
6.2.1. BRINGING MACHINE TO TRANSPORTATION POSITION

6.2.1.1. BRINGING MOUNTED TYPE MACHINE TO TRANSPORTATION POSITION.

(For A-RT 554 and A-RT 696 Models)



- First of all, it is necessary to bring positions of rotors to transport suitably (See Picture 26).



Picture 21

- To do this, bring adjustment arm on carrying wheels positioned to one (1) of holes providing working angle of rotors as shown in Picture 22 by removing locking pin from its place and by moving it to desired angle position (2) shown in Picture 23. When holes get into line affix the locking pin and fix it with its clip suspended on it.

6. GENERAL ADJUSTMENTS



Picture 22

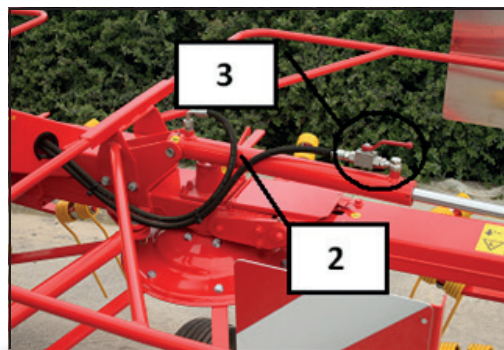
Picture 23

- Check connection of hydraulic hose (1) to tractor, which provides movement of hydraulic cylinders (2) playing a role in getting right and left wings to transporting and running position as required and check if the hydraulic system is functioning properly (See Picture 24)!



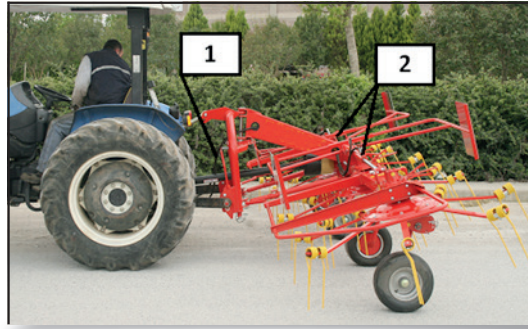
Picture 24

- It is necessary that valves of on-off faucet (3) on hydraulic pistons (2) are on position. Check them (See Picture 25)!



Picture 25

6. GENERAL ADJUSTMENTS



Picture 26

- Lifting of the wings continues until it is folded up with 90° angle as seen in Picture 26.
- When folding work is over, interrupt pressure in hydraulic hose and close valves of on-off faucet (3) on hydraulic pistons (2).



Picture 27

- Fix hydraulic hoses on their places on the machine by interrupting their connections from tractor (See Picture 28).
- Squeeze screw (2) on locking part of strainer in three point strainer (1) in order to prevent left-right movements of the machine during transportation/carrying (See Picture 29).

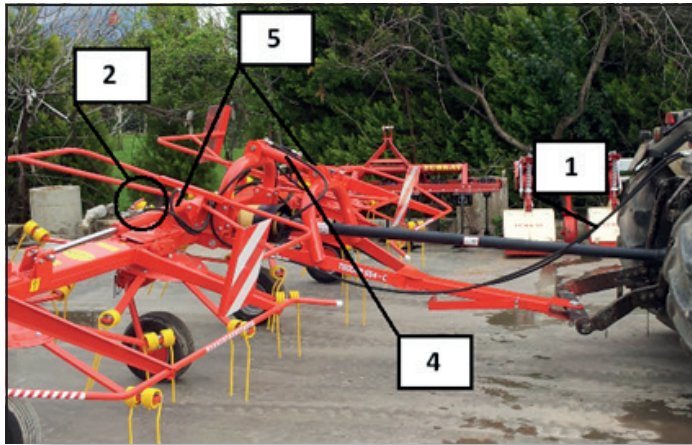


Picture 28


Picture 29

6. GENERAL ADJUSTMENTS

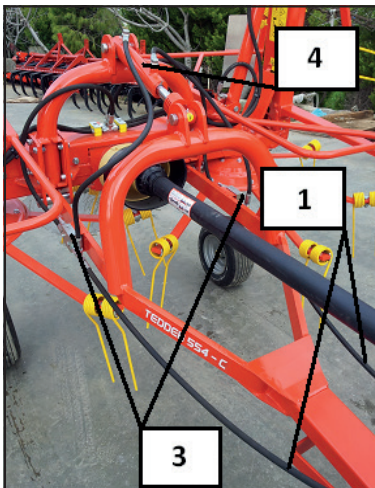
6.2.1.1. BRINGING PULL TYPE MACHINE TO TRANSPORTATION POSITION (For A-RT 554 Model)



Picture 30

 • Bringing position of rotors suitable to be transported different from mounted type machine can be made both manually and hydraulically by means of main hydraulic piston.

- Check connection of hydraulic hose (1) to tractor as required and check if the hydraulic system is functioning properly!
- Check if valves of on-off faucet (2) on hydraulic pistons (5) on right and left wings are on position.
- In pulling type machine, hydraulic pressure reaches to pressure arrangement valves (3) on primary flow line through hydraulic hoses (1) in the first step, from this place, it is transmitted to primary hydraulic piston (4) of position control directing working angle of rotors that distributing arms are tied, when piston has closed completely, pressure arrangement valves (3) steps in again and when pressure reaches to 50 Bars, it gives movement hydraulic pistons (5) playing a role in bringing right and left wings to transportation position.



Picture 31

- You will see that wings move up when right and left hydraulic pistons (3) run. Lifting of the wings continues until it is folded up with 90° angle as seen in Picture 32.
- When folding work is over, interrupt pressure in hydraulic hose and close valves of on-off faucet (2) on hydraulic pistons (2).
- Comply with the traffic regulations and relevant coded while driving on public roads open for traffic.
- Comply with the regulations related to transportable, axle weight and transporting measurements.



Picture 32

6. GENERAL ADJUSTMENTS

6.2.2- BRINGING MACHINE TO RUNNING POSITION

- First of all, make connection hydraulic hoses that you fixed on machine to tractor as required in order to bring the machine to working position which you had brought to Transportation position previously.
- Bring valves of on-off faucet on hydraulic pistons from off position to on position.

In Pull-Type machine (For A-RT 554 and A-RT 696 Models):

- If you have completed those works, apply pressure to hydraulic hoses. Thus, you will see that wings move lower when right and left wing hydraulic pistons start to function.
- Lowering of wings continues until they become parallel to ground as seen in Picture 26.
- Interrupt pressure in hydraulic hoses when wings are opened and bring valves of on-off faucet on hydraulic pistons to off position.
- Loose screw (2) on locking part of strainer Squeeze in three point strainer (1), which you squeezed previously in order to prevent left-right movements of the machine during transportation/carrying (See Picture 29).

In pulling type machine (For A-RT 554 C Model):

- Hydraulic pressure reaches to pressure arrangement valves on primary flow line through hydraulic hoses in the first step, from this place, it is transmitted to primary hydraulic piston of position control directing working angle of rotors that distributing arms, when piston has opened completely, pressure arrangement valves steps in again and when pressure reaches to 50 Bars, it gives movement hydraulic pistons.
- Thus, you will see that wings move lower when right and left wing hydraulic pistons start to function.
- Lowering of wings continues until they become parallel to ground as seen in Picture 30.
- Interrupt pressure in hydraulic hoses when wings are opened and bring valves of on-off faucet on hydraulic pistons to off position.

7. WORKING WITH TEDDER MACHINE

Alpler Rotary Tedder machine scatters mowed feed crops on surface by sowing and provides to dry them without losing nutritional value as soon as possible and thus since feed crops are harvested in a short time it provides to harvest more than once.



- The machine has been designed to use for agricultural purpose definitely and definitely. If you misuse for any purpose the producer firm will not be responsible for accident to occur. In this case all responsibility belongs to the user.

7. WORKING WITH TEDDER MACHINE

- All adjustments, working, using and maintenance-repair proceedings before starting to work should be performed by expert persons.
- Recognize all security mechanisms and moving elements on the machine before starting to work, at the same time, inform about their positions as well as their functions, otherwise you can be very late for accidents to occur during working.
- Make all connections of the machine in accordance with the instructions and be careful that all security mechanisms have been fixed on planned points!

- It is interdicted to climb the machine while it is working.
- Working with bale machine should be made under sufficient daylight! (See Picture 33)

• It is interdicted to work by driving backward! Risk of material damage!
Working at night dangers increase more. If it is necessary to work at night, be careful to lighten environment sufficiently!

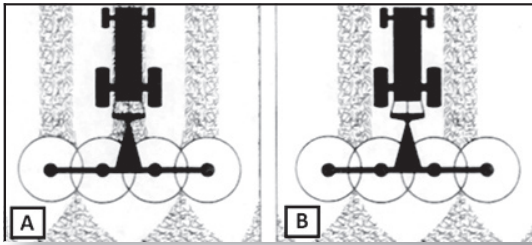
- Make sure that there is not any adult, child or live animal between the machine and tractor or around scattering arms within the unsafe limits (at least 5 meters) during running of machine!

- Arrange rate of feed depending on work conditions and situation of area on which it will be worked during working with the machine! (Maximum permitted working speed is 6-7 km/h!)

Avoid from sudden turns in downgrade, upgrade and sloping places!

Performance and turning ability changes during working. Be careful that you have sufficient turn and braking ability in sharp curves! Danger of tumbling!

- It is dangerous to work with tractor in sloping land. However if you have to work in sloping land, work carefully and do not make very sharp turn in corners. To cultivate sloping working area, be careful that tractor is equipped with sufficient additional load.



Picture 34

- Permitted maximum cycle of power take-off is 540 QUOTE (rpm).
- If tractor that you work does not have a closed driver's cab, please use sound protector and protective glasses during working and if dust and smoke exits are in questions use mask!

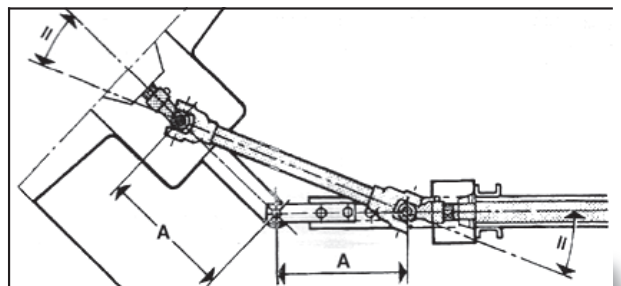
- Make all adjustments of the machine by applying the steps explained in instruction book in details and drawn attention with "" mark as required in order to get maximum performance and to work correctly.



Picture 33

- If it is narrow distance between stacks constituted by mowed feed crops in working with ALPLER Rotary Tedder machine, tractor can scatter stacks by passing over one stack between two stacks [See Figure 34 (A)], if the distance is wide, it scatter stacks by going between two stacks [See Picture 34 (B)].

- Take care that turning direction is at the left hand side continuously. Turning right should not be made if it is not necessary. (A) values in Machine - Tractor connections shown in Picture 35 should be equal with each other so that both shafts can turn with the same angles.



Picture 35

8. CARRYING MACHINE FROM ONE PLACE TO ANOTHER



Picture 36a

- Transporting with the help of forklift: Select forklift suitable to machine weight. Lift the machine from transporting point (1) positioned in gravity center. Pass spanzet to transporting point and fix its ends to hook of forklift and transport the machine securely (See Picture 36.a).



Picture 36b

- Transporting with the help of crane: It is used the same method as in forklift. Pass spanzet to transporting point and fix its ends to hook of forklift and transport the machine securely. Make sure that lock of hook of crane is functioning properly (See Picture 36.b).
- Transporting with the help of pallet: Select a pallet suitable to size of the machine. Make sure that pallet it is solid! Pass transporting ends of forklift from suitable clearances and transport the machine securely.
- Never enter under the machine during transportation!
- Never permit that anyone approaches under and close to area when the machine is transported by means of forklift, crane and pallet!
- Be careful that hooks and ropes of forklifts and cranes are suitably secured during transportation!

9. PERIODICAL MAINTENANCE AND REPAIR OF MACHINE

9.1. SPECIAL SECURITY INSTRUCTIONS

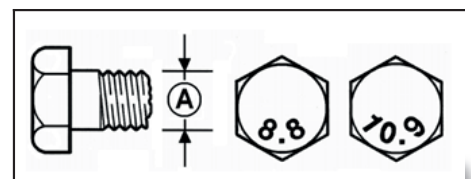
- Put the machine on soil surface, stop motor, pull ignition switch and declutch power take-off absolutely before starting to carry out activities such as repair, maintenance, cleaning etc.
- After cleaning service area where maintenance and repair will be performed, be careful that ground is dry. Do not hinder controls of electrical socket and devices.
- If it is necessary to lift the machine for maintenance and repair, it should be used recommended hoist, suitable rope, chain etc for suspending works.
- The machine should be preserved on solid and plain ground and closed environment. Moreover, it should be put under protection against rolling and tumbling dangers by supporting with scotches.
- Interrupt connection of cables from battery and generator during welding works in tractor and machines connected to tractor!
- Use suitable tools in determination of leaking points in order to prevent accidents and wounding during periodical maintenance and repair of the machine! When hydraulic oils under high pressure leak can cause heavy wounding by penetrating under skin! Get medical help immediately in case of wounding! There is infection risk!

9.2. GENERAL

- Call authorized service or technical service of the producer firm for your every question regarding repair and maintenance of your machine!
- Make sure that there are first aid kit and fire extinguisher in the area where repair and maintenance are performed!
- Spare parts to be used for repairing the existent machine should be only original spare parts that is suitable to technical characteristics, recommended by producer and should be performed safe repair by using suitable tools and devices. Otherwise producer may not be responsible for accidents and wounding to occur!
- The machine should be preserved on solid and plain ground and closed environment. Moreover, it should be put under protection against rolling and tumbling dangers by supporting with scotches.
- After completing your application on the machine, do not forget any tools used are remained on the machine!
- Security mechanisms on the machine should be controlled regularly and those losing their functions should be renewed absolutely!
- Use original spare parts only. This lengthens the life of your machine!
- Comply with instructions of periodical maintenance and repair unconditionally in order to provide to work your machine without fault and to minimize abrasion!

9.3. TIGHTNESS CONTROL OF SCREWS AND NUTS

Check all screws and nuts after the first 3 hour working and later (approximately once in every 50 hours) periodically and squeeze loose screws and nuts.



Moment of squeezing screws and nuts $M_A M_A$

9. PERIODICAL MAINTENANCE AND REPAIR OF MACHINE

A Ø	8.8	10.9	12.9
	$M_A M_A (N_m N_m)$		
M 5	5,9	8,7	10
M 6	10	15	18
M 8	25	36	43
M 10	49	72	84
M 12	85	125	145
M 14	135	200	235
M 16	210	310	365
M 20	425	610	710
M 24	730	1050	1220
M 27	1100	1550	1800
M 30	1420	2100	2450

Table 3

- It is a very important periodical maintenance to control tightness of screws and nuts and to squeeze them. Neglecting them can constitute many risks such as losing risk by dropping parts of machine, causing an accident by springing any part during working, causing accident with large damage in the machine etc! BE CAREFUL!

9.4. CONTROL OF TIRE PRESSURE

Check tire pressure regularly and be careful that it includes recommended values in Table 3!

TYPE	Size of Tire	Pressure (bar)
A-RT 554/ 554C/ 696	16×6,5-8	2 (Max. 3,0)

Table 4

- Assembling of wheels is work requiring to be made by expert persons by using recommended tools requiring a special attention!
- It is permitted that works such as maintenance, repair, change etc are realized by professional persons that have suitable tools! Before starting to work, put the machine on soil surface, stop motor, pull ignition switch and declutch power take-off absolutely.
- Be careful that the machine is positioned on plain surface and take precautions to remove slipping risk by using braking mechanism or supporting it by scotches before starting to work on wheels.

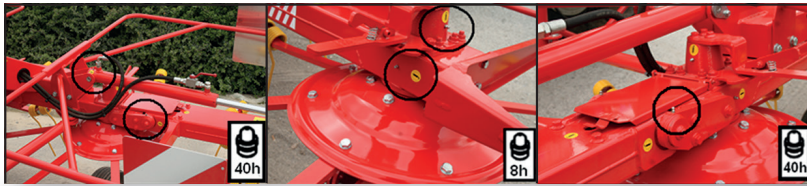
9. PERIODICAL MAINTENANCE AND REPAIR OF MACHINE

9.5. LUBRICATION MAINTENANCES

Points that have grease nipple on the machine and require to be lubricated once in every 8, 10 and 40 hours periods are shown in Pictures 37, 39, 42 in details.

Periodical lubrication maintenance should be never hindered and should be performed regularly in order that the life of working of your machine is long, it is functioning properly and to minimize abrasion!

- Perform lubrication maintenance of your machine only when stopping motor of tractor, pulling ignition switch and declutching power take-off absolutely.



Picture 37

Picture 38

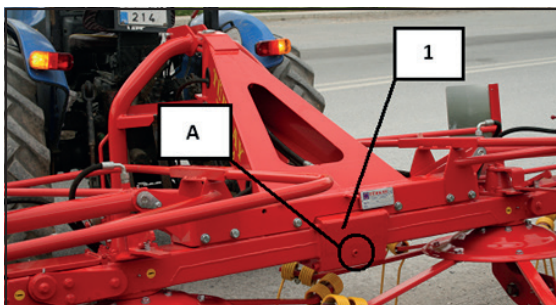
Picture 39



Picture 40

Picture 41

Picture 42



Picture 43

Absolutely check oil in transmission (1) of the machine shown in Picture 43 before using the machine. Oil level should be in alignment of oil filler plug that is level plug whose oil level is shown in (A). (Perform this check periodically every approximately 40 hours!)

If it has lowered, complete it with SAE140EP/3.5 (140 Number oil) that is standard (A) from the location where oil filler plug is included.

Empty and change oil against contaminating probability at least one in every season absolutely.

9. PERIODICAL MAINTENANCE AND REPAIR OF MACHINE

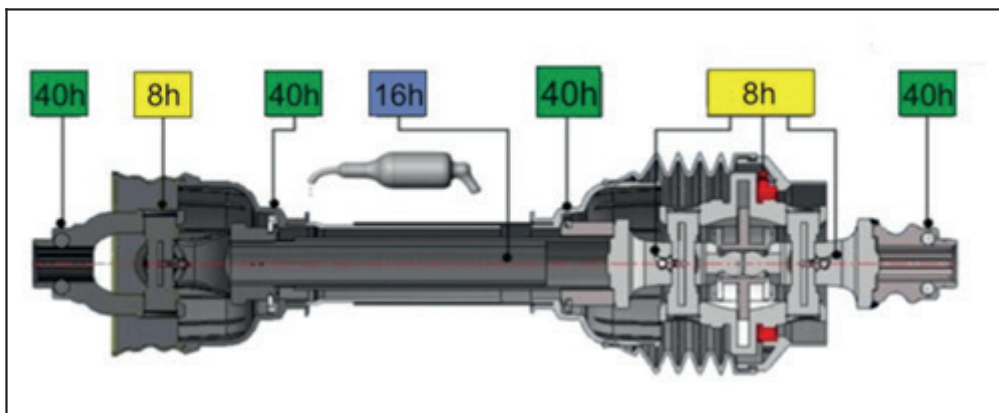
TYPE	Position	Type of Oil	Filling amount (L)	Period of Change
Transmission	Center	SAE140EP/3.5	1,15 Liter	At least one in a year

Table 5

- Keep oils of transmission and grease suitably. Absolutely read instructions on packing in connection with using and keeping conditions!
- Take care to use vegetable-based grease oil!
- Periodical lubrication maintenance should be never hindered and should be performed regularly in order that the life of working of your machine is long, it is functioning properly and to minimize abrasion!
- Periodical lubrication maintenance of transmission should be never hindered and should be performed regularly in order that the life of working of your machine is long, it is functioning properly and to minimize abrasion! If there is not enough oil in transmission or if it is decreased or if it is contaminated, they can't be functioning properly and your machine goes out of order! BE CAREFUL!

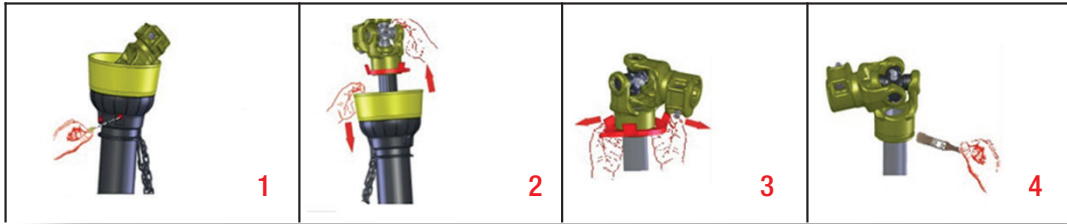
9.6. PERIODICAL MAINTENANCE OF P.T.O SHAFT

Lubricate shaft from points shown in Picture 44 in frequency of specified hour (h) with grease oil periodically.



Picture 44

9. PERIODICAL MAINTENANCE AND REPAIR OF MACHINE



Picture 45-1

Picture 45-2

Picture 45-3

Picture 45-4

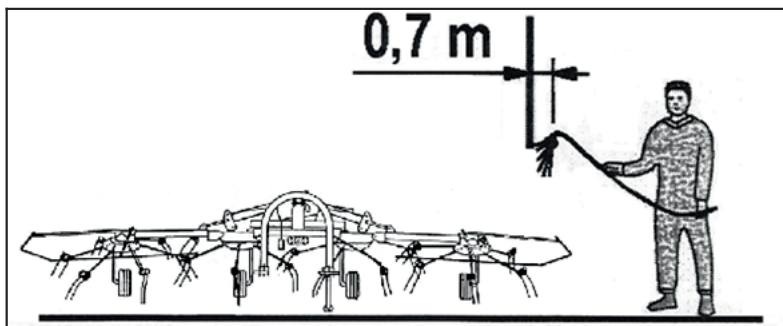


- Press segment canal from points shown Picture 45-1 with the help of a screwdriver.
- It is pulled cover that is blighted in Picture 45-2 in the directions of arrow.
- Segment shown in Picture 45-3 is separated from canal by pulling in the directions of arrow.
- It is made lubrication while it is separated segment shown in Picture 45-4.

Periodical maintenance and lubrication of P.T.O Shaft should not be forgotten and should be performed regularly.

Use original shaft recommended by the producer only! The firm will not be responsible for accidents to occur as a result of using another shaft.

10. CONDITIONS OF CLEANING AND KEEPING IN COMPLETION OF WORK



Picture 46



- When the work is over, lower the machine on the ground and make sure that it is fixed. The machine should be put under protection against rolling and tumbling dangers by supporting with scotches.
- Recommended method is to clean your machine with abundant of water that does not have high pressure after each using. If it is not clean, it causes dirty, humidity and rust.
- It is not recommended to use water with high pressure to clean the machine. If the machine will be cleaned with pressurized water, there should be 0.7 meter between you and nozzle where water will exit!

10. CONDITIONS OF CLEANING AND KEEPING IN COMPLETION OF WORK

- Check substances that can be remainder of herb, connection points of scattering spring and arms etc on machine, disassemble and clean them if required. Enzymes appearing during decaying can cause ravages on surface of the machine.
- When cleaning of the machine is over, lubricate all lubrication points, from points explained and shown in section of lubrication maintenance in details.
- Perform cleaning in P.T.O Shaft in recommended manner and lubricate all necessary points in explained way.
- Determine parts on machine, which are subject to damage, and if necessary, replace them with original spare parts.
- If there is paint destroying, retouch. Cover shining surface with dust protector.
- Machine should be preserved on solid and plain ground and kept dry and closed environment.
- Decrease pressure of tires and protect them from sun.
- List necessary spare parts and order to Turkey authorized service, dealer or producer firm directly before season. Thus, you requirements can be met on time and your machine becomes ready to be used for next season completely.

11. PREPARATION FOR NEW SEASON



- Wipe and clean grease and oils used to protect the machine according to preserving conditions on some surface and elements.
- Grease machine from all points in recommended way.
- Check oil levels in transmissions and complete them when necessary.
- Bring tire pressures to recommended air pressure.
- Check tightness of all screws and nuts and squeeze them when necessary.
- Make all adjustments of the machine in a manner explained in details.
- Make all connections of the machine in accordance with the instructions and be careful that all security mechanisms on machine fixed on planned points!
- Read general security instructions and sections regarding preparing the machine to work again carefully.

12. INFORMATION ON PRODUCTIVE USE IN TERMS OF ENERGY CONSUMPTION

ALPLER Rotary Tedder Collection Machine is in the group of “Harvesting Machinery” in the list of Regulations about After Sale Services of Industrial Goods prepared in accordance with Code about Protecting Consumer numbered 4077 and it has been determined that its economic life is 10 years.

PRODUCTS	NUMBER OF SERVICE STATIONS	LIFETIME
10- AGRICULTURAL AND FARMING EQUIPMENT AND MACHINERY		
A- Sowing-planting and fertilizing machinery	At least 1 service station	10 years
B- Harvesters	Total 5 service stations in 5 geographical areas	10 years
C- Harvesting Machinery	At least 1 service station	10 years
D-Livestock Machinery	At least 1 service station	10 years
E-Pest Control Equipments and Trailers	At least 1 service station	10 years
F- Tillage Machines	At least 1 service station	10 years
G-Lawn Mowers	At least 1 service station	10 years
H- Bush trimmers, chain saws, wood chipper machines and such	At least 1 service station	10 years

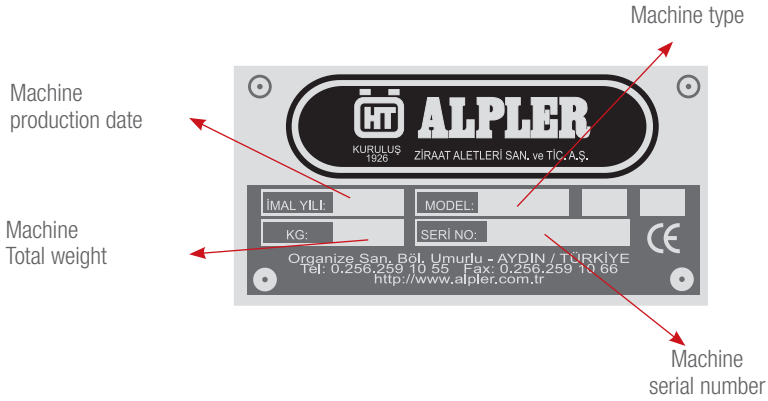
Table 6: List of the Products for Which Service is Requested Pursuant To Consumer Protection Law No. 4077



In order to use machine more productively in terms of power consumption;

- First of all, make sure that minimum power requirement is suitable to tractor.
- Check tightness of screws and nuts. Carry out this control periodically.
- Replace eroded or broken parts by using original spare parts.
- Apply all periodical lubrication maintenance of machine in recommended manner and regularly.
- Leave the machine by cleaning it after each use in order to prevent any squeezing in turning elements and against excess shouldering and extra energy consumption.
- It should be taken into consideration littleness and rarity of mowed feed crops in all adjustments of the machine to be carried out.

13. WARRANTY



Use original spare parts in ALPLER branded products. The customer will be responsible for the problems that occur due to not using original spare parts. The Rotary Tedder will not be covered by the warranty when non-original parts are installed on the machine, additional equipment is attached on the machine or it is used after removing standard parts.

While ordering spare parts, for the codes beginning with '0', machine serial number together with the part code should be provided. For other codes, it is not necessary to provide the Rotary Tedder serial number.

Label information is important for identifying the machine and for spare part orders. As a measure against the illegibility of the label due to deformation or its loss, label information on the machine should be written literally in the corresponding fields of the following label picture, and it should be retained.

Our Rotary Tedders are **warranted for 2 years** for faults that may occur due to material, workmanship and mounting errors.

Faults resulting from improper use are not covered by the warranty. The average lifetime is 10 years.

13. WARRANTY

WARRANTY CERTIFICATE

Warranted by ALPLER for a period of two years

BRAND: ALPLER

PRODUCT TYPE:

MODEL:

SERIAL NUMBER:

DATE OF PRODUCTION:

Seller's

Title:.....

Address:.....

Phone:.....

Fax:.....

Invoice Date:.....

Signature & Seal



Exports to 75 countries
on 5 continents.

HT ALPLER

ALPLER AGRICULTURAL MACHINERY

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