



DISC MOWERS C

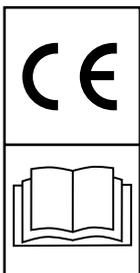
FPM 627 926C

FPM 627 927C

FPM 627 928C

FPM 627 715C

FPM 627 113C



USER GUIDE AND LIST OF SPARE PARTS
PLEASE READ CAREFULLY BEFORE USE

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FOREWORD

IMPORTANT!



This user guide contains detailed information required for the proper use and maintenance of the product. We are asking you to read it carefully before using the product and to observe the instructions for proper functioning, maintenance, and safe use. The instructions will help you get to know all features and characteristics of the product, as well as the sequence for performing all necessary operation during use. Failure to observe the recommendations and instruction can lead to damage to the product and to serious injury to the user and nearby persons.

NOTE: FPM AGROMEHANIKA IS CONSTANTLY STRIVING TO IMPROVE AND ENHANCE ITS PRODUCTS AND THEREFORE RESERVES THE RIGHT TO CARRY OUT MODIFICATIONS AND IMPROVEMENTS WHEN NEEDED, WITH NO OBLIGATION TO MODIFY PREVIOUSLY MANUFACTURED OR SOLD EQUIPMENT.



CAUTION! THE MANUFACTURER IS NOT RESPONSIBLE FOR THE CONSEQUENCES OF INCORRECT USE AND/OR DISREGARD OF RECOMMENDATIONS GIVEN IN THESE INSTRUCTIONS.

1. INTRODUCTION

1.1 General information about the product

Disc mowers KC are rear tractor mowers designed for harvesting all types of grasses, forage plants, and road-side surfaces, and for communal works.

These mowers possess strong cutter bars with serrated transfer and are characterised by high reliability even during intensive use. They are also suitable for use under difficult working conditions, such as: laid down or tangled grass, wet ground, ground with molehills, ground at an incline, during moderate rains, or similar.

NOTE: THE NAMES OF MOWERS, PRODUCTS, AND MACHINES IN THIS MANUAL REFER TO DISC MOWERS.

1.2 Technical characteristics

Type	FPM 627.926C	FPM 627.927C	FPM 627.928C	FPM 627.715C	FPM 627.113C
Working width (m)	1.6	2.0	2.4	2.8	3.15
Number of discs	4	5	6	7	8
Number of blades per disc	2			2	
Linkage	at three points			at three points	
Tractor category	I, II			I, II	
Minimal tractor power -kw(hp)	21(29)	25(34)	31(42)	38(52)	41(56)
Number of tractor shaft revolutions(rpm)	540			540	
Number of disc revolutions (rpm)	3030			3030	
Maximum tractor working speed (km/h)	16			16	
Maximum work output (ha/h)	2.5	3.2	3.8	4.5	5
Cut height (cm)	3-9			3-9	
Swath width (m)	1.2	1.4	1.8	2.2	2.5
Cutter bar suspension system	hydraulic			hydraulic	
Required hydraulic connector	1-way valve			1-way valve	
Safety mechanism	yes (floating lever)			yes (floating lever)	
Transport position width	tractor width+25cm			tractor width+25cm	
Weight (kg)	366	405	452	530	650

1.3 Identification plaque

For the purposes of ordering spare parts, as well as for any questions concerning the proper use and maintenance of the product, it is necessary to state information from the identification plaque. In order for this information to be always easily available to you, we advise you to enter it into the blanks of the illustration below.



The identification plaque contains the following information:

- In the field marked with "Z" – you will find the number of certificate (document) for safety at work.
- In the field marked with "MASA/WEIGHT" – you will find the product's weight;
- In the field marked with "GODINA/YEAR" – year of manufacture (last two digits);
- In the field marked with "SERIJA/TYPE" – product label;
- In the field marked with "No" – you will find the product's serial number composed of nine digits;

NOTE: USING ORIGINAL SPARE PARTS APPROVED BY FPM AGROMEHANIKA GUARANTEES PROPER FUNCTIONING OF THE MACHINE, AS WELL AS SATISFACTORY PERFORMANCE. USING SPARE PARTS AND EQUIPMENT NOT APPROVED BY FPM AGROMEHANIKA EXCLUDES ANY LIABILITY OF THE MANUFACTURER FOR ANY POSSIBLE DAMAGE.

1.4 Limited warranty

I General conditions

The company FPM AGROMEHANIKA A.D. (hereafter FPM) guarantees that the product will function properly for 2 years from the date of the product's delivery to the buyer. This warranty covers all parts manufactured by FPM, whose lifetime is longer than two years and which have been determined to be faulty due to material defects, bad manufacturing, and/or incorrect assembly, by the assessment of FPM or its authorised service centre.

For buyers in Serbia, FPM provides all rights pursuant to Articles 54 and 55 of the Law on Consumer Protection, and for buyers outside of Serbia, the rights that are in accordance to that country's relevant laws shall apply.

II Responsibilities of FPM according to the warranty

FPM has committed itself to replace and repair any defective parts/assemblies during the warranty period free of charge, if that has been caused by material defects, bad manufacturing, or incorrect assembly. The deadline for removing the fault is up to 45 days from the day of reporting. The replaced parts are the property of FPM and they are handed over to the authorised serviceperson or distributor.

III Exceptions and limitations

This warranty does not cover:

- parts made of wood;
- parts/assemblies not manufactured by FPM (tyres, plastics, belts, engines, etc.). These items are covered by the warranty of the responsible manufacturer:
- parts that are normally expended during the product's use (consumables), as well as lubricants. These parts are specifically listed/labelled in the user manual for each product;
- regular servicing and maintenance of the product as specified by the user guide.

The warranty does not cover a fault resulting from:

- an act of a higher power (flood, thunder, earthquake, etc.);
- not respecting and observing the instructions set out in the user guide, and relating to proper use, setting, maintenance, servicing, and storing of the product;
- changes and modifications to the product that are not stipulated by FPM;
- installation of non-original parts, or parts and lubricants that are not approved or recommended by FPM;
- the user's failure to immediately report a fault or the user's opposition to an immediate repair;
- unprofessional servicing by the user or an unauthorised service centre.

All expenses of transporting the product or parts to an authorised service centre and back, as well as oil changes are borne by the user.

IV Responsibilities and liabilities of the user

The user is obliged to respect all instructions stated in the user guide, and relating to proper use, setting, maintenance, servicing, and storing of the product, as well as to carry out all actions intended for regular maintenance and servicing of the product at an authorised service centre. In case of a problem occurring during use, they must immediately contact a distributor from which they purchased it or a nearby authorised service centre. Also, the user must give for inspection a receipt and a warranty form to the distributor or an authorised service centre in order to take advantage of warranty rights.

V Procedure for resolving complaints

The buyer and the distributor (seller) have a responsibility to fill in the warranty card correctly and send one copy to the address of FPM. This form must be sent within 7 days from the date of purchase in order to confirm the warranty and ensure post-sale support. The product's fault must be reported within the warranty period to the distributor from whom the product was bought or at a nearby authorised service centre within 30 days at most from the day when the problem occurred. In order to have rights under warranty, the user is obliged to hand over the receipt and warranty card for inspection when delivering the defective product to an authorised service centre or upon an authorised serviceperson's visit.

2. SAFETY WARNINGS

Safety warnings of a potential danger are indicated in two ways:

1. Recommendations for safe use in the manual;
2. Warning signed (labels) on the product.

2.1 Meaning of the warning signals

Symbols and warnings in this manual describe potential danger during use, inspection, or maintenance of the product and are divided into 4 groups according to the level of the potential danger. These warnings are intended to draw the user's attention to be cautious for their own safety and for that of people who are working with them. Failure to respect the instructions and warnings described may result in serious injuries or, in the worst case, death.



Indicates a high-risk situation which, if not avoided, could lead to serious injuries or death.



Indicates a potentially dangerous situation which, if not avoided, could lead to material damage and minor injuries.



WARNING!

Indicates a potentially dangerous situation which, if not avoided, could lead to serious injuries or death, as well as material damage.

NOTE

Indicates general indications and tips for safe, proper, and efficient use of the product.

2.2 Recommendations for safe use

2.2.1 General recommendations

1. The stated instructions for use, maintenance, and safety at work must be respected unconditionally in order to ensure safe and reliable functioning.
2. Before starting work, the operator must be fully familiar with the functioning of all parts of the machine, and especially know how to quickly and safely turn off the machine in case of danger.
3. Use a tractor with a cabin. Keep all windows closed during work.
4. Before starting the machine and during use, pay attention that other persons or animals are at a safe distance.
5. Never take other persons on the machine during work or transport.
6. While attaching or detaching the machine from a tractor, always move the leaning switch to the appropriate position.
7. Be especially careful while attaching or detaching the machine from a tractor.
8. Before use, check that the front tractor shaft is sufficiently weighted. Attach weights to the appropriate place if needed.
9. Pay attention not to exceed the permitted shaft load and total tractor weight, as specified by the tractor manufacturer.
10. Respect the prescribed and permitted dimension during transport.
11. Before beginning transport on public roads, be sure to insure the machine for a safe drive, label it appropriately, and respect public traffic rules.
12. Before transporting the machine on public roads, be sure to set it into the transport position as explained in this manual.
13. Never turn on the joining axle of the tractor while the machine is in the transport position.
14. Never leave the driver's seat while the machine is operating.
15. Adjust the speed of motion to working conditions and conditions on the road. Always avoid sudden changes of direction.
16. Be especially careful while turning and keep the machine's dimensions in mind.
17. Remove all foreign objects from the working area (the field), which can damage the machine and endanger your safety.
18. Before you leave the tractor or before making adjustment, repairs, or maintenance of the machine, put the machine on the ground, turn off the Cardan joint power, turn off the tractor engine, take out the key, and pull the tractor parking brake.
19. Do not stand between the machine and the tractor unless the tractor parking brake has been pulled and/or wedges are placed under the wheels.
20. Before making any adjustments, repairs, or maintenance of the machine, make sure the machine does not accidentally move.

2.2.2 Fitting the machine onto a tractor

1. Before every attaching or detaching of the machine from a tractor, block hydraulic controls in order to prevent any unwanted rising or lowering.
2. While attaching the machine onto a tractor, make sure that the tractor linkage points correspond to the machine linkage points.
3. The area around the linkage points is very dangerous, so be particularly careful.
4. While using external hydraulic controls, do not stand between the tractor and the machine.
5. Block lateral motion of joining levers of the tractor during transport.
6. While transporting the machine, fix the hydraulic controls of the tractor in the appropriate position.
7. Do not work with or transport the machine on uneven or sloping ground with a narrow wheel tractor.

2.2.3 Using the Cardan joint

1. Only use the Cardan joint bundled with the machine or one prescribed by the machine's manufacturer.
2. Protective parts of the Cardan joint must be installed and in good condition.
3. Pay attention to the required crossing of the pipes in the transport and working positions.
4. You may only attach or remove the Cardan joint if the tractor output shaft is turned off, the engine is turned off, and the ignition keys taken out.
5. If the Cardan joint has a safety link, place the link towards the machine while attaching the Cardan joint.
6. Always take care to attach the Cardan joint properly.
7. Fasten the protective parts of the Cardan joint with anti-rotation chains.
8. Before turning on the tractor output shaft, make sure that the selected number and direction of rotations is compatible with manufacturer recommendations.
9. Before turning on the tractor output shaft, make sure that all persons or animals are at a safe distance.
10. Do not turn on the tractor output shaft until the tractor engine has been turned off.
11. Make sure that the working angle is compatible with manufacturer recommendations.
12. Once you have detached the machine, place the Cardan joint in the appropriate casing.
13. Once you have detached the Cardan joint from the tractor, place the safety lid onto the tractor output shaft.
14. If the Cardan joint gets damaged, immediately replace it with a new one or contact a nearby service centre. Any unprofessional intervention may lead to unbalancing of the Cardan, which can lead to improper functioning and damage to the machine or the tractor output shaft.

2.2.4 Hydraulic installations

1. **WARNING!** The hydraulic installation of the machine is under great pressure (maximum working pressure is 200 bars).
2. While attaching the hydraulic cylinder tube, pay attention that the connectors fit appropriately.
3. While attaching the hydraulic tube link to the tractor hydraulic valve, be careful that the hydraulic installation is without pressure either towards the tractor or the machine.
4. We recommend that you mark the hydraulic connectors in order to avoid erroneous connections. Mixing opposite-function connectors (for raising and lowering) may cause risk of injury.
5. Regularly check hydraulic tubes and be sure to replace them after 5 years of use, at most. Immediately replace damaged or prematurely worn tubes. The replaced tubes must correspond to the technical requirements of the machine's manufacturer.
6. If you notice leaking from the hydraulic system, take all necessary measures to prevent an accident.
7. Hydraulic fluid squirting under high pressure may puncture the skin and cause injury. In case of injury, immediately seek medical attention! There is risk of infection!
8. Before working on the hydraulic installation, place the machine on the ground, release pressure from the hydraulic installation, and turn off the tractor engine.

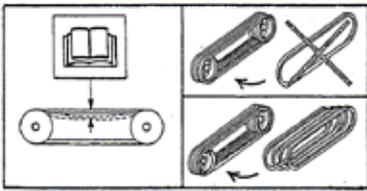
2.2.5 Maintenance

1. Before checking for any faults with the machine or making adjustment, repairs, or maintenance of the machine, turn off the Cardan joint power, turn off the tractor engine, take out the key, and pull the tractor parking brake.
2. Regularly check that nuts and bolts are screwed up properly. Tighten them if needed.
3. In case that the machine is raised, secure and fasten it using appropriate support before performing any action on it.
4. When replacing working parts, always wear protective gloves and use appropriate tools.
5. Regularly check protective parts intended for the safe use of the machine. Replace them immediately if needed.
6. Spare parts must comply with manufacturer recommendations and standards. Only use original FPM Agromehanika spare parts.
7. Repairs of parts that are under pressure or weighed down (hydraulic cylinders, tubes, springs, etc.) may only be carried out by trained staff with the appropriate equipment for such works.

2.2.6 Special recommendations

1. Keep a safe distance from the mower when the discs are revolving.
2. Do not wear too loose-fitting clothing in order to prevent them from being caught by the mower's moving parts.
3. Before using the mower, place all protective parts into the appropriate position.
4. Before each use of the mower, check that all the parts (nuts, bolts, and others) are sufficiently screwed in.
5. It is especially important that the cutting elements are properly fitted for safe use. Only use parts and tools recommended by the manufacturer.

3



For your mower to function properly, the V-belts must be properly fitted, so that the deflection is 10mm. When replacing worn-out belts, replace the entire set of belts, regardless of the condition of one belt compared to others.

4



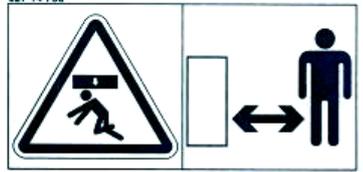
Rotating elements! During the machine's operation, there is a possibility of objects being thrown from the ground at a great distance. Keep a safe distance from the machine.

5



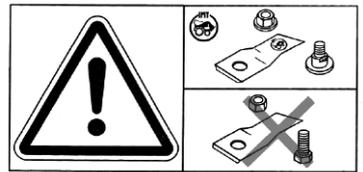
Rotating elements! Keep a safe distance from the machine's moving parts while the tractor is in operation, and the Cardan joint is turned on.

6



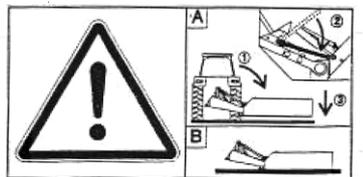
Danger of objects falling. Keep a safe distance from the machine.

7



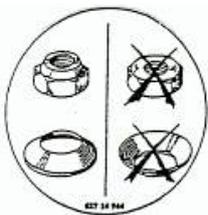
Only use original parts and those recommended by FPM Agromehanika.

8



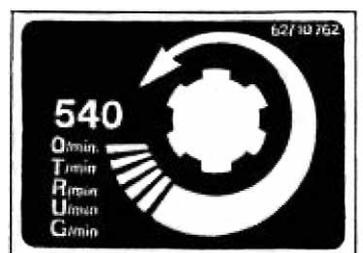
Before detaching the mower from the tractor, do the following:
 1. Lower the cutter bar into a horizontal position.
 2. Put the axle in the parking position.
 3. Lower the machine to the ground.
 The machine must always be parked with the cutter bar in the horizontal position (B).

9



Be sure to use the appropriate original parts.

10



Number of revolutions of the Cardan joint must not exceed 540 rpm.

3. ASSEMBLY

Safety warnings of a potential danger are indicated in two ways:

In order to facilitate the transport of the mower, certain parts and assemblies are disassembled. Depending on the target market, the extent of disassembling may vary.

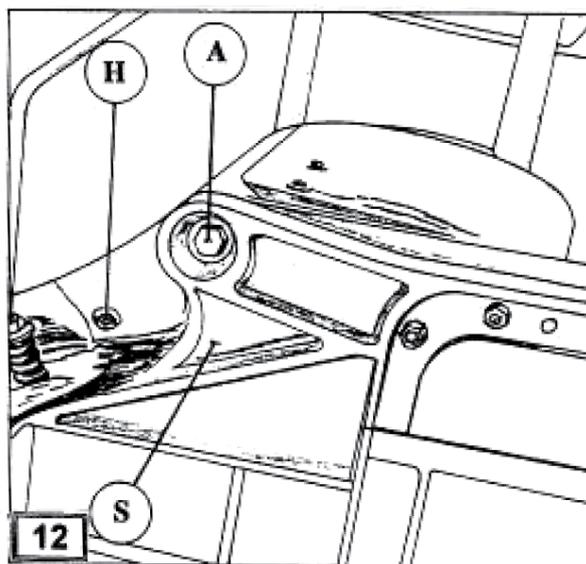
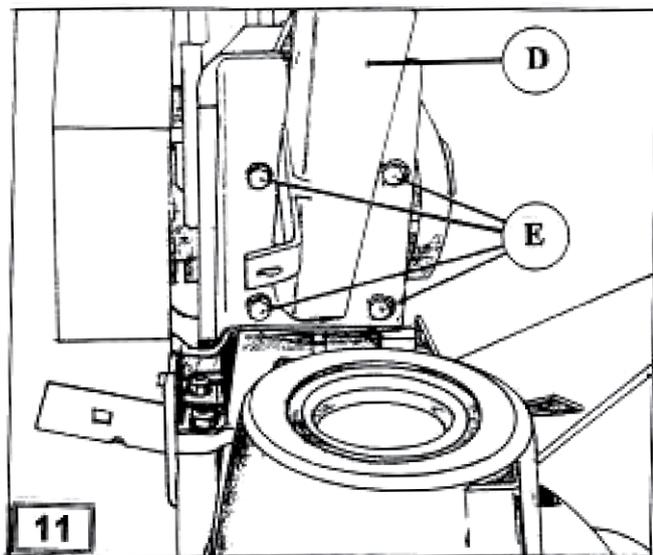
In order to assemble the mower properly and prepare it for use, do the following:

3.1 Assembling the protective frame carrier and hydraulic cylinder

Fasten the carrier frame (D) (figure 11) to the four-screw multiplier (M12x35) (E) as shown in figure 11 (tighten the screws with the torque of 14 daNm).

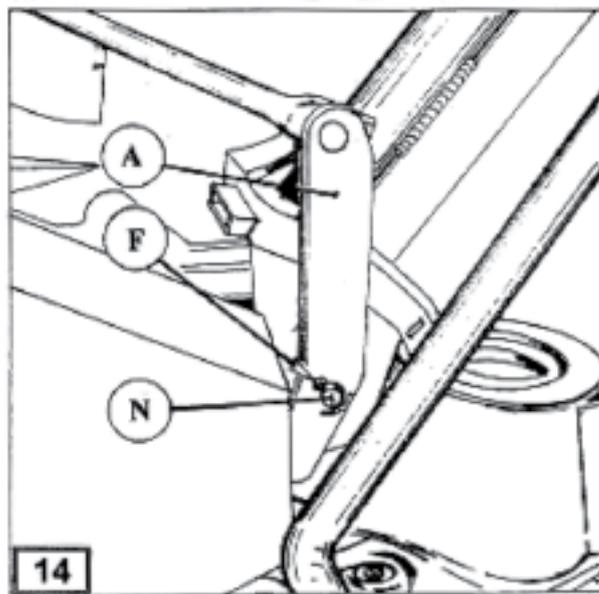
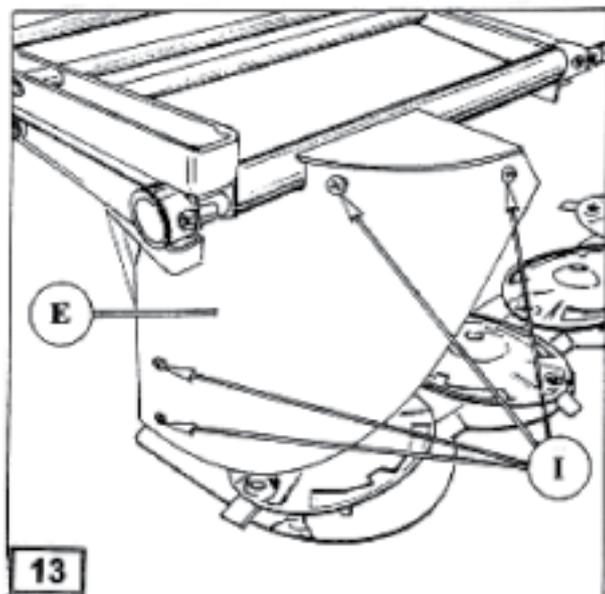
NOTE: FOR MOWERS FPM 627.928/715/113, DO NOT TIGHTEN THESE FOUR SCREWS FULLY "FOR NOW".

For mowers FPM 627.928/715113, fasten the end of the protective frame carried (D) with bolt A (M16x50) to the swath former carrier (S). Tightening torque 28 daNm. Then fasten bolt H (M12x30) figure 12. Now tighten the bolt (E), 4 commands (figure 11), and the required torque for tightening is 14 daNm.

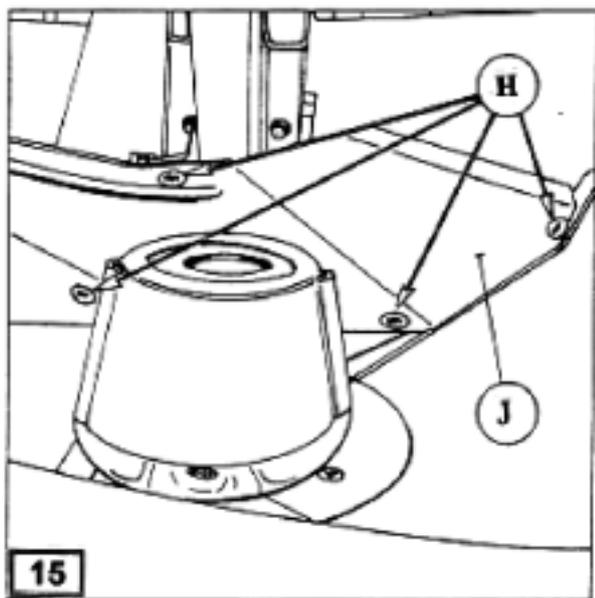


For mowers FPM 627.928/715/113, fasten the external metal casing with four screws (I) (M10x25) and 4 self-locking nuts (M10) onto the protective frame carrier as shown (figure 13).

Fasten the hydro-cylinder fork (A) as shown (figure 14), and secure the axle (N) with elastic pins (F) (\varnothing 5x30).

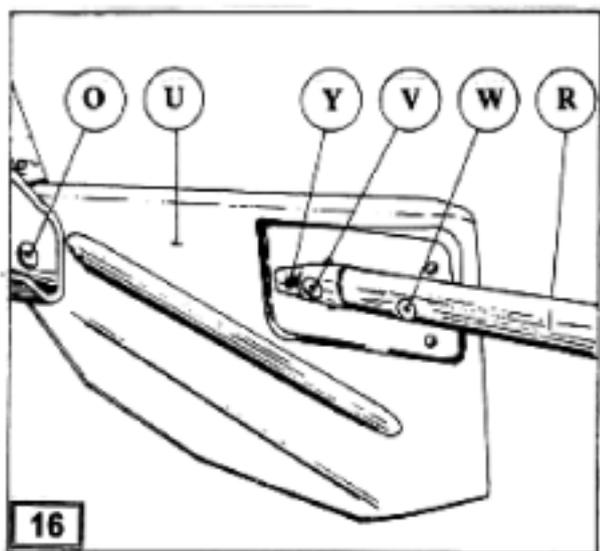


3.2 Assembling the internal protective sheet metal



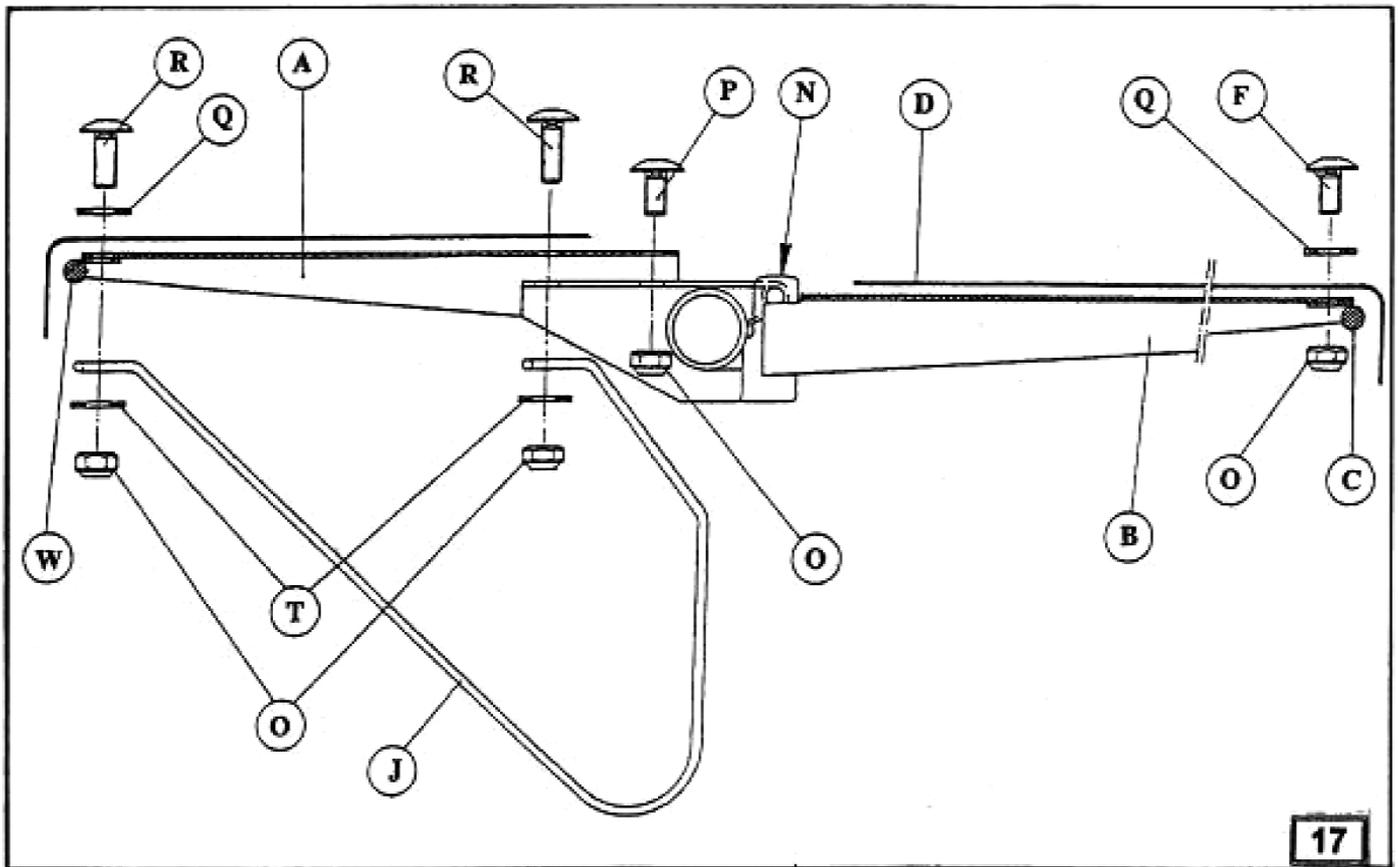
- Fasten the internal protective sheet metal (J) with four screws (H) (M10x20), four flat washers (dimensions 10x21x2) and four self-locking nuts (M10), as shown in figure 15.

3.3 Assembling the swath-former

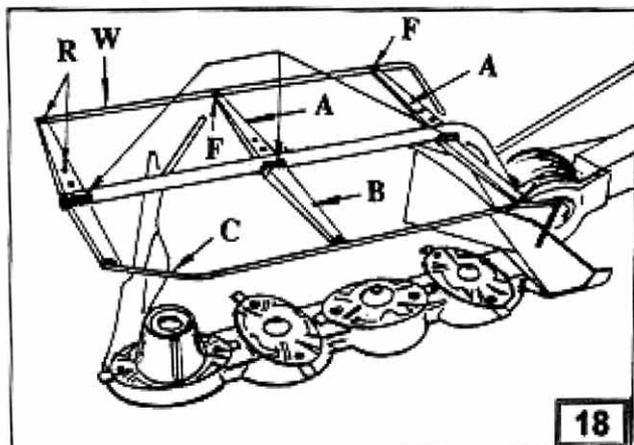


- The swath-former is fitted by fastening the swath-former carrier onto the spot (O) using a screw (M12x80), coil spring, special washer, and self-locking nut (figure 16). Pay attention that the nut fits in such a way that the swath-former remains mobile. Fasten the wooden lever (R) to the sheet metal (U) using the connective panel (Y), screw (W)(M8x50), and two self-locking nuts (M8)(figure 16).

3.4 Assembling the protective frame

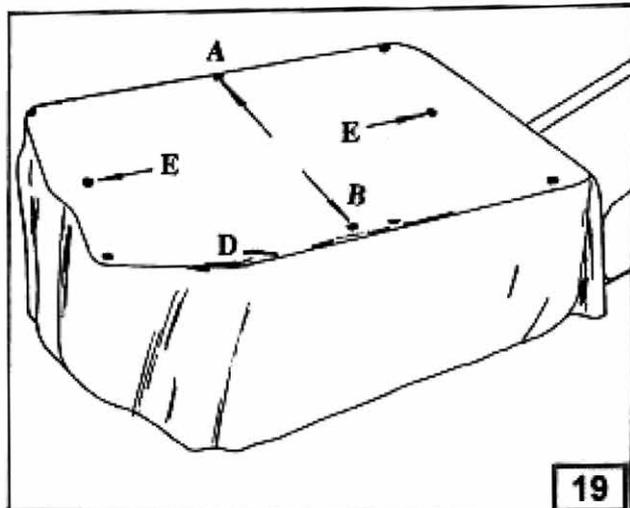


- Fasten the front half of the protective frame (C) with screws (F) (M10x25) to the appropriate holders (B), using plastic washers (Q) ($\phi 10$) and nuts (O) (M10) (figure 17).



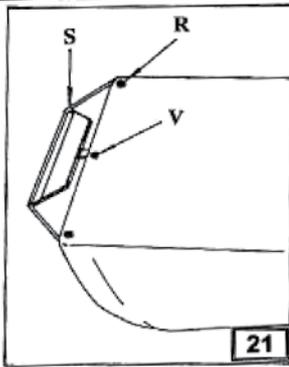
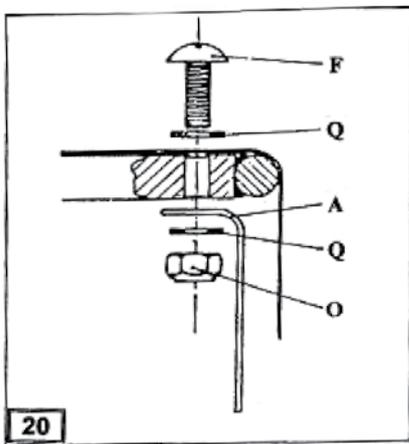
- Fasten the folded front half of the protective frame to openings (N) using bolts (M10x75) and secure it with self-locking nuts (M10). Tighten the nuts in such a way that the protective frame can rotate freely (see figure 17 and 18).

- Then fasten the rear half of the protective frame (W) with screws (F) (M10x25) to the appropriate holders (A), using plastic washers (Q) ($\phi 10$) and nuts (O) (M10) (figure 18).



- Tie the protective awning (D) (figure 19) to the frame using belts at places marked with E.

Place the belt with a loop on the inside in the rear part at point A, and the belt with holes in the front movable part at the bottom on the inside at point B (figure 19).

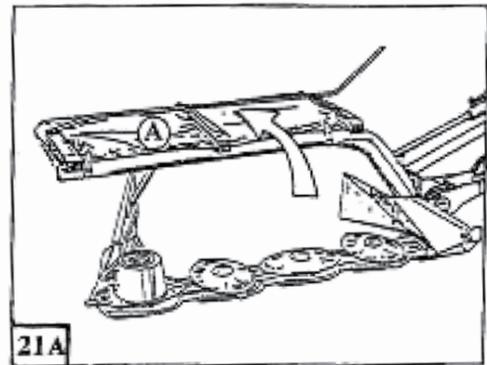


- Make sure to properly tie the awning to the frame while assembling! The awning (D) is tied to a plastic washer (Q), over which a nut (O) and screw (F) is tied (figure 20). This image shows how to place the belt with holes (A) and the belt with a loop (B).

- Mount the carrier (J) at the end of the protective frame, fasten it with two screws (R) (M10x30), two washers (T) (ø 10) and two self-locking nuts (O) (M10) (figure 17).

- Fasten the additional carrier (S) with a screw (V) (M10x50), and a screw (R) (M10x45) to the protective frame (see figure 21 and 17).

- Figure 21A shows how to roll the awning into the transport position. After rolling the awning, fasten its front and rear part using belts (A and B) as shown in figure 19, and the mower is ready for transport.



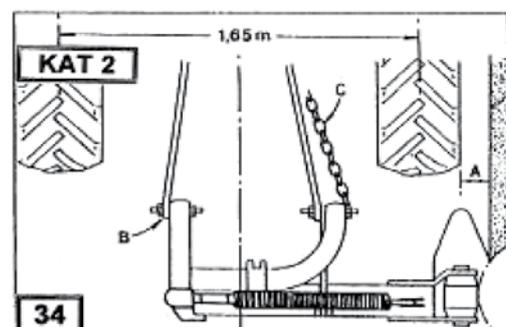
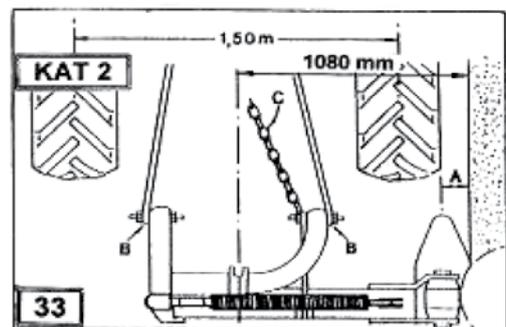
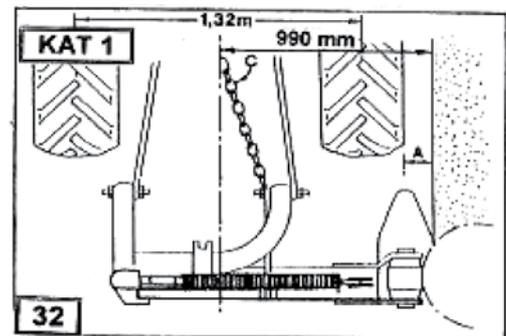
DANGER! WHEN WORKING WITH THE MOWER, THE PROTECTIVE CANVAS MUST ALWAYS BE PLACED ONTO THE FRAME AND LOWERED INTO THE WORKING POSITION.

4. FITTING THE MOWER

4.1 Fitting onto a tractor

- For the mower to function properly and optimally, the edge of the cutter bar must be at least 5 cm away from the external edge of the wheel track. Figures 32, 33, and 34 show examples of fitting the mower onto three different types of tractors – for tractors that have a wheel gap of 1.32m, connect the tractor levers as shown (figure 32). For a wheel gap of 1.5 m attach the tractor levers according to figure 33. For tractors with a wheel gap of 1.65 m place the tractor levers as shown in figure 34.

NOTE: ADJUST THE MOWER SO THAT THE GAP A IS AROUND 5 CM. CHECK THAT THE TENSION CHAIN (C) ALLOWS THE CUTTER BAR TO TAKE THE APPROPRIATE POSITION FOR OPERATION.



Fitting is achieved in the following way:

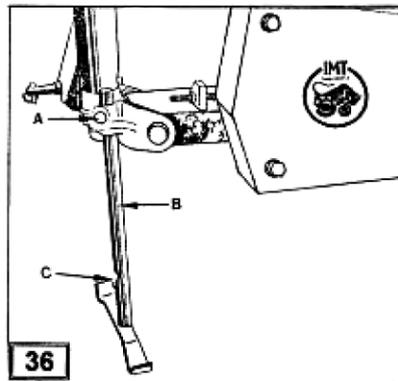
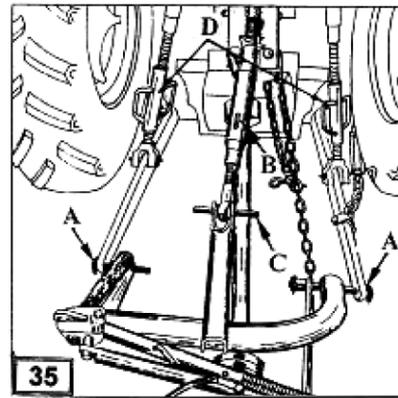
1 – Move the tractor backwards, using hydraulics bring down the lower tractor levers to the height of the mower linkage point axis and carry out the fitting and locking of levers as shown under A in figure 35.

2 – Upper tractor lever – connect the coupling (B) with the axle (C) to the connector on the upper part of the carrier frame, depending on the category of tractor turn the thinner or thicker part of the axle and secure it with existing tighteners.

3 – Connect the hydraulic tube connector to the appropriate hydraulic connector on the tractor (one way)

4 – Following that action, using hydraulics raise the mower off the ground to the required height for transport.

5 – For safe transport of the mower, pull out the tightener (A) (figure 36) and lock the parking switch (B) into the groove (C) and the mower is ready for transport.

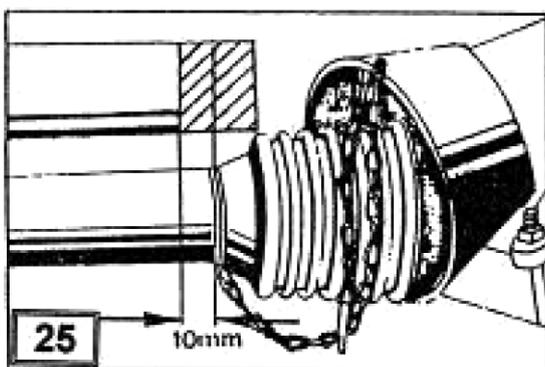


4.2 Cardan joint

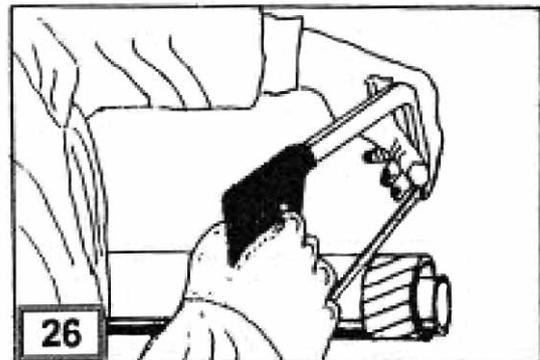
It is very important for the Cardan joint to be properly set while connecting it to a tractor. Cardan cranks must never be allowed to get stuck together when the machine is raised into the highest or lowered into the lowest position. The Cardan joint has a safety link. Make sure to place the safety link towards the mower, so that the cutter can be turned on.

If you determine that the Cardan joint is too long and cannot be connected to the tractor, it is necessary to shorten it. The following images illustrate the procedure for shortening the Cardan joint.

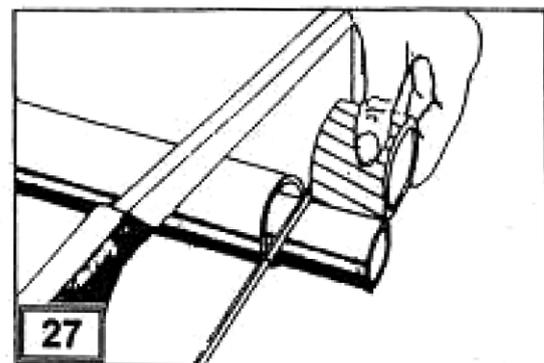
1 – Join first one, then the other half of the Cardan joint onto the tractor and the machine, keep one half next to the other, and by various adjustments of the tractor and the machine, adjust the length of 10 mm and label it on the protector, (figure 25).



2 – Cut off the protective plastic, see figure 26.

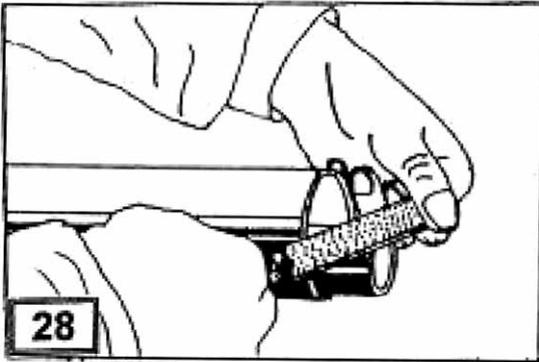


3 – Cut off the profile tube, see figure 27. Further modifications to the plastic and tube are not permitted.

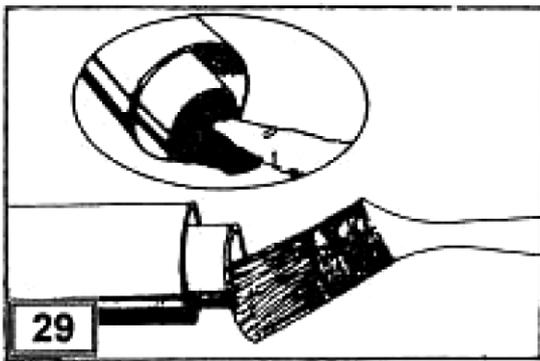


CAUTION! THE FOLLOWING ACTIONS AND INSTRUCTIONS MUST BE RESPECTED IN ORDER TO AVOID DAMAGE TO THE MACHINE AND CARDAN JOINT OR PREMATURE WEARING OF THE CARDAN JOINT. NEVER ATTACH THE CARDAN JOINT TO THE TRACTOR OUTPUT SHAFT WITH 750 OR 1000 RPM.

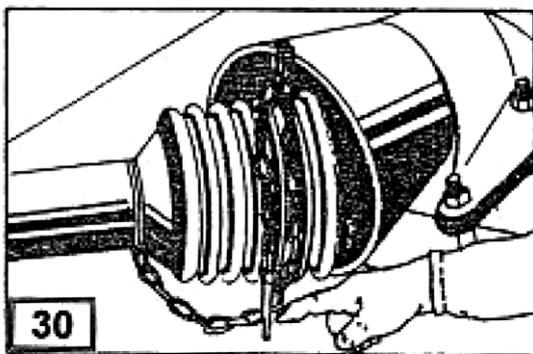
4 – Lower the sharp outer edges (figure 28).



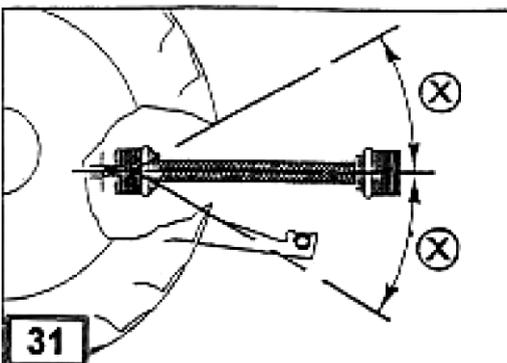
5 – Clean and oil (figure 29). Connect the Cardan joint tubes with one another.



6 – The Cardan joint protection must never be removed, nor moved during operation. Attach the protection carrier chain onto the machine shaft protection (figure 30).



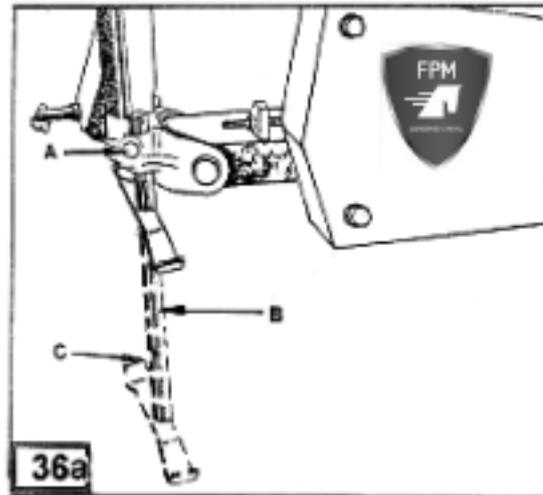
7 – The Cardan joint must never operate under too big an angle (10° at most) (figure 31).



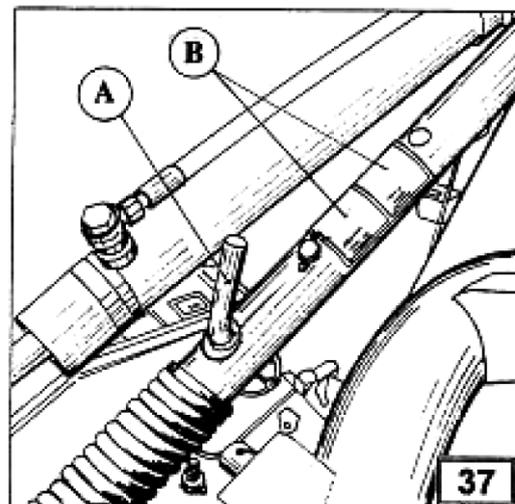
4.3 Transporting the mower

Before transporting the mower on public roads and from one working area to another, do the following:

1. Turn off the tractor output shaft and wait for all moving parts to come to a halt.
2. Raise the mower using hydraulics to the required height for transport, press the peg (A) (figure 36A) and raise the parking switch (B) so that the groove (C) reaches the height of the peg (figure 36A).



3. Move the axle (A) (figure 37), on the floating lever into the bearing for the transport position (see drawing of label B), secure it with a tightener, whereby you prevent the lever from floating.

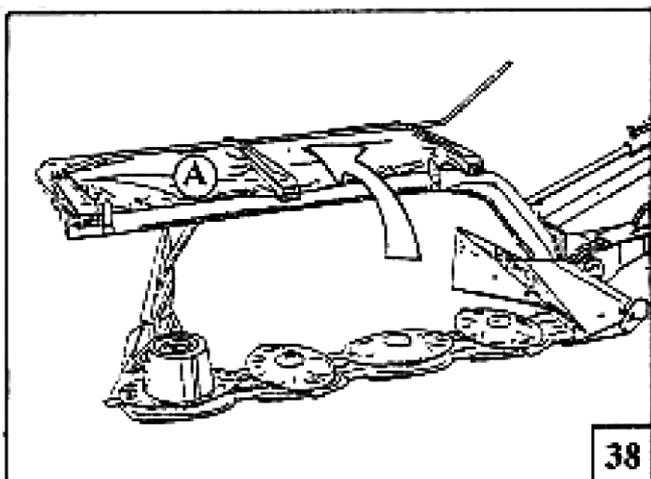


DANGER! IN ORDER TO ENSURE SAFE FUNCTIONING OF THE CARDAN JOINT, PLACE ALL SAFETY PROTECTIONS AT THE APPROPRIATE PLACES AND SECURE THEM APPROPRIATELY. IF THE PROTECTIONS ARE DAMAGED OR WORN-OUT, REPLACE THEM IMMEDIATELY.

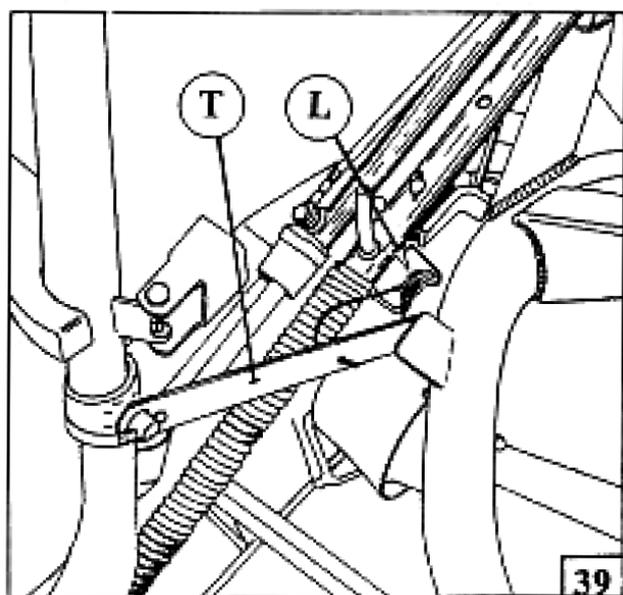
4. Fold the front half of the protective canvas (A) backwards (see the arrow) (figure 38), and tie it with the appropriate belts.



5. Lift the cutter bar using the hydraulic cylinder into the transport – vertical position.



6. Move the lever (T) from the neutral position, i.e. connect it using the carrier frame and secure it using the tightener (L) (figure 39), and the mower is ready for transport.



WARNING! THE FOLLOWING ACTIONS AND INSTRUCTIONS MUST BE RESPECTED IN ORDER TO AVOID DAMAGE TO THE MACHINE AND CARDAN JOINT OR PREMATURE WEARING OF THE CARDAN JOINT. NEVER ATTACH THE CARDAN JOINT TO THE TRACTOR OUTPUT SHAFT WITH 750 OR 1000 RPM.

5. USING THE MOWER

5.1. Before first use

Before starting the mower for the first time, perform the following checks:

No.	Description	All right (✓)
1	Product integrity	
2	Check that the V-belts are tightened	
3	Check that the pulley nuts are tightened	
4	Check that all screws are tightened	
5	Check the position of discs and cutting blades	
6	Check that the cutting discs are tightened	
7	Check the level of oil in the multiplier	
8	Check the level of oil in the cutter bar	
9	Check that all grease fittings are oiled	

5.2 Working with the mower

Once you have lowered the cutter bar from the transport into the working position, turn on the input shaft and let the cutter bar revolve for some time at a low number of revolutions in order for the oil to spread throughout the cutter bar casing.

Before you start mowing, increase the number of shaft revolutions to 540 min⁻¹.

It is very important that the mower operates at a prescribed number of output shaft revolutions, otherwise the results of mowing will be unsatisfactory, and at certain times congestions may occur.

The speed of motion should be adapted to ground conditions.

The mowing itself can be performed continually, i.e. without breaks and raising the mower off the ground while turning, because there is no congestion when the mower reaches a mowed mass, and due to the specific shape of the cutting discs the already mowed mass will not be ground.



WARNING! BEFORE STARTING WITH WORK, REMOVE STONES, FOREIGN OBJECTS, AND HIDDEN OBSTACLES FROM THE WORKING AREA.

Take measures of extreme caution when working on uneven ground. Adjust the mower in such a way that the possibility of the blades hitting foreign objects or the ground is minimal.

1. Tilt the cutter bar at an angle using the handle on the coupling (B) (figure 43) which adjusts the cutting height.
3. Check that the cutting blades rotate when the cutter edge hits an obstacle.
4. Sharpen the blades (using the appropriate tools).

The protective canvas (awning) holds back foreign objects that get deflected off the blades and cutting discs, and protects the user and other persons present.



DANGER! WHEN WORKING WITH THE MOWER, THE PROTECTIVE CANVAS MUST ALWAYS BE PLACED ONTO THE FRAME AND LOWERED INTO THE WORKING POSITION.

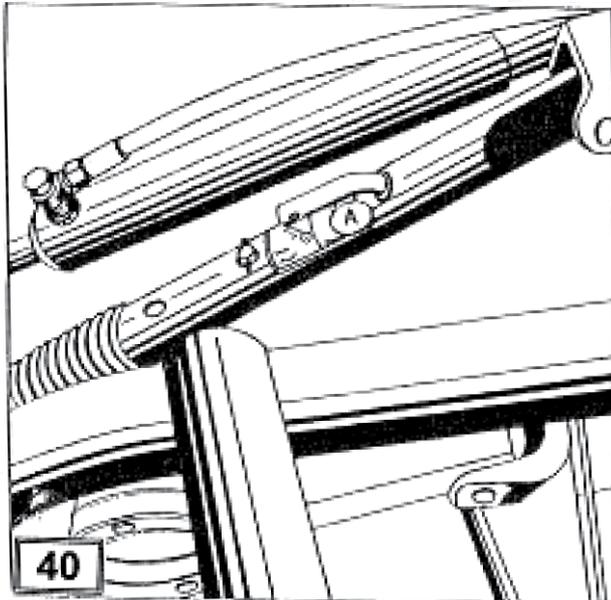


DANGER! BEFORE STARTING WORK, MAKE SURE THAT OTHER PERSONS OR ANIMALS AND NOT WITHIN THE MOWER'S WORK AREA.

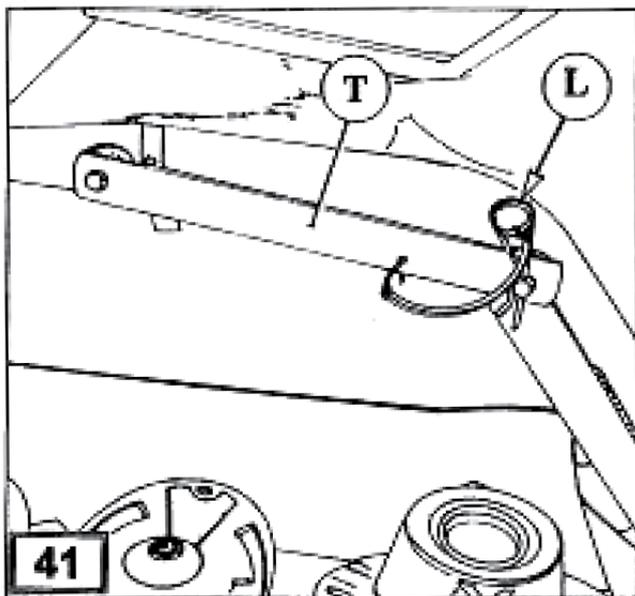
5.2.1 Adjusting the cutter bar

1. Place the axle (A) (figure 40) into the working position. This releases the spring and allows the cutter bar to properly handle the ground.

NOTE: FOR SWITCHING THE AXLE INTO THE WORKING POSITION, THE CUTTER BAR MUST BE RAISED IN THE TRANSPORT POSITION.



2. Remove the transport position level (T) from the mower frame carrier and attach it onto the frame (awning carrier) and fasten it with the existing elastic tightener (L) (figure 41).

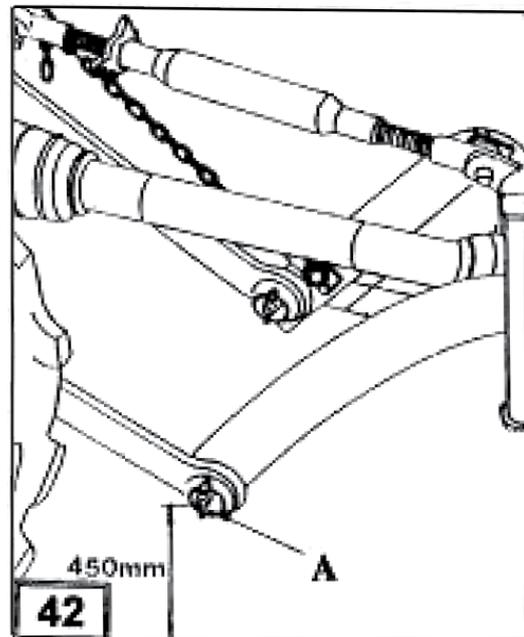


3. Using the hydraulic cylinder, lower the cutter bar into the working position.



WARNING! BE VERY CAREFUL WHEN LOWERING THE CUTTER BAR! THERE MUST NOT BE ANYONE IN THE WAY WHILE LOWERING THE MOWER'S CUTTER BAR.

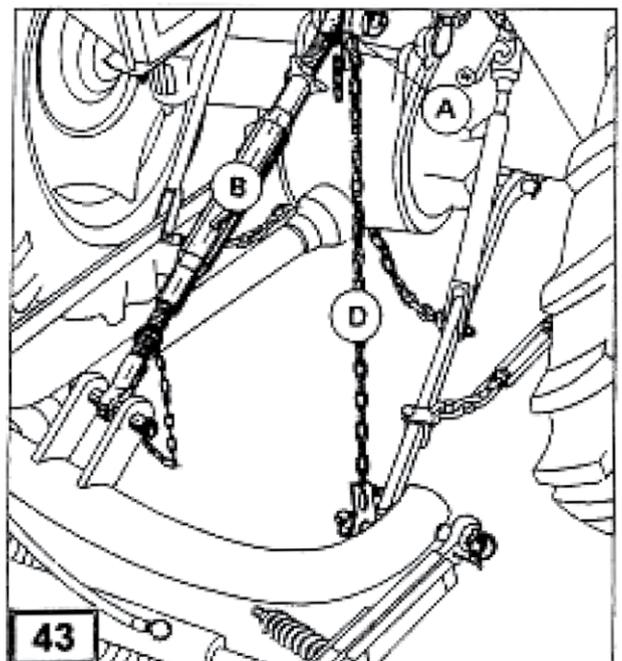
4. Adjust the mower using tractor levers so that the linkage point centres (A) are at the height of 450 mm (figure 42).



5. Insert the chain (D) into the opening on the tension hook (A) on the tractor as shown in figure 43. Completely lower the tractor levers, which adjusts the height.

The adjusting is good if:

- The cutter bar is leaning on the ground
- The chain is bound and tightened
- The distance between the linkage points and the ground is around 400 mm.



Managing the hydraulic cylinder is of great importance for the proper functioning of the mower.

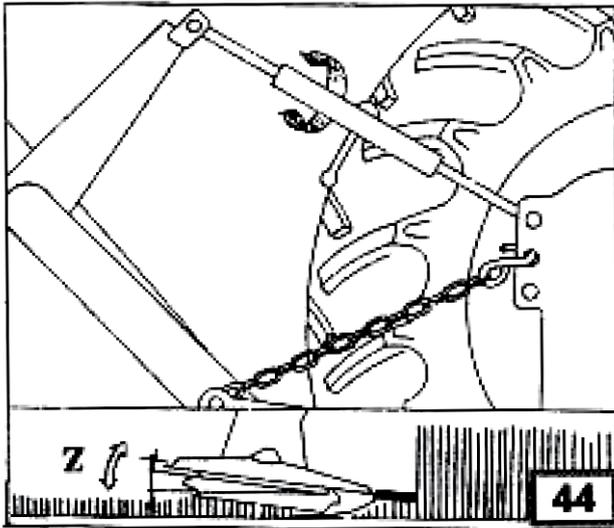
The managing is carried out during work, which will facilitate your work and increase working output.

5.2.2 Adjusting the cutting height

The cutting height is adjusted by rotating the entire cutter bar around the longitudinal axis. This is achieved by shortening or lengthening the coupling length (B) (figures 43 and 44). This adjustment should be carried out very carefully in order to achieve a proper cut while mowing (figure 44).



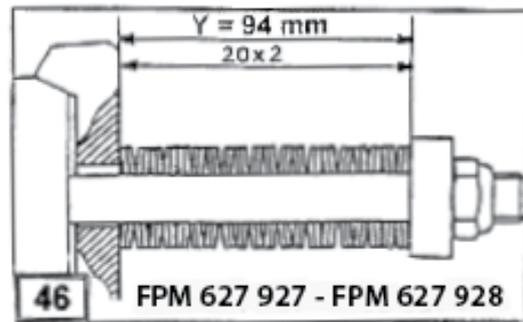
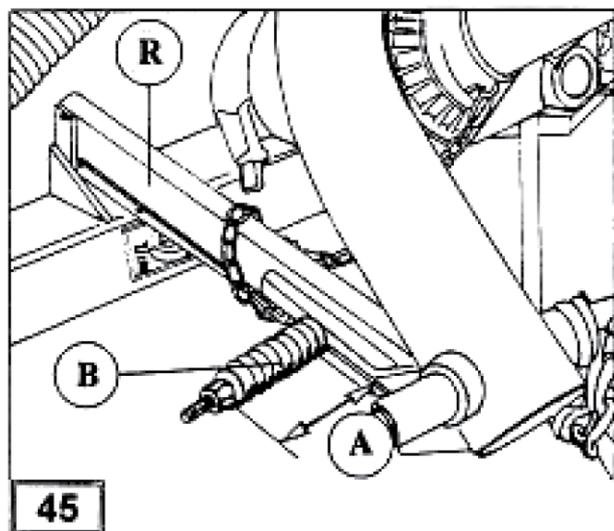
CAUTION! IT IS VERY IMPORTANT TO ADJUST THE CUTTER BAR WHILE ADJUSTING THE CUTTING HEIGHT SO THAT THE BLADES DO NOT HIT THE GROUND DURING OPERATION. OTHERWISE, THE BLADES WILL QUICKLY GET DAMAGED, AS WILL THE ROOTS OF PLANTS. PAY SPECIAL ATTENTION IF YOU ARE WORKING ON UNEVEN GROUND.



5.2.3 Safety device

The safety device is by default properly set for working under normal working conditions, and is activated only when the cutter bar encounters hidden (hard) obstacles in the ground. For mowers with four discs, the spring (B) is set to the measurement (A) which equals 102 mm (figure 45).

For mowers with five, six, seven, or eight discs, the safety system is configured using plate springs to the length of 94 mm, shown as Y in figure 46.



If there is a need to exceptionally modify the safety device for the user in order to adapt it to local conditions, the main principle is that the safety device spring must be adjusted in such a way as not to be activated under normal working conditions.



CAUTION! NEVER TIGHTEN THE SPRING TOO MUCH IN ORDER FOR THE SAFETY DEVICE TO WORK PROPERLY.

NOTE: CHECK THAT THE SAFETY DEVICE CASING IS OILED. IF NOT, OIL ALL SLIDING PARTS WITH TECHNICAL OIL.

If the cutter bar hits a hidden obstacle while in operation, the safety device (R) is activated which detaches the cutter bar (figure 45).

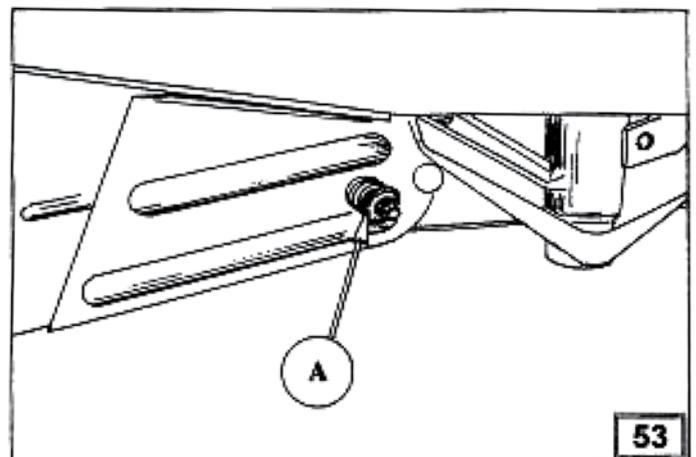


CAUTION! WHEN THE SAFETY DEVICE ACTIVATES, IMMEDIATELY STOP THE TRACTOR AND TURN OFF THE OUTPUT SHAFT.

Then take the tractor a little in reverse and lift the mower using the tractor levers. Swing the cutter bar towards the tractor, which will restore the safety system to the original, working position.

5.2 Swath-former

For proper setting of swath shape and mowed mass flow, it is necessary to loosen or tighten the coil spring (A) (figure 53). In case of more difficult working conditions, the swath-former angle must be greater in relation to the cutter bar (as close to 90° as possible).



6. ADJUSTMENTS AND MAINTNANCE



DANGER! BEFORE MAKING ANY ADJUSTMENTS, REPAIRS, OR MAINTENANCE OF THE MOWER, SWITCH OFF THE CARDAN JOINT POWER, TURN OFF THE TRACTOR, TAKE OUT THE KEY, AND WAIT FOR THE REVOLVING PARTS TO COME TO A HALT.



WARNING! BEFORE DOING MAINTENANCE AND REPAIRS TO THE MOWER REMOVE ALL FOREIGN OBJECTS AND PARTS SINCE THEY CAN BE THROWN AT NEARBY PERSONS.

6.1 Discs and cutting blades

The discs, cutting blades, and blade carriers are of a very quality build. The blades and blade carriers are made of a special steel alloy, which is hardy and resistant to wearing, and therefore gives them a long working life.

NOTE: ONLY USE ORIGINAL PARTS AND THOSE RECOMMENDED BY FPM AGROMEHANIKA.

After long use, the blades' cutting edges start to get blunt, so that the cutting quality will no longer be satisfactory. The blunted edges of the cutting blades require increased power, while the stocks of the mowed plants are uneven and rugged.

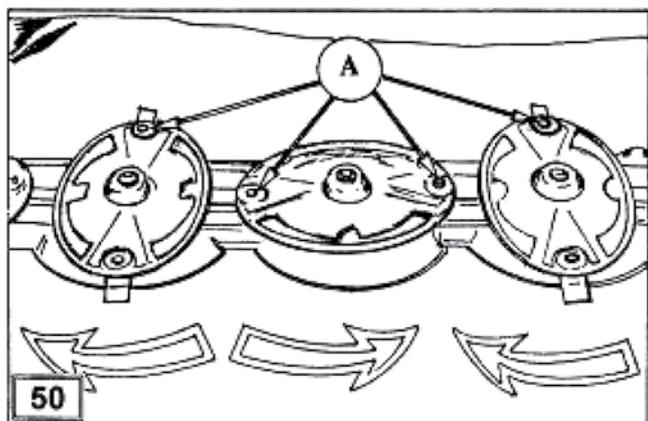
Before replacing the blades, clean the earth and dirt off the blade carrier and nut, as shown under A in figure 50. Unscrew the nut and remove the blade carrier from its bearing.

Two cutting blades are mounted onto each cutting disc, which revolves clockwise, while the neighbouring disc revolves counter-clockwise.

When you have ascertained that the cutting blade edges have been blunted, replace the blades on the neighbouring discs together, since the blades have two edges.

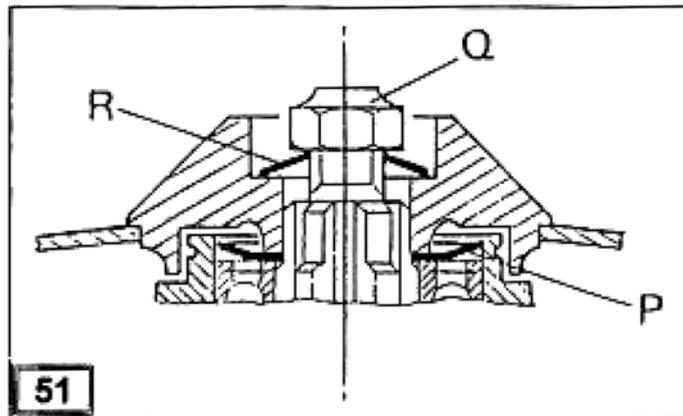
It is possible to sharpen the cutting blade edges as long as the tempered edge (thermally reinforced) remains, however it is necessary to preserve the cutting edge angle. If the damage is great, the blade must be replaced with a new one.

All discs should be adjusted in such a way that the blade axes take a right angle (see figure 50).



For tightening the screw (A) (figure 50) which holds the cutting blades, use a torque of 7.5 daNm.

For tightening the cutting discs, it is necessary to tighten the screw (Q) (figure 51) with a torque of 18 daNm.



When mounting the cutting discs under the nut (Q), use a spring washer (R) for properly fastening the discs. It is always necessary to install a protective washer (P) beneath the bearing, which prevents dust and dirt from entering the cutting disc casing (figure 51).

6.1.1 Controlling the blades and cutting discs

A) BLADES: They should be checked minutely before starting with mowing. Quality cutting and good, safe work depend on well-sharpened blades.

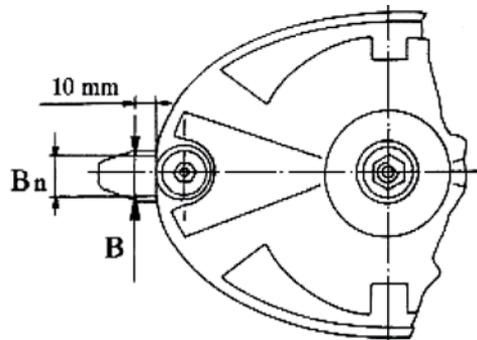
1. DAMAGED BLADES

Very rough, rugged, and damaged blade edges lead to:

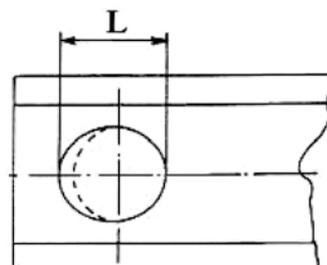
- increased risk of accident;
- lower quality cutting;
- risk of damage to the cutter bar.

2. WORN-OUT BLADES

The width (B) of a worn-out blade, measured from the distance of 10 mm from the cutting disc edge must not be less than 3/4 of the normal blade width.



The length of the oval opening (L) on the cutting blade must not exceed 18 mm.



B) CUTTING DISCS): They should be checked regularly! (Especially check the screw tightening torque.) The tightening torque equals 7.5 daNm.

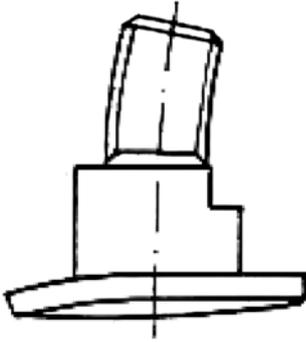
- Perform a check immediately after hitting a hidden obstacle.
- Perform a check when replacing the blades.

Always mount two blades of the same type onto a cutting disc, in order to avoid unbalancing the disc.

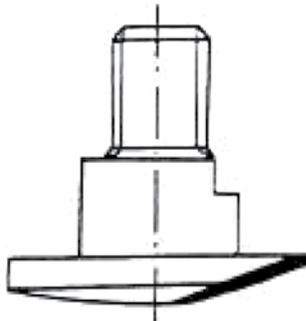
Perform a check prior to every mowing season.

1. You must replace the blade carrier in the following cases:

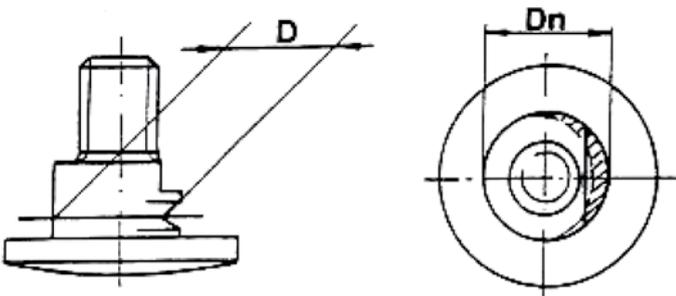
- When there are visible deformities.



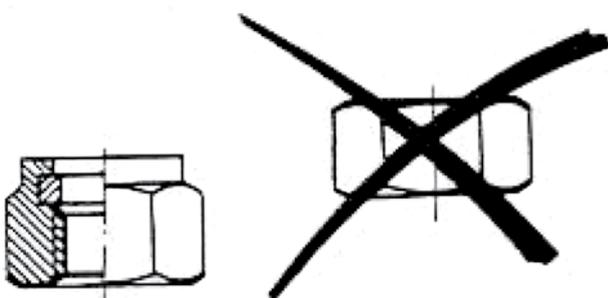
- When the head gets worn at the blade contact area.



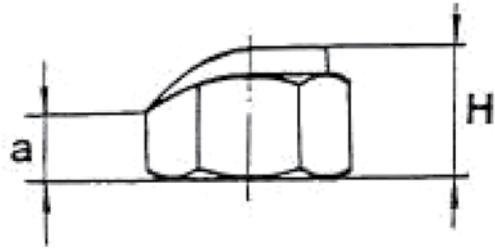
- When the nominal circumference of the blade carrier $D_n = 16$ mm reaches a maximum value on the worn blade carrier of $D = 13$ mm.



2. You must replace the nut in the following cases:



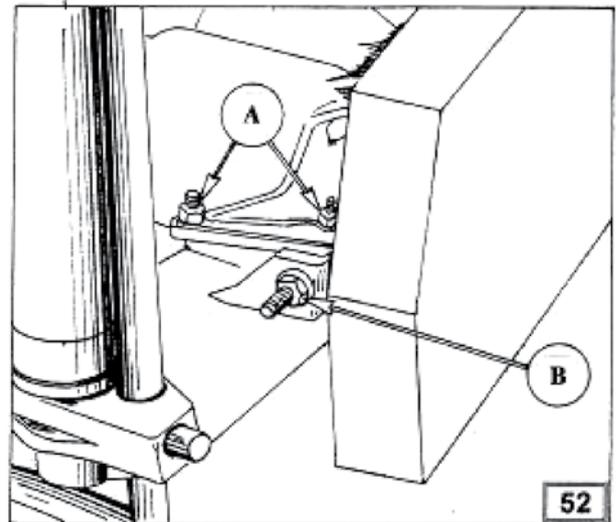
- When the contact protective mass in the nut loses elasticity, which is characterised by frequent loosening.
- When the wearing of the nut reaches a value of $a = H/2$.



6.2 V-belts

The V-belts must be properly tightened in order to prevent excessive slipping. Insufficiently tightened belts cause the cutter bar to operate badly and to damage and tear prematurely.

In order to tighten the belt, loosen the nuts (A) (figure 52). Tighten the nut (B) until the force of 9 daN is achieved, i.e. the deflection of 10 mm between the belts. While doing that, make sure that the casing fits the frame properly. Finally, tighten the nuts (A).



NOTE: CHECK THAT THE BELTS ARE STILL TIGHT AFTER THE FIRST 1/2 HOUR OF USE. WHEN REPLACING THE WORN-OUT BELTS, REPLACE THE ENTIRE SET OF BELTS, REGARDLESS OF THE CONDITION OF ONE BELT COMPARED TO OTHERS

6.3. Oiling

It very important to properly oil the transmission components in order to fulfil the strict requirement for working even in the most difficult conditions. It is best to release the oil immediately after finishing with work, since the oil is still warm then, and the residue has still not settled.

NOTE: THE LISTED TIMES FOR OILING ONLY REFER TO NORMAL WORKING CONDITIONS. IF YOU ARE WORKING IN MORE DIFFICULT CONDITIONS, MORE FREQUENT OILING IS NEEDED.



CAUTION! USE OIL OF THE REQUIRED QUALITY IN ORDER TO AVOID DAMAGE TO THE MACHINE. BY PROPER AND REGULAR OILING YOU WILL ENSURE UNIMPEDED AND SAFE OPERATION.



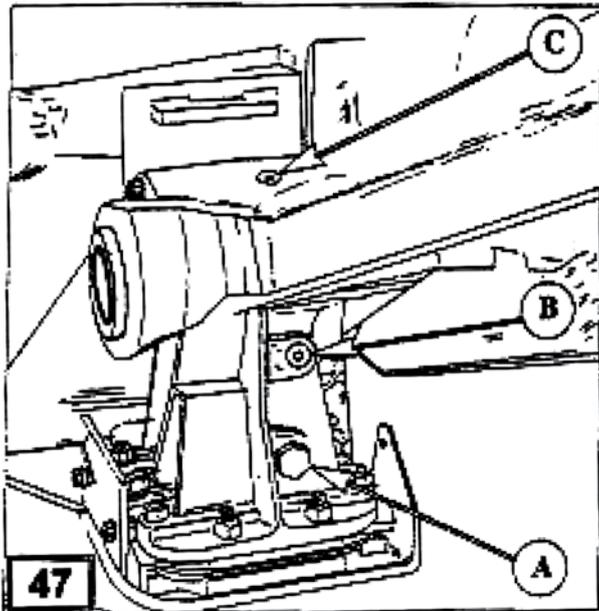
CAUTION! THE OIL IN THE TORQUE MULTIPLIER AND CUTTER BAR MUST NECESSARILY BE CHANGED AFTER THE FIRST 8 HOURS OF OPERATION. ONLY USE SAE 80 W EP OIL.

6.3.1 Torque multiplier

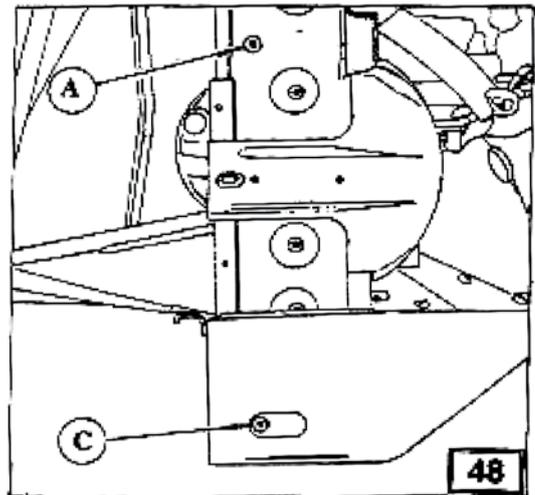
The air-releasing vent (A) (figure 47) at the side of the torque multiplier must be disassembled and cleaned after the first 8 hours of operation.

To insert oil into the multiplier, unscrew the oil cap (B) (figure 47). Check the level of oil every day and, if needed, add fresh SAE 80 W EP oil.

You should respect the maximum limit for oil and check it regularly. The screw (C) (figure 47) allows controlling the level of oil when the cutter bar is in the horizontal position. The level of oil is correct if the oil can reach the control opening (B). If the cutter bar is in the vertical position, the screw (C) serves to release the oil. Release the oil into an appropriate container. Perform the first oil change after 8 hours of operation, and subsequently every 200 hours of operation, or after every season of use.



CAUTION! DURING OPERATION, CHECK THAT THERE IS NO OVERHEATING OF THE MULTIPLIER CASING OR THAT OF THE CUTTER BAR. THE NORMAL WORKING TEMPERATURE IS AROUND 90°C.



NOTE: WHEN WORKING ON SLOPING GROUND, WHERE THE CUTTER BAR TAKES A +/- 20° ANGLE TO THE HORIZONTAL, DECREASE OIL QUANTITY BY UP TO 25%. ALSO, KEEP THE CUTTER BAR IN THE HORIZONTAL POSITION FOR SEVERAL MINUTES EVERY 1/2 HOUR.

6.3.3. Oiling the grease fittings and sliding surfaces

Regularly oil the places equipped with grease fittings and other sliding surfaces.

It is best to carry out oiling after every eight hours of operation. Before oiling, wipe earth and dust off the surfaces. Oil the revolving and joining parts every fifty hours. Also oil all parts that move over one another (telescope) when needed.

6.3.2 The cutter bar casing

To pour oil into the cutter bar casing, unscrew the screw (A) (figure 48).

NOTE: TO POUR THE OIL, THE CUTTER BAR MUST BE PLACED INTO THE VERTICAL TRANSPORT POSITION.

To release the oil from the cutter bar, you should unscrew the cap (C) (figure 48) underneath the multiplier.

Release the oil at the machine's working temperature and into an appropriate container. The magnetic cap should be cleaned before installation.

Perform the first oil change after 8 hours of operation, and subsequently every 200 hours of

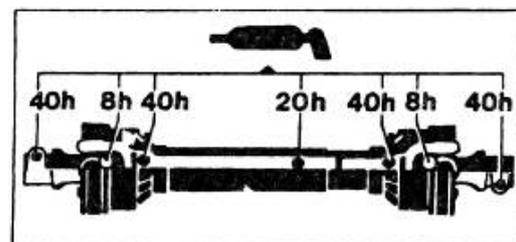
6.3.4 Oiling the Cardan joint

You will extend the Cardan joint lifetime with regular oiling, according to the schedule listed below. Oil the Cardan joint at the places indicated with quality oil.

1. Front knuckle grease fitting – every 8 hours
2. Revolving part of the lining at the front of the Cardan – every 40 hours
3. Internal telescopic part of the pipe – every 20 hours
4. Revolving part of the lining at the back of the Cardan – every 40 hours
5. Back knuckle grease fitting – every 8 hours
6. Locking pin at the front and back parts – every 40 hours
7. Clean all parts of the Cardan when it has not been in use for a long time.

QUANTITY OF OIL IN THE CUTTER BAR

MODEL	Litres
FPM 627 926	1.98
FPM 627 927	2.70
FPM 627 928	3.06
FPM 627 715	3.50
FPM 627 113	3.78



6.4 Schedule for regular servicing and maintenance

No.	INTERVAL OF SERVICING ADJUSTMENTS	Before each use	AFTER THE FIRST 8 h	AFTER EVERY 20 h	AFTER EVERY 100 h	AFTER EVERY 200 h	STORING
	Type of servicing adjustment						
1	Check for product integrity	CH	CH	CH	CH	CH	CH
2	Check for damage to discs and cutting blades	CH	CH	CH	CH	CH	CH
3	Check that all screws are tightened	CH+T	CH+T	CH+T	CH+T	CH+T	CH+T
4	Check that the pulley nuts are tightened			CH+T	CH+T	CH+T	CH+T
5	Check that the V-belts are tightened	CH+T	CH+T	CH+T	CH+T	CH+T	CH+T
6	The level of oil in the multiplier	CH+P		CH+P	CH+P		
7	The level of oil in the cutter bar casing	CH+P		CH+P	CH+P		
8	Oiling all grease fittings	O	O	O	O	O	O
9	Oiling the Cardan joint		O	O	O	O	O
10	Changing oil in the multiplier		R+C			R+C	R+C
11	Changing oil in the cutter bar casing		R+C			R+C	R+C
12	Cleaning the tools	CL	CL	CL	CL	CL	CL
13	Washing the tools				W	W	W

Key:	A – adjust	O – oil	W – wash	P – pour
	T – tighten	CH – check	CL – clean	R – release (fluid) C – change

7. PARKING AND STORING THE MOWER

7.1 Parking

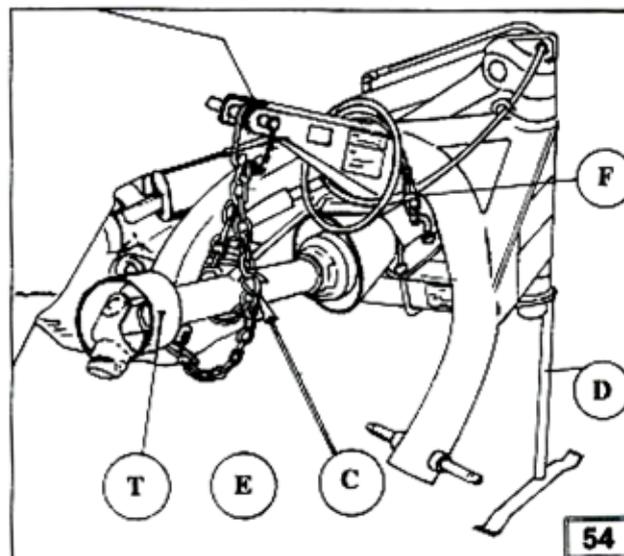
To park the mower, do the following

- Lower the switch from the upper (D) transport position into the leaning position;
- Using the tractor hydraulics lower the mower so that it leans onto the ground;
- Transfer the cutter bar from the transport, vertical position into the horizontal position.



WARNING! USE OIL OF THE REQUIRED QUALITY IN ORDER TO AVOID DAMAGE TO THE MACHINE. BY PROPER AND REGULAR OILING YOU WILL ENSURE UNIMPEDED AND SAFE OPERATION.

- Lift the front part of the protective awning;
- Detach the mower from the tractor levers;
- Detach the machine hydraulic tube connector (F) from the hydraulic plug on the tractor, and wrap the tube around the mower frame.
- Detach the Cardan joint (T) from the tractor output shaft.
- Attach the chain (E) to the Cardan joint and mower frame, and prevent the chain from unwrapping using the hook (C) (see figure 54).



WARNING! ALWAYS PARK THE MOWER WITH THE CUTTER BAR LOWERED INTO THE HORIZONTAL POSITION.

7.2. Storing

If you do not intend to use the mower for an extended period, we recommend you do the following:

- Clean and wash the mower well in order to remove all plant residue and earth;
- Release the oil from the multiplier and cutter bar and fill them with clean oil in the appropriate manner;
- Replace all damaged and broken blades;
- Tighten all screws and nuts on the machine;
- Clean rusted surfaces and worn-out places and coat them with protective dyes;
- Keep the cutter bar in the working position.
- Remove the V-belts and keep them in a dry place;
- Lift the machine onto a wooden platform and place it under an awning or in an enclosed space in order to protect it from the elements.

NOTE: THE LISTED TIMES FOR OILING ONLY REFER TO NORMAL WORKING CONDITIONS. IF YOU ARE WORKING IN MORE DIFFICULT CONDITIONS, MORE FREQUENT OILING IS NEEDED.

8. USEFUL TIPS

No.	PROBLEM	POSSIBLE CAUSE	SOLUTION
1	The cutter bar does not float (fit the ground)	The carrier frame is not properly adjusted	Adjust the carrier frame so that the linkage points reach the height of 400 mm from the ground and are placed parallel
		The sleeves and forks on the cutter bar jam	Oil the sleeves and forks
2	The mower balance slat often gets unlocked	The spring on the safety device is insufficiently tightened	Tighten the spring on the safety device
3	Difficult to set cutter bar angle	The tension chain is set in the higher position	Adjust the tension chain into the appropriate position
4	Plants are cut unevenly	The cutter bar incline is too great	Adjust the incline
		Low number of Cardan joint revolutions	Increase the number of Cardan joint revolutions to 540 rpm
		Tractor speed is too great	Reduce tractor speed
		The blades are blunted and/or broken	Install new blades
		The V-belts are not properly tightened	Adjust V-belts tension
5	Plants are cut too high	The cutter bar angle is not set properly	Change the cutter bar angle
6	Plants are falling forwards, before they can be cut	The wind is making the grass fall	Change the direction of cutting (mowing)
		The wind is making the grass fall	Regulate the number of Cardan joint revolutions, increase speed of motion
7	Blades and discs wear too much	The machine is running under difficult conditions	Choose the appropriate blades and reinforced discs
8	Earth sticks to the front section of the cutter bar	The machine is running on wet ground.	Increase the carrier frame height

9. LIST OF SPARE PARTS

The drawings on the following pages indicate machine parts labelled with numbers.

The accompanying tables contain the number of the part on the drawing, the machine model it refers to, its ID number, its label, name, quantity installed in the machine, and some additional information if needed, such as dimensions, standard, required tightening torque, and similar.

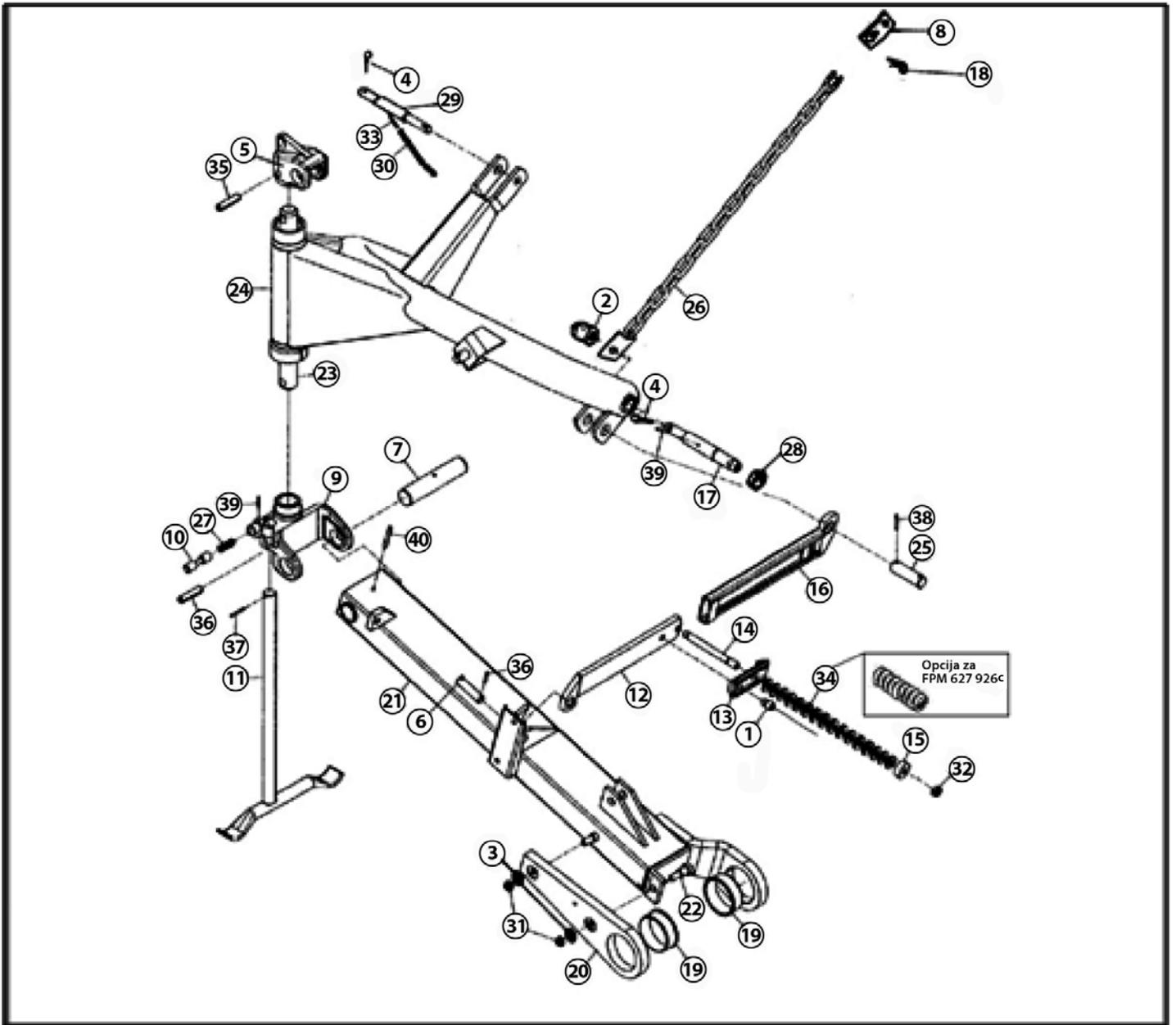
All spare parts can be ordered directly from the manufacturer or from authorised dealers. In order to avoid misunderstandings and mistakes when ordering and delivering spare parts, be sure to state the following:

- the product label (on the ID plaque);
- the product serial number (on the ID plaque);
- the ID number or label of the part, as well as the name of the part (find it in the list of spare parts);
- the quantity of needed parts;
- the correct address and mode of delivery.

NOTE: THIS LIST OF SPARE PARTS IS COMPILED FOR SEVERAL MODELS OF THE SAME PRODUCT TYPE, THEREFORE MAKE SURE TO STATE THE APPROPRIATE DESIGNATIONS WHEN ORDERING PARTS.

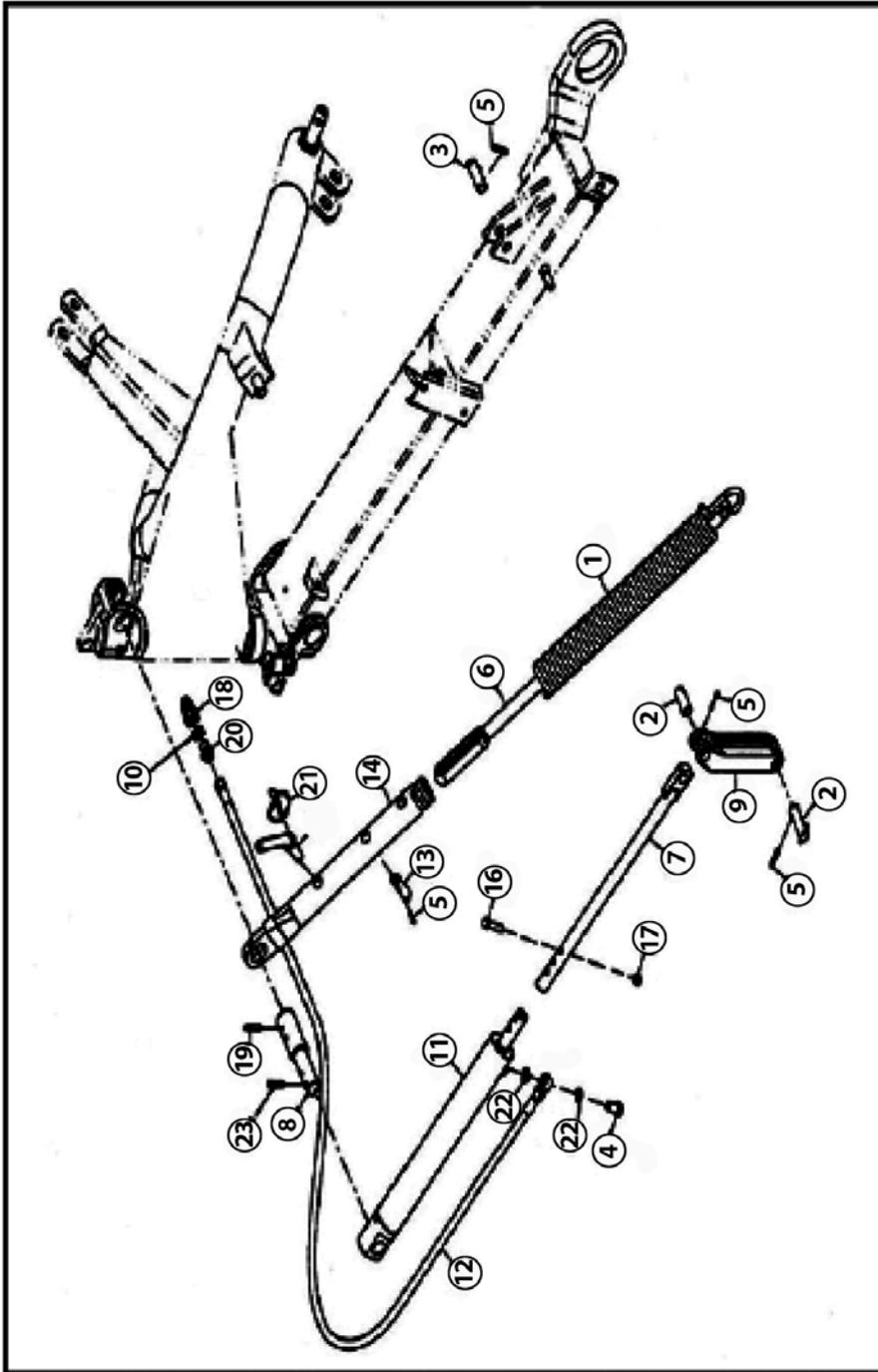
NOTE: USING ORIGINAL SPARE PARTS APPROVED BY FPM AGROMEHANIKA GUARANTEES PROPER FUNCTIONING OF THE MACHINE, AS WELL AS SATISFACTORY PERFORMANCE. USING SPARE PARTS AND EQUIPMENT NOT APPROVED BY FPM AGROMEHANIKA EXCLUDES ANY LIABILITY OF THE MANUFACTURER FOR ANY POSSIBLE DAMAGE.

1. Group: Linkage and carrier frame



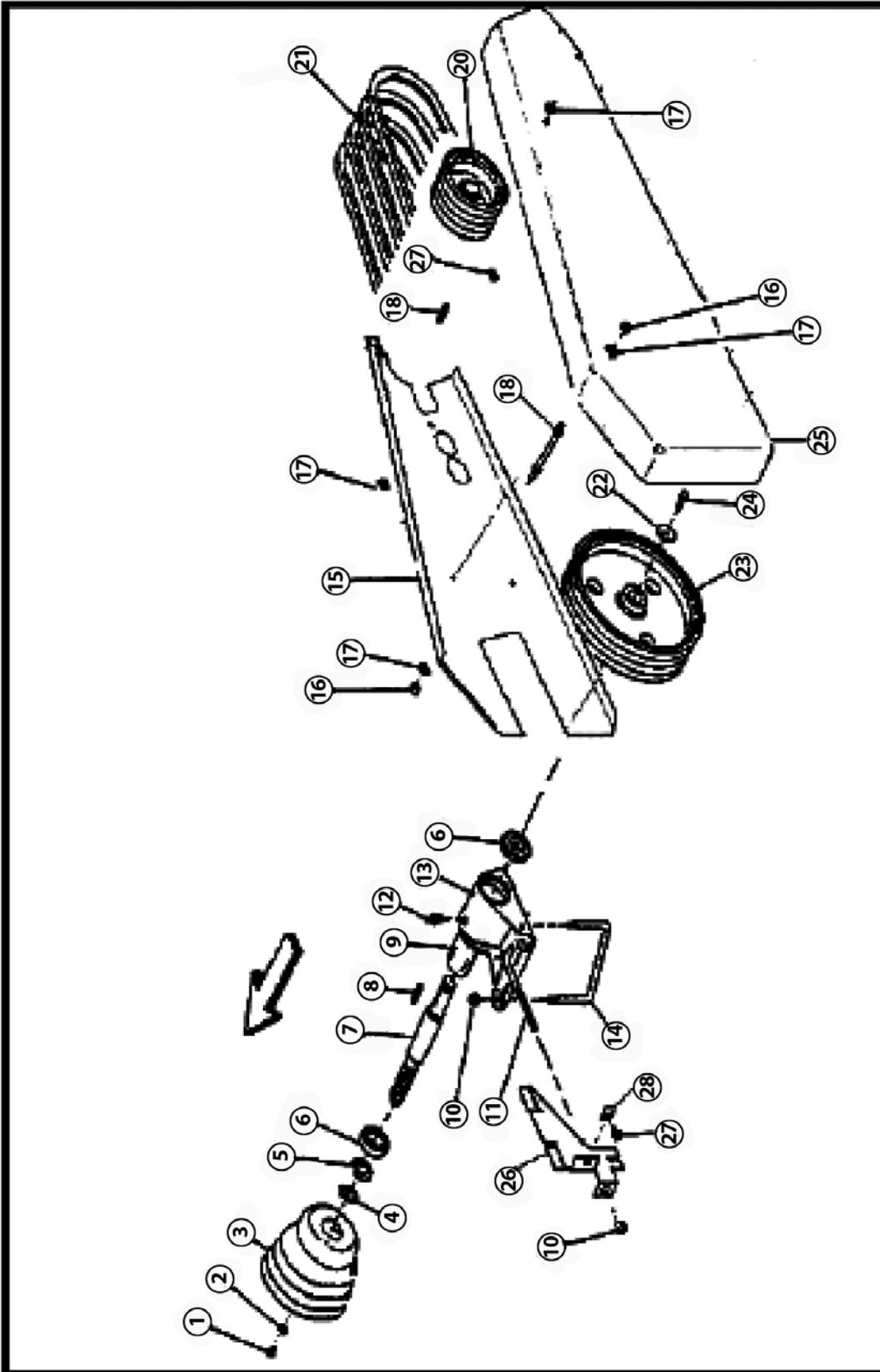
Part number	Model of machine	ID	Part label	Name	Quantity per machine	Note
1	All models	013034	627.13.346		1	
2	All models	004973	627.13.434		1	
3	All models	000067	021.20.001		2	
4	All models	023897	611.20.010		2	
5	All models	004949	627.13.419		1	
6	All models	007948	021.10.004		1	
7	All models	004946	627.13.429		1	
8	All models	006339	627.12.838		1	
9	All models	004944	627.13.420		1	
10	All models	004959	627.13.367		1	
11	All models	004958	627.13.365		1	
12	All models	005009	627.13.340		1	
13	All models	005012	627.13.344		1	
14	All models	005355	627.13.347		1	
15	627 927c/928c/715c/113c	025364	627.14.757		1	
	627 926c	006618	627.12.011.		1	
16	All models	005004	627.13.335		1	
17	All models	025401	627.15.141		2	
18	All models	004977	627.12.857		1	
19	All models	024564	627.14.553		2	
20	627 926c/927c	036435	627.15.734		1	
	627 928c/715c/113c	038561	627.15.281		1	
21	627 926c/927c	042854	627.15.716		1	
	627 928c/715c/113c	051058	627.16.482		1	
22	All models	013035	627.13.416		1	
23	All models	004947	627.13.428		1	
24	All models	025389	627.15.100		1	< +17+39 >
25	All models	025400	627.15.139		1	
26	All models	004957	627.13.430		1	
27	All models	010869	020.50.001		1	
28	All models	005724	627.10.108		2	
29	All models	000374	627.10.683		1	
30	All models	000368	627.10.472		1	
31	All models	005329	020.06.011		2	13,5 daNm
32	All models	005350	020.06.011		1	
33	All models	005342	021.13.001		1	
34	627 926c	018588	627.10.618		1	
	627 927c	025363	020.53.001		40	
	627 /928c/715c/113c	025363	020.53.001		41	Ds34
35	All models	005331	021.10.017		2	
36	All models	005250	021.10.017		2	
37	All models	005341	021.10.017		1	
38	All models	018529	021.10.017		2	
39	All models	005345	021.10.017		3	
40	All models	005330	021.10.017		1	

2. Group: Hydraulic lifting system



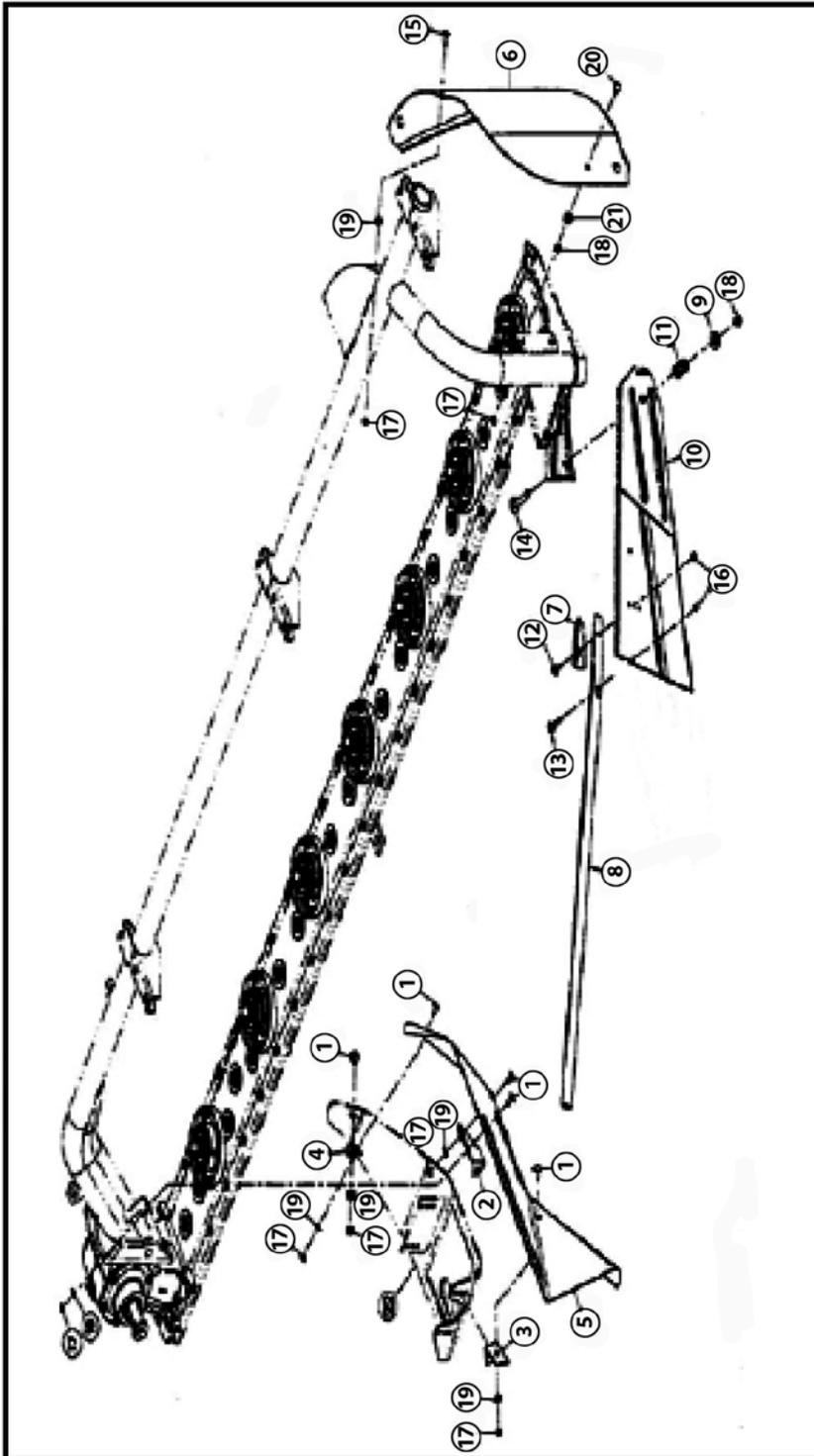
Part number	Model of machine	ID	Part label	Name	Quantity per machine	Note
1	All models	002561	627.13.351		1	
2	All models	004965	627.13.433		2	
3	All models	004972	627.13.413		1	
4	All models	015951	627.13.214		1	
5	All models	005345	021.10.017		8	
6	All models	017327	627.13.353		1	
7	All models	006106	627.12.144		1	
8	627 926c/927c	004971	627.13.421		1	
	627 928c/715c/113c	041575	627.15.589		1	
9	All models	004962	627.13.333		1	
10	All models	005390	023.82.001		1	Ø 22xØ 27
11	627 926c/927c	025330	627.14.744		1	
	627 928c/715c/113c	041577	627.15.588		1	
12	All models	005386	627.13.216		1	
13	All models	004002	627.13.354		1	
14	All models	005014	627.13.350		1	
15	All models	004930	627.13.356		1	
16	All models	007987	020.00.001		1	
17	All models	007988	020.06.011		1	
18	All models	007666	627.13.217		1	
19	All models	005344	021.10.017		2	
20	All models	015952	627.13.215		1	
21	All models	023897	611.20.010		1	
22	All models	005389	023.82.001		2	Ø 14xØ 20
23	627 926c/927c	005250	021.10.017		1	
	627 928c/715c/113c	005345	021.10.017		1	

3. Group: Belt carrier



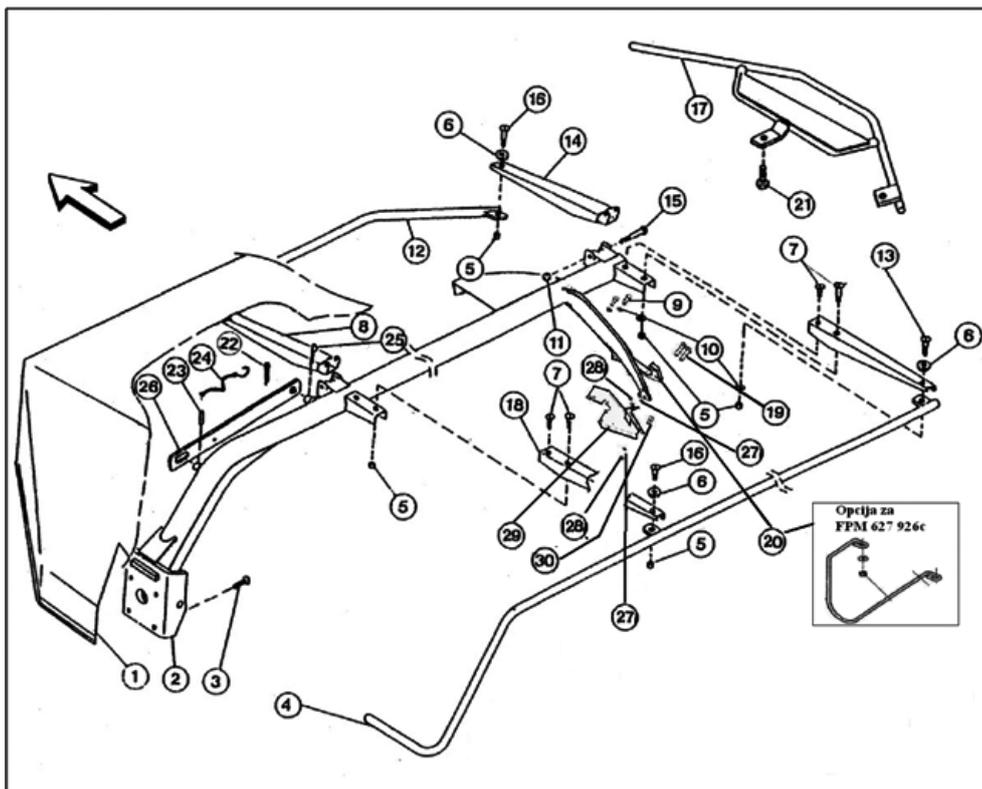
Part number	Model of machine	ID	Part label	Name	Quantity per machine	Note
1	All models	042205	020.00.001		4	
2	All models	000069	021.22.005		4	
3	All models	004954	627.13.437		1	
4	All models	000088	021.23.002		1	
5	All models	004233	021.23.002		1	
6	All models	025588	022.31.001		2	RS1
7	627 926c/927c	005067	627.13.426		1	
	627 928c/715c/113c	021230	627.14.766		1	
8	627 926c/927c	054613	021.14.004		1	10x8x48
	627 928c/715c/113c	025667	021.14.001		1	B10x8x56
9	All models	005066	627.13.424		1	
10	All models	005329	020.06.011		3	
11	627 926c/927c	043152	627.15.769		1	
	627 928c/715c/113c	043169	627.15.772		1	
12	All models	002392	020.16.001		1	
13	All models	005064	627.13.423		1	
14	All models	004952	627.13.432		1	
15	627 926c/927c	042985	627.15.785		1	
	627 928c/715c/113c	043166	627.15.765		1	
16	All models	000060	020.06.010		2	
17	All models	000070	021.22.005		5	
18	All models	042992	627.15.779		3	
19	627 926c/927c	005335	021.14.001		1	A12x8x56
	627 928c/715c/113c	025667	021.14.001		1	B10x8x56
20	627 926c/927c	025324	627.14.429		1	
	627 928c/715c/113c	026547	627.15.042		1	
21	627 926c/927c	028054	038.51.002		3	
	627 928c/715c/113c	013145	038.51.002		4	
22	627 926c/927c	024567	627.14.551		1	
	627 928c/715c/113c	024567	627.14.551		2	
23	627 926c/927c	005799	627.10.534		1	
	627 928c/715c/113c	025326	627.14.432		1	
24	627 926c/927c	004570	020.00.001		1	
	627 928c/715c/113c	004570	020.00.001		2	
25	627 926c/927c	042984	627.15.783		1	
	627 928c/715c/113c	043168	627.15.768		1	
26	All models	042988	627.15.784			
27	All models	010080	020.00.001			
28	All models	043001	627.15.778			

4. Group: Swath-former



Part number	Model of machine	ID	Part label	Name	Quantity per machine	Note
1	All models	024442	020.00.003		5	
2	All models	026555	627.15.054		1	
3	All models	024575	627.14.558		1	
4	All models	024573	627.14.559		1	
5	All models	024571	627.14.435		1	
6	627 928c/715c/113c	025031	627.14.687		1	
7	All models	024934	627.14.661		1	
8	All models	024437	627.14.577		1	
9	All models	024576	627.14.552		1	
10	All models	024402	627.14.440		1	
11	All models	006620	020.50.001		1	
12	All models	012367	020.00.029		1	
13	All models	005501	020.00.029		1	
14	All models	024064	627.14.406		1	
15	627 928c/715c/113c	024441	020.00.003		2	
16	All models	002444	020.06.011		2	
17	All models	000061	020.06.010		2	
18	627 928c/715c/113c	000062	020.06.010		2	
19	All models	000071	021.22.005		2	
20	All models	005606	020.00.001		2	
21	All models	000072	021.22.005		2	
22	627 926c/928c	26544	627.15.050		1	
	627 927c/715c/113c	49591	627.15.050		1	

5. Group: Protective awing

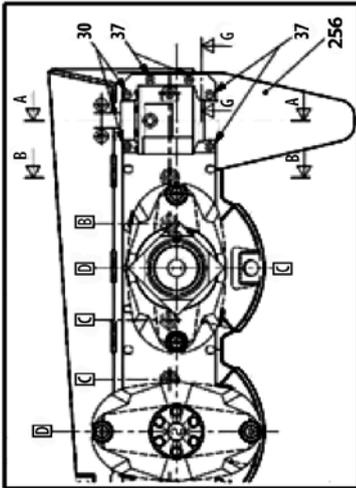


Part number	Model of machine	ID	Part label	Name	Quantity per machine	Note
1	627 926c	026650	627.14.465		1	
	627 927c	026652	627.14.980		1	
	627 928c	026651	627.14.689		1	
	627 715c	038437	627.14.795		1	
	627 113c	049582	627.16.290		1	
2	627 926c	024426	627.14.460		1	
	627 927c	025983	627.14.940		1	
	627 928c	056513	627.16.655		1	
	627 715c	056726	627.16.669		1	
	627 113c	049577	627.16.286		1	
3	All models	024570	627.14.546		4	14 daNm
4	627 926c	24424	627.14.530		1	
	627 927c	026495	627.14.616		1	
	627 928c	025017	627.14.617		1	
	627 715c	038436	627.14.618		1	
	627 113c	049577	627.16.286		1	
5	627 926c	002208	020.06.011		15	
	627 927c	002208	020.06.011		15	
	627 928c	002208	020.06.011		20	
	627 715c	002208	020.06.011		20	
	627 113c	002208	020.06.011		25	
6	All models	005109	627.14.631		8	
7	627 926c	024442	020.00.003		5	
	627 927c	024442	020.00.003		5	
	627 928c	024442	020.00.003		7	
	627 715c	024442	020.00.003		8	

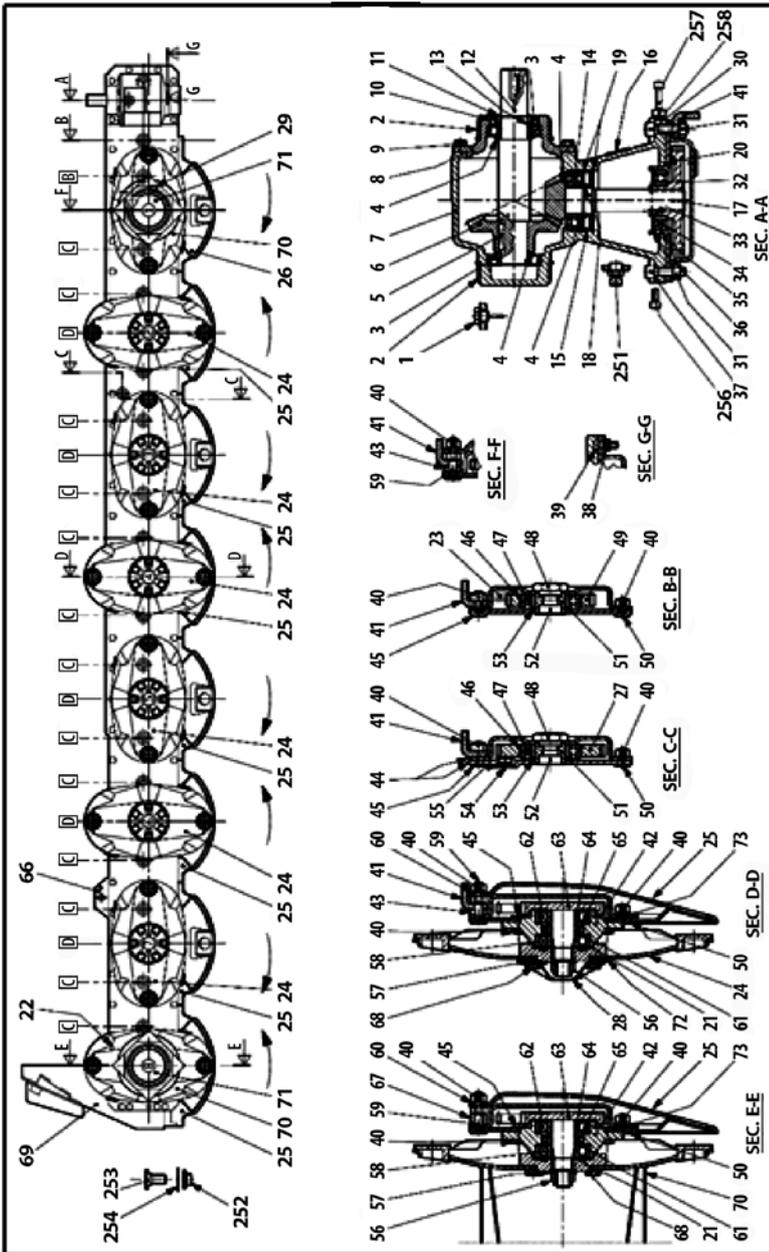
	627 113c	024442	020.00.003		9	
8	627 926c	024700	627.14.630		2	
	627 927c	024700	627.14.630		2	
	627 928c	024700	627.14.630		3	
	627 715c	024700	627.14.630		3	
	627 113c	024700	627.14.630		4	
9	All models	008105	020.00.006		2	
10	All models	000071	021.22.005		2	
11	627 926c	002208	020.06.011		3	
	627 927c	002208	020.06.011		3	
	627 928c	002208	020.06.011		4	
	627 715c	002208	020.06.011		4	
	627 113c	002208	020.06.011		5	
12	627 926c	024422	627.14.535		1	
	627 927c	026497	627.14.610		1	
	627 928c	025015	627.14.620		1	
	627 715c	038435	627.14.615		1	
	627 113c	049576	627.16.285		1	
13	All models	026132	020.00.003		1	
14	All models	024697	627.14.625		1	
15	627 926c	010180	020.00.001		3	
	627 927c	010180	020.00.001		3	
	627 928c	010180	020.00.001		4	
	627 715c	010180	020.00.001		4	
	627 113c	010180	020.00.001		5	
16	627 926c	024441	020.00.003		5	
	627 927c	024441	020.00.003		5	
	627 928c	024441	020.00.003		7	
	627 715c	024441	020.00.003		8	
	627 113c	024441	020.00.003		9	
17	All models	024406	627.14.540		1	DNO
18	627 926c	024438	627.14.545		3	
	627 927c	024438	627.14.545		3	
	627 928c	024438	627.14.545		4	
	627 715c	024438	627.14.545		4	
	627 113c	024438	627.14.545		5	
19	All models	002977	020.00.001		2	
20	627 926c	024436	627.14.566		1	
	627 927c/928c/715c/113c	055459	627.16.599		1	
21	All models	024440	020.00.003		1	DNO
22	All models	005342	021.13.001		1	
23	All models	005344	021.10.017		1	
24	All models	000368	627.10.472		1	
25	All models	017201	575.74.001		1	
26	627 926c/927c	022058	627.14.769		1	
	627 928c/715c/113c	038697	627.15.301		1	
27	All models	000072	021.22.005		3	
28	All models	000062	020.06.010		3	
29	All models	049599	627.14.935		1	
30	All models	051039	627.16.478		1	

Part number	Model of machine	ID	Part label	Name	Quantity per machine	Note
1	All models			Plug 3/8" Gas	1	0.142.7101.00
2	All models			Bush	2	0.142.7103.00
3	All models			Bearing 30207	2	8.0.9.00026
4	All models			35.3x48.0-Shim	4	0.259.7500.00
5	All models			Parallel key B10x8x35	1	8.4.1.01125
6	All models			Crown wheel Z33 M3.75	1	0.142.5001.00
7	All models			Casing	1	0.142.0301.00
8	All models			Cover	1	0.142.1301.00
9	All models			Bolt M10x22 8.8 DCRT	8	8.1.1.01540
10	All models			Double lip seal 45x65x10	1	8.7.1.00769
11	All models			Bush	1	0.142.7100.00
12	All models			Shaft	1	0.142.2001.00
13	All models			O-ring - 39.83x34.59x2.62	1	8.7.6.00954
14	All models			Bearing 6307	1	8.0.1.00644
15	All models			Oil seal 35x80x10	1	8.7.3.00081
16	All models			Plate	1	0.259.7111.00
17	All models			Pinion shaft Z16 M3.75	1	0.142.6000.00
18	All models			Snap ring for shaft D35 UNI7435	1	8.5.1.00005
19	All models			Snap ring for holes D35 UNI7437	2	8.5.2.00030
20	All models			O-ring OR-4375	1	8.7.6.01188
21	628.113c			Flange	8	0.522.7003.00
	627.715c			Flange	7	0.522.7003.00
	627.926c			Flange	4	0.522.7003.00
	627.927c			Flange	5	0.522.7003.00
	627.928c			Bush	6	0.505.7009.00
22	All models			Spring pin 10x12 D1481	2	8.4.5.01205
23	628.113c			Oil shell omala S2G 320	3,78 kg	8.8.6.00435
	627.715c			Oil shell omala S2G 321	3,50 kg	8.8.6.00435
	627.926c			Oil shell omala S2G 322	1,98 kg	8.8.6.00435
	627.927c			Oil shell omala S2G 323	2,70 kg	8.8.6.00435
	627.928c			Oil shell omala S2G 324	3,06 kg	8.8.6.00435
24	628.113c			Reinforced disc	6	2.420.7070.00
	627.715c			Reinforced disc	5	2.420.7070.00
	627.926c			Reinforced disc	2	2.420.7070.00
	627.927c			Reinforced disc	3	2.420.7070.00
	627.928c			Reinforced disc	4	2.420.7070.00
25	628.113c			Sliding shoe 380	7	2.520.1714.00
	627.715c / 928c			Sliding shoe 380	5	2.520.1714.00
	627.926c / 927c			Sliding shoe 380	3	2.520.1714.00
	627.928c			Sliding shoe 380	5	2.520.1714.00
26	628.113c / 627.926c / 928c			Sliding shoe 420	1	2.520.1716.00
	627.715c / 927c			Sliding shoe 420	2	2.520.1716.00
27	628.113c			Gear Z45 M3	14	0.505.6002.00
	627.715c / 928c			Gear Z45 M3	10	0.505.6002.00

6. Group: Cutter bar 2/5

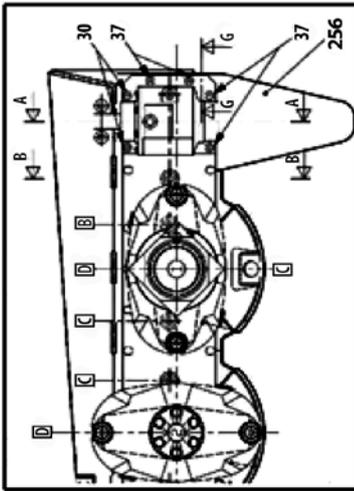


Reinforced option

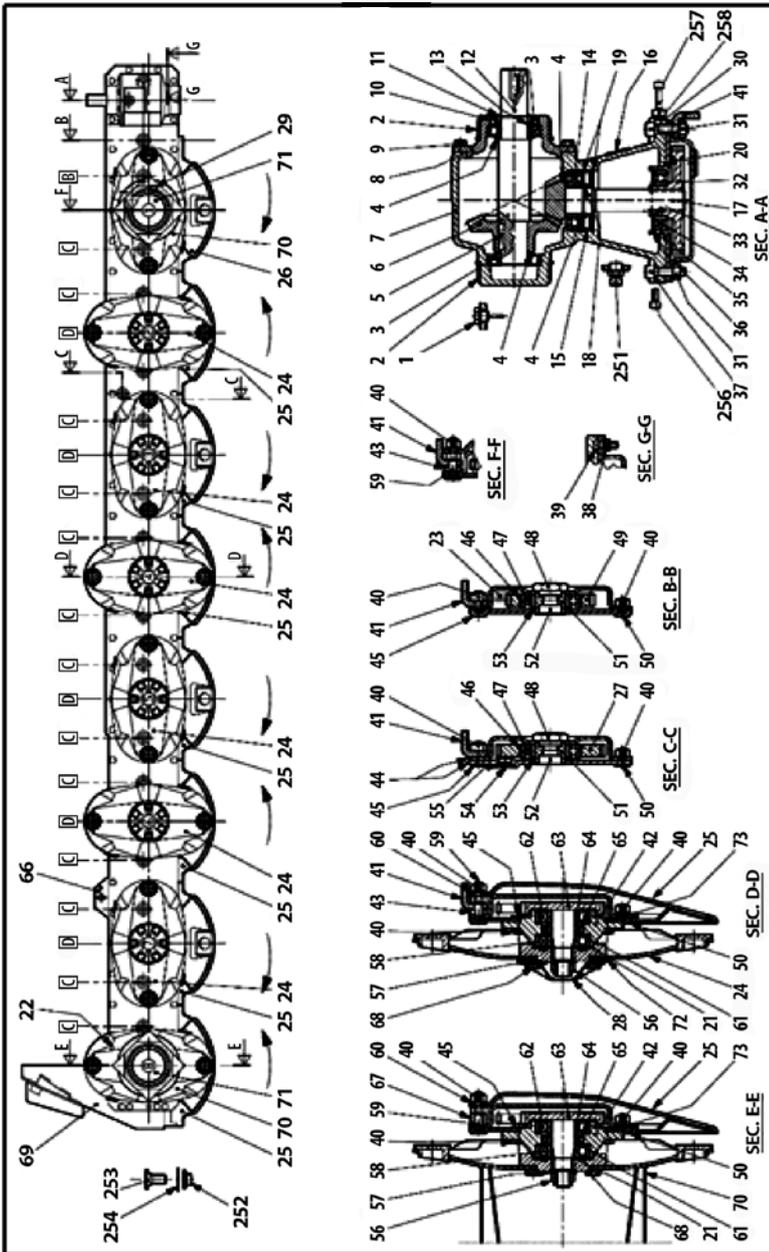


Part number	Model of machine	ID	Part label	Name	Quantity per machine	Note
	627.926c / 927c			Gear Z45 M3	6	0.505.6002.00
28	628.113c			Cap	6	0.420.7046.00
	627.715c			Cap	5	0.420.7046.00
	627.926c			Cap	2	0.420.7046.00
	627.927c			Cap	3	0.420.7046.00
	627.928c			Cap	4	0.420.7046.00
29	628.113c / 627.926c / 928c			Screw M10x30 DCRT	1	0.404.7132.00
	627.715c / 927c			Screw M10x30 DCRT	3	0.404.7132.00
30	All models			Bolt M12x45 12.9 DCRT320	3	8.1.2.01529
31	All models			Hex.nut UNI55888 M12 DCRT320	8	8.2.1.01533
32	All models			Gear Z45 M3	1	0.505.6000.00
33	All models			Snap ring 40 UNI7436	1	8.5.1.00680
34	All models			Ball bearing 6208/c3	1	8.0.1.01184
35	All models			Bush	1	0.404.7108.00
36	All models			Snap ring for holes D80 UNI7437	1	8.5.2.00030
37	All models			Bolt M12x40 12.9 DCRT320	5	8.1.2.01530
38	All models			Hex.nut M8 ZINC	4	8.2.1.00985
39	All models			Bolt M8x25 8.8 DCRT320	4	8.1.2.01527
40	628.113c			Hex.nut M10 DCRT320	135	8.2.1.01528
	627.715c			Hex.nut M10 DCRT320	119	8.2.1.01528
	627.926c			Hex.nut M10 DCRT320	71	8.2.1.01528
	627.927c			Hex.nut M10 DCRT320	87	8.2.1.01528
	627.928c			Hex.nut M10 DCRT320	103	8.2.1.01528
41	628.113c			Reinforcement	1	0.408.7100.00
	627.715c			Back reinforcement	1	0.407.7102.00
	627.926c			Back reinforcement	1	0.407.7117.00
	627.928c			Back reinforcement	1	2.506.7005.00
	627.927c			Back reinforcement	1	0.405.7103.00
42	628.113c			Mounting	8	0.505.1302.00
	627.715c			Mounting	7	0.505.1302.00
	627.926c			Mounting	4	0.505.1302.00
	627.927c			Mounting	5	0.505.1302.00
	627.928c			Mounting	6	0.505.1302.00
43	628.113c			Spacer	5	0.404.7136.00
	627.715c / 627.928c			Spacer	4	0.404.7136.00
	627.926c			Spacer	1	0.404.7136.00
	627.927c			Spacer	2	0.404.7136.00
44	628.113c			Cutterbed+cover	1	2.508.0301.00
	627.715c			Cutterbed+cover	1	2.507.0301.00
	627.926c			Cutterbed+cover	1	2.504.0301.00
	627.927c			Cutterbed+cover	1	2.505.0301.00
	627.928c			Cutterbed+cover	1	2.506.0301.00

6. Group: Cutter bar 3/5

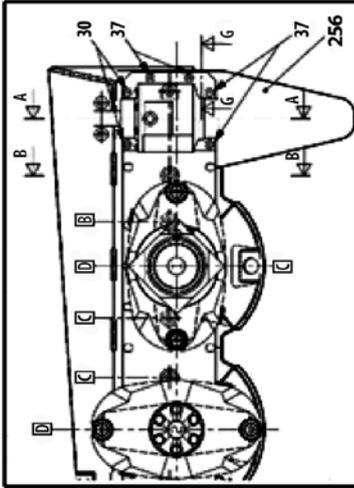


Reinforced option

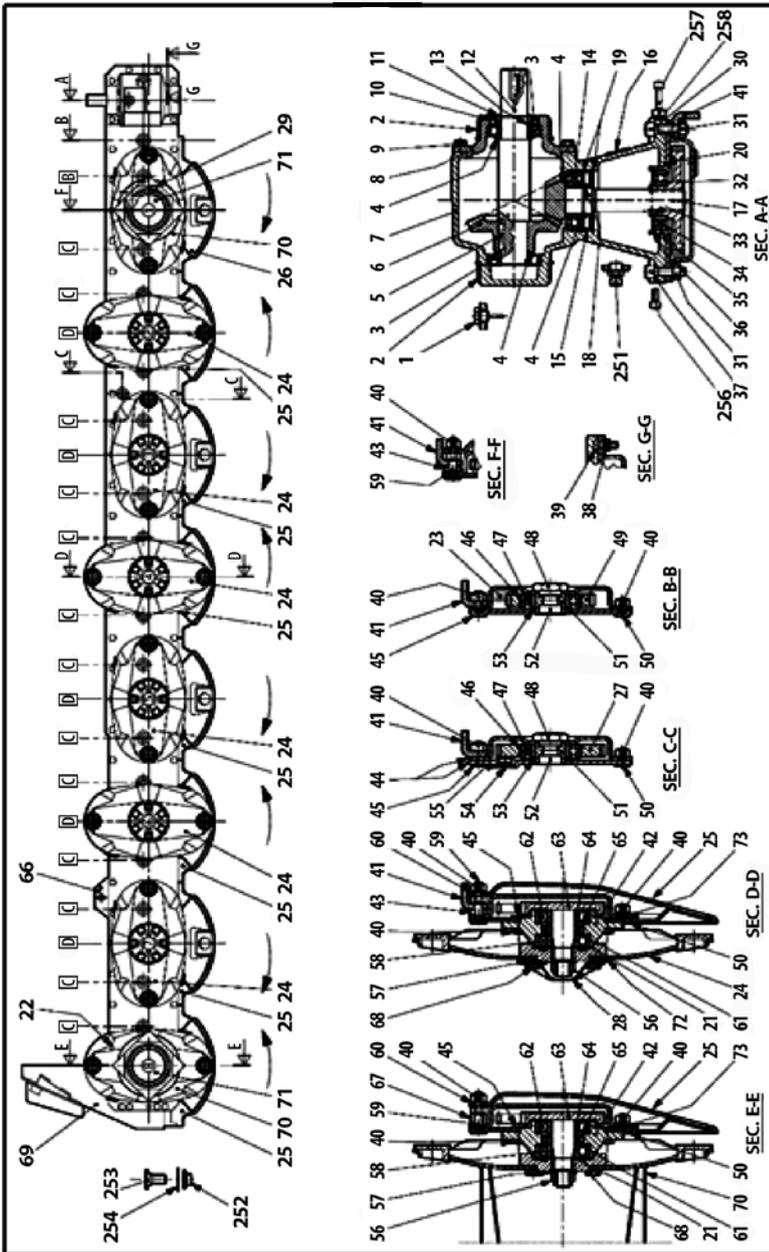


Part number	Model of machine	ID	Part label	Name	Quantity per machine	Note
45	628.113c			Screw M10x30 DCRT320	84	0.404.7101.00
	627.715c			Screw M10x30 DCRT320	71	0.404.7101.00
	627.926c			Screw M10x30 DCRT320	40	0.404.7101.00
	627.927c			Screw M10x30 DCRT320	49	0.404.7101.00
	627.928c			Screw M10x30 DCRT320	65	0.404.7101.00
46	628.113c			Snap ring 80	16	0.505.7101.00
	627.715c			Snap ring 80	15	0.505.7101.00
	627.926c			Snap ring 80	8	0.505.7101.00
	627.927c			Snap ring 80	11	0.505.7101.00
	627.928c			Snap ring 80	12	0.505.7101.00
47	628.113c			Bearing 6208 N/C3	16	8.0.1.01918
	627.715c			Bearing 6208 N/C3	15	8.0.1.01918
	627.926c			Bearing 6208 N/C3	8	8.0.1.01918
	627.927c			Bearing 6208 N/C3	11	8.0.1.01918
	627.928c			Bearing 6208 N/C3	12	8.0.1.01918
48	628.113c			Nut	16	0.465.7050.00
	627.715c			Nut	15	0.465.7050.00
	627.926c			Nut	8	0.465.7050.00
	627.927c			Nut	11	0.465.7050.00
	627.928c			Nut	12	0.465.7050.00
49	628.113c / 627.926c / 928c			Gear Z36 M3	2	0.505.6001.00
50	628.113c			Screw M10x19 DCRT320	34	0.404.7112.00
	627.715c			Screw M10x19 DCRT320	31	0.404.7112.00
	627.926c			Screw M10x19 DCRT320	22	0.404.7112.00
	627.927c / 928c			Screw M10x19 DCRT320	25	0.404.7112.00
51	628.113c			Pin	16	0.465.7049.00
	627.715c			Pin	15	0.465.7049.00
	627.926c			Pin	8	0.465.7049.00
	627.927c			Pin	11	0.465.7049.00
	627.928c			Pin	12	0.465.7049.00
52	628.113c			Bolt M20x30 DCRT320	16	0.404.7107.00
	627.715c			Bolt M20x30 DCRT320	15	0.404.7107.00
	627.926c			Bolt M20x30 DCRT320	8	0.404.7107.00
	627.927c			Bolt M20x30 DCRT320	11	0.404.7107.00
	627.928c			Bolt M20x30 DCRT320	12	0.404.7107.00
53	628.113c			Spacer 40.3x51.5x3	16	0.404.7105.00
	627.715c			Spacer 40.3x51.5x3	15	0.404.7105.00
	627.926c			Spacer 40.3x51.5x3	8	0.404.7105.00
	627.927c			Spacer 40.3x51.5x3	11	0.404.7105.00
	627.928c			Spacer 40.3x51.5x3	12	0.404.7105.00
54	All models			Plug 3/8" Gas	2	0.404.7131.00
55	628.113c / 627.927c / 928c			Alluminium washer 17x22x1.5	2	8.3.0.01353
	627.715c / 627.926c			Spring washer 17,16x22x2	2	8.3.3.00400
56	628.113c			Locknut 20x1.5H17,3	8	8.2.6.00740
	627.715c			Locknut 20x1.5H17,3	7	8.2.6.00740
	627.926c			Locknut 20x1.5H17,3	4	8.2.6.00740
	627.927c			Locknut 20x1.5H17,3	5	8.2.6.00740
	627.928c			Locknut 20x1.5H17,3	6	8.2.6.00740

6. Group: Cutter bar 4/5

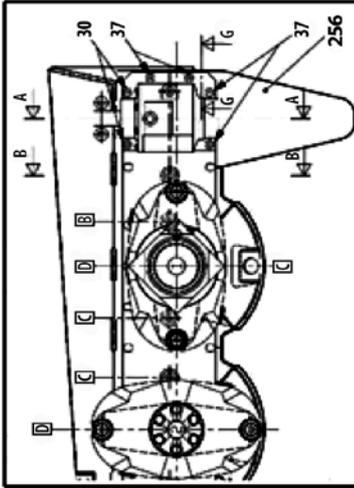


Reinforced option

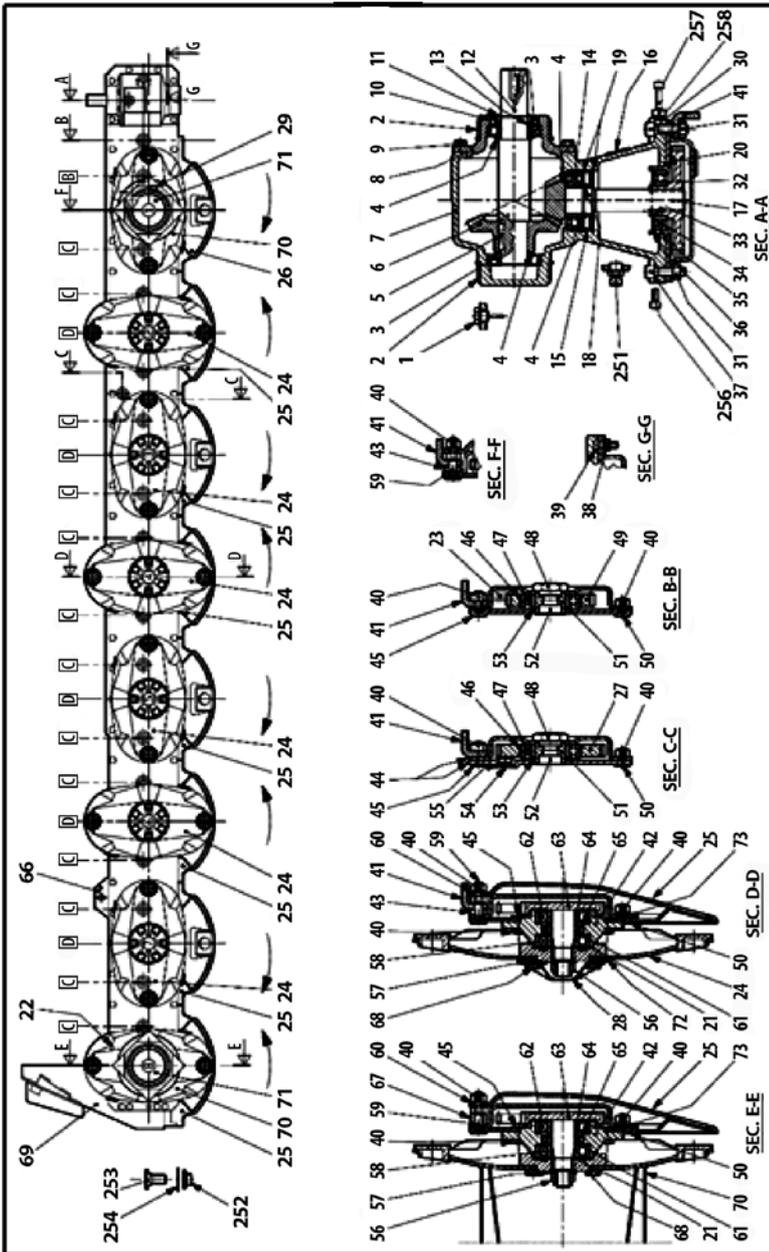


Part number	Model of machine	ID	Part label	Name	Quantity per machine	Note
57	628.113c			Belleville spring 0.4x40x2.5	8	8.5.5.01425
	627.715c			Belleville spring 0.4x40x2.5	7	8.5.5.01425
	627.926c			Belleville spring 0.4x40x2.5	4	8.5.5.01425
	627.927c			Belleville spring 0.4x40x2.5	5	8.5.5.01425
	627.928c			Belleville spring 0.4x40x2.5	6	8.5.5.01425
58	628.113c			Bearing	8	8.0.1.02267
	627.715c			Bearing	7	8.0.1.02267
	627.926c			Bearing	4	8.0.1.02267
	627.927c			Bearing	5	8.0.1.02267
	627.928c			Bearing	6	8.0.1.02267
59	628.113c			Screw M10x52 DCRT320	8	0.404.7102.00
	627.715c			Screw M10x52 DCRT320	7	0.404.7102.00
	627.926c			Screw M10x52 DCRT320	4	0.404.7102.00
	627.927c			Screw M10x52 DCRT320	5	0.404.7102.00
	627.928c			Screw M10x52 DCRT320	6	0.404.7102.00
60	628.113c			Belleville spring 20x10.2x1.1	8	0.404.7140.00
	627.715c			Belleville spring 20x10.2x1.1	7	0.404.7140.00
	627.926c			Belleville spring 20x10.2x1.1	4	0.404.7140.00
	627.927c			Belleville spring 20x10.2x1.1	5	0.404.7140.00
	627.928c			Belleville spring 20x10.2x1.1	6	0.404.7140.00
61	628.113c			Bush	8	0.505.7100.00
	627.715c			Bush	7	0.505.7100.00
	627.926c			Bush	4	0.505.7100.00
	627.927c			Bush	5	0.505.7100.00
	627.928c			Bush	6	0.505.7100.00
62	628.113c			Bearing 6306 2Z/C3 KBC	8	8.0.1.02279
	627.715c			Bearing 6306 2Z/C3 KBC	7	8.0.1.02279
	627.926c			Bearing 6306 2Z/C3 KBC	4	8.0.1.02279
	627.927c			Bearing 6306 2Z/C3 KBC	5	8.0.1.02279
	627.928c			Bearing 6306 2Z/C3 KBC	6	8.0.1.02279
63	628.113c			Gear Z34 M3	8	0.505.5000.00
	627.715c			Gear Z34 M3	7	0.505.5000.00
	627.926c			Gear Z34 M3	4	0.505.5000.00
	627.927c			Gear Z34 M3	5	0.505.5000.00
	627.928c			Gear Z34 M3	6	0.505.5000.00
64	628.113c			O-ring OR-3112	8	8.7.6.01244
	627.715c			O-ring OR-3112	7	8.7.6.01244
	627.928c			O-ring OR-3112	4	8.7.6.01244
	627.927c			O-ring OR-3112	5	8.7.6.01244
	627.928c			O-ring OR-3112	6	8.7.6.01244
65	628.113c			Oil seal 40x56x8	8	8.7.3.00044
	627.715c			Oil seal 40x56x8	7	8.7.3.00044
	627.926c			Oil seal 40x56x8	4	8.7.3.00044
	627.927c			Oil seal 40x56x8	5	8.7.3.00044
	627.928c			Oil seal 40x56x8	6	8.7.3.00044
66	All models			Mounting	1	0.404.7118.00
67	628.113c / 627.715c / 927c			Spacer	3	0.404.7137.00
	627,926			Spacer	3	0.404.7136.00
	627.928c			Spacer	2	0.404.7137.00

6. Group: Cutter bar 5/5



Reinforced option



Part number	Model of machine	ID	Part label	Name	Quantity per machine	Note
68	628.113c			Bolt M10x20	48	0.420.7101.00
	627.715c			Bolt M10x20	42	0.420.7101.00
	627.926c			Bolt M10x20	24	0.420.7101.00
	627.927c			Bolt M10x20	30	0.420.7101.00
	627.928c			Bolt M10x20	12	0.420.7101.00
69	628.113c			Mounting	1	2.404.1334.00
	627.715c / 627.926c / 927c			Mounting	1	2.404.1339.00
70	All models			Conveyor	2	2.420.7071.00
71	All models			Spacer	2	0.404.7135.00
72	628.113c			Spacer	6	0.465.7005.00
	627.715c			Spacer	5	0.465.7005.00
	627.926c			Spacer	2	0.465.7005.00
	627.927c			Spacer	3	0.465.7005.00
73	628.113c			O-ring OR-3425	8	8.7.6.02254
	627.715c			O-ring OR-3425	7	8.7.6.02254
	627.926c			O-ring OR-3425	4	8.7.6.02254
	627.927c			O-ring OR-3425	4	8.7.6.02254
	627.928c			O-ring OR-3425	6	8.7.6.02254
251	All models			Oil breather plug 3/8"	1	8.6.7.00161
252	628.113c			Nut M12 DCRT320	16	0.404.7139.00
	627.715c			Nut M12 DCRT320	14	0.404.7139.00
	627.926c			Nut M12 DCRT320	8	0.404.7139.00
	627.927c			Nut M12 DCRT320	10	0.404.7139.00
	627.928c			Nut M12 DCRT320	12	0.404.7139.00
253	628.113c			Screw	16	0.404.7152.00
	627.715c			Screw	14	0.404.7152.00
	627.926c			Screw	8	0.404.7152.00
	627.927c			Screw	10	0.404.7152.00
	627.928c			Screw	12	0.404.7152.00
254	628.113c			Washer DCRT320	16	1.404.7109.00
	627.715c			Washer DCRT320	14	1.404.7109.00
	627.926c			Washer DCRT320	8	1.404.7109.00
	627.927c			Washer DCRT320	10	1.404.7109.00
	627.928c			Washer DCRT320	12	1.404.7109.00
256	627.927c			Bolit M10x22 12.9 DCRT320	2	8.1.2.01531
257	627.927c			Bolit M10x35 12.9 DCRT320	2	8.1.2.01532
258	627.927c			Spacer	2	0.404.7113.00



COMPLIANCE STATEMENT (EC)

We,

FPM Agromehanika D.O.O.,
Đorđa Simeonovića 25, 19370, Boljevac, Srbija

declare, as the manufacturers, that the product

Type: Disc Mowers

Model: FPM 627 726 – 4 discs
FPM 627 716 – 4 discs
FPM 627 678 – 4 discs
FPM 627 926 – 4 discs
FPM 627 927 – 5 discs
FPM 627 928 – 6 discs
FPM 804 185 – 3 discs
FPM 627 712 – 3 discs
FPM 627 715 – 7 discs
FPM 627 075 – 3 discs
FPM 627 713 – 5 discs
FPM 627 113 – 8 discs
FPM 627 134 – 4 discs
FPM 627 135 – 5 discs
FPM 627 136 – 7 discs

complies, within our responsibility with all relevant requirements pursuant to EU Directive 2006/42/EC (for machines).

The product complies with the following standards:

- SRPS EN ISO 12100:2014
- SRPS EN ISO 13857:2010
- SRPS EN ISO 4254-1:2013
- SRPS EN ISO 4254-12:2013
- EN 1553:2000
- SRPS ISO 11684:1999
- SRPS EN ISO 11201:2014
- SRPS EN ISO 4413:2011

In Boljevac,
12/24/2014

Authorised person

Branislav Rajić, mechanical engineer
CEO



This machine complies with the relevant safety requirements of the EC directive for machines.



FPM AGROMEHANIKA

Đorđa Simeonovića 25, 19370 Boljevac-Srbija

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