

# Del Morino®

FARM & GARDEN EQUIPMENT



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## USE AND MAINTENANCE MANUAL

# FLAIL MOWER CENTURION



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## PREFACE

**DEL MORINO SRL**

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DEL MORINO SRL thanks you for choosing us and for confidence in the quality of our implements.

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### This manual is an integral part of the implement

It must always come with the implement and be at user's disposal.  
All attachments are integral part of the manual.

### The purpose of this manual

This manual provides information for the correct and safe use of the implement.  
The owner must read this manual carefully before working with the implement.

### Responsibility of the owner

The owner is responsible for accidents or damages caused to people or things due to negligence in following the instructions of this manual.

### Assistance in using this manual

Explanations: contact the dealer.

Request for additional copies of the manual: in case of loss or wear and tear, or in case the manual is needed in a different language, ask the dealer or the manufacturer.

### Pay attention to the warning labels



**DANGER:** indicates an imminent dangerous situation which, if not avoided, will cause death or serious injury and/or damage.



**WARNING:** indicates a potentially dangerous situation which, if not avoided, will cause death or serious injury and/or damage.



**CAUTION:** indicates a potentially dangerous situation which, if not avoided, can cause minor to moderate damage or it warns about an unsafe procedure.



**IMPORTANT:** indicates instructions that must be followed precisely in order to avoid damage to the product, process or environment.



**NOTE:** indicates supplementary information.

## DESCRIPTION

### FIELD OF USE

The hydraulic adjustment system allows the implement to perform several functions, such as cutting grass, stalks, pruning and edges.

The use of a technical constructive concept aimed at reaching high performances, reliability and durability improves the efficiency in terms of power/tractor consumption ratio, thanks to the rigidity of the implement frame, the shape of the tools, the perfect dynamic balancing of the rotor and many others original technical solutions.

### PERFORMANCES

The implement is connected to the tractor through the 3-point hitch and a PTO shaft. The first one allows the implement to side-shift, the second one, connected to the tractor PTO, allows the rotation of the shaft.

The working width is fixed and is determined by the model.

The cutting height is adjustable.

The rear roller regulates the cutting height and compacts the cut material.

### PERFORMANCE LIMITS

- Max speed: 5 km/h (3 mph). Speed higher than that indicated may compromise the integrity of the implement, the quality of the work and the safety of the operator.
- Max power applicable to the gearbox: 22 kW  $\pm$  5% to 540 RPM, 43 kW  $\pm$  5% to 1000 RPM. Power higher than that indicated can damage the gearbox irreparably, especially if you are performing heavy-duty work.

### STANDARD FEATURES

- Standard PTO shaft.
- Free wheel device integrated in the gearbox.
- Lateral side-shift.
- Rear roller adjustable in 4 positions.

### VARIANTS & ACCESSORIES

- Tools: blades.
- Tools: hammers.
- Hydraulic side-shift.
- 1000 RPM gearbox.
- Rear roller extension kit (106-132-158)

## TECHNICAL FEATURES

## SPECIFICATIONS PER MODEL

Model	Type	Power		Working width		Weight		Dimensions A x B x H		N° tools	N° RPM rotor
		Hp	kW	cm	in	kg	lbs	cm	in		
<b>CENTURION BLADES</b>	106	15-30	12-23	106	42	187	412	123x84x84	49x34x34	32	2410
	132	15-30	12-23	132	52	235	518	149x84x84	59x34x34	40	2410
	158	20-50	15-38	158	63	261	575	175x84x84	69x34x34	48	2410
	186	20-50	15-38	186	74	318	701	201x84x84	80x34x34	52	2410
<b>CENTURION HAMMERS</b>	106	15-30	12-23	106	42	187	412	123x84x84	49x34x34	16	2410
	132	15-30	12-23	132	52	235	518	149x84x84	59x34x34	20	2410
	158	20-50	15-38	158	63	261	575	175x84x84	69x34x34	24	2410
	186	20-50	15-38	186	74	318	701	201x84x84	80x34x34	26	2410

## SAFETY INFORMATION

### GENERAL REQUIREMENTS



**ATTENTION:** To prevent damage due to the launch of objects or parts of blades, before starting to work, be sure that no persons or animals are within a radius of 50 meters (164 ft) from the implement.

- Work only during daytime.
- Wear long trousers and heavy shoes.
- The protective flaps and other devices are integral part of the implements: never work without the protective flaps or devices.
- Make sure that there are no stones, sticks, iron wires, etc on the ground.
- Pay attention when using the implement on slopes: proceed in the direction of the maximum slope and never work in oblique direction.
- Before leaving the driver's seat, disengage the engine-shaft transmission and turn off the engine.
- Check the implement immediately if it hits foreign objects.
- Check the implement immediately if it begins vibrating strongly.
- Change defective parts immediately.

### ATTENTION, DANGER!

The gearbox is equipped with a free-wheel device. After stopping the PTO, the rotor continues to spin for at least 30 seconds: before approaching the tools make sure that the rotor has stopped turning.

### ATTENTION!

To prevent damage to the PTO shaft and to the gearbox, do not start the implement roughly.

### SAFETY RESTRICTIONS

Do not allow children or people who are unfamiliar with the instructions to use the implement.

Local regulations may restrict the use of the implement based on age.

### RUNNING IN

The new implement must be broken in.

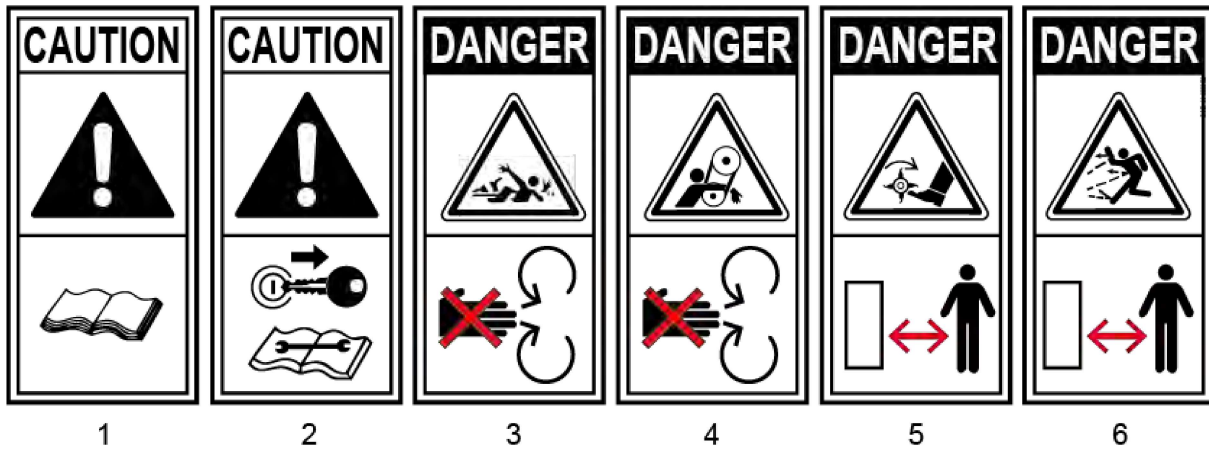
During first usage, attach the implement to the tractor, connect the PTO shaft, lower the implement to 15 cm (6 in) from the ground, start the PTO and gradually increase the RPM to 540.

Let the implement run for about 15 minutes.

It is normal to hear a hiss coming from the supports, it is due to the adjustment of the protections, it will disappear shortly.

## SAFETY LABELS ON THE IMPLEMENT

In this section, the safety labels of the implement are reproduced and explained.



Pic. 1

### Legend

1. Read the manual.
2. Remove the key from the ignition of the tractor before performing maintenance or repairs.
3. Stay at a safe distance from the PTO shaft.
4. Stay at a safe distance from the transmission belts.
5. Stay at a safe distance from the tools.
6. Stay at a safe distance: possible flying objects.

### The safety labels on the implement must be always legible

If damaged, the labels must be replaced.

If parts of the implement with the safety labels are replaced, the labels must be replaced as well.

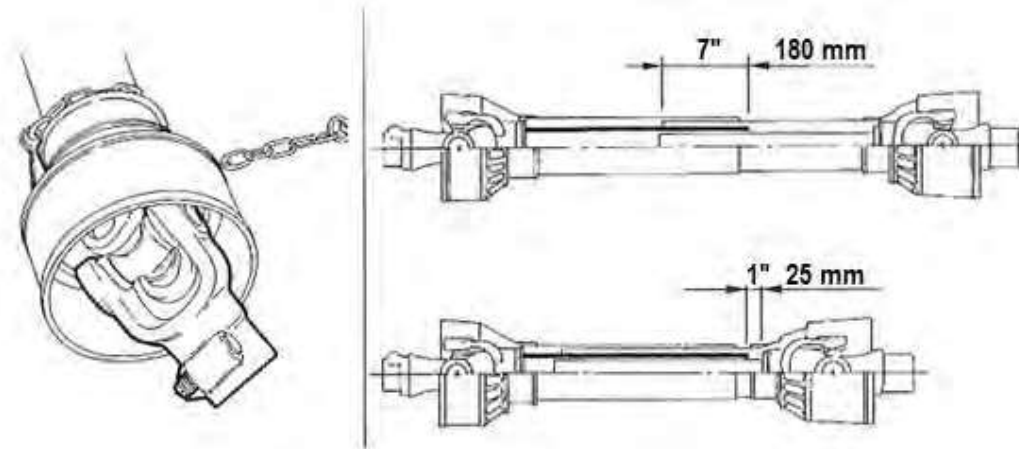
### Supply of new labels and application procedure

Contact your dealer to obtain new safety labels with instructions for application.



## PTO SHAFT

## CHECK THE LENGTH OF THE PTO SHAFT



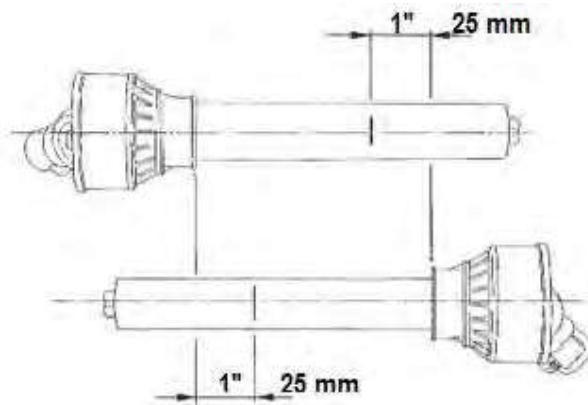
Pic. 2

1. Connect the implement to the 3-point hitch and adjust it so that it is level and centered on the tractor.
2. Insert the PTO shaft between the PTO of the tractor and the implement.
3. Verify that the length of the PTO shaft is correct.
4. To do so, check that the minimum overlap between the inner and outer tube is not less than 180 mm (7 in) in every working position; at the same time, when the shaft is not extended, it should be able to move at least 25 mm (1 in).
5. If the minimum coupling distance is less than 180 mm (7 in), the PTO shaft is short and must be replaced with a longer one.
6. If the PTO shaft is not able to move at least 25 mm (1 in) when is not extended, it is long and must be shortened.



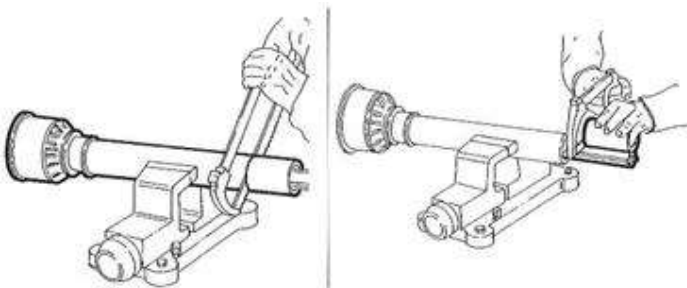
**IMPORTANT:** shortening the PTO shaft is complicated and must be carried out carefully following the instructions in the next chapter, otherwise the PTO shaft may be damaged.

## HOW TO SHORTEN THE PTO SHAFT



Pic. 3

1. Using the hydraulic lift, bring the implement as close as possible to the tractor.
2. In this position, block the lift and turn off the engine.
3. Pull the two parts of the PTO shaft completely apart.
4. Attach the female semi-cardan (tube with larger diameter) into the PTO.
5. Attach the male semi-cardan (tube with smaller diameter) into the implement.
6. With the two parts parallel, use a felt pen to mark the cutting point, as shown in Pic. 3.



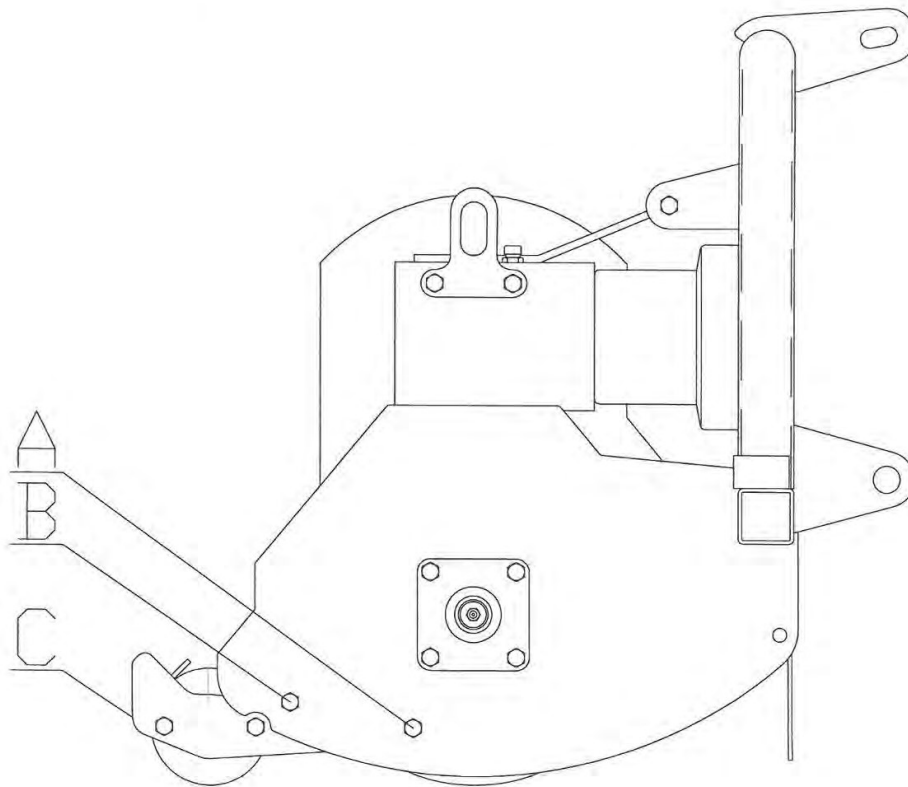
Pic. 4

1. Cut the plastic tube of one of the semi cardan with a hacksaw on the cutting line (see 6 above).
2. Align the cut plastic tube with the end of the metal tube and then cut it.
3. Repeat the same operations on the other section of the PTO shaft.
4. Use a file to smooth down the edges of the metal tubes.
5. Clean and grease the two metal tubes and then insert one section into the other.
6. Install the PTO shaft between the tractor and the implement, then verify the length again.

## INSTRUCTIONS FOR USE

## BEFORE STARTING TO WORK

- Adjust the cutting height as follow:
  1. Loosen screw "A".
  2. Unscrew screw "B" and remove it.
  3. Repeat the same operations on the other side of the implement.
  4. Choose the position of roller "C". Moving it upward decreases the cutting height; moving it downward increases the cutting height.
  5. Insert and tighten screws "B", tighten screw "A".



Pic. 5

- Hook the implement to the tractor as follows:
  1. Remove the safety pins then take out the pins from the two lower connection points of the implement.
  2. Rise the lower link arms of the tractor to the level of the lower connection points of the implement, insert the pins and lock with the safety pins.
  3. Connect the top link of the tractor to the upper link of the implement, insert the pin and lock with safety pin.
  4. \* **Only for implements equipped with hydraulic side-shift:** connect the 2 quick couplings to the rear hydraulic connections of the tractor.
- With the implement raised, go to the work site.
- Connect the PTO shaft to the tractor PTO and the implement gear box.
- Check that the chains of the PTO cover are attached to the tractor to prevent from rotating.

## START WORKING

- Make sure that there is no one within a radius of 50 meters (164 ft) around the implement.
- Insert the PTO and increase the rotation speed gradually to its normal speed.
- Lower the implement until the rear roll touches the soil.
- Start working.

## AT THE END OF THE WORK

- Stop the tractor and the PTO shaft. Wait for at least 30 seconds until the rotor has completely stopped.
- Lift the implement up.
- Disconnect the PTO.
- Disconnect the PTO shaft from the PTO of the tractor.
- Lift the implement fully.

## MAINTENANCE INSTRUCTIONS

Maintenance operations and their corresponding intervals are listed in sheet "A".

Not following the schedule maintenance intervals jeopardizes the proper functioning of the implement, thus voiding the guarantee.

### SHEET "A" SCHEDULED MAINTENANCE

	FIRST USE	AFTER 10 H.	EVERY 30 H.	EVERY 500 H.	END OF THE SEASON	BEGINNING OF WORK	END OF WORK
<b>IMPLEMENT</b>	Greasing		Greasing		Cleaning Greasing		Cleaning
<b>GEARBOX</b>	Oil level	Topping	Oil level	Oil change			
<b>SCREWS</b>		Tightening	Tightening				
<b>TOOLS</b>			Check		Check	Check	Check
<b>BELTS</b>		Check tension		Replacement			



**NOTE:** transmission belts will stretch during the first hour of operation.

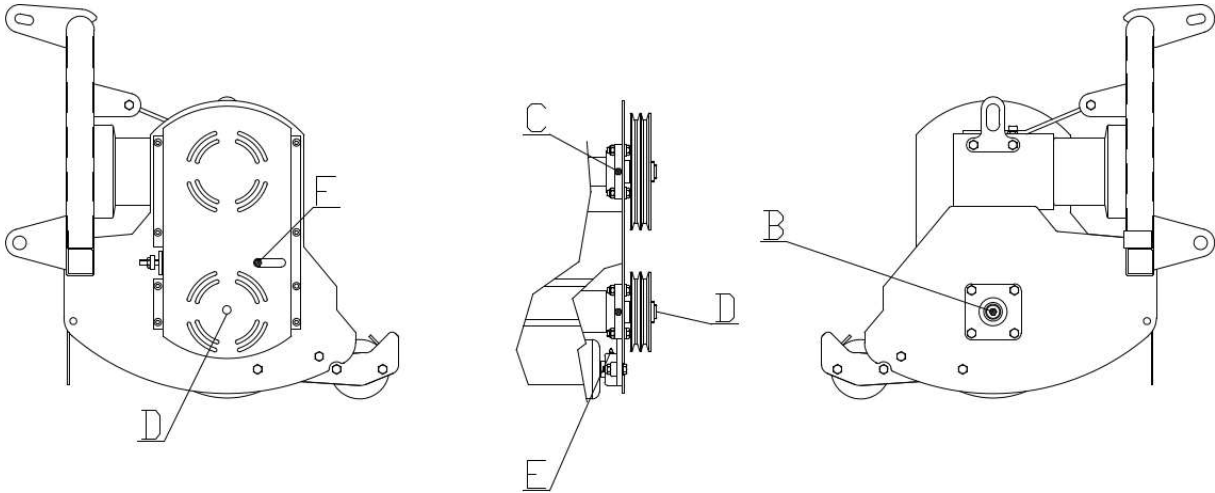
After the first use, the belts tension must be checked and adjusted according to the instructions in paragraph 4 to prevent the belts from wearing out prematurely due to excessive slipping.

## 1. GREASING

Grease points "B" "C", "D", "E", "F" as indicated in the sheet "A".

Greasing points are equipped with a HYDRAULIC GREASER MODEL "A" UNI 7663.

Use only MULTIFUNCTIONAL LITHIUM-BASED OIL TYPE NLGI 2.



Pic. 6

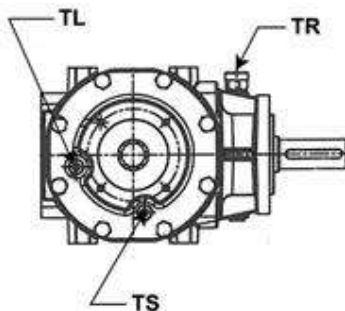
## 2. OIL LEVEL - OIL CHANGE

Check the oil level in the gearbox or replace it as indicated in sheet "A".

To top up the oil, use only SAE 90 OIL.

Gearbox capacity: 0,8 L.

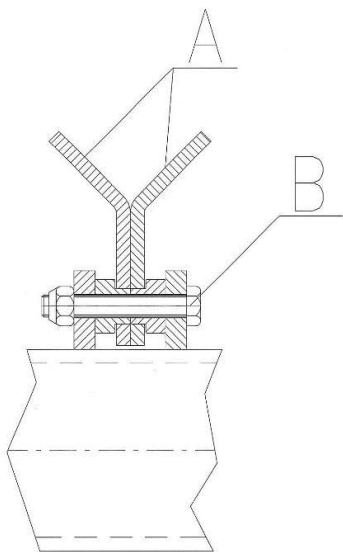
- To check the oil level in the gearbox, proceed as follows:
  1. The implement must be on a flat surface. After removing the plastic protection on the front of the gearbox, unscrew the cap "TL" and check that the oil level is just below the edge of the hole.
  2. If the level is OK, tighten the cap "TL" carefully.
  3. If the level is low, unscrew the cap "TR" and top it up.
  4. Upon completion tighten the caps "TL" and "TR" carefully and replace the plastic protection.
- To replace the oil in the gearbox, proceed as follows:
  1. Remove the protection on the front of the gearbox, unscrew the caps "TL", "TR" and the drain cap "TS". Wait until all the oil is out.
  2. Replace the drain cap "TS" and add the new oil through the hole of cap "TR".
  3. Upon completion tighten the caps "TL" and "TR" carefully and replace the plastic protection.



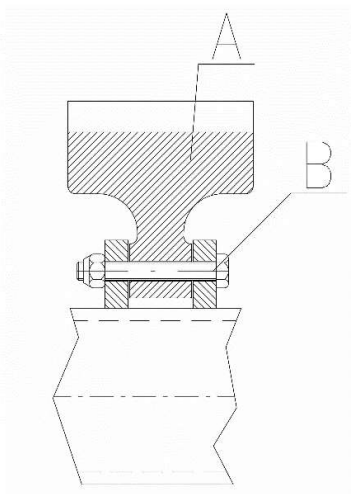
Pic. 7

### 3. BLADES REPLACEMENT

- To replace the blades, proceed as follows:
  1. Unscrew the nut and remove the bolt "B".
  2. Remove the blades "A" with the corresponding spacers.
  3. **ATTENTION:** if the implement is equipped with hammers, there are no spacers.
  4. Place the new blade.
  5. Insert the bolt "B" and tighten the nut.
  6. **ATTENTION:** all blades must be of the same type.
  7. **ATTENTION:** if you change the type of blade, the rotor must be rebalanced.



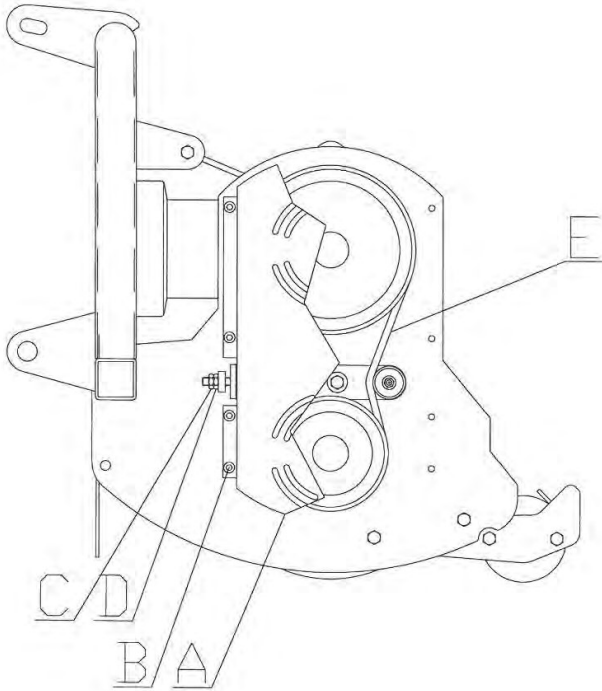
Pic. 8



Pic. 9

#### 4. ADJUSTMENT AND REPLACEMENT OF THE TRANSMISSION BELTS

- To adjust the tension of the transmission belts, proceed as follows:
  1. Remove the belt cover "A" unscrewing the 8 screws "B".
  2. Unscrew the locknut "C", tighten the screw "D" to stretch the belts or unscrew it to loosen them. The tension is correct when you pull the sides of the belts with your thumb and they give away to a few millimeters.
  3. Once the belts are adjusted, tighten the locknut "C" and mount the belt cover "A".
- To replace the transmission belts, proceed as follows:
  1. Remove the belt cover "A" unscrewing the 8 screws "B".
  2. Unscrew the locknut "C" and unscrew completely the adjustment screw "D".
  3. Remove the 2 worn out belts "E".
  4. **ATTENTION:** to avoid tension problems, the belts must be replaced with original belts, whose are shown in the "SPARE PARTS LIST".
  5. Screw nut "D" until reaching the desired tension, then tighten locknut "C".
  6. Check the tension of the new belts after 30 minutes of operation.



Pic. 10



## TROUBLESHOOTING

MALFUNCTIONS	CAUSE	SOLUTION
<b>Abnormal vibrations</b>	1) Unbalanced rotor. 2) Loss of one or more tools. 3) Worn out bearings.	1) Contact the dealer. 2) Replace missing tools. 3) Replace worn out bearings.
<b>Irregular or unsatisfactory cutting</b>	1) Worn out tools. 2) Incorrect choice of tools.	1) Replace worn out tools. 2) Replace them with another type.

## VARIOUS INFORMATION

### TRANSPORT

Outside its normal field of use, the implement must be moved with the PTO disengaged.



**IMPORTANT:** proceed at moderate speed avoiding holes and rough surfaces.



**NOTE:** on the road, abide by the traffic laws. Attach labels to the rear side of the implement indicating the contour of the implement. Abide by all local regulations.



**ATTENTION:** secure the lifting bars of the tractor with chains and parallel tensioners to prevent the bars from moving side to side.

### DEPOSIT

Store the implement in a dry and not dusty place.

### INFORMATION ABOUT DEMOLITION



At the end of its working life, the implement must be demolished and that can only be done by an authorized authority, in accordance with the national laws about the environment. Therefore, it is necessary to get information from qualified local authorities about the procedure to follow. The implement is mainly composed of iron materials, rubber and epoxide paints.

### WARRANTY

The implement is covered by the manufacturer warranty for 24 months.

The warranty is void if:

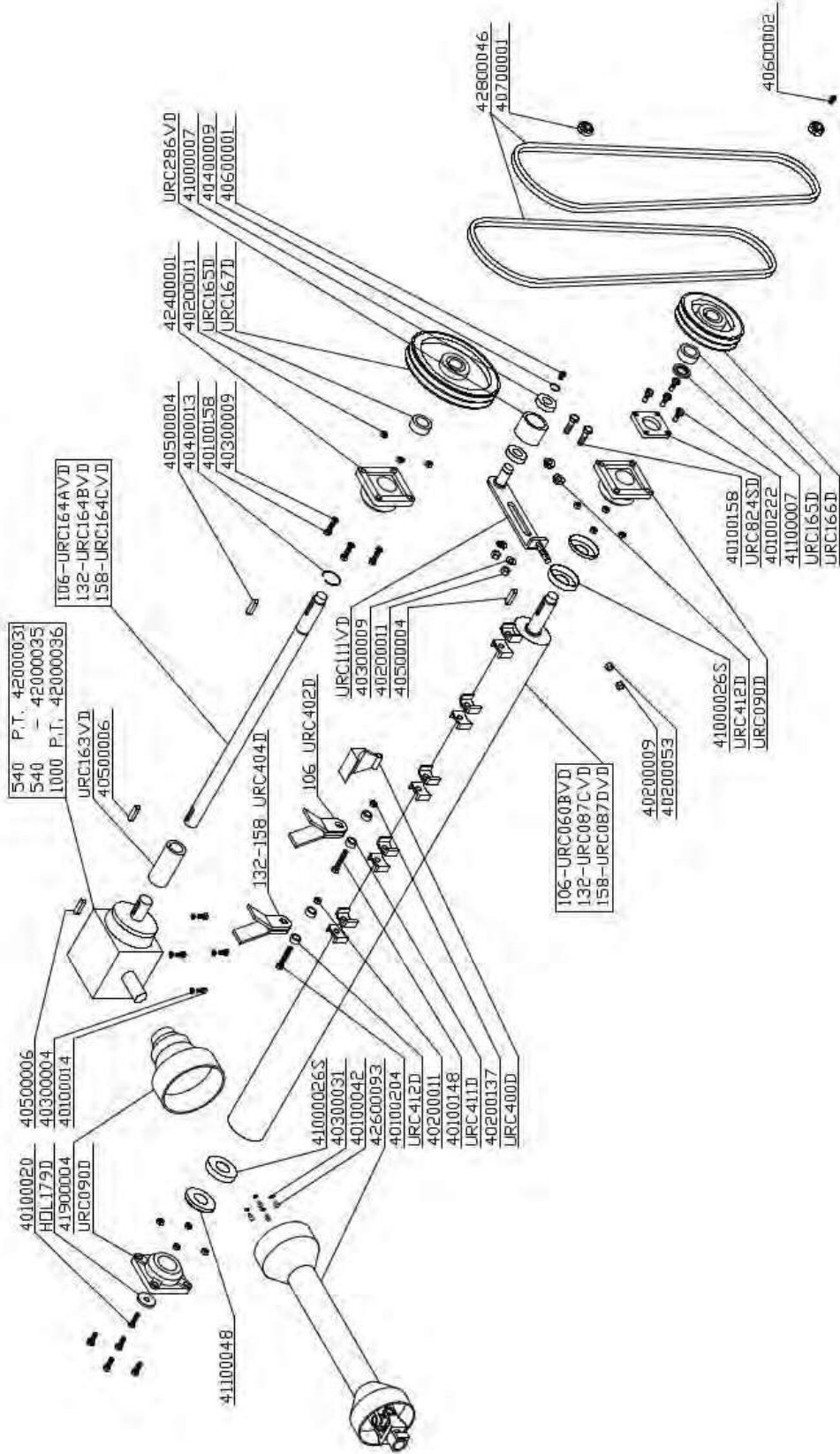
- a) The implement has not been regularly maintained.
- b) The implement has been used outside its field of use.
- c) The implement has been modified without the prior written permission of the manufacturer.



## IMPLEMENT SPARE PARTS

Following is the technical parts breakdown of the components of the implement and its accessories.

CENTURION 106-132-158 MECHANISMS



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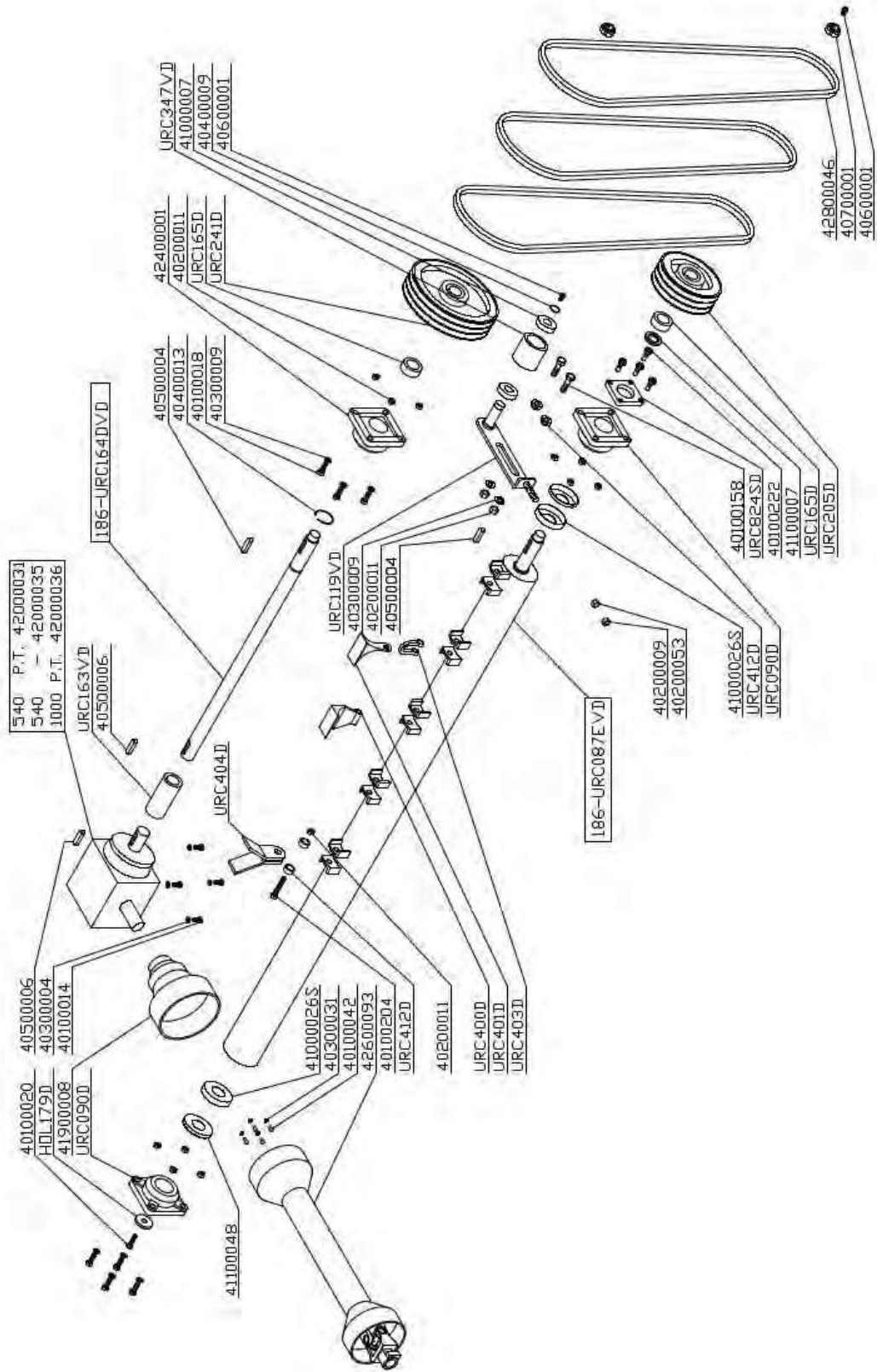
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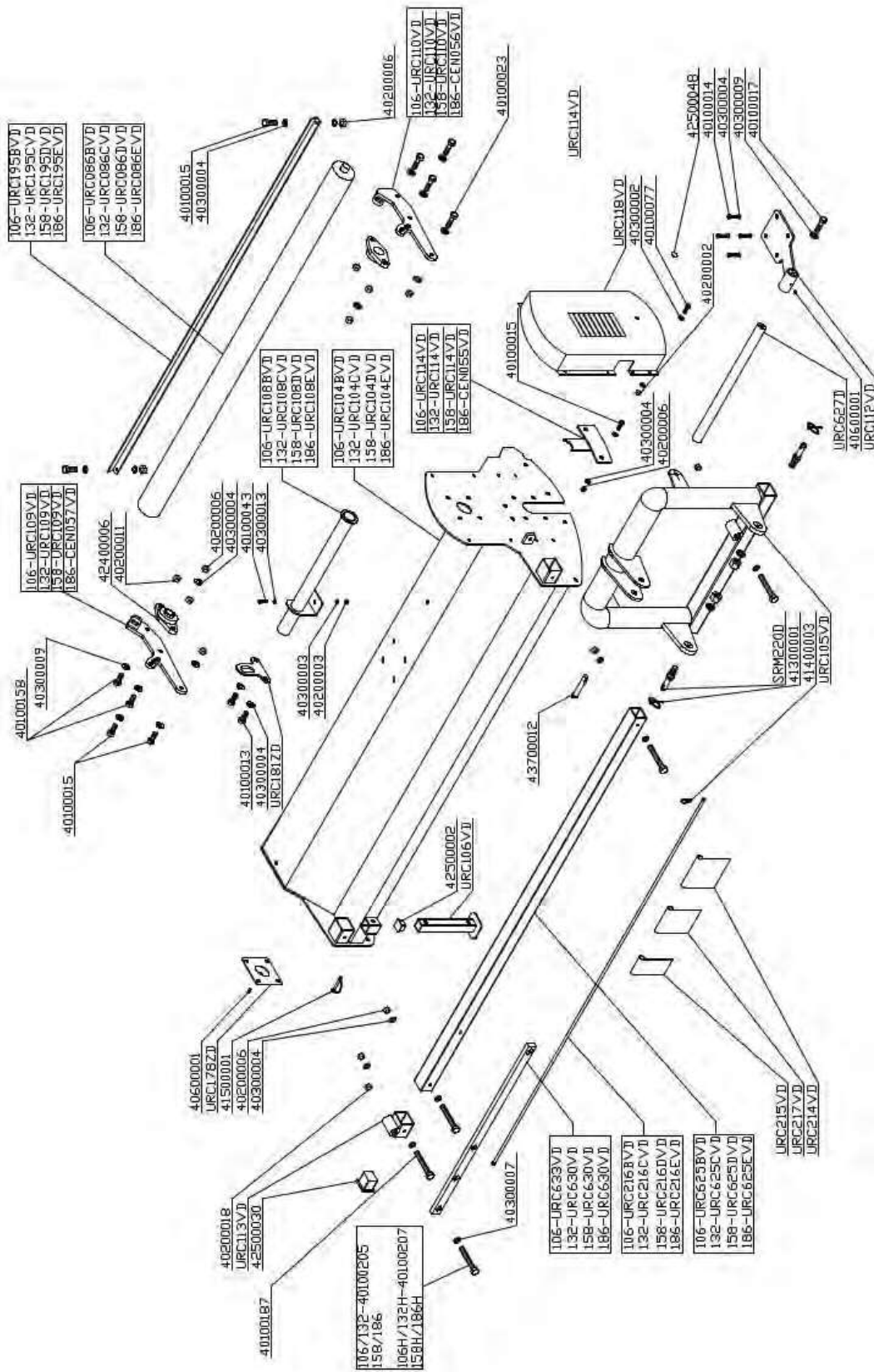
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CENTURION 186 MECHANISMS

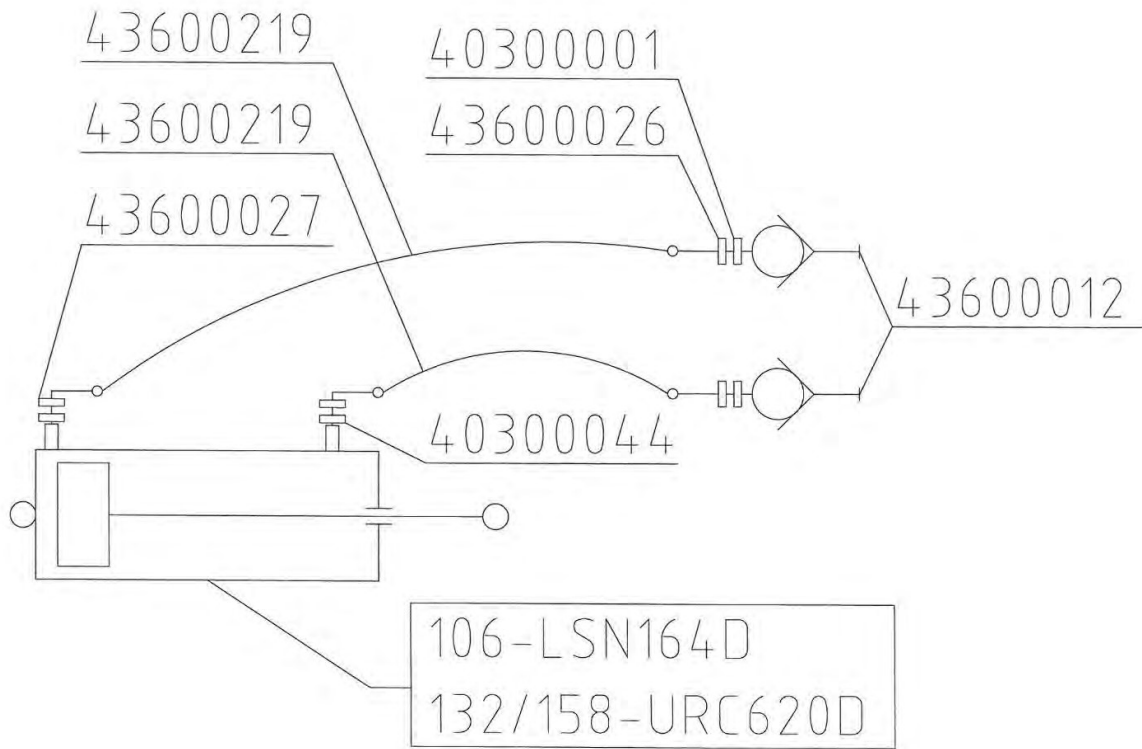




SHEETS



### HYDRAULIC SYSTEM



Spl-lml-dr-Centurion-2019.01



## SPARE PARTS LIST

CENTURION						
Code	Description	Quantity				
		80	93	106	132	158
40100001	SCREW UNI 5931 M 8X20	4	4	4	4	4
40100012	SCREW UNI 5739 M 10X30					2
40100015	SCREW UNI 5739 M 12X35	10	10	10	4	4
40100018	SCREW UNI 5739 M 14X40	7	7	7	7	7
40100020	SCREW UNI 5933 M 12X25	1	1	1	1	1
40100024	SCREW UNI 5737 M 10X140	4	4	4	4	4
40100046	SCREW UNI 5737 M 12X100	1	1	1	1	1
40100061	SCREW UNI 5739 M 12X45				6	6
40100077	SCREW UNI 5739 M 8X20	4	4	4	4	4
40100087	SCREW UNI 5739 M 6X16	4	4	4	4	4
40100148	SCREW UNI 5738 MB 12X1,25X75 PF GR	12*	12*	12*	12*	12*
40100160	SCREW UNI 5933 M 14X45	4	4	4	4	4
40100180	SCREW UNI 5739 M 14X80	1	1	1	1	1
40100189	SCREW UNI 5739 M 10X40	4	4	4	4	
40200002	NUT M8 DIN 980 CONELOX	8	8	8	8	8
40200003	NUT M10 DIN 980 CONELOX	10	10	10	10	10
40200006	NUT M 12 DIN 980 CONELOX	17	17	17	17	17
40200011	NUT M 14 DIN 980 CONELOX	12	12	12	12	12
40200136	NUT M14 UNI 5588	1	1	1	1	1
40200137	NUT MB12 CONELOX	12*	12*	12*	12*	12*
40200138	NUT M6 DIN 980 CONELOX	2	2	2	2	2
40300002	WASHER D 8 UNI 6592	12	12	12	12	12
40300003	WASHER D 10 UNI 6592	16	16	16	16	12
40300004	WASHER D 12 UNI 6592	18	18	18	18	18
40300009	WASHER D14 UNI 6592	3	3	3	3	3
40300035	WASHER D6 UNI 6592	6	6	6	6	6
40400009	SEEGER E20 UNI 7435	1	1	1	1	1
40400013	SEEGER E35X2,5 UNI 7436-75	1	1	1	1	1
40500004	KEY UNI 6604 A-10X8X35	2	2	2	2	2
40500006	KEY UNI 6604 A-10X8X45	1	1	1	1	1
40500008	KEY UNI 6604 A-8X7X45	1	1	1	1	1
40600001	GREASER UNI 7663 A-M 6X1	4	4	4	4	4
40600003	GREASER UNI 7663 A-M8 ZN	1	1	1	1	1
40700001	METAL RING GUK M 30X1,5	2	2	2	2	2
41000007	BEARING	2	2	2	2	2
41000026S	DUST COVER GE 45	2	2	2	2	2
41100007	OIL SEAL 45X65X8	1	1	1	1	1
41100048	NYLON SEAL Ø 71,5 PER UCF 207	2	2	2	2	2
41300001	SPRING PIN D.10	2	2	2	2	2
41500001	PIN D 10	1	1	1	1	1
42000032	GEARBOX T 281 J 9.281.874	1	1	1	1	1
42400001	SUPPORT UCF 207 FK	1	1	1	1	1
42400005	SUPPORT UCFL 204 FK	2	2	2	2	2

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42500002	WING PUSH ROD - POL. 3101 30X30	1	1	1	1	1
42500022	PLUG TNC45	1	1	1	1	1
42500049	BLACK PVC PLUG TPV	1	1	1	1	1
42600009	UNIVERSAL SHAFT II CAT. L=700	1	1	1	1	1
42800016	V BELT B 38 - 1/2	2	2	2	2	2
43700012	SPRING PIN WITH CHAIN 98108	1	1	1	1	1
AGR153ZD	BUSH				1	1
HOL179D	ROTOR LEFT LOCK	1	1	1	1	1
SRM220D	HITCH PIN-I CAT	2	2	2	2	2
URC058AVD	LEVELLING ROLLER	1				
URC058BVD	LEVELLING ROLLER			1		
URC058CVD	LEVELLING ROLLER				1	
URC058DVD	LEVELLING ROLLER					1
URC058FVD	LEVELLING ROLLER		1			
URC060AVD	ROTOR	1				
URC060FVD	ROTOR		1			
URC060BVD	ROTOR			1		
URC060CVD	ROTOR				1	
URC060DVD	ROTOR					1
URC077AVD	FRAME	1				
URC077BVD	FRAME			1		
URC077CVD	FRAME				1	
URC077DVD	FRAME					1
URC077HVD	FRAME		1			
URC079VD	SUPPORT	1	1	1	1	1
URC080VD	BELT TIE ROD	1	1	1	1	1
URC083VD	BELT COVER CARTER	1	1	1	1	1
URC090VD	MACHINED SUPPORT UCF 207	2	2	2	2	2
URC123VD	MULTIPLIER SUPPORT	1	1	1	1	1
URC164AVD	DRIVE SHAFT	1				
URC164BVD	DRIVE SHAFT			1		
URC164CVD	DRIVE SHAFT				1	1
URC164EVD	DRIVE SHAFT		1			
URC165D	SPACER	2	2	2	2	2
URC166D	PULLEY 170/2B	1	1	1	1	1
URC178ZD	LEFT SIDE PLUG	1	1	1	1	1
URC185VD	HOOD SUPPORT	1	1	1	1	1
URC280VD	SHAFT JOINT	1	1	1	1	1
URC281D	PULLEY 120/2B	1	1	1	1	1
URC286VD	TIE ROD ROLLER	1	1	1	1	1
URC293AVD	SHAFT SEMI CARTER	1				
URC293BVD	SHAFT SEMI CARTER			1		
URC293CVD	SHAFT SEMI CARTER				1	1
URC293DVD	SHAFT SEMI CARTER		1			
URC296VD	HOOD	1	1	1	1	1
URC297D	TIE ROD SCREW	1	1	1	1	1
URC301VD	MULTIPLIER SUPPORT	2	2	2	2	2
URC302VD	TIE ROD	2	2	2	4	4
URC303VD	HITCH	2	2	2	2	2

URC304VD	TIE ROD BUSH	1	1	1		
URC312VD	HITCH	2	2	2	4	4
URC313AVD	SEMI CARTER	1				
URC313BVD	SEMI CARTER			1		
URC313CVD	SEMI CARTER				1	1
URC313DVD	SEMI CARTER		1			
URC401D	SPATULA	12	16	16	20	24
URC405D	BLADE	24	32	32	40	48
URC411D	BLADE SPACER	48	64	64	80	96
URC419D	HAMMER	12	16	16	20	24
URC824SD	OIL SEAL PLATE	1	1	1	1	1

\* If the machine is equipped with blades, the number is doubled

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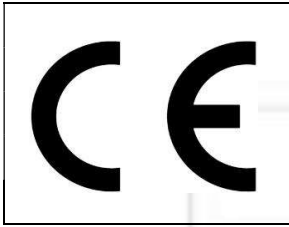












Dichiarazione CE di conformità ai sensi della Direttiva Macchine 2006/42/CE

CE declaration of conformity under the Machinery Directive 2006/42/CE

Déclaration CE de conformité conforme à la Directive Machine 2006/42/CE

Eg konformitätserklärung im Sinne der Eg Vorschrift Maschine 2006/42/CE

Declaración CE de conformidad según la Directiva Máquinas 2006/42/CE

**D E L M O R I N O S. R. L.**

**- Via Caroni di Sotto n. 19 -**

**- 52033 CAPRESE MICHELANGELO (AREZZO) ITALIA -**

Dichiara sotto la propria responsabilità che la macchina "TRINCIA" è conforme ai requisiti di sicurezza e di tutela della salute di cui alla "Direttiva Macchine 2006/42/CE".

Per la verifica delle conformità alla direttiva sopramenzionata sono state consultate le norme armonizzate **UNI EN ISO 12100:2010; 13857:2008; 4524-1:2010; 4254-12:2010.**

Declare under Its own responsibility that the machine "FLAIL MOWER" complies with the safety and health protection requirements of "Machinery Directive 2006/42/CE".

To verify the conformity to the above-mentioned directive, the harmonized standards **UNI EN ISO 12100:2010; 13857:2008; 4524-1:2010; 4254-12:2010** have been consulted.

Déclare sous sa responsabilité que la machine "BROYEUR" est conforme aux prescriptions en matière de sécurité et de santé stipulées dans la "Directive Machine 2006/42/CE".

Pour le contrôle des conformités des directive citées ont été consultées les règles unifiées **UNI EN ISO 12100:2010; 13857:2008; 4524-1:2010; 4254-12:2010.**

Erklärt hiermit in eigener Verantwortung dass die Maschine "SCHLEGELMULCHER" die Schutzanforderungen und den Gesundheitsschutz, "gemäß der 2006/42/CE einhält".

Für Überprüfung der Konformität der oben genannten Vorschriften wurden Vorschriften **UNI EN ISO 12100:2010; 13857:2008; 4524-1:2010; 4254-12:2010** konsultiert.

Declara bajo su propia responsabilidad que la máquina: "TRITURADORA" cumple con los requisitos de seguridad y protección de la "Directiva Máquinas 2006/42/CE".

Para la verificación del cumplimiento de la directiva antes mencionada, se consultaron las normas armonizadas **UNI EN ISO 12100:2010; 13857:2008; 4524-1:2010; 4254-12:2010.**

**TRINCIA - FLAIL MOWER - BROYEUR - SCHLEGELMULCHER - TRITURADORA**

TYPE	MODEL							
	CENTURION C	CENTURION M						
106								
106H								
132								
132H								
158								
158H								
186								
186H								

Matr. n°: \_\_\_\_\_ Caprese Michelangelo li : \_\_\_\_\_

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