

MAJAR

USER AND SERVICE INSTRUCTION MANUAL

SPARE PART LIST



EMBANKMENT MOWER

RBML – RBRM

115AC–130AC–155AC



10/2018

Please read the following instructions carefully before operating the machine and refer to them as needed. If you do not understand a part of the user manual, please contact your MAJAR reseller or:

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FRANCE
Phone 0033 / 4 68 25 38 16

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FOREWORD

Please read this user manual and the manual delivered with the cardan before operating your machine, the information allow you ensure quality work in complete safety. If the manual is not clear enough, please contact our technical service.

The security depends on the use of the machine with the limitations explained in this manual.

You have to know and to follow the safety regulations of this manual and of the tractor manual.

The machine you bought was carefully designed and manufactured in order to give you complete satisfaction.

As any mechanical gear, it requires cleaning and maintenance. Lubricate as described. Follow the regulations and safety information given in this manual and on the security stickers of the machine and the tractor.

For maintenance your MAJAR reseller has the competency and the original pieces to respond your needs.

Enter below model and serial number of your machine for reference.

MODEL :

SERIAL N°:

In line with the goals of continuous improvement MAJAR reserves the right to change the machines without changing the sold machines. The illustrations and characteristics of this manual may vary slightly on your due to production changes.

No part of this manual may be reproduced, copied or made public by whatever means without authorization of MAJAR.

Throughout the manual the terms “left” “right”, “front” “rear/back” are given referring to the driver’s position. The term IMPORTANT is used to indicate that a failure may cause damages for the machine. The terms WARNING and DANGER are used with safety alert symbols to indicate the degree of safety hazard.



This symbol means: attention, be careful, your safety is involved. It reminds the safety instructions or focuses your attention to dangerous practices which may cause injury or operational occurrence.



WARNING reminds the safety regulations: may cause injury if not observed






DANGER reminds the safety regulations: may cause irreparable, lasting injury or cause death if the good precautions are not taken.

GENERALES EMPLOYMENT ISSUES

Model RBML-AC : embankment mower with Y knives for gras and light vegetation, can be equipped with paddles for mowing or hammers for mincing of thick residu.

This model is adapted to micro tractors for maintenance work with low intensity.

TECHNICAL DATA

Reference	Recom power HP	Work-ing width cm	PTO speed Tr/min				Weight Kg
				Nombre de couteaux			
RBML115AC	20/35	115	540*	40	20	20	220
RBML130AC	20/45	130	540*	44	22	22	230
RBML155AC	25/45	155	540*	52	26	26	250
RBRM115AC	25/50	115	540*	40	20	20	230
RBRM130AC	25/60	130	540*	44	22	22	240
RBRM155AC	30/60	155	540*	52	26	26	255

* Rotation direction of joint shaft of the tractor: clockwise when standing in front of tractor output shaft
Gearbox with freewheel - Transmission with 2 or 3 belts – rotor speed: 2500 tr/mn.

Montage on 3 point rear linkage n°1 – power grip *ASAE 1 3/8" - 6 splines*

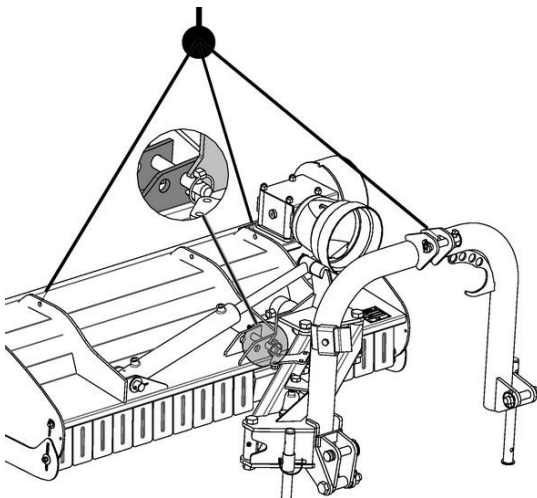
Option : *Transmission à cardan homocinétique OTH*

Airborne-noise and vibrations: the sound pressure level on the driver position is inferior to 70dB(A). The vibrations transmitted to the driver of the tractor are insignificant.

HANDLING OF THE MACHINE

Block the tilting pivot with the pin and fold the hitch inwards before any handling operation. Use the shackles to fix in the holes of the chassis and lift with 3 chains.

Take note of the weight indications on the data table to use the appropriate lifting means.



WARNING

The operator who carries out the lifting operations of the machine must be competent to use devices for mechanical/electric lifts (bridge crane, forklifts, cranes,). He must be formed also for the use of individual protective equipment and et liftign and transport modes to ensure the safety of other persons, animals or further.

LISTE DES VERIFICATIONS

The assembly, installation and commissioning of the machine is the MAJAR reseller's responsibility. Please read carefully the use and care manual and the safety regulations. Make sure that the indicated points of the checklist had been verified before delivery and on delivery and amended if necessary before delivering the machine to the owner.

INSPECTIONS BEFORE DELIVERY

- Check that all the safety screens, grids and safety measures are in place and in good condition
- Check that all screws and bolts are tightened to the right torque value (see table)
- Make sure that the safety stickers are in place and in good condition
- Check the oil level in the angular gearbox (recommended oil 80w90, GL4 or 5).
- Check the other lubrication points, apply new grease if necessary
- Check that the machine is operating correctly
- Check transmission status.

VERIFICATIONS AT DELIVERY

- Show the client how to mount the machine and how to realize the tool adjustments
- Explain the importance of lubrication and show him the lubrication points
- Show him les safety devices, safety measures and options
- Present the use and instruction manual to the client as well as the specific cardan manual, ask to read it.
- Explain to the client to use the adequate signage when driving on the road.

SAFETY REGULATIONS

WARNING

Some illustrations may show the machine without protective screen or shield. Never use the machine without these devices.

- *Learn how to stop the machine in emergency situation. Read this manual and the tractor manual*
- *Never let anyone else use this machine if the person did not read and understand this manual*
- *It is absolutely forbidden to transport persons or animals on the machine*
- *Never let children use this machine*
- *Always wear protective equipment for head, ears, hands and feet using this machine*
- *Stay away from the rotor when the machine is in use.*
- *Always wear close-fitting clothing to avoid to be snatched by the moving parts or to hang on*
- *Clean the worksite from branches, stones or debris which may be projected and cause injury or damage*
- *Always work on daylight or with good artificial light*
- *Make sure that the safety stickers are in place and in good condition*
- *Clean the grass and debris accumulations*
- *Make sure that the machine is in good working condition before using it.*
- *Make sure that all the safety screens, grids and safety measures are in place and in good condition*
- *Do not use the machine in areas where you cannot keep safety distance from the persons or animals to avoid projection injury*
- *If the tractor has a ROPS Roll Over Protective Structure, fasten your seat belt*
- *Make sure that nobody or anything is behind you while backing off*
- *Do not start or stop the engine abruptly on slopes*
- *Do not use the machine on too big slopes*
- *Reduce speed on slopes to avoid a loss of control*
- *Be careful while driving along embankments or ditches*
- *Pay attention to the holes or other area accidents on undulating terrains*
- *Stop the machine before crossing roads, pathways or ways with gravel.*
- *Disengage the power grip, stop the motor, apply the handbrake and remove the key before all settings, adjustments, maintenance or disassembly*
- *Never let anyone else to the driver's cab during adjustment interventions, maintenance or disassembly of the machine*
- *Check periodically tightening torques of all fasteners*
- *While maneuvering on slope always work up and down, never across the slope.*
- *Place the wheels according to the setting increase stability of the tractor.*
- *Avoid unstable embankments, rocks and holes; this can be dangerous when moving*
- *Avoid aerial cables, high-voltage lines and obstacles. Contact with power lines causes electrocution and death.*
- *Activate all the safety equipment*
- *Only operate the control panel when you are correctly seated in front*
- *Check visually hydraulic leaks and missing or faulty parts. Repair when necessary before every manoeuvre*
- *Check with the competent authorities that the linkage complies with the national legislation when driving on roads.*

SAFETY STICKERS

WARNING

It is strictly forbidden to remove the safety stickers and symbols specifying danger. Missing or damaged stickers must be replaced immediately. Contact your MAJAR reseller. The information illustrated by these symbols must be necessarily respected. The noncompliance with these rules may cause death or serious injuries.

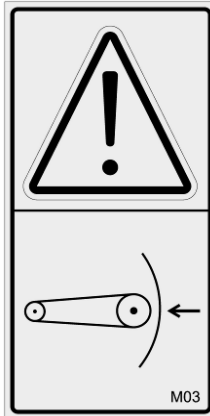
1



ATTENTION

Stop the tractor and remove the key before adjustment or maintenance operation
Read carefully the manual before operating the machine.
Check the power grip speed and direction of rotation before setting up the drive shaft.

2



ATTENTION

Transmission, moving parts, do not remove the guard.

3



ATTENTION

Move away from the machine. Danger of thrown objects.
Moving parts, risk of hand injuries, risk of foot injuries.

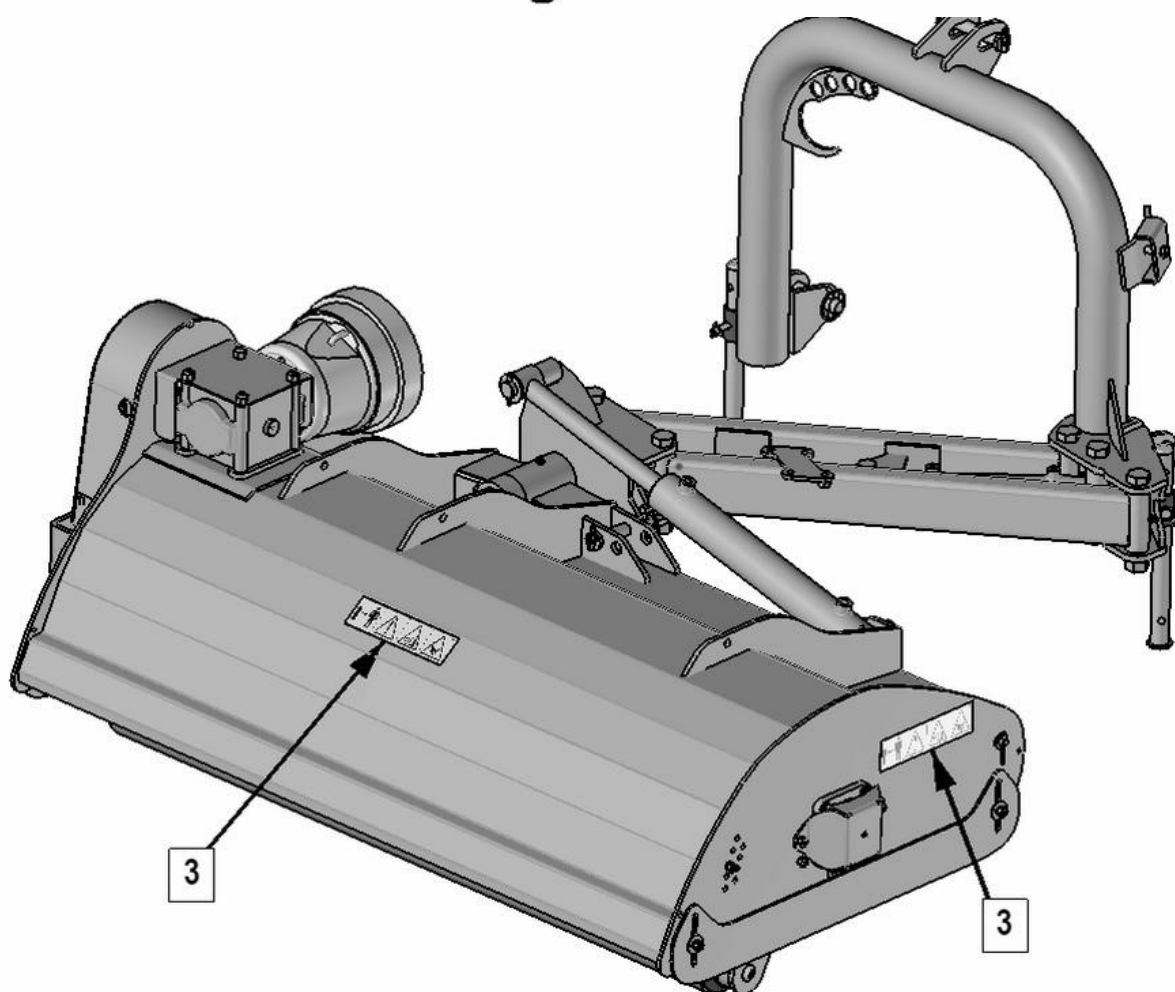
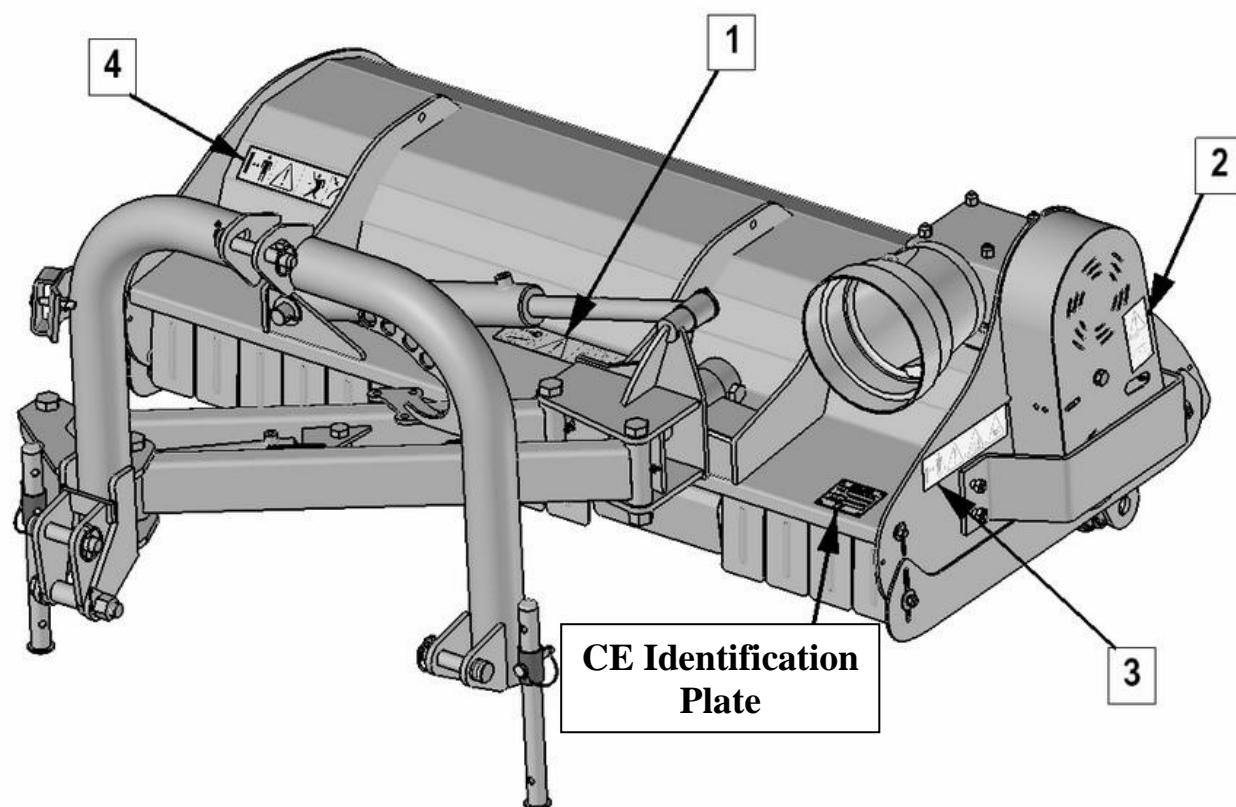
4



ATTENTION

Move away from the machine. Danger of ejected objects.
Keep all safety devices in place during operation

EMPLACEMENT OF THE SAFETY STICKERS AND THE IDENTIFICATION PLATE

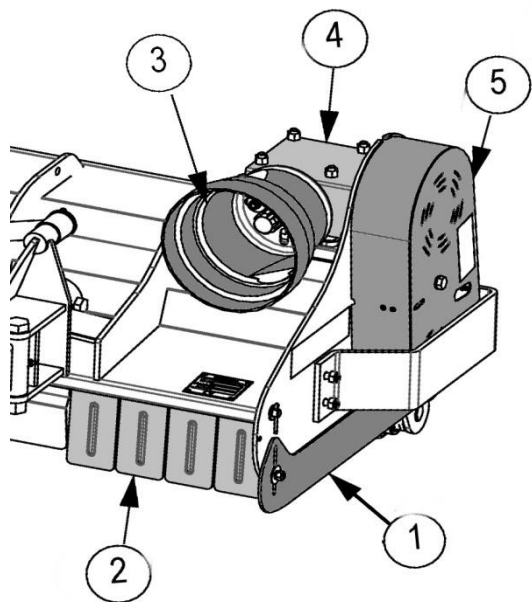


PROTECTION DEVICE AGAINST THE RISKS CAUSED BY MOVING PARTS



DANGER

It is absolutely forbidden to use the machine without protection devices against work accidents. The protection devices must be maintained in good operating conditions and immediately replaced if damaged. Only use original MAJAR spare part pieces

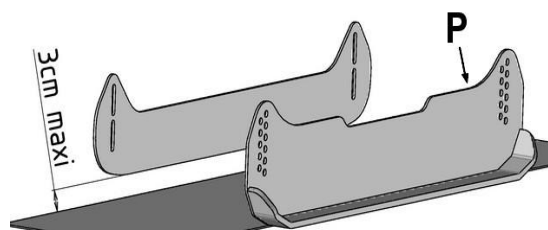


1 – Lateral Protections:

The machine has two lateral protections fixed on the two sides of the chassis. The height is adjusted to avoid accidental contact between the operator and the moving tools.

These protections must be adjusted based on the chosen cutting height, so that the distance between soil and protection **does not exceed 3 cm**.

The protections can be replaced by optional slides (« P »).



2 – Front protection strips anti-spatter (Fig.2):

The machine has protection strips made of steel to avoid the projection of objects like pebbles, wood pieces...
. **Make sure before each use that the strips pivot freely on the fixation axle.**

3 – Drive shaft protection:

The gearbox has a protection limiting access to moving pieces of transmission. Please refer to the separate instructions of cardan shaft for adjustment and fixation of protections.

4 – Lateral drive shaft protection:

5 – Drive belt protection:

Rear protection:

The rear roller for cutting height adjustment is also a protection. Do not use the machine without the roller.

INSTALLATION AND COMMISSIONING

The installation and commissioning of the tool are the responsibility of the MAJAR reseller. The rotary slasher must be delivered fully mounted, lubricated and adjusted to the normal operating conditions.



DANGER Make sure that the characteristics of the tractor are adapted for the machine, particularly the power, lift capacity, linkage type, speed and rotation direction of the power grip. Please read this notice, the cardan manual the tractor notice completely prior to use.



WARNING Always wear safety footwear, protection equipment for eyes, ears and hands when climbing onto the machine. Do not allow anyone to sit on the driving position when mounting the machine.

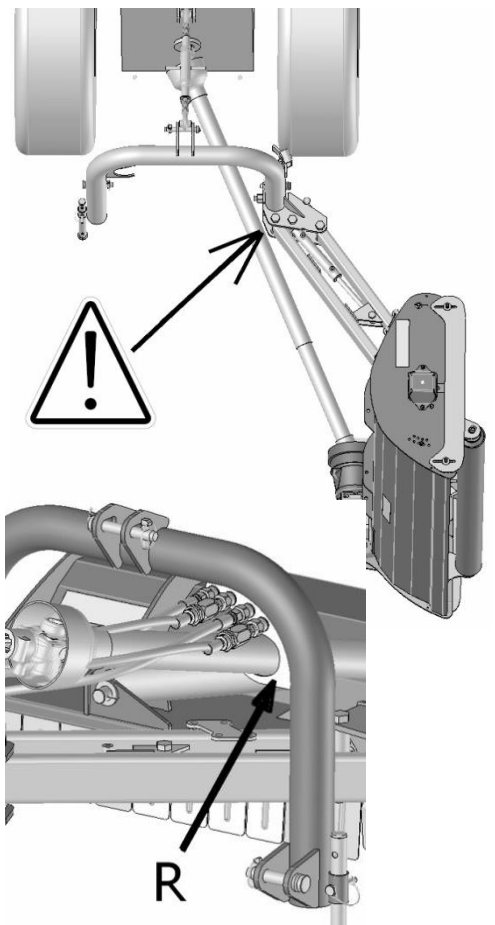
COUPLING OF THE MACHINE

- Remove the 2 lower axles and the upper axle of the coupling.
- Move back the tractor until the lower arms are at a few cm of each side of the linkage axles.
- Stop the engine, shift the transmission to neutral, apply the handbrake and remove the key.
- Couple the lower axles and the 3° point rod.
- Secure the axles with pins.
- Place the cardan transmission.
(see paragraph « **cardan shaft setting up** »).
- Adjust the axle tensioners of the tractor so that the transversal articulation is about 4 cm.
- **Adjust the rod length of the 3° point so that the output of the pto shaft is parallel to the ground.**
- Lift the machine, mount the 2 stands and secure with pins.
- Connect 2 by 2 the hoses on the two hydraulic distributors (**adjust the cylinder speed as explained in chapter « Adjustment »**)
- Unlock the pivot pin. (**chapter « Adjustment »**)



AVERTISSEMENT ▪ Without switching on the power grip, control in all extrem positions that the passage of the transmission is free and check also that the connection length is respected.

Check particularly that the transmission is not getting in touch with the coupling while machine in on maximal offset and the cutting deck is vertical. Use the tensioner adjustment of the coupling axles for the offset on the right side.



UNCOUPLING OF THE MACHINE



WARNING The machine must be stored in an area sheltered from bad weather on a firm and level ground. Do not put the output shaft of the flail mower on the floor.

Proceed in vice versa order.

Disconnect the transmission and hoses on tractor side and put on support « R » on the coupling to maintain off the ground.

• CARDAN SHAFT SETTING UP

DANGER More detailed information in the specific manual of the cardan which is an initial part of the safety documentation to read carefully. In the event of a discrepancy with the following, follow the instructions given in the specific manual of the du cardan. The cardan must have CE marking.

! **WARNING** The safety devices (Freewheel, friction torque clutch ...) must be imperatively placed nearby the machine.

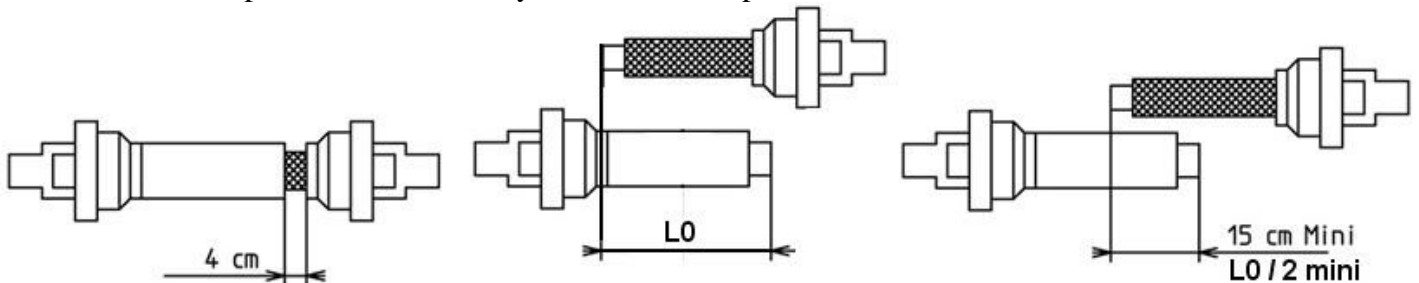
Adjust the length of the transmission :

Make sure that the transmission is in the shortest linkage position and the remaining travel must be about 4 cm. Cut the drive shaft if necessary, cut the protectors about 0.5 cm to facilitate the assembly.

Cardan disassembled and fully input, determine the length « L0 » of the tubes. With the machine on the tractor, make sure that the transmission is at the longest linkage position, the remaining travel must be 15 cm and at least half of « L0 » in this position.

Lubricate the tube sliding before assembly.

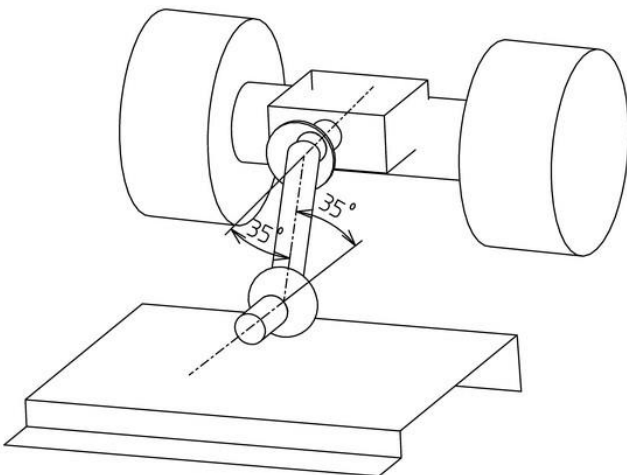
These operations are normally detailed in the specific cardan manual.



Setting up the transmission :

Connect the transmission to tracteur, check the locking device is locked in the shaft. Connect in the same way the tractor and check that both ends of the cardan are locked. Attach the protectors of the transmission on the tractor and tool so that they will not turn with the transmission.

! **Check that no parts of the mower deck or the tractor get in contact with the transmission when lifting the machine. Check that you do not reach the maximum angle of the transmission.**



NEVER EXCEED THE MAXIMUM ANGLE OF THE TRANSMISSION

ADJUSTMENT AND USE



Check the tightening of the bolts; see table tightening torque at the end of the manual. Check the presence and fixation of safety equipment (carter, bol ...).

The safety is a challenge that concerns the most while designing and manufacturing this tool. However, the efforts of the constructor may be shattered due to user carelessness. The accident prevention depends on prudence and training of staff in charge of using and maintenance of the machine. The best safety device is a careful and informed user; we ask you to be this user.

The user of this machine is responsible for the use and safety. The user has to be qualified and trained to the machine and he also has to know the tractor. Read all the safety instructions.



WARNING

Never use the machine without having done the operations described in chapter « daily maintenance ».

This machine is designed to cut lawn. It is not designed to be hitched to inappropriate power and weight engines, to work on excessively pebbly ground, to cut hard objects, stones, garbage. It should not be used to transport persons or material.



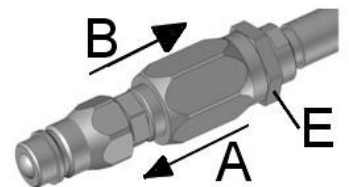
DANGER

The following operations must be only and exclusively done when the engine switched off, handbrake applied. If necessary lift the machine, place the supports to prevent from falling or failure of the lifting of the tractor.

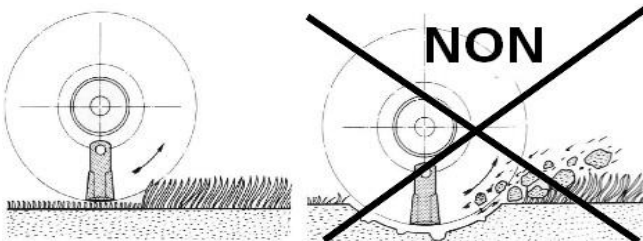
• REGLAGE DE LA VITESSE DE SORTIE DES VERINS HYDRAULIQUES:

Il est impératif de régler les 2 limiteurs de débit afin d'obtenir une vitesse de départ modérée. Une vitesse trop rapide des vérins entraîne un danger pour l'utilisateur et une détérioration de la machine.

Desserrer le contre écrou « E », puis Visser la bague sens « B » pour augmenter le débit ou dévisser la bague sens « A » pour diminuer le débit.



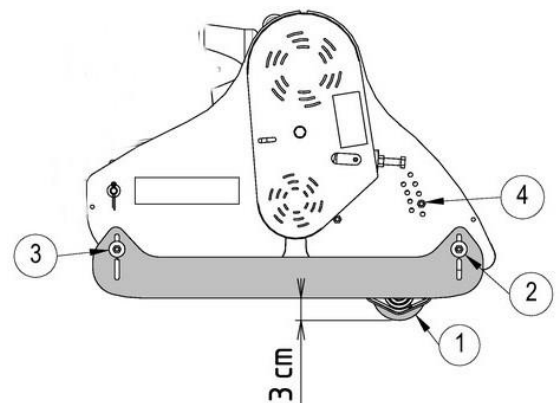
• ADJUSTMENT OF CUTTING DEPTH



The cutting height must be adjusted depending on the desired result. A good setting means power and fuel saving and reduces machine wear.

To adjust the working height, change rear roller position « 1 »:

- Remove the 2 screws « 4 ».
- Position the roller at the desired height and replace and lock the screws « 4 ».
- Remove the screws « 2 » and « 3 », adjust the deflector height at 2 - 3 cm from the ground and lock the screws.



- **USE:**



WARNING

Always wear close-fitting clothing to avoid to be snatched by the moving parts. Use safety footwear and protective equipment for eyes, ears and protection from the dust.

Do not start the machine when lifted. Lower on the ground and lift a few centimeters before connecting power grip with the motor idling. Lower the machine in work position. Increase the engine speed until the nominal speed indicated on the dashboard of the tractor.

The recommended working speed is between 5 and 10 km/h. It depends on the height and the nature of the cutted grass.

Be careful while turning on the overhang of the machine. Likewise while working, compensate the offset of the machine actuating on the offset cylinder, when you change direction.

Be careful when you stop the power grip: the gearbox is equipped with a free wheel and the rotor continues to turn during a few seconds after stopping the transmission.

The offset of the machine changes the centre of gravity of the tractor. When you use the machine or when you manoeuvre in slopes, put the machine in aligning the tractor.

When you work on embankments or ditches, adjust at best the tilt of the machine to reduce the efforts on articulations.


When you work with the cutting deck vertically, be particularly careful with projections and persons present in an important security perimeter.



DANGER


Be careful about the abnormal vibrations or noise during use. The rotation speed is very high and each rotor is equipped with knives after montage. Any deterioration or loss of knives will lead to an imbalance of the rotor and cause vibrations, a quick deterioration of the machine and danger to people. Stop the engine immediately.

MAINTENANCE BY USER

 **DANGER** Prior to maintenance or repair work on the machine, stop the engine, apply the handbrake and remove the key. Never let anyone else to the driver's cab. If lifting the machine is necessary, place the supports to prevent falls or failure of the lifting system.


DAILY MAINTENANCE BEFORE STARTING WORK

- Check the condition and fixation of the protections of belts, cardan shaft and angular gearbox.
- Make sure that there are no leaking traces, if not contact your reseller to repair the machine.
- Clean entirely the machine from debris or dirt accumulations which qui reduce performance and can mask failure or leakage.
- Check the presence, fixation and degree of wear of the knives. They should never be twisted, damaged or worn.

 **WARNING** All knives should be fitted and in good conditions to avoid imbalance on the rotor which could cause vibrations and rapid deterioration of the device. Damaged or twisted knives reduce performances, need more power and can worsen the transmission system and the chassis.

INITIAL USE


- After 2 hours of use, control tightening of all fasteners.
See table Tightening torque

 Pay particular attention to the tightening of the 2 pulley hubs: Block the 2 setscrews tightening several times until the exact tightening.

- The first draining must be done after 50 hours. The next one every 500 hours.

EVERY 30 HOURS WORKED

- Control tightening of all fasteners
- Check belt tension (see paragraph « belt tension adjustment »).
- Grease wheel bearings (see paragraph « lubrication »).
- Grease the crosspieces and cardan shaft (see notice of cardan).

 Clean the grease gun and use the grease pump. Do not leave excess grease on the pieces

EVERY 100 HOURS WORKED

- Check the oil level of the angular gearbox
- Control the belts of transmission and idler pulley


EVERY 500 HEURES WORKED

- Drain the gearbox.

TIGHTENING TORQUE

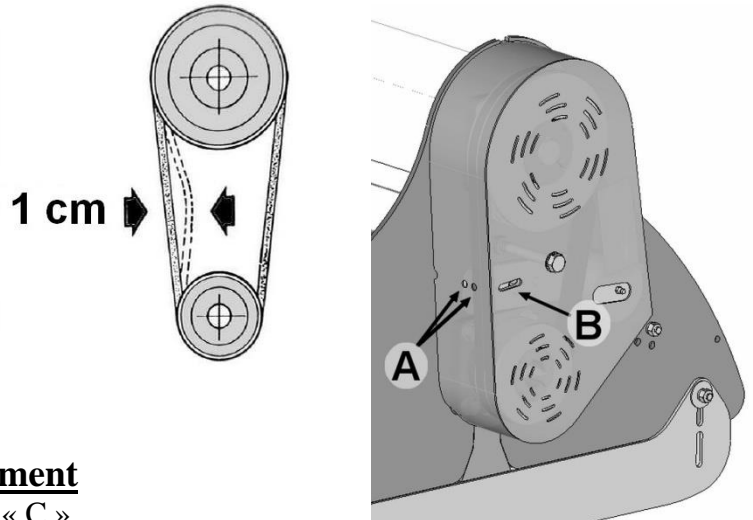
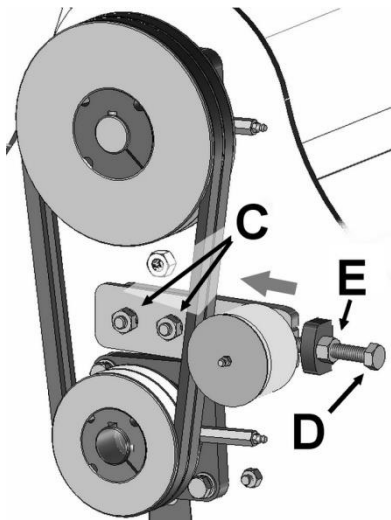
Screw diameter (mm)	Wrench size (mm)	Torque setting (daN.m)
8	13	2
10	16/17	5
12	18/19	8.5
14	21/22	13
16	24	21.5
20	30	43.5

- **BELT TENSION ADJUSTMENT**

 Before starting the machine, check and if necessary adjust belt tension. Remove cardan transmission before adjusting belt tension of transmission.

Check tension


Press the belts introducing a screwdriver through the openings A » and check the offset with the light « B ».




Tension adjustment

Release the 2 nuts « C ».
Loosen the nut « E » maintaining the screw « D ».
Push the tensioning arm screwing « D ».
Block tight the nuts « C » and « E ».

- **LUBRICATION AND GREASE**

 **WARNING** Do not throw away in natural environment: waste oil, mineral grease and cloths , dusters or paper impregnated with these substances. Drop them into adequate containers or send them to collection centres.

 **DANGER** To handle oil or mineral grease, use appropriate protections as: “CE” certified protection gloves for oil with the pictograms “CHEMICAL HAZARDS” and “MECHANICAL HAZARDS” as well as glasses to protect you from possible oil or grease spattering.

Angular gearbox:

The first draining must be done after 50 hours. The next one every 500 hours.

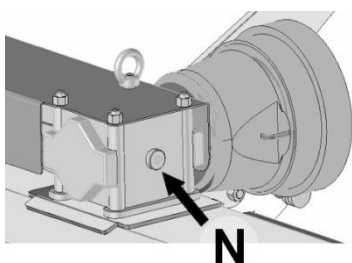
Use mineral oil (150VG150 or 80W90 or GL4 or GL5)

 **Never fill up completely the gearbox.**

Quantity of oil in gearbox: about 0.5 l

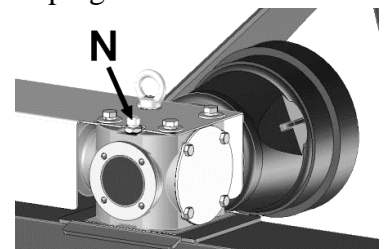
Level: When removing plug, the oil must be just below the hole.

Drainage: Lift and tip the machine with safe and adequate lifting equipment. Remove plug « N » and collect the oil. Put the machine on level ground, fill with oil up to the level and screw the plug.



Version RBML

Version RBRM



Lubrication points:

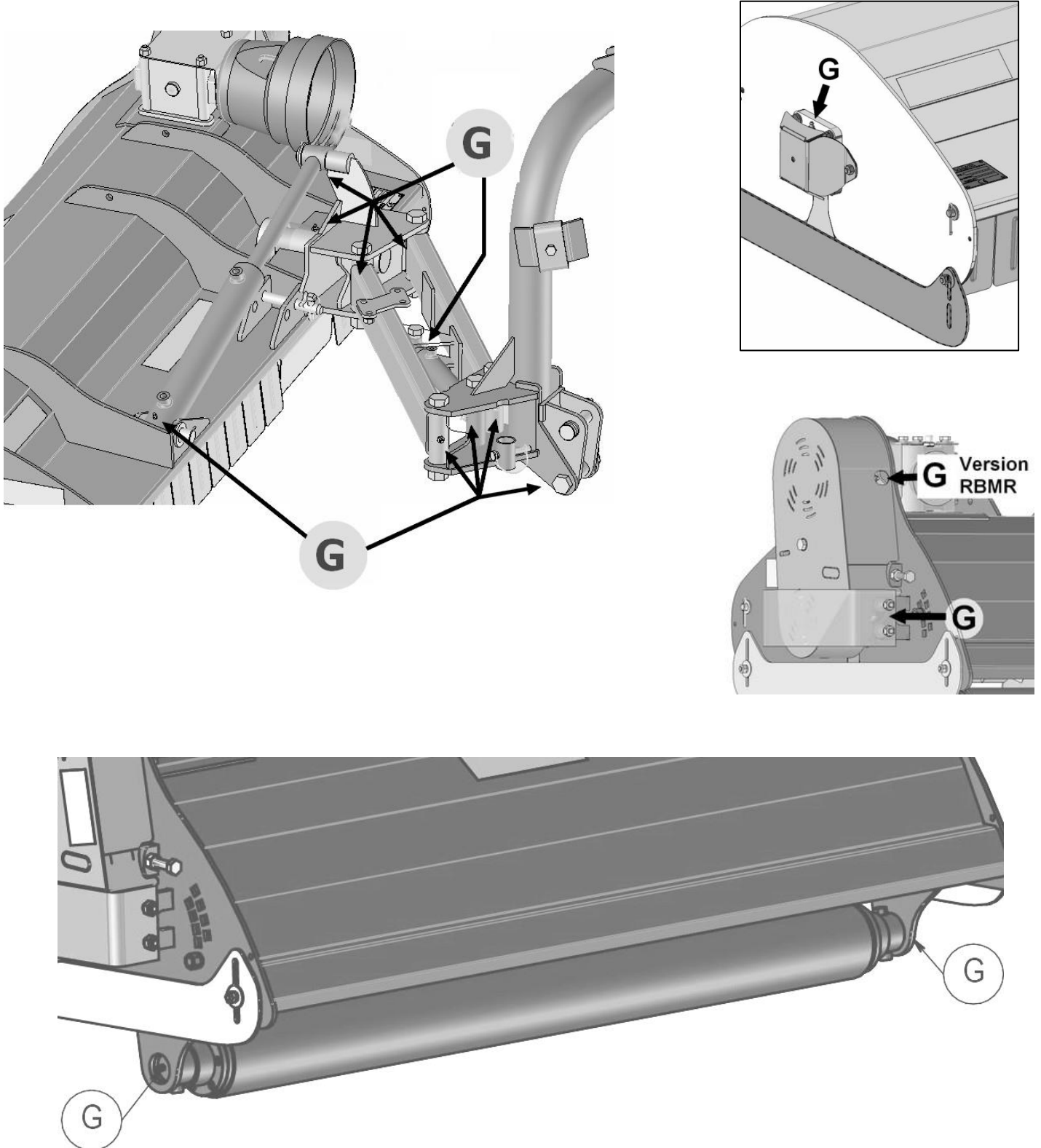
Clean meticulously the grease guns before greasing.

Grease slowly and without excessive pressure excessive to avoid damage on sealing. Use lithium grease.

See also the manual of cardan transmission for the librication points and maintenance.

Take care to grease moderately at the blet transmission.

Clean the grease in excess which could be projected on the belts ans cause skidding or deterioraion of transmission elements.



REPLACEMENT OF KNIVES



WARNING

The blades are sharp and may cause injury, always wear gloves when handling them, be careful not to cut yourself.

Couple the machine to the tractor, set down on the ground on chocks so that the blades turn free.

Stop the engine, apply the handbrake and remove the key.



DANGER

When you replace the blades, you are required to change the locknuts. Contact your MAJAR reseller to obtain original spare parts. Do not replace by other spare parts with different characteristics.

To ensure perfect functioning, a frequent control of the conditions and fixation of spacers and knives is required. If the knives are worn or damaged, replace by new parts remembering the original montage position.

Couple the machine and tractor, place it on the ground on chocks so that the rotor turns freely.

Stop the engine, apply the handbrake and remove the key. Replace the worn knives.

MALFUNCTION AND REMEDY

PROBLEM	CAUSE	REMEDY
Transmission system is noisy	The rotor bearings are worn or damaged	Have the machine controlled by reseller and replace bearings.
	The belts are worn or not bended	Have the machine controlled by reseller , bend the belts or change.
	There is not enough oil in the gearbox	Refill the gearbox as mentionend in the manual
The machine vibrates	The rotor is unbalanced	Check and change damaged knives
	Damaged bearings	Have the machine controlled by reseller
	Wrong rotation speed	Check speed and rotation direction of the power grip
	Damaged cardan shaft	Have the machine controlled by reseller
	Bolt fastening loosened	Retighten bolts
The grass has been badly cut	Forward speed too high	Reduce speed
	Working height too high	Change cutting height
	Knives worn or damaged	Check and change damaged knives
	Grass too wet	Mow when grass is dry
	Belt worn or loose	Tighten or change belt

C.E DECLARATION OF CONFORMITY

The letters **CE** on the identification plate of this machine certify that it is conforming to EC machine directive 2006/42/CE.

MAJAR SA.	
11850 CARCASSONNE TEL: 04 68 25 38 16	
TYPE :	<input type="text"/>
N°de SERIE:	<input type="text"/>
Année de construction	<input type="text"/>
CE	

The Director,
Jean-Luc Checa

GUARANTEE

Each new manufactured by MAJAR SA is guaranteed as follows below, warranted against defects of construction and assembly and/or of the materials when used appropriately during 1 year.

1° This guarantee is limited to 1 year to the replacement of pieces mounted and recognized as faulty by MAJAR.

2° All pieces requested on guarantee must be returned to MAJAR for inspection, reparation or replacement prepaid postage with proof of purchase of the machine, serial number and carefully packed for protection.

3° The machine must not be damaged, repaired or maintained without authorization from MAJAR. The machine must not have had an accident, been misused, abused or used acting not conform instructions and specifications contained in this manual

This guarantee does not oblige MAJAR or representative to reimburse labor costs or transport costs of the machine for reparation.

NO GUARANTEE WILL BE APPLIED TO THIS EXCEPT THE LEGAL WARRANTY FOR HIDDEN DEFECT.

MAJAR CANNOT BE HELD RESPONSIBLE FOR DAMAGES OR COSTS INCURRED BY THE MACHINE FOR PAR EXAMPLE:

1 RENTAL FEES FOR MATERIAL

2 LOST OF SALE

3 EXECUTION OF WORK CARRIED OUT NORMALLY BY THE MACHINE

MAJAR ASSUMES NO OBLIGATION AND DOES NOT ALLOW ANYBODY TO ASSUME ANY OTHER OBLIGATION THAN THEM IN THE 3 PREVIOUS PARAGRAPHERS.

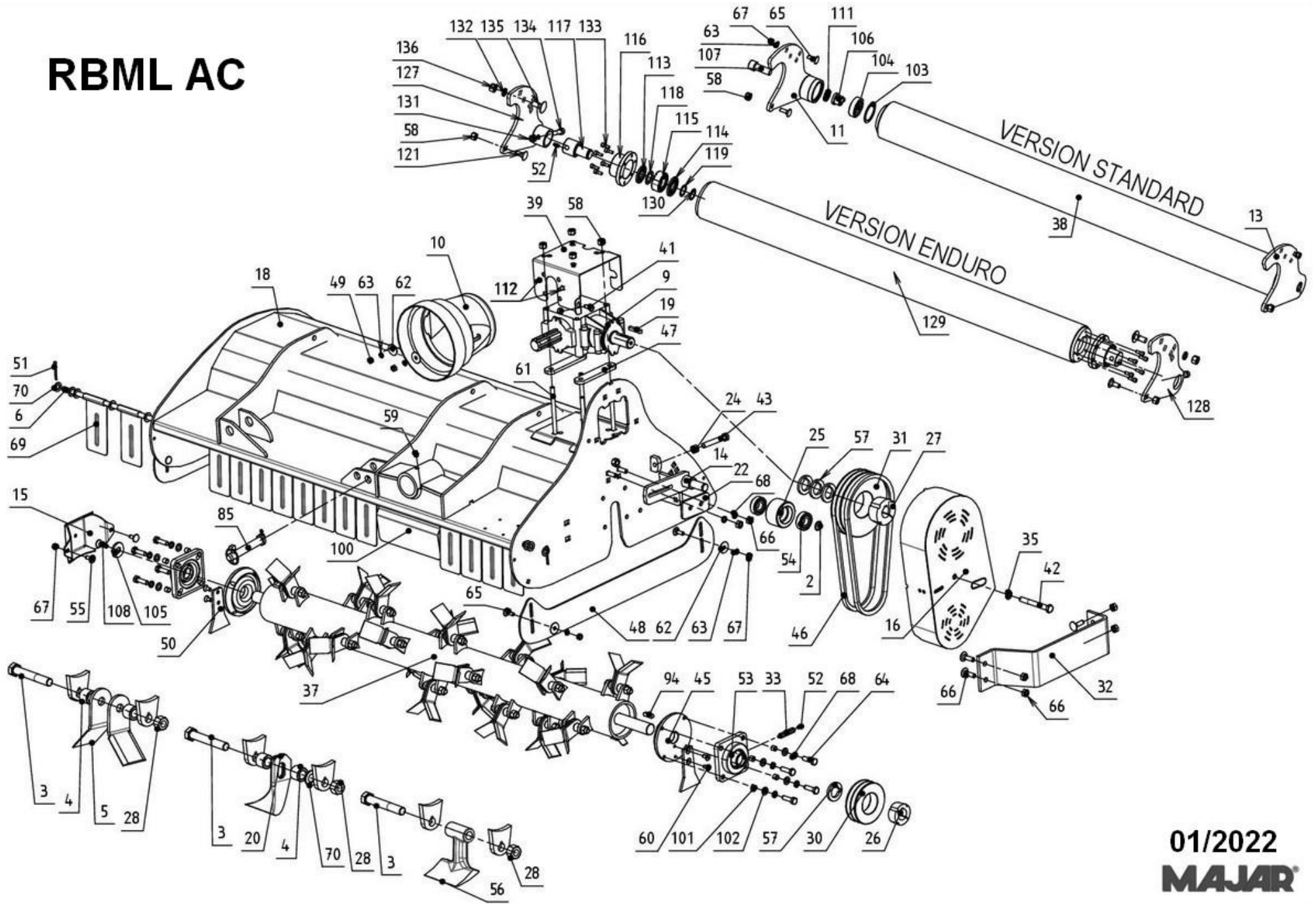
To obtain the name of resseller, contact:

**MAJAR S.A
1 Route de Montréal
CS30074
11890 CARCASSONNE Cedex 9
FRANCE**

SPARE PART LIST

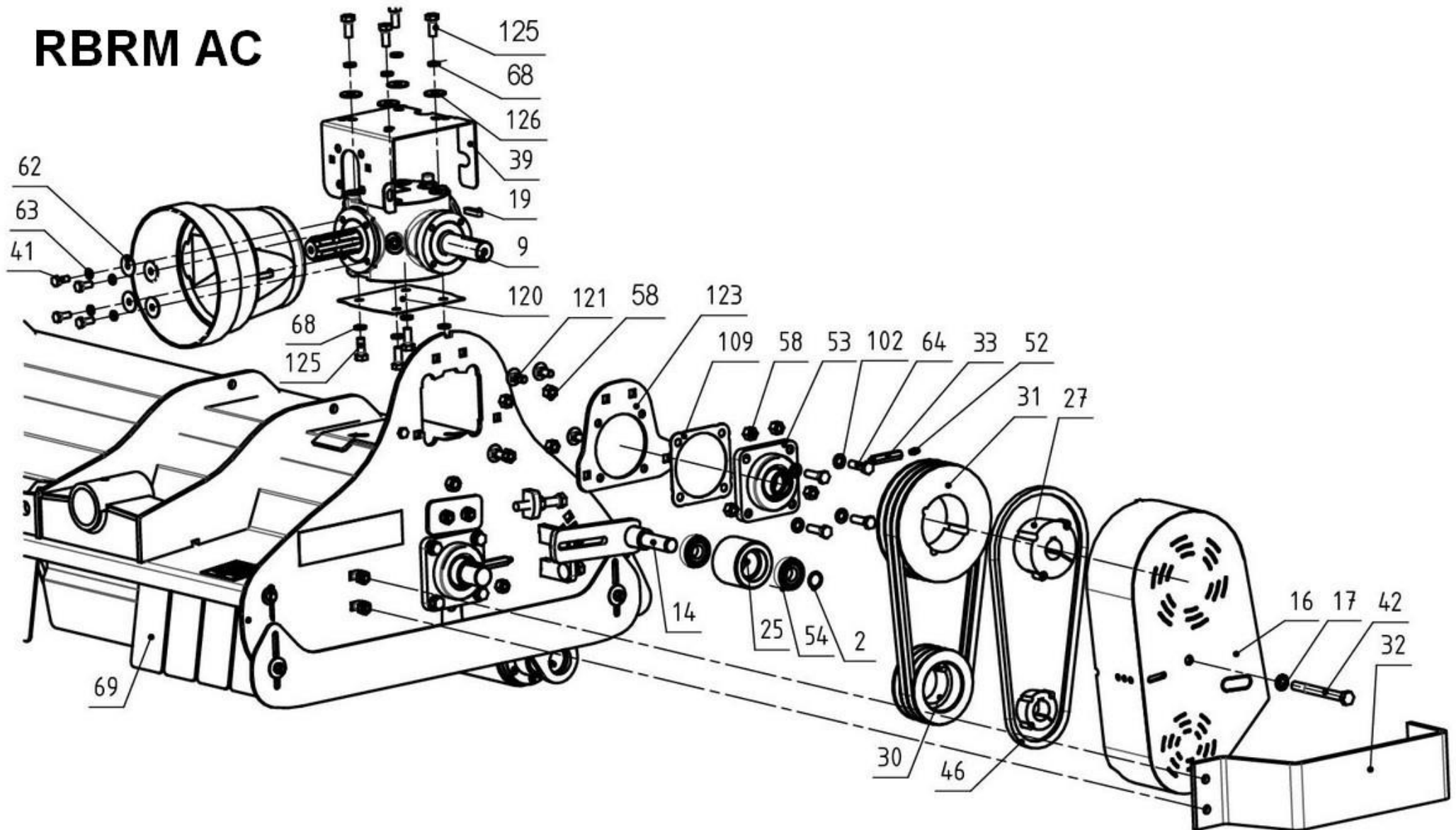
According to Article L.111-3 of the Consumer Code and of the Decree implementing the Code N°2014-1482 of 9th of December 2014, the availability duration of indispensable spare parts for use of MAJAR material is **7 years**.

RBML AC



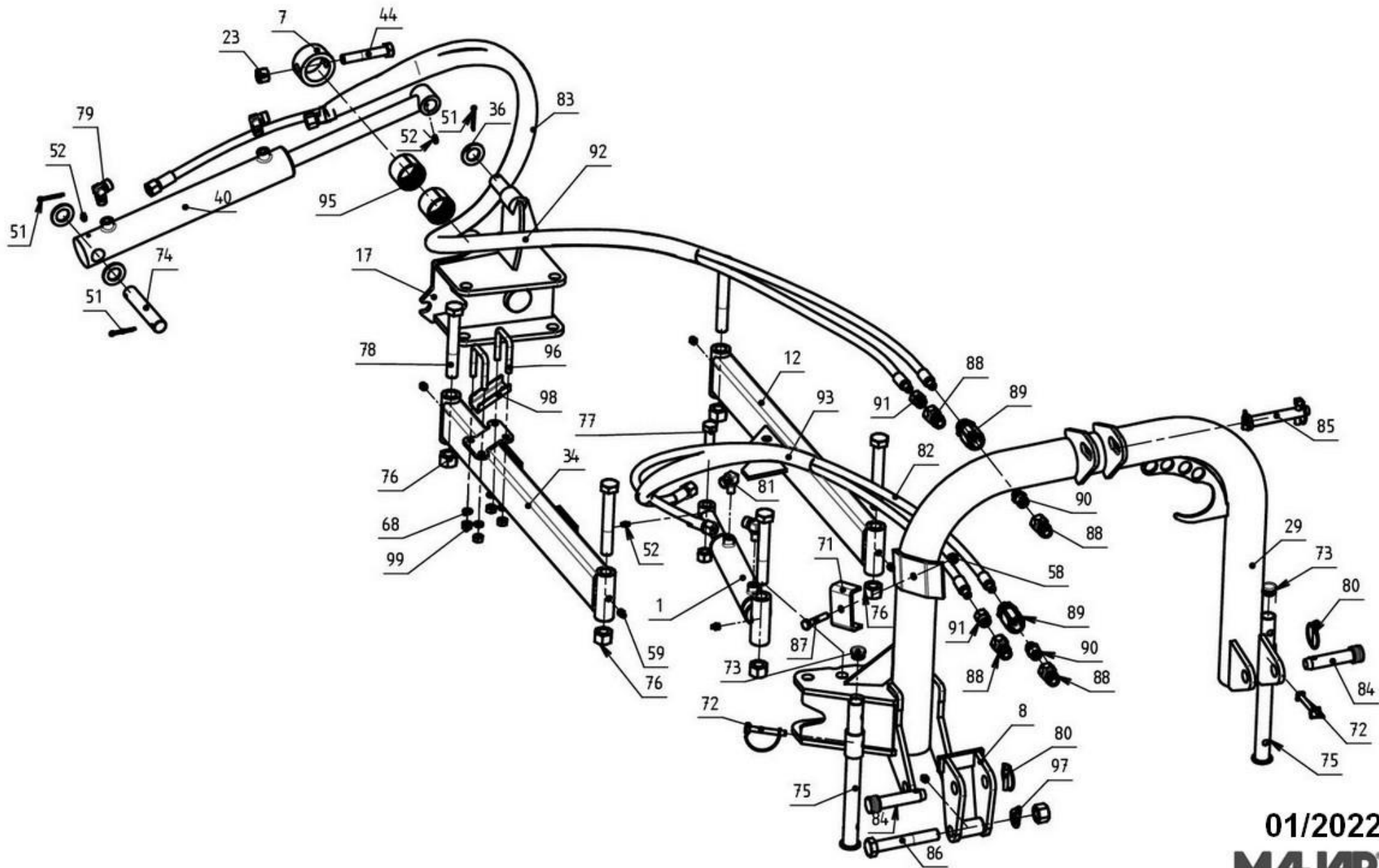
01/2022
MAJAR

RBRM AC



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01/2022



01/2022
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Rep,	Référence		RBML115AC	RBML130AC	RBML155AC	RBRM 115AC	RBRM 130AC	RBRM 155AC
1	582568	VERIN EQUIPE 25/40 C150	1	1	1	1	1	1
2	9970114	CIRCLIP E20	1	1	1	1	1	1
3	9961982	VIS H 12X80/30 - CL.10.9	20	22	26	20	22	26
4	186265	ENTRETOISE COUTEAU	40	44	52	40	44	52
5	082748	COUTEAU Y 40X5 Ø12	40	44	52	40	44	52
6	186295	AXE VOLETS RBML115	1			1		
	186296	AXE VOLETS RBML130		1			1	
	186508	AXE VOLETS RBML155			1			1
7	186370	BAGUE D ARRET ZINGUEE	1	1	1	1	1	1
8	582561	BIELLE D ATTELAGE	1	1	1	1	1	1
9	082754	BOITIER T281J-R=1:2.91	1	1	1			
	082808	BOITIER WG20#28 R=1:2.87 RL				1	1	1
10	082714	BOL DE PROTECTION	1	1	1	1	1	1
11	582580	BRAS DROIT RBMLAC	1	1	1	1	1	1
12	582562	BRAS DE VERIN	1	1	1	1	1	1
13	582581	BRAS GAUCHE RBMLAC	1	1	1	1	1	1
14	582548	BRAS SUPPORT GALET RBML	1	1	1			
	582628	BRAS SUPPORT GALET RBRM				1	1	1
15	186315	CACHE ROULEMENT EXT.	1	1	1	1	1	1
16	582556	CARTER COURROIES RBML	1	1	1			
	582629	CARTER COURROIES RBRM				1	1	1
17	582564	CHAPE DE LIAISON	1	1	1	1	1	1
18	582566	CHASSIS RBML115AC	1			1		
	582567	CHASSIS RBML130AC		1			1	
	582610	CHASSIS RBML155AC			1			1
19	082711	CLAVETTE 8 X 7 LG.36				1	1	1
	082752	CLAVETTE 8 X 7 LG.45	1	1	1			
20	082749	PALETTE TONDEUSE	20	22	26	20	22	26
22	186311	PLATINE SERRAGE TENDEUR	1	1	1	1	1	1
23	9900546	ECROU FREIN H M16	2	2	2	2	2	2
24	9900215	ECROU H M12	1	1	1	1	1	1
25	186266	GALET RBML	1	1	1			
	186611	GALET RBRM				1	1	1
26	082756	MOYEU 1610 Ø30	1	1	1	1	1	1
27	082755	MOYEU 2012 Ø30	1	1	1			
	082809	MOYEU 2517 - Ø30				1	1	1
28	9900542	ECROU FREIN H M12	20	22	26	20	22	26
29	582571	POTENCE RBML AC	1	1	1	1	1	1
30	082759	POULIE FONTE 2A DIAM.106	1	1	1			
	082811	POULIE FONTE 3A DIAM106				1	1	1
31	082758	POULIE FONTE 2A DIAM.170	1	1	1			
	082810	POULIE FONTE 3A DIAM170				1	1	1

Rep,	Référence		RBML115AC	RBML130AC	RBML155AC	RBRM 115AC	RBRM 130AC	RBRM 155AC
32	186371	PROTECTION LATERALE RBML	1	1	1			
	186618	PROTECTION LATERALE RBRM				1	1	1
33	186270	RALLONGE GRAISSEUR M6x50	1	1	1	2	2	2
34	582563	BRAS GAUCHE	1	1	1	1	1	1
35	9908050	RONDELLE CONTACT Ø12	1	1	1	1	1	1
36	9908025	RONDELLE MN Ø24	3	3	3	3	3	3
37	582544	ROTOR RBML115	1			1		
	582545	ROTOR RBML130		1			1	
	582605	ROTOR RBML155			1			1
38	582577	ROULEAU AR RBMLAC 115	1			1		
	582578	ROULEAU AR RBMLAC 130		1			1	
	582611	ROULEAU AR RBMLAC 155			1			1
39	186378	TOLE PROTECTION RBMLAC	1	1	1	1	1	1
40	075311	VERIN D.E. Ø30 C300	1	1	1	1	1	1
41	9962001	VIS H 8X20/20	1	1	1	5	5	5
42	9961911	VIS H 12X100/30	1	1	1			
	9961980	VIS H 12X120/30				1	1	1
43	9961981	VIS H 12X80/80	1	1	1	1	1	1
44	9961939	VIS H 16X90/38	1	1	1	1	1	1
45	186297	COUPELLE ANTI-BOURRAGE	2	2	2	2	2	2
46	082751	COURROIE	2	2	2	3	3	3
47	186317	CALE BOITIER RBML	2	2	2			
48	186298	DEFLECTEUR LATERAL	2	2	2	2	2	2
49	9900208	ECROU H M8	2	2	2			
50	186314	FERMETURE COTÉ	2	2	2	2	2	2
51	9907005	GOUPILLE V 4/45	5	5	5	5	5	5
52	9907210	GRAISSEUR DROIT M 6X100	7	7	7	9	9	9
53	082757	PALIER SF30 4Ø	2	2	2	3	3	3
54	082785	ROULEMENT 6204 DDG	2	2	2	2	2	2
55	9960707	VIS TETE BOMBÉE CC Ø8x20	2	2	2	2	2	2
56	082767	MARTEAU Ø12.5	20	22	26	20	22	26
57	186299	CALE POULIE D30 X 6	4	4	4			
58	9900504	ECROU FREIN A EMBASE M10	7	7	7	11	11	11
59	9907201	GRAISSEUR DROIT M10X100	7	7	7	7	7	7
60	9960618	VIS TETE FRAISEE M8x16 CL10.9	4	4	4	4	4	4
61	9960708	VIS TETE CC Ø10x140/32	4	4	4			
62	9908009	RONDELLE d=8 EXTRA LARGE	6	6	6	8	8	8
63	9908073	RONDELLE W 0 8	4	4	4	6	6	6
64	9962004	VIS H 10X35/35	8	8	8	12	12	12
65	9960706	VIS TETE BOMBÉE CC Ø8x25	4	4	4	4	4	4
66	9960700	VIS TETE BOMBÉE CC 10x35	6	6	6	6	6	6
67	9900507	ECROU FREIN A EMBASE M8	7	7	7	7	7	7
68	9908074	RONDELLE W 0 10	16	16	16	24	24	24

Rep,	Référence		RBML115AC	RBML130AC	RBML155AC	RBRM 115AC	RBRM 130AC	RBRM 155AC
69	186293	VOLET ZINGUÉ RBML	12	14	17			
	582658	VOLET RENFORCE RBRM				12	14	17
70	9908012	RONDELLE MN 0 12	17	19	22	17	19	22
71	186379	BRIDE DOUBLE FLEXIBLES	1	1	1	1	1	1
72	082540	GOUPILLE ARCEAU Ø10*80	2	2	2	2	2	2
73	082664	BOUCHON 20/27	2	2	2	2	2	2
74	084734	AXE VERIN PIED	1	1	1	1	1	1
75	582397	BEQUILLE RDM + RBML	2	2	2	2	2	2
76	9900550	ECROU FREIN H M20	6	6	6	6	6	6
77	9961957	VIS H 16X70/38	1	1	1	1	1	1
78	9961945	VIS H 20X140/52	5	5	5	5	5	5
79	082339	COUDE 13G 3/8	2	2	2	2	2	2
80	082601	GOUPILLE ANNEAU Ø8	2	2	2	2	2	2
81	082630	COUDE CM13G 1/4	2	2	2	2	2	2
82	082693	FLEXI.HYDR.L 2.2m	2	2	2	2	2	2
83	082694	FLEXI.HYDR.L 3.2m	2	2	2	2	2	2
84	144100	AXE BI STD Ø22	2	2	2	2	2	2
85	144101	AXE SUPERIEUR	2	2	2	2	2	2
86	9961944	VIS H 20X130/52	1	1	1	1	1	1
87	9961952	VIS H 10X55/26	1	1	1	1	1	1
88	082349	COUPLEUR Ø20.5 MALE	4	4	4	4	4	4
89	082686	CLAPET REGLABLE 3/8"	2	2	2	2	2	2
90	082690	UNION M1/2" M3/8"	2	2	2	2	2	2
91	082705	UNION M1/2"- F3/8"	2	2	2	2	2	2
92	K11034	GAINÉ SPIRALE Ø20 L=2 M	1	1	1	1	1	1
93	K11034	GAINÉ SPIRALE Ø20 L=0.75 m	1	1	1	1	1	1
94	082753	CLAVETTE 8 X 7 LG.32	1	1	1	1	1	1
95	082771	COUSSINET USINÉ Ø50/55 L=40	2	2	2	2	2	2
96	082747	ETRIER M10 40 X 40	2	2	2	2	2	2
97	185019	PATTE B.I	1	1	1	1	1	1
98	186382	BRIDE SIMPLE FLEXIBLES	1	1	1	1	1	1
99	9900210	ECROU H M10	10	10	10	10	10	10
100	582570	VOLET RBMLAC	1	1	1	1	1	1
101	082768	BAGUE ACIER 10X12X10	8	8	8	8	8	8
102	9908010	RONDELLE MN 10	8	8	8	12	12	12
103	082776	CIRCLIP ALES Ø52	2	2	2	2	2	2
104	082777	ROULEMENT 6205 DDG	2	2	2	2	2	2
105	186411	RONDELLE D'ARRET	1	1	1	1	1	1
106	186417	BAGUE EPAULÉE 16-25	2	2	2	2	2	2
107	9960509	VIS CHC M16 X 45 BRUTE	2	2	2	2	2	2
108	9960619	VIS T.FRAISEE M10x30 CL10.9	1	1	1	1	1	1
109	187112	CALE PALIER RBRM AC				1	1	1

Rep,	Référence		RBML115AC	RBML130AC	RBML155AC	RBRM 115AC	RBRM 130AC	RBRM 155AC
111	9908060	RONDELLE NORD LOCK M16	2	2	2	2	2	2
112	9960711	VIS TETE BOMBÉE CC Ø8x16	2	2	2			
113	182007	JOINT NILOS LSTO 25 x 47 x 4	2	2	2	2	2	2
114	182008	JOINT NILOS LSTO 25 x 52 x 4	2	2	2	2	2	2
115	182009	ROULEMENT 3205	2	2	2	2	2	2
116	187106	MOYEU ROULEAU BRM	2	2	2	2	2	2
117	187107	AXE MOYEU BRM	2	2	2	2	2	2
118	187109	ENTRETOISE CRENELÉE Ø25 X 2	2	2	2	2	2	2
119	187110	ENTRETOISE Ø25 X 2	2	2	2	2	2	2
120	186613	CALE BOITIER RBRM				1	1	1
121	9960703	VIS TETE BOMBÉE CC Ø10x25	2	2	2	6	6	6
123	186619	SUPPORT PALIER RBRM AC				1	1	1
125	9962011	VIS H 10X25/25				8	8	8
126	9908006	RONDELLE LL Ø10.5x30x2.5				4	4	4
127	582794	BRAS ROULEAU RBRM DROIT	1	1	1	1	1	1
128	582795	BRAS ROULEAU RBRM GAUCHE	1	1	1	1	1	1
129	582793	ROULEAU AR BRM115	1			1		
	582796	ROULEAU AR BRM130		1			1	
	582797	ROULEAU AR BRM155			1			1
130	9970113	Circlips 25	2	2	2	2	2	2
131	9900540	ECROU FREIN H - M10	2	2	2	2	2	2
132	9908069	RONDELLE W 0 12	2	2	2	2	2	2
133	9960519	VIS CHC - M6 x 16	12	12	12	12	12	12
134	9960520	VIS CHC - M10 x 60/32	2	2	2	2	2	2
135	9960712	VIS TETE BOMBÉE CC Ø12x30	2	2	2	2	2	2
136	9900510	ECROU FREIN A EMBASE M12	2	2	2	2	2	2

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