

# Shark R700

## Saw Bench



## USERS TECHNICAL MANUAL FOR USE & MAINTENANCE



Read manual carefully before operating machine.



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1. PTO SPEED WARNING

# **PTO SPEED WARNING ATTENTION**

## **WARNING**

**The input PTO speed must  
never exceed 350 RPM**

**Over speed will cause the blade to  
distort and shatter, resulting in possible  
serious or fatal injury.**

## 1.1 INFORMATION ABOUT THE MANUAL

This manual supplies you all the necessary pieces of information for use and maintenance of your machine. The correct operation and long life will depend on correct maintenance and care in use. We recommend you **read this manual for use and maintenance** carefully and follow the instructions described herein before using, checking, testing the equipment and before any operation with the machine.



### SAFETY SYMBOL

This symbol highlights messages which are important for the operator's safety and health. If you find it please follow the instructions contained therein, in order to prevent injury.

## 1.2 MACHINE FEATURES

A plate with the Manufacturer data, model, serial number, year of manufacture and weight are affixed to the machine frame.

Should you need any spare parts, always refer to type of machine, part number and year of manufacture.



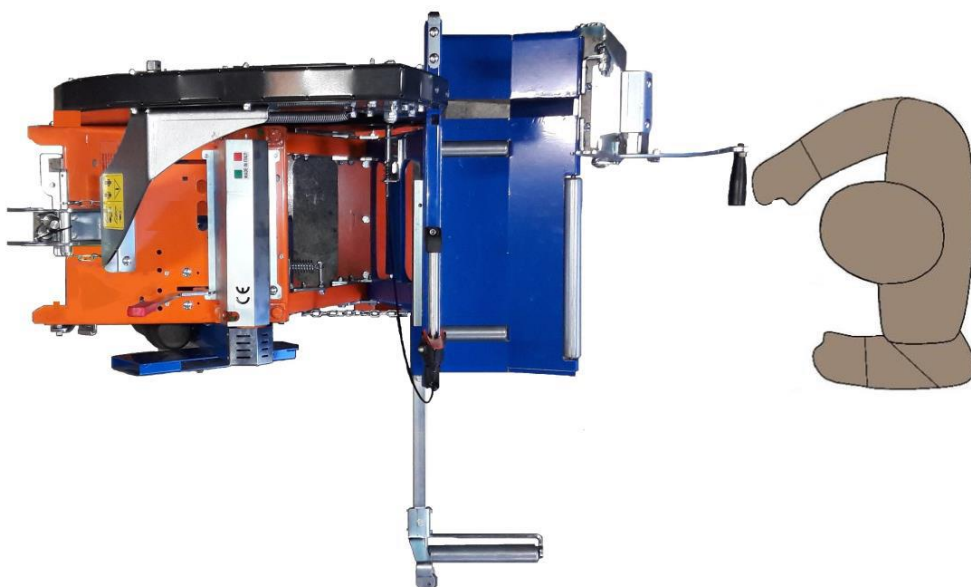
### 1.3 MACHINE INFORMATION

#### 1.3.1 Expected use

The models described in this manual have been designed to cut wood into logs to be inserted in fireplaces, stoves, wood ovens, kitchen stoves, barbecues or else or to be then cut smaller by other machinery such as log splitters.

**Any use other than that specified in this manual is to be considered as improper use.**

The machine operator shall always be positioned in front of the tilting table while at work.



***Working position***

**The machine must stay hitched to the tractor at all times during its use. Its use in enclosed rooms is strictly forbidden.**

These machines are generally used in daylight. Should they be used at night or with reduced visibility, a suitable lighting system around the machine must be used.

Never use the machine in a closed or poorly ventilated room as the exhaust gases of the engine are poisonous.



#### **WARNING!!!**

**THE MACHINE SHALL BE USED BY A SINGLE OPERATOR ONLY.  
THE OPERATOR SHALL BE AUTHORIZED, FORMED AND DULY  
TRAINED**

### 1.3.2 Description of machine

Shark sawing machines are the most effective machines to be used for cutting logs.

The machine consists of a tilting table where the log to be cut is placed. The table is pushed by the operator manually towards the sawing blade (after having unlocked the safety blockage in red) which cuts the log into smaller pieces.

The blade, the three belts transmission and the gearbox which coordinates all component movements, permit a safe and quick operation.

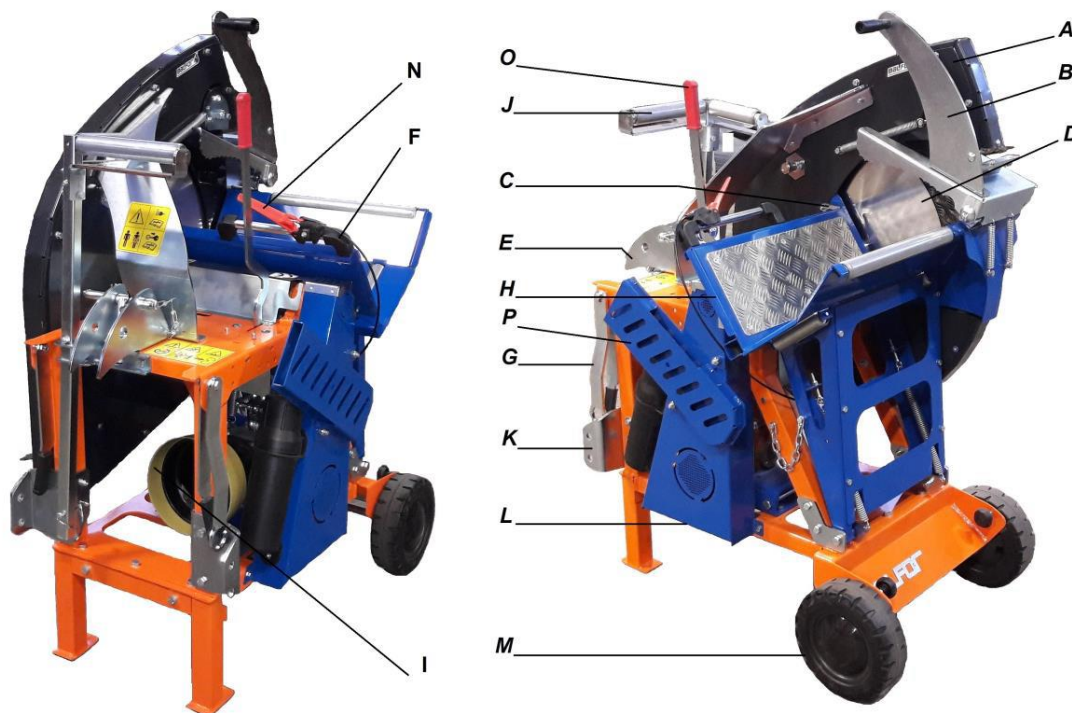
PTO Model: Shark R700C

Models with conveyor belt: CNT700

The number “700” indicates the diameter (mm) of the blade.

## 1.4 COMPONENTS AND TECHNICAL DATA

### 1.4.1 PTO Models



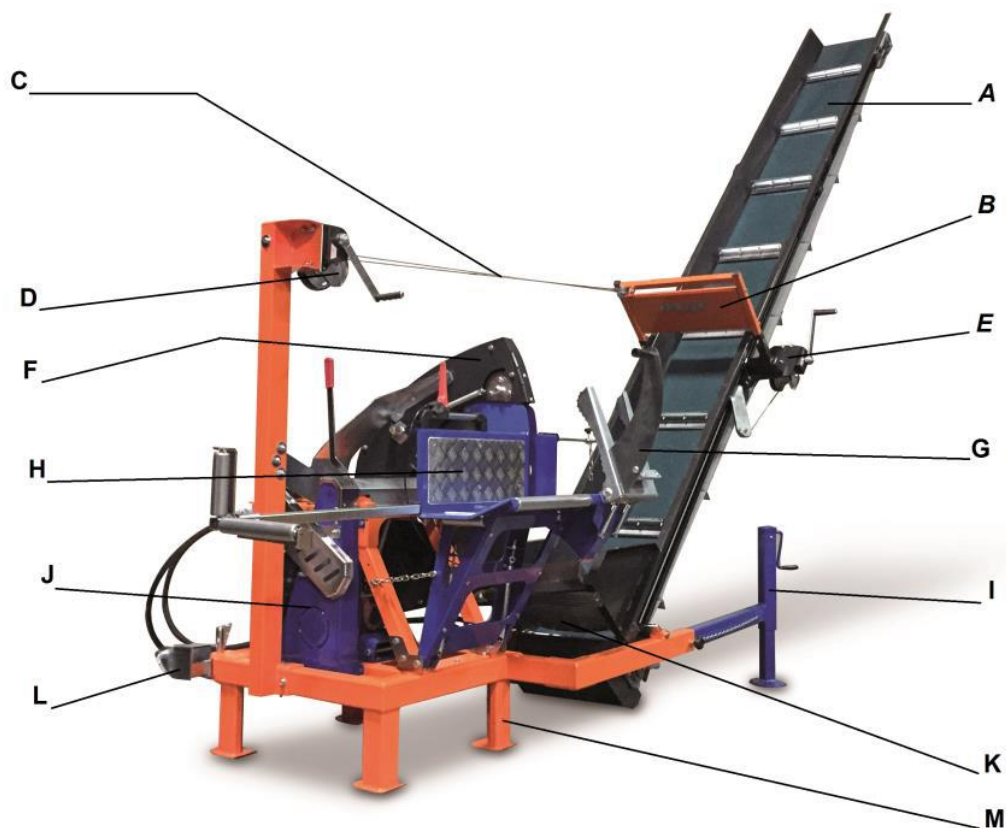
| REF | Description               |
|-----|---------------------------|
| A   | Fixed saw blade cover     |
| B   | Log handle device         |
| C   | Tilting table lock hook   |
| D   | Cutting blade             |
| E   | Top linkage point         |
| F   | Tilting table handle      |
| G   | Key for blade replacement |
| H   | Tilting table             |

| REF | Description                   |
|-----|-------------------------------|
| I   | PTO Shaft input guard         |
| J   | Log support                   |
| K   | Lift arm connection point     |
| L   | Fixed transmission belt cover |
| M   | Wheels                        |
| N   | Bench unlocking lever         |
| O   | Brake lever                   |
| P   | Chainsaw holder               |

| Specifications – Shark R700C |                     |
|------------------------------|---------------------|
| Dimensions                   | 1075 x 750 x 1460mm |
| Saw diameter                 | 700mm               |
| Mass                         | 166kg               |
| Min. tractor power           | 25 hp               |
| Max. Blade RPM               | 1500 RPM            |
| Min. & max. cutting diameter | 70-295mm            |
| Min. & max. log length       | 500-2000mm          |
| Min. cutting length          | 125mm               |
| Max. PTO RPM                 | 350 RPM             |



## 1.4.2 Models with conveyor belt



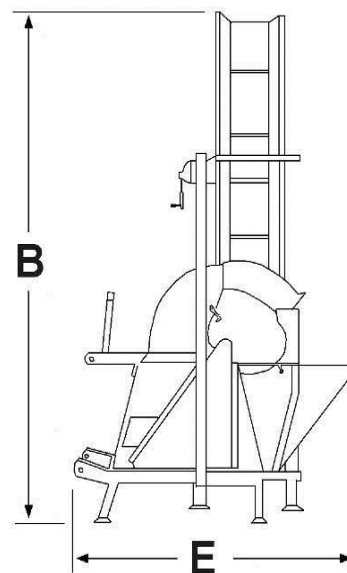
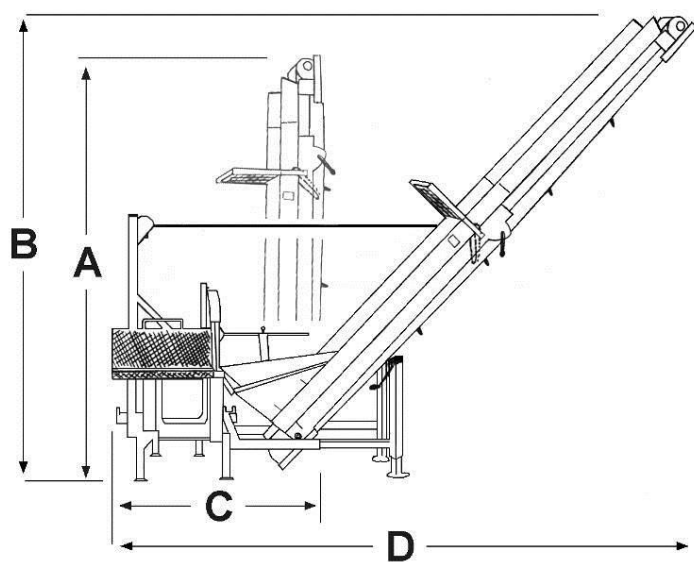
| REF | Description                             |
|-----|---|
| A   | Conveyor belt                           |
| B   | Log fall-back guard                     |
| C   | Steel rope                              |
| D   | Winch to bring conveyor belt up/down    |
| E   | Winch to shorten/lengthen conveyor belt |
| F   | Fixed saw blade guard cover             |
| G   | Moving saw blade cover                  |

| REF | Description                 |
|-----|-----------------------------|
| H   | Tilting table               |
| I   | Adjustable stabilising foot |
| J   | Transmission belt cover     |
| K   | Log collecting hopper       |
| L   | Hoist arm connection        |
| M   | Stabilising Foot            |



The conveyor can be two different lengths: 4 meters or 5 meters.

| Models                              | Shark CTN 700 |
|-------------------------------------|---------------|
| Dimensions A B (mm)                 | 2.6 – 2.85    |
| Dimensions C D (mm)                 | 1.4 – 4.1     |
| Dimensions E (mm)                   | 1.3           |
| Saw diameter (mm)                   | 700           |
| Mass (kg)                           | 400           |
| Min. tractor power (HP)             | 25            |
| Operating pressure (bar)            | 511           |
| Conveyor belt width (mm)            | 350           |
| Conveyor belt length (mm)           | 5             |
| Rpm                                 | 1.500         |
| Min. and max. cutting diameter (mm) | 80 – 295      |
| Min. and max. log length (mm)       | 500 – 2000    |
| Min. cutting length (mm)            | 120           |



## 1.5 NOISE LEVEL

The level of the operator's exposure to noise depends both on the sound pressure level in his work post or station and on how long he stays in such a position as well as on the environmental characteristics.

As the sound pressure level ( $L_{PA}$ ) can vary significantly because of a more or less reverberating environment the machine is installed in. The level of sound pressure ( $L_{WA}$ ) produced by the machine is supplied as it is an absolute datum independent from the surrounding environment.

The noise level authorised can be different depending on the country.

$L_{PA}$  and  $L_{WA}$  values are measured as follows:

Sound power  $L_{WA}$  dB(A): 108

Sound pressure  $L_{PA}$  dB(A) in the operator's work post measured in an open field: 88.0

### 1.5.1 Vibration level

The machine is designed in such a way that vibration is acceptable and minimal, so that the operator remains comfortable during normal operation.

The level of the vibration transmitted by the machine to the operator (hand-arm system HAV) while working (while cutting the operator holds the log to be cut of one hand and by their other hand they grip the pusher handle) is  $< 2,5 \text{ m/s}^2$ .

Cleaning and maintaining the machine and the blade will help to keep the noise reduced.

### 1.5.2 Dust Emission

Wood cutting operations are subject to the emission of wood chips and dust. In particular, powders can be dangerous if inhaled. The risk can be increased by some factors such as the type of wood being worked, dry climate and wind.

The operator is responsible to use PPE appropriable to type of wood being processed to protect themselves.

## 2 SAFETY WARNINGS

**THE FOLLOWING SAFETY RULES APPLY IN ORDER TO SAFEGUARD YOUR HEALTH.  
READ THEM, MEMORIZE THEM AT ALL TIMES.**



### **SAFETY SYMBOL**

**This symbol highlights messages which are important for the operator's safety and health. If you find it please follow the instructions contained therein, in order to prevent injury.**

The machine shall be used, the periodical checks and maintenance operations shall be carried out in compliance with the contents of the manual for use and maintenance. A correct maintenance is a guarantee for excellent cutting performance.

The circular saw has been designed to cut logs only. Any other application shall be authorized by the manufacturer clearly in writing.

**The instructions and warnings in this manual only refer to proper and reasonably expectable use. The instructions below shall be completed by the operator's common sense and experience which are characteristics absolutely necessary for accident prevention.**

The use of the machine shall be reserved to authorized, informed and trained personnel (trained in use, adjustment and operation of the machine) who are aware of the dangers implied by the machine operation.

Any possible modifications to the tool that have not been previously authorized Agriquip (in writing) would exclude their responsibility.

### 1.1 GENERAL SAFETY AND ACCIDENT PREVENTION RULES



### **WARNING!! – DANGER!**

**Even if all necessary protective measures have been taken there is always a residual risk of shearing and getting injured with the cutting blade if the machine is used improperly and/or by unskilled or untrained personnel.**

- **Fundamental rule:** checking the machine thoroughly every time before starting it. Make sure the guards and the other safety devices are in the correct position and in good operating conditions.
- Comply not only with the instructions contained in this manual but also with all the safety and accident prevention rules in general. Before using the machine, all the devices, controls and functions should be well known to the operator.

- The decals on the machine give some important instructions. They are provided for your safety. Read the safety decals on the machine carefully and follow the relevant instructions (paragraph 2.3). Should the safety pictograms become illegible or worn clean them or replace them with new ones in the same position as described under par. 2.3.1
- Use the machine on a compact and flat ground, with no obstacles, and make sure it is perfectly still and stable. The ground around the machine should be free from loose materials (such as chips or shavings)



## **WARNING!!!**

**It is forbidden to linger within the ray of action of the machine in operation.**



## **WARNING!!!**

**Whoever approaches the machine is an EXPOSED PERSON, because he/she enters a dangerous area. The operator shall prevent anyone's access to the dangerous area and work with the utmost care themselves. Should anyone get near, stop the machine immediately**

- The manual should always be kept handy for consultation to check the operating cycle at any time. Should it be lost or damaged, Agriquip will send you a copy.



## **WARNING!!!**

**The machine has been designed to be used by a single operator. He shall always be positioned in front of the tilting table.**

- Never wear pieces of clothing or objects that might be caught in the machine (loose sleeves, belts, necklaces, finger rings, scarfs....)



## **WARNING!!! - WARNING!**

**When needed, the operator shall wear safety shoes, safety gloves, ear plugs and breathing masks to reduce the risk of inhaling harmful dust.**

- Never leave the machine unguarded while running. Stop the machine and disconnect from power source when not operating.

- Make sure the machine has not been damaged during transportation. If so, inform Agriquip immediately.

- Keep the machine clean and free from foreign matters (dirt, tools, objects) which could damage its operation or injure the operator.

**Check the characteristics of the wood you have to split for example, knots, irregular shape and so on.**

In particular, you shall make sure the log is resting well on the tilting table. We do not recommend to split bent logs.

Report to your authorized dealer or directly to the Customer Service at Agriquip or to any authorized operator regarding faults or malfunctions that may occur during the normal operation of the machine.

Use the original spare parts by Agriquip.



## **WARNING!!!**

**Agriquip shall not be liable for any damages caused by improper or unexpected use of the machine.**

**Agriquip shall not be held liable in the event of:**

- improper use of the machine, use by personnel not informed about the use of the machine in safety.
- serious lack of maintenance
- modifications or unauthorized interventions
- use of non-original or non-specific spares.
- total or partial lack of compliance with the instructions
- lack of compliance with common safety rules at work
- exceptional events.

## 1.2 SPECIFIC SAFETY RULES

### 2.2.1 PTO models



## **WARNING!!!**

**Any maintenance, adjustment and cleaning operation should be carried out the machine on the ground, tractor engine off, power takeoff disconnected, hand brake applied, start key turned off and removed from the control panel.**



## **DANGER!**

**Make sure the guards of the transmission PTO shaft are whole and in good conditions.**

In case of a breakage or a lesion to the PTO shaft guards, replace them immediately.

When the machine is not hitched to the tractor the PTO shaft shall rest on its support.



## **WARNING!!!**

**Do not place, for any reason whatsoever, any parts of your body between the machine and the tractor when the engine is on and the PTO is clutched in.**

### 2.2.2 Model with conveyor belt

To add to what specified on par. 2.2.1:

In case of a breakage or a failure to the PTO shaft guards, replace them immediately.

When the machine is not hitched to the tractor the PTO shaft shall rest on its support.

Check wear of hydraulic hoses. Replace them if they are worn (or at least every 6 years).

When the machine is not hitched to a power unit the hydraulic hoses shall be stored in their supports.

Make sure the hydraulic hoses are fitted in correctly according to colour code. Take note that their wrong position would cause movements opposite to the commands.



#### **WARNING!!!**

**Do not place, for any reason whatsoever, any parts of your body between the machine and the tractor when the engine is on and the PTO is clutched in.**



#### **WARNING!!!**

**Do not linger or pass under conveyor belt while working. Danger of log falling off conveyor.**

**Keep at a distance**

### 2.3 RESIDUAL RISKS

Even when the machine is used in a correct way and even if you follow all safety instructions still some residual risks remain, due to the specific typology of this machine.

- In the event of an improper handling one could injure one's hands with the blade (while replacing it) or with logs or wooden pieces.
- Risk of cutting and shearing in the event of a contact with the cutting blade in operation.
- Injury due to project of wood pieces.
- Blade breakage and projection of fragments.
- Risks for one's hearing due to extended work time with no hearing protection devices.
- Residual risks can be kept to a minimum if the safety instructions, operating instructions and general instruction are followed.

**ALWAYS USE THE INDIVIDUAL PROTECTIONS FOR THE OPERATOR**



## 2.4 SAFETY WARNINGS



Make sure all safety labels are perfectly readable. Clean them by using a cloth with soapy water. Replace any damaged labels by placing them exactly as shown in the next paragraph.

The panels applied to the machine give some important instructions. They are provided for your safety.  
**FOR ALL THE MODELS**



### 1. WARNING!!! - DANGER!

The use of the machine is reserved to a single operator.



### 2. WARNING!!!

Use the required personal protection means.



### 3. WARNING!!!

To hoist the machine hook it only in the point shown.



### 4. WARNING!!! - DANGER!

Make sure the blade has come to a complete stop before opening the guard cover.



### 5. WARNING!!! – DANGER!

Hand injury, keep at a distance



### 6. WARNING!!!

Read the Instructions for use and maintenance.

Before any adjustments to the machine, stop the tractor engine, remove key from dashboard.



### 7. WARNING!!! – DANGER!

You might be caught and dragged in.

Do not bring your hands close to a moving PTO shaft.

## ONLY FOR PTO MODELS AND MODELS WITH CONVEYOR BELT



### 6. WARNING!!!

Read the Instructions for use and maintenance.

Before any adjustments to the machine, stop the tractor engine, remove key from dashboard.



### 7. WARNING!!! – DANGER!

You might be caught and dragged in.

Do not bring your hands close to a moving PTO shaft.



### 8. WARNING!!!

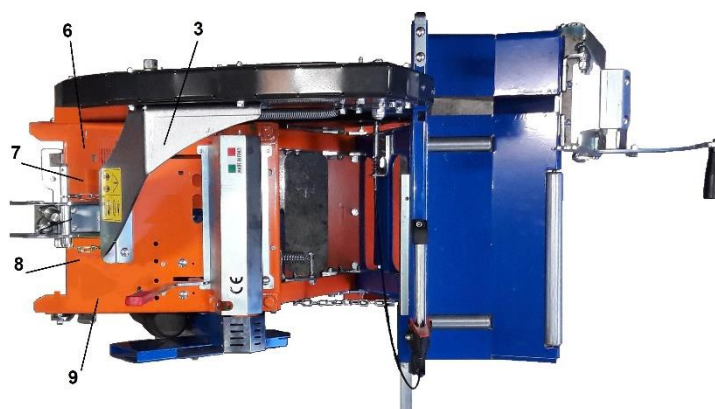
Check the direction of rotation and make sure the speed of the tractor PTO is adjusted on 350 rpm, in that the machine is designed for this speed. For the machines with conveyor belt working all by PTO's shaft and blade diameter 700, the rpm must be 400



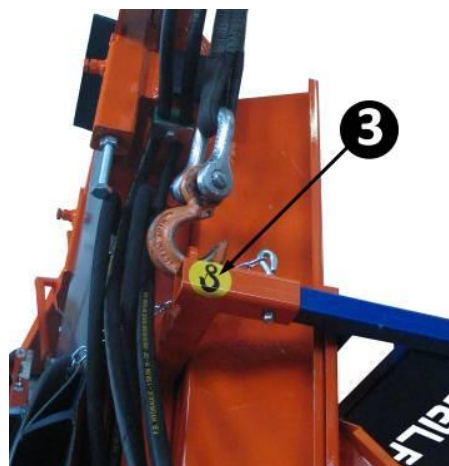
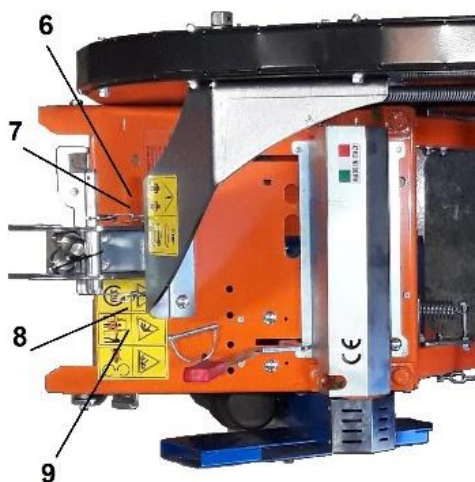
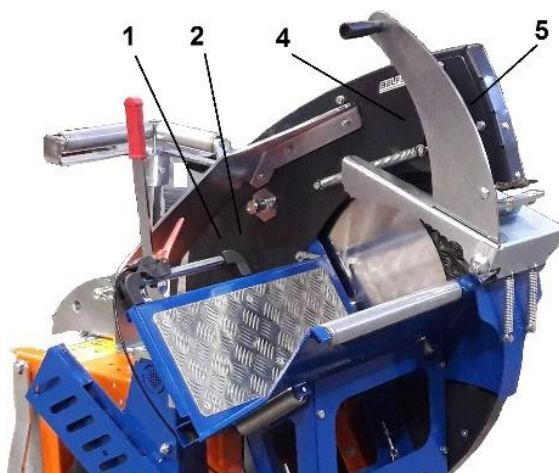
### 9. WARNING!!!

CRUSHING danger. Do not linger between tool and tractor.

## 2.4.1 Decal location on machine – PTO Models



## 2.4.2 Decal location on machine – Models with conveyor belt



### 3 MACHINE TRANSPORT

Machines with a **PTO shaft** can be hitched and carried thanks to the three-point linkage of the tractor. To hitch them to a tractor, see chapter 4,1.



**During transportation remove the PTO joint and drive carefully not to damage the machine.**

The machines are equipped with two wheels in order to be able to displace the machine shortly within the company area. To move the machine simply take both rear galvanized brackets to a horizontal position and use them to tilt the machine slightly. Carry the machine without walking backwards.



Manual transport handles



Slot for hoist hook

All the machines can be lifted and transported by using a crane or a hoist, by using ropes and hooks (approved and adequate to the machine weight) by fixing them to the eyebolt specified by the pictogram on the machine. To hoist it use a safe spring catch hook.

While hoisting, the conveyor belt shall be brought down and folded up. The hoisting eyebolt position has been conceived in such a way that if the slinging has been made correctly no dangers or shifting movements caused by an unstable position of the machine can take place while the machine and/or its parts are being handled.





## WARNING!!!

Carry out loading and unloading operations with the utmost care. These operations shall be carried out by qualified staff (slingers, forklift truck operators and such)



## WARNING!!! - DANGER!

Never pass or linger underneath a hoisted machine.  
It is forbidden to leave the hoisting means with a hoisted machine unguarded.

### 3.1 CHECKING THE HOISTING CAPACITY AND STABILITY OF THE TRACTOR.



## WARNING!!! - DANGER!

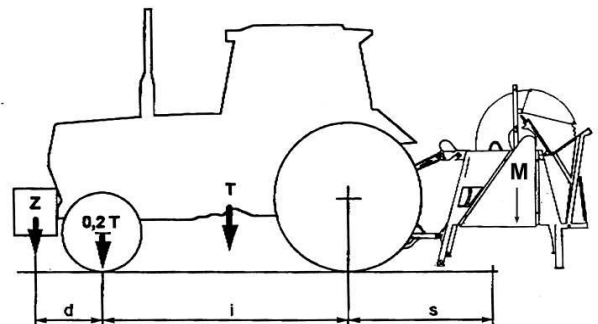
Check hoisting capability and stability of the tractor (before hitching the machine to it) in order to prevent it from tilting and/or losing adhesion with its steering wheels.

Check hoisting capability and stability of tractor by applying the formula below and if necessary, apply some ballasts to front.

$$M \times s < 0,2 T \times i + Z (d + i)$$

$$M \leq 0,3 T$$

|   |   |  |
|---|---|--|
| i | = | tractor wheel distance                             |
| d | = | distance from front axle to ballasts               |
| s | = | overhang of the rear axle of the operating machine |
| T | = | tractor mass + 75 kg (operator)                    |
| Z | = | ballast mass                                       |
| M | = | machine mass                                       |



### 3.2 ROAD CIRCULATION

#### ONLY FOR PTO MODEL

**WARNING!!!**

**For road transportation:**

**Apply suitable panels to signal how big it is on the road.**

**Follow the rules of the current highway code.**

If the machine covers the rear lamps of the tractor a bar with rear lights should be mounted.

When circulating on public roads besides complying with all the standards in force, particular attention shall be paid to any specific instructions given in the registration booklet of the tractor. Choose an appropriate speed, particularly if you are towing bulky tools with considerable front and rear overhang and in case of heavy traffic, winding roads or slants.

When circulating on a road, never exceed the speed limits set by the highway code in force in the country of use and by no means exceed the max. speed limit of 40 km/h.



## 4 CONNECTIONS

### 4.1 HITCHING FOR PTO MODELS AND MODELS WITH CONVEYOR BELT

#### 4.1.1 Hitching to PTO tractor

The three-point hitch of the tractor and of the machine must coincide or be adapted.

In the area where the tie rods of the hoist arms at the rear of the tractor are located, squashing and cutting points still present a residual risk of injury.

Do not use the external control for lifting the tool.



**WARNING!!!**

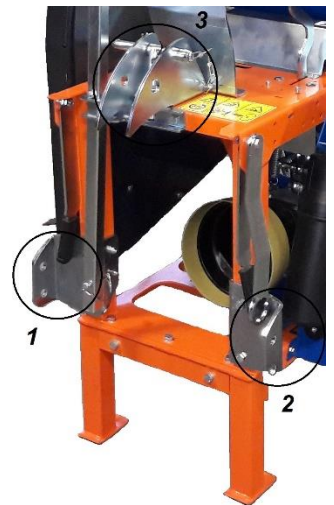
**PTO models can only be used if hitched to the three-point linkage of a tractor.**

Approach your tractor of the saw until the hoist bars coincide with the linkage points 1 and 2 of the hoist arms. use the bolts supplied in the kit for attaching it. Insert and lock the safety pins in the specific hole and make sure they are locked in position.

Connect third point to top linkage 3 and adjust length in order to position the machine parallel to the ground.

Insert and lock the safety pins Lock the safety device of the third point to prevent it from getting loose.

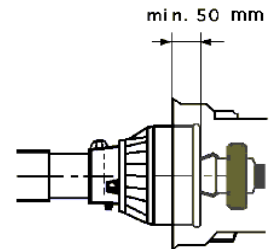
Hoist machine a few centimeters off the ground and lock its side-way movement by adjusting stabilizer links on lift arms.



#### 4.1.2 Installing a PTO-shaft

After hitching machine to tractor, connect PTO shaft to tractor PTO. This operation shall be carried out while the engine is turned off and after removing key from dashboard.

**Before using PTO shaft check the booklet for use and maintenance that comes with it. Should you not use the PTO shaft supplied with the machine make sure the machine and tractor guards overlap with the PTO guard at least as much as demanded by current regulations (50 mm).**



Clean and lubricate your PTO.

Grease PTO periodically by following the instructions given by the PTO shaft manufacturer (see manual for use and maintenance of your PTO shaft).

Comply with the instructions for the assembly order of the PTO shaft manufacturer and specified on the guard outside (tractor drawing on the outer pipe of the shaft towards tractor power takeoff).

Hook chains to prevent rotation.

Make sure the safety extraction lock (button or ring nut) is correctly inserted and locked.



**WARNING!!!**

**Check the direction of rotation and make sure the speed of the tractor PTO is adjusted on 350 rpm, in that the machine is designed for this speed.**



**WARNING!!!**

**The PTO shaft shall always be fitted to tractor PTO last, and detached first once work is over.**

**Use only PTO shafts with whole guards.**

**Agriquip shall not be liable for any damages caused by incorrect assembly or use of the PTO transmission.**

## 4.1.3 Hydraulic connections (only for models with conveyor belt)

Before connecting hydraulic quick couplings to tractor distributors, make sure circuits are not under pressure by acting on distributor levers in both directions, engine off.

Whenever you use the machine make sure the hydraulic hoses are not cracked or worn and if necessary replace them by others supplied by the manufacturer.

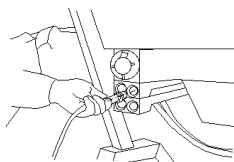
If you localize a leak, depressurize the hydraulic circuit, stop the tractor engine. Detach the hydraulic hoses by wearing protective gloves (making sure a container in an adequate capacity is provided to recover the hydraulic oil) and replace them by others supplied by the manufacturer. The exhaust oil you recover shall not be left in the environment, in that according to the current standards, it is classified as special waste and as such shall be taken to the specific collection centres.

Pressurized liquids, particularly hydraulic oil can cause serious injuries and infections. In the event of an injury see a doctor.

Before acting on hydraulic installation, stop the engine and depressurize the circuit.



Hydraulic hose support bracket



**Make sure the hydraulic tubes are fitted in correctly according to colour code and remembering that their wrong position would cause movements opposite to the commands.**



### **WARNING!!!**

**Depressurize hydraulic installation of tractor and machine before coupling.**

### **WARNING!!!**

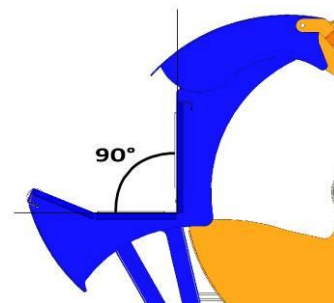
**When the hydraulic hoses are detached from tractor they MUST ALWAYS be fixed to their supports.**

## 5. SAFETY DEVICES

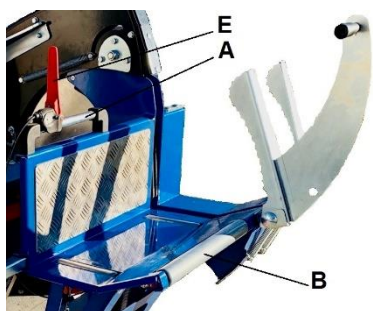
The machine is designed and manufactured to guarantee the operator's utmost safety as required by the current standards and in particular:

The blade guards are more than 2 mm thick.

The tilting table angle is 90° and some grooves on the table surface prevent the piece from rotating while cutting it.

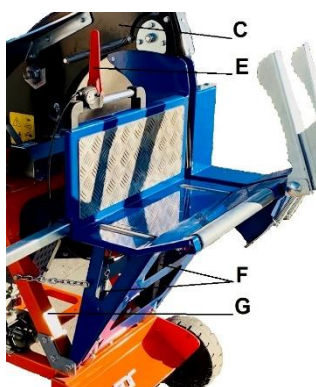


The tilting table is equipped with a handle (A) and a roller (B) to make the pushing stage easier and safe.



On the handle (A) there is a safety handle (E) to unlock the bench and allow the advancement of the wood toward the blade. If this safety handle is not pushed, the bench is locked and it can't be moved.

The bench can't be moved while the safety handle (E) is not pushed. Only the operator can unlock the handle (E). After the cut, the bench returns in the rest position, by springs (F) that have to be checked regularly.



The movement of the bench to the blade is limited by a stop (G) to avoid collision of the blade to the upper cover.

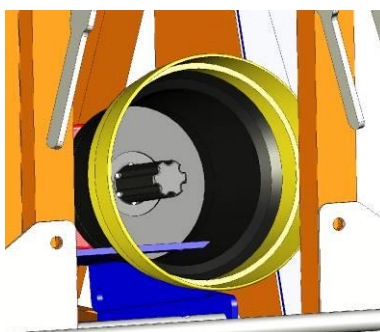
The part of blade which is not exposed for cutting is guarded by fixed crankcases (C), on both sides, bolted to the machine frame not to leave the blade teeth exposed.

The part of blade exposed for cutting is guarded by an adjustable crankcase (D) which moves together with the tilting table in order to leave the teeth exposed only at the time of cutting.



## For PTO model

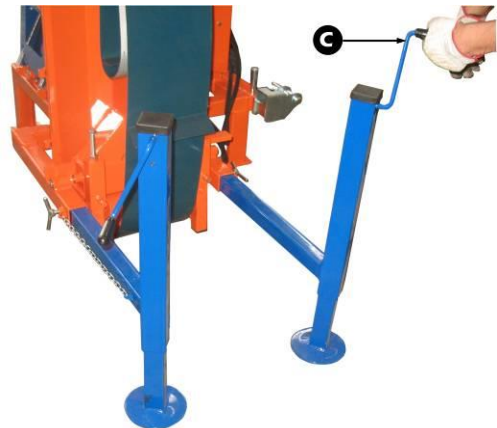
The PTO clutching shaft is protected by a guard which overlaps with the PTO shaft guard once clutched in.



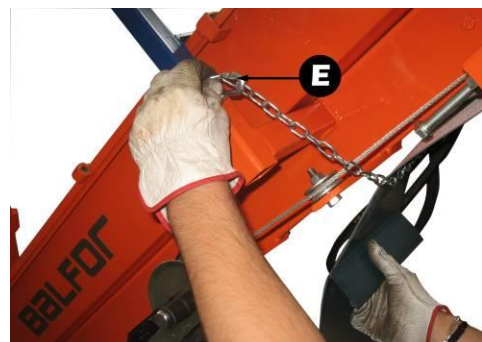
## 6. CONVEYOR BELT ASSEMBLY

Lock tractor by pulling parking brake.

Extract, extend both stabilizing feet (A) completely and lock them by using safety pin (B). Adjust their height by acting on handles (C) until the machine is perfectly stable.

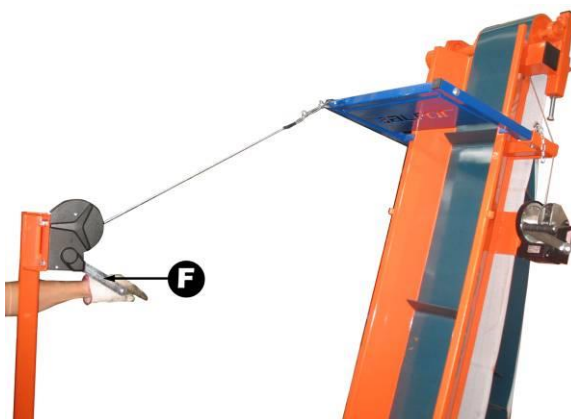


Detach belt hook (E) to extend belt.



Lower conveyor belt to loading position by using winch (F)

By acting on winch (G) extend the belt until it is fully unfolded.

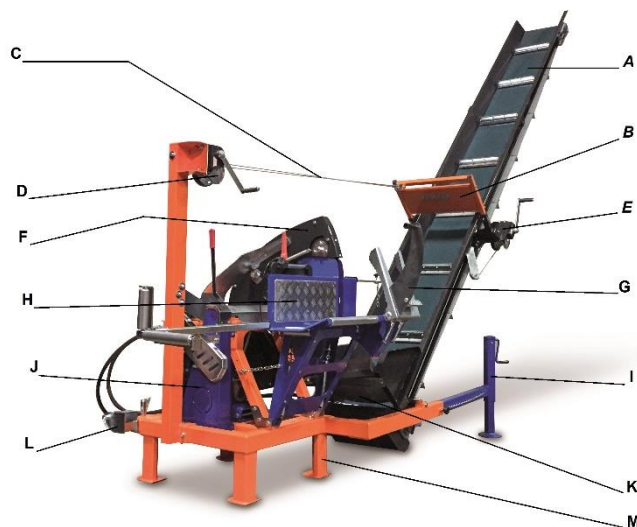


Make sure the log safety guard (B) has been lowered. This net prevents cut logs for falling back towards the operator.

To disassemble and fold the machine into transport position proceed in the reverse order.



*Transport position*



*Working position*



## 7. MACHINE USE

The machine setup, use and adjustment must be done by qualified persons and operators.



### **WARNING!!!**

**Wear Personal Protection Devices such as safety gloves, accident prevention shoes with a reinforced tip and if necessary, protective goggles and breather at all times.**



### **WARNING!!! - DANGER!**

**Before using the machine, all the devices, controls and functions should be well known to the operator. Read this manual carefully.  
Check the operation of the sensitive anti-squashing bar.**

The operator shall always be positioned in front of the tilting table when the machine is in operation.

The start and stop tractor control are considered to be the start and stop control of the disk saw.

**PTO DRIVEN VERSION:** The command to start and stop the tractor are considerate as start and stop command of circular saw.



### **WARNING!!!**

**Before starting to work make sure there are no people or animals within 3 meters from your machine. Should anyone approach stop working and stop the saw at once.**

**While at work do not let anyone come close.**



### **WARNING!!! - DANGER!**

**THE USE OF THE MACHINE IS RESERVED TO A SINGLE OPERATOR.**

**FOR CARDAN MODELS:** Lock the tractor by acting on the parking brake and set the tractor PTO on 350 rpm. Let the tractor engine run idle for about a minute and the machine as well.

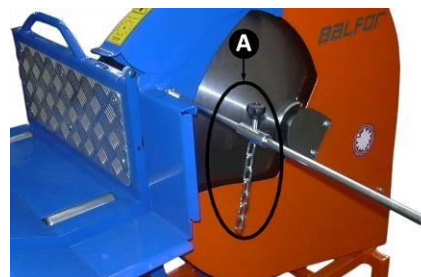
Take the tractor to 1000 ÷ 1300 rpm by acting on the manual accelerator in order to obtain 350 rpm at the PTO.

Lock tractor by pulling parking brake. Release hook retaining tilting table.

Place the log to cut on the tilting table and adjust the log supporting device length accordingly (ref. J, par. 1.3.2) in order for the log to be in a stable position.

Calibrate the cutting length adjusting device (A).

Grip handle located at the top of the tilting table with one hand and hold log with the other.



## **WARNING!!! - DANGER!**

The hand holding the log shall be adequately far from the blade while cutting (aligned with the hand gripping the tilting table handle).



Move handle towards blade by pushing, if necessary, with a side of your body the roller on table edge for an easier cut.

Cut the log.

**Never leave your working position while cutting to prevent the cut log from falling on your feet.**



## **WARNING!!! - DANGER!**

Never leave machine unguarded during operation.



## **WARNING!!! - DANGER!**

Before placing a new log to cut on machine make sure cutting guide is clean.

If it is not, stop circular saw by switching tractor engine off and remove residues with a rigid brush.

Do not use rags to avoid hand injuries caused by the blade teeth.

Never remove dust small pieces or residuals from the bench or cutting areas while the machine is running,



## 8. MAINTENANCE

The machine is simple, no special maintenance operations are demanded. Before any adjustments you must stop the tractor engine.



## **WARNING!!!**

Any maintenance, adjustment and cleaning operation should be carried out when the machine on the ground, tractor engine off, unplugged, hand brake applied, start key turned off and removed from the control panel.

In the event of a breakdown the operator shall stop the machine immediately, check the problem and proceed by carrying out other interventions on the machine.

Wear a pair of safety gloves and accident prevention shoes at all times.

All Maintenance or repair have to be done by specialized, authorized and qualified persons.

**The manufacturer recommends you test your machine after approx. 2000 hours' work (a year at an average of 40 hours per week).**

**This test is necessary in order to guarantee the efficiency, long life and full safety of your machine in time.**

If a jet of compressed air is used for cleaning the machine, protect yourself by wearing goggles or masks and keep anyone and any animals lingering near the machine at a distance. Do not use any flammable liquids.

Often clean the machine from dust and wood chip to reduce the risk of fire and inhalation.

**The lubricating oil used in the angular gearbox is SAE 90 and the unit quantity is 0.2 litre.**

## 8.1 Replacing the cutting disc



**WARNING!!!**



To remove and replace the cutting disk wear strong gloves and safety shoes.

Only use circular saws supplied by Agriquip.

Use blades in a diameter and gauge specified in the table:

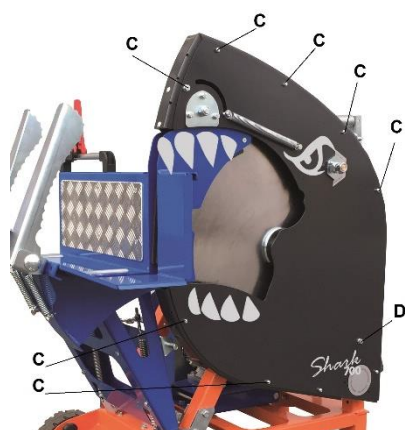
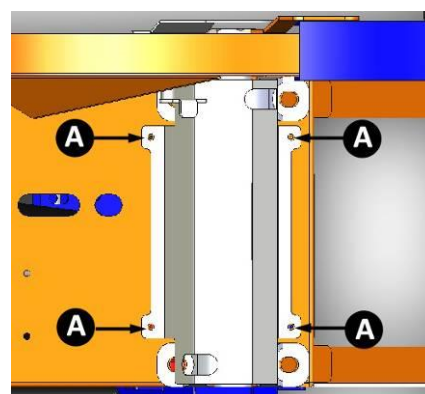
| Model     | Diameter (mm) | Gauge (mm) |
|-----------|---------------|------------|
| Shark 700 | 700           | 4.3        |

To replace the cutting blade proceed as described below:

Loosen the 4 bolts (A) and remove the cutting disk transmission shaft guard.

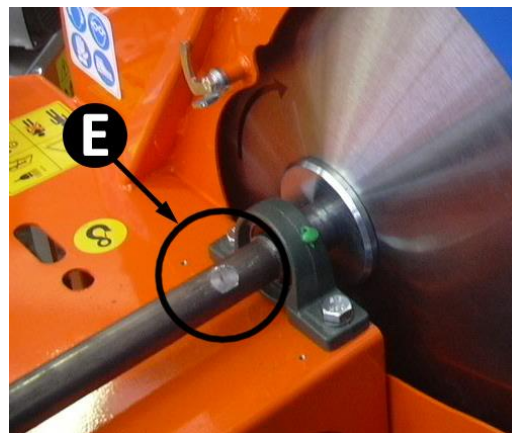
Loosen bolt (B) and remove the **top adjustable guard**.

Loosen the 3 bolts (C) fixing the fixed guard (on machine side) and fixing bolt (D) of the outer guard.

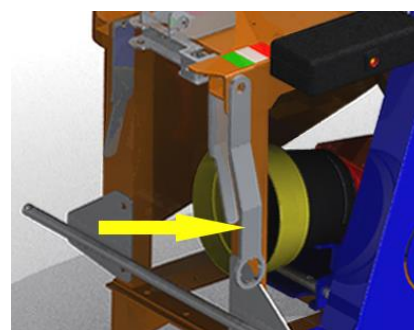


Remove the cutting blade crankcase.

Insert a 32" wrench on the shaft in seat(E) as illustrated by the photo.



Take the key supplied in the machine kit and screws to its rear.



Loosen the cutting disk by acting on the 32" wrench and on the wrench supplied in the kit, as shown in the picture.



Remove cutting disk and replace blade. Mind the teeth! Use suitable individual protection means.

Mount the new disk and fix it to the shaft.

Make sure the new blade is well centered and let it turn slowly by hand.

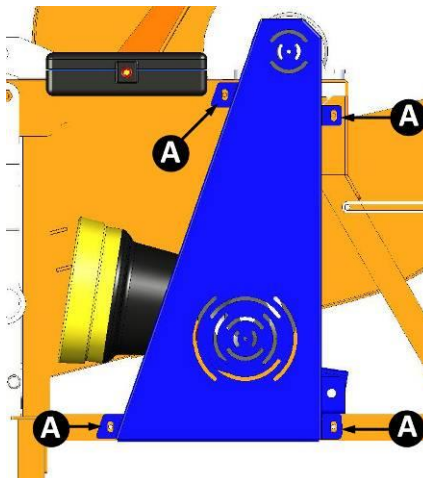
**Should the blade not be well centered repeat the whole operation.**

Reassemble and fix guards and crankcases.

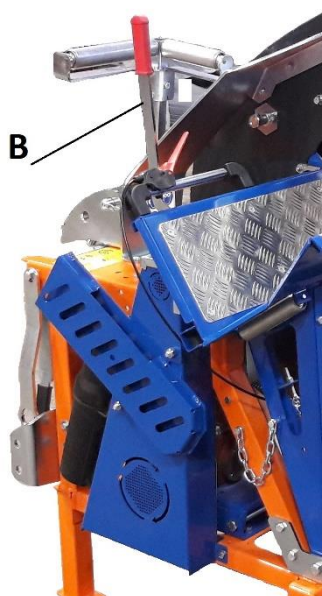
## 8.2 Transmission belt straightening

To make sure belts are stretched and correctly aligned proceed as follows:

Loosen the 4 bolts (A) fixing the belt crankcase,



Tighten bolts on the right (B) to stretch belts further,



Check belt alignment as illustrated by the photo,

Adjust the alignment by acting on bolt (C) on the left hand side.

## 8.3 Adjustment and replacement of the loading belt

While working loading belt shall be stretched.

Should it move sideways make sure no material residues are stuck between belt and rollers and if necessary adjust top and bottom roller tie rods located on the side of the rollers.

In the event of a breakage or excessive wear, to replace the conveyor belt contact Agriquip or your authorized dealer.



## 8.4 Storage

When the operating season is over, it is absolutely necessary to clean the machine in that if it is stored for too long, its mechanical parts might no longer work properly otherwise.

Store the machine away from bad weather and sheltered to avoid damage. Before storage we recommend you clean the machine thoroughly and lubricate all its mechanical parts well to protect it from rust.

Before storing the machine for long periods of time proceed as follows:

- Clean the machine outside thoroughly.
- Carry out a general visual control of the machine to check for any structure damage or deep paint scratches or scoring and damage of the hydraulic hoses.
- Make sure the original safety pictograms are correctly positioned, whole and readable.
- Grease the mechanical parts as specified in the previous paragraph.

**Agriquip shall not be liable in the event of bad operation and guarantee if the storage and maintenance recommendations are ignored.**

## 8.5 Scraping

If the machine must be scrapped, it shall be disposed of in suitable dumps according to the current regulations.

Before scrapping the machine separate plastic and rubber parts, and the electric and electronic material.

Recover any exhaust oil and dispose of it through the specific collection centres.

**The parts consisting of plastic, aluminium and steel only can be recycled at the specialized collection centres.**



## 9. WARRANTY

1. All Agriquip machinery is covered by a comprehensive warranty against faulty materials and workmanship provided that:
  - (i) The machine is operated in normal use as set out in the parts and operating manual;
  - (ii) The machine is correctly serviced and maintained as specified in your operating manual;
  - (iii) The machine is worked within its stated capacity (i.e. horsepower limit and P.T.O speed);
  - (iv) The machine is not subjected to any modifications, including non-genuine parts, or defects resulting from repair or alteration performed by other than authorised Agriquip dealers;
  - (v) Agriquip is in receipt of duly signed pre-delivery and installation certificate;
  - (vi) The machine has not been damaged from improper use or by the use of non-genuine parts.
2. Agriquip guarantee, subject to the conditions mentioned above, that should any defect in workmanship or material occur in the goods of Agriquip, within 12 months from the date of original purchase, or 1,000 hours of machine operation (whichever comes first) we will repair or, at our option, replace the defective goods without making any charge for labour or materials. We will also allow provision within our terms and conditions a labour charge of \$60 (+GST) where repairs are to be carried out by an authorised dealer.
3. Machines sold into the hire industry shall be void of warranty.
4. The following items are not covered by Agriquip warranty:
  - (i) Power take-off shafts and clutches;
  - (ii) Blades, tynes, flails, knives, tyres, belts, etc.;
  - (iii) Freight costs;
  - (iv) Loss of income from the machine due to a warranty fault;
  - (v) Use of non-genuine parts to re-instate the machine;
  - (vi) Damage caused by loose bolts, nuts or fittings.
5. Definition of Warranty Period

The warranty expiration date is determined by calendar months from date of delivery to the first owner/user and is not affected or prolonged because the machine is idle for any part of the warranty period.
6. Agriquip Warranty Procedure
  - (i) Phone Agriquip and discuss problem before attempting any repair;
  - (ii) Any parts required must be supplied by Agriquip unless authorised otherwise by Agriquip;
  - (iii) Work can only be carried out after authorisation from Agriquip.

## 10. SPARE PARTS

To replace any parts of the log splitter the customer shall use original spare parts only, by ordering them directly from Agriquip or from any authorized dealers.

When ordering please specify the contents of the machine data plate, namely:

- series
- model
- year of manufacturing
- part number (chassis)

