

# Agricouip



## Tilting Circular Saw 700 C

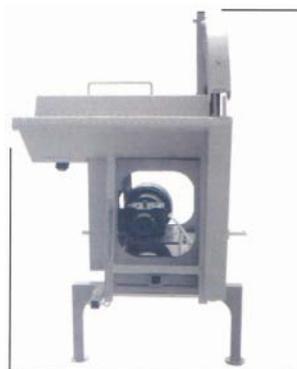
**OPERATING INSTRUCTIONS AND MAINTENANCE**  
**READ CAREFULLY BEFORE OPERATING MACHINE**



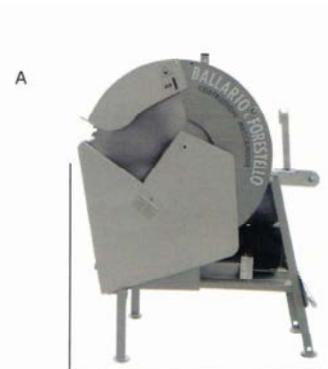
## 700C Tilting Sawbench – PTO Driven Operator Instruction & Maintenance Manual

### Technical Specifications

Height (A).....	1,250 mm
Length (B).....	780 mm
Width (C).....	1,250 mm
Saw diameter.....	700mm
Weight.....	135 kg
Power.....	10 hp
Revolutions.....	1,500 rpm
Effective cut.....	300 mm



B



C

Max Tractor PTO Speed = 350 rpm

*Agriquip would like to thank you for having chosen one of their products.*

*This too/ has been designed and manufactured solely to cut wood in order to insert it in fireplaces, stoves and wood-fired boilers.*

*Technological progress and new farming requirements mean continual efforts to improve the product, looking at the quality of materials and workmanship but above all seeking to meet customer requirements.*

*Agriquip have compiled this manual to help you use and maintain this machine. Even though the machine is easy to use it is important to carefully follow the instructions in the manual to avoid damaging the machine and injuring workers.*

*For ease of use this manual is divided into easily identifiable chapters. The instructions in this manual are for professionally trained users who must have specialised knowledge, authorisation, qualifications, and be suitably trained.*

*The use of original spare parts and accessories is recommended. The use of other makes of spare parts not only make the guarantee invalid but could be dangerous and reduce the life and performance of the machine.*

*In the event of doubt as to the meaning of the explanations in this manual, contact Agriquip or your nearest dealer who will be happy to help you quickly and to clarify any doubts you have.*

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## 1. GENERAL INFORMATION

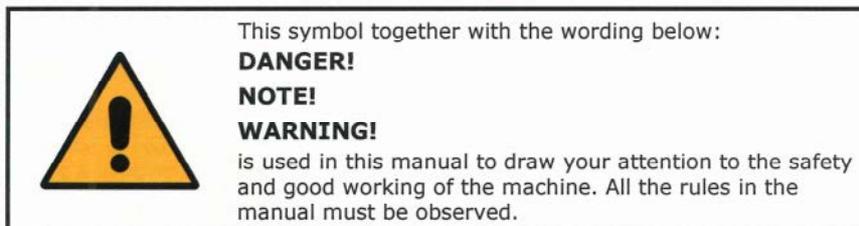
### 1.1 ABOUT THE MANUAL

This manual provides all the information for the use and maintenance of the machine. Its good performance and life depend on good maintenance and careful use.

This manual is part and parcel of the machine; it shall be kept with the machine if resold until the machine is scrapped.

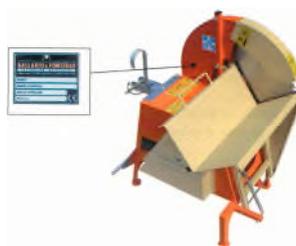
Some illustrations show details or accessories that might be different from those of your machine, some parts could have been removed to make the illustrations clearer.

Special warning decals have been applied to the machine. It is the operator's responsibility to keep them clean and replace them when they are no longer legible.



### 1.2 MACHINE IDENTIFICATION

A plaque bearing the EC mark, Manufacturer's details, Model, Serial number, Year of manufacture and the Weight of the machine appears on the body of every machine.



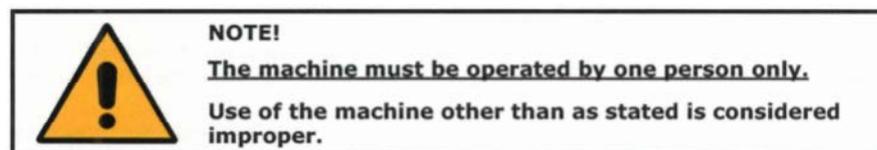
When asking for spare parts always quote the type of machine, the serial number and year of manufacture.

### 1.3 MACHINE INFORMATION

Before leaving the manufacturer this model was stringently tested to ensure it is as reliable as possible.

#### 1.3.1 PROPER & EXPECTED USE

The machine described in this manual has been designed solely to cut logs to be inserted in fireplaces, stoves, wood-fired ovens, electric stoves, barbecues, etc.



**The machine should be only used by skilled, trained personnel .**

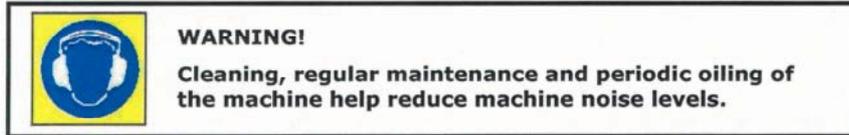
**The machine cannot be used in a closed room.**

This machine is generally intended for use during the day. Should you need any lighting, an adequate and sufficient lighting system must be used.

Whoever uses the machine must always be located frontally as to the control levers as shown in the picture.



### 1.3.2 NOISE LEVEL



Noise level tests carried out on these models of machines have pointed out an equivalent constant level of weighted acoustic pressure A (LAeq) equal to 82.1 dB(A) empty (machine idle) and 87.5 dB(A) at work.

The use of hearing protection is necessary (ear-muffs or ear plugs – Class 3 or higher).

The noise level measured does not necessarily correspond to a safe level. Even if there is a relation between sound emission and exposure levels, these data cannot be used to determine whether it is necessary to take any prevention measures. In fact, other factors can influence sound exposure, such as the characteristics of your working environment, exposure times and presence of other noise sources. However, the information given about the noise level issued by the machine should be of help to the user or the employer in evaluating the actual dangers and risks.

### 1.3.3 VIBRATION

The machine has been designed and manufactured with a view to reducing the vibrations caused by its use to a minimum. The operator does not resent the vibrations because he does not stay on the machine.

### 1.3.4 STORAGE

The machine should be stored in a sheltered place away from bad weather and be protected to avoid dust accumulation. Before storing it away, you are recommended to clean the machine carefully and lubricate all mechanical parts to prevent rust.

### 1.3.5 DISPOSAL

To dispose of the machine throw it away in a special tip observing local council bylaws.

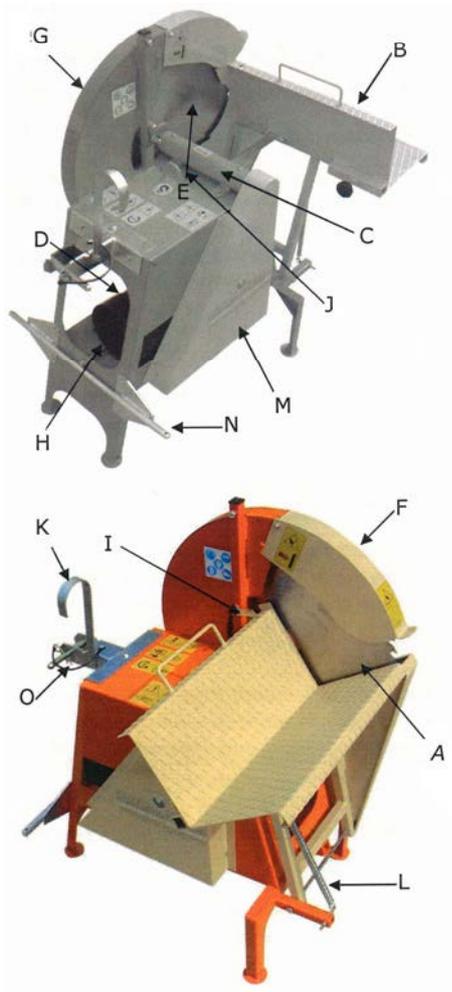
Save any unused oil and dispose of it in special waste collection centres.

Used oil must be saved and not thrown into landfill as it is designated a hazardous substance and so must be taken to a special disposal centre for collection (*usually your local garage*).

Plastic, aluminium or steel parts may be recycled normally.

## 1.4 TECHNICAL DATA AND PART IDENTIFICATION

### 1.4.1 COMPONENT IDENTIFICATION



- A) Saw blade
- B) Tilting table
- C) PTO shaft support
  - C1) Shaft
  - C2) Bearings
  - C3) Dust guard
  - C4) Pulley
  - C5) Nut
- D) Angular unit
  - D1) Pulley
  - D2) Guard
  - D3) Belts
- E) Tilt adjustment
- F) Mobile guard
- G) Top crankcase
- H) Belt tightener slide
- I) Hook to lock Tilting Table into position
- J) Lifting eyebolts
- K) PTO support
- L) Tilting table return spring
- M) Side crankcase
- N) Hoisting bar
- O) Third support
- P) Log support
- Q) Cutting length adjustment

## 2 SAFETY INSTRUCTIONS

**THE FOLLOWING SAFETY RULES ARE FOR THE OPERATOR'S SAFETY.  
THEREFORE THEY MUST BE READ CAREFULLY, MEMORISED AND ALWAYS ADHERED TO.**

Use the machines and perform periodic checks and maintenance as set out in the manual, and in accordance with current DoL Guidelines. Check the blade wear (replace it and clean it when necessary).

Lack of compliance with the norms or with basic safety precautions could cause accidents during the operation, maintenance or repair of the machine.

	<p>This symbol together with the wording below:  <b>DANGER!</b>  <b>NOTE!</b>  <b>WARNING!</b></p> <p>is used in this manual to draw your attention to the safety and good working of the machine. All the rules in the manual must be observed.</p>
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The saw has been manufactured only for splitting wood logs and any other application must be authorised by Agriquip or the manufacturer in writing.

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

	<p><b>NOTE!</b></p> <p><b>THE MANUFACTURER shall not be held responsible for any damage caused by unsuitable or improper use of the machine</b></p>
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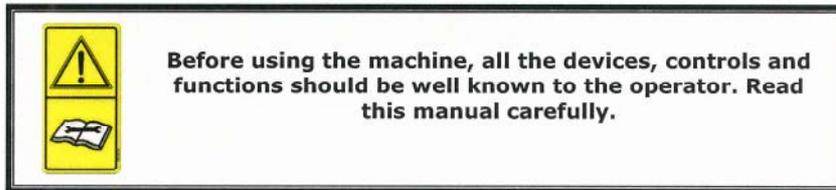
	<p><b>WARNING!</b></p> <p><b>The machine must be used only by authorized trained staff who know how it works and are aware of possible dangers.</b></p>
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### 2.1 SAFETY STANDARDS AND GENERAL SAFETY MEASURES

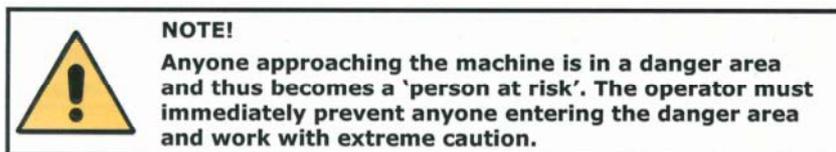
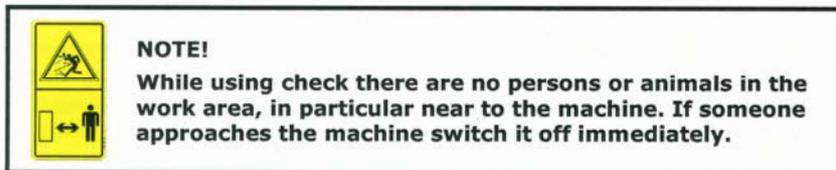
*Agriquip and the manufacturer cannot foresee all possible circumstances that might lead to a potential danger, apart from the ones that are reasonably foreseeable. The instructions in this manual and on the product concern only proper uses allowed and those hazards reasonably to be expected.*

	<p><b>WARNING!</b></p> <p><b>Check the machine carefully before using it at any time.</b></p>
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- Besides complying with the instructions contained in this manual, compliance with all the general safety and accident prevention standards is required. The machine should not work and maintenance should not be carried out until the instructions have been thoroughly read and understood.
- **It is forbidden to use the machine for cutting materials either than the ones specified in this manual.**
- All the panels applied to the machine contain a series of important instructions: compliance with them is absolutely necessary for your safety.
- Make sure that all safety pictograms are perfectly readable. Clean and replace them with new decals, if needed.



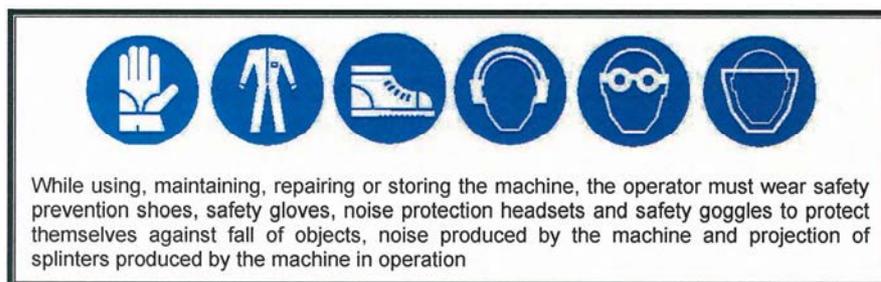
- Before using the machine, ensure all the safety devices are correctly in place and in good condition. Should the guards be damaged or broken, replace them immediately.
- Before using the saw, make sure that no person, animals or property are within its radius of operation.



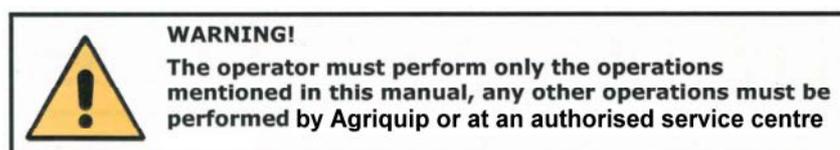
- Before using the circular saw make sure it is not damaged.
- The manual should always be kept ready for consultation to check the operating cycle at any time. Should it be lost or damaged, contact Agriquip for a replacement copy.
- **The machine should only be used by skilled, authorised and trained personnel.**



- Do not wear any loose pieces of clothing that can be pinched in the machine (sleeves with open cuffs, belts, necklaces).
- Never use this machine if you are tired, ill or under the influence of alcohol, drugs or medicines.



- The use of this machine is reserved to adults.
- Do not move the machine when it is operating.
- Never leave the saw unguarded when it is on.
- Make sure the machine has not been damaged during transportation. If so, inform Agriquip immediately.
- In particular, keep the working table clean and free from any foreign materials (debris, tools, various objects) that might damage the machine or cause the operator an accident.
- Detach the machine from tractor only on a compact flat ground, making sure it is stable and still.



- Any machine modifications could lead to safety concerns. In this case, the user shall be solely responsible for any possible accidents.
- **DO NOT tamper, remove or disconnect the guards** applied to the machine for the operator's and any third party's safety.
- Make sure the blade crankcases are effective. It must always close automatically by gravity.
- Make sure the PTO shaft guards are intact and in good conditions.



**WARNING**

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

Only use original spares supplied by Agriquip

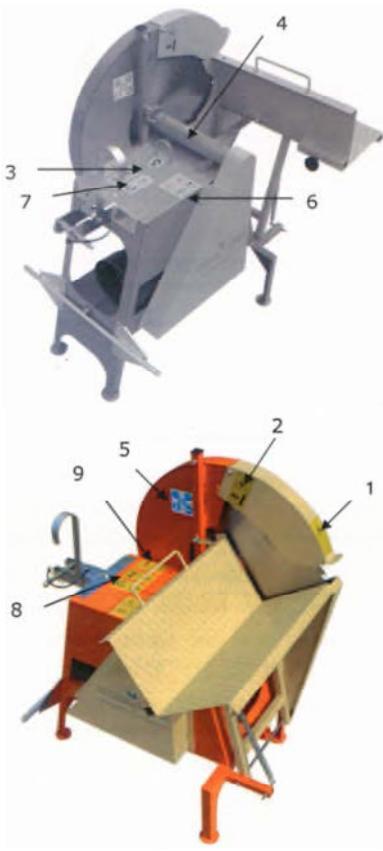
## 2.2 SAFETY DECALS

Safety labels placed on the machine provide a series of very important instructions: obeying them improves your safety.



**NOTE!**

**Check that safety labels are legible. Clean them using a cloth, water and soap. Replace damaged labels placing them in exactly the same position as described below.**



### Position of Decals on the Machine



**3. WARNING:** to lift the machine, hook it in the specified points only.



**4. Greasing points**



**5. Use the required personal protection means.**



**6. WARNING:** read the manual for use and maintenance carefully before using the machine. Before any interventions on the machine, stop tractor engine, remove key from dashboard and read your manual for use and maintenance carefully.



**7. WARNING:** check the direction of rotation and the revolutions (350 rpm) of the power takeoff of your tractor before clutching in the PTO shaft.



**8. SQUASHING** danger. Do not linger between tool and tractor



**9. DANGER:** you might be caught and dragged in. Do not approach the transmission shaft in motion with your hands.



**1. WARNING – DANGER** Make sure the blade is perfectly still before approaching it.



**2. WARNING – DANGER** hand slicing possible!

### 3. Transportation & Handling

#### 3.1 TRANSPORTATION



To hoist the machine use a safety hook in an adequate capacity and insert it in the hoisting eyebolt provided as shown in the sticker applied to the machine.

To move the machine elsewhere fix it to the three-point linkage of the tractor (see par. 3.2.2).

#### 3.2 INSTALLATION

##### 3.2.1 THE MACHINE SHOULD BE HITCHED TO THE THREE-POINT LINKAGE OF YOUR TRACTOR



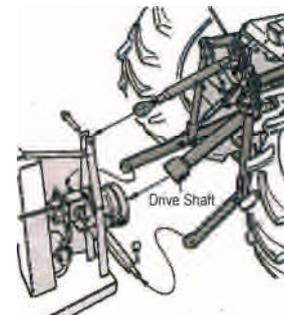
#### WARNING

**This machine can only be used if hitched to the three-point linkage of the tractor.**

- Behaviour on the road, steering capacity and braking are influenced by the equipment mounted on the machine.
- The front axle of the tractor is made light by the weight carried at the rear. Remember that the weight on the front axle must be at least 20% of the weight of the tractor empty.
- Before hitching the tool to the three-point linkage of your tractor, position the safety device of the tractor so that it cannot be lifted or lowered accidentally.
- The three-point linkage of the tractor and the one of the circular saw must coincide or be adapted.
- In the area where the tie rods of the lifting device arms at the rear of the located, squashing and cutting points still present a residual risk of injury.
- Do not use the external control for lifting the circular was.
- In transport position, lock the side blocks of the tie rods.

Approach the sawing machine with your tractor until the hoist bars coincide with the three-point linkage of the machine.

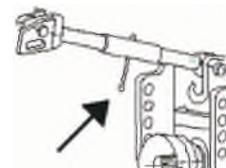
Connect them with the supplied bolts.



#### NOTE!

**Insert and block the safety pins in the pin holes and check they are blocked.**

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



#### NOTE!

**Insert and block the safety pins. Block the third point anti-unscrewing device.**

Lift the machine a few centimetres off the ground. Restrain and lock the sideways movement of the side tie rods.



#### WARNING

Take the tractor to a flat area to prevent the machine from pressing on the side tie rods.

### 3.2.2 PTO SHAFT INSTALLATION

Follow the instructions contained in the Manual for Use and Maintenance of the PTO shaft carefully.

Use a PTO shaft of an adequate length



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



**NOTE!**

**The PTO shaft must always be connected last of all to the tractor engine power supply and disconnected first of all at the end of working.**

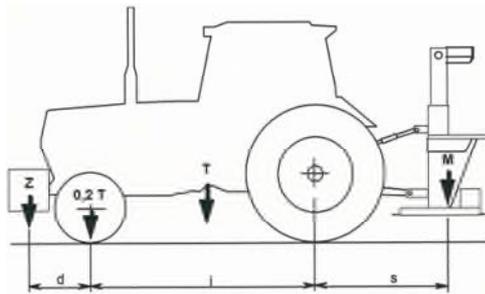
### 3.2.3 TRACTOR CARRYING CAPACITY ADJUSTMENT



**NOTE! - DANGER!**

**Before connecting the machine to the tractor engine the lifting capacity and stability of the tractor engine must be checked to avoid capsizing and/or loss of wheel stability.**

Check the carrying capacity and stability of the tractor using the formula below and if necessary apply ballast at the front.



$$Z = ((M \times s) - (0.2 \times T \times i)) / (d + i)$$

*i = Wheelbase of tractor*

*d = Distance of front axle from ballast*

*s = Overhang from rear axle of tractor*

*M = Weight of machine*

*T = Tractor + 75 kg (operator)*

*Z = Weight of ballast to apply*

### 3.2.4 ROAD TRANSPORTATION

The PTO machine model can be carried on a road by hitching it to the three-point linkage of a tractor.



**WARNING**

**The regulation panels must be mounted for road transportation because the machine is bulky.**

**Follow the LTSA rules in the Highway Code.**

When travelling on public roads besides complying with all the standards in force, particular attention must be paid to any specific instructions given in the tractor's manufacturer's manual. Choose an appropriate speed, particularly if you are towing bulky tools with considerable overhang to the back or to the front and in case of heavy traffic, winding roads or inclines.

When you are entering a public road after work, clean the tyres or the working tools first to avoid soiling the road.

The machine can also be carried on a public road by lifting the machine with a suitable hook and loading for transportation by trailer or truck in accordance with LTSA regulations.

## 4. OPERATION AND ADJUSTMENTS



**NOTE!**  
Always use the special Personal Protective Clothing (work gloves, anti-noise earphones, reinforced work boots, dust masks).

### 4.1 WORKING CYCLE



**WARNING**

Check the machine carefully before use.

**Place the machine on a ground flat and without any obstacles.**

- Apply the parking brake to block the tractor
- Release the hook locking the tilting table.
- Place the log to cut on the tilting table.
- Adjust the length of the log support with the knob so that the wood log to cut is stable.
- Set the cutting length adjusting device.
- Set tractor PTO on 350rpm.

**Max Tractor PTO Speed = 350 rpm**

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



**WARNING**

The hand holding the log while cutting must be kept as far from the blade as possible (aligned with the hand that grips the tilting table handle).



- Move the handle forward and cut.

**Do not move away from your working post when cutting to prevent the cut log from falling on your feet.**



**NOTE!**  
Do not leave the machine unattended while switched on.



**WARNING**

*Before positioning a new log for cutting make sure the cutting guide is clean.*

*In the negative, stop the circular saw by switching the tractor motor off and remove the residues with a hard brush.*

*Do not use any cloth not to injure your hands with the sharp teeth of the blade.*

- Check the characteristics of the wood you have to split (for instance knots, irregular shape, etc.).

## 5. MAINTENANCE



**WARNING**

**Any maintenance, adjustment and cleaning operation should be carried out the tractor engine off, power takeoff disconnected, hand brake pulled, start key turned off and removed from dashboard.**

Keep the machine clean and free from any deposits, dirt or grass.

If you use pressurised air or water for cleaning, wear safety goggles and mask and keep people and animals away. Never use flammable liquids.

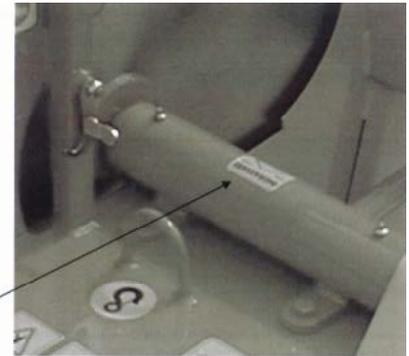
For the PTO shaft maintenance and lubrication (PTO transmission) follow the instructions given by the manufacturer.

The greasing points of the machine are shown in the picture to the right.

For greasing use a EP multipurpose lithium oil for professional applications.



GREASE EVERY 10 HOURS



### 5.1 REPLACING THE SAWBLADE



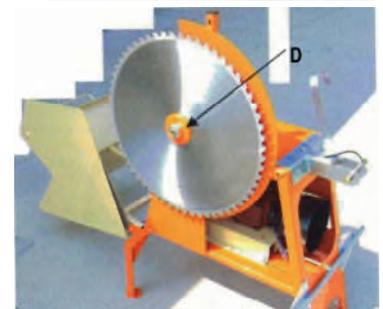
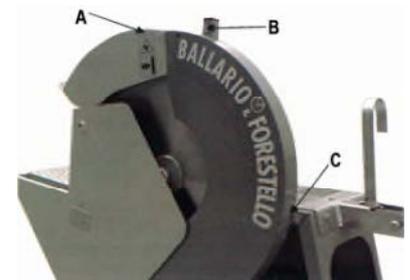
**WARNING**

**Wear an overall, a pair of safety gloves and accident prevention shoes.**

**Only use 700mm diameter sawblades of 4.3mm thickness.**

To replace the blade proceed as follows:

- prevent blade rotation by inserting a wooden wedge between circular saw and crankcase (C);
- loosen the bolts of the fixed and mobile crankcases (A) & (B);
- lower tilting table to its working position and loosen inside bolt;
- lower tilting table completely;
- loosen the blade fixing nut (D);
- replace the blade making sure you avoid the sharp teeth and adopt individual means of ensuring your safety (protective gloves are recommended);
- retighten lock nut;
- ensure the new blade is correctly centred by letting it turn slowly by hand;
- mount safety crankcases.



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

## 6. 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 materials occur in the goods of Agriquip, within 12 months from the date of original purchase, 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 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) Sawblades, 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.
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.

## 7. SPARE PARTS

For replacement machine parts the customer must only use original parts ordered directly from Agriquip or from authorised dealers.

To order quote:

Machine type  
Serial number  
Model number  
Year of manufacture  
Part number

Agriquip guarantees the availability of spare parts for a minimum period of 5 years after the end of production of the model.

This Manual is part and parcel of the machine and must be kept together with the machine in the case of resale.
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