IGLAND

User manual

Winch

6002 Pronto TLP/ 9002 Maxo TLP

Read through the entire manual before using the product. It contains important safety information.

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Thank you for choosing a winch from IGLAND!

This user manual is designed to provide you with comprehensive information on the use, installation, safety, and maintenance of the equipment.

It is important that you read this manual carefully before using the machine.

The safety of our users is our highest priority. This manual contains important information on how to use the machine safely and avoid potential hazards.

To ensure your safety, we want you to be aware of and consider that accidents, misuse, and equipment failure can lead to dangerous situations. It is important that you position yourself during work so that any accident does not result in personal injury.

The instructions provided in this manual must always be followed. Careless or incorrect use can result in serious injury or death. Modifications or other alterations to the original design of the product are made at your own risk and responsibility. It is important to note that any modification or alteration of the product will void the warranty.

If you have any questions or need assistance, please contact our service center at +47 479 20 192. Always state the type, serial number, and year of manufacture when making inquiries and ordering parts.

We are here to help you have a safe and enjoyable user experience.

Product	
IG300612	**Igland 6002**
IG300622	**Igland 9002**

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AI-translated from the original user manual

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1. OPTIONAL EQUIPMENT

FACTORY-FITTED					
PRODUCT NO.	**DESCRIPTION**	**6002 Pronto TLP**	**6002 Pronto (winch top)**	**9002 Maxo TLP**	**9002 Maxo (winch top)**
IG090656	7-pin connector	X	X	X	X
IG165103	Pullmatic (steel cable dispenser) incl. radio, for one drum	X		X	
IG165109	Pullmatic (steel cable payout) incl. radio, for both drums	X		X	

RETROFIT					
PRODUCT NO.	**DESCRIPTION**	**6002 Pronto TLP**	**6002 Pronto (winch top)**	**9002 Maxo TLP**	**9002 Maxo (winch top)**
IG091178	Radio control Igland T-200, 6 functions	X	X	X	X
IG090657	7-pin plug for radio control (factory-fitted to IG091178 only)	X	X	X	X
IG022119	Test pressure gauge for checking oil pressure	X	X	X	X
IG091442	Speed control (on/off)	X	X	X	X
IG316004	IGLAND TL three-point mounting with Ligna cushion pan, single propeller port, winch chair with top stay, protective grille		X		X
IG070987	Price supplement for IGLAND tool section for Lyng Triangle quick coupling. (only in combination with IG316004)		X		
IG070988	Price supplement for double propeller port. (only in combination with IG316004)		X		X
IG159337	Top grille, height 78 cm, width 90 cm	X	X	X	X
IG316020	IGLAND TLP three-point mount with TLP windscreen, 220 cm width, 110 cm height, double propeller port, winch chair, protective grille		X		X
IG075010	Top stay, special, factory-fitted only to IG316020		X		X

2. SAFETY INSTRUCTIONS

2.1 General safety instructions

- **Read the user manual:** Before using the winch and any additional equipment, read and review the user manual carefully to understand proper use and maintenance.
- **Area of use:** Never use the winch for lifting or other tasks for which it is not designed. The winch is only to be used for pulling timber. The manufacturer is not liable for damage or destruction caused by misuse of the equipment.
- **Safety distance:** Always observe safety distances and ensure that you maintain a safe distance from moving parts during operation.
- **Operation:** Familiarize yourself with the controls and functions of the winch. Ensure that only qualified and trained personnel use the equipment.
- **Personal protective equipment:** Always wear the necessary personal protective equipment, including a helmet, safety glasses, gloves, and safety shoes during operation.
- **Risk of crushing:** Be aware of the risk of crushing from all moving parts.
- **Risk of overturning:** Always be aware of the risk of overturning. Keep the tractor in a stable position.
- **Emergency preparedness:** Keep first aid equipment, fire extinguishers, and emergency numbers readily available in case of an accident or emergency.
- **Modifications or other alterations** to the original design of the product are made at your own risk and responsibility. It is important to note that any modification or alteration of the product will void the warranty.
- **Inspect the winch and its components regularly** for signs of wear, damage, or loose parts and screws. Replace worn or damaged parts with components approved by the manufacturer. All damage must be repaired before the winch can be used again.
- **Only use steel cables of sufficient strength.** Low-quality steel cables can cause serious damage if they break. If there is visible damage to the steel cable, replace it immediately.
- **Lubricate the winch regularly** as recommended by the manufacturer.
- **Keep a record of maintenance and repairs.** performed on the winch.

2.2 Safe use

- **Follow safety rules** to limit and prevent accidents.
- **Only use the winch** for its intended purpose.
- **Ensure that the tractor and equipment you are using are in good condition** and have undergone regular maintenance checks. Never use steel cables that do not have sufficient strength.
- **Never stand** below the timber and tractor when winching on sloping terrain, or between the winch, timber, and tractor when pulling.
- **Keep a safe distance** from timber being pulled in. Stumps or other obstacles can cause the timber to tip up or sideways.
- **Drive in a smooth and steady manner.** Avoid sudden jerks and jolts when using the winch.
- **Do not overload** the winch's rated capacity or the tractor's towing capacity.
- **Do not pull at an angle greater than 30 degrees sideways.** Sloping terrain increases the risk of tipping.
- **Keep away from the PTO shaft and other moving parts** that may cause a risk of crushing or entanglement.
- **Be especially careful when pulling heavy loads,** as this can cause the tractor to shift or tip over.
- **Ensure that all bystanders** are at a safe distance from the tractor and winch during operation.
- **Never touch** steel cables, pulleys, or other components that are moving or under tension.
- **Avoid wearing scarves and other loose clothing** that could get caught in the PTO shaft and other equipment.
- **Be especially careful** when working in extreme weather conditions, such as heavy rain, snow, or strong winds, as this can increase the risk of accidents.
- **Hang up the snow chains** so that they do not get caught in the wheel chains during transport.

2.3 Storage

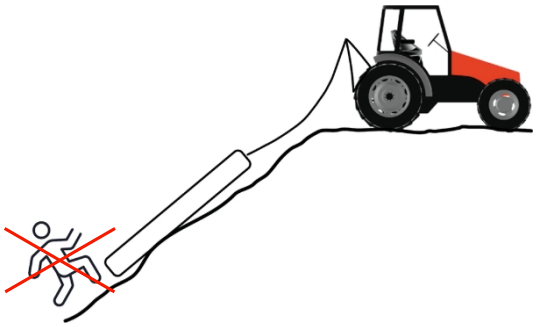
- Store the winch in a dry and secure place.
- Prevent children from climbing or playing on or near the winch.
- Park the winch on a firm and level surface when it is stored or not in use.

2.4 Checklist before use

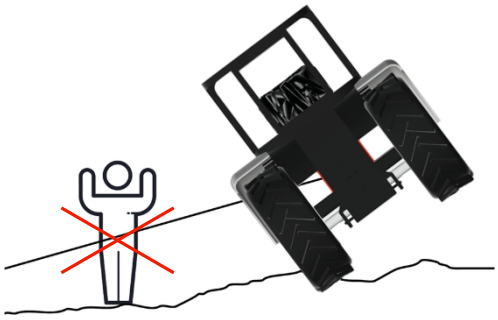
- Always inspect the winch for wear and damage before use. Any damage must be repaired by qualified personnel before the equipment is used again.
- Ensure you have a full overview of the work area.
- Keep children away from the work area.
- Ensure that covers, guards, and components are in good condition.
- Check hydraulic hoses and couplings for kinks or leaks.
- Check that there is no damage to cables.
- Check hydraulic hoses and couplings.
- Lubricate the machine as specified.
- Check that the winch is in neutral with the switch in the neutral position.
- Check that the radio control is working properly.
- Ensure that all moving parts are clean enough for use.
- Follow safety rules to limit and prevent accidents.

2.5 Safe Operation

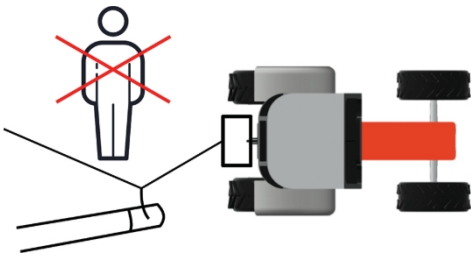
- Never use the winch for lifting or other tasks for which it is not designed. The winch should only be used for pulling timber.
- Avoid standing below the timber and tractor when winching on sloping terrain.
- Always use the pawl brake when pulling uphill.
- Avoid sudden jerks and jolts when using the winch.
- Be careful when pulling heavy loads, as this can cause the tractor to shift or tip over.
- Do not pull at an angle greater than 30 degrees. Pulling at an angle increases the risk of tipping.
- Ensure that the tractor is in good condition and perform regular maintenance checks.
- Do not exceed the winch's rated capacity or the tractor's towing capacity.
- Never stand between the winch cable and the tractor when pulling.
- Ensure that all spectators are at a safe distance from the tractor and winch during operation.
- Keep a safe distance from timber being pulled in. Stumps or other obstacles can cause the timber to tip up or sideways.
- Do not touch steel cables, pulleys, or other components that are moving or under tension.
- Keep away from the PTO shaft and other moving parts that pose a risk of crushing or entanglement.
- Never pull in both drums with a load at the same time.



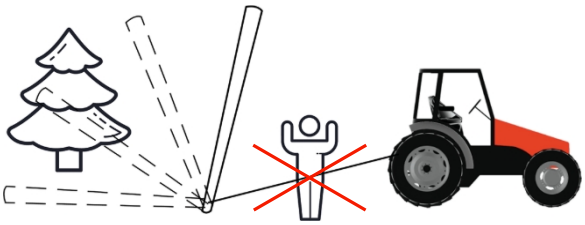
2.5.1 *Do not walk behind the log tow on steep slopes.*



2.5.2 *Do not position yourself in such a way that you are at risk if the tractor or other equipment overturns.*

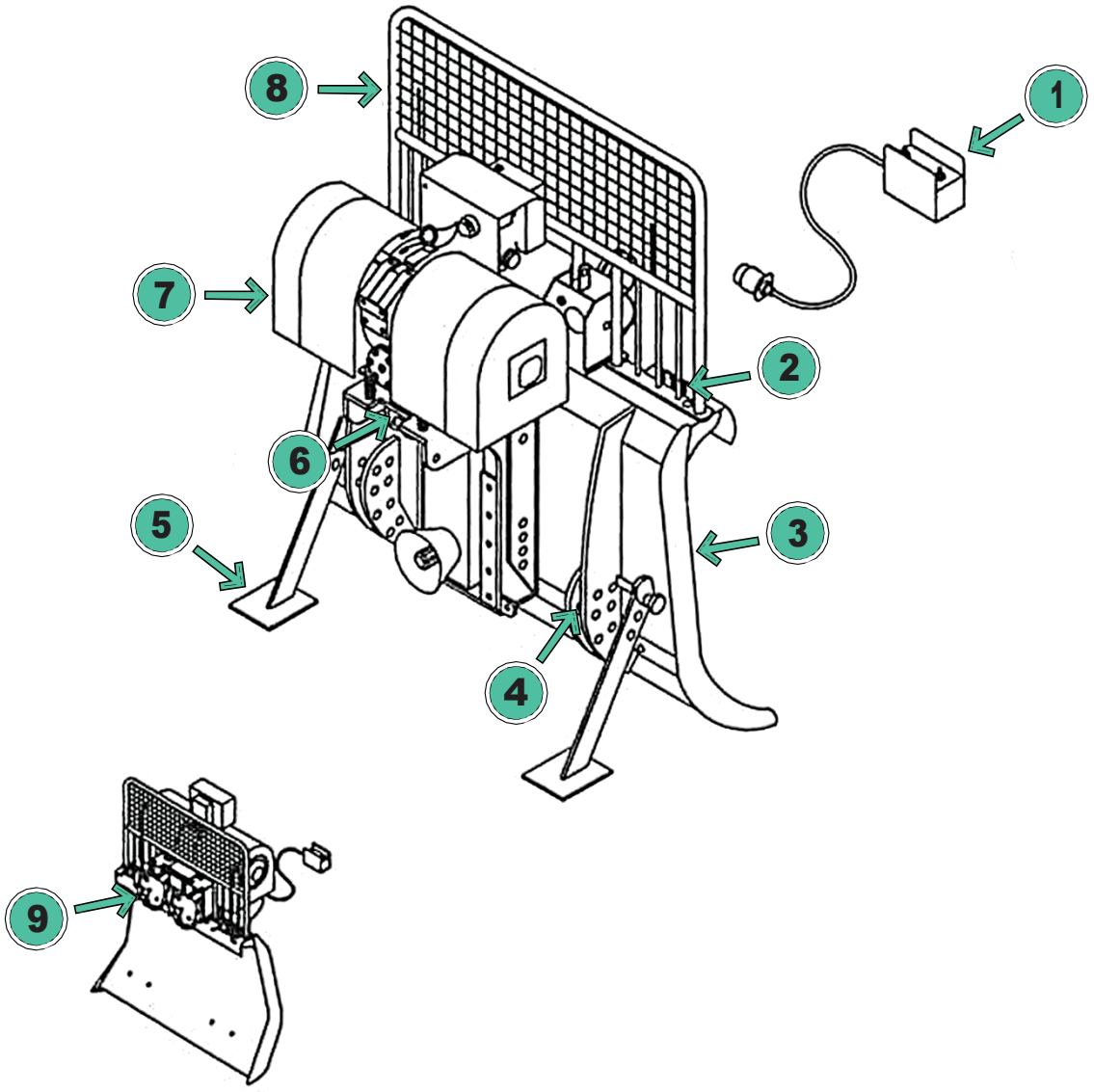


2.5.3 *If the steel cable is at an angle, never position yourself on the inside of the angle.*



2.5.4 *Obstacles can cause the timber to tip up or sideways*

3. MAIN COMPONENTS



No.	Main Components		
1.	Control panel	6	Top stay attachment
2.	Suspension for timber	7	Inspection cover
3.	Lunnepanne	8.	Protective grille
4.	Drawbar bolt	9.	Door section
5.	Parking leg		

4. TECHNICAL SPECIFICATIONS

Igland 6002 TLP	
Rollers	2
Operation	Radio (electro-hydraulic)
Maximum traction (empty drum)	60 kN (6 tons)
Maximum pulling force (full drum)	32 kN
Brake	Brake band (automatic)
Braking force (empty drum)	75 kN
Braking force (full drum)	40 kN
Height/width/depth	185/220/98 cm
Weight (without steel cable/optional equipment)	838 kg
Theoretical steel cable capacity	147 m, 10 mm (compact)
Recommended steel cable	70 m, 10 mm (compact)
Recommended tractor size	52-88 kW (70-120 hp)
Connection to tractor	Three-point
Height of PTO pin	65-77 cm

Igland 6002 winch top	
Drums	2
Operation	Radio (electric-hydraulic)
Maximum pulling force (empty drum)	60 kN (6 tons)
Maximum pulling force (full drum)	32 kN
Brake	Brake band (automatic)
Braking force (empty drum)	75 kN
Braking force (full drum)	40 kN
Height/width/depth	76/85/58 cm
Weight (without steel cable/optional equipment)	378 kg
Theoretical steel cable capacity	147 m, 10 mm (compact)
Recommended steel cable	70 m, 10 mm (compact)
Recommended tractor size	52-88 kW (70-120 hp)
Connection to tractor	Standard winch top mount
Height of PTO pin	-

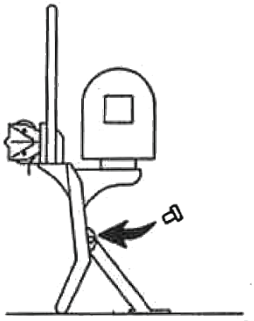
Igland 9002 TLP	
Drums	2
Operation	Radio (electric-hydraulic)
Maximum traction (empty drum)	90 kN (9 tons)
Maximum pulling force (full drum)	44 kN
Brake	Brake band (automatic)
Braking force (empty drum)	113 kN
Braking force (full drum)	55 kN
Height/width/depth	185/220/98 cm
Weight (without steel cable/optional equipment)	877 kg
Theoretical steel cable capacity	131 m, 12 mm (compact)
Recommended steel cable	70 m, 12 mm (compact)
Recommended tractor size	From 59 kW (80 hp)
Connection to tractor	Three-point
Height of PTO pin	65-77 cm

Igland 9002 TLP winch top	
Drums	2
Operation	Radio (electric-hydraulic)
Maximum pulling force (empty drum)	90 kN (9 tons)
Maximum pulling force (full drum)	44 kN
Brake	Brake band (automatic)
Braking force (empty drum)	113 kN
Braking force (full drum)	55 kN
Height/width/depth	82/92/61 cm
Weight (without steel cable/optional equipment)	418 kg
Theoretical steel cable capacity	131 m, 12 mm (compact)
Recommended steel cable	70 m, 12 mm (compact)
Recommended tractor size	From 59 kW (80 hp)
Connection to tractor	Standard winch mount
Height of PTO pin	-

5. ASSEMBLY

5.1 Preparation

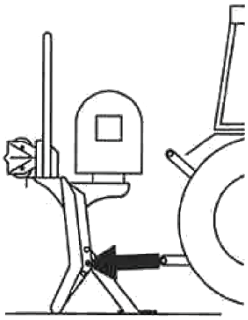
Always wear protective equipment.
The lifting eye should only be used for lifting from the top, not for winching with a sling!
Place the parking legs in the parking position and place the winch on a flat and firm surface.



5.1.1 Parking legs

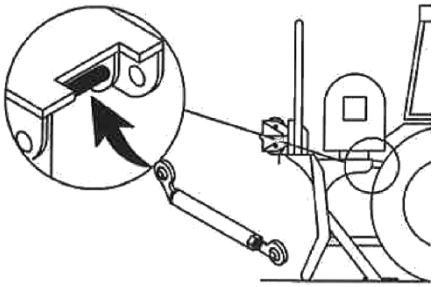
5.2 Mounting on tractor

Select holes/bolts for drawbars of the appropriate height and category.



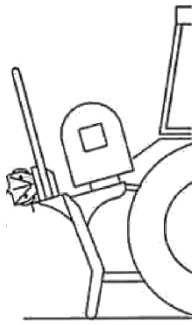
5.2.1 Attach the drawbars.

Connect the top bar.



5.2.2 Top link

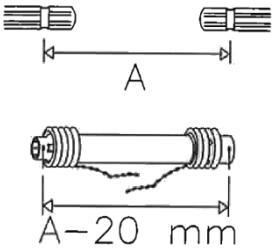
Adjust the top link so that the winch tilts 10-20 degrees backward.



5.2.3 Working angle of the winch

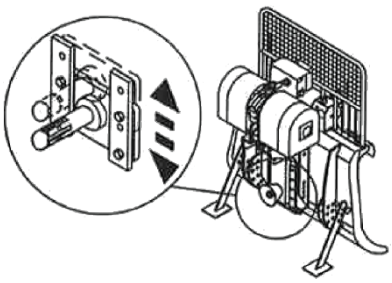
Make sure that the winch does not collide with the tractor cab when it is lifted.

Cut the PTO shaft (power transmission shaft) to the appropriate length before mounting. The correct length is 20 mm shorter than the distance between the pin on the winch and the tractor – measured horizontally. The shaft is cut according to the manufacturer's instructions.



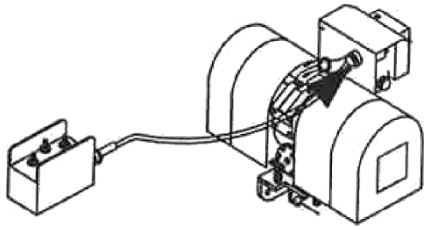
5.2.4 PTO length

The power transmission shaft must be as horizontal as possible. Adjust the PTO height on the winch if necessary. The chain must also be adjusted accordingly.



5.2.5 Adjusting the PTO height

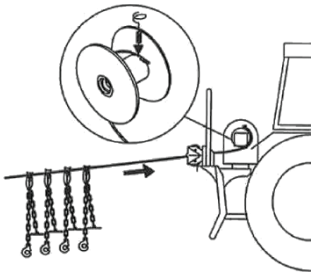
Connect the 7-pin plug to the tractor for power supply. Connect the control panel or radio to the winch.



5.2.6 Control panel

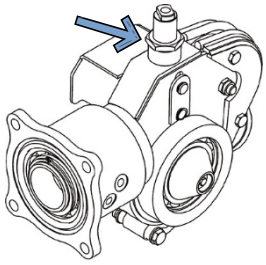
5.3 Mounting the steel cable

Unroll the steel cable to its full length, or use a tool that can unroll it while winding it onto the winch. Thread the steel cable through the pulley, under the drum, and attach it to the drum with a set screw.



5.3.1 Steel wire rope

If the winch has a pullmatic, the tensioning screw must be loosened before the steel cable is threaded through the pulley. Tighten again before winding. Ensure that the steel cable is wound tightly on the drum.



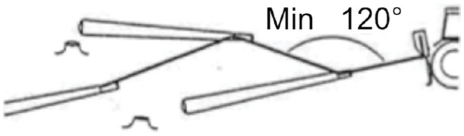
5.3.2 Tightening the pullmatic

6. USE AND OPERATION OF THE WINCH

6.1 General use of the winch

Back the tractor as close to the timber as possible. The maximum angle for retraction is **30 degrees** to each side.

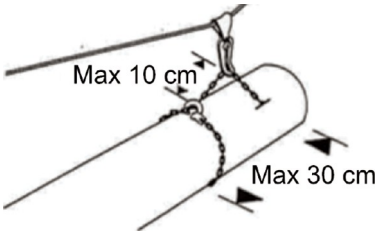
Smaller logs can be secured in a herringbone pattern. Avoid sharp angles on the cable.



6.1.1 Minimum angle for herringbone pattern

Avoid sudden movements, as the timber may react slowly.

Secure the timber **up to 30 cm** from the end.



6.1.2 Recommended strapping

Maximum 10 cm chain between the hook and the slider.

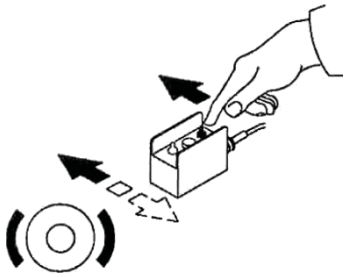
Be aware of the winch's limitations.

Loosen the drag brake if the steel cable is too heavy to pull out. Tighten the drag brake if the drum spins. Release the load slowly to prevent the cable from twisting.

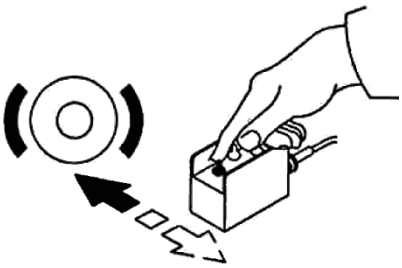
Lower the winch so that the winch base is on the ground and apply the parking brake on the tractor.

See separate manual for radio remote control.

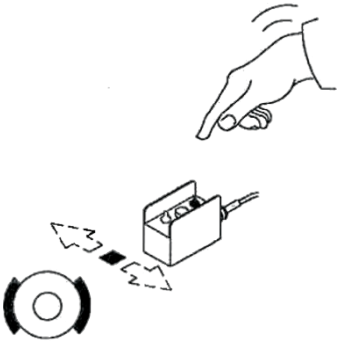
6.2 Operation and explanation of symbols



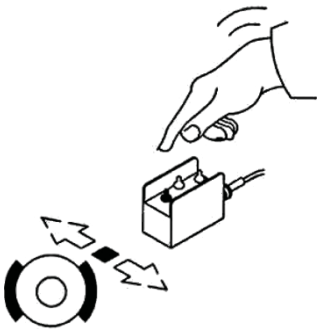
6.2.1 Free (right drum)



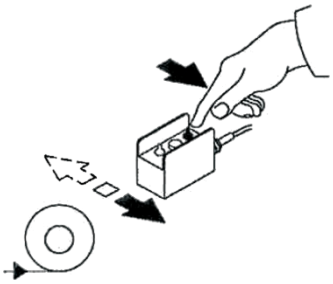
6.2.5 Free (left drum)



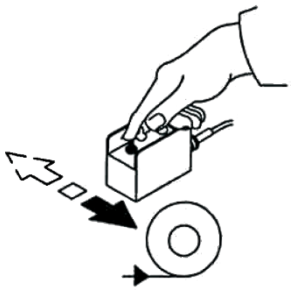
6.2.2 Brake (right drum)



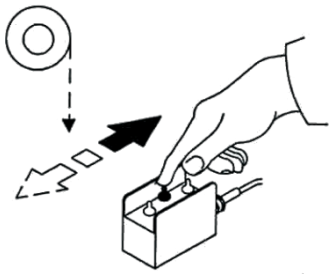
6.2.6 Brake (left drum)



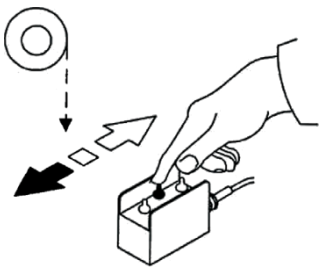
6.2.3 Pull in (right drum)



6.2.7 Retract (left drum)



6.2.4 Brake release (right drum)



6.2.8 Brake release (left drum)

7. MAINTENANCE

Put the PTO in neutral and stop the engine before performing maintenance on the winch. The PTO shaft is maintained according to the manufacturer's instructions.

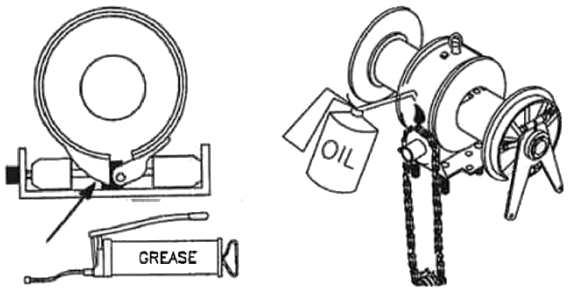
7.1 Service table

Winches 6002, 9002

Interval	Component	Description
First 10 hours	Lubrication points	Lubricate with grease
	Screws and nuts	Retighten
	Chain drives	Check chain tension
Every 50 hours	Moving parts	Lubricate with oil
	Chain drives	Check chain tension
	Chain drives	Lubricate with chain spray or grease.
	Check the winch oil level	Refill if necessary
Annually	Worm gear	Change oil. 2.5 l SAE 80/90
	Oil tank, hydraulics	Change oil. 1.5 l Castrol AWH-32
	Oil filter, hydraulics	Replace
	Check clutch wear	Normal movement on pressure plate is 2.5-4 mm. Readjust if movement exceeds 4 mm. Replace clutch disc if thickness is less than 8 mm
	Check wear on brake band	Retighten if necessary

7.2 Lubrication points

Avoid oil spills on the clutch and getting oil/grease on the brake band.



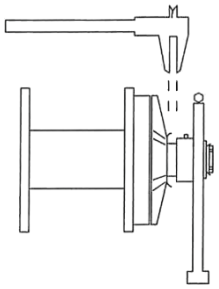
7.2.1 *Brake bolt and chain*

Check the oil level in the winch and top up if necessary.

7.3 Inspection of the clutch

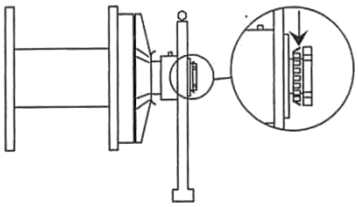
Check the travel on the clutch. The travel should be 2.5-4 mm

Start the winch, pull out 2-3 meters of steel cable and pull in 50 cm again. Stop the tractor, but leave the lights on so that the radio is powered. Remove the drum cover. Press the retract button on the control and measure the travel. Alternatively, the test can be performed by clamping the pressure plate with 2-3 clamps. Normal movement is 2.5-4.0 mm. If the movement exceeds 4.0 mm, the clutch must be adjusted.

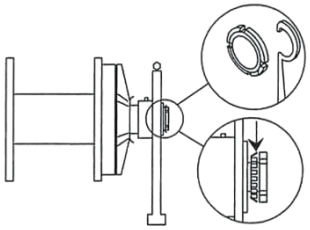


7.3.1 *Measuring the clutch travel*

Open the lock ring and tighten the nut if necessary. One turn tightens the nut by 2 mm. Lock the nut again after tightening.

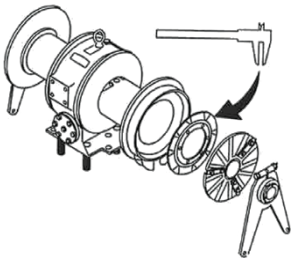


7.3.2 *Loosen the lock washer*



7.3.3 *Adjustment and lock*

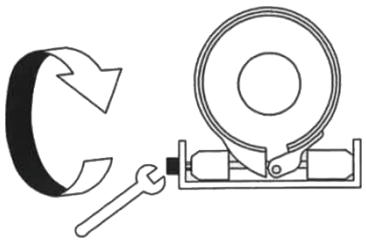
To check the clutch lining, the bearing, cylinder, and pressure plate must be removed. Measure the thickness and replace the clutch if the total thickness is less than 8 mm.



7.3.4 *Measuring the brake lining*

7.4 Adjusting the brake

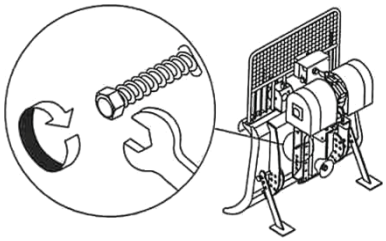
Tighten the bolt on the brake spring to adjust the brake.



7.4.1 Tightening the brake

7.5 Adjusting the chain

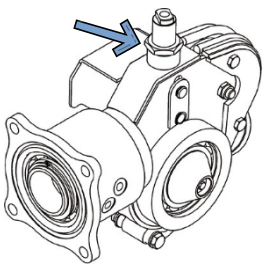
Check the chain for slack and remove any slack by tightening or shortening the chain. The chain lock is attached with the closed side in the direction of travel. Tighten the chain after first use.



7.5.1 Chain tensioner

7.6 Pullmatic

The springs on the Pullmatic are tightened if the sprocket has too little friction. If the tension is too high, it will be more difficult for the feed mechanism to pull out the cable. The Pullmatic function is designed to help pull out the steel cable, but not to loosen steel cables that have become jammed on the drum. Damage to the steel cable can cause problems with feeding.



7.6.1 Tightening the Pullmatic

NOTES

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