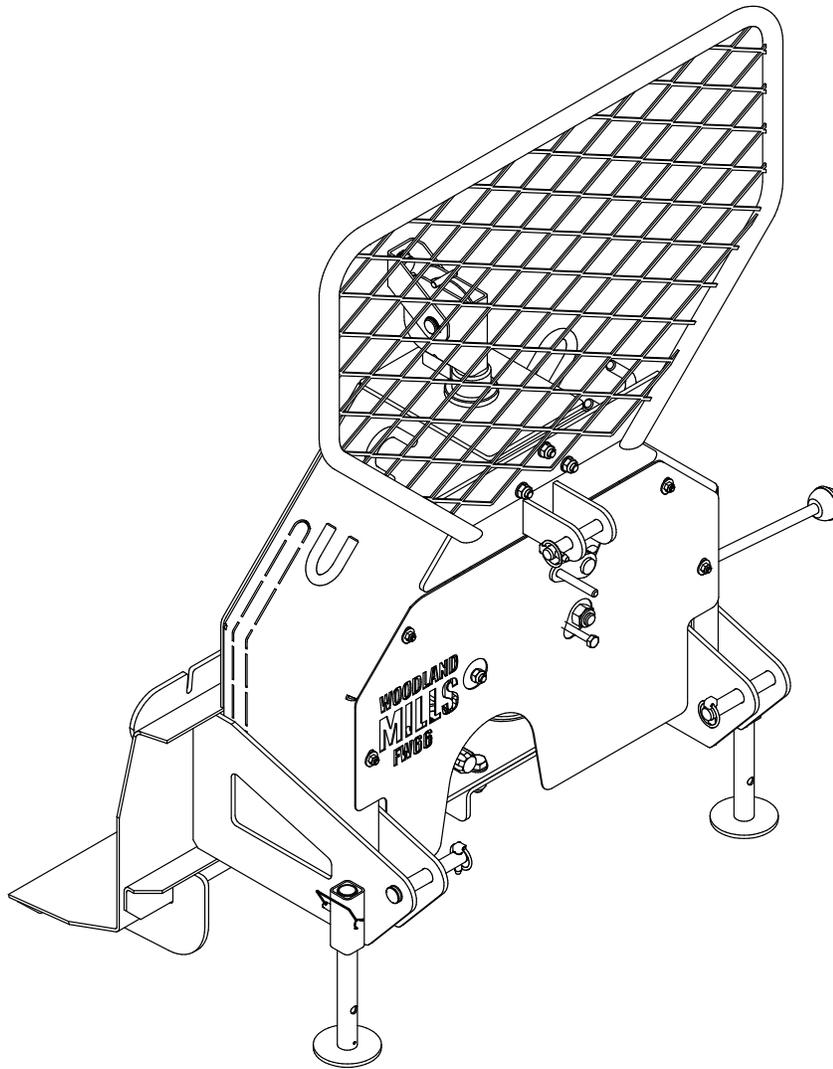


FW66 FORESTRY WINCH

FW66

19/02/2016



Owner's Manual





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INTRODUCTION

Congratulations on your purchase and welcome to Woodland Mills. This manual gives you the necessary information about your machine so you will be able to use it properly. The entire manual must be read and understood before you start using the machine. If any questions should arise that are not covered by this manual, please contact our customer service at 1-855-476-6455.

OWNER'S RECORD

Please take a moment to record the following information about your forestry winch. If you need to call for assistance, please be ready to provide your model and serial numbers. This information will allow us to help you more quickly when you call.

MODEL NUMBER

SERIAL NUMBER

DATE OF PURCHASE

This machine is designed for certain applications only. We strongly recommend this machine is not modified and/or used for any application other than that for which it was designed. If you have any questions relative to a particular application, DO NOT use the machine until you have first contacted us to determine if it can or should be performed on the product.

For technical questions and replacement parts, please contact Woodland Mills Inc. at 1-855-476-6455



INTENDED USE

This forestry winch is designed for winching logs while the winch is firmly supported on the ground.

TECHNICAL SPECIFICATIONS

Capacity	6600 lbs (30kN)
Length of Cable	164 ft (50m)
Diameter of Cable	5/16" (8mm)
Winching Speed	120-225 ft/min (0.6–1.15 m/s)
Weight	530 lbs (241 kg)
Dimensions – L x W x H	29" x 48" x 58" (740mm x 1210mm x 1480mm)
PTO Input	540 RPM

GENERAL SAFETY RULES



WARNING!

Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.



WARNING!

The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions or situations that could occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

NOTE: All Federal and State laws and any regulation having jurisdiction covering the safety requirements for use of the machine take precedence over the statements in this manual. Users of this machine must adhere to such regulations.

Only people that have read and understood these instructions are able to use the winch. (With winch can work only these persons who have learned to work with winch, who have studied current manual and persons who are suitable to work with this machine.)

Inspect the winch and tractor at the beginning of every working day and repair any defects.

Stop the engine and make sure that the machine will not start accidentally while repairing defects or doing maintenance.

It is forbidden to remove the winch's safety devices or render them inactive.

Controlling the winch has to happen at least 5 m from the winch using a rope.

The tractor and the winch have to be put into a stable position. Check that the winch wire is pulling straight on the log.

All personnel that use the winch need to be sure that nobody is in danger. Safety area (100 m from the winch) should be marked.



It is forbidden to sit on the moving log.

It is forbidden to touch tensioned wire when it is spooling into the machine.

The size of pulled logs has to be fitted to the conditions like landscape, topography, and capacity of the winch, coupling instruments, weather.

While hooking logs, be sure that the hooking devices are fixed.

Check cables, hooks, and chains. Remove defects immediately. Damaged wire cannot be used. Replace wire immediately. While checking the wire, look for: corrosion, changes of the shape, or broken cable strands.

Upon replacing the hooks, wire or cable, the rated strength has to be at least 2 times that of the winch's maximum pulling power.

Wire and hooking devices may not be dragged on the ground while driving.

Do not use the winch as a plough.

PERSONAL SAFETY

-  **Stay alert**, watch what you are doing and use common sense when operating the machine. Do not use the machine while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating machines may result in serious personal injury.
-  **Dress properly**. Do not wear loose clothing, dangling objects, or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts. Air vents often cover moving parts and should be avoided.
-  **Use safety apparel and equipment**. Use safety goggles or safety glasses with side shields which comply with current national standards, or when needed, a face shield. Use a dust mask in dusty work conditions. This applies to all persons in the work area. Also use safety shoes, hardhat, gloves, dust collection systems, and hearing protection when appropriate.
-  **Do not over reach**. Keep proper footing and balance at all times.
-  **Remove adjusting keys or wrenches** before connecting to the power supply or turning on the tool. A wrench or key that is left attached to a rotating part of the tool may result in personal injury.
-  **Never conduct any maintenance or make any other adjustments when the engine is running**. Always shut the engine off, remove the ignition key, and keep the engine off before carrying out any of the aforementioned procedures. Consult your engine manual for safe shutdown procedures to prevent accident ignition.

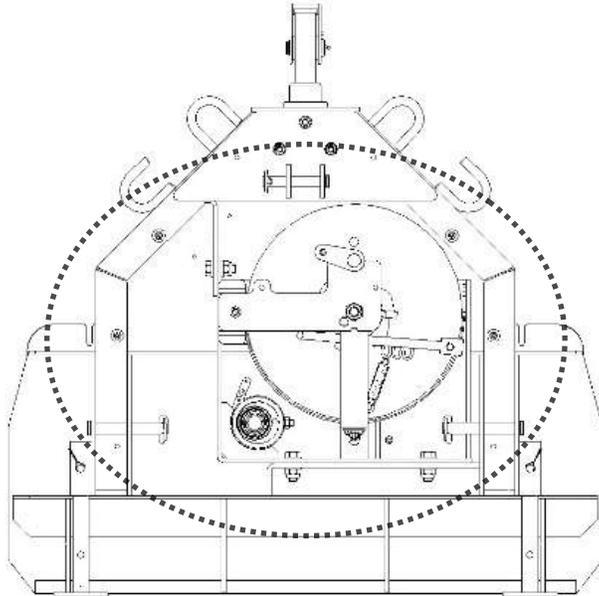


TOOL USE AND CARE

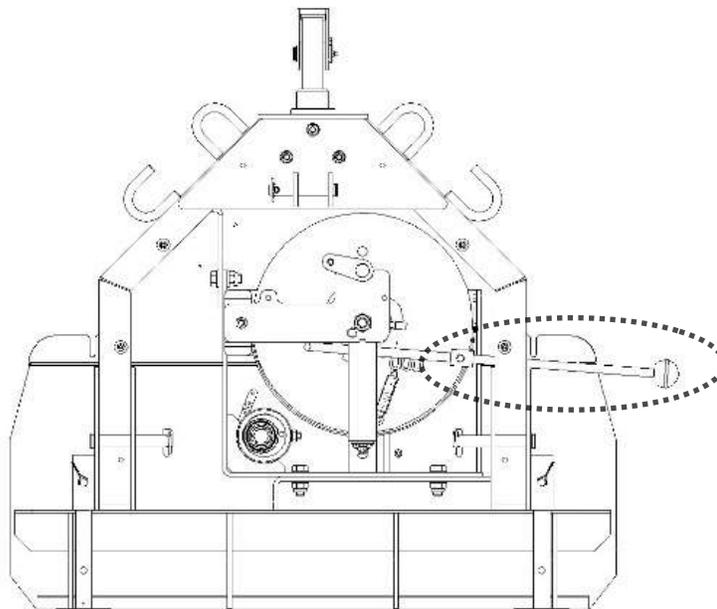
- ⚠ **Always** be sure operator is familiar with proper safety precautions and operation techniques before using machine.
- ⚠ **Do not force the machine.** Machines do a better and safer job when used in the manner for which they are designed.
- ⚠ **Never use the machine** with a malfunctioning switch or clutch. Any machine that cannot be controlled with the switch is dangerous and must be repaired before using.
- ⚠ **Storing the machine.** When the machine is not in use, store it in a dry, secure place or keep well covered and out of the reach of children. Inspect the machine for good working condition prior to storage and before re-use.
- ⚠ **Maintain the machine.** It is recommended that the general condition of the machine be examined before it is used. Keep the machine in good repair by adopting a program of conscientious repair and maintenance in accordance with the recommended procedures found in this manual. If any abnormal vibrations or noise occurs, turn the machine off immediately and have the problem corrected before further use.
- ⚠ **Keep the cable clean.** A properly maintained cable is less likely to bind and is easier to control.
- ⚠ **Cleaning.** Use only soapy water, hose and a damp cloth to clean the machine. Use of a pressure washer may introduce water into areas of the machine resulting in malfunction or damage.
- ⚠ **Use only accessories that are recommended** by the manufacturer. Accessories that may be suitable for another machine may create a risk of injury when used on this machine.
- ⚠ **Always** operate the machine with all safety devices and guards in place and in working order. DO NOT modify or make changes to safety devices. DO NOT operate the machine if any safety devices or guards are missing or inoperative.
- ⚠ **Never leave the machine running unattended.**
- ⚠ **Never use the machine to winch anything other than lumber** or for any purpose other than winching lumber as described in this manual.

FORESTRY WINCH ASSEMBLY

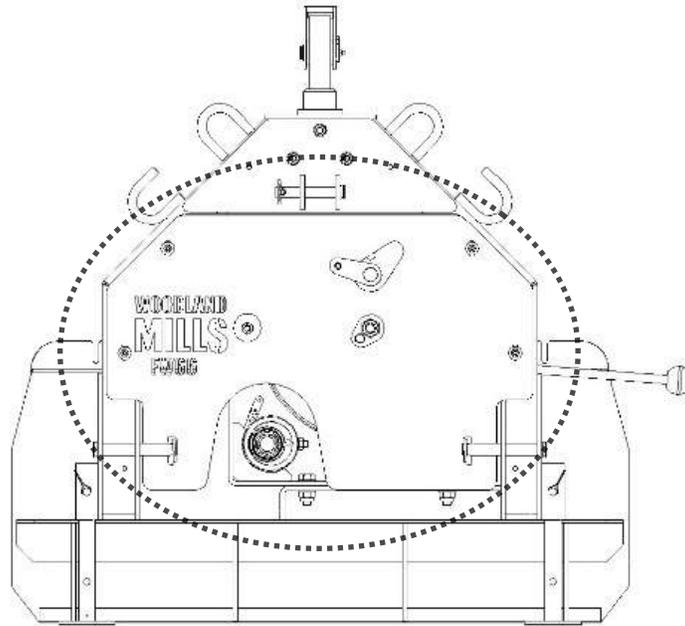
1. Remove the cover.



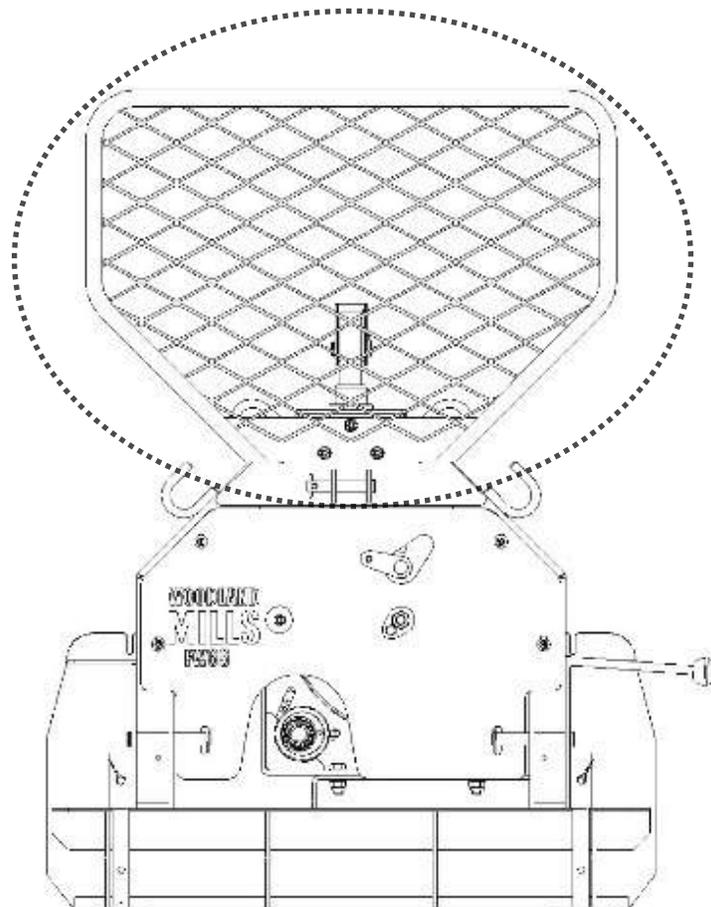
2. Install the handle.



3. Install the cover.



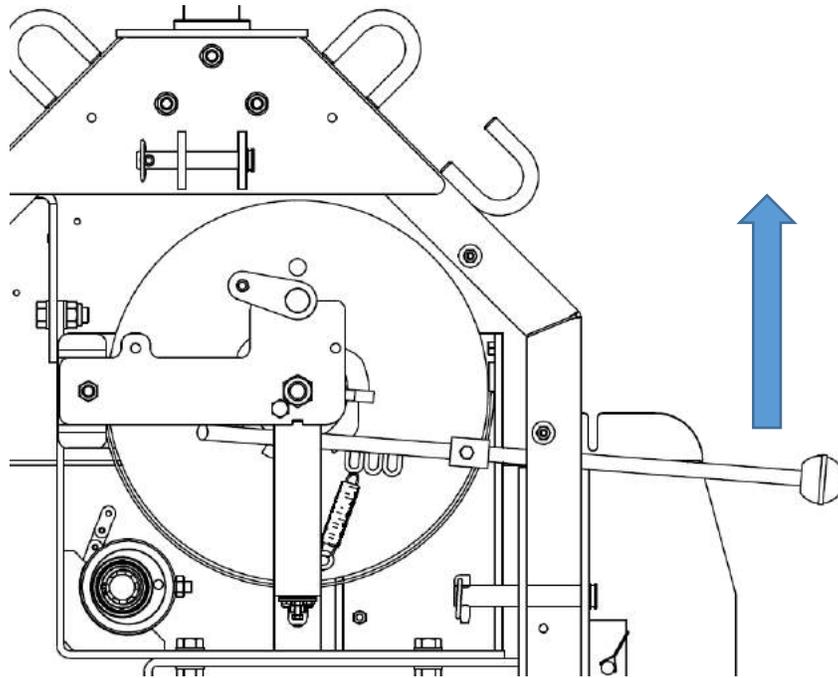
4. Install the cage.



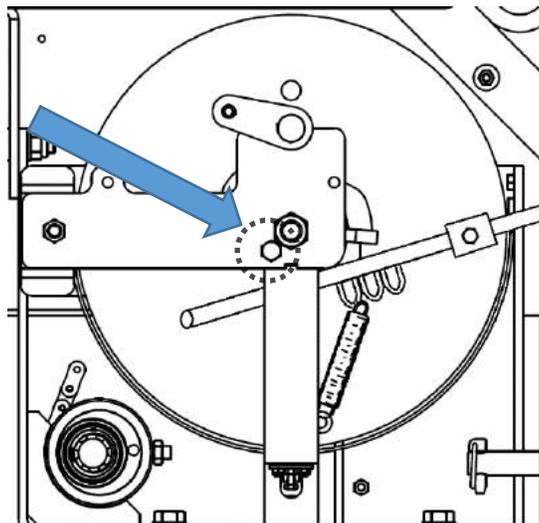
FORESTRY WINCH SET-UP PROCEDURES

To increase the pulling force of the clutch, the below steps may be taken.

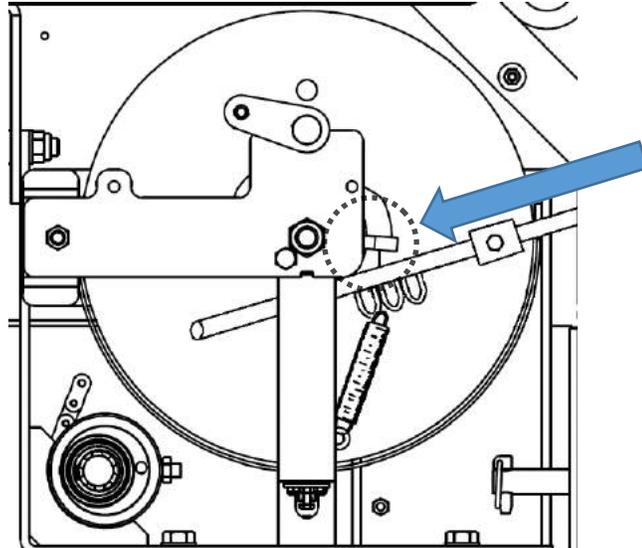
1. Lift Handle



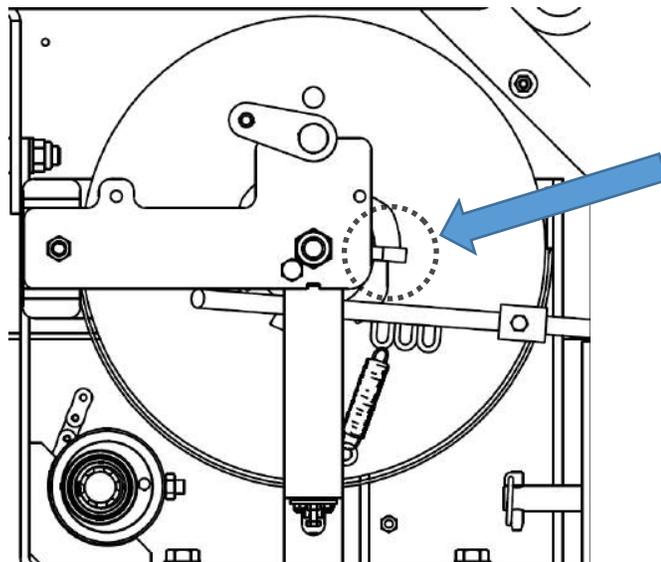
2. Tighten bolt



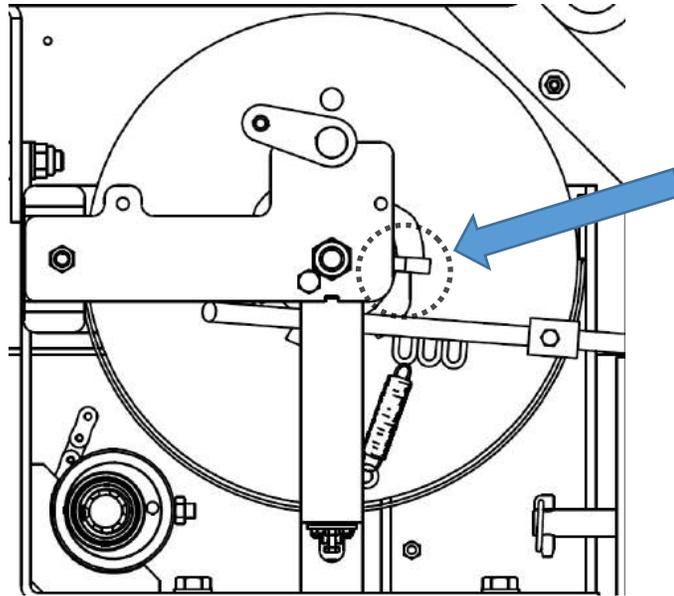
3. Loosen jam nut



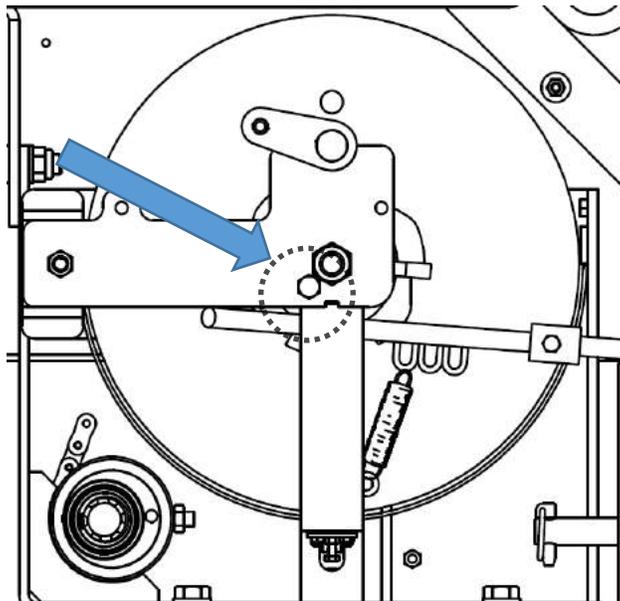
4. Loosen set screw (handle will drop down)



5. Tighten set screw and jam nut.

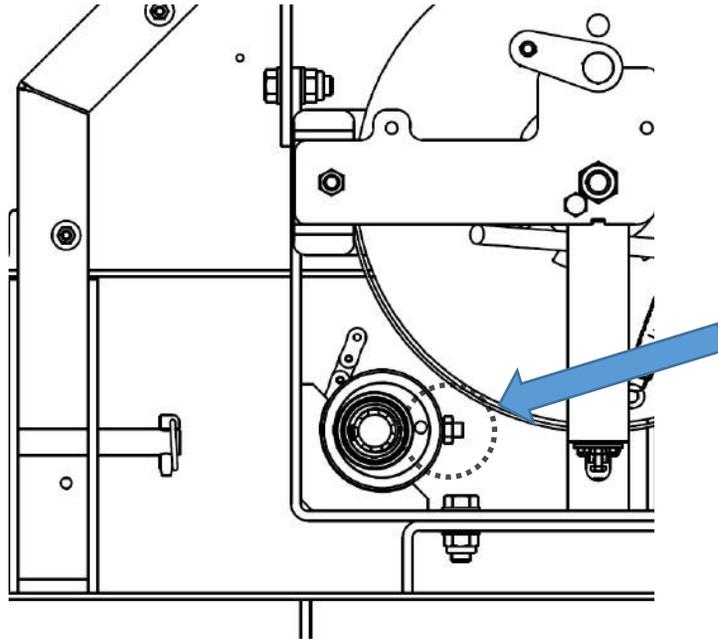


6. Loosen bolt back off.

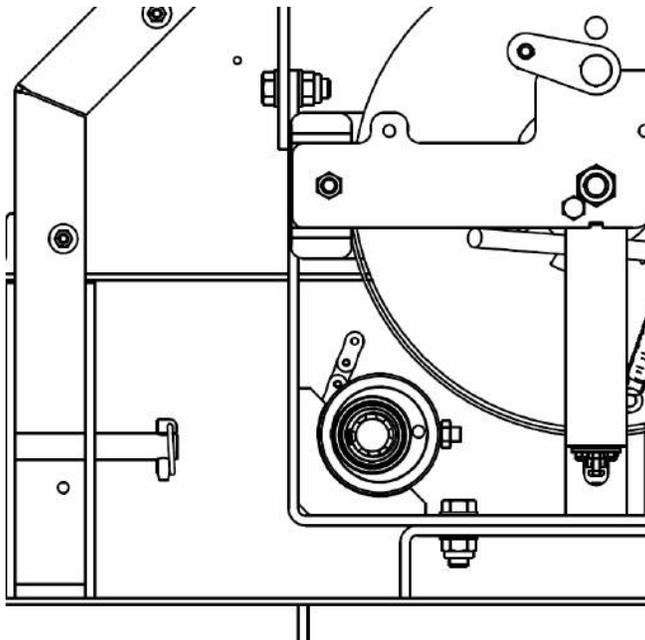


Chain Adjustment

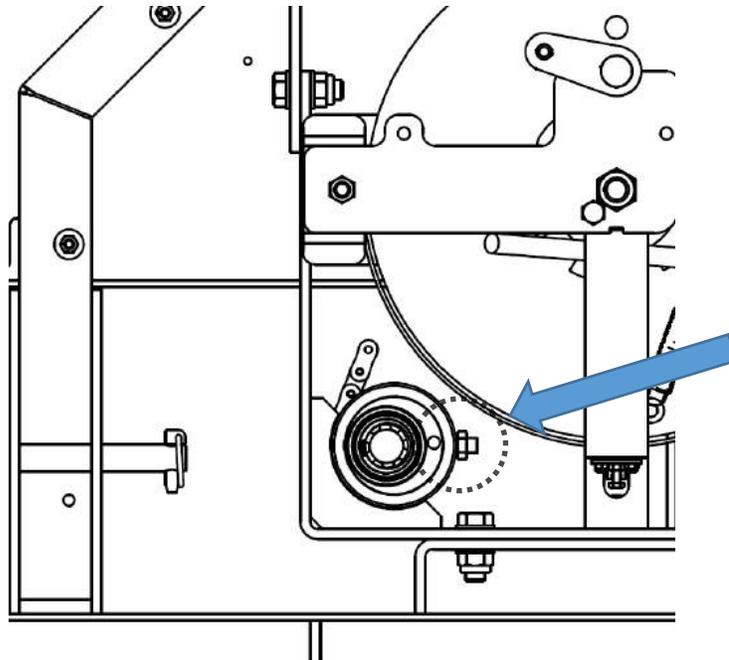
1. Loosen jam nut and set screw.



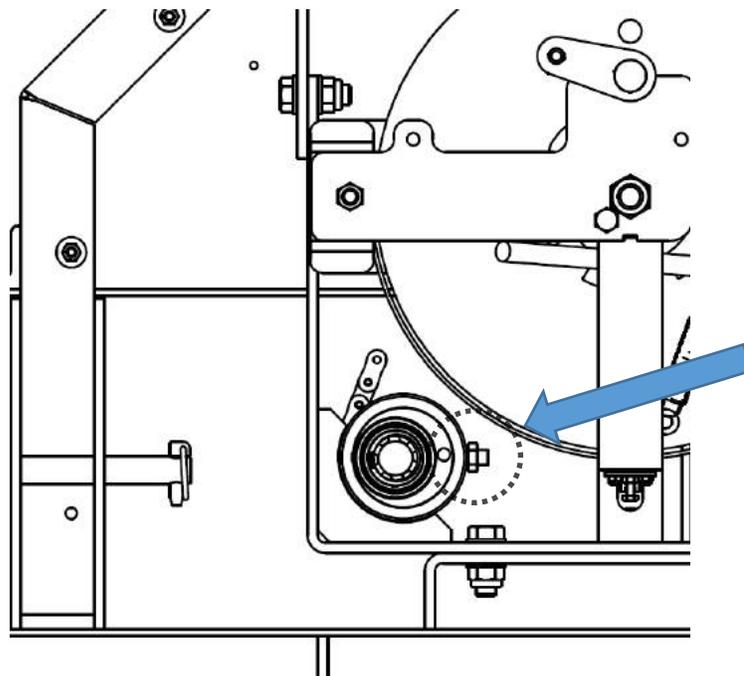
2. Rotate eccentric wheel until desired chain tension is reached.



3. Tighten set screw



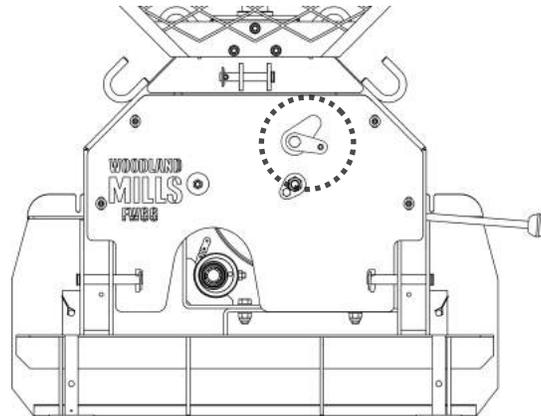
4. Tighten jam nut



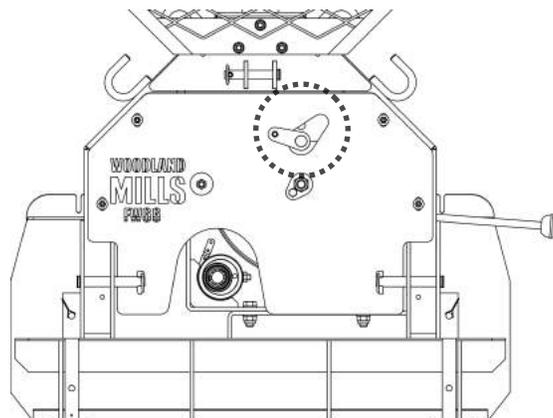


EQUIPMENT OPERATION

1. Wear heavy-duty work gloves, ANSI-approved goggles behind a full face shield, and steel-toed work boots.
2. Position the tractor in a safe and level area and put the parking brake on.
3. Lower the forestry winch down to the ground.
4. Engage the tractor PTO shaft so that it is spinning at 540RPM.
5. Rotate the free spool lever in the position shown below and manually pull the cable out to the desired log.

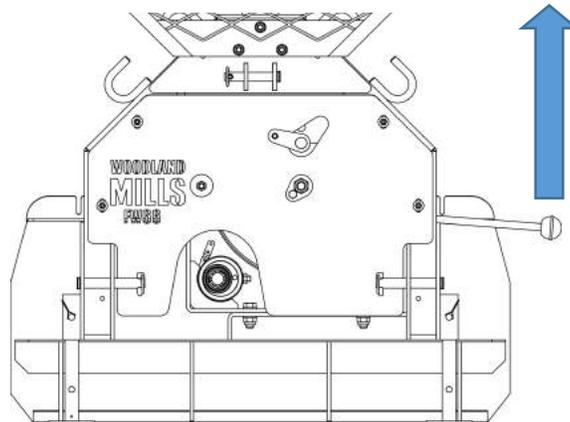


6. Attach the cable to the log securely.
7. Rotate the free spool lever to the position shown below. This position will put the winch in the pulling position.

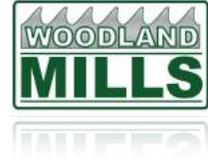




8. Slowly begin to pull up on the engagement lever shown below to begin pulling the log towards the tractor.



9. Once the log is at the tractor, the above steps can be repeated to retrieve more logs. Otherwise, a choker chain may be wrapped around the log and attached to the slots in the skidding plate. The tractor PTO can be turned off and the winch can be lifted so the end of the log is lifted off of the ground ready for transport.



MAINTENANCE

Proper and routine maintenance is critical to operator safety, achieving proper winching results and in prolonging the life of the machine.

For cleaning, maintenance and adjusting the winch, switch off the tractor PTO shaft and turn the engine off.

After 4 hours of operation, check for loose nuts and bolts.

Lubricate the chain everyday using a chain spray or oil.

After 40 hours:

- Grease all fittings
- Lubricate the cable with drops of oil and rub it in with a cloth
- Lubricate the moving block wheel of the wire while dropping some drops of oil on the shaft of the block wheel.
- Visually check the condition of the cable and hook looking for excessive wear.
- Adjust the tension of the overrunning brake.
- Check the tension of the chain. The chain of the winch is tightened correctly if there is approximately 5/16" (8mm) – 25/64" (10mm) of movement.

Annually

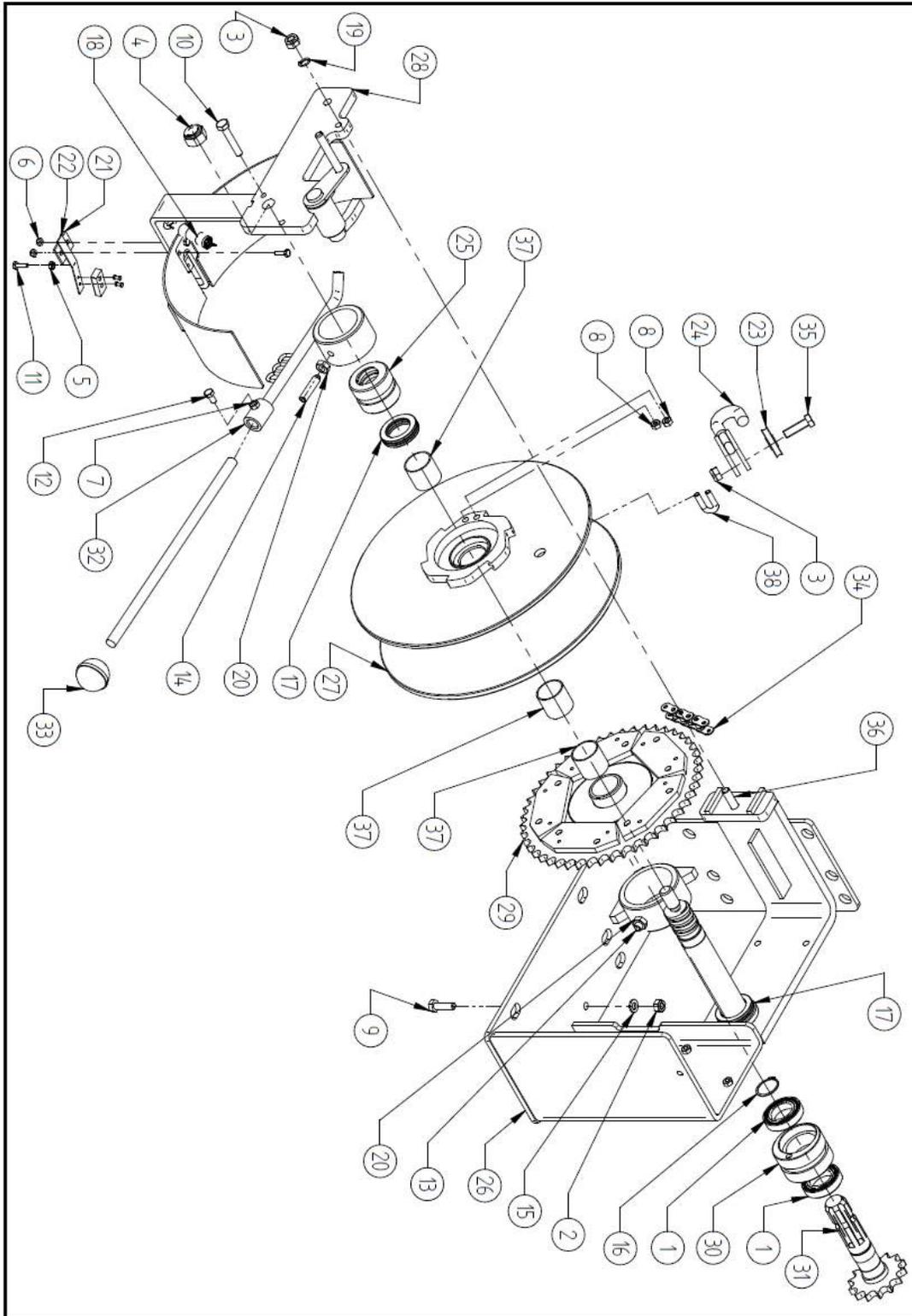
- Unmount the winch and check the condition of the components and details.
- Check bearings for excessive wear and grease or replace as required.
- Check the condition of the chain and sprockets for excessive wear.



PARTS LIST

P/N	Description	Specification	Qty	P/N	Description	Specification	Qty
1	Bearing	6007 2RS	2	33	Handle		1
2	Lock Nut	M10	1	34	Roller Chain	3/4"	1
3	Lock Nut	M12	2	35	Hex Bolt	M12 x 40	1
4	Lock Nut	M20	1	36	Hex Bolt	M12 x 50	1
5	Hex Nut	M6	1	37	Bronze Bearing	40 x 44 x 40	3
6	Lock Nut	M6	2	38	Cable Clamp	M8	1
7	Hex Nut	M8	1	39	Lower 3 Point Hitch Pin		2
8	Lock Nut	M8	2	40	Bronze Bearing		1
9	Hex Bolt	M10 x 35	1	41	Lock Nut	M12	3
10	Hex Bolt	M10 x 60	1	42	Lock Nut	M16	6
11	Hex Bolt	M6 x 20	3	43	Lock Nut	M8	4
12	Hex Bolt	M8 x 16	1	44	Grease Nipple	M8x1	1
13	Set Screw	M12 x 30	1	45	Hex Bolt	M16 x 45	6
14	Set Screw	M12 x 50	1	46	Flat Washer	M12	3
15	Flat Washer	M10	1	47	Flat Washer	M16	12
16	Retaining Ring	D35	1	48	Fender Washer	M8	4
17	Thrust Bearing	51108	2	49	Upper 3 Point Hitch Pin		1
18	Tension Spring	d=2 x D=20 x L=90	1	50	Front Cover		1
19	Spring Washer	M12	1	51	Base Frame		1
20	Hex Nut	M12	2	52	Leg		2
21	Mounting Plate		1	53	Shaft		1
22	Freewheel Spring		1	54	Cable Wheel		1
23	Cable Pulley		1	55	Pulley Housing		1
24	Hook Housing		1	56	Cable Guide		1
25	Pressure Nut		1	57	Holder		1
26	Cable Drum Housing		1	58	Winch		1
27	Cable Drum		1	59	Flat Washer	M25	2
28	Housing		1	60	Retaining Ring		1
29	Chain Sprocket		1	61	Retaining Ring	D30	1
30	Bearing Housing		1	62	Linch Pin	D10	3
31	Drive Shaft		1	63	Linch Pin	D9.5	2
32	Handle Holder		1	64	Shield Screen		1

DIAGRAM



DIAGRAM

