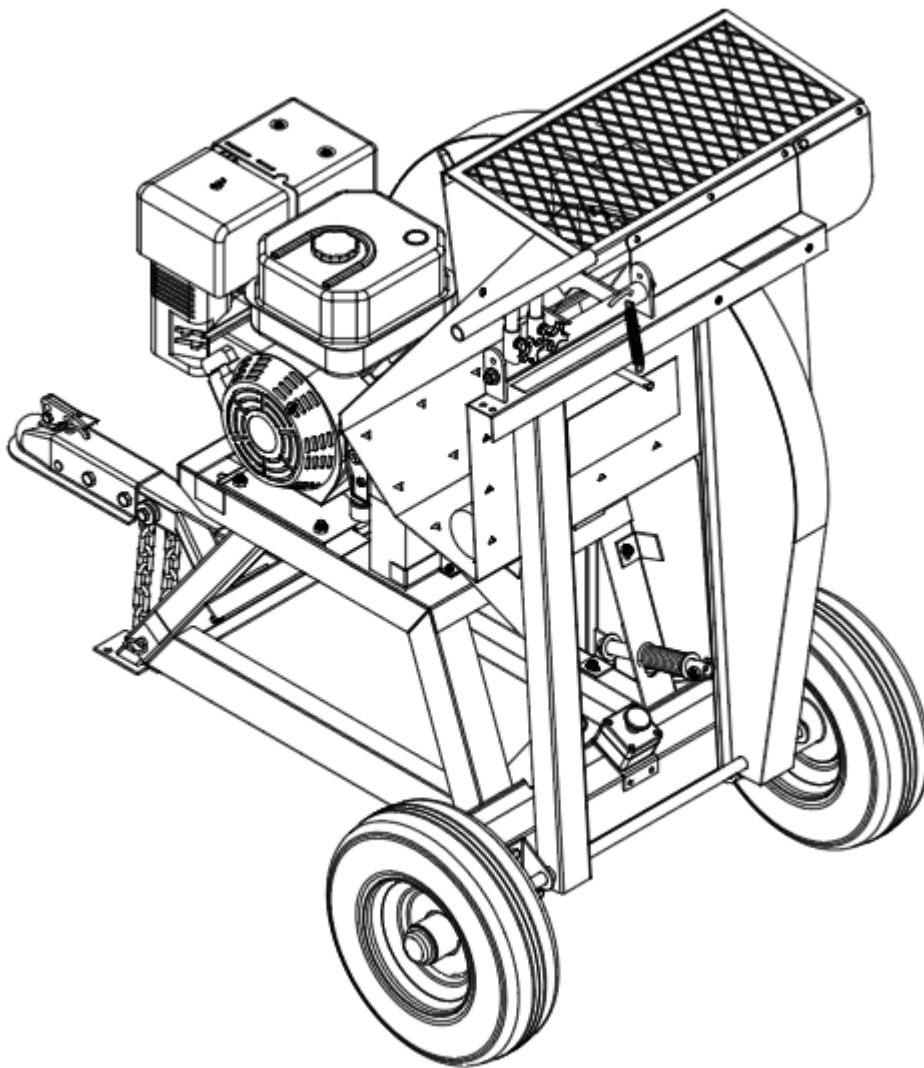


TOW BEHIND LOG SAW

ASSEMBLY & INSTRUCTION MANUAL



SAVE THIS MANUAL

Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Keep this manual and the receipt in a safe and dry place for future reference.

REV11052022

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IMPORTANT SAFETY INFORMATION

1. In the operating process, fixed on a level surface in machine, the machine is the ground near the level, maintain good, no loose materials (such as wood shavings, standard compound).
2. When found shields or saw blades failure shall immediately report.
3. The safety measures to cleaning, maintenance and cleaning of wood and eliminate the risk of fire dust.
4. The case it's necessary, wear appropriate personal protective equipment; May include:
 - 1) hearing protection facilities caused by reducing the risk of hearing loss;
 - 2) breathing protection facilities to reduce the risk of harm inhalation of dust;
 - 3) touch saw blades, the need to bring the protective gloves (where practicable, saw blade should be put in a fixed things);
5. When no one in the machine when beside, should stop the machine operation;
6. The correct use of sharp saw blades;
7. Ensure flange is applicable to the provisions of the manufacturers purpose;
8. When the machine is running, the operator should stop in order to clear the scraps or other artifacts in the cutting area;
9. Make sure the machine operation must protective equipment and safety equipment in the right place, has the good work order, and the correct maintenance.

In this manual, on the labeling, and all other information provided with this product:



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.



DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury



WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION

CAUTION, used with the safety alert symbol, indicates a hazardous a situation which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to personal injury.

CAUTION

CAUTION, without the safety alert symbol, is used to address practices not related to personal injury.

General Safety Warnings



WARNING Read all safety warnings and instructions.

Failure to follow the warnings and instructions may result in fire and/or serious injury.

Save all warnings and instructions for future reference.

1. Work area safety

- a. **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b. **Do not operate this machine in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.**
- c. **Keep children and bystanders away** while operating this machine. Distractions can cause you to lose control.

2. Personal safety

- a. **Stay alert, watch what you are doing and use common sense when operating this machine. Do not use while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating may result in serious personal injury.*
- b. **Use safety equipment. Always wear SAA approved eye protection.** Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c. **Remove any adjusting key or wrench before turning the machine on.** A wrench or a key left attached to a rotating part of the machine may result in personal injury.
- d. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the machine in unexpected situations.
- e. **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.
- f. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of these devices can reduce dust-related hazards.

3. LOG SAW use and care

- a. **Use clamps (not included) or other practical ways to secure and support workpiece to a stable platform.** Holding workpiece by hand or against your body is unstable and may lead to loss of control.
- b. **Do not force the LOG SAW. Use the correct LOG SAW for your application.** The correct machine will do the job better and safer at the rate for which it was designed.
- c. **Do not force material into Saw Blade when cutting.** Apply moderate pressure, allowing the Saw Blade to cut without being forced.
- d. **Shut off engine and keep the blade stop before making any adjustments, changing accessories, or**

storing machine. Such preventive safety measures reduce the risk of starting the machine accidentally.

- e. **Store idle LOG SAW out of the reach of children and do not allow persons unfamiliar with machine or these instructions to operate the machine.** LOG SAWS are dangerous in the hands of untrained users.
- f. **Maintain LOG SAW. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the machine's operation. If damaged, have the machine repaired before use.** Many accidents are caused by poorly maintained machine.
- g. **Keep blade sharp and clean.** Properly maintained cutting blade with sharp cutting edges are less likely to bind and are easier to control.
- h. **Use the machine, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use this machine for operation different from those intended could result in a hazardous situation.

4. Service

- a. **Have your machine serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the machine is maintained.

VIBRATION SAFETY

This machine vibrates during use. Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms and shoulders. To reduce the risk of vibration-related injury:

- 1. Anyone using vibrating machine regularly or for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's Disease should not use this machine. If you feel any medical or physical symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible
- 2. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.
- 3. Wear suitable gloves to reduce the vibration effects on the user.
- 4. Use tools with the lowest vibration when there is a choice between different processes.
- 5. Include vibration-free periods each day of work.
- 6. Grip machine as lightly as possible (while still keeping safe control of it). Let the machine do the work.
- 7. To reduce vibration, maintain the machine as explained in this manual. If any abnormal vibration occurs, stop use immediately.

SPECIFIC SAFETY WARNINGS

1. Maintain labels on the machine. These carry important safety information.
2. Avoid unintentional starting. Prepare to begin work before operating the machine.
3. Industrial applications must follow OSHA requirements.
4. Check for damaged parts. Before using this product, carefully check that it will operate properly and perform its intended function. Check for damaged parts and any other conditions that may affect the operation of this product. Replace or repair damaged or worn parts immediately.
5. Do not use this tool for cutting metals or brittle materials. Do not cut dangerous materials, such as asbestos which can cause harmful dust or vapors.
6. Allow the Saw Blade to spin up to full speed before feeding wood into it. When turning it off, allow the Saw Blade to spin down and stop on its own. Do not press against the Saw Blade to stop it.
7. Never pass hands directly over the Saw Blade when cutting the workpiece.
8. Never attempt to remove material stuck in the moving parts of the LOG SAW while it is plugged in and running.
9. Always feed the woodstock into the Saw Blade and against its rotation.
10. Make sure the woodstock is supported at all times while sawing. Use a Roller Stand (not provide) with larger woodstocks if necessary.
11. Before trying new or complicated techniques, study the procedure, and practice with scrap wood.
12. Make sure the woodstock is free from loose knots, flaws, nails, and from any other foreign objects that could damage the Saw Blade or cause "kickback".
13. Causes and operator prevention of "kickback": Kickback is a sudden reaction to a pinched, bound, or misaligned Saw Blade, causing an uncontrolled woodstock to lift up and out of the LOG SAW toward the operator. When the Saw Blade is pinched or bound tightly by the kerf closing down, the Saw Blade stalls and the motor reaction drives the tool rapidly back toward the operator. If the Saw Blade becomes twisted or misaligned in the cut, the teeth at back edge of the Saw Blade can raise the workpiece (walk-up), and eject it towards the operator. Kickback is a result of tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below:
 - Maintain control of the woodstock at all times. Never allow the woodstock to rest on the moving Saw Blade without holding on to it.
 - When the Saw Blade is binding, or when interrupting a cut for any reason, turn off the engine and hold the woodstock motionless on the LOG SAW until the Saw Blade comes to a complete stop. Never attempt to remove the woodstock from the LOG SAW or pull the woodstock backward while the Saw Blade is in motion or kickback may occur. Investigate and take corrective actions to eliminate the cause of Saw Blade binding.
 - When restarting a woodstock on the LOG SAW, center the Saw Blade in the pre-cut kerf and check that saw teeth are not engaged into the woodstock. If the Saw Blade is binding, the woodstock may walk up or kickback from the workpiece as the LOG SAW is restarted.
 - Support large panels to minimize the risk of Saw Blade pinching and kickback. Large panels tend to sag under their own weight. Supports must be placed under the panel and near the outer edge of the panel.

- Do not use dull or damaged Saw Blade. Unsharpened or improperly set Saw Blades produce a narrow kerf causing excessive friction, Saw Blade binding and kickback.
- Never rip a woodstock that is twisted or warped, or does not have a straight edge to guide along the Rip Fence.
- Push the wood stock past the Saw Blade prior to release.

14. Check all guards for proper operation before each use. Never disable any guards. Do not operate the LOG SAW if the Guard Assembly does not move freely and close instantly. Before each use, raise the Guard Assembly and make sure it moves freely and does not touch the Saw Blade or any other part, in all angles and depths of cut.

15. Always use the proper size and type of Saw Blade

16. Never perform layout, assembly, or setup work on the table of the LOG SAW when the machine is running.

17. Always turn off the engine before performing any services, maintenance, or cleaning such as leaving the work area, moving the tool from one location to another, changing Saw Blades, cleaning sawdust from the unit, etcetera.

18. Before use, the LOG SAW should be placed on a flat, stable surface, capable of supporting the weight of the tool and workpiece, and any additional pressure caused by working on it.

19. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may 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.

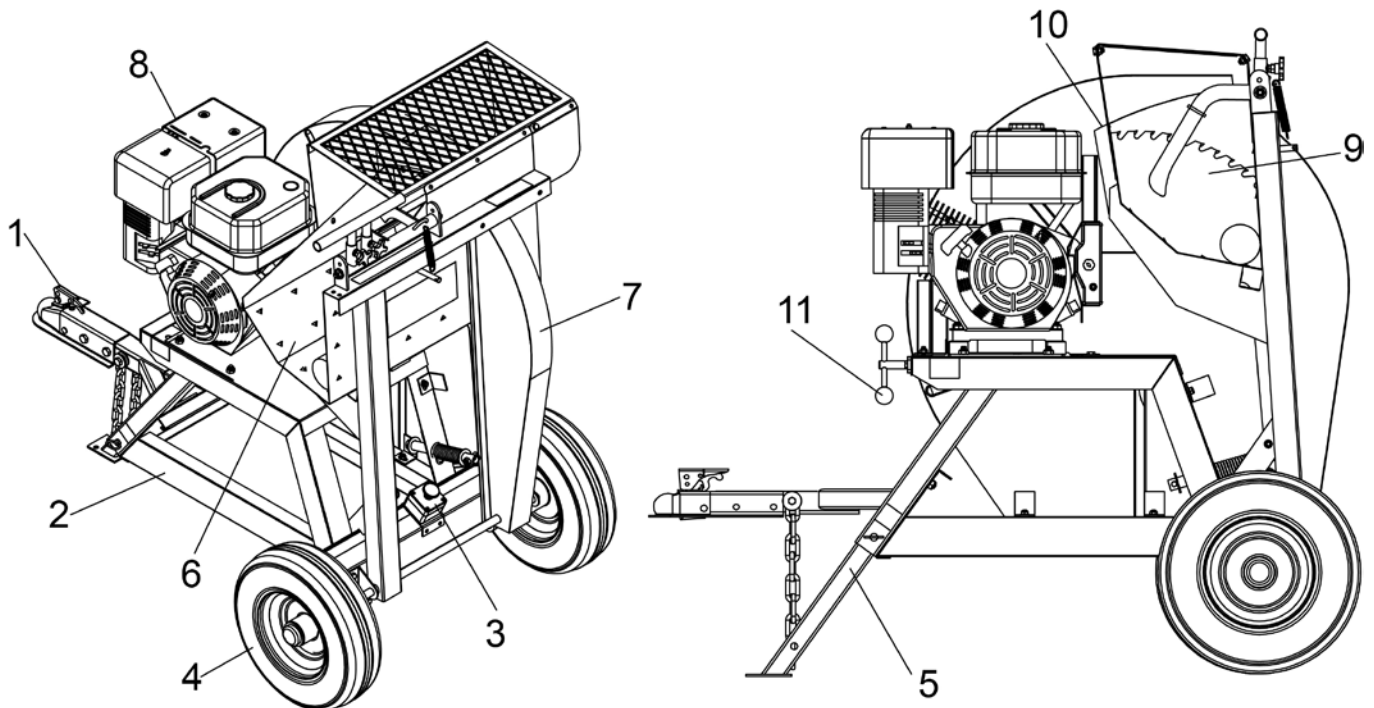
DIRECTIONS FOR USE

Log Saw has advantage with compact structure, beautiful shape, small cover area, safe and reliable use, quick sawing speed, no need to assemble before use, maintenance convenience etc, and it is suitable for household sawing wood.

SPECIFICATION

Engine.....	15HP
Blade Size.....	Ø700x3.2mm
Maximum Cutting Diameter.....	Ø270mm
Minimum Cutting Diameter.....	Ø25mm
Maximum Cutting Length.....	1000mm
Minimum Cutting Length.....	100mm
Maximum RPM for Blade.....	1440RPM
Wheel/Tyre dimension.....	16"
Product Dimension.....	1130Lx780Wx1250H mm

MACHINE COMPONENTS IDENTIFICATION

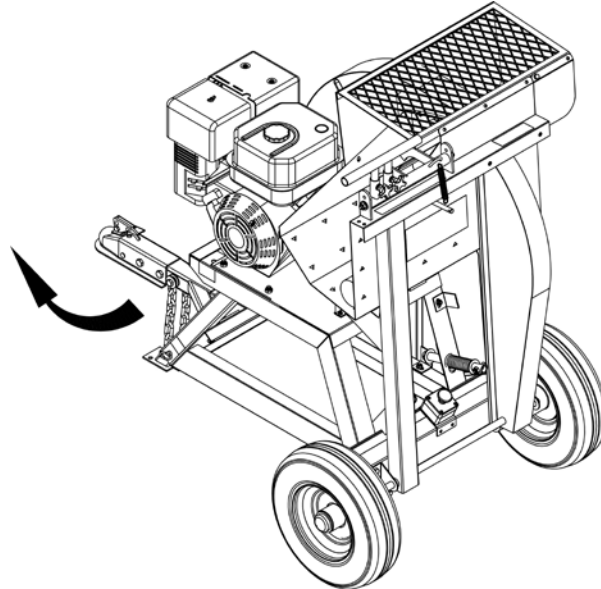


- 1). 2" Coupler
- 2). Frame
- 3). Emergency Stop Switch
- 4). Wheel Assembly
- 5). Support Leg
- 6). Operating Platform
- 7). Large Cover
- 8). 15HP Engine
- 9). Saw Bit
- 10). Belt Cover
- 11). Belt Tensioner

OPERATING INSTRUCTION

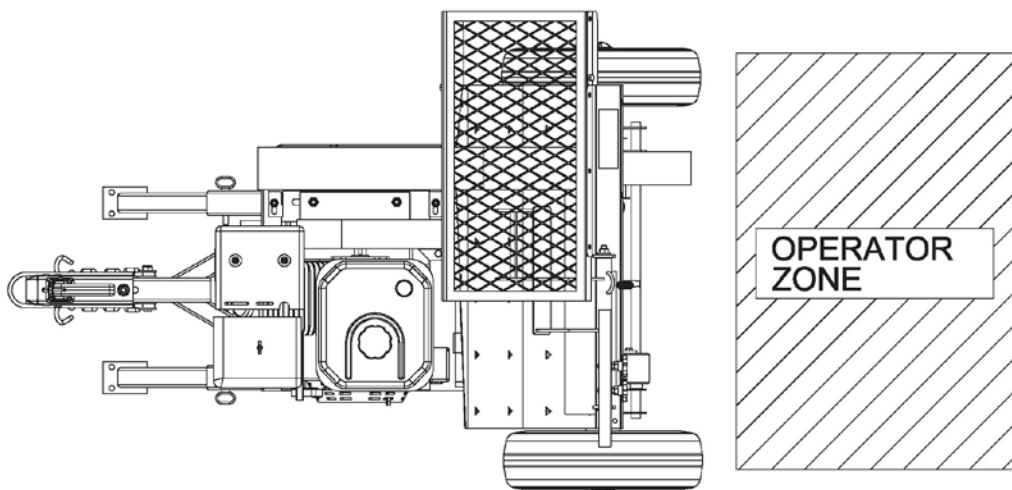
Towing the LOG SAW

1. When towing, hitch the coupler onto the connector of the tractor, then slide in the feet.
2. When arrive to the destination, slide out the feet, make the coupler separate from the connector.



Operating Zone

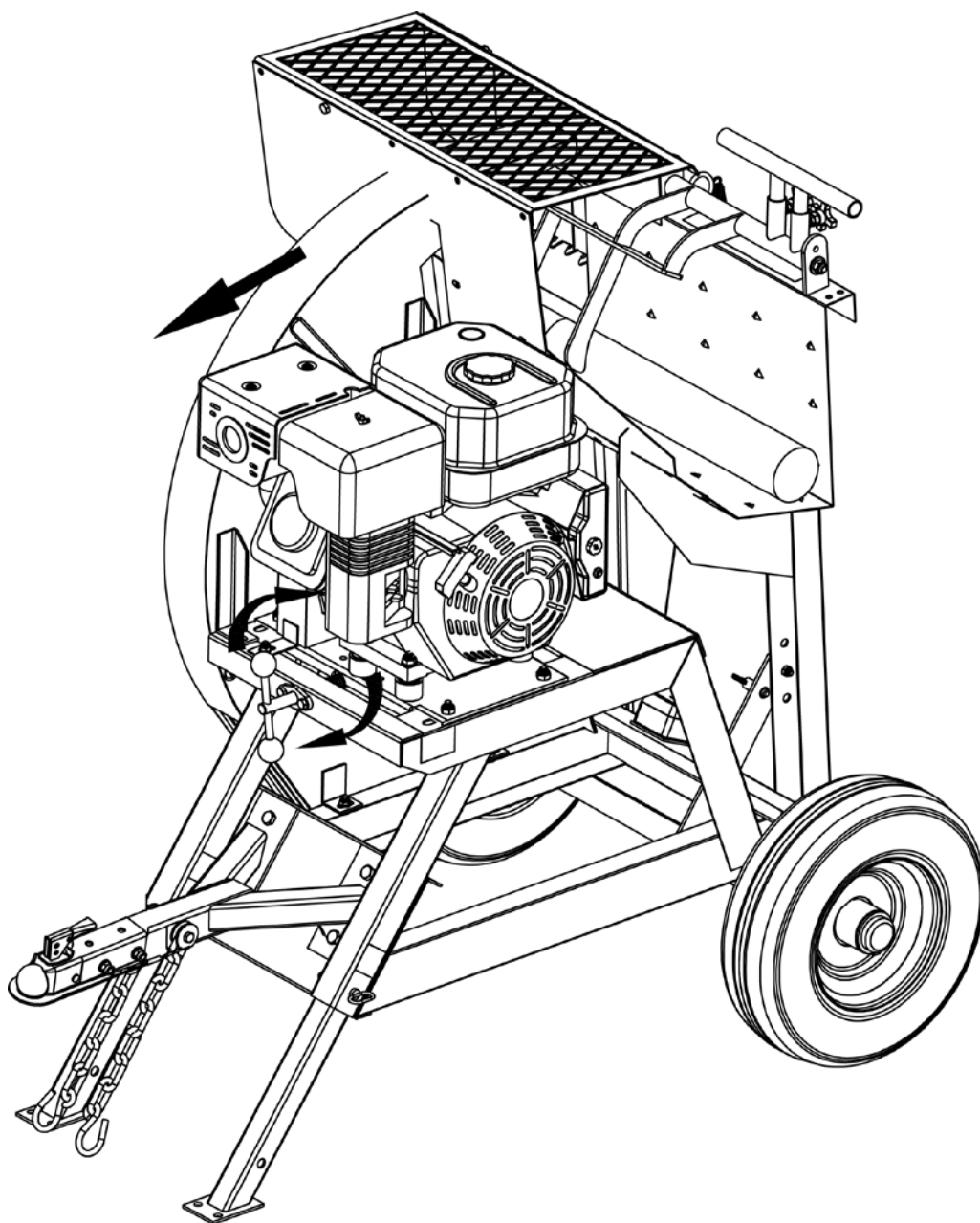
- A. In the operating process, fixe machine on a level surface, the ground near the machine is level, maintain good, no loose materials (such as wood shavings, standard compound)
- B. Provide sufficient lighting or local lighting;
- C. Inventory and finished products should be placed in near normal work of the operator location;
- D. When no one beside the machine, should stop machine running;
- E. When found safety covers or saw blades failure should report immediately;
- F. Use safety measures to cleaning, maintenance and cleaning wood and dust to eliminate the risk of fire dust;
- G. Pay attention on the highest speed marked on the blades;
- H. Always wear helmet, safety glasses, earflap, gloves and other preventer when operating.
- I. Always operating by two people.
- J. Do not cut the wood which is less than 100mm of the length.



OPERATING INSTRUCTION

Adjusting the Engine

1. Clockwise rotate the Threaded Rod M8x120 (#54), the engine move outward, the belt will be tighten.
2. Counterclockwise rotate the Threaded Rod M8x120 (#54), the engine move inward, the belt will be loosen.



NOISE STATEMENT

The figures quoted are emission levels and are not necessarily safe working levels. Whilst there is a correlation between the emission and exposure levels, this cannot be used reliably to determine whether or not further precautions are required. Factors that influence the actual level of exposure of the workforce include the characteristics of the work room, the other sources of noise etc. i.e. the number of machines and other adjacent processes. Also the permissible exposure level can vary from country to country. This information, however, will enable the user of the machine to make a better evaluation of the hazard and risk

ATTENTION IN WHOLE LIFE CYCLE

1. For moving bearing should be added the lubricating oil regularly to reduce abrading.
2. After long time work, belt maybe relaxant, need to adjust tensioner screw to make belt tight.
3. Tensioner screw maybe rusted after long time, that causes adjust the engine difficulty, always keep a little lubricating oil on the tensioner screw.
4. When find the blade is not in middle of trough of work table, need to adjust the work table.

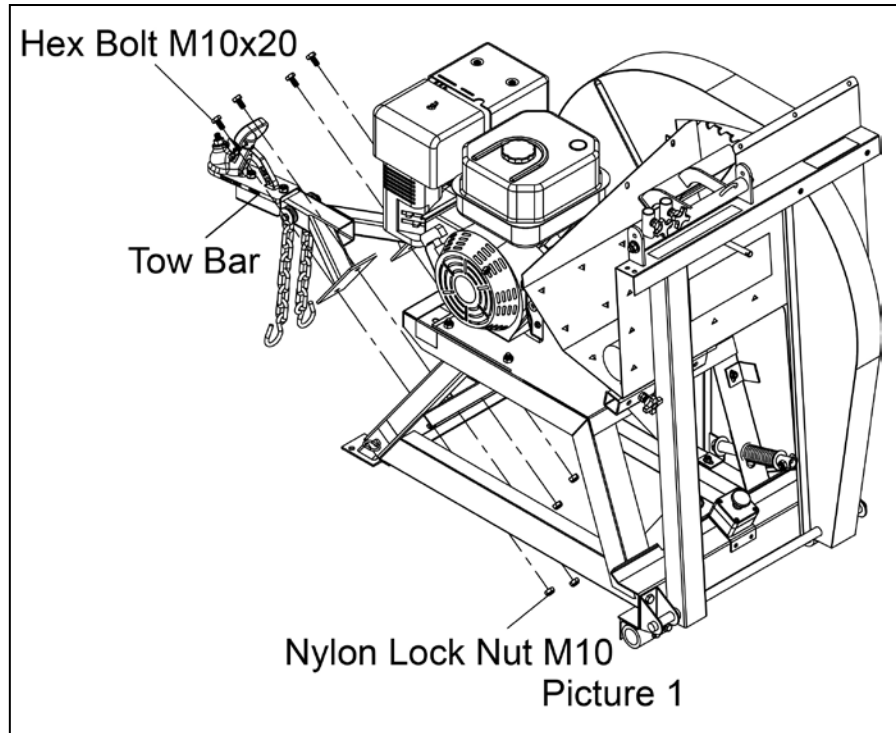
COMMON FAILURE

1. The tooth blunt or damaged, makes wood section is rough, need to change a new circular saw blade.
2. Bearing temperature too high will case machine problem, pay special attention to bearing temperature and noise of bearing parts, if find anomaly to add lubricating oil.

ASSEMBLY INSTRUCTIONS

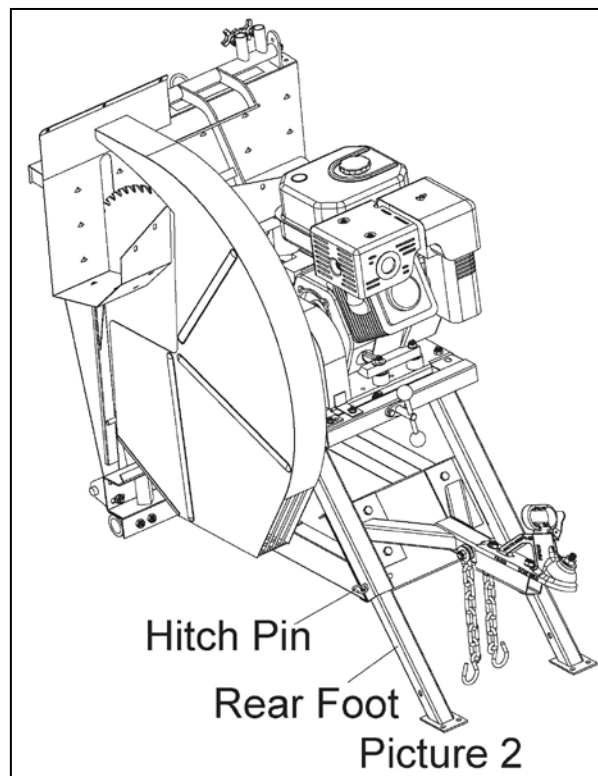
Step 1:

1. Attach the Tow Bar Mounting Plate to the Rear Crossbeam using Hex Bolt M10x20 (#8) and Nylon Lock Nut M10 (#2).



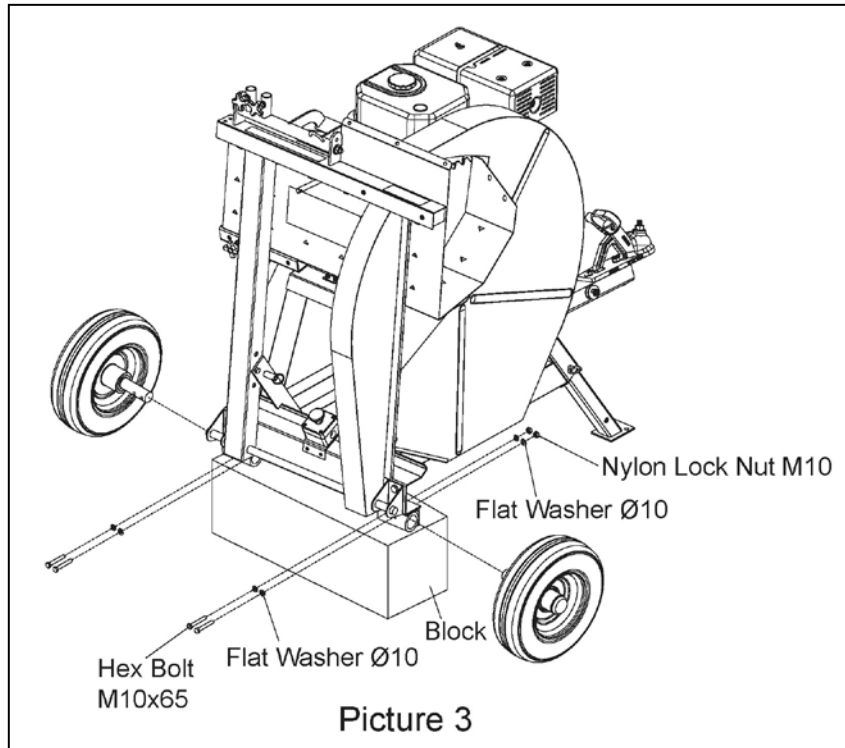
Step 2:

1. Secure with a hitch pin after pulling out the rear foot (#6).



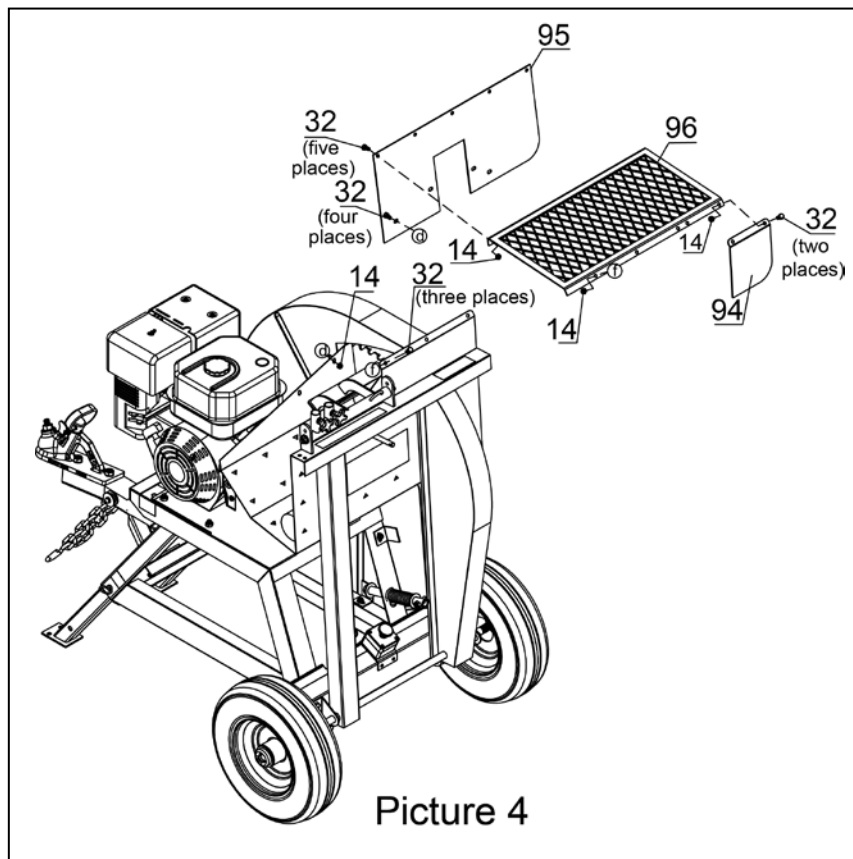
Step 3:

1. Block up the machine higher than the radius height of wheel (21cm), and make sure the machine stable. then attach the wheel using hex bolt M10x70 (#50), two flat washers Ø10 (#3) and nylon lock nut M10 (#2).



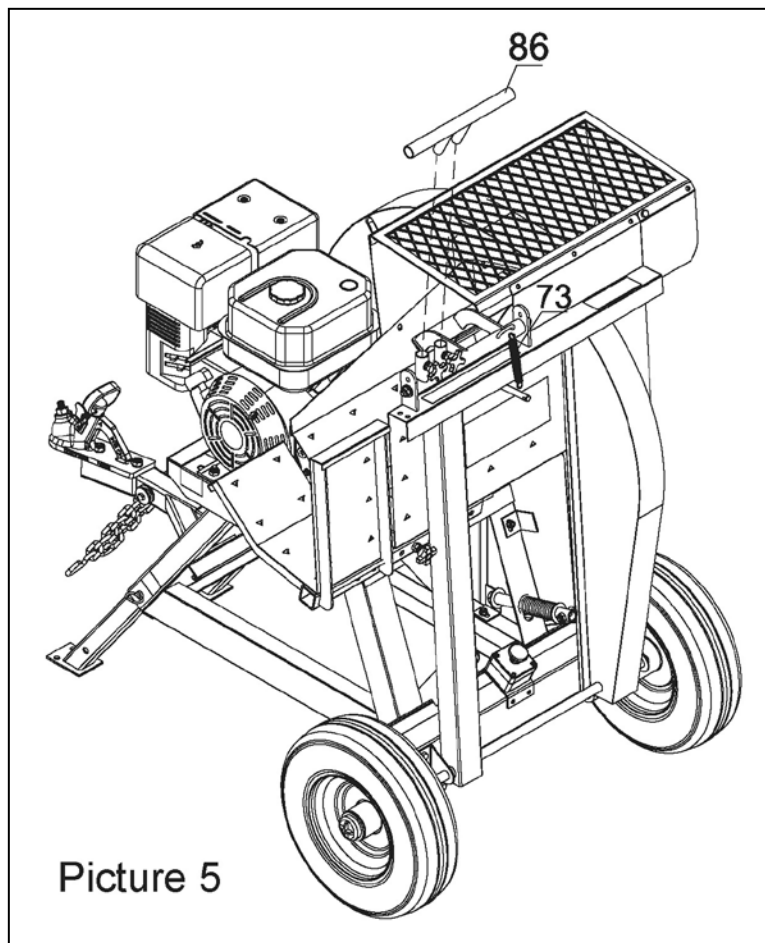
Step 4:

1. Attach mesh (#96) to the work table using hex bolt M8x16 (#32) and nylon lock nut M8 (#14).
2. Attach guard board (#95) to the mesh and work table using hex bolt M8x16 (#32) and nylon lock nut M8 (#14).
3. Attach guard board 2 (#94) to the mesh using hex bolt M8x16 (#32) and nylon lock nut M8 (#14).

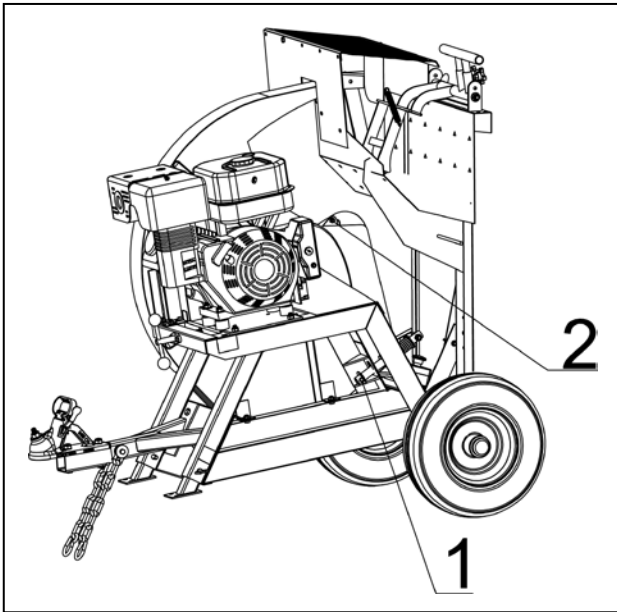
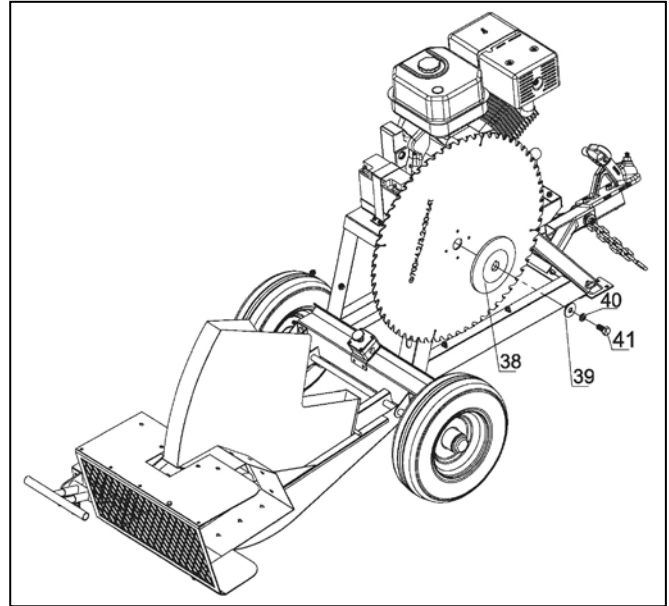


Step 5:

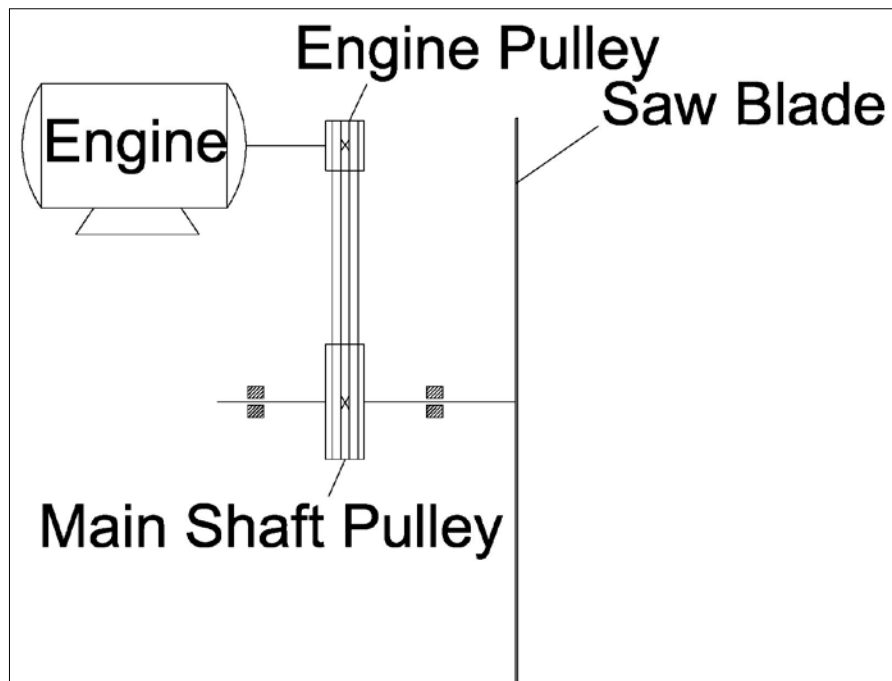
1. Attach handle (#86) to the bushing, adjust the height of handle then tighten with hand wheel.
2. Hook the pull spring (#73) to the handle and the pull rod.



CHANGE SAW BLADE STEP



1. See picture 1, take off the Hex Bolt M6x30 and Lock Nut M6 on #1 Pull Rod and Lock Nut M8 on position #2, put the work table on ground.
2. See picture 2, take off the saw blade and change it.



Schematic Diagram

MAINTENANCE AND SERVICING

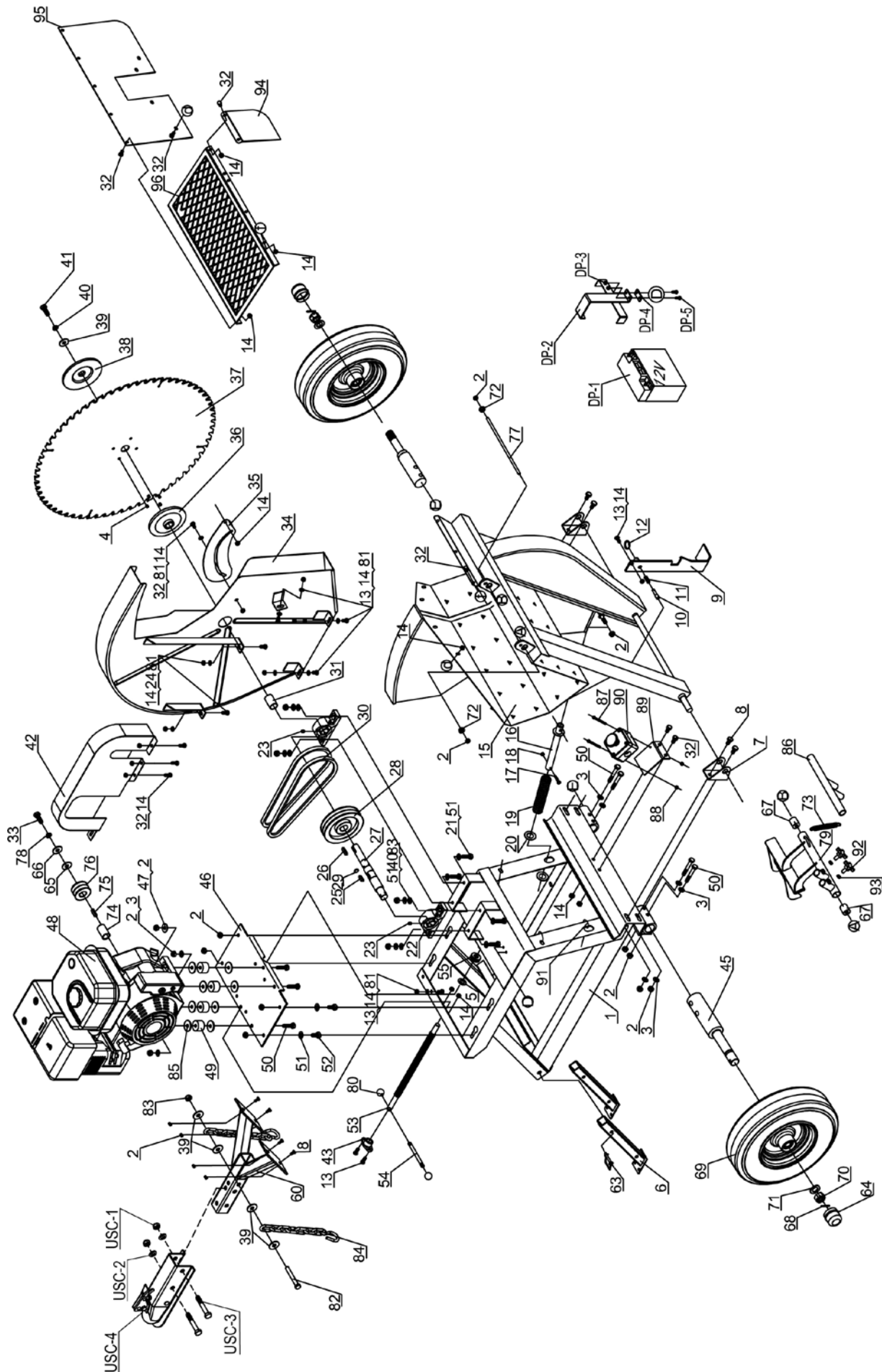


Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

Cleaning, Maintenance, and Lubrication

1. **BEFORE EACH USE**, inspect the general condition of the tool. Check for loose screws, misalignment or binding of moving parts, cracked or broken parts, improper mounting of the Saw Blade and any other condition that may affect its safe operation.
2. **Remove cut-off pieces and scraps from the Table before starting the LOG SAW.** Before cutting, ensure the machine is turned off. While the Saw Blade is completely stopped.
3.  **WARNING! Allowing sawdust, scraps, or other debris to accumulate can cause fire, resulting in severe personal injury or property damage.**
4. With a brush, soft cloth, or vacuum, remove all sawdust from the LOG SAW.
5. Do not use solvents to wipe off the LOG SAW, as damage may result. You may use a mild detergent.
6. Once clean, lubricate all moving parts with a light oil.
7. When storing, keep the LOG SAW covered with a cloth cover.

PARTS DRAWING



PARTS LIST

Part #	Drawing No.	Description	QTY
1	SMA700-01000	Frame	1
2	9206-10000-DX	Nylon Lock Nut M10	23
3	9301-10000-DX	Flat Washer Ø10	10
4	SM700-00017	Round PinB8×8	4
5	9301-16000-DX	Flat Washer Ø16	1
6	SMA700-04000	Rear Support Leg	2
7	SM700-00001	Wheel Axle Base	2
8	9101-10020-DX8.8	Hex Bolt M10x20	8
9	SM700-06000	Support Leg	1
10	Z330-00008-DX	Pawl	1
11	Z330-00003-FH	Spring B	1
12	Z330-00017-DX	Key Ring	1
13	9101-08020-DX8.8	Hex Bolt M8x20	7
14	9206-08000-DX	Nylon Lock Nut M8	30
15	SMA700-03000	Work Table	1
16	SM700-04000	Pull Rod	1
17	9101-06030-DX8.8	Hex Bolt M6x30	1
18	9206-06000-DX	Nylon Lock Nut M6	1
19	SM700-00010-FH	Return Spring	1
20	9301-22000-DX	Flat Washer Ø22	2
21	9101-12040-DX8.8	Hex Bolt M12x40	4
22	N030-04300	UCP 205 Bearing	2
23	9112-06010-FH12.9	Inner Hex Set Screw M6x10	4
24	9101-08025-DX8.8	Hex Bolt M8x25	2
25	8801-8×7×25-DX	Key 8x25	1
26	8801-8×7×32-DX	Key 8x32	1
27	SM700-00004-FH	Main Shaft	1
28	SM700-00005-DY	Main Shaft Pulley	1
29	9304-28000-FH	Snap Ring for Shaft Ø28	1
30	GB11544/A-825	Vee Belt A-825	2
31	SM700-00006-DX	Bearing Support Bushing	1
32	9101-08016-DX8.8	Hex Bolt M8x16	20
33	9101-08035-DX8.8	Hex Bolt M8x35	1
34	SM700-02000	Large Cover	1
35	SM700-00009-DX	Long Slotted Plate	1
36	SM700-00007	Saw Blade Clamping Plate (Inner)	1

PARTS LIST

Part #	Drawing No.	Description	QTY
37	SM700-00003	Saw Blade	1
38	SM700-00008	Saw Blade Clamping Plate (Outer)	1
39	9302-12000-DX	Big Flat Washer Ø12	5
40	9306-12000-DX	Lock Washer Ø12	5
41	9101-12025-DX8.8	Hex Bolt M12x25	1
42	SM700-11000	Belt Cover	1
43	SM700-00016	Rear Crossbeam Base	1
45	SMA700-00001-DY	Wheel Axle	2
46	SM700-05000	Engine Mounting Plate	1
47	9302-10000-DX	Big Flat Washer Ø10	2
48	SM700-00029	15HP Engine	1
49	LSP35-00001	Polyurethane Block	4
50	9101-10070-DX8.8	Hex Bolt M10x70	8
51	9301-12000-DX	Flat Washer Ø12	12
52	SM700-00015-DX	Sliding Screw	4
53	SM700-00013-DX	Tensioner Screw	1
54	SM700-00014-DX	Threaded Rod M8x120	1
55	9605-51203	Thrust Ball Bearing	1
60	SMA700-02000	Tow Bar	1
63	GS12-70000-DX	Lock Sleeve Pin	2
64	LSP25-00009-DX	Axle Cap	2
65	T328-20004	Spacer	1
66	939904-08000-DX	Big Flat Washer Ø8	1
67	SM700-00023	Nylon Bushing	2
68	9404-04036-DX	Cotter Pin Ø4x36	2
69	LSP25-14000	Wheel Assembly	2
70	LSP25-00020-FH	Hex Thin Slotted Nut M20	2
71	9301-20000-DX	Flat Washer Ø20	2
72	SM700-00022	Axle Cap	2
73	N390-00003-FH	Tension Spring	1
74	SM700-00002-DX	Belt Pulley Spacer Bushing	1
75	8801-7×7×35/DX	Key 7x35	1
76	SM700-00012-DX	Engine Pulley	1
77	SM700-00019-DX	Threaded Rod M10X350	1

PARTS LIST

Part #	Drawing No.	Description	QTY
78	9306-08000-DX	Lock Washer Ø8	1
79	SM700-08000	Handle Assembly	1
80	SM700-00011	Bakelite Ball	2
81	9302-08000-DX	Big Washer Ø8	10
82	9101-12090-DX8.8	Hex Bolt M12x90	1
83	9206-12000-DX	Nylon Lock Nut M12	5
84	N290-09000-DX	Hook Chain	2
85	939904-10000-DX	Big Washer Ø10	8
86	939904-10000-DX	Handle	1
87	9110-04060-DX4.8	Cross Groove Bolt M4x60	2
88	9206-04000-DX	Nylon Lock Nut M4	2
89	SMA700-00002	Emergency Stop Switch Mounting Plate	1
90	SMA700-00003	Emergency Stop Switch	1
91	/	Nylon Cable Ties 5x300	2
92	T251-60000	Handle Wheel	2
93	9201-10000-DX	Hex Nut M10	2
94	SM700-00031	Guard Board 2	1
95	SM700-00030	Guard Board	1
96	SM700-12000	Mesh	1
USC-1	9206-12000-DX	Nylon Lock Washer Ø12	2
USC-2	9301-12000-DX	Flat Washer Ø12	2
USC-3	9101-12080-DX8.8	Hex Bolt M12x80	2
USC-4	Z103	2" Coupler	1
DP-1	SM700-00025	Battery	1
DP-2	SM700-09000	Battery Pressure Plate	1
DP-3	9206-06000-DX	Nylon Lock Nut M6	2
DP-4	SM700-00028-DY	Adjustable Washer	1
DP-5	9101-06020-DX8.8	Hex Bolt M6x20	2

Limited Warranty

Warranty

For one year from the date of purchase YTL International will replace or repair defects in material and workmanship for the original purchaser of the log saw. For 2 years the engine warranty is covered per the engine manufactures warranty. The warranty will not apply to any unit which was not assembled correctly, misused, overloaded or which has been used or operated contrary to our instructions, or which has been repaired or altered by anyone other than a service representative authorized by YTL International Inc.

Warranty Exclusions

This warranty does not cover cosmetic defects such as paint, decals or wear items such as tires. This warranty will not cover failures or problems due to acts of God, or events or forces beyond the control of the manufacturer.

Normal Wear Exclusion

The log saw needs periodic service to perform well. This warranty does not cover repair when normal use has exhausted the life of a part or the equipment as a whole.

Installation, Use and Maintenance Exclusion

This warranty will not apply to parts and/or labor if the log saw has been misused, neglected, involved in an accident, abused, loaded beyond its limits, modified or assembled incorrectly. Normal maintenance is not covered under this warranty.

Limits of Implied Warranty and Consequential Damage Exclusion

YTL International disclaims any obligation to cover any loss of time, use of this product, freight, or any incidental or consequential claim by anyone from using this log saw. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR.

An exchange unit will be subject to the original warranty. The length of the warranty governing the exchanged unit will have the date as the purchase date of the original unit. This warranty gives you certain legal rights which may change from state to state. Your state may also have other rights you may be entitled to that are not listed within this warranty.

Contact Information

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Warranty & Customer Support Questions

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