

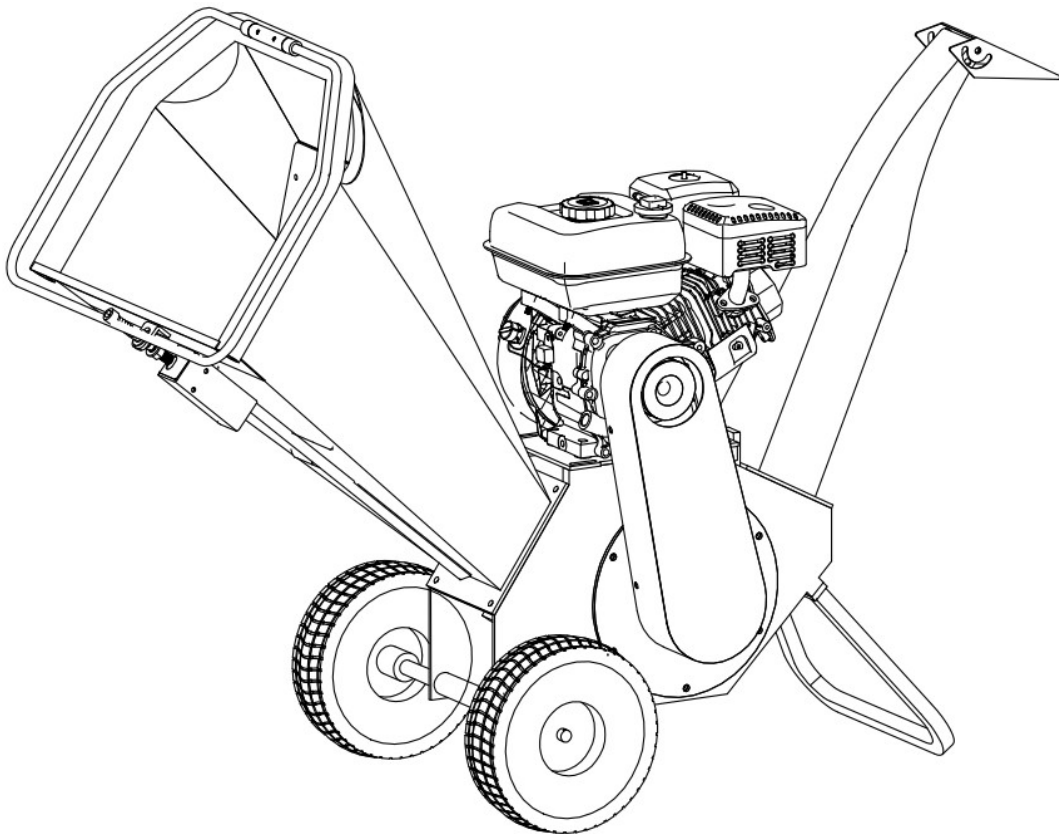


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WOOD CHIPPER FM6.5WC

User Manual

SAFETY AND OPERATING INSTRUCTIONS



IMPORTANT: Read safety rules and instructions carefully before operating equipment.

Table of Contents

PART I: General Safety Rules.....	2
PART II: Know Your Wood Chipper.....	7
PART III: Operating the Wood Chipper.....	8
PART IV: Maintaining the Wood Chipper.....	10
PART V: Troubleshooting and Parts List.....	12
PART VI: Wiring Diagram.....	16
PART VI: Warranty.....	17
PART VII: Assembly.....	18

Conventions used in this manual

WARNING

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

CAUTION

This indicates a hazardous situation, which, if not avoided, could result in minor or moderate injury.

NOTICE

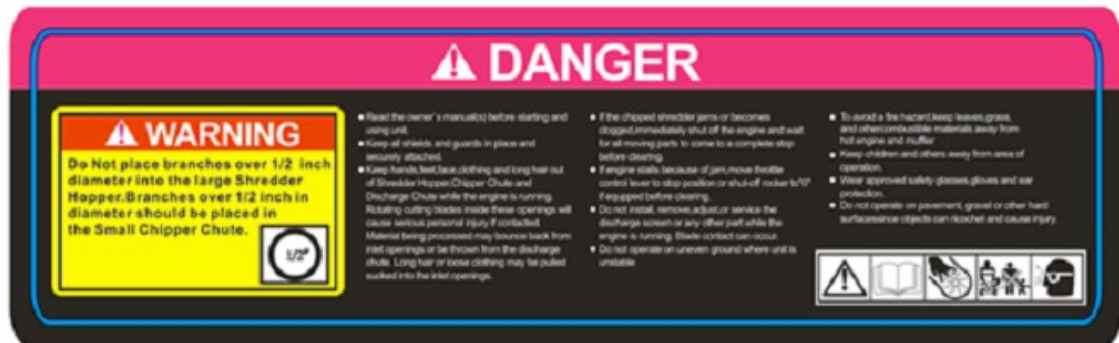
This information is important in proper using of your machine. Failure to follow this instruction could result in damage to your machine or property.

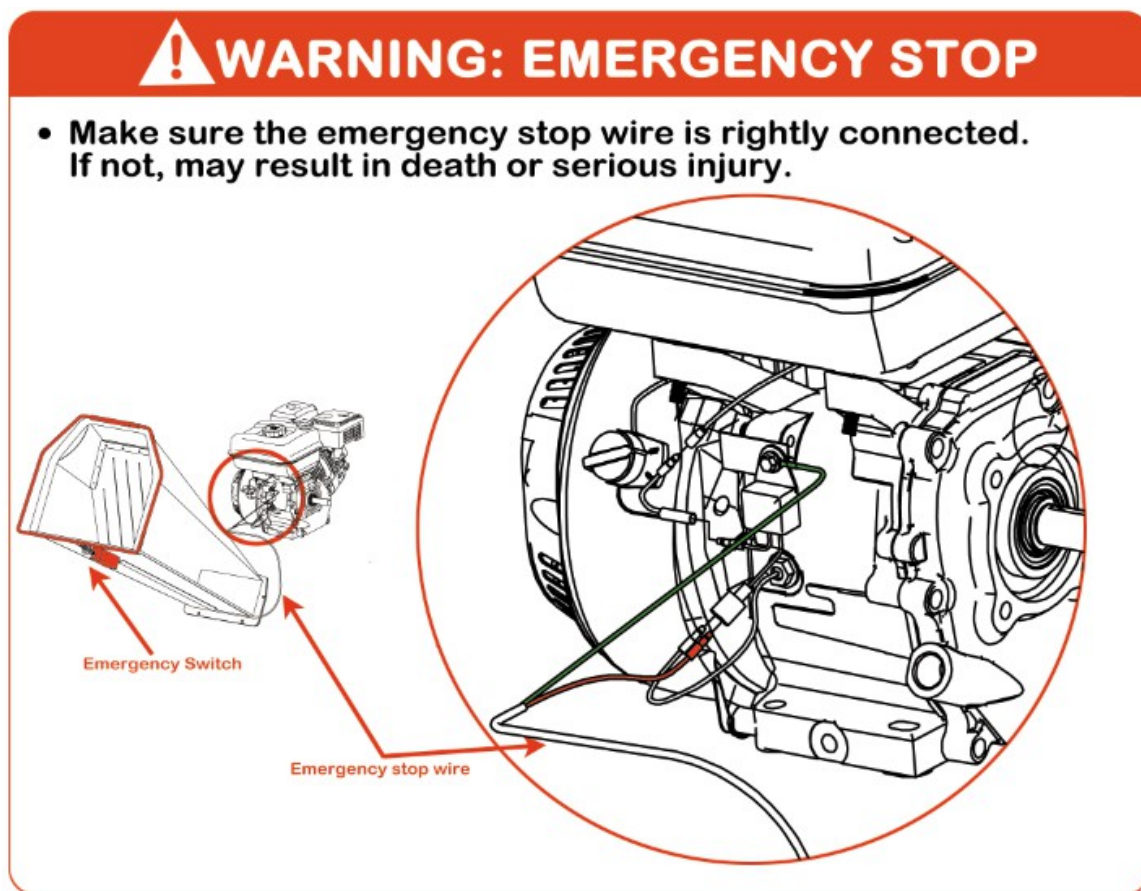
Additional Information and Potential Changes

We reserve the right to discontinue, change, and improve its products at any time without notice or obligation to the purchaser. The descriptions and specifications contained in this manual were in effect at printing. Equipment described within this manual may be optional. Some illustrations may not be applicable to your machine.

PART I: General Safety Rules

Safety Labels Found on Your Unit





Make sure the emergency stop switch is working before every use. Otherwise serious injury or death may occur. Note that the emergency stop wire should be routed around the left side of the hopper as you look at it.

WARNING

Read this Safety & Operating Instructions manual before you use the Wood Chipper. Become familiar with the operation and service recommendations to ensure the best performance of your machine.

Propose

CAUTION

This machine is designed solely to chip wood and must not be used for any other purpose. It should only be used by trained operators who are familiar with the content of this manual. It is potentially hazardous to fit or use any parts other than your dealer parts. The company disclaims all liability for the consequences of such use, which in addition voids the machine warranty.

Before using the wood chipper

NOTICE

- A. Operators must be fully trained before using this machine.
 - B. User Manual is read and understood.
 - C. Machine is positioned on level ground, all guards are fitted and in good condition.
 - D. Blades are in good condition and secure. All blades are sharpened or replaced in sets.
 - E. All fasteners are checked for tightness.
 - F. Only WOODEN materials free of nails etc. are fed into the machine.
 - G. Emergency stop wire is correctly connected and the switch is functional.
 - H. Fire extinguisher is available on site.
-

When using the wood chipper

NOTICE

- A. Always feed from the side.
 - B. It is better to have a second trained operator within easy reach of the machine.
 - C. Maintain strict discipline at all times and service machine at specified periods.
 - D. Note direction of discharge chute and if necessary note the wind direction to prevent debris from being blown into highway or where it could affect members of the public.
 - E. DO NOT put any part of your body into the in-feed chute while the machine is running.
 - F. DO NOT operate the machine whilst under the influence of alcohol or drugs.
 - G. DO NOT operate inside a building or confined space or Climb on the in-feed chute.
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Protecting Yourself and Those Around You

WARNING

This is a high-powered machine, with moving parts operating with high energy. You must operate the machine safely. Unsafe operation can create a number of hazards for you, as well as anyone else in the nearby area. Always take the following precautions when using this machine:

-  Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people, their property, and themselves.
 -  Always wear protective goggles or safety glasses with side shields while using the Wood Chipper to protect your eyes from possible thrown debris.
 -  Avoid wearing loose clothing or jewelry, which can catch on moving parts.
 -  We recommend wearing gloves while using the Wood Chipper. Be sure your gloves fit properly and do not have loose cuffs or drawstrings.
 -  Wear shoes with non-slip treads when using your Wood Chipper. If you have safety shoes, we recommend wearing them. Do not use the machine while barefoot or wearing open sandals.
 -  Wear long pants while operating the Wood Chipper.
 -  Keep bystanders at least 50 feet away from your work area at all times. Stop the engine
-

when another person or pet approaches.

Safety for Children and Pets

WARNING

Tragic accidents can occur if the operator is not alert to the presence of children and pets. Children are often attracted to the machine and the chipping activity. Never assume that children will remain where you last saw them. Always follow these precautions:

- A. Keep children and pets at least 50 feet from the working area and ensure they are under the watchful care of a responsible adult.
 - B. Be alert and turn the machine off if children or pets enter the work area.
 - C. Never allow children to operate the Wood Chipper.
-

Safety with Petrol - Powered Machines

WARNING

Petrol is a highly flammable liquid. Petrol also gives off flammable vapor that can be easily ignited and cause a fire or explosion. Never overlook the hazards of petrol. Always follow these precautions:

-  Never run the engine in an enclosed area or without proper ventilation as the exhaust from the engine contains carbon monoxide, which is an odorless, tasteless, and a deadly poisonous gas.
 -  Store all fuel and oil in containers specifically designed and approved for this purpose and keep away from heat and open flame, and out of the reach of children.
 -  Replace rubber fuel lines and grommets when worn or damaged and after 5 years of use.
 -  Fill the petrol tank outdoors with the engine off and allow the engine to cool completely. Don't handle gasoline if you or anyone nearby is smoking, or if you're near anything that could cause it to ignite or explode. Re-install the fuel tank cap and fuel container cap securely.
 -  If you spill petrol, do not attempt to start the engine. Move the machine away from the area of the spill and avoid creating any source of ignition until the gas vapors have dissipated. Wipe up any spilled fuel to prevent a fire hazard and properly dispose of the waste.
 -  Allow the engine to cool completely before storing in any enclosure. Never store a machine that has gas in the tank, or a fuel container, near an open flame or spark such
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as a water heater, space heater, clothes dryer or furnace.



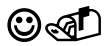
Never make adjustments or repairs with the engine running. Shut down the engine, disconnect the spark plug wire, keeping it away from the spark plug to prevent accidental starting, wait 5 minutes before making adjustments or repairs.



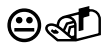
Never tamper with the engine's governor setting. The governor controls the maximum safe operation speed and protects the engine. Over-speeding the engine is dangerous and will cause damage to the engine and to the other moving parts of the machine. If required, see your authorized dealer for engine governor adjustments.



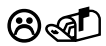
Keep combustible substances away from the engine when it is hot.



Never cover the machine while the exhaust is still hot.



Do not operate the engine with the air cleaner or the carburetor air intake cover removed. Removal of such parts could create a fire hazard. Do not use flammable solutions to clean the air filter.



The exhaust and engine become very hot and can cause a severe burn; do not touch.

General Safety

WARNING

Operating this Wood Chipper safely is necessary to prevent or minimize the risk of death or serious injury. Unsafe operation can create a number of hazards for you. Always take the following precautions when operating:

- A. Your Wood Chipper is a powerful tool, not a plaything. Exercise extreme caution at all times. The machine is designed to Chip Woods. Do not use it for any other purpose.
- B. Know how to stop the Wood Chipper quickly.
- C. Never operate your unit on a slippery, wet, muddy, or icy surface. Exercise caution to avoid slipping or falling.
- D. See manufacturer's instructions for proper operation and installation of accessories.
- E. Never use the machine without ensuring that all guards and shields are in place.
- F. Never, under any conditions, remove, bend, cut, fit, weld, or otherwise alter standard parts on the Wood Chipper. This includes all shields and guards. Modifications to your machine could cause personal injuries and property damage and will invalidate your warranty.
- G. If the machine starts to make an unusual noise or vibrate, shut down the engine, disconnect the spark plug wire, keeping it away from the spark plug to prevent

accidental starting, wait 5 minutes for engine to cool down, then inspect for damage. Vibration is generally a warning of trouble. Check damaged parts and clean, repair and/or replace as necessary.

- H. Never tamper with safety devices. Check their proper operation regularly.
 - I. Before performing any maintenance or inspection procedure, shut down the engine, disconnect the spark plug wire keeping it away from the spark plug to prevent accidental starting, wait 5 minutes for machine to cool down.
 - J. Never allow people who are unfamiliar with these instructions to use the Wood Chipper. Allow only responsible individuals who are familiar with these rules of safe operation to use your machine.
 - K. Never overload or attempt to chip woods beyond the manufacturer's recommendation. It could result in personal injury or damage to the machine.
 - L. While using, don't hurry or take things for granted. When in doubt about the equipment or your surroundings stop the machine and take time to look things over.
 - M. Never operate the machine when under the influence of alcohol, drugs, or medication.
 - N. Use the machine only in daylight.
 - O. Stay alert for hidden hazards or traffic.
 - P. Keep all nuts and bolts tight and keep the equipment in good operating condition.
-

A Note to All Users

This list of warnings and cautions cannot be all-inclusive. If situations occur that are not covered by this manual, the operator must apply common sense and operate this WOOD CHIPPER in a safe manner. Contact the dealers for assistance in your area.

PART II: Know Your Wood Chipper

It may be helpful to familiarize yourself with the controls and features of the Wood Chipper. If you have any question, please contact the dealers in your area.

TECHNICAL SPECIFICATIONS

Engine	LCT Maxx 6.5HP 208cc four stroke
Fuel	Gasoline/petrol
Chipper Capacity	3CBM/hour to 5CBM/hour
Wood Diameter	diameter 80mm
Chipper Blade	twin reversible blades
Tire	4.10/3.5-4
Overall Height	1080mm
Overall Length	1700mm
Width	580mm
Weight	85kgs
Roller Max RPM	2400rpm

PART III: Operating the Wood Chipper

It may be helpful to better familiarize yourself with the features of your Wood Chipper before beginning the steps outlined in this chapter.

WARNING

- A. Read and understand all instructions, safety precautions, and/or warnings listed in “PART I: General Safety Rules” before operating the WOOD CHIPPER. If any doubt or question arises about the correct or safe method of performing anything found in this manual, please contact the dealers in your area.
 - B. When operating the Wood Chipper, make sure you are standing in the safe operating area (OPERATOR ZONE). You must stay in the safe operating area at all times when the ram is in motion (whether extending or retracting). Never place any part of your body into a position that causes an unsafe operating condition.
 - C. Before loading and operating the Wood Chipper, always wear protective gear, including safety goggles, hearing protection, tight-fitting gloves without draw strings or loose cuffs, and steel-toed shoes.
 - D. Know the correct and incorrect methods of Chipping woods. Never using an incorrect or unsafe method.
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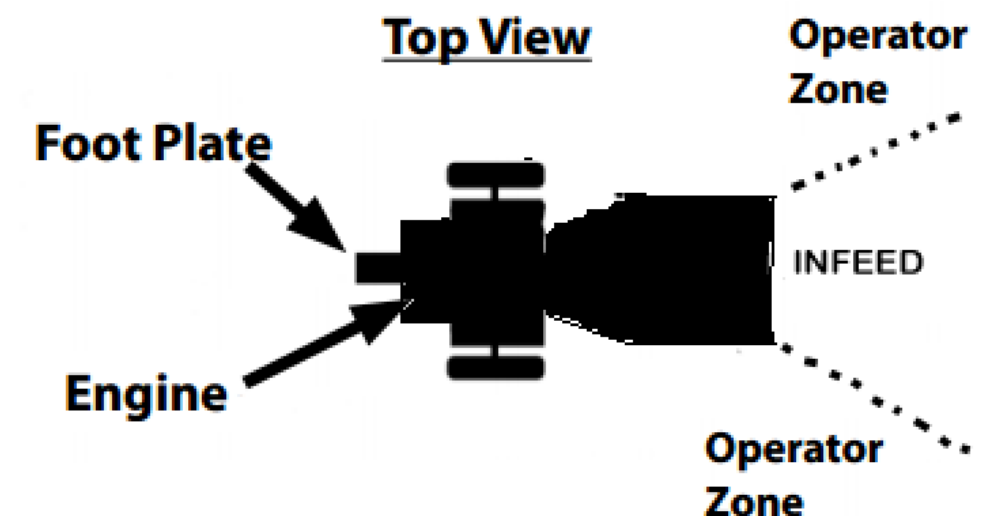
Starting

- 1. Position your Wood Chipper on flat, dry ground and make sure the machine cannot be moved.
- 2. Make sure the fuel shut-off valve is in the “ON” position.
- 3. Move the choke control lever to the “CHOKE” position (should only be needed if the engine is cold).
- 4. Move the throttle control lever to the “FAST” position.
- 5. Turn the Ignition Switch to the “On” position. Grasp the recoil starter handle and slowly pull until you feel resistance. Let the cord retract a little bit then pull the cord rapidly to start the engine. One or two pulls usually starts the engine.
- 6. Move the choke control lever (if used for cold engine) slowly back to the “RUN” position when the engine is running well.
- 7. If the Wood Chipper has not been running (cold engine), warm up the engine by running the engine at half throttle for 3 to 4 minutes, then advance the engine throttle control to the maximum speed.

Stopping

- 1. Move the Throttle Lever to IDLE.
- 2. Turn the Ignition Switch to the OFF position.

Operator Zone



Wood Chipping

NOTICE

The diameter of wood and branches should be no bigger than 80mm.

WARNING

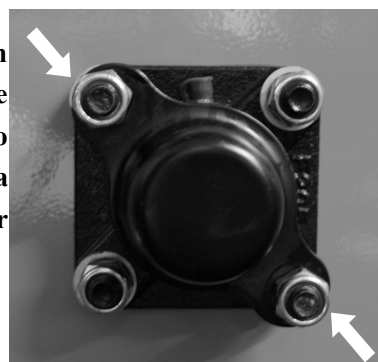
Do not place your hands into the chute when loading. This is a very UNSAFE method and could result in injury to your hands.

Do not reach or step across the rail while the Wood Chipper is running. This is a very UNSAFE method which could cause personal injury, even death.

When Blocked

If the Roller stops while chipping wood or branches, stop the engine. Remove the wood or branches that are blocking the roller, and then restart the engine and chip again.

If the wood or branches cannot be removed by hand then it is possible to rotate the drum in reverse. On the left side (when facing the hopper) bearing housing, remove the two nuts indicated that secure the cover. Underneath is a square drive that can be used (with a suitable socket or spanner) to turn the drum in reverse.



PART IV: Maintaining the Wood Chipper

Regular maintenance is the way to ensure the best performance and long life of your machine. Please refer to this manual and the engine manufacturer's user manual for maintenance procedures.

WARNING

Before performing any maintenance procedure or inspection, stop the engine, wait five minutes to allow all parts to cool. Disconnect the spark plug wire, keeping it away from the spark plug. Disconnect the Battery Terminals (Electric start only).

Regular Maintenance Checklist

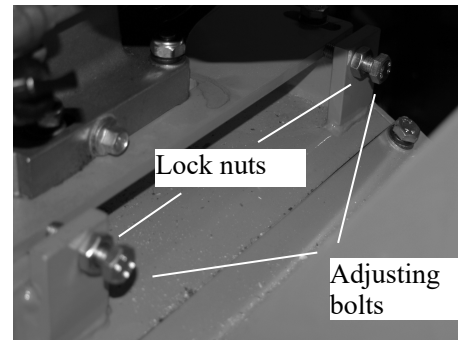
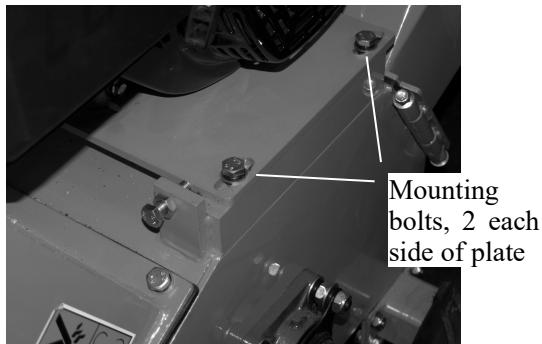
Procedure	Before Each Use	After First 15 Minutes	Every 25 Hours	Every 100 Hours
Check engine oil level	Δ			
Check general equipment condition	Δ			
Check blades for sharpness	Δ			
Check belts	Δ	Δ		
Check emergency stop switch	Δ			
Check tire pressure			Δ	
Clean engine exterior and cooling			Δ	
Change Engine Oil	First time 5 hours		Δ	
Replace air filter			Δ	
Replace spark plug				Δ

Engine Service

Refer to the engine manufacturer's user manual for engine maintenance.

Belt Tension

The tension of the belts should be checked before each use. Additionally when the machine is new or after the belts have been replaced, the tension should be checked after the first 15 minutes of use as new belts will stretch.



To adjust the tension, loosen the four mounting bolts that secure the engine plate to the chipper. The plate can then be moved backwards or forwards using the two adjusting bolts. To adjust the bolts, loosen the lock nuts then move the adjusting bolts backwards or forwards the required amount. Once the adjustment is correct, tighten the lock nuts. You should be careful to adjust each bolt by the same amount. Finally, re-tighten the four mounting bolts.

Lubrication

NOTICE

All Bearings of your Chipper are sealed units and should have sufficient lubricant to last the life of your machine with normal use.

Removing the Blades

To remove the blades for sharpening, you will need a 16mm socket with no inner taper, as the bolt heads are shallow. If a socket with inner taper is used, there is a possibility of rounding the bolt head as the socket will slip.

When refitting the blades, you should use a small amount of mild thread lock to secure each bolt.

PART V: Troubleshooting and Parts List

Most problems are easy to fix. Consult the Troubleshooting Table below for common problems and their solutions. If you continue to experience problems, contact the dealers in your area.

WARNING

Before performing any maintenance procedure or inspection, stop the engine, wait five minutes to allow all parts to cool. Disconnect the spark plug wire, keeping it away from the spark plug.

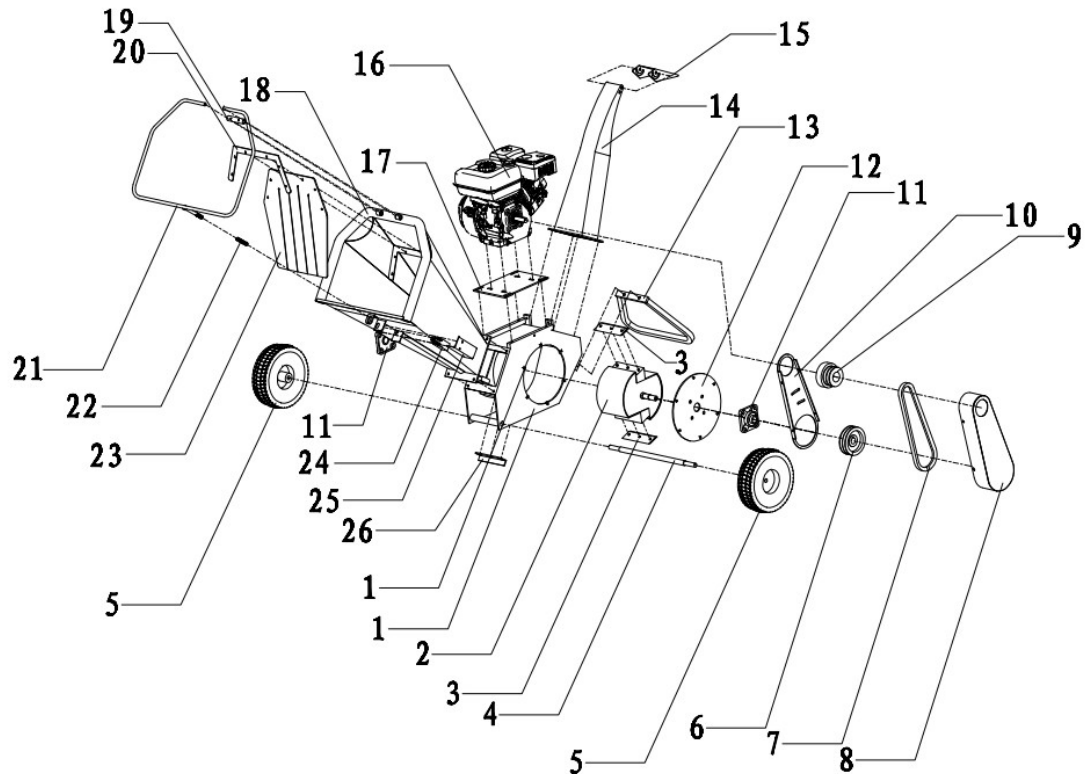
Troubleshooting Table

SYMPTOM	POSSIBLE CAUSE
<i>The engine won't start.</i> <i>(Please refer to the engine user manual for engine-specific procedures.)</i>	➤ <i>Is the ignition switch in the "ON" position?</i> ➤ <i>Is the fuel shut-off valve on?</i> ➤ <i>Are you using fresh, clean fuel? If the fuel is old, change it. Use a fuel stabilizer if you keep fuel longer than 30 days.</i> ➤ <i>Is the spark plug clean? If the spark plug is dirty or cracked, change it. If it's oily, leave it out, hold a rag over the plug hole and pull the recoil cord several times to blow out any oil in the cylinder, then wipe off the plug and reinsert it.</i> ➤ <i>Is there sufficient oil? Check the engine oil level and if necessary top up to the correct level.</i> ➤ <i>Is there dirt in the carburetor? Undo the bolt holding the float chamber to the carburetor; empty out any fuel and clean the inside using fresh clean petrol. Remove the jet in the bottom of the carburetor and clean it. Refit the jet and the float chamber.</i>
<i>The engine lacks power or is not running smoothly.</i> <i>(Please refer to the engine user manual for engine-specific procedures.)</i>	➤ <i>Check that the Throttle Lever is in the "Run" position.</i> ➤ <i>Is the air filter clean? If it's dirty, change it following the procedure in the engine manufacturer's owner's manual.</i> ➤ <i>Is the spark plug clean? If it's fouled or cracked, change it. If it's oily, leave it out, hold a rag over the plug hole and pull your recoil cord several times to blow out any oil in the cylinder, then wipe off the plug and reinsert it.</i> ➤ <i>Are you using fresh, clean unleaded gas? If it's old, change it. Use a fuel stabilizer if you keep gas longer than 30 days.</i> ➤ <i>Does your engine have the right amount of clean oil? If it's dirty, change it following the procedure in the engine manufacturer's owner's manual.</i> ➤ <i>Check the oil level and adjust as needed.</i>

<i>Engine smokes. (Please refer to the engine user manual for engine-specific procedures.)</i>	➤ <i>Check the oil level and adjust as needed.</i> ➤ <i>Check the air filter and clean or replace if needed.</i> ➤ <i>You may be using the wrong oil—too light for the temperature. Refer to your Engine Owner's Manual for detailed information.</i> ➤ <i>Clean the cooling fins if they're dirty.</i>
<i>Machine does not seem to have full chipping power.</i>	➤ <i>The belts may be too loose and slipping. Adjust or replace belts as needed.</i>

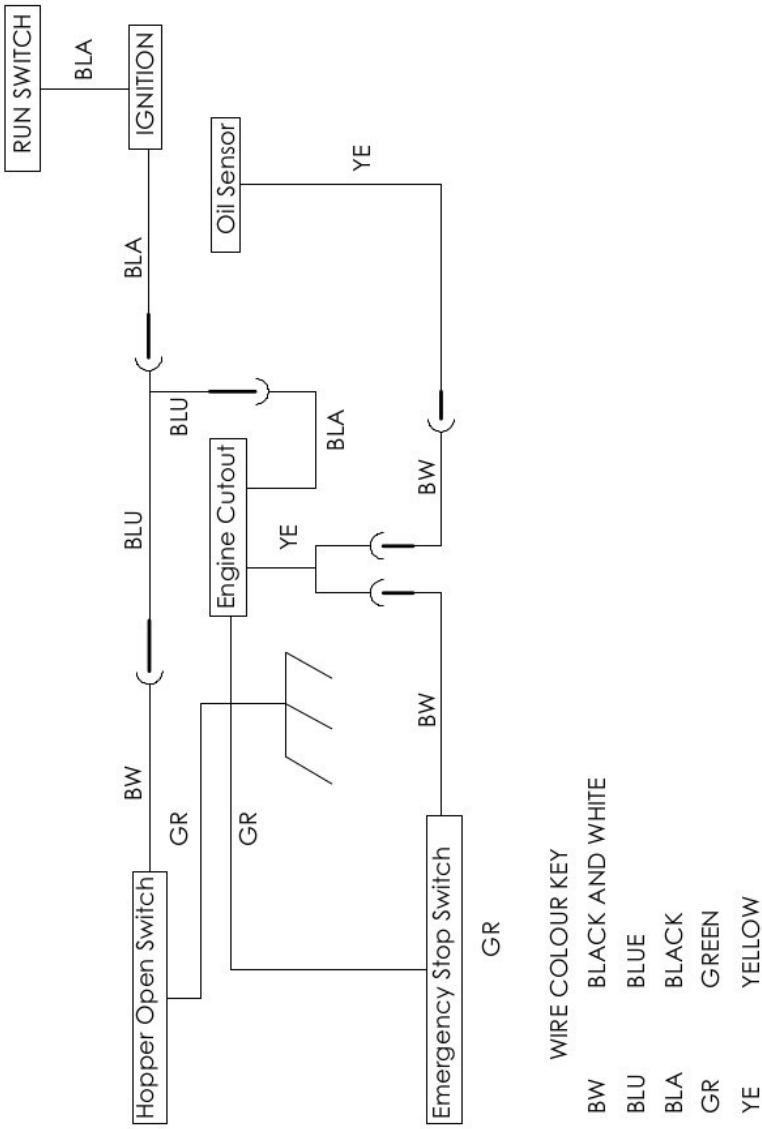
Note that if the oil level is low and the machine is not level, the oil level sensor will not allow the engine to start. This is normally the first check to make if the engine does not start. See the separate engine manual for the correct oil level.

Exploded View and Parts List



Ref.No.	Description	Ref.No.	Description
1	foundation	14	Discharge chute
2	Roller	15	Chute adjust
3	Blade	16	engine
4	Wheel axis	17	Engine fixation plate
5	Wheel	18	In-feed
6	Pulley	19	Emergency stop fixation
7	Belt	20	Rubber fixation
8	Belt cover	21	Emergency stop
9	Clutch	22	spring
10	Belt inner cover	23	rubber
11	Bearing	24	Switch
12	Bearing fixation plate	25	Switch cover
13	Support foot	26	Lower Blade

PART VI: Wiring Diagram



PART VII: Warranty

This product carries a limited parts warranty for 1 year from the date of purchase. Please keep your proof of purchase as this will be required for any claim.

Should this product become defective, contact the store where it was purchased and either replacement parts will be issued, it will be repaired or it will be replaced free of charge.

IMPORTANT: NO RESPONSIBILITY IS ACCEPTED FOR INCORRECT USE OF THIS PRODUCT. MODIFICATION OF THIS PRODUCT (UNLESS SAID MODIFICATION HAS BEEN AUTHORISED BY FOREST MASTER) WILL VOID THE WARRANTY.

This Warranty Does Not Cover:

1. Any part that has become inoperative due to misuse, abuse, neglect, accident, improper maintenance, or alteration
2. The unit, if it has not been operated and/or maintained in accordance with the owner's manual
3. Normal wear
4. Routine maintenance items such as lubricants, blade sharpening
5. Normal deterioration of the exterior finish due to use or exposure

Shipping Charges:

Shipping charges for the delivery or collection of the unit, parts of the unit or attachments to the unit are the responsibility of the purchaser. The purchaser must pay transportation charges for any part submitted for replacement under this warranty unless such return is requested by Forest Master.

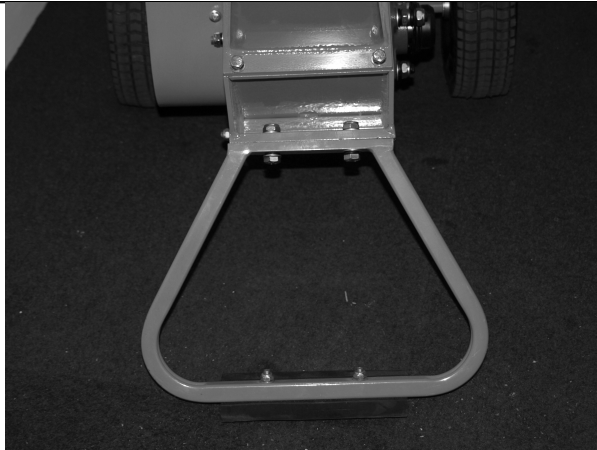
Part VIII: Assembly



Stage 1 – remove from packing. Support securely and fit the axle.



Stage 2 – fit with split pins just tight enough to get split pins in



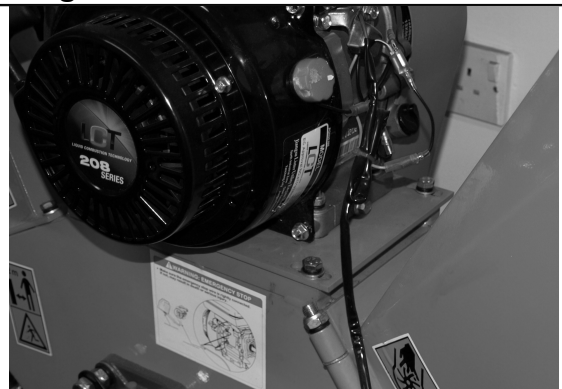
Stage 3 – fit the front support



Stage 4 – Fit the exit Shoot



Stage 5 – fit the hopper



Stage 6 – Attach the emergency stop wire. Add engine oil as per the manufacturers instructions

NOTE: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts, without prior notice.

Manufactured under license for Forest Master Ltd.

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