

WEIBANG[®]

GARDEN MACHINES

Leaf Vacuum

Model: WBLV506H WBLV506C
 WBLV506H V WBLV506C V



Owner's Manual (Original instructions)



DO NOT operate this equipment until you have read and understood all the enclosed Operator's Manual.
READ ALL the sections in this manual **PRIOR** to attempting to service, maintain or operate this equipment. !

Explanation of symbols on the vacuum



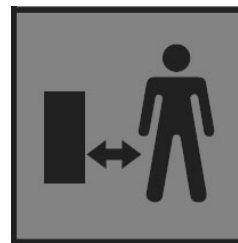
Read Operator's manual



Beware of thrown or flying objects to bystanders.



General hazard safety alert



Keep bystanders away from the machine



Wear hearing protection while operating the power tool.



Wear eye protection



Wear breath protection

WBLV50 Leaf Vacuum Owner's Manual

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Residual risks

Even when the power tool is used as prescribed it is not possible to eliminate all residual risk factors. The following hazards may arise in connection with the power tool's construction and design:

1. Damage to lungs if an effective dust mask is not worn.
2. Damage to hearing if effective hearing protection is not worn.
3. Damages to health resulting from vibration emission if the power tool is being used over longer period of time or not adequately managed and properly maintained.

WARNING! This power tool produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their physician and the medical implant manufacturer before operating this machine.

The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another.
The declared vibration total value may also be used in a preliminary assessment of exposure.

Warning

The vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used.
There is the need to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycles such as the times when the tool is switched off and when it is running idle in addition to the trigger time).



DO NOT operate this equipment until you have read and understood all the enclosed Operator's Manual.
READ ALL the sections in this manual PRIOR to attempting to service, maintain or operate this equipment. !

PRE-OPERATION NOTE

Thank you for your purchase of the WEIBANG professional WBLV50 series leaf vacuum. This vacuum has been designed. And manufactured to our highest quality demands for durability and performance.

WEIBANG Garden Machine Company is committed to offering durable products and quality after-market service. The WBLV50 series leaf vacuum is warranted to be free from manufacturer's defects in material and workmanship for a period of one year from the date of purchase (except used for commercial purpose or hire and rental applications). This warranty will be void if the machine has not been operated and maintained in the manner prescribed in this Operator's Manual. Any machine malfunctions, and/or warranty claims that arise from the misinterpretation or the misunderstanding of the instructions and cautions discussed in this booklet will not be eligible for warranty protection.

In order for the leaf vacuum to perform at its optimum capabilities, the operator must read this manual thoroughly before using this unit. This Operator's Manual contains important product operation procedures, safety precautions, maintenance and troubleshooting tips as well as other advisories. Please keep this manual nearby when operating the vacuum as a reference should any questions arise.

The WBLV50 series is a petrol engine powered central vacuum to load leaves and similar product sucked. It has a flexible hose (on suction side) of a length of 4 M provided with a nozzle with handle. The ejection is channelled through a straight chute with a deflector for directing the debris precisely ejected. This leaf vacuum has an internal flow developed specifically for the collection of leaves, paper and grass clippings less than 10cm. When this machine is used as a leaf vacuum, it can turn fall leaves into high quality compost for agriculture and gardening instead of burning them. **DO NOT USE THE LEAF VACUUM FOR ANY OTHER MATERIAL THAN FALL LEAVES.** The machine should not be used for any other purpose than that stated above. The inappropriate use of any machine can cause serious damage and/or bodily harm to the environment and operator. It is imperative that the operator of this equipment be responsible for the operational environment of the leaf vacuum. Please be prepared and well-informed for all specific requirements, precautions and work hazards that may and/or do exist at the jobsite.

Powered by a 6 HP HONDA or LONCIN engine, the WBLV50 series is a powerful unit which drives a suction turbine. Failure to maintain the vacuum in a proper manner will lead to decreased productivity of the tool and hazards to the operator and bystanders. **This machine is a ground supported unit and it should not be mounted to a truck or to a trailer for operation. Do not use this machine if it has been modified or improperly maintained. Any unauthorized changes or usage to the sweeper render manufacturer liability null and void.**

All jobsites are different. Please ensure that when using the WEIBANG leaf vacuum, all local bylaws and codes are followed. All operators and mechanics of this machine should be trained in general machine use and safety.

Every care and effort has been made to ascertain the accuracy and completeness of procedures described in this document to ensure your enjoyment and satisfaction. If you have any questions or concerns, please contact the WEIBANG'S local dealer or WEIBANG's exclusive national distributor.

SAFETY PRECAUTIONS

1. READ AND UNDERSTAND OPERATOR'S MANUAL PRIOR TO USE OF THE VACUUM.
2. Before operating leaf vacuum, ensure that it is structurally and mechanically safe.
 - a. Check if all engine controls and the clutch action functioning within acceptable tolerances.
 - b. Keep all nuts and bolts in good working condition, tight and keep all guards and deflectors in place and in good working condition.

! READ AND UNDERSTAND OPERATOR'S MANUAL PRIOR TO USE OF THE VACUUM. If any of the above checks fail, please take necessary steps to maintain or repair the unit before operating it in any environment.
3. Before using the vacuum on proposed jobsite. Check for ventilation in area.

Do not operate the vacuum or run the engine in unventilated areas.
Engine exhaust contains carbon monoxide, a deadly gas that is odorless, colorless, and tasteless.

ALWAYS OPERATE VACUUM OUTDOORS!!

SAFETY PRECAUTIONS CONT 'D...

4. When operating the vacuum, follow these guidelines for operator's personal safety:

- Always wear proper safety clothing and equipment for the job.

These can and should include eye and ear protection, gloves, dust mask and any other items that are appropriate for the job and jobsite requirements.
- Always operate the machine in a recommended position.
- Never wear any jewelry, neck ties, or other loose or hanging items that can be caught on any part of the machine.
- Tie back or remove any loose hair, clothing and any other potential hazards and obstructions.
- Before starting the machine, make certain that the turbine chamber is empty.
- Keep your face and body away from the discharging opening.
- When draw material into the machine, be extremely careful to exclude pieces of metal, rocks, bottles, cans or other foreign objects.
- Do not allow processed material to build up in the discharge area, which may prevent proper discharge.
- Keep the engine clean of debris and other accumulations.
- Avoid coming in contact with the muffler and other engine parts after the engine is started and the time immediately after the machine is turned off. Machine and engine temperatures may exceed 150 F or 66 C
- Machine must be allowed to cool before touching it or attempting to perform any maintenance!
- Do not tamper with the engine governor settings on the machine;

The governor controls the maximum safe operating speed and protects the engine and all moving parts from damage caused by dangerously high speeds.
- Do not transport or move machine while the engine or machine is running.

5. For the safety of others and that of the operator, observe the following precautions:

- While the machine is in use, keep observers and bystanders at least 35 feet away from the vacuum and its immediate working environment.
 - Stop operations or if anyone or anything (i.e.: humans, animals, etc.) approaches from the front or the sides while the machine is in operation.
 - If the cutting mechanism strikes any foreign object or if the machine should start making an unusual noise or vibration, immediately shut off the engine and allow the machine to stop. Disconnect the spark plug wire from the spark plug and take the following steps:
 - i. Inspect for damage.
 - ii. Replace or repair damaged parts.
 - iii. Check for and tighten any loose parts.
 - Stop work and turn off the vacuum if debris jams the machine or causes it to labor unnecessarily.
 - Inspect the machine for any possible causes.
 - Before attempting to clear any jams in the unit, inspecting or servicing any part of the machine, stop the engine and remove the sparkplug wire, and make sure that all moving parts have come to a complete stop.
 - Never leave machine unattended. Shut off the engine whenever you leave the work area.
 - Position the machine such that it is not necessary to work downwind of the exhaust.
 - DO NOT, under any circumstances, operate machine if any of the following conditions are applicable:
 - i. Any impairment (i.e.: medical conditions, medicinal side-effects, alcohol, drugs etc.) of the operator.
 - ii. The operator has not read or understood the operator's manual for this machine.
 - iii. The operator does not clearly understand the operations of the machine.
 - iv. The machine is in need of repair.
 - v. The operator is inappropriately attired to operate the machine.
6. Take care children. Tragic accidents can occur if the operator is not alert to the presence of children.
- Children are often attracted to the vacuum and to the operation activity. Never assume that children will remain where you last saw them.
 - a. Keep children out of the working area and under the watchful care of a responsible adult.
 - b. Be alert and turn machine off if children enter the area.
 - c. Never allow children to operate the vacuum.

SAFETY PRECAUTIONS CONT 'D...

- Use extra care in handling fuels. They are flammable and vapours are explosive.
 - Use only an approved container.
 - Never remove fuel cap or add fuel with the engine running. Allow engine to cool before refueling.
 - Do not smoke.
 - Never refuel the machine indoors.
 - Never store the machine or fuel container inside where there is an open flame, such as a water heater.
 - If fuel is spilled, do not attempt to start the engine, but move the machine away from the area of spillage before starting.
 - Always replace and securely tighten fuel cap after refueling.

SAFETY DEVICE

Your machine is equipped with a safety device which prevents the engine start when the vacuum house is not in place. In operation, the removal of the hose stops the engine. Never use a machine with defective guards or safety devices off. Regularly check the proper functioning of safety devices.

SAVE THESE INSTRUCTIONS!!

RESPONSIBILITY OF THE OPERATOR

The operator must be one close to the vacuum cleaner during operation.

Responsibility of the user is bound towards third parties:

- In the working area of the machine,
- In the case of using non-original parts when replacing parts used,
- In the case of using a modified machine or poorly maintained,
- If the work to be performed outside the normal course of use.

SPECIFICATIONS

Model	WBLV506H	WBLV506H V	WBLV506C	WBLV506C V
Working width	80cm			
Collection bag (L)	240L			
Drive speed m/s	0.9	0.75-0.86-1.1	0.9	0.75-0.86-1.1
Engine Make/ Model	HONDA GX160		LONCIN G160F	
Rated power, kW	3.6kW \3600min-1			
Engine Fuel Capacity	3.6L			
Engine Oil Capacity	0.6L			
Total Unit Empty Weight:	80kgs	82.5kgs	83kgs	86kgs
Max operating slope	8.5°			
Overall HxWxL	1.57x0.87x1.0m			
Sound noise declaration Lwa	97.4 dB(A),K=3dB(A)		104.8 dB(A),K=3dB(A)	
Sound pressure level at operator's ear Lpa	93.7 dB(A),K=3dB(A)		94.7 dB(A),K=3dB(A)	
Hand-Arm Vibration	3.93 m/s ² ,K=1.5m/s ²		4.66 m/s ² ,K=1.5m/s ²	

INSTRUCTION LABELS

Safety and instruction decals are located on the vacuum frame and engine. Replace any decal that is damaged or unreadable, replace them before operating this equipment, call dealer for information on decals.

For location of safety decals on the vacuum frame, see parts drawings and lists provided for convenience in ordering replacement labels.

INSTRUCTION LABELS CONT 'D...

NOTE: For engine safety and instruction decals, see engine owner's manual or contact the engine supplier.

Below are the decals available for re-ordering to facilitate maintenance.

All decals are available for replacement except that with the serial number of the unit for each number serves as a unique identifier for warranty and support purposes.

If you have any questions, please do not hesitate to contact WEIBANG'S local dealer or WEIBANG's exclusive national distributor for further assistance.



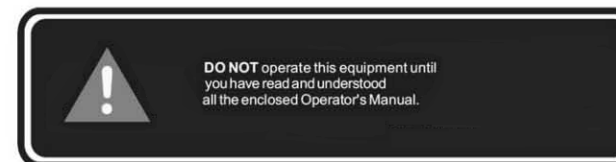
SERVICE: Qty Required=1
ART No.L0106070



ENGINE: Qty Required=1
PART No.L0106040



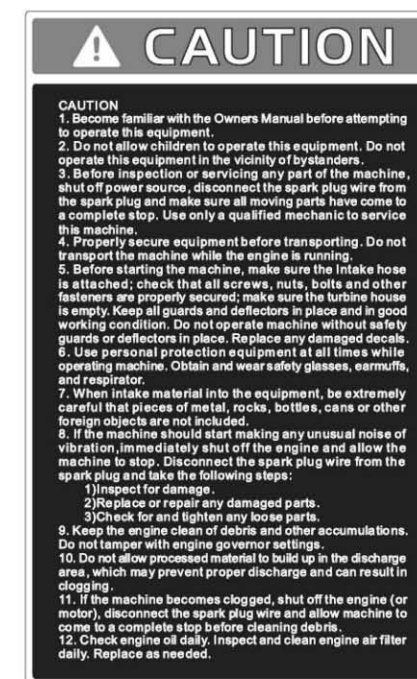
LABEL SPARK ARRESTER: Qty Required=1
PART No.XYJLP020



OPERATOR: Qty Required=1
PART No.L0106060



SECURE NOZZLE: Qty Required=1
PART No.XYJLP010



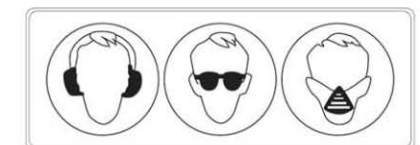
OPERATOR: Qty Required=1
PART No.XYJLP080



HAND: Qty Required=1
PART No.L0202010

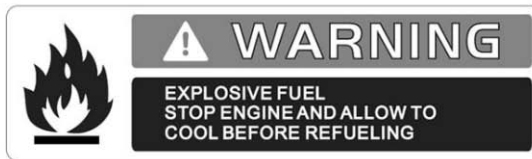


OPERATOR: Qty Required=1
PART No.XYJLP070



OPERATOR: Qty Required=1
PART No.XYJLP050

INSTRUCTION LABELS CONT 'D...



EXPLOSIVE FUEL: Qty Required=1
PART No.XYJLP030



ENGINE OVERHEAT: Qty Required=1
PART No.XYJLP040



WARNING SECURE: Qty Required=1
PART No.XYJLP060



LOGO: Qty Required=1
PART No.L0401040



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READ ALL the sections in this manual PRIOR to attempting to service, maintain or operate this equipment. !

ASSEMBLY

Carefully read these instructions and this manual in its entirety, before you attempt to operate your new vacuum.

IMPORTANT: THIS LEAF VACUUM IS DELIVERED WITHOUT OIL OR PETROL IN THE ENGINE.

Your new vacuum is shipped from the factory in one carton, and which has been pre-assembled at the factory, with the exception of those parts such as nozzle, hose left unassembled for shipping purposes.

All parts such as nuts, washers, bolts, etc. necessary to complete the assembly have been attached on the machine. To assure safe and proper operation of your vacuum, all parts and hardware you assemble must be tightened securely. Use the correct tools needed to assure proper tightening.

I UNPACKING INSTRUCTIONS

WARNING: To prevent personal injury or property damage, do not attempt to start the engine until all assembly steps are complete and you have read and understand the safety controls and operating instructions in this manual.

INTRODUCTION

Please carefully follow these assembly steps to properly prepare your machine for use.

We recommend that you read this Section in its entirety before beginning assembly.

INSPECTION AFTER DELIVERY

When unpacking the machine, inspect for shipping damage or missing parts, if you find any damage, or if parts are missing, notify the WEIBANG Dealer who sold you the machine.

TOOLS/MATERIALS NEEDED:

Active Wrench / Motor Oil

ASSEMBLY CONT 'D...

UNPACKING STEPS

- 1 Cut plastic banding. To open the box, remove top plywood panel firstly.
- 2 Remove all around wall panel. Remove the angle iron securing machine to wood pallet.
- 3 Lift off the machine from pallet brackets and remove it from the wood pallet.
- 4 Check the box thoroughly and remove additional loose parts included with leaf vacuum.
- 5 Remove all packing materials.

Risk of high dead weight

- The machine must not be lifted manually.
- Pull the machine off the transporter by its handles.
- Remove machine parts separately from packaging.

PACKING CHECKLIST

Prior to setting up the leaf vacuum, check that the following items are enclosed:

Item Quantity Check if enclosed

WBLV506 Leaf vacuum	1	_____ Yes	_____ No
WBLV506 Nozzle A	1	_____ Yes	_____ No
WBLV506 Nozzle B with handle	1	_____ Yes	_____ No
WBLV506 Collecting bag	1	_____ Yes	_____ No
WBLV506 Leaf vacuum Operator s manual	1	_____ Yes	_____ No
Engine Operator s manual	1	_____ Yes	_____ No

If any of these items are missing, please contact local dealer and ask for the Service Department at once.

DO NOT ATTEMPT ASSEMBLY OR OPERATION WITHOUT ANY OF THESE LISTED PARTS!

All WEIBANG parts are guaranteed by a thirty (30) day warranty against any manufacturer' s defects in workmanship and material. Consult Warranty page in the Operator' s Manual for further details on our Warranty Policy.



READ all safety instructions before assembling unit.

TAKE CAUTION when removing the unit from the box.



PUT OIL IN ENGINE BEFORE STARTING

II HOW TO SET UP YOUR LEAF VACUUM

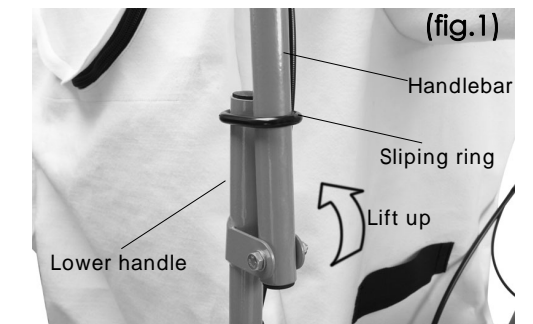
CAUTION: Wear protective gloves during operation of setting up your vacuum.

NOTE: This unit is a ground supported machine, and it should not be mounted to a truck or to a trailer for operation.

1. **SECURELY ATTACH** exhaust chute to the turbine house with the hardware located on the exhaust chute.

TURN AND LOCK THE HANDLEBAR

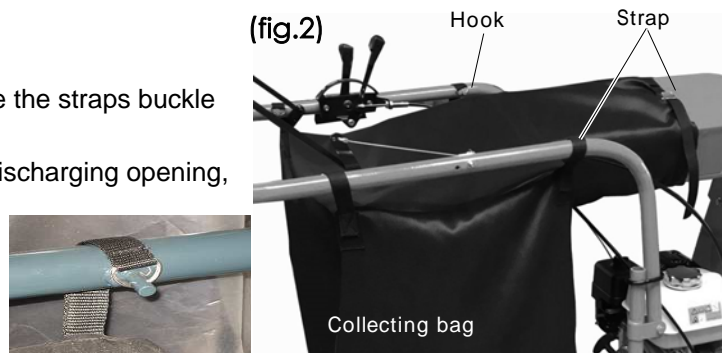
- Turn the handlebar toward machine tail until its lower section is parallel and close together with vertical tube of lower handle.
- Move down two slip ring respectively on both sides, until they lock the handlebar securely.
- When storing the machine, in order to save space, you can turn the handlebar back to machine head by pulling up slipping rings.



ASSEMBLY CONT 'D...

INSTALLING COLLECTING BAG

- Unfold collecting bag to mounting state.
- Twining straps on handlebar tube and make the straps buckle catching the hook on inside of tube.
- Install intake opening of collecting bag on discharging opening, and tighten the belt securely.

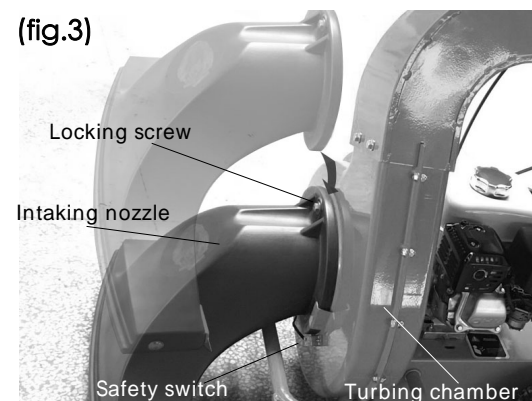


CAUTION: For maintenance purpose, If the bag need removing from the discharging opening, make sure the machine have been stopped completely before you work on it.

INSTALLING SUCTION NOZZLE

- Along the direction from top to bottom, Insert the nozzle flange into slots on both sides of central opening.
- Press down the top side of nozzle flange to let bottom side of flange to press on the safety switch, and then tighten the self-locking screw.

Note: If the locking screw loose, the nozzle may not contact the safety switch, which will cause engine flameout.



INTERLOCK SYSTEM

With nozzle installed (as shown in Fig. 3), the switch is open & the engine is not grounded, which allowing engine to run.

FEATURES AND CONTROLS

FEATURES AND CONTROLS

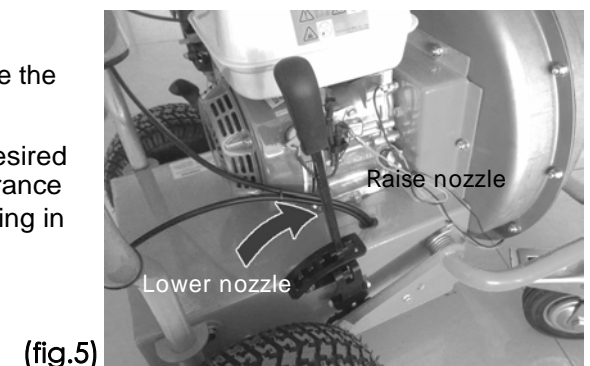
The following is a overview of important control and operation mechanisms with which the operator must be familiar PRIOR to using the leaf vacuum. Failure to do so may result in severe injury and/or fatality to the operator and others and may lead to reduced machine life or damage to this machine.



OPERATION

SETTING MACHINE

- Park the machine steadily on horizontal surface. Observe the thickness of deposited ground leaves,
- Pull out the adjustment lever from catch and turn to desired position, and then release lever back to catch. The clearance between nozzle and ground surface should suit for sucking in falling leaves.



(fig.5)

OPERATION CONT ' D...

PRE-OPERATION CHECKLIST

Before using the WBLV50 leaf vacuum, with the spark plug wire disconnected from the spark plug, please perform the following procedures for the personal and property safety of the operator and jobsite and for optimal performance.

- 1) Review section "Safety" and section "features and Controls" which is in this owner's manual. Read the separate Engine Owner's Manual provided with the unit. Read all safety, controls and operating instructions on decals located on machine.
- 2) Check and make sure that all nuts and bolts, especially the blade attachment-bolt, are tighten and all guards and deflectors are in place and in good working condition. Tighten or replace as needed.
If there are any worn or damaged parts, DO NOT ATTEMPT TO OPERATE THE MACHINE. Make note of required parts, and contact WEIBANG'S local dealer or WEIBANG's exclusive national distributor for replacement parts and further assistance to service the unit PRIOR to any further use.
- 3) Are there any cracks or damage on the engine. Consult with the engine Manufacturer's Manual" for guidelines and Instructions on service. DO NOT ATTEMPT TO OPERATE THE MACHINE until engine is refurbished to engine Factory standards.
- 4) With the unit on level ground, check the engine oil level according to the instructions in the engine owner's manual. The oil level should be at the "FULL" mark on the dipstick or up to the top of the oil fill hole on engines without a dipstick.
- 6) Check and make sure that the turbin chamber is empty.

CAUTION: If any of the above checks fail, please take necessary steps to maintain or repair the unit before operating it in any environment.

CAUTION: Always wear proper safety clothing and equipment for the job.

These can and should include eye and ear protection, gloves, dust mask and any other items that are appropriate for the job and jobsite requirements.

WARNING: Before operating the machine, be sure to read all safety, controls and operating instructions in this Owner's Manual and on decals located on machine. Server personal injury or property damage could result if this instruction is not followed.

Always start your vacuum with the machine speed control lever in SLOW speed.

STARTING AND STOPPING THE ENGINE

The operator must be one close to the vacuum when it use.

Before starting up the machine, check the following:

- The condition of the cable winch.
- The side panel with hose must be securely attached.
- The suction nozzle shall be keep a suitable distance to the floor to prevent aspiration of a foreign body at boot time.
- The environment of the machine must be free, pay special attention to the ejection zone.
- The discharge deflector must be adjusted so that the product is ejected not harmful to the environment.
- Check the engine oil level.
- Check the fuel level.
- The throttle lever must be in position starting mid-accelerated.

DANGER: Do not operate the engine in an enclosed area. Engine exhaust contains carbon monoxide, a deadly gas that is odorless, colorless and tasteless. Always run engine outdoors and make sure there is adequate ventilation.

To start the engine

- 1) Move the engine chock control lever to choke setting to start a cold engine.
- 2) Pull the brake control lever and lock it to release the engine brake.

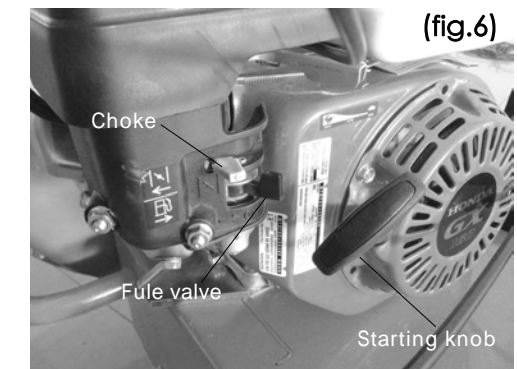
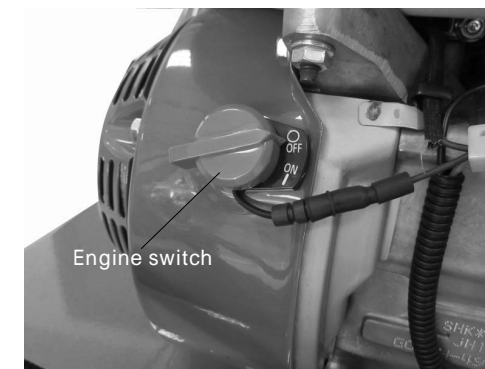
WARNING: To avoid injury, look behind you to be sure there are no obstacles before pulling recoil starter rope.

OPERATION CONT ' D...

3) To start engine using recoil starter:

- A: Turn engine switch to "ON".
- B: Stand on left side (as viewed from behind handlebars) of machine.
- C: Grasp starter rope handle and pull slowly until rope pulls slightly harder. Let rope rewind slowly. Then pull rope with a rapid, full arm stroke. Let rope return slowly.
- D: when engine starts, operate in fast throttle setting (move throttle from choke setting to fast setting slowly to engage the blades).

CAUTION: When you pull the engine starter knob to start the engine, When you pull the engine starter knob to start the engine, please stop the operation and check the causes in case the engine fails to start in 30 second after repeated starting operation. See trouble shooting.



Note: This machine is equipped with safety switch, the engine may not start if suction nozzle(hose) is installed improply.

To stop the engine

1. Move throttle from fast setting to slow position.(Whenever possible, gradually reduce engine speed before stopping Engine.)
2. Move the throttle control all the way to stop position.

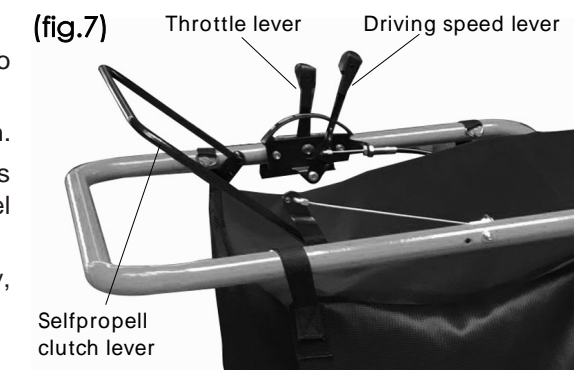
Before using the machine, please refer to the operator's manual to find guidelines about starting, operation, and additional security.

SHIFT THROTTLE CONTROL LEVER ON SLOW POSITION FOR STARTING ENGINE.

VACUUMING OPERATION

IMPORTANT: With the machine off and spark plug disconnected check the condition of the replaceable liner before every use and replace if necessary.

- Adjust the throttle lever slowly to accelerate the engine to rated speed.
- Adjust the driving speed lever to desired speed position.
- Keep one hand holding handlebar, and other hand press down the selfpropell clutch lever slowly, to make driving wheel turning.
- Two hands keep holding handlebar and clutch lever firmly, and then can you suck falling leaves.



INTAKE OPERATION: With machine running and fully assembled, move the nozzle in sweeping motions over debris. Always allow air to flow into the nozzle along with the debris. Do not completely block the nozzle when vacuuming, it will reduce performance, and increase clogging (figure 3).

For removal of heavier debris, or debris that is stuck to the ground, rock nozzle forward to concentrate suction around the debris (figure 4).

OPERATION CONT 'D...

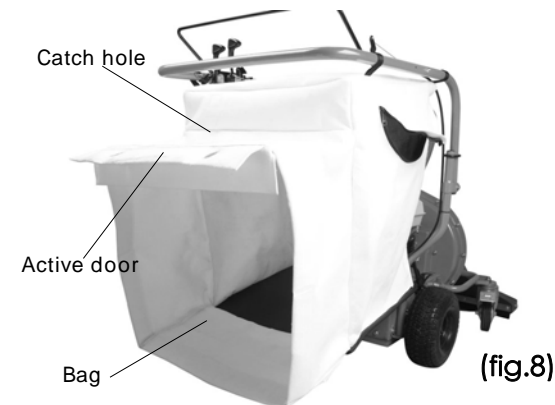
CLEANING COLLECTING BAG

When the collecting bag is full, you can discharge debris from bag's active door.

CAUTION: Before opening the active door of collecting bag, move throttle from fast setting to slow position and stop the engine by turn engine switch to "off".

1. Unscrew lock buttons around the active door of collecting bag, and then open the active door slowly to discharge debris.
2. Wear gloves, use a suitable tool to clean up residual debris in bag. it is prohibited to remove debris with bare hands directly.
3. Re-close the active door and then lock all buttons.

CAUTION: Make sure the active door is closed securely before restart the engine,



(fig.8)

UNCLOGGING A CLOGGED HOUSING OR EXHAUST CHUTE

- If the unit sucks debris too fast, the turbin chamber may be choked, and which may lead to engine flame out.
 - Turn engine off immediately and wait for impeller to come to a complete stop. Disconnect spark plug wires.
 - Remove the nozzle from the housing and determine where the clog is located. If possible clear the clog through the intake opening. It may require removal of the intake adaptor (item 16) to allow access to clear the housing.
 - If clog is in the exhaust chute, carefully remove the chute by removing the bolts and nuts on the chute.
- Danger,** the clog may contain sharp materials. Wearing durable gloves and clear the clog.
- Reconnect spark plug wire after nozzle or hose is installed properly.



CAUTION: Do not cleaning the turbin room by hand without tools. Only remove the debris when the turbin come to a complete stop.

SERVICE AND ADJUSTMENT

Before any service and adjustments:

1. Make sure the blade and all moving parts have stopped completely.
2. Disconnect cable from the sparkplug and place where it cannot come in contact with plug.

CAUTION

- Any modifications unauthorized by manufacturers to the machine will lead to the failure of warranty.
- Do not operate the machine until read and understand all enclosed operator s manual.

CAUTION:

WEIBANG parts have been designed and manufactured to the highest quality demands for durability and performance of a commercial operation. Always use original spare parts with the logo "WEIBANG" to ensure maximum performance, reliability and service life from your WEIBANG machine.

ENGINE

ENGINE SPEED

Your engine speed has been preset at the factory.

Do not attempt to increase the engine speed, as this may result in personal injury. If you believe that the engine is running too fast or too slow, take your sod cutter to an authorized service centre for repair and adjustment.

THROTTLE CONTROL

If it becomes necessary to adjust or replace the throttle control, see the adjustment section of your engine manual.

CARBURETOR

The carburetor has been preset at the factory and adjustment should not be necessary.

However, minor adjustment may be required to compensate for differences in fuel, temperature, altitude or load.

- The air filter must be assembled to the carburetor when running engine.
- Best carburetor adjustment is obtained when fuel tank is full.
- For further information, please see the Adjustment section of your engine manual for further instruction.

Contact your nearest authorized engine service department or your local dealer to maintenance engine and consulting warranty issues.

In case any engine failure during the warranty period, the machine should be sent to authorized engine service department for checking but not disassembled by customers, otherwise it will lead to the warranty invalid.

VACUUM

● For easier access to cleaning the vacuum, the machine may be tipped on its engine guard for NO MORE THAN 2 MINUTES. Engine damage may result from gasoline flowing into the crankshaft due to prolonged tipping. Refer to the engine operator's manual and maintenance instructions.

● The vacuum can be tilted forward in 30 seconds, by lifting up the handle bar. Engine damage may result from gasoline flowing into the engine's cylinder due to prolonged tipping.

Refer to the engine operator's manual and maintenance instructions.

STORAGE

When vacuum is to be stored for a period of time, clean it thoroughly, remove all dirt, grease, leaves, etc.

Store the vacuum in a clean and dry place.

1. Clean the entire vacuum (See "CLEANING" in the customer Responsibilities section of this manual)
2. Lubricate as shown in the Customer Responsibilities section of this manual.
3. Be sure that all nuts, bolts, screws and pins are securely fastened. Inspect moving parts for damage, breakage and wear. Replace if necessary.
4. Touch up all rusted or chipped paint surfaces; sand lightly before painting.
5. Apply some grease or anti-rust paint on the blade surface will inhibit rusting.
6. Store the machine out of children' s access and in a covered or indoor storage area for increased protection and longevity. Ensure that the area in which the machine will be stored is well-ventilat ed and free of any potential fire hazards such as open flames, gas appliances, furnaces, water heaters, and other appliances.

STORAGE CONT ' D...

FUEL SYSTEM

IMPORTANT: DURING STORAGE, IT IS IMPORTANT TO PREVENT GUM DEPOSITS FROM FORMING ON ESSENTIAL SYSTEM PARTS, SUCH AS THE CARBURETOR, FUEL FILTER, FUEL HOSE OR FUEL TANK. EXPERIENCE ALSO INDICATES THAT ALCOHOL BLENDED FUELS, ALSO CALLED GASOHOL, OR THE USE OF ETHANOL OR METHANOL, CAN ATTRACT MOISTURE WHICH LEADS TO SEPARATION AND THE FORMATION OF ACIDS DURING STORAGE. ACIDS CAN DAMAGE THE FUEL SYSTEM OF AN ENGINE WHILE IN STORAGE.

- Drain the fuel tank.
- Start the engine and let it run until the fuel lines and carburetor are empty and dispose of it in a safe, responsible manner.
- Never use engine or carburetor cleaning products in the fuel tank, as permanent damage may occur.
- Refill the fuel tank with fresh fuel at the start of next season.

NOTE: Fuel stabilizers are an acceptable alternative for minimizing the formation of fuel gum deposits during storage. Add stabilizing agents to the petrol in fuel tank or storage container. Always observe the mixing ratio found on stabilizer container. Run the engine for at least 10 minutes after adding a stabilized fuel, to allow the stabilizer to reach the carburetor. Do not drain the gas tank and carburetor if using stabilizer.

- Drain oil (while engine is warm) and replace with clean engine oil (see "ENGINE" in the CUSTOMER RESPONSIBILITIES section of this manual).

CYLINDER

- Remove the sparkplug.
- Pour (29 ml) oil through the sparkplug hole into the engine cylinder.
- Pull the starter handle slowly a few times to distribute the oil.
- Replace with new sparkplug.

OTHER

- Do not store petrol from one season to another.
- Replace your petrol can if your can starts to rust. Rust and/or dirt in your petrol will cause problems.
- If possible, store your vacuum indoors and cover it to give protection from dust and dirt.
- Cover your vacuum with a suitable protective cover that does not retain moisture. Do not use plastic. Plastic cannot breathe which allows condensation to form and will cause your vacuum to rust.

IMPORTANT: NEVER COVER THE MACHINE WHILE ENGINE AND EXHAUST AREAS ARE STILL WARM.

CAUTION: Never store the vacuum with petrol in the tank and inside a building, where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.

MAINTENANCE

CUSTOMER RESPONSIBILITIES

This section encompasses two general types of maintenance: 1. Preventative Maintenance and 2. General Service. The first refers to regularly scheduled routine care of the sod cutter, such as cleaning and lubrication. The second provides information on common procedures, such as changing blade, and adjusting the drive belt that are to be performed as needed.

By following the Inspection Schedule below BEFORE and AFTER each use of the sod cutter, appropriate actions can be taken to extend the service life of the machine and reduce any costly repairs and unnecessary downtime for the unit.

All service should be performed by trained technicians.

Inspection Schedule

The following list aims offer some basic guidelines to performing a detailed inspection BEFORE and AFTER each use. Certain checks will require some disassembly, i.e. the removal of the drive guard, to perform. Depending on various environmental conditions and frequency of use, other inspection points may have to be added for each machine

MAINTENANCE CONT ' D...

Item	Yes	No
Is the engine oil filled to recommended levels? Consult Engine Manufacturer's Manual.		
Is the engine air cleaner properly attached and clean? Consult Engine Manufacturer's Manual.		
Are the safety warning labels and other decals clearly identifiable and legible? If not, ensure that fresh decals will be re-applied prior to use for operator safety.		
Are throttle cable and clutch cable properly attached? Refer to " Setting up the sod cutter" for details.		
Are throttle cable and clutch cable worn or visibly damaged? Replace if necessary.		
Is the frame and handle in good condition with no visible damage or rusting? If not, contact local dealer to replace machine prior to further use.		
Are all fasteners in good working condition? Tight all loosen fasteners.		
Does the machine run with excessive vibration? If so, please contact your dealer for solutions.		

Preventative Maintenance Procedures

Maintaining a regular cleaning and lubrication schedule as well as taking time to perform preventative maintenance procedures will prolong the service life of the vacuum. The following are guidelines to setting up a regular maintenance routine for the vacuum.

Cleaning the Vacuum

Regular cleaning will help extend the service life of the machine.

- After each use, the vacuum, in particular the blade should be cleaned. Scrape the bottom of gear box and blade to remove accumulations of leaves or trash.
- Clean the engine often, to keep trash from accumulating. A clogged engine runs hotter and shortens engine life.
- We do not recommend using a garden hose to clean the leaf vacuum, unless the electrical system, muffler, air filter and carburetor are properly covered to keep out water. Water in the engine can result in a shorter engine life. Take care when using a power pressure washer to clean the unit, and avoid damaging any safety or operating instruction decals. Avoid directly spraying engine. **DO NOT USE ANY MACHINE RATED HIGHER THAN 1000 PSI.**
- Beware of damaging any warning decals and labels, as well as engine. Limit direct spray on these objects to help prevent their wear and tear.
- For easier access to cleaning the vacuum, the machine may be tipped on its engine guard for **NO MORE THAN 2 MINUTES.** Engine damage may result from gasoline flowing into the crankshaft due to prolonged tipping. Technician should read and thoroughly understand all manuals pertaining to the machine to be serviced. Do **NOT** proceed with any service and maintenance activity until **ALL** questions and concerns have been addressed. Please call your local dealer for technical support and advice.

ALWAYS consult and verify that all local codes and bylaws are followed before performing any service or maintenance procedures.

GENERAL SERVICE PROCEDURES

General safety procedures

Before performing any service and maintenance procedures, consult these general safety procedures for a safe working environment.

- Make sure that both the engine and vacuum are cool prior to any service or maintenance work.
- Verify that work area is clean and free of any debris, tripping or fire hazards, and other potential sources of danger.
- Always wear proper safety clothing and equipment for the job. These can and should include eye and ear protection, gloves, dust mask and any other items that are appropriate for the job and jobsite requirements.
- Ensure that the technician has tied back or remove any loose hair, clothing and any other potential hazards and obstructions
- Disconnect spark plug.

The following are general guidelines for servicing common wear components on the WBLV50 LEAF VACUUM. **ALL MAINTENANCE AND SERVICE WORK MUST BE PERFORMED BY A TRAINED AND EXPERIENCED TECHNICIAN.** Ensure that the work area is clean and free of debris prior to starting any maintenance or service work. Small particles may become trapped in key components that may lead to serious damage to the machine and cause severe bodily harm to the operator or technician.

MAINTENANCE CONT 'D...

Use WEIBANG brand-name parts for compatibility and optimum performance. Use of any other parts prior to consulting with your local dealer will void all warranties expressed herein.

Pre-maintenance

1. When this equipment is stopped for servicing, inspection, storage, or to make adjustments, make sure the spark plug wire is disconnected from the spark plug. Also, make sure the engine has cooled down before you make any inspections, adjustments, etc.
2. Use only original WEIBANG replacement parts. Parts from other manufacturers could be dangerous during operation even though they may appear to fit properly.
3. Make certain all safety decals on this equipment are kept clean and in good condition. The decals are shown (at reduced sizes) before. All decals are available for replacement except that with the serial number of the unit for each number serves as a unique identifier for warranty and support purposes. If you need a replacement decal, please call your dealer for re-ordering.

WARNING: Do not leave machine unattended or attempt any inspection or service unless the engine is stopped. Remove spark plug wire from spark plug. Allow machine to come to a complete stop.

General recommendations

The warranty on this vacuum does not cover articles that have been subjected to operator abuse or negligence. To maintain a complete coverage by the warranties provided, the operator must maintain the vacuum as instructed in this manual. For a proper maintenance of your vacuum, some adjustments will need to be made periodically. All adjustments in the Service Adjustments section of this manual should be checked at least once each season.

- Replace the sparkplug, clean or replace the air filter element and check blade(s) for wear once very year. A new spark plug, and a cleaned or new air filter element, assures a proper air-fuel mixture and helps your engine run better and last longer.
- Observe the maintenance schedule in this manual.

WARNING: MAKE SURE DO CARRY OUT ALL MAINTENANCE AND SERVICE WORKS WHILE THE ENGINE IS STOPPED.

MAINTENANCE CONTENTS

BEFORE EACH USE

- Check engine oil liquid level.
- Check for loose screws, nuts, bolts or fasteners.

LUBRICATION

- Assure a proper lubrication of your chipper/shredder (See "LUBRICATION CHART").

LEAF VACUUM

- Always observe safety regulations when performing any maintenance or service works.

ENGINE

Read the Maintenance section of your engine manual.

LUBRICATION

Use only high quality detergent oil, which has an API service classification of SF-SJ. Select the oil's SAE viscosity grade according to your expected operating temperature.

NOTE: Although multi-viscosity oils (5W30,10W30 etc.) improve starting in cold weather, these multi-viscosity oils will result in increased oil consumption when used above 0°C (32°F). Check your engine oil level more frequently to avoid possible engine damage from running low on oil. Change the oil after every 25 hours of operation, or at least once a year if the chipper/shredder is not used for 25 hours in one year. Check the crankcase oil level before starting the engine and after each five (5) hours of continuous use. Retighten the oil plug securely each time you check the oil level.

MAINTENANCE CONT 'D...

CHANGING ENGINE OIL

1. Disconnect sparkplug cable from sparkplug and place the cable where it can not come into contact with sparkplug.
2. Remove engine oil cap; lay aside on a clean surface.
3. Remove the drain plug on the bottom of the engine and drain oil into a suitable container. Grasp starter rope handle and pull slowly to rotate the crank shaft and remove any oil trapped inside of engine.
4. Reassemble and fasten the drain plug. Wipe off any spilled oil from the engine.
5. Refill engine with the recommended lubricant. See "ADD OIL" in the Operation instructions section of this manual.
6. Reconnect sparkplug cable to sparkplug.

CAUTION: Disconnect sparkplug cable from the sparkplug and place wire where it cannot come into contact with Sparkplug.

AIR FILTER

Your engine will not run properly and may be damaged by using a dirty air filter. Clean the element after every 25 hours of operation, or more often if chipper/shredder is used in very dusty or dirty conditions. See the Maintenance section of your engine manual.

MUFFLER

Inspect the muffler regularly and replace a corroded muffler, as it could create a fire hazard and/or cause damages.

SPARKPLUG

Change your sparkplug each year to make sure your engine starts more easily and runs better. Set the sparkplug gap at 0.7-0.8 mm.

PERIODIC MAINTENANCE

Periodic maintenance should be performed at the following intervals:

Maintenance Operation		Every use	Every 5 hours (daily)	Every 10 Hours	Every 25 Hours
vacuum	Inspect for loose, worn or damaged parts.		●		
	Clean hose	●			
	Keep engine free of debris	●			
	Check for excessive vibration		●		
engine	Check engine oil level	●			
	Change engine oil				●
	Clean air filter	●		●	
	Inspect muffler				●
	Clean or replace sparkplug				●
	Replace air filter paper cartridge				●

DRIVE BELT (CHAIN) MAINTENANCE

Do not let the drive chain or belt too loose.

Changing and Adjusting the Drive Belt

Do not proceed with drive belt (or chain) adjustment until engine is cool. Do not adjust drive belt (or chain) until engine has been disabled. Disable engine by removing key from switch and then removing spark plug wire and battery cable. Be sure to wear personal protective equipment.

If it is needed to replace drive chain or drive belt, please contact your local dealer for details.

CHANGE GEARBOX OIL

The oil of gearbox need changing regulaly.

Manufacturer extremely recommends that this work should be operated by an professional maintenance personnel of authorized dealer or service center.

MAINTENANCE CONT 'D...

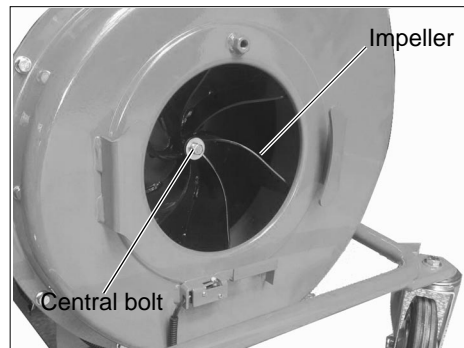
TRUBINE REPALACEMENT

If turbing is damaged, repair it or replace it with new one.

1. Wait for engine to cool and disconnect spark plug wires from the engine.
2. Remove the nozzle or hose from the unit.
3. Remove the intake housing assembly by removing (6) locknuts. Be careful to place intake assembly to the side without putting excess strain on safety switch wire harness.
4. Remove central bolt , and spacer using socket and impact wrench (fig. 6).
5. Once central bolt is removed, the turbine should slide out freely. If the turbine does not slide off freely use penetrating oil and work the hub off using a pry bar. Do not use the pry bar on the impeller plate.
6. When turbine is free of the engine shaft, align turbine with the opening and pull it straight out of the housing.
7. Using a new central bolt, washer, install new turbine in reverse order.

Note: Be sure that the key is in place on the engine shaft before installing impeller.

8. Tighten turbine bolt. Torque the turbine bolt to [33-38 Ft. Lbs. (45-52 N.m)]
9. Repeat steps 2 through 5 in reverse order.
10. Reinstall spark plug wires.



(fig.10)

TROUBLE SHOOTING

Problem	Possible Cause	Solution
Engine will not start.	Throttle & / or stop switch in off position. Out of gasoline. Bad or old gasoline. Spark plug wire disconnected. Hose not installed, allowing interlock wire to ground. Harness wire is bad or disconnected from interlock switch. Dirty air cleaner.	Check stop switches, throttle, and gasoline. Connect spark plug wire. Install hose coupler securely to the unit and check whether interlock switch is engaged by hose flange. Check harness wire connection and replace if necessary. Clean or replace air cleaner.
Engine is locked, will not pull over.	Debris locked against impeller. Engine problem.	Clearing clogged impeller housing. Contact an engine servicing dealer for engine problems.

TROUBLE SHOOTING CONT 'D...

Engine lacks power	Fuel hose choked or has air in it Muffler, exhaust carbon deposits Air filter element(s) clogged Breather tube leak Piston, piston ring and cylinder wore Interface leak between cylinder head and cylinder block Valve clearance improper Plug wire loosed Impurity or water in fuel system Fuel filter cap exhaust choked Carburetor improper adjust Fuel hose choked or has air in it Valve leak	Clean and let air out Clean Clean or replace Fix or replace Replace Replace cylinder gasket Readjust Connect firmly Drain tank, refuel fresh gasoline Clean Readjust Clean and let air out Honing valve
Flameout during running	Out of fuel Carburetor choked Spark plug damage Ignition winding damaged Cylinder or valve damaged Machine overload or turbin chamber is jammed	Refuel Check and clean Replace Replace Fix or replace Open the active screen to eliminate the jam. Then restart the engine.
Engine overheat	Engine oil lack Air circulate is not expedite Carburetor improper adjust	Add engine oil Clean engine fan Readjust
Abnormal vibration.	Loose or out of balance impeller or loose engine	Check impeller and replace if necessary. Check engine.
Will not vacuum or has poor vacuum performance	Nozzle buried in debris. Clogged exhaust Excessive quantity of debris.	Withdraw nozzle from debris pile. Unclog exhaust. Allow air to feed debris.

GUIDE TO PARTS BREAKDOWN

Regular maintenance and parts replacement are important steps to extending the life of your equipment and enjoying its optimum performance. When performing or conducting any maintenance or repairs, always check that your working surroundings are safe and well-ventilated and that the technician is familiar and comfortable with all aspects of the machine and required procedures.

This guide aims to serve as a representational guide to the WBLV50KL. Any other uses or application beyond the scope of this document are strictly prohibited. While every attempt has been made to maintain its accuracy WEIBANG reserves the right to update and modify the equipment without prior notification.

Prior to undertaking to perform any maintenance or repair procedures, please contact our Technical Support Hotline for clarification and to acquire appropriate parts.

To order spare parts, please provide the following information:

1. Machine Make
2. Model Number
3. Machine Serial Number
4. Quantity Required of Each Part
5. Part Numbers
6. Part Descriptions.

All WEIBANG parts are guaranteed by a thirty (30) day warranty against any manufacturer's defects in workmanship and material. Consult Warranty page in the Operator's Manual for further details on our Warranty Policy.

EC DECLARATION OF CONFORMITY

Business name of the manufacturer: **Yangzhou Weibang Garden Machine Company Limited**

full address of the manufacturer: **Hanjiang Industrial Park, Yangzhou City,**

Jiangsu Province 225127, P. R. China

name and address of the person (established in the Community) compiled the technical file:

Van Dyck Marcel Belgium, Provinclebaan 79, 2235 Houtvenne Belgium

We declaring that the machinery

product name: **Universal sucker , powered by Gasoline**

commercial name: **Leaf vacuum, powered by Gasoline**

function: **Pick up leaf**

Model: WBLV506H WBLV506C WBLV506HV WBLV506CV

series no.:

type: **gasoline powered**

fulfils all the relevant provisions of Directives:

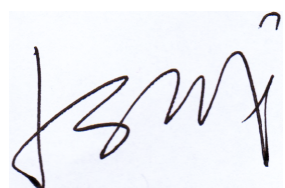
2006/42/EC

and tested in accordance with below standards:

ISO 21628

place and date of the declaration: **Yangzhou, P. R. China, 2016-08-26**

signature of the person:



General Manager

WEIBANG WARRANTY STATEMENT

YANGZHOU WEIBANG GARDEN MACHINE COMPANY LIMITED guarantees all WEIBANG Leaf Vacuum to be free from any manufacturer's defects in material and workmanship for a period of 1 year from the date of purchase. This warranty is exclusive of the engine (please consult the accompanying engine manual with your unit for details), and any normal wear and tear and/or consumable parts, such as, but not limited to, spacers, blade, brake cable, and throttle cable. All normal wear and tear and/or consumable parts are protected from manufacturer's defects in material and workmanship for a period of thirty (30) days from the date of purchase.

Weibang Warranty Summary	Protection
1. WEIBANG Professional Leaf Vacuum Unit	1 year parts and labour
2. WEIBANG normal wear and tear parts or consumable parts	30 days parts and labour
3. Engine	Consult with engine manufacturer

A warranty period of 180 days applies to machines used in hire and rental applications.

To make a warranty claim within this time period, please contact WEIBANG's local dealer or WEIBANG's exclusive national distributor, who will advise the validity and claim procedure.

Warranties expressed in this document are void if repairs are attempted by anyone other than an Authorized Service Centre or WEIBANG's exclusive national distributor, or if the unit has been modified from original factory design in any way. This warranty is expressly conditional upon the customer's compliance with all precautions and instructions contained in this manual and excludes any claims made as a result of abuse, neglect, accident, normal wear and tear and misuse. This warranty is nontransferable.

Yangzhou Weibang Garden Machine Company Limited

Hanjiang Industrial Park

Yangzhou, Jiangsu, P.R. CHINA

Tel : +86-514-87849975 Fax: +86-514-87849938

Email questions and comments to:

Sale@weibang.com

Visit our website:

www.weibang.com