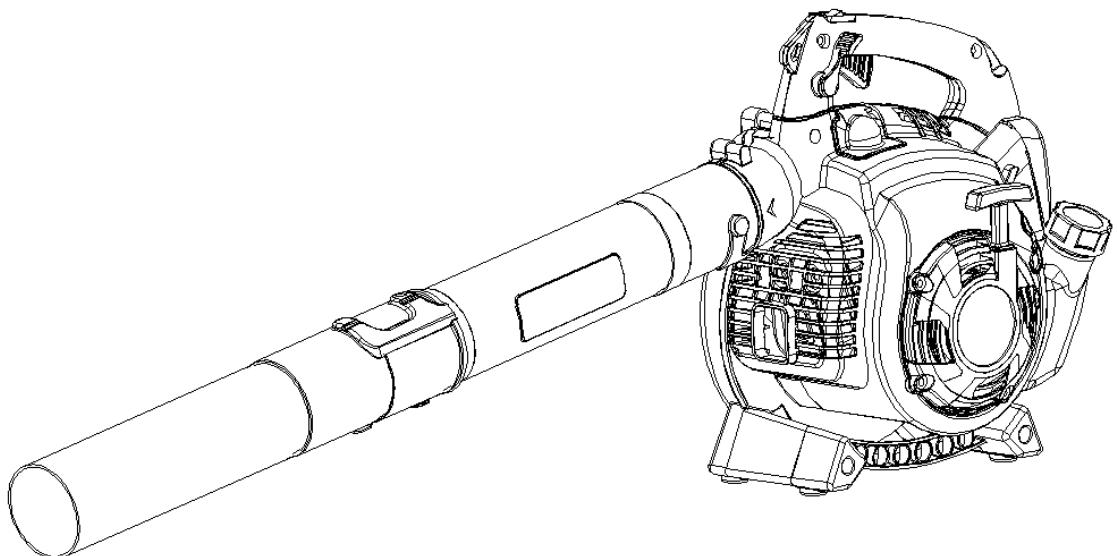




MODEL:BL2500

BLOWER WITH VACUUM KIT



WARNING

Always wear eye and hearing protection when operating this machine. Minimize the risk of injury : Read this manual and familiarize yourself with its contents. This product is intended for outdoor use only and should be used only in well ventilated area.

INTRODUCTION

EBV260 engine blower has been designed and built to deliver superior performance and reliability without compromise to quality, compromise to quality, comfort, safety, or durability. EBV260 high performance engines represent the leading edge of 2-cycle engine technology, delivering exceptionally high power at remarkably low displacement and weight . As a professional owner/operator, you'll soon discover why EBV260 is simple in a class by itself!

IMPORTANT!

The information contained in this manual describes available at the time of production. While every attempt has been made to give you the very latest information about your EBV260, there may be some differences between your machine and what is described here . We reserves the right to make changes in production without prior notice, and without obligation to make alterations to machines previously manufactured. Before using this product, consult local regulation noise restrictions and hours of operation.



CAUTION!

This EBV260 engine machine is equipped with a speak-arresting muffler. Never operate this machine without both the muffler and spark arrestor installed and properly functioning!

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Product Description	5
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ATTENTION STAEMENTS

This manual contains special “attention statements” surrounded by boxes and preceded by the triangular Attention Symbol



WARNING!

A statement preceded by WARNING contains information that should be acted upon to prevent serious bodily injury.



CAUTION!

A statement preceded by the word “CAUTION” contains information that should be acted upon to prevent machine damage.

Additional attention statements that are not preceded by the Attention Symbol are:

IMPORTANT!

A statement preceded by the word “IMPORTANT” is one that possesses special significance.

NOTE:

A statement preceded by word “NOTE” contains information that is handy to know and may make your job easier.



- Special safety precautions must be observed when working with the power tool.



- Read this user’s manual carefully before using this machine



- Wear eye and ear protection



- Never operate this machine when you are fatigued, ill or under the influence of alcohol.



- Never smoke when working with this machine



- Never allow children or anyone unable to fully understand the manual to use this machine



- Clothing must be sturdy and snug-fitting, but allow complete freedom of movement—the safety clothing is recommended.



- Wear heavy-duty, nonslip gloves, preferably made of chrome leather.



- Unit vibrations can cause an improperly tightened fuel cap to loosen or come off and spill quantities of fuel.

In order to reduce risk of fuel spillage and fire, tighten fuel cap.



- Warning! Your blower produces toxic exhaust fumes when the engine is running. These gases (e.g. carbon monoxide) may be colorless and odorless. To reduce the risk of serious or fatal injury from breathing toxic fumes, never run the blower indoors

or in poorly ventilated locations.



- Danger from rotating impeller! Stop the engine before installing or removing the machine tubes! Never perform any maintenance or assembly procedures on this machine while the engine is running.



- Never direct the machine stream toward people or animals!

- Operate the machine only at reasonable hours—not early in the morning or late at night when people might be disturbed. Comply with times listed in local ordinances.
- Use rakes and machine at the lowest possible engine speed to do the job.
- In dusty conditions, slightly dampen surfaces or use mister attachment if available.
- Use the full blower nozzle extension so the air stream can work close to the ground.
- Watch out for children, pets, open windows etc. and blow debris safely away.

PRODUCT DESCRIPTION!

The operational procedures described in this manual are intended to help you get the most from your machine and to protect you and others from harm. These procedures are general guidelines only, and are not intended to replace any safety rules/laws that may be in force in your area. If you have any question regarding your EBV260 blower vacuum, or if you do

not understand something in this manual, your dealer will be glad to assist you.



WARNING!

Do not make unauthorized
Modifications to this machine

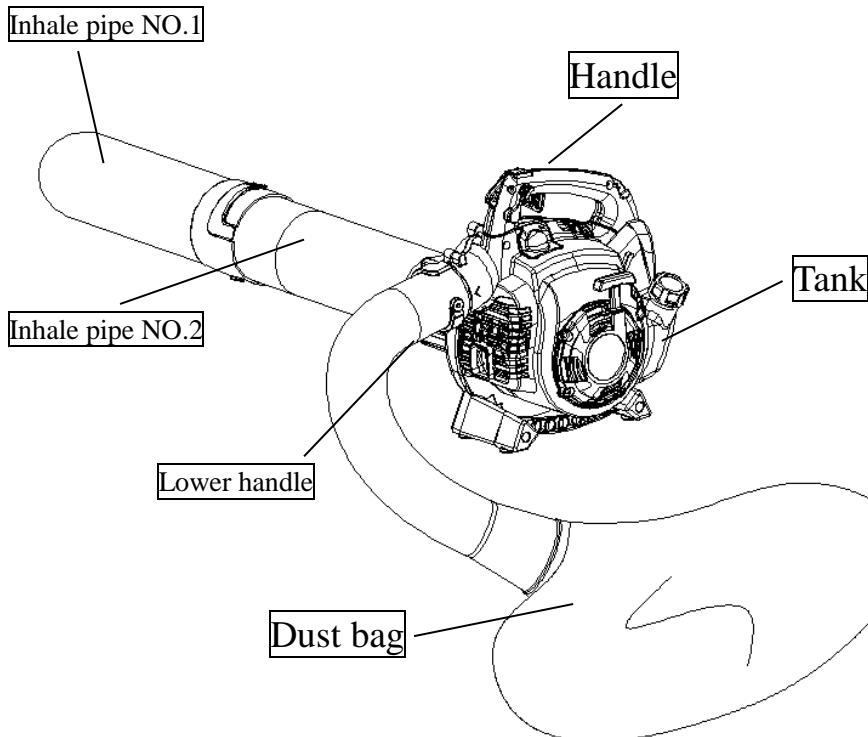
SPECIFICATIONS

Model.....	EBV260
Dimensions(L×W×H).....	570×290×410
Engine Type.....	BF26FB
Cylinder Diameter.....	34mm
Displacement.....	26cc
Fuel.....	Gasoline/oil mixture 40:1
Carburetor.....	Membrane type primer pump
Way of ignition.....	CDI
Spark plug.....	L7RTC
Starting.....	Recoil starter
Fuel Tank Capacity.....	0.5L
N.W.....	5.8kg
G.W.....	7.3kg
Rated Power (KW/r/min).....	0.7/7000
Idle speed (r/min):	3000±200

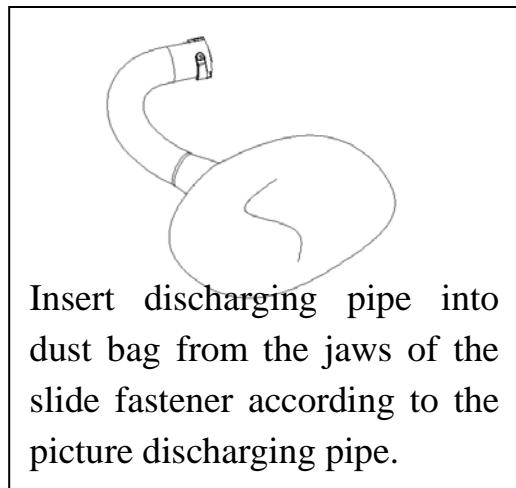
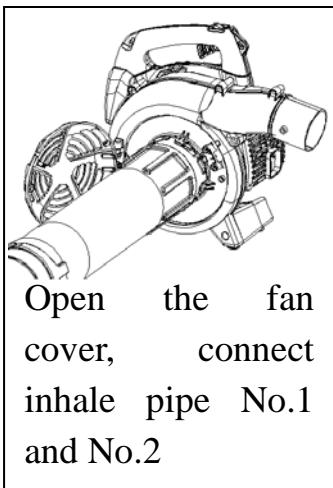
ASSEMBLING THE MACHINE

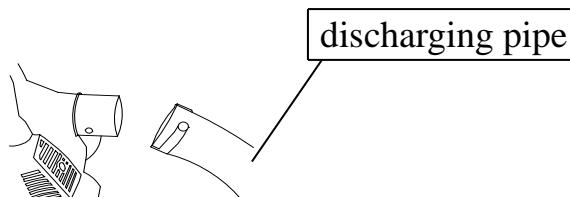
1. Assembling the vacuum

(1) Nomenclature

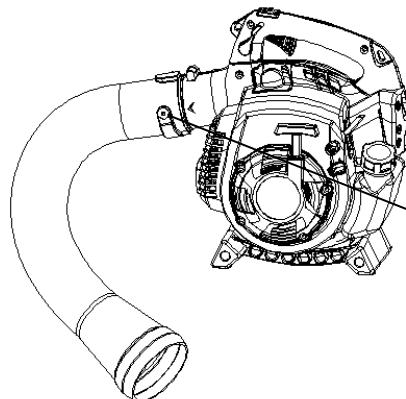


(2) Assembly



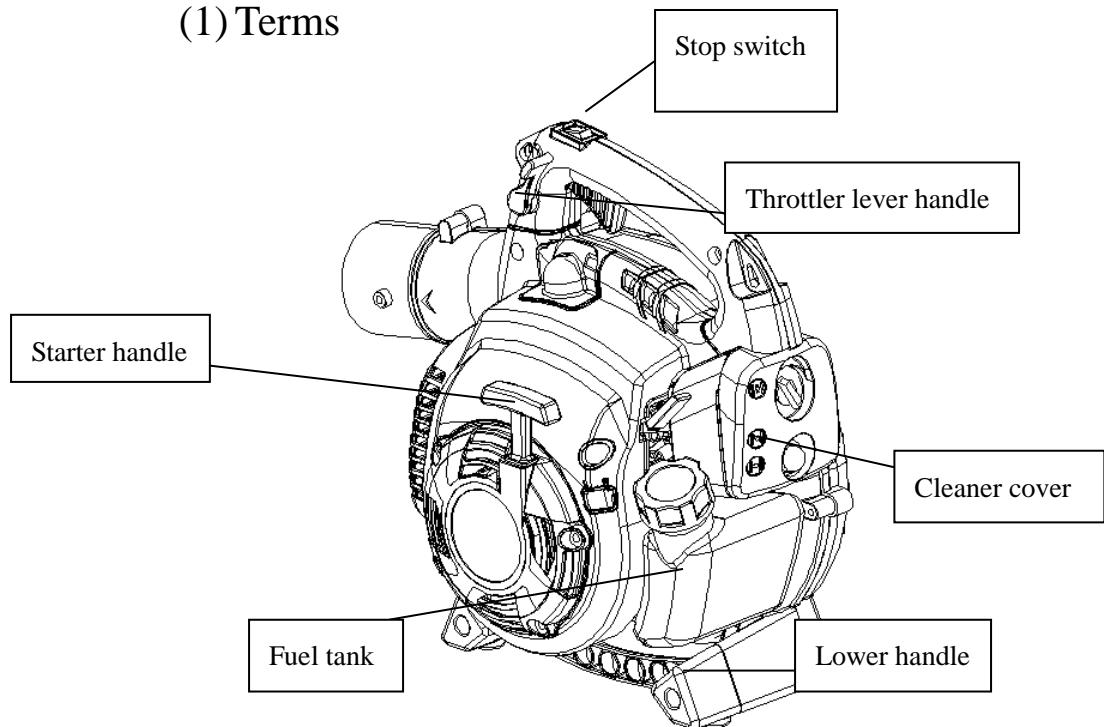


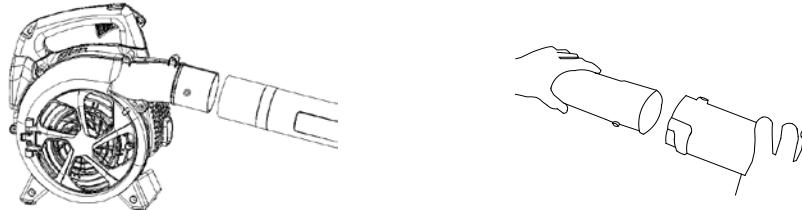
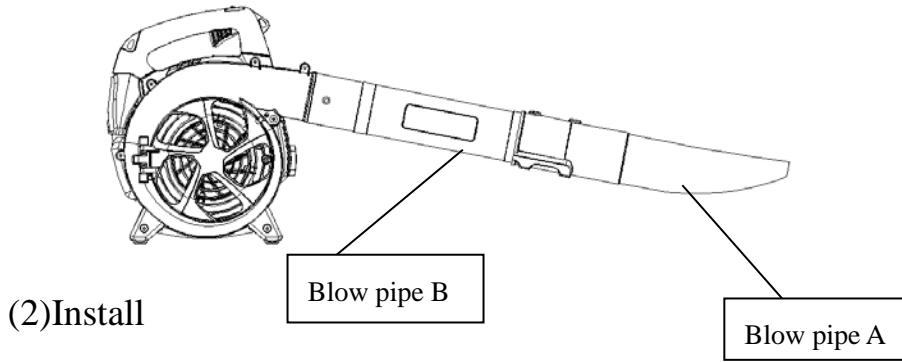
Put the discharging pipe to the machine.



2. Install blower machine

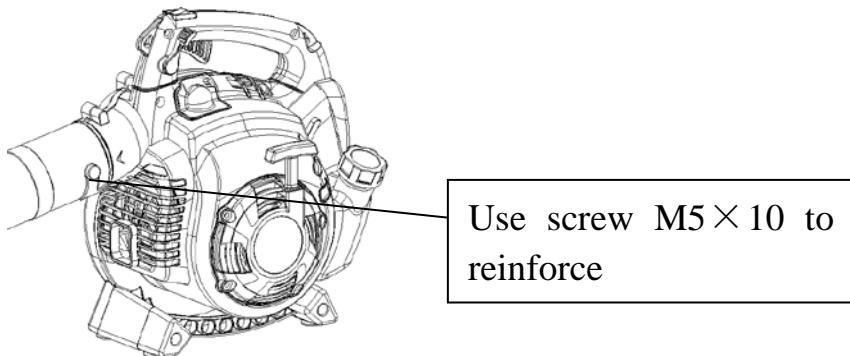
(1) Terms





Put blow pipe B to the machine
by rotating

Put blow A to B by
rotating



IMPORTANT!

Mix only enough fuel for your immediate needs! If fuel must be stored longer than 30-days, it should first be treated with a stabilizer or equivalent product!

MIXING FUEL

Fuel requirements

- Use only fresh, clean fuel
- Use only fuel with an octane rating of 90 or high
- Mix all fuel with premium 2-cycles engine oil at a gasoline/oil ratio of 40:1



CAUTION!

Never attempt to mix fuel in the machine fuel tank! Always mix all fuels in a clean, approved container!

Some gasoline contain alcohol as an oxygenated! Oxygenated fuels may cause increased engine operating temperatures! Under certain conditions, alcohol-based fuels may also reduce the lubricating qualities of some mixing oils! Never use any fuel containing more than 10% alcohol by volume! When an oxygenated fuel must be used fuel containing an ether-based oxygenates such as MTBE is to be preferred over alcohol!

Whenever possible use 2-cycle oil or equivalent oil mixed at a 40:1 ratio. Be aware that generic oils and some outboard mixing oils may not be intended for use in high-performance air cooled 2-cycle engines, and should never be used in your engine machine.



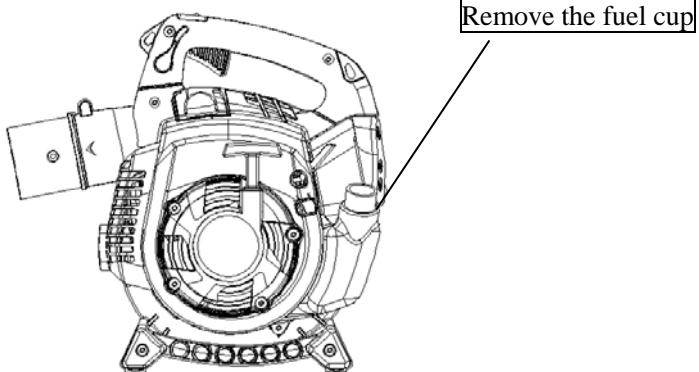
WARNING

Danger of fire! Never transfer or store fuels in the presence of combustible materials! Before starting the engine, always move the machine to a clear area at least 10-feet (3-meters) away from fuels and other combustible materials!

IMPORTANT!

Mix only enough fuel for your immediate needs! If fuel must be stored longer than 30-days, it should first be treated with a stabilizer or equivalent product!

FILLING THE FUEL TANK



WARNING!

Danger of fire and burn injury!

- Always use extreme care when handling fuel! Fuel is highly flammable!
- Never operate this blower if fuel system components are damaged or are leaking!
- Never attempt to refuel the engine while it is running !
- Never attempt to refuel a hot engine! Always allow the blower engine to cool before fueling!
- Never smoke or light any fires near the blower or fuel!
- Always transport and store fuels in an approved container!
- Never place flammable material close to the engine muffler!
- Never operate the blower without a properly functioning muffler and spark arrestor installed!
- Never operate the blower unless it is properly assembled and in good working condition!

1. Place the machine on the ground or on a sturdy work surface, and wipe any debris from around the fuel cap.
2. Remove the fuel cap.
3. Fill the tank with clean, fresh fuel.
4. Replace the cap, and wide away any spilled fuel before starting the machine.

STARTING THE MANCHINE



WARNING!

The recoil starter can be damaged by abuse!
<Never pull the starter cord to its full length!
<Always engage the starter before cranking the engine!
<Always rewind the starter cord slowly!
Never operate the machine if the tubes are missing or damaged

Starting procedure

1. Prime the fuel system by repeatedly depressing the fuel primer bulb until no air bubbles are visible in the fuel discharge line.
2. Cold engine only. Choke the engine by pulling the choke control to the fully extended position (choke is closed)
3. Place the machine on the ground, and hold the machine handle firmly with your right hand .
4. Pull the starter cord slowly until you feel the engine.
5. Start the machine by pulling the starter cord upward rapidly. If necessary, repeat step 5 two or three times until the engine starts.

When the engine starts

IMPORTANT

For maximum vacuum performance and operating life, allow the engine to warm before use.

1. Run the engine at idle speed until operating temperature is reached(2 to 3 minutes)
2. As the engine warms, open the choke gradually by slowly pushing the choke control in to the fully retracted position.
3. The machine should now be ready for use.

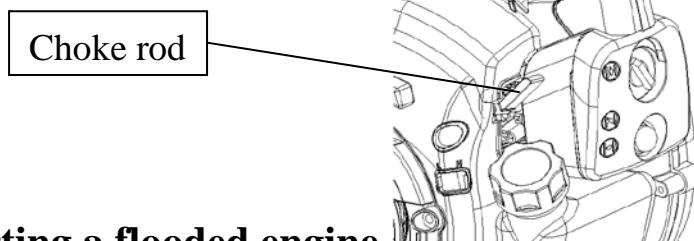
If the engine dose not start

Repeat the appropriate starting procedures for “hot” or “cold” engine. If the engine still will not start, follow the “Starting a Flooded Engine” procedure (below).



WARNING!

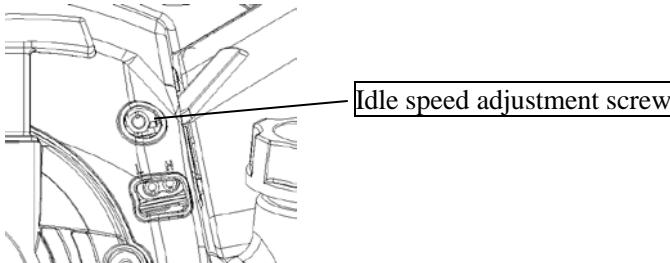
Incorrect spark plug installation
Can result in serious engine
damage!



Starting a flooded engine

1. Disconnect the spark plug lead, and use the spark plug wrench to remove the plug in a counterclockwise direction.
2. If the spark plug is fouled or is soaked with fuel, clean or replace the plug as required.
3. Clean excess fuel from the combustion chamber by cranking the engine several times while the spark is removed.
4. Install the spark plug and firmly tighten it with the spark plug wrench. If a torque wrench. If a torque wrench is available, torque the spark plug to 148-165 inch-pounds. Reconnect the spark plug lead.
5. Repeat the starting procedures for “warm engine”
6. If the engine still fails to fire or start, refer to the troubleshooting flowchart at the end of this manual.

ADJUSTING ENGINE IDLE SPEED



1. Start the engine by following the procedures described on the preceding pages.
2. Run the engine at idle speed until operating temperature is reached (2-3 minutes)
3. Use a screwdriver to adjust the engine idle speed to 3000 ± 200 r/min
 - Turn the idle screw clockwise to increase engine idle speed.
 - Turn the idle screw counterclockwise to decrease engine idle speed.

IMPORTANT!

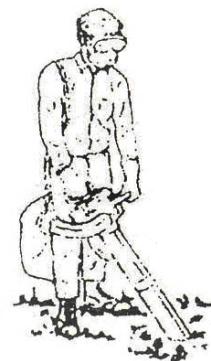
Machine tubes and intake cover must be installed while adjusting engine idle! Engine idle speed will also be affected if either the intake cover or machine tubes are blocked, damaged or incorrectly installed!

STOPPING THE ENGINE

1. Cool the engine by allowing it to run at idle for 2 to 3 minutes.
2. Stop the engine by pulling the stop switch.
 - (1) Machine noise increases at higher throttle setting!
Always use the lowest throttle setting required to get the job done!
 - (2) Never operate the blower when visibility is poor.
 - (3) Always wear eye protection such as face shield or goggles while operating this machine.
 - (4) Wear a dust mask to reduce the risk of inhalation injuries.
 - (5) Wear close-fitting clothing to protect your legs and arms.
 - (6) Wear hearing protection when operating this machine.
 - (7) Never operate the blower if any component parts are damaged, loose, or missing.

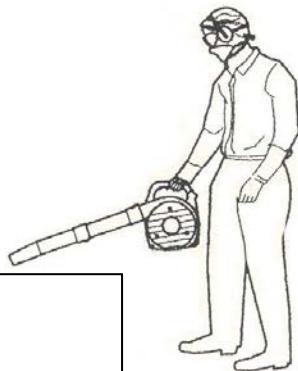
1 Using the vacuum

When using the blower vac., examine the collection bag timely. When it is full, please open the zip on the collection bag and clear it.



2 Using the blower

Always be aware of the strength and direction of stream. Never direct the blower discharge stream toward people or animals.



WARNING!

Before performing any maintenance on this machine, stop the engine and disconnect the spark plug wire!

- Remove dirt and debris from the blower exterior.
- Inspect the engine, tank, and hose for possible fuel leaks, and repair as necessary.
- Inspect the engine cooling fins for accumulations of dirt or debris, and clean as necessary.
- Inspect the entire machine for damage, loose or missing components or fastenings, and repair as necessary.

EVERY 10 HOURS (MORE FREQUENTLY IN DUSTY CONDITIONS)

1. Loosen the air cleaner cover retaining screw, and remove the cover and filter element.

2. Inspect the element. If the element is distorted or damaged, replace it with a new one.
3. Wash the element in clean fuel, and squeeze or blow dry. Wash the air cleaner cover in clean fuel, and wipe or blow dry.
4. Install the element and cover, and the tighten the cover retaining screw.

EVERY 10/15 HOURS

1. Use the spark plug wrench to remove the spark plug (turn counter-clockwise to remove)
2. Clean and adjust the spark plug gap to 0.6-0.7mm. Replace any damaged or visibly worn plug with a L7RTC or equivalent.
3. Install the spark plug finger-tight in the cylinder head, and then tighten it firmly with the spark plug wrench. If a torque wrench is available, torque the spark plug to 148-165 inch pounds.

EVERY 50 HOURS

More frequently if you note reduced performance

INSPECTION Inspect the entire machine and tubes for damage, including loose or missing components, and repair as necessary.

SPARK PLUG Replace the spark plug with a L7RTC, gapped to (0.6-0.7)mm.

FUEL FILTER Use a wire hook to extract the fuel filter from inside the fuel filter, and then remove and wash the filer element in clean fuel.

Before reinstalling the filter, inspect the condition of the fuel line. If damage or deterioration is noted, the vacuum should be removed from service until it can be inspected by a trained service technician.



CAUTION!

Never allow dirt or debris to enter the cylinder bore!

Before removing the spark plug. Thoroughly clean the the spark plug and cylinder head area!

Allow the engine to cool before servicing the spark plug!

Cylinder tightening or loosening the spark plug while the engine is hot!

Incorrect spark plug installation can result in serious engine damage!

STORAGE(30 days or longer)

- CLEANING** Thoroughly clean the machine exterior.
- INSPECTION** Inspect the entire machine and tubes for damage, including loose or missing components, and repair as necessary.
- FUEL** Drain the fuel tank, and the clear the carburetor and lines by running the machine until it stops from lack of fuel.
- LUBRICATION** Remove the spark plug, and then pour approximately 1/4-oz of oil into the cylinder through the spark plug hole. Before reinstalling the spark plug, pull the recoil starter 2 to 3 times to distribute the oil over the cylinder walls.
- AIR CLEANER** Remove, clean, and reinstall the filter element as described under .

TROUBLESHOOTING

1. Troubles and remedies

	Problem	Cause	Remedy
The plug does not spark	Spark plug	1. Poles wet	Dry it
		2. Covered with carbon	Clean
		3. The insulation damaged	Replace
		4. Spark gap incorrect	Adjust 0.6~0.7mm
		5. The poles burned	Replace
	Magneto	1. The wrap of wire damage	Remedy or replace
		2. Insulation of coil bad	Replace
		3. The wire of coil broken	Replace
		4. The electronic firing unit defective	Replace
The plug works well	Compression ratio and fueling well	1. Too much fuel in cylinder	Drain
		2. Water or dirt in fuel	Replace
	Fueling well but compression ratio bad	1. Cylinder and piston ring wore or tore	Replace them
		2. The plug loose	Tighten it
	Carburetter not fueling	1. No fuel in tank	fuel
		2. Fileter gausse clogged	Clean
		3. The air hole of the tank clogged	Clean

2. Engine lacks power

Problem	Cause	Remedy
The compression ratio is fine	1. The filter plate clogged	Clean
	2. Air passed through the union	Tighten
	3. Air passes through the connection of carburetter	Tighten
	4. Engine overheat	Stop the engine and cool it avoid long-time heavy load and high speed
	5. Water in fuel	Refill with fresh fuel
	6. The carbon clogs muffler	Clean
Engine overheat	1. Mixed gas(fuel)thin	Adjust the carburetter.
	2. Cylinder covered with carbon	Clean
	3. Oil bad	Use 2-T engine oil and adjust the mix ration
	4. Engine not correctly running (no nozzle)	Correctly assembly the machine
Engine noisy knocking	1. Fuel bad	Replace
	2. Carbon in cylinder	Clean
	3. The running parts wore and tore.	Check and replace

3. Engine stops while running

Problem	Cause	Remedy
Engine stops suddenly	1. The lead wire of plug loose	Replace firmly
	2. Piston bitten	Change to remedy
	3. Plug covered with carbon	Clean plug
	4. Fuel used up	Fill the fuel tank
The engine stops slowly	1. Carburetter clogged	Clean
	2. The air hole in the tank clogged	Clean
	3. Water in fuel	Refill with fresh fuel

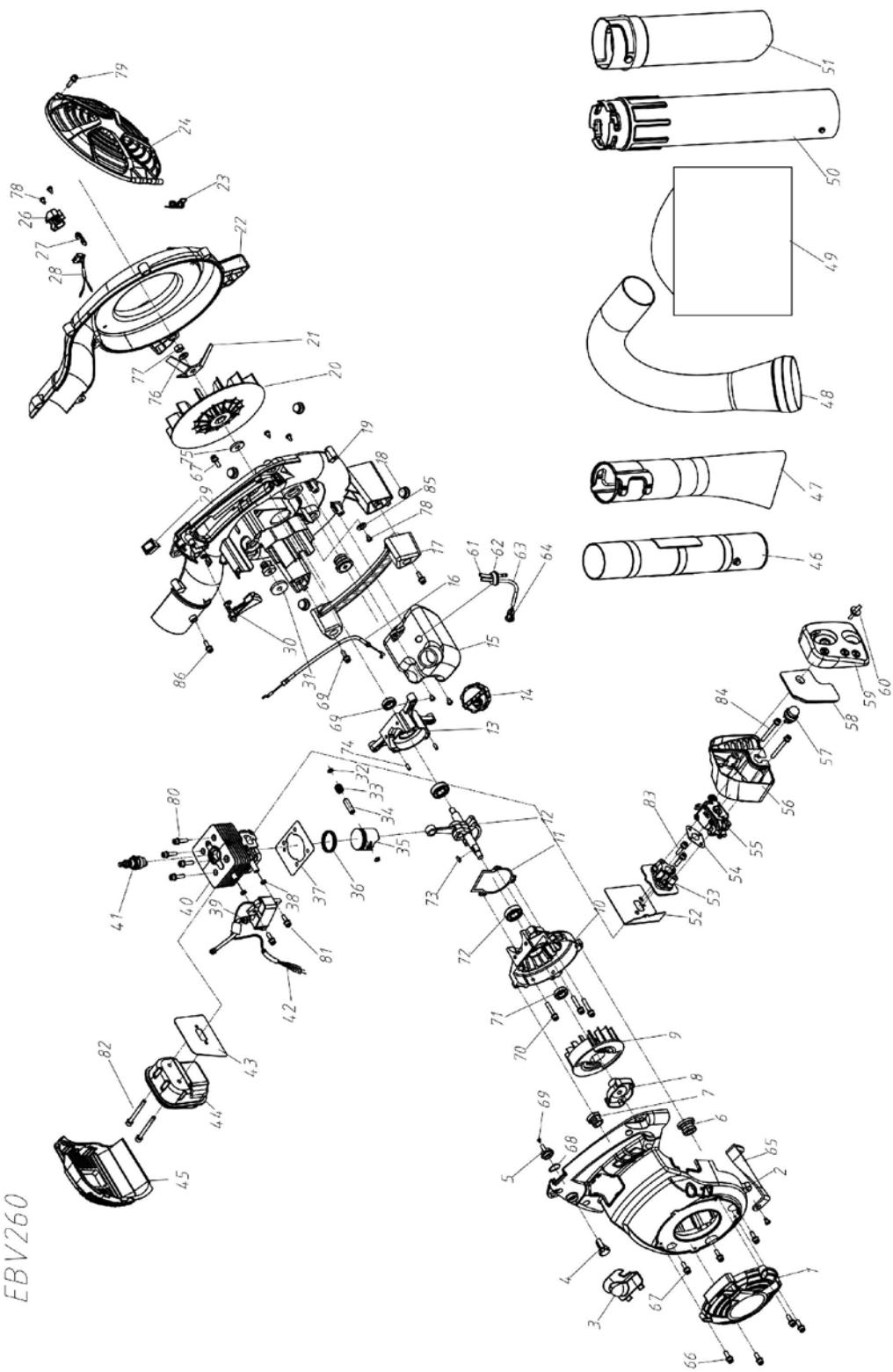
4. Dusting

Problem	Cause	Remedy
Discharge no dust or do intermittently	1. Dust gate no open	Adjust the pulling rod of dust gate
	2. Tank lid loose	Tighten
	3. The entrance of fan clogged	Clean
	4. Dust or granules mix with foreign body	Clean
	5. Dust or granules lamps	Break the lamp
	6. Dust or granules wet	Dry it
	7. Granules too big	Replace
Dust leakage	1. The sealing washer of the tank damaged	Remedy
	2. Spanner of chemical tank loose	Tighten it



EB260

NO.	Part No.	Part Name	Qty	Part No.	Part Name	Qty	Part No.	Part Name	Qty	Part No.	Part Name	Qty
24	5261 1191 0	NET COVER	1	48	9104 0510 2	Screw M5x10	1	72	9413 0830 2	WASHER φ8xφ20x3	1	
23	9761 6001 0	BEARING 6001/195	47	5261 2122 0	PIPE	1	71	9801 2220 7	SEAL 12x22x7	2		
22	5261 1121 0	VOLUTE CASE	1	46	5261 2121 0	PIPE	1	70	9104 0535 0	SCREW M5x35	3	
21	9511 3511 0	KEY 3x5x11	1	45	5261 1661 0	MUFFLER COVER	1	69	9211 4814 0	SCREW ST4.8x16	17	
20	5261 1141 0	IMPELLER	1	44	0273 1610 0	MUFFLER	1	68	9415 1521 1	Washer φ14.5xφ20.5	1	
19	5261 1111 0	VOLUTE CASE	1	43	0273 1671 0	GASKET	1	67	9104 0520 0	SCREW M5x20	6	
18	5261 1182 0	CUSHION RUBBER COMP	1	42	0273 4220 0	STOP CORD COMP	1	66	9104 0516 0	SCREW M5x16	4	
17	5261 1181 0	HANDLE	1	41	0331 4122 0	PLUG17T	1	65	5261 1132 0	CHAIN	1	
16	5261 3161 0	CABLE COMP	1	40	0271 1211 0	CYLINDER	1	64	0432 5421 0	FILTER	1	
15	0273 5411 0	FUEL TANK	1	39	0273 4120 0	MAGNETO STATOR	1	63	0273 5424 0	FUEL TUBE	1	
14	0432 5450 0	FUEL TANK LID ASSY	1	38	0311 4191 0	HEAT INSULATION PAD	1	62	0431 5423 0	PLUG	1	
13	0273 3113 0	REAR HALF CRANK CASE	1	37	0271 1271 0	CYLINDER WASHER	1	61	0273 5425 0	TUBE	1	
12	0273 2200 0	CRANE SHAFT COMP	1	36	0261 2120 0	PISTON RING	1	60	0261 5352 0	SCREW	1	
11	0271 3117 0	CRANK CASE GASKET	1	35	0271 2111 0	PISTON	1	59	0273 5351 0	CLEANER OUTSIDE COVER	1	
10	0271 3111 0	FRONT HALF CRANK CASE	1	34	0261 2131 0	PISTON PIN	1	58	0273 5321 0	CLEANER ELEMENT	1	
9	0272 4111 0	MARSHAL TO ROTOR	1	33	0710 8111 2	NEEDLE BEARING	1	57	0273 5160 0	LUBRICATOR	1	
8	0272 6160 0	STARTER PULLEY	1	32	0261 2139 0	PISTON PIN CIRCLE	1	56	0273 5311 0	CLEANER INSIDE COVER	1	
7	5261 1113 0	CUSHION RUBBER COMP	2	31	5261 4121 0	WASHER	1	55	0273 5100 0	CARBURETOR	1	
6	5261 1112 0	CUSHION RUBBER COMP	4	30	5261 3141 0	HANDGRIP	1	54	0311 5171 0	CARBURETOR GASKET	1	
5	5261 3143 0	THROTTLE CONTROL GEARS	1	29	5261 3151 0	STOP SWITCH	1	53	0311 1411 0	ADMITTING PIPE	1	77
4	5261 3142 0	THROTTLE LOCK TRIGGER	1	28	9104 0516 0	Screw M4x16	2	52	0272 1471 0	ADMITTING PIPE WASHER	1	76
3	0273 6513 0	PLUG TAP	1	27	9104 0555 0	Screw M5x55	2	51	9521 0310 0	PIN 3x10	2	75
2	0273 6511 0	PROTECTION	1	26	9104 0525 0	Screw M5x25	2	50	9104 0560 0	Screw M5x60	2	74
1	0273 6100 0	STARTER	1	25	<u>3261 0012 0</u>	<u>ANNO</u>	1	49	9411 0512 2	<u>φ5xφ12.1</u>	1	73



NO.	Part No.	Part Name	Qty	Part No.	Part Name	Qty	Part No.	Part Name	Qty	Part No.	Part Name	Qty
24	526111910	NET COVER	1	48	526121130	COLLECT PLUG	1	72	976160010	BEARING 6001/P5	2	
23	526111920	SPRING	1	47	526121220	PIPE	1	71	980122207	STEAL 12x2x7	2	
22	526111210	VOLUTE CASE	1	46	526121210	PIPE	1	70	910405350	SCREW M5x35	3	
21	526111510	COMMUNIC BOARD	1	45	526116610	MUFFLER COVER	1	69	921148140	SCREW ST4.8x74	17	
20	526111410	INPELLER	1	44	027316100	MUFFLER	1	68	941515211	Washer φ14.5xφ20.5	1	
19	526111110	VOLUTE CASE	1	43	027316710	GASKET	1	67	910405200	SCREW M5x20	6	
18	526111820	CUSHION RUBBER COMP	1	42	027342200	STOP CARD COMP	1	66	910405150	SCREW M5x16	4	
17	526111810	HANDLE	1	41	033141220	PLUG 177	1	65	526111320	CHAIN	1	
16	526131610	CABLE COMP	1	40	027112110	CRIMPER	1	64	043254210	FILTER	1	
15	027354110	FUEL TANK	1	39	027341200	MAGNETO STATOR	1	63	027354240	FUEL TUBE	1	
14	043254500	FUEL TANK ASSY	1	38	031141910	HEAT INSULATION PAD	1	62	043154230	PLUG	1	SCREW M5x10
13	027331130	REAR HALF CRANK CASE	1	37	027112710	CRIMPER WASHER	1	61	027354250	TUBE	1	WASHER φ5xφ12.1
12	027322000	CRANK SHAFT COMP	1	36	026121200	PISTON RING	1	60	026153520	SCREW	1	SCREW M5x60
11	027131170	CRANK CASE GASKET	1	35	027121110	PISTON	1	59	027353510	CLEANER OUTSIDE COVER	1	SCREW M5x25
10	027131110	FRONT HALF CRANK CASE	1	34	026121310	PISTON PIN	1	58	027353210	CLEANER ELEMENT	1	SCREW M5x55
9	027241110	MAGNETO ROTOR	1	33	971081112	NEEDLE BEARING	1	57	027351600	LUBRICATOR	1	SCREW M4x16
8	027261600	STARTER PULLEY	1	32	026121390	PISTON PIN CIRCLE	1	56	027353110	CLEANER INSIDE COVER	1	SCREW M5x20
7	526111130	CUSHION RUBBER COMP	2	31	526141210	WASHER	1	55	027351000	CARBURETOR	1	SCREW M5x14
6	526111120	CUSHION RUBBER COMP	4	30	526131410	HARDGELP	1	54	031151710	CARBURETOR GASKET	1	SCREW M3.5x10
5	526131430	THROTTLE CONTROL GEARS	1	29	526131510	STOP SWITCH	1	53	031141110	ADMITTING PIPE	1	NUT M8x1.25 L
4	526131420	THROTTLE LOCK TRIGGER	1	28	526131520	MICRO SWITCH	1	52	027214710	ADMITTING PIPE WASHER	1	WASHER φ8xφ30x2
3	027365130	PLUG CAP	1	27	526131540	MICRO SWITCH PUSH ROD	1	51	526121120	PIPE	1	WASHER φ8xφ30x3
2	027365110	PROTECTION	1	26	526131530	SWITCH SEAT	1	50	526121110	PIPE	1	SCREW M3x10
1	027361000	STARTER	1	25	326100120	ARM	1	49	526121140	COLLECTOR BAG	1	KEY 3x5x11