

COBRA

MODEL: WV580SPL (DY580-159S-00)

COBRA WHEELED VACUUM OWNER'S MANUAL



WARNING!

When using the machine the safety rules must be followed. For your own safety and bystanders please read these instructions before operating the machine. Please keep the instructions safe for later use.

Cobra Garden Machinery

Henton and Chattell Ltd., London Road, Nottingham NG2 3HW UK

www.cobragarden.co.uk

⚠ WARNING :

For your own safety please read this manual before attempting to operate your new unit. Failure to follow instructions can result in serious personal injury. Spend a few moments to familiarize yourself with your new purchase before each use. Keep this manual in a safe place, so that the information is available at all times. If you give the equipment to any other person, hand over these operating instructions and safety regulations as well.

Intended use

The equipment may only be used for the tasks it is designed to handle. Any other use is deemed to be a case of misuse. The user/operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this.

The petrol garden wheeled vacuum is intended for private use i.e. for use in home and gardening environments. Private use of the machinery refers an annual operating time generally not exceeding that of 50 hours, during which time the machine is primarily used to maintain small-scale, residential lawns and home/hobby gardens. Public facilities, sporting halls, and agricultural/forestry applications are excluded.


Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the machine is used in commercial, trade or industrial or for equivalent purposes. The operating instructions as supplied by the manufacturer must be kept and referred to in order to ensure that the Cobra product is properly used and maintained. The instructions contain valuable information on operating, maintenance and servicing conditions.

Important! The garden wheeled vacuum is designed to be used to collect leaves, litter and similar small garden debris. It is intended to collect stone, soil, pebbles, wood debris and other larger items. String, ropes and vine type material may entangle and damage the vacuum. Caution should be applied before attempting to vacuum items that may damage the machinery.

The machine is not intended to tow or pull anything behind it.



13. EC-DECLARATION OF CONFORMITY

EC Declaration of Conformity	
We herewith declare,	Cobra Garden Machinery, Henton & Chattell Ltd, London Road, Nottingham NG2 3HW United Kingdom
That the following machine complies with the appropriate basic safety and health requirements of the EC Directive based on its design and type, as brought into circulation by us.	
In case of alteration of the machine, not agreed upon by us, this declaration will lose its validity	
Machine Description:	Petrol powered wheeled garden vacuum and blower
Machine Type:	WV580SPL (DY580-159S-00)
Displacement	159cm³
Max. operating width	580mm
Measured sound power level:	87 dB (A)
Guaranteed sound power level:	105 dB(A) Notified Body for EC Directive 2000/14/EC:0036Intertek Testing Services Zhejiang Ltd., Hangzhou Branch 16 No. 1 Ave., Xiasha Economic Development District, Hangzhou 310018, China
Applicable EC Directives:	2006/42/EC 2014/30/EU 2011/65/EU 2000/14/EC
Applicable Harmonized Standards:	EN 15503:2009+A2:2015, EN ISO 12100:2010, EN ISO 3744:1995, ISO 11904:1991, EN ISO 14982:2009
Authorized Signature/Date/ Place:	 Peter J. Chaloner 16 th August 2024
Title of Signatory:	Managing Director
Name and address of the person authorized to compile the technical file	Cobra Garden Machinery, Henton & Chattell Ltd, London Road, Nottingham NG2 3HW United Kingdom

11. WARRANTY

This product is warranted in accordance with legal regulations for a 24 month period effective from the date of purchase by the first user.

This product will not be covered if used in a commercial application.

This warranty covers all material or production failures, it does not include: defects from normal wear and tear, parts such as, bearings, brushes, cables, air cleaning elements, brake pad, clutch disc, tyre, wheel, recoil starter rope, belts, cutter blades, plugs, lubricant oils and grease or accessories. Damage or defects resulting from abuse, accidents or alterations, natural fading of painted or plated surfaces, sheet peeling and other natural deterioration.

Any damage that occurs from the use of non-genuine Cobra parts will not be covered.

We reserve the right to reject any claim where the purchase cannot be verified or when it is clear that the product was not maintained properly. (Clean ventilation slots, carbon brushes and serviced regularly)

Expenses incidental to the warranty claim that are not covered;

-Compensation for loss of time, commercial loss or rental costs of substitute product.

-Costs incurred for transportation to and from the dealership.

Any damage that occurs from the following will not be covered; exposure of the product to smoke and soot, chemical agents, bird droppings or other animal waste, seawater, sea breeze, salt or other environmental phenomena.

Any damage resulting from operating methods other than those indicated in the owner's manual will not be covered.

Your purchase receipt must be kept as proof for date of purchase. Your un-dismantled product must be returned to your dealer in an acceptably clean state, accompanied by your proof of purchase.

Please Register Your Cobra

If your dealer did not collect registration information from you, please take a few minutes and register your purchase with Cobra.

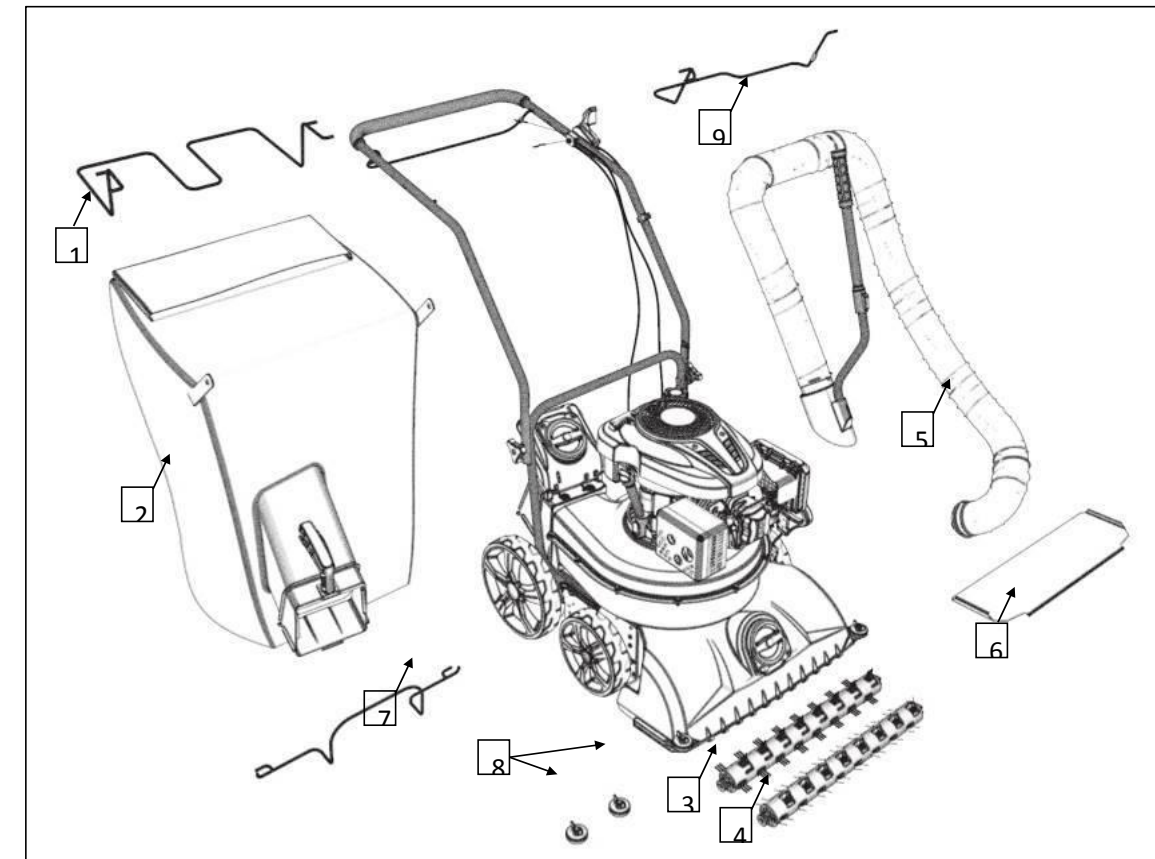
You can register by completing and mailing the registration card that should be in the box or by going online to: www.cobragarden.co.uk and clicking on Product Registration.

Before using the Cobra product, all operators must read this manual.

12. ENVIRONMENT

Environmentally disposal: Do not put it in the domestic waste but dispose of it in an environmentally safe way. Refer to local council recycling facilities for further details or contact your local dealer. Special care is required with the battery, ensure this is recycled correctly.

1. PARTS & ACCESSORY DESCRIPTION



1. Collection bag fixing bracket—Used to fixed collection bags
2. Collection bag—Collection bag for leaves and similar garden debris
3. Cleaning disk—Used to clean the ground (Optional)
4. Comb brush—Used to brush the lawn (Optional)
5. Auxiliary hose, supplied with hose kit — for removing leaves/debris from borders, etc (Optional)
6. Suction port baffle, supplied with hose kit — fit when using the hose (Optional)
7. Hose bracket—Used to suspend hose and hang the collection bag
8. Side guide wheels
9. Power drive lever

TABLE OF CONTENTS

1. Parts and Accessory Descriptions
2. Symbols Marked on the Product
3. General Safety Rules
4. Control and Lever Labels
5. Assembly Instructions
6. Specifications Table
7. Operation – Starting and Stopping Instructions
8. Machinery Cleaning and Storage
9. Machinery Maintenance
10. Troubleshooting Guide
11. Warranty
12. Environment
13. EC-Declaration of Conformity

⚠ WARNING :

For your own safety please read this manual before attempting to operate your new unit. Failure to follow instructions can result in serious personal injury. Spend a few moments to familiarize yourself with your product before each use.

2. SYMBOLS MARKED ON THE PRODUCT

Fig.1



- A.1 Read the operating manual.
- A.2 Keep the bystanders away.
- A.3 Do not touch the rotating parts while operating.
- A.4 Toxic gases; do not operate inside the house.
- A.5 Please wear protective gloves; pay more attention to your hands and feet to avoid injury.
- A.6 When repairing, please pick up the spark plug and repair it according to the operation manual.
- A.7 Caution: The engine is hot.
- A.8 Wear glasses and earplugs to protect the operator.



Figure B: KEEP HANDS AND FEET AWAY.

Warning: Keep the safety signs clear and visible on the equipment. Replace the safety signs if they are missing or illegible.

3. GENERAL SAFETY RULES

⚠ WARNING: When using petrol tools, basic safety precautions, including the following, should always be followed to reduce the risk of serious personal injury and/or damage to the unit. Read all these instructions before operating this product and retain these instructions for future reference.

⚠ WARNING: This machine 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.

Problem	Possible Cause	Corrective Action
Abnormal machine vibration	Loose impeller bolt	Tighten the impeller bolts
	Impeller is out of balance	Balance or replace the impeller
Abnormal noise occurs when the machine starts up	Boot disk loose	Fix the boot disk
	There is debris in the suction port	Remove debris from the suction port
	Foreign matter is attached to the connecting shaft below the impeller	Clear foreign objects on the connecting shaft
Engine will not turn off	The impeller is wrapped by foreign matter	Remove foreign matter from the impeller
	Impeller bolt loose	Tighten the impeller bolts
	Impeller is out of balance	Balance or replace the impeller
	The flameout line has fallen off	Reinsert the flameout line
Unable to collect debris	Flameout switch contact is damaged	Contact service agent repair
	Igniter damage	Contact service agent repair
Machine is difficult to push	The suction port is blocked by debris	Remove debris from the suction vent
	Collecting bag vent hole is blocked by dust	Empty bag and knock dust from the bag fabric, or open vent window zipper
	Collection bag full	Empty the collection bag
Weak or no auxiliary hose suction	Foreign substance is wound on wheels	Clean up foreign objects on the wheels
	The ground is uneven	Adjust the height to the appropriate level
	The lawn is very lush	Adjust the height to the appropriate level
Auxiliary hose blowing function is invalid	Collection bag full	Empty collection bag
	The inside of the hose is blocked	Remove hose and clear any blockage
Auxiliary hose won't connect or disconnect	The suction port baffle is not inserted in place	Insert the bezel into place
	The inside of the hose or nozzle are blocked	Remove hose and clear any blockage
	Lugs on hose connector are not lined up with the recess on hose port	Twist hose to line up the lugs on the hose to recesses in hose port. Then pull away from machine to release.
	Hose twists on hose connector	Tighten the screw on the hose clamp clockwise to secure the hose. Be careful not to over tighten. Over tightening can damage the hose port.

10. TROUBLESHOOTING GUIDE

Problem	Possible Cause	Corrective Action
Engine cannot start	Throttle lever is not in the correct position	Move the throttle choke to the correct position
	There is no fuel in the fuel tank	Add the correct amount of petrol according to the fuel volume provided
	Air filter components are dirty	Clean air filter components
	Spark plug loose	Screw the spark plug to 25-30Nm
	The spark plug wire is loose or disconnected from the plug	Install spark plug wire on spark plug
	Spark plug gap is incorrect	Set the gap between the electrodes to 0.7 to 0.8 mm
	Spark plug is defective	Install a new spark plug
	Carburetor flooded with fuel	Remove the air filter element and pull the starter rope continuously until the carburetor cleans itself and install the air filter element.
	Ignition module failure	Contact service agent repair
	Switch rocker arm is not closed	Close the switch rocker arm as shown in Fig15-1, 2
	The throttle handle is not pulled to the starting position	Move the throttle handle to the starting position, as shown in Figure 15-1, 2 .
The engine is difficult to start or has lost power	There are impurities in the fuel	Reclean the tank and use new fuel
	The fuel filter is blocked by dirt	Clean the filter
	The air intake hole on the fuel tank cap is blocked	Clean or replace the fuel tank cap
	Air filter components are dirty	Clean air filter components
Unstable engine speed	Spark plug is defective	Install a new spark plug
	Spark plug gap is incorrect	Set the gap between the electrodes to 0.7 to 0.8 mm
	Insufficient fuel supply	Check for carburetor and fuel filter for impurities. May require a fuel systems clean.
	Air filter components are dirty	Clean air purifier components
Poor engine idling	Air filter components are dirty	Clean air purifier components
	Air slots in the engine shroud are blocked	Clear debris from the slot
	The fins and air passages under the engine blower housing are blocked.	Remove debris from the heat sink and air passage
The engine has no high speed	The gap between the spark plug electrodes is too close	Set the gap between the electrodes to 0.7 to 0.8 mm
Engine overheating	Cooling airflow is limited	Check the fan for damage or blockage by debris, clear any debris in the slots in the air passage
	Spark plug is incorrect	Install a new spark plug

Training

- Read the instructions carefully. Be familiar with the controls and the proper use of the equipment.
- Never allow children or people unfamiliar with these instructions to use the machinery. Local regulations can restrict the age of the operator.
- Never use while people, especially children, or pets are nearby.
- Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.
- The operators must receive proper training in the use, adjustment and operation of the machine, including prohibited operations.

Preparation

- While operating, always wear substantial footwear and long trousers. Do not operate the equipment when barefoot or wearing open sandals.
- Thoroughly inspect the area where the equipment is to be used and remove all objects, such as stones, toys, sticks and wires, which can be thrown by the machine;
- **WARNING-** Petrol is highly flammable.
 - store fuel in containers specifically designed for this purpose.
 - refuel outdoors only and do not smoke while refueling.
 - add fuel before starting the engine. Never remove the cap of the fuel tank or add petrol while the engine is running or when the engine is hot.
 - if petrol is spilled, do not attempt to start the engine but move the machine away from the area of spillage and avoid creating any source of ignition until petrol vapors have dissipated.
 - replace all fuel tank and container caps securely.
- Replace faulty silencers.
- Before using, always visually inspect to see that the impellor, blade bolts and cutter assembly are not worn or damaged. Replace worn or damaged blades and bolts in sets to preserve balance.


Operation


- Do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect.
- **Warning!** Do not use the machinery when there is a risk for lighting.
- It is recommended to limit the duration of operation, in order to minimize the risks from noise and vibration.
- Be careful when using the machinery on slopes and near drop-offs, ditches or embankments.
- Operate only in daylight or in good artificial light.
- Avoid operating the equipment in wet conditions, where feasible.
- Always be sure of your footing on slopes.
- Walk, never run.
- Operate across the face of slopes, never up and down. On only suitable inclines.
- Exercise extreme caution when changing direction on slopes.
- Use extreme caution when reversing or pulling the machinery towards you.
- Never operate the machinery with defective guards, or without safety devices, for example deflectors and/or catchers, in place.
- **Caution:** The machinery should not be operated without either the entire catcher in place.
- Do not change the engine governor settings or over speed the engine.
- Do not alter or tamper with any sealed adjustment for the engine speed control.
- The machinery's safety systems or features shall not be tampered with or disabled.

- Disengage the impellor and drive clutches before starting the engine.
- Start the engine carefully according to instructions and with feet well away from the impellor
- Do not tilt the machinery when starting the engine.
- Do not start the engine when standing in front of the discharge chute.
- Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times;
- Never pick up or carry machinery while the engine is running.
- Stop the engine and disconnect the spark plug wire, make sure that all moving parts have come to a complete stop and, where a key is fitted remove the key:
 - before clearing blockages or unclogging chute.
 - before checking, cleaning or working on the machinery.
 - If the machinery increases vibration or noise abruptly, inspect the machinery for damage and make repairs before restarting and operating.
- Stop the engine and disconnect the spark plug wire, make sure that all moving parts have come to a complete stop:
 - whenever you leave the machinery.
 - before refueling.
- Reduce the throttle setting during engine shut down and, if the engine is provided with a shut-off valve, turn the fuel off at the end of operating.

Maintenance and storage

- Keep all nuts, bolts and screws tight to be sure the equipment are in safe working condition.
- Never store the equipment with petrol in the tank inside a building where fumes can reach an open flame or spark.
- Allow the engine to cool before storing in any enclosure. Clean and maintain the machinery before storage.
- To reduce the fire hazard; keep the engine, silencer, petrol storage area free of grass, leaves, or excessive grease.
- Check the catcher frequently for wear or deterioration.
- Replace worn or damaged parts for safety.
- If the fuel tank has to be drained, this should be done outdoors.
- Improper maintenance, use of non-conforming replacement components, or the removal or modification of safety components can damage the machinery and injure the operators seriously.
- Only use the recommended spare parts by the manufacturer. The use of non-genuine parts can damage the machine and injure the operators. Keep the machinery in good working condition.
- Check all safety features operate correctly before commencing work. Repair any faults before using.

 **Warning:** Do not touch rotating parts.

 **Warning:** Refuel in a well ventilated area with the engine stopped.

MACHINE MAINTENANCE SCHEDULE

Use the schedule below as a guide, but increase maintenance where necessary. In dusty conditions clean the machine air fins and air filter more frequently to prevent damage to the engine.

Cycle		Before each use	After each use	Every 10 hours	Every 25 hours Or every quarter	Before storage	Remarks	Date
Machine	Check parts	•				•		
	Cleaning collection bag	•	•			•		
	Cleaning machine		•			•		
	Check/replace belt				•Check		Replace according to the degree of damage	
	Clean air duct	•	•			•		
	Check / clean / replace the impeller	•Clean	•Clean			•Clean	Replace according to the degree of damage	
	Check/replace pulley				•Check		Replace according to the degree of damage	
Engine								
	Check the oil	•				•		
	Check fuel					•		
	Change the oil (viscosity 10w-30)				•		Increase maintenance frequency according to usage environment	
	Cleaning air filter			•			Increase maintenance frequency according to usage environment	
	Check/replace spark plug				•			
	Replace the air filter				•		According to the cleanliness of the filter	
	Check silencer				•		Increase maintenance frequency according to usage environment	

Air filter maintenance

Check the air filter for dirt before and after each use. If it is too dirty, it will cause the engine to start hard, black smoke, and no power. If the filter element is paper, remove the filter element and remove the dust attached to it; if the filter element is made of sponge, after cleaning with petrol, apply some lubricating oil on the filter element to keep the filter element moist, which is more conducive to dust absorption. However, the other layer surrounded by the sponge cannot be washed with water. After washing, it will cause the pores to close and affect the engine work (the inner layer is made of paper). When cleaning, use an air gun to blow it clean.



Open the air filter side cover



Remove the air filter

Air Venting Fins maintenance

The main function of the engine fins are to eliminate noise and heat. When the machine is working, the debris/leaves may be covered on the heat sink, affecting its heat dissipation function. In severe cases, the engine may be damaged. Therefore, after each use of the machine, the debris on the heat sink should be carefully cleaned.

Fuel maintenance

Every time the fuel is exhausted, the machine should be allowed to rest for ten minutes before refuelling.

Use fresh unleaded petrol. Stored fuel older than 30 days may cause starting issues and damage the carburettor.

When refuelling, please add the same amount of fuel according to the fuel capacity. If you add too much fuel, it will block the vent hole on the fuel cap. The vents must be free to allow flow through to the engine.

4. CONTROL & LEVER LABELS

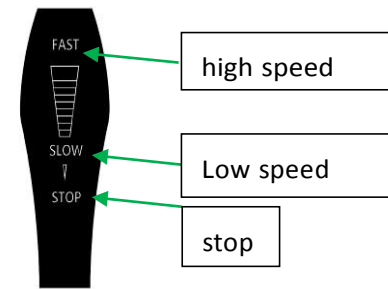
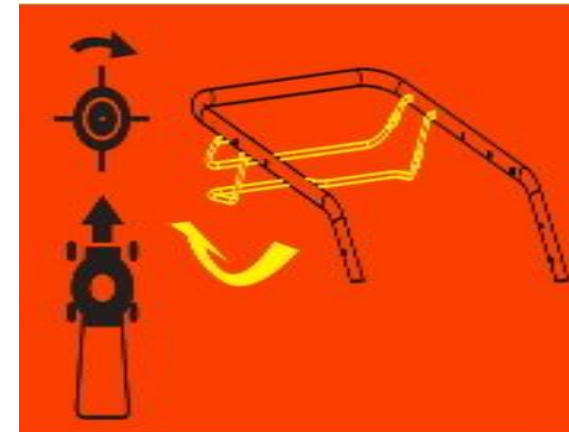
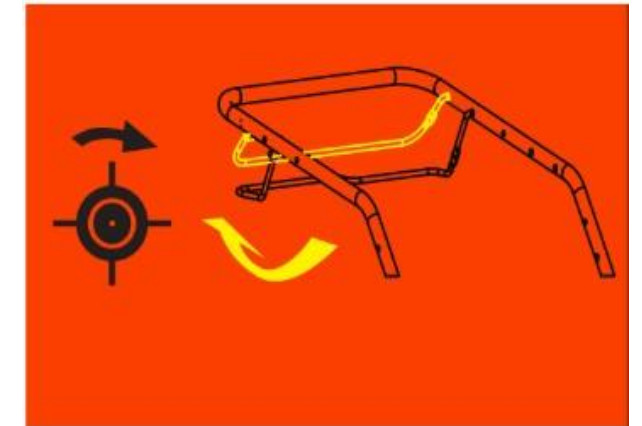


Fig.3
LC1P65FC throttle mark



Self-propelled drive label



Roller brush drive label



Product Serial and CE label

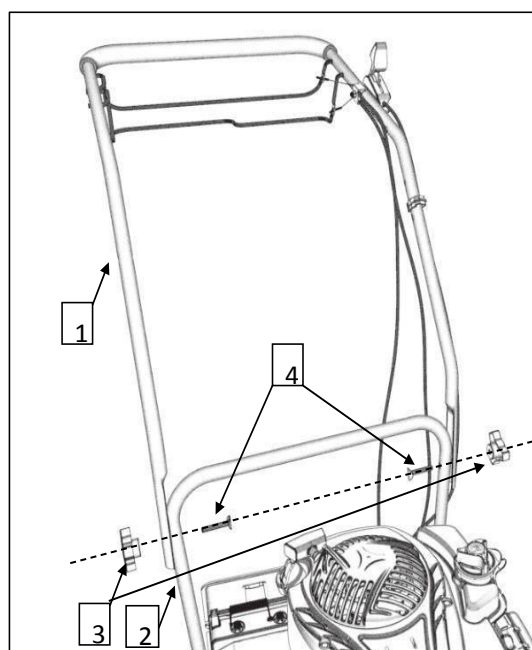
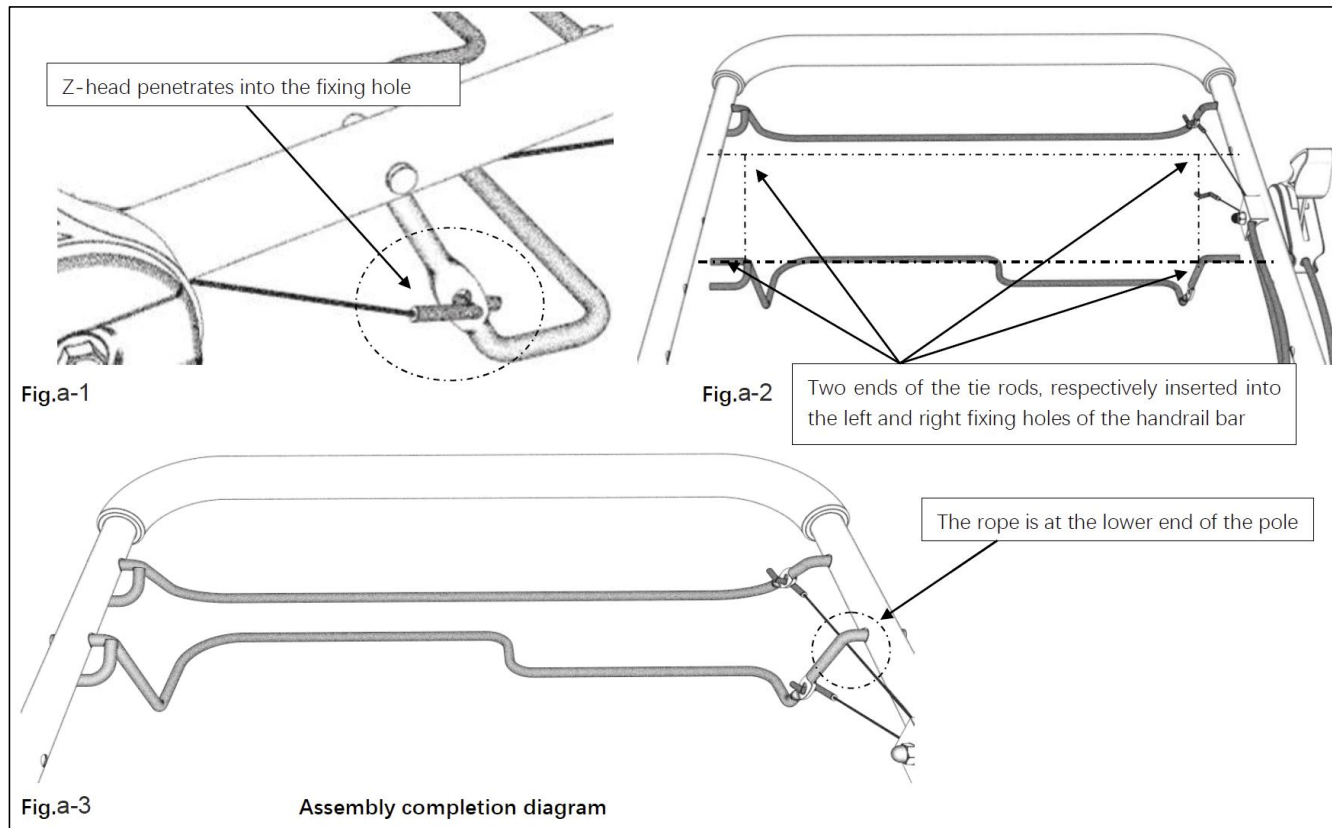
5. ASSEMBLY INSTRUCTIONS

Warning: This product is shipped without oil. Fill and check the correct level of oil before operating on every occasion.

Follow the instructions below before attempting to use your machinery.

SELF PROPELLED & ROLLER LEVERS FITTING

1. Insert the cable Z-head into the roller drive lever (fig. A-1)
2. Insert the roller drive lever into the left and right fixing holes of the upper handle (fig. a-2)
3. Insert the self-propelled cable into the self-propelled drive lever (fig. a-3)



UPPER HANDLE

- 1.Upper grab bar assembly
- 2.Lower grab bar assembly
- 3.M8 wheel nut
- 4.Semi-circular head square neck bolt M8X46

Assembly steps

1. Upper handle assembly - Please put the upper handle bar assembly (1) on the lower handle bar (2), guide according to the dotted line, and then insert the two bolts (4) through the mounting holes, and tighten the handwheel (3) firmly.

Fig.7-1 Assembly guide

9. MACHINE MAINTENANCE INSTRUCTIONS

The importance of proper maintenance

Proper maintenance is critical to safe, economical and trouble-free operation; it also helps reduce air pollution. Improper maintenance or failure to correct problems prior to operation can result in serious injury or death.

Always follow the maintenance recommendations and schedules in this instruction manual.

To help you properly maintain your machine, the following pages include maintenance plans, routine inspection procedures, and simple maintenance procedures using basic hand tools. Other maintenance tasks that are more difficult or require special tools are best handled by professionals, usually by our technical staff or other qualified mechanics.

The maintenance plan is for normal operating conditions. If you operate the machine under harsh conditions, such as continuous high load or high temperature operation, or in unusually humid temperatures, consult your service dealer for advice that is appropriate for your individual needs and use.

Maintenance, replacement or repair of the emission control devices and systems can be performed by any engine service facility or individual using components that meet the EPA standards in the "Certification".

Warning: Maintenance safety

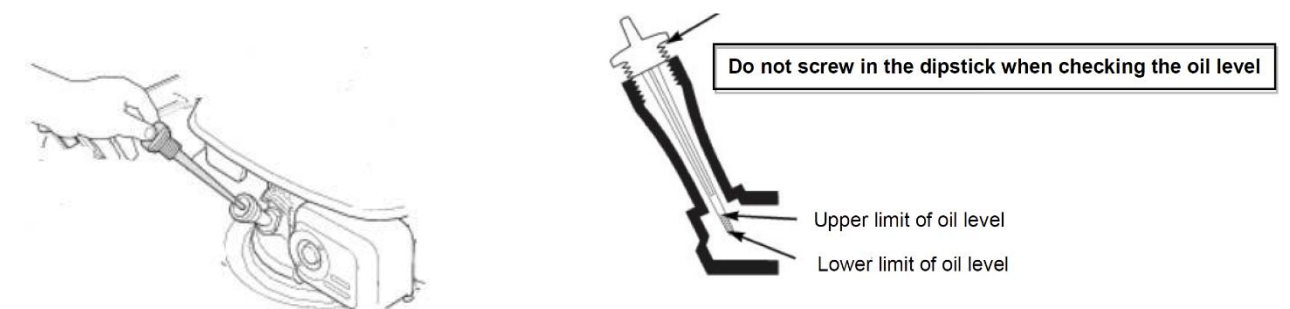
Always switch off the machinery engine and remove the spark plug wire before starting any maintenance work.

Routine maintenance

Oil maintenance

Before each use of the machine, check the oil level to see if it is between the upper and lower marks on the oil gauge. The new machine will take approximately 5 hours to achieve optimal performance. After the running-in period, please replace the oil. After this the oil should be replaced after 25 hours of use, and changed periodically according to the instructions.

The oil change should be carried out after the engine is hot. Do not carry out an oil change with the engine running. If too much oil is added you may see the following symptoms: black smoke, no power (excessive cylinder carbon deposit, small spark plug clearance). Engine overheating. If not enough oil is used you may experience the following: the engine is noisy, the piston ring accelerates wear and damage, and piston seizes or partially seizes, causing serious damage to the engine. When changing the oil, the machine must be tilted in the direction of the oil port, you can pour it out and replace it with new oil, but you can't tilt it to the other side. Otherwise, the oil will flow into the carburettor, causing damage to the carburettor.



8. MACHINE CLEANING & STORAGE

It is essential to clean and store the machine correctly to keeping your machine running trouble-free and in good condition.

Cleaning

1. Cleaning machine

Cleaning engine

Manually clean the engine and take care to prevent water from entering the air filter.

- DO NOT use a water hose. Using garden hoses or pressure washers can cause water to enter the air filter. The water in the air filter will soak the filter and enter the carburettor or engine and cause damage.
- Water on a hot engine can cause engine damage. If the engine is already running, let it cool for at least half an hour before cleaning.
- Make sure the fuel valve is in the closed position before cleaning the housing of the machine platform. Disconnect the spark plug cap. Turn the machine sideways so that the air filter is facing up. This will help prevent fuel leakage and hard start caused by carburettor overflow.
- Wear thick gloves to protect your hands from the blade.

Cleaning collection bag:

- Remove the collection bag from the machine and wash it with a garden hose or high pressure cleaning equipment. Allow the bag to dry completely before storing.
- After cleaning the machine, wipe all accessible surfaces.
- Start the machine outdoors and run it until it reaches the normal operating temperature to evaporate the water remaining on the engine.
- Stop the engine and allow it to cool.
- After the machine is clean and dry, cover the damaged paint surface and any other areas that may rust with a thin oil film. Lubricate the control cable with a silicone spray lubricant.

2. Storage

The following steps should be taken to prepare the machine for storage.

- Empty the fuel tank when storing for longer periods. Fuel degrades over time and cause starting issues.
- Empty the fuel tank with a suction pump.
- Wear thick gloves to protect your hands from the blade.

Cleaning collection bag storage:

- Remove the collection bag from the machine and wash it with a garden hose or high pressure cleaning equipment. Allow the bag to dry completely before storing.
- After cleaning the machine, wipe all accessible surfaces.
- Start the machine outdoors and run it until it reaches the normal operating temperature to evaporate the water remaining on the engine.
- Stop the engine and allow it to cool.
- After the machine is clean and dry, cover the damaged paint surface and any other areas that may rust with a thin oil film. Lubricate the control cable with a silicone spray lubricant.

⚠ Warning: Be careful! Do not discharge petrol in a closed room or near an open flame. Do not smoke! This can cause an explosion or fire.

- Start the engine and let it run until it runs out of all remaining petrol.
- Remove the spark plug. Inject 20ml of oil into the combustion chamber using a syringe. Pull the starter cord to evenly distribute the oil in the combustion chamber.
- Clean and lubricate the machine carefully.
- Gently apply the rust inhibitor to the impeller and exposed metal parts to avoid corrosion.
- Store the machine in a dry, clean, frost-proof place away from unauthorized personnel

Be careful! The engine must be completely cooled before storing the machine.

COLLECTION BAG FIXING BRACKET ASSEMBLY

Insert the left and right ends of the collection bag fixing bracket into the corresponding four holes on the upper handrail bar assembly.

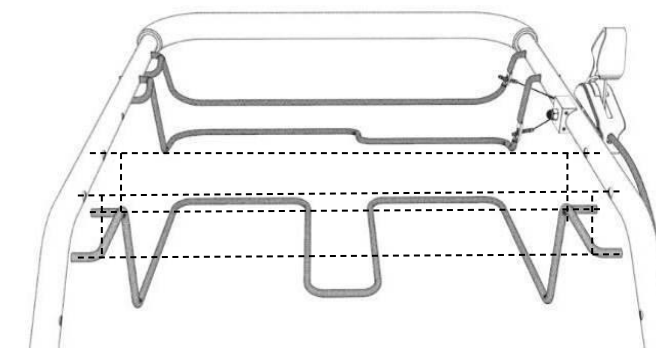


Fig8-1 Assembly

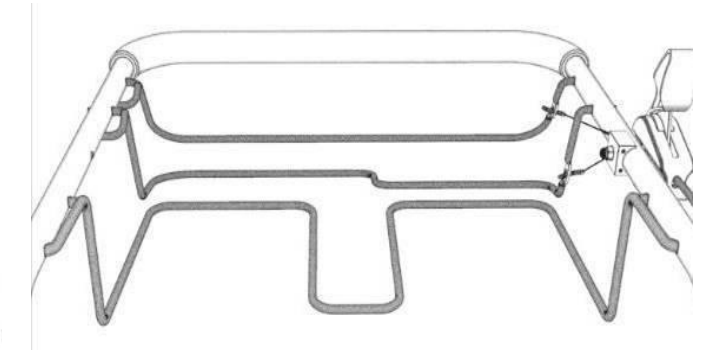


Fig8-2 Assembly completion

HOSE BRACKET ASSEMBLY

Insert the left and right ends of the hose bracket into the corresponding two holes on the upper grab bar assembly.

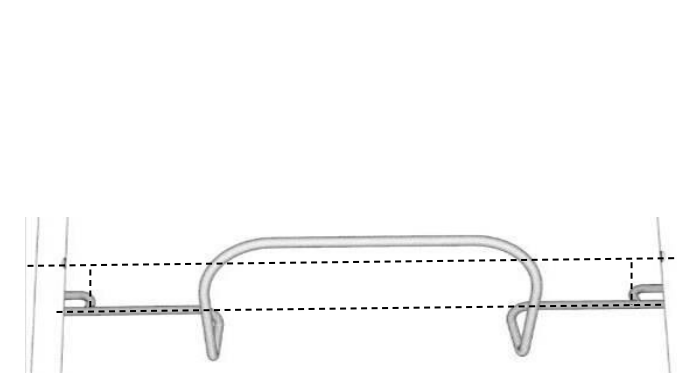


Fig.9-1 Assembly guide

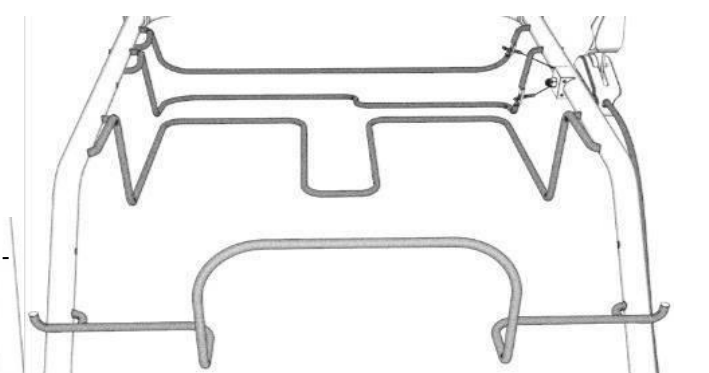


Fig.9-2 Assembly completion diagram

COLLECTION BAG ASSEMBLY

1. Place the upper layer of the collection bag into the collection bag fixing bracket.
2. The left and right clips are fastened to the bracket.
3. Hang the two left and right hanging plates on the ends of the hose fixing bracket.
4. Press the baffle and open the rear cover and insert the collection bag interface into the back cover

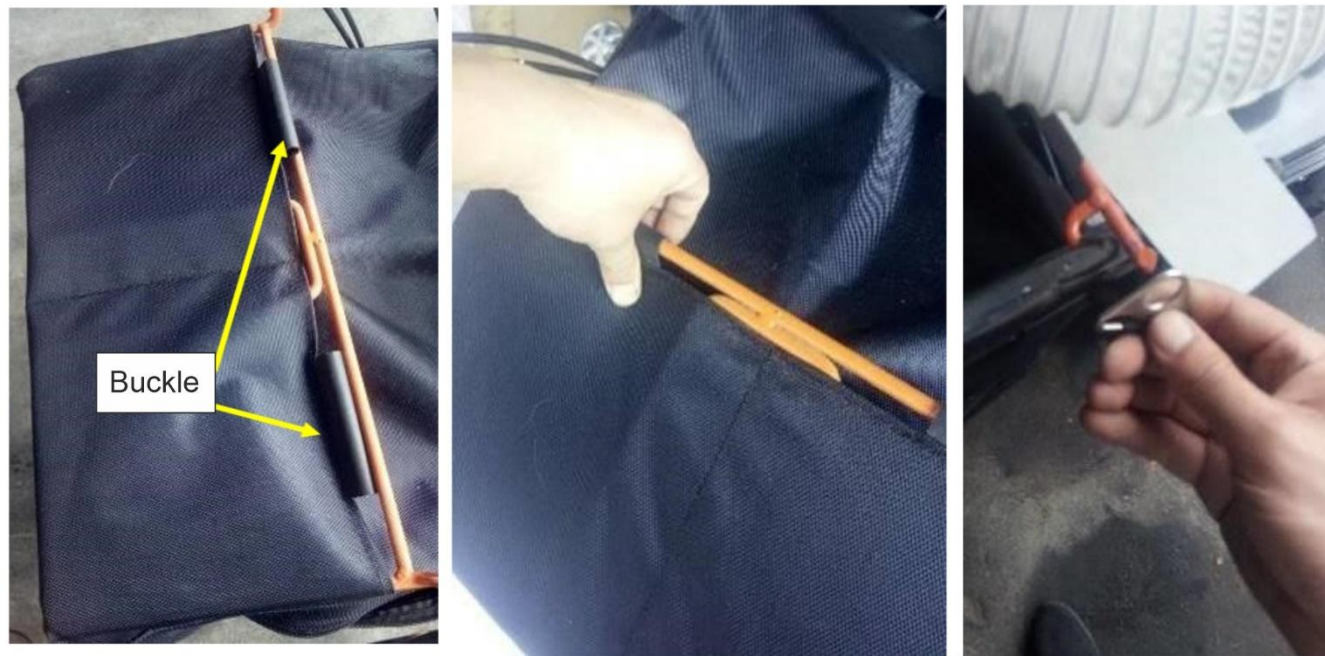


Fig.10-1 Nested into the bag

Fig.10-2 Fastening Card strip

Fig.10-3 Assembly hanging board

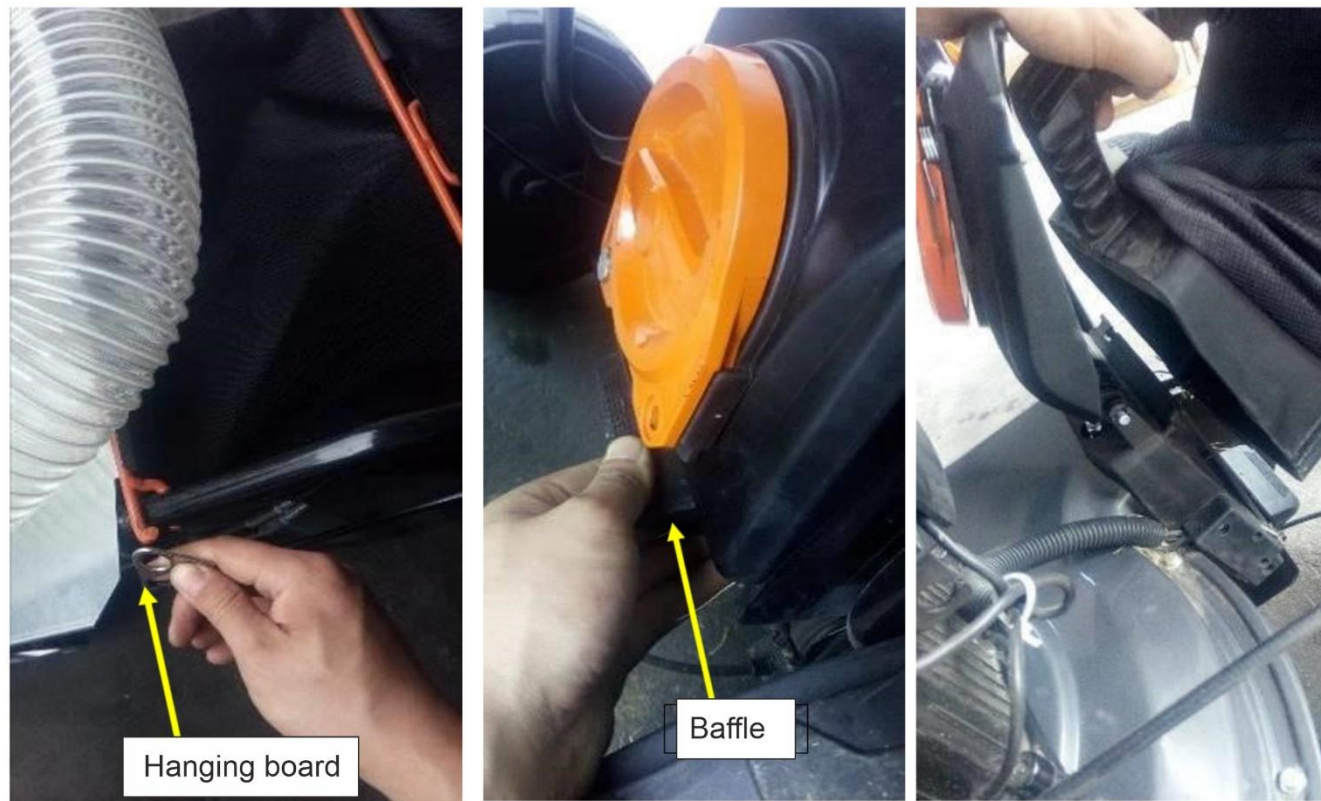


Fig.10.4 Hanging board

Fig.10.5 Press the baffle & open the rear cover

Fig.10.6 Insert the back cover bracket

COLLECTION BAG PRECAUTIONS

When encountering backflow, please check if the venting hole of the collecting bag is blocked; Whether the collection bag is full; Stop the machine and check if the collection bag chute is blocked.

1. When loading and unloading the collection bag, please make sure the machine has been turned off.
2. Before starting the machine, please check if the collection bag mouth is closed.
3. DO NOT open the collection bag mouth when the machine is working.
4. When cleaning the collection bag, do not tap the collection bag with a tool.

⚠ ENGINE STOP INSTRUCTION: before completing any maintenance stop the engine.

Stop the engine. Please understand the individual indications of the throttle marks in the "Throttle Control" Move the throttle handle to the stop position(fig 38).



ENGINE MAINTENANCE OVERVIEW

See the separate engine manual for engine maintenance instructions. Maintain engine oil as described in the engine manual that came with the unit.

Please read and follow the instructions carefully.

Under normal conditions, please maintain the air filter in accordance with the separate engine manual; clean it every few hours under extremely dusty conditions. When the engine is not performing well or after being invaded by water, the air filter and carburettor should normally be repaired or replaced.

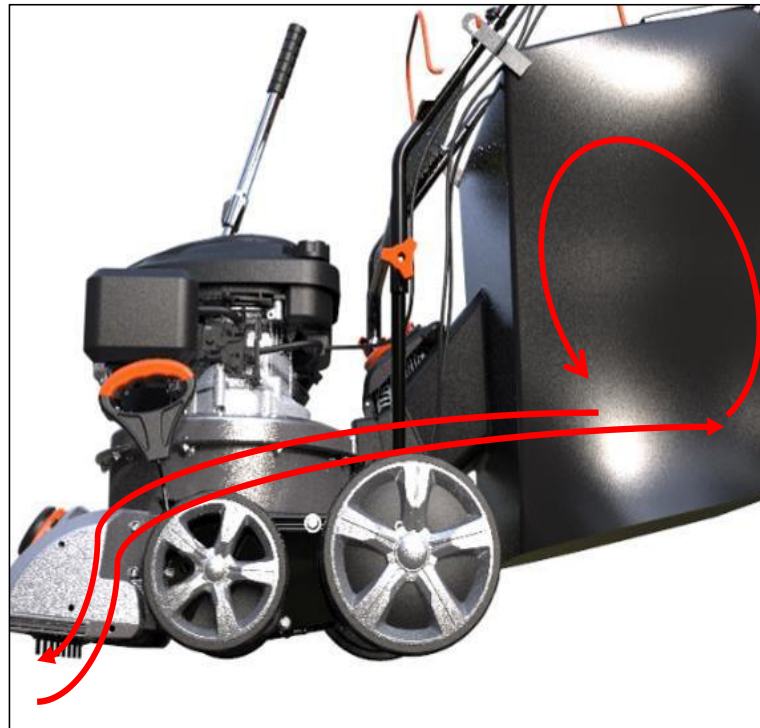
To service the air filter, refer to the engine manual supplied with the unit.

It is recommended to replace the spark plug or check the spark plug at the beginning of each machine season. Please refer to the engine manual for the correct plug type and clearance specifications.

Clean the engine regularly with a cloth or brush. Keep the cooling system (blower housing area) clean to allow proper air circulation, which is critical to engine performance and life. Always remove all grass, dirt and combustible waste from the muffler area.

INSTRUCTIONS FOR USING THE COLLECTION BAG

1. Ensure the grass bag is assembled correctly before use. See the previous instructions.
2. During the use of the machine, the dust vacuumed by the machine may cause the venting holes of the collecting bag to become clogged or cause the air to return when the collecting bag is full. At this time, please open the exhaust window zipper to make the collection bag ventilate; or check if the collection bag is full.



Side ventilation zipper to aid air flow.

Emptying

When the collection bag is full, stop the machine, remove the bag and empty the bag as appropriate.



bracket.

COLLECTION BAG ASSEMBLY

Assembly completed



GUIDE WHEELS – FRONT CORNER PROTECTORS

Fit the components of the guide wheels as shown below.

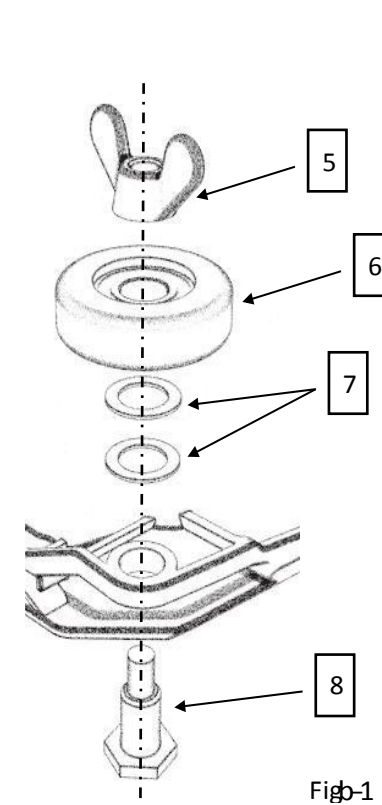


Fig-1

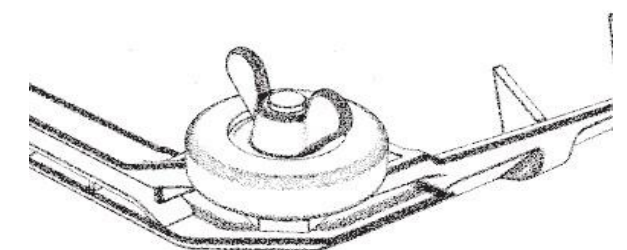


Fig.b-2 Right pulley installation completion diagram

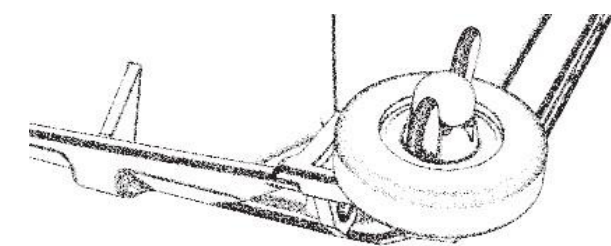


Fig.b-3 Left pulley installation completion diagram

ROLLER BRUSH ASSEMBLY (optional accessory)

⚠ Warning: Turn off the engine before completing maintenance. Wear protective gloves

Please Note: The quick release cover must be securely fitted. Check the attachment is securely fitted before using.

To fit the brush or scarifier attachment:

1. Carefully tip the machine backwards to provide access to the front of the vacuum.
2. Pull the quick release trigger and open the quick release cover.
3. Align the square end of the attachment cassette into the square housing of the vacuum.
4. Insert the square end of the attachment cassette into the quick release bracket bearing mounting position.
5. Pull the quick release trigger and fasten the upper cover securely.

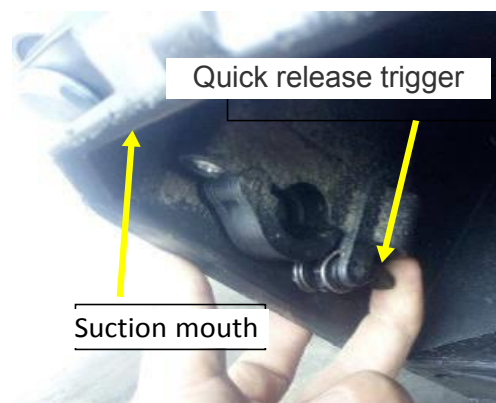


Fig.11-1 Pull the trigger

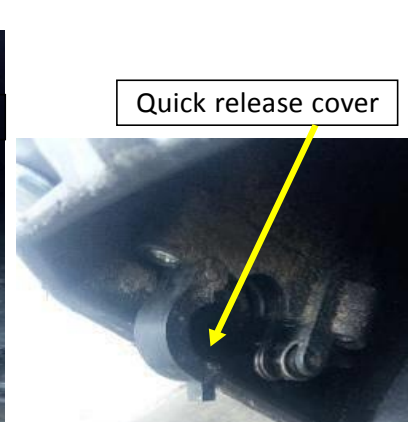


Fig.11-2 Open the top cover

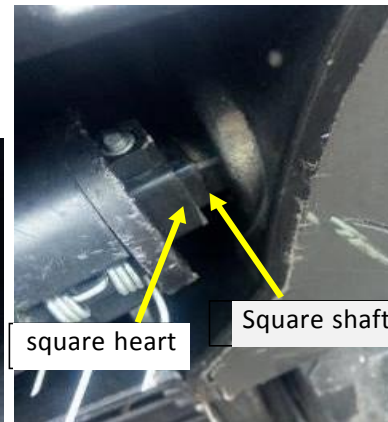


Fig.11-3 Insert square heart



Fig.11-4 Snap in bearing



Fig.11-5 Fitting the cover



Fig.11-6 Installation completion diagram

Auxiliary hose function— Blow function, continued



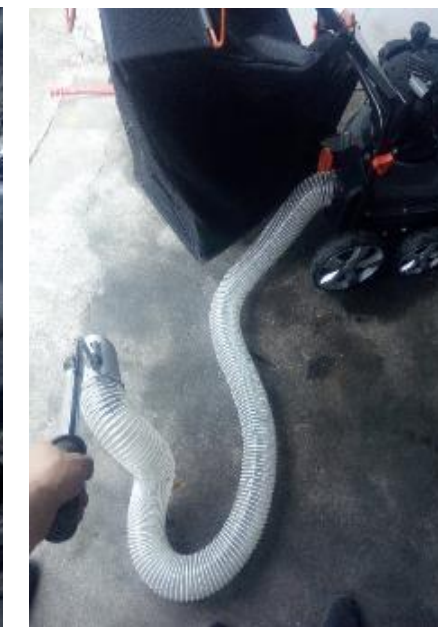
Note: When using this function, please turn off the machine first.

1. When fully closed, check that the rear panel bezel securely locks the rear cover.
2. When fully closed, please check if the switch rocker arm has been closed by the rear cover
3. It is strictly forbidden to remove the auxiliary hose when the machine is working.

The micro-switch rocker arm should be in closed position when using the blow function.



Open the cover



Install the hose



Using the hose

Precautions and Warnings:

1. When working, try to straighten the hose and work it to ensure maximum suction and wind speed.
2. DO NOT point the hose to others or any non-working area during work.
3. DO NOT fit or remove the hose interface when the machine is running
4. DO NOT pull the hose to move the machine forward or backward.
5. DO NOT point the hose head with liquids, fire, and hazardous gases.
6. DO NOT pick up debris that is larger than the hose port.
7. When the hose is clogged, STOP the engine and then clear it.
8. Keep the hose away from the engine silencer.

AUXILIARY HOSE INSTRUCTIONS FOR USE (optional accessory)

Auxiliary hose function—Vacuum function

Insert the suction port baffle into the suction port as previously instructed, see fig 30-1 -2)



Fig.30-1 Insert baffle



Fig.30-2 The baffle is inserted into place

Start the machine. Point the hose mouth at the trash, leaves or debris.

●**Note:** When loading and unloading the hose, please turn off the engine first.

●**Note:** The suction port baffle is only used when the auxiliary hose is vacuumed.

Auxiliary hose function—Telescopic function

1. Telescopic tube can adjust the height of different handle positions.
2. Push the Lock with your thumb while adjusting the handle position forward or backward.

Auxiliary hose function— Blow function

Close the rear cover. (see fig 33-1、2、3)



Fig.33-1 Close the rear cover

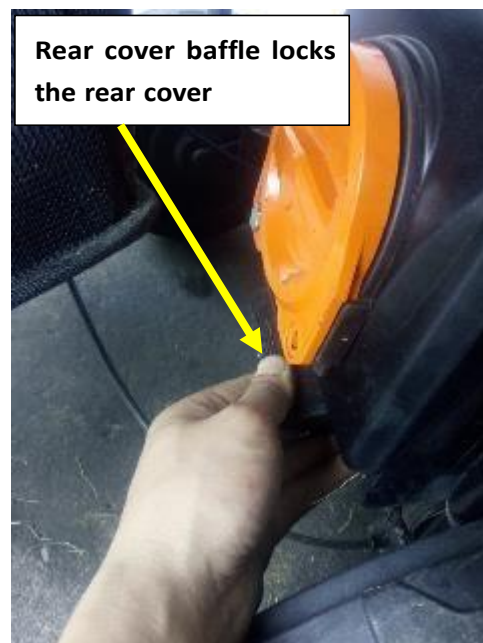


Fig.33-2 Close completely

AUXILIARY HOSE ASSEMBLY (optional accessory)

1. Open the front hose cover. Align the hose end connector with the inlet connector. Insert the hose connector.
2. Insert the hose connector and rotate clockwise to lock in place.
3. Fit the suction inlet baffle to maximise the suction through the hose.



Opening the hose inlet cover



Insert the hose connector



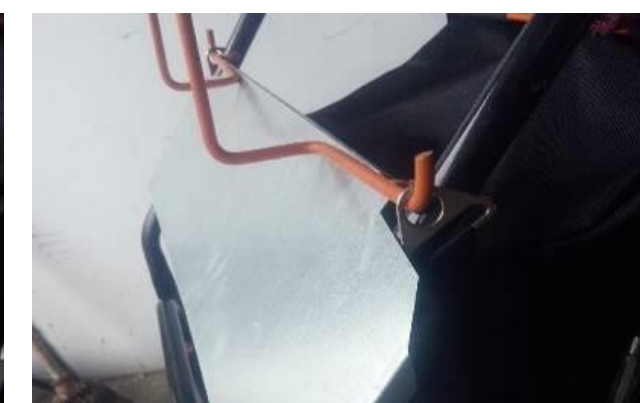
Rotate the hose connector clockwise to secure



Fitted hose installed



Fitting the baffle plate to divert the suction through the hose



6. SPECIFICATIONS

Machine model	WV580SPL (DY580-159S-00)
Engine	Loncin LC1P65FC
Engine power	2.7 Kw
Engine emissions	159 cm ³
Fuel capacity	1 L
Oil capacity	0.55 L
Engine speed	3400 r/min
Walking speed	3.4 km/h
Collection bag capacity	135 L
Suction height	15mm-50mm
Suction air velocity	26 m/s
Air outlet speed	43 m/s
Guarantee the sound pressure level of the operator's location	87 dB(A)
Measured sound power level	105 dB(A)
Vibration value	5.0 m/s ²
Working slope angle	20 degrees
Startup mode	throttle
Machine size	Length 1305mm X width 602mm X height 1080mm
net weight	46 Kg
Gross weight	49 Kg



Fig.24-1 plastic rope

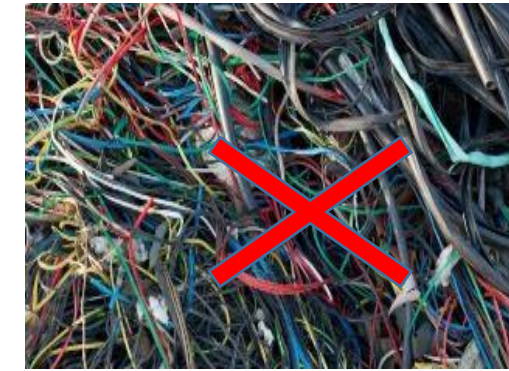


Fig.24-2 Banded fibrous material



Fig.24-3 Plastic bag

Note: Do not work the machine in a waste dump. (See Fig 25)

Note: Do not try to absorb larger trash. (See Fig 26)



Fig.25 Garbage accumulation area



Fig.26 Large trash

Appropriate work areas

Ground and lawn covered by fallen leaves. (See Fig 27 -1, 2)

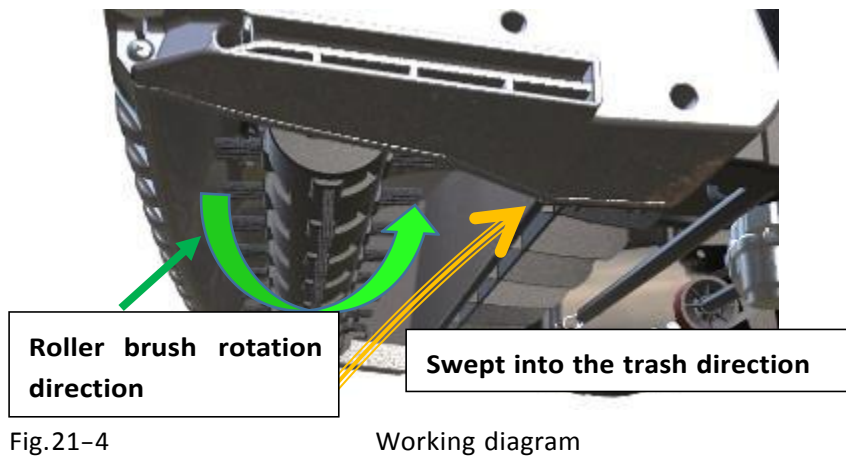


Fig.27-1 Fallen leaves on the lawn or hard surfaces



Fig.27-2 Fallen leaves or litter





The role of Roller brush attachment and the precautions.

1. Roller brush attachment is divided into Cleaning disk and Comb brush. (See Fig 22-1、 2)

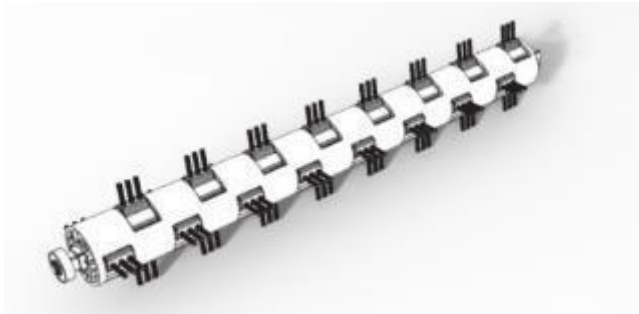


Fig.22-1 Sweepers / brush

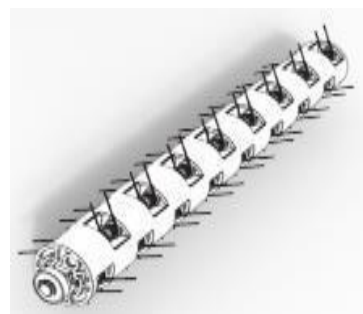


Fig.22-2 Spring tines

- 2. Sweeper / brush attachment – Ideal for helping to remove wet leaves and other debris stuck on the hard surfaces.
- 3. Spring tines – Ideal for leave and debris on and within the turf of the lawn.

Precautions for the working area of the whole machine.

●Note: Do not use roller brushes or machines in harsh areas. (See fig 23-1、 2)



Fig.23-1 Very lush lawn



Fig.23-2 Very lush lawn

●Note: Do not use the machine to absorb soft fibers, fabrics. (See fig 24-1、 2、 3)

7. OPERATION – STARTING & STOPPING

Warning: Before reading the instructions for use, make sure you understand the above and keep it in mind.

Warning: Check the oil level & correct as necessary. Check all fixings, nuts and bolts are secure before operating. Check safety features operate correctly.

1. Check oil level on oil dipstick and fill accordingly.
2. Unscrew the fuel tank cap and add unleaded petrol.
3. Make sure the microswitch rocker arm on collection bag port is closed. (See Fig 14-1, 2) If this microswitch is not closed; remove and replace bag, or ensure the bag collection port is fully closed and locked into place (if using with hose kit).
4. Where the bag will not locate, or the port does not close fully, check for any debris around the port.



Fig.14-1 Switch rocker- Open state



Fig.14-2 Switch rocker- Closed state

5. Please pull the throttle handle to the start position See Fig 15-1, 2)



Fig.15-1 Throttle handle- Engine stop

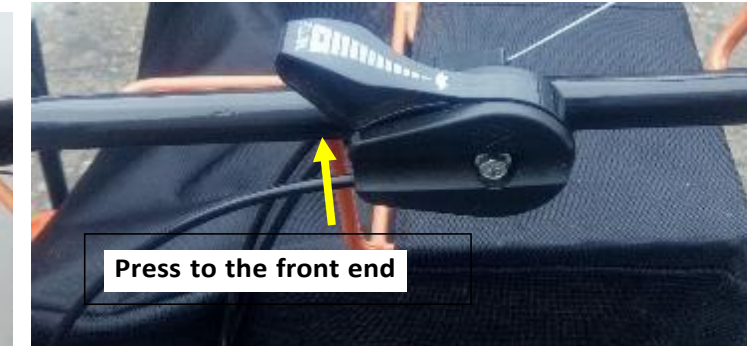


Fig.15-2 Throttle handle- Engine start

6. Pull the engine start handle to start the engine. (See Fig 17)

Note: The vacuum or blower function will start once the engine starts. Before you pull the starter handle, please pay attention to your surroundings, check it is safe to proceed.



Fig.17
Starting the machine.
Pull the starter cord firmly to start.
Allow the engine to warm up briefly, then adjust the throttle lever accordingly.

⚠ ENGINE STOP INSTRUCTION:
Move the throttle lever to the **STOP** position.

ADJUST THE HEIGHT OF THE SUCTION INLET

Pull the height adjustment handle out of the gear position slot and then re-select the height adjustment position required to suit the conditions.



Fig.19-1 Pull out the handle

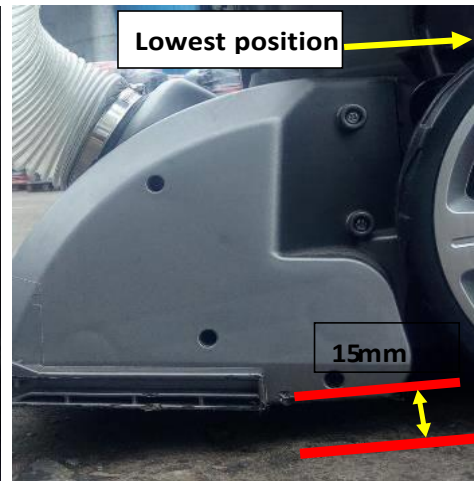


Fig.19-2 Height distance

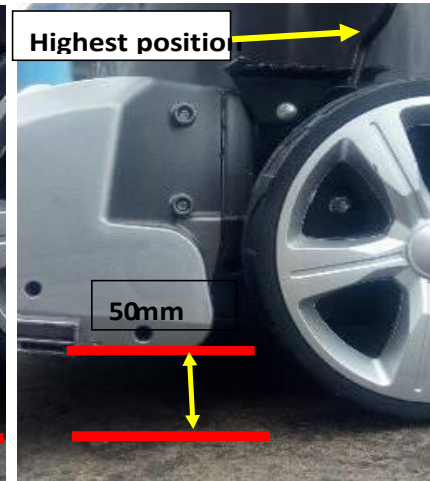


Fig.19-3 Height

GUIDE WHEELS TO PROTECT THE VACUUM DECK

1. During normal speed (3.4 km/h) travel, impact at an angle of less than 45 degrees. When striking road steps, height exceeds (50mm-80mm) and fixed hard objects, The guide wheel will rub against the hard object, causing the direction of travel to change. Thereby avoiding the hard object and preventing the machine from being damaged by the violent impact of the hard object. (See Fig 20-1, 2)

-Note: Do not exceed the normal self-propelled speed (please provide self-propelled speed according to the parameter table of this manual (page 14)) and impact at an angle greater than 45 degrees. Such operation will cause the guide wheel to lose its function and cause the suction port to be damaged.

-Note: This function is an auxiliary function that protects the suction port for accidental impact. In normal times, please do not intentionally test its strength. Operate the machine at slow speeds, avoid impacts and change direction to avoid hard objects.



Fig.20-1 Impact angle



Fig.20-2 The role of the pulley

START AND FUNCTION OF THE ROLLER BRUSH (optional accessory)

1. Please assemble the roller brush attachment according to the procedure in previous section. 2. After starting the machine, close the roller drive lever. (See Fig 21-1, 2, 3, 4)

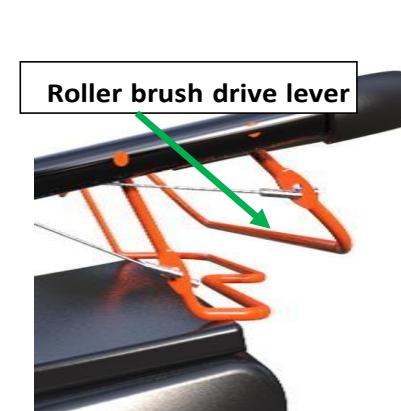


Fig.21-1



Fig.21-2 Pull rod closing direction



Fig.21-3 Clamping lever