



GIANT-VAC



**INSTALLATION INSTRUCTIONS
OPERATING INSTRUCTIONS
PARTS LIST**

Discharge Hose Kit for LBC Series 1 Walk-Behind Leaf Blowers

***For Leaf Blower models:
LBC55151BV
LBC915751BV***



MODELS 509, 809

Actual product may differ from product pictured above
Leaf Blower not included

Kits covered by this manual:
509 (for model LBC55151BV)
809 (for model LBC915751BV)

1 preliminaries

Congratulations!

You have just purchased one of the finest outdoor power equipment accessories on the market today. If properly cared for, your new hose kit will provide years of dependable service. Please read and follow this instruction manual carefully in order to get the most out of your new equipment.

As you carefully unpack your unit, you will find the following items:

- 1 Discharge Adapter
- 1 Length of Discharge Hose
- 1 Hose Clamp
- 1 Package containing supplemental assembly hardware
- 1 Package containing operating manual

Each product leaves our factory in excellent condition; occasionally, however, some damage may occur during shipment. If any such damage is found upon initial inspection, *immediately* notify the transport carrier who delivered your machine, as they are solely responsible for such damage, as well as any subsequent adjustments necessary.

Before assembly, please take a moment and record the model number of your hose kit, and the date purchased, for future reference:

Model number _____

Date Purchased _____

Your new hose kit requires very little assembly. Simply follow the instructions contained within this manual to begin enjoying the benefits of your new product.

CALIFORNIA PROPOSITION 65 WARNING

Gasoline and Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.

As an owner of off-road gasoline or diesel engine equipment and/or as an employer, you also may have an obligation under the California Occupational Safety and Health Act or under Proposition 65 to warn persons exposed to gas and diesel engine exhaust and/or other Proposition 65 chemicals in and around your workplace. See California Health and Safety Code section 25249.5, Title 22 of the California Code of Regulations at Section 1200 *et seq.*, and Title 8 of the California Code of Regulations Section 5194.

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2 *safety rules regarding outdoor power equipment*



IMPORTANT! READ CAREFULLY THE FOLLOWING GENERAL SAFETY RULES BEFORE ASSEMBLING OR OPERATING ANY OUTDOOR POWER EQUIPMENT.

TRAINING

- Read, understand, and follow all instructions in the manual and on the unit before starting. If the operator(s) or mechanic(s) can not read English it is the owner's responsibility to explain this material to them.
- Become familiar with the safe operation of the equipment, operator controls, and safety signs.
- All operators and mechanics should be trained. The owner is responsible for training the users.
- Only allow responsible adults, who are familiar with the instructions, to operate the unit.
- Never let children or untrained people operate or service the equipment. Local regulations may restrict the age of the operator.
- The owner/user can prevent and is responsible for accidents or injuries occurring to themselves, other people or property.

PREPARATION

- Evaluate the terrain to determine what accessories and attachments are needed to properly and safely perform the job. Use only accessories and attachments approved by the manufacturer.
- Wear appropriate clothing including safety shoes, safety glasses and ear protection. Long hair, loose clothing or jewelry may get tangled in moving parts.
- Inspect the area where the equipment is to be used and remove all objects such as rocks, toys and wire, which can be thrown by the machine.
- Use extra care when handling gasoline and other fuels. They are flammable and vapors are explosive.
 - a) Use only an approved container.
 - b) Never remove fuel cap or add fuel with the engine running. Allow engine to cool before refueling. Do not smoke.
 - c) Never refuel or drain the machine indoors.
- Check that operator's presence controls, safety switches and shields are attached and functioning properly. Do not operate unless they are functioning properly.

OPERATION

- Never run an engine in an enclosed area.

- Operate only in the daylight or with good artificial light, keeping away from holes and hidden hazards.
- Be sure of your footing while using pedestrian controlled equipment, especially when backing up. Walk, don't run.
- Do not operate in reverse unless absolutely necessary. Always look down and behind before and while traveling in reverse.
- Be aware of the blower discharge direction and do not point it at anyone. Do not operate the blower without deflectors in place.
- Never leave a running unit unattended. Always stop engine before leaving unit.
- Never operate with guards not securely in place. Be sure all safety features are attached, adjusted properly and functioning properly.
- Never operate with the discharge deflectors removed or altered.
- Do not change the engine governor setting or over speed the engine.
- Stop on level ground, shut off engine before leaving the operator's position for any reason.
- Stop equipment and inspect impeller blades after striking objects or abnormal vibration occurs. Make necessary repairs before resuming operations.
- Keep hands and feet away intake and discharge areas.
- Keep pets and bystanders away.
- Do not operate the unit while under the influence of alcohol or drugs.
- Use caution when crossing roads and sidewalks. Stop engine if not blowing.
- Use care when loading or unloading the machine into a trailer or truck.
- Use care when approaching blind corners, shrubs, trees or other objects that may obscure vision.

SLOPE OPERATION

Slopes are a major factor related to loss-of-control and tip-over accidents, which can result in severe injury or death. All slopes require extra caution. If you cannot back up the slope, or if you feel uneasy on it, do not drive on it.

Do

- Blow across the face of slopes; never up and down.
- Remove obstacles such as rocks, tree limbs, etc.

2 *safety rules regarding outdoor power equipment (cont.)*

- Watch for holes, ruts, or bumps. Uneven terrain could overturn the unit. Tall grass can hide obstacles.
- Keep all movement on the slopes slow and gradual. Do not make sudden changes in speed or direction.

Do Not

- Do not start or stop on a slope. If tires lose traction, proceed slowly straight down the slope.
- Do not turn on slopes unless necessary, and then, turn slowly and gradually downhill, if possible.
- Do not use near drop-offs, ditches, or embankments. The operator could lose footing or balance or blower could suddenly turn over if a wheel is over the edge of a cliff or ditch, or if an edge caves in.
- Do not operate on slopes with wet grass. Reduced footing or traction could cause sliding.
- Do not use on excessively steep slopes.

CHILDREN

Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the unit and its activity. Never assume that children will remain where you last saw them.

- Keep children out of the blowing area and under the watchful care of another responsible adult.
- Be alert and turn unit off if children enter the area.
- Before and during reverse operation, look behind and down for small children.
- Never allow children to operate the unit.
- Use extra care when approaching blind corners, shrubs, trees, or other objects that may obscure vision.

EMISSIONS


- Engine exhaust from this product contains chemicals known, in certain quantities, to cause cancer, birth defects, or other reproductive harm.
- Look for the relevant Emissions Durability Period and Air Index information on the engine emissions label.

MAINTENANCE AND STORAGE

- Always observe safe refueling and fuel handling practices when refueling the unit after transportation or storage.

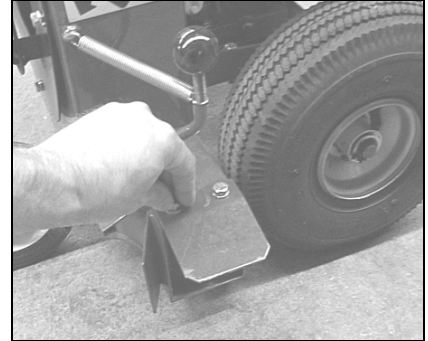
- Always follow the engine manual instructions for storage preparations before storing the unit for both short and long term periods.
- Always follow the engine manual instructions for proper start-up procedures when returning the unit to service.
- Never store the machine or fuel container inside where there is an open flame, such as in a water heater. Allow unit to cool before storing.
- Shut off fuel while storing or transporting. Do not store fuel near flames or drain indoors.
- Keep all hardware, especially impeller bolt, tight and keep all parts in good working condition. Replace all worn or damaged decals.
- Never tamper with safety devices. Check their proper operation regularly.
- Clean leaves and debris from mufflers and engine to prevent fires. Clean up oil or fuel spillage.
- Stop and inspect the equipment if you strike an object. Repair, if necessary, before restarting.
- Never make adjustments or repairs with the engine running unless specified otherwise.
- Park machine on level ground. Never allow untrained personnel to service machine.
- Carefully release pressure from components with stored energy. (e.g. springs)
- Only replace impellers. Never straighten or weld them.
- Keep hands and feet away from moving parts.
- Frequently check components and replace with manufacturer's recommended parts, when necessary.
- Use only factory authorized replacement parts when making repairs.
- Always comply with factory specifications on all settings and adjustments.
- Only authorized service locations should be utilized for major service and repair requirements.
- Never attempt to make major repairs on this unit unless you have been properly trained. Improper service procedures can result in hazardous operation, equipment damage and voiding of manufacturer's warranty.

3 *assembly & installation*

 **IMPORTANT NOTE:** Always stop engine and remove spark plug wire before attempting to remove or install any outdoor power equipment component or accessory.

DISCHARGE DEFLECTOR REMOVAL

- Remove existing discharge deflector from blower discharge snout, and store in a safe place. (Set removed hardware aside, as it will be used to fasten intake flange in place.)



DISCHARGE ADAPTER INSTALLATION

- Install Discharge Adapter onto blower discharge snout, aligning holes in adapter with holes in snout. Use hardware removed in previous step (fitted with supplied flat washers) to secure top portion of adapter; use supplied hardware (5/16-18 x 3/4" hex bolt, split lock washer and flat washer) to secure bottom. Tighten hardware securely.



DISCHARGE HOSE INSTALLATION & FINAL ASSEMBLY

- Slip Worm-drive Hose Clamp onto one end of Discharge Hose.
- Slip end of discharge hose with installed hose clamp over barrel of discharge adapter. Be sure hose slips completely over barrel.
- Tighten hose clamp securely.



3 *assembly & installation (cont.)*

Installation is complete. Reconnect spark plug wire and refer to the operating instructions furnished with your blower for starting and operating instructions, then refer to the operation section of this manual for instructions on using the discharge hose kit.



WARNING! BLOWER IMPELLER IS MOUNTED DIRECTLY TO ENGINE SHAFT – STARTING ENGINE WILL RESULT IN IMMEDIATE, HIGH-VELOCITY DISCHARGE. TO AVOID INJURY OR DAMAGE, BE SURE DISCHARGE COMPONENTS ARE AIMED AWAY FROM PEOPLE, PETS AND PROPERTY WHEN STARTING.

4 *operation*

GENERAL GUIDELINES TO OBSERVE BEFORE OPERATING

- Be sure that all discharge components, as well as all blower components themselves, are in good working condition. Always check for worn or cracked hoses, bent, broken or worn components, loose fasteners, etc. NEVER OPERATE DEFECTIVE EQUIPMENT – CONTACT YOUR LOCAL DEALER FOR REPLACEMENT PARTS OR SERVICE.
- Be sure that all discharge components are completely assembled and installed as per instructions.
- Be sure that all tools, removed blower components, and other materials left over from installation have been removed completely from the work area.
- If using discharge kit in conjunction with optional intake kit, be sure that the free end of the discharge hose is connected to, or discharging into, a safe, structurally sound, adequately vented debris container (a trash can or truck bed is ideal); if discharging into an open area, be sure it is away from people, pets and property.



CAUTION! IF USING DISCHARGE KIT IN CONJUNCTION WITH INTAKE KIT: NEVER open the forward discharge door before or while vacuuming – high velocity blower discharge will create flying debris that can easily cause severe personal injury or death, as well as serious property damage.



4 *operation (cont.)*

- Be sure to wear appropriate personal protective equipment – eye, ear and breathing protection is a must.
- Remove any lawn and garden ornaments that may be damaged by high-velocity discharge.
- If possible, position your blower and debris container (if used) in a location that will allow for maximum reach without repositioning.
- Do not start blower until you are ready for use, and promptly shut blower down as soon as operation is complete.

OPERATION

- Aim discharge away from people, pets and property.
- Start blower (Refer to the engine manual, supplied with your blower manual package, for correct engine starting procedures.)



WARNING! BLOWER IMPELLER IS MOUNTED DIRECTLY TO ENGINE SHAFT – STARTING ENGINE WILL RESULT IN IMMEDIATE, HIGH-VELOCITY DISCHARGE. TO AVOID INJURY OR DAMAGE, BE SURE DISCHARGE COMPONENTS ARE AIMED AWAY FROM PEOPLE, PETS AND PROPERTY WHEN STARTING.

- Decrease engine throttle to about half.
- Always allow for adequate air intake – do not jam the nozzle into the debris or against the ground.
- Initially check the debris container to see that the debris is being effectively discharged into it, and regularly to see at what level the container is filled. Do not allow debris container to fill completely – doing so may block discharge and thus result in clogging of the blower intake.
- While operating, listen for sudden changes in engine pitch (which may indicate clogging of intake hose, if using), or clanking or banging noise in housing (which may indicate debris wedged into impeller blades), or any other noise indicative of trouble. IMMEDIATELY shut the unit down and refer to the troubleshooting section of this manual.

5 *maintenance & troubleshooting*

MAINTENANCE

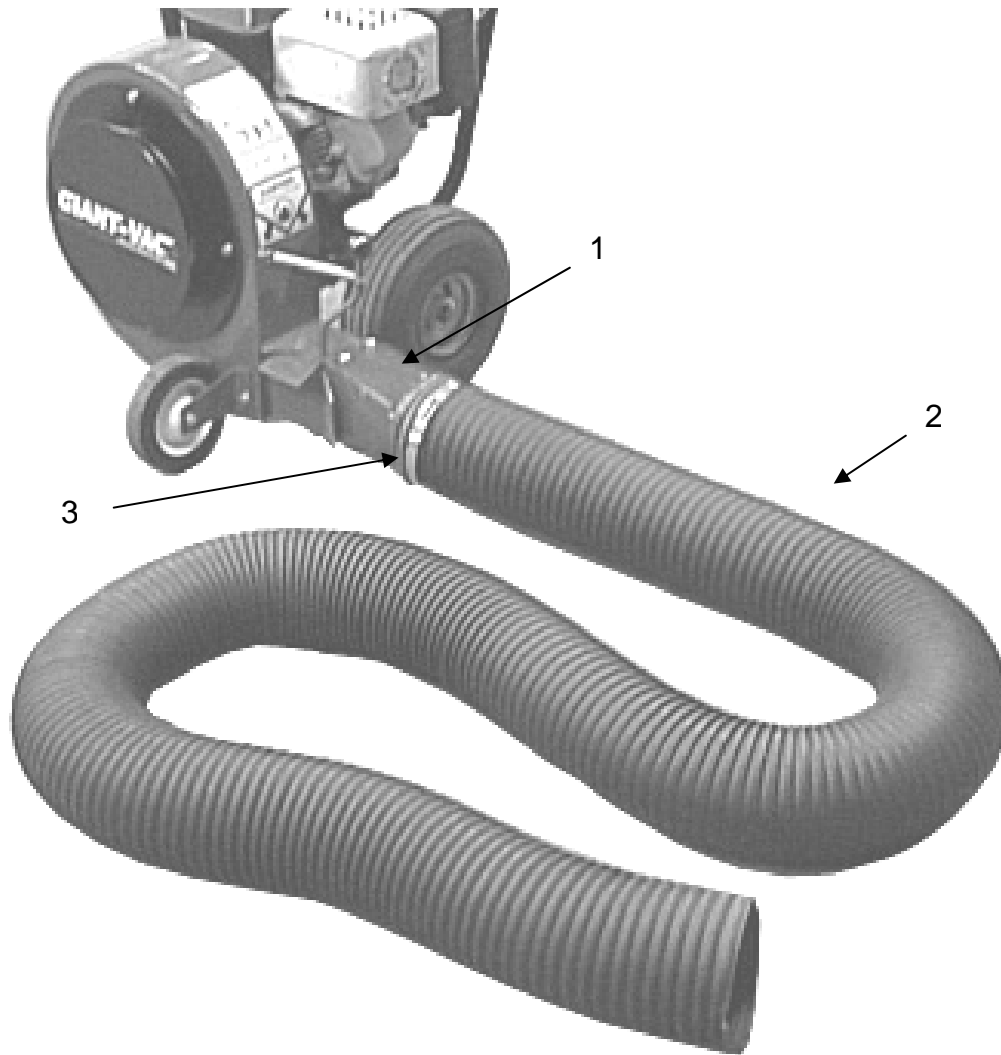
- Check components often for wear and breakage; repair or replace promptly. Contact your dealer for genuine replacement parts.
- Remove the hose kit from the blower unit when not in use, replacing the blower's original components to prevent personal injury or damage to the blower.
- An occasional washing with warm soapy water will keep the hose kit components looking and performing their best.
- Store the hose kit in a cool, dry place.

5 *maintenance & troubleshooting*

TROUBLESHOOTING CHART

Problem	Possible cause	Remedy
Unit not discharging	Blower engine not running	Start engine
	Kit (s) installed incorrectly	Check instructions, correct installation
	Front discharge door open	Close front discharge door
	Debris container full (if using in conjunction with optional intake kit)	Empty debris container
	Unit clogged (if using in conjunction with optional intake kit)	Turn unit off, disconnect spark plug, check & clear intake, impeller housing & discharge as needed
	Cracked, broken impeller blade	Turn off unit, disconnect spark plug, remove intake flange, inspect impeller; if broken, contact Giant-Vac dealer for repair
	Broken engine crankshaft	Turn off unit, disconnect spark plug, remove intake flange, inspect for broken crankshaft; if broken, contact dealer for repair
Unit making noise	Loose/broken component/fastener	Check & tighten or replace components & fasteners as needed
	Debris caught in impeller/housing	Turn unit off, disconnect spark plug, remove intake flange from blower front, clear out impeller/housing; replace intake
	Cracked, broken impeller blade	Turn off unit, disconnect spark plug, remove intake flange, inspect impeller; if broken, contact dealer for repair
	Bent or broken engine crankshaft	Turn off unit, disconnect spark plug, remove intake flange, inspect for bent or broken crankshaft; if bent or broken, contact dealer for repair

6 parts list



Parts List for Discharge Hose Kits 509 (#3070301) & 809 (#3070193)				
Ref #	Description	Qty	Part #	Part #
			509 Hose Kit	809 Hose Kit
1	Discharge Adapter	1	3024509 (5" dia)	3024503 (6" dia)
---	5/16-18 x 3/4" Hex Bolt	1	3031031	3031031
---	5/16" Lock Washer	1	3031003	3031003
---	5/16" Flat Washer	3	3031027	3031027
2	Discharge hose	1	3034003 (5" X 10')	3034004 (6" X 10')
3	Hose Clamp	1	3034012 (5" dia)	3034013 (6" dia)



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535 MACON ROAD
McDONOUGH, GA 30253

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