LITTLE WONDER

PRO VAC

MODEL:

5612-00-59

(S/N: 1140000000 and Above)

PARTS, OPERATOR'S & SAFETY MANUAL

MAN 4170969
Rev C
Original Language Instructions

CALIFORNIA PROPOSITION 65

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

⚠ ADVERTENCIA: Cáncer y Dãno Reproductivo - www.65Warnings.ca.gov.

⚠ WARNING

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

⚠ ADVERTENCIA

El estado de California hace saber que los gases de escape de este producto contienen productos quÍ mi-cos que producen cá ncer, defectos de nacimiento y otros dañ os en el proceso de reproducció n humana.

IMPORTANT!

It is a violation of California Public Resource Code Section 4442 or 4443 to use or operate the engine on any forest-covered, brush-covered or grass-covered land unless the engine is equipped with a spark arrestor, as defined in Section 4442, maintained in effective working order or the engine is constructed, equipped, and maintained for the prevention of fire.

To acquire a spark arrestor for your unit, see your Engine Service Dealer.

Please refer to the engine manufacturer's information included with the machine.

Labeled power ratings are supplied by the engine manufacturer in accordance with SAE testing and gross/net power rating standards (J1940, J1995, J1349).

LITTLE WONDER PRO VAC

IMPORTANT MESSAGE

On behalf of everyone at Little Wonder, we would like to thank you for your purchase of a Little Wonder Pro Vac. This professional vac was designed to the highest standards to ensure you many hours of uninterrupted service.

This manual provides the information necessary for safe and efficient operation and service. For your safety, it is critically important that you read and understand this entire manual before operating your blower.

LITTLE WONDER
SCHILLER GROUNDS CARE, INC.
1028 STREET ROAD, P.O. BOX 38
SOUTHAMPTON, PA 18966

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NOTICE !!!

Unauthorized modifications may present **extreme** safety hazards to operators and bystanders and could also result in product damage.

Schiller Grounds Care, Inc. strongly warns against, rejects and disclaims any modifications, add-on accessories or product alterations that are not designed, developed, tested and approved by Schiller Grounds Care, Inc. Engineering Department. Any Schiller Grounds Care, Inc. product that is altered, modified or changed in any manner not specifically authorized after original manufacture-including the addition of "after-market" accessories or component parts not specifically approved by Schiller-Pfeiffer, Inc.-will result in the Schiller Grounds Care, Inc. Warranty being voided.

Any and all liability for personal injury and/or property damage caused by any unauthorized modifications, add-on accessories or products not approved by Schiller Grounds Care, Inc. will be considered the responsibility of the individual(s) or company designing and/or making such changes. Schiller Grounds Care, Inc. will vigorously pursue full indemnification and costs from any party responsible for such unauthorized post-manufacture modifications and/or accessories should personal injury and/or property damage result.

This symbol means:
ATTENTION!
BECOME ALERT!

Your safety and the safety of others is involved.

Signal word definitions:

The signal words below are used to identify levels of hazard seriousness. These words appear in this manual and on the safety labels attached to Schiller Grounds Care, Inc. machines. For your safety and the safety of others, read and follow the information given with these signal words and/or the symbol shown above.

⚠DANGER

DANGER indicates an imminently hazardous situation which, if not avoided, **WILL** result in death or serious injury.

⚠WARNING

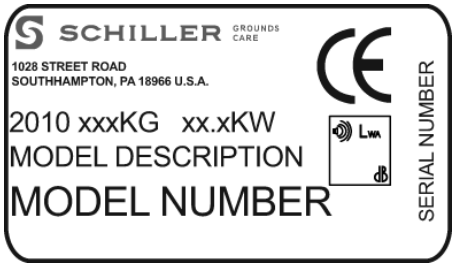
WARNING indicates a potentially hazardous situation which, if not avoided, **COULD** result in death or serious injury.

⚠CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, **MAY** result in minor or moderate injury. It may also be used to alert against unsafe practices or property damage.

CAUTION

CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, **MAY** result in property damage.

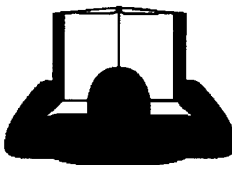


MODEL NUMBER: This number appears on sales literature, technical manuals and price lists.

SERIAL NUMBER: This number appears only on your mower. It contains the model number followed consecutively by the serial number. Use this number when ordering parts or seeking warranty information.

OPERATOR PREPARATION AND TRAINING

READ THE OPERATION & SAFETY MANUAL



- If an operator or mechanic cannot read English, it is the owner's responsibility to explain this material to them. If any portion of this material is unclear, contact your factory representative for clarification.
- Become familiar with the safe operation of the equipment, operator controls and safety signs. Be prepared to stop the engine quickly in an emergency. Do not operate or allow another person to operate this machine if there are any questions about safety.
- All operators and mechanics should be trained. The owner is responsible for training the users.
- Wear appropriate clothing, including safety goggles or safety glasses with side shields when operating. Wear substantial footwear and long pants. Do not operate barefoot or wearing open sandals. Long hair, loose clothing or jewelry may get tangled in moving parts.
- Wear appropriate hearing protection.
- Wear safety glasses.
- Wear a dust mask to avoid breathing dust.
- Never allow children, unskilled or improperly trained people to operate this equipment. Local regulations can restrict the age of the operator.
- Never pick up or carry the unit while the engine is running.
- Keep warning labels and this operator's manual legible and intact. Replacement labels and manuals are available from the factory.
- Do not operate machine while under the influence of drugs or alcohol, or any other condition of impairment.
- The owner/user can prevent and is responsible for accidents or injuries occurring to themselves, other people, or property.

SITE PREPARATION AND CIRCUMSTANCES

- Evaluate the terrain to determine how to safely perform the job. Only use accessories and attachments approved by the manufacturer.
- Be sure the area is clear of pets and people, especially young children. Never assume they will remain where you last saw them. Stop the machine if any enter the area.
- Only vacuum in daylight or in good artificial light.
- Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.

MULTIPLE OPERATORS

- Keep a safe distance between operators when working together.

MACHINE PREPARATION

- Read engine manual.
- Check operator presence interlock system. Adjust or have any problems repaired before using.
- Damage to the engine can occur if there is no oil or oil level is low. Check the oil level and add oil per engine manual as necessary.
- Do not tamper with or defeat safety devices. Keep guards, shields and interlock safety devices in place and in proper working condition. They are for your protection.
- Keep all fasteners such as nuts, bolts, and pins well secured.
- Verify that machine and attachments, if any, are in good operating condition.

OPERATING SAFELY

IN GENERAL

– Use extra care when loading or unloading the machine into a trailer or truck.

– Do not run the engine in an enclosed area where dangerous carbon monoxide fumes can collect.

– Never leave a running machine unattended. Always stop engine when leaving the operator position.

– Do not blow towards people, cars, windows, or other items which could be injured or damaged by the blown debris.

– Keep hands away from the blower air intake and outlet.

STARTING

– Start according to instructions in this manual or on the machine.

– Do not change engine governor settings or overspeed the engine. Operating the engine at excessive speed can increase the hazard of personal injury.

OPERATING ON SLOPES

- Slopes are a major factor in loss of control and tip over accidents that sometimes lead to severe injury or death. All slopes require extra caution.
- Before operating on slopes, evaluate the risks involved.
- Do not operate on slopes if uneasy or uncertain. Ultimate responsibility for safe operation on slopes rests with the operator.
- Do not operate on steep slopes. Poor footing could cause a slip and fall accident.
- Keep all movement on slopes slow and gradual.
- Do not operate near drop-offs, ditches or embankments. You could lose your footing or balance.
- Do not turn on slopes unless necessary, and then turn slowly and downhill when possible.
- Be sure of your footing on slopes.
- Watch for holes, ruts, bumps, rocks and other hidden objects. Uneven terrain could cause a slip and fall accident. Tall grass can hide objects.

INTERRUPTING OPERATION

- Before leaving the operator's position:
  - Park on level ground.
  - Shut off the engine.
- Stop the engine, and wait until the fan stops moving:
  - before refueling;
- Stop the engine, and disconnect the spark plug wire(s):
  - before clearing blockages;
  - before checking, cleaning or working on the machine;
  - if the machine begins to vibrate abnormally: shut off machine immediately. Inspect and have repairs made as needed before restarting;
  - except for repairs or adjustments as specifically noted, such as for carburetor adjustment, where the engine must be running. Keep hands and feet clear of moving parts in these circumstances.
- Allow the fan to come to a complete stop when stopping operation to clear blockages, unclog, inspect the machine, do maintenance or repair.
- 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 conclusion of operation.

MAINTENANCE SAFETY

In general

- Maintain machine according to manufacturer's schedule and instructions for maximum safety and best results.
- Park machine on level ground.
- Never allow untrained personnel to service machine.
- Guards should only be removed by a qualified technician for maintenance or service.
- Adjust or repair only after the engine has been stopped and the fan has stopped moving.
- Disconnect spark plug wire(s) before doing any maintenance.
- Replace parts if worn, damaged or faulty. For best results, always replace with parts recommended by the manufacturer.
- Do not dismantle the machine without releasing or restraining forces which may cause parts to move suddenly.
- Provide adequate support, e.g. jack stands for lifted machine or parts if working beneath.
- Do not put hands or feet near or under rotating parts.
- Clean up spilled oil or fuel thoroughly.
- Replace faulty mufflers.
- To reduce fire hazards, keep the engine, muffler, and fuel storage area free of grass, leaves, debris buildup or grease.

Fans

Do not straighten or weld fans. Replace damaged or failed fans.

Fuel

- Petrol (gasoline) and diesel fuels are flammable; petrol (gasoline) vapors are explosive. Use extra care when handling.
- Store only in containers specifically designed for fuel.

- When refueling or checking fuel level:
  - Stop the engine and allow to cool;
  - Do not smoke;
  - Refuel outdoors only;
  - Use a funnel;
  - Do not overfill;
  - If fuel is spilled, do not attempt to start the engine until the spill is cleaned up and vapors have cleared.
  - Replace caps on fuel containers and tanks securely.

Sparks from static electricity can start fires or cause explosions. Flowing fuel can generate static electricity. To prevent static electricity sparks:

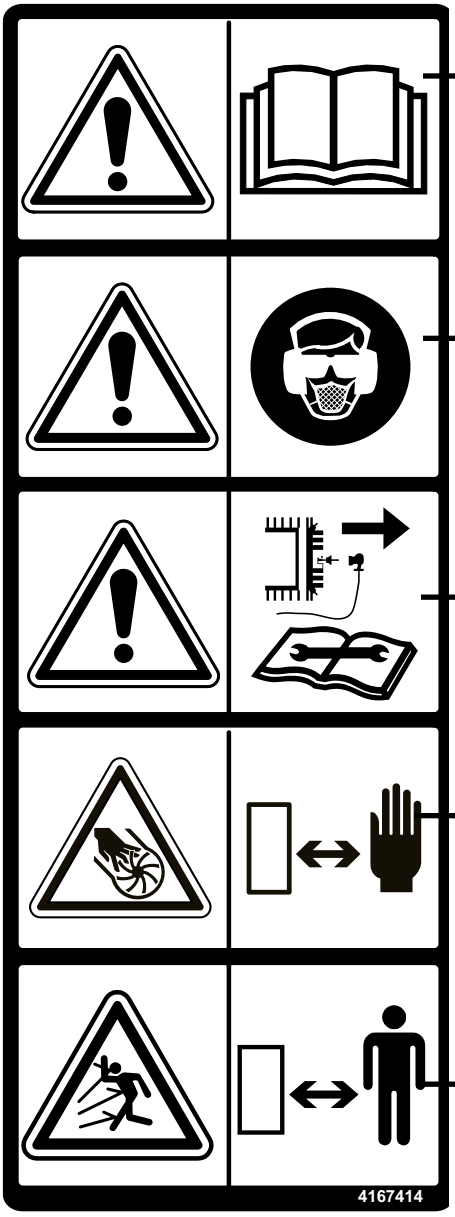
- Keep containers electrically grounded. Do not fill containers in a vehicle or on a truck or trailer bed with a plastic liner. Fill containers on the ground away from the vehicle.
- When practical, remove petrol (gasoline) powered equipment from the truck or trailer and refuel it on the ground. If equipment must be refueled on the truck or trailer, refuel from a portable container rather than a dispenser nozzle.
- Keep the dispenser nozzle in contact with the rim of the fuel tank or container opening until fueling is complete. Do not use a nozzle lock-open device.
- If petrol (fuel) is spilled on clothing change it immediately.

STORAGE SAFETY

- Stop the engine and allow to cool before storing.
- Drain the fuel tank outdoors only.
- Store fuel in an approved container in a cool, dry place.
- Keep the machine and fuel containers in a locked storage place to prevent tampering and to keep children from playing with them.
- Do not store the machine or fuel container near an open flame, spark, or appliance, such as a water heater, or a pilot light.
- Keep petrol (gasoline) storage area free of grass, leaves and excessive grease to reduce fire hazard.
- Clean grass and debris from cutting units, drives, mufflers and engine to help prevent fires.

SAFETY DECALS

An important part of the safety system incorporated in this blower are the warning labels found on the blower. Replace labels if damaged or illegible.



Read and understand the operator manual. Pay particular attention to all sections regarding safety. Store your owners manual in a safe place.

Wear eye and ear protection.
Wear Respiratory Equipment to protect yourself from breathing dust.

Before performing any service or maintenance, disconnect spark plug wire. Make sure engine switch is in the OFF (O) position.

Caution:
Contact with rotating fan will cause serious injury. Keep hands away from air intake and discharge areas.

Caution:
Thrown objects.
Keep bystanders away.
Do not blow towards people or items that may be injured or damaged by flying debris.

Keep bystanders away.

LITTLE WONDER PRO VAC

SAFETY DECALS

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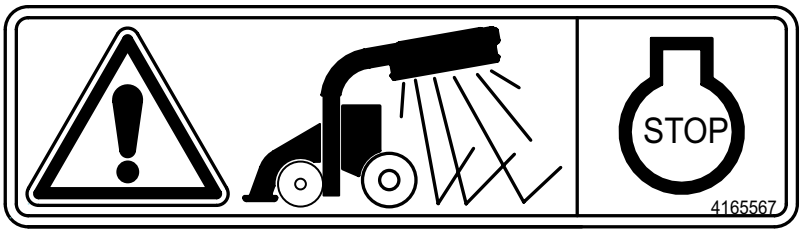
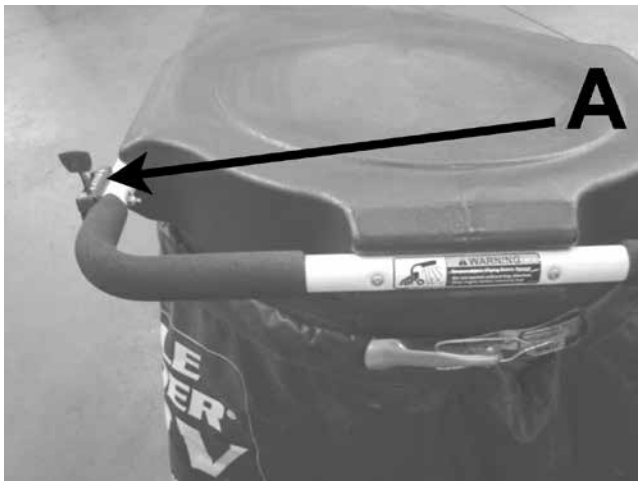


Thrown Object / Flying Debris Hazard
-Do not operate without properly attached bag.
-Stop engine before removing bag.

Rotating Blades:
CUT / AMPUTATION HAZARD
-Keep hands out of fan housing.
-Stop engine and remove spark plug wire before cleaning or servicing.

THROTTLE (A)

Controls engine speed and the amount of air being blown. Stops the engine when moved to the extreme slow position.



CHOKE (B)

Move to the “CHOKE” position to apply the choke. Move to the “RUN” position to remove the choke.

FUEL SHUT OFF (C)

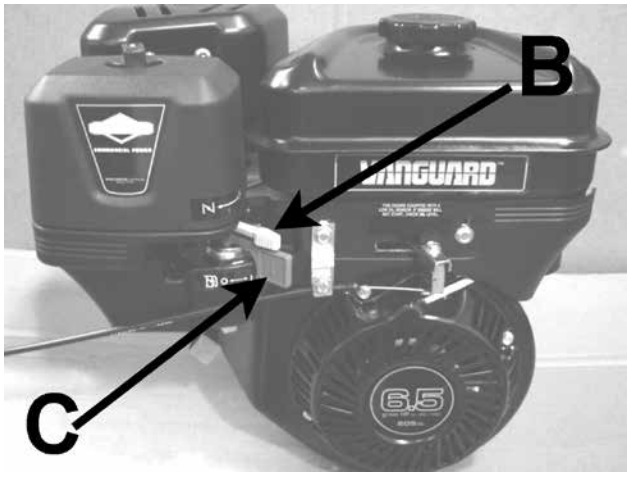
Move to the “OFF” position to shut off the fuel whenever transporting the machine by trailer or truck or during storage. Move to the “ON” position before starting the engine. The “OFF” position also can be used to “KILL” the engine as a “KILL” switch is combined withthe fuel shutoff.

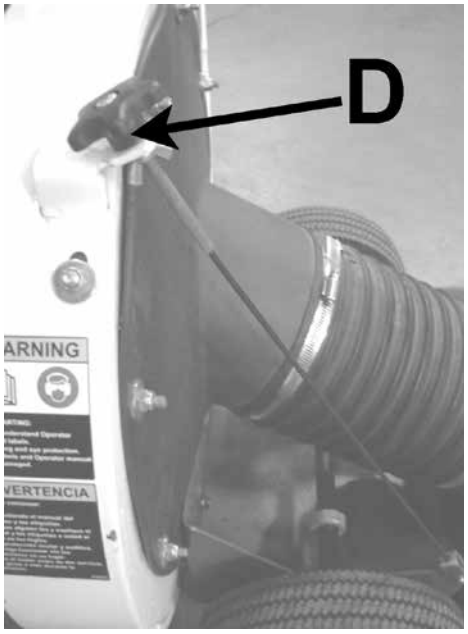
ADJUSTING KNOB (D)

Adjusts nozzle height.

RECOIL STARTER HANDLE (E)

Pull to turn over the engine to start it. Guide the recoil starter handle back to the rope guide for best rope life. Allowing the rope to snap back will shorten rope life.





UNPACKING THE UNIT

1. Remove Collector assembly, Nozzle assembly, and debris bag from the top section of the package.
2. Remove cardboard insert.
3. Cut away short side of the box and fold down.
4. Roll base unit out of the box.

ASSEMBLY (See Figures on page 11)

1. Attach the **collector assembly** to the base unit:
   - •Bolt the collector assembly to the frame with 4 sets of bolts, nuts, and 3 washers. Attach rope guide with upper right bolt.
   - •Slide the rectangular end of the collector over the housing and mount the flange with 2 sets of washers and nuts.

2. Attach the throttle cable bracket to the handle with a 1/4-20 thread rolling screw A. Tighten until snug, but do not overtighten. Intall throttle cable assembly to handle with 1/4-20x2 bolt, 2 washers, and 1/4 nylon locknut.
   - •Secure throttle cable to handle with **cable ties** in 2 places.

3. Install the **band clamp** into the **debris bag** (wear gloves when handling band clamp):
   - •Slide the bracket end of the band clamp through the left side opening of the sleeve on the debris bag until it emerges from the right side.
   - •Feed the tail end of the band (on the clasp side) behind the bracket in the sleeve.
   - •Pinch the wire form on the clasp together and connect it through 2 holes in the adjustment bracket such that it will close tightly over the collector.

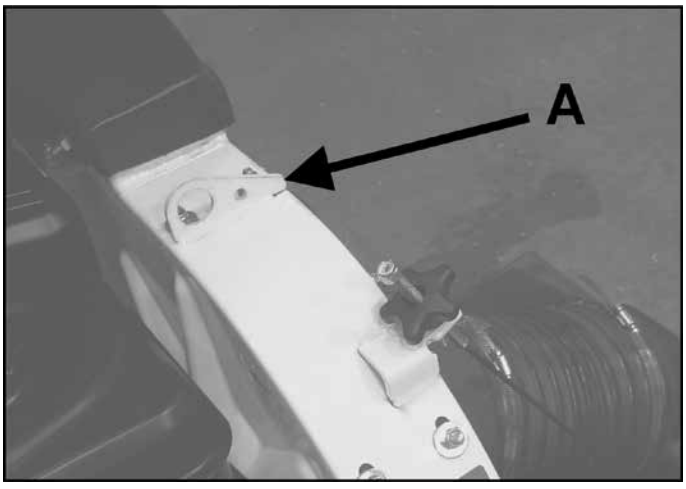
4. Connect the **debris bag** by placing it over the bottom lip of the **collector** and closing the clasp to secure the bag. Adjust the clasp wire form to the appropriate hole position on the bracket to insure a tight fit. If the bag will not fit tight within the range of the 3 adjustment holes, insert the bag **seal strap**:
   - •Unhook the wire form from the bracket.
   - •Pull the tail end of the band back out from behind the bracket.
   - •Feed one end of the **seal strap** behind the metal band and through the channel to the other side.
   - •Tuck the other end of the **seal strap** behind the bracket (overlapping the lead end of the **seal strap**).
   - •Feed the tail end of the **band clamp** behind the bracket (overlap the **seal strap**).
   - •Connect the wire form to the appropriate holes in the bracket and secure the debris bag to the collector.

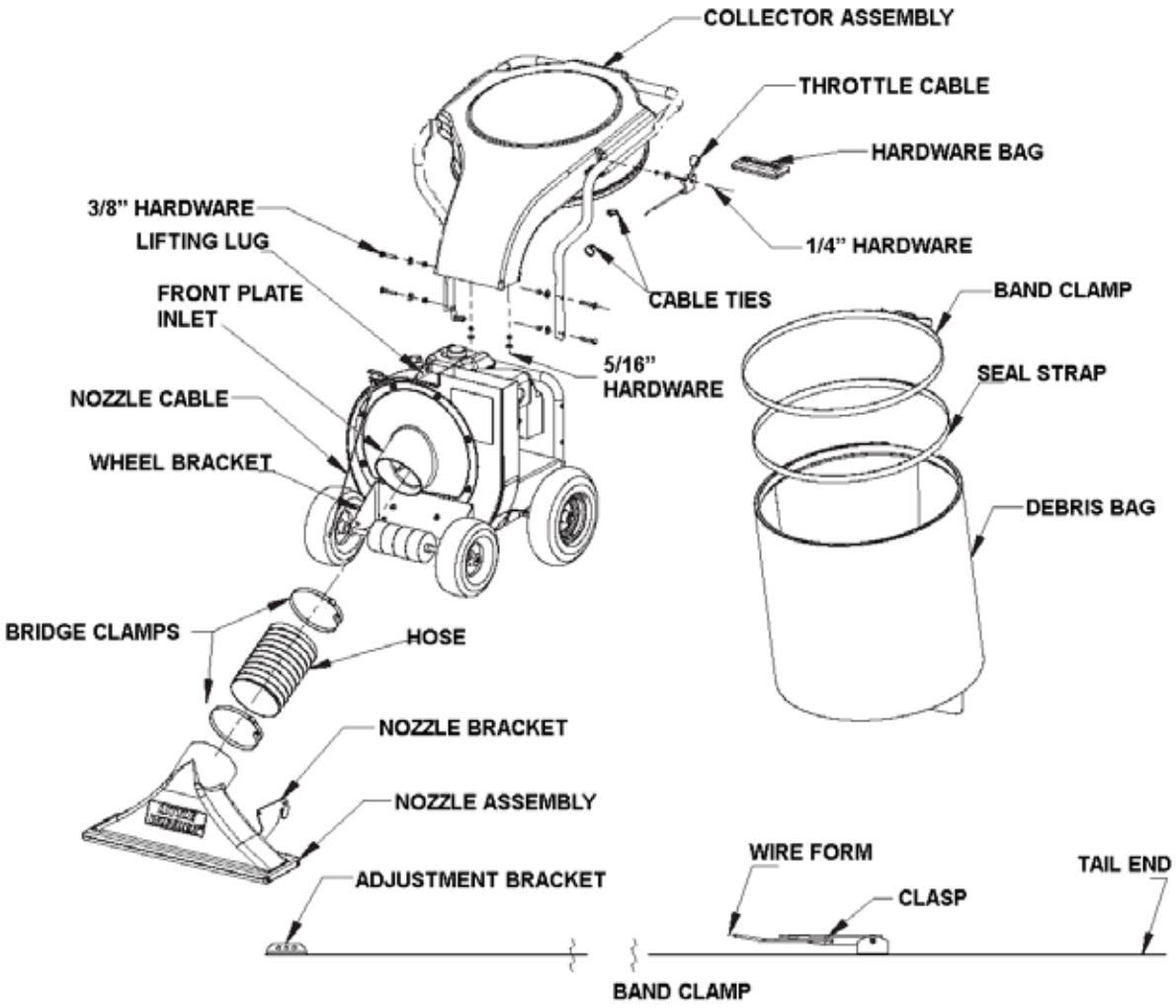
5. Attach **nozzle assembly** to base unit:
   - •Attach one end of the **hose** to the nozzle assembly with the **bridge clamp Assembly.**
   - •Slide the other end of the **hose** over the edge of the inlet on the **front plate.**
   - •Hook one side of the **nozzle bracket** over the front axle.
   - •Bend the other end of the nozzle bracket inward to hook it over the axle and engage the pins on the **wheel bracket** with the slots on the **nozzle bracket.**
   - •Secure the hose to **front plate** inlet with the **bridge clamp.**
   - •Attach the **nozzle cable** end fitting through the hole in the **nozzle bracket.**

6. To remove **nozzle assembly** (for purposes of storage, or clearing blockages):
   - •Turn engine off and disconnect spark plug.
   - •Loosen **hose clamp** on the **front plate** with flathead screwdriver or 5/16 wrench.
   - •Slide hose off of **front plate** inlet.
   - •Bend one side of **nozzle bracket** inward and twist the **assembly** to remove the hook from the axle.
   - •Twist back and lift to remove the other side of **nozzle bracket** from the axle.

LIFTING LUG

The Little Wonder Pro Vac includes a convenient lifting lug **A** on top of the fan housing that can be used to lift the unit. This lug can only hold up to a total of 250 lbs (115 kg).

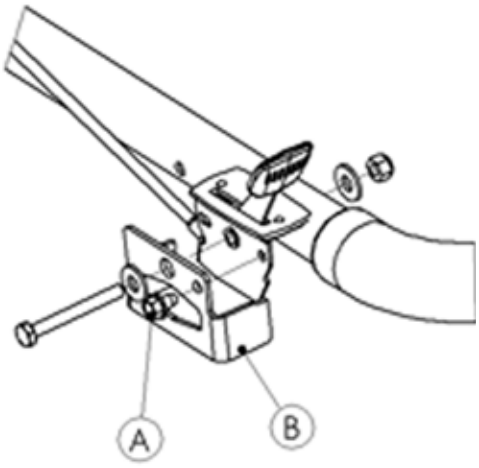




ROPE GUIDE

Attach the rope guide with the upper right bolt. Pull the starter rope out and route it throught the rope guide.

THROTTLE BRACKET ASSY.

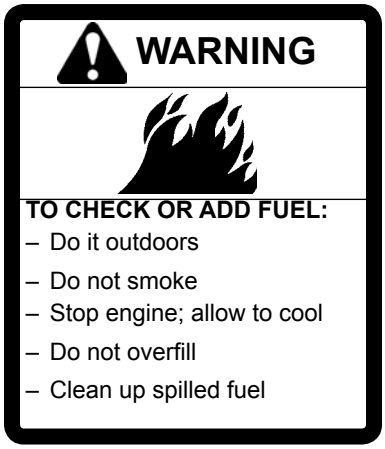


PRE-OPERATION CHECK LIST OWNER'S RESPONSIBILITY

- Review and follow all safety rules and safety decal instructions.
- Check that all safety decals are installed and in good condition. Replace if damaged.
- Check to make sure all shields and guards are properly installed and in good condition.
- Check that all hardware is properly installed and secured.
- Check to be sure engine is free of dirt and debris. Pay particular attention to the cooling fins, governor parts and muffler. Clean air intake screen. Check air cleaner; service as necessary.
- Check all lubrication points and grease as instructed in manual.
- Check that there are no exposed underground utilities in the work area.

FUELING-Gasoline is extremely flammable and highly explosive under certain conditions. BE SURE to install fuel cap after fueling.

- Fill fuel tank with good quality, clean, unleaded regular petrol (gasoline) to the level recommended by the engine manufacturer.
- Use a funnel to avoid spilling.



BEFORE STARTING THE ENGINE

- Read the operator manual and engine manual.
- Be familiar with all controls, how each functions and what each operates.
- Check the engine oil level and add if necessary. Follow the engine manufacturers recommendations per the engine manual supplied with the machine
- Open the fuel valve.
- Check that bag is securely in place.
- Select the height of the nozzle.

STARTING THE ENGINE

1. Open the fuel valve.
2. Move the switch to the "ON" position.
3. Move the choke lever to the "CHOKE" position for cold starts. (Choke may not be required to start a warm engine. Too much choke use may flood the engine and cause hard starting.)
4 Move the throttle to midway between the fast and slow positions.
5. Pull the recoil starter slowly until resistance is felt, then pull firmly to start the engine.
6. After the engine starts, slowly back the choke off until the engine runs with no choke at all.
7. Set the desired engine speed with the throttle.

STOPPING THE ENGINE

1. Drive machine to level ground and release the bail.
2. Engage the Lock Out Mechanism.
3. Move the engine switch to the "OFF" position.

VACUUMING

1. Adjust nozzle to select height by turning the nozzle control knob and secure position with wing nut.

2. Start the engine and release the dump valve.

3. Release lock out mechanism.

4. Push bail forward to move vaccum forward and pull back to move in reverse.

Examples of items suitable to be vacuumed:

-leaves
-small twigs
-acorns
-seed pods
-grass clippings
-straw
-wood chips
-dry mulch
-litter
-thistles
-small cans
-paper products
-styrofoam products

Examples of items/areas to avoid.

-excessively wet surfaces and debris
-gravel surfaces
-large hard objects
-rocks
-long fibrous materials (vines, ropes, string, etc.)

Do not force anything in to the vacuum. If an item is too large to fit, pick it up separately.

EMPTY DEBRIS BAG

1. Turn off the engine by moving the throttle to the "SLOW" position. Turn the engine switch to the "OFF" position. Let the engine come to a complete stop.

2. Roll vacuum to the level unloading location.

3. Open the clasp on band clamp to release bag.

4. Avoid dragging the bag to prolong the bag life.

5. Empty the bag. Handle straps are located on the under side of the bag for aid in dumping content..

6. Reconnect the bag to the collector.

REMOVING BLOCKAGES / CLOGS

1. Turn off the engine by moving the throttle to the "SLOW" position. Turn the engine switch to the "OFF" position. Let the engine come to a complete stop.

2. Remove spark plug wire.

3. Remove bag and/or hose and clear the blockage. Wear gloves as there may be sharp materials in the clog.

4. Reinstall the bag and/or hose.

5. Reconnect spark plug wire.

MAINTENANCE

WARNING

Stop the engine and remove spark plug wire before performing any maintenance.

When replacement parts are required, use genuine Schiller Grounds Care, Inc. parts or parts with equivalent characteristics, including type, strength and material. Failure to do so may result in product malfunction and possible injury to the operator and/or bystanders.

Carbon monoxide present in the exhaust is an odorless and deadly gas. Never start or run the engine where exhaust fumes can collect. Provide enough fresh air to keep fumes from getting too strong.

Replace any warning decals that become illegible immediately.

DAILY MAINTENANCE

After each use, run the vac with an empty bag to clear any material that may remain in the housing.

BELTS

- Check condition of belts for damage or wear.
- Replace broken, worn, or damaged belts.

1. Make sure the engine is off, spark plug is removed, and before checking belts.

2. Remove any debris such as leaves, grass, sticks or other build up that might cause a fire or damage.

3. Inspect the belt and pulleys for damage or wear that could cause problems. Replace damaged or worn parts with Schiller Grounds Care, Inc. parts.

HARDWARE

- Tighten any hardware (nuts, bolts, etc) that are found loose.
- Replace any broken or missing hardware (nuts, bolts, cotter pins, etc.).
-
-

GUARDS

- Check condition of guards for damage or wear.
- Replace broken, worn, or damaged guards.

ENGINE

See engine manual for air cleaner service intervals and servicing procedure.

Keep the engine's cooling air intake clear of debris for best performance.

Clean air cleaner daily. See engine manual for details.

OIL

Check oil level daily. Top off as needed.

Change engine oil after the first 5 hours of operation. Then change as recommended by the engine manufacturer.

1. Remove the drain plug and drain oil while engine is warm.

2. Replace the drain plug,remove fill plug and fill with new oil. Little Wonder recommends SAE 30 oil whenever applicable.

3. Wipe off any oil on unit.

4. Start and run engine for 30 seconds. Stop engine.

5. Wait 30 seconds, then re-check oil level.

6. Top off as necessary. See engine manual for details.

7. Check the transmission tank level daily. Add 20W-50 if necessary.

⚠ WARNING

Before performing any type of maintenance on the machine, stop engine, wait for all parts to stop moving and disconnect spark plug. Failure to follow this instruction could result in personal injury or property damage.

FAN REMOVAL AND INSTALLATION

TOOLS REQUIRED

- 1/2" Wrench
- 9-16" torque wrench and wrench
- 1-1/8" wrench (if fan seized onto crankshaft)
- 3/4-16 x 5" long grade 5 or better bolt (if fan seized on crankshaft)
- Loctite Silver LB 8150 anti-seize compound
- Red loctite 263
- Loctite 380 instant adhesive (if necessary)
-

INSTRUCTIONS:

1. Remove spark plug wire from spark plug and turn fuel shutoff to the "OFF" position if applicable to model. Always ensure the fan is not moving before performing any maintenance.

2. Remove nozzle shroud nuts using a 1/2" wrench, and remove nozzle shroud.

3 Remove the bolt that secures the fan to the engine crankshaft using a 9/16" wrench.

4. If the fan does not slide off the crankshaft, the fan has a 3/4-16 nut welded on fan hub. Use a 1-1/8" wrench to turn a 3/4-16 x 5" long grade 5 or better bolt inot the nut to jack or push the fan off the engine.

5. Clean crankshaft internal threads with degreaser Use compressed air and a clean rag to remove degreaser and any metal fragments on internal threads.

6. Apply Loctite Silver LB8150 anti-seize compound to the crankshaft.

7. Replace damaged or worn fan **3** and key **4**. If the key is hard to position, reinstall it by applying a few drops of Loctite 380 instant adhesive on the key, and put the key in the keyway of the shaft. (Cure time is approximately 1 minute).

8. Slide spacer **2** onto new bolt **1** in orientation shown under illustrated parts list on next page.

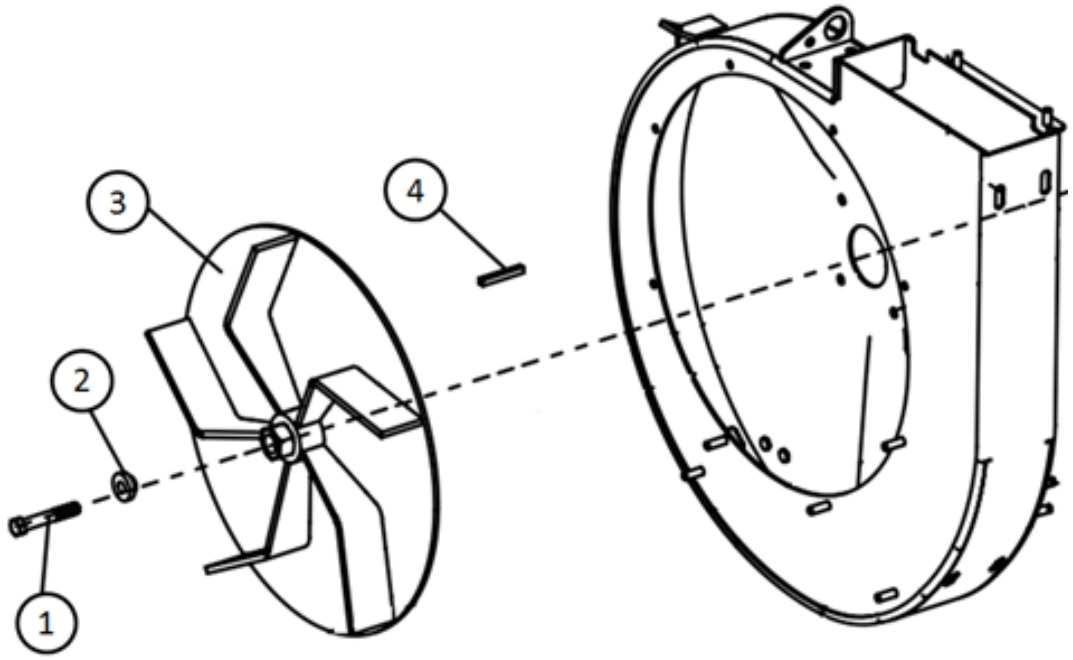
9. Apply Red Loctite 263 to the entire length of the external threads on new bolt. Do not re-use the old bolt.

10 Torque bolt to 57-63 ft-lbs. using a 9/16" torque wrench.

11. Reinstall nozzle shroud and tighten nuts using a 1/2" wrench.

12. Reattach spark plug wire to spark plug.

16. After installation, wait 24 hours before starting machine Loctite must fully cure before the machine is used..



Item	Part No.	Description	Kit Number for Part	QTY
1	64123-127	BLT-HEX3/8-24 X 1-3/4 GR 8	4176328	1
2	910527	WASHER-FANP	4176328	1
3	600114	FAN ASSY LV 6 HP	4176328	1
4	64164-13	KEY-1/4" SQ X 2" LG	4176328	1

STORAGE

To prevent possible explosion or ignition of vaporized fuel, do not store equipment with fuel in tank or carburetor in an enclosure with open flame (for example, a furnace or water heater pilot).

DAILY STORAGE

1. Stop the engine and engage the parking brake.
2. Check engine oil level and air filter element.
3. Close fuel valve located below air cleaner to keep fuel from draining into engine.
4. Remove any material stuck under the deck.

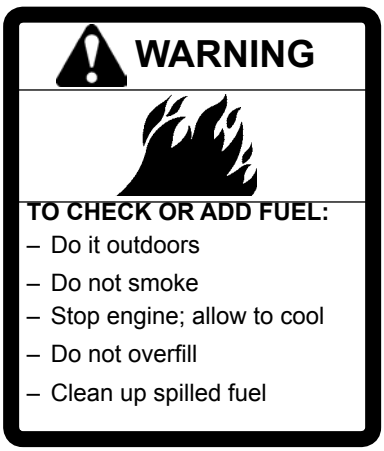
EXTENDED STORAGE

Before the equipment is put into storage for any period exceeding 30 days:

1. Drain all fuel from the fuel tank and fuel lines.
2. Start the engine and run until all the fuel is used from the carburetor float bowl.
3. While the engine is still warm drain the oil. Refill with the proper weight oil corresponding to what the engine manual says.
4. Lubricate all lubrication points.
5. Clean and oil cutting blades to prevent rust.

To put equipment into operation after an extended storage:

1. Check for loose parts, tighten if necessary.
1. Fill fuel tank with clean fresh fuel.
2. Check oil level and add if necessary.
3. Check fuel lines and system for leaks. Repair any leaks before operating
4. Start the engine and proceed to operate for the intended use.



TROUBLESHOOTING	
COMMON PROBLEMS	**COMMON CAUSES**
ENGINE WILL NOT START. (Check the Engine Manual for more details.)	• Refer to the section “Operation” in this manual to verify engine starting procedure. • Check the spark plug connection. • Check that throttle lever is set to the “FAST” position and the choke is “ON”. • Check the level of fuel • Check fuel valve is “ON”.
ENGINE STARTS BUT DOES NOT RUN PROPERLY OR HAS NO POWER. (Check the Engine Manual for more details.)	• Make sure the throttle lever is not set to the slow setting or the choke still in the “ON” position. • Turn the machine off and check the air filter. If it is dirty clean or replace it according to the Engine Manual. • Check the oil level in the engine. Add if necessary. If the oil is too full drain the oil to the proper level. • Check to make sure there is enough fuel. Also make sure the fuel is not old, dirty or the machine has not been stored beyond a month with the same fuel in it. • If the engine still has problems contact your dealer for service.
ENGINE HAS SMOKE COMING FROM IT. (Check the Engine Manual for more details.)	• Check to make sure the machine is not running on “CHOKE” • Check to make sure the oil is not overfilled. • Check the air filter for debris and clean if necessary. • Check the engine for debris build up around the exhaust system. **MAKE SURE THE ENGINE HAS HAD THE PROPER TIME TO COOL BEFORE TOUCHING HOT PARTS.** • If there is still smoke coming from the engine contact the nearest dealer for service.
ENGINE RUNS AND STARTS BUT THE MACHINE WILL NOT GO FORWARD OR IN REVERSE.	• Check that the free wheel lever is pulled out. • Check to make sure the direction lever is being pressed far enough down or pulled up to make the machine move. • With the engine off and check the transaxle belt is not broken or fallen off the pulley. Replace belt if necessary. • Make sure nothing is lifting the machine up off the wheels.
MACHINE IS DIFFICULT TO GET INTO REVERSE OR FORWARD.	• Check linkage for free operation.
THE BELT IS FRAYED OR KEEPS COMING OFF THE PULLEY.	• Check the pulley to make sure it is free from damage such as a nick or crack. If the pulley feels rough call a dealer for service and a replacement pulley. • Check the belt for wear and damaged spots. If there are signs of damage or wear on the belt, replace with the correct type of belt. • Check the belt tension. If V-belts are under tensioned, they can slip. Slippage generates heat and will result in cracking and belt failure. Properly tensioning and aligning a belt drive will allow the belt drive to perform at it’s maximum level. If belts are over-tensioned, belt and bearing life can be reduced. • If the belt and pulley appear to be in good condition, contact your dealer for service.

EC Declaration of Conformity

4171087 REV A

The Undersigned Manufacturer:
Schiller Grounds Care, Inc.
1028 Street Rd.
Southampton, PA 18966

Kurt Knudsen
Director of Operations
Date: 30th July 2014

EU Authorized Representative:
Earlsmere Limited
Unit 18 Valley Road
Station Road Industrial Estate
Wombwell, Barnsley, South Yorkshire, S73 OBS UK

Jim White
Managing Director
Date: 30th July 2014

Declare that the machine described below:

Make & Type	Little Wonder Self-Propelled Lawn Vacuum
Category	Lawn Vacuum
Model	5612-12-59
Engine	Honda GX270
Speed	3600 RPM
Net installed power	6.3 kW (8.5 HP)

Complies with the provisions of the following European Directives and Amendments and the Regulations transposing it into national law.

Machinery Directive	2006/42/EC
EMC Directive	2004/108/EC
Noise in the Environment Directive	2000/14/EC
Vibration Directive	2002/44/EC
Non Road Emissions	2004/26/EC

Sound levels were determined in accordance with Directive 2000/14/EC (Annex V) and standards EN/ISO 3744:2010.

Sound:

Guaranteed Sound Power Level.....108dB	Model 5612-12-59
Sound Pressure.....95dB	Model 5612-12-59

Vibration:

Hand/arm vibration was measureed at the right and left operator handles as per ISO 5349-1-2001 and ISO 5349-2-2001. Only the highest of the left and right readings in given. Levels were calculated using ISO/SID 5395-1, in accordance with 2002/44/EC.

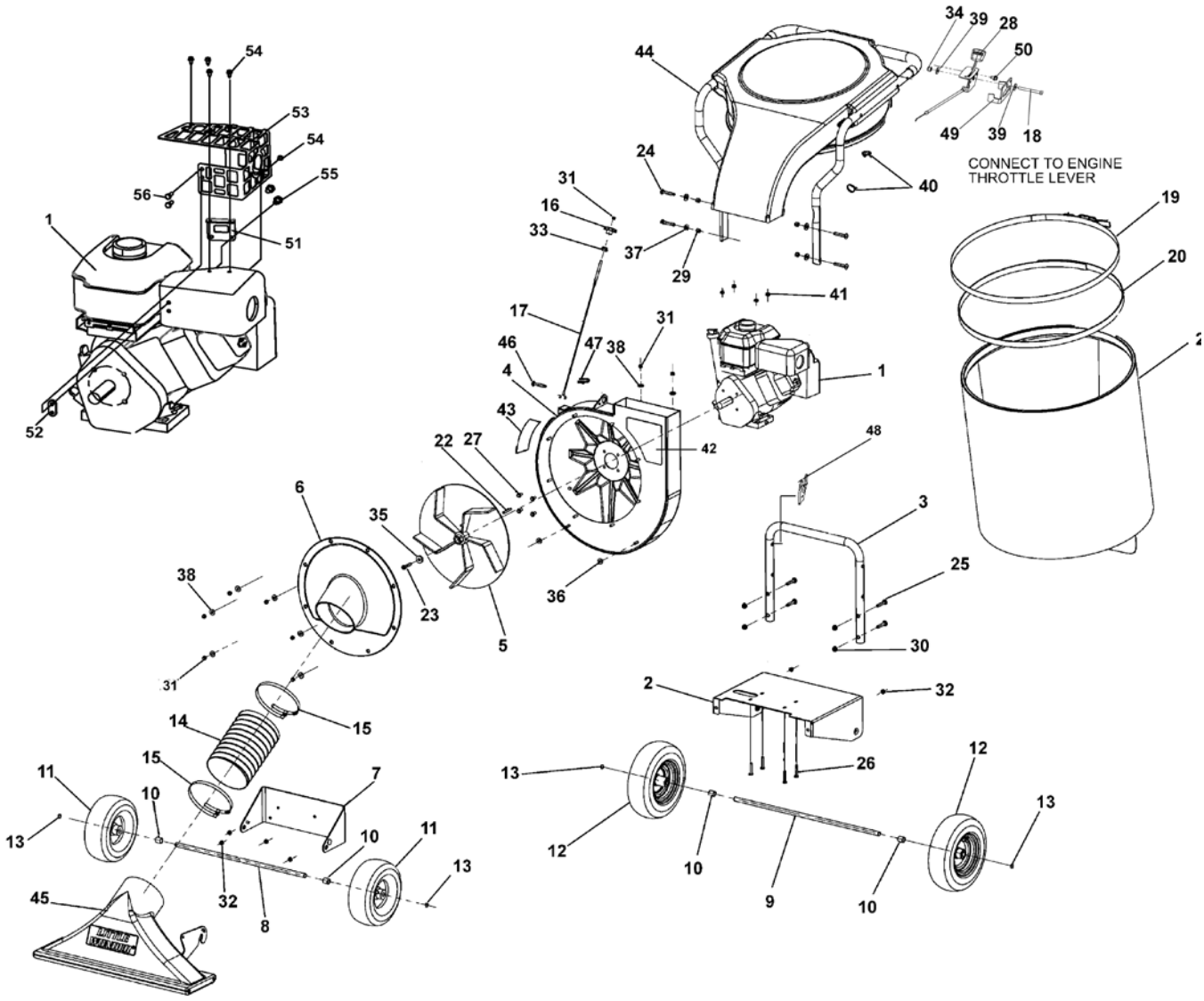
Guaranteed Vibration Level:.....6.5 m/s² Model 5612-12-59

Intended Use and Limits:
This machine is intended for the vacuuming and collection of lawn and pavement debris.

PARTS SECTION

LITTLE WONDER PRO VAC

FIGURE 1

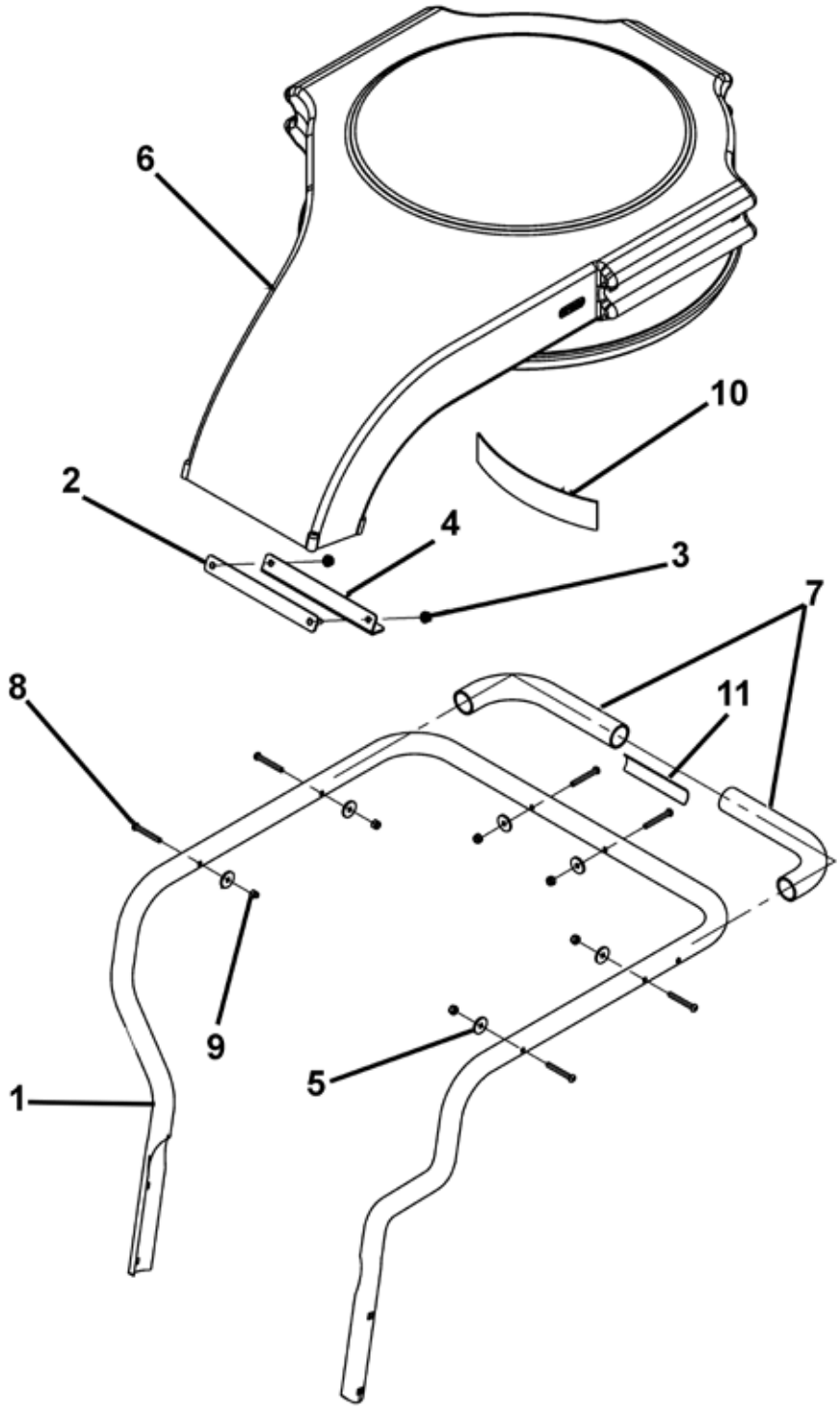


LITTLE WONDER PRO VAC

FIGURE 1

ITEM	PART NO.	DESCRIPTION	QTY
1	4166004	ENGINE-6.5 HP VANGUARD	1
2	600180.17	DECK-HPV, 6 HP	1
3	600184.17	HANDLE MOUNT	1
4	4171304	S-HOUSING VAC CE	1
5	600114	IMPELLER-BALANCED	1
6	600198	PLATE-FRONT	1
7	600182.17	BRACKET-FRONT WHEELS	1
8	600297	AXLE-FRONT	1
9	600298	AXLE-REAR	1
10	600137	SPACER-WHEEL	4
11	4164205	WHEEL-10"	2
12	4164204	WHEEL-12"	2
13	600562	RETAINING RING E 5/8	4
14	600102	HOSE-NOZZLE	1
15	720420	BRIDGE CLAMP-HOSE	2
16	600162	KNOB-NOZZLE CNTRL	1
17	4165925	CABLE-NOZZLE VAC	1
18	64123-113	BOLT-HEX,1/4-20 X 2-1/4	1
19	600176	CLAMP-BAND	1
20	600196	BAG-SEAL STRAP	1
21	600177	DEBRIS BAG	1
22	64164-13	KEY-1/4" SQ X 2" LG	1
23	64123-127	BOLT-3/8-24 X 1-3/4	1
24	600504	BOLT-CRG 3/8-16 X 2-1/4	4
25	64018-18	BOLT-CRG 3/8-16 X 2	4
26	64262-009	BOLT-FLGHD 5/16-18 X 1-1/2	4
27	910503	BOLT-5/16-24 X 3/4	4
28	4166366-01	CABLE-THROTTLE	1
29	64229-03	LOCKNUT-3/8-16	4
30	64141-4	NUT-FLANGE 3/8-16	4
31	64229-02	LOCKNUT-5/16-18	9
32	64141-6	NUT-FL 5/16-18	6
33	64214-01	NUT-WING 5/16-18	1
34	64229-01	LOCKNUT-1/4-20	1
35	910527	WASHER-FAN	1
36	64163--46	WASHER-3/8 ID X 3/16 TH	4
37	64163-31	WASHER-3/8	4
38	64163-29	WASHER-25/64x1x12GA	10
39	64163-55	WASHER-1/4	4
40	720411	CABLE TIE-11-5/8 BLK	2
41	64268-02	NUT-NYLON LOCK 5/16-18	4
42	4171001	LABEL-INTAKE WARNING	1
43	4167414	LABEL-WARNING MANUAL	1
44	600101	ASSY-COLLECTOR	1
45	600100	ASSY-NOZZLE	1
46	64188-65	PIN-CLEVIS 1/4X.62	1
47	64168-2	COTTER-HAIRPIN .08X1.19	1
48	4166365.17	WLDMT-ROPE GUIDE	1
49	4166661.7	BRKT-THROTTLE, VAC	1
50	64152-23	SCREW-SP 1/4-20 X 3/8	1
51	4166384.7	BRKT-MUFFLER GUARD	1
52	4166383.7	SPACER-MUFFLER GUARD	1
53	4166382.7	GUARD-MUFFLER B&S	1
54	64152-56	SCREW-HS STAP #12X1/2	5
55	64205-013	BLT-METRIC M6-1X12	2
56	64205-021	BLT-METRIC M6-1X16	2

FIGURE 2



LITTLE WONDER PRO VAC

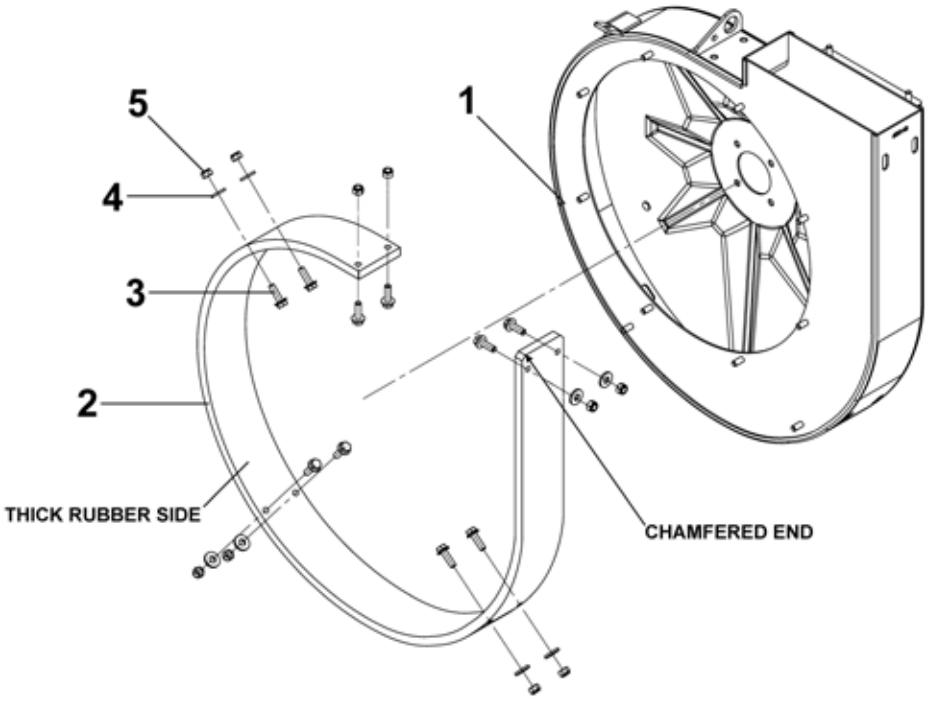
COLLECTOR ASSEMBLY

FIGURE 2

ITEM	PART NO.	DESCRIPTION	QTY
1	4167564	S-HANDLE eu	1
2	600142.7	FLANGE CLAMP PLATE	1
3	64141-6	NUT-5/16-18	2
4	600138.7	FLANGE ANGLE COLLECTOR	1
5	64163-34	WASHER-1/4 COLLECTOR	6
6	600101	DISCHARGE COLLECTOR	1
7	600153	GRIP	2
8	600509	BOLT-BUTTON1/4-20 X 2	6
9	644229-01	LOCKNUT-1/4-20	6
10	600161	HOOK STRIP	1
11	4165567	LABEL-VAC BAG WARN	1

ITEM	PART NO.	DESCRIPTION	QTY

FIGURE 3



LITTLE WONDER PRO VAC

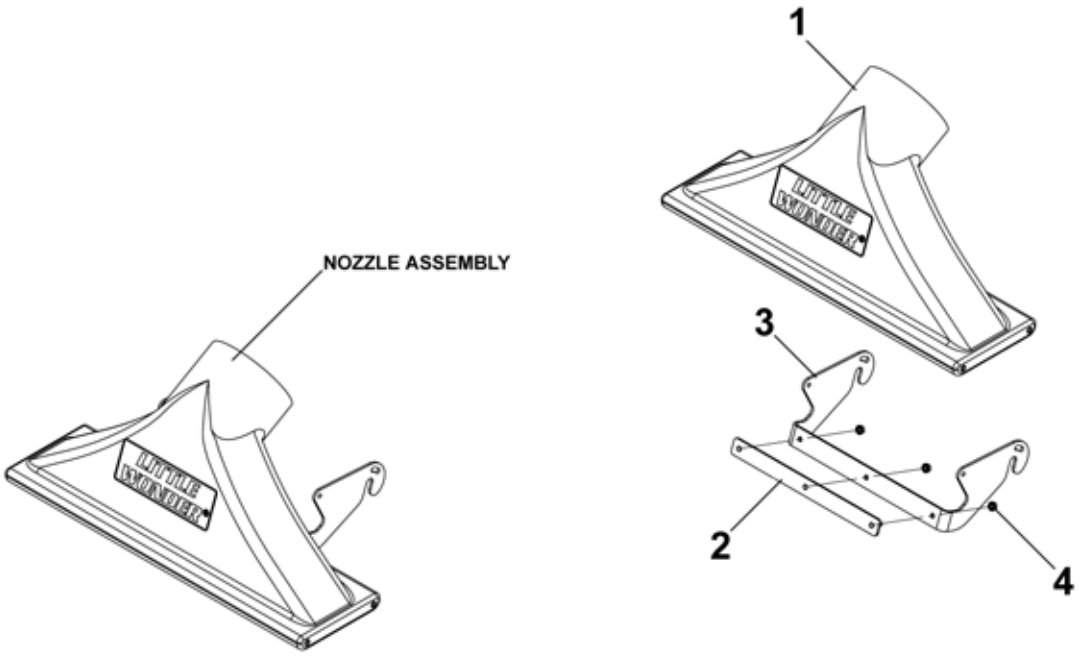
LINER ASSEMBLY

FIGURE 3

ITEM	PART NO.	DESCRIPTION	QTY
1	4171304	S-HOUSING ASSY CE	1
2	600175	LINER	1
3	720592	BOLT-5/16-18 X 1	10
4	64163-29	WASHER-25/64 X 1 X 12GA	8
5	64229-02	LOCKNUT-5/16-18	10

ITEM	PART NO.	DESCRIPTION	QTY

FIGURE 4



LITTLE WONDER PRO VAC

NOZZLE ASSEMBLY

FIGURE 4

ITEM	PART NO.	DESCRIPTION	QTY
1	600100	NOZZLE	1
2	600133.7	ASSY-NOZZLE CLMP PLATE	1
3	600183.17	BRKT-NOZZLE VER. 2"	1
4	64141-6	NUT-FL 5/16-18	3

ITEM	PART NO.	DESCRIPTION	QTY

Little Wonder Warranty Statement

Limited Warranty

Products Covered by This Warranty	LENGTH OF WARRANTY: FROM DATE OF ORIGINAL PURCHASE		
	PRIVATE RESIDENTIAL	*COMMERCIAL*	*RENTAL*
Hydro Brush Cutter	2 years	2 years	2 years
BedShaper®	2 years	2 years	2 years
Pro Edger	1 year	1 year	1 year
Pro Crack Cleaner	1 year	1 year	1 year
Electric Hedge Trimmer	2 years	2 years	2 years
Gas Hedge Trimmer	5 years	5 years	5 years
AgVac	2 years	2 years	2 years
TruckLoaders (All)	2 years	2 years	2 years
Pro Vac	2 years	2 years	2 years
C5 Blower	2 years	90 days	90 days
Optimax® Blower	5 years	5 years	5 years

Little Wonder products are warranted against defects in materials and workmanship for a period of time shown in the above table from the date of purchase from an authorized dealer by the original purchaser only, and under the following terms and conditions. Schiller Grounds Care's responsibility under this limited warranty is restricted to repairing or replacing, at its option, any covered part found to be defective in material or workmanship during the warranty period. All parts replaced under warranty will be considered as part of the original product and any warranty on the replaced parts will expire coincidentally with the original product warranty.

SCHILLER GROUNDS CARE, INC. MAKES NO EXPRESS OR IMPLIED WARRANTIES, REPRESENTATIONS, OR PROMISES EXCEPT THOSE CONTAINED HEREIN. THERE ARE NO OTHER WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. ALL WARRANTIES OTHER THAN THE EXPRESS WARRANTY SET FORTH ABOVE ARE SPECIFICALLY DISCLAIMED. THE DURATION OF ANY IMPLIED WARRANTY, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IS LIMITED TO THE DURATION OF THIS WRITTEN LIMITED WARRANTY.

To Obtain Warranty Service - Warranty service must be performed by an authorized Little Wonder dealer. To locate a dealer, please visit: www.littlewonder.com and click on FIND A DEALER. For further assistance, write or email the Technical Services Department of Schiller Grounds Care

Schiller Grounds Care, Inc.
1028 Street Road
Southampton, PA 18966
techservicesupport@schillergc.com

ABOUT YOUR WARRANTY

The warranty period begins on the date of purchase by the original retail or commercial customer from an authorized Little Wonder dealer and is not transferable. Warranty service must be performed by an authorized Little Wonder dealer. If a warranty replacement becomes necessary, the authorized dealer must be prepared to provide the physical component for verification (freight prepaid) upon request from Schiller Grounds Care. Warranty service will be performed without charge to the purchaser for parts will be required to substantiate any warranty claim. Without proof of the initial purchase date from an authorized dealer, the manufacturing date of the product will be used to establish the warranty period.

Little Wonder Warranty Statement

EXCLUSIONS

This warranty only covers defects in materials or workmanship.

Engines and Other Manufacturers - Schiller Grounds Care makes no warranty with respect to engines or engine parts such as spark plugs, lubricants, starters, filters, and carburetors. The engine warranty is covered by the engine manufacturer. Consult the Operator's Manual for the engine provided with your product or ask an authorized dealer for the terms and conditions of these warranties. Schiller Grounds Care makes no warranty with respect to other parts not of its manufacture such as tires, batteries, gearboxes, or similar. These other parts may be covered by the warranties of their respective manufacturers.

Wear Items - This limited warranty does not cover damages or defects from normal wear and tear. This limited warranty does not include routine maintenance and normal maintenance parts, including but not limited to tires, batteries, transmissions, clutches, friction disks, blades, belts, chains, cables, hoses, bearings, non-metal liners, bags, or zippers.

Negligence and Improper Maintenance or Repair - This limited warranty does not cover any equipment that has been subject to lack of reasonable and proper maintenance, misuse, lack of proper storage, or accidents. This limited warranty does not cover any damage to the equipment that is caused by a freight carrier or is the result of failure to follow the operating instructions within the Owner's Manual. This limited warranty does not cover any defects due to repairs, modifications, or alternations made to the product by anyone other than Schiller Grounds Care or its authorized dealers. In addition, this limited warranty does not cover repairs made necessary due to a lack of proper protection during storage. This limited warranty does not cover damage caused by the use of parts, supplies, or accessories, including, without limitation, filters, spark plugs, carburetors, ignition, drive belts, brakes, gasoline, fuel, oil, or lubricants, which in the reasonable judgment of Schiller Grounds Care, are either incompatible with the product, adversely affect its operation, performance, durability or are other than as recommended in the Operator's Manual or other operational instructions provided by Schiller Grounds Care.

Improper Use - This limited warranty does not cover any Little Wonder Product, part, or accessory that (i) has been subject to misuse, abuse, neglect, negligence, or accident, or that has not been assembled, operated, or maintained in accordance with the operating or maintenance instructions specified in the Operator's Manual; or (ii) has been altered or modified so as to adversely affect its operation, performance or durability, or that has been altered or modified in ways not approved by Schiller Grounds Care. To the extent permitted by law, neither Schiller Grounds Care nor any company affiliated with it makes any warranties, representations, or promises as to the quality, performance, or freedom from defect of the Little Wonder Product, part, or accessory covered by this limited warranty. The authorized dealer makes no warranty of its own and such dealer has no authority to make any representation, warranty, or promise on behalf of Schiller Grounds Care or to modify the terms or limitations of this limited warranty in any way.

Other Exclusions - This limited warranty does not include reconditioned, refurbished, used, or demonstration equipment. This limited warranty excludes failures due to acts of nature beyond the manufacturer's control.

Extended Warranty - Schiller Grounds Care disclaims responsibility for any separately purchased extended warranty. ALL WARRANTIES OTHER THAN THE EXPRESS WARRANTY SET FORTH ABOVE ARE SPECIFICALLY DISCLAIMED. THE DURATION OF ANY IMPLIED WARRANTY, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IS LIMITED TO THE DURATION OF THIS WRITTEN LIMITED WARRANTY.

Disclaimer of Consequential Damage - Schiller Grounds Care disclaims any responsibility for incidental or consequential damages including, but not limited to, the expense for gasoline, the expense of delivering the product to an authorized service dealer, the expense of returning the product to the purchaser, mechanic's travel time, telephone charges, rental of a like product during the repair timeframe, travel, loss of revenue, loss of time, or inconvenience. SCHILLER GROUNDS CARE, INC. DISCLAIMS ALL LIABILITY FOR INDIRECT, INCIDENTAL, AND/OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH THE USE OF THE LITTLE WONDER PRODUCTS COVERED BY THIS LIMITED WARRANTY. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS AND/OR DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

MAY 2022