LITTLE WONDER

PRO VAC SP

MODEL:

5612-12-01

OPERATOR'S / PARTS MANUAL

MAN 4170471

Rev. E

⚠ WARNING

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

CALIFORNIA

Proposition 65 Warning

Battery posts, terminals, wiring insulation, and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **WASH HANDS AFTER HANDLING.**

LITTLE WONDER PRO VAC SP

IMPORTANT MESSAGE

On behalf of everyone at Little Wonder, we would like to thank you for your purchase of a Little Wonder PRO VAC SP. This PRO VAC SP was designed to the highest standards to ensure 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 vacuum.

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 Grounds Care 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.

S SCHILLER GROUNDS CARE

Model	Serial Number
XXXXXXX	XXXXXXXXXX

Schiller Grounds Care, Inc.
1028 Street Road
Southampton, PA 18966

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

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

MACHINE PREPARATION

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. 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.

- Avoid contact with and inhalation of harmful fluids, gases, mists, fumes and dust.

_ Wear 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.

– 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.

MULTIPLE OPERATORS

– Keep a safe distance between operators when working together.

MACHINE PREPARATION

– 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.

– Keep hands away from the vac 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.

⚠ WARNING

- 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.

LITTLE WONDER PRO VAC SP

UNPACKING THE UNIT

1. Remove uprights from box.
2. Lift box off pallet.
3. Cut off tiedowns.
4. Roll VAC off of the pallet.

ASSEMBLY (See Figures on page 10)

1. 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 two holes in the adjustment bracket such that it will close tightly over the collector.

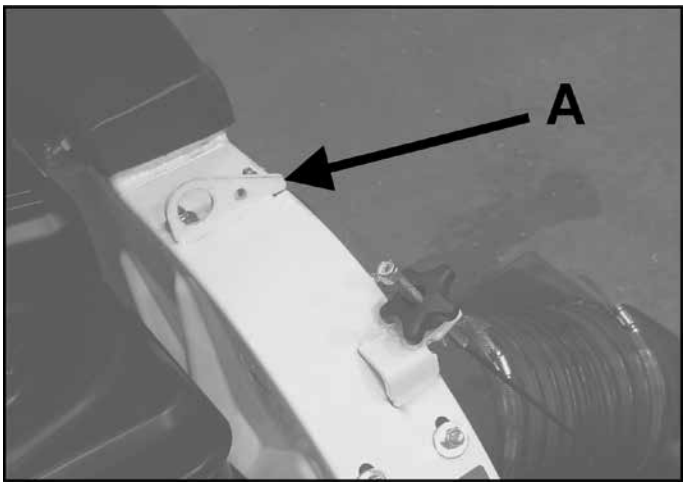
2. Connect the **debris bag** by placing it over the bottom lip of the **collector** and closing the clasp to secure the bag. Adjust the clasp wire form to the appropriate hole position on the bracket to ensure a tight fit. If the bag will not fit tight within the range of the three adjustment holes, 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.

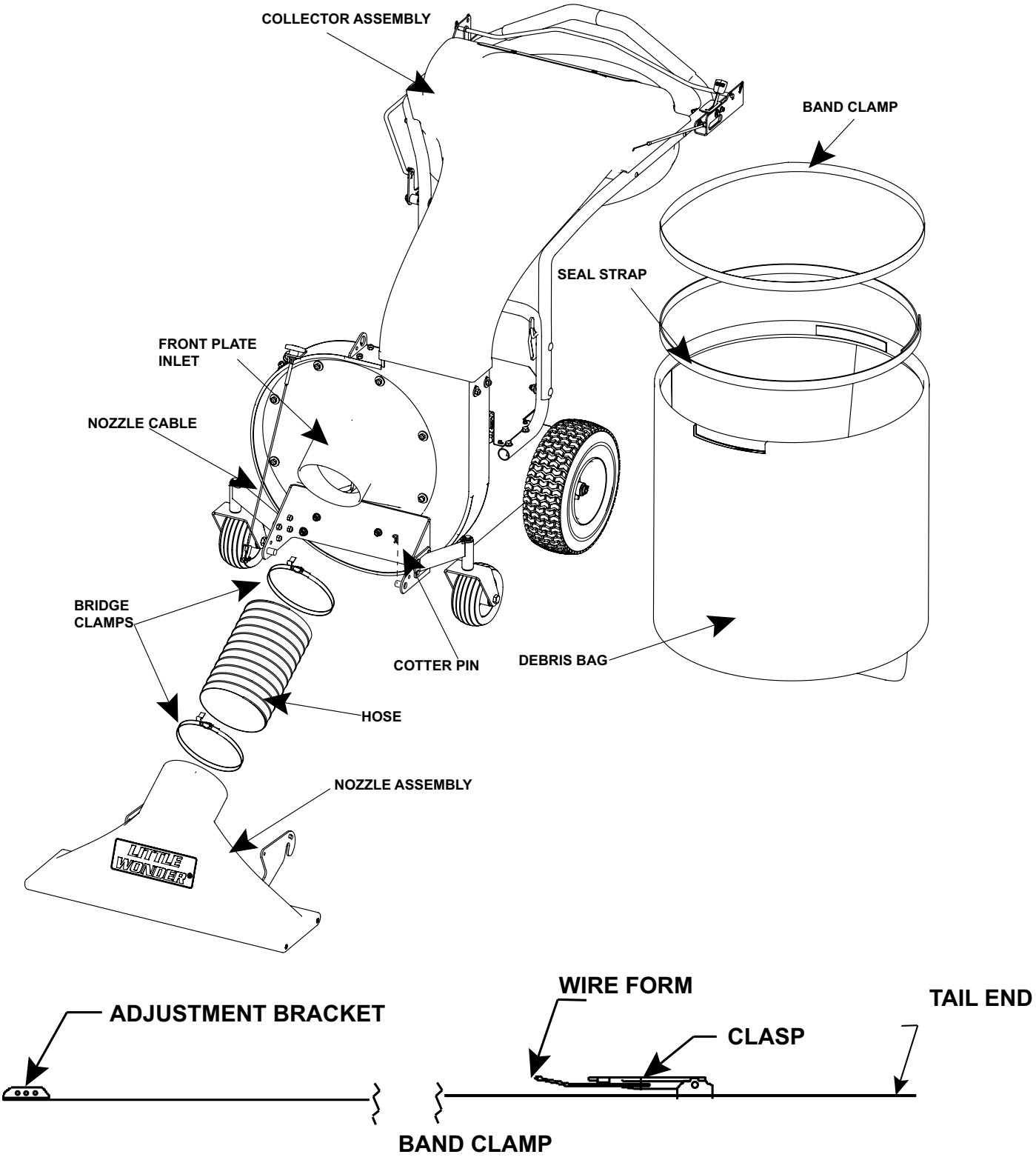
3. Attach **nozzle assembly** to base unit:
   - •Attach one end of the **hose** to the nozzle assembly with the **bridge clamp.**
   - •Slide the other end of the **hose** over the edge of the inlet on the **front plate.**
   - •Remove cotter pins from front sheel bracket. Hook one side of the **nozzle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

4. 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.
   - •Remove the **cotter pins** on the front wheel bracket. 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. Re insert the **cotter pins** on the front wheel bracket.

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.




COLLECTOR ASSEMBLY
BAND CLAMP
SEAL STRAP
FRONT PLATE INLET
NOZZLE CABLE
BRIDGE CLAMPS
COTTER PIN
DEBRIS BAG
HOSE
NOZZLE ASSEMBLY
LITTLE WONDER
ADJUSTMENT BRACKET
WIRE FORM
TAIL END
CLASP
BAND CLAMP

THROTTLE (A)

Controls engine speed and vacuum suction level.

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 with the 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.

ENGINE SWITCH (F)

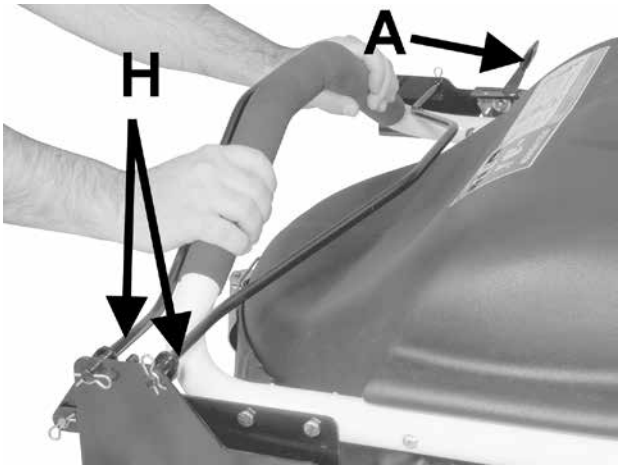
Move to the “OFF” position to stop the engine. Move to the “ON” position before starting engine.

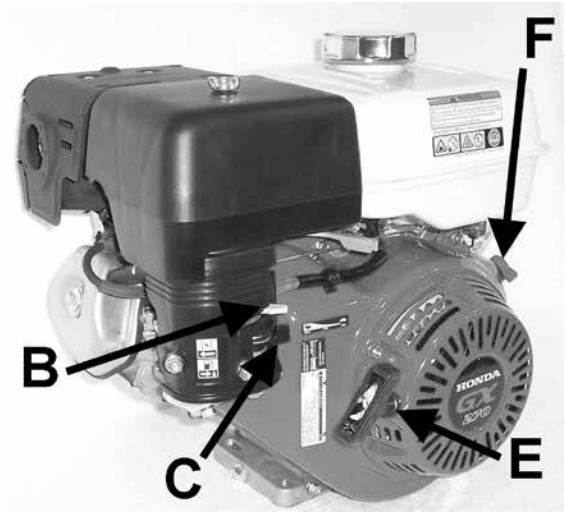
FREE WHEEL ROD (G)

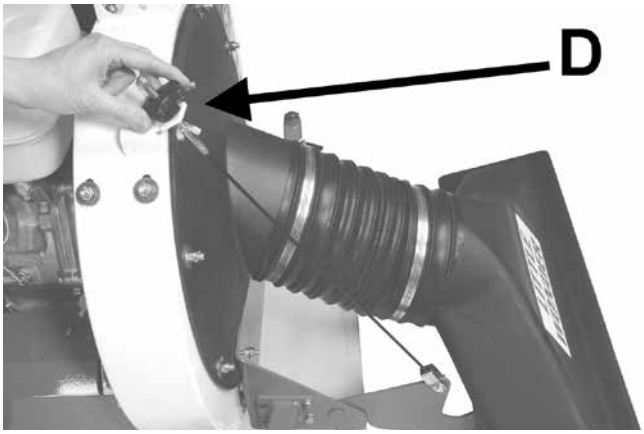
Pull the free-wheel rod until the enlarged boss comes through the keyhole on the free-wheel bracket, then slide the rod down the slot to latch it to free wheel or push the machine without the engine running. Raise the rod until the enlarged boss pops back behind the bracket to engage the transmission.

BAIL (H)

Push the bail towards the handle to move the vacuum forward. Pull the bail back to move in reverse.







BEFORE STARTING THE ENGINE

1. Read the Operator Manual and Engine Manual. Become familiar with the controls, how each functions, and what it operates.

2. Check the engine oil level and transaxle fluid level. Add if necessary.

3 Fill the fuel tank with good quality, clean, unleaded regular gasoline (petrol). Use a funnel to avoid spilling.
4. Check that the bag is securely in place.

5. 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.

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. 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 INSTRUCTIONS

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

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

Keep all hardware tight.

Clean air cleaner daily. See engine manual for details.

Check oil level daily. Top off as needed.

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

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

1. Remove drain plug and drain oil while engine is warm.
2. Replace drain plug, remove fill plug and fill with new oil. Little Wonder recommends SAE 30 oil whenever applicable.
3. Start and run engine for 30 seconds. Stop engine.
4. Wait 30 seconds, then re-check oil level.
5. Top off if necessary. See engine manual for details.
6. Check the transmission tank level daily. Add 20W-50 if necessary.

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).

Before the equipment is put into storage for any period exceeding 30 days, the following steps should be completed.

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 and the engine stops.
3. While the engine is still warm, drain the crankcase oil and replace with the proper weight oil corresponding to the season the equipment will be next used.
4. Remove the spark plug and squirt a small amount of engine oil into the cylinder. Slowly pull the starter a few times to distribute oil in the cylinder and reinstall the spark plug.
5. Top off if necessary. See engine manual for details.

To put the equipment into service after an extended period of storage.

1. Check for loose parts and tighten if necessary.
2. Fill the fuel tank and then check the engine oil level.
3. Start the engine and check for fuel leaks. Repair any leaks before operating the unit.

⚠ 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
- 5/8" 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 5/8" 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. Install the spacer **5** on the crankshaft prior to installing the key. 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.

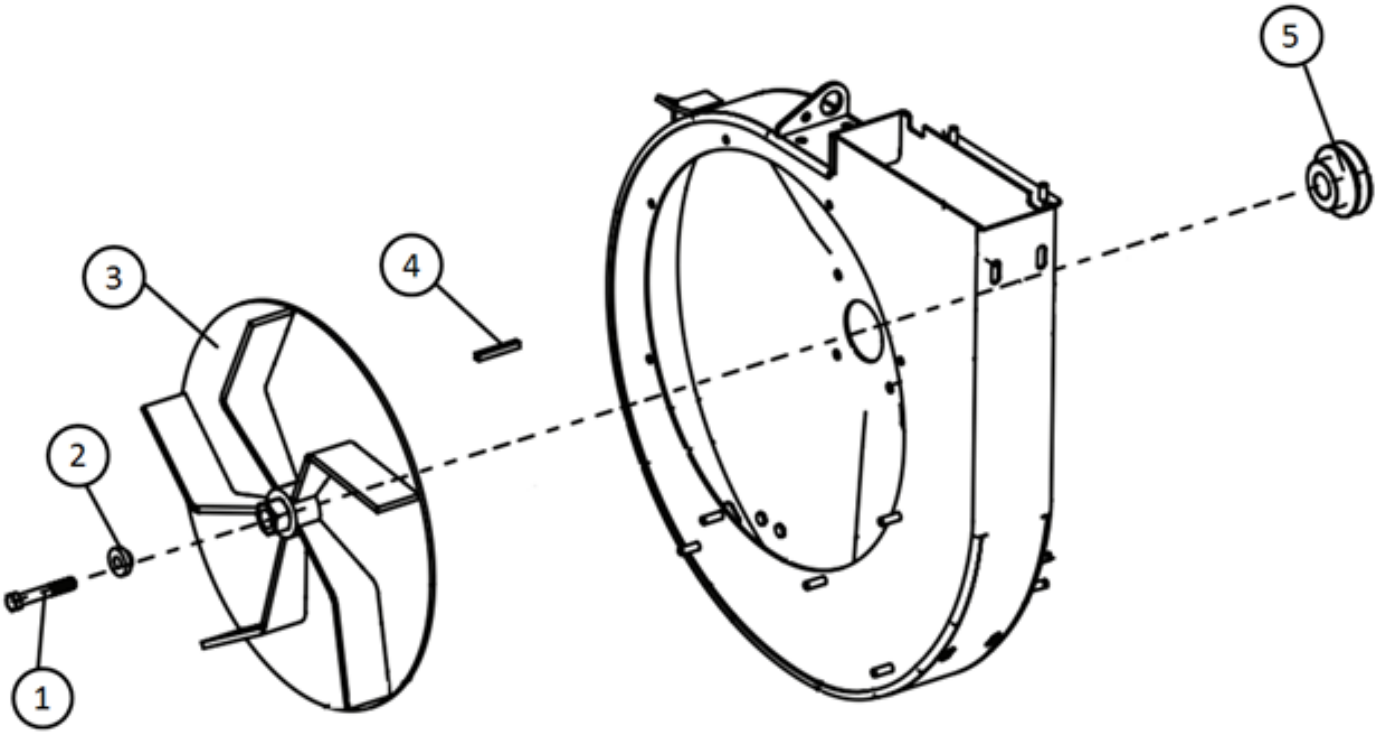
9. Apply Red Loctite 263 to the entire length of the external threads on new bolt. Do not re-use the old bolt.

10 Torque bolt to 50-90 ft-lbs. using a 5/8" 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..



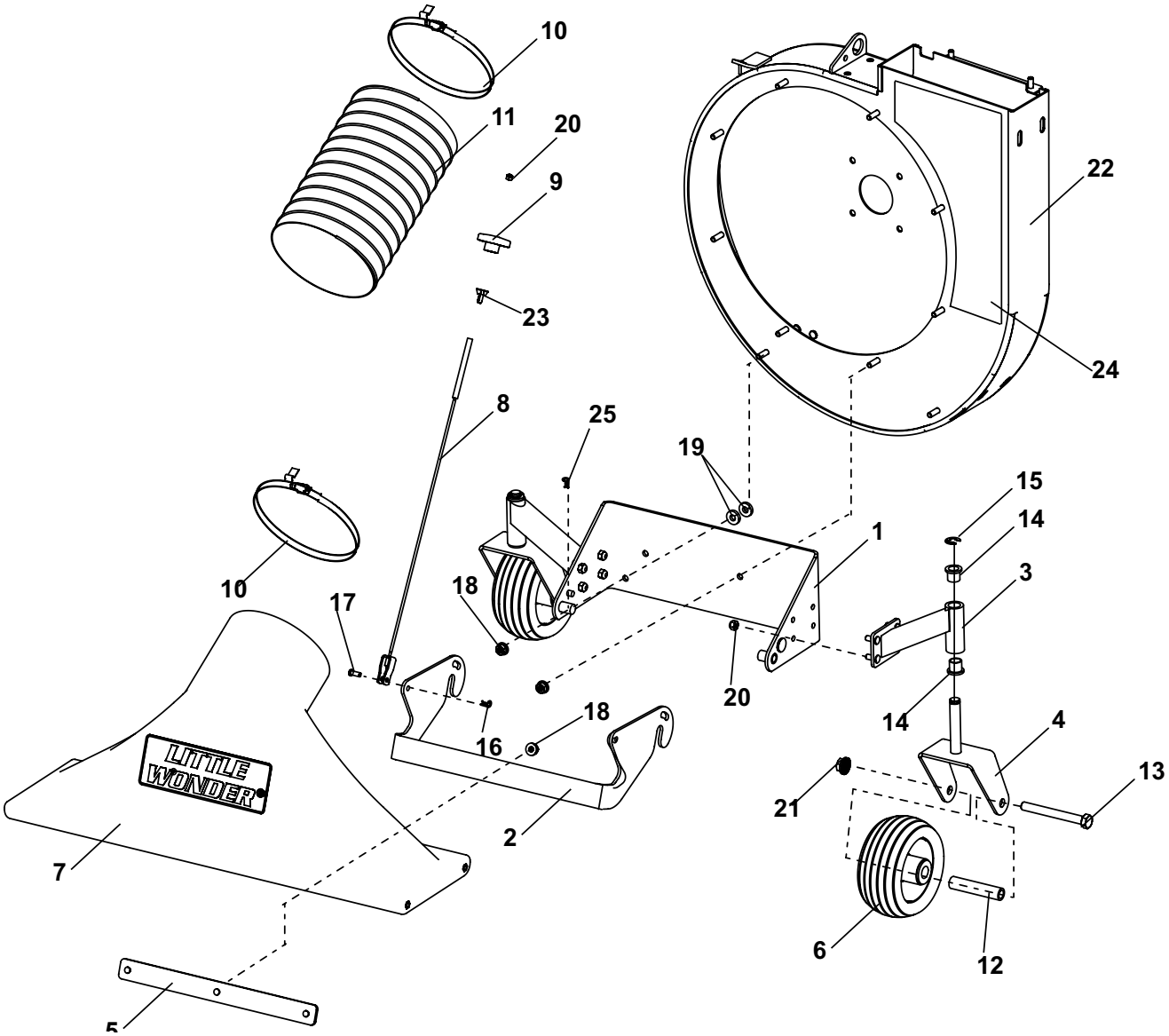
Item	Part No.	Description	Kit Number for Part	QTY
1	64123-307 (SP ONLY)	BLT-HEX 7/16-20 X 2-3/4 GR 8	4177219	1
2	4168981 (SP ONLY)	SPACER HONDA FAN - PROVAC SP	4177219	1
3	600114	FAN ASSY LV 6 HP	4177219	1
4	64164-13	KEY-1/4" SQ X 2" LG	4177219	1
5	4168840 (SP ONLY)	SPACER HONDA .85 SP	4177219	1

PARTS SECTION

NOZZLE / FRONT WHEEL ASSEMBLY

FIGURE 1

LITTLE WONDER PRO VAC SP



LITTLE WONDER PRO VAC SP

NOZZLE / FRONT WHEEL ASSEMBLY

FIGURE 1

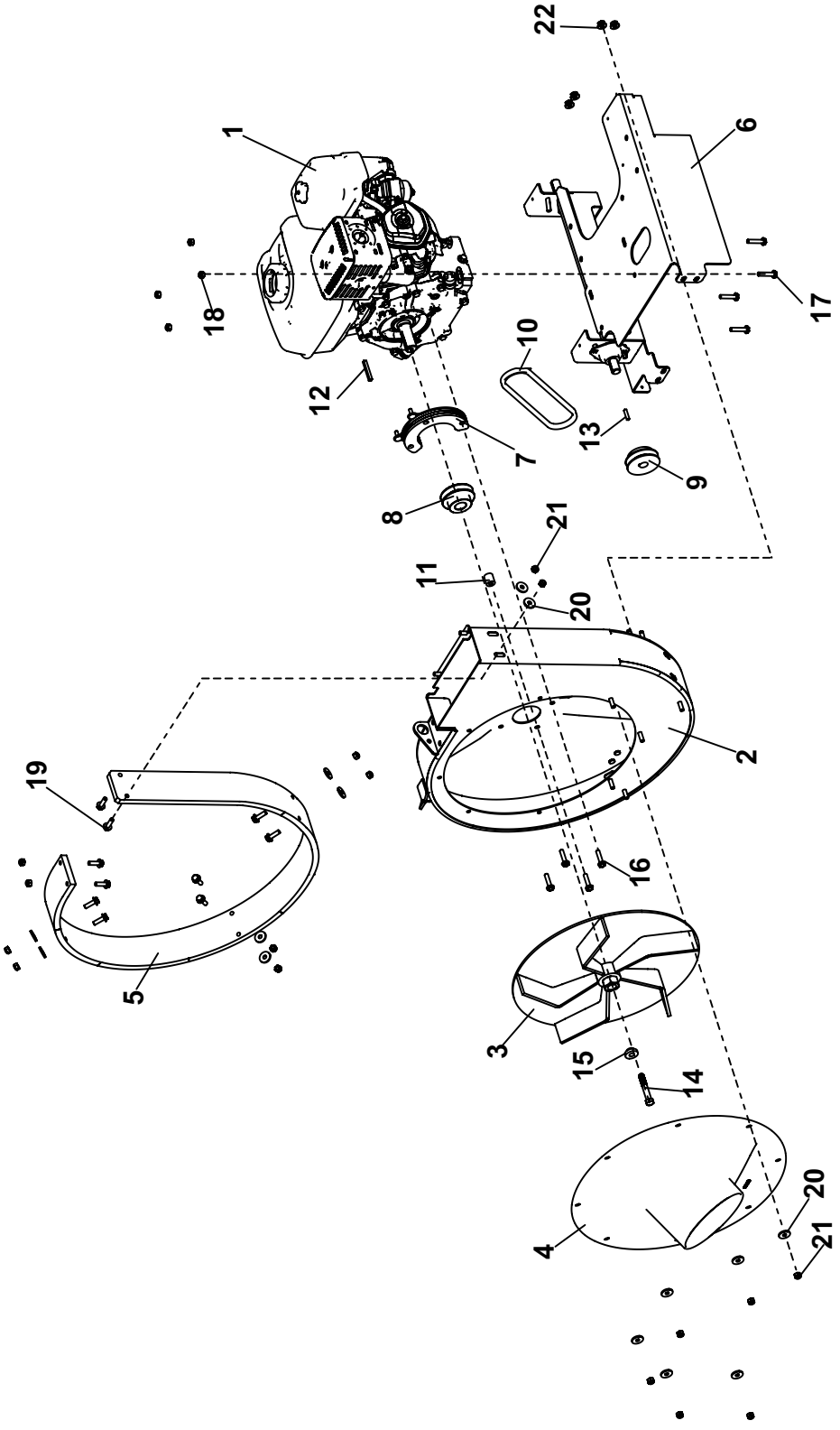
ITEM	PART NO.	DESCRIPTION	QTY
1	4169692.17	WLDMT - BRACKET FRONT	1
2	600183.17	NOZZLE BRACKET	1
3	4169483.17	CASTER SUPPORT	2
4	4169484.17	CASTER YOKE - PRO VAC	2
5	600133.7	ASSY-NOZZLE CLAMP PLA	1
6	4170312	CASTER WHEEL 6.25X3	2
7	600100	NOZZLE	1
8	4165925	CABLE-VAC NOZZLE	1
9	600162	KNOB, 5/16-18, FEMALE	1
10	720420	14” HOSE CLAMP	2
11	600102	HOSE, 7”D x 11” LG	1
12	50-104	AXLE CASTER WHEEL	2
13	64123-286	BLT-HEX 1/2-13 X 4-1/2	2
14	600287	BUSHING, FLANGED	4
15	600562	RETAINING RING E 5/8	2
16	64168-2	COTTER-HAIRPIN .08X1.19	1
17	64188-65	PIN CLEVIS 1/4X.62	1
18	64141-6	NUT-WLF 5/16-18	7
19	64163-46	WSHR.383/.393X.88X7GA	4
20	64229-02	NUT-NYLON LOCK 5/16-18	9
21	64141-13	NUT WLF 1/2-13	2
22	4170636	S- HOUSING PROVAC SP	1
23	64214-01	NUT-WING 5/16-18	1
24	4170467	LABEL VAC HOUSING	1
25	C500092	PIN, HAIR PIN COTTER	2

ITEM	PART NO.	DESCRIPTION	QTY

FAN ASSEMBLY

FIGURE 2

LITTLE WONDER PRO VAC SP



LITTLE WONDER PRO VAC SP

FAN ASSEMBLY

FIGURE 2

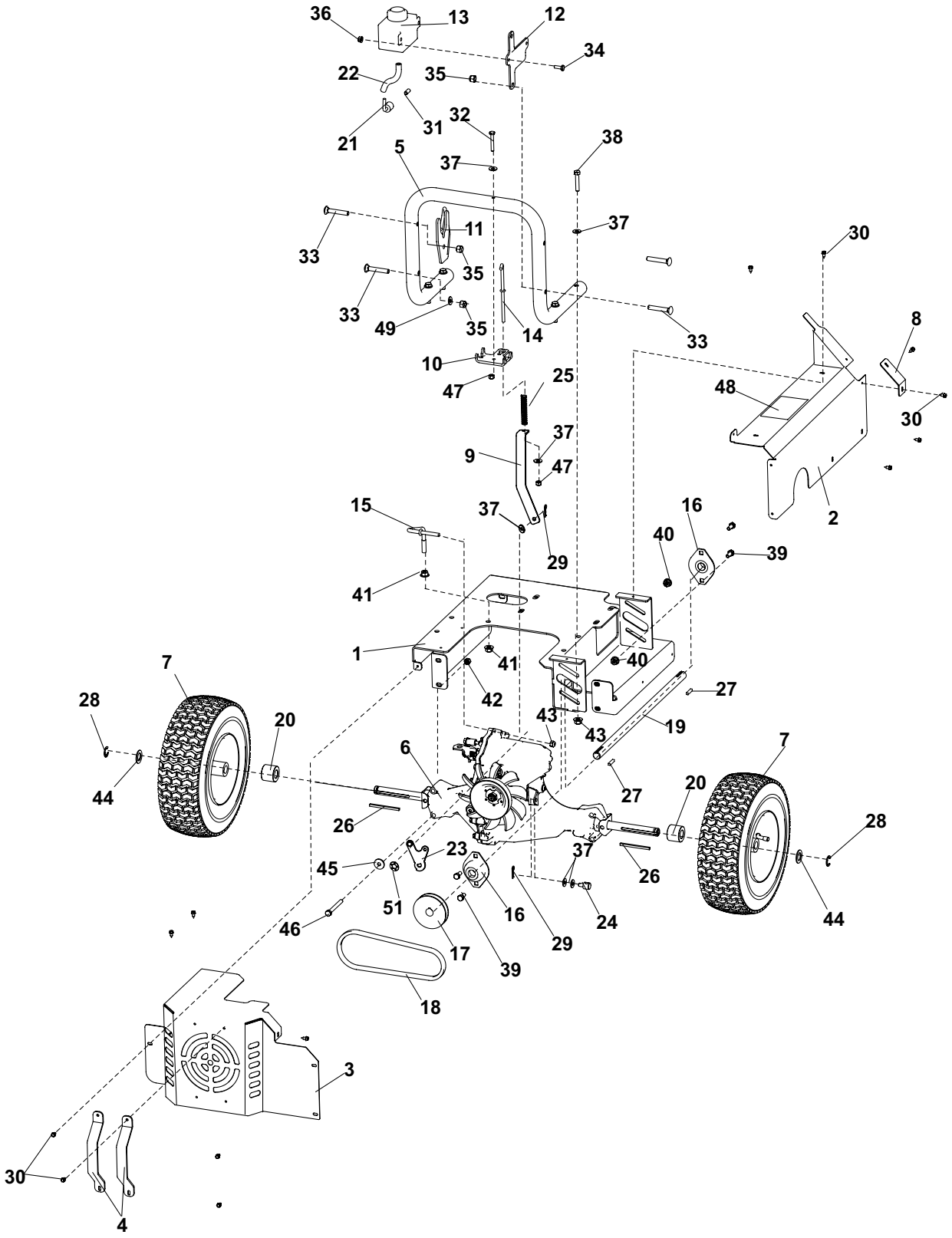
ITEM	PART NO.	DESCRIPTION	QTY
1	4166074	ENGINE-HONDA GX270	1
2	4170636	S-HOUSING PROVAC	1
3	4177219	S-FAN, PUSH PROVAC	1
4	600198	FRONT PLATE	1
5	600175	LINER	1
6	4168849.17	WLDMT DECK - PRO VAC SP	1
7	4168845.10	WLDMT SPACER HONDA	1
8	4168843	SHEAVE ENGINE	1
9	4168957	PULLEY AK 28 - PROVAC SP	1
10	4168956	BELT 4L260 - PROVAC SP	2
11	4168840	SPACER HONDA .85 SP	1
12	64164-13	KEY 1/4 X 2 SQ	1
13	64164-02	KEY 3/16 X 1 SQ	1
14	64123-307	BLT-HEX 7/16-20 X 2-3/4 GR 8	1
15	4168981	SPACER HONDA FAN	1
16	910517	BOLT-WLF 5/16-24 X 1-3/8	4
17	64262-009	BOLT-WLF 5/16-24 X 1-3/8	4
18	64268-02	NUT-FL NYLON LOCK 5/16-18	4
19	720592	5/16-18” x 1” GR 5 HEX BOLT	10
20	64163-29	WSHR-21/64 X 1 X 11GA	14
21	64229-02	NUT-NYLON LOCK 5/16-18	14
22	64141-6	NUT-WLF 5/16-18	4

ITEM	PART NO.	DESCRIPTION	QTY

MAIN FRAME ASSEMBLY

FIGURE 3

LITTLE WONDER PRO VAC SP



LITTLE WONDER PRO VAC SP

MAIN FRAME ASSEMBLY

FIGURE 3

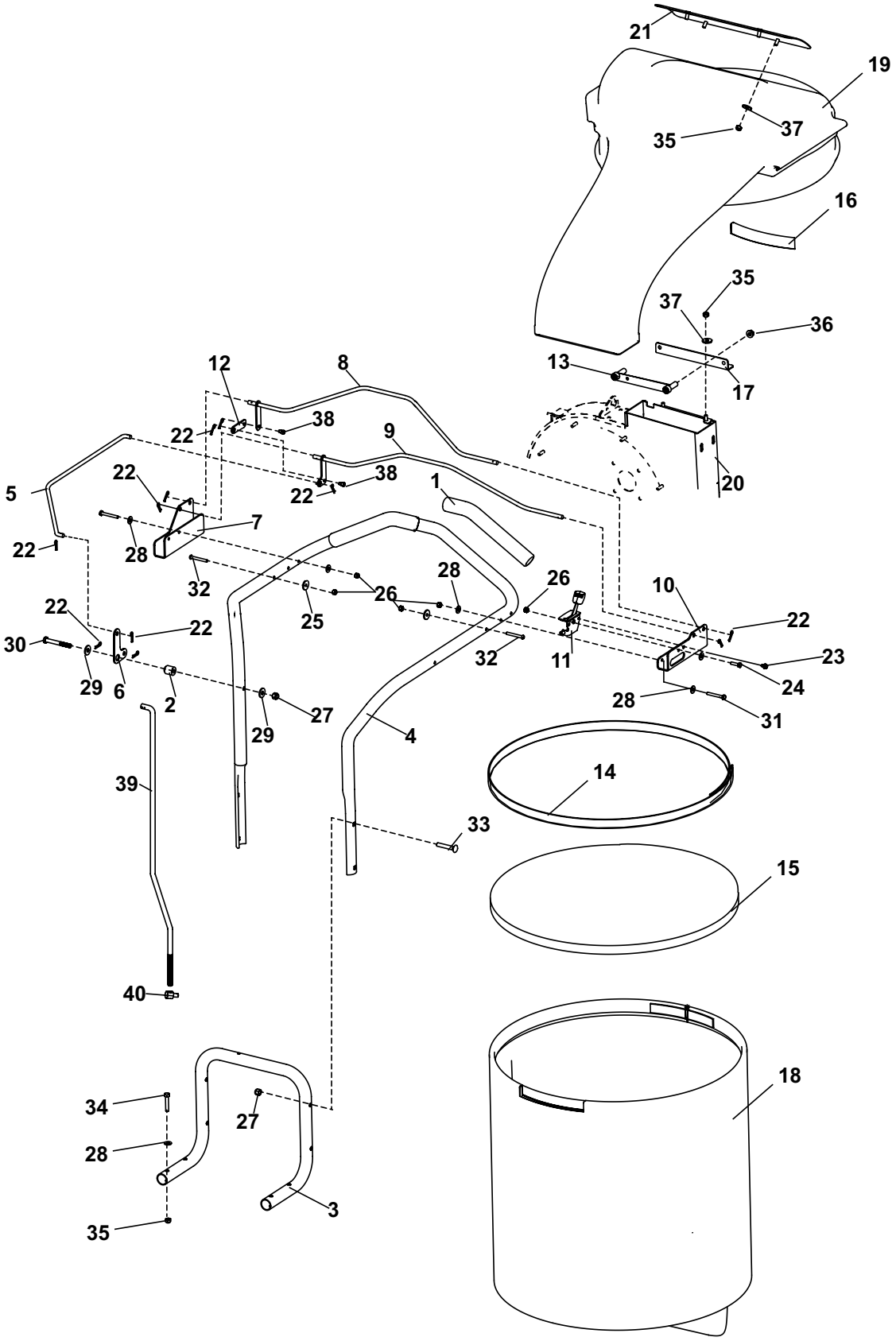
ITEM	PART NO.	DESCRIPTION	QTY
1	4168849.17	WLDMT DECK	1
2	4170637	S-SIDE GUARD	1
3	4168851.17	REAR GAURD	1
4	4169476.17	DECK AIR SPACER	2
5	4168832.10	HANDLE LOWER	1
6	4168866	TRANSAXLE HYDRO T2	1
7	4168949	WHEEL 13X5-6 KEYED	2
8	4169691.17	BELT GUARD	1
9	4173474.7	FREEWHEEL LINK	1
10	4168846.7	BRACKET FREEWHEEL	1
11	4166365.17	WLDMT-ROPE GUIDE	1
12	4168968.7	BRACKET TRANS TANK	1
13	4168962	TANK TRANSMISSION	1
14	4175958	ROD-PULL FREEWHEEL	1
15	4170481	TRANS MOUNT LINK	1
16	4168958	BEARING FLANGE .75	2
17	4168961	PULLEY AK32	1
18	4168956	BELT 4L260	2
19	4168844	SHAFT TRANSMISSION	1
20	C300150	SPACER-1.5X .765X 1.223	2
21	4169744	FITTING - JIC 90 1/4 BARB	1
22	22173	HOSE - TRANSMISSION	1
23	4167405.7	WLDMT-FREE WHEEL LVR	1
24	33103	SWIVEL	1
25	2720544	SPRING-COMPRESSION	1
26	64164-41	KEY-3/16 X 3 SQ	2
27	64164-02	KEY 3/16 X 1 SQ	2
28	64221-08	E-RING .750	2
29	64168-2	COTTER-HAIRPIN .08X1.19	2
30	64152-56	SCREW-HS STAP #12X1/2	16
31	4169743	HOSE ADPTR, SAE7/16-20	1
32	64123-283	BLT-HEX 1/4-20X1-3/4	1
33	600504	BOLT, CRG, 3/8-16x2-1/4,	3
34	64123-89	BLT-HEX 1/4-20X3/4	2
35	64229-03	NUT-NYLON LOCK 3/8-16	3
36	64141-2	NUT-WLF 1/4-20	2
37	64163-55	WSHR .328X.75X14 GA	11
38	64123-61	BLT-HEX 5/16-18X1-3/4	4
39	64123-54	BLT-HEX 5/16-18 X .75	4
40	64141-6	NUT-WLF 5/16-18	4
41	64141-4	NUT-WLF 3/8-16	2
42	64268-02	NUT-FL NYN LOCK 5/16-18	8
43	64229-02	NUT-NYLON LOCK 5/16-18	5
44	64163-06	WSHR .768/.756X1.25X14G	2
45	64163-29	WSHR-21/64 X 1 X 11GA	4
46	64123-55	BLT-HEX 5/16-18 X 3	4
47	64229-01	NUT-NYLON LOCK 1/4-20	2
48	4168760	LABEL-WARNING HAND	1
49	64163-31	WSHR 25/64X1X12	1
50*	720298	CLAMP-HOSE, GAS TANK	1
51	4177827	PUSHNUT, 3/8” ID	1

*NOT ILLUSTRATED

HANDLE ASSEMBLY

FIGURE 4

LITTLE WONDER PRO VAC SP



LITTLE WONDER PRO VAC SP

NOZZLE ASSEMBLY

FIGURE 4

ITEM	PART NO.	DESCRIPTION	QTY
1	600153	GRIP-HANDLE, LAWN VAC	2
2	4168839	STANDOFF TRACTION	1
3	4168832.10	HANDLE LOWER	1
4	4168831.10	HANDLE UPPER	1
5	4168837.7	TRACTION ROD UPPER	1
6	4168848.7	BELLCRANK	1
7	4168834.7	BRACKET BAIL RT	1
8	4169477.7	WLDMT-BAIL FORWARD	1
9	4169480.7	WLDMT-BAIL REVERSE	1
10	4168835.7	BRACKET BAIL LT	1
11	4166170-04	CABLE-THROTTLE	1
12	4169482.7	BAIL LINK	1
13	600142.7	FLANGE CLAMP PLATE	1
14	600176	CLAMP-BAND,DEBRIS BAG	1
15	600196	BAG SEAL STRAP	1
16	600161	HOOK STRIP	1
17	4168955.17	FLANGE COLLECTOR	1
18	600177	DEBRIS BAG	1
19	4168954	DISCHARGE CHUTE	1
20	4168874.10	WLDMT - HOUSING	1
21	4170638	S-PLATE WARN PROVAC	1
*	4170109	LABEL-CHUTE WARN & OP	1
22	64168-2	COTTER-HAIRPIN .08X1.19	12
23	64152-23	SCREW-SP 1/4-20X3/8	1
24	64123-114	BLT-HEX 1/4-20 X 1	1
25	64163-34	WSHR.256/.267X1X11GA	2
26	64229-01	NUT-NYLON LOCK 1/4-20	8
27	64229-03	NUT-NYLON LOCK 3/8-16	5
28	64163-55	WSHR .328X.75X14 GA	14
29	64163-31	WSHR 25/64X1X12	3
30	64123-75	BLT-HEX 3/8-16 X 3	1
31	64123-60	BLT-HEX 1/4-20X2	4
32	600509	BOLT, BTN SHCS, 1/4-20 x 2”	4
33	600504	BOLT, CRG, 3/8-16 x 2-1/4	4
34	64123-61	BLT-HEX 5/16-18X1-3/4	4
35	64229-02	NUT-NYLON LOCK 5/16-18	10
36	64141-6	NUT-WLF 5/16-18	2
37	64163-29	WSHR-21/64 X 1 X 11GA	6
38	64188-85	PIN-CLEVIS, 1/4 X 1/2	2
39	4168836	TRACTION ROD LOWER	1
40	33103	SWIVEL	1

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, hydrostatic transmissions, transaxles, or other similar components. 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, hydrostatic transmissions, transaxles, 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.

AUG 2025