LITTLE WONDER®

monster

Truckloader

MODEL:
8143-03-01
14 HP SUBARU

SCHILLER GROUNDS CARE

PARTS / OPERATOR'S MANUAL

MAN 100110

Rev. B

Original Language Instructions

CALIFORNIA

Proposition 65 Warning

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

⚠ 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.**

TRUCKLOADER

IMPORTANT MESSAGE

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

This machine comes with an Operators / Parts Manual. The useful life and good service you receive from this machine depends to a large extent on how well you read and understand this manual. Treat your machine properly, lubricate and adjust it as instructed, and it will give you many years of reliable service.

Your safe use of this Little Wonder product is one of our prime design objectives. Many safety features are built in, but we also rely on your good sense and care to achieve accident-free operation. For best protection, study the manual thoroughly. Learn the proper operation of all controls. Observe all safety precautions. Follow all instructions and warnings. Do not remove or defeat any safety features. Make sure those who operate this machine are as well informed and careful in its use as you are.

See a Little Wonder dealer for any service or parts needed. Little Wonder service ensures that you continue to receive the best results possible from Little Wonder products. You can trust Little Wonder replacement parts because they are manufactured with the same high precision and quality as the original parts.

Little Wonder designs and builds its equipment to serve many years in a safe and productive manner. For longest life, use this machine only as directed in the manuals, keep it in good repair and follow safety warnings and instructions. You'll always be glad you did.

Little Wonder
1028 Street Rd.
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.

Little Wonder strongly warns against, rejects and disclaims any modifications, add-on accessories or product alterations that are not designed, developed, tested and approved by Little Wonder Engineering Department. Any Little Wonder product that is altered, modified or changed in any manner not specifically authorized after original manufacture–including the addition of "aftermarket" accessories or component parts not specifically approved by Little Wonder–will result in the Little Wonder 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 Little Wonder will be considered the responsibility of the individual(s) or company designing and/or making such changes. Little Wonder 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 Little Wonder 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

Schiller Grounds Care, Inc.

1028 Street Road
Southampton, PA 18966 U.S.A
Phone: 215-357-5110
Fax: 215-357-8045

MODEL NUMBER

SERIAL NUMBER

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

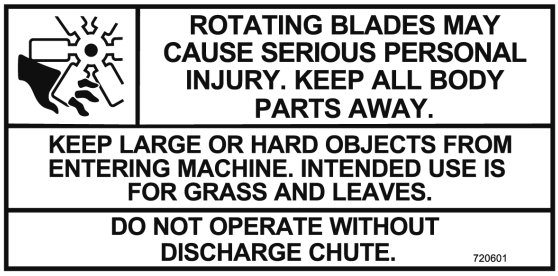
SERIAL NUMBER: This number appears only on your unit. It contains the model number followed consecutively by the serial number. Use this number when ordering parts or seeking warranty information.

PREPARING FOR SAFE OPERATION

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.
- Decals regarding safety and/or unit operations have been placed on parts of the machine. Adhere to the warnings and instructions depicted in these decals. Replace any missing or damaged labels.
- Become familiar with the safe operation of the equipment, operator controls and safety signs. Know how to stop the engine and attachments 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. Never attempt to use a machine that is damaged or has unauthorized modifications.
- Wear appropriate clothing, including gloves. Do not operate barefoot or when wearing open sandals. Long hair, loose clothing or jewelry may get tangled in moving parts.
- Wear hearing protection.
- Wear safety glasses.
- Wear a dust mask to avoid breathing dust.
- Never allow underage children, unskilled or improperly trained people to operate this equipment. Local regulations can restrict the age of the operator. Never allow to ride, sit or stand on machine.
- 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.
- The owner/user can prevent and is responsible for accidents or injuries occurring to themselves, other people or property.



Site preparation and circumstances

- If TruckLoader is mounted on a trailer, make sure that the driver of the towing vehicle has the operator of the TruckLoader in full view at all times.
- Check the area to be cleared of objects such as rocks, toys, wire or other debris that may be picked up or thrown by the machine.
- 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.
- Use machine only in daylight or in good artificial light.
- Evaluate the terrain to determine how to safely perform the job. Only use accessories and attachments approved by the manufacturer.

Machine preparation

- Do not tamper with or defeat safety devices. Keep guards and shields 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.
- Do not start machine until ready to use.
- Do not stand in front or behind machine. Operator MUST stay on the side of the machine.

OPERATION SAFETY

In general

- Use extra care when loading or unloading the truckloader onto a trailer or truck.
- Slow down and use caution when making turns and crossing roads and sidewalks.
- Do not run the engine in an enclosed area where dangerous carbon monoxide fumes can collect.
- While operating the machine, maintain a safe operating position, secure footing, and good balance at all times.
- Before operating, install intake hose and discharge chute.
- Keep a safe distance between two or more operators when working together simultaneously.
- Keep clear of the discharge opening at all times. Never direct the discharge toward a bystander. Stop operation if someone approaches.
- Never leave a machine unattended. Always turn off engine, set throttle to SLOW, switch is in OFF position, and fan has come to a complete stop before leaving machine.
- Maintain machine according to manufacturer's schedule and instructions for maximum safety and best results.
- Never look into the hose or discharge chute while machine is running. Never operate machine without intake hose attached properly.

Starting

- Start only according to instructions in this manual or on the machine.
- When starting the engine, make sure hands and feet are clear of the intake hose.
- Do not start the machine while standing in front of the discharge chute or with the chute directed at someone.
- Do not change engine governor settings or overspeed the engine. Operating the engine at excessive speed can increase the hazard of personal injury.

Interrupting operation

- Before leaving the operator's position:
  - Move throttle to the SLOW position.
  - Shut off the engine by moving the switch to the OFF position.
- Move the throttle to the SLOW position, turn key to the OFF position and wait till all moving parts have come to a complete stop.
  - before refueling;
- Move the throttle to the SLOW position, move switch to the OFF position, wait till all moving parts have come to a complete stop and disconnect the spark plug wire(s) or remove the key:
  - before clearing blockages or unclogging chute;
  - before checking, cleaning or working on the machine;
  - after striking a foreign object. Inspect the machine for damage and make repairs before restarting;
  - if the machine begins to vibrate abnormally: shut off machine immediately. Inspect and make repairs 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 to SLOW during engine shut-down. Move switch to the OFF position.

MAINTENANCE SAFETY

In general

- Maintain machine according to manufacturer's schedule and instructions for maximum safety and best results.
- Rotating Impeller: Do not attempt to remove materials from intake or discharge when truckloader is running or impeller is still rotating.
- Never allow untrained personnel to service machine.
- Adjust or repair only after the engine has been stopped and the fan has stopped rotating.
- Inspect truckloader components regularly. If worn, damaged or deteriorated, they may expose moving parts or allow objects to be thrown.
- Replace parts if worn, damaged or faulty. Have repairs made by a qualified Little Wonder dealer or repairman. For best results, always replace with parts recommended by the manufacturer(s).
- Turn off engine, set throttle to SLOW position, move switch to OFF position. Disconnect remove spark plug wire(s) before making any repairs.
- 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, battery compartment and fuel storage area free of grass, leaves, debris buildup or grease.

Rotating Impeller

WARNING

- Don't attempt to remove materials from intake or discharge when unit is running or impeller is rotating.
- Fan coasts after the engine is turned off.
- Only replace impeller. Never straighten or weld them.
- Keep other persons away from impeller.
- Caution should be used when clearing debris from inside the housing. Gloves should be worn as sharp edges on the impeller or in the debris may be present.

Fuel

WARNING

- Gasoline is flammable; 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.

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 gas 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.
- Replace caps on fuel cans and tanks securely.
- If fuel is spilled on clothing change it immediately.

ENGINE

- Don't run engine if there is an accumulation of debris around the muffler and cooling fins.
- Don’t run engine while electrical system causes spark outside the cylinder.
- Don't touch hot mufflers, cylinders or cooling fins as contact may cause serious burns.

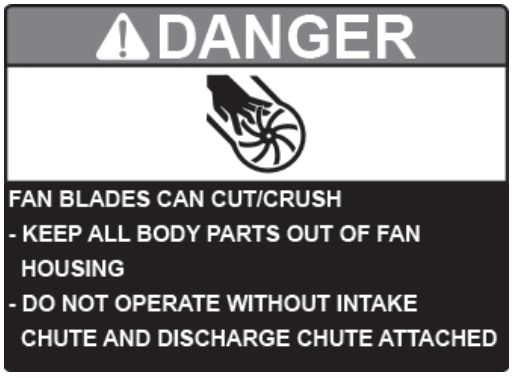
OIL

- EQUIPMENT IS SHIPPED WITHOUT OIL! Refer to engine manufacturers instruction manual for instructions on filling the oil.

STORAGE AND TRANSPORTATION

- 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 heating appliances with an open flame such as a water heater or an appliance with a pilot light.
- Keep 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.
- When not in use store indoors in a sheltered area (a dry place) where it is not accessible to children. DO NOT store in a house. Keep throttle in SLOW position and switch in the OFF position.

P/N MP100154



P/N MP100153

TRUCKLOADER

DEBRIS RECEPTACLE

The Truckloader is intended to be used in conjunction with a truck or trailer mounted debris receptacle to load landscape debris for removal from a work site to storage, dump or processing site. These receptacles or debris bodies or boxes are provided by the user and are the responsibility of the user.

Following are some considerations to keep in mind when designing / building, or buying a debris receptacle on a vehicle.

1. It must be road worthy.

2. It must be constructed sturdily enough to contain the high velocity and force of entering debris to prevent injury to bystanders and damage to property.

3. Sufficient screen area must be provided to allow the air produced by the truckloader to escape while containing the lighter debris. A bigger screen area reduces the speed of the air through the screen and helps reduce the amount of debris that will be held to the screen. The screen area should be in the last area to be filled so it stays clean. If the air cannot escape, the truckloader will not be able to generate a vacuum to pick up debris.

4. It should prevent the debris from blowing out during transport to an unloading site.

5. Unloading: Provision must be made for unloading.

ASSEMBLY AND SET-UP

1. Remove unit from crate.

2. Your Little Wonder Truckloader can be mounted in (4) four ways. The frame mounting will be covered below. Refer to the instruction sheet supplied with each kit for Swing Away, Tailgate, or Hitch mounting.

3. Fill the engine with oil. Fill the fuel tank with clean fresh gasoline.

4. Assemble the discharge chute. Slide flange clamp plate over discharge chute. Position the discharge flange over the fan housing flange. Position the flange clamp plate over the fan housing studs and secure with (2) two 3/8-16 nylon insert flange nuts and 2 (two) locking knobs. Back the nuts off from tight just enough that the chute may be turned for positioning. Lock the chute in the desired position by tightening the knobs.

5. Assemble the boom assembly in the receiver tube on top of the fan housing. Connect the hose to the inlet flange. Insert the adaptor, turn to lock and secure in place with the locking knobs.

6. Read the Operator's manual before operating the machine.

UNIT MOUNTING AND MOUNTING KITS.

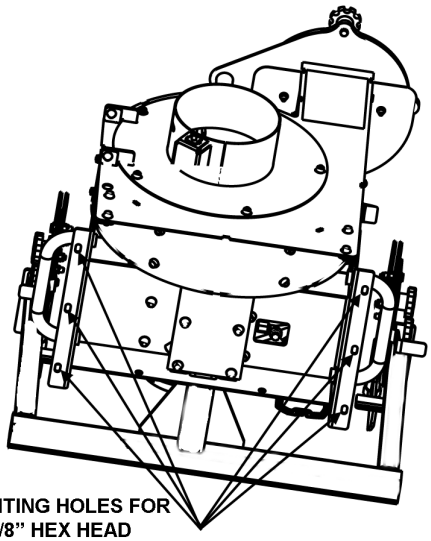
Most Truckloader installations are customized and somewhat unique. It is the responsibility of the installer to ensure the installation is sufficient to carry the truckloader or truckloader mounting kit.

Your Little Wonder 14HP Truckloader can be mounted in four different ways. Brief instructions for each are listed below. Refer to the specific mounting kit for detailed instructions.

MOUNT SHREDDING TRUCKLOADER FRAME

1. Mount the Shredding truckloader frame to the frame or swing away, and secure frame with (6) six 3/8" hex head bolts (Grade 5 or better), 3/8" flat washers, and 3/8" lock nuts.

BOTTOM VIEW OF TRUCKLOADER



MOUNTING HOLES FOR THE 3/8" HEX HEAD BOLTS.

Skid Mount

Application: Trailer mount or permanent truck mount:

To use the truckloader as a skid mount, supply a suitable surface for the unit to sit on and secure with 3/8” fasteners. If the surface is a wood deck of 2” nominal thickness (1-1/2” actual thickness), lag screws or bolts and lock nuts may be used. Use Grade 5 or better bolts. Nylon insert locknuts are recommended. If wood decking is less than 2” nominal thickness, or if steel brackets are used, 3/8” bolts and nylon insert locknuts are recommended. Direct the discharge chute to the debris receptacle area.

Hitch Mount (Kit 720060)

Vehicle Requirement: Vehicle with 2” square Class III or Class IV hitch receiver.

Application: Inexpensive mount on either a fixed or tilted bed truck. Must be removed to tilt bed or unload.

Install the hitch bar in the channel underneath the truckloader unit. Secure the hitch bar from pulling out with the hitch pin and hairpin cotter provided. Sandwich the hitch bar between the unit and the clamp plate: Secure the clamp plate with six (6) 3/8-16X1 bolts and six (6) 3/8-16 nylon insert flange nuts.

To mount the unit on a truck get a helper and pick up the unit. Use proper lifting technique. Slide the hitch bar into the vehicle’s hitch receiver. Secure with the hitch pin and hairpin cotter. Attach the safety chains to the vehicle.

To remove the unit, remove the hose/boom assembly, disconnect the safety chains and hitch pin. With a helper, lift and slide the unit out of the vehicle hitch receiver and set down.

Tailgate Mount (Kit 720061)

Vehicle Requirement: A suitable heavy duty tailgate like those used on dump bodies or a similar structure. A pickup tailgate will not handle this mount.

Application: Fixed or tilt bed. Must be removed to tilt or unload. Keeps hitch receiver free so a trailer may be pulled.

Install tailgate mount on the tailgate of your truck. Adjust the clamps to grip the tail gate securely when the lever handle is pulled down and locked. If the adjusting nuts do not provide sufficient travel, the clamp pads may be moved to a different set of holes to get a secure fit.

Remove the mount from the tailgate and install the hitch bar in the channel underneath the truckloader unit. Secure the hitch bar from pulling out with the hitch pin and hairpin cotter provided. Sandwich the hitch bar between the unit and the clamp plate. Secure the clamp plate with six (6) 3/8-16x1 bolts and six (6) 3/8-16 nylon insert flange nuts.

To mount the unit on a truck get a helper and pick up the assembly and lift it over the tailgate. Use proper lifting technique. Pull the clamp levers down and secure them in place with the locks.

To remove the unit, remove the hose/boom assembly, unlock the clamp levers and open the clamps. With a helper, lift the unit over the vehicle tail gate and set down. Use proper lifting technique.

Swing-Away (Kit 720062)

Vehicle Requirement: Vehicle with 2” square Class III or Class IV hitch receiver.

Application: One man unloading of tilt bed vehicles with beds up to 96” wide.

With a helper, lift the swing-away frame and slide the hitch bar into the vehicle receiver. Use proper lifting technique. Secure with the hitch pin and the hairpin cotter. Attach the safety chain to the vehicle. Lift the truckloader unit and place it on top of the swing-away frame. Secure it to the frame with six (6) 3/8-16x1 bolts and six (6) 3/8-16 nylon insert flange nuts.

To use the swing-away feature, pull the hitch pin on the right side and the lynch pin holding the frame together on the left side. Pull the swing-away frame open. The swing-away may be locked in the 90 degree or 180 degree positions with the hitch pin.

⚠WARNING

DO NOT transport with the swing-away in either open position.

Damage to the swing-away or vehicle may result.

Close the swing-away and secure with lynch pin before transporting.

The swing-away may be used to vacuum debris in the 90 degree position.

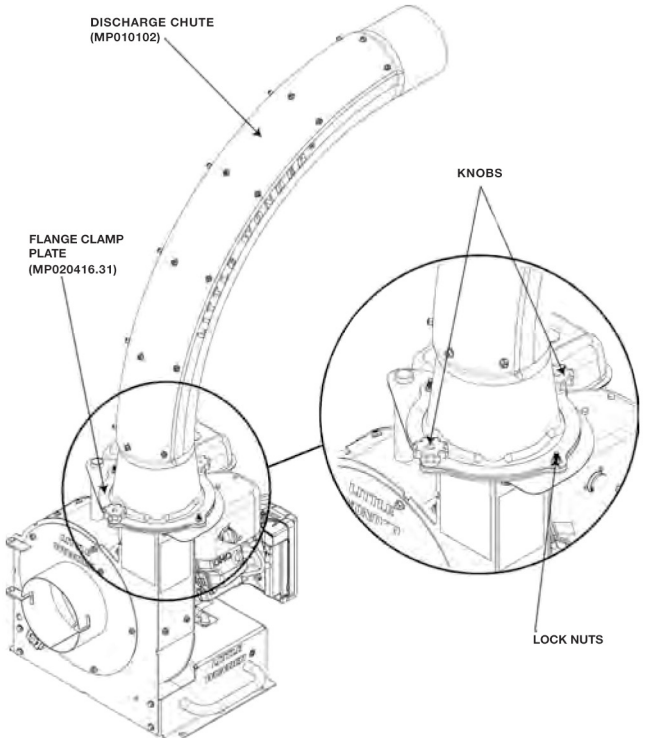
The 180 degree position is for dumping the load of debris collected in the truck box. Before using the swing-away, conduct a trial run to be sure there is sufficient clearance between the truckloader and the truck body.

OTHER KITS AND ACCESSORIES AVAILABLE FOR YOUR TRUCKLOADER:

720025- 18” HOUSING EXTENSION KIT
720027- 6’ DISCHARGE CHUTE EXTENSION KIT
720070- CHUTE DEFLECTOR KIT

INSTALL DISCHARGE CHUTE TO POWER UNIT

1. Slide the flange clamp plate over the discharge chute deflector down to the flange.
2. Orient the discharge chute with liner so its flange is facing the top of the Shredding truckloader housing, and slide the flange clamp plate over the four housing flange studs.
3. Direct discharge into The debris receptacle, and affix it with (2) two knobs, (2) two flanged nylon insert nuts as shown below.

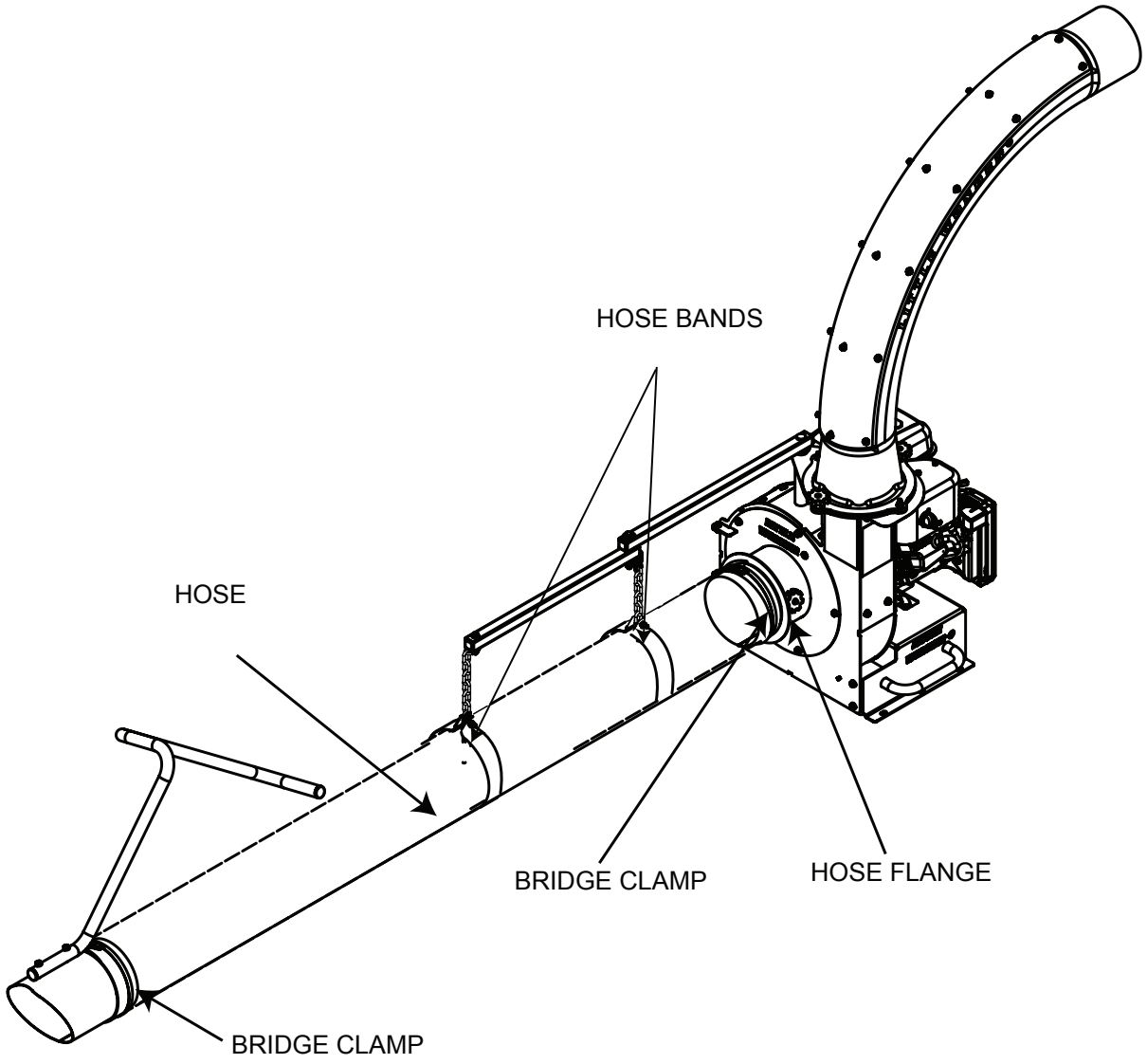


CHANGE DISCHARGE CHUTE DIRECTION

1. Loosen knobs and nuts.
2. Swivel discharge chute to desired direction.
3. Affix chute by retightening knobs and nuts.
4. Additional tools are not needed.

INSTALL HOSE AND BOOM ARM TO HOUSING (SEE FIGURE 1 FOR ASSY)

1. Remove hose from box and stretch it.
2. Hold the hose, and stretch each end as far as possible to open internal diameter.
3. Slide bridge clamp over each end of hose.
4. Insert hose flange in one end of hose and tighten bridge clamp.
5. Place hose bands over hose, near flange end.
6. Get boom arm assembly and attach chains to hose bands with bolts and nuts.
7. Place boom arm pivot shaft into housing tube.
8. Install knobs onto hose flange. Leave knobs loose.
9. Push hose flange studs into front plate notches and turn to lock. Tighten knobs to secure into position.
10. Install hose nozzle/handle assembly, onto other end of hose. Orientate handle to desired position and tighten bridge clamp.



SWITCH (A)

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

THROTTLE (B)

Controls engine speed and the amount of air being blown.

CHOKE (C)

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

FUEL SHUT OFF (D)

Move to the “OFF” position to shut off the fuel whenever transporting the machine by trailer or truck during storage. Move to the “ON” position before starting the engine.

HOSE ATTACHMENT

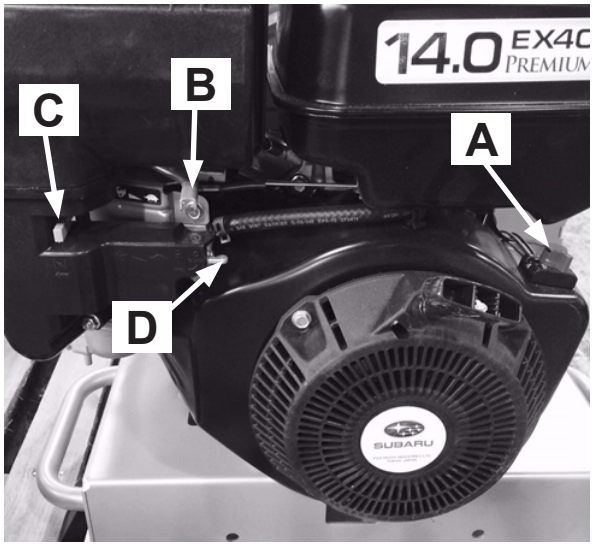
Slide the hose adaptor into the slots on the inlet tube, twist it to lock the studs into the slots and tighten the locking knobs to secure in place.

BOOM ASSEMBLY

The hose boom assembly supports the hose while allowing it to move horizontally.

DISCHARGE CHUTE

The discharge chute can be turned to point in the desired direction. to turn the chute, loosen the knobs and turn the chute to the desired direction. Tighten the knobs to secure.



INTENDED USE

This unit is intended for vacuuming leaves, clippings and other similar sized organic material from the ground into a truck or trailer. Large sized or long stringy material will tend to clog.

Vacuuming sand, rocks, and hard litter will shorten the life of this machine and may damage the machine or parts of it.

PRE-OPERATION CHECK LIST (OPERATOR'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.
- Make sure the discharge chute and hose are installed.
- Check the hose, discharge chute, liners, and housing for wear. Do not operate if these parts are worn through. Replace or repair before operating.
- 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 if necessary.
- Clean area around the oil fill dipstick. Remove dipstick and check to be sure oil is in operating range (between marks on dipstick). Add oil if necessary but **Do Not Overfill.** See engine manual for oil specifications. Install dipstick assembly firmly until cap bottoms out on tube. Dipstick assembly must always be secured into fill tube when engine is running.
- Inspect material to be vacuumed and remove stones, branches or other hard objects that might damage the machine or cause it to clog.

BEFORE STARTING THE ENGINE

1. Be familiar with the controls, how each functions, and what each operates.
2. Check engine oil level. Add oil if necessary, following the engine manufacturer's recommendations. Refer to engine manual included with literature packet.
3. Check the air cleaner for dirty, loose, or damaged parts. Clean or replace if necessary.
4. Check the air intake and cooling area for dirt or debris and clean as necessary.

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

Fill fuel tank with good quality, clean, unleaded regular gasoline to the level recommended by the engine manufacturer.

TO CHECK OR ADD FUEL:

- Use a funnel to avoid spilling.
- Do it outdoors.
- Do not smoke.
- Stop the engine; allow to cool.
- Do not overfill.
- Clean up spilled fuel.

STARTING THE ENGINE

1. Turn the fuel on and move the throttle to the half open position.
2 Set the engine switch to the ON or RUN position.
3. Move the choke to the ON position for cold starts. For warm starts attempt to start without the choke first to avoid flooding. If the engine does not start then use the choke.
4. Pull the recoil starter handle firmly to start the engine.
5. When the engine starts, gradually back off the choke until the engine runs with no choke.

OPERATING

This machine has been designed for two methods of vacuuming debris:

- With the handle of the Intake Nozzle in the operator's hands, move the nozzle back and forth in a sweeping motion over the debris
- Rotate Intake Nozzle to lay sideways on the ground. By placing the Nozzle in this position, debris can be raked into the nozzle by an operator.

While large amounts of debris can be vacuumed quickly with this machine, caution must be taken to avoid blocking the airflow into the Nozzle.

STOPPING THE ENGINE

When operation is complete or the unit needs to be checked or a clog needs to be cleared:

1. Move the throttle to SLOW.
2. Set the engine switch to the OFF position.
3. Close fuel valve.
4. Note: Impeller will continue to rotate for several seconds after engine is stopped.

EXCESSIVE VIBRATION

Shut off the engine immediately if abnormal/excessive vibration occurs. Remove spark plug wire. Find the cause of vibration and repair it. Some possible causes for excessive vibration are:

- Damaged impeller
- Loose impeller bolt
- Loose impeller key
- Lodged objects

CLOGS

To prevent clogs, do not overfeed, especially with heavy wet material.

Pay attention to how full the debris receptacle is. Overfilled debris receptacles cause material to back up and get tightly packed in the discharge cute.

REMOVING CLOGS ⚠WARNING

If a decrease in suction is experienced, there may be a debris blockage in the hose. Often a clogged hose can be cleared by stretching the hose out straight with the engine running. If the hose does not clear, you will need to remove the hose. Before removing the hose or attempting to clear a clog manually:

- STOP the engine. Put the engine switch in the OFF position.
- Wait for the impeller to come to a complete stop.
- Disconnect the spark plug wires so impeller movement cannot accidentally start the engine.

Removing Clogs (continued)

CAUTION SHOULD BE USED WHEN CLEARING DEBRIS FROM INSIDE THE HOUSING. GLOVES SHOULD BE WORN AS SHARP EDGES ON THE IMPELLER OR IN THE DEBRIS MAY BE PRESENT.

Remove the Hose Assembly from the Inlet Flange Assembly. With this removed, open the Inlet Flapper and remove any debris that is clogging the housing.

Remove the Discharge Chute from the Transition Discharge tube's flange. With the Chute removed, inspect the Transition Discharge part of the housing and remove any debris clogging this area.

Reassemble removed parts, reconnect the spark plug wire and resume operation.

NEVER TRANSPORT MACHINE WHILE IT IS RUNNING

TRANSPORT

1. Shut off the engine and turn off fuel valve.
2. Disconnect the hose from the power unit.
3. Remove the boom assembly from the frame (it can stay with the hose.)
4. Remove the discharge chute.
5. Transport the hose/boom assembly and discharge chute secured in the truck or trailer.
6. Do not exceed 30 mph. High speeds together with rough roads can cause damage to the unit

DAILY MAINTENANCE
- Inspect the intake hose connector to make sure it is securely fastened to the intake cover assembly
- Inspect the hose, chute, chute liner, and housing liner for wear. Replace worn parts or have them repaired.
- Tighten any loose fasteners.

ENGINE OIL
- Check the oil level daily.
- Change after the first day of operation and then according to the engine manual.
- See the engine manual for oil specifications and checking procedure.

ENGINE AIR CLEANER
- Check and clean according to the engine manuals.
- Little Wonder recommends daily inspection and cleaning due to the extreme environment of debris handling.

CLEANING

Keep the area around the muffler and engine recoil cover /cooling air intake free of debris accumulation to prevent fires and keep the engine from overheating. These areas need to be monitored throughout the work day and may need to be cleaned several times daily depending on circumstances.

HOUSING LINER REPLACEMENT
- Before replacing liner stop engine.
- Put engine switch in OFF position.
- Remove spark plug wire so fan movement cannot inadvertently start engine.
- Remove hose from blower inlet.
- Remove nuts securing blower inlet assembly and open blower inlet assembly.
- Remove liner retainer.
- Remove the old liner.
- Install the new liner with the thick rubber side towards the fan. Use new bolts and washers. Start at one end and work around the housing leaving the fasteners loose until all the fasteners have been installed. Then tighten the bolts until the washer is slightly drawn into the rubber. Do not over tighten
- Reinstall liner retainer. See parts list for locations of carriage bolts.

CHUTE LINER REPLACEMENT
- Before replacing liner stop engine.
- Put engine switch in OFF position.
- Remove spark plug wire so fan movement cannot inadvertently start engine.
- Remove chute from blower housing.
- Remove rubber plugs from access holes on the bottom of the chute.
- Remove nuts, washers, bolts then remove old liner.
- Feed the new liner into the chute. Using new bolts and new washers on the inside, and new washer and new nuts on the outside, install new fasteners working in from each end. Leave the bolts loose until all fasteners are installed. Then tighten the nuts and bolts, working from the inside out.
- Reinstall the rubber plugs.
- Reinstall the chute on the machine.

STORAGE

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

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 the fuel lines. Drained fuel may only be stored for 30 days. If a stabilizer is chosen, follow the manufacturer's recommendation by adding the correct amount of additive for the amount of fuel to be stored. Fill the tank with this clean, fresh gasoline and run the engine for 2 to 3 minutes to get the stabilized fuel into the carburetor.

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 used next.

4. Remove the spark plug and squirt a small amount of engine oil into the cylinder. Reinstall the plugs and ground spark plug leads- DO NOT connect the leads to the plugs. Crank the engine two or three revolutions.

5. Store the unit and all of it's components in a clean, dry, well ventilated, non-child accessible, sheltered area that is out of sun light and high ambient temperatures.

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

1. Check for loose parts and tighten if necessary.

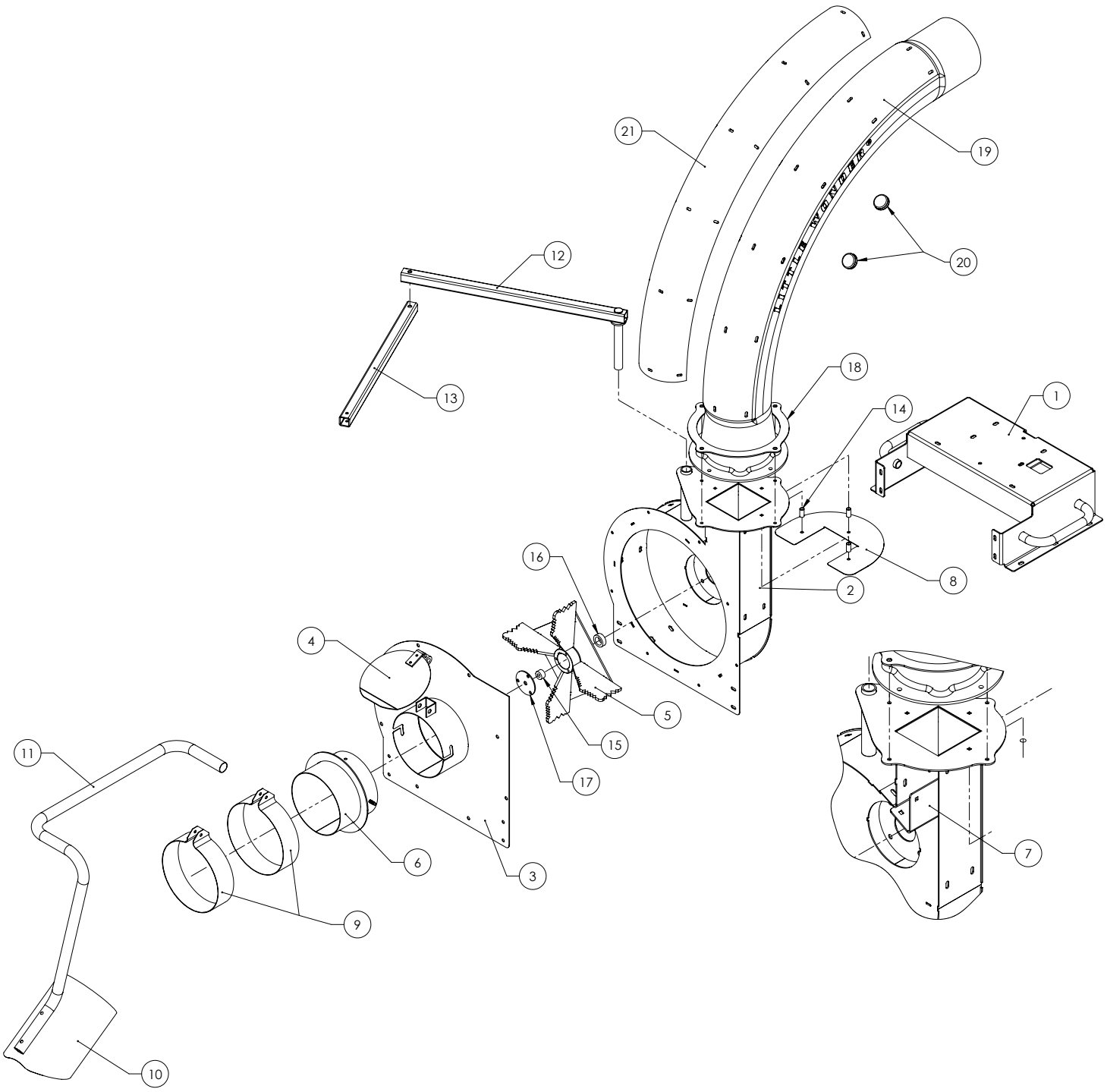
2. Fill the fuel tank and then check the engine oil level. Top off if necessary. See engine manual for details.

3. Start the engine and check for fuel leaks. Repair any leaks before operating the unit.

TRUCKLOADER

Model	8143-03-01
Engine	14HP Subaru® EX40
Displacement cm^3(cu. in)	404 (24.65)
Starter	Pull Start
Fuel Capacity	1.85 Gal.
Oil Capacity	1.26 qt (1.2 Liters)
Vacuum Hose	8”dia.x 10’
Discharge	7”
Mounting Requirements	• 2” square Class III or Class IV (Swing Away, Receiver Hitch) • Heavy Duty Dump Body Tailgate (Tailgate mount) • Skid mount
Impeller	4 Blade 5/16” Steel with Taper Locking Hub
Dimensions Shipped	57”L X 46”W X 37”H
Dimensions Assembled	24”L X 27”W X 72”H
Dry Weight	225 lbs.

TRUCKLOADER



TRUCKLOADER

ITEM	PART NO.	DESCRIPTION	QTY.
1	MP020400.31	Engine Base	1
2	MP020401.31	Housing	1
3	MP020402.10	Housing Cover	1
4	MP020403.17	Flap	1
5	MP020404	Impeller	1
6	MP020405.17	Hose Adapter	1
7	MP020406.31	Retainer, Liner	1
8	MP020407.31	Shield-Heat	1
9	MP020408.17	Hose Band	2
10	MP020409.17	Nozzle	1
11	MP020410.17	One Piece Tube Handle	1
12	MP020411.17	Boom Mast	1
13	MP020412.17	Boom Arm	1
14	MP020413	Stand-Off, Heat Shield	3
15	MP020414	Chankshaft Spacer, Outside	1
16	MP020415	Crankshaft Spacer, Inside	1
17	MP020046	Cover Plate, Impeller Hub	1
18	MP020416.31	Clamping Ring	1
19	MP010102	Discharge Chute	1
20	MP010106	Access Plug	2
21	MP010103	Discharge Liner	1