

***LITTLE WONDER<sup>®</sup> Shredding***  
***TruckLoader***

**MODELS: 8161-00-01**  
16HP Briggs & Stratton  
**8181-00-01**  
18HP Briggs & Stratton



**MAN 720719**  
Rev. A 08-2012  
Original Language Instructions



**OPERATOR / PARTS MANUAL**

**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.**

# LITTLE WONDER 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 18966-4217

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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.

### *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



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 a hazardous situation which, if not avoided, **WILL** result in death or serious injury.

#### **WARNING**

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

#### **CAUTION**

**CAUTION** indicates a hazardous situation which, if not avoided, **COULD** 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 unit. It contains the model number followed consecutively by the serial number. Use this number when ordering parts or seeking warranty information.

# LITTLE WONDER TRUCKLOADER

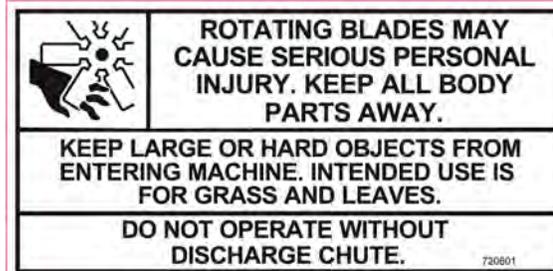
## PREPARING FOR SAFE OPERATION

### 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 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 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.
- 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, 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.
- Do not start machine until ready to use.

## OPERATION SAFETY

### In general

- Use extra care when loading or unloading the Truckloader into 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, lower the 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, key is in OFF position, and fan has come to a complete stop.- Maintain machine according to manufacturer's schedule and instructions for maximum safety and best mowing results.

### 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 chute.
- 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 and remove the key.
- 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, turn key 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. Turn the key to the OFF position.

## MAINTENANCE SAFETY

### In general

- Park supporting vehicle on level ground.
- Maintain machine according to manufacturer's schedule and instructions for maximum safety and best mowing results.
- Rotating Fan: Do not attempt to remove materials from intake or discharge when Shredding Truckloader is running or fan is still rotating.
- Never allow untrained personnel to service machine.
- Adjust or repair only after the engine has been stopped and the fan has quit 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, turn ignition key to OFF position. Disconnect and remove spark plug wire(s) before making any repairs. Disconnect the negative terminal first and the positive last. Reconnect positive first and negative last.
- 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 Fan

- Don't attempt to remove materials from intake or discharge when unit is running or fan is rotating.

- Fan coasts after the engine is turned off.
- Only replace fan. Never straighten or weld them.
- Keep other persons away from fan.
- Caution should be used when clearing debris from inside the housing. Gloves should be worn as sharp edges on the, talon ring, or in the debris may be present.



### Fuel

- Gasoline and diesel fuels are flammable; gasoline vapors are explosive. Use extra care when handling.
- Store only 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.

## BATTERY

Battery acid is caustic and fumes are explosive and can cause serious injury or death.

To reduce the risk of personal injury when working near a battery:

- When working with battery acid, use protective equipment such as, but not limited to, goggles, face shield, rubber gloves and apron.
- Avoid leaning over a battery.
- Do not expose a battery to open flames or sparks.
- Be sure batteries with filler caps are properly filled with fluid.
- Do not allow battery acid to contact eyes or skin. Flush any contacted area with water immediately and get medical help.
- Do not check for spark with spark plug or plug wire removed and grounded. Use an approved tester. Sparks can ignite fumes.
- Charge batteries in an open, well ventilated area, away from sparks and flames. Unplug charger before connecting or disconnecting from battery.



## 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.

## 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 ignition key in the OFF position.

## JUMP STARTING

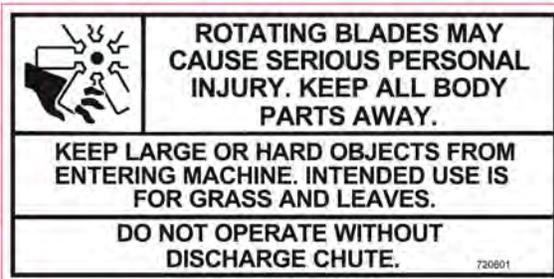
1. Be sure the jumper cables are in good condition. Turn off the ignition and all electrical accessories on both machines.
2. Position the machine with a good (charged) battery next to but not touching the machine with the dead battery so jumper cables will reach.
3. When making cable connections:
  - make sure the clamps do not touch anywhere except to intended metal parts,
  - Never connect a positive ("+" or red) terminal to a negative ("- " or black) terminal.
  - Make sure the cables won't get caught in any parts after the engines are started.
4. Connect one end of the first jumper cable to the **positive** terminal on one battery. Connect the other end to the **positive** terminal on the other battery.
5. Connect one end of the other cable to the **negative** terminal of the machine with a good (charged) battery. Make the final connection on the engine of the machine to be started, away from the battery.
6. Start the vehicle with the good battery, then the machine with the discharged battery.
7. Remove the cables in the exact reverse order of installation. When removing each clamp, take care it does not touch any other metal parts while the other end remains attached.

# LITTLE WONDER TRUCKLOADER

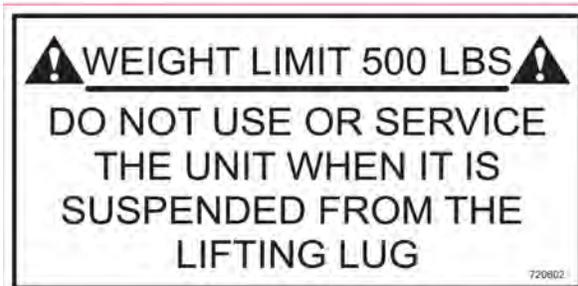
# LABELS



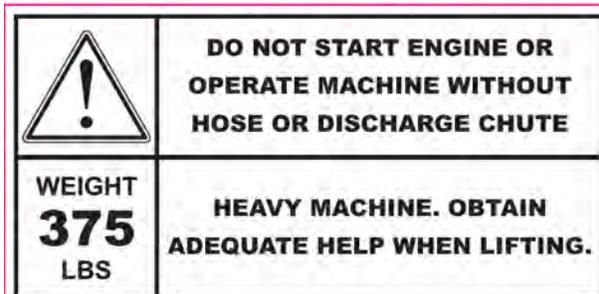
**CAUTION: HOT SURFACE**  
P/N 720600



P/N 720601

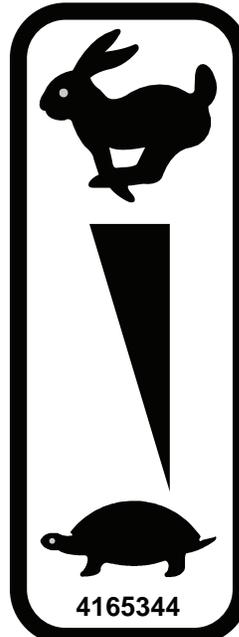


P/N 720602



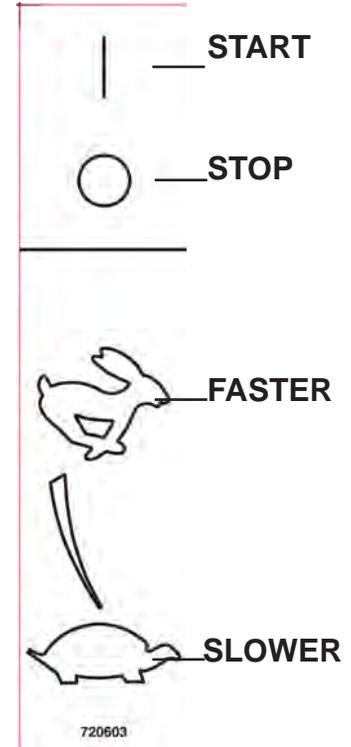
P/N 720605

18HP THROTTLE LABEL



4165344

16HP THROTTLE LABEL



P/N 720603



**CAUTION: THROWN OBJECTS**  
KEEP BYSTANDERS AWAY

P/N 720609

The safety label is a vertical rectangular panel with a dashed border. At the top, it features two white arrows pointing up and to the right. Below the arrows is a large shield-shaped warning sign with the word "DANGER" in bold, uppercase letters, followed by "KEEP HANDS and FEET AWAY" in a smaller font. Underneath this text is a circular icon of a hand with a slash through it, indicating a cut or amputation hazard. Below the shield is a triangular warning sign with a large exclamation mark. The main body of the label is divided into a 2x2 grid of four square icons: top-left shows a person being struck by a falling object; top-right shows a wrench; bottom-left shows a person standing next to a large rectangular object with a double-headed arrow; bottom-right shows a person being struck by a rotating fan blade. Below the grid are two circular icons: one showing a person wearing safety glasses and ear protection, and another showing an open book. At the bottom center of the label is the text "P/N 600602".

**DANGER**  
KEEP HANDS and FEET AWAY

Rotating Fan:  
CUT / AMPUTATION  
HAZARD  
-Keep hands and and other  
body parts out of blower  
housing.

Thrown Object Hazard:  
-Keep bystanders away.  
-Direct discharge into a  
suitable receptacle.

Before Servicing:  
-Stop engine.  
-Remove key (if applicable).  
-Remove spark plug wire(s).

Wear Personal Protective  
Equipment to protect your  
eyes and hearing.  
Wear Respiratory Equip-  
ment to protect yourself  
from breathing dust.

-Read, understand and  
obey Operator Manual.  
-Pay particular attention  
to safety sections.  
-Store in a safe place.

P/N 600602

### DEBRIS RECEPTACLE

The Shredding 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. Provision must be made for unloading.

### HOSE ASSEMBLY (Figure 1)

1. Remove the hose from the box.
2. With the assistance of a second person, hold the hose at both ends and stretch it out as far as possible. This will maximize the hose length and open the internal diameter.
3. Slide Hose band onto hose and secure with 5/16-18 nut and bolt. Leave hardware loose for attachment to boom arm.
4. Insert Hose Flange Assembly into one of the open ends as shown in Figure 1.
5. Using one of the Hose Clamps, secure the hose to the Hose Flange Assembly by wrapping the clamp around the hose portion covering the Hose Flange and tighten.
6. Insert the Intake Nozzle into the end of the hose opposite the hose flange as shown in Figure 1.
7. Using the second Hose Clamp, secure the hose to the Intake Nozzle by wrapping the clamp around the hose portion covering the Intake Nozzle and tighten.

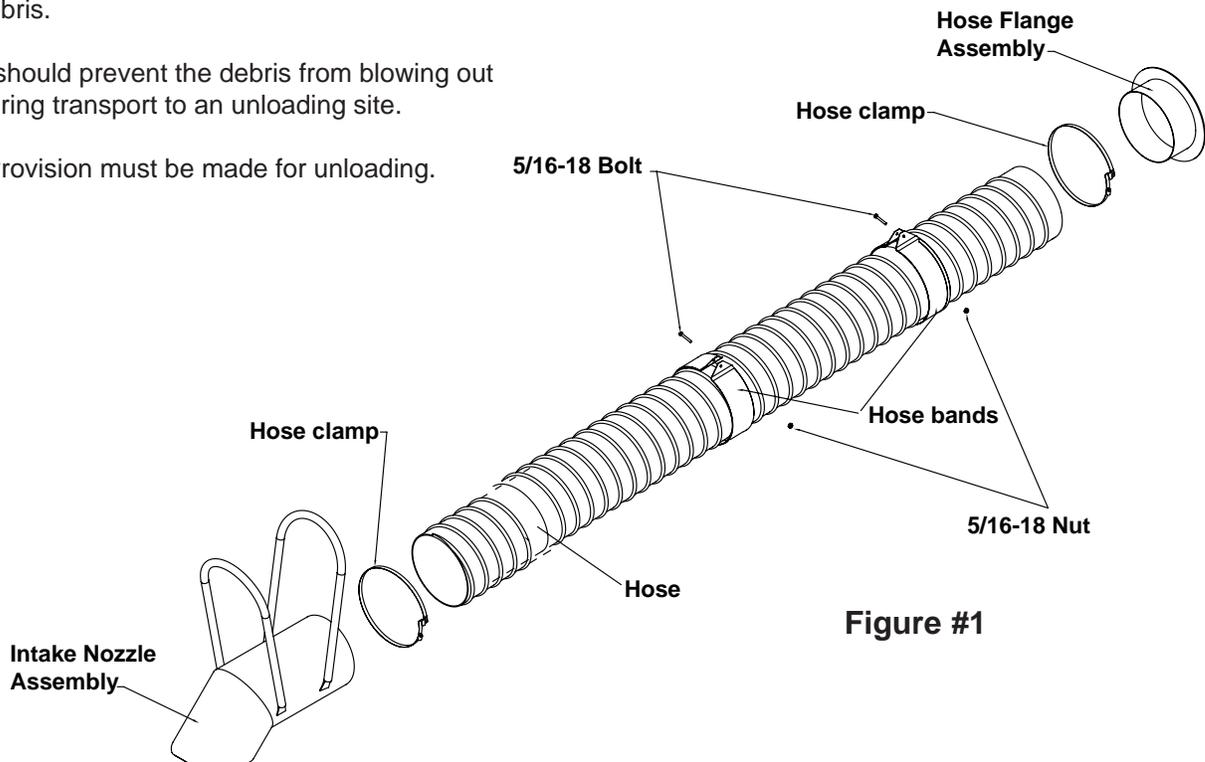


Figure #1

## UNIT MOUNTING (Figure 2)

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.

The Little Wonder Shredding Truckloader may be mounted in three different ways. Skid mount, Swing Away or Stake Body Swing Away. Skid mounting is covered below. For other mounting methods see kit instructions.

1. Secure the Truckloader frame to an appropriate mounting surface with (4) 1/2" bolts and (4) 1/2" nuts. Do not use the 4 smaller holes for mounting. They are for shipping purposes only.
2. The unit may be lifted by using the lifting slots cut in the frame, or the lift lug at the top of the blower housing. The lift lug has a maximum capacity of 225KG (500 lbs).

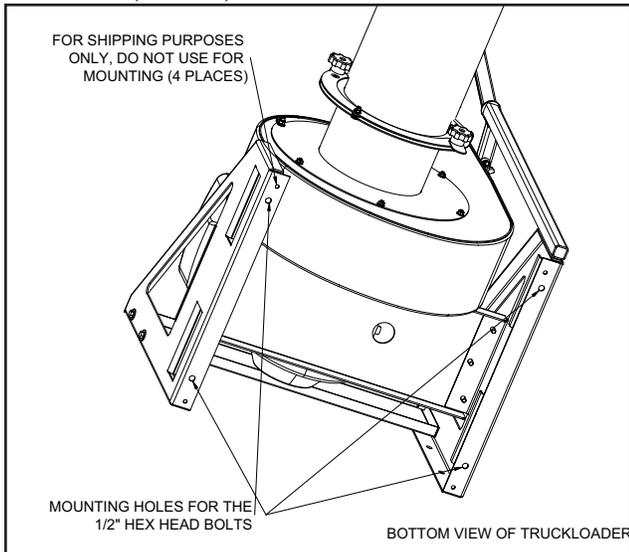


Figure #2

## DISCHARGE CHUTE TO TRUCKLOADER HOUSING (Figure 3)

1. Slide the flange clamp plate (720252) over the discharge chute deflector down to the flange.
2. Lift the discharge chute with the flange clamp ring and place on top of the transition tube flange as shown.
3. Align the holes of the flange clamp ring with the transition tube studs and secure with (2) 3/8-16 nylon lock nuts and (2) knobs. Back off the nuts just enough that the chute can be rotated. Rotate the chute to the desired direction. Use the knobs to lock the chute in place.
4. Position deflector to desired direction. Tighten knobs to lock chute in place.

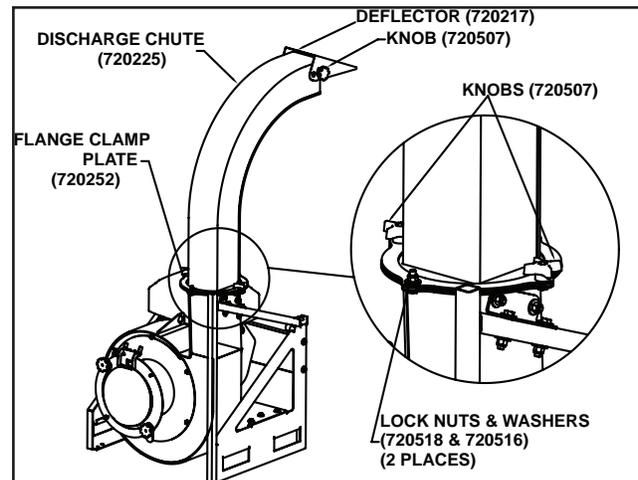
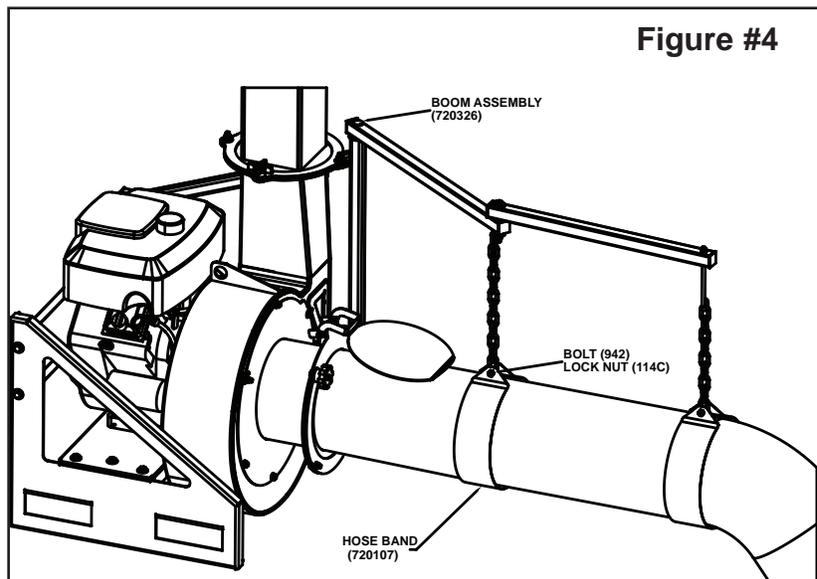


Figure #3

### BOOM AND HOSE ASSEMBLY (Figure 4)

1. Insert the shaft of the Boom Arm Assembly into the Frame Support Tube.
2. Loosen the knob and rotate the Flapper Retainer to allow the Inlet Flapper to be lifted upward.
3. Hold the Inlet Flapper up, then install the Hose Assembly by inserting the flange of the Hose Flange Assembly into the space (gap) between the face of the Inlet Assembly Flange and the back face Flange Retainer Plate as shown. The pin located in the upper right corner of the Inlet Assembly Flange prevents the Hose Flange Assembly from sliding out.
4. Orient the Intake Nozzle to your preferred position and lock it in place by tightening the two knobs attached to the Flange Retainer Plate and Flapper Retainer. Tightening the knobs, will push the flange of the Hose Flange Assembly against the flange of the Inlet Assembly and activate the Safety Switch Plate. **THIS MUST BE DONE TO OPERATE THIS UNIT.**
5. Move the hose bands over the hose, one under each Boom Arm chain. Attach each band to its chain with a 5/16-18 x 1-3/4 bolt and nylon locknut. Tighten the nut to the end of the threads.
6. For transport remove the boom/hose assembly complete. Rotate the flapper retainer to lock the flapper door closed. Tighten the knob to secure the flapper retainer in place.



## FILLING THE GAS TANK



Gasoline and diesel fuels are 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.
1. Fill the tank with the proper fuel. Take extra caution when filling the tank to not over-fill it.

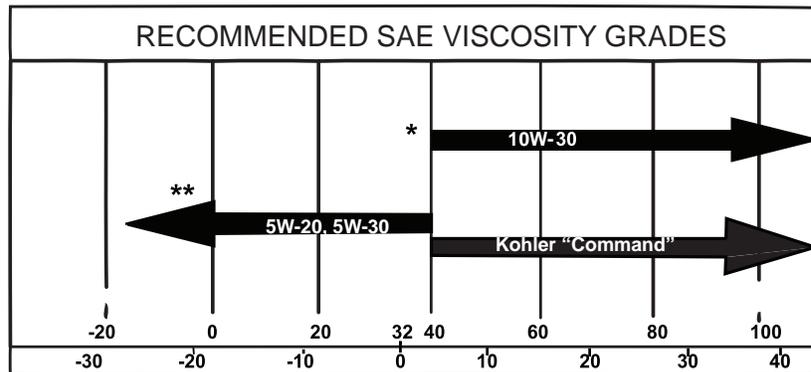
2. Fuel Type: For best results use only clean, fresh, unleaded gasoline with a pump sticker octane rating of 87 or higher. In countries using the Research method, it should be 90-octane minimum. Unleaded gasoline is recommended as it leaves less combustion chamber deposits and reduces harmful exhaust emissions. Leaded gasoline is not recommended and must NOT be used on models where exhaust emissions are regulated.
  - a) Gasoline/Alcohol blends: Gasohol (up to 10% ethyl alcohol, 90% unleaded gasoline by volume) is approved as a fuel for KOHLER engines. Other gasoline/alcohol blends are not approved.
  - b) Gasoline/Ether blends: Methyl Tertiary Butyl Ether (MTBE) and unleaded gasoline blends (up to a maximum of 15% MTBE by volume) are approved as a fuel for KOHLER engines. Other gasoline/ether blends are not approved.

## ADDING OIL TO THE ENGINE

1. Fill the crankcase with the proper oil to the "F" mark found on the dipstick.
2. Using the proper type and weight of oil in the crankcase is extremely important. It is also important to check oil before every use and change oil regularly. Failure to use the correct oil, or using dirty oil, causes premature engine wear and failure.
3. Oil Type: high quality detergent oil of API (American Petroleum Institute) service class SC; SH; SJ or higher. Select the viscosity based on the air temperature at the time of operation as shown in the following table.



**NOTE:** Using other than service class SG, SH, SJ or higher oil or extending oil change intervals longer than recommended can cause engine damage. A logo or symbol on oil containers identifies the API service class and SAE viscosity grade.



\*Use of synthetic oil having 5W-20 or 5W-30 rating is acceptable, up to 40°.  
 \*\*Synthetic oils will provide better starting in extreme cold (below -10°F).

### SWITCH (A) (16HP MODEL)

Move to the "OFF" position to stop the engine.  
Move to the "ON" position before starting the 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.

### RECOIL STARTER (E)

Pull to turn engine for starting.

### KEY SWITCH (F) (18HP MODEL)

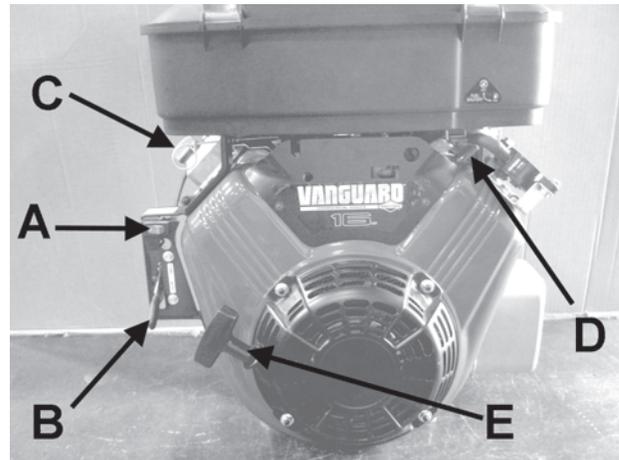
Turn clockwise to "START" position to start engine.  
Release key to turn to "RUN" position.  
Turn counter-clockwise to "STOP" the engine.

### BOOM ASSEMBLY

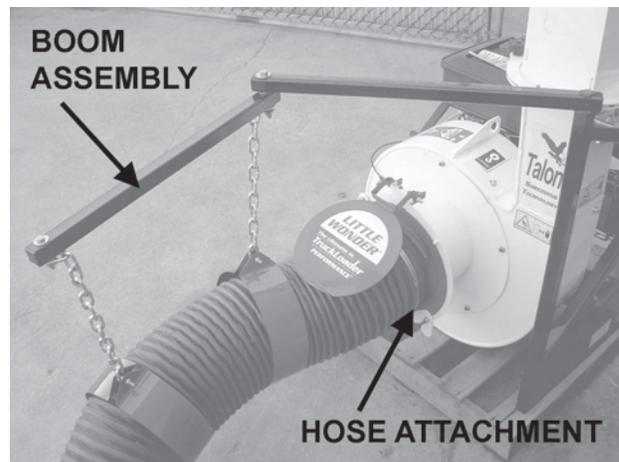
The hose boom assembly supports the hose while allowing it to move horizontally.

### DISCHARGE CHUTE

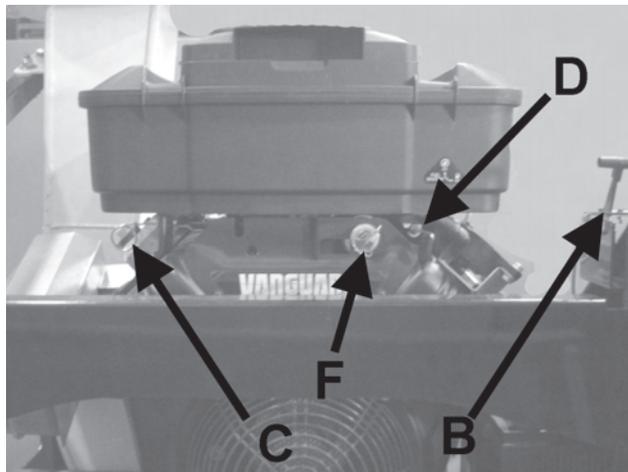
The discharge chute can be turned to point in the desired direction. To turn the chute, loosen the knobs and turn the chute to the desired direction. Tighten the knobs to secure.



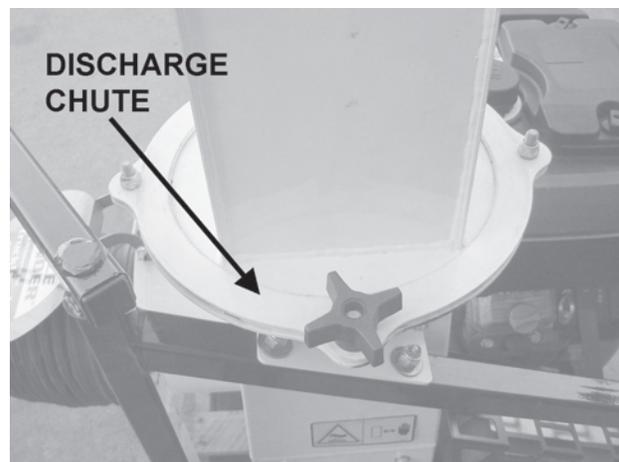
RECOIL START



HOSE ATTACHMENT



ELECTRIC START



DISCHARGE CHUTE

## 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.
- Perform a functional check of the safety interlock system each time you operate the unit.

## OPERATOR PRESENCE INTERLOCK SYSTEM

The suction hose must be in place or the flapper door closed to start the engine and keep it running.

Gasoline is extremely flammable  **WARNING**  
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.

## 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.

## STARTING THE ENGINE

1. Move the throttle to the half open position.
2. 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.
3. **ELECTRIC START:** Turn the key switch clockwise to the start position. When the engine starts, release the key and gradually back off the choke until the engine runs with no choke.
4. **RECOIL START:** Move the switch to the "ON" position. Pull the recoil handle until resistance is felt. Then pull firmly to turn the engine. Release the recoil handle to allow the recoil to return to the original position. When the engine starts, gradually back off the choke until the engine runs with no choke.

## OPERATING

To vacuum debris, run the engine at maximum rpm. Hold the nozzle handle and move the intake nozzle in sweeping motions over the debris. Another method is to lay the nozzle on the ground and rake debris into the nozzle opening.

Move the nozzle to the debris, but do not block air flow into the nozzle. The air flow carries the debris.

Tip: Hose life may be increased by periodically loosening the hose clamps and rotating the hose so wear is more evenly distributed.

## 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 or talon ring.
- Loose impeller bolt
- Loose impeller key
- Lodged objects

## 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. Turn the key switch to the OFF position.

## 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 chute.

### Clogged Hose

Often a clogged hose can be cleared by stretching the hose out straight with the engine running. If the hose does not clear, see Removing Clogs below.

## Removing Clogs

### WARNING

Before removing the hose or attempting to clear a clog manually:

- Stop the engine. Turn the key switch to the OFF position.
- Wait for the fan to come to a complete stop.
- Disconnect the spark plug wire so fan movement cannot accidentally start the engine.
- Wear gloves. There may be sharp materials in the clog.

Remove the hose from the blower inlet. If the hose is clogged manually clear it. If the blower is clogged it may be possible to remove the material through the inlet opening. If not, remove the nuts holding the inlet assembly to the housing and remove the inlet assembly to gain access. If the chute is clogged, it may be necessary to remove the chute for access to the clogged area.

## TRANSPORT

**NOTE:** When transporting the machine, close the fuel valve. This avoids the possibility of flooding should any dirt get under the carburetor float needle. Leaving the valve open can allow severe flooding which may ruin the engine by diluting the oil.

1. Shut off the engine by turning the key switch to the "OFF" position.
2. Wait for the fan to stop.
3. Remove the hose assembly from the inlet flange assembly.
4. Close the flapper and flip the flapper retainer to secure the flapper. Lock the retainer in place by tightening the knob.
5. Remove the discharge chute from the truckloader housing.
6. Secure the removed parts in the transport vehicle.
7. Before moving a trailer mounted truckloader, be sure everything is properly secured for road travel, the trailer is properly connected physically and electrically to tow vehicle, and the safety chains are properly attached.

# LITTLE WONDER TRUCKLOADER

## TORQUE CHART:

Location	Bolt/ Nut Size	Part No.	Item # (Exploded View)	Min torque Ft-Lbs	Max torque Ft-Lbs
Housing to engine face	$\frac{5}{16}$ - 24 x $\frac{3}{4}$ flange head, gr. 5	910503	14	22	28
Housing to engine mounting plate	$\frac{5}{16}$ - 18 flange nut	114-B	16	16	22
Engine to engine mounting plate	$\frac{5}{16}$ - 18 x 1 - $\frac{3}{4}$ gr.5	942	17	19	25
Fan to crankshaft	$\frac{7}{16}$ - 20 x 3-1/2 hex head gr. 8	64123-303	13	61	81
Front plate assembly to housing	$\frac{5}{16}$ - 18 flange nut	114-B	16	16	22
Flange retainer plate to front plate assembly	$\frac{5}{16}$ - 18 nylon insert	114C	18	19	25
Liner to housing	$\frac{1}{4}$ - 28 x $\frac{3}{4}$ screw	310501 / 310502	15 / 17	9	11
Support angle to housing	$\frac{3}{8}$ - 16 Hex Head nut	8-57 / 720518	21 / 22	16	22
Support angle to support tube assembly	$\frac{3}{8}$ - 16 x 2 - $\frac{1}{4}$ Hex Head Bolt	720505	5	29	31
Frame: right and left side assemblies to engine mounting plate and rear panel assembly	$\frac{3}{8}$ - 16 x 1 bolt, gr. 5	8-57 / 720518	18 / 19	29	31
Guide starter rope to support tube assembly	$\frac{1}{4}$ - 20 x 2 - $\frac{1}{4}$ bolt	600545	16	7	9

## Maintenance Schedule:

FREQUENCY	MAINTENANCE REQUIRED
Daily or Before Starting the Engine	<ul style="list-style-type: none"> <li>Fill the fuel tank</li> <li>Check the engine oil level and fill, if needed, to the proper level</li> <li>Check the air cleaner for dirty, loose, or damaged parts</li> <li>Check the air intake and cooling areas for debris and clean as necessary</li> <li>Check the operation of the safety switch</li> <li>Check for excessive vibration, loose, or damaged parts on the unit</li> <li>Inspect and clean the Hose and Discharge Nozzle of clogging debris</li> <li>Inspect the condition of all warning labels and replace if necessary</li> </ul>
Every 5 hours of Usage	<ul style="list-style-type: none"> <li>Inspect for excessive vibration, loose, or damaged parts on the unit</li> <li>Check the engine oil level and fill, if needed, to the proper level</li> </ul>
Every 100 hours of Usage	<ul style="list-style-type: none"> <li>Change the engine oil as instructed in this manual</li> <li>Remove the cooling shrouds of the engine and clean the cooling areas of dust, dirt, or debris</li> </ul>
Every 200 hours of Usage	<ul style="list-style-type: none"> <li>Change the engine oil filter as instructed in this manual</li> <li>Check the engine spark plugs condition and gap</li> </ul>
Every 250 hours of Usage	<ul style="list-style-type: none"> <li>Service the engine's Heavy-Duty Air Cleaner, including replacing the Main Element, as instructed in this manual</li> </ul>
Every 500 hours of Usage	<ul style="list-style-type: none"> <li>Service the engine's Heavy-Duty Air Cleaner, including replacing the Inner Element, as instructed in this manual</li> </ul>

## DAILY MAINTENANCE

- Check operation of hose interlock switch.
  1. Start engine with hose properly installed.
  2. Loosen the knobs, start to remove it.
  3. The engine should stop running.
  4. Reinstall hose and tighten knobs.  
If the switch does not stop the engine, repair before attempting to use the machine.
- Inspect the hose, chute, chute liner, and blower 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

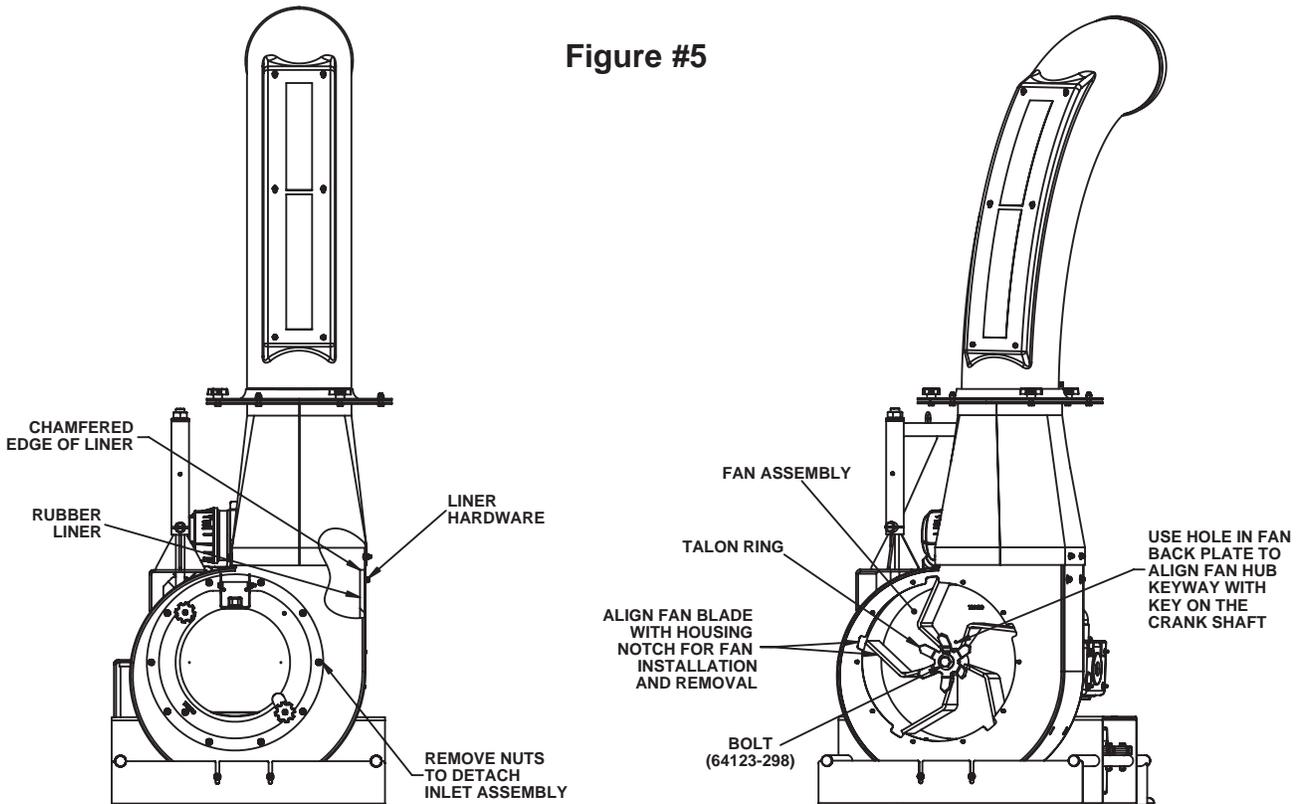
Keep the area around the muffler and engine recoil cover /cooling air intake free of debris accumulation to prevent fires and keep the engine from overheating. These areas need to be monitored throughout the work day and may need to be cleaned several times daily depending on circumstances.

## REMOVING AND REPLACING THE FAN AND TALON RING (Figure 5 Page 20)

1. Disconnect the spark plug wires from the spark plugs on the engine.
2. Disconnect safety switch wire from engine.
3. Unbolt and Remove the Inlet Assembly from the face of the Housing.
4. Remove the bolt (64123-303) securing the Fan and Talon Ring to the crankshaft of the engine.
5. Pull the Talon Ring and talon ring driver off the face of the Fan hub.
6. Rotate the Fan to allow the blades to align with the notches provided in the Housing face.
7. Using a flywheel puller, remove the fan from the crankshaft. \*\*Take note of the orientation of the fan with respect to the keyway upon removal. This is important when reinstalling the Fan.\*\*
8. Upon removal of the Fan and Talon Ring, inspect for damaged or worn blades. If the Fan or Talon Ring is found to be damaged or excessively worn, it should be replaced with a new part.
9. Degrease the threaded hole in the end of the crankshaft with a non-residual degreaser. Blow out excess degreaser using a straight nozzle airgun. It is important that all the degreaser is removed from the threaded hole in the end of the crankshaft.
10. Reinstall the Fan onto the crankshaft and orient it to the same position as removed in Step #6. Align the keyway of the fan hub with the keyway on the crankshaft. Once aligned, insert key.
11. Place the talon ring driver into the end of fan hub. Align the keyway on the driver with the key. Place the talon ring over the talon ring driver.
12. Apply a few drops of Loctite 263 on a 7/16-20 x 3-1/2" GR8 bolt (64123-303) and tighten to 71 ft./lbs.
13. Install the Inlet Assembly to the face of the Housing and secure with the previously removed hardware.
14. Connect the spark plug wires to the spark plugs on the engine.
15. Wait 24 hours to allow the Loctite to fully cure.

## LINER REPLACEMENT (Figure 5)

1. Complete steps 1-7 of Removing and Replacing Fan and Talon Ring found on page 19.
2. Inspect fan and talon ring. Replace if damaged or excessively worn.
3. Remove bolts attaching existing liner to the housing, and remove worn parts. Remove the liner from the housing by wrapping it and pulling it through the front of the housing.
4. When installing the new liner into the Housing, make sure the chamfered edge of the liner is installed in the vertical position at the discharge opening of the housing.
5. Align holes of the liner and housing, starting from the holes closest to the liner's seam.
6. Secure the liner to the housing (one hole at a time) with 10 bolts, washers and nuts (6 per liner half). Insert bolt from the inside of the liner with washers and nuts on the outside of the housing.
7. Complete steps 8-13 of removing and replacing Fan and Talon Ring found on page 19.



### 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.
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. Slowly pull the starter a few times to distribute oil in the cylinder and reinstall the spark plug.

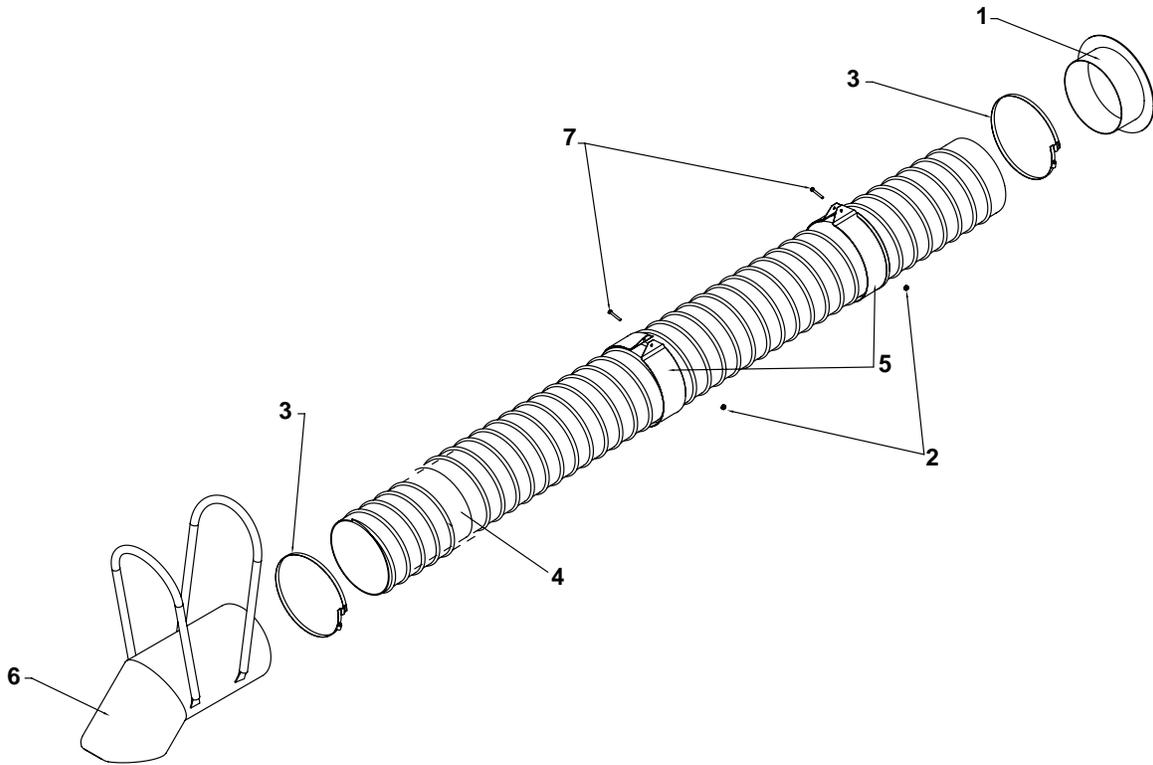
Store the unit out of sunlight to prolong hose life.

**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.

# **PARTS SECTION**

**FIGURE 1**

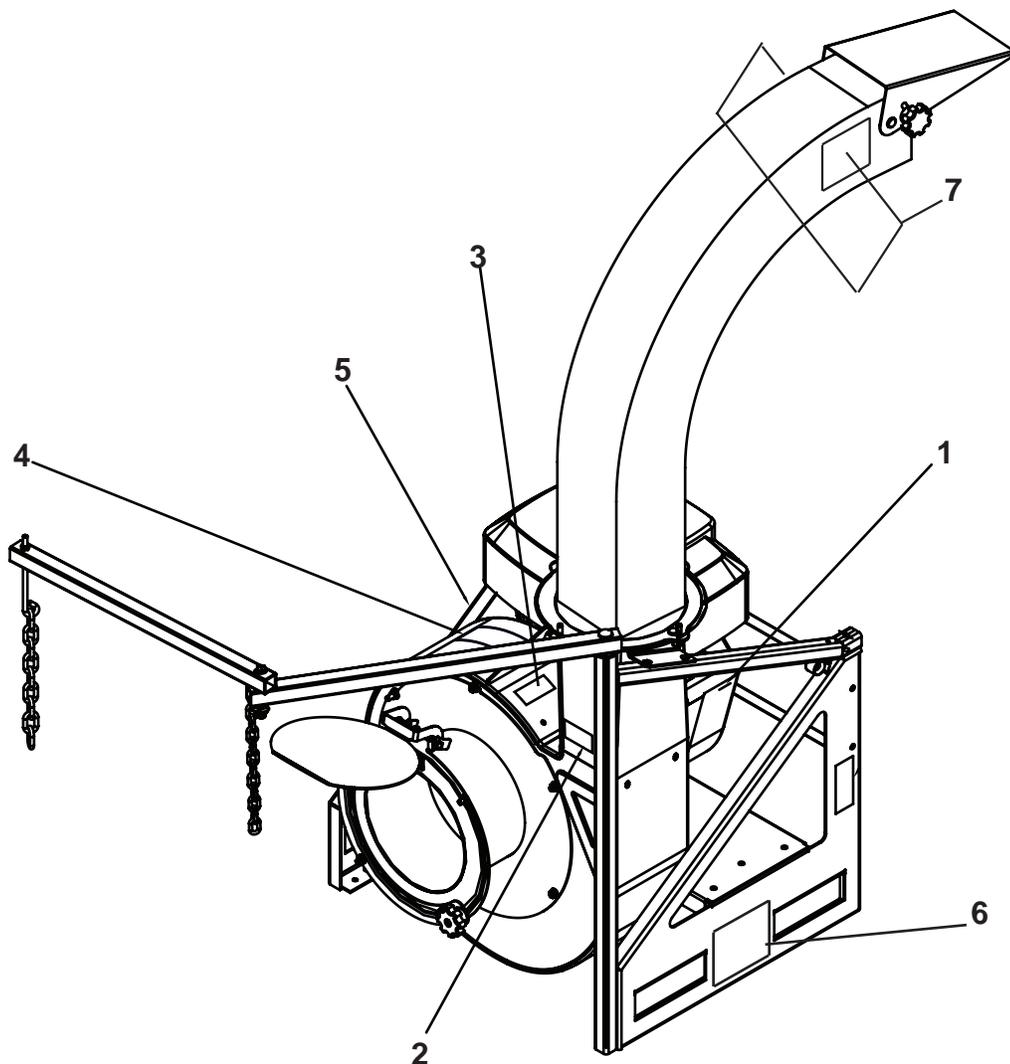


ITEM	PART NO.	DESCRIPTION	QTY
1	720100	HOSE FLANGE ASSY	1
2	114C	NUT LOCK 5/16-18 NYLON INSERT	2
3	720105	CLAMP FOR HOSE	2
4	720120	HOSE 10" DIA X 10.0 FT	1
5	720107	HOSE BAND	2
6	720108	INTAKE NOZZLE ASSY	1
7	942	BOLT 5/16-18 X 1-3/4" LG. GRADE 5	2

# DECALS

## FIGURE 2

# LITTLE WONDER TRUCKLOADER

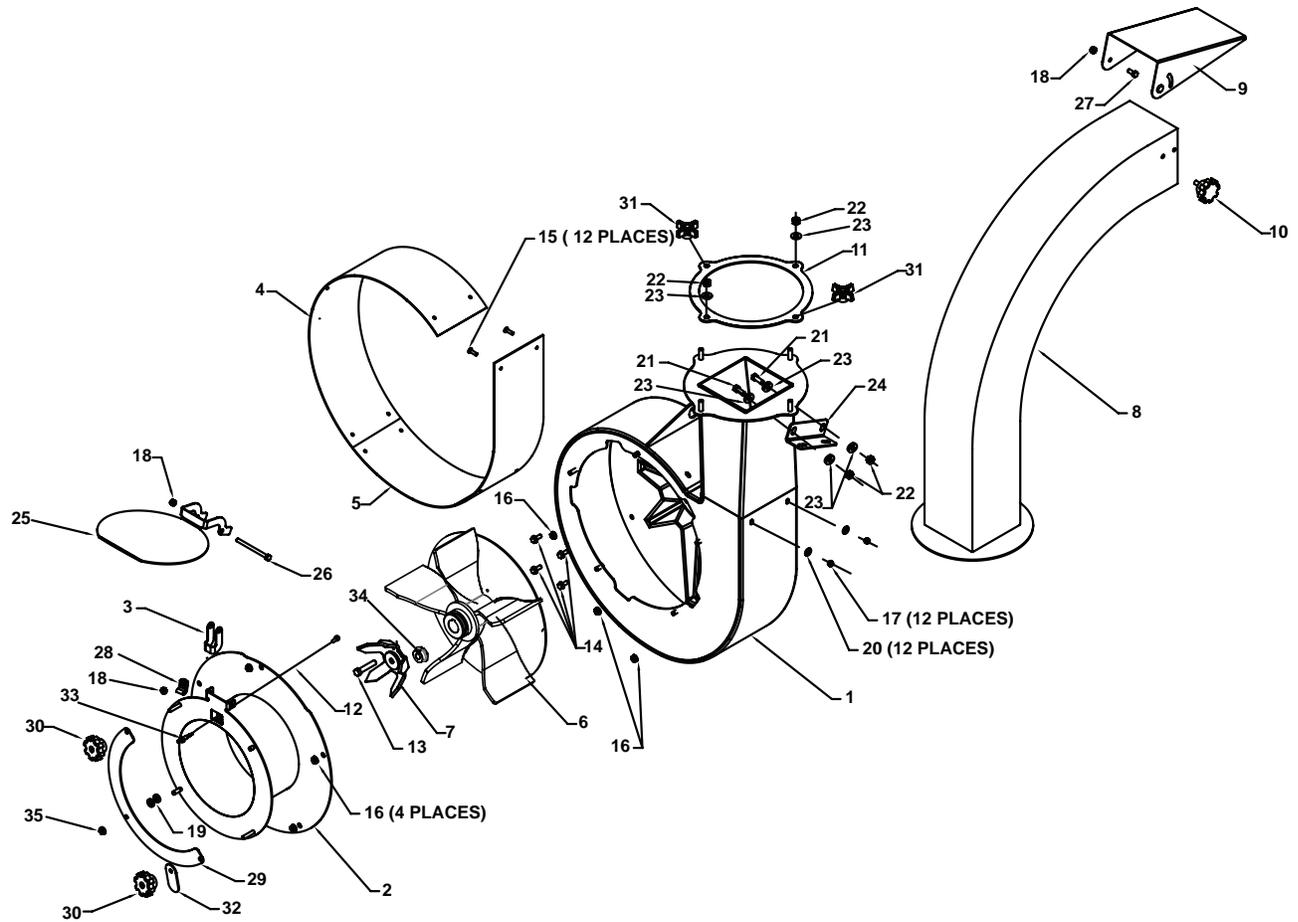


ITEM	PART NO.	DESCRIPTION	QTY
1	720603 4165344	LABEL-THROTTLE (USED ON 16HP MODEL ONLY) LABEL-THROTTLE (USED ON 18HP MODEL ONLY)	1
2	720601	LABEL-SEVERED FINGERS	1
3	720602	LABEL-LIFT HOOK	1
4	600602	LABEL-LW HOUSING WARNING	1
5	720600	LABEL-HOT SURFACE	1
6	720605	LABEL-TRK LDR SPEED/WEIGHT	1
7	720609	LABEL-THROWN OBJECTS	2

# LITTLE WONDER TRUCKLOADER

# HOUSING ASSEMBLY

## FIGURE 3

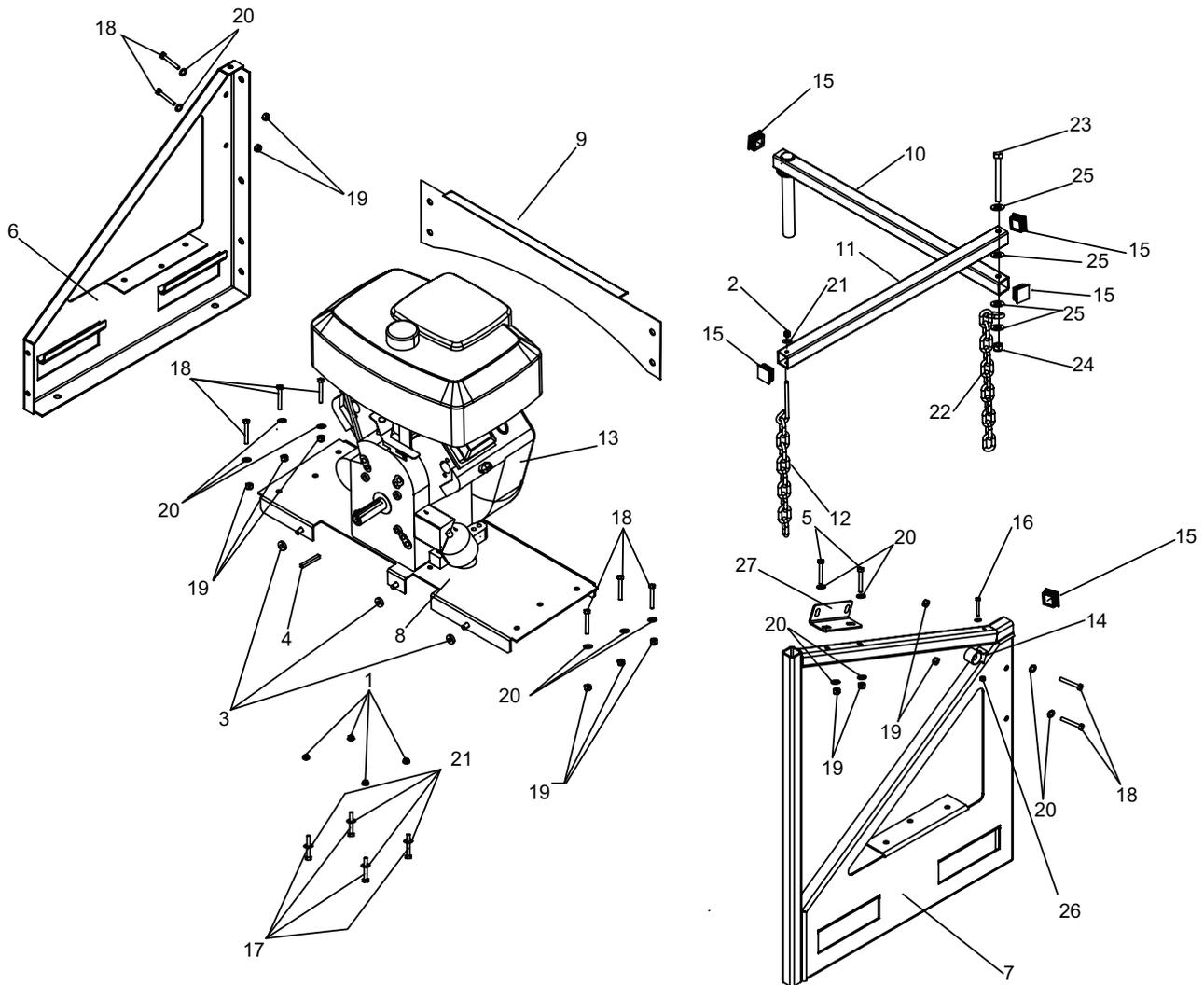


ITEM	PART NO.	DESCRIPTION	QTY	ITEM	PART NO.	DESCRIPTION	QTY
1	720200	HOUSING ASSY 16HP/18HP	1	22	720518	NUTLOCK 3/8-16 NYLON INSERT	18
2	720210	FRONT PLATE ASSY	1	23	720516	WASHER 3/8 USS FLAT	28
3	720214	SWITCH PLATE	1	24	720244	SUPPORT ANGLE	1
4	720215	HOUSING LINER LEFT HALF	1	25	720246	FLAPPER	1
5	720216	HOUSING LINER RIGHT HALF	1	26	720517	BOLT HEX 5/16-18 X 4" LG. GRADE 5	1
6	4167583	FAN ASSY 16HP/18HP - BALANCED	1	27	129C	BOLT HEX 5/16-18 X 3/4" LG. GRADE 5	1
7	4167576.17	TALON RING	1	28	701312	CLIP-WIRE HARNESS	1
8	720225	DISCHARGE CHUTE ASSEMBLY	1	29	720250	FLANGE RETAINER PLATE	1
9	720217	DEFLECTOR ASSY	1	30	154	KNOB-FEMALE THREAD, 5/16-18,R RED	2
10	910131	KNOB-MALE THREAD, 5/16-18, RED	1	31	720507	KNOB-FEMALE THREAD, 3/8-16, BLACK	2
11	720252	FLANGE CLAMP PLATE	1	32	720257	FLAPPER RETAINER	1
12	720232	WIRE ASSEMBLY	1	33	64255-01	INSERT RIVNUT 5/16-18	1
13	64123-303	BOLT 7/16-20 X 3-1/2" HEX HEAD GRD 8	1	34	4167579	DRIVER-TALON RING	1
14	910503	BOLT 5/16-24 X 3/4" FLNG GRD. 5	4	35	720586	5/16-18 LOCK FLANGE NUT	1
15	310501	SCREW 1/4/28 X 3/4" FL SCKET S.S.	12				
16	114B	NUT SERRATED FLANGE LOCK 5/16-18	13				
17	310502	NUT NYLOCK 1/4-28	12				
18	114C	NUT LOCK 5/16-18 NYLON INSERT	6				
19	720509	WASHER 5/16, 1/8" THICK	5				
20	720510	WASHER-FLAT 1/4	12				
21	8-57	BOLT 3/8-16 X 1" LG. GRADE 5	12				

# 16 HP FRAME ASSEMBLY

# LITTLE WONDER TRUCKLOADER

## FIGURE 4

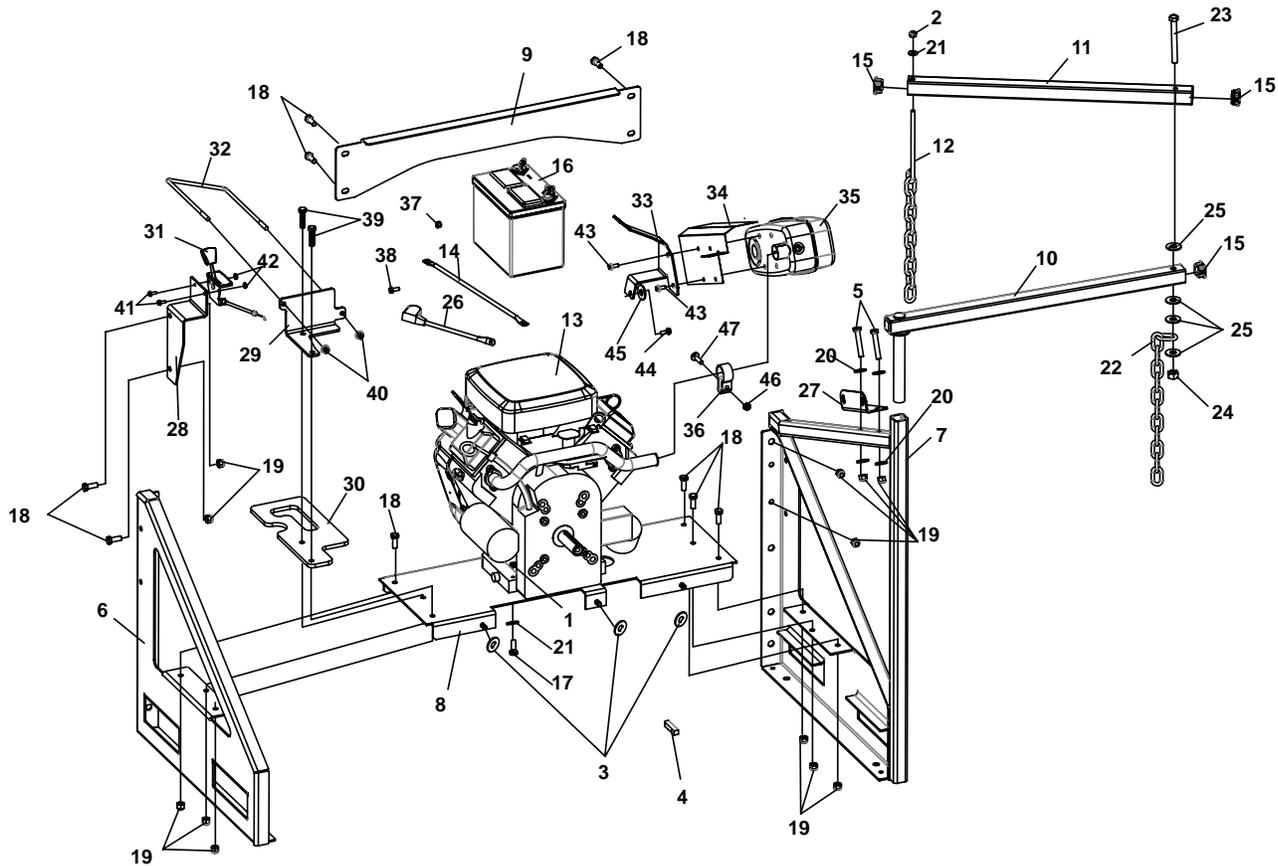


ITEM	PART NO.	DESCRIPTION	QTY	ITEM	PART NO.	DESCRIPTION	QTY
1	114B	NUT SERRATED FLANGE LOCK 5/16-18	4	15	720289	END PLUG 1-1/4" X 1-1/4" X 1/8" SQ TUBE	5
2	114C	NUT LOCK 5/16-18 NYLON INSERT	1	16	600545	BOLT 1/4-20 X 2-1/2" LG. GRADE 5	1
3	720509	WASHER 5/16, 1/8" THICK	3	17	942	BOLT 5/16-18 X 1-3/4" LG. GRADE 5	4
4	64164-45	KEY 1/4" X 1/4" X 4-5/16" LG.	1	18	8-57	BOLT 3/8-16 X 1" LG. GRADE 5	10
5	720505	BOLT 3/8-16 X 2-1/4" LG. GRADE 5	2	19	720518	NUT-LCK 3/8-16 NYLON INSERT	12
6	720300	FRAME RIGHT SIDE ASSEMBLY	1	20	720516	WASHER 3/8 USS FLAT	14
7	720305	FRAME LEFT SIDE ASSEMBLY	1	21	720511	FLAT WASHER 5/16 USS	5
8	720308	ENGINE MOUNTING PLATE ASSY	1	22	720533	CHAIN BOOM	1
9	4165238	FRAME REAR PANEL ASSY	1	23	720534	BOLT HEX 7/16-14 X 4" LG. GRADE 5	1
10	720326	BOOM ASSY	1	24	720535	NUT NYLOCK 7/16-14 ZINC	1
11	720314	TUBE SQUARE BOOM	1	25	720536	WASHER 7/16 USS FLAT	4
12	720322	CHAIN LOOP ASSY (3/8-16 THREAD)	1	26	64229-01	NUT-1/4-20	1
13	720900	ENGINE 16HP	1	27	720244	BRKT-SUPPORT	1
14	720325	GUIDE STARTER ROPE - B&S 396526	1				

# LITTLE WONDER TRUCKLOADER

# 18 HP FRAME ASSEMBLY

## FIGURE 5



ITEM	PART NO.	DESCRIPTION	QTY	ITEM	PART NO.	DESCRIPTION	QTY
1	114B	NUT-SERRATED FLANGE LOCK 5/16-18	4	26	272222-04	CABLE-RED BATTERY	1
2	114C	NUT-LOCK 5/16-18 NYLON INSERT	1	27	720244	ANGLE-SUPPORT	1
3	720509	WASHER-5/16, 1/8" THICK	3	28	4165304	BRKT-THROTTLE MOUNT	1
4	64164-45	KEY-1/4" X 1/4" X 4-5/16" LG.	1	29	4165239	BRKT-BATTERY	1
5	720505	BOLT-3/8-16 X 2-1/4" LG. GRADE 5	2	30	4165240	PLATE-BATTERY SUPPORT	1
6	720300	FRAME-RIGHT SIDE ASSEMBLY	1	31	4165332	CABLE-THROTTLE	1
7	720305	FRAME-LEFT SIDE ASSEMBLY	1	32	4163276	STRAP-BATTERY	1
8	720308	ENGINE-MOUNTING PLATE ASSY	1	33	4165241	BRKT-MUFFLER 18HP	1
9	4165238	FRAME-REAR PANEL ASSY	1	34	4165301	SHEILD-MUFFLER	1
10	720326	BOOM ASSY	1	35	108264	MUFFLER-B&S 794178	1
11	720314	TUBE SQUARE BOOM	1	36	35014N	CLAMP-MUFFLER	1
12	720322	CHAIN LOOP ASSY (3/8-16 THREAD)	1	37	64025-01	NUT-HEX 1/4-20	2
13	720905	ENGINE-18HP B&S	1	38	64123-89	BLT-HEX 1/4-20X3/4	2
14	108061-01	CABLE-BLACK BATTERY	1	39	64123-70	BLT-HEX 3/8-16X1-1/2	2
15	720289	END PLUG 1-1/4" X 1-1/4" X 1/8" SQ TUBE	5	40	64268-02	NUT-FL NYLON LOCK 5/16-18	2
16	108055	BATTERY-U1 250 CCA	1	41	64152-46	SCREW-SLT HH 10-24X 1/2	2
17	942	BOLT-5/16-18 X 1-3/4" LG. GRADE 5	4	42	64025-15	NUT-HEX #10-24 KEPS	2
18	8-57	BOLT-3/8-16 X 1" LG. GRADE 5	10	43	64152-27	SCREW-SP 1/4-20X5/8	4
19	720518	NUT-LOCK 3/8-16 NYLON INSERT	14	44	64205-021	BLT-METRIC M6-1X16	1
20	720516	WASHER-3/8 USS FLAT	4	45	64163-55	WSHR-.531X2X.125	1
21	720511	WASHER-FLAT 5/16 USS	5	46	64025-02	NUT-HEX 5/16-18	1
22	720533	CHAIN-BOOM	1	47	64018-14	BLT-CRG 5/16-18X1-1/4	1
23	720534	BOLT-HEX 7/16-14 X 4" LG. GRADE 5	1				
24	720535	NUT-NYLOCK 7/16-14 ZINC	1				
25	720536	WASHER-7/16 USS FLAT	4				



## 2 YEAR LIMITED SERVICE AND WARRANTY POLICY FOR LITTLE WONDER TRUCKLOADERS

All LITTLE WONDER TRUCKLOADERS are warranted against defects in material and workmanship for a period of two (2) years from the date of purchase, under the following terms and conditions.

LITTLE WONDER will repair or replace, at its option, any part or parts of the product found to be defective in material or workmanship during the warranty period. Warranty repairs and replacements will be made without charge for parts or labor. All parts replaced under warranty will be considered as part of the original product, and any warranty on the replaced parts will expire coincident with the original product warranty. If you think your LITTLE WONDER TRUCKLOADER is defective in material or workmanship, you must return it to a registered dealer with a valid sales receipt or to our factory at 1028 Street Rd., Southampton, PA 18966. Transportation charges to ship your product to us or a registered dealer must be borne by you.

Engines for all gasoline powered products are warranted separately by the engine manufacturer. Therefore, there are no warranties made, expressed or implied, for engines for gasoline powered products by LITTLE WONDER.

LITTLE WONDER assumes no responsibility in the event that the product was not assembled or used in compliance with any assembly, care, safety or operating instructions contained in the Owner's Manual or information accompanying the product. This limited warranty does not cover damages or defects due to normal wear and tear, lack of reasonable and proper maintenance, failure to follow operating instructions or Owner's Manual, misuse, lack of proper storage or accidents, nor does it cover routine maintenance parts and service. This limited warranty does not cover any defects due to repairs or alterations made to the product made by anyone other than LITTLE WONDER or its registered dealers.

You must maintain your LITTLE WONDER TRUCKLOADER by following the maintenance procedures described in the owner's manual. Such routine maintenance, whether performed by you or a registered dealer, is at your expense.

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PRODUCTS COVERED BY THIS 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 THAT 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

**LITTLE WONDER®**  
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