

Green Machine[®]

OWNER'S MANUAL

MODEL SP70 (UT26350) SERIAL NO.

IMPORTANT NOTE: USE THE ABOVE BOX TO FILL IN YOUR MODEL'S SERIAL NUMBER FOR YOUR RECORDS.

ASSEMBLY AND OPERATING INSTRUCTIONS

GREEN MACHINE[®] - LIMITED WARRANTY

The manufacturer warrants to the original retail purchaser that this Product is free from defects in material and workmanship and agrees to repair or replace, at Manufacturer's discretion, any defective product free of charge within these time periods from the date of purchase:

- Two years, if the Product is used for personal, family, or household use;
- One year, if the Product is used for commercial or any other use.

This warranty is not transferable and does not cover damage resulting from defects other than in material or workmanship, or damage caused by unreasonable use, including the failure to provide reasonable and necessary maintenance. In addition, this warranty does not cover general check-ups on electrical equipment, tune-ups on gasoline engines, or replacement of non-defective parts (such as electrical brushes, cables, plugs, spark plug, filters, starter ropes, etc.) that may wear and need to be replaced with reasonable use within the warranty period or which may require replacement in connection with normal maintenance. This warranty applies only to products sold within the United States of America, the District of Columbia, Canada, Mexico, the Commonwealth of Puerto Rico, the Virgin Islands, Guam, the Canal Zone, or American Samoa.

SAVE YOUR SALES SLIP

Proof of purchase in the form of your dated sales receipt, cash register slip, etc. showing the serial number and the model of your Product will be required before our dealers can perform warranty service on the Product. You must at your own expense, arrange to deliver or ship the Product for warranty repairs and arrange for pickup or return of the Product after repairs have been made.

This warranty does not apply to any trade accessory, engine, or electric motor which is separately warranted by another manufacturer and not manufactured by the manufacturer.

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY OR OTHERWISE, APPLICABLE TO THIS PRODUCT, SHALL BE LIMITED IN DURATION TO THE DURATION OF THIS LIMITED WARRANTY. THE MANUFACTURER SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES caused by unreasonable use, including the failure to provide reasonable and necessary maintenance. In addition, this warranty does not cover general check-ups on electrical equipment, tune-ups on gasoline engines or replacement of non-defective parts (such as electrical brushes, cables, plugs, spark plugs, filters, starter ropes, etc.) that may wear and need to be replaced with reasonable use within the warranty period or which may require replacement in connection with normal maintenance. This warranty applies only to products sold within the United States of America, the District of Columbia. **LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS. SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU**

HOW TO OBTAIN WARRANTY SERVICE

Warranty service can be obtained from a Green Machine[®] dealer authorized to make warranty repairs. If you need warranty service, check first with the dealer from whom you purchased the Product. **FOR WARRANTY SERVICE INFORMATION OUTSIDE THE USA AND CANADA, PLEASE CONTACT YOUR LOCAL GREEN MACHINE[®] DEALER.**

The manufacturer will not make any reimbursements for warranty service, except to Green Machine[®] dealers authorized to make warranty repairs. You must present your sales receipt when making any claim for warranty service.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

This warranty is given by Homelite, Inc. Post Office Box 7047, Charlotte, North Carolina 28241.

Green Machine[®]
by **John Deere**

P.O. Box 7047
14401 Carowinds Blvd.
Charlotte, N.C. 28241

P/N 19661

FORWARD

We are pleased that you have chosen Green Machine product to assist you with your work. your Green Machine product was assembled using the latest manufacturing methods and materials to bring you a product of the highest quality.

This Owner's Manual is provided to aid you in the proper assembly and the safe, reliable operation of your new Green Machine product. Read it and become thoroughly familiar with the proper operating procedures before you first use this product. Make sure anyone who operates your Green Machine product is fully acquainted with the proper operating procedures. Careful assembly, safe operation and proper maintenance in accordance with this Owner's Manual will provide you with maximum performance and product life.



Warning: FOR SAFE OPERATION, READ THESE INSTRUCTIONS BEFORE USING YOUR SPRAYER. FOLLOW ALL INSTRUCTIONS FOR SAFETY.

SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS!

We use the finest virgin plastics and high grade seals and gaskets, in the construction of our units in order to insure quality.

The sprayer you have purchased is of the highest quality; however, you as the user must take responsibility for the maintenance, and upkeep of the sprayer once it is in use.

Use proper protective gear and necessary clothing (gloves, goggles, spray suit, etc).

Wash out your sprayer after using it: chemicals should not be left sitting in the unit, this is not a storage tank. Inspection of seals and "O" rings should be performed routinely. Unit should be inspected every time before filling with the spray solution. If seals, hose, pump, straps, etc., look deteriorated, they should be replaced to prevent accidents. These maintenance checks will reveal when seals should be changed out and new ones installed. We do not warranty seals and "O" rings (rubber parts) since we have no control over the manner the equipment is used.

Although we use the finest quality, all rubber seals will deteriorate due to chemical attack and the user should be conscious of this fact and should replace the seals periodically. We recommend that a neutralizing solution be used to neutralize the chemical used in the sprayer.

Please read and follow all instructions before using sprayer.

- **THIS IS A HIGH PRESSURE UNIT. BE CAREFUL!!!!**
- Always inspect your sprayer thoroughly before and after each use. Check to be sure hose is securely attached and in good condition before pressurizing tank.
- We strongly recommend that protective clothing be worn when using sprayer (face mask, goggles, gloves, etc.) to avoid potential exposure to eyes, lungs, or skin.
- Never pressurize sprayer until ready to use.
- Never leave sprayer unattended after filling.
- Never leave unit unattended while pressurized.
- Carefully read and follow all chemical manufacturers instructions.
- Use with adequate ventilation. Avoiding breathing harmful vapor or spray mist.
- Do not spray on windy days.
- **NEVER** use GASOLINE or other FLAMMABLE or HOT materials or solution in tank. This could cause contents under pressure to explode.
- Never use caustic or corrosive materials in sprayer, which could result in damage to unit.
- Never attempt to pressurize unit by any other method than with the pump module provided. Never over-pressurize unit.
- Clean and rinse tank and spraying assembly after each use to prevent crystallizing, which would later cause clogging and chemical damage to unit.
- Do not store sprayer under pressure or with spray solution in tank.
- Use only appropriate Green Machine® replacement parts.
- Keep out of reach of children.
- This unit should not be used for other things than which it was intended.
- Use extreme caution when using this unit.

HOW TO ASSEMBLE

1. Attach spray wand to spray gun and tighten firmly.

Tighten hose clamps firmly, do not overtighten or strip hose clamps.

This is important because we do not fully tighten clamps at the factory in order to extend the life span of these parts. There are three (3) clamps; two (2) on the hose connector and one (1) on the bottom of the sprayer.

2. Take pump handle kit and insert into the tube, on the pump lever ("T" shape lever on sprayer), you will notice holes drilled through both sides of both the pump handle and the pump lever. Align these holes, take the hair pin provided and place through the holes. This affixes the handle in place and is ready for use.

For storage reverse process and then place hair pin through the pump lever to keep from losing hair pin.

3. Instructions for installing shoulder strap plastic buckle:

First put the sprayer on a hard, flat surface, take the white plastic buckle and while holding the sprayer up slightly, place buckle under the tubular metal frame. Slowly push down, forcing the frame into the buckle. Repeat the same procedure for the other side.

HOW TO PREPARE YOUR UNIT FOR USE

1. Remove cap.
2. Mix solution in a separate receptacle, following manufacturer's directions on the container.
3. Pour pre-mixed solution into sprayer and replace cap.
4. Place sprayer on back and pressurize tank by pumping approximately 5 to 11 times.
5. You will need to pump occasionally to maintain the desired spraying pressure.
6. Always oil the seal on the cap of unit as well as the check valve, this will extend the life of the seal and is important for obtaining proper seal for no leaks.
7. A unit that has been used with herbicides should **never** be used to spray insecticides, **unless the sprayer has been properly cleaned and all other chemicals neutralized.** Failure to do this could cause you to kill plants that have been sprayed. Consult with the manufacturer of the chemicals in use to obtain proper instructions.

HOW TO CLEAN AND MAINTAIN

1. Remove cap and pour out remaining solution, then rinse all parts thoroughly with clean water.
2. Leaving approximately 1/2 gallon of fresh water in tank, pressurize and flush pumping system by depressing trigger at least 2 minutes, then drain all remaining water.
3. Always store tank clean and empty in a dry, shaded location.

CAUTIONS

Failure to follow manufacturers recommendation on use and care of unit will void any expressed or implied warranty.

TROUBLE SHOOTING GUIDE

PROBLEM

The unit is new or has not been used for a long time. You pump it but you are unable to build pressure and/or no fluid comes out of the wand.

Cause:
The check valves in the pump module have become stuck, and/or there is an air lock in the unit because of differences of pressure. Note: This is not uncommon.

Solution:
Squeeze trigger on spray gun to release air, and pump profusely several times.
This will break the seals and allow fluid to pass.

PROBLEM

When you squeeze the trigger on the spray gun, it sticks and is slow in returning to the shut off position when you release trigger.

Cause:
The "O" rings have been under chemical attack and have deteriorated.

Solution:
Replace "O" rings in spray pistol and on brass spindle inside the spray gun. If these "o" rings have deteriorated you should also replace all other "O" rings and seals in your sprayer before leaks or other problem occur.

PROBLEM

The pin in the spray pistol sticks when pushed, when you release the trigger, the pin does not come back up to shut off the flow.

Cause:
The "O" rings and washer on the spindle inside the spray pistol have deteriorated from age or chemical attack.

Solution:
Unscrew cap on bottom of spray pistol, push out brass spindle and replace the "O" rings and washer.

PROBLEM

Your unit has been in use for some time. You pump the unit, however; you cannot build pressure, in fact. if you stop pumping, very little liquid will come out.

Cause:

1. The "O" rings and the check valve on the pump module have been attacked by chemicals and are no longer sealing. There are two "O" rings, one large, one smaller, and one check valve.
2. The pressure chamber has expanded due to pressure and/or chemical attack.

Solution:

1. Change out the "O" rings and seals from the pump module. If these seals have deteriorated, you should change out all rubber seals in the unit. If the above does not solve your problem, then,
2. You should change out the pressure chamber and install a new one.

PROBLEM

The unit leaks where the pump module is connected (screws in) to the sprayer.

Cause:
The "O" rings have deteriorated.

Solution:
Change out the "O" rings and seals from pump module.
At this point one should change out all rubber seals in the unit.

PROBLEM

Unit is brand new and is leaking from where the hose connects with the sprayer and possibly where the large hose clamp holds pump module and chamber in place.

Cause:

The factory does not fully tighten these clamps to ensure longer life. There is an orange tag on the side of unit that says hose clamps should be tightened.

Solution:

Tighten clamps with screwdriver.

PROBLEM

Fluid is leaking from cap where it screws into the tank and should seal with the tank.

Cause:

Because of capillary action, fluid is being pulled through by pressure.

Solution:

Cap may be loose.

Oil the gasket (any type of oil (30 wt). This will stop the passage of fluid.

PROBLEM

Unit falls onto its side and leaks through the center of the cap where the check valve is.

Cause:

Deteriorated check valve, or could have dust, dirt or foreign matter stuck in valve.

Solution:

Pull check valve out. If deteriorated, replace. If not, clean out. Place small drop of oil and re-install.

PROBLEM

Unit works properly, but the tank starts to collapse – you can not unscrew to pull the cap off the unit. It seems to have created a vacuum.

Cause:

The vent hole in the cap has become clogged with dirt and is not allowing air into the tank.

Solution:

Take a small wire and push it through the vent hole. This will allow air into tank and release the vacuum. Take cap off, clean vent hole, clean check valve, oil valve and re-install.

PROBLEM

Unit is leaking from the area just below where the large metal or plastic clamp is - where the pump module and pressure chamber enters the unit.

Cause:

1. The hose clamp is loose.
2. The "O" ring has deteriorated.

Solution:

1. Tighten hose clamp.
2. Install new "O" rings.

If the "O" ring has deteriorated, you should install all new ones.

Green Machine®



Green Machine®
by John Deere

PRODUCT REGISTRATION CARD

Mr. Mrs. Ms. Miss.

First Name _____ Initial _____ Last Name _____

Job Title _____ Company Name _____

Address _____

City _____ State _____ Zip Code _____ Telephone Number _____

UT Number _____ Serial Number _____ Date of Purchase _____ Price Paid \$ _____

Store Name _____ Customer Number _____

Do you plan to purchase any of the following products in the next 1-12 months? (Check all that apply)

	1-6 Months	7-12 Months		1-6 Months	7-12 Months
Backpack Blowers	<input type="checkbox"/>	<input type="checkbox"/>	String Trimmers	<input type="checkbox"/>	<input type="checkbox"/>
Chain Saws	<input type="checkbox"/>	<input type="checkbox"/>	Brushcutters	<input type="checkbox"/>	<input type="checkbox"/>
Handheld Blowers	<input type="checkbox"/>	<input type="checkbox"/>	Edgers	<input type="checkbox"/>	<input type="checkbox"/>
Hedge Trimmers	<input type="checkbox"/>	<input type="checkbox"/>	Walk-Behind Lawn Mowers	<input type="checkbox"/>	<input type="checkbox"/>

How do you classify your company? (Check all that apply)

- Lawn Care Company Golf Course
- Landscape Contractor Institutional Grounds Care (parks, government, schools, etc.)
- Chemical Application Other

What other equipment do you use regularly in your business? (Check all that apply)

- | | | |
|--|--|---|
| <input type="checkbox"/> Backpack Blowers | <input type="checkbox"/> Hedge Trimmers | <input type="checkbox"/> Tillers |
| <input type="checkbox"/> Brushcutters | <input type="checkbox"/> Sprayers (Portable) | <input type="checkbox"/> Vacuums |
| <input type="checkbox"/> Chain Saws | <input type="checkbox"/> Spreaders | <input type="checkbox"/> Walk-Behind Edgers |
| <input type="checkbox"/> Chipper/Shredders | <input type="checkbox"/> Stick Edgers | <input type="checkbox"/> Other |
| <input type="checkbox"/> Hand Held Blowers | <input type="checkbox"/> String Trimmers | |

Number of people employed by your company:

- | | |
|----------------------------------|----------------------------------|
| <input type="checkbox"/> 1 - 14 | <input type="checkbox"/> 45 - 59 |
| <input type="checkbox"/> 15 - 29 | <input type="checkbox"/> 60 - 74 |
| <input type="checkbox"/> 30 - 44 | <input type="checkbox"/> 75 + |

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