



4 GALLON SPRAYER

Model 93302

ASSEMBLY AND OPERATING INSTRUCTIONS



Due to continuing improvements, actual product may differ slightly from the product described herein.



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Visit our Web site at: <http://www.harborfreight.com>

**TO PREVENT SERIOUS INJURY,
READ AND UNDERSTAND ALL WARNINGS
AND INSTRUCTIONS BEFORE USE.**

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For technical questions, please call 1-800-444-3353.

PRODUCT SPECIFICATIONS

Item	Description
Tank Capacity	4 Gallons
Product Compatibility	For use with Water, Liquid Fertilizers, Herbicides, and Pesticides only.
Pump Type	Manual (Hand Operated Piston Pump)
Adjustable Spray Gun Assembly	From 16-3/4" Long To 29-1/4" Long
Overall Dimensions	16-1/2" W x 21" H x 7-1/4" Tall
Tank Fill Opening	3-3/4" Diameter (with Plastic Filter Insert)
Net Weight	8.0 Pounds (Empty)

SAVE THIS MANUAL

You will need this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures, parts list and assembly diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep this manual and invoice in a safe and dry place for future reference.

GENERAL SAFETY RULES

When unpacking, check to make sure all the parts shown in the **Parts List on page 9** are included. If any parts are missing or broken, please call Harbor Freight Tools at the number shown on the front cover of this manual as soon as possible.

GENERAL SAFETY RULES

IMPORTANT SAFETY INSTRUCTIONS



READ AND UNDERSTAND ALL INSTRUCTIONS
Failure to follow all instructions detailed in this manual may
result in serious personal injury.

SAVE THESE INSTRUCTIONS

WORK AREA

1. **Keep your work area clean and well lit.** Cluttered and dark work areas invite accidents.

2. **Keep bystanders, children, and visitors away while operating the Sprayer.** Distractions can cause you to lose control.

PERSONAL SAFETY

3. **Stay alert.** Watch what you are doing, and use common sense when operating a power tool. Do not use the Sprayer while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.
4. **Dress properly.** Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.
5. **Do not overreach.** Keep proper footing and balance at all times. Proper footing and balance enables better control of the Sprayer in unexpected situations.
6. **Always wear eye, breathing, and skin protection.** Wear ANSI approved safety impact goggles, an ANSI approved respirator, latex gloves, and proper safety clothing when using this product.

TOOL USE AND CARE

7. **Do not force the Sprayer.** Use the correct product for your application. The correct product will do the job better and safer at the rate for which it is designed.
8. **Store idle tools and equipment out of reach of children and other untrained people.** Tools and equipment are dangerous in the hands of untrained users.
9. **Maintain the Sprayer with care.** Keep this product clean. A properly maintained tool is easier to control. Do not use damaged tools and equipment. Tag damaged tools and equipment "Do not use" until repaired.
10. **Check for misalignment or binding of moving parts, loose or broken parts, and any other condition that may affect the Sprayer's operation.** If damaged, have the Sprayer serviced before using. Many accidents are caused by poorly maintained tools and equipment.
11. **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one product may become hazardous when used on another product.

SERVICE

12. **Product service must be performed only by qualified service technician.** Service or maintenance performed by unqualified personnel could result in a risk of injury.
13. **When servicing the Sprayer, use only identical replacement parts.** Follow instructions in the *“Inspection, Maintenance, And Cleaning”* section of this manual. Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.

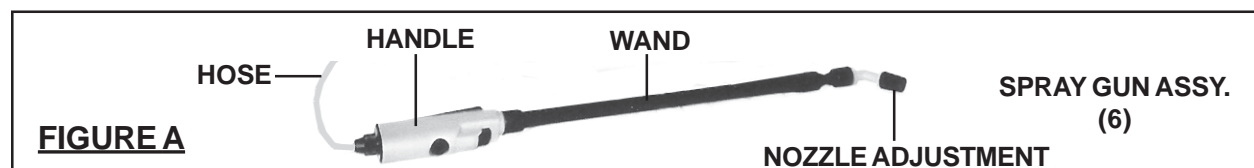
SPECIFIC SAFETY RULES

1. **Maintain labels and nameplates on the Sprayer.** These carry important information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
2. **Use the right product for the job.** There are certain applications for which this product was designed. Do not use small tools, equipment, or attachments to do the work of larger industrial tools, equipment, or attachments. Do not use this product for a purpose for which it was not intended.
3. **Industrial applications must follow OSHA requirements.**
4. **Store idle tools.** When not in use, store the Sprayer in a clean, dry, safe location out of reach of children.
5. **Be careful when filling, so as not to splash liquids into face or eyes.** Always wear ANSI approved safety goggles.
6. **This Sprayer is intended to be used only with water, liquid fertilizers, liquid herbicides, and liquid pesticides. Never attempt to spray flammable, combustible, or corrosive liquids with the Sprayer.**
7. **Always follow all chemical label precautions and local EPA regulations when using liquid chemicals.** Do not touch harmful chemicals. After use, clean the Sprayer thoroughly with agents recommended by the chemical manufacturer. Always consider contents of the Sprayer to be poisonous due to contamination, if previously used.
8. **Never point the nozzle of the Spray Gun Assembly at yourself or other people.** Always be alert to the direction of the wind to insure contents of the Sprayer are not blown back at the operator. Never spray if windy conditions are present.
9. **A note on Chemicals disposal:** Never attempt to burn unused fertilizers, herbicides, pesticides, or any other types of chemicals. Make sure to check with your local solid waste authorities for proper disposal procedures.
10. **Always make sure children and animals do not have access to chemically treated areas.**

11. **Dry running will cause damage to the inner seals.** Make sure the water or liquid chemical supply used for the Sprayer is not dirty or sandy.
12. **Do not pull or carry the Sprayer by its Spray Gun Assembly.** Use the Handle on the Sprayer to move the tool from one location to another.
13. **The work area should have adequate drainage to reduce the possibility of a fall due to slippery surfaces.**
14. **This product is designed for outdoor use only.**
15. **Keep the Cap and Spray Gun Assembly of the Sprayer connected to the tool while the system is pressurized.** Prior to refilling or emptying the Tank, squeeze the Trigger on the Spray Gun Assembly to completely depressurize the system.
16. **Prior to starting the Sprayer in cold weather, check all of the parts of the tool to make sure ice has not formed.** Do not store the Sprayer where the temperature will fall below 32° Fahrenheit.
17. **Do not keep water or any liquid chemicals in the Sprayer after use.**
18. **Make sure to clean the Filter of the Sprayer before each use.**
19. **Never leave the Sprayer unattended.** When finished using the Sprayer, empty the unit. Thoroughly clean the unit and store it in a clean, dry, safe location out of reach of children.
20. **⚠ WARNING!** The warnings and cautions discussed in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

ASSEMBLY AND OPERATING INSTRUCTIONS

1. Prior to use, the Wand of the Spray Gun Assembly (6) must be attached to the Handle of the Spray Gun Assembly. To do so, simply screw the Wand firmly onto the male threads of the Handle. **(See Figure A.)**




2. **⚠ CAUTION! Always wear eye, breathing, and skin protection.** Wear ANSI approved safety impact goggles, an ANSI approved respirator, latex gloves, and proper safety clothing when using this product.
3. Prior to filling the Tank (1) of the Sprayer with liquid, remove the Cap (2) and check to make sure the Filter (3) is clear of dirt and debris. If necessary, remove the Filter and thoroughly clean. Next, insert the Filter back into the opening of the Tank. Fill the Tank with up to 4 gallons of liquid. Then, replace the Cap on the Tank. **(See Assy. Diagram.)**
4. **NOTE:** The Sprayer is heavy when completely filled with liquid. Always get assistance when strapping the Sprayer onto your body. If necessary, adjust the Strap Assembly (7) for comfort. **(See Assy. Diagram.)**
5. Always make sure other adults, children, and animals do not have access to the area(s) in which you intend to chemically treat.
6. Grip the Handle of the Spray Gun Assembly (6) firmly with your right hand. **(See Assy. Diagram.)**
7. With your left hand, pump the Hand Pump Assembly (5) to build up sufficient pressure in the Sprayer system. Once the system is pressurized (as indicated by an increased tension on the Hand Pump Lever), you may discontinue pumping the Hand Pump Assembly. **(See Assy. Diagram.)**
8. Point the Nozzle of the Spray Gun Assembly (6) toward the area to be sprayed. Then, squeeze the Trigger on the Spray Gun Assembly to begin spraying. **(See Assy. Diagram.)**
9. **NOTE:** The Nozzle of the Spray Gun Assembly (6) may be adjusted for a *pin-point* spray or a *fan* spray. **(See Assy. Diagram.)**
10. As you spray, the system will begin to depressurize. When the distance of the spray diminishes you will need to stop spraying momentarily. Then, resume pumping the Hand Pump Assembly (5) to re-pressurize the system before spraying again. **(See Assy. Diagram.)**
11. If it becomes necessary to refill the Tank (1) of the Sprayer, continue squeezing the Trigger on the Spray Gun Assembly (6) to completely de-pressurize the system. Remove the Cap (2) from the Tank. Check to make sure the Filter (3) is clear of dirt and debris. Refill the Tank with liquid, and replace the Cap. Pump the Hand Pump Assembly (5) to pressurize the system, and continue spraying. **(See Assy. Diagram.)**
12. When finished spraying, de-pressurize the system. Remove the Cap (2) from

the Tank (1) and empty any remaining liquid into a safe and secure container. Clean the Sprayer thoroughly with agents recommended by the chemical manufacturer. Allow the unit to air-dry. Replace the Cap, and store the Sprayer in a clean, dry, safe location out of reach of children. **(See Assy. Diagram.)**


TROUBLESHOOTING

Problem	Possible Solution
Unit does not spray.	<p>Make sure there is an adequate amount of liquid in the Tank.</p> <p>Pump the Hand Pump Assy. to pressurize the system. (Do not squeeze the Trigger on the Spray Gun Assembly when performing this procedure.)</p> <p>Make sure the Cap is screwed on tightly.</p> <p>Make sure all connections to the Tank are secure.</p> <p>Make sure all connections on the Spray Gun Assy. are secure.</p> <p>Make sure the Nozzle on the Spray Gun Assy. is clear of dirt and debris.</p>
The spray pattern is undesirable.	<p>Adjust the Nozzle on the Spray Gun Assy. to a "pinpoint" or "fan" pattern.</p> <p>Make sure the Nozzle on the Spray Gun Assy. is clear of dirt and debris.</p>

INSPECTION, MAINTENANCE, AND CLEANING

1.  **CAUTION!** Always de-pressurize the system before performing any inspection, maintenance, or cleaning of the Sprayer.
2. **Before each use**, inspect the general condition of the Sprayer. Check for misalignment or binding of moving parts, damaged or loose parts, dirt or debris in the Filter, and any other condition that may affect the tool's safe operation. If abnormal noise or vibration occurs, have the problem corrected before further use. **Do not use damaged equipment.**
3. **Periodically**, lubricate all moving parts of the Handle Pump Assembly.
4. **To clean:** If using liquid chemicals, flush the interior and clean the exterior of the

Sprayer and its Spray Gun Assembly thoroughly with cleaning agents recommended by the chemical manufacturer. Then, allow to air-dry. Do not use solvents.

5. **When storing:** Always completely empty the Sprayer of liquid. Frost will damage the Sprayer if the unit contains liquid. Store the Sprayer in an indoor area such as a garage or shed. **Make sure to store the Sprayer and any chemicals in a safe, dry, clean location out of reach of children.**
6.  **CAUTION!** All maintenance, service, and repairs not discussed in this manual should only be performed by a qualified service technician.

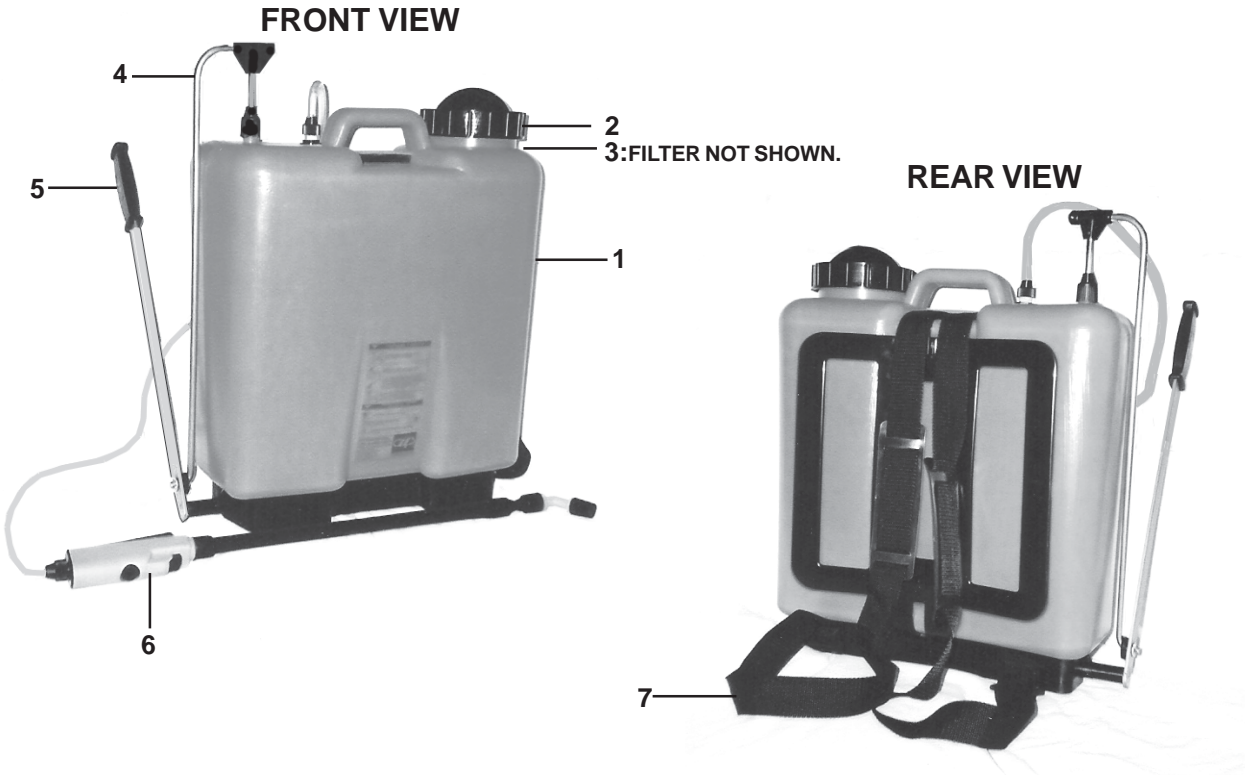
PLEASE READ THE FOLLOWING CAREFULLY
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THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISKS AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

PARTS LIST AND ASSEMBLY DIAGRAM

Part #	Description	Qty.	Part #	Description	Qty.
1	Tank	1	5	Hand Pump Assembly	1
2	Cap	1	6	Spray Gun Assembly*	1
3	Filter	1	7	Strap Assembly	1
4	Tube	1			

* Includes Handle, Wand, and Hose.



NOTE:

Some parts are listed and shown for illustration purposes only,
and are not available individually as replacement parts.

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