

REUSABLE / REFILLABLE AEROSOL SPRAY CAN

Model 1102

SET UP AND OPERATING INSTRUCTIONS



Distributed exclusively by Harbor Freight Tools®.

3491 Mission Oaks Blvd., Camarillo, CA 93011

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**Read this material before using this product.
Failure to do so can result in serious injury.
SAVE THIS MANUAL.**

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

SAVE THIS MANUAL

Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

Safety Alert Symbol and Signal Words

In this manual, on the labeling, and all other information provided with this product:



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

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, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.





NOTICE

NOTICE is used to address practices not related to personal injury.

CAUTION

CAUTION, without the safety alert symbol, is used to address practices not related to personal injury.

Symbol Definitions

Symbol	Property or statement
	WARNING marking concerning Risk of Eye Injury. Wear ANSI-approved eye protection.
	WARNING marking concerning Risk of Hearing Loss. Wear hearing protection.
	WARNING marking concerning Risk of Respiratory Injury. Wear NIOSH-approved dust mask/respirator.
	WARNING marking concerning Risk of Explosion.

IMPORTANT SAFETY INSTRUCTIONS

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

WARNING – When using tools, basic precautions should always be followed, including the following:

General


- To reduce the risks of electric shock, fire, and injury to persons, read all the instructions before using the tool.


Work area

- a. **Keep the work area clean and well lighted.** Cluttered benches and dark areas increase the risks of electric shock, fire, and injury to persons.
- b. **Do not operate the tool in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** The tool is able to create sparks resulting in the ignition of the dust or fumes.
- c. **Keep bystanders, children, and visitors away while operating the tool.** Distractions are able to result in the loss of control of the tool.

Personal safety

- a. **Stay alert. Watch what you are doing and use common sense when operating the tool. Do not use the tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating the tool increases the risk of injury to persons.
- b. **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair increases the risk of injury to persons as a result of being caught in moving parts.
- c. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.


- d.  **Use safety equipment.** A dust mask, non-skid safety shoes and a hard hat must be used for the applicable conditions. Wear heavy-duty work gloves during use.

- e.  **Always wear eye protection.** Wear ANSI-approved safety goggles.

Tool use and care

- a. **Do not force the tool.** Use the correct tool for the application. The correct tool will do the job better and safer at the rate for which the tool is designed.
- b. **Disconnect the tool from the air source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool unintentionally. Turn off and detach the air supply, safely discharge any residual air pressure, and release the throttle and/or turn the switch to its off position before leaving the work area.
- c. **Store idle tool out of reach of children and other untrained persons.** A tool is dangerous in the hands of untrained users.
- d. **Maintain tool with care.** A properly maintained tool is easier to control.
- e. **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that affects the tool's operation.** If damaged, replace Spray Can. There is a risk of bursting if the tool is damaged.

Air source

- a.  **Never connect to an air source that is capable of exceeding 90 PSI.** Over pressurizing the tool may cause bursting, abnormal operation, breakage of the tool or serious injury to persons. Use only clean, dry, regulated compressed air at the rated pressure or within the rated pressure range as marked on the tool. Always verify prior to using the tool that the air source has been adjusted to the rated air pressure or within the rated air-pressure range.
- b. **Never use oxygen, carbon dioxide, combustible gases or any bottled gas as an air source for the tool.** Such gases are capable of explosion and serious injury to persons.

SAVE THESE INSTRUCTIONS.

Specific Safety Instructions

1. The warnings and precautions 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.
2. Do not use with bottled gases.
3. Always keep Sealing Gasket (3) in place.
4. Check all local laws regarding use.
5. Do not puncture or incinerate Spray Can.

6. Do not use with corrosive products.
7. A tire chuck (not included) must be attached to the air supply hose in order to pressurize Spray Can.
8. Do not expose to heat or store at temperature above 120° F.
9. Obey the manual for the hand pump and the compressor used to power this tool.
10. Flush the system with pressurized clean water after use with liquids other than water.
11. Do not overfill the Spray Can. It holds 16 fluid ounces (max. filled liquid should not exceed 8 fluid ounces.)
12. Read warnings of fluids and applications used with Spray Can. Adhere to all safety warnings concerning handling of applications.
13. DO NOT spray up wind.
14. Before storing, discharge contents, flush with clean water, and wash and dry exterior. Then store in a safe place out of reach of children.

SAVE THESE INSTRUCTIONS.

Specifications

Max. Air Pressure	90 PSI
Air Inlet	Schrader (Bicycle) Valve
Capacity	16 fluid ounces
Spray Buttons (4)	Coarse Spray (Green) Medium Spray (Black) Fine Spray (Blue) Jet (No color; equipped with opening for jet spray extension)

INITIAL TOOL SET UP/ ASSEMBLY



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Note: For additional information regarding the parts listed in the following pages, refer to the Assembly Diagram near the end of this manual.

Unpacking

When unpacking, make sure that the item is intact and undamaged. If any parts are missing or broken, please call Harbor Freight Tools at the number shown throughout the manual as soon as possible.

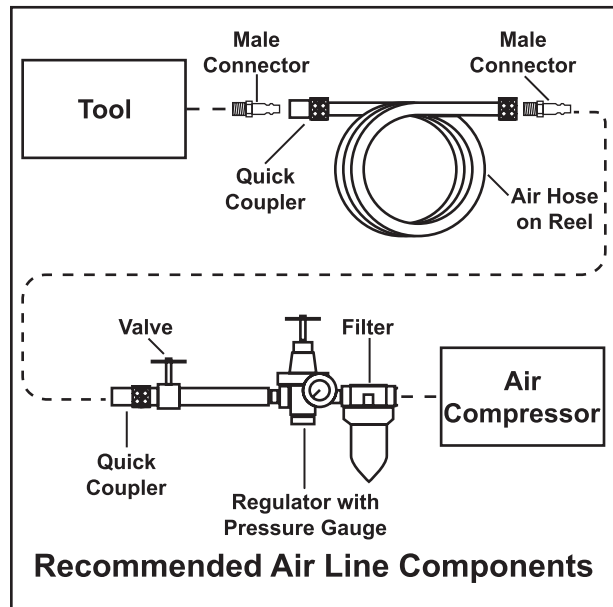
- This air tool may be shipped with a protective plug covering the air inlet. Remove this plug before set up.

Air Supply

⚠ WARNING TO PREVENT EXPLOSION:



Use only clean, dry, regulated, compressed air to power this tool. Do not use oxygen, carbon dioxide, combustible gases, or any other bottled gas as a power source for this tool.



1. Incorporate an in-line shut-off valve, regulator with pressure gauge, and filter for best service, as shown in the diagram above. **An in-line shutoff valve is an important safety device because it controls the air supply in the event of an air hose rupture or other emergencies.**
2. Attach a tire chuck to one end of the air supply hose and the other end of the hose to the air supply (neither one is supplied.)

Note: Air flow, and therefore tool performance, can be hindered by under-sized air supply components.

3. Close the in-line safety valve between the compressor and the tool.
4. Turn on the air compressor according to the manufacturer's directions and allow it to build up pressure until it cycles off.
5. Adjust the air compressor's output regulator so that the air output is enough to properly charge the tool, but the output will not exceed the tool's maximum air pressure requirement at any time. Adjust the pressure gradually, while checking the air output gauge to set the right pressure range.
6. Inspect the air connections for leaks. Repair any leaks found.

Note: Residual air pressure should not be present after the tool is disconnected from the air supply. However, it is a good safety measure to attempt to discharge the tool in a safe fashion after disconnecting to ensure that the tool is disconnected and unpowered.

OPERATING INSTRUCTIONS



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Inspect tool before use, looking for damaged, loose, and missing parts. If any problems

are found, do not use tool until repaired or replaced.

Tool Set Up

⚠ WARNING TO PREVENT SERIOUS INJURY:

Do not adjust or tamper with any control or component in a way not specifically explained within this manual. Improper adjustment can result in tool failure or other serious hazards.

General Operating Instructions

1. Twist off the Head Unit (1) from the Tank (4) and inspect the Sealing Gasket (3). Replace if damaged.
2. If used with liquids, fill **ONLY** halfway with the liquid to be sprayed (max. 8 fluid ounces.)
3. Replace the Head Unit and twist shut.
4. Unscrew and remove Valve Cap (10), place the other end of Cap into valve stem and check that valve core (not shown) is tight.
5. Attach Air Chuck to Valve Stem (2).
6. Pressurize Spray Can to 90 PSI max. **WARNING!** Be careful of discharge during fitting.
7. Fit selected Spray Button onto top of Head Unit:
 - a.) **Coarse Spray - Green Button (6).** Use on heavy viscous liquids such as oil and wax
 - b.) **Medium Spray - Black Button (7).** Use on medium viscous liquids such as paints, window cleaner.

c.) **Fine Spray - Blue Button (8).** Use on this viscous liquids such as insecticides, water, or final coating cellulose.

d.) **Jet Spray - No Color (5).** Used Jet Extension (4) for hard to reach spots. Attach the Jet Extension to Jet Spray before inserting it into Spray Can.

8. Shake can to mix liquid contents. Then hold upright and press on Spray Button.

USER-MAINTENANCE INSTRUCTIONS



Procedures not specifically explained in this manual must be performed only by a qualified technician.

⚠️ WARNING

TO PREVENT SERIOUS INJURY

FROM ACCIDENTAL OPERATION: Detach the air supply, safely discharge any residual air pressure in the tool before performing any inspection, maintenance, or cleaning procedures.

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE: Do not use damaged equipment. If abnormal noise, vibration, or leaking air occurs, have the problem corrected before further use.

Cleaning, Maintenance, and Lubrication

Note: These procedures are in addition to the regular checks and maintenance explained as part of the regular operation of the air-operated tool.

1. When finished, discharge air pressure by pressing on the stem of the valve core with a narrow screwdriver tip. Twist of the Head Unit (1) and empty contents of Tank (4) in a safe area.
2. Fill the Spray Can with fifty percent fresh water and reattach the Head Unit.
3. Pressurize the Spray Can. Aim the Button into a bucket containing some water and depress the button to discharge the Tank contents, flushing the system.
4. Clean external surface of the tool with a clean, dry cloth. Then store indoors and out of reach of children.

NOTE: This step can be omitted if the Spray Can was used with fresh-water applications or as an air duster.

Troubleshooting

Problem	Possible Causes	Likely Solutions
Spray only "jets".	<ol style="list-style-type: none"> 1. Can is overfilled. 2. Product is too thin. 3. Incorrect air pressure. 4. Button has been blocked. 5. Broken Spray Button. 	<ol style="list-style-type: none"> 1. Make sure can is not filled over 50 percent with liquid. 2. Add product with correct thickness. 3. Make sure air pressure is between 50 and 90 PSI. 4. Clean or replace clogged button. 5. Pry out Spray Button and replace with new one. Do not insert anything through supply tube attached to the valve body.
Air bubbles appear in sprayed material.	<ol style="list-style-type: none"> 1. Incorrect air pressure. 2. Using incorrect Spray Button. 	<ol style="list-style-type: none"> 1. Make sure air pressure is between 50 and 90 PSI. 2. Switch Spray Buttons and apply finer coating before coating dries.
Severe air leakage.	<ol style="list-style-type: none"> 1. Cross-threaded Valve Body. 2. Damaged valve or housing. 3. Dirty, worn or damaged Sealing Gasket. 4. Loose or bad valve core. 	<ol style="list-style-type: none"> 1. Back off and reattach. 2. Replace damaged components. 3. Replace Sealing Gasket. 4. Tighten/replace valve core.

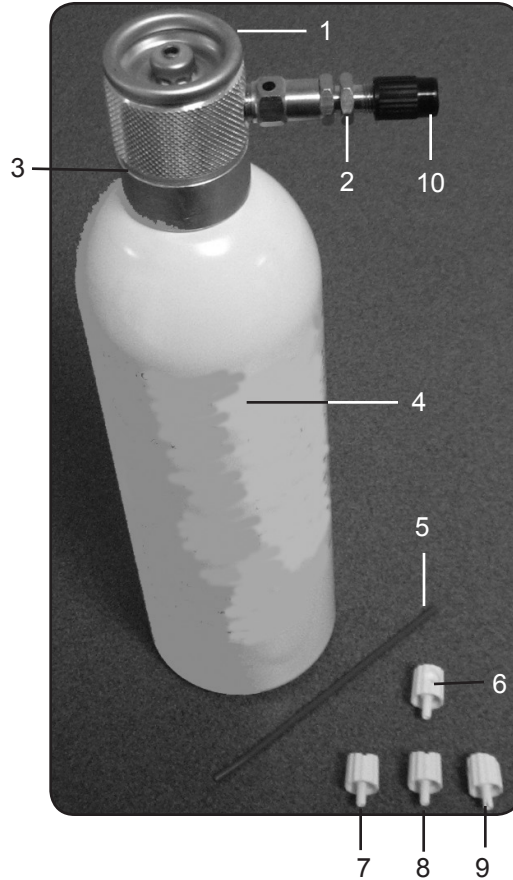


Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect air supply before service.

PARTS LIST AND ASSEMBLY DIAGRAM

Part	Description	Q'ty
1	Head Unit	1
2	Valve Stem	1
3	Sealing Gasket (not shown)	1
4	Tank	1
5	Jet Extension	1

Part	Description	Q'ty
6	Jet Spray Button	1
7	Coarse Spay Button (Green)	1
8	Medium Spray Button (Black)	1
9	Fine Spray Button (Blue)	1
10	Valve Cap	1



PLEASE READ THE FOLLOWING CAREFULLY

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 MAKE ANY REPAIRS TO THE PRODUCT, OR 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 RISK 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.

90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

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

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Record Product's Serial Number Here: _____

Note: If product has no serial number, record month and year of purchase instead.

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