5 GALLON
PRESSURE PAINT TANK
Model 66074
SET UP AND OPERATING INSTRUCTIONS

Distributed exclusively by Harbor Freight Tools®.
3491 Mission Oaks Blvd., Camarillo, CA 93011
Visit our website at: http://www.harborfreight.com

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.

IMPORTANT SAFETY INSTRUCTIONS

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

WARNING – When using this Pressure Paint Tank, basic precautions should always be followed, including the following:

General

a. 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 personal injury.

b. Keep bystanders, children, and visitors away while operating the Pressure Paint Tank. Distractions are able to result in the loss of control.
Personal safety

a. Stay alert. Watch what you are doing and use common sense when operating. Do not use while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating increases the risk of personal injury.

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 personal injury.

c. Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enables better control in unexpected situations.

d. Use safety equipment. A respirator 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.

f. Always wear hearing protection when using the tool. Prolonged exposure to high intensity noise is able to cause hearing loss.

g. Risk of Electric Shock. This tool is not provided with an insulated gripping surface. Contact with a "live" wire will also make exposed metal parts of the tool "live" and shock the operator.

h. Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded.

i. Explore the workpiece to avoid contact with hidden wiring. Thoroughly investigate the workpiece for possible hidden wiring before performing work. Contact with live wiring will shock the operator.

Tool use and care

a. Use clamps or another practical way to secure and support the workpiece to a stable platform. Holding the work by hand or against the body is unstable and is able to lead to loss of control.

b. 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.

c. Do not use the tool if the switch does not turn the tool on or off. Any tool that cannot be controlled with the switch is dangerous and must be repaired.

d. Disconnect the tool from the air source before making any adjustments, changing accessories, or storing the Pressure Spray Tank. 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 before leaving the work area.

e. Store the Pressure Spray Tank out of reach of children and other un-
**trained persons.** A tool is dangerous in the hands of untrained users.

f. **Check for breakage of parts, and any other condition that affects the tool’s operation.** If damaged, have the Pressure Paint Tank serviced before using. Many accidents are caused by poorly maintained tools. There is a risk of bursting if the tool is damaged.

g. **Use only accessories that are identified by the manufacturer for this specific Pressure Paint Tank model.** Use of an accessory not intended for use with this specific tool model, increases the risk of personal injury.

**Service**

a. **Tool service must be performed only by qualified repair personnel.**

b. **When servicing a tool, use only identical replacement parts. Use only authorized parts.**

c. **Use only the lubricants supplied with the tool or specified by the manufacturer.**

**Air source**

a. **Never connect to an air source that is capable of exceeding 200 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.**

**SYMBOLS AND SPECIFIC SAFETY INSTRUCTIONS**

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Property or statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>n₀</td>
<td>No-load speed</td>
</tr>
<tr>
<td>.../min</td>
<td>Revolutions or reciprocation per minute</td>
</tr>
<tr>
<td>PSI</td>
<td>Pounds per square inch of pressure</td>
</tr>
<tr>
<td>ft-lb</td>
<td>Foot-pounds of torque</td>
</tr>
<tr>
<td>BPM</td>
<td>Blows per minute</td>
</tr>
<tr>
<td>CFM</td>
<td>Cubic Feet per Minute flow</td>
</tr>
<tr>
<td>SCFM</td>
<td>Cubic Feet per Minute flow at standard conditions</td>
</tr>
<tr>
<td>NPT</td>
<td>National pipe thread, tapered</td>
</tr>
<tr>
<td>NPS</td>
<td>National pipe thread, straight</td>
</tr>
</tbody>
</table>

**WARNING** marking concerning Risk of Eye Injury. Wear ANSI-approved eye protection.

**WARNING** marking concerning Risk of Hearing Loss. Wear hearing protection.

Chart continued in next column.
Specific Safety Instructions

1. **WARNING**: To prevent serious personal injury:
   a. Do not use air pressure loads which exceed this Pressure Paint Tank’s maximum operating air pressure of 80 PSI. Doing so may cause this Pressure Paint Tank to rupture and/or explode causing severe personal injury or death.
   b. Bleed air from Pressure Paint Tank before opening Lid Assembly. Explosive decompression may occur if Lid Assembly is opened while compressed air is trapped inside the Tank causing serious personal injury.
   c. Before use (after turning on air supply), pull the ring on the Safety Valve (8) to check free operation and relieves trapped air pressure. If the Safety Valve sticks, does not operate freely, or does not relieve the air pressure, replace the Safety Valve.
   
   **NOTE: Do not discard, tamper with, or make any alterations to the Safety Valve. Any type of tampering can weaken it.**
   
   d. Do not use abrasive, corrosive, or rust inducing materials with this Pressure Paint Tank. It is not designed for such materials and using them may damage the Tank’s internal parts.
   
   e. Always wear ANSI-approved safety goggles, breathing respirator, and ear protection while using this Pressure Paint Tank.

2. 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.

3. **WARNING**: Some dust created by power sanding, sawing, grinding, drilling, and other construction activities, contains chemicals known [to the State of California] to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:
   - Lead from lead-based paints
   - Crystalline silica from bricks and cement or other masonry products
   - Arsenic and chromium from chemically treated lumber

   Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles. (California Health & Safety Code § 25249.5, et seq.)

   **WARNING**: The brass components of this product contain lead, a chemical known to the State of California to cause birth defects (or other reproductive harm). (California Health & Safety Code § 25249.5, et seq.)

4. Only use with accessories rated to handle the forces exerted by this tool
during operation. Other accessories not designed for the forces generated may break and forcefully launch pieces.

5. Attach all accessories properly to the tool before connecting the air supply. A loose accessory may detach or break during operation.

6. Obey the manual for the air compressor used to power this tool.

7. Install an in-line shutoff valve to allow immediate control over the air supply in an emergency, if a hose is ruptured.

**NOTE:** Industrial Applications must follow OSHA requirements.

8. Check all seals before connecting the spray gun to the air supply.

9. Always ensure that the Lid Assembly (3) is fully attached to the Tank.

10. Always ensure that the air supply is fully attached.

11. Do not use wrenches, pliers, or other tools to tighten the Tank Clamps. Finger tighten only.

**WARNING:** Never release the Lid Assembly while the Tank is pressurized.

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### FUNCTIONAL DESCRIPTION

#### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Pressure Range</td>
<td>30 - 70 PSI</td>
</tr>
<tr>
<td>Maximum Air Pressure</td>
<td>80 PSI</td>
</tr>
<tr>
<td>Pressure Gauge Range</td>
<td>0 - 160 PSI (0 - 11 KG/CM)</td>
</tr>
<tr>
<td>Air Inlet</td>
<td>1/4&quot; -18 NPT</td>
</tr>
<tr>
<td>Fluid Outlet</td>
<td>3/8&quot; - 18 NPS (Male Thread)</td>
</tr>
<tr>
<td>Pressure Tank Capacity</td>
<td>5 gal</td>
</tr>
</tbody>
</table>

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### 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, check to 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.
Assembly

1. Install the Tank Wheels (11) using Wheel Bolt Nuts (9).

2. Thread the Swivel Adapter (7) to the Lid Assembly (3). Use plumbers tape (not provided) to ensure an airtight fit.

3. Thread an Adapter (4) to each side, and bottom of the Air Pressure Regulator (6). Use plumbers tape (not provided).

4. Install the Air Pressure Regulator (6) to the Swivel Adapter using plumbers tape (not provided).

5. Thread the Air Pressure Gauge (5) into the top of the Air Pressure Regulator. Use plumbers tape (not provided).

6. Thread the Fluid Outlet Adapter (18) to the Lid Assembly. Use plumbers tape (not provided).

7. Attach the Fluid Tube (17) to the base of the Fluid Outlet Adapter.

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.

**WARNING!** TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:

Do not install a female quick coupler on the tool. Such a coupler contains an air valve that will allow the air tool to retain pressure and operate accidentally after the air supply is disconnected.

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

1. Attach an air hose to the compressor’s air outlet. Connect the air hose to the air inlet of the tool. Other components, such as a connector and quick coupler, will make operation more efficient, but are not mandatory.

2. The air hose must be long enough to reach the work area with enough extra length to allow free movement while working.

3. Make sure the tool’s throttle or switch is in the off position; refer to Operation section for description of controls.
4. Close the in-line safety valve between the compressor and the tool.

5. Turn on the air compressor according to the manufacturer’s directions and allow it to build up pressure until it cycles off.

6. Adjust the air compressor’s output regulator so that the air output is enough to properly power the tool, but the output will not exceed the tool’s maximum air pressure at any time. Adjust the pressure gradually, while checking the air output gauge to set the right pressure range.

7. Inspect the air connections for leaks. Repair any leaks found.

8. If the tool will not be used at this time, turn off and detach the air supply, safely discharge any residual air pressure from the tank.

**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 not-powered.

9. Back of Thumb Screws (13), pull back on Yoke Assembly (14) and remove the Lid Assembly (3). Clean interior of Tank and flush the system.

**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.

**Tool Set Up**

**WARNING** TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:

Turn off the tool, detach the air supply and safely discharge any residual air pressure in the tool, before performing any inspection, maintenance, or cleaning procedures.

**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.
1. The Air Pressure Regulator (6) is adjusted using the T-Handle extending from the Regulator. Turning clockwise increases the air pressure setting, and turning counterclockwise decreases the air pressure setting.

2. Attach product (fluid) hose to the Fluid Outlet Adaptor (18).

3. Attach the (inlet) air hose to the Adaptor left of the Air Regulator Face, and the (outlet) air hose to the right.

**Work Piece and Work Area Set Up**

1. Designate a work area that is clean and well-lit. The work area must not allow access by children or pets to prevent injury and distraction.

2. Route the air hose along a safe route to reach the work area without creating a tripping hazard or exposing the air hose to possible damage. The air hose must be long enough to reach the work area with enough extra length to allow free movement while working.

3. There must not be foreign objects (such as utility lines) nearby that will present a hazard while working.

**General Operating Instructions**

1. After attaching fluid hose and air hoses, set air pressure gauge to 30 to 70 PSI (maximum operating air pressure is 80 PSI). If the tool requires more force to accomplish the task, verify that the tool receives sufficient, unobstructed airflow (CFM) and increase the pressure (PSI) output of the regulator up to the maximum air pressure rating of this tool.

   **CAUTION! TO PREVENT TOOL AND ACCESSORY FAILURE, RESULTING IN INJURY:**
   
   Do not exceed the tool's maximum air pressure rating.

2. With air supply off and tank pressure relieved, loosen Thumb Screws (13) and remove Yoke Assemblies (14) allowing the Lid Assembly to be opened.

3. The Pressure Paint Tank can be filled in two different ways:

   a. A one, or two gallon can of paint can be set inside the Tank and the Fluid Tube (17) inserted into it as the Lid Assembly is closed, or:

   b. Paint (stain, deck coatings, etc.), may be poured directly into the Tank.

4. (a) is preferred for simplicity of clean up on small jobs, (b) is best for large jobs where stopping to refill the Tank is not convenient.

5. Once the Pressure Paint Tank is filled and all hoses are attached, turn on the air compressor and spray some material against a designated test area before starting on the workpiece.

6. To prevent accidents after use, turn off the tool, detach the air supply and safely discharge any residual air pressure left in the Pressure Paint Tank.

7. Pull the ring attached to the Safety Valve to double check for residual air pressure before loosening the Thumb Screws and letting down the Yoke Assemblies.

8. You may now open the Lid Assembly, empty the Tank and flush the lines.
9. When finished, clean and store the Pressure Paint Tank indoors out of children’s reach.

**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:**
Turn off the tool, detach the air supply and safely discharge any residual air pressure 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.

1. Clean external surfaces of the Pressure Paint Tank with a clean, soft, dry cloth. If there is paint on the outside of the Tank, use whatever solvent (water, or paint thinner) that is compatible with the paint you are using to remove it.

2. Wash and rinse the interior of the Tank with compatible solvent, let dry and store inside away from children.
Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Causes</th>
<th>Likely Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decreased output.</td>
<td>1. Not enough air pressure and/or air flow.</td>
<td>1. Check for loose connections and make sure that air supply is providing enough air flow (CFM) at required pressure (PSI) to the tool’s air inlet. <strong>Do not exceed maximum air pressure of 80 PSI.</strong></td>
</tr>
<tr>
<td></td>
<td>2. Air leaking from loose or worn Lid Gasket.</td>
<td>2. Make sure Lid Gasket is properly assembled and tight. Replace if worn or leaking.</td>
</tr>
<tr>
<td></td>
<td>4. Paint is too thick for Spray Gun.</td>
<td>4. Thin paint as recommended by paint manufacturer.</td>
</tr>
</tbody>
</table>

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

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.

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
<th>Q'ty</th>
<th>Part</th>
<th>Description</th>
<th>Q'ty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Tank Shell Assembly</td>
<td>1</td>
<td>9</td>
<td>Wheel Bolt Nut</td>
<td>8</td>
</tr>
<tr>
<td>2</td>
<td>Lid Gasket</td>
<td>1</td>
<td>11</td>
<td>Tank Wheel</td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>Lid Assembly</td>
<td>1</td>
<td>13</td>
<td>Thumb Screw</td>
<td>4</td>
</tr>
<tr>
<td>4</td>
<td>Adapter</td>
<td>3</td>
<td>14</td>
<td>Yoke Assembly</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>Air Pressure Gauge</td>
<td>1</td>
<td>15</td>
<td>Cotter Pin</td>
<td>4</td>
</tr>
<tr>
<td>6</td>
<td>Air Pressure Regulator</td>
<td>1</td>
<td>16</td>
<td>Hinge Pin</td>
<td>4</td>
</tr>
<tr>
<td>7</td>
<td>Swivel Adapter</td>
<td>1</td>
<td>17</td>
<td>Fluid Tube</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>Safety Valve</td>
<td>1</td>
<td>18</td>
<td>Fluid Outlet Adapter</td>
<td>1</td>
</tr>
</tbody>
</table>

SKU 66074 For technical questions, please call 1-800-444-3353. Page 11
Attach **Air Inlet Hose** coming from air supply here.

Attach **Air Outlet Hose** here and attach other end to spray gun.

Attach **Fluid Hose** here and attach other end to spray gun.

1. **1**
2. **2**
3. **3**
4. **4**
5. **5**
6. **6**
7. **7**
8. **8**
9. **9**
10. **10**
11. **11**
12. **12**
13. **13**
14. **14**
15. **15**
16. **16**
17. **17**
18. **18**
LIMITED 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.