

6-1/4 Gallon Oil Extractor

Item 46149

⚠ WARNING

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



**When unpacking, make sure that the product is intact and undamaged.
If any parts are missing or broken, please call 1-800-444-3353 as soon as possible.**

**Visit our website at: <http://www.harborfreight.com>
Email our tech support at: tech@harborfreight.com**

SPECIFICATIONS

Reservoir Size	6-1/4 Gallons
Maximum Oil Level	4-1/4 Gallons
Extraction rate	1/2 GPM Maximum
Air Inlet	1/4 IN. - 18 NPT
Working Air Pressure	70-110 PSI
Oil Temperature	68-158° F
Oil Extractor Probes (Total Qty = 5)	1/4 IN. x 27-1/2 IN. L, Nylon 5/16 IN. x 27-1/2 IN. L, Nylon 5/16 IN. x 39-1/4 IN. L, Nylon 1/4 IN. x 27-1/2 IN. L, Copper 9/32 IN. x 27-1/2 IN. L, Copper

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 INFORMATION

INSTRUCTIONS PERTAINING TO A RISK OF FIRE OR INJURY TO PERSONS

1. **Keep children away from product usage area.** Do not allow children to handle this product.
2. **Store idle equipment.** When not in use, tools and equipment should be stored in a dry location to inhibit rust. Always lock up tools and equipment and keep out of reach of children.
3. **Do not use this product if under the influence of alcohol or drugs.** Read warning labels on prescriptions to determine if your judgement or reflexes are impaired while taking drugs. If there is any doubt, do not attempt to use this product.
4. **Use eye protection.** Wear ANSI-approved safety goggles when using this product.
5. **Dress safely.** Non-skid footwear or safety shoes should be used when working with this product. Do not wear loose clothing or jewelry as they can become caught in moving parts. Wear protective hair covering to prevent long hair from becoming caught in moving parts.
6. **Industrial applications must follow OSHA requirements.**
7. **Do not overreach.** Keep proper footing and balance at all times to prevent tripping, falling, and back injury, etc.
8. **Replacement parts and accessories.** When servicing, use only identical replacement parts. Only use accessories intended for use with this product. Approved accessories are available from Harbor Freight Tools.
9. **Stay alert.** Watch what you are doing at all times. Use common sense. Do not use this equipment when you are tired or distracted from the job at hand.
10. **Check for damaged parts.** Before using this product, carefully check that it will operate properly and perform its intended function. Check for damaged parts and any other conditions which may affect the operation of this product. Replace or repair damaged or worn parts immediately.
11. **Maintain this product with care.** Keep this product clean and dry for better and safer performance. For your safety, service and maintenance should be performed regularly by a qualified technician.

12. **Use the right product for the right job.** There are certain applications for which this product was designed. Do not use small equipment to do the work of larger industrial equipment. Do not use this product for a purpose for which it was not intended.

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.

Oil Extractor Safety Warnings

1. **Maintain a safe work environment.** Do not use this product in or near damp or wet areas. Keep work area floor free of oil, grease, and other liquids. Do not expose this product to rain. Keep work area well lit. Make sure there is adequate surrounding work space. Remove all flammable liquids and objects from the work area. Do not operate this product in the presence of flammable liquids, gases, or dust.
2. **Disconnect equipment from its air supply source and release all compressed air from the system before performing any services or maintenance.**
3. **Do not leave this product unattended while evacuating oil.**

4. **Never use this equipment near open flames, heat or ignition sources. Allow oil to be extracted to cool down to between 70-80° F before extracting oil.**
5. **Obey the manual for the air compressor used to power this tool.**
6. **Install an in-line shutoff valve to allow immediate control over the air supply in an emergency, even if a hose is ruptured.**
7. **Close Ball Valve (4) before pressurization.** Do not attempt to pressurize Tank (1) with Ball Valve open.
8. **If used oil does not evacuate Tank (1) upon pressurization, check to make sure the Ball Valve (4) is fully closed (with its handle in the horizontal position).** If this does not correct the problem remove the unit from service immediately and have it repaired by a qualified repair service technician.
9. **Disconnect air supply after evacuating oil.**
10. **Do not drain caustic or flammable products.** Use as intended only.
11. **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.*)
12. **The warnings, cautions and instructions discussed in this instruction 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.**



SAVE THESE INSTRUCTIONS.

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.

Read and understand your air compressor's (sold separately) instruction manual before using with this product. Follow all safety warnings for your air compressor.

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

Air Supply

⚠ WARNING



TO PREVENT EXPLOSION:

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

Note: The Extractor may be shipped with a protective plug covering the air inlet. Remove this plug before set up.

Note: Air flow, and therefore tool performance, can be hindered by undersized air supply components. The compressor air hose must be long enough to reach the work area.

Before connecting the air compressor to depressurize the Oil Extractor, run the air compressor to make sure it is in good working order.

1. Turn on the air compressor according to the manufacturer's directions and allow it to build up pressure until it cycles off.
2. Adjust the Air Compressor's Pressure 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. Turn the knob clockwise to increase the pressure and counter-clockwise to decrease pressure. Adjust the pressure gradually, while checking the air output gauge to set the pressure.
3. Inspect the air connections for leaks. Repair any leaks found.
4. If the compressor will not be used at this time, turn off the air supply and safely discharge any residual air pressure to prevent accidental operation.

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.

Draining Oil

1. Set the Extractor on a flat, level surface.

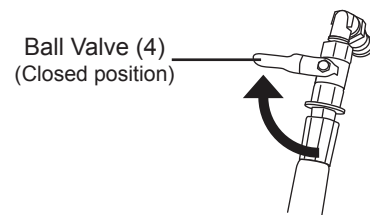


Figure A

2. Close the Ball Valve Lever (4) on the Hose (5) by turning its handle perpendicular to the Hose. See Figure A. Hand tighten Emptying Cap (9).

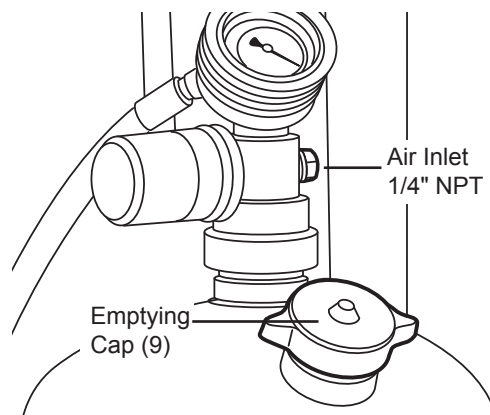


Figure B

3. Connect compressed air (sold separately) (recommended 90 PSI) to coupler. See Figure B. Adjust the air compressor's output regulator so that the air output is enough to properly power the Extractor, but the output will not exceed the Extractor's maximum air pressure at any time. Adjust the pressure gradually, while checking the air output gauge to set the right pressure range. **WARNING! Do not exceed 110 PSI air pressure.**

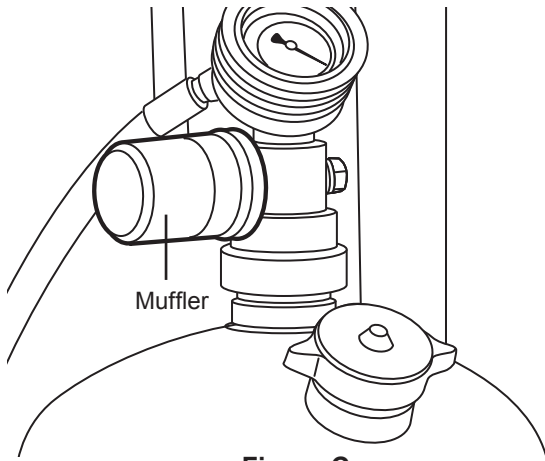


Figure C

4. Air will be pulled out of the tank. See Figure C. When the arrow on the Air Pressure Gauge approaches the red field, shut off the air compressor (about 60-80 seconds). The Tank is now ready for oil extraction.
5. Choose the appropriate Probe (one of five choices). Remove the dipstick and insert the Probe into the engine's dipstick port.

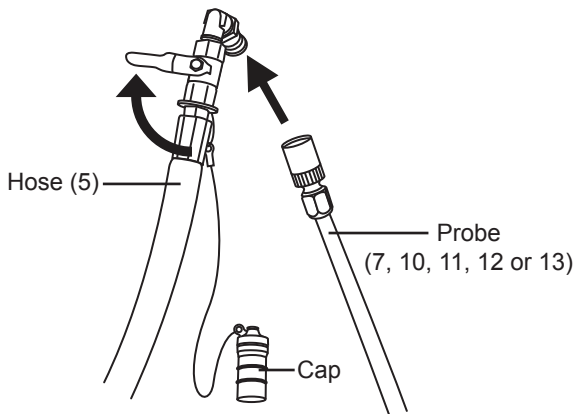


Figure D

6. Remove the cap (which is attached to a chain) from the end of the Hose (5) and attach the Probe to the Hose.
7. Secure over the two rubber gaskets in the Assembly. See Figure D.

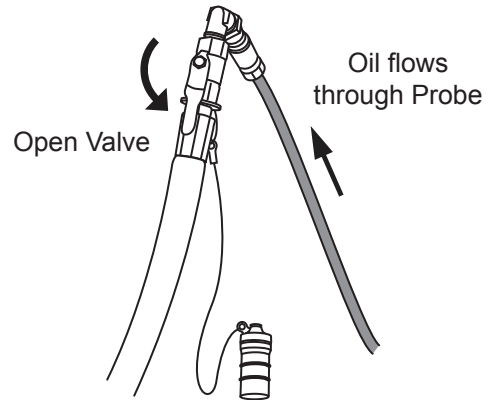


Figure E

8. Open the Ball Valve (4) by aligning it with the Hose; oil will begin to flow.

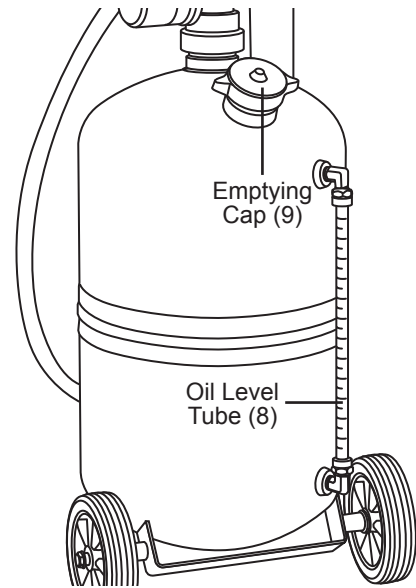


Figure F

9. Oil should be removed when it is 70-80°, otherwise personal injury or property damage may result. The Oil Level Tube (See Figure F) will show how much oil is in the tank. Keep the Probe near the bottom of the sump.
10. When done, close the Ball Valve Lever (4) (horizontal position). Remove the Probe from the vehicle.

Emptying Tank

1. Detach Probe and close off Hose by putting on attached Cap. Disconnect Air Hose.
2. Remove Emptying Cap (9) and drain oil into an oil recycling container.
3. Properly dispose of used oil. Contact local Hazardous Waste Disposal Authorities for proper oil disposal guidelines.

User-Maintenance Instructions



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

WARNING

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:

Do not use damaged equipment. If abnormal noise or vibration, occurs, have the problem corrected before further use.

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. Before each use, inspect the general condition of the Oil Extractor. Check for broken or bent parts, loose or missing parts, and any condition that may affect the proper operation of the product. If a problem occurs, have the problem corrected before further use. **Do not use damaged equipment.**
2. After each use, clean and dry the unit.

Record Product's Serial Number Here: _____

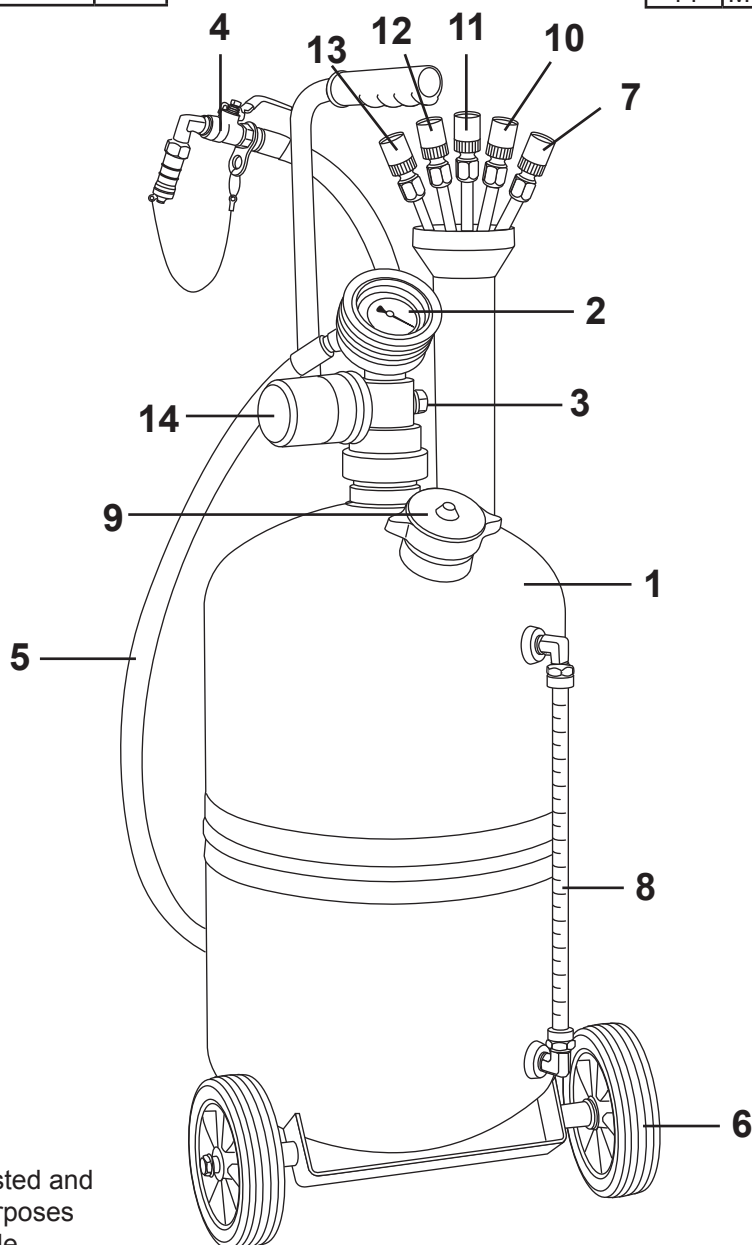
Note: If product has no serial number, record month and year of purchase instead.

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER NOR 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.

Parts List And Assembly Diagram

Part	Description	Qty	Part	Description	Qty	Part	Description	Qty
1	Tank	1	7	Nylon Probe (5/16" D x 39-1/4" L)	1	11	Nylon Probe (1/4" D x 27-1/2" L)	1
2	Air Pressure Gauge	1	8	Oil Level Tube	1	12	Nylon Probe (5/16" D x 27-1/2" L)	1
3	Air Inlet	1	9	Emptying Cap	1	13	Copper Probe (9/32" D x 27-1/2" L)	1
4	Ball Valve with Lever	1	10	Copper Probe (1/4" D X 27-1/2" L)	1	14	Muffler	1
5	Hose/Nozzle (6' 2-1/2" L)	1						
6	Wheels	2						



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

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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