

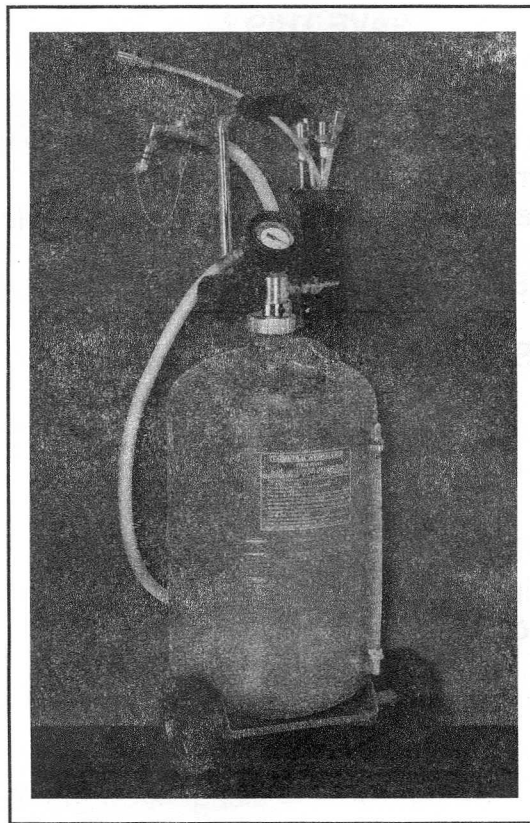
CENTRAL HYDRAULICS®

OIL EXTRACTOR

6 1/4 GALLON

MODEL #46149

ASSEMBLY & OPERATING INSTRUCTIONS



Distributed Exclusively by



**HARBOR FREIGHT
TOOLS**



3491 Mission Oaks Blvd., Camarillo, CA 93011
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For technical questions please call 1-800-444-3353

SPECIFICATIONS

ITEM	DESCRIPTION
Weight	37.5 Lbs.
Tank Reservoir Capacity	6-1/4 Gallons
Maximum Oil Level	4-1/4 Gallons
Air Inlet	1/4" NPT
Working Air Pressure	70-110 PSI
Min/Max. Oil Temperature	68-158 Degrees Fahrenheit
Oil Extractor Probes (Total Qty = 5)	(1) 1/4" X 27-1/2" Long, Nylon (1) 5/16" X 27-1/2" Long, Nylon (1) 5/16" X 39-1/4" Long, Nylon (1) 1/4" X 27-1/2" Copper (1) 9/32" X 27-1/2" Copper

SAVE THIS MANUAL

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

SAFETY WARNINGS AND PRECAUTIONS

1. **KEEP PRODUCT USAGE AREA CLEAN.** Cluttered areas invite injuries.
2. **KEEP CHILDREN AWAY FROM PRODUCT USAGE AREA.** Do not allow children to handle this product.
3. **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.
4. **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.
5. **USE EYE AND BREATHING PROTECTION.** Wear ANSI approved safety impact eye glasses and ANSI approved dust mask or respirator when using this product. ANSI approved safety impact eye glasses and dust masks and respirators are available from Harbor Freight Tools.
6. **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 a protective hair covering to prevent long hair from becoming caught in moving parts.

7. **INDUSTRIAL APPLICATIONS MUST FOLLOW OSHA REQUIREMENTS.**
8. **DO NOT OVERREACH.** Keep proper footing and balance at all times to prevent tripping, falling, and back injury, etc.
9. **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.
10. **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.
11. **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 that may affect the operation of this product. Replace or repair damaged or worn parts immediately.
12. **MAINTAIN THIS PRODUCT WITH CARE.** Keep this product clean and dry for better and safer performance.
13. **MAINTENANCE:** For your safety, service and maintenance should be performed regularly by a qualified technician.
14. **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.

SPECIFIC PRODUCT WARNINGS AND PRECAUTIONS

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. Always 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. **DO NOT FORCE THE EQUIPMENT.** This product will do the work better and safer at the speed and capacity for which it was designed.
3. **ALWAYS DISCONNECT EQUIPMENT FROM ITS AIR SUPPLY SOURCE AND RELEASE ALL COMPRESSED AIR FROM THE SYSTEM BEFORE PERFORMING ANY SERVICES OR MAINTENANCE.**
4. **NEVER LEAVE THIS PRODUCT UNATTENDED WHILE EVACUATING OIL.**

5. **NEVER USE THIS EQUIPMENT NEAR OPEN FLAMES, HEAT OR IGNITION SOURCES. ALWAYS ALLOW OIL TO BE EXTRACTED, TO COOL DOWN TO BETWEEN 70-80 DEGREES BEFORE ACTUALLY EXTRACTING OIL.**
6. **CLOSE BALL VALVE (PART # 4) UPON PRESSURIZATION.** Never attempt to pressurize Tank (part #1) with Ball Valve open.
7. **IF USED OIL DOES NOT EVACUATE TANK (PART #1) UPON PRESSURIZATION,** check to make sure the Ball Valve (part #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.
8. **ALWAYS DISCONNECT AIR SUPPLY AFTER EVACUATING OIL.**
9. **USE ONLY THE HOSE/NOZZLE ASSEMBLY (PART #5) PROVIDED.** Do not attempt to modify the Hose/Nozzle Assembly in any way.
10. **THE AIR RELEASE VALVE HAS BEEN PRE-INSTALLED AND PRESET TO OPERATE AT 70-110 PSI.** Do not tamper with or remove.

WARNING: DO NOT DRAIN CAUSTIC OR FLAMMABLE PRODUCTS. Do not expose tank to heat or any ignition source. Do not do any welding on or around tank. When removing oil keep hands and face protected to prevent against possible burns. Only use specified parts on Page 7.

WARNING: 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.

UNPACKING

When unpacking, check to make sure all parts shown on the Parts List (Page 7) are included. If any parts are missing or broken, please call Harbor Freight Tools at the number shown on the cover of this manual as soon as possible.

OPERATING INSTRUCTIONS

NOTE: All parts below refer to the parts listed on Page 7 of this manual. The Oil Extractor must always be located on a flat, level surface.

Great for cars, tractors, boats and small aircraft engines. Also ideal for industrial gear boxes, coolant and hydraulic systems. This product offers a clean, easy and safe way to remove oils and fluids through dipstick tubes or other convenient openings; 1/2 Gal/Min. Extractor rate.

Preparing To Drain Oil

1. Close the Ball Valve (part #4) on the Hose (#5) by turning its handle to a horizontal position. See Figure A. Hand tighten Emptying Cap (#9).

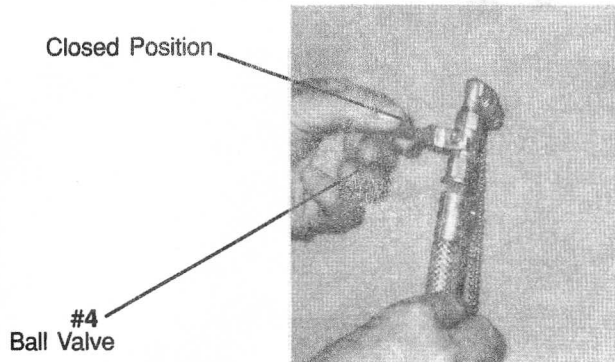


Figure A

2. Hook unit up to shop air for suction. **Note:** Connect compressed air (recommended 90 PSI) to coupler. Never exceed 110 PSI working air pressure. See Figure B

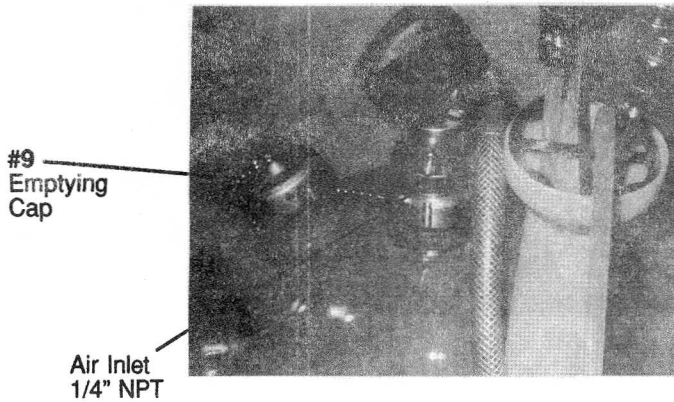


Figure B

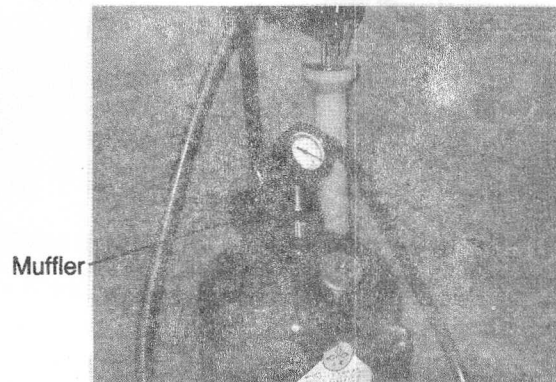


Figure C

3. Air will flow out the muffer. See Figure C. When the arrow on the Air Pressure Gauge approaches the red field, shut-off the shop air compressor (about 60-80 seconds). The Oil Extraction Tank is now ready for oil extraction.

OPERATING INSTRUCTIONS (CONTINUED)

4. Choose the appropriate Probe (#7) (one of five choices) for the job of draining the oil. Place Probe in dip stick area of auto, boat or whatever needs draining. Remove cap (which is attached to a chain) off the end of the Hose (#5) and attach it to the probe inserted in the dip stick tube. Secure over the two rubber gaskets in the Assembly. It should feel secure. See Figure E
5. Open the Ball Valve Lever (#4) by turning it vertically; oil will begin to flow.

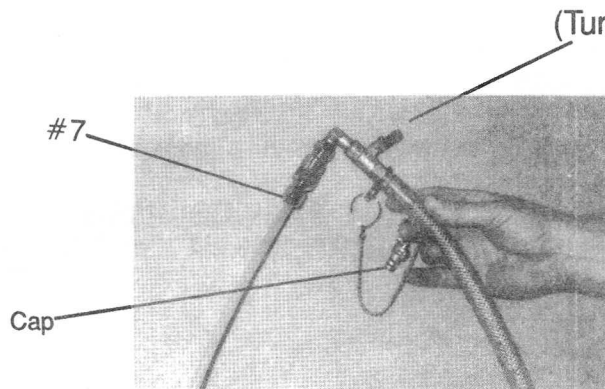


Figure D

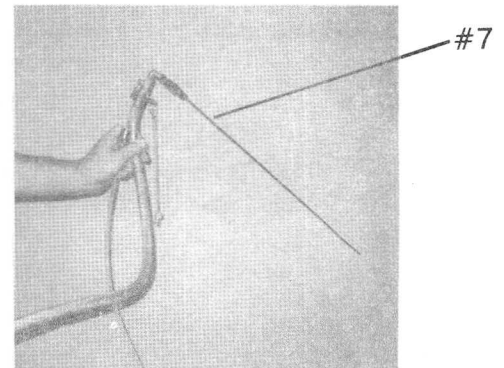


Figure E

6. Oil should be removed when it is 70-80° or personal injury or property damage may result. The Oil Level Tube (See Figure F) will show you how much oil is in the tank. Be sure to keep the Probe near the bottom of the sump.

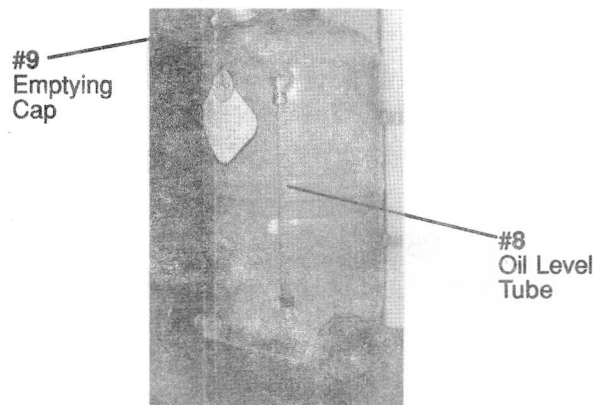


Figure F

EMPTYING OIL EXTRACTION TANK

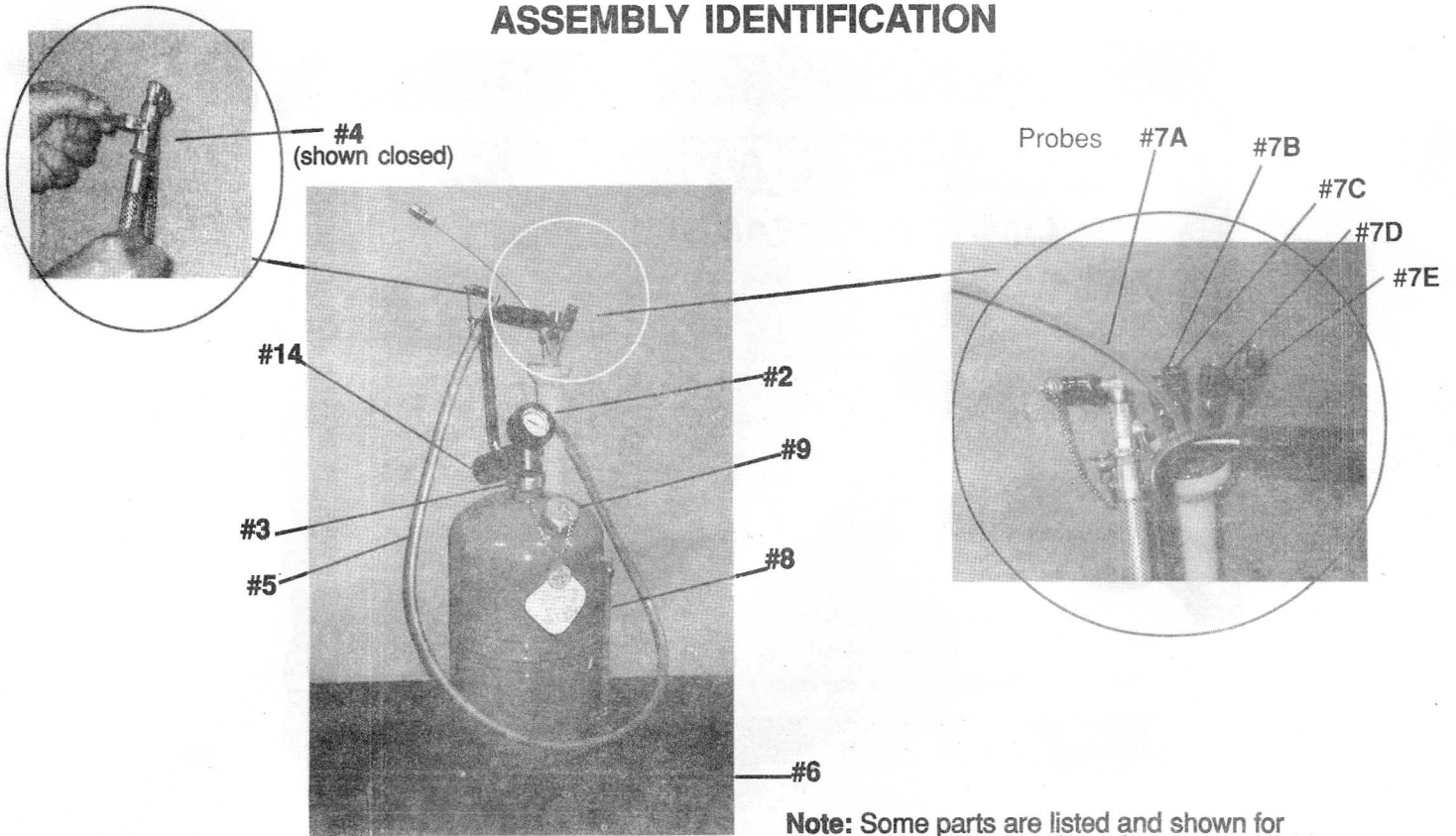
1. First close Ball Valve Lever (#4) (Horizontally). Remove Probe from vehicle. Detach and close off Hose by putting on attached Cap. Disconnect Air Compressor. Remove Emptying Cap (#9) and manually drain oil into an oil recycling container. Always properly dispose of used oil. Contact local Hazardous Waste Disposal Authorities for proper oil disposable guidelines.

PARTS LIST

PART #	DESCRIPTION	QTY
1	Oil Extractor Tank Reservoir	1
2	Air Pressure Gauge	1
3	Air Inlet	1
4	Ball Valve with Lever	1
5	6 ft. 2 1/2 in. Long Hose/Nozzle	1
6	Wheels	2
7A	5/16" X 39-1/4" Long, Nylon Probe	1
8	Oil Level Tube	1
9	Emptying Cap	1

PART #	DESCRIPTION	QTY
7B	1/4" X 27-1/2" Copper Probe	1
7C	1/4" X 27-1/2" Long, Nylon Probe	1
7D	5/16" X 27-1/2" Long, Nylon Probe	1
7E	9/32" X 27-1/2" Copper Probe	1
14	Muffler	1

ASSEMBLY IDENTIFICATION



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

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.



LIMITED 1 YEAR 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 a period of 1 year 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; 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.

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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