

USER'S MANUAL

Have Technical Questions?

If you have questions, or require technical service, please contact our trained service technicians at:

1-314-679-4200 ext. 4782
Monday - Friday 7:30 am to 4:15 pm CST

Visit our website at www.mityvac.com for new products, catalogs and instructions for product use.

Need Service Parts?

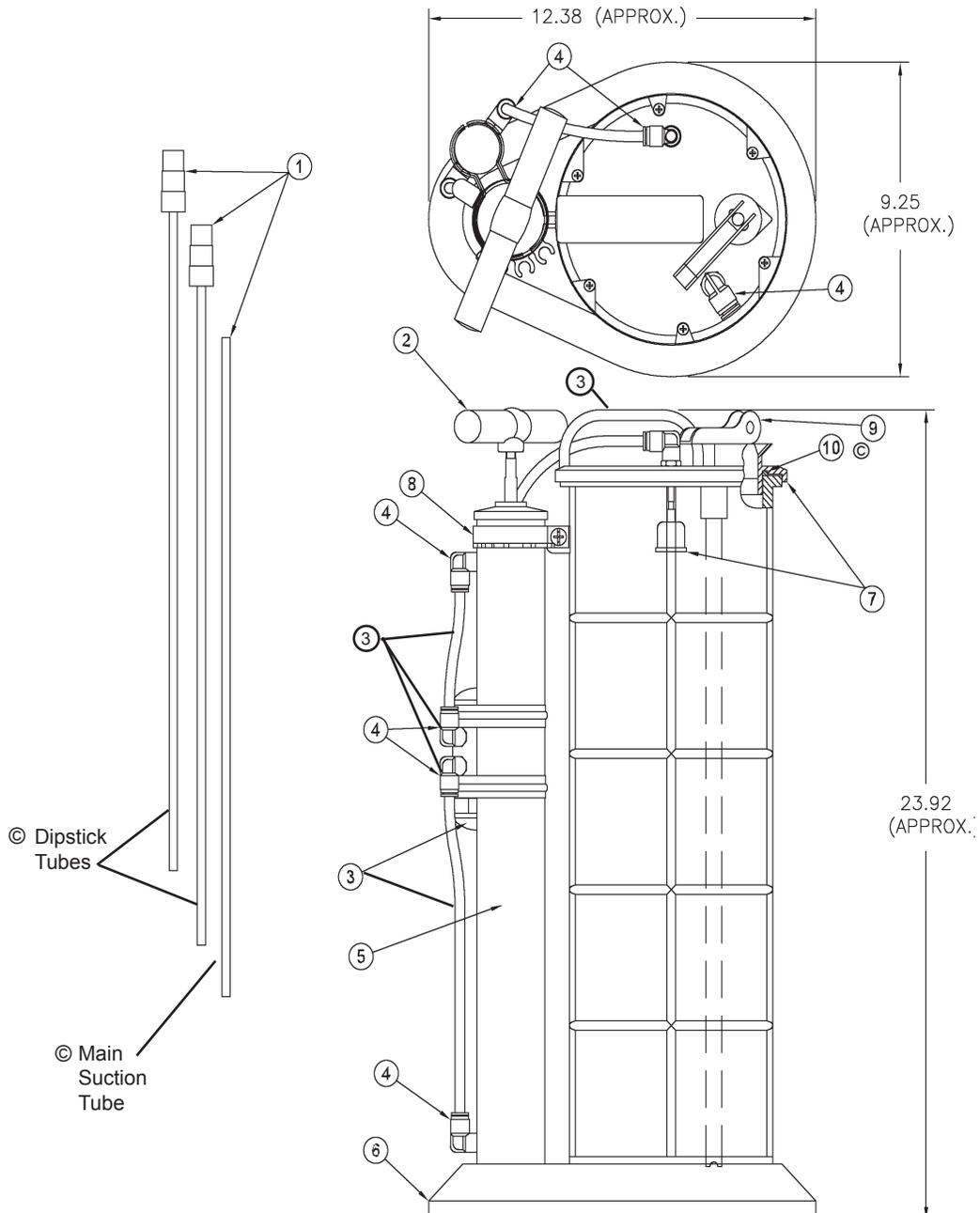
To order replacement or service parts, visit us online at www.mityvacparts.com or call toll free 1-800-992-9898.

Reservoir Specifications

Capacity: 2.3 Gallons (8.8 Liters)

Max. Operating Temperature: 175° F (80° C)





Model 07201 Service Items					
Item	Description	Part No.	Item	Description	Part No.
1	Vacuum tube Kit	822559	6	Base Kit ****	822574
2	Handle kit	822561	7	Evacuator Top Kit *****	822576
3	Valve Kit *	822563	8	Pump Strap Kit (Quantity 2)	822578
4	Tube Connector Kit **	822566	9	Expandable Plug Kit	822593
5	Pump Assembly Kit ***	822572	10	Top Seal Kit	822821
* Consists of three tubes, three 8 mm connetors and valve					
** Consists of three 8 mm connectors and three 10 mm connectors					
*** Consists of two 8 mm connectors, two tubes and pump assembly					
**** Consists of base and foot bracket					
***** Consists of top and overfill float.					

© Indicates change

Always read instructions carefully prior to use.

Recommended Fluids:

Engine Oil, Gear and Transmission Oils, Power Steering Fluid, Coolants, Brake Fluid and Other Similar Fluids.



The reservoir tank of the Fluid Evacuator Plus is equipped with an automatic shut-off valve to prevent over-filling of the reservoir tank. As the fluid being evacuated flows into the reservoir tank it will raise the float. When the float reaches the shut-off valve, the flow of fluid being extracted will automatically stop.

Extracting from and Dispensing Motor Oil into a Crankcase

1. Park vehicle on level ground, ensure the transmission of the vehicle is in “neutral” or “park” position and apply the parking brake.
2. Start the engine. Allow the engine to idle until it reaches normal operating temperature. Once this is accomplished, turn engine off.
3. Remove the engine oil dipstick.
4. Select and insert the smallest diameter dipstick tube into the dipstick hole until it reaches the bottom of the oil pan. Connect the main suction tube to the dipstick tube.
5. Insert the opposite end of the main suction tube into the 10mm x 90° tube connector on the top of the reservoir tank. Take care that tube is in the connector all the way to prevent leakage.
6. Place the selector valve mounted on the side of the pump assembly to “EVACUATE”.
7. Raise the pump handle on the reservoir tank until it reaches its highest limit. Pump the handle approximately ten times. The unit will begin to extract the oil from the engine crankcase.

NOTE: Due to the varying fluid capacities of engines, it may be necessary to empty the fluid reservoir tank and restart the process if the crankcase capacity exceeds 8 liters.

8. Once the oil has been extracted from the crankcase, remove the expandable rubber plug from the reservoir tank; pour the oil from the tank into a suitable container, and dispose of the oil in an appropriate manner. Rinse out the reservoir tank with clean solvent or engine degreaser. Allow it to dry thoroughly.
9. If you wish to use the Fluid Evacuator Plus to dispense oil, fill the cleaned reservoir tank with new oil and simply switch the selector valve that is mounted on the side of the pump assembly to “DISPENSE”.
10. Pull up on the pump handle and begin pumping until the engine crankcase is filled to the desired level.
11. Run the engine momentarily to circulate the new oil and then re-check the level.

Extracting From and Dispensing Fluid into Transmission Cases and Differentials

1. Follow Steps 1 & 2 above. (See *Extracting and Dispensing Motor Oil into a Crankcase*)
2. Remove the transmission fluid dipstick or fill plug.

WARNING

In some applications this may require jacking or lifting the vehicle. Use appropriate safety stands to avoid serious or fatal injury.

3. Select and insert the appropriate diameter dipstick tube into the dipstick fill hole until it reaches the bottom of the transmission pan or gear case. Connect the main suction tube to the dipstick tube.
4. Insert the opposite end of the main suction tube into the 10mm x 90° tube connector on the top of the reservoir tank. Take care that tube is in the connector all the way to prevent leakage.
5. Place the selector valve mounted on the side of the pump assembly to “EVACUATE”.
6. Raise the pump handle on the reservoir tank until it reaches its highest limit. Pump the handle approximately ten times. The unit will begin to extract the transmission fluid from the transmission.
7. Once the transmission fluid has been extracted, remove the expandable rubber plug from the reservoir tank; pour the transmission fluid from the tank into a suitable container, and dispose of the transmission fluid in an appropriate manner. Rinse out the reservoir tank with clean solvent or engine degreaser. Allow it to dry thoroughly.
8. If you wish to use the Fluid Evacuator Plus to dispense transmission fluid, fill the cleaned reservoir tank with new transmission fluid and simply switch the selector valve that is mounted on the side of the pump assembly to “DISPENSE”.
9. Pull up on pump handle and continue pumping until the transmission is filled to the desired level.
10. Follow the operating instructions for your vehicle to properly check the transmission fluid level.

Extracting and Dispensing Coolant into a Cooling System

WARNING

Never remove the cap from the radiator or expansion tank while the engine is at operating temperature. Always allow the engine to cool before removing the radiator cap or expansion tank cap. The cooling system is under pressure. Failure to allow the engine to cool before attempting to remove the cap could result in serious injuries.

1. Allow the engine to cool.
2. Remove the radiator/expansion tank cap.
3. Select the largest diameter dipstick tube and insert the tube into the radiator neck or expansion tank.
4. Insert the opposite end of the main suction tube into the 10 mm x 90° tube connector on the top of the reservoir tank. Take care that the tube is in the connector all the way to prevent leakage.

5. Place the selector valve mounted on the side of the pump assembly to “EVACUATE”.
6. Raise the pump handle on the reservoir tank until it reaches its highest limit. Pump the handle approximately ten times. The unit will begin to extract the coolant from the cooling system.
7. Once the coolant has been extracted, remove the expandable rubber plug from the reservoir tank; pour the coolant from the tank into a suitable container, and dispose of it in an appropriate manner. Rinse out the reservoir tank with clean solvent or engine degreaser. Allow it to dry thoroughly.
8. If you wish to use the Fluid Evacuator Plus to dispense coolant from the Fluid Evacuator Plus, fill the cleaned reservoir tank with new coolant and simply switch the selector valve that is mounted on the side of the pump assembly to “dispense”.
9. Pull up on pump handle and continue pumping until the cooling system is filled to the desired level.
10. Be sure to run the engine until it reaches operating temperature to circulate the new coolant and then re-check the level to be sure that it is full.

Extracting Brake Fluid from the Master Cylinder

1. Clean the exterior of the master cylinder and master cylinder cap. (This will prevent dirt from entering the master cylinder reservoir when the cap is removed.)
2. Remove the lid of the master cylinder reservoir.

WARNING

Prior to inserting the extraction tube into the master cylinder reservoir, be sure that the extraction tube is clean and free of any other types of fluid. Failure to do so would result in contamination of the brake fluid in the hydraulic system and cause potential brake failure.

3. Select the appropriate “dipstick” tube and connect it to the main suction tube.
4. Insert the opposite end of the main suction tube into the 10mm x 90° tube connector on the top of the reservoir tank. Take care that tube is in the connector all the way to prevent leakage.
5. Place the selector valve mounted on the side of the pump assembly to “EVACUATE”.
6. Insert the end of the extraction tube into the master cylinder reservoir.
7. Raise the pump handle on the reservoir tank until it reaches its highest limit. Pump the handle approximately ten times. The unit will begin to extract the brake fluid from the master cylinder reservoir.
8. Once the brake fluid has been extracted, remove the expandable rubber plug from the reservoir tank; pour the brake fluid from the tank into a suitable container, and dispose of it in an appropriate manner. Rinse out the reservoir tank with clean solvent or engine degreaser. Allow it to dry thoroughly.
9. After all repairs are accomplished, refill the system with new, manufacturer approved brake fluid from a sealed container.

Lincoln Industrial Standard Warranty

LIMITED WARRANTY

Lincoln warrants the equipment manufactured and supplied by Lincoln to be free from defects in material and workmanship for a period of one (1) year following the date of purchase, excluding there from any special, extended, or limited warranty published by Lincoln. If equipment is determined to be defective during this warranty period, it will be repaired or replaced, within Lincoln's sole discretion, without charge.

This warranty is conditioned upon the determination of a Lincoln authorized representative that the equipment is defective. To obtain repair or replacement, you must ship the equipment, transportation charges prepaid, with proof of purchase to a Lincoln Authorized Warranty and Service Center within the warranty period.

This warranty is extended to the original retail purchaser only. This warranty does not apply to equipment damaged from accident, overload, abuse, misuse, negligence, faulty installation or abrasive or corrosive material, equipment that has been altered, or equipment repaired by anyone not authorized by Lincoln. This warranty applies only to equipment installed, operated and maintained in strict accordance with the written specifications and recommendations provided by Lincoln or its authorized field personnel.

THIS WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

In no event shall Lincoln be liable for incidental or consequential damages. Lincoln's liability for any claim for loss or damages arising out of the sale, resale or use of any Lincoln equipment shall in no event exceed the purchase price. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, therefore the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights. You may also have other rights that vary by jurisdiction.

Customers not located in the Western Hemisphere or East Asia: Please contact Lincoln GmbH & Co. KG, Walldorf, Germany, for your warranty rights.

Lincoln Industrial Special Limited Warranties

SPECIAL LIMITED 2 YEAR WARRANTY

SL-V Series, Single Injectors-85772, 85782, and Replacement Injectors-85771, 85781

Lincoln warrants the SL-V Injector series to be free from defects in material and workmanship for two (2) years following the date of purchase. If an injector model (single or replacement) is determined to be defective by Lincoln, in its sole discretion, during this warranty period, it will be repaired or replaced, at Lincoln's discretion, without charge.

SPECIAL LIMITED 5 YEAR WARRANTY

Series 20, 25, 40 Bare Pumps, Heavy Duty and 87000 Series Bare Reels

Lincoln warrants series 20, 25, 40 bare pumps, and Heavy Duty and 87000 series (87300, 87500, 87700) bare reels to be free from defects in material and workmanship for five (5) years following the date of purchase. If equipment is determined by Lincoln, in its sole discretion, to be defective during the first year of the warranty period, it will be repaired or replaced at Lincoln's discretion, without charge. In years two (2) and three (3), the warranty on this equipment is limited to repair with Lincoln paying parts and labor only. In years four (4) and five (5), the warranty on this equipment is limited to repair with Lincoln paying for parts only.

Lincoln Industrial Contact Information

To find Lincoln Industrial's Nearest Service Center call the following numbers, or you may also use our website

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