

*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.



When used in conjunction with the Mityvac® Fluid Evacuator Brake Bleeding Accessory Kit, Model 07205, this tool can be used to vacuum bleed hydraulic brake systems.

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 and Dispensing Lubricants (General)**  
*(Motor oil, Gear Oil, Transmission Fluid, etc.)*

**Extracting 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 park 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 from the Fluid Evacuator Plus, 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 to ensure that it is at the “full” mark.

## **Extracting 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. 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.
6. 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.
7. If you wish to use the Fluid Evacuator Plus to dispense transmission fluid from the Fluid Evacuator Plus, 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”.
8. Pull up on pump handle and continue pumping until the transmission is filled to the desired level.
9. Run the engine until it reaches operating temperature to circulate the new fluid and then re-check the level to ensure that it is full.

## **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. 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.
6. 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.
7. 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”.
8. Pull up on pump handle and continue pumping until the cooling system is filled to the desired level.
9. 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.

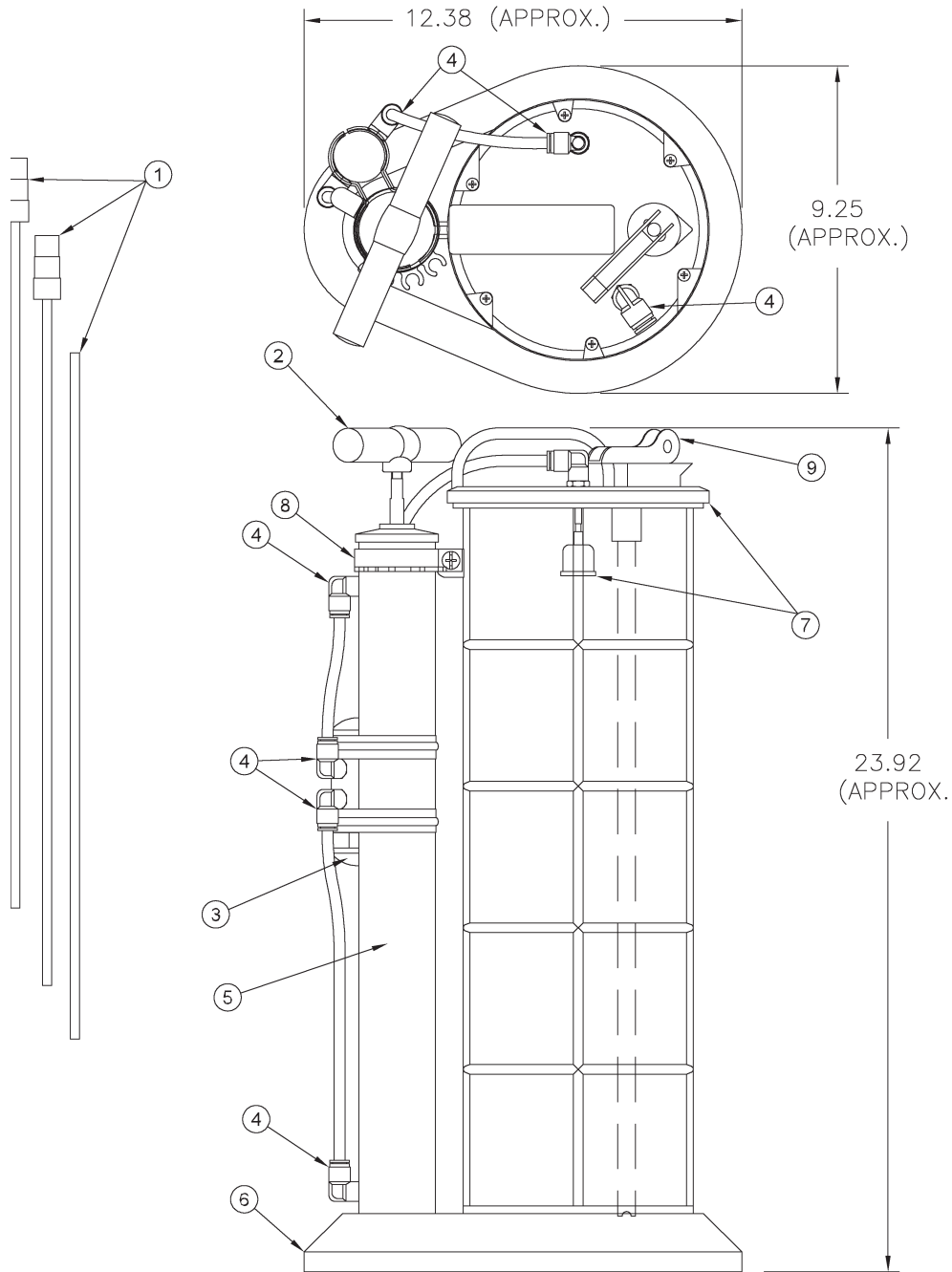
#### **WARNING**

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. Insert the end of the extraction tube into the master cylinder reservoir.
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 brake fluid from the master cylinder reservoir.
7. 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.
8. After all repairs are accomplished, refill the system with new, manufacturer approved brake fluid from a sealed container.

#### **WARNING**

MAXIMUM TEMPERATURE OF FLUIDS:  
176° Fahrenheit (80° Celsius)



### 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	Kit, Expandable Plug	822593
5	Pump Assembly Kit ***	822572			

\* Consists of three tubes, three 8 mm connector and valve

\*\* Consists of three 8 mm connectors and three 10 mm connectors

\*\*\* Consists of two 8 mm connectors, two tube and pump assembly

\*\*\*\* Consists of base and foot bracket

\*\*\*\*\* Consists of top and overflow float.

## LIMITED WARRANTY-

Lincoln warrants the equipment it supplies to be free from defects in material and workmanship for one (1) year following the date of purchase. If equipment proves to be defective during this warranty period it will be repaired or replaced, at Lincoln's discretion, without charge provided that factory authorized examination indicates the equipment to be defective. To obtain repair or replacement, you must ship the equipment, transportation charges prepaid, with proof of date of purchase to a Lincoln authorized warranty and service center, within one (1) year following the date of purchase.

### LIMITED 5 YEAR WARRANTY (Series 20, 25, 40 Bare Pumps, Heavy Duty and Golden Standard Bare Reels)-

Lincoln warrants series 20, 25, 40 bare pumps, and heavy duty and golden standard bare reels it supplies to be free from defects in material and workmanship for one (1) year following the date of purchase. If equipment proves to be defective during the warranty period it will be repaired, or replaced, at Lincoln's discretion, without charge provided that factory authorized examination indicates the equipment to be 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 one (1) year following the date of purchase. Additionally, 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.

This warranty is extended to the original retail purchaser only. It does not apply to equipment damaged from accident, overload, abuse, misuse, negligence, faulty installation or abrasive or corrosive material, or to equipment repaired or altered by anyone not authorized by Lincoln to repair or alter the equipment. This warranty applies only to equipment installed and operated according to the recommendations of Lincoln or its authorized field personnel. No other express warranty applies.

Any implied warranties applicable to equipment supplied by Lincoln, including the warranties of merchantability and fitness for a particular purpose, will last for only one (1) year from the date of purchase. Some jurisdictions do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

In no event shall Lincoln be liable for incidental or consequential damages. Lincoln's liability on any claim for loss or damages arising out of the sale, resale or use of equipment it supplies shall in no event exceed the purchase price. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so 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.

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