

**W07-0001**  
**Instruction Manual**



# 80 LITRE OIL DRAINER

## Technical Data:

- Vacuum level: below 0.08MPa
- Working pressure: 8-10MPa
- Oil storage tank: 80L
- Collecting speed: 0.8L/min
- Pressure: 4KG/cm
- Discharge speed: 1.6L/min

## Operating Instructions:

### 1. PUMP WASTE OIL TO OIL

- Choose a suitable oil suction pipe and connect it to the suction nozzle. then insert it into the sight hole of the engine with lubricant, next switch off the oil exhaust pipe;
- Connect the quick coupler on the top of oil measuring glass to compressed air tube and switch on, while the reading of the vacuum gauge will decrease;
- When the vacuum pressure goes below 0.5 MPa, open the ball valve on the oil suction pipe and thus the waste oil will be pumped out of the engine and flows to the tank quickly via the oil suction pipe.

### 2. FLOW WASTE OIL INTO OIL TANK

- Raise up the auto, then push oil drain tank under the automobile engine; and remove the oil discharge screw.
- Open the oil valve of oil basin, at the same time open the inlet valve at the top of the oil tank; then let waste oil flow into the storage tank from the oil basin.

### 4. PUMP WASTE OIL OUT OF THE OIL STORAGE TANK

- Check all the valves and make sure they are all closed.
- Connect the quick coupler on the top of the tank to compressed air tube and switch on the compressed air tube, thus waste oil will be discharged via the oil exhaust pipe.  
(notice: it may switch off the compressed air tube when the safety valve begins to exhaust.)  
Notice: Air inflation must be available while pumping oil, by doing so it is to reduce gas consumption and pressure to realize faster pumping.

### 5. TROUBLE SHOOTING

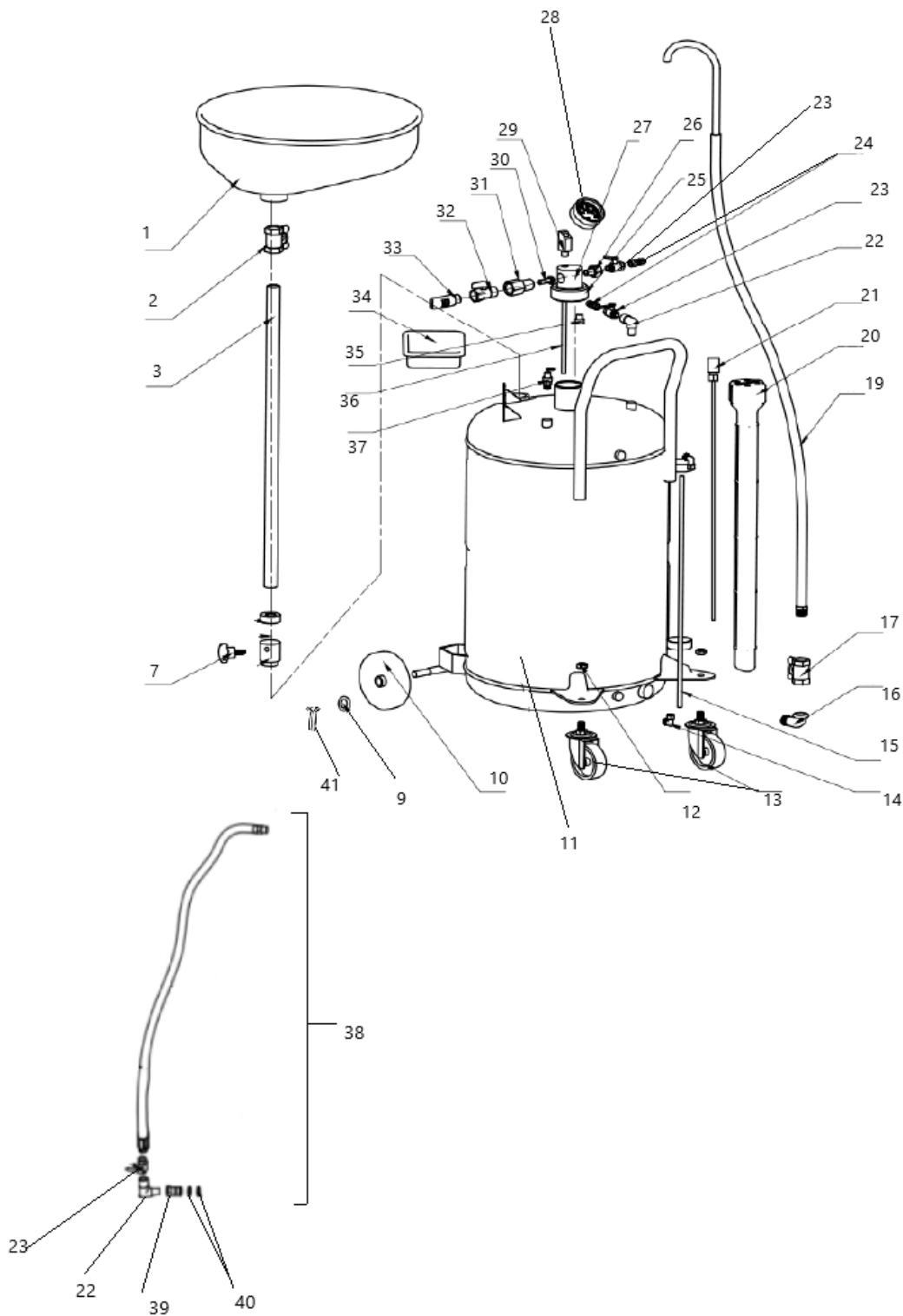
- Solutions for no reading of pressure of the vacuum gauge
  - Check and make sure the air supply is 8-10MPa.
  - Check and make sure that all valves are turned off and in proper condition.
  - Check if the silencer is well-sealed.
- Solutions when pressure of the vacuum gauge reduces, yet it fails to suck oil
  - Check whether the oil suction pipe and oil exhaust pipe are sealed;
  - Check whether the temperature of the waste oil is too low;
  - Check whether the oil pipes are switched on;
  - Check whether the oil pipes are jammed or contact the bottom of the tank.

### 6. TIPS FOR MAINTENANCE

- Clean this machine to make sure it is without faults.
- Check if the machine has leakage or not regularly; if there is leakage, please repair after examination immediately;
- Check the tube is connected closely frequently;
- Do not keep the waste oil in bucket for long time to avoid corrosion to the bucket;
- Wipe the surface of the machine by using towel or cloth; keep the machine clean and place it in shadow to avoid direct sunshine.

### 7. NOTICES

- Only qualified person after training can use this machine;
- Don't smoke near the machine;
- This machine operates better under 60-80°C when the thickness of the machine oil is as 1.3 times as water, and speed slower than water. below such temperature, it may cause unsmooth pumping and fail to pump oil;
- This machine should work with an air compressor with 10MPa pressure output. If less than that, the vacuum level is insufficient, which may cause unsmooth pumping and fail to pump oil;
- When the condition is good, it should use big-inch oil suction pipe to suck oil. An iron tube is featured by direct flowing; a big iron tube can reach 1.8L/min, and a small one 1.4L/min. while, a plastic tube may bend; a big plastic tube can reach 1.8L/min, medium-sized 0.6 L/min. and a small one 0.4L/min. the oil suction pipe cannot be inserted too deep, or else it is impossible to suck oil;
- When the oil exhaust pipe is used for long time, it may leak. If so, check the quick coupler on the top of the pipe to determine if it is loose (This can be done as follows: insert one sealed end of the pipe in oil, blow to the other end of the pipe to check whether it leaks. If it does, repair or change the pipe);
- There is a muffle on the top of tank. When the air compressor is filled with water or operated improperly, oil or water will flow. After solve that problem, there will be no water flowing out.



Part Number	Description	Qty	Part Number	Description	Qty
W07-0001-1	Drainer Funnel	1	W07-0001-24	Air Inlet Connector	2
W07-0001-2	3/4" Ball Valve	1	W07-0001-25	Vacuum Generator Fastening Ring	1
W07-0001-3	Oil Drain Pipe	1	W07-0001-26	Pagoda Air Inlet Connector	1
W07-0001-7	Adjuster Set Screw	1	W07-0001-27	Vacuum Generator Body	1
W07-0001-9	M12x24x1.5mm Washer	2	W07-0001-28	Vacuum Gauge	1
W07-0001-10	5" Wheel	2	W07-0001-29	Connector Block	1
W07-0001-11	Tank	1	W07-0001-30	Pagoda Air Outlet Connector	1
W07-0001-12	M12 Dome Nut	2	W07-0001-31	1/2" Connector	1
W07-0001-13	3" Castor	2	W07-0001-32	1/2" Ball Valve	1
W07-0001-14	1/4" - 8mm Elbow	2	W07-0001-33	Silencer	1
W07-0001-15	Oil Sight Tube	1	W07-0001-34	Storage Tray	1
W07-0001-16	1/2" Elbow	1	W07-0001-35	Check Valve	1
W07-0001-17	1/2" Ball Valve	1	W07-0001-36	Overfill Stop Tube 8mm	1
W07-0001-19	Oil Drain Hose Assembly	1	W07-0001-37	Safety Pressure Releif Valve	1
W07-0001-20	Suction Tube Holder	1	W07-0001-38	Oil Suction Pipe Assembly	1
W07-0001-21	Suction Tube Set 6pc	1 set	W07-0001-39	Suction Mouth	1
W07-0001-22	1/4" Elbow	2	W07-0001-40	O Ring	2
W07-0001-23	1/4" Ball Valve	1			

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