



**Models: JDI-6EV & JDI-20EV
6-Gallon & 20-Gallon Fluid Evacuators &
Oil Drains
Operator's Manual**

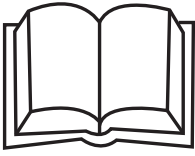


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REV 8/28/17

Safety & Warning Instructions



READ THIS MANUAL CAREFULLY BEFORE INSTALLING, OPERATING OR SERVICING THIS EQUIPMENT

It is responsibility of the employer to place this information in the hands of the operator.
Keep for future reference.

- Wear proper safety equipment and clothing, safety glasses/goggles.
- Hot automotive fluids can burn and injure eyes and body.
- Opening a hot system can cause these fluids to be forcibly sprayed in all directions.
- Use motor oil is flammable. Keep away from flames, sparks, and other sources fo ignition.
- **DO NOT** exceed 10 PSI (0.7 MPa) supply pressure when emptying used oil from this drain.
- **DO NOT** exceed 120 PSI (8.2 MPa) supply pressure when generating the vacuum.

U.S. Environmental Regulations

- Certain automotive fluids are considered to be compatible for recycling used oil per the US Environmental Agency (EPA). Other types of fluids my not be mixed with used motor oil and must be handled as separately. See definitions below:

Used Oil is:

- Synthetic Oil
- Engine Oil
- Transmission Oil
- Brake Fluid
- Hydraulic Oils Cutting / Metal-working Oils

NOT Used Oil:

- Antifreeze
- Gasoline
- Kerosene
- Petroleum distillates and Solvents
- Vegetable or Animal Oil

- Tank should be in good condition with no visible leaks. Repair leaks and clean up spills and properly dispose of waste material.
- Close all valves when the oil drain is not being filled or emptied.

Product Specifications by Model:

Prodcut Specification	JDI-6EV	JDI-20EV
Tank Capacity	6.5 gallons (24.6 liters)	
Overall Dimensions (H x W x D)	35" x 16" 15"	38" x 19" x 21"
Metric Units (cm)	89 x 41 x 38	97 x 48 x 53
Weight (Dry)	32 lb (14.5 kg)	50 lb (22.7 kg)
Air Supply Pressure (Evacuate Drain)	100-120 PSI (6.9 - 8.2 MPa) Max.	
Air Supply Pressure (Vacuum Mode)	10 PSI (0.7 MPa) Max.	

Assembly Instructions for JDI-6EV

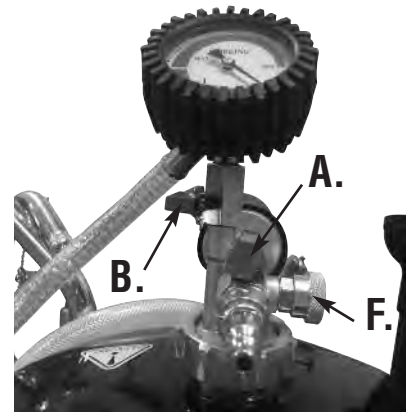
Tools required: 4mm hex wrench

1. Place flexible probes and metal probes in rings on side of tank
2. Secure handle to tank using 4 mm hex wrench
3. Screw on pressure gauge assembly (3/4" diameter hose attached) and hand tighten
4. Connect 1" diameter discharge hose

Assembly Instructions for JDI-20EV

Tools required: 3/4" wrench, 1/2" wrench & Phillips head screwdriver

1. Assemble front casters, washers, lock washers and cap nuts using 3/4" wrench
2. Assemble rear wheels, washers and screws using 1/2" wrench
3. Place flexible probes and metal probes in rings on side of tank
4. Secure handle to tank using Phillip's head screwdriver
5. Screw on pressure gauge assembly (with 3/4" diameter hose) and hand tighten

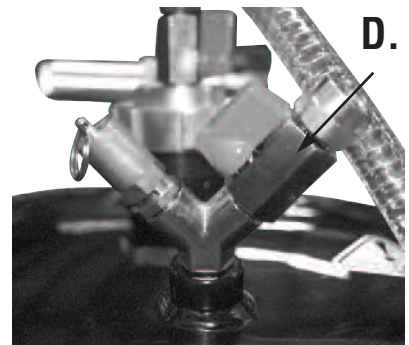
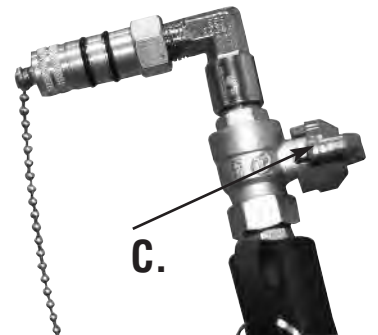


Generating the Vacuum

1. Close all ball valves as shown including:

- A. Air shut off valve (A)
- B. Below venturi (B) to tank
- C. Probe coupler connection (C)
- D. Air into tank (with safety valve), used to empty tank (D)
- E. Discharge hose (E) at base of tank

2. Open the handwheel (F) by turning it counter clockwise.
3. Connect air supply to the venturi port. (Quick connect fitting not included) **Supply air pressure should be between 100 and 120 psi to achieve optimum vacuum.**
4. Open air supply and venturi valves (A) & (B) to generate the vacuum inside the tank. Monitor the vacuum gauge and turn off the air when the gauge indicates that it is in the green zone, close the ball valves, and disconnect the air supply. The tank is ready to be used to extract oil.



Extracting Oil from Vehicle / Gear Case

1. Select the appropriate size probe and insert into the engine oil dip stick tube or gear case port. Remove protective cap and connect to the probe connector.
2. Open the probe coupler ball valve (C) to begin the extraction of oil from the vehicle / gear case.
3. Close valve (C) and remove probe.



Emptying the Drain

1. Place hook end of discharge hose in the used oil collection tank.
2. Close all ball valves except the ball valve **(E)** below the drain hose connector.
3. Connect shop air to the tank connector (with safety valve)
Do not exceed 10 psi supply pressure
4. Open the tank ball valve **(D)** to evacuate the used oil from the drain and discharge into the bulk used oil collection tank.

Maintenance & Storage

1. Periodically check fittings for visible leaks. Service as necessary.
2. Close all ball valve when not in use. Please cap over probe connector.
3. Close the handwheel **(F)** by turning it clockwise.

Replacement Parts:

Item	Description	Qty	Model JDI-6EV	Model JDI-20EV
1	Vacuum Gauge	1	6EV-1	6EV-1
2	Venturi Vacuum Generator	1	6EV-2	6EV-2
3	Suction Hose	1	6EV-3	6EV-3
4	Sight Glass	1	6EV-4	20DCE-8
5	Probe Tube	1	6EV-6	6EV-6
6	Probe Link	1	6EV-38	6EV-38
7	Evacuation Hose	1	25HDC-1	25HDC-1
8	Casters	2	N/A	20DCE-3
9	Fixed Wheel	2	20DCE-7	20DCE-7

Replacement Probes:

Description	Part No.
Differential Probe Adapter	6EV-DP
Flexible Probe 3/16" x 27" (5 x 700 mm)	PR5-700
Flexible Probe 9/16" x 27" (6 x 700 mm)	PR6-700
Flexible Probe 3/16" x 41" (7 x 1000 mm)	PR7-1000
Flexible Probe 13/16" x 59" (8 x 1500 mm)	PR8-1500
Flexible Probe 11/16" x 27" (8 x 700 mm)	PR8-700
Metal Probe 3/16" x 27" (5 x 700 mm)	PRM6-700
Metal Probe 9/16"x 27" (6 x 700 mm)	PRM6-700
BMW Adapter	ADP-BMW
Mercedes Adapter	ADP-MCD
Volkswagen Adapter	ADP-VW

For Service Assistance
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