



6 & 20-GALLON FLUID EVACUATOR AND OIL DRAIN USER'S MANUAL

Part No. JDI-6EV and Part No. JDI-20EV

FOR WARRANTY INFORMATION, PLEASE CALL 800-433-0708

DATE OF PURCHASE: _____

READ AND SAVE THIS MANUAL

FOR SERVICE ASSISTANCE, CALL 800-433-0708 OR VISIT JOHNDOW.COM



Important Safety Information

Read this manual and safety information before using this tank.



DANGER

Indicates a hazardous situation that, if not avoided, could result in death or serious injury.

- Hot motor oil removed from the engine may exceed 220°F and cause severe burns or injuries.
- Opening a hot system can cause these fluids to forcibly spray in all directions.
- Allow oil temperature reduce to 194°F or less before extracting.
- Do not exceed 120 PSI (8.3 bar) supply pressure when generating the vacuum.
- Never exceed the MAX vacuum reading on the vacuum gauge.



CAUTION

Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

- Wear proper personal safety equipment. Use extreme care when handling to prevent burns or injury.
- Do not leave unattended while creating the vacuum.
- Do not use if vacuum gauge is damaged. Replace immediately.
- Tank should be in good condition with no visible leaks. Repair leaks and clean up spills and properly dispose of waste material.

NOTICE

Indicates information considered important, but not hazard-related.

- Monitor fluid level and on drain. DO NOT overfill.
- Closely monitor the flow out of the discharge hose to prevent spills when evacuating oil from the drain.
- Inspect all hoses and probes before use for cracks, kinks, damage, or blisters. Replace damaged hoses or probes immediately.
- Close all valves when not actively filling or emptying tank.

U.S. ENVIRONMENTAL REGULATIONS

Certain automotive fluids are considered compatible for recycling used oil per the US Environmental Agency (EPA). Do not mix other types of fluids with used motor oil. You must handle other types of fluid separately. See definitions below:

Used Oil Includes:

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

Used Oil Does Not Include:

- Antifreeze
- Gasoline
- Kerosene
- Petroleum Distillates and Solvents
- Vegetable or Animal Oils

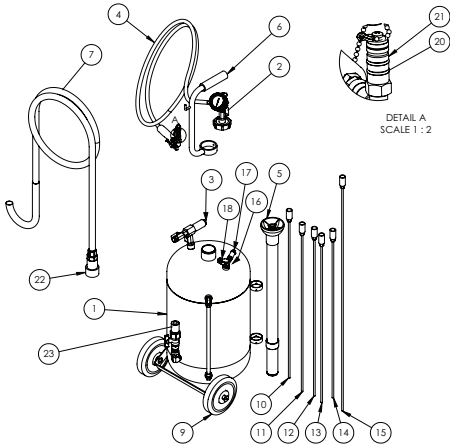
CAPACITY AND DIMENSIONS

Product Specification	JDI-6EV	JDI-20EV
Tank Capacity	6.5 gallons (24.6 liters)	20 gallons (75.5 liters)
Overall Dimensions - H x W x D (in)	35" x 16" x 15"	38" x 19" x 21"
Overall Dimensions - H x W x D (cm)	89 x 41 x 38	97 x 48 x 53
Weight (Empty)	32 lb (14.5 kg)	50 lb (22.7 kg)
Air Supply Pressure (Evacuate Fluid into Drain)	100-120 PSI (6.9 - 8.2 MPa) Max.	
Air Supply Pressure (Evacuate Drain)	10 PSI (0.7 MPa) Max.	

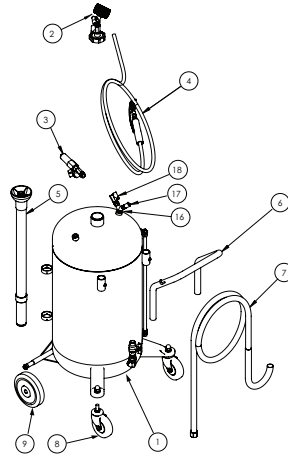
GETTING STARTED

Before assembly, ensure you have all parts according to the content list. If any parts are missing or damaged, contact us for replacement.

COMPONENTS



JDI-6EV



JDI-20EV

Item No.	Description	JDI-6EV Replacement Parts	JDI-20EV Replacement Parts
1	Oil Drain	–	–
2	Vacuum Gauge	6EV-1	6EV-1
3	Venturi Vacuum Generator	6EV-2	6EV-2
4	Suction Hose	6EV-3	6EV-3
5	Probe Tube	6EV-6	6EV-6
6	Drain Handle	–	–
7	Evacuation Hose	25HDC-1	25HDC-1
8	Caster	–	20DCE-1
9	Fixed Wheel	20DCE-7	20DCE-7
10	Flexible Probe (5mmx700mm) - Red	PR5-700	PR5-700
11	Flexible Probe (6mmx700mm) - Green	PR6-700	PR6-700
12	Flexible Probe (8mmx700mm) - Yellow	PR8-700	PR8-700
13	Metal Probe (5mmx700mm)	PRM5-700	PRM5-700
14	Metal Probe (6mmx700mm)	PRM6-700	PRM6-700
15	Flexible Probe (7mmx1000mm) - Clear	PR7-1000	PR7-1000
16	WYE Adapter	25HDC-Y-ADAP	25HDC-Y-ADAP
17	Safety Valve	20DCE-4	20DCE-4
18	Ball Valve	AV-38	AV-38
19	Sight Glass	S-KIT	S-KIT
20	Probe Link O-Rings (4 Pack)	EV-ORING	–
21	Probe Link	6EV-DP	–
22	1/2" Female Quick-Connect Fitting	HA-15231-00	–
23	1/2" Male Quick-Connect Fitting	HA-15232-00	–

Items Not Shown

(2) Lock washers, (2) Large flat washers, (2) Small flat washers, (2) Cap nuts, (1) BMW adapter ADP-BMW, (1) Mercedes-Benz adapter ADP-MCD*, and (1) Volkswagen adapter ADP-VW.

*This adapter is built into the end of the suction hose (Part # 6EV-3). All adapters and probes attach to this integrated Mercedes-Benz adapter.

TOOLS & SUPPLIES NEEDED (not included)

JDI-6EV: 4mm Hex Wrench

JDI-20EV: 3/4" Wrench, 1/2" Wrench, Phillips Head Screwdriver

ASSEMBLY INSTRUCTIONS FOR JDI-6EV

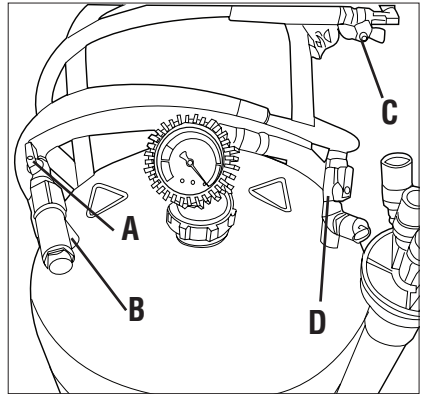
1. Place Probe Tube [5] in rings on side of Tank [1].
2. Place Flexible Probes [10, 11, 12, 15] and Metal Probes [13, 14] in Probe Tube [5].
3. Secure handle [6] to Tank using 4mm Hex Wrench.
4. Screw on Vacuum Gauge Assembly [2] and hand tighten.
5. Connect 1" diameter Evacuation Hose [7], tighten with 1-1/16" Wrench.

ASSEMBLY INSTRUCTIONS FOR JDI-20EV

1. Assemble Front Casters [8], Washers, Lock Washers and Cap Nuts using 3/4" Wrench.
2. Assemble Rear Fixed Wheels [9], Washers and Screws using 1/2" Wrench.
3. Place Probe Tube [5] in rings on side of Tank [1].
4. Place Flexible Probes [10, 11, 12, 15] and Metal Probes [13, 14] in Probe Tube.
5. Secure Handle [6] to Tank using Phillips Head Screwdriver.
6. Screw on Vacuum Gauge Assembly [2] and hand tighten.

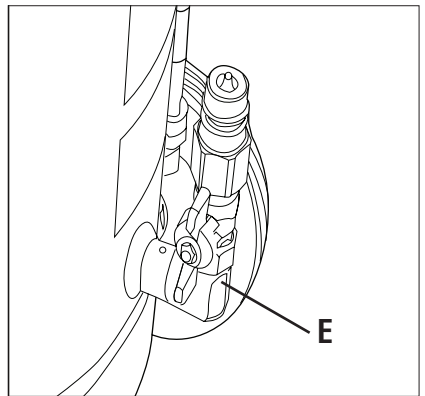
Generating the Vacuum:

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) [D], used to empty tank
 - E. Discharge hose [E] at base of tank
2. Connect air supply to the venturi port (quick connect air fitting not included) [3]. Supply air pressure between 100 and 120 PSI to achieve optimum vacuum.
3. To generate the vacuum inside the tank, open air supply [A] and venturi valves [B]. Monitor the vacuum gauge and turn off the air when the gauge is in the green zone by closing the ball valves [A & B]. Disconnect the air supply. The tank is ready to extract oil.



Extracting Oil from Vehicle:

1. Select the appropriate size probe [10-15] and insert into the engine oil dip stick tube or gear case port.
2. Remove protective cap from suction hose [4] and connect to the probe connector.
3. To begin the extraction of oil from the vehicle / gear case, open the probe coupler ball valve [C].
4. When complete, close valve [C] and remove probe.



Emptying the Drain:

1. Place hook end of Evacuation Hose [7] in the used oil collection tank.
2. Close all ball valves except the ball valve below the evacuation hose connector [E].
3. Connect shop air to the tank connector (with safety valve) [D]. Do not exceed 10 PSI supply pressure.
4. To evacuate used oil from the drain, open the tank ball valve [D].
5. When drain is empty, close tank ball valve [D] and disconnect air supply.

Maintenance & Storage:

1. Periodically check fittings for visible leaks. Service as necessary.
2. Keep cap on end of suction hose and keep all ball valves closed when not in use.