



106-Gallon Auxiliary Fuel Tank

Model JDI-AFT106
Operator's Manual



JohnDow Industries, Inc.
151 Snyder Ave.
Barberton, OH 44203

REV04/17

IMPORTANT SAFETY INSTRUCTIONS



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



DANGER

This tank is for use with DIESEL ONLY (UN-1202)

Any dangerous material than UN 1202 DIESEL is prohibited. These prohibited materials include:

- Gasoline (UN 1203)
- Aviation Fuel (UN 1863)
- Kerosene (UN 1223)
- Methanol (UN 1230)
- Solvents and generic flammable liquids
- Corrosive substances

The features and materials used for construction of the Auxiliary tank and the 12V transfer pump make the storage and transportation of the following substances prohibited.

- Liquids with viscosity > 20 cSt
- Water
- Food liquids



WARNING

Diesel vapors may ignite about 131°F (55°C) in the presence of any spark or other trigger. It is important to follow the following precautions:

- DO NOT use the Auxiliary tank in areas where explosive fumes can accumulate.
- Always use in a well ventilated area.

- DO NOT smoke or use flames or sparks near the tank.
- Keep the tank at least 3 feet from the battery.
- Thoroughly clean-up any leaks or spills.



CAUTION

The Auxiliary tank must be firmly anchored to the bed of the vehicle by means of belts or straps to prevent the tank from shifting or sliding during transport or use. (See page 2 for more information.)

The shut-off valve **MUST** be kept closed during transportation.

DO NOT overfill the tank. Leave a minimum 5% empty space to allow the expansion of the fuel if the tank is exposed to high temperatures.

To avoid damage to the 12V transfer pump, it should be used **ONLY** within the following timelines:

- Maximum of 30 minutes of continuous use in normal conditions
- Maximum of 2 minutes in bypass mode

Regulations for the transportation of diesel fuel vary from state to state. It is the vehicle operator's responsibility to comply with all federal, state and local regulations.

Use of this Auxiliary tank with any fuel other than diesel will **VOID** the warranty.

Capacity and Dimensions:

Model No.:	JDI-AFT106	Width:	31.5"
Capacity (Gallons):	106	Length:	47.2"
Weight (Empty):	118 lbs.	Height:	30.9"

OPERATING THE AUXILIARY TANK

Filling the Auxiliary Tank With Diesel Fuel

1. Before filling make sure the tank has no defects in the structure or equipment.
2. Fill the tank slowly to prevent static buildup.
3. When filling the tank a minimum empty space must be maintained to make sure that when the diesel fuel expands due to heating, fuel does not spill out or vapors are not emitted into the atmosphere.
4. It is recommended not to fill the Auxiliary Tank beyond 95% of capacity – approximately 55 gallons.

Securing and Transporting Filled Auxiliary Tank

1. The Auxiliary Tank must be properly secured to the trailer or truck bed before transporting to avoid movement.
2. Use a high-strength nylon tie-down strap(s).
3. DO NOT place the tank inside a trunk or passenger compartment.

Fuel Transfer

To begin the transfer process follow these operations in order:

1. Make sure the switch on the transfer pump is in the OFF (“O”) position. (See item 7)
2. Connect the power cables to the battery terminals. Red clamp to the positive (+) terminal and Black clamp to the negative (-) terminal. (See Item 4)
3. Unroll the transfer hose and insert the nozzle into the destination tank with nozzle blocked in the OPEN position. (See Item 12)
4. Turn the ball valve to the OPEN position. (See Item 6)
5. Start the transfer pump by placing the switch in the ON (“I”) position.
6. Proceed with the transfer for a maximum of 30 minutes from the time the pump was turned ON. DO NOT run pump when not transferring for more than two minutes.
7. Fill the tank to the desired level or wait until the automatic nozzle snaps CLOSED. (See Item 3)

When transfer is completed follow these operations in order:

1. Stop the transfer pump by placing the switch in the OFF (“O”) position.
2. Turn the ball valve to the OFF position.
3. Relieve all residual pressure in the hose by dispensing more liquid holding the nozzle handle OPEN for a few seconds.
4. Roll-up the transfer hose and place the hose and nozzle in their proper positions.
5. Disconnect the power cables from the battery terminals and store in the proper position.



Item List for JDI-AFT106	
1	Locking Cover
2	Filler Cap with Vent
3	Automatic Dispensing Nozzle
4	Power Cable with Battery Terminal Clamps
5	Suction Hose Coupler With Filter
6	Fuel Level Gauge
7	12V Fuel Transfer Pump
8	Suction Hose, Clamp and Curved Tube
9	Strainer Filter with Coupler
10	Lid Clasps (2)
11	Delivery Hose
12	Tool Storage Bin
13	10 Gallon DEF Tank (Optional)



**For Service Assistance
Phone Toll Free 1-800-433-0708**

JohnDow Industries, Inc.

151 Snyder Ave.
Barberton, OH 44203
Phone: 330-753-6895
Toll-Free: 800-433-0708
Fax: 330-753-6419
Website: www.johndow.com