



15-GALLON FUEL STATION USER'S MANUAL

UN/DOT APPROVED

Part No. JDI-FST15

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 user's manual and this safety information before using this fuel station.

DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

The use of this product includes the handling of gasoline.

DANGER GASOLINE

EXTREMELY FLAMMABLE

VAPORS CAN EXPLODE

HARMFUL OR FATAL IF SWALLOWED

- Keep container closed.

- If swallowed, do not induce vomiting. Call physician immediately.
- Do not siphon by mouth.
- Avoid prolonged breathing of vapors.
- Keep out of reach of children.
- Do not store in vehicle or living space.
- Store and use in well-ventilated area.
- Vapors can ignite by a spark or flame source many feet away.
- Keep away from flame, pilot lights, stoves, heaters, electric motors, and other sources of ignition.
- Do not smoke near or while using this product.

WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

Static charge and container filling warnings.

- Place container in horizontal position on the ground when filling.
- Dissipate any static electricity from your body by touching a metal surface away from the service station nozzle and prior to removing service station nozzle from dispensing pump.
- Keep service station nozzle in contact with tank while filling.
- Monitor flow to prevent spills and overfilling.
- Fill slowly to prevent buildup of static charge.
- Do not re-enter vehicle while filling. Re-entry can cause static buildup on person and create spark.
- Do not use electronics or mobile phones while using this fuel station.
- Do not use funnels to fill or dispense fuel with this fuel station.
- If fire starts, do not remove service station nozzle. Back away immediately.
- Use ground wire to equalize static charge potential between receiving equipment and this tank.

WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

Use, transportation, and storage warnings.

- Confirm all users are trained on safe working practices and comply with any and all regulations for using, transporting, and storing gasoline.
- Confirm all fittings and connections are tight and leak-free.
- Do not modify this fuel station or its components.
- Perform the entire closure procedure after filling and before transporting.
- Do not place inside a vehicle trunk or inside passenger cabin.
- Secure or strap fuel station to a trailer or truck bed.
- Open fill cap manual vent screw slowly to release internal pressure prior to opening valve and nozzle.
- Use care when lifting to prevent loss of control or injury. Seek assistance to avoid strain or injury.
- State and local regulations vary for the transportation of gasoline. It is the vehicle operator's responsibility to review and comply with all federal, state, and local regulations regarding gasoline transportation.
- Do not store in direct sunlight.
- Do not store in an attached garage connected to a residence or dwelling.

REGULATIONS FOR USE

The persons or functions using this product may be subject to additional regulations including PHMSA, DOT 49 CFR Subchapter C – Hazardous Materials Regulations (HMR) as well as requirements of other federal agencies, and requirements of state and local government agencies. It is the persons responsibility to determine the applicability of these regulations and for compliance to these regulations.

Resources for additional information:

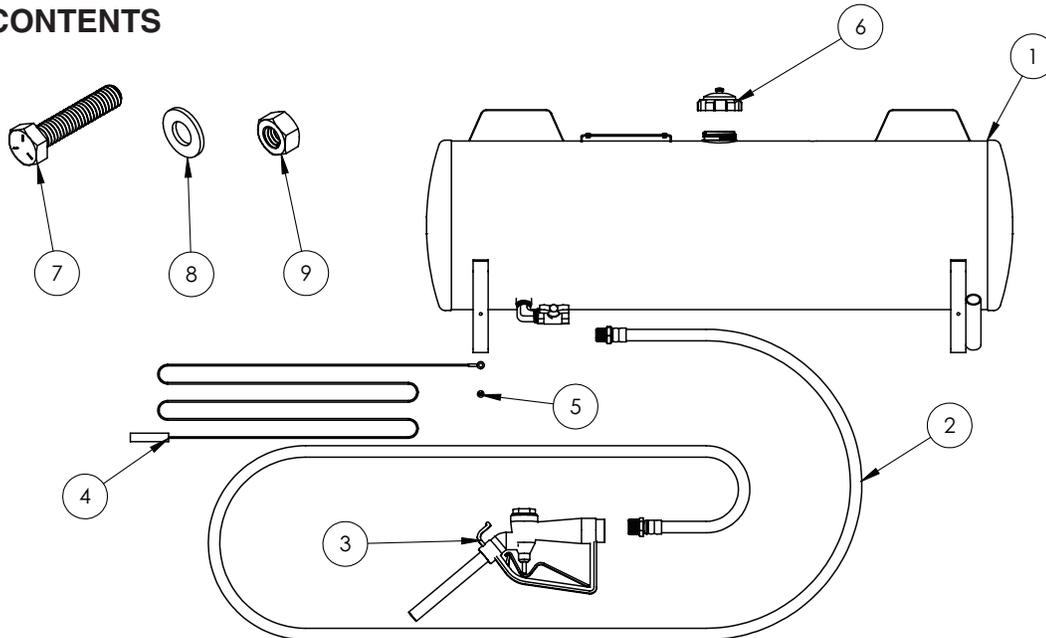
<https://www.phmsa.dot.gov/regulations-and-compliance>

<https://www.phmsa.dot.gov/about-phmsa/phmsa-faqs>

GETTING STARTED

Before assembly, ensure you have all parts according to the contents list below. If any parts are missing or damaged, contact JohnDow Industries for replacement.

CONTENTS



Item No.	Description	Qty.
1	Tank	1
2	1/2" x 10' Hose w/1/2" NPT & 3/4" NPT Fittings	1
3	Dispensing Nozzle	1
4	Ground Wire	1
5	10-32 x 3/8" Self-Tapping Ground Screw (assembled onto tank)	1
6	2-1/4" Fill Cap w/Rubber Gasket	1
7	5/16" x 1-1/2" Hex Head Cap Screw, Grade 8.8	4
8	5/16" Flat Washer	8
9	5/16" Hex Nut	4
10	UN1203 Gasoline Label (not pictured)	1

TOOLS REQUIRED

Flat Head Screwdriver or 5/16" (or 8mm) Nut Driver
7/8" and 1-1/16" Wrench

Adjustable Wrench
PTFE Tape (included)

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ASSEMBLY INSTRUCTIONS

Before use, read and follow all safety instructions on page 2 of this user's manual.

1. Remove ground screw [5] from tank [1] leg using screwdriver or nut driver. Assemble green ground wire [4] to tank by placing screw through the connector and reattaching to tank leg. Tighten securely using screwdriver or nut driver.
2. Assemble fill cap [6] onto fill neck. Make sure cap is secure by turning completely to stop position, described in *To Close for Transportation or Storage*.
3. Wrap ½" fitting on hose [2] with PTFE tape. Thread into ball valve. Tighten with wrenches.
4. Wrap ¾" fittings on hose [2] with PTFE tape. Thread nozzle [3] onto hose end. Tighten with wrenches.
5. Affix the included GASOLINE UN 1203 [10] label to the fuel station, on a side visible during transportation.

TO FILL FUEL STATION

Before filling, read and follow all safety instructions on page 2 of this user's manual.

1. Always lay fuel station on the ground away from vehicle before filling to dissipate any static charge.
2. Dissipate any static electricity from your body by touching a metal surface away from the service station nozzle and prior to removing service station nozzle from dispensing pump.
3. Ensure the ball valve is closed. The ball valve handle should be in a 90° position to the valve body, as described in *To Close and Secure for Transportation and Storage*.
4. Remove fill cap from fuel station and insert service station nozzle into the filler neck opening.
5. While filling:
 - a. Do not remove service station nozzle from fuel station. Keep the service station nozzle in contact with the rim of the fuel station at all times until fueling is complete.
 - b. Do not use service station nozzle lock-open device. Fill slowly to prevent the buildup of static charge. Stop immediately if you sense the buildup of static charge. Do not resume filling until static charge dissipates.
 - c. Closely monitor flow to prevent spills and overfilling. Do not fill above the bottom of the filler neck.
6. Replace fill cap and tighten as securely as possible by hand, as described in *To Close and Secure for Transportation and Storage*.
7. Wipe any gasoline residue from surface of fuel station or allow to evaporate. If fuel spills on clothing, change clothing immediately.

TO DISPENSE FROM FUEL STATION

Before use, read and follow all safety instructions on page 2 of this user's manual.

1. Ensure fuel station is at a higher elevation than the receiving tank. Fuel is gravity dispensed through the dispensing nozzle.
2. Attach the ground wire clip end to frame of the equipment receiving the fuel to create a bond. Bonding will place both the fuel station and receiving equipment at the same static charge potential.
3. Slowly open the fill cap's manual vent screw to release any internal pressure. After releasing pressure, open ball valve by turning the handle clockwise. The ball valve handle should be in-line with the valve body.
4. Place the dispensing nozzle into the receiving fuel tank. The dispensing nozzle must remain inside the receiving tank during the entire fill process.
5. Remove the locking clip from the dispensing nozzle. Squeeze dispensing nozzle handle to begin flow, release to stop. Monitor flow and liquid levels to prevent spills and overfilling.

TO DRAIN FUEL FROM HOSE BACK INTO FUEL STATION

Before use, read and follow all safety instructions on page 2 of this user's manual.

1. Elevate dispensing the nozzle above the hose and slope the hose back to the valve providing a clear path for fluid to drain.
2. Squeeze the handle of the nozzle to allow the hose to vent and fuel to drain back into the tank.
3. Close the ball valve per the procedure below.
4. Replace locking clip onto the dispensing nozzle.

TO CLOSE FOR TRANSPORTATION OR STORAGE

Before transporting and storing, read and follow all safety instructions on page 2 of this user's manual.

1. Close ball valve by turning the handle counter-clockwise until it stops in 90° position, as shown in Figure 1.
2. Replace fill cap and tighten in the clockwise direction as securely as possible by hand, as shown in Figure 2.
3. Tighten fill cap's manual vent screw in the clockwise direction as securely as possible by hand, as shown in Figure 2.

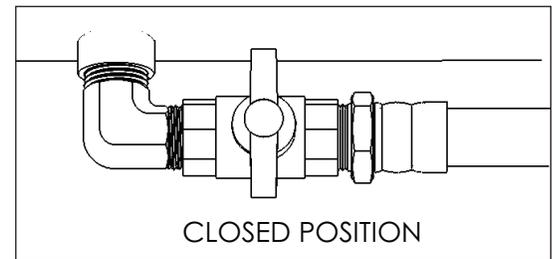


Figure 1

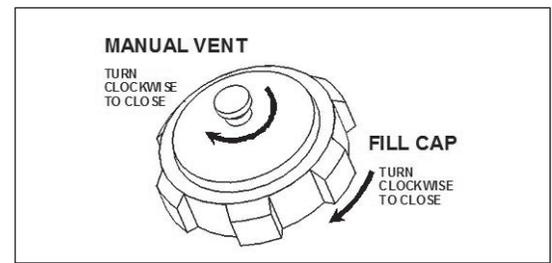


Figure 2

SECURE BEFORE TRANSPORTATION

Before transporting, read and follow all safety instructions on page 2 of this user's manual.

1. Secure the fuel station onto a trailer or truck bed, in the horizontal position only. Do not place inside a vehicle trunk or inside the passenger cabin.
2. To secure the fuel station, use ratchet-style polyester cargo tie down straps having a 300 lb. minimum working load (WL). Do not use friction or cam lock style straps.
3. Secure by routing the cargo straps over the tank through the top brackets. Do not attach cargo tie down straps to the ball valve or route the straps directly against the fill cap.

STORAGE

Before storing, read and follow all safety instructions on page 2 of this user's manual.

Upon use, all statements below apply, whether the fuel station is empty, full, or partially full. Store the fuel station in accordance to the following:

1. It is the user's responsibility to review and comply with all local and state building and fire codes regarding proper storage of gasoline and the approved storage locations.
2. Store in well-ventilated area away from direct sunlight, flame, pilot lights, stoves, heaters, electronic motors and other sources of ignition.
3. Do not store inside a vehicle passenger cabin or trunk, residence, living space or basement, or an attached garage connected to residence or dwelling.

REPLACEMENT PARTS

Item No.	Part No.	Description
1	FST15-BV	1/2" F x F Ball Valve
2	201594	2-1/4" Fill Cap w/Rubber Gasket
3	FST15-EB	1/2" NPT M x M 90° Elbow
4	30GC-49-OM	Ground Wire Assembly
5	FST15-HOSE	10' Hose, 1/2" NPT, 3/4" NPT
6	FST15-NOZZLE	Dispensing Nozzle

PRODUCTION TESTING AND REUSE

Model JDI-FST15 is a DOT approved packaging for the transport of UN 1203, Gasoline, Packing Group II. The marking plate on the product designates the packaging was tested including leakproofness testing per 49 CFR §178.604 during production before being first used in transportation.

However, in order to assure the integrity and performance of the packaging, 49 CFR §178.604 also requires production testing prior to reuse per 49 CFR §173.28. §173.38 requires inspection for a reduction in integrity, leakproofness testing, and marking.

HOW TO COMPLY WITH §178.604 AND §173.28

The fuel station user or third party should complete the inspection and leak-proof test prior to reuse.

Inspection for evidence of a reduction in structural integrity. This is determined by the person doing the inspection. It is suggested the person inspect for ruptures, creases, cracks, corrosion, bent filler neck, damaged cap, and/or broken cap valve. Fill caps and components may be replaced. Do not recondition or use if the tank has a reduction in structural integrity after inspection.

Leakproofness testing. Perform on an empty JDI-FST15 tank only. Apply a 3.0 psi air pressure and using a test method per Appendix to Part 178 – Alternate Leakproofness Test Methods. Acceptable methods include:

- 1) Pressure differential test by holding for sufficient time to determine if there is a change in pressure.
- 2) Solution over seams test by coating all seams and welds with a soapy water solution and holding for a sufficient period of time to determine if air is leaking.

A package passes the leakproof test if there is no leakage of air after sufficient time after establishing 3.0 psi inside the tank. Typically, 30-60 seconds is a sufficient amount of time.

Marking to indicate successfully-passed inspection and leakproofness test. Mark the packaging with the letter "L", the name and address or symbol of the person conducting the test, and the last two digits of the year the test was conducted. Symbols, if used, must be registered with the Associate Administrator.

Equipment. A Leakproofness Test Kit, JDI-FST15-TK2, for model JDI-FST15 is available from JohnDow Industries. The kit includes the necessary test equipment, instructions, and blank marking labels to write on and affix to the tank.