Welcome to Optimus Industries, LLC

All the employees of Optimus Industries, LLC want to THANK YOU for the purchase of your OI Restroom Trailer. At OI, we are humbled by your choice to buy our product, a decision we do not take lightly or for granted. OI boasts over 100 years of experience in the trailer industry including over 40 years in the portable sanitation industry, so we have made every effort to ensure exceptional function, durability, and performance for years to come.

Please review all the information in this manual and return the warranty registration within 21 days. Also, complete and return all warranty cards for each component as directed by their manufacturer.

Note: *All components, instructions, and specifications contained in this manual are based on the latest product information at the time of publication. Optimus Industries, LLC reserves the right to make changes to materials, equipment, and specifications at any time without notice or obligation and assumes no responsibility for any errors in this manual.*

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Pre-Trip Checklist:

This is the most important thing you should look at before using your new trailer. Please take your time, and make sure you go over this list completely!

- Hitch and coupler w/safety pin
- Safety chains crossed and secured properly
- Breakaway cable is properly attached to the vehicle
- All Jacks are up
- All running lights, brake lights, and turn signals functioning
- Brakes, brake controller, and breakaway system
- Proper tire pressure and tire condition on trailer and tow vehicle
- Wheel lug nuts tightened
- Doors are closed and locked
- Grab rails are properly stowed and secured
- Both Fresh & Wastewater tanks must be empty prior to transporting the trailer
- If equipped, the water heater must be empty prior to transport

Always remember that some common causes of accidents are (1) driver error, (2) failure to match your road speed with road conditions, and (3) improper loading.

Safety chains: Be sure to always connect the safety chains by crossing them beneath the coupler when hooking up your trailer. Crossing your safety chains will create a cradle to catch the tongue in case of disconnect from the hitch. Allow enough chain for turning, if too long, then they should be shortened (just simply twist them). If they look like they have been over-stressed, they should be replaced. **In some states it is required by law, that you cross your safety chains.**

Brakes: Every OI trailer comes equipped with brakes. Repair and service information for each available type of brake can be found in the Axle Manufacturer's Service Manual. Please follow all the Axle Manufacturer's instructions concerning brakes. Remember that failure to follow instructions could result in loss of warranty.

Tire pressure: The proper air pressure for your tires is printed on the sidewall of the tire. Air pressure should always be checked when tires are cold for the most accurate reading. You must not raise or lower your air pressure to meet your load. Serious injury may result in under and over inflation. Excessive wear and tear will also result if recommended pressure is not met. You must avoid, if possible, any chuckholes, curbs, or other hazards in the road.

Hitch and coupler: You must correctly match your tow vehicles to your trailer. It is essential that your tow vehicles can handle the total trailer weight (GVWR). You should also check to see that the hitch weight carrying capacity of your tow vehicle matches the loaded tongue weight of your trailer. If you have a brake controller, then you want it to match with the number of braking wheels on your trailer. The electrical wiring of your tow vehicles needs to match the wiring on your trailer. **It is very important that the ball on your hitch matches the coupler size on the trailer.**

Hitching Up:

To ensure safe towing, make sure you have a suitable vehicle and hitch for your trailer. It is the trailer owner's responsibility to correctly match the combination of tow vehicle and trailer. Contact a hitch specialist, who can help you match your tow vehicle, hitch, and equip you with a properly installed brake controller.

Make sure the ball on your hitch matches the coupler size on the trailer.

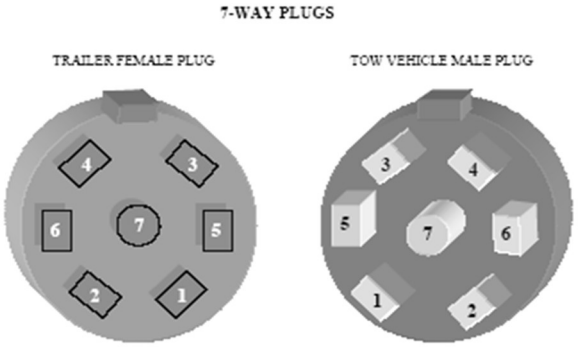
- Use the jack to raise the coupler high enough for the hitch ball to slip beneath.
- Release the coupler-locking device (raise the lever).
- Back your tow vehicle into mounting position.
- When properly aligned lower the coupler onto the ball.
- Continue raising the jack until it is fully retracted and the drop leg is fully raised.
- Latch the coupler-locking device (It is very important to re-insert the pin in the lock hole).
- Connect the safety chains by crossing the chains beneath the coupler and attach them to the tow vehicle. Allow enough slack for turning, but no dragging (Tip: if chains are too long, simply twist them to shorten).
- Connect the electrical plug on the trailer to the plug on the tow vehicle. Check to make sure that all running, directional, and brake lights are functioning.
- Take a trial run and familiarize yourself with the handling characteristics of our tow vehicle and trailer.

Important Note

If your OI unit is equipped with a bottom sump dump valve that hangs below the unit. The unit requires being towed no less than level and actually benefits by being towed tongue up to protect the gate valve.

Trailer Wiring:

You must have the correct vehicle wiring when using your trailer. Trailers are equipped with brakes and a 7-way plug. Don't forget that a ground wire running from the plug back to the frame of the tow vehicle must be incorporated into proper tow vehicle wiring. **WARNING: Safety chains, hitches, and couplers DO NOT provide adequate grounding by themselves and can cause electrical failures.**



Number	Color	Function
1	White	Common Ground
2	Blue	Electric Brakes
3	Green	Tail, License, & Running Lights
4	Black	Battery Charge, Hot, & Dome
5	Red	Stop & Left Turn Signal
6	Brown	Stop & Right Turn Signal
7	Yellow	Extra Auxiliary

Setup:

With the delivery/setup checklist in hand, your restroom trailer can be towed to the event location. Once the desired location for the trailer is deemed suitable with the water and electrical sources within reach, then the trailer can be unhitched, and setup can begin.

Ground contact set up:

- Level the trailer and verify the steps will properly extend to the ground and operate safely.
- Lower the nose down slightly and lower the rear jacks.
- Raise the nose back to level and lower the front scissor jacks.
- Raise the tongue jack slightly so the unit rests on the front and rear stabilizer jacks.

Setting up the “Inside” steps:

- Unlock the folding grab handles, swing out, and lock in place.
- Unlock the entry door and pull open.
- While gently leaning against the inside of the door, turn the latch, and carefully lower the step assembly to the ground. (some gentle manipulation of the step may be required to clear the door)
- Level the step assembly by extending or retracting the adjustable feet.

Systems and final set up:

- Connect the water hose and the power cords.
- Check that all needed breakers and switches are turned on.
- Set the climate control system to the desired setting.
- Enter each room of the trailer and inspect all lights, fixtures, toilets, and stall doors (if equipped).
- Test all faucets and toilets, open all stall doors (if equipped) and complete the inspection with a general walk-around.

Electrical Hook-Up:

The power connector(s) is/are located on the roadside wall, to the left of the utility door. Connect to a 120 Volt, minimum 15 Amp, GFI, (Ground Fault Interrupter) outlet. Use up to a 100ft long 12 Ga. (minimum) extension cord. Units with additional electrical options may require multiple extension cords. If multiple cords are needed, then multiple outlets on separate circuits will be needed to properly power the unit. Before proceeding, check the breakers in the breaker panel(s) to assure the appropriate breakers are switched on.

There is a directory on the control room door that explains the distribution of power amongst the inlets.

For example: If you have a base OI-3 unit with a heat package, water heater and a stereo added.

There are four (4) electrical inlets and each one powers different parts of the trailer. The breakdown and details per inlet are as follows:

1. Top cord – this powers the water heater (12 amps) and the blanket heater (5 amps) on the waste tank.
2. Middle top cord – this cord powers a room heater (7 amps) and the wall heater (7 amps) in the control room.
3. Middle bottom cord – this cord powers the other two room heaters (14 amps total).
4. Bottom cord – this cord powers the convertor for all 12v – radio, lights, fresh pump (4 amps) and the air conditioner (12.8 amps cool / 16 amps heat).

At full amp draw, these cords will not exceed 20 amps so the number of outlets/extension cords will depend on your needs. They breakdown as follows:

Summer operations:

Base unit without AC: One cord providing 15 amps.

Base unit without AC but including water heater: Two cords providing 15 amps each.

Base unit with AC: One cord providing 20 amps.

Base unit with AC and water heater: Two cords with one providing 20 amps and one providing 15 amps.

Cold weather operations:

Base unit with heat strip (in AC unit): One cord providing 20 amps.

Base unit with heat strip and water heater: Two cords providing 20 amps each.

Base unit with all room and tank heaters: Three to four cords providing 20 amps each.

If you are using your unit in temperatures below freezing, it is very important all heaters (room & tank) run continuously to ward off freezing of your water lines and waste tank.

Water Hook-Up:

City Fill: Connect to the water source using a common garden hose. Attach the hose to the City Fill water connection located on the roadside wall close to the utility door. You can choose to fill the fresh tank via the City Fill or you can hydrate the unit for use.

Water Heater: For those units equipped with a water heater, the temperature has been preset to the lowest setting so you will need to set it to your desired temperature after filling and prior to operation. The supply line shut-off valves are closed from the factory. **Make sure to open the valve and fill the water heater prior to powering the unit.** If using the water heater, the shut-off valve will normally remain open except when performing water heater maintenance or when winterizing.

On-Board: If your unit is equipped with the On-Board Fresh Water System, you will find all the components located in the control room. This will include a freshwater tank, a freshwater pump and an expansion tank. The freshwater tank is filled by turning the freshwater fill valve to open and the unit supply line to closed. The supply pump will operate based on demand and the supply valve will need to be opened to provide water to it. The expansion tank acts as a reserve, so the pump does not cycle continuously.

Spray-Port: If your unit is equipped with an external spray-port, the coil hose and nozzle will be in the control room and the port is located on the curbside of the unit. The water supply valve is in the control room so the port can be switched on/off when needed. The port can be used whenever bulk amounts of water are needed and can be operated on the city water or the freshwater side.

Waste and Fresh Water Tanks:

The waste tank is constructed of 1/2" co-polymer, extrusion welded polyethylene, and the freshwater tank is roto-molded polyethylene, so they are virtually indestructible. However, it should be noted that for safety and code compliance reasons, both waste and fresh tanks **MUST BE EMPTY PRIOR TO TRANSPORTING** the trailer.

Before every event or rental period, the waste tank should be “charged”. This refers to the bottom of the waste tank being covered with approximately ½” of fresh water treated with deodorizing packets. The recommended packet rate is 1-2 packets per 40g of waste tank. The recommended water amounts are as follows:

Charging the Waste Tank: (10-12’ = 50 gallons - 14-16’ = 75g - 20’+ = 100g)

Once the trailer is set, leveled, and blocked add the appropriate amount of water to the waste tank for the unit size. This can be accomplished by simply timing the fill. A typical 100’ hose flows at approx. 6 gallons per minute. Once filled to the desired amount, turn off the water supply. After turning off the water supply, connect the garden hose to the city water fill. Add the tank deodorizers per the schedule above to complete the charging of the waste tank. Once added the tank is ready for use.

Operation:

Air Conditioning / Heating: Climate Control is provided via a roof air conditioner and a heat strip. The cooling and heating controls are located inside the control room and are mounted on the control panel. Refer to A.C. Manual for operation.

The air conditioner and optional heater are both located in the control room and operate on 120 volts. The controls for the unit are located on the control panel. Refer to the operator manual for control heat and AC.

If you are using your unit in temperatures below freezing, it is very important all heaters (room & tank) run continuously to ward off freezing of your water lines and waste tank.

Monitoring the Waste Tank: The wastewater tank has a L.E.D. tank level monitor located in the control room. The display panel is above the control center and an accurate percentage reading is displayed when the "read" button is pressed.

Add the appropriate odor control and waste digesting chemicals to the waste holding tank

Waterless Urinal: The urinals are waterless and drain directly into the waste tank. Please find the urinal cartridge in the control room and consult their manual or website for maintenance information.

Toilets: The toilets drain directly into the waste tank. They are foot operated and the shut off valves for the toilets are located behind each toilet. In addition, each sink also has a shut-off valve, which is located under each vanity.

Doors: For Single User – Private Floorplans: The "in-use" lock is in the deadbolt itself. A label on each slide bolt indicates the locked and unlocked position of the bolt. When the dead bolt is moved into the locked position, the bolt activates the occupied light changing it to red (occupied). When the dead bolt is moved back to the unlocked position, the light will change to green (vacant). The door can only be key locked from the outside for security and for transporting.

Doors: For Multi-User – Public Floorplans: The door can only be key locked from the outside for security and for transporting.

Mirrors: All mirrors are made of shatter-proof glass. For best results, clean mirror with warm water, wipe and dry using a soft, lint free cloth. When using common household glass cleaners, never spray directly on the mirror. Always apply cleaner directly to a lint free cloth, wipe, and dry immediately. Proper care and handling should always be taken to avoid allowing any liquid or substance to contact the edges of the mirror. Continuous use of household cleaners can result in edge damage as many contain chemicals such as chlorine, alkali, or sulfuric acid, which can be harmful to mirrors.

Paper Towel Dispenser: These dispensers use any C/multi fold paper towel.

Soap dispensers: The soap dispensers are bulk fill dispensers, and any non-foaming bulk fill soap may be used.

Important note: It is NOT RECOMMENDED to leave soap in the dispensers during periods of high heat or long rest.

Tear Down:

Once the event/rental has concluded and with your return/tear-down checklist in hand, your restroom trailer can be returned to “road-worthy” condition and transported back to your shop.

- The waste tank should be emptied (pumped) prior to transport and is required to ensure a safe return trip.
- If your unit is equipped with a water heater, drain excess water before travel. (See winterizing attachment for instructions.)
- If your unit is equipped with roof vent/fans, make sure the vents are closed prior to travel.

The following are steps and guidelines for tearing down your restroom trailer. Some revisions to fit your preferences may be necessary.

- Give the unit a complete walk-thru keeping an eye out for any large issues or damage that may require attention prior to and/or after transport.
- If no issues preventing transport are present, then turn off the water source to the unit.
- Relieve the water pressure to all faucets, toilets, and lock all cabinets and stall doors (if equipped).
- Disconnect the power cord and return it to the control room.

Stowing the “Inside” steps:

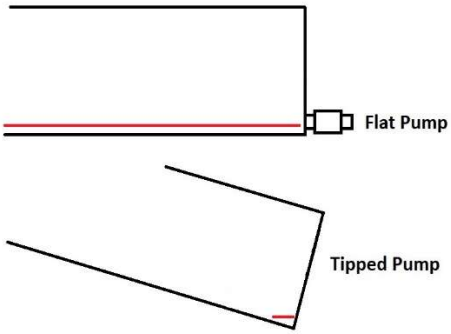
- Open the entry door and while gently leaning against the inside of the door, carefully raise the step assembly from the ground into the doorway. (some gentle manipulation of the step may be required to clear the door)
- Make sure the step clicks into place and the latch is set.
- Close and LOCK the entry door.
- Unlock the folding grab handles, fold in, and lock against the door.
- Check the door lock before moving to the next door.

Once all steps are stowed and doors are locked:

- Raise the front of the unit slightly with the tongue jack.
- Completely raise both scissor jacks to their travel position.
- Lower the front of the unit slightly.
- Swing the rear jacks up and chain the handles or remove and stow them for travel.
- Give the unit one final walk around making sure all entry doors are locked, grab rails are stowed, and the control room door is closed and latched.

Pumping the Waste Tank:

- At the end of every rental, the waste tank and the freshwater tank must be emptied prior to transporting the trailer. In most instances, the following steps are required to properly empty your trailer. Drain, tip and pump.
- DRAIN: if there is any water in the fresh tank, then open the drain valve to allow the water to drain from the tank.
- TIP: this refers to lowering the front of the trailer to allow the liquids an easier flow to the gate valve. Be sure to raise the front steps and stabilizer jacks. Once done, lower the nose of the trailer as low as the tongue jack will allow.
- PUMP: emptying the waste tank is accomplished by connecting the pump vacuum hose and evacuating the waste. Once the evacuation is complete, close the dump valve, remove the evacuation hose, and return the trailer to tow height.



Cleaning the Waste Tank:

- Although it is not necessary to flush the tank after every event, it is important to do it on a regular schedule and after any long-term rental or before any longer-term storage.
- After emptying the waste tank, leaving the nose down, and with the evacuation hose connected, the cleaning of the waste tank may begin. Washing down the waste tank can be done using a spray wand and the washout plug on the rear wall of the tank or by inserting a spray gun/angle wand down thru the toilet ball valve. If using the wash out plug, remove the plug, insert the wand and spray down the inside of the tank making sure to angle the wand in all directions while spraying. If using a spray gun/angle wand, carefully insert the gun/wand thru the toilet ball valve to the bottom of the tank. Begin spraying water in a circular motion to make sure all directions are sprayed. Repeat this process multiple times to move the remaining waste to the front of the tank for pumping. When finished, turn off the water supply, and remove the spray gun/angle wand. This process will help keep your tank clean and odor free.

Between Rentals (*non-freezing temps only):

- Once the tank is cleaned and emptied, fill the waste tank to no more than 10% capacity with water and add several deodorizer and biocide packets. This will help with odor and breaking down solids. An additional key to control lingering odors is adding a small amount of water to each toilet bowl. This will seal the odor from the waste tank and keep the seals from drying out. Some will also add a deodorizer to this water as well.
- *Please refer to the "Winterizing" section for storage below freezing temperatures.

Important Notes:

Fresh and waste tanks need to be empty for travel.

Water heaters should be drained for travel.

The steps need to be adjusted so the hinge plate does not incumber the operation of the door.

All entry doors have double bulb seals so some effort to compress the seals may be needed to lock and unlock them.

Soap dispensers should be emptied before long periods of rest, heat, or both.

Tools, Spare Parts and Useful Items:

There are several tools, spare parts and useful items that we recommend keeping with your trailer. There will come a time when you need to repair and/or maintenance your trailer. You will also run into awkward set-ups regardless of the prior planning. Therefore, we suggest the following items.

Tools:

Hammer, crescent wrenches, large channel lock pliers, Phillips and flathead screwdrivers, tire pressure gauge, 24" level, 50 to 100' extension cords, roll of duct tape and electrical tape.

Spare Parts:

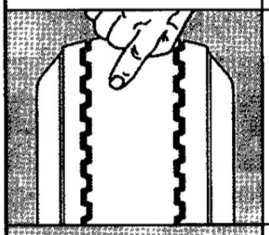
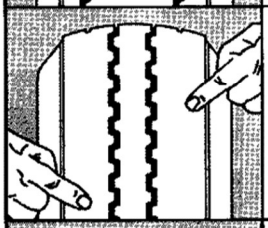
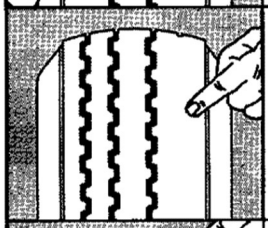
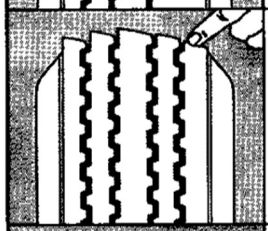
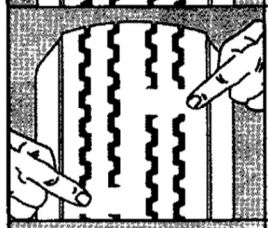
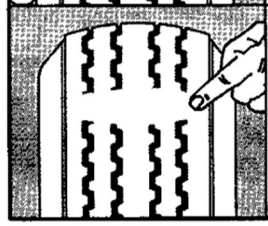
Water shut off valves, Replacement toilet parts (pedals, seals, gaskets, flush valves, spring assemblies). Faucets, faucet cartridges and aerators. Faucet grease to lubricate faucet cartridges. Shower heads (if applicable). Breakers and 12v fuses. Possibly a spare toilet and water pump.

Misc Items:

Cut lumber to put under tires (to help with leveling), tongue jack, stabilizer jacks and steps if needed. Wheel chocks and cleaning supplies.

Tire Inspection

⚠ WARNING ***When replacing tires consult wheel and tire manufacturers' specifications for compatibility. Improperly matched wheels and tires may fail and cause property damage, serious personal injury, or loss of life.***

	Condition	Possible Cause	Remedy
	Even Center Wear	Over Inflation	Check & Adjust Pressure When Cold
	Inside & Outside Wear	Under Inflation	Check & Adjust Pressure When Cold
	Smooth, Side Wear - One Side	Loss of Camber or Overloading	Check & Unload As Necessary Have Alignment Checked
	"Feathering" Across The Face	Axle Not Square To Frame or Incorrect Toe In	Square Axles Have Alignment Checked
	Cupping	Loose Bearings or Wheel Balance	Check Bearing Adjustment and Wheel & Tire Balance
	Flat Spots	Wheel Lockup	Adjust Brakes

Inspections:

To protect the significant investment, you have made in your restroom trailer, it is recommended to create a maintenance, quality check and performance inspection plan for the various stages your unit will go through. Checklists are very helpful in creating a consistent atmosphere for maintaining and inspecting your trailer. Inspections should be performed when the unit is delivered from the factory, prior to each rental delivery, after setup at customer location, after the event and before the return trip to the yard, periodically between rentals.

Inside inspection should include, but is not limited to:

- Leak checks
- Fixtures tight to the walls and floors
- Faucets, countertops, and cabinets are tight, not leaking and in good working order.
- Partitions (if equipped) are tight to the walls and in good working condition.
- Dispensers are working and full of products.
- Entry doors, deadbolts, door pulls, and hinges are all in good working condition.
- All lighting in proper working order.
- All walls, trim, and flooring are secure and in good condition.

Outside inspection should include, but is not limited to:

- Roof is in good condition, and all roof mounted items are properly sealed.
- Air conditioner secure and sealed.
- Trim secure and seal is good condition.
- Exterior doors locked prior to transport.
- Steps, platform, railings, and leveling jacks properly attached, clear of debris and in good working order.
- Leveling jacks, steps, and railings stowed prior to transport.
- Control room is in good condition. Electrical boxes, power cords, and all appliances are present, secure, and in good working order.
- Gate/pump valve is present and capped.
- DOT lighting (clearance lights, brake/tail/turn lights) is working properly.
- Tongue and coupler are in good condition and working properly. All bolts, safety pins, safety chains, and the breakaway kit are in place.
- Air pressure, brakes, bearings, and lug nuts on the tires checked.

The completed checklist should travel with the delivery driver to the rental site. The delivery/service vehicle should carry extra supplies, additional water hoses and power cords as well as a tool kit for any possible issues that may arise.

Routine Trailer Maintenance:

The following is a list of some checks you will need to do every trip and every 3 months or 3,000 miles.

Check these items:	How to check:	Every Trip	Every 3 months or 3000 miles
Tire pressure	Inflate all tires to the proper pressure	**X**	
Wheel lugs, nuts, & bolts	Tighten to proper torque specifications	**X**	
Coupler Ball & Latch	Check for unusual wear, sufficient lube, and lock mechanism function	**X**	
Safety chains and hitch ball	Check for unusual wear on chain links and hitch ball	**X**	
Brakes	Check operation and proper adjustment	**X**	
Breakaway battery and switch	Check the battery in the breakaway system regularly	**X**	
Doors and vents	Check doors, locks, and vents for proper function	**X**	
Gate Valve	Make sure waste tank gate valve is closed and cap is installed	**X**	
Lights	Replace spent bulbs and fix any broken lights	**X**	
Door Hinges	Lubricate w/ light oil		**X**
Aluminum Wheels	Only use gentle cleaning compounds for a long-lasting finish		**X**
Welds	Check welds for cracking and separations		**X**
Roof	Inspect and keep your roof free of snow build-up and loose debris. Re-seal as needed		**6-12 Months**

Exterior Maintenance:

The more effort put into the exterior maintenance of your OI Restroom trailer, the longer it will look better than your competitors and the longer it will last.

Wash – Wax – Polish:

Washing your unit is not only good for its appearance, but also for the longevity of the finish. Be sure to spend a little extra time spraying the entire exterior completely to remove the dirt and road debris that could scratch the exterior surfaces.

For the best results, choose a wax formulated for Gel Coated Fiberglass. These are normally found in the RV/Marine section. Pick a brand to your liking and follow the directions on the package. All fiberglass providers require waxing in their warranties.

Polish as needed.

Do not use abrasive or industrial cleaners as they can damage and/or remove the gel coat layer.

Inspect for rust:

Spend time inspecting the coated surfaces of your frame and jacks for any rust starts. If any discoloration appears, follow these simple steps to restore the frame. First, remove any loose rust. Second, convert the hardened rust (if present) with a rust reformer/convertor or at least a primer. Third, clean and tape off the area. Lastly, start painting.

Storage:

When your trailer is stored outside, always set it with the front higher than the rear. This will keep any leftover liquids or any water entering the waste tank via the vent stack from getting into the gate valve and causing any damage in freezing temperatures. This will also help keep snow and ice from forming and/or building up on the roof of your trailer. It is recommended to perform periodic inspections of your trailer(s) during storage.

Interior Maintenance:

The interior of your unit and the components will need maintenance. The toilets, faucets, urinals, etc. will need regular and periodic maintenance. Failure to maintenance your unit will shorten the lifespan of the components and can lead to leaks and improper functioning.

Proper interior care is essential to the longevity of your restroom trailer. Cleaning products need to be carefully chosen based on their recommended use. Do not use any harsh cleaning products and none containing bleach or ammonia. Never use a hose or pressure washer inside your trailer as this may cause unintended damage.

It is best to begin cleaning at the ceiling and work your way down. Using your multipurpose cleaner and a rag, spray the ceiling, walls, and partitions with a misting of cleaner and wipe down. Also be sure to clean the inside of the doors, the door pulls and the deadbolts.

Use a glass/multi-surface cleaner to clean the vanities, countertops, sinks, faucets, and mirrors. Important note to spray the cleaner on the rag and not let the cleaner seep behind the mirror when cleaning them.

Some like to clean the interior of the toilets and urinals using a wand style cleaner with disposable pads.

The following is from a toilet instruction manual:

For routine cleaning, use our Toilet Bowl Cleaner.
If the cleaner is not available, use most any non-abrasive
bathroom and toilet bowl cleaner. Please follow label instructions.

FLUSH BALL CLEANING: After a period of time, mineral
deposits from hard water may build up on the flush ball or
seal, resulting in a slow water leak. To prevent this, periodically
clean the flush ball and seal.
1. Remove minor debris from the flush ball and seal by slowly pressing and releasing the flush pedal several times. This will loosen and rinse debris from the surfaces. Repeat several times for stubborn buildup.
2. If step 1 does not fully clean the ball and seal, clean with a soft bristle brush and Our Toilet Bowl Cleaner. Turn off the water supply to toilet. Fully clean the top of the flush ball and under the seal where it contacts the flush ball.
3. After cleaning underside of seal, apply light downward pressure to top of seal while brushing around the full perimeter of seal.
4. Turn on the water supply. Press flush lever to open flush ball, and use brush and water to rinse away cleanser and loosened deposits.

Use a disinfectant spray and a rag to clean the toilet seats, and the outside of the toilet bowls and urinals. Make sure to clean the top of the seat and then the bottom, and to clean behind the toilet base shroud.

Clean the floors by first sweeping with a soft bristle broom and then a wet “mop” like a Swiffer WetJet or the like. Lastly, look around the trim at the floor and wall joint and wipe with a rag if necessary.

Faucet cartridges will need to be greased on a regular basis. Higher temperatures, extended use and/or storage can cause the cartridges to stick in the open position. Greasing the cartridge with faucet grease will alleviate this issue.

Shower Model:

If your trailer is a shower model, most features will be the same as those on a standard restroom trailer.

Roof Vents: The shower model includes roof vent/fans in each shower room. Each vent will have its own control panel available to the user in order to open/close the vent and operate the fan.

Set Up: (see page 6)

All set-up components of the shower trailer are the same as on a standard restroom trailer and should be viewed as such for general set up, operation and waste tank care.

Water Heater:

Shower combo units utilize a propane heated, continuous flow water heater, which is used to supply hot water to the sinks and showers. **Please read the owner's manual, for the water heater, to familiarize yourself with its operation BEFORE using it.** The thermostat for the water heater is in the control room, on the electrical panel board and is pre-set to a temperature of 104° F.

All water heaters are equipped with a condensate trap drain kit that requires regular maintenance for proper operation. You will find information regarding this part alongside all the other manuals provided.

Propane: (the propane cylinders are shipped from the factory empty)

The dual propane cylinders are connected to an auto changeover regulator which will automatically move from bottle to bottle when emptied. It is then advised that you remove the empty bottle immediately for refilling. DO NOT wait until the second bottle is depleted, as doing so will render the trailer unusable, with regards to having hot water available for use.

Operational:

Once the LP tanks are filled and the unit is fully set up. Your shower combo trailer is ready to provide warm showers. The shower valves are metered style and will only release water when the valve button is pushed.

Gray Water:

Behind the tank access door on the rear of the trailer, is a spigot and a large red handled valve. When the large valve is in the horizontal position, shower water will drain into the waste tank. If the large valve handle is in the vertical position, shower and sink water is diverted to the discharge. By connecting the discharge hose to this valve and extending it past the side of the trailer, shower water can be drained onto the ground. **Be certain that local laws allow this action before attempting this diversion.** Once the discharge hose is attached, open the spigot valve to its fully open position.

Winterizing:

The water heater in the unit needs to be drained and bypassed when the water system in the unit is winterized. The water system aside from the water heater can be winterized under the normal winterizing process.

Trailer Maintenance Record

Date	Service Performed	Miles

Reporting Safety Defects

If you believe that your vehicle has a safety defect that could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Optimus Industries LLC.

If NHTSA, receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in any individual problems between you, your dealer, or Optimus Industries, LLC.

To contact NHTSA, you may either call Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153), go to http://www.safercar.gov; or write to: Administrator NHTSA, 1200 New Jersey Avenue S.E. Washington, DC 20590

You can also obtain other information about motor safety from http://www.safercar.gov

Optimus Industries, LLC.

2824 Jami St. Elkhart, IN 46514

oirestrooms.com

Service & Tech Support 574.226.0691 ext. 2

service@oirestrooms.com

TWO YEAR LIMITED WARRANTY

Optimus Industries, LLC warrants to the original owner that your trailer will be free from **structural defects in materials and workmanship** for a period of 2 years except as herein limited from the original delivery date providing all conditions have been met. Upon Optimus Industries, LLC approval, the warranty obligation consists of and is limited to repairing and/or replacing any part, or parts which are defective under normal use during said 2-year period.

WARRANTY VALIDATION

A warranty registration form is included at the end of this statement. It must be completed and signed by Purchaser upon receipt and mailed/emailed direct to the factory within 21 days from the delivery date. This is a federal requirement and failure to fill out and return the registration card within the above period will automatically void the warranty.

HOW TO OBTAIN SERVICE

1. **All warranty requests must be presented to Optimus Industries, LLC and proper arrangements must be approved and made by the factory prior to any work taking place.**
2. All warranty repairs must be made at the Optimus Industries, LLC factory in Elkhart, IN. In some cases, and solely at Optimus Industries, LLC's discretion, an authorized Optimus Industries, LLC repair facility will be used.
3. This warranty will be voided by any repair or modification to the trailer by anyone other than Optimus Industries, LLC or a pre-authorized Optimus Industries, LLC repair facility.
4. Optimus Industries, LLC shall not be responsible for, or obligated to pay for, any work performed without its prior written approval. Optimus Industries, LLC shall not be required to pay labor charges exceeding amounts it deems reasonable, nor shall it be obligated to pay more for parts, materials, or services than the cost that would have been incurred had Optimus Industries, LLC supplied them directly.
5. Labor and parts charges for any approved warranty work are limited to the amount charged by Optimus Industries, LLC for such labor and/or parts.

EXPLICIT WARRANTY EXCLUSIONS ITEMS NOT COVERED BY LIMITED WARRANTY

1. All items covered by another warranty. Any claims on items covered by their manufacturer's warranty. All these claims must be presented to those manufacturers*.
2. Deterioration of paint and appearance due to use and exposure.
3. Tow Vehicle wear, wiring, improper ball size, improper latching, and hitch usage.
4. Trailers covered by this warranty are designed to be towed by a vehicle with up to one ton capacity.
5. At no time should a tow vehicle be used with a trailer that exceeds the tow vehicle manufacturer's specific limitations.
6. Damage caused by loose screws, nuts, lug nuts and bolts. It is the owner's responsibility to maintain proper tightness.

7. Damage or deterioration caused by salt, road grime, normal wear and tear, application of or exposure to corrosive chemicals, other corrosive materials or arising from an accident or improper cleaning. Optimus Industries, LLC reserves the right to test individual parts for exposure.
8. Damage caused by misuse, unreasonable use, overloading (including moving unit without emptying the fresh and waste tanks), negligence, alteration, or failure to provide necessary repairs and/or lack of reasonable and proper maintenance.
9. Optimus Industries, LLC will not pay for lost revenue, cost of cargo, rental of substitute equipment, towing charges, cost of service calls, cost related to delivering trailer to a dealer, service center or Optimus Industries, LLC for warranty repairs or cost of work done by others or inconvenience.
10. Optimus Industries, LLC will not warrant, be responsible for or held liable against any additional parts installed by others, changed parts, or aftermarket accessories installed after delivery.
11. Optimus Industries, LLC will not be responsible for any graphics, company logos, or any artwork that has been added to the interior or exterior of trailer.

ITEMS NOT WARRANTED BY OPTIMUS INDUSTRIES, LLC THAT ARE COVERED UNDER COMPONENT PARTS MANUFACTURER'S WARRANTY. MOST BOOKLETS INCLUDED IN OWNER'S PACKET:

- Accumulator Tank
- Air conditioner
- Axles
- Coupler
- Door Closer
- Faucets
- Frame – contact us
- Heaters
- Paper Towel Dispenser
- Power Center
- Jacks
- Steps
- Stereo – contact us
- Tank Monitor
- Toilets
- Tires
- Urinal
- Water Heater
- Water Pump
- Wheels

ANY EXPRESS WARRANTY NOT PROVIDED HEREIN, AND ANY REMEDY FOR BREACH OF CONTRACT FOR THIS PROVISION MIGHT ARISE BY IMPLICATION OR OPERATION OF LAW, IS HEREBY EXCLUDED AND DISCLAIMED. THE IMPLIED WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR ANY PARTICULAR PURPOSE ARE EXPRESSLY LIMITED TO A TERM OF ONE (1) YEAR. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. UNDER NO CIRCUMSTANCES SHALL OPTIMUS INDUSTRIES, LLC BE LIABLE TO PURCHASER OR ANY OTHER PERSON FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER ARISING OUT OF BREACH OF WARRANTY OR BREACH OF CONTRACT. SOME STATES DO NOT ALLOW THE EXCLUSION LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.

Optimus Industries, LLC neither assumes or authorizes any other person/entity to give any other warranty or to assume on its behalf any other obligation or liability. This warranty is nontransferable from the original owner.

WARRANTY REGISTRATION CERTIFICATE

Optimus Industries, LLC warrants to the original owner that your trailer will be free from defects in materials and workmanship for the period of two (2) years as described in the limited warranty. This limited warranty is valid from the date of the first retail purchase provided all stated conditions and exclusions are met and satisfied.

WARRANTY VALIDATION

This warranty registration certificate is included with the trailer paperwork. You must fill out and mail/email this certificate to Optimus Industries, LLC within twenty-one (21) days after taking delivery of the trailer. This purchaser record is required by federal law. Failure to complete and return this warranty registration will automatically void the warranty.

Today's Date:_____ **Date Delivered: _____**

Purchaser Name_____

Address:_____

City:_____ State:_____ ZIP:_____

Phone:_____ Email:_____

VIN:_____Model:_____

Owner Signature:_____

Send completed form to:

Optimus Industries, LLC

2824 Jami St.

Elkhart, IN 46514

info@oirestrooms.com

Retain a copy for your records