

The MiniJon™ Owner's Manual

What is a MiniJon

The MiniJon was designed and put into production specifically for pocket cruiser sailboats and trawlers where the installation requires that the toilet be mounted up against the side of a sloping hull.

Contents of this package

Your C-Head MiniJon will include the following items.

1. C-Head housing, includes body, toilet seat with lid
2. Bag frame bucket
3. Sealing lid
4. One gallon urine tank or EUD (External Urine Diverter)

How your MiniJon works

Understanding how your MiniJon works will help you with the installation. Your MiniJon toilet separates the liquid and solid waste at the time of use and collects the urine in an integrated tank and the solid waste in a plastic bag. You may opt to install the external urine diverter (EUD) which pipes the urine out of the toilet and into a larger external tank or drain field at the time of use.



Emptying your MiniJon

When the bag becomes full the bag frame bucket is lifted out of the toilet and placed in a second bag lined 5-gallon bucket and the contents are transferred by simply releasing the collection bag from the bucket frame and dropping it into the bag lined 5-gallon bucket. The double bag can be tied off and lifted out of the 5-gallon bucket and disposed



of, or the entire bucket is sealed with a lid and the contents are then transported to a composting site or disposed of in the trash. We recommend treating any waste being disposed of in the trash with ½ cup straight chlorine bleach and the disposable bucket should be capped off with a secure locking type lid.

Carrying your MiniJon

Carry your MiniJon by placing your one hand under the front edge and rest the back overhang in the crook of your forearm with your fingers under the housing lid lip.

Types of installation

The MiniJon is designed for weekend use and short cruises on pocket cruisers. There is a total usage of approximately 4-6 uses before it must be emptied. The MiniJon can be rock flushed. That is, it can be released from its anchor system, slid forward and then rocked back on the angled-back portion so that the waste falls to the back of the collection bag. By doing this, more room is made inside the bucket.



Use of the MiniJon in a Shower Stall

If you are installing your MiniJon inside a shower stall and it does not have the shower seal option installed, then it is best to keep it covered while you are showering. A fitted fabric cover is the best option but a plastic bag can be used also. This is to prevent water getting into the inside and into the solid waste bucket specifically. If you have the shower seal kit factory installed and you choose to leave it uncovered while showering, it should be wiped down after getting wet.

Suitable mediums

The best mediums to use are sawdust and fine shavings. Do not use straight pine pellets but rather break them down with a little water first so that they cover the waste completely. In the case of diarrhea, use the pine pellets first and then cover with sawdust or shavings. Sawdust, small animal bedding and horse stall fine pine bedding work well.



Store your medium in containers for use as needed. Nut jars like those shown above are very suitable and can be found at Walmart, Target and such stores.

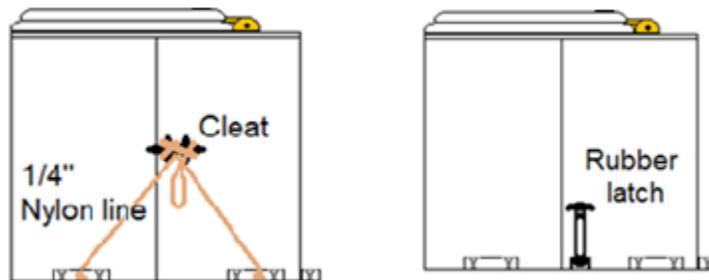
Anchoring Methods

You will need to install the MiniJon housing first. It may be easier to handle your MiniJon by removing the housing lid assembly before installing the housing. Do this by removing the three screws in the FRONT half of the two hinges (6 screws total) and

carefully removing the housing lid assembly. Set it aside being careful not to damage the urine diverting funnel. You will have determined beforehand where your MiniJon will fit in your boat, RV or camper. By law, it must be anchored when used in a boat to secure it against spills and becoming a dangerous missile due to heavy seas or collision.

The MiniJon should be secured from shifting laterally with either angle metal, plastic or wood brackets that surround the base of the housing and are attached to the floor. The unit is held down using a tie-down system to prevent it from lifting up and out of the bracketed area. The MiniJon comes with eight rubber non-skid feet that may suffice instead of using brackets. The installation will dictate whether or not brackets are needed. A tie-down will still be required. The rubber feet may be easily removed if needed by simply peeling them off the base.

Another method that has more of a nautical appeal would be cleat and line. Here a loop of line is attached to the cabin sole and fed through the hole in a cleat attached to the side of the housing (use a ½” back-up block inside) and then tied off with a figure eight. Both are quick and easy ways to detach the entire housing and support the idea of its “portability”. Portable toilets, constructed of rigid materials and designed to have the waste manually carried away, do not require certification by the USCG and are an acceptable waste management system by law enforcement on almost all bodies of water in the USA.



You can also bolt the toilet housing directly to the floor where feasible. Put a ¼” machine bolt in each of the four corners of the back half of the toilet. Remove the rubber pads on the bottom of the toilet so that you have two hard surfaces mating. Be sure that the bolts are close to the corners so as to not interfere with the collection containers. Use a fender washer with the bolt. Drill a pilot hole 3/16” in diameter and self tap the bolt into it. The length of the bolt should be the thickness of the material that makes up the floor plus ½” to account for the thickness of the bottom of the toilet housing. With fiberglass be sure to shave away the edge of the hole with a counter sink bit, just deep enough to remove the gelcoat only. This will prevent spider cracks when the bolt taps into the hole.

Using the MiniJon

As with any composting, moldering or desiccating head, separation of the liquid and solid waste is imperative. The MiniJon is designed to make body alignment as easy as possible. For best results, men should always use the toilet in the sitting position as opposed to standing. If you must stand, use a transmission funnel as a urinal directing the urine into the funnel in the toilet.

In the case of women, the first uses of the toilet may require special attention, but after a few uses, you should develop a feel for proper alignment and you will become more comfortable and confident as time passes.

Always sit upright on the toilet seat. Don't lean forward. The opening to the collection container is designed for this type of seating arrangement. If some solid waste is left on the sides of the opening, simply wipe it off with a small piece of toilet paper and discard the paper in the hole or a trash receptacle. Spray your favorite non-caustic household cleaner into the funnel and around the rim occasionally to keep odor away and to sanitize the surfaces.

Toilet paper can be discarded in the toilet but use as little as possible.

Put the sealing lid in place when you are done and close the toilet seat lid.

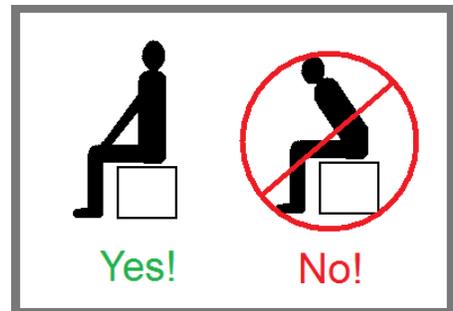
Now to address a couple of special and sensitive issues:

Vomiting – vomit overboard or in an empty 5-gallon bucket, not in the toilet.

Diarrhea – Diarrhea is a problem regardless of which waste management system you have. If you are using the MiniJon toilet system, the solution is relatively simple. Take a 13-gallon tall kitchen trash bag and open it with air and then use your arm to stuff the bag into the toilet through the opening on the top. Double bag if you are afraid of it leaking. Pull the mouth of the bag around the toilet seat as if it were a trash can and tuck it under the rim slightly.

Take a hand full of medium and drop it into the opening. After using the toilet, put the toilet paper inside the bag and add more medium to cover the waste inside. Replace the sealing lid and close the seat lid.

Continue to use the toilet in this method until the diarrhea has passed. You can urinate in the bag as well; however you may have to lift the edge of the bag to get the urine to flow out of the urine funnel and into the bag. Add enough medium to absorb the fluid. Remove and replace the bag daily or as needed.





When the illness passes, pour a half cup of chlorine bleach into the mix, seal and discard the contents in a sealed bucket as soon as possible. This preparation can be done before hand if you know you are sick and then you will not be caught off guard by urgency.

Wash your hands each time you handle the contents inside the housing.

Disposing of liquid waste

At an average normal rate of one to two quarts/liters a day, the one gallon container system on the MiniJon will have to be emptied daily or every other day for a crew of two persons. The urine tank is designed to easily transfer the urine to a gallon water jug or another larger container for storage, or taken ashore and disposed of, or in some cases, where legal, dumped directly overboard.

Using one-gallon containers allows the use of small spaces to store it in, until it can be properly disposed of. As long as it is capped and treated with CampaChem or some other deodorizer and not allowed to sit for long periods of time, odor will not be an issue and the older gallon jugs can be easily replaced with new empty water jugs.

The best system for urine odor control is to pour an ounce of Thetford CampaChem (formaldehyde free) down the funnel each time you empty the pee tank. This will totally eliminate any urine odor. Some people say that sugar does the same thing. Controlling the odor makes transferring the urine into a toilet less offensive to bystanders.

Unless you use it for gardening, urine should always be emptied out of the gallon jugs into a receptacle designed to accept human waste, if possible, such as a toilet or urinal. The jugs should be recapped before they are discarded, even if they are crushed. Using sanitary practices will insure the popular support for composting toilets as a safe and clean alternative to liquefying waste for disposal.

If your MiniJon is equipped with an EUD, read the EUD instructions carefully with respect to disposal of the urine.

Cleaning your MiniJon

Note that there is a dual-lock snap that connects the toilet seat to the housing lid. This snap will snap together whenever you sit on the toilet but you should try to remember to snap it closed every time you unsnap it (usually only for cleaning) for safety purposes. The snap prevents the housing lid from slamming down uncontrollably, should you try to lower it by holding only the toilet seat.

You may use any of several standard household cleaners and degreasers that are available on the market. The urine tank should be washed occasionally. The urine tank is all plastic except for a few stainless-steel fasteners. Do not use solvents or abrasives to clean the tank. Flush the tank with vinegar regularly to remove scale.

Wipe down the inside and outside of the MiniJon housing and toilet seat with a light solution of Clorox and water or use Lysol spray with bleach. **Never use solvents or abrasives!**

If a urine spill happens from overflowing, soak up the urine with a rag or sponge. Then clean the inside of the housing with a light mixture of Clorox and water or a household cleaner.

VENTILATION

Ventilation is not needed. If smell becomes an issue from too much liquid entering the solid waste container, empty the container and recharge it with a plastic bag and medium.

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