

TRAVEL TRAILER OPERATING MANUAL

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SECTION ONE: INFORMATION FOR VISITORS AND OCCUPANTS

Introduction

A Travel Trailer isn't as "solid" as a regular house due to the need to be lightweight. Please review this document to best enjoy and protect the Travel Trailer!

Getting In the Front Door

The front door lock tends to stick. Lean your shoulder into the door, pressing it inwards, and it may become a lot easier to pull the latch open. Be sure to extend the foot-step as its a bit of a step down when you leave if you don't! (Push it back in before traveling with the trailer, and LOCK THE DOOR).



The Screen door has a ratchet to keep it attached and opening with the door, but if it is closed, you simply press down on the handle to easily open it. The Screen door scrapes a bit on the door frame. **It is fragile** – be gentle with the screen door!



LIGHTING

The ceiling lighting has been replaced with low-power LED lighting. The fixtures have slide switches with three positions, OFF, ONE or TWO bulbs lit. Two fixtures are additionally controlled by a wall switch --- the entryway light that illuminates the area immediate after your entrance; and the bathroom light.



The lights are powered by the 12VDC system, and if the travel trailer isn't plugged into a 120VAC source, they are running off the storage battery.

TOILET

Recreational vehicles have a toilet that operates much like those in airplanes and busses (minus the suction!).

The water to flush comes from the 22 gallon fresh water tank, so there isn't a lot of it!

NEVER put paper towels, or feminine hygiene products into the



toilet --- whatever goes into there has to degrade and be discharged later and things that will clog up this system will cause a real problem.

The commode has a hand operated level at the 1 o'clock position near the top. Pulling this halfway causes flush-water to enter --- pulling it all the way causes the blade-gate to open and the contents to drop into the BLACK WATER TANK. If additional water is required, a cup of water may be doused as needed into the commode.

In order to relieve odors, normally a small water seal of about 1/4" of water is maintained above the blade seal after use.



ELECTRICITY, WATER, AND SYSTEMS

There are two electrical systems in the trailer – 120VAC, provided either by a hookup to a power source, or to a generator. This is always through the outside mounted power connection. Beware that the A/C draws about 14 Amps, and the remainder of the trailer can draw another amp or two --- so a heavy duty connection is required.

The power panel with AC breakers and DC fuses is located below the stove. The 12V converter is co-located.

The 120VAC operates the microwave, outlets in the trailer, and the “converter” which is a 12V battery charger/power supply that is automated and includes a fan to cool itself.

The 12 volt power system in the trailer powers all the lightning, and the water pump.

The battery is a Group 24 deep-discharge marine battery with roughly a 75 AHr rating.

The wall-mounted systems meter includes measurements for:

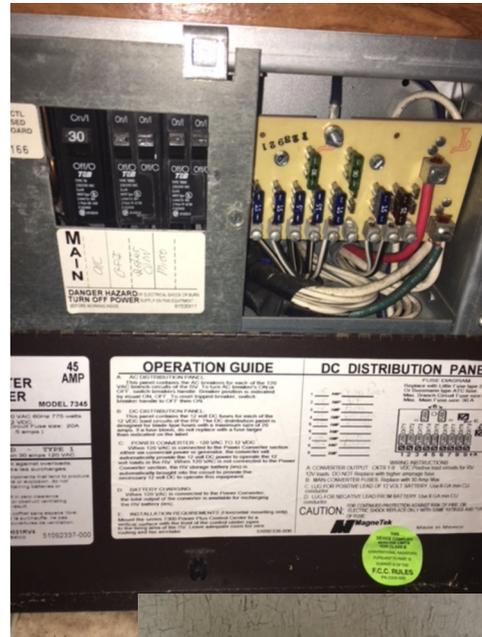
- battery level
- fresh water level (doesn't work at present)
- gray water waste tank level
- black water (toilet) wastetank level.

There is an on-off switch for the water pump. When activated, the pump operates to raise the water pressure to a pre-set level and then stops. It will automatically turn back on if needed.

BEWARE that the 22 Gal fresh water tank can **QUICKLY** be exhausted. It is located under the passenger side front cushion.

Chlorinating water: Adding 1/3 teaspoon of regular household bleach should bring a full tank of fresh water to approximately 1 ppm which is similar to city water chlorine (0.6-4 ppm).

Keep the propane tanks **OFF** unless in use. Only use one tank at a time so you know the other tank is full. There is a quick-connect propane connection (with a valve) at the rear



passenger side of the trailer.

HAM RADIO ADDITIONS

There are three coaxial SO-239 feed thru's, two at the front (passenger side) and one at the rear.



There are two 12vdc 30-Amp power pole connectors provided at the front passenger side. The total current is limited by a 30A fuse which is located near the battery in the propane/battery hood.

There is a 30 foot telescoping mast (MFJ). Operation of the mast is as follows:

If higher than about 15 feet, you must use three guy ropes from the highest collar. Screw the dog-leash screws into safe ground and attach paracord guy ropes.

To raise the telescoping mast:

- each section (6 feet) is designed to have AT LEAST 1 foot of overlap, so don't raise more than 5 feet/section.
- For stability, raise the thinner upper sections the LEAST and the lower, thicker sections the MOST to achieve the height you require.
- NOTHING HEAVY suspended from the top. YOU CAN BREAK THIS MAST, particularly if it isn't guyed to prevent bending.
- Cleats are provided to secure pulley ropes.
- Connect guy wires to the top white pvc collar (at a minimum).
- Run pulley ropes (1/8" paracord) through pulleys, but do not pull items up the mast yet.
- Extend mast to desired height with NO LOAD on it, using the lesser extension on the thinner sections, and more extension (still no more than 5 feet) on the thicker sections.
- Then secure the three guy wire ropes at approximately 45 degree angles from vertical, and at 120 degree equal spacing around the horizontal.
- Now with the mast guyed, carefully raise your antenna load using the rope through the pulley.



SECTION TWO: VITAL INFORMATION

MODEL	Forest River Hybrid Travel Trailer, Rockwood "Roo"
YEAR	2001
VIN	
GVWR (Gross Vehicle Weight Rating)	Unknown, but likely 4500 lbs or lower
GAWR (Gross Axle Weight Rating)	Unknown, but likely 4500 lbs or lower
Tires	4 Type: ST175/80 R13 HUB: 5 bolts Rating Each 1360 lbs @ <u>50 PSI</u> Load Range "C"
Unloaded vehicle Weight	Unknown but likely 3000-3500 lbs.
Tongue Weight Unloaded	Unknown but likely 400 lbs
Brakes	Electric, 7 pin round connector.
Shore Power 120VAC	NEMA L5-30 receptacle
Shore Extension	Converts to TT-30 male plug
AC Circuit Breakers	Airconditioner 30A GFCI 20A 12VDC PS 15A Microwave 15A Spare 15A
DC Fuses	Converter Fuses 30Ax 2 Ckt1 15A Ceiling / Porch lights Ckt2 15A Kitchen Ckt3 15A Bath Ckt4 15A Refrigerator/Furnace Ckt5 15A (UNREADABLE) Ckt6 unused Ckt7 15A (unreadable) Ckt8 7.5A Radio Ckt9 unused

SECTION THREE: MAINTENANCE

Sanitizing (Chlorine Shock) fresh water tank.

Add ¼ cup household bleach (6%) to 1 gallon water, pour into the fresh water tank, using a funnel. Repeat with a second ¼ cup household bleach (6%) to 1 gallon water. Fill tank with fresh water, run through all faucets until you smell chlorine (should be about 70 ppm) – let sit for 3+ hours. Pump all water out and refill the fresh water tank with normal city chlorinated water. REPEAT. It takes about 2 complete empties and refills to get the chlorine below 4 ppm.

Fortifying chlorination of water in tank

City water is supposed to be 0.6-4ppm chlorine. To raise a full 22gallon fresh water tank by 1ppm, add 1/3 teaspoon of household bleach.

WARNING LABELS

**DO NOT FLUSH FEMININE HYGIENE PRODUCTS
OR PAPER TOWELS THROUGH THIS TOILET.
PLACE IN TRASH CAN INSTEAD.
THANK YOU.**