

SNOWY MOUNTAIN *Campers*

HALF MOON MODELS



OWNER'S MANUAL

Thank you, and congratulations on purchasing your new Snowy Mountain Campers recreational vehicle. Our two main goals are to provide you with the perfect vehicle for your enjoyment and to make a product that will last as long as possible.

Of course, you're safety is our greatest concern. Please read and understand the content of this manual, and heed all warnings and precautions listed to assure your travels are filled with fond memories. Understand your new RV's capacities and capabilities.

You should also familiar yourself with the capacities and capabilities of your tow vehicle. That may mean consulting your tow vehicle owner's manual, specifically for their towing procedures.

Take a little time to get the feel of towing your new vehicle before you head off on that long trip. The difference between a leisurely trip and days of white knuckle driving could be as simple as a different drop in your ball mount. The time to find that out is prior to you're vacation departure. Most importantly, if you have any questions regarding the use or care of this Snowy Mountain Campers product, please contact us directly and we will do our best to advise you.

This recreational vehicle may contain equipment acquired from a third party manufacturer. If there was an owner's manual or warranty included with that product, this information can be found in the packet which contained this manual. You're Snowy Mountain Campers warranty does not cover components manufactured by a third party, so please familiarize yourself with those products by reading and following the instructions provided by that manufacturer. Also, fill out any registration cards provided for each component, and return them to their respective manufacturer.

This vehicle should last much longer than the standard construction RV, if it is properly maintained. This manual will cover routine maintenance and offer tips on sealing, cleaning, and getting the most out of your new Snowy Mountain recreational vehicle.



WARNING: Read all instructions in this manual, and all other documents supplied in your owner's packet along with instructions supplied by component manufacturers, before using your RV.

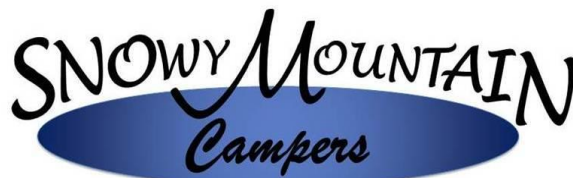
Your vehicle has been manufactured in accordance with all Federal Motor Vehicle Safety Standards and all State Regulations at the time of its manufacture.

One Year Limited Warranty

We pride ourselves in building the best products we possibly can. Each product is hand crafted by individuals who really care about their work and your enjoyment after the purchase. All of our products undergo numerous inspections and safety checks and still, we are not perfect. So we offer you a one year limited warranty on defective materials and labor. We will repair or replace, at our discretion, any defect in materials and workmanship for the period of one full year from the date of purchase. Sorry, this does not include abuse, normal wear and tear, or neglect.

We would also like to know how our products perform, so if anything, ever, goes bad, we would appreciate your comments and we may, at our discretion, be able to help with that also.

Please enjoy the product we built for you, and thank you for your patronage.



1102 Crowley Ave., Lewistown, MT 59457
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Esther Pegg 406-350-1428 * peggpen@yahoo.com

Please fill out the form below and mail it to us within 30 days of your purchase.

Customer Name: _____

Street Address: _____

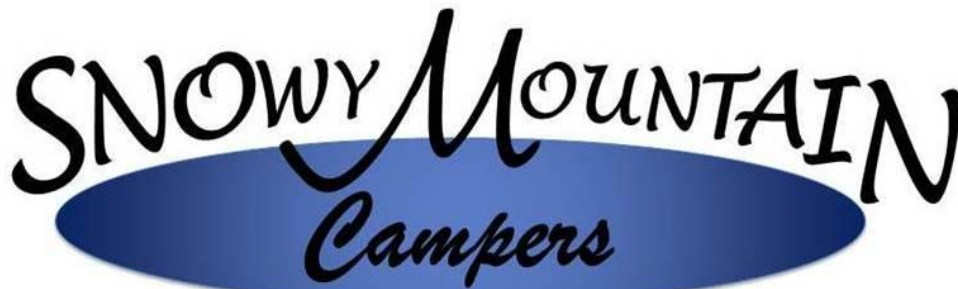
City: _____ **State** _____ **Zip Code:** _____

Model: _____ **VIN:** _____

Dealer Name: _____ **Dealer Address** _____

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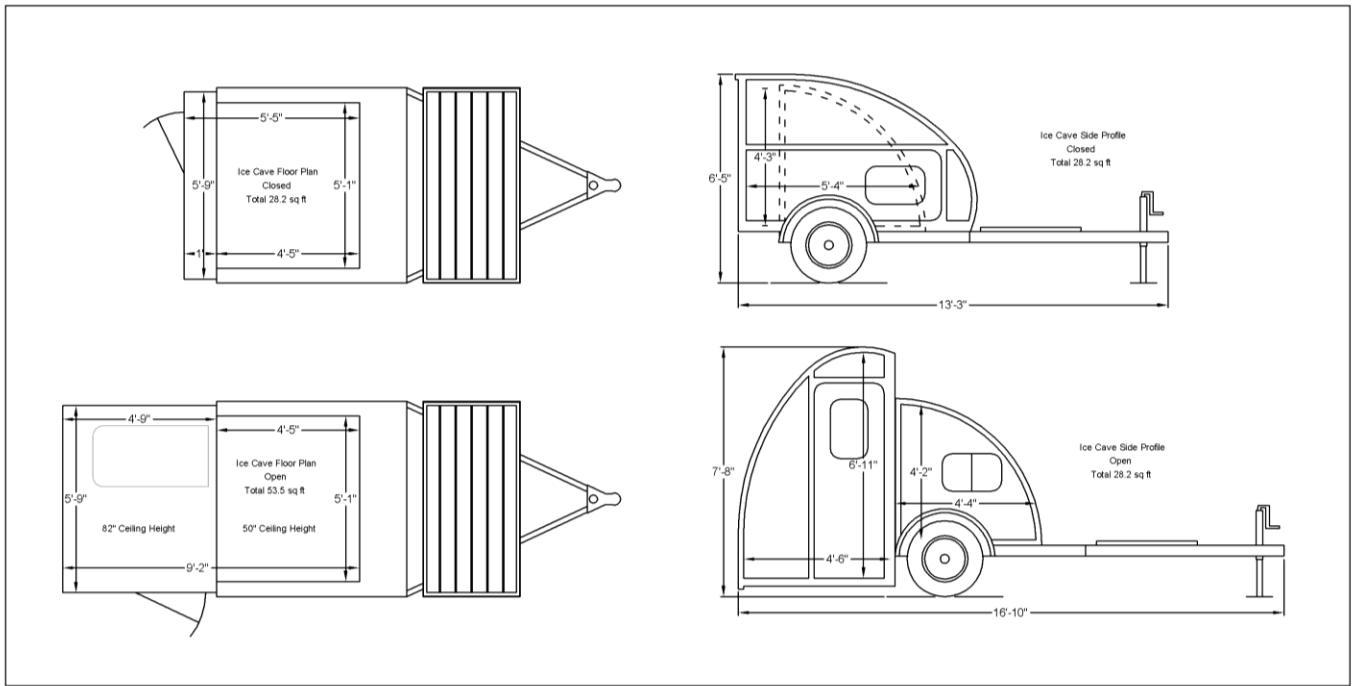


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SECTION 1. DIMENSIONS, WEIGHTS, AND CAPACITIES



Half Moon model floor plan.

The VIN Label for your trailer is located on the front left hand side of the trailer body. It lists the vehicle weights, tire, and axle ratings. The GVWR gives you the Gross Vehicle Weight Rating. If you subtract the vehicles shipping weight, from the GVWR, this will determine the amount of cargo you are permitted to carry.

MANUFACTURED BY: SNOWY MOUNTAIN CAMPERS

DATE: XX/XXXX

GVWR 1587 **KG(** 3500 **LB)**
GAWR ALL 1587 **KG(** 3500 **LB) PER AXLE WITH ST205/75/15 TIRE** 15X6 **RIM**
AT 350 **KPA(** 50 **PSI) COLD SINGLE**

THIS VEHICLE CONFORMS TO ALL APPLICABLE US FEDERAL MOTOR VEHICLE SAFETY STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.

VIN: 4S9XXXXXXXX464XXX

TYPE: TRAILER

MODEL: 72W BIVY

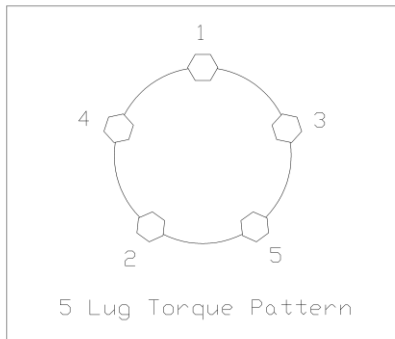
FD-304 REV A

Example VIN label with weights and capacities.

OTHER SPECIFICATIONS

Overall Length - Closed	13' 3"
Overall Length - Open	16' 10"
Total Height - Closed	6' 5"
Total Height - Open	7' 8"
Body Width	6' 0"
Overall Width	7' 8"
Axle Height	
Weight empty	650 lbs.

Battery Type
Battery Size



5 Lug Torqueing Sequence

TORQUE TABLE

Wheel Lugs	90-120 lbs.
Axle U Bolts	30-50 lbs.
Body Nut Inserts	145 in. lbs.

SECTION 2. COUPLING YOUR TOW VEHICLE AND RV



CAUTION: If your tow vehicle was not equipped with a trailer hitch, we suggest you have one installed by an automotive repair specialist. Many popular automotive models have receiver hitch mounting kits available that will aid in installation.

Our towed vehicles utilize a standard 2" ball unless equipped otherwise. In those instances, information will be included in your owner's pamphlet for special instructions.

When loading your trailer, NEVER exceed the weight limits of your RV or your tow vehicle. The weight distribution of your RV should be determined by the weight limits of your tow vehicle and RV. Information on your tow vehicle's limits can be found in your tow vehicle's owners manual and on certain placards on your vehicle. Information on your RV's limits can be found in this manual and on the RV Vehicle Identification Number tag on the left front side of your RV.

In general, one should have approximately 1/10th of the total loaded trailer weight on the hitch. The heaviest loads should be loaded as low as possible, directly over the axle.

With the proper weight distributed at the hitch, select a ball mount that levels the trailer frame from front to rear. This should give you the best towing properties.

Hitch Latch Opened

Hitch Latch Closed And Locked.

Always be sure to latch the trailer tongue hitch. It is best to get into the habit of locking the hitch latch. Your trailer has a light tongue weight. It would be easy for someone to walk away with your trailer for personal gain or a personal joke! Locking it may keep it from walking away.

Correct Safety Chain Installation.

Safety chains that are SAE compliant to your trailer's gross trailer weight are included on your trailer. The proper method for installation is to cross the left trailer tongue chain and attach it to the right slot on the tow vehicle hitch. Attach the right trailer tongue chain to the left slot on the tow vehicle hitch. Be sure to leave enough slack in the chains that they will not bind during tight cornering or crossing dips or bumps. Do not allow the safety chains to drag on the ground.

Check for information about these products on the web before purchasing and read and follow the instructions supplied by the manufacturer before use.

SECTION 3. WIRING YOUR TOW VEHICLE TO YOUR RV



CAUTION: Wiring your tow vehicle to your RV must be done by an automotive wiring professional. We at SMC assume no liability to any damage to our product or the tow vehicle if the vehicle wiring is not installed properly. Neither do we assume any liability to damage to our product or the tow vehicle if the RV wiring has been altered from original.

Our products come standard with a six way round pin electrical connector. Your RV vehicle pigtail is wired consistent to industry standards pin placement as illustrated in diagram ___. There are many aftermarket products being offered to adapt this standard connector to other standard connectors, if your vehicle is already wired.

If your vehicle is not wired, we suggest you have this job professionally done. There are some popular automotive models that have “plug and play” wiring kits available that will aid in installation.

Diagram __-

You can find information about your vehicle’s wiring and products made for easy installation on the web. Please read and follow the instructions supplied by the manufacturer for use.

SECTION 4. TOWING YOUR RV



CAUTION: Be absolutely sure of your RV's weight capacities and the towing capacity of your vehicle. DO NOT EXCEED THESE LIMITS!

Before you pull out, and every time you use your trailer, you should inspect it using the following check list.

- Check and tighten the wheel lug nuts if necessary.
- Check and tighten the axle u-bolts if necessary.
- Check for correct tire pressure or excessive tire wear.
- Securely latch the coupler hitch.
- Make sure that the safety chains are secured.
- Check that the front jack is fully retracted.
- Connect the electrical cord and check all lights.
- Check that all doors, windows and vents are fully closed.
- Check for objects on under, or leaning against the unit.
- Make sure your auto's mirrors are adjusted.

Towing your RV should be a combination of not feeling like you are towing anything, while still being constantly aware that you ARE towing something. In some cases your vehicle is now twice as long as it was! Acceleration, cornering, backing up, and braking are all going to be effected.

Take a little time to get the feel of towing your new vehicle before you head off on that long trip. If you are unfamiliar with towing a trailer, practice maneuvering in a remote area free from obstructions, and onlookers. Try the acceleration and braking, take some light curves and a slow speed wobble.

Slowly stop in the tightest turning radius of your vehicle. Note your trailers location and the angle of the trailer compared to the tow vehicle. Also note where the trailer fenders are located. This is now the turning radius with your trailer. You MUST make sure you leave at least this amount of room on any inside corner or you could damage your trailer. This is also the point where, when backing a trailer, the trailer begins to "jackknife", meaning you cannot get the trailer to come back straight. Do this in both directions to familiarize yourself with your towing combination.

When you are sure no one is watching, you can attempt backing up. Really, a spotter is helpful. Don't be intimidated. Some people pick it up right away, others may take some practice. It is simply turning opposite of the way one would normally turn without a trailer. Some people suggest that to back up with a trailer you can use the same turning motions with your hand on the bottom of the steering wheel rather than the top. However you decide is best for you, take your

turns lighter than you would without a trailer, and be aware when you find yourself about to jackknife. To right yourself from this condition, all you must do is pull straight forward until you have enough room to correct the problem.

Next, take a short trip where you can slowly get your combination up to highway speed. Check for wobbles, bouncing, or swaying. If you feel any undesirable effects, check with your auto repair specialist or in our troubleshooting section.

The difference between a leisurely trip and days of white knuckle driving could be as simple as a different drop in your ball mount. The time to find that out is prior to your vacation departure. If you have any questions regarding the performance of your tow vehicle and this Snowy Mountain Campers product, please contact us directly and we will do our best to advise you.



CAUTION: DO NOT TOW ANYTHING BEHIND YOUR TRAILER. If your trailer is equipped with a receiver mount, it is for 100 pounds of cargo only.

SECTION 5. LOADING YOUR RV



DANGER: Always chock your tires when loading your RV. Serious injury or death can result if this trailer shifts suddenly.



DANGER: Always block the rear of your RV or maintain tongue weight as you load the rear of the trailer. Serious injury or death can result if this trailer shifts suddenly.

When loading your trailer, NEVER exceed the weight limits of your RV or your tow vehicle. The weight distribution of your RV will be determined by the weight limits of your tow vehicle and RV. Information on your tow vehicle's limits can be found in your tow vehicle's owners manual and on certain placards on your vehicle. Information on your RV's limits can be found in this manual and on the RV Vehicle Identification Number tag on the left front side of your RV.

Always check the tire pressure and check for tire wear before loading.

In general, one should have approximately 1/10th of the total loaded trailer weight on the hitch (100 pound tongue weight per every 1000 pounds total trailer weight). NEVER EXCEED THE WEIGHT LIMITS OF YOUR TOW VEHICLE OR HITCH.

The heaviest loads should be loaded as low as possible, directly over the axle. Always maintain even weight distribution from side to side. SECURE YOUR LOAD to keep from shifting, possibly damaging your trailer or its contents.

Everything you attach to the outer structure will add weight and will result in a heavier lift to get from the closed position to opened and back. We do not suggest a roof rack or cargo carrier of any sort be placed on this structure.

DO NOT CARRY CARGO OR ATTACH A CARGO RACK DIRECTLY ON THE ROOF.

SECTION 7. YOUR RV'S FEATURES AND OPTIONS



CAUTION: Do not tamper with your unit wiring.

Your vehicle may come with any of the following optional equipment acquired from a third party manufacturer. If there was an owner's manual or warranty included with that product, this information can be found in the packet which contained this manual. You're Snowy Mountain Campers warranty does not cover components manufactured by a third party, so please familiarize yourself with those products by reading and following the instructions provided by that manufacturer. Also, fill out any registration cards provided for each component, and return them to their respective manufacturer.

A word on "ghost loads". Ghost loads is a term used for energy being drawn from your battery that you are not aware of. Many electric devices constantly draw loads for lighting or memory, and as a result will drain a battery when it seems nothing is on. We strive to use only products that do not have these features; however they have become almost unavoidable.

We urge you to disconnect the battery or to use a battery maintainer while stored to prolong the life of your battery.

12 VOLT POWER PORT: Your vehicle is equipped with two 12 volt charging ports and two 12 USB ports. This is a heavy duty 15 amp capacity unit with two 12 volt cigarette lighter ports. These can be used with many standard 12 volt accessories such as lighting and small 110 volt power inverters. DO NOT USE THIS POWER SUPPLY FOR A CIGARETTE LIGHTER. This item contains two small LED lights which are on all of the time and will drain your battery. Manufacturer's instructions are included in your owner's packet. This item has been altered by us, for use in your RV. Our 1 year warranty will cover replacement if it is faulty.

115 VOLT POWER PORT: This 115 volt power port is rated for 13 amps maximum. This is a convenient, water proof pass-through for your 110-115 volt power needs. Manufacturer's instructions are included in your owner's packet.

12 VOLT POWER VENT FAN: Manufacturer's instructions are included in your owner's packet.

12 VOLT, 35ah BATTERY: Your RV comes with a 12 volt 35ah power scooter style battery. They are a no- mess, trouble free battery that will supply sufficient power for your basic needs. You will find a 20 amp inline fuse for over current protection inside the battery box. We suggest you pull the fuse when your vehicle is stored to keep from draining your battery.

SECTION 8. GETTING THE MOST OUT OF YOUR RV

The advantage you have with your new Half Moon recreational vehicle is its ease of towing. Since it is a hard sided unit, it is also permitted where tent models are prohibited. We purpose built this model so you could access places that a standard RV will not go and do things that a standard RV could not do. Your RV has been built to withstand much more than a standard RV and it should last much longer than a conventionally built RV. There are however, things that you must do to prevent damage to the structure and to keep you and others safe when using it.

Park your tow vehicle and RV on firm, level ground, at a site where you have adequate room around it to enjoy your site. It is always best to position your caravan so you can pull your tow vehicle out if it is needed. Be sure to set the park brake on your towing vehicle to block from movement. Lower the tongue jack until contacting firm ground or blocking. Chock both sides of all the trailer tires from rolling.



Our weight limits are such that it can be loaded for moving if need be. However you choose to use your new RV, BE SAFE AND STAY WITHIN POSTED CAPACITIES.

Be mindful of the terrain you are traveling, but take it where you want to go! And remember, Take only Memories, Leave only Footprints.

SECTION 9. MAINTAINING AND STORING YOUR RV

CONDENSATION:

Condensation is natural and can occur whenever the humidity is high. Breathing, cooking, or burning certain fuels can add to high levels of humidity that will condense on the windows and framing. This condensation should be kept at a minimum with proper ventilation or a small dehumidifier available from many RV or marine dealers.

INTERIOR CLEANING AND CARE:

Heat and rot are the two biggest concerns for the interior and paneling. Checking the interior on a regular basis is a must. Try to keep ventilated when extremely warm. Make sure you keep moisture out.

Installing curtains is something you may want to do or have us install for you. This will help keep the interior cool and offer some relief from fading.

The paneling in your RV has been adequately sealed with a polyurethane finish and can be cleaned with water and mild detergent. A soft pencil eraser or "magic eraser" will often remove discoloring associated with a light scratch.

Do not alter the interior without consulting us or our representatives or you may void the manufacturer's warranty.

Stay away from harsh chemicals and solvents if possible. Be cautious of corrosive, polishing or buffing agents. If you must use any questionable substance for cleaning, try it in an inconspicuous place first.

ALUMINUM CARE AND CLEANING:

Many dust suppressants, salts, and de-icing solutions are corrosive to aluminum. Also, Aluminum will naturally tarnish over time. We suggest that you routinely wash the exterior prior to and immediately after your trip. This is also one of the best ways to keep noxious weeds in check and is a good practice.

Use a chamois immediately after washing to eliminate hard water deposits and water spots. Use light pressure, and be sure to rinse your chamois often to keep it free of debris. If dirt becomes imbedded in your cloth, it can leave light scratches in your aluminum. Shark Hide is a product used to protect aluminum boats and seems to work well on our exoskeletons and panels. Check for information about this product on the web before purchasing and read and follow the instructions supplied by the manufacturer before use.

Stay away from harsh chemicals and solvents if possible. Be cautious of corrosive, polishing or buffing agents. If you must use any questionable substance for cleaning, try it in an inconspicuous place first.

STORING YOUR RV:

A soft RV cover or custom boat cover works well to protect your investment. Some universal car covers will work, be sure to check the size before ordering.

“Ghost load” is a term used for energy being drawn from your battery that you are not aware of. Many electric devices constantly draw loads for lighting or memory, and as a result will drain a battery when it seems nothing is on. We strive to use only products that do not have these features; however they have become almost unavoidable. We urge you to disconnect the battery, or to use a battery maintainer, while stored to prolong the life of your battery. You should have your battery checked annually and replace when worn.

You should try to protect your tires from UV rays while stored. If you are somehow able to wear a set of tires out on your RV before the sidewalls check, you are one probably one happy camper!

CHASSIS:

A chassis inspection should be performed by a qualified automotive or RV professional annually prior to being readied for travel. The coupler, safety chains and attaching components, Axle and spring hardware, and axle/wheel bearings should all be examined or serviced.

SECTION 10. TROUBLESHOOTING

HANDLING

If you find that the combination of tow vehicle and trailer doesn't handle or track well, check some of these things;

Check for proper tire inflation on the trailer and tow vehicle. Tire pressures for the trailer can be found in Section 1 of this manual.

Make sure that your trailer frame sits level from front to rear when coupled as explained in Section 2.

Refer to Section 5 for loading techniques. You may try adjusting your load forward or back slightly.

The difference between a leisurely trip and days of white knuckle driving could be as simple as a different drop in your ball mount. The time to find that out is prior to your vacation departure. Most importantly, if you have any questions regarding the use or care of this Snowy Mountain Campers product, please contact us directly and we will do our best to advise you.

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