

*Where Tradition and
Innovation Meet*



Mini-Motorhome
Owner's Manual

Cunningham Campers, Inc.

5201 Highway 62
Jeffersonville, IN 47130

1-812-284-0276 Option 3



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Cunningham's – Selling & Servicing Jayco RV's for OVER 38 Years!

This manual has been provided by Jayco, Inc. for the sole purpose of providing instructions concerning the operation and maintenance of this vehicle and its components. Nothing in this manual creates any warranty, either expressed or implied. The only warranty offered by Jayco, Inc. is as set forth in the limited warranty applicable to this vehicle.

The owner's failure to provide required service and/or maintenance could result in the loss of warranty. The owner should review Jayco's limited warranty and the limited warranties of all other manufacturers offering them that are applicable to this vehicle.

Instructions are included in the manual for operating various components which are optional on some vehicles. In addition, the owner should refer to individual manufacturer's operating instructions contained in the owner's packet.

WARNING: READ YOUR OWNER'S MANUAL AND ALL SAFETY INSTRUCTIONS AND WARNINGS BEFORE USING OR OPERATING YOUR VEHICLE, TO REDUCE THE RISK OF PERSONAL INJURY OR PROPERTY DAMAGE.

YOUR NEW JAYCO IS YOUR PASSPORT TO A WHOLE WORLD OF NEW FRIENDS,
CAMPING FUN AND TRAVEL ADVENTURE WHEN YOU JOIN THE THOUSANDS OF
JAYCO FAMILIES WHO MAKE UP THE . . .

JAYCO JAFARI INTERNATIONAL TRAVEL CLUB

You will find us enjoying the friendship and fellowship of JAFARI CAMPING as we join our
local area FLIGHTS at hundreds of weekend camp-outs all over North America each month . . .

WE'RE THE FAMILIES OF JAYCO!

There are special STATE, REGIONAL and INTERNATIONAL RALLIES where you can join
with your fellow JAFARIANS and their flights to enjoy a special kind of togetherness . . . fun,
games, and entertainment provide memories to last a lifetime.

And . . . how about the exotic surroundings of NEW ORLEANS, the sounds and color of
NASHVILLE and the GRAND OLE OPRY, the roar and rush of the INDIANAPOLIS 500, the
quiet surroundings of the CANADIAN ROCKIES, the color of the SMOKY MOUNTAINS in
the Fall. These and many other adventures can be yours when you join the. . .

JAYCO JAFARI INTERNATIONAL TRAVEL CLUB

Fill in the blanks on the reverse side, cut along dotted line and mail along with a check to:

JAYCO JAFARI INT'L TRAVEL CLUB

ATTN: Membership Coordinator

P.O. Box 192

Osceola, IN 46561-0192

Yes, it's for everyone with a JAYCO RV; young couples just starting out, families spending quality time together, the young at heart expanding their life experiences. Whether you belong to another camping club, have always traveled alone, or are just starting, don't miss out on one of the most priceless benefits of being an RV family . . . meet new friends and spend a bit of your camping life with some of the finest people you will ever have the opportunity to share a campfire or treasure a moment of golden living with a . . . FIFTH-WHEEL TRAVEL TRAILER. . .SPORT UTILITY TRAILER . . . CONVENTIONAL TRAVEL TRAILER . . . TYPE C MOTORHOME . . . FOLDING CAMPING TRAILER . . . it doesn't matter. If you are a JAYCO RV FAMILY, then you are eligible to become a Jayco Jafari Member.

YOU WILL NEVER BE SORRY YOU MADE THE DECISION!

Your membership entitles you to:

- Special international decals for your unit.
- The Hitch newsletter with schedules of upcoming events and activities.
- A membership roster - containing the names and addresses of current members of the club will be sent bi-yearly.
- Discount Cards for several national theme parks including Six Flags and Busch Corp. Parks.
- A special price is available on Wheeler's Campground Guides.
- Discounts with Hertz Rental Car.
- Discounts with Coach Net, an emergency roadside service.
- Farm & City Insurance has RV insurance available at discounted rates to current Jayco Jafari International Club members.
- All of this, plus the joy of meeting new friends and enjoy Jafari adventures around the country.

Start with the first phase of your camping life...just complete the following application and forward it to the Jayco Jafari International Travel Club office. Your membership application may also be completed online, by visiting our website at www.jaycorvclub.com. If you have further questions. contact the club office direct at the website or by calling 800-262-5178. Local calls can be made to 574-258-0571.



WELCOME TO THE JAFARI FAMILY!



TO: Membership Coordinator for the Jayco Jafari International Travel Club

Please enroll us as members in the Jayco Travel Club. We are ready to roll to where the "friends we just haven't met yet" have the coffee on the fire and are waiting for us to arrive: We are ...

Name: _____ Spouse: _____

Address: _____ Phone: _____

City: _____ State: _____ Zip: _____

Email: _____

Ages of Children at Home: _____

Our JAYCO is a: _____ Our Dealer _____
(type & size)

Membership Dues:

One year \$25.00
Two years: \$45.00
Three years: \$65.00

Amount enclosed. \$ _____

Check #: _____

(signature)

(date)

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CHAPTER 1

INTRODUCTION TO RV OWNERSHIP

WELCOME

Thank you for purchasing your Jayco Recreation Vehicle and welcome to the world of recreation vehicle travel. Your purchase of a Jayco RV allows you to enter this unique world of camping and leisure in a grand style. **Your Jayco RV has been designed and engineered to offer you many comforts of home that will make your camping experience as enjoyable as possible. Jayco recreation vehicles are designed, constructed and intended to be used as temporary living quarters for recreational, camping and travel uses, all as defined in the bylaws of the Recreation Vehicle Industry Association. Our recreation vehicles are not intended for the hauling of cargo.**

This owner's manual was prepared to assist you in understanding the proper use and operation of various containment systems, servicing and maintenance of component parts, and explanation of your warranty protection. If you are a newcomer to RV travel, you will especially appreciate the suggestions and "shop talk" information to be found throughout this manual to help you obtain the most pleasure from the use of your vehicle.

The information in this manual reflects the most current available to us at the time of publication. If you find the components in your recreation vehicle vary significantly from what is described in this manual, please disregard that section and follow the instructions provided by that particular component manufacturer. You should carefully read and understand this owner's manual which is a supplement to various other instructions supplied by the manufacturers of separately warranted products.

Keep this owner's manual in your recreation vehicle for handy reference. Get to know your new vehicle and how it operates. You should carefully read and understand these instructions and information supplied by manufacturers of separately warranted products, since they contain important operating, safety, and maintenance instructions. If you have questions that are not adequately answered by this manual or other booklets, consult your dealer. If he cannot satisfactorily answer your questions, he will call our staff or refer you to us for help.

Every effort has been made to provide you with a safe, dependable product. Your vehicle complies with applicable requirements of Federal Motor Vehicle Safety Standards, State Regulations, Canadian Standards Associations (CSA) where applicable, and complies with requirements of ANSI Standard A119.2, the nationally recognized "Standard For Recreation Vehicles – Installation of Plumbing, Heating and Electrical Systems." The Recreation Vehicle Industry Association (RVIA) and Canadian Standards Association (CSA) periodically inspect our production line and assist us in maintaining strict compliance with installation and safety standards for those systems. **Your follow-up with periodic safety inspections and a program of preventive maintenance is important for the continuation of safe and trouble-free operation.**

Camping is a great way to relax and enjoy the outdoors with your friends and family. Please remember to tread lightly on our beautiful land and leave only your footprints so that others may enjoy nature as much as you did.

The Jayco Family
Jayco, Inc.

SAFETY CONSIDERATIONS

The terms NOTE, CAUTION and WARNING have specific meanings in this manual.

A **NOTE** provides additional information to make a step or procedure easier or clearer. Disregarding a NOTE could cause inconvenience, but would not be likely to cause damage or personal injury.

A **CAUTION** emphasizes areas where equipment damage could result. Disregarding a CAUTION could cause permanent mechanical damage. However, personal injury is unlikely.

A **WARNING** emphasizes areas where personal injury or even death could result from failure to follow instructions properly. Mechanical damage may also occur.

Reporting Safety Defects

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

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 individual problems between you, your dealer or Jayco, Inc.

NHTSA
U.S. Department of Transportation
Washington, D.C. 20590
Phone: 1-800-424-9393
Washington, D.C. Area: 368-0123

Customer Relations Dept.
Jayco Incorporated
P.O. Box 460, Middlebury, IN 46540
Phone: 1-877-825-4782 or 1-219-825-0608
Business Hours: 8:00-5:00 Mon.–Fri. E.S.T.

You can also obtain other information about motor vehicle safety from the Hotline.

Safety in Using LP Gas

You should check for leaks at the connections on the LP gas system soon after purchase and initial filling of LP tanks, and continued periodic checks of the system are recommended. Your vehicle was manufactured to provide you with full access to all gas line connections. Leaks can be found with a soapy water solution, which **does not contain ammonia or chlorine**, applied to the outside of the gas piping connections: the soap will bubble at the leak. **DO NOT USE FLAME OR LIGHTED MATCHES TO TEST FOR LEAKS.** Tightening connections will usually stop leaks. If not, ask an authorized dealer's service department to make the necessary tests and repairs.

ALTHOUGH THE MANUFACTURER AND DEALER HAVE PERFORMED TESTS FOR LEAKAGE, THIS CHECK IS RECOMMENDED DUE TO THE VIBRATION ENCOUNTERED DURING TRAVEL.

LP gas is heavier than air, therefore, leaking gas tends to flow to low places which will sometimes pocket in low areas, such as the floor. LP gas can usually be detected by an identifiable odor similar to onions or garlic. Never light a match or allow any open flame in the presence of leaking gas.

It is very important to have the LP gas turned off during refueling. Some states prohibit gas appliances to be operated during travel, especially in underground tunnels.

Never allow gas containers to be filled above the liquid capacity indicated on the container. If a container is overfilled, liquid gas may flow through the regulator causing it to freeze and/or introduce a dangerous excessive gas pressure into the lines. In addition, an overfilled container placed in hot sunlight may expel excess gas through the relief valve and be susceptible to ignition by any nearby open flame.

Electrical System Safety

Circuit breakers and fuses are installed to protect electrical circuits from overloading. Do not make unauthorized changes to circuitry or add on fixed appliances yourself. If you wish to make changes, consult your dealer and he will assist you in obtaining a safe installation.

An approved power supply cord has been supplied with the vehicle. Always use this cord for hookup to the 120-volt source. Note that the cord has a three pin plug, which provides proper grounding through the third (round) pin. Grounding is your personal protection from electrical shock.

WARNING: Do not use an adapter, cheater, or extension cord that will break the continuity of the grounding circuit connected to the third pin. NEVER remove the grounding pin to connect a non-grounded, two-prong receptacle. Any deviation from this will potentially cause a fire from overheating.

Safety When Emergency Stopping

Pull off the roadway as far as possible for emergency situations and turn on the vehicular hazard warning flashers. If necessary, display your road flags and/or reflective triangular highway warning devices.

NOTE: Always carry road flags and/or reflective triangular highway warning devices to be displayed when necessary.

Additional Safety Considerations

WARNING: For traveling safety, it is important to make sure the tie down straps are secured on all appliances such as the television, coffee maker, etc. Vibration caused during travel will move the appliances creating the potential for them to fall out of their cabinets possibly causing injury.

- Sanitize the fresh water supply system periodically (see sanitizing instructions).
- Prevent water connection fittings from coming in contact with the ground or drain hose to reduce chance of contamination.
- Enlist services of a qualified or certified RV technician to repair and maintain gas or electrical appliances.
- Always have a serviceable fire extinguisher placed in an easily accessible location.

- Carefully read the loading section under Chapter 3 related to your respective recreation vehicle.
- Ensure that tires are in good condition and properly inflated. Proper inflation should be monitored closely. Neglecting to do so could result in overheating of a tire, which could result in a blowout.
- Check and tighten wheel lugs regularly, according to your chassis owner manual recommendations.
- Check brakes in a safe area – not while traveling a busy highway.
- Observe the warning labels attached to your vehicle concerning LP gas, water, electricity and loading.
- Before leaving a camp area, ensure that the 120-volt electrical cord is properly stored.

INSURANCE

As with your automobile, it is important that you protect yourself and others with insurance coverages for personal liability, theft, collision, property damage, etc. Your dealer will assist you in obtaining appropriate insurance for your protection or you may check with the company which provides your automobile insurance.

EXTENDED USE

Your new mini-motorhome has been built for enjoyment in a recreational manner. It is not intended to be used as full-time living quarters.

CAUTION: Continuous living in your Jayco mini-motorhome could cause accelerated wear and damage to components.

COLD WEATHER USE

- Use of this vehicle during cold weather will require more protection. Using skirting or insulation below floor level will provide additional protection if you are camped in one area for an extended period.
- Proper care should be taken with the fresh water and drainage systems to avoid freezing problems. Consult your local dealer or RV supply house for advice on heat tapes, etc.
- Adequate gas and electrical supply is needed along with protection from possible freeze-ups on gas regulator. The furnace will substantially increase battery draw and LP use.
- During cool weather usage, ventilation or addition of a dehumidifier may be required to reduce condensation. **See next section for important information on controlling condensation.**

CONDENSATION

Condensation is a natural phenomenon. The amount of condensation will vary with the climate conditions, particularly the relative humidity. Condensation occurs because there is water vapor present in the air, which each of us adds by breathing, bathing and cooking. The water vapor collects where there is available air space, and when the temperature reaches the 'dew point' the water vapor in the air condenses and changes to liquid form. Most people have experienced a similar phenomenon when moisture forms on kitchen windows and bathroom mirrors during cool weather.

Proper ventilation and, if needed, the use of a dehumidifier will assist in controlling the condensation. Many RV and marine dealers carry small dehumidifiers especially sized for recreation use. Condensation causes dampness, mildew, staining and if allowed to continue at high levels, damage to the paneling and wood structures.

CHAPTER 2

OBTAINING SERVICE

WARRANTY REGISTRATION

Warranty Registration and Customer Delivery Form			<small>Jayco, Inc. P.O. Box 460 903 South Main Street Middletown, Indiana 46540 (219) 825-0608</small>		
<small>Dealer is to assure that this form is properly completed and returned to Jayco within ten (10) working days after delivery</small>					
OWNER'S NAME			DEALER'S NAME		
ADDRESS			ADDRESS		
CITY	STATE	ZIP CODE	CITY	STATE	ZIP CODE
DELIVERY DATE / /		PHONE NUMBER (DAYTIME)	ODOMETER READING (MUST BE COMPLETED FOR MOTOR HOMES)		
JAYCO SERIAL NUMBER			CHASSIS VIN (VEHICLE I.D. NUMBER)		
ALL ITEMS MUST BE MARKED OFF BY THE DEALER IN THE CUSTOMER'S PRESENCE INDICATING PERFORMANCE OR INSTRUCTION AS REQUIRED. PLEASE MARK EACH ITEM OK OR NA (NOT APPLICABLE).					
1. ELECTRICAL SYSTEM		4. WATER/PLUMBING SYSTEMS		6. RUNNING GEAR	
<input type="checkbox"/> 110-Volt System		<input type="checkbox"/> Water lines		<input type="checkbox"/> Brake Adjustment and Maintenance	
<input type="checkbox"/> 12-Volt System		<input type="checkbox"/> Faucet(s)		<input type="checkbox"/> Bearing Lubrication and Maintenance	
<input type="checkbox"/> All Interior Lights/Recepts		<input type="checkbox"/> Winterizing		<input type="checkbox"/> Brake Wire Connections	
<input type="checkbox"/> All Exterior Lights/Recepts		<input type="checkbox"/> Water Intake/Drain lines		<input type="checkbox"/> Hydraulic Brake Fluid and Maintenance	
<input type="checkbox"/> Battery - Full Charge and Maintenance		<input type="checkbox"/> Outside shower		<input type="checkbox"/> A-Frame/Coupler Operation	
<input type="checkbox"/> Converter Operation and Use		<input type="checkbox"/> Shower		<input type="checkbox"/> Operate and Lube Jacks	
<input type="checkbox"/> Monitor Panel and Maintenance		<input type="checkbox"/> Holding tank			
<input type="checkbox"/> Operation and Maintenance of Slideout		<input type="checkbox"/> Toilet			
<input type="checkbox"/> Phone and Cable TV					
<input type="checkbox"/> Roof Air					
<input type="checkbox"/> Radio/Cassette					
<input type="checkbox"/> TV					
<input type="checkbox"/> Microwave					
2. FOLDING CAMPER SET-UP		5. APPLIANCES AND SAFETY EQUIPMENT		7. GENERAL APPEARANCE	
<input type="checkbox"/> Complete Set Up and Closing Demonstration, Proper Leveling		<input type="checkbox"/> LP Gas Manometer Test (Check for leaks - Repair if needed and retest)		<input type="checkbox"/> Interior/Exterior Trim	
		<input type="checkbox"/> Set Gas Pressure At _____ IN. Water Column		<input type="checkbox"/> Exterior Finish	
		<input type="checkbox"/> Furnace and Thermostat Range and Oven		<input type="checkbox"/> Bumper, Steps, A-Frame, Rub Out and Touch Up as Needed	
		<input type="checkbox"/> Water Heater and Bypass		<input type="checkbox"/> Window and Roof Sealant	
		<input type="checkbox"/> Coffee Maker			
		<input type="checkbox"/> Refrigerator			
		<input type="checkbox"/> Break-away Switch			
		<input type="checkbox"/> Tires - Correct size and inflate to sidewall pressure specs		8. Motorized Products	
3. LP GAS SYSTEM		<input type="checkbox"/> Door Locks/Keys		<input type="checkbox"/> Check all Fluid Levels	
<input type="checkbox"/> Location and Maintenance of LP Lines and Connections		<input type="checkbox"/> Wheel Lugs (Tighten to specs for Ft. LB Torque)		<input type="checkbox"/> Check all Door and Window Locks	
<input type="checkbox"/> Maintenance and Operation of Regulator		<input type="checkbox"/> - Review Maintenance Tighten at 10, 25, 50 miles.		<input type="checkbox"/> Chassis Prep as Recommended by the Manufacturer	
<input type="checkbox"/> Appliance, Refrigerator and Furnace Vents					
DEALER INSTALLED OPTIONS (Dealer installed options are not covered under Jayco's limited warranties.)					
<hr/>					
OWNER/DEALER INSPECTION					
1. Exterior and interior finish.			5. Operate all fresh water and plumbing components including faucets, shower toilet and drain locations.		
2. Operate all appliances and discuss maintenance.			6. Review tow vehicle, hitch and sway control set-up - test drive.		
3. Review operation, maintenance and safety of LP system.			7. Complete review of owner manuals and highlight safety issues and maintenance.		
4. Explain weight ratings, limitations and proper load distribution.					
I HAVE COMPLETED THE ABOVE INSPECTION ON THIS FAMILY CAMPING VEHICLE AND HAVE TAKEN A TEST DRIVE AT THE TIME OF PURCHASE. I NOTED:					
<hr/>					
I RECEIVED A COPY OF THE JAYCO LIMITED WARRANTY BEFORE I PURCHASED THIS VEHICLE AND I UNDERSTAND THAT IT IS DESIGNED TO BE USED ONLY FOR RECREATIONAL CAMPING AND TRAVEL.					
I AGREE TO THE TERMS ON THE REVERSE SIDE, AND UNDERSTAND THAT I WILL BE REQUIRED TO ARBITRATE ALL MY CLAIMS CONCERNING MY RECREATIONAL VEHICLE RATHER THAN GOING TO COURT.					
THE PURCHASER HAS INSPECTED OR BEEN GIVEN THE OPPORTUNITY TO INSPECT THE VEHICLE AND TAKE THE TEST DRIVE, SUPPLIED THE INFORMATION ABOUT HIS/HER NAME AND ADDRESS, BEEN GIVEN THE OPPORTUNITY TO MAKE NOTATIONS IN THE SPACE PROVIDED AND OBSERVED OR RECEIVED SATISFACTORY EXPLANATIONS ABOUT ALL ITEMS LISTED ABOVE.					
DATE	PURCHASER'S SIGNATURE		DEALER'S SIGNATURE		
<hr/>	<hr/>		<hr/>		
White Copy: Jayco	Canary Copy: Dealer		Pink Copy: Customer		
01/31/00 Rev B			MJF		

INFORMAL DISPUTE RESOLUTION AGREEMENT

I am entitled to receive a copy of this Agreement, and I may review it with my attorney before signing. I and anyone making claims on my behalf, or through me, shall submit any and all claims I may have in connection with my recreational vehicle (RV) against any retail dealer, manufacturer, or supplier of component parts, to binding arbitration under the federal Arbitration Act, 9 U.S.C. § 1-14, to the extent permissible under federal law. I agree that if I have a claim relating to my RV, I will allow the dealer and Jayco to inspect it and make necessary repairs. If my claim is not then satisfied, I will notify Jayco and binding arbitration proceedings will be held after I have paid an initial fee of \$125 to the American Arbitration Association and I cannot pursue my claim in court or in any administrative proceeding. Arbitration will be administrated by the America Arbitration Association (AAA), pursuant to its Commercial Arbitration Rules, unless and until Jayco designates a different administrator, in which event a notice will be mailed to your last known address. If my claim is less than \$10,000, Jayco will pay the initiation fee and arbitrator's fees in excess of \$125, and the arbitrator shall not award damages in excess of \$10,000. If my claim exceeds that amount or is not specified, I will pay one-half of the fees and costs in excess of \$125. I, the dealer, and Jayco will each pay their own costs and expenses in connection with the arbitration hearing. The claim will be heard by a single arbitrator, and will be held thirty (30) days after the claim is filed, unless all parties agree to a later date. The arbitrator shall be selected from a panel named by the AAA, pursuant to its rules. The arbitrator shall be permitted only to award actual damages for financial loss, and shall not award damages for personal injury (or mental anguish, or other intangible claims), or punitive damages. Statutes of limitation, which would apply to a court proceeding for my claim, will apply to commencement of arbitration proceedings. If I default on any obligation to a lender in connection with my RV, my lender may exercise all of its rights without regard to this agreement. If I file a claim in court without having first complied with this agreement, I will be required to pay all fees, costs, and expenses, including attorneys' fees, for dismissal or referral to arbitration. This agreement will apply to me, my heirs and assigns, and anyone who purchases or leases my RV from me or operates or occupies it with my permission or without objection by me. Nothing in this agreement enlarges my rights or gives me any rights or claims I would not otherwise have. **FOR INFORMATION ABOUT HOW TO FILE A CLAIM OR ABOUT THE ARBITRATION PROGRAM, CALL JAYCO AT 219-825-0608, OR THE AMERICAN ARBITRATION ASSOCIATION AT 800-778-7879.**

SERVICE PROCEDURES

Basic Service Procedures

We are interested in your satisfaction. Only by having your complete confidence and satisfaction with our product and its service can we assure our continued success as manufacturers of recreation vehicles. We have found that continuing a pleasant and effective relationship through our dealers is equally as important as maintaining the technical excellence of our product. Your authorized dealer will cordially assist you in providing service maintenance, selection of options and instructions concerning the operation of your vehicle.

Should you have a problem with service, please follow these instructions in sequence.

1. Contact your selling dealer's service department for an appointment. Describe to the best of your knowledge the nature of the problem.
2. Contact the owner or General Manager of the dealership should the initial attempt fail with the service department.
3. If further assistance is needed contact:

Customer Relations Dept.
Jayco Incorporated
P.O. Box 460
Middlebury, IN 46540
Phone: 1-877-825-4782 or 1-219-825-0608
Business Hours: Monday – Friday 8:00 – 5:00 EST

Give all the above information as requested along with the serial number of the unit in question and we will make every attempt to resolve your problem.

Please bear in mind that most problems arise from misunderstandings concerning warranty coverage and service. In most instances, you will be referred to the dealer level and problems will be resolved with the dealer's facilities and personnel.

Dealer

Your authorized Jayco dealer has inspected and serviced your new Jayco RV. He is authorized to service and maintain your mini motorhome as needed. All warranty repairs are to be performed by the selling dealer unless Jayco gives prior approval.

Some RV dealers may be authorized service centers for certain manufacturers of products warranted separately. Check with your dealer before contacting others to reduce delays. If your Jayco dealer is not an authorized service center for the product in question, he can assist you in obtaining authorized service.

Factory

A factory service department is operated at our Middlebury, Indiana, manufacturing facility. Should your Jayco RV be in need of repairs and your dealer recommends that the factory make the necessary repairs, it may be returned to our plant upon following these procedures:

- A. You or your dealer must make an appointment prior to returning it to the factory service department.

- B. All transportation costs are the responsibility of the owner. You may need to arrange for alternative accommodations for some types of repairs. Please be prepared accordingly.

Parts

Parts are available at most Jayco dealerships or your dealer can order parts for you as needed. Should you be unable to find a dealer in your local area, contact our Customer Service Department at 1-877-825-4782 or 1-219-825-0608 and we will assist you in obtaining parts through an authorized dealer.

Owner's Responsibility

As a new owner of a Jayco recreation vehicle, you are responsible for regular and proper maintenance. This will help you prevent conditions arising from neglect that are not covered by your Jayco Limited Warranty.

Maintenance service should be performed in accordance with this owner's manual and any other applicable manuals.

As the owner, it is your responsibility and obligation to return the RV to an authorized dealer for repairs and service. Reference your Jayco Limited Warranty for additional information. Because the authorized dealer where you purchased your RV is responsible for its servicing before delivery, and has an interest in your continued satisfaction, we recommend that inspection, warranty and maintenance services be performed by the dealership.

If you are traveling and are unable to locate an authorized Jayco dealer, or an authorized dealer for the component needing service, please call our customer service office at 1-877-825-4782 or 1-219-825-0608 or contact your selling dealer for assistance.

NOTE: Service at a non-authorized Jayco dealer should have prior authorization. You will be asked to return any mechanical parts replaced before reimbursement consideration is made. Unauthorized or improper repairs may void the warranty on that component.

Please keep your owner's manual, your copy of your warranty registration form and any other related papers in your RV.

Chassis Service and Warranty Coverage

Ford and Chevrolet chassis are serviced and warranted by their own manufacturer. Chapter 4, *The Systems* will explain 12-volt electrical system responsibility, chassis or RV manufacturer.

Your dealer will fill out two very important warranty forms. First, the *Customer Delivery Form* as supplied for RV (Jayco) coverage. Second, the *Notification of Start Date* form is sent to chassis manufacturer upon completion. This form will activate the warranty coverage on your chassis by date and mileage. Please retain copies of both forms in your motorhome for any required warranty coverage as needed at home or during travel.

Certain components on your motorhome are built and supplied by the chassis manufacturer. Sample item is the battery(ies). When the battery(ies) are labeled as "MotorCraft" it's built and supplied by Ford Motor Co., and must be serviced and warranted by Ford Service personnel at Ford Truck agency. Contact Ford at 1-800-444-3311. Contact Chevrolet at 1-800-222-1020.

CHAPTER 3

OPERATING AND USING YOUR MINI-MOTORHOME

Your mini-motorhome has been designed and built to give you maximum comfort in a camping or recreational setting. Operating your motorhome may be a new experience for you. Use extra caution in turning corners, climbing hills, stopping and other traffic conditions until you become familiar and comfortable with its operation and handling.

WEIGHTS AND CARGO CAPACITY

Under the present standards it is very important to provide an owner of a mini-motorhome with the most accurate weight information available for safety reasons.

Located on the post of the driver's door is a "Federal Certification" label supplying a portion of this information.

MANUFACTURED BY : JAYCO, INC.		DATE : _____	
FABRIQUÉ PAR :			
INC. VEHICLE MFG. BY: / FORD MOTOR COMPANY			
VÉHICULE FABRIQUÉ PAR :			
GVWR/PNBV : KG.		V.I.N./N.I.V.	
_____		_____	
SIZE/DIMENSION		PRESS. / COLD INFL. PRESS. DE GONFL. À FROID	
GAWR/PNBE : KG.	TIRE/PNEU	RIMS/JANTE	PSI / LPC KPA
_____	FRONT/DEVANT	_____	_____
_____	INT./ CENTRAL	_____	_____
_____	REAR / ARRIÈRE	_____	_____
TYPE OF VEHICLE / TYPE DE VÉHICULE : MOTOR HOME/AUTOCARAVANE MULTIPORPOSE PASSENGER VEHICLE/VÉHICULE DE TOURISME À USAGES MULTIPLES			
THIS VEHICLE CONFORMS TO ALL APPLICABLE U. S. FEDERAL MOTOR VEHICLE SAFETY STANDARDS AND STANDARDS PRESCRIBED UNDER THE CANADIAN MOTOR VEHICLE SAFETY REGULATIONS EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.		CE VÉHICULE CONFORME À TOUTES LES NORMES QUI LUI SONT APPLICABLES EN VERTU DU RÉGLEMENT SUR LA SÉCURITÉ DES VÉHICULES AUTOMOBILE DU CANADA EN VIGUEUR À LA DATE SA FABRICATION CI-DESSUS.	

Inside the mini-motorhome, on the back of a cabinet door inside the kitchen base cupboard, is a form as shown on the next page giving you the weights of your mini-motorhome as required.

There are weight terms an owner needs to be aware of, understand and realize the importance when operating a mini-motorhome. These terms are described on the next page on the motorhome weight information sheet.

Another important weight term to be aware of is the GAWR, meaning the "Gross Axle Weight Rating." This equals the maximum weight which may be placed on an axle assembly. The listed weight of this rating is the weakest link of the axle assembly including tires, axle, springs, wheels or brakes.

In addition, the GVWR equals the maximum weight that should be on your chassis at any given time when traveling or camping.

CAUTION: We recommend weighing your mini-motorhome when it's completely loaded. Follow the GVWR guidelines. DO NOT exceed the GVWR. Refer to the weighing instructions on the following pages

WARNING: Your motorhome chassis braking system is rated for operation at GVWR – NOT GCWR. Separate functional brake systems should be used for safe control of towed vehicles weighing more than 1,500 Lbs. when loaded. If no GCWR is listed on the Jayco weight label, refer to your chassis owner manual or contact the chassis manufacturer for their rating.

WARNING: The actual weight of the unit, passengers, all options, liquids, the hitch weight of your towed vehicle and your personal cargo is important for you to know so you do not exceed the gross vehicle weight rating of the mini-home. The volume of space available for storage may exceed the amount of available cargo capacity. Large storage compartments have been designed to accommodate normal camping items, such as lawn chairs, portable grill, sporting goods (fishing poles, golf clubs), which are bulky, but not necessarily heavy. **DO NOT EXCEED YOUR GVWR** – This means you should weigh your unit as loaded for your normal travel to determine the actual weight. If you exceed the GVWR, you **MUST** remove items from the motorhome, or drain liquids, then re-weigh the vehicle to ensure you have achieved a safe weight. Never travel with full holding tanks. This not only wastes gas, but depending upon the location of the tank, can affect handling characteristics. Weight labels are posted inside a cabinet door inside all Jayco RV's so you can make a decision before you buy about how much cargo capacity is important for you personally.

WARNING: **DO NOT** overload your mini-motorhome. Overloading either the front axle, rear axle or behind the rear axle may result in adverse handling characteristics and damage to the chassis. Follow the GVWR when loading your vehicle for safety.

MOTOR HOME WEIGHT INFORMATION

Serial # _____

MODEL _____

GVWR (Gross Vehicle Weight Rating) is the maximum permissible weight of this fully loaded motorhome.

UVW (Unloaded Vehicle Weight) is the weight of this motor home as manufactured at the factory with fuel, engine oil, and coolants.

SCWR (Sleeping Capacity Weight Rating) is the manufacturer's designated number of sleeping positions multiplied by 154 Lbs. (70 kilograms).

CCC (Cargo Carrying Capacity) is equal to GVWR minus each of the following: UVW, full fresh (potable) water weight (including the water heater), full LP-gas weight, and SCWR.

GCWR (Gross Combination Weight Rating) means the value specified by the motor home manufacturer as the maximum allowable weight of this motor home with its towed trailer or towed vehicle.

The GCWR of this motorhome is Lbs. (kg.) with a maximum hitch weight of Lbs. (kg.)

CARGO CARRYING CAPACITY (CCC) COMPUTATION

Pounds / Kilograms (kg.)

GVWR

Minus UVW

Minus fresh water weight of ____ gallons @ 8.33 Lbs./gal ...

Minus LP-gas weight of ____ gallons @ 4.24 Lbs./gal

Minus SCWR of ____ persons @ 154 Lbs./person

CCC for this motor home*

*Dealer installed equipment and towed vehicle tongue weight will reduce the CCC.

CONSULT OWNER MANUAL(S) FOR SPECIFIC WEIGHING INSTRUCTIONS AND TOWING GUIDELINES.

HITCH – SEE CHAPTER 7 “OPTIONS”

LOADING CARGO

WARNING: For traveling safety, it is important to make sure the tie down straps are secured on all appliances such as the television, coffee maker, etc. Vibration caused during travel will move the appliances creating the potential for them to fall out of their cabinets possibly causing injury.

The loading of travel and camping equipment along with food and liquids requires careful consideration. Lightweight and bulky items such as paper products, bedding, and clothes should be stored in overhead cabinets. Heavy items such as cooking equipment should be placed in lower cabinets. Canned food should be in a pantry, if so equipped, or in lower cabinets. Heavy items should be secured to avoid shifting during travel. Keep heavy items in front of the rear axle as too much weight behind the axle can affect steering conditions.

Distributing weight throughout the motorhome will enable the mini-motorhome to handle and perform well during travel.

When you are finished loading the mini-motorhome, weigh the vehicle. See the next section for weighing instructions.

WARNING: Rear bumper on the frame of the mini-home is NOT designed to carry over 100 lb. of weight. Installation of items exceeding 100 lb. may cause metal fatigue and weld stress. Should such failures occur, it could damage your property and endanger vehicles following your mini-motorhome during travel, possibly causing an accident.

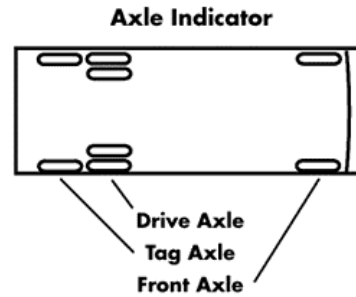
CAUTION: We recommend that you DO NOT travel with full holding tanks. Full holding tanks are not calculated into the cargo capacity of your mini-motorhome. The weight from full holding tanks will greatly diminish the cargo capacity and possibly cause you to exceed the gross vehicle weight rating. This can affect suspension components, reduce fuel economy, and create adverse handling characteristics. If you are dry camping and cannot immediately empty your tanks, reduce your speed until you reach a dumping station.

WEIGHING INSTRUCTIONS

Your recreation vehicle must be weighed fully loaded, that is, with passengers, food, clothing, fuel, water, propane, supplies, etc. Any towed vehicle (car/pickup, boat or trailer) or item loaded on brackets on the back of the recreation vehicle, such as bikes or motorcycles, should also be included in the weighing.

There are three types of scales:

1. **PLATFORM** - This scale is long enough to weigh the complete vehicle. The following steps are suggested:
 - a. Pull onto the scale so that only the front axle is on the platform (with the end of the scale midway between the front and rear axles), and record the scaled weight.
 - b. Pull forward until the full unit is on the scale, and record the scaled weight.
 - c. Pull forward so that only the rear axle is on the scale (again with the edge of the scale midway between the front and drive axles), and record the scaled weight.
 - d. If the recreation vehicle has a rear tag axle, pull forward so that only the tag axle remains on the scale, and record the scaled weight.



If there is no towed vehicle, this weight will represent the actual weight on the tag axle. To determine the actual load on the drive axle, subtract this value from the recorded weight in step 1c. If there is a towed vehicle, proceed to step 1e to obtain the “towed vehicle only” weight. Subtract that value from the value above and then subtract that from the weight recorded in step 1c.

- e. If a boat, trailer or other vehicle is being towed, it should be weighed and combined with the towing vehicle’s GVW to ensure the total weight does not exceed the GCWR.
2. **SEGMENTED PLATFORM** - Platform scales with segmented sections can provide individual axle weights and total vehicle weights simultaneously, when the vehicle is positioned properly.

Position the vehicle on the scales so that each axle is centered as much as possible on separate segments, and record the weight. Reposition the vehicle so that only one side is on the scale, again centered on the segment as much as possible. Subtract the weighed wheel positions from the total axle weights to determine the unweighed wheel positions’ weights.

3. **SINGLE AXLE** - This scale weighs one axle at a time. Drive your front axle onto the scale and stop long enough for the weight to be recorded. Pull vehicle forward until the rear axle is on the scale. To obtain the gross vehicle weight, add the two axle loads together. To obtain the individual wheel position weights, repeat this process with only one side of the recreation vehicle on the scale.

Note: Even though the weight of the total axle may be within the axle’s rating, it may be overloaded on one side. This causes one wheel position to be overloaded. Therefore, side-to-side weighing should also be done.

- a. To determine individual wheel position weights, it is necessary to repeat the previous three steps (1a, 1b, and 1c), but this time, use only one side of the scale.
 - b. To calculate the opposite side of the vehicle wheel position weight, subtract this side’s weights from the weights recorded in steps 1a, 1b, and 1c.

Your recreation vehicle must remain as level as possible on the scale (even though an axle or side is not physically on the scale). Obviously, to obtain the side-to-side weights, there must be enough space on either side of the scale to accommodate the recreation vehicle being partially off the scale.

If there is a difference in the weights on one side of the vehicle as compared to weights on the other side, components (tires, wheels, brakes, springs, etc.) on the heavier side could be overloaded, even though the total axle load is within the GAWR. It is important to redistribute the load to avoid component failure, as well as to improve the handling characteristics of the vehicle.

With these actual weights, it is now possible to compare them against the GAWR, GVWR and tire capacities. These weights are also what should be used to help determine the proper air pressure for the tires.

TIRES

The chassis manufacturer has equipped your mini-motorhome with name brand tires. Recommended air pressure (PSI) is stamped on each tire and can also be found on the Federal Certification Label. Always check air pressure and adjust accordingly while tires are cold. During travel, tires heat up and pressure increases. **DO NOT** release air pressure when tires are hot or your tires may then be under inflated.

Any service or warranty coverage on tires will be handled by the tire store representing the specific brand on your mini-motorhome.

WHEEL LUGS

Ensure that wheel lugs are tight as specified in the chassis manual. When your vehicle is new or a tire has been removed for any reason, re-torque the lug nuts at 10, 25 and 50 miles (15, 40 and 100 kilometers) and every 3,000 miles (5000 kilometers) thereafter.

FIRE EXTINGUISHER

A fire extinguisher is installed in each vehicle and is located near the entrance door in the mini-motorhome. Be familiar with its location and operating instructions as printed on the extinguisher. It's too late to become familiar with an extinguisher when an emergency is at hand.

The fire extinguisher is a dry chemical, non-refillable extinguisher. Do not test this extinguisher. Doing so will cause loss of pressure making the extinguisher unusable. The extinguisher must be discarded and replaced by a new one if any use has occurred.

SEAT BELTS

Three-point shoulder harnesses and lap belts are provided at the front driver and passenger seats by the chassis manufacturer. See the chassis manual for operating instructions.

For the recreation vehicle section, the dinette, sofa, and barrel chairs may have a two-point lap seat belts installed. To operate, slide the loose end of the seat belt into the buckle until it "clicks" in place. Adjust by pulling the loose strap end until it fits snugly on your upper lap. To release the seat belt, push the button on the buckle and pull apart.

Any seat NOT equipped with a seat belt is not intended for and MUST NOT be occupied when the vehicle is in motion. A seat NOT intended for occupancy when the vehicle is in motion will be conspicuously labeled.

NOTE: Pregnant women should consult a physician for seat belt use.

DRIVING

Driving a mini-motorhome is similar to an automobile. Become familiar with all controls and handling ability. Remember, a mini-motorhome sits higher on a larger chassis and the wheel base and RV house is longer which will require more space to turn and change lanes during travel. In addition, the mini-motorhome is heavier than a passenger car, thus a longer distance is required to pass another vehicle. Always use turn signals when changing lanes. More distance may be required to stop your mini-motorhome.

CARBON MONOXIDE DETECTOR

Carbon monoxide (CO) is an odorless, colorless, tasteless gas that is extremely dangerous to humans and animals. The following symptoms are indicative of individuals exposed to carbon monoxide:

Mild Exposure: Slight headache, nausea, vomiting, fatigue

Medium Exposure: Severe headache, drowsiness, confusion, fast heart rate

Extreme Exposure: Unconsciousness, convulsions, cardiorespiratory failure, death

A UL listed carbon monoxide detector has been installed in your motorhome. It is designed to detect toxic CO fumes. It is not a substitute for other combustible gas, fire or smoke alarms.

Procedures to Take During an Alarm

WARNING: The activation of the CO detector is a warning that indicates the presence of carbon monoxide!

WARNING: Do not disconnect the CO detector to silence the alarm. The detector is designed to sense when the level of CO in the air falls below the danger level. All individuals should remain outside the unit until the alarm is silent.

If someone is suffering from an upset stomach, headache or other symptom, immediately move to a location that has fresh air. Ensure that everyone is accounted for, including pets. Call the Fire Department. Do not reenter the unit until the source of carbon monoxide has been located and repaired by a qualified technician.

Warning: Low levels of CO have been linked to brain and vital organ damage to unborn infants with no effect on the mother. Pregnant women should leave the unit immediately if an alarm is sounded and not return until the unit has been repaired and aired out thoroughly.

If no one exhibits the symptoms associated with carbon monoxide:

1. Push reset button.
2. Turn off all sources of combustion including water heater, furnace, stove, oven, motorhome engine.
3. Open windows and doors and move to a location that has fresh air.
4. Call a qualified technician and have the problem corrected before restarting appliances and/or vehicles.

Maintenance

TESTING

WARNING: DO NOT attempt to test the detector by any other means than using the “test” button. DO NOT attempt to produce carbon monoxide to test the detector.

The CO detector should be tested weekly for proper operation:

1. Push the test button until the yellow LED lights and a short beep is heard for approximately three seconds.
2. Release button.

The detector will test itself for proper operation. Upon completion of the self-test, the alarm will sound and each of the LEDs will light for approximately $\frac{3}{4}$ second. The detector will then resume normal operation.

BATTERY REPLACEMENT

Under normal operating conditions, the battery will last approximately one year. The detector has a low battery monitor circuit which will cause the detector to make a chirping sound then the red LED to flash every 30-40 seconds for a minimum of seven (7) days indicating the battery is low. Replace the battery when this occurs. Use only 9-volt batteries for the CO detector replacement.

WARNING: Use only the batteries specified for replacement. Use of different batteries may have a detrimental effect on the CO detector.

CLEANING

Use the following procedure to clean the CO detector:

1. Remove the detector from the mounting plate by rotating the detector in the direction of the “OFF” arrow on the cover.
2. Clean the interior of the detector by using a vacuum cleaner hose and vacuuming through the openings around the perimeter of the detector.
3. Wipe the outside of the detector with a damp cloth.
4. Replace detector.
5. Test detector using the testing procedure.

UNIT REPLACEMENT

The CO detector should be replaced every six years.

Additional information is supplied in the manual published by the manufacturer of the equipment.

EMERGENCY EXIT WINDOW

An emergency exit window may be installed in the rear wall or sidewall opposite of the entry door on your motorhome. The window is identified by red snap latches and white label with red letters indicating "EXIT."

This window will allow a quick exit from the vehicle during an emergency if access to the main door is not available. An emergency exit may also be available through the driver's side cab door. Practice opening the window BEFORE an emergency occurs, and make sure all occupants know how to operate it.

SLIDEOUT ROOM OPTION

The slideout is designed for additional floor space and comfort. Mechanical components are gear driven and produced by Power Gear Company. Read ALL instructions in the next few pages before operation to become familiar with the system.

CAUTION: Do not place excessive weight in the slideout room.

Components

The slideout system has numerous major components and are as follows:

- One inner rail drive assembly to support room weight.
- A 12-volt DC motor and drive shaft that will operate the room using energy from an onboard recreation vehicle battery.
- A manual override system that allows you to move the room in or out in the event of a power loss.

WARNING:

- Ensure that the mini-motorhome is level before operating the slideout room.
- Ensure there are no obstructions blocking the path of the room when it is moving.
- Make sure that the room path and the room itself are clear of people and objects before operating.
- Keep away from the slide rails when the room is in motion.
- The gear assembly may pinch or catch on loose clothing causing personal injury.
- Always install transit bar for storage and transportation.
- The slideout room should be clear of people during operation.

Failure to follow these instructions could result in serious injury or death.

Operations

Important Slideout Instructions

- Remove travel bars on top of slideout before operating slideout. When slideout is in, insert travel bars on top of slideout before traveling.
- Models with slideout front dinette seat are equipped with a tie down strap. Make sure this strap is removed when opening the slideout. It is also critical to reinstall the strap prior to travel once the slideout is retracted.

EXTENDING ROOM

1. Battery(ies) must be fully charged and connected. Mini-motorhome should be hooked up to 120-volt AC power if possible.
2. Turn mini-motorhome master battery switch on.
3. The mini-motorhome must be level and if the unit has stabilizer jacks they must be in the down position.

CAUTION: Additional support jacks are not needed under the slideout. Damage can occur to your slideout room from improper use of support jacks.

4. Remove “travel bars” from behind the top fascia board located above slideout room.
5. For models with slideout front facing dinette seat, remove the tie down strap on the aft end of the rear dinette seat.
6. Ensure that there are no items left between slideout and cabinetry.
7. Locate slideout master control switch.
8. To move room out, press the “OUT” button on switch and hold until motor stops.
9. Release button as switch is spring loaded. Travel time – approximately twenty seconds.

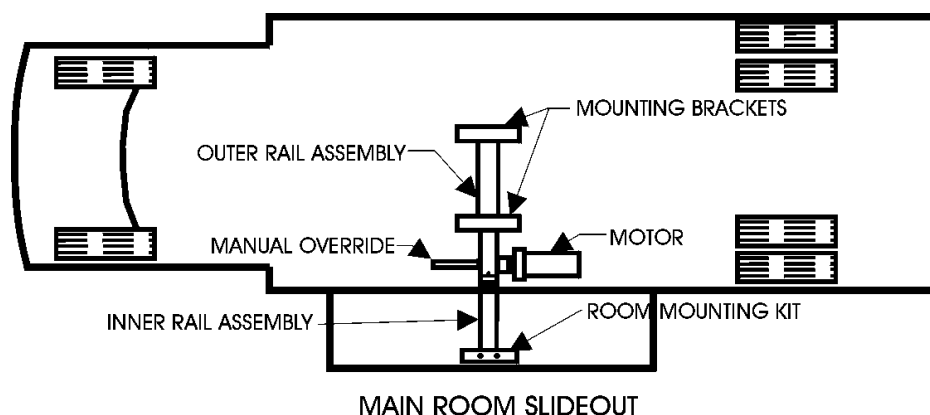
RETRACTING ROOM

1. Remove all objects in front of the room.
2. Press the “IN” button to bring room in and hold until motor stops.
3. Release switch button.
4. Install “travel bars” in proper location as indicated on the wall.
5. Install the rear dinette seat tie down strap.

WARNING: For models with a slideout front facing dinette seat, confirm that the tie down strap is installed correctly prior to travel.

CAUTION: IMPORTANT! Never store slideout without the travel bars installed. This helps seal the slideout in the closed position.

Fig. 3-1



Overriding The Mini-Motorhome Slideout System

The Power Gear slideout system is equipped with a manual crank override that allows you to extend or retract the slideout if there is a loss of power.

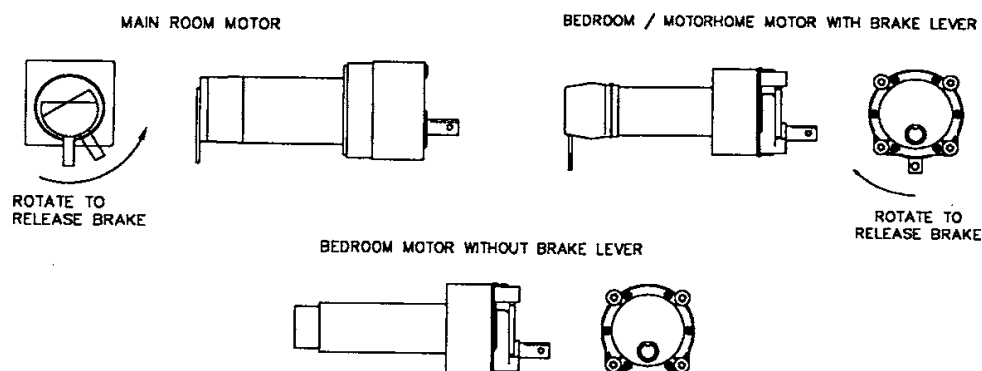
If the system will not move when the switch is pressed, check the following:

- Is the battery connected?
- Does the battery have a full charge?
- Is the mini-motorhome master battery switch turned “ON”?
- Are the travel bars and tie down strap (if applicable) removed?

After checking the above, follow these steps to move the slideout manually:

1. Rotate the lever on the back side of the motor counter-clockwise about 1/8 turn (Fig. 3-2). This will release the brake that locks the slideout in place.
2. Access the manual over ride located in front of the slideout rail assembly. Using a 3/4" or 1/2" drive with a 3/4" socket, crank slideout until fully retracted (or extended).
3. When the slideout is fully retracted (or extended), apply pressure to the ratchet handle and return the brake release lever to its normal downward position (Fig. 3-2). This will ensure that the slideout is locked in a sealed position.
4. Install the travel bars and tie down strap (if applicable) and take the unit to a Jayco dealer for service.

Fig. 3-2



WARNING: When the slideout motor brake is released the slideout will not lock into place, and therefore it will not be sealed from the outdoors! When the slideout has been retracted, be sure to install the travel bars and the tie down strap (if applicable) and return the break release lever to its downward position in order to seal and lock the slideout.

WARNING: For models with a slideout front facing dinette seat, confirm that the tie down strap is installed correctly prior to travel.

Preventative Maintenance

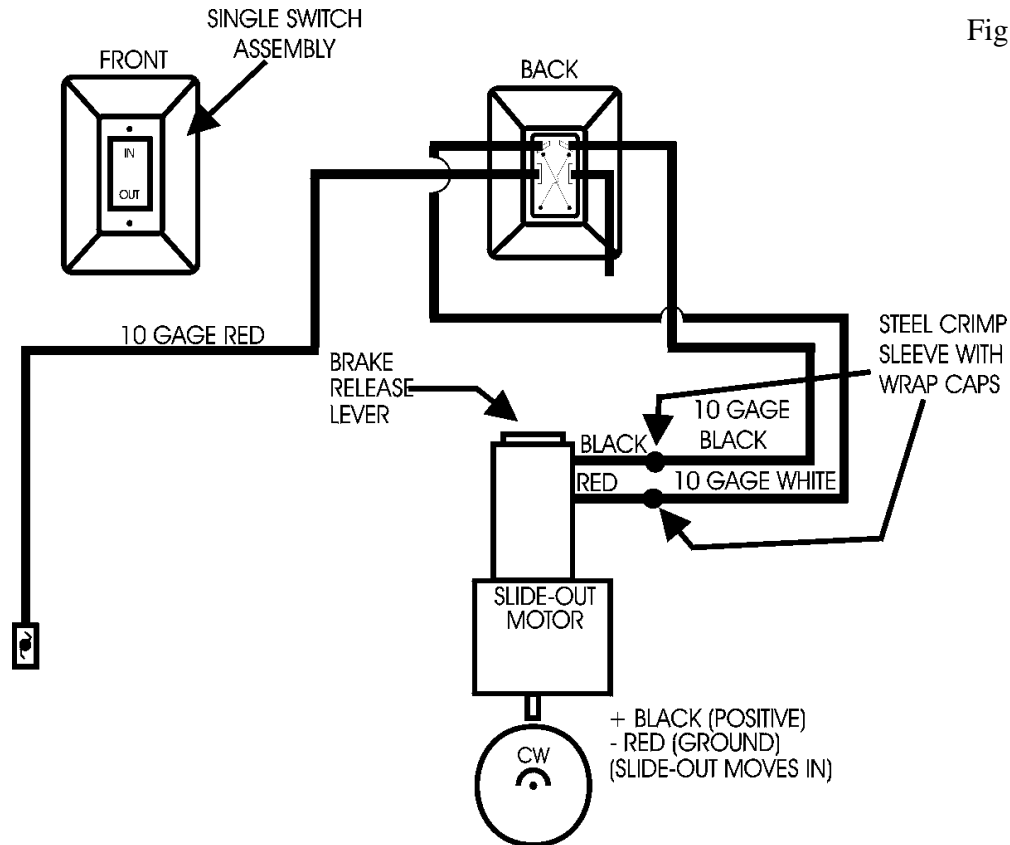
Your Power Gear slideout system has been designed to require very little maintenance. To ensure a long life of your slideout system, read and follow these simple procedures.

CAUTION: Do not work on your system unless the battery is disconnected.

- When the room is out, visually inspect the inner slide rail assemblies (see Fig. 3-1). Check for excess buildup of dirt or other foreign material; remove any debris that may be present.
- If the system squeaks or makes any noises apply a coat of light weight oil to the drive shaft and roller areas. Remove any excess oil to prevent buildup of dirt and debris.
- If you have any problems or questions consult your local Jayco dealer or call Power Gear 1-800-334-4712

ELECTRICAL WIRING INFORMATION

Fig. 3-3



TROUBLESHOOTING ELECTRIC SLIDEOUT

If the slideout does not move when the slideout switch is depressed follow these steps:

1. Check the battery for a full charge and good wire connections.
2. Check for loose connections on the slideout motor.
3. Make sure the mini-motorhome master battery switch is on.

If the slideout still does not move when the slideout switch is depressed follow these steps:

1. If the slideout is extended see the section on overriding the electrical slideout system.
2. If the slideout is retracted leave it in that position and install the “travel bars” and “tie down strap” (if applicable).
3. Take the mini-motorhome to the nearest dealer or service center.

If the slideout extends crooked or only one side moves follow these steps:

1. Follow steps 1-4 of the section on overriding the slideout system to disconnect the motor.
2. Retract slideout using the hand crank. You may need to push on the side that is not sliding to get it to retract all the way.
3. Once the slideout is fully retracted, install the “travel bars” and “tie down strap” (if applicable).
4. Take your mini-motorhome to the nearest dealer or service center.

SETUP FOR CAMPING

Leveling your RV is important for several reasons:

1. The refrigerator is designed to operate when level for best performance due to the absorption system.
2. The water drainage systems are designed with proper slope and must be level for proper operation.
3. A level motorhome is more comfortable for sleeping and walking.
4. The oven performs best when level.

For leveling the motorhome, carry a quantity of 2"x6"x12" blocks to place under the tires when parking on an uneven campsite. "Chock" the tires to prevent the vehicle from rolling off the blocks. If the vehicle is equipped with stabilizer jacks, use them for support as needed. DO NOT use these jacks for raising the vehicle.

After correctly leveling and supporting your motorhome, connect items such as the fresh water supply and holding tank drain hose.

CAUTION: To prevent 120-volt AC electrical power surges from damaging connected loads, it is recommended to follow this procedure:

1. Enter motorhome and turn off ALL 120-volt circuit breakers
2. Exit motorhome and plug in power cord, 120-volt AC
3. Return to motorhome and turn on MAIN circuit breaker first.
4. Now turn on the remainder of circuit breakers, A, B, etc.

You may also possess a volt meter to read voltage coming from power source. Campgrounds occasionally have low or high voltage. Any prolonged overload will shorten the life of 120-volt system and appliances.

Open the valve at the LP propane tank SLOWLY. Light pilot lights as needed. There may be air in the LP lines and five to thirty seconds of time is needed to bleed air before lines are filled with LP vapor. Instructions for lighting and shutting down your LP gas powered appliances are in each appliance information manual provided with each appliance, as well as in Chapter 4.

STORING YOUR MOTORHOME

To maintain your motorhome, follow these suggestions when the unit is being stored:

1. Drive the motorhome once every thirty days for thirty minutes to one hour.
2. Store unit with full engine fluid levels.
3. Keep fuel tank full to prevent condensation. In addition, adding fuel stabilizer will also aid in preventing condensation.
4. Keep battery charge levels in top condition. (Reference Chapter 4 for additional information.)
5. Turn off the mini-motorhome master battery switch.

Depending upon your area and where your unit is stored, your camper may be a target for damage from rodents and insects. To protect your camper, never leave food inside the unit and make sure all surfaces are clean. You may want to place rodent control products in the unit during periods of storage. Mice especially can do a tremendous amount of damage to the drapes, cushions, etc. particularly in the winter months. Storing units in fields make them particularly inviting to rodents. Periodically inspect your unit during storage and seal off any areas which can offer an entry point to rodents or insects. Please remember to remove any screens or tape you have used to seal openings before you use the camper again. Special interest publications, such as articles and books offered through TL Enterprises (Trailer Life, Motorhome, etc.) can offer you additional, practical advice on the proper storage of your camper. Damage from rodents or insects are NOT covered under your Jayco Limited Warranty.

CHAPTER 4

THE SYSTEMS

PLUMBING SYSTEM

Included in your Jayco recreation vehicle is a complete fresh water system. Each component is explained along with its operation.

Tanks

A water tank is permanently installed in your recreation vehicle. On some models it is located inside of the motorhome under a bed, dinette or sofa. Other models may have an external tank under the floor between frame members.

Fills

To fill tanks there are two types of direct hookups. The first type, shown in Fig. 4-1 is on non-basement models. The second type, shown in Fig. 4-3 is on units with full basements, located in the utility center.

CAUTION: DO NOT leave tank unattended while filling.

Non-basement models: Connect garden hose from water supply line to “City Water Connection” (Fig. 4-1). Open the tank fill handle (Fig. 4-2). Open valve on water supply line. Enter the unit and open faucets to bleed air from lines. The water heater will fill first, followed by the supply lines and faucets. When the lines are near full, you may experience some air pockets. Allow them to escape before closing faucets. Close the tank fill handle (Fig. 4-2).

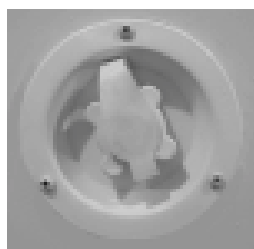


Fig. 4-1



Fig. 4-2

Full basement models: Connect garden hose to “Fresh Water Connection” inside utility center and move the “Fill Water Tank Handle” to the “Fill Water Tank Position” (Fig. 4-3). Open valve on water supply line. Enter the unit and open faucets to bleed air from lines. The water heater will fill first, followed by the supply lines and faucets. When the lines are near full, you may experience some air pockets. Allow them to escape before closing faucets. Return the “Fill Water Tank Handle” to the normal position.

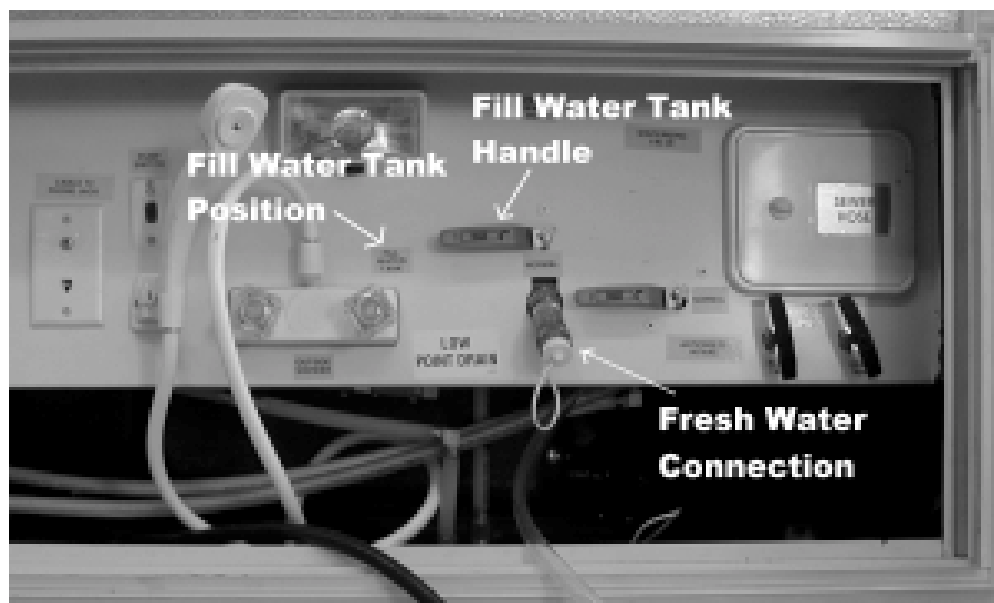


Fig. 4-3

CAUTION: Excessive pressure from water supply may be encountered in some parks, especially in mountain regions. Water pressure regulators are available to protect your system against such high pressure. A regulator of this type is recommended to prevent damage to plumbing systems or components. A 45 pound (315 KPa) rating is suggested.

12-Volt Demand Pump

When water is desired and you are not hooked up to city water, you need to turn on 12-volt power to start demand pump. You will find the switch on the monitor panel or a wall near the pump. The battery or converter will supply energy for pump which will self-prime and provide water. The pump continues to run until approximately forty pounds of pressure is achieved and automatically starts again when pressure drops to twenty pounds. Some cycling in pump may occur, depending on volume of water being released. A check valve is built inside of pump to prevent water from flowing into supply tank.

NOTE: The water pump switch should be in the off position when the camper is left unattended for any amount of time. If something would happen to the water system, this will ensure that water damage will be restricted to a small area.

CAUTION: Not using a water pressure regulator when using city water fill may cause the o-rings to blow. It is advisable to always utilize a water pressure regulator with the city water fill.

Faucets

Bathroom or kitchen faucets operate the same as in your home. Open by turning knobs. There may be air in lines which needs to be bled out. Close faucets when sufficient water is released.

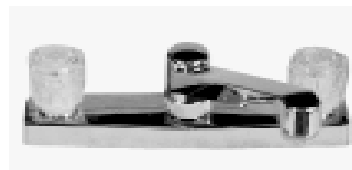


Fig. 4-4

Outside Shower (Option)

A convenient faucet assembly with hot and cold water is available for exterior use washing or rinsing on the outside of camper.

OPERATION

1. Turn on pump.
2. Open door with key and allow to hinge down; or on units with the utility center, open door to utility center.
3. Remove shower head and open valve.
4. Open faucet valves and adjust to temperature as desired.
5. To cease operation close valve(s) on faucet and allow water to drain from shower head.
6. Close valve on shower head.

Any water remaining in hose will drip or run out of vacuum breaker. This is NOT a leak but performs as intended. Water in A.B.S. plastic box will drain out along outer edge. The shower head can be removed to drain hose faster. Reassemble and place onto bracket. Keep the door closed when not in use for sanitary reasons.

Sanitizing and Filling the Potable Water System

For your safety, you should sanitize your potable water system when your RV is new, every three months or 3,000 miles (5,000 kilometers), or when it has been sitting unused for a period of time, and any time it may have become contaminated.

Units Without Utility Center:

1. Drain the water tank and water heater completely by turning all faucets on until tank and heater are empty.
2. In a large bucket, prepare a chlorine solution using $\frac{3}{4}$ cup of household bleach and three (3) gallons (11.35 liters) of water.
3. Unscrew plug from the top of the water tank and pour the solution into the tank. (Fig. 4-5)
4. Connect garden hose to the city water connection (Fig. 4-1). Open the water tank fill valve (Fig. 4-5) and add water until the tank is $\frac{1}{2}$ - $\frac{3}{4}$ full.
5. If possible, drive the unit to allow the solution to agitate in the tank.
6. Fill the remainder of the tank. Open kitchen and bathroom faucets to allow air to escape the water lines and the water heater.
7. Turn the pump on and allow several seconds for the pump to prime.
8. After the water heater and water lines fill, the air will stop bubbling out of the faucets. At this point, turn all faucets off. Please note, the water heater will hold approximately six gallons (22.7 liters) of water. Allow the water to run long enough to ensure that the tank is full.

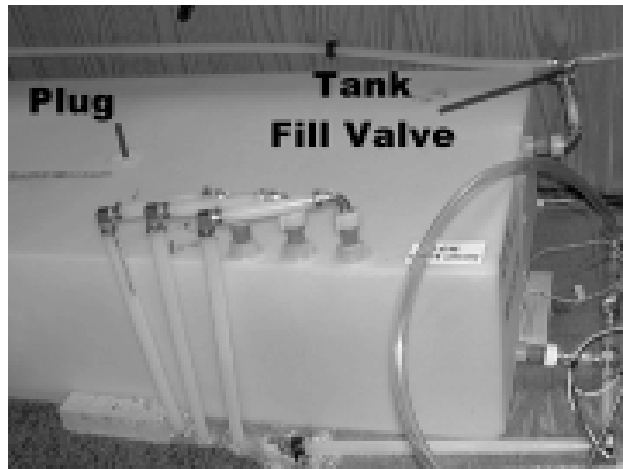


Fig. 4-5

9. Allow to stand for at least three hours.
10. Drain the water tank and water heater completely by turning on all faucets until tank and heater are empty.
11. Connect the garden hose to the city water connection and fill the tank.
12. Open kitchen and bathroom faucets to allow air to escape the water lines and the water heater.
13. Turn the pump on and allow several seconds for the pump to prime.
14. After the water heater and water lines fill, the air will stop bubbling out of the faucets. At this point, turn all faucets off. Please note, the water heater will hold approximately six gallons (22.7 liters) of water. Allow the water to run long enough to ensure that the tank is full.
15. Allow to stand for at least three hours.

To remove excessive chlorine odor and taste:

1. In a large bucket, prepare a solution of $\frac{1}{2}$ cup baking soda to one gallon (3.78 liters) of water for every 15 gallons (56.78 liters) of tank capacity.
Repeat steps 3-8 above.
2. Allow the baking soda solution to sit in the tank for a few days while traveling or allow to stand for a few days.
Repeat steps 10-14 from above.
3. Drain the water tank and water heater completely by turning all faucets on until tank and heater are empty.
4. Your demand water system is now ready for use.

Units with Utility Center:

1. Drain the water tank and water heater completely by turning all faucets on until tank and heater are empty.
2. In a large bucket prepare a chlorine solution using $\frac{3}{4}$ cup of household bleach and three (3) gallons (11.35 liters) of water.
3. Place the "Clear Hose" in a bucket of solution. (Fig. 4-6)
4. Turn "Fresh Water Valve" to normal position.
5. Turn "Winterizing Valve" to "Sanitize/Winterize Intake."
6. Close the "Water System Valve" located behind the water pump. (Fig. 4-7)
7. Open the "Bypass Hose Valve." (Fig. 4-7)
8. Close the "Low Point Drain Valve." (Fig. 4-7)
9. Turn the "Water Pump Switch" to the "ON" position and allow all of the chlorine solution to enter the tank. (Fig. 4-6)
10. After allowing all the chlorine solution to enter the tank, turn the "Winterizing Valve" to normal.
11. Turn "Fresh Water Inlet Valve" to fill water tank position.
12. Open the "Water System Valve." (Fig. 4-7)
13. Close the "Bypass Hose Valve." (Fig. 4-7)
14. Connect garden hose to the "Fresh Water Inlet" and add water until the tank is $\frac{1}{2}$ - $\frac{3}{4}$ full. (Fig. 4-6)

15. If possible, drive the unit to allow the solution to agitate in the tank.
16. Fill the remainder of the tank with water. Open kitchen and bathroom faucets to allow air to escape the water lines and the water heater.
17. Turn the “Water Pump Switch” to the “ON” position and allow several seconds for the pump to prime. (Fig. 4-6)
18. After the water heater and water lines fill, the air will stop bubbling out of the faucets. At this point, turn all faucets off. Please note, the water heater will hold approximately six gallons (22.7 liters) of water. Allow the water to run long enough to ensure that the tank is full.
19. Allow to stand for at least three hours.
20. Drain the water tank and water heater completely by turning on all faucets until tank and heater are empty.
21. Connect the garden hose to the “Fresh Water Inlet” and fill the tank. (Fig. 4-6)
22. Open the kitchen and bathroom faucets to allow air to escape the water lines and the water heater.
23. Turn the “Water Pump Switch” to the “ON” position and allow several seconds for the pump to prime. (Fig. 4-6)
24. After the water heater and water lines fill, the air will stop bubbling out of the faucets. At this point, turn all faucets off. Please note, the water heater will hold approximately six gallons (22.7 liters) of water. Allow the water to run long enough to ensure that the tank is full.
25. Allow to stand for at least three hours.
26. Drain the water tank and water heater completely by turning on all faucets until tank and heater are empty.
27. Your water system is now ready to use.

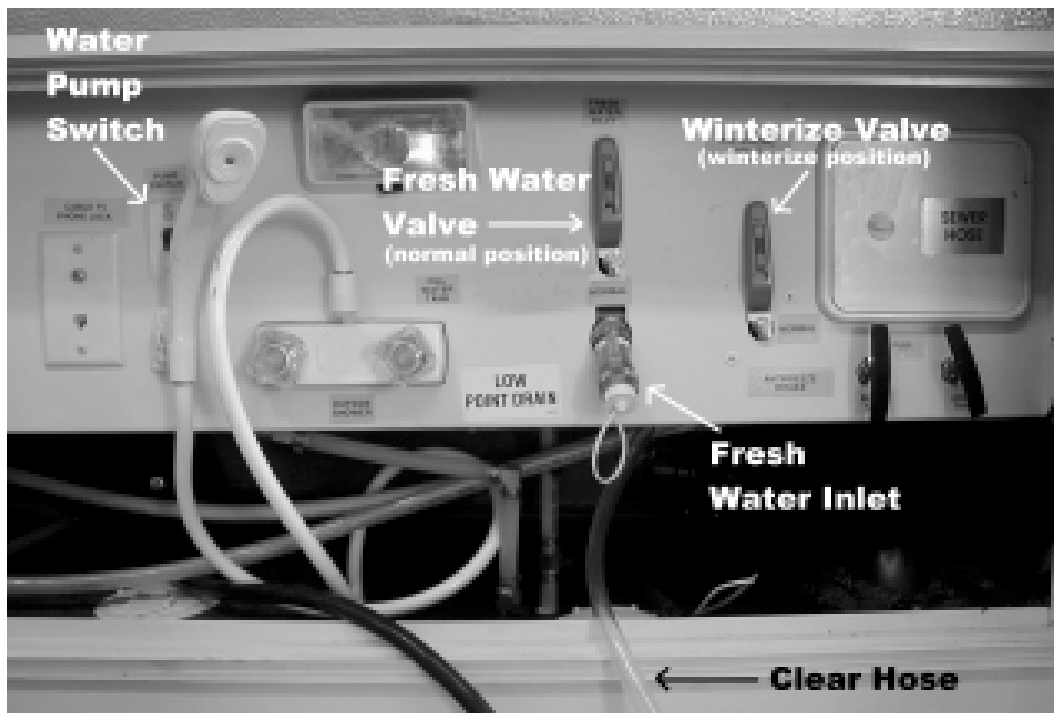


Fig. 4-6

To remove excessive chlorine odor and taste:

1. In a large bucket, prepare a solution of ½ cup baking soda to one gallon (3.78 liters) of water for every 15 gallons (56.78 liters) of tank capacity. Repeat steps 3-18 from above.
2. Allow the baking soda solution to sit in the tank for a few days if possible. If you can have the soda solution in the tank while traveling, it works better to clean and refresh the tank from the agitating motion. Repeat steps 22-24 from above.
3. Drain the water tank and water heater completely by turning all faucets on until tank and heater are empty.

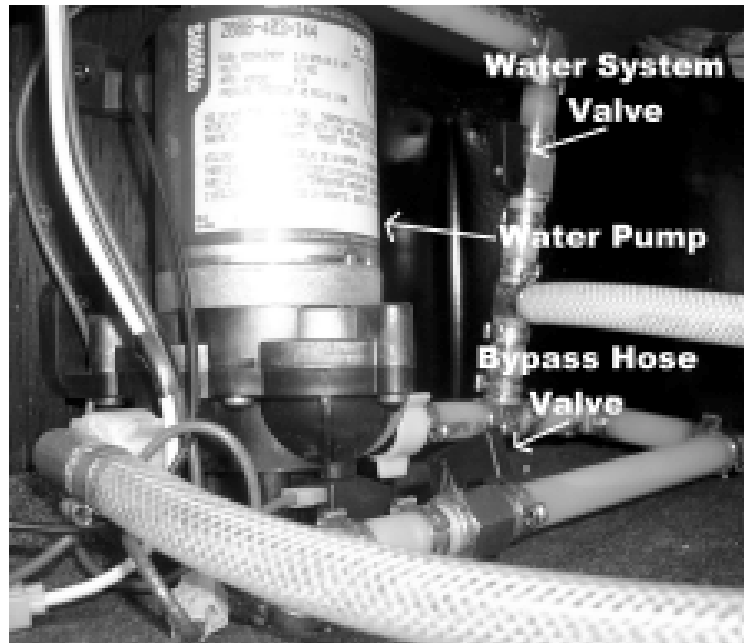


Fig. 4-7

Bath and Shower

Your bathroom facilities function similar to those in your home. Prepare your bath or shower curtains to prevent water from spilling onto floor. Be sure water heater is in operation before bathing. Adjust the faucets for desired temperature before entering tub or shower. Shower heads are equipped with a vacuum breaker to prevent pressure buildup. This valve allows water to bleed out. Turn water off at tub/shower faucet, not the shower head.

Used water will drain through plumbing pipes into gray water holding tank. Remember your capacities of water heater and gray water holding tank. Long showers in a recreation vehicle are NOT suggested due to the amount of water that is available. To conserve water, wet down, and turn water off while you use soap, then rinse.

Drainage

To drain the permanent fresh water tank on full basement models, open the tank low point drain valve in the utility center. On other models, open the tank low point drain valve near the fresh water tank.

To drain the supply lines locate and open the “low-point” drains. On full basement units, they are located in the utility center. On other units, they are located near the floor, and may be under cabinets, dinettes, or sofas.

TO DRAIN SYSTEM:

1. Open all faucets including optional exterior shower.
2. Open fresh water tank drain.
3. Open water heater drain.
4. Open all (2 to 4 depending on the model of your unit) low-point drains. (Fig. 4-8)
5. Open toilet valve, hold or block if need be.
6. To empty pump, start and allow to run 20 seconds.



Fig. 4-8

SANITATION SYSTEM

Toilets

Two types or models of toilets are used on Jayco motorhomes. One is the Starlight/Galaxy model featuring two foot pedals for flushing. The second type, the Aqua Magic 4, features two levers on the back side to flush the toilet.

OPERATING INSTRUCTIONS – STARLIGHT/GALAXY

Your toilet is efficient and easy to operate. Prior to utilizing the unit or after dumping your holding tank, add the proper amount of deodorant to tank. Adding a deodorant will help control waste odors in the tank. Thetford offers a complete line of deodorants and other convenience products. After each use, the bowl fills with water automatically to a depth of two inches (50 mm). To add additional water to bowl, step on the small pedal and hold until the desired amount of water is in the bowl. Release pedal slowly (Fig. 10). To flush, step on the large pedal until rinse clears the toilet bowl, release pedal slowly (Fig. 11)



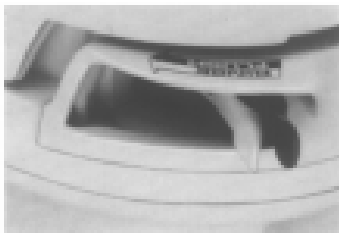
Fig. 4-9



Fig. 4-10

OPERATING INSTRUCTIONS – AQUA MAGIC 4

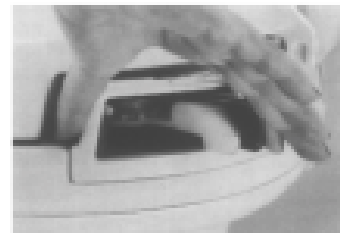
The Aqua Magic 4 is equipped with two operating levers located on the right side of the toilet when facing the unit. To flush, pull the black lever forward (clockwise) until rinse clears bowl and release lever slowly. Movement of the flush lever opens the waste valve and allows waste to pass into the holding tank. Water fill is activated simultaneously with the black flush lever. The lever should be held open for several seconds to allow adequate flush water coverage of bowl to develop. The white water fill lever can be operated independently of the black flush lever if more than the normal two inch (50 mm) automatic bowl refill water is desired. **YOU MUST USE AN ADEQUATE AMOUNT OF WATER WHEN FLUSHING TO PREVENT SOLID WASTE BUILD UP AND PROMOTE PROPER DRAINAGE.** See Holding Tanks.



Flushing lever (black) and water fill lever (white) shown in the normal closed position.
Fig. 4-11



Pull water fill lever (white) to adjust to desired level.
Fig. 4-12



Single forward motion flushes and refills bowl.
Fig. 4-13

MAINTENANCE – STARLITE/GALAXY

No routine maintenance is required. To clean toilet, use Thetford Aqua-Bowl or any other high grade, nonabrasive cleaner. Do not use highly concentrated or high acid content household cleaners or scouring powder, as these products can damage seals and finish. Do not use products with chlorine or bleach.

MAINTENANCE – AQUA MAGIC 4

The Aqua Magic 4 does not require routine maintenance except for cleaning. In some installations the seat and cover can be removed to facilitate cleaning. To remove seat, both seat and cover should be in the open (up) position. Grasp assembly on both sides and pull away from you in an upward angle of approximately 45°. To reinstall seat and cover, place legs of assembly in rear slots of cover until they are centered on hinge posts and gently push down at approximately 45° until you feel the engagement.

Vents

Another important part of the sanitation system are the vents which release air from tanks. Each tank has a vent pipe built into the motorhome through the cabinet, wall and roof. A vent cap is attached to the roof and must be clear of obstructions to perform as intended. On some models the vent pipe may be part of the drainage system referred to as a “wet vent.” This means water flows downward as air flows upward in the same pipe.

Holding Tanks

The final part of your system are the holding tanks. They hold waste and are located below the floor of your motorhome. Bath tub and sinks drain into the waste water tank, also referred to as the “gray” water holding tank. The toilet drains into the sewage holding tank, also referred to as the waste holding tank. Certain floor plans may also have the lavatory draining into the waste (sewage) tank.

SEWAGE TANK PREPARATION

1. Release one to two quarts (.95 to 1.89 liters) of water into the toilet bowl.
2. Following the directions on your toilet chemical bottle by placing the recommended quantity of holding tank chemical into the bowl.
3. Flush the toilet and allow at least two gallons (7.57 liters) of water to flow into the tank.

CAUTION: IT IS IMPORTANT TO ADD ENOUGH WATER TO PREVENT SOLID WASTE BUILD UP. Follow these directions each time after emptying your holding tank, except when winterizing.

GRAY WATER HOLDING TANK

No special preparation is required. However, placing a small quantity of chemicals into this tank, such as baking soda or a Thetford chemical, will reduce odors from food particles in the system.

CAUTION: We recommend that you DO NOT travel with full holding tanks. Full holding tanks are not calculated into the cargo carrying capacity of your mini-motorhome. The weight from full holding tanks will greatly diminish the cargo capacity and possibly cause you to exceed the gross vehicle weight rating. This can affect suspension components, reduce fuel economy, and create adverse handling characteristics. If you are dry camping and cannot immediately empty your tanks, reduce your speed until you reach a dumping station.

USING TOILET AND TANK SYSTEM

NOTE: For added convenience and better sanitation system performance, it is advisable to always have four to six inches of water in the toilet.

Prior to using the sanitation system, it is strongly recommended to flush the toilet several times and release sufficient water into the tank. If there is not a sufficient amount of water used during flushing, waste materials may not evacuate properly from the drain line to the tank. A clogged tank and pipes could eventually occur. When camping you should always have four to six inches (10-15 cm) of water in the toilet bowl. The toilet system will perform better when water is run for ten to fifteen seconds after flushing to ensure wastes will proceed to the bottom of the tank. Unlike your toilet at home which uses four to seven gallons (15 to 30 liters) per flush, the average recreation vehicle system uses one to three quarts (1 to 3 liters). If there is not a sufficient amount of water used during flushing, waste materials may not evacuate properly from drain line to tank. Clogged tank and pipes could eventually occur.

When hooking up to the sewer drain line in a campground, keep the termination valve on the waste tank **CLOSED** until tank is at least 3/4 full. This will provide sufficient water to assist in complete draining of the tank. At this time, open the termination valve to empty the tank and close the valve when the tank is empty. Repeat this process as needed, but **NEVER** leave the termination valve open when hooked up to the park's sewer system.

All drain pipes have a "P-trap" installed into each line. Water in these traps prevent odors from escaping into motorhome. During travel, water from the P-traps may spill and permit odors into motorhome. These odors come from food particles decomposing in the tank. By adding water and using a RV approved deodorizing agent will dissolve the contents faster and will keep the drain lines and tanks clean and free flowing. Chemicals are available at an RV supply store.

DRAINING THE TANKS

A final part of the sanitation system is the drainage of holding tanks.

1. Place motorhome as level as possible to make drainage easier.
2. Attach a flexible sewer hose to adapter and secure with a clamp.
3. Remove cap and attach adapter onto valve housing.
4. Turn adapter 10° to lock onto pegs.
5. Place other end into approved sewer system.
6. Open the 3" drain valve to drain the sewage tank.
7. Open the valve on the gray water tank to utilize the water to wash and rinse the hose.

Most states and parks have strict laws and regulations to prohibit dumping of wastes of any kind into anything other than proper disposal facilities or sewer systems. Almost all privately owned parks have either a central pump facility or offer a campsite hookup of sewage. You can find lists of many dump facilities throughout the United States in *Woodall's*, *Rand McNally Camp Guide*, *Good Sam Camp Guide*, *KOA Campgrounds Camp Guide*, and various other publications. Some fuel stations also have dump stations.

WINTERIZING YOUR MINI-MOTORHOME

Preparing your recreation vehicle for winter is very important for most states and Canada. Failure to prepare the motorhome will cause supply lines and water heater to freeze causing breakage. Repairs due to freezing are not to be covered under the terms of your Jayco Limited Warranty.

Two methods of winterizing your motorhome after draining and flushing your drainage system are listed below.

METHOD 1

1. Run the pump until dry, about fifteen seconds.
2. Using an air hose and adapter, blow air through the city water fill.
3. Leave the faucets, drains and toilets open. Any remaining water will blow out in five to ten minutes.
4. Pour one cup of non-toxic RV antifreeze into all drain P-traps.

WARNING: Do not use Ethylene Glycol (automotive antifreeze) or Methanol (windshield washer antifreeze) in your fresh water system. They are harmful and may be fatal if swallowed.

METHOD 2

WATER HEATER BYPASS KIT: The water heater bypass is available on most units.

To Winterize the Plumbing System

1. Turn off the pump.
2. Close valves A, B and D. Open valves E and C. (Fig. 4-14)
3. Drain the water heater and fresh water tank. (Consult the water heater owner's manual for details.)
4. Put the hose from valve E into a jug of **NON-TOXIC** RV antifreeze. You will need more than one gallon of antifreeze.

WARNING: Do not use Ethylene Glycol (automotive antifreeze) or Methanol (windshield washer antifreeze) in your fresh water system. They are harmful and may be fatal if swallowed.

5. Turn on the pump and open each faucet until the antifreeze flows through. Do not forget to run the antifreeze through the toilet.
6. Pour at least one cup of antifreeze into each drain to protect the P-traps.
7. Close valve E.
8. Before using the water system again, drain and flush the water system. Close valve C and open valves D, A, and B. Sanitize and flush the whole system. It is now ready for use.

To winterize: Valves A, B, and D are closed; E and C are open.

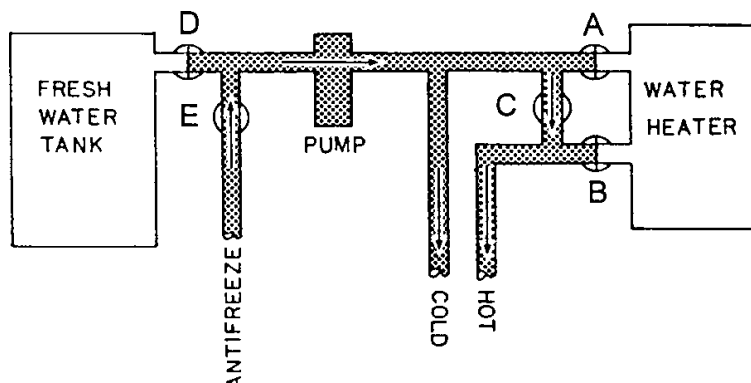


Fig. 4-14

UNITS WITH UTILITY CENTER

1. Drain the water tank and water heater completely by turning all faucets on until tank and heater are empty.
2. Open the three low point drain valves located in the utility center. When water stops flowing out of them, close the valves. (Fig. 4-15)
3. Open water heater bypass valve C and close valves A and B. (Fig. 4-16)
4. Turn the “Winterizing Valve” to the “Sanitize/Winterize Intake” position. (Fig. 4-15)
5. Turn “Fresh Water Inlet Valve” to “Fill Water Tank” position.
6. Close “Bypass Hose Valve.” (Fig. 4-7)
7. Open “Water System Valve.” (Fig. 4-7)
8. Put the clear antifreeze hose into a jug of **NON-TOXIC** RV antifreeze. You will need more than one gallon of antifreeze. (Fig. 4-15)

WARNING: Do not use Ethylene Glycol (automotive antifreeze) or methanol (windshield washer fluid) in your fresh water system. They are harmful and can be fatal if ingested.

9. Turn the “Water Pump Switch” to the “ON” position and open each faucet until the antifreeze flows through. Do not forget to run the antifreeze through toilet. (Fig. 4-15)
10. Pour at least one cup of antifreeze into each drain to protect the P-traps.
11. Before using the water system again, open the valves A and B, open valve C then sanitize and flush the whole system. (See instructions under “Sanitizing – Units with Utility Centers”)

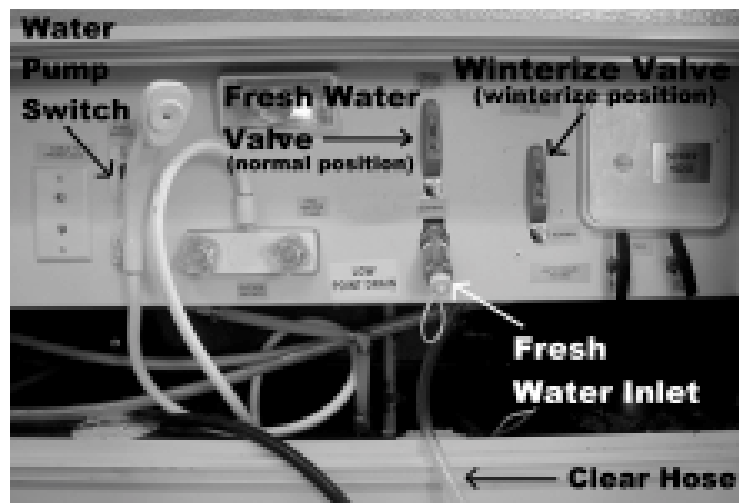


Fig. 4-15

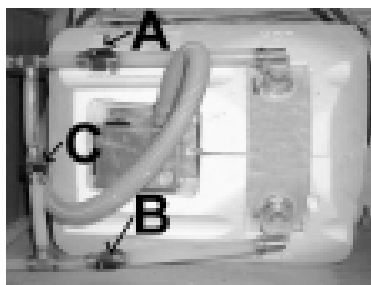


Fig. 4-16

USING THE WATER SYSTEM DURING FREEZING WEATHER

Please keep in mind that your motorhome was not designed for use during sub-freezing weather.

There is no commodity or product that can be added to the fresh water systems to ensure freeze protection while the system is in use, other than RV antifreeze. Do not drink water with antifreeze. This includes non-toxic RV antifreeze.

THE LP FUEL SYSTEM

Fuel system has numerous components such as: containers, hoses, regulator, piping and copper tubing lines to each appliance. Each of these components will be explained in appropriate area.

Several fuels are available to be used in recreation vehicle appliances, but only LP (Liquefied Petroleum) is to be used. This product is refined from crude oil through natural gases. In its gaseous (vapor) form, it is colorless, and odorless. An agent has been added for detection should a leak develop or a valve left opened. It is important for a recreation vehicle owner to recognize and know the smell of LP vapor.

LP fuel is stored in liquid form under high pressure. Fuel will change to vapor when released from container. Appliances are not designed to operate with liquid. Liquid will damage o-rings in the valves and also leave sticky, oily residue causing poor or no operation in regulator.

LP Container

Under the floor of the motorhome is an A.S.M.E. (Fig. 4-17), a permanently mounted container for LP fuel. Because the container is not removable, the motorhome will need to be driven to an LP fill station. When filling your LP container ensure that the technician knows and understands safety and correct procedures. NEVER allow the container to be overfilled.



Fig. 4-17

DO NOT use tools or heavy equipment to open or close valves on the containers. HAND TIGHTEN only.

There are four components attached to the container for filling and dispensing the fuel:

1. Gas Fill Valve: attach the fill hose before opening valve. Unless you are filling the container, keep the cap on at all times.
2. Relief Valve: open only during filling process. When open, it releases air and serves as an 80% full indicator.
3. LP Gauge: indicates quantity of fuel in container.
4. Outage Valve: dispenses fuel through the LP gas system to appliances for usage.

When LP gas containers are filled to 80% level, there is available space for safe expansion of the vaporized liquid. If the tank becomes overfilled it may gain pressure due to exposure to direct sunlight and will begin “blowing off” pressure from the overflow valve. This can be detected by the strong odor around tanks. Keep open flames away from this area. Take motorhome to a safe area and burn off the excess pressure with an approved torch.

WARNING: Your vehicle has exterior combustion air inlets. Appliance pilot lights and their ignitors should be turned off during gasoline or LP gas refueling. (Required by law in some states.)

A warning label has been located near the LP gas container. This label reads:

THIS GAS PIPING SYSTEM IS DESIGNED FOR USE OF LIQUEFIED PETROLEUM GAS ONLY. DO NOT CONNECT NATURAL GAS TO THIS SYSTEM. DO NOT FILL CONTAINER(S) TO MORE THAN 80 PERCENT OF CAPACITY. Securely cap inlet(s) when not connected for use. After turning on gas, except after normal container replacement, test gas piping and connections to appliances for leakage with soapy water or bubble solution. Do not use products that contain ammonia or chlorine. AD-34

**ALL GAS LINES HAVE BEEN
CHECKED WITH AIR PRESSURE.
DEALERS ARE REQUIRED TO
RECHECK AND ADJUST PRESSURE
BEFORE DELIVERY TO CUSTOMERS.**

WARNING: Do not fill container(s) to more than 80 percent of capacity. Overfilling the LP gas container can result in uncontrolled gas flow which may cause a fire or an explosion. A properly filled container will contain approximately 80 percent of its volume as liquid LP gas.

WARNING: LP gas containers should not be placed or stored inside the vehicle. LP gas containers are equipped with safety devices that relieve excess pressure by discharging gas into the atmosphere. Do not bring or store LP gas containers, gasoline or other flammable liquids inside the recreation vehicle. Disregarding this warning may result in fires or explosions.

WARNING: Never smoke while filling the LP tanks. Keep the RV away from immediate filling area when possible or extinguish all gas pilot lights.

When an LP tank is low, occasionally there is a concentration of garlic-like odor which may be mistaken for a gas leak. After a change over to a full tank, the odor usually will disappear. If not, turn off the valve of the LP container and have the system checked by a qualified technician.

Fuel Distribution Components

CAUTION: Remember – POL adapters and fittings have left hand threads.

POL ADAPTER AND LOW PRESSURE

Propane leaves the container through a POL adapter (Fig. 4-18) with an excess flow valve built into adaptor, which is attached to the regulator. No sealant is required on a brass to brass connection.

The excess flow valve provides a large volume of propane to escape from the bottle should there be a breakage between container and regulator.



P.O.L. Adapter

Fig. 4-18

REGULATOR

The regulator (Fig. 4-17) is the heart of your LP gas system and has internal moving parts. Its function is to reduce high and varied pressure from the LP container to a safe and consistent low pressure. The inlet valve is the first stage, reducing container pressure to ten to thirteen pounds. The second stage will reduce the gas from ten pounds to an operating pressure of 11" W.C. (water column) or 6.35 oz. of outlet pressure to the motorhome system. The second stage is adjustable and will need to be adjusted for precise operation. **DO NOT** attempt to adjust regulator. Have an authorized and competent technician make any adjustments. We suggest this normal maintenance procedure be performed once per year.

WARNING: LP gas regulators must always be installed with the diaphragm vent facing downward. Regulators that are not in a compartment have been equipped with a protective cover. Ensure that the regulator vent faces downward and that the cover is in place. This will minimize vent blockage that could result in excessive gas pressure causing a fire or an explosion.

If traveling on wet roads and in freezing weather conditions, ensure that the LP gas regulator is protected from road spray. If water enters the vent in the regulator, it may freeze the pressure controlling diaphragm in the open position so that the container pressure is applied to the appliances – a hazardous condition. Follow the instruction given by the manufacturer of the regulator. The vent on the regulator is to be turned downward position between 5 and 7 o'clock.

MAIN SUPPLY HOSE

The main supply hose will be attached from the regulator to the brass manifold fitting in the frame of the motorhome. The swivel brass nut on the main hose is the final attachment.

Operation

After the camper is completely set up and you are prepared for camping enjoyment, follow these steps for LP gas operation.

1. Close ALL burner valves, controls and pilot light valves.
2. Open main valve on LP container slowly to avoid fast rush of propane vapor through excess flow valve causing “gas freeze.” Should you experience a gas “freeze-up,” close main valve and wait 15 minutes before trying again.
3. Listen carefully as gas begins to flow. If hissing is heard for more than one or two seconds, close valve and search for leak. (See instructions below.)
4. Light appliances as needed and directed in appliance chapter.

Keep container valve(s) closed when traveling. Some states prohibit traveling with LP container, especially in underground tunnels on expressways.

WARNING: Portable fuel-burning equipment, including wood and charcoal grills and stoves, shall not be used inside the recreation vehicle. The use of this equipment inside the recreation vehicle may cause fires or asphyxiation.

When an LP tank gets low, sometimes there is a concentration of garlic-like odor which may be mistaken for a gas leak. After a change over to a full tank, the odor usually will disappear. If not, turn off the LP and have the system checked by a qualified technician.

Checking for Leaks

Upon delivery and periodically thereafter, check your gas system for possible leaks. Although the entire distribution system and its attached appliances have undergone factory testing for leaks, the camper is subject to road vibrations, which can cause connections and fittings to develop leaks. If you do encounter this odor, turn off all open flames immediately and begin a systematic search for leaks throughout the gas system. Use a bubble solution of soapy water, **without ammonia or chlorine** content, on connections and fittings. (**NEVER USE A MATCH** to check for leaks.) Bubbles will appear at the leaky points. When tightening connections, use two wrenches with opposing torque to prevent twisting of copper tubing. If the leak doesn't show up in the manifold or copper tubing distribution systems, check the appliances.

IF YOU SMELL GAS

1. Extinguish all open flames, pilot light, and smoking materials.
2. Do not touch electrical switches.
3. Shut off the gas supply at the tank valve(s) or gas supply connection.
4. Open doors and other ventilating openings.
5. Leave area until odor clears.
6. Have the gas system checked and leakage source corrected prior to use.

WARNING: It is not safe to use cooking appliance for comfort heating. Cooking appliances need fresh air for safe operation. Before operation:

- 1. Open overhead vent.**
- 2. Turn on exhaust fan.**
- 3. Open window.**

Unlike homes, the amount of oxygen supply is limited due to the size of the recreation vehicle. Proper ventilation when using the cooking appliance(s) will avoid danger of asphyxiation. It is especially important that cooking appliances not be used for comfort heating, as the danger of asphyxiation is greater when the appliance is used for long periods of time.

LP Gas Consumption

Most gas appliances are operated intermittently. Unless there is heavy use of hot water, water heater consumption of LP gas is minimal. During freezing weather and high wind conditions, furnace consumption can be extremely high.

LP gas consumption depends upon individual use of appliances and the length of time operated. Each gallon of LP gas produces about 91,500 BTUs (96530 Kilojoules) of heat energy. Following is a list of typical appliance consumption when turned on fully for one hour of operation:

Appliance	Average Consumption BTU Per Hour	Average Consumption Kilojoules Per Hour
Stove – Front Top Burner (H.P.)	9,000	9,280
Stove – Rear Top Burner	6,500	6,825
Stove – Oven Burner	7,100	7,490
Furnace	20,000 to 30,000	21,100 to 31,650
Refrigerator	1,200 to 1,500	1,270 to 1,580
Water Heater	8,800	9,280

NOTE: The previous chart is an example of a typical system and may not represent the exact system in your particular unit.

LP DETECTOR

Any recreation vehicle which contains an LP fuel system with propane consuming appliances requires a propane leak detection device for safety protection. A converter or auxiliary battery is required to supply 12-volt DC energy to operate leak detector.

Operation

Power ON Warm Up: When power is first applied the yellow LED will flash for three minutes while the detector is warming up. At the end of that time the LED will turn Green indicating full operation. If the detector has detected unsafe levels of gas it will immediately go into alarm.

CAUTION: This detector cannot alarm during the three minute warm up cycle.

TESTING

WARNING: Test the operation of this detector after the vehicle has been in storage, before each trip and at least once per week during use.

Press “the TEST switch” any time during the warm up cycle or while in normal operation. The LED should flash RED and the alarm should sound. Release the switch. **This is the only way you should test your detector.** This test feature checks the full operation of the detector. If this detector does not test properly return the detector immediately for repair or replacement.

ALARM

The red LED will flash and the alarm will sound when dangerous levels of gas are detected. The detector will continue to alarm until the gas clears or the “MUTE” switch is pressed. (See Procedures To Take During An Alarm).

Procedures to Take During an Alarm

1. Turn off all gas appliances (stove, heaters, furnace). Extinguish all flames and smoking material. Evacuate – leave doors and windows open.
2. Turn off the propane tank valve.
3. Determine and repair the source of the leak. Contact a qualified technician for help if necessary.

CAUTION: Do not re-enter until the problem is corrected.

ALARM MUTE

This feature is activated by pressing the TEST/MUTE button when the detector is in alarm.

1. The red LED will continue to flash and the alarm will beep every thirty seconds until the gas level has dropped to a safe level.
2. The LED will flash green until the end of the mute cycle.
3. If dangerous gas levels return before the end of the mute cycle, the alarm will beep four times and return to #1.

4. After two minutes, the detector will return to normal operation (solid green) or resound the alarm if dangerous levels of gas remain in the area.

Malfunction Alarm

The microprocessor will activate the malfunction alarm when it detects a fault in the detectors operation. The LED will alternately flash red and green, while the sounder beeps twice every fifteen seconds. The mute switch will not function. Remove the detector immediately and return it for repair or replacement.

Low Power Operation

This detector will operate normally down to 7-volt DC. Do not operate this detector below 7-volt DC.

WARNING: Limitations of propane/methane gas detectors:

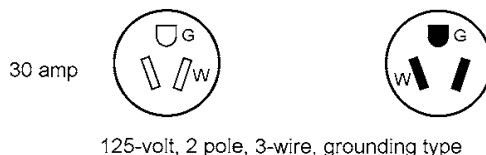
- This detector will not work without power. Examples causing no power are: an open circuit breaker, a faulty power line connection, a blown or missing fuse.
- This detector will only indicate the presence of propane or methane gas at the sensor. Explosive gas may be present in other areas.
- This detector may not be heard. The alarm loudness is designed to meet or exceed regulatory standards, however, the alarm may not be heard if detectors are located in remote locations or behind closed doors. The alarm may not be heard by persons who are hard of hearing.
- This detector is not a smoke or fire detector. It is not suitable as a smoke or fire detector.
- This detector is not suitable for installation in hazardous areas as defined in the national electrical code.

Additional information is supplied in a manual published by the manufacturer of this equipment.

ELECTRICAL SYSTEM

General

The electrical system in the recreation vehicle is composed of 120-volt AC (alternating current) and 12-volt DC (direct current) capabilities. All installations are made in compliance with safety requirements of ANSI standard A.1192 National Electric Code, Canadian Standards Association, NFFA-70.



Wiring code for 120-volt AC system is:

Black	=	Hot or positive
White	=	Neutral or negative
Green/Bare	=	Ground

Changes, Modifications and Additions

Any changes or additions made to a finished and delivered motorhome may cause a hazardous condition. Consult your local authorized dealer. Only qualified electrical technicians should attempt to make changes or additions to the electrical system, using only approved materials, components and employing approved methods of installation, which meet safety and code requirements, as well as ANSI A119.2 standards.

120-Volt AC System

Your mini-motorhome is equipped with a 30-Amp power cord pre-wired into the power center. By opening the cable hatch or utility center door you can pull the power cord out from the compartment and attach it to a commercial power source. The power cord extends approximately twenty to twenty-three feet from motorhome. Power flows through the 30-amp main circuit breaker and is then distributed through branch circuit breakers to wall receptacles and appliances.

To prevent accidental electrical shock, insure that the ground pin on the attachment plug cap is grounded through the RV park receptacle. When plugged into a receptacle with no provision for the third pin, use an adapter with a pigtail that can be connected to the receptacle box, with the grounding circuit completed through the ground pin or RV park receptacle box. Any accidental short of a live circuit conductor will trip the circuit breaker indicating a shorted circuit. Be certain that the polarity of the external power is not reversed in order to avoid harm to appliances and personal electrical shock. Polarity indicators may be purchased in most electrical and hardware stores.

It is strongly recommended to avoid the use of extension cords. If an extension cord is used, it **MUST** be the same amperage rating as the RV power cord. Using an improper extension cord will cause overheating of the cord and equipment as well as possibly causing premature failure of the AC equipment.

WARNING: Do not use an adapter, cheater or extension cord that will break the continuity of the grounding circuit. NEVER remove the grounding pin to connect a non-grounded, two-prong receptacle. Any deviation from this will potentially cause a fire from overheating.

Power Center

Your motorhome is equipped with a power center that includes 120-volt breakers, 12-volt fuses, and battery charging capability. Your motorhome is also equipped with a transfer switch that automatically switches between generator power and external power.

AC Distribution Center

When 120-volt AC is connected to power center through commercial power or AC generator, the 120-volt AC circuits are protected by the breakers contained in the AC panel board. 120-volt AC circuits may be turned off by flipping breaker to indicate “OFF.” The circuits may be turned on or reset by flipping breaker to indicate “ON.”

GFCI

Each motorhome has a Ground Fault Current Interrupter (GFCI) breaker built into the unit. This breaker has been designed to reduce the possible injury caused by electric shock.

An example of ground fault current is the current which would flow through a person who is using or touching an appliance with faulty insulation and, at the same time, is in contact with an electrical ground such as a plumbing fixture, wet floor or earth.

This GFCI breaker will not protect against short circuits or overloads. The circuit breaker or fuse in the electrical panel, which supplies power to the circuit, provides this protection.

When the GFCI breaker is tripped, it has interrupted ground fault current caused by such things as faulty insulation or wet wiring inside an appliance or equipment connected to the circuit. The faulty equipment should be repaired before it is used again.

This breaker should be tested monthly while the camper is being used. See the manufacturer’s owner’s manual for more instructions.

Consumption of 120-Volt Energy

As owners desire and purchase more convenience appliances, remember that your motorhome has a maximum of 30 amps of incoming power. Keep in mind that each appliance, when used in conjunction with each other, places an added draw on your 30-amp system. You may periodically trip a circuit breaker if you exceed the 30-amp capabilities.

Increasing the size of your circuit breakers to accommodate additional appliances is **NOT** an option.

WARNING: Do not replace breakers or fuses with any rated at a higher amperage. Over fusing may cause a fire by over heating the wire.

Fig. 4-19 shows the distribution through each circuit.

A main breaker is always the maximum 30-amps incoming power and is located on the left side.

Access to these panels is located behind hinged door on the power center.

120-VOLT AC

- A – Converter/Utility
- B – Air Conditioner
- C – Kitchen, Bath, Outside
- D – Microwave
- E – Electric Water Heater (option)

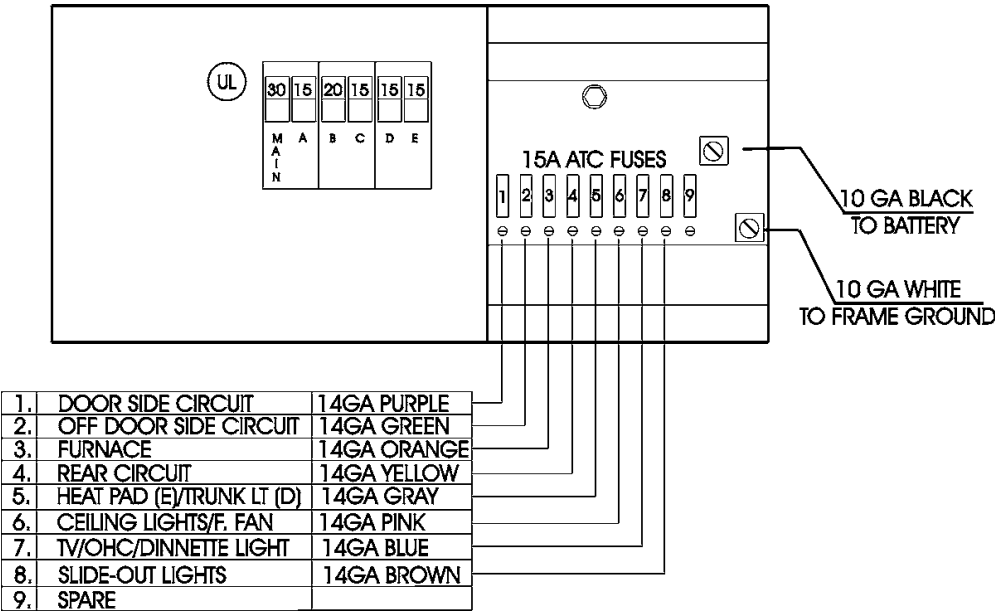


Fig. 4-19

12-VOLT DC

Note terminals 1 through 4 are NOT designated in each motorhome at present point and may vary between motorhomes. Terminals 5 and 6 are pre-designated in all motorhomes. Terminals 7 through 9 are true DC lines, such as #7 is assigned to TV antenna use. Terminals #8 and #9 are open.

CAUTION: Your recreation vehicle has many 12-volt DC loads. When combined, their total is more power consumption than the power converter can produce. Periodic overloads can be handled with an auxiliary battery for limited periods of time. Prolonged overload on a converter will shorten the life of its components. It is recommended to plan and conserve the usage of your 12-volt DC system in a priority method.

12-Volt DC (Direct Current) System

NOTE: Mini-motorhome master battery switch **MUST** be on before any 12 volt device will operate.

Included in your load center is a converter which transforms 120-volt AC energy into 12-volt DC energy to supply your motorhome. When 120-volt AC power is supplied to the power center through the main circuit breaker in “ON” position, the converter will produce 12-volt DC power to motorhome as long as the auxiliary battery is properly connected.

Electric components are sensitive to heat and a converter will produce heat. Ventilation is required for proper operation. Also, a fan is built into the converter to assist air movement and temperature control. If normal ventilation is obstructed and the fan is not able to control the temperature, a protective “Thermal Breaker” will trip the 120-volt AC power to the converter. After the compartment cools down, the breaker will reset automatically and 12-volt power will be restored through the converter.

Replaceable fuses are used to protect the 12-volt components. Blowing fuses continuously indicates the overloading of a circuit or a “shorted circuit.” Should fuses continue to blow, contact your RV dealer for assistance.

A separate 12-volt fuse panel supplies power to your chassis. See chassis manual for assistance.

When 120 volt power is supplied to the converter through direct connection at the campsite, the converter will supply 12 volt DC power to the auxiliary battery automatically.

The auxiliary battery will also receive a charge from alternator when traveling.

Batteries, Chassis and Auxiliary

Each motorhome chassis is built with a battery to provide energy to start the engine and supply energy for other components in the chassis. This battery is located under the hood. Ford Motor Co. uses a “Motorcraft” battery, serviced and warranted by Ford.

An auxiliary battery is included in each motorhome for storage power when 120-volt energy is not available. When drawing energy from storage battery, remember there is limited power available until the battery needs to be recharged. This auxiliary battery is located in the “house portion” of your motorhome.

All auxiliary batteries require an “in-line” fuse or a 12-volt breaker placed within 18" of battery for your protection.

Maintenance is a normal requirement on all batteries for maximum performance.

1. Keep all terminals clean and tight.
2. Keep the battery filled with water as cells without water cannot hold a charge of energy. A battery used in daily operation will consume water.
3. The charging system must be in good operating condition to maintain your battery.

Preparation of battery(ies) for winter storage must be carefully considered, especially the auxiliary battery. Components attached to either battery will discharge the battery in one to three months. Discharged batteries are subject to freezing, breaking and permanent damage. If you are storing your motorhome for an extended period, it is important to charge the battery(ies) every thirty days to maintain a charged condition at 1.265 specific gravity. Disconnect and/or remove the auxiliary battery to prevent minor amp draw. If removed, store the battery in a cool, dry place and maintain charge. The positive cable must be protected from contacting metal surfaces.

WARNING: If you replace or unhook your battery, ensure that the wires are connected properly: Positive–Black; Negative–White.

Isolators

When an auxiliary or “house” battery is installed in a recreation vehicle, it’s the nature of parallel circuitry to draw energy from both batteries. A device called an “isolator” must be installed for two purposes. First it receives current from the alternator and controls distribution of energy to house and chassis batteries. Secondly, it serves as a check valve to prevent energy from being drawn from the tow vehicle chassis battery. Energy in the tow vehicle battery is now preserved to start your engine.

The Ford chassis has a solenoid located on the cowl of chassis under the hood.

Master Battery Switch

Located near the mini-motorhome entrance door there is a master battery switch enclosed behind a smoke glass door with the other controls. This master battery switch controls all 12 volt power supplied to the “house portion” of the motorhome. This switch must be “ON” before any electrical current will be supplied to the appliances, outlets, and lights. During storage of your mini-motorhome, it is important to have this switch in the “OFF” position.

NOTE: Make sure the master battery switch is in the “OFF position during storage of the motorhome to avoid draining current from the battery.

Interior 12-Volt Components

Fig. 4-20 shows a drawing of the 12-volt DC distribution center of circuits. Your interior lights, furnace and other components will operate from terminals 1–4.

Auxiliary Start System

Your motorhome can momentarily connect both batteries should the chassis battery become discharged for some reason. Press the button on the dash, located on the left side of the steering column, and hold. Now use the ignition switch to start the engine. Release the button after the engine has started.

Dome Lights for Cab

These lights are wired directly to the chassis wiring. Operation for these lights is the headlight switch or the button switches located in the driver and passenger doors.

Exterior Lights

Signal, backup, clearance and tail lights are attached to the wire harness supplied by the chassis manufacturer as listed below. All exterior lights operate through the chassis fuse panel. These fuses as listed in your chassis manual.

Wiring Code

Ford

RV	Chassis
Green.....	Brown/White
Orange.....	Yellow
Brown	Dark Green
Yellow	Blk-Light Green
White	White
Black	to 12v Breaker
CONNECTED AT: Left hand frame rail at rear	

*Front clearance lights are hooked to a gray plug at the drivers side door post with brown wire. The white wire is grounded to the chassis frame at the step well.

Fuse Chart

All exterior light fuses are located in the chassis fuse block, located under the dash near the emergency brake pedal. The fuse chart below is for interior items built into the house portion of the unit by the recreation vehicle manufacturer. Some items are optional as listed.

CAUTION: DO NOT install any replacement fuse with a higher rating than specified below.

ITEM	AMP SIZE	TYPE	APPLICATION	LOCATION
Remote Mirrors	1	Glass	Option	In line under dash
Heated Holding Tanks	15	Blade	Option	In motorhome fuse panel #5
Radio	3	Blade	Option	Behind radio

Mini Motorhome DC Fuse Panel Layout

(9 position – USA & CSA)

CIRCUIT NUMBER	FUSE SIZE	DESIGNATION	WIRE SIZE
1	15	Door Side Circuit	14 Gauge
2	15	Off Door Side Circuit	14 Gauge
3	15	Furnace	14 Gauge
4	15	Rear Circuit	14 Gauge
5	15	Heat Pad (E)/Trunk Lights (D)	14 Gauge
6	15	Ceiling Lights	14 Gauge
7	15	Television	14 Gauge
8	15	Main Slideout Lights	14 Gauge
9	15		14 Gauge

Light Bulb Chart

	BULB #
Tail Light	1157
Turn Signal	1157
Backup	1156
Porch Light, Power Hood Light	912
Interior Light	921
Clearance Light	194
Refrigerator (900 series only)	168

Generator (Option)

This generator will produce 120-volt power when camping in an area where shore power is not available. An automatic transfer switch is located within the load center and will not require any manual operation.

The generator will start from auxiliary battery power and draw fuel from the chassis supplied fuel tank. When the fuel tank drops to ¼ tank the generator will shut off to keep the unit from being stranded. See manufacturer supplied manual for additional information on the generator.

CHAPTER 5

APPLIANCES

GENERAL

All appliances in your Jayco RV are name brand quality built equipment, guided by current code and standards. Appliances are designed to operate using LP gas only, not on natural gas.

Included with each motorhome are specific operation manuals, written and published by the manufacturer for each appliance. Refer to the manufacturer's owners manuals for additional information not covered in this manual.

FURNACE

The furnace requires both 12-volt and LP gas energy for full operation. The combustion system is fully sealed. Oxygen is drawn from outside through the center port of the vent by the fan motor. After burning fuel, the carbon monoxide exhaust is expelled into open air through the outer port of the vent. This vent is NOT to be altered or obstructed in any manner to ensure your personal safety.

In order for the furnace to operate, a fully charged 12-volt battery or 120-volt power through converter must be available.

Listed below are instructions for furnace operation. Additional instructions may be found in manuals that are supplied by the manufacturers of the furnace.

Two types of thermostats are used in motorhomes. Thermostats are generally installed on an inner wall of a cabinet.

The thermostat in Fig. 5-1 is used for motorhomes which DO NOT have central air conditioning. The furnace is D.S.I. (direct spark ignition) in operation and all functions will be performed at the thermostat.

The thermostat in Fig. 5-2 is used in motorhomes with a central air conditioning system. The furnace will operate by moving the switch to "heat" position on the system side control. The furnace has it's own fan. No movement is needed on the "fan" side.

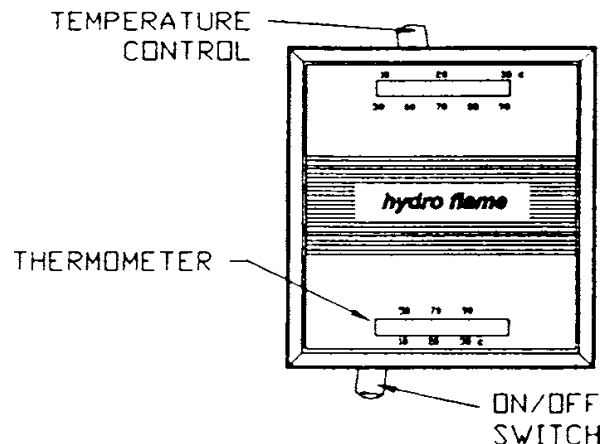
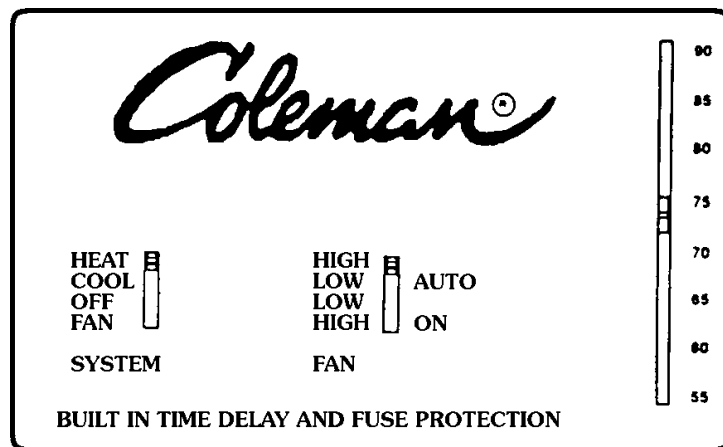


Fig. 5-1

Fig. 5-2



For Your Safety Read Before Operating

WARNING: If these instructions are not followed precisely, a fire or explosion may result causing property damage, personal injury or loss of life.

- A. This appliance does not have a pilot light. It is equipped with an ignition device that automatically lights the burner. Do not try to light the burner by hand.
- B. Prior to operation, smell the area around the appliances to ensure that gas has not settled on the floor.
- C. WHAT TO DO IF YOU SMELL GAS
 - Evacuate all persons from the vehicle.
 - Shut off the gas supply at the gas container or source.
 - Do not touch any electrical switch or use phone or radio in the vehicle.
 - Do not start the vehicle's engine or electric generator.
 - Contact the nearest gas supplier or qualified service technician for repairs.
 - If you cannot reach a gas supplier or qualified service technician, contact the nearest fire department.
 - Do not turn on the gas supply until the gas leak(s) has been repaired.
- D. Use only your hand to turn a gas control valve. Never use tools. If the valve will not turn by hand, do not try to repair it. Call a qualified service technician. Using force may result in a fire or explosion.
- E. Do not use the appliance if any part has become wet. Immediately call a qualified service technician to inspect and replace any part of the control system and gas control which has been under water.

Operating Instructions

1. STOP! Read the safety information above.
2. Set the thermostat to lowest setting.
3. Turn off all electric power to the appliance.
4. This appliance is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.
5. Open the control access panel (Outer Door Assembly).
6. Turn the valve power switch to "OFF."

7. Wait five minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, **STOP!** Follow “C” in the safety information. If you do not smell gas, go to the next step.
8. Turn the valve power switch on to the valve.
9. Close the access panel (Outer Door Assembly).
10. Turn on all electric power to the appliance.
11. Set the thermostat to desired setting.
12. If the appliance will not operate, follow the instructions **TO TURN OFF GAS TO APPLIANCE** (below) and call your service technician or gas supplier.

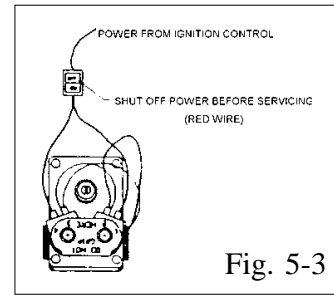


Fig. 5-3

To Turn Off Gas to Appliance

1. Set the thermostat to lowest setting.
2. Turn off all electric power to the appliance if service is to be performed.
3. Open the access panel (Outer Door Assembly) to turn off the electric switch.
4. Close the control access panel (Outer Door Assembly).

Annual Preventative Maintenance Inspection

The following preventive maintenance and safety checks should be performed by a qualified technician once a year, or more, depending on the use of the furnace. **Failure to properly maintain the furnace may void the furnace warranty and can result in unsafe furnace operation. Preventive maintenance is NOT covered under the warranty. Power should be disconnected before servicing.**

Gas Pressure – Using a U-tube manometer, with the furnace and all of the appliances operating, the pressure should be eleven inches W.C. Improper gas pressure can cause the furnace to work inconsistently and create unbalanced combustion.

Voltage – Voltage should be between 10.5 and 13.5 volts DC at the furnace during operation. The power at the furnace needs to be checked with each of the following power sources when applicable: generator, battery, and converter. Low voltage can cause the furnace to overheat and cycle. High voltage can cause unbalanced combustion, and excessive motor wear.

Note: To increase motor life, the furnace should be wired directly to the battery.

Ducting and Return Air

All heat discharges, registers and return air grills must be free and clear of obstructions. Obstructions will prevent the furnace from performing correctly. This includes all closable registers that are intended to reduce air flow, not shut it off completely.

For complete operation of furnace, see the operation manual supplied and published by the manufacturer of this furnace.

RANGE AND OVEN OPERATION

Warning: Personal Injury Hazard

- **Do not touch top burners, burner grates or other areas near top burners. These areas become hot enough to cause burns. During and after use, do not let clothing or other flammable materials contact top burners or areas near top burners until they have had sufficient time to cool.**
- **Ensure that pans used are large enough to contain food and avoid boil-overs. Heavy splattering or spills left on the cooktop can ignite and cause burns.**
- **Ensure that glass cookware is safe for use on the top burners. Only certain types of glass cookware is suitable for surface or top burner use.**
- **Never leave top burners unattended.**
- **Turn pan handles inward, but not over other top burners. This will reduce the chance of burns.**
- **Grease is flammable. Never allow grease to collect around top burners or on cooktop surface. Wipe spills up immediately.**
- **Do not use water on grease fires. Never pick up a flaming pan. Smother a flaming pan with a tight-fitting lid or cookie sheet. Flaming grease outside of the pan can be extinguished with baking soda or a multipurpose dry chemical or foam-type fire extinguisher.**

To light the top burners on the range and cooktop models equipped with spark ignition:

- a. Turn the appropriate burner knob counterclockwise to “ON” or “LITE/HI.” Do not attempt to light more than one burner at a time.
- b. On three burner models, turn the “SPARK” knob clockwise one click. If the burner fails to light, continue turning the “SPARK” knob clockwise until the burner lights.
- c. On four burner models, wait approximately seven seconds after turning the burner knob to “ON”; press the “SPARK” button once to light the burner. If the burner fails to light, continue pressing the “SPARK” button until the burner lights.
- d. To extinguish the top burner flame, turn the appropriate burner knob clockwise to “OFF.”

Warning: Burn, Fire and Explosion Hazard

- **Use care when lighting a top burner by hand. If the burner lights unexpectedly, or your hand is close to the burner, you may be burned.**
- **If any burner should extinguish (after initially lighting or due to accidental blow-out) turn gas supply off and WAIT FIVE MINUTES before again attempting to light the burner. Failure to follow these instructions may result in a fire or explosion.**

WARNING: Personal Injury Hazard

- **Do not touch or allow clothing or flammable material to come in contact with the inner or outer surfaces of the oven or the oven vent while it is in use. These areas all are hot enough to cause burns. Allow sufficient time for them to cool.**
- **Do not cover the oven vent openings while the oven is in operation. Restricting the flow of combustion air will create an asphyxiation hazard.**

OVEN OPERATION

Step 1 – To Light the Oven Pilot

- a. Push in oven control knob and rotate counterclockwise to “PILOT ON”.
- b. Light oven pilot located near the back of the oven, under the broiler shelf and to the left of the oven burner.
- c. Set the oven control knob to “PILOT ON” to maintain pilot flame. The oven and broiler are now ready for operation; see Step 2 before proceeding. The oven pilot has been factory set and requires no further adjustment.
- d. To extinguish the oven pilot, push in the oven control knob and rotate clockwise to “OFF.” Extinguish all pilots when refueling or traveling.

Step 2 – To Light the Oven Burner

- a. Light the oven pilot as described in Step 1.
- b. With the oven control knob set to “PILOT ON,” rotate the knob counterclockwise to the desired temperature setting or to “BROIL.” The oven will pre-heat the oven before use.
- c. The oven is equipped with a safety ignition system that requires a minimum of thirty seconds to operate after turning the oven control “ON.” This delay is normal.
- d. To extinguish the oven burner, rotate the knob clockwise to “PILOT ON.” The oven pilot will remain lit.
- e. For complete shutdown, rotate the knob clockwise to “OFF.”

To Use the Broiler

- a. Light the oven pilot as described above.
- b. Rotate the oven control knob counterclockwise to “BROIL.”
- c. Center the broiler pan under the broiler flame.
- d. Move and turn the food over frequently to ensure even browning and cooking.

WATER HEATER

Several options are available in the water heater appliances. (1.) 6 or 10 gallon capacities, depending on floor plan. (2.) Three types of energy, LP gas only, LP gas and 120-volt combination, and 12-volt/LP gas combination with 110-volt. Water temperature is adjustable on pilot and 120-volt models, but not on combination unit.

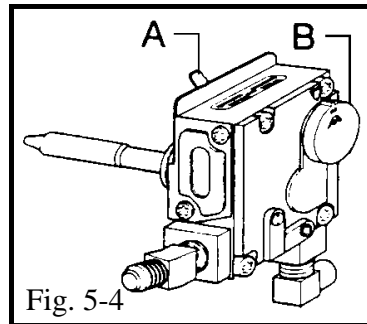
Pilot Operation

CAUTION: Do not tamper with the pilot orifice. High water temperature and failure of the gas control could result.

1. Turn lighting control (Fig. 5-4B or 5-5B) to “OFF” position.
2. Wait at least five minutes to allow gas which may have accumulated in burner compartment to escape.
3. Note that your water heater may have either a “White Rodgers” or Robertshaw “Unitrol” Control.

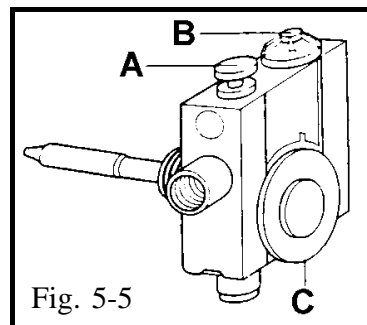
FOR “WHITE RODGERS” CONTROL (Fig. 5-4)

- a. Turn lighting control knob (Fig. 5-4A) to “pilot” position and hold against stop while lighting pilot burner (Fig. 5-4A)
- b. Allow pilot to burn approximately one half minute before releasing lighting control knob.
- c. Turn lighting control knob (Fig. 5-4A) to “ON” position.
- d. If pilot does not remain lit, repeat operation allowing longer period before releasing lighting control knob.
- e. Set the temperature selection lever (Fig. 5-4A) at the mark between the warm and hot position.
- f. Close access door.



FOR A ROBERTSHAW “UNITROL” (Fig. 5-5)

- a. Turn lighting control dial (Fig. 5-5B) to “pilot” position.
 - b. Depress and hold reset push button (Fig. 5-5A) while lighting pilot burner (Fig. 5-6D).
 - c. Allow pilot to burn for one half minute before releasing reset push button.
 - d. If pilot does not remain lit, repeat operation allowing longer period before releasing reset push button.
 - e. Turn lighting control dial (Fig. 5-5B) to “ON” position.
 - f. Set the temperature control dial (Fig. 5-5C) at the midpoint position between warm and hot.
 - g. Close access door.
4. For complete shut down and before servicing, turn lighting control knob (Fig. 5-4B or 5-5B) to “OFF” position.

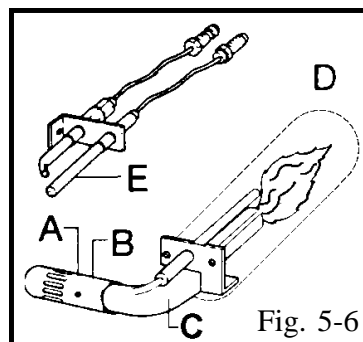


CAUTION: Setting the temperature control dial at a higher position will produce water that is hotter, increasing the risk scalding.

The temperature knob or lever is factory adjusted to its lowest dial setting. It is recommended that the midpoint position between warm and hot be used. This will provide for energy efficient operation and sufficient hot water. Valves for reducing point of use temperature by mixing cold and hot water are available. Consult a licensed plumber or your local plumbing authority.

To adjust Main Burner (Fig. 5-6):

1. Loosen air shutter screw (Fig. 5-6A).
2. Slide air shutter (Fig. 5-6B) to the right until a small amount of yellow color appears in the main burner flame.
3. Move air shutter (Fig. 5-6B) to left until yellow disappears.
4. Retighten air shutter screw (Fig. 5-6A).



Electric Ignition Operation

1. Refer to Wiring Diagram in the manufacturer's manual. Place remote switch in the "ON" position.
2. If remote switch light stays on longer than fifteen seconds, place remote switch in the "OFF" position and wait five minutes.
3. Repeat step one of adjusting main burner.
4. For complete shut-down and prior to servicing:
 - a. Place remote switch in the "OFF" position.
 - b. Remove red wire from left hand terminal of ECO switch (ECO to valve).
5. If heater fails to operate due to high water temperature, the heater will go into a lockout condition (indicator light on). When water cools, reset by placing switch in the "OFF" position for at least thirty seconds, then return to "ON" position.
6. If a lockout condition persists contact your dealer, an Atwood service station or Atwood service department.

Pilot Re-ignite Operation

1. Turn the switch located on the spark module to the "ON" position.
2. Read Pilot Operation Instructions.

WARNING: The pilot relight module and thermostat lighting control knob must both be in the "OFF" position when refueling the LP tank or gasoline tank. Fire and/or explosion could result.

3. For complete shut down, turn lighting control knob on thermostat and spark module switch to the "OFF" position.

Electric Operation

1. For gas operation refer to Pilot Operation or Electronic Ignition Operation section.
2. For electrical operation, use the switch inside the mini-motorhome in the utility panel.
3. Completely fill tank with water.
4. Turn switch (Fig. 5-7) located in the mini-motorhome to the “ON” position.

NOTE: Turning the power on in the heater with little or no water covering the heating element may burn out the element and void the warranty.

5. Check for proper operation. Water temperature should be approximately 140°F (60°C).
6. If the manual reset high temperature limit switch should operate, reset the switch (Fig. 5-8) by depressing the button. Use a pencil or other nonmetallic object to depress the reset button. If the malfunction repeats, contact an authorized Atwood Service Center or Atwood Service Department.

When cold water is heated in the tank, the pressure will rise. For this reason, a relief valve (Fig. 5-9) is required for safety in all water heaters, rated at 125° (52° C). It is normal for this valve to release a small quantity of water during the heating cycle. Opening a faucet on the hot side will release pressure reducing relief valve dripping.



Fig. 5-7

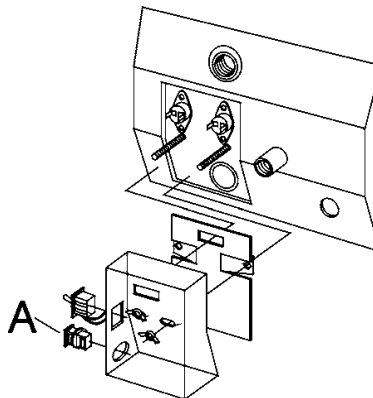


Fig. 5-8

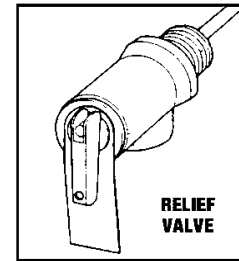


Fig. 5-9

Flushing Instructions

The Atwood water heater is recommended for recreation vehicle use. If your RV is used frequently, or taken to different areas that use various types of water, it is recommended that the water heater be flushed periodically throughout the year to prolong the life of the inner tank. The following procedure summarizes the steps necessary for flushing the water heater inner tank.

1. Turn off your main water supply (pump or water hook-up source).
2. Drain the water heater inner tank. Approximately two quarts of water will remain in the bottom of the tank. This water contains a great deal of the harmful corrosive material that has accumulated in the tank.
3. Flush tank with air pressure or fresh water to remove the remaining water.

Air Pressure: Air pressure may be applied through the inlet or outlet valve located on the rear of the tank or the relief valve located on the front of the unit. If the relief valve is used, remove the relief valve prior to flushing and insert air pressure through the relief valve support flange.

Fresh Water: Pump fresh water into tank with the assistance of an onboard or external water pressure. The water may also be hosed into the tank through the inlet or outlet valve located on the rear of the tank or the relief valve located on the front of the unit. If the relief valve is used, remove the relief valve prior to flushing and insert air pressure through the relief valve support flange. Continue this process for approximately five minutes, allowing ample time for the water to agitate the stagnant water on the bottom of the tank thus forcing the deposits through the drain opening.

4. Close the drain and relief valves.

REFRIGERATOR

This appliance in your Jayco recreation vehicle has been designed by its manufacturer to operate on 120-volt AC electric or on LP gas energy. Its performance depends on numerous factors such as energy, venting, leveling, humidity and atmosphere temperatures. It is best to cool the refrigerator for eight hours prior to loading it with food. The refrigerator is not intended for quick freezing or cooling. So be sure to load it with already frozen/cooled food. Air must be free to circulate within the fresh food compartment.

Do not cover the shelves with paper, plastic, etc.

Leveling

Comfortable vehicle leveling is well within the refrigerator's operating requirements of three degrees off level side-to-side and six degrees off level front-to-back (looking at the front of the refrigerator). Continued operation outside of these limits can result in irreparable damage to the cooling system.

Venting

For the refrigerator to operate correctly there are two vents that must be unrestricted in your motorhome. The first vent is located in the lower portion of the sidewall. It is a hinged or removable panel that allows access to service compartments on the refrigerator. The second vent is located in the roof of the motorhome, above the coils on the rear side of the refrigerator. Please note, birds have been known to build nests in this vent. It is advisable to retain the screen over the base to prevent this from occurring.

Moisture Reduction Heater

Your refrigerator is equipped with a heater that prevents moisture from forming on the center divider between the freezer and fresh food compartment doors. This heater is activated and deactivated when the refrigerator is turned "ON" and "OFF".

Defrosting and Cleaning

Your refrigerator is not frost free and will require periodic defrosting. To defrost, turn the refrigerator off. Empty the freezer and the fresh food compartments. Placing a pan of hot water in the freezer will reduce the defrosting time. Leave the drip tray under the cooling fins. After frost has melted, empty the drip tray and clean the refrigerator.

Add a small quantity of mild dish detergent to lukewarm water and wash the interior of the refrigerator. **Do NOT use abrasive cleaners; they can damage the interior surfaces of the refrigerator.** Rinsing both compartments in a solution of baking soda and water (one tablespoon of baking soda to one quart of water) will freshen the interiors and neutralize odors. Wipe the interior with a soft dry cloth to prevent water spots. Clean the door gaskets in the same manner as the refrigerator interior. This will help to prolong the life of the gaskets.

Door Seal

To maintain cooling efficiency and prevent excessive frost buildup, the doors must seal completely around the entire length of the door gasket. Frequent frost buildup or reduced cooling are indications of air leaks. To check for complete door sealing, lay a long strip of paper or a dollar bill across the flange, against which the gasket seals; then close the door. A frictional drag should be felt when withdrawing the paper. Repeat in several places all around the door. If the paper feels loose, the gasket is not sealing. Contact your dealer or service center.

CAUTION: Do not use undue force or jerking action when opening the refrigerator door. Air temperature differences can cause a partial vacuum within the cabinet requiring a firm but steady force to open the door. A sudden jerk could cause door damage or personal injury.

Battery Drain

As indicated, a 12-volt DC source is required for operation on gas to provide features of automatic ignition. The current draw is less than 500-milliamps. If the humidity heater is also energized, this adds 240-milliamps for a total less than 740-milliamps (.74 amps). This indicates that the drain on the battery is very low and has little effect on “battery run down” unless these switches are left on for long periods of time on a battery with no means of recharging.

During AC operation, 12-volt DC is required to operate the humidity heater, the light display, electronic thermostat, and interior light (when equipped).

On three way models the DC operation draws approximately 14.5-amps at 12-volts or 16-amps at 14-volts.

The DC voltage should be checked while operating in the DC mode. The voltage at the refrigerator should never drop below 11.5-volts.

Battery drain should also be considered during times when the refrigerator is stored, defrosted, or occasions when the door is left open. The humidity heater, if left on, draws 240-milliamps. Because of this small drain, the NORMAL-STORAGE-HIGH HUMIDITY switch should be set to the STORAGE position (see section of High Humidity Storage)

Except for DC operation (three-way models) it is evident that the 12-volt demand is quite low; nevertheless, the refrigerator should not be operated for long periods of time from a battery only, without a means of recharging through the alternator or converter.

Controls

CAUTION: Never allow water to be sprayed directly on electrical controls located behind the inlet vent door. Electrical damage or fires could result.

1. Be attentive when the outer surface is being hosed down to avoid wetting the refrigerator controls.
2. The user should be aware that 12-volts DC is required during all operating modes (AC, GAS, DC). A total of 12-volts is necessary to energize the humidity heater and the annunciator display.
3. This Norcold refrigerator is equipped with electronic ignition (no pilot flame). It provides automatic gas ignition on start up, automatic re-ignition in case of flame blowout and electrical signal to warn of flame failure (red X on annunciator panel).

900 SERIES INFORMATION

Refrigerator Controls and Operating Instructions

A 12-volt DC supply is required to maintain the refrigerator's operating control functions. The refrigerator receives its DC power from the vehicle's 12-volt system; either an auxiliary battery, a converter or the engine battery. The 12-volt DC system not only supplies power to the refrigerator, but to other DC components in the vehicle.

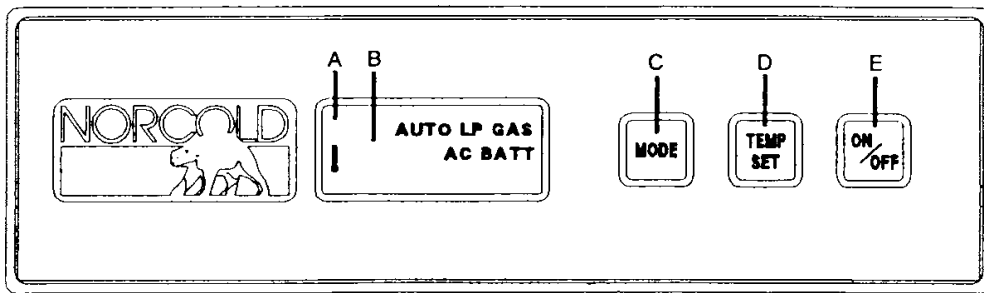


Fig. 5-9

The control panel, positioned between the freezer compartment and the fresh food compartment, conveniently locates all of the functionality needed by the owner. The window (B) of the control panel is equipped with a light which illuminates the LCD display. This light turns on when any button is pressed, and remains on for ten seconds after the button is released.

The ON/OFF button (E) turns the refrigerator ON or OFF. When the refrigerator is OFF, pressing this button will turn the refrigerator ON and set the mode to AUTO. When the refrigerator is ON, pressing this button for two seconds will turn the refrigerator OFF.

Pressing and holding the MODE button (C) allows the user to cycle through the four mode choices; one AUTO and three manual modes (AC, LP GAS, or BATT). The refrigerator will not switch to the new operating mode until the MODE button is released.

The TEMP SET (thermostat) button (D) controls the refrigerator and freezer temperature during both gas and electric operation, eliminating the need to reset each time a different energy source is selected. Press and hold the TEMP SET button to select the desired temperature setting. The temperature settings are shown in the form of a thermometer (A) in the display window, with the shortest thermometer reading indicating the coldest setting.

Auto Mode

When the AUTO mode is selected, the operating control automatically selects the energy source using the following priority scheme:

- When 120-volts AC is available to the refrigerator, AUTO AC will be visible in the display panel, indicating the refrigerator is operating on AC electric.
- If 120-volts AC is not available, the refrigerator will switch to the gas operation, and AUTO LP GAS will be visible in the display panel.
- When neither 120-volts AC nor LP gas are available, the refrigerator will switch to DC electric (3-way models only) and AUTO BATT will be visible in the display panel. DC electric operation is not as efficient as LP gas or AC electric operation, and should therefore be used only to maintain temperatures when the other modes are unavailable (for example; while in transit).

During operation in the AUTO mode, when a higher priority energy source becomes available, the operating controls will cease using the current energy source and will switch to the higher priority energy source. For example, if AC electric becomes available while the refrigerator is operating in the AUTO LP GAS mode, the refrigerator will switch to AUTO AC operation.

If an operating mode is not functional, a diagnostic code will appear and the refrigerator will attempt to operate in a lower energy priority source. If a lower energy priority source is not available, an alarm will sound and the refrigerator will cease operation.

Manual Mode

To operate in the MANUAL mode, press and hold the MODE button until AUTO disappears and the desired operating mode is displayed. If the energy source is interrupted while operating in the MANUAL mode, a diagnostic code will appear, an alarm will sound and the refrigerator will cease operation.

Auto and Manual Modes - Gas Operation Only

If the gas does not ignite within thirty seconds, which may occur on initial start-up, the refrigerator's gas valve will automatically close and the operating controls will select an alternate energy source (AUTO Mode) or; MANUAL Mode, will revert to a stand-by mode in which an alarm will sound and code A1 will be displayed in the center window. The alarm and code will remain on until the operating controls are turned OFF and then ON again. If the gas does not ignite after several attempts, check the input gas supply, or consult with your dealer or a Norcold authorized service center. A different mode of operation may be selected by pressing and holding the MODE button. The refrigerator will not switch to the new operating mode until the MODE button is released.

Backup Operating System (BOS)

Your refrigerator features a backup operating system which provides a means for the refrigerator to cool in the event of a failure within the refrigerator's operating controls. In the event this failure occurs, the refrigerator will display diagnostic code C5 and will switch automatically to the BOS mode. This mode provides refrigeration until the refrigerator is serviced. The fresh food and freezer compartment temperatures should be monitored to prevent over-freezing or thawing of refrigerator contents when operating in the BOS mode. If the refrigerator temperature is too cold, adjust the thermostat up (warmer) in one bar increments. If the refrigerator temperature is too warm, adjust the thermostat down (colder) in one bar increments. Allow the refrigerator to operate at the new setting for one hour before rechecking the freezer and fresh food compartment temperatures (frequent door opening prevents the temperatures from stabilizing). While the refrigerator can operate in this mode, Norcold recommends that you seek service as soon as possible to restore normal operation.

Diagnostic Codes

The refrigerator's operating controls are equipped with a diagnostic system which alerts the user to a problem in any mode of operation. When a problem occurs within a given mode, the operating controls will revert to a standby mode in which an alarm will sound and a diagnostic code will be displayed in the center control window. The alarm will sound until an alternate operating mode is selected.

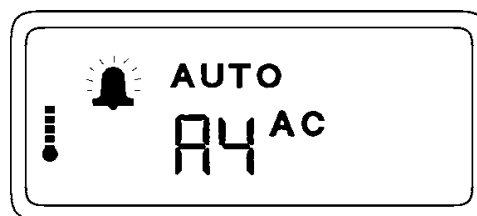


Fig. 5-10

The diagnostic code will continue to be displayed until the controls are turned OFF and then back ON. For code interpretation, see manuals written and published by manufacturer of your refrigerator.

MONITOR PANEL

This electronic control panel and information center is located inside the motorhome door at the end of the upper cabinet behind a smoke glass door. Information data and controls are at eye level for easy operation. Energy to operate the panel is 12-volt DC, supplied by the auxiliary battery and/or power center. The fuse is located in the power center also.

All operating functions are explained below:

1. **Pump** – press 2 position rocker switch to start/stop water pump.
2. **Heater** – press 2 position rocker switch to turn water heater 12-volt power on or off.
3. **Test** – Information center - press spring loaded switch to receive the following messages.
 - a. Volume of liquid in each listed tank.
 - b. Condition of battery, charge, good, fair, and low at 6 volts.

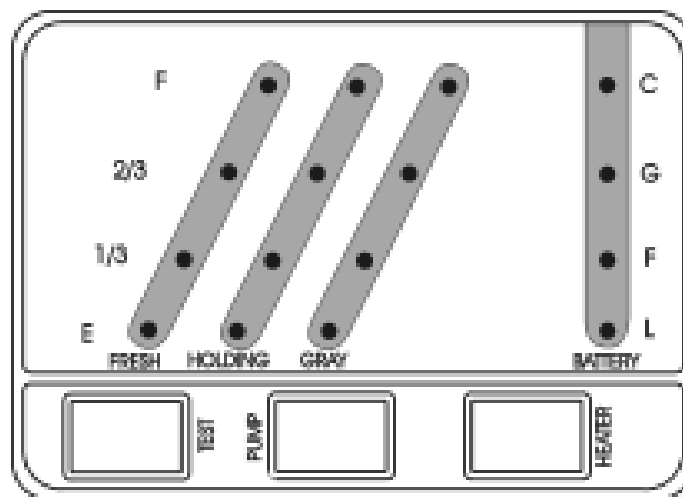


Fig. 5-11

Messages to the display board are received through sensors in the tanks, resistor assembly, and positive and negative wires to circuit board.

4. The hour meter for the generator will move .1 for each six minutes when generator is running.
5. Press the spring loaded switch to start the generator, similar to an ignition switch in the chassis.

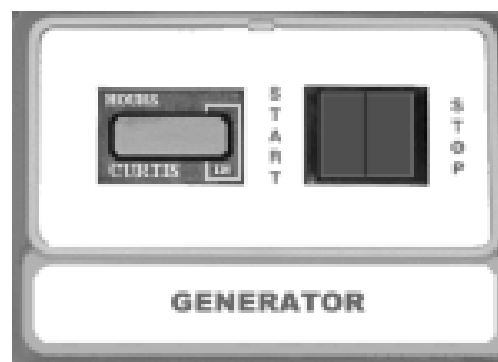


Fig. 5-12

BBQ GRILL (Option)

An option for your mini-motorhome is a BBQ Grill. This grill is for use outside of the mini-motorhome and comes with a bracket to attach to the side of the unit. The following list will supply basic operations for the grill. Be sure to read all instructions included with the grill.

1. Install the grill bracket on the side of the mini-motorhome mounting bracket. Make sure that it is securely in place.
2. Place the BBQ grill into the bracket. (Fig. 5-13)



Fig. 5-13

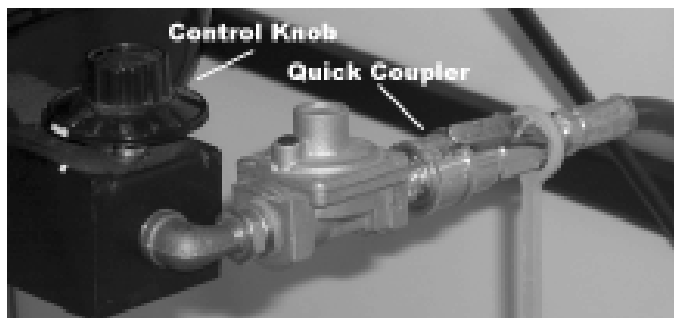


Fig. 5-14

3. Attach the fuel hose to the grill and the LP gas connection located under the mini-motorhome by using the "Quick-Coupler" instruction as follows (Fig. 5-14):
 - Place the handle in the "OFF" position and push back the sleeve. Valve handle must be in the "OFF" position to make the connection. (Fig. 5-15)
 - Insert the plug and release the sleeve. (Fig. 5-16)
 - Push plug until the sleeve snaps forward, locking the plug into the socket. (Fig. 5-16)
 - Turn handle to "ON" position to turn gas on. (Fig. 5-17)

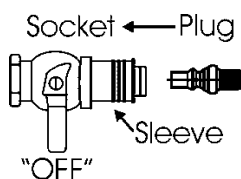


Fig. 5-15

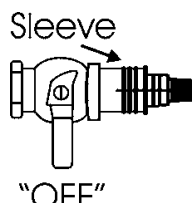


Fig. 5-16

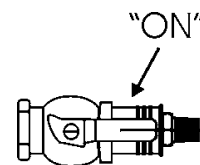


Fig. 5-17

4. Open the lid to the BBQ Grill.
5. Using an electric match, light the grill using the following procedures:
 - Light the electric match.
 - Insert it into the middle slot on the bottom of the BBQ Grill.
 - On the grill control knob (Fig. 5-14), depress and turn the knob to the desired temperature.
 - The grill should light at this point.
6. If the grill does not light, turn the gas off, wait five minutes and repeat the above steps.
7. Use the temperature control knob to adjust the grill to the desired temperature.

The BBQ Grill grate is coated with standard grill enamel and can be cleaned as you would a grill at home. Underneath the grate, there is a heat diffuser. This is formed and ventilated to distribute the heat from the burner. Do not use lava rocks in this grill.

To disconnect the BBQ grill, turn the temperature control to the “OFF” position. Reverse the above fuel hose hookup procedures. Wait until the grill is completely cooled, and then store it in the supplied carrying case. This carrying case will ONLY accommodate a cool grill. The grill carrying case has a pocket for accessories such as the fuel hose in the lid. The bracket will not fit inside the carrying case and will need to be stored in a separate location.

<p>CAUTION: The BBQ grill must be COMPLETELY cooled before storing to avoid damaging the carrying case.</p>
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CHAPTER 6

CARE AND MAINTENANCE

EXTERIOR

CAUTION: We do not recommend you take your recreation vehicle through automatic car washes and extreme caution should be used if utilizing any type of pressure sprayer around all attachments, doors, windows, appliance vents, etc. to avoid forcing water inside the unit, possibly damaging components.

Roof

Two different types of roof material are used on Jayco motorhomes; rubber EPDM or mill-finished aluminum. Both are laminated to the roof structure.

ALUMINUM

The roof is smooth mill-finished aluminum. To clean, use a mild detergent soap and water solution. Rinse well after washing.

RUBBER

To keep material looking its best, simply wash and clean with a sponge, water and nonabrasive common household detergent. For stubborn stains use stronger solvent such as Top Job[®], 409[®] or Xylene.[®] Do not allow the solvents to soak into the rubber material.

CAUTION: All roofs require maintenance. At least twice a year, inspect and reseal all seams: front and rear, around all vents, and along all moldings. If you notice any deterioration in the seal, scrape off any cracked, lifting or loose sealant and reseal the area. Contact your dealer for the appropriate sealant to use.

Fiberglass Sidewalls

Fiberglass walls are very durable and are easy to maintain. To keep them looking nice, wax and buff them once a year. Standard automotive cleaning soaps and waxes work well for general cleaning and maintenance. Special cleaners and waxes are available at automotive and RV stores.

Scratches and chips can be easily fixed by an experienced fiberglass repair shop. Any major damage should be repaired as soon as possible to prevent cracks from becoming larger.

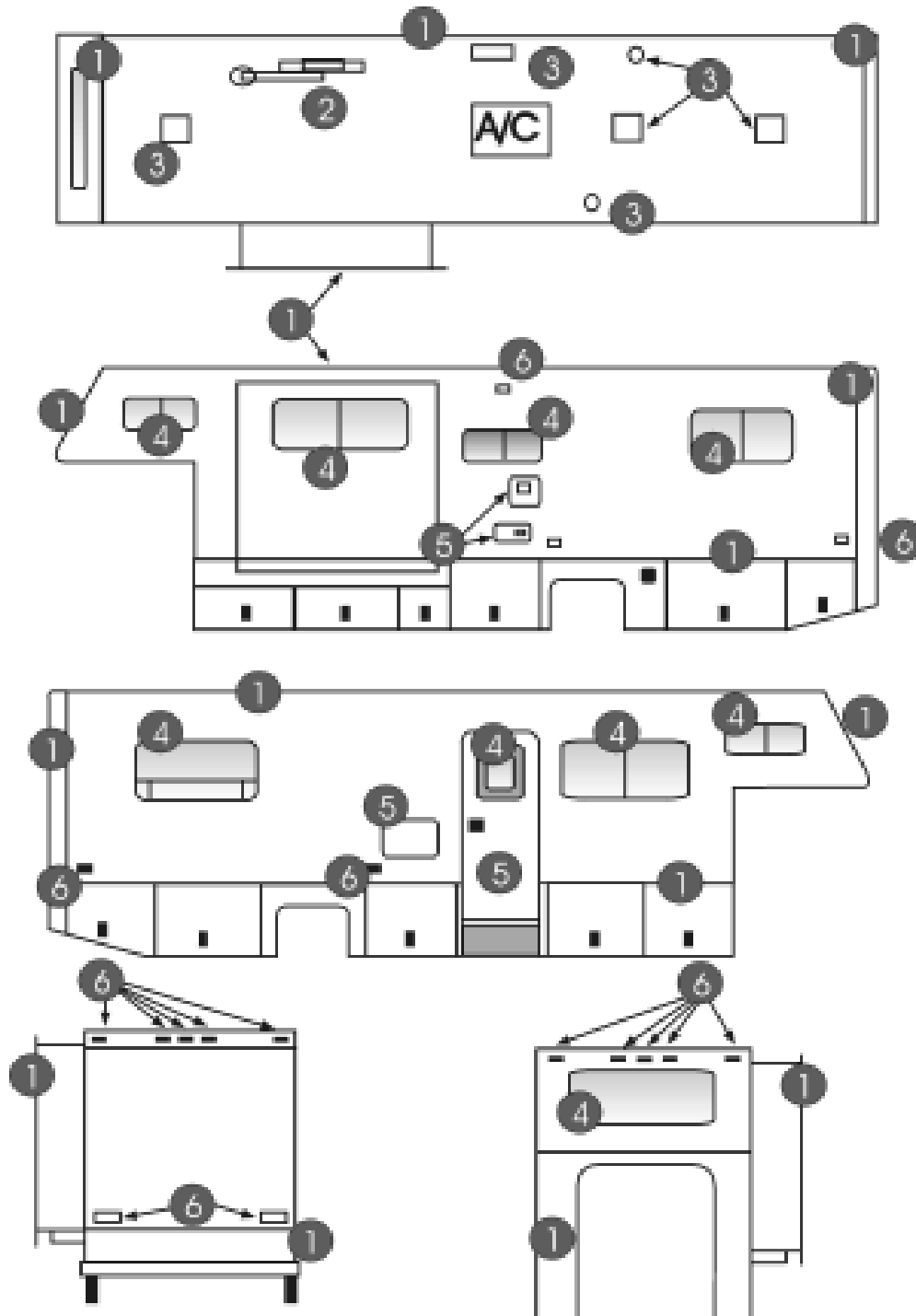
Doors, Extrusions, Windows & Vents

These components have putty tape between the component and the wall surface. Portions of these items may have a cap seal added as a secondary seal. **Inspect these seals at least once a year.** Both putty tape and cap seals can become damaged by U.V. exposure, air pollution, freezing temperatures and other exposure to the elements. If deteriorated, repair immediately to prevent damage. Cap seal all trim and openings at least once after the first year, and thereafter as cracks, peeling, lifting and shrinking occur.

Locks on entrance and baggage doors should be lubricated a minimum of two times each year. Conditions such as rain, salt, dust and pollution may increase the maintenance needs. Silicone lubricant is recommended.

INSPECTION POINTS FOR SEALING

The following diagram indicates the locations that need to be inspected semi-annually and resealed at least one time each year.



Chassis

Instructions for drive train and automotive chassis are included in the manual supplied by the chassis manufacturer.

A frame extension has been added to your motorhome chassis. You may wish to have an undercoating material applied to the frame extension to protect your investment from the effects of road grime, salts, and other corrosive materials. Contact your chassis manufacturer before applying undercoating to the chassis frame. Frames will rust much sooner in salt exposed areas than in dry air. Also, frames will receive heavy abuse from roads, such as sand, pebbles, objects on the highway, all of which will cause chipping and a blasting effect on the painted surface. For these reasons it will be necessary to inspect, clean and repaint the steel members to prevent excessive rust and insure a longer life of the frame.

INTERIOR CARE

Window Treatments

The window treatments of your recreation vehicle may include metal mini blinds, pleated shades, and/or drapes. Refer to the following guidelines for cleaning.

WINDOW TREATMENT	LIGHT CLEANING	EXTENSIVE CLEANING
Mini Blinds	Dust or Vacuum	May be removed and washed with a mild detergent and warm water
Pleated Shades	Vacuum	A professional dry cleaning service is recommended.
Privacy or cab Area Draperies	Vacuum	Professionally Dry Clean.

Shower Curtain and Liner

The shower curtain is made of a cotton or cotton/polyester material and should be dry cleaned. The shower curtain liner should be cleaned as you would clean your own shower curtain liner at home.

Furniture

To clean the sofa, dinette, J-Steel and chair cushion covers, frequently vacuum or lightly brush to remove dust and dirt. Vinyl can be wiped clean with a damp cloth.

Motorized vehicle fabrics are treated with a salt-based chemical making them fire retardant. All items treated with this chemical should be professionally dry cleaned. Spot cleaning is not recommended as the water may leave spots on the fabric.

Cushions

CAUTION: Do not dry clean vinyl components. Do not remove covers for drycleaning.
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If the cushions are dry cleaned, the vinyl on the reverse side of the cushion will shrink, become hard and crack. Vacuum the fabric and wipe the vinyl surfaces. The fabric side can be gently steam cleaned on the cushions or mats if necessary.

All dinette and bed mat covers are treated with stain protector. Vacuum the cover with a brush attachment periodically to remove dirt.

Paneling

The wall paneling in your new Jayco is a vinyl covered panel. If deep scratches occur, putty sticks can be used to cover scratches on wood surfaces. These can be obtained from hardware stores and lumber yards. For decor paneling, replacement vinyl covering can be purchased if repairs are needed. Contact your dealer's parts department.

To clean, use a mild solution of soap and lukewarm water with a soft sponge or cloth. DO NOT use abrasive cleaners. It may cause the vinyl to scratch and become dull. Grease spots and stubborn dirt can be cleaned with an all-purpose spray cleaner. DO NOT use cleaners that contain bleach.

Floor

To care for the vinyl floor covering, use a damp mop with water and a mild cleaner. DO NOT SOAK FLOORING. Use care to avoid wetting carpet edges.

Bathroom Tubs and Lavatory Sinks

The bathtub is made of ABS plastic material. Do not use abrasive cleaners as they may scratch surfaces. Use a mild detergent soap and water, Bon Ami or Bar Keeper's Friend to clean the tub surface.

For any type of repair work, see your authorized Jayco dealer.

Hardware and Sink or Shower Fixtures

Use mild dish soap and water to clean these fixtures. Never use harsh chemicals or sprays. A mild solution of vinegar and water works well to remove hard water spots and stains from the sink or shower fixtures.

Carpeting

If your motorhome contains carpeting, vacuum frequently. Professional steam cleaning for tough and deep stains is recommended. Use spot removers for minor spills. Always test carpet for colorfastness in an inconspicuous area before using any product.

NOTE: Avoid chemical cleaners. Do not permit cleaners to touch carpet or fabrics.

Countertops

Made of high-pressure laminate, the countertops are easy to keep clean. Glass rings, food spills, water spots and smudges usually wipe off with a damp sponge. Stains can be removed with a general-purpose spray cleaner. Stubborn stains can sometimes be removed by squeezing fresh lemon juice over the stain, allowing the juice to soak for approximately forty-five minutes, and then sprinkling baking soda over the lemon juice and rubbing the stain with a soft cloth.

MAINTENANCE CHECKLIST

Below is a list of suggested maintenance items to follow at specific intervals for optimum performance and operation of your Jayco RV. This list is meant to be a supplement to the maintenance items of the chassis manufacturer's owner's manual. Please add these items to your maintenance routine.

WARNING: It is important that you carefully read your chassis manufacturer's owner's manual maintenance items. The following list is only a supplement to that list. Failure to follow both lists could be detrimental to the proper operation of your recreation vehicle or cause failures which can cause property damage and personal injury.

Prior to First Trip

- £ Check LP gas lines for leaks.
- £ Test carbon monoxide detector (Generator/Generator Prep option only.)
- £ Test LP gas detector.
- £ Sanitize fresh water system.
- £ Open all windows and the door and start the furnace. Leave the windows and door open and the furnace on until all fumes fully dissipate.

Each Trip

- £ Test LP gas detector.
- £ Check RV battery water level. (If equipped with battery.)
- £ Check running lights.

Daily

- £ Recharge RV battery after each use.
- £ Ensure LP gas detector operation light is green in color.

Weekly

- £ Test LP gas detector.

Monthly

- £ Check fire extinguisher pressure. Do not test the extinguisher.
- £ Test the ground fault circuit interrupter (GFCI)

Every Three Months or 3,000 Miles

- £ Vacuum around LP Burner and pilot light areas.
- £ Compare water heater pilot flame with ideal flame. Refer to the water heater owner's manual for ideal flame. Clean and adjust as necessary.
- £ Compare refrigerator pilot flame with ideal flame. Refer to the refrigerator owner's manual for ideal flame. Clean and adjust as necessary. (RV type refrigerator only)
- £ Inspect refrigerator door seals.
- £ Inspect refrigerator combustion seals. (RV type refrigerator only)
- £ Check LP gas lines for leaks.

Every Three Months or 3,000 Miles (Continued)

- £ Inspect LP cylinders for rust pits, gouges, scrapes or sharp dents. Repaint cylinders if rust is present.
- £ Drain and sanitize fresh water system.
- £ Check, clean, tighten and lubricate battery cables.

Every Four Months or 4,000 Miles

- £ Flush out water heater tanks.

Every Six Months or 6,000 Miles

- £ Clean drains with approved drain cleaners.
- £ Check pipe connections for tightness. Tighten if necessary.
- £ Lubricate all moving parts on the entrance steps.
- £ Lubricate entrance and baggage door locks.
- £ Inspect wheels for cracks, dents or distortion.
- £ Inspect and reseal all sealant and putty tape.
- £ Lubricate the elevating gear on the television antenna.
- £ Lubricate the bearing surface between the rotating gear housing and the base plate on the television antenna.
- £ Lubricate the rubber quad ring on the elevating shaft located on the television antenna.

Every Year or 12,000 Miles

- £ Lubricate moving parts on the awning hardware. (Awning option only.)
- £ Manually operate the pressure-temperature control lever or dial to the lowest possible position on the water heater.
- £ Clean city water entry strainer.
- £ Check demand tank vent for obstructions.
- £ Check water pump connections and mountings for tightness.
- £ Vacuum the LP gas detector cover.
- £ Rotate Fluorescent tubes in the light fixtures.
- £ Clean absorption refrigerator flue. (RV type refrigerator only.)
- £ Replace battery on the carbon monoxide detector. (Generator/Generator Prep option only.)
- £ Have LP gas system inspected and serviced by a qualified technician.
- £ Inspect and seal corners at the threshold of the entrance door.
- £ Have the refrigerator inspected and serviced by a qualified technician.
- £ Have furnace inspected and serviced by a qualified technician.

Every Six Years

- £ Replace carbon monoxide detector (Generator/Generator Prep option only.)

CHAPTER 7

OPTIONS

Note: Each item listed in this chapter is an option as the motorhome is built by Jayco.

AIR CONDITIONER

Air conditioners may be installed by the Jayco factory or by your dealer. If you did not buy your motorhome with the optional air conditioner, one of your roof vents may be pre-wired for later installation. Your dealer can provide you with additional information concerning this.

There are a variety of air conditioners available. For specific instructions for the air conditioner, consult your dealer and the manufacturer's owner's manual.

Some models have Central Air Conditioning available. All cooled air is moved through a duct built into the roof and enters motorhome through a group of round registers.

Keep all registers open to insure full airflow. Closing the register(s) may cause the compressor to freeze, which could shut down the cooling process.

A special foam gasket is placed between the roof material and the sub-frame of the air conditioner to guard against water leakage.

An air conditioner is subjected to wind pressures along with motor vibration during normal operation. Annually inspect the mounting bolts for tightness to ensure there is no leakage or looseness. Retighten bolts when they are loose. DO NOT overtighten these bolts as it may damage the gasket.

To gain access to the bolts, remove the filtered panel cover on central air systems or the entire air box on non-central air conditioners.

GENERATOR

The function of a generator is to supply 120-volt AC power on a limited basis when extended power is not available.

An automatic transfer switch is located within the load center and does not require manual operation. The power to start generator comes from the auxiliary battery. A start/stop switch is located on a mounting plate with the generator. A second switch is installed on the monitor panel.

With the exception of simple items such as spark plugs and oil changes, all service work should be done by authorized service centers. Improper adjustments can damage the generator and electrical appliances, and can result in a safety hazard. An authorized service center has trained specialists who know how to keep your generator running safely and reliably.

ELECTRIC DOOR STEP

The electric door step opens automatically when the screen door is opened. The power is supplied by 12-volt DC arriving through a 30-amp breaker located in the engine bay. A yellow wire supplies power to the electric step.

CAUTION: When opening the door from the outside, ensure that you are not in the path of the step.

Due to external exposure, lubricate movement points on step as listed in the manufacturer's instruction manual.

Operating the Step

1. Turn on the mini-motorhome master battery switch.
2. After the installation is complete, with the entrance door open, turn the power switch ON.
3. Close the door. The step should retract and lock in the UP position.
4. Open the door. The step should extend and lock in the DOWN position with the under-step light and the step well lights activated.

NOTE: The under-step light is not available on all step models.

5. Turn the power switch OFF. The step should remain in the extended position with the under-step light off when the door is closed. Turning off the power with the step retracted will hold the step in a retracted position as well.
6. With the power switch OFF, the step extended, and the entrance door closed, turn on the vehicle ignition. The ignition override system will go into effect and the step will automatically retract.

WARNING: If the vehicle is driven with the step in the extended position, there is the possibility of causing major damage to both the step and the vehicle.

7. Turn the vehicle ignition off and open the door. The step will extend and lock in the DOWN position.

WARNING: If the door is opened and closed without allowing the step to fully extend and lock in the DOWN position, the step will retract and lock in the UP position. When the door is reopened, the step will not extend. The power switch must be turned on for the step to extend.

8. The LAST OUT feature is only operative the first time the door is opened after the vehicle ignition is turned off.

When the vehicle ignition is on, the step will always activate with the door movement, regardless of the switch position.

WARNING: BE SAFE, LOOK BEFORE YOU LEAP!

MICROWAVE OVEN / CONVECTION OVEN

The microwave oven or convection oven in the unit operate on the same principle as the microwave/convection in your kitchen at home. A separate owner's manual is provided with detailed instructions for its use.

HEATED HOLDING TANKS

With the heated tank option, a pad will be glued to the exterior bottom side of the holding tank. Heat is supplied by 12-volt DC power through the heating element built into the pad. Approximately 6-amps of energy per pad is consumed and fused through the 12-volt power supply board. Switches to turn heat pads on or off are located on an interior wall in or near the bathroom.

Power to heating pads should be turned off until:

1. Water is in the holding tank.
2. Temperature drops to 32° (0° C).
3. Motorhome is parked, setup and all attachments performed.

NOTE: Turn heat pads off when dumping and draining tanks.

An internal thermostat is built into components of the heat pad to assist in energy conservation.

RADIO

Separate instructions provided by the manufacturer of the radio should be in your motorhome. Due to several available options, always refer to those materials.

Power for the 12-volt radio is supplied by the auxiliary battery with fuse location in line behind radio, 3-amp capacity. ALWAYS turn off radio manually to avoid battery from being discharged. Also, inspect fuse in chassis clock under dash and 7.5-amp fuse providing energy for refrigerator.

POWER MIRRORS

A control panel is placed in the mounting panel of the mirror on the driver's side. The system is powered by 12-volt DC with fuse located under the dash, 1-amp in line.

To Operate:

1. Center switch is in the "OFF" position when you can observe both letters (R/L)
2. Move center tab to extreme right or left, viewing only one letter.
3. Power is now on.
4. Press any arrow in the direction you wish to move the mirror.
5. Place tab to center to turn switch off.

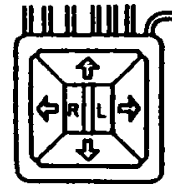


Fig. 7-1

HITCH

Your motorhome is designed to be a recreation vehicle, however it does have towing capabilities as well as limitations. A class 3 hitch receiver is available with a 3,500# (1588 kilograms) gross weight capacity, and meets the GCWR (Gross Combined Weight Rating). A variety of extender bars of different ratings are available. Remember the limit of weight on the hitch and chassis.

RV DIGITAL SATELLITE SYSTEM

The satellite system in the RV is similar to the satellite system in your home. Refer to the detailed instructions provided by the manufacturer for additional information.

SPARE TIRE CARRIER

The following procedures should be used for securing the spare tire in the travel position:

1. Put the steel hoist lift support located on the end of the cable through the rim of the tire. Clips need to seat inside of the hole.

The valve stem of the tire **MUST** be pointed in the down position or away from the bottom of the motorhome. (Fig. 7-2)

The hoist will not seat tire correctly if the valve stem is toward the bottom of the motorhome. (Fig. 7-3)

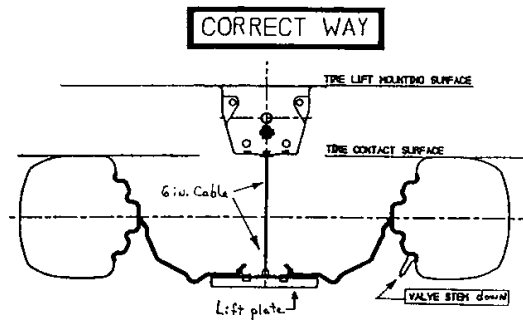


Fig. 7-2

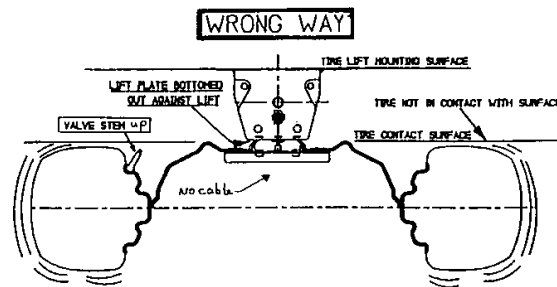


Fig. 7-3

2. Use the crank handle to lift the tire into the travel position. Two crisp breaks must be heard and felt to insure proper seating of the tire for travel.

Tire must contact surface to be in the travel position.

WARNING: DO NOT exceed the maximum load capacities of 100 lbs. for the hoist. DO NOT use air driven guns or impact wrenches to lift the tire into the travel position.

TELEVISION

The television is similar to the television in your home. Refer to the detailed instructions provided by the manufacturer for additional information.

Ensure the television is secured when traveling.

WARNING: For traveling safety, it is important to make sure the tie down straps are secured on all appliances such as the television, coffee maker, etc. Vibration caused during travel will move the appliances creating the potential for them to fall out of their cabinets possibly causing injury.

COFFEE MAKER

Refer to the separate owner's manual provided by the manufacturer.

EXTERIOR PRIVACY SHIELD

An optional privacy shield is available for the mini-motorhome. Use of the privacy shield will allow full access to the cab area from the inside while providing privacy inside the unit. This privacy shield hooks over the passenger and driver side doors and is notched out to accommodate the side mirrors. To secure the privacy shield in place, there are magnets sewn into the canvas for attaching it to the metal cab. The windshield wipers will also help to hold it in place.

OTHER OPTIONS

Auxiliary Start - See chapter 4 on Systems - Electrical
Outside Shower - See chapter 4 on Systems - Plumbing
Rubber Roof - See Chapter 6
Refrigerator with Ice Maker - See Chapter 5

MOTORIZED TRANSFERABLE WARRANTY

MOTORIZED TRANSFERABLE LIMITED WARRANTY

Mini-motorhome
Two year limited warranty (on Jayco manufactured parts)
Three year structural (on structure manufactured by Jayco)



SUMMARY OF WARRANTY:

Jayco warrants every motorized recreational vehicle to the first retail consumer and subsequent transferee, that all parts of our manufacture are free from substantial defects in material and workmanship. This Warranty only covers the body structure manufactured and assembled by Jayco, when used for its intended purpose of recreational travel and camping. The warranty period is two (2) years and three (3) years on the structure from the date of purchase, or a total of twenty four thousand (24,000) miles, whichever occurs first. This Warranty begins on the date the mini-motorhome is sold to the first retail consumer purchaser or, if the dealer prior to sale first places the vehicle in service, on the date the mini-motorhome is first placed in such service.

This warranty may be transferred to the second owner during the warranty period with proper application and a \$100 processing fee.

STRUCTURAL WARRANTY:

Jayco warrants the structure of the interior and exterior sidewalls, floor, roof, and frame to be free of material and manufacturing defects.

EXCLUSIONS:

This warranty does not apply to:

- (1) Items added or changed after the mini-motorhome left the possession of Jayco.
- (2) Any mini-motorhome used for any commercial purposes, or full time residential use.
- (3) Normal wear and usage, such as fading or discoloration of soft goods (upholstery, drapes, carpet, vinyl, screens, cushions, mattresses), fading or discoloration of exterior plastic or fiberglass components, tears, punctures, soiling, mildew, effects of moisture condensation inside the vehicle, or mishandling, neglect, abuse, misuse, lightning or other acts of nature, or corrosive atmospheres which can result in rusting, oxidation or pitting.
- (4) Minor imperfections, which do not affect the suitability of the mini-motorhome for its intended purpose of recreational use.
- (5) Normal and routine maintenance such as inspections, lubricating, adjustments, tightening of screws, tightening of lug nuts, sealing, rotating, cleaning, or damages arising from the failure to have maintenance performed as outlined in the owners manual.
- (6) Wheel alignment or adjustments when caused by improper maintenance, loading or damage from road hazards, including off road travel, wheel damage or balancing, or damage resulting from tire failures.
- (7) Costs incurred for transportation of the mini-motorhome to a dealer, or costs incurred as the result of the consumer's request to have repairs performed at a location other than an authorized dealership.
- (8) The chassis and any mechanical parts, including the engine, drive train, steering mechanisms, brake system, wheels, tires, lug nuts, muffler and any other parts assembled by the chassis manufacturer.
- (9) This Limited Warranty does not apply to or cover any component, which is warranted separately by its manufacturer. Examples are:

Tires, Wheels, Lug Nuts, Axles, Batteries, Microwave, Generator, Converter, VCR, Television, Refrigerator, Range, Water Heater, Furnace, Air Conditioner, Radio, Chassis and other items supplied by chassis manufacturer.

The written warranty that is provided by the component manufacturer is a direct responsibility of that manufacturer. Jayco, Inc. makes no warranty as to those components. Please refer to the written warranties issued by such component manufacturers for the terms and provisions of their written warranty undertakings. Warranty information with respect to these items is available from your dealer.

HOW TO OBTAIN WARRANTY SERVICE:

In the event that a defect in materials or workmanship is found to exist in body parts constructed by Jayco, Jayco will bear the cost of the repair or replacement of such defective materials or workmanship; Provided that the owner:

- (A) Notifies an authorized Jayco dealer or Jayco of the defect within 10 days; (If authorized service is not available in your area or other assistance is needed to obtain the benefit of this warranty, please call direct to Jayco 219-825-0670 and ask to speak with someone in the warranty department.)
- (B) Returns the vehicle to a dealer or factory service center promptly, as scheduled; and
- (C) Pays any freight or transportation costs, or import duties or fees involved.

No action as to enforce this warranty shall be commenced later than three (3) months after expiration of the warranty period.

NOTE: Jayco, in obtaining repairs, does not control the scheduling of service work at dealerships. You may encounter some delay in scheduling or completion of work.

PURCHASER'S OBLIGATIONS:

Purchaser shall deliver this mini-motorhome for warranty service within a reasonable time after discovery of the defect and in no event later than thirty (30) days after expiration of the warranty period. All incidental and consequential expenses incurred by Purchaser in obtaining warranty service shall be borne by Purchaser. No action to enforce this warranty shall be commenced later than three (3) months after expiration of the warranty period.

DISCLAIMER OF CONSEQUENTIAL AND INCIDENTAL DAMAGES:

You and any other user of Jayco products shall not be entitled to any consequential or incidental damages, including without limitation, loss of use of the unit, inconvenience, lodging, damage to personal property, alternate transportation, phone calls, meals, lost income or earnings. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

DISCLAIMER AND LIMITATION OF IMPLIED WARRANTIES:

Jayco does not authorize any person to create for it any other obligation or liability in connection with this vehicle. Any implied warranty of merchantability or fitness for a particular purpose applicable to this vehicle is limited in duration to the duration of this written warranty. The performance of repairs is the exclusive remedy under this written warranty or any implied warranty. Jayco shall not be liable for incidental or consequential damages resulting from breach of this written warranty or any implied warranty. Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

PARTS AND DESIGN CHANGES:

Jayco may make parts and design changes from time to time without notice and repairs or replacements may be made with new or different parts. Jayco reserves the right to make changes in the design or material or its products without incurring any obligation to incorporate such changes in any product previously manufactured.

WARRANTY REGISTRATIONS:

Your warranty registration records should be completed and delivered to the manufacturers of component parts. Your dealer should assist you in completing and submitting a delayed warranty start form for your chassis, which is included in your chassis paperwork. Your Jayco Dealer will assist you in filling out the Jayco product warranty registration form, which must be returned to Jayco within 10 days of you taking delivery of your Jayco product. Your Jayco warranty will not be registered unless this warranty registration is completed and mailed to Jayco. Failure to file this warranty registration can cause you delays in obtaining the benefits of your Jayco Limited Warranty.

All inquiries regarding this Warranty should be sent to:

JAYCO, INC.

903 South Main * P.O. Box 460 * Middlebury, IN 46540
Telephone: 219-825-0608

Litho U.S.A.

Revised 7/98

LIMITED WARRANTY TRANSFER APPLICATION



LIMITED WARRANTY TRANSFER APPLICATION

Mail the Jayco, Inc. Limited Warranty Transfer Application, along with transfer fee of \$100.00 payable to:

Jayco, Inc.
Warranty Dept.
P.O. Box 460
Middlebury, IN 46540

**PLEASE READ TERMS AND REPRESENTATIONS
PRIOR TO SIGNING.**

A DEALER INFORMATION

Name _____

Dealer Address 1 _____

Dealer Address 2 _____

Dealer Address 3 _____

City _____ State _____

Zip _____ Phone Number _____

Transfer Coverage From:

B PRIOR OWNER INFORMATION

First Name _____ Last Name _____

Vehicle Identification Number _____

Transfer Coverage To:

C NEW OWNER INFORMATION

First Name _____ Last Name _____

Owner Address 1 _____

Owner Address 2 _____

Owner Address 3 _____

City _____ State _____

Zip _____ Phone Number _____

_____ Date of Transfer _____ Odometer Reading at Transfer **MUST BE COMPLETED ON ALL MOTORIZED VEHICLES**

SUBJECT TO TERMS AND CONDITIONS LOCATED ON THE BACK OF THIS FORM

D SIGNATURES

New Owner's Signature _____ Selling Dealer's Signature _____

THE JAYCO, INC. LIMITED WARRANTIES MAY BE TRANSFERRED ONE (1) TIME DURING THE WARRANTY PERIOD WITH THIS APPLICATION AND A \$100 PROCESSING FEE. THE FOLDING CAMPER'S EXTENDED TRANSFERABLE LIMITED WARRANTY MAY BE TRANSFERRED ONE TIME WITHIN THE FIRST TWO (2) YEARS OF OWNERSHIP.

Terms and Representations

By signing your signature(s) on the face side of this form, and in order to induce Jayco, Inc. to transfer its Limited Warranty, you represent the following:

1. That you have received and read a copy of the Jayco Limited Warranty and Owner's Manual.
2. You understand that the unit is to be used only for recreational camping and travel.
3. That all information provided by you on the face side of this form is true and correct.
4. You understand that you are purchasing a pre-owned recreation vehicle and Jayco, Inc. does not make any representation as to its present condition.

WELCOME TO THE JAYCO FAMILY!

As the owner of a new Jayco recreational vehicle we are proud to welcome you to our growing family.

All Jayco RV homes are built with care, under the watchful eye of our Quality Assurance program. And it is our sincere wish that you will have a lifetime of fun times with your new Jayco.

We are pleased you chose Jayco and want to do everything possible to make sure you stay as happy with your Jayco RV home as you were on the day you bought it.

We work closely with Jayco dealers to provide customer service for you. We honestly feel that Jayco dealers are on the whole the best in the business. And with nearly 300 of them in the U.S. and Canada you should never be too far from help if you ever need it.



In the months and years to come we hope you'll become a close member of the Jayco family. One way to enjoy your Jayco even more is through our owners club – the Jafari International Travel Club. It's lots of fun and a great way to meet other members of the Jayco family. If you're interested please talk to your dealer about the "flight" in your area. Or write to us directly and we'll be in touch.

From Jayco's family to yours: "Welcome Home!"



903 South Main Street • P.O. Box 460 • Middlebury, IN 46540