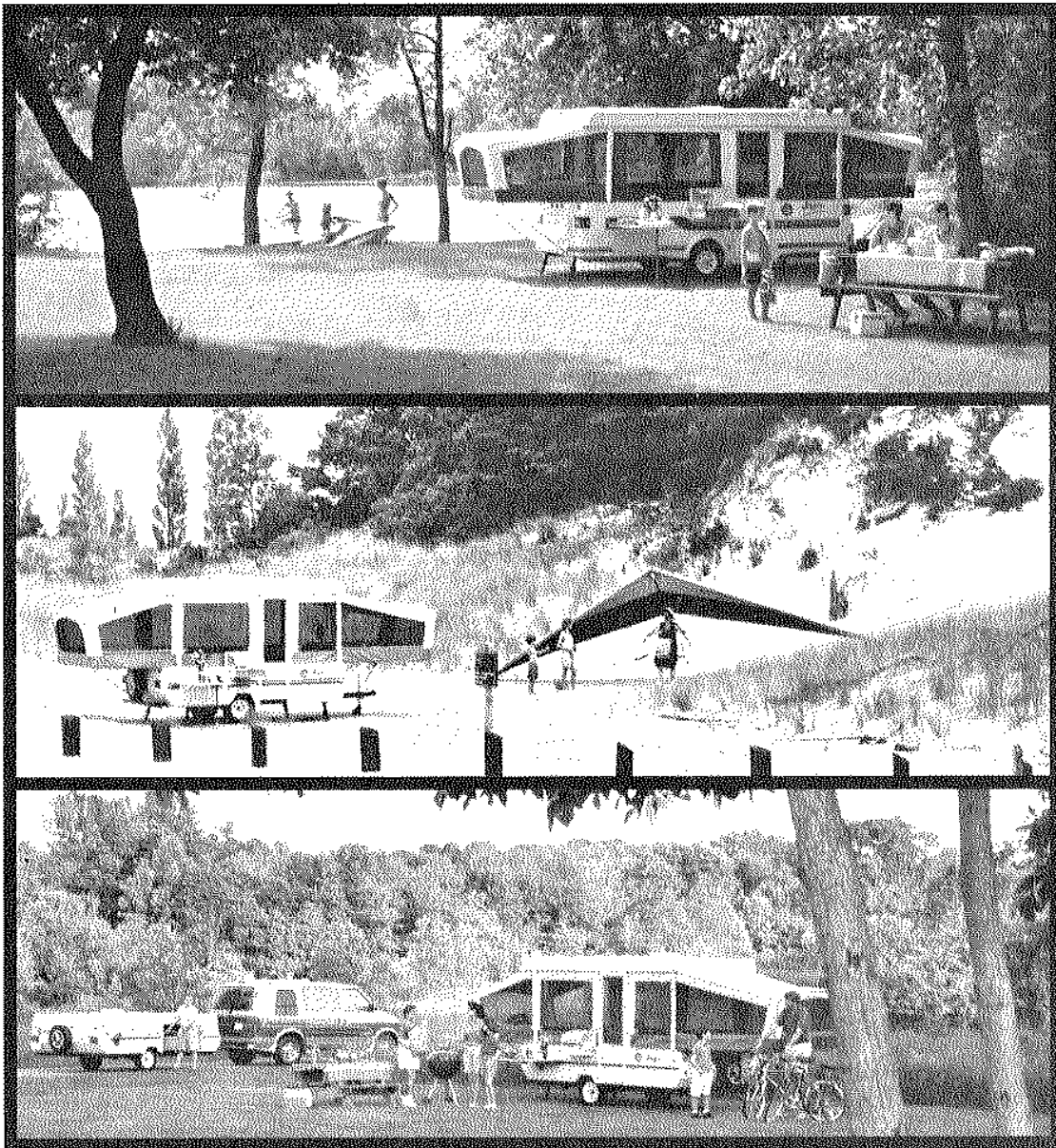




**Jayco®**

*Welcome Home*



**GUIDEBOOK TO YOUR  
JAYCO FOLD-DOWN**

## **Cunningham Campers, Inc.**

5201 Highway 62  
Jeffersonville, IN 47130

**1-812-284-0276 Option 3**



**Welcome to our Used Jayco Owners' Group**

***We Know Jayco Parts!***

As a group member you receive **10% OFF** any order for parts, not already on sale. Just call us **with your VIN #** and we will find what you need and ship it directly from Jayco to your front door.

Like Jayco, we are family owned and operated. Our courteous professionals are here to help make your shopping experience as pleasant as humanly possible.

# **1-812-284-0276**

## **Use Option 3 For Parts**

**<http://parts.cunninghamcampers.com/jaycoclub>**

**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 ABOUT OPERATION AND MAINTENANCE OF THIS VEHICLE AND ITS COMPONENTS. NOTHING IN THIS MANUAL CREATES ANY WARRANTY, EITHER EXPRESS 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 SOME COMPONENTS WHICH ARE OPTIONAL ON SOME VEHICLES. ALSO, THE OWNER SHOULD REFER TO INDIVIDUAL MANUFACTURER'S OPERATING INSTRUCTIONS CONTAINED IN THE OWNER'S PACKET AS INDICATED.

**CAUTION: READ ALL INSTRUCTIONS FOR  
PREPARING CAMPER BEFORE USING  
CAMPER.**

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](http://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)

# Table of Contents

## CHAPTER 1 - INTRODUCTION TO R.V. OWNERSHIP

WELCOME .....	1
SAFETY CONSIDERATIONS .....	2
Reporting Safety Defects .....	2
Safety in Using LP Gas .....	3
Electrical System Safety .....	4
Safety When Emergency Stopping .....	4
Additional Safety Considerations .....	4
INSURANCE .....	5
EXTENDED OR COLD WEATHER USE .....	5
CONDENSATION .....	6

## CHAPTER 2 - OBTAINING SERVICE

CUSTOMER DELIVERY FORM .....	7
SERVICE PROCEDURES .....	8
Basic Service Procedures .....	8
Dealer .....	8
Factory .....	9
Parts .....	9
Owner's Responsibility .....	9

## CHAPTER 3 - USE OF YOUR R.V.

HITCH HEIGHT .....	10
LOADING .....	10
CARGO CAPACITY .....	11
THE SAFETY CHAIN .....	12
WHEEL LUGS .....	13
TIRES .....	13
BRAKES .....	13
Backing Your Trailer (Hydraulic) .....	14
Brakes - Electrical (optional) .....	14
Automatic Break-Away Protection .....	15
Brake Maintenance & Lubrication .....	15
TOW VEHICLES .....	15
SET-UP .....	16
Opening Your Jayco Camper .....	16
Closing Camper for Travel .....	19
Easy Patent #345966 Crank-Up Lifter System .....	21
Canopy Set Up Instruction Sheet .....	22
Extra Poles (optional) .....	23
Rain Damage .....	23

## CHAPTER 4 - THE SYSTEMS

PLUMBING .....	24
Instructions for Sanitizing Potable Water Systems .....	24
FRESH WATER SYSTEM .....	24
DRAINAGE SYSTEM .....	25
WINTERIZATION .....	25
LP GAS SYSTEM .....	26
Installation Instruction .....	26
LP Gas Container .....	26
Servicing and Filling LP Containers .....	27
Checking for Leaks .....	29
LP Gas Regulator Setting .....	29
LP Gas Consumption .....	30
Using the Automatic Change Over Regulator .....	31

<b>CHAPTER 4 - THE SYSTEMS (cont'd.)</b>	
ELECTRICAL SYSTEM & OPERATION .....	31
Connection to 120-volt AC .....	31
Changes, Modifications and Additions .....	32
Convertor and G.F.C.I. Breakers .....	32
12 Volt DC System .....	33
Interior .....	33
BATTERIES (OPTIONAL) .....	34
Air Conditioner (optional) .....	35
 <b>CHAPTER 5 - APPLIANCES</b>	
STOVE and/or OVEN .....	36
FURNACE (optional) .....	38
REFRIGERATORS (optional most models) .....	38
Traveling Position .....	39
Camping Position .....	39
 <b>CHAPTER 6 - CARE OF BODY COMPONENTS</b>	
EXTERIOR ALUMINUM (smooth finish) .....	40
EXTERIOR FIBERGLASS .....	40
EXTERIOR ALUMINUM (cedar embossed) .....	40
EXTERIOR ROOF .....	40
FRAME .....	40
DRAPES & VALANCES .....	40
CUSHIONS .....	41
INTERIOR CARE .....	41
Countertops .....	42
Hardware and Sink or Shower Fixtures .....	42
TENT (CANVAS MATERIAL) .....	42
Tents - Vinyl Material, Exterior Vinyl Bottom Facing of Tents .....	43
and Screen Doors and Exterior Vinyl Trim .....	43
Evolution 3 Tent Fabric (optional) .....	44
CONDENSATION IN TENTS .....	45
PANELING .....	45
FLOOR .....	45
 <b>CHAPTER 7 - MAINTENANCE</b>	
REMOVING TIRE & WHEEL FROM TENT CAMPER .....	46
MAINTENANCE CHART .....	47
Wheel Bearings .....	47
Lug Bolts .....	48
Coupler .....	48
Tounge Jack .....	48
Tires .....	48
Brakes .....	48
Master Cylinder .....	49
Lifter Posts .....	49
Winch .....	49
Cables .....	49
Push Rod .....	49
LP Gas System .....	49
Bed Slides .....	50
Appliances .....	50
Evolution 3 Tent Fabric .....	50
Roof/Exterior Components .....	50

# **CHAPTER 1**

## **INTRODUCTION TO R.V. OWNERSHIP**

### **WELCOME**

Thank you for purchasing your Jayco Recreational Vehicle and welcome to the world of recreational vehicle travel. Your purchase of a Jayco R.V. allows you to enter this unique world of camping and leisure in a grand style. Your Jayco R.V. has been designed and engineered to offer you many comforts of home that will make your camping experience as enjoyable as possible. Jayco recreational vehicles are designed, constructed and intended to be used as temporary living quarters for recreational, camping and travel uses, all as defined in the by-laws of the Recreation Vehicle Industry Association. Our recreational 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 R.V. 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 recreational 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 recreational 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 Recreational Vehicles -Installation of Plumbing, Heating and Electrical Systems." The Recreational 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 or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Jayco, Inc.

If NHTSA in addition 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.

To contact NHTSA, you may either call the Auto Safety Hotline toll-free at 1-800-424-9393 (or 368-0123 in Washington, D.C. area) or write to:

NHTSA  
U.S. Department of Transportation  
Washington, D.C. 20590

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.** Usually tightening of connections will close leaks. If not, ask an authorized dealer's service department to make the necessary repairs.

**EVEN THOUGH THE MANUFACTURER AND DEALER HAVE ALREADY MADE TESTS FOR LEAKAGE, THIS CHECK IS ADVISABLE BECAUSE OF THE VIBRATION ENCOUNTERED DURING TRAVEL.**

LP gas is heavier than air. Leaking gas tends to flow to low places. It will sometimes pocket in a low area. 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 LP gas shut off during refueling of tow vehicles. 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 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 hook-up 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 any adapter, cheater, or extension cord that will bread the continuity of the grounding circuit connected to that third pin. NEVER remove the grounding pin for convenience of being able to connect to a non-ground (only 2-prong) receptacle. Check the polarity of your power source.**

## Safety When Emergency Stopping

Always carry road flags and/or reflective triangular highway warning devices to be displayed when necessary. Pull off the roadway as far as possible when changing flats or for other emergency situations. Turn on your vehicular hazard warning flashers when parked alongside a roadway, if only for a minute or two.

## Additional Safety Considerations

1. Sanitize the fresh water supply system periodically (see sanitizing instructions).
2. Keep water connection fittings from coming in contact with the ground or drain hose to reduce chance of contamination.
3. Enlist services of a qualified technician to fix gas or electrical appliances.
4. Always have a serviceable fire extinguisher placed in an easily accessible location.
5. Please read carefully the loading section under Chapter 3 related to your respective trailer.
6. Insure that tires are in good condition and properly inflated. Watch inflation especially closely - under-inflated tires will overheat. Overheated tires are a potential hazard as they may throw rubber and cause a blowout. Check tire pressure before each trip.

7. Check and tighten wheel lugs regularly (every 50 miles when new until 200 miles are reached and then check lugs every 500 miles).
8. Check brakes in a safe area - not while traveling a busy highway.
9. Always block trailer wheels solidly before unhitching.
10. Before leaving a camp area with a trailer in tow, insure that the safety pin or locking lever is seated, breakaway wire is attached to tow vehicle, the jack is raised so that it cannot touch the ground, the dolly wheel removed, 110-volt electrical cord properly stored, safety chains are connected, and all interior lights off.
11. Observe the warning labels attached to your vehicle concerning LP gas, water, electricity, and loading.
12. Observe the maintenance chart in Chapter 7 related to your respective unit.

## **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 OR COLD WEATHER USE**

Your new Jayco R.V. has been built for enjoyment in a recreational manner. While it was not intended to be used as living quarters, it can be comfortable by making some special provisions and understanding potential problems.

1. If used in northern states or Canada in the winter, more insulation is desired especially below floor level or as skirting.
2. Proper care needs to be observed in the fresh water and drainage systems to avoid freezing problems.
3. Adequate gas and electrical supply is needed along with protection from possible freeze-ups on gas regulator.
4. During cool weather usage, ventilation or addition of a dehumidifier may be required to reduce possible condensation.

**CAUTION:** Continuous living in your Jayco vehicle could cause accelerated wear and damage to components.

## **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 & cooking, etc. The water vapor collects wherever 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, bathroom mirrors, etc. during the cooler weather.

Proper ventilation and, if needed, the use of a dehumidifier in your unit will assist in controlling the condensation. Condensation causes dampness, mildew, staining and if allowed to continue at high levels, may cause damage to the paneling, ceilings and floor structures.

# CHAPTER 2

## OBTAINING SERVICE



### WARRANTY REGISTRATION and CUSTOMER DELIVERY FORM

**JAYCO, INC.**  
P.O. Box 460  
58075 S.R. 13  
Middlebury, Indiana 46540  
(219) 825-5861

OWNER'S NAME		DEALER NAME	
ADDRESS		ADDRESS	
CITY	STATE ZIP CODE	CITY	STATE ZIP CODE

PURCHASE DATE \_\_\_\_\_ JAYCO SERIAL No. \_\_\_\_\_

CHASSIS VIN (VEHICLE I.D. NUMBER) \_\_\_\_\_

TIRE SERIAL No. 1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_ 4. \_\_\_\_\_

5. \_\_\_\_\_ 6. \_\_\_\_\_ 7. \_\_\_\_\_

ALL ITEMS MUST BE MARKED OFF BY THE DEALER IN THE CUSTOMER'S PRESENCE  
PLEASE MARK EACH ITEM OK OR NA (NOT APPLICABLE).

1. Safety precautions explained to owner on LP gas system.

2. Location of LP gas connections shown to owner and owner informed how to make periodic leakage checks with soap-water solution. NOTE: NEVER USE A SOLUTION THAT CONTAINS AMMONIA OR CHLORINE.

3. Operation of electrical system explained and demonstrated, including generator, all lights and outlets, and the importance of battery maintenance.

4. Demonstration of trailer hook-up and removal of dolly wheel for travel.

5. Proper parking and setup procedure for camping explained.

6. Operation of slide-room(s) demonstrated.

7. Operation of fresh water system, including filling of tank. Also, an explanation of chlorination as discussed in the owner's manual.

8. Care and operation of the toilet.

9. Operation of the drainage system.

10. Explanation of winterization procedures.

11. Tire pressure checked and importance explained.

12. Check torque on lug nuts or bolts, and explain the importance of checking this regularly as discussed in the owner's manual.

13. Operation of trailer brakes and need for periodic adjustment explained.

14. Check for proper size, load rating and lug pattern of spare tire.

15. Running lights, turn signals and brake lights checked.

16. General appearance: no visible damage (interior and exterior).

17. Check and explain importance of warranty cards supplied for appliances and components. Copy of Jayco Limited Warranty was provided before purchase.

18. Keys and owner's packet provided.

19. Actual operation of the following appliances demonstrated to owner.

(Please record the brand, model and serial numbers.)

Stove \_\_\_\_\_

Furnace \_\_\_\_\_

Refrigerator \_\_\_\_\_

Water Heater \_\_\_\_\_

Washer/Dryer \_\_\_\_\_

Air Conditioner \_\_\_\_\_

Microwave Oven \_\_\_\_\_

Microwave/Convection Oven \_\_\_\_\_

Stereo \_\_\_\_\_

I certify that I have read and been given a full explanation and demonstration of each item listed above.

Customer Signature \_\_\_\_\_ Dealer Signature \_\_\_\_\_

Person Explaining Above \_\_\_\_\_

The purchaser should not sign this statement until all items indicated above have been explained to his satisfaction. The dealer is to send this form to the Jayco Service Department within five days of the retail sale.

GREEN COPY: Jafari WHITE COPY: Customer PINK COPY: Dealer MANILA HARD COPY: Jayco

## **SERVICE PROCEDURES**

### **Basic Service Procedures**

We are particularly interested in maintaining good customer relations. Only by having your complete confidence and satisfaction with our product and its service can we assure our continued success as manufacturers of recreational 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 the below listed steps in this order.

1. Contact your selling dealer's service department for an appointment. Describe to the best of your knowledge the nature of the problem. Please keep appointments to establish a good, workable relationship and proper attitude.
2. Contact the owner or General Manager of the dealership should the initial attempt fail with the service department.
3. Contact the: Customer Relations Dept.  
Jayco Incorporated  
P.O. Box 460  
Middlebury, IN 46540  
Phone: (219) 825-0670

Give all the above information as requested along with serial number of the coach in question. 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 R.V. He is authorized to service and maintain your coach as needed. All warranty repairs are to be performed by the selling dealer unless Jayco gives prior approval.

Some R.V. dealers may be authorized service centers for certain manufacturers of products warranted separately. Check with your dealer before contacting anyone else to reduce delays. If the 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 repair it, it may be returned to our plant for repairs upon following these procedures:

- A. Your dealer must make an appointment prior to returning it to the factory service department.
- B. Freight costs are the responsibility of the owner

## **Parts**

Parts are available at most Jayco dealerships or your dealer will order parts for you as needed. Should you be unable to find a dealer in your local area, contact our Customer Service Department at 219-825-0670 and we will assist you in providing parts through an authorized dealer or from Jay-Parr Supply, our parts department in Middlebury, Indiana.

## **Owner's Responsibility**

As a new owner of a Jayco recreational 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 (see your Limited Warranty). Since 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 219-825-0670 or contact your selling dealer for assistance. 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.

## CHAPTER 3

# USE OF YOUR R.V.

### HITCH HEIGHT

The correct hitch ball height is listed on the chart below for your camping trailer. It is measured with the coach in level position, measuring from the top of the ball to ground level.

Jayco Incorporated cannot be responsible for the suspension system of any tow vehicle. There are a variety of suspension systems available on tow vehicles today which will effect the ball height and levelness of your RV when hooked up to your vehicle. Make certain your dealer is aware of the type of tow vehicle you will be using so you can be certain a compatible hook-up can be achieved.

### SPECIFICATIONS

Model	Height	Model	Height
Cardinal . . . . .	15"	Eagle 10 & 12 . . . . .	15"
King, J-1206 . . . . .	15"	J-1006 & J-1008 . . . . .	16"
J-1207, J-1406 . . . . .	15"	Eagle 8 . . . . .	14"

### LOADING

Loading camping gear in your Jayco recreational vehicle should be given serious consideration. ALL cargo, supplied equipment you load should be distributed evenly with the heaviest items being stored in the lower cabinets. Be sure that all heavy items are secured to prevent weight shifts while traveling. Try to keep additional weight behind the axle to a minimum. In overhead cabinet on slide bars there is a maximum of 75 pounds on both combined bars. Please only lightweight items in overhead cabinets such as paper plates, cups, etc.

Please remember the heaviest strain on the cabinet bars is when loaded and in the center of the cabinet while in transit.

**Observe capacity rating to avoid problems**

**WARNING:** Rear bumper on fold-down camper is not designed to carry any weight. Channel bumpers can twist, flex and have metal fatigue, and weld stress. Damage to your property can occur and also endanger vehicles following your camper during travel, possibly causing an accident.

**WARNING:** Never add items such as generators, motorcycle racks, heavy tool boxes, etc. to the back of your RV. Weight behind the axle lightens the hitch weight and will tend to magnify any sway that occurs when passing trucks or in gusty winds. Excess weight can turn a usually almost unnoticeable sway into a severe sway you may not be able to control.

**CAUTION:** Damage from add-on equipment or improper loading is not covered by your Jayco Limited Warranty.

## CARGO CAPACITY

Loaded on the left front corner of the frame or on the left front tongue member is the Federal Certification Label which gives the maximum weight-carrying capacities of your trailer and each axle, designated by the letters "GVWR" and "GAWR", respectively. The "GVWR" means "Gross Vehicle Weight Rating" and is the **maximum** amount of weight your recreational vehicle should weigh with all liquids (water, LP Gas, if applicable), food, clothing, camping supplies and **ALL OPTIONS** loaded in the coach when attached to tow vehicle. Have your camper weighed when loaded so you know if you have exceeded limits.

Cargo or carrying capacity includes all additional options to standard equipment, liquids and personal cargo.

Each axle also has a maximum load-rating capacity referred to as the "Gross Axle Weight Rating" (GAWR).

### OPTION WEIGHT LISTING

	Card. 1406	King	J-1206 J-1207	J-1006, J-1007 & J-1006ST	Eagle 8	Eagle 10	Eagle 10ST	Eagle 12
Spare	26	27	26	23	16	23	23	26
Heater	19	19	19	19	19	19	19	19
Hyd.Brakes	S	S	5	50	50	50	50	50
Elec.Brakes	NA	NA	NA	30	NA	NA	30	30
Awning	30	28	28	26	25	26	26	28
Screen Room	16	16	16	14	10	14	14	16
Refer RM2191	33	33	33	33	33	33	33	33
Refer RM2202	50	50	50	50	50	50	50	50
Refer RM2310	72	72	72	NA	NA	NA	NA	72

Note: RM2191 not available in Cardinal SD

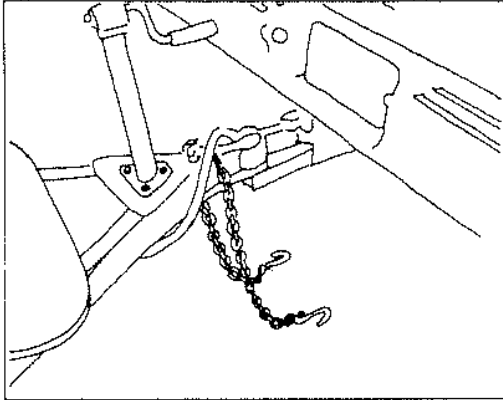
RM2310 available only in Cardinal, King, 1206, 1207 & 1406 units.

LP Gas weighs 4.25 lbs. per gallon.

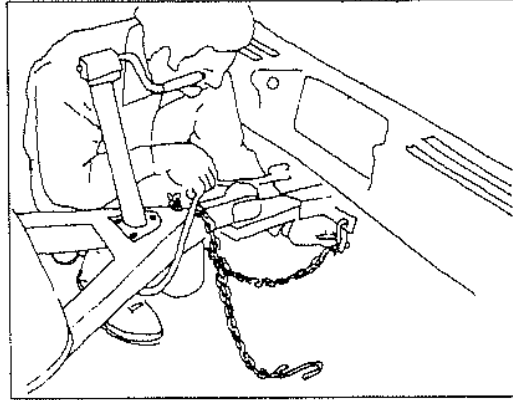
Water weighs 8.32 lbs. per gallon.

## THE SAFETY CHAIN

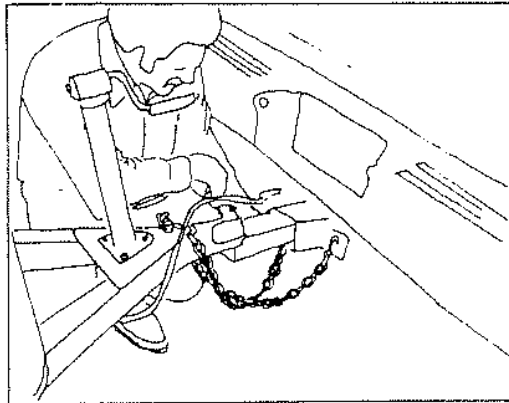
There are different safety chain requirements by the various states. As delivered by your dealer, your vehicle is equipped with chains to meet SAE standard requirements for maximum gross trailer weight. Always have the safety chain (s) attached when towing. Install them in a manner so they do not restrict sharp turns of the tow vehicle-trailer combination, but tight enough so they do not drag on the road.



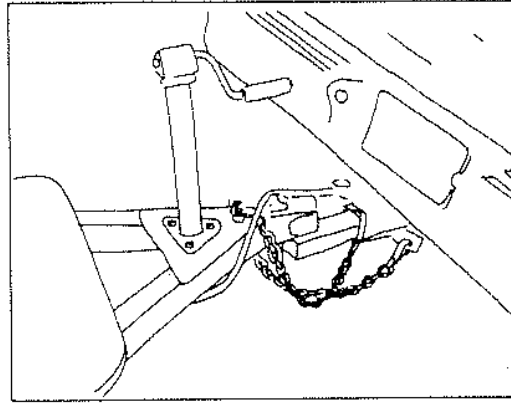
1. Inspect chains to determine that they are properly attached to trailer frame.



2. Criss-cross left chain and attach to **right** mounting slot in trailer hitch.



3. Repeat step 2 with right chain. Slack for each length should be the same but not more than necessary to permit the vehicle to turn at their minimum radius.



4. Properly mounted safety chain. Note that the jack is fully raised, and dolly wheel removed.

**NEVER** attempt to raise the trailer by placing a jack under the axle. Lifting the trailer by this method may alter the camber in the axle causing permanent damage.

## WHEEL LUGS

When the wheels are installed on your Jayco the lug bolts must be tightened at 85-95 foot pounds of torque. Because these wheel lugs can work loose, IT IS RECOMMENDED THAT YOU CHECK YOUR WHEEL LUGS AFTER THE FIRST 50 AND 200 MILES. After your first trip, check the wheel lugs periodically for safety. The wheel lugs should then be checked after winter storage, before starting a trip, or following extensive braking. Over-tightening can distort wheel. Please observe the above recommendations for your safety and that of others.

## TIRES

The tires of all Jayco units are supplied by companies with the recreational vehicle in mind and are tested at turnpike speeds. They are made with nylon cord designed to offer strength and extra mileage in all kinds of weather. The air pressure should be kept at its recommended pressure, which is stamped on the tire sidewall. Always check the tires when they are cold such as before traveling at the beginning of the day. DO NOT release air pressure as tires become hot. If you do, the tires will then be under inflated when they cool down.

**CAUTION:** It is recommended that the tire pressure be checked at the beginning of each journey to obtain the maximum life of the tires.

### TIRE CHART

Model	Tire Size	Load Range	Maximum Load
Cardinal	20.5 x 10	C	1105
King	20.5 x 10	D	1330
J-1406	20.5 x 10	C	1105
J-1207, 1206 & Eagle 12	20.5 x 10	C	1105
J-1007, 1006 & Eagle 10	5.30 x 12	C	1045
Eagle 8	5.70 x 8	C	910

**INFLATION:** Always follow the inflation guidelines printed on the sidewall of the tire.

## BRAKES

Several models of fold down units have hydraulic surge brakes as standard and others are optional. (See specifications chart.) These brakes operate automatically as the tow vehicle's brakes are applied. As the car or tow

vehicle begins to slow down, the trailer will push towards the car. The coupling mechanism at the hitch contains a brake "pressure plate." As the unit continues to press forward, the pressure plate becomes depressed, which activates the brakes.

### **BACKING YOUR TRAILER (HYDRAULIC)**

As designed, the weight of a camper pushing forward will activate the surge brake system. When backing camper there will be reduced braking. When backing up a hill the weight of camper may activate brakes, making it difficult to continue in reverse.

Your actuator has a back-up feature which prevents brakes from being applied while backing camper and increases camper's maneuverability. On the right side of actuator, push lever DOWN into notch and proceed to back camper. This latch will automatically slide into correct position when pulling forward.

### **BRAKES (ELECTRICAL) (OPTIONAL)**

The brakes on your new unit are electric and are integrated into your brake system of your truck or car in such a way that equal braking power is distributed to both trailer and towing vehicle. Explained below are several components that make up the brake system.

The battery of your truck or car is used as the primary source of power. No special source of power is required. From the battery, the power is taken to the controller which will be assembled under the dashboard of your truck or car. In open positions, it breaks the electrical circuit, so no current reaches the brakes. When depressed by hand or by hydraulic pressure (foot pedal) the variable resistor controls the amount of current which in turn varies the braking of your trailer.

Although it is possible to operate the controller by hand, it is designed to operate automatically when the car's brakes are applied. A line for hydraulic fluid from the controller to the master cylinder allows the accelerator bar and coil to make contact when the foot pedal is depressed which in turn sends the current to the brakes. To obtain equality between your car or truck and your Jayco trailer, a front mounted knob on the controller can be turned for more or less braking effort.

The last item in the braking system is the brakes themselves. The brakes are wired in parallel, never in series. Parallel wiring provides each brake with its own individual power supply to give you assurance of safety and protection.

## AUTOMATIC BREAK-AWAY PROTECTION

The hydraulic brake system is equipped with a break-away cable or chain. When towing, this cable or chain should be attached loosely to a frame member of the tow vehicle leaving enough clearance so that the trailer can turn freely without actuating the break-away device.

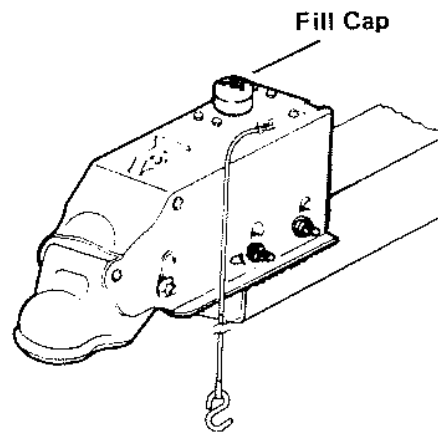
Should the trailer separate from the tow vehicle, the break-away cable will actuate the master cylinder, locking the brakes. This will stop the trailer in the shortest possible distance.

**CAUTION: Break-away switch should be fully released during vehicle operation. CHECK BEFORE TOWING. DO NOT USE BREAK-AWAY SWITCH AS A PARKING BRAKE; IT DRAWS CURRENT.**

**CAUTION: Do not use sway bars or equalizer bars on the surge brake system.**

## BRAKE MAINTENANCE & LUBRICATION

1. For best operation of the coupling locking mechanism is best assured by lubricating the ball with standard automotive chassis grease.
2. Remove master cylinder cap and make sure it is full of automotive brake fluid.
3. Brakes must be checked and adjusted at least once per year. Consult your individual brake owner's manual for additional information or consult your dealer regarding this item.



**CAUTION: Check fill cap before each trip for tightness. A loose cap can allow moisture to contaminate the brake fluid.**

## TOW VEHICLES

Various tow vehicles will have different towing characteristics. Always consult a hitch specialist to install the proper hitch. Never exceed your tow vehicle's weight capacities. Consult your tow vehicle dealer.

## SET-UP (MANUAL CRANK SYSTEM)

### Opening Your Camper

After parking your new Jayco tent camper, disconnect the coach from the tow vehicle. Have the coach in a level position and tires blocked so the camper will not roll anywhere. You are now ready to set up your tent which is designed to be simple and trouble free.

#### IMPORTANT:

We recommend that well in advance of any trip, your camper be set up at home and the tent be hosed down with water thoroughly. After the tent dries, repeat the soaking process two additional times. This process acts to seal areas where the tent is sewn with thread. If you do not follow this procedure, you will most likely experience water leaks at the seams during the first few exposures to rain. Let dry thoroughly before storing to prevent mildew & odors. If you note any water seepage or leaks after seasoning your tent, let the tent dry, then spray Scotch Guard Fabric Protector® on the INSIDE of the seams where seepage occurs. One or two applications may be necessary to stop all water seepage in seams where thread enters the fabric. **NOTE:** Touching the fabric when it is wet can cause leakage. If leakage persists, please contact your dealer for assistance.

1. Unfasten each corner latch. **CAUTION: NEVER TRY TO CRANK UP THE ROOF UNTIL ALL FOUR CORNER LATCHES ARE UNLOCKED AND FREE.** Fig. 1
2. Turn thumb latch and open door at crank compartment.
- 2a. Insert the crank into the square tube and turn in a clockwise direction to raise. Fig. 2

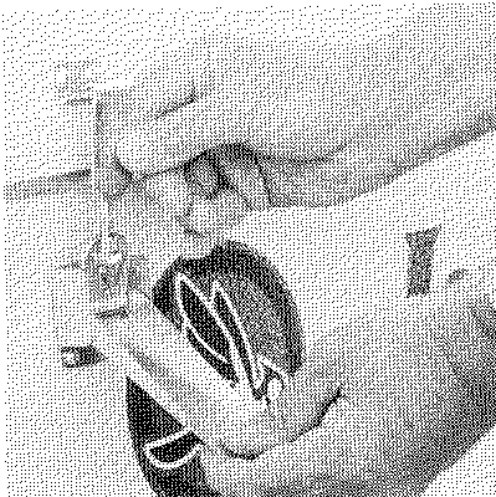


Fig. 1

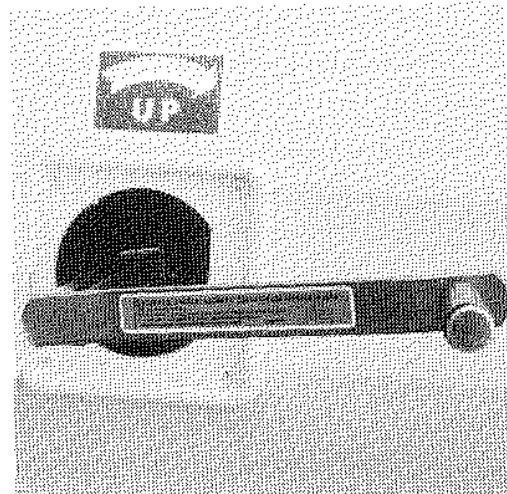


Fig. 2

3. Continue cranking until the limit cable is almost tight. The red or gray limit cable is located directly above the crank position. Fig. 3
4. Now release springloaded, self-storing stabilizer jacks. Base of this jack is welded to frame. Using 1 or both hands, grip jack and push toward center of camper approximately 5/8". It will require fair amount of effort to release and swing down as in Fig. 4. Now extend the jack "foot" by pushing it to the ground. More tension can be placed on the jack feet by using the long jack handle supplied in each unit. Be sure that not too much force is applied to the jack handle; it may cause the holes in the jack legs to expand by breaking out the dividers and cause adjustment problems in the entrance door. One notch should be sufficient. **DO NOT** place excessive weight on these jacks as they are intended to stabilize, not bear the weight of the camper.

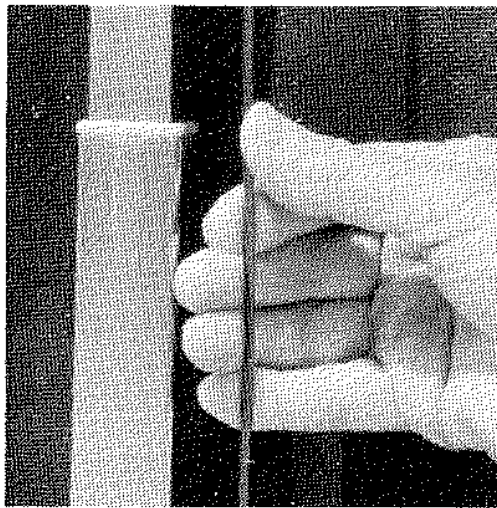


Fig. 3

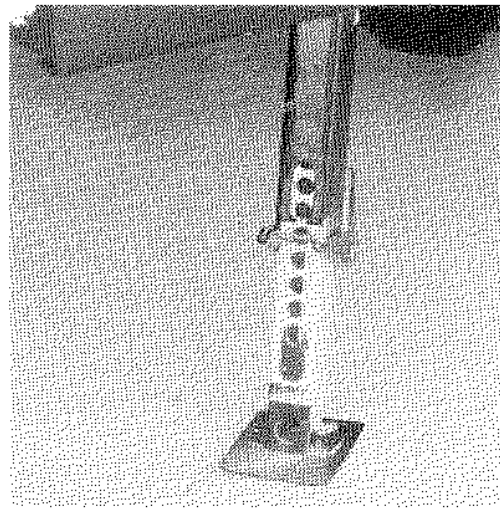


Fig. 4

5. On camper model using curved or preformed bed brace, it's suggested to place support into position before pulling bed out. Place 90° bent hook into bracket attached to front wall. Place flattened end into slot prepared on frame.
6. Pull end bunk beds out until rail hits bed stop. Distribute awning panel over bunk and place corners of tent over corner of bed. Again, be sure beds are now extended all the way out against stops.
7. Place angled and smashed end of straight bed support pole into bed bracket near outer corner under plywood bunk bed. Place flattened end into slot provided on frame of camper.
8. Now, complete raising roof until red or gray limit cable is snug. **DO NOT OVERTIGHTEN.** Fig 3

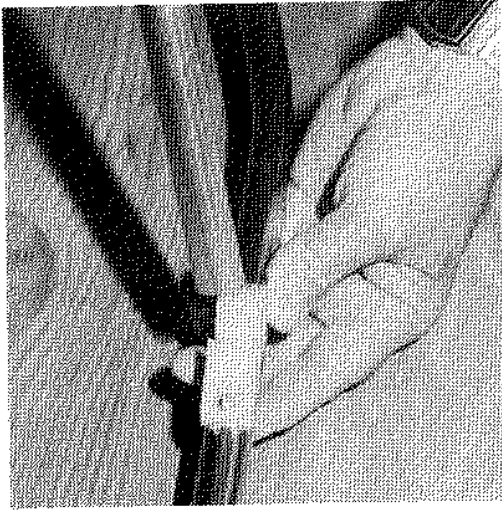


Fig. 5

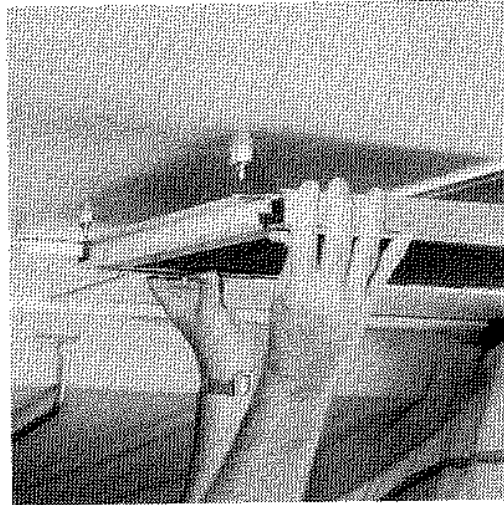


Fig. 6

9. Enter unit and insert bed bow support pole at bow peg. Push bow outward and upward until flat end will slip into bracket mounted onto roof.  
Fig. 5
10. Unlatch twist locks holding door to roof. Swing down the double hinged, self-storing screen door. Drop channel of lower edge of screen door over entrance door, guiding locating pins into door jamb extrusion. Fig. 6
11. Insert canvas by folding the hard edge of tent over 180° and inserting this portion into channel of screen door, starting at the bottom. This assures the best possible fit. Fig. 7
12. Set up any cabinets which are in the folded position such as wardrobe and flipover kitchen.
13. Hook elastic cord from bed flaps over nylon holders beneath bed in the following order: first, outer corner loops with clamp rings; second, inner corner loops with clamp rings near camper box, and third, remaining holders. All holders **MUST** have cord attached and **IN USE** when Camping. Fig. 8

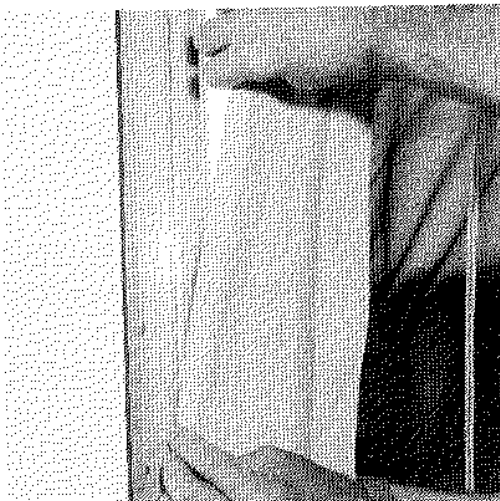


Fig. 7

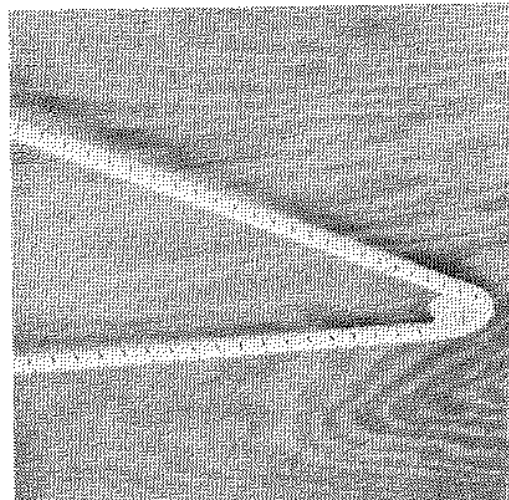


Fig. 8

## Closing Camper for Travel

### INSIDE

1. Enter camper and remove canvas from screen door by pulling canvas away from channel, beginning at the TOP of door, proceeding to bottom.
2. Swing screen door up to roof and latch the twist locks. Fig. 6
3. Remove bow braces from bracket on the roof and pull brace to center of coach. Remove from peg on bed bow. Place bows under bed mattress. Fig. 5
4. Place all cabinets to travel position such as wardrobe and kitchen flip top.

### OUTSIDE

5. Loosen any tension on stabilizer jacks by pressing adjustment tab on jack downward. Using both hands, slide telescoping foot upwards fully. Pull jack downward 5/8" and swing towards center of camper until spring loaded catch slips into slot. Fig. 3. NOTE: Road dirt and grime sometimes makes these jacks operate hard. You may need to clean out before operating. Use only silicon lubricate as oils will attract dirt and cause additional problems.
6. Remove elastic shock cord from nylon holders under bed. BE SURE to unhook ALL shock cords to prevent damage to elastic cord or bed flaps on tent.

**CAUTION: DO NOT push bed in until ALL elastic cord is detached. Push bed in COMPLETELY before beginning to lower roof.**

7. Remove straight bed braces and push beds in carefully and completely.
8. Remove curved bed braced. Place all braces under bed matts carefully.
9. Lower roof half to two-thirds down. Reach inside and distribute awning panel of tent and drape evenly accross bunk beds.
10. Continue to lower roof until final 6-8". Using both hands and arms, push tent from each side, front and rear, into the center of camper evenly and carefully continue to lower roof.
11. Attach roof latches to clips. You may need to push roof down with your hand the last 1-2".
12. Before removing crank, tighten cable system by turning crank in the "UP" movement. This will place slight tension on cable system and avoid cables to be loose and become tangled.
13. Remove crank and place in storage area inside camper.
14. Close and latch door to crank compartment.

## OPERATING INSTRUCTIONS FOR FOLD-DOWN OPTIONAL POWER LIFT SYSTEM

Your Jayco folding camper features the OPTIONAL power lift system. The system requires a 12-volt deep cycle battery to operate. Please read carefully through ALL instructions BEFORE you use this feature on your camper trailer.

### Opening Your Camper

Your folding camper should be on level ground and the tires blocked so the camper will not roll before you begin setting up the camper. DO NOT USE YOUR STABILIZER JACKS TO LEVEL THE CAMPER. (See #4 under "SET-UP" in your owner manual.) THEY ARE INTENDED TO STABILIZE THE UNIT AND WILL NOT SUPPORT ITS WEIGHT. If your camper is not level, you may experience difficulty with set up, particularly with the fit of the entrance door.

1. Unlatch all four roof latches on each corner of the roof. See figure 1 in your owner manual.

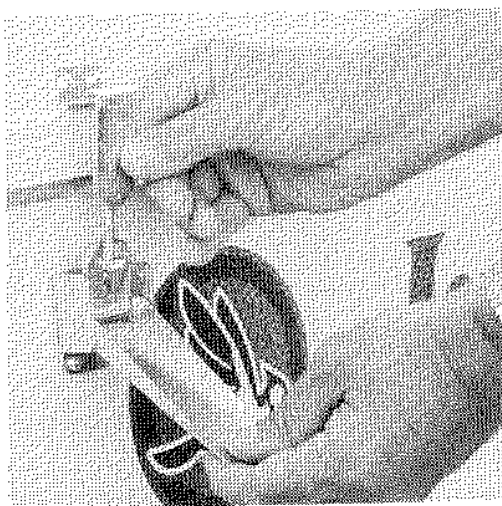


Fig. 1



Fig. 2

**CAUTION:** Never try to crank or use your power lift system to raise the roof until all four corner latches are unlocked and free.

2. Open power lift access door with the special key supplied.

**WARNING:** Be sure hand crank is dis-engaged (removed) before using power lift system,

3. Push toggle switch “up” to initialize power and raise roof. Continue to hold the toggle switch up until the red or gray limit cable is **ALMOST** taut. See figure 3 in your owner manual.
4. Now release springloaded, self-storing stablizer jacks. Base of this jack is welded to frame. Using 1 or both hands, grip jack and push toward center of camper approximately 5/8". It will require fair amount of effort to release and swing down as in Fig. 4. Now extend the jack “foot” by pushing it to the ground. More tension can be placed on the jack feet by using the long jack handle supplied in each unit. Be sure that not too much force is applied to the jack handle; it may cause the holes in the jack legs to expand by breaking out the dividers and cause adjustment problems in the entrance door. One notch should be sufficient. **DONOT** place excessive weight on these jacks as they are intended to stabilize, not bear the weight of the camper.

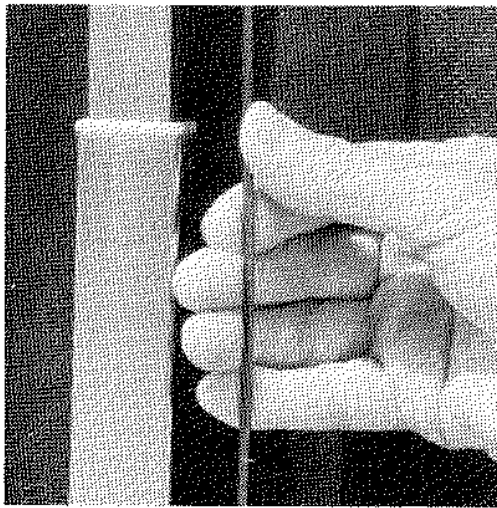


Fig. 3

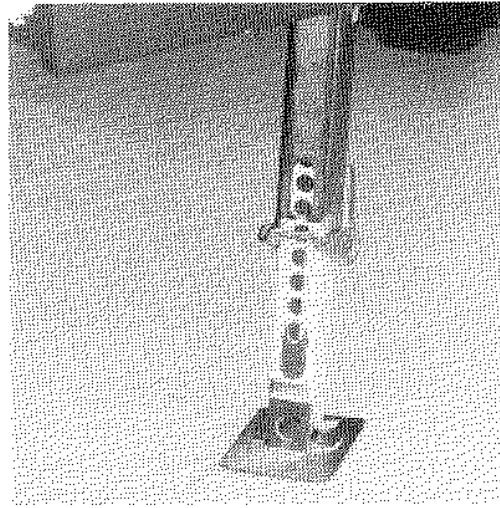


Fig. 4

5. On camper model using curved or preformed bed brace, it's suggested to place support into position before pulling bed out. Place 90° bent hook into bracket attached to front wall. Place flattened end into slot prepared on frame.
6. Pull end bunk beds out until rail hits bed stop. Distribute awning panel over bunk and place corners of tent over corner of bed. Again, be sure beds are now extended all the way out against stops.
7. Place angled and smashed end of straight bed support pole into bed bracket near outer corner under plywood bunk bed. Place flattened end into slot provided on frame of camper.
8. Now, complete raising roof until red or gray limit cable is snug. **DONOT OVERTIGHTEN.** Fig 3

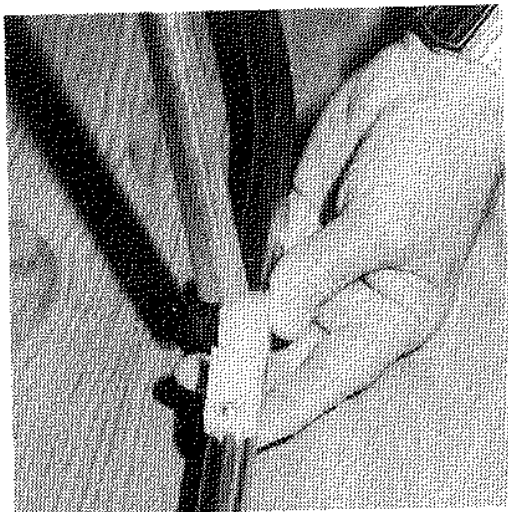


Fig. 5

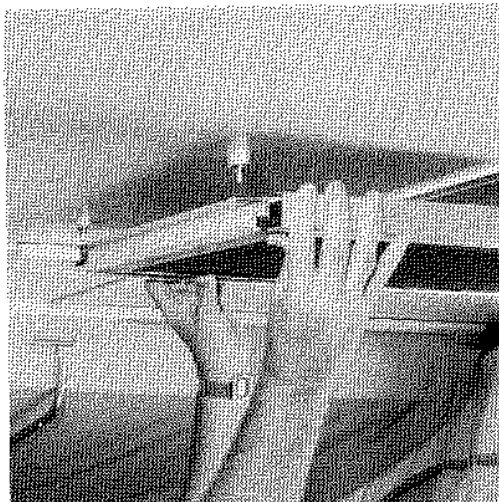


Fig. 6

9. Enter unit and insert bed bow support pole at bow peg. Push bow outward and upward until flat end will slip into bracket mounted onto roof. Fig. 5
10. Unlatch twist locks holding door to roof. Swing down the double hinged, self-storing screen door. Drop channel of lower edge of screen door over entrance door, guiding locating pins into door jamb extrusion. Fig. 6
11. Insert canvas by folding the hard edge of tent over 180° and inserting this portion into channel of screen door, starting at the bottom. This assures the best possible fit. Fig. 7
12. Set up any cabinets which are in the folded position such as wardrobe and flipover kitchen.
13. Hook elastic cord from bed flaps over nylon holders beneath bed in the following order: first, outer corner loops with clamp rings; second, inner corner loops with clamp rings near camper box, and third, remaining holders. All holders **MUST** have cord attached and **IN USE** when Camping. Fig. 8

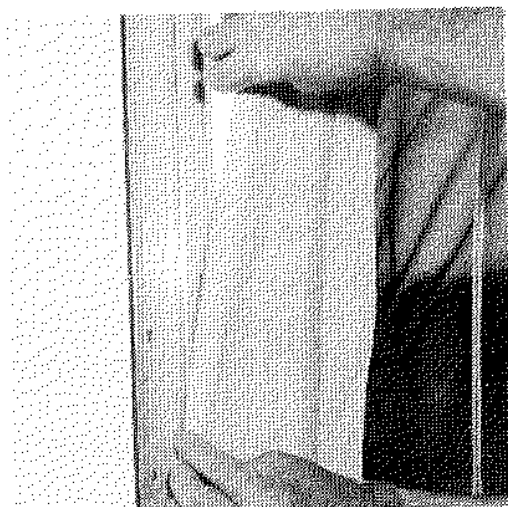


Fig. 7

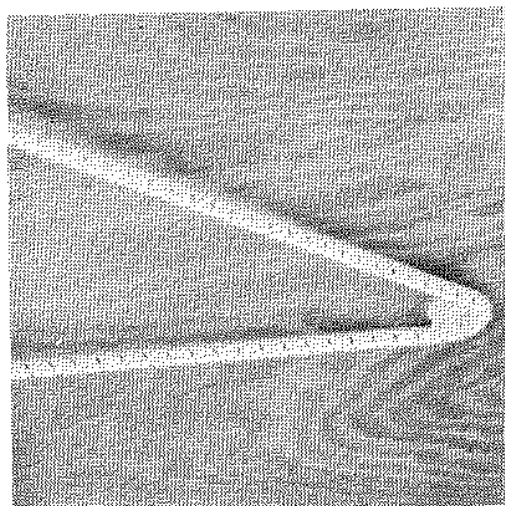


Fig. 8

14. **IMPORTANT:** Lock your power lift system access door with the key provided. This will prevent accidental activation of the switch while your unit is occupied.

**CAUTION: Power Lift is NOT intended for continuous use. It is intended only for use as necessary for normal camping.**

### **Closing Camper for Travel**

#### **INSIDE**

1. Enter camper and remove canvas from screen door by pulling canvas away from channel, beginning at the TOP of door, proceeding to bottom.
2. Swing screen door up to roof and latch the twist locks. Fig. 6
3. Remove bow braces from bracket on the roof and pull brace to center of coach. Remove from peg on bed bow. Place braces under bed mattress. Fig. 5
4. Place all cabinets to travel position such as wardrobe and kitchen flip top.

#### **OUTSIDE**

5. Loosen any tension on stabilizer jacks by pressing adjustment tab on jack downward. Using both hands, slide telescoping foot upwards fully. Pull jack downward 5/8" and swing towards center of camper until spring loaded catch slips into slot. Fig. 3. NOTE: Road dirt and grime sometimes makes these jacks operate hard. You may need to clean out before operating. Use only silicon lubricate as oils will attract dirt and cause additional problems.
6. Remove elastic shock cord from nylon holders under bed. BE SURE to unhook ALL shock cords to prevent damage to elastic cord or bed flaps on tent.

**CAUTION: DO NOT push bed in until ALL elastic cord is detached. Push bed in COMPLETELY before beginning to lower roof.**

7. Remove straight bed braces and push beds in carefully and completely.
8. Remove curved bed braced. Place all braces under bed matts carefully.
9. Unlock your power lift system access door and begin lowering roof by pressing the toggle switch "down." Lower the roof approximately two-thirds of the way down, then stop the lowering by releasing the toggle switch.
10. Carefully distribute the awning panel of tent and drape it evenly across the bunk beds.

11. Return to the power lift access door and continue to lower the roof, stopping about 6 to 8 inches short of full closure. Using both hands and arms, push the tent from each side, front and rear, into the center of the camper evenly. Return to the power lift access door and continue lowering the roof the final time.

**WARNING: Always make sure the area is clear by bystanders (including any "helpers") before you activate the power roof toggle switch!**

12. Attach the roof latches to the clips. You may need to push the roof down with your hands the last one or two inches.
13. Slight tension on the cable system is needed to avoid movement or tangling of loose cables during travel. After the roof is lowered and latched, we suggest you use your manual hand crank to tighten the cables for travel by turning the crank in the "up" movement until you feel it is snug.
14. Remove hand crank and place it in a storage area inside the camper. Close and lock the power lift system access door.

### **Operation and Maintenance Tips**

If you have no power to your toggle switch, first check the 5 amp fuse in your control box. See item 2 on the power lift control box drawing.

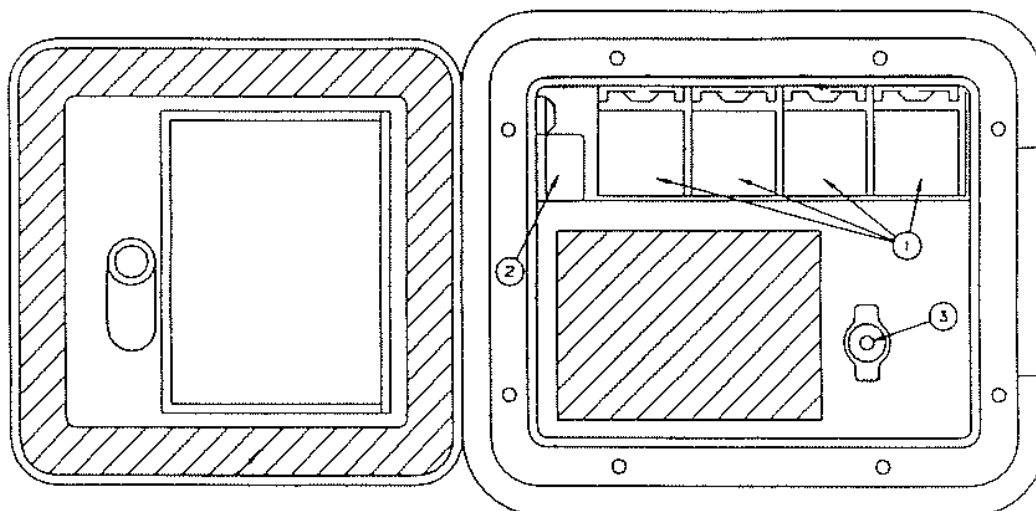
There is also an in-line 30 amp fuse and holder located on the inside of the tongue channel on the right side of your a-frame, or inside of Battery Box. Your power comes from your deep cycle battery through this 30 amp fuse to the control center, through a 10 gauge brown wire.

Your system is also equipped with a limit switch. The limit switch receives power from the toggle switch through relays to the motor. The function of the limit switch is to stop the roof when it is fully raised. This is adjusted here at the factory after installation. Any adjustments necessary to this limit switch should be performed by your authorized Jayco dealer only.

Your roof should raise and lower very smoothly when using the power lift system. Should you notice erratic motion when raising or lowering the roof, LIGHTLY lubricate the fiber clutch disc located in the winch. You can use 30 weight SAE oil. On some models, it may be necessary to remove some internal component to access the winch. In this case, it may be desirable to have your authorized Jayco dealer perform the lubrication for you. Remember, only a very light application of lubricant is needed, and only when erratic motion is experienced.

Should your battery completely discharge during your camping trip, remember, the roof can always be lowered using the manual hand crank.

### Power Lift System Control Center



1 - Relays      2 - 5 Amp Fuse      3 - Toggle Switch (up/down)

#### **WARNING:**

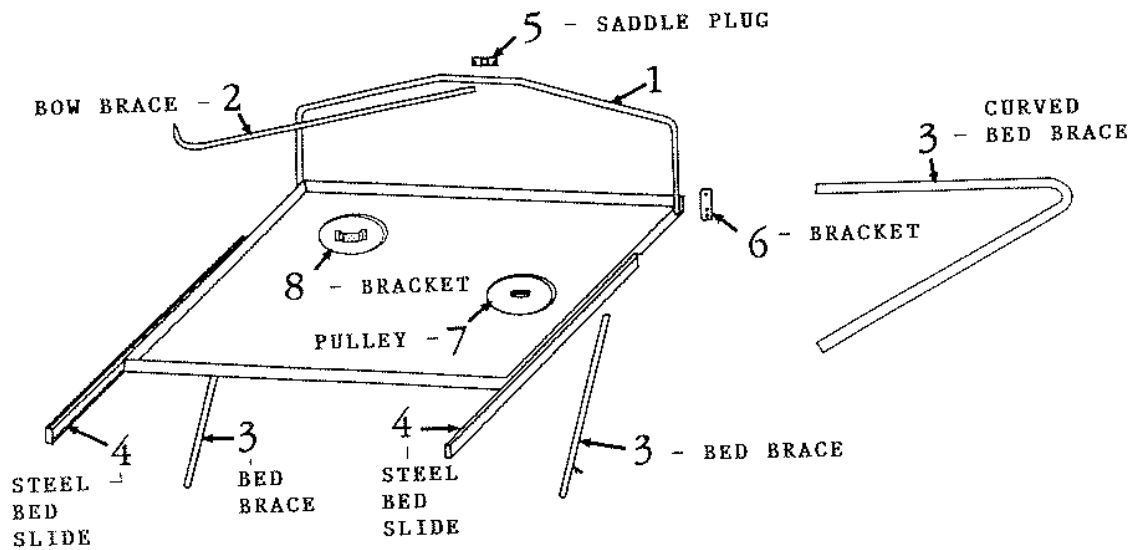
Never engage the power roof lift mechanism until you have checked the area to ensure everyone is standing clear of the camper. **THE POWER ROOF LIFT MECHANISM SHOULD ALWAYS BE OFF BEFORE YOU ADJUST THE BUNK ENDS OR THE TENT. DO NOT** perform these adjustments while the roof is in motion.

**FAILURE TO FOLLOW THIS WARNING COULD RESULT IN SERIOUS BODILY INJURY TO THE OPERATOR OR BYSTANDERS.**

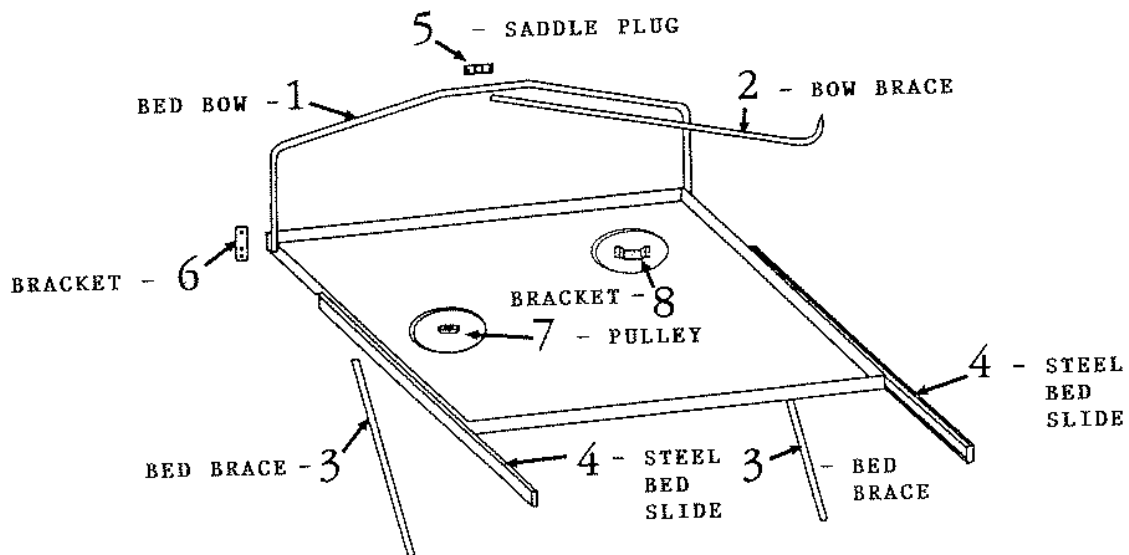
Carefully follow all instructions, warnings and safety precautions when operating the power lift mechanism. Do not let children play with or operate power roof lift system. Adults who have not received proper instruction should not operate the power roof lift mechanism.

Make certain hand crank is removed from the manual lift housing before engaging power lift system. **THE MOTION OF THE HAND CRANK, IF LEFT ATTACHED, COULD CAUSE INJURY WHILE POWER ROOF LIFT IS IN OPERATION.**

## Parts List for Front Beds Eagle, "J" & Designer Fold-Downs



## Parts List for Rear Beds "J" & Designer Fold-Downs also includes Eagle Series



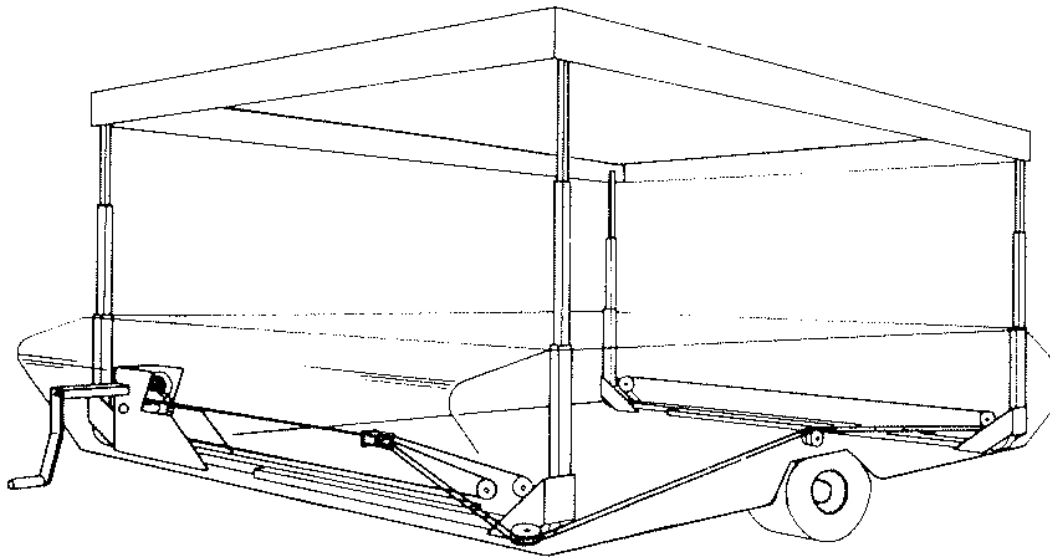
**WARNING:** Never run converter with camper folded down. This causes overheating and presents a fire hazard.

**CAUTION:** If stabilizer jacks are down while roof is being cranked up or down it is very possible to have the unit in a bind causing lifter system to hang up.

### **Easy Patent #345966 Crank-Up Lifter System**

Jayco's unique raising system has been thoroughly tested and proven to be one of the best on the market and is relatively simple in operation. The system is operated by a manual winch. As the winch turns, the main cable, which is connected to the four secondary cables from each corner, is shortened. As the main cable shortens, it pulls the secondary cables, forcing the flexible steel core to be pushed upward against the last tier of each telescopic arm. Because strong force can be achieved with little effort through a pulley system, the roof can be lifted easily.

**WARNING:** Maximum weight which can be added to a roof is 200 pounds. This includes any and all options. Remove any boat or bicycles BEFORE raising roof.



## Canopy Set Up Instruction Sheet

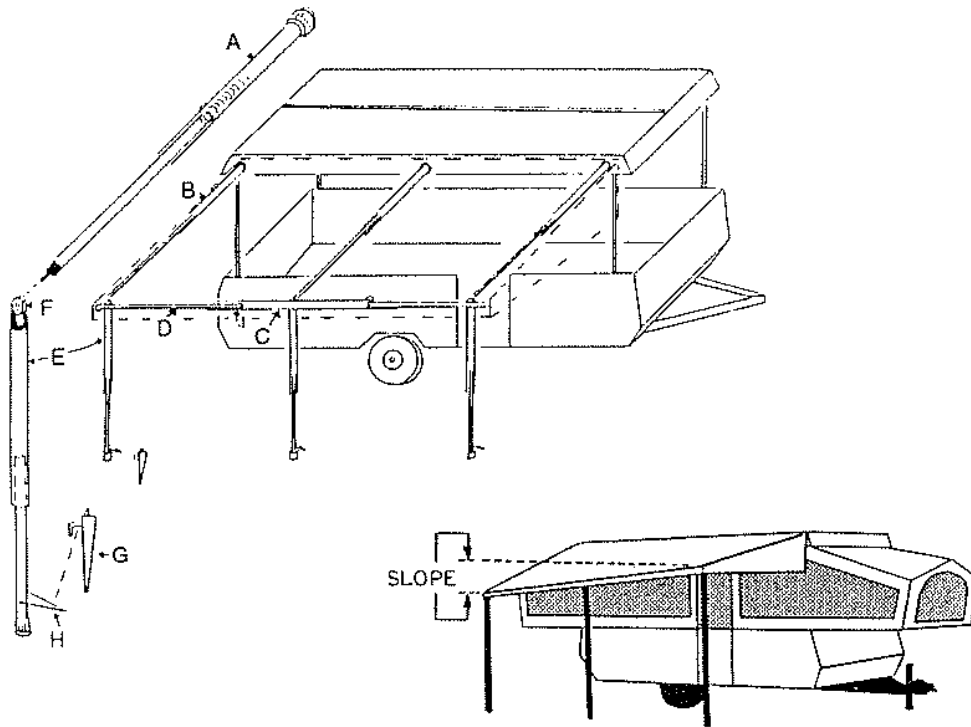


Fig. 13

- |                      |                            |
|----------------------|----------------------------|
| A. White Crutch Tip  | E. Twist Pole (Twist Lock) |
| B. Tension Rafter    | F. Twist Pole "Eye" Insert |
| C. Center Spacer Bar | G. Stake                   |
| D. End Divider Bar   | H. Anchor Hook             |

1. Slide the canopy into awning rail on your roof, if not mounted permanently.
2. Insert poles "C" and "D" into the canopy pockets along the front edge.
3. Assemble the two parts of the tension rafter, pole "B".
4. Insert the tension rafter peg into the eye of the twist pole, "F", and then into the holes in poles "C" and "D". The rubber tip (A) of the tension rafter will rest against the side of the roof.
5. Both the right and left rafters must be tight against the edge of the canopy. The rubber tip may be one or two inches past the awning rail. The rafter may be located on either side of the eye-bolt. The ties sewn to the canopy may now be attached to the tension rafters.
6. After all the poles are installed:
  - a) Adjust the canopy to fit properly.
  - b) Adjust the height of the canopy with the twist-lock poles.
  - c) Install the three stakes to anchor the canopy in case of wind.

7. Screw the two snap screws into the roof to match the screws in the canopy.
8. Always allow ample clearance between the top of entrance door and the bottom of canopy, to avoid damaging fabric.

**Always install the stakes to avoid wind damage to the poles and the fabric. In severe wind it is best to remove the canopy. Wind and rain damage are not covered by warranty.**

### **Extra Poles (Optional)**

On the 14' canopies, additional openings in the front pockets are provided if you want to add more tension rafters and twist poles. Under normal conditions, extra poles are not needed. In heavy rains and windy climates, you may want to add more support.

To install the extra poles, simply drill 5/16" holes into the end divider bars (D) at the pocket area. Install the poles as before.

### **Rain Damage**

Heavy rain can damage both the canopy fabric and the poles if it is allowed to "pocket" in the fabric. It is very important to have the correct slope in the canopy. The side of the canopy at the twist poles should be about 19" lower than the side that attached to the awning rail on the roof. It is also a good idea to lower one end if heavy rain is anticipated. Shown in Fig. #13.

**CAUTION: Excessive snow, 8" or more, or ice, 2" or more, places extensive weight on roof. Warranty coverage requires such excessive quantity of snow or ice to be removed as needed. Care MUST be exercised as not to damage roof material.**

## CHAPTER 4

# THE SYSTEMS

### PLUMBING

#### Instructions for Sanitizing Potable Water Systems of Recreational Vehicles

To assure complete sanitation of your potable water system, it is recommended that the following procedures be followed on a new system, one that has not been used for a period of time, or one that may have become contaminated.

1. Prepare a chlorine solution using one gallon of water and 1/4 cup of household bleach (5% sodium hypochlorite solution). Pour one gallon of solution into tank for each 15 gallons of tank capacity.
2. Complete filling of tank with fresh water. Open each faucet and drain cock until all air has been released from the pipes and entire system is filled.
3. Allow to stand for three hours.
4. Drain and flush with potable fresh water.
5. To remove any excessive chlorine taste or odor which might remain, prepare a solution of one quart vinegar to five gallons water and allow this solution to agitate in tank for several days by vehicle motion.
6. Drain tank and again flush with potable water.

**CAUTION:** Chlorine solution concentrations exceeding recommended levels may damage the water system.

### FRESH WATER SYSTEM

Fresh water may be supplied to camper by two different methods:

1. A fresh water container is located in a cabinet compartment, some removable and others permanent. Size and location varies per floorplan and model.

On permanent tank, see Figure No. 10 for water fill and Figure No. 9 (top) for tank drain. Permanent tanks also have an overflow for tank protection. Three types of hand pumps are used, both having a handle to move up and down to draw water from either type of tank

2. A "city water" or direct hook-up from external water supply may be attached to the pressure water inlet. See Figure No. 9 (bottom). To allow water entry on white pump, press lever down and hold. On silver pump, open faucet lever and allow water to enter. Release lever to stop water flow.

**CAUTION:** In units with the bath/shower option, you must make sure the shower head is secured in the wall holder before closing your camper for moving or storage. If the shower head is left in the ceiling holder when the camper is closed, damage can result.

We recommend adding a water regulator to the line system, as some campgrounds may have water pressure in excess of 100 lb. or more. A regulator rated at 35 lb. is suggested. The regulator may also be a removable type.

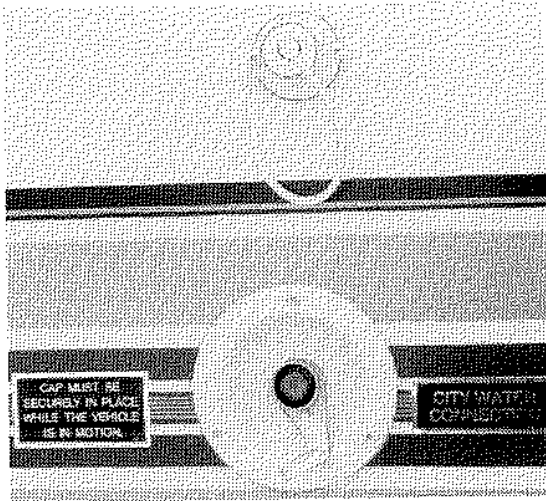


Fig. 9

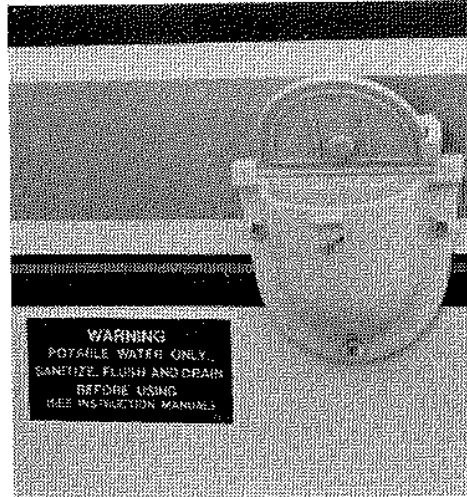


Fig. 10

## DRAINAGE SYSTEM

Some systems have a spigot to drain excess water in tank used in permanently installed tanks only.

Connect a hose to Figure No. 9 (top) outlet and drain sink either to a container to hold waste water or to a direct sewer inlet supplied by some campgrounds. Most campgrounds and some states prohibit sewer water drainage onto the open ground.

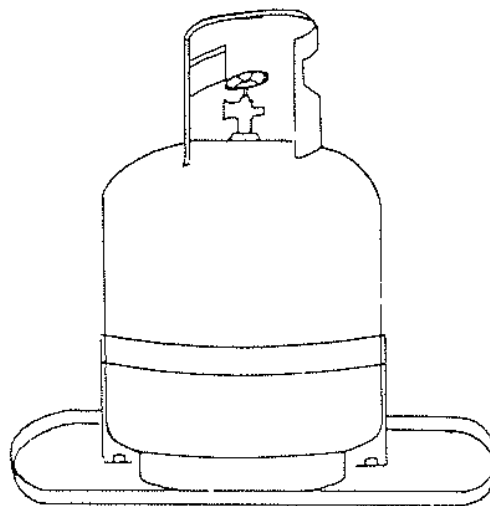
## WINTERIZATION

1. Drain tank entirely. The remaining small quantity of water in a plastic tank will not damage tank by freezing.
2. Be sure all water has been drained from the hand pump by using an up and down motion with the lever with no water in tank. No anti-freeze is needed for hand pumps.
3. If all water cannot be drained or has evaporated from trap under sink it would be advisable to put a small quantity of non-toxic anti-freeze into trap.
4. If your unit is equipped with optional water heater and /or toilet, follow that manufacturer's instructions for winterizing these components.

**WARNING: Use only antifreeze made specifically for potable water systems. Automotive antifreeze, if ingested, can cause blindness, deafness or death.**

## **LP GAS SYSTEM**

LP (liquid petroleum) is product refined from various hydrocarbons from crude oil. In its gaseous form (vaporized) it is colorless and carries an added garlic additive for detection. LP fuel in its stored form is liquid. To be used in appliances it needs to be changed to vapor. The appliances are not designed to consume liquid but vapor only. This fuel stored in a vertical container mounted in front of your fold down camper as shown in the diagram below.



### **Installation Instruction**

1. Attach hold-down ring to support plate with bolts provided.
2. Install gas tank into ring and secure with wing nut on rear side of ring.
3. Attach regulator and hose assembly to tank and gas manifold.
4. On some units, bolts attach to ring incorporated into bottom of tank.
5. Check fasteners before each trip for secureness.

### **LP Gas Container**

The LP gas tank mounted on your vehicle contains LP fuel in liquid form under pressure. As fuel is used, vapor (LP gas) passes from the top of the tank through a dual-stage regulator which reduces the pressure to about 6½

ounces per square inch. Vapor at the low pressure is then transferred through the gas distribution lines for appliance use. You must keep the regulator clean and dry. Its cover should remain in place, and its vent placed according to the manufacturer's instructions.

**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 can cause fire or explosion. A properly filled container will contain approximately 80 percent of its volume as liquid LP gas.**

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

### **Servicing and Filling LP Containers**

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

Local regulations sometimes require cylinders be removed from the RV for refilling. A relief valve is incorporated on all tanks for safety. This valve is normally opened during fillings and will indicate when the tank is filled to the proper limit by appearance of liquid replacing vapor. At all other times, the overfill valve should be tightly closed by hand only.

The main valve on the LP gas container should be tightened by hand only using caution not to over-tighten. The valve is designed to satisfactorily close with only a reasonable amount of tightening. Continual over-tightening will eventually damage the valve and will require its replacement.

When LP gas containers are filled to the proper level there is available space for safe expansion of the vaporized liquid. If your tank becomes overfilled and is not allowed to "bleed off" before installation with the RV system, it may gain pressure due to exposure to hot sun rays and will begin "blowing

off” pressure from the relief valve. This can be detected by the strong odor around tanks. Keep open flames away from this area. It is best to remove the bottle, take it to a safe area, and “bleed off” the excess pressure by opening the valve and closing it when discharge has been sufficient. Handle your LP tanks with care. Note that when disconnecting, you must turn the wrench in a clockwise direction because the connection utilizes left hand threads. When reconnecting, turn wrench counterclockwise. When tightening, only “snug-up” - avoid over-tightening. The tanks must be in an upright position at all times.

**CAUTION:** If you have double bottles on your RV, use only one at a time. Otherwise the gas supply will be drawn equally from both bottles until supply has been totally exhausted. Using the one bottle until it is empty, then using the second bottle will allow you to fill the empty bottle at your convenience without being totally out of propane.

If you travel alternately on wet roads and in freezing weather, be sure your 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 instructions given by the manufacturer of the regulator.

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

When a 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 L.P and have the system checked by a qualified technician.

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

### IF YOU SMELL GAS:

1. Extinguish any open flames, pilot lights, and all 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 before using again.

**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 or turn on exhaust fan; and,**
- 2. Open window.**

This warning label has been located in the cooking area to remind you to provide an adequate amount of fresh air for combustion. Unlike homes, the amount of oxygen supply is limited due to the size of the recreational vehicle, and 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.

### **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, with normal use being subject to road vibrations, connections, and fittings can develop leaks. If you do encounter this odor, turn off all open flames immediately and commence a systematic search for leaks throughout the gas system. Use a bubble solution of soapy water – **NEVER A MATCH** – on connections and fittings. **NEVER USE A SOAPY SOLUTION WHICH CONTAINS AMMONIA OR CHLORINE.** 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, then check the appliances.

### **LP Gas Regulator Setting**

Never attempt to reset the gas regulator yourself. Have an authorized service agency make any regulator adjustments. Even a little amount of pressure over the recommended setting can cause damage to appliances and regulators. This pressure setting must be performed with a gas pressure gauge or monometer.

Present Codes and Standards require the use of a “Dual-stage” LP gas regulator with an “excess flow” P.O.L. adaptor. The “excess flow” adaptor is built to restrict the flow of escaping gas in the event of a break in the gas supply line.

The “Dual-stage” regulator performs the act of reducing gas pressure in the first stage 10-13 P.S.I. The second stage then reduces it to eleven inches of W.C. (Water Column).

It is important to turn your gas bottle valve slowly to eliminate a chance of a fast rush of gas from the tank. This would possibly “freeze” the excess flow valve and shut off your gas supply. Should this happen, turn off your gas valve at the tank. Wait about 15 minutes and try again.

**WARNING: LP gas regulators must always be installed with the diaphragm vent facing downward. Regulators that are not in compartments have been equipped with a protective cover. Make sure that the regulator vent faces downward and that the cover is kept in place to minimize vent blockage which could result in excessive gas pressure causing fire or explosion.**

### LP Gas Consumption

Most gas appliances are only operated intermittently. Unless there is heavy use of hot water, water heater consumption is not too great. 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 BTU’s of heat energy. Following is a list of typical appliance consumption when turned full on for one hour of operation:

APPLIANCE		AVERAGE BTU CONSUMPTION PER HOUR
Stove:	Burner Top - Each	5,200
	Oven Burner - Each	7,100
Heater (Opt.)		16,000
Refrigerator:	RM2201 (Opt.)	600
	RM2190 (Opt.)	565
	RM2310 (Opt.)	1,000
Water Heater	(Deluxe Only)	9,000

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

### **Using the Automatic Change Over Regulator (For Optional Double Bottles Only)**

A useful accessory is an automatic changeover regulator. This apparatus allows both gas bottles to be turned on simultaneously. The arrow on the regulator handle indicates which bottle is in service. When the indicated bottle in service becomes empty, changeover is automatically accomplished to commence drawing fuel from the other bottle. At this point, the plastic window will display a red signal or flag to indicate the condition. You should then flip the lever over to indicate service on the other bottle. The first bottle which was depleted can then be turned off, uncoupled and taken to be refilled without disturbing the RV gas supply. After refilling, it can be remounted and again turned to the "On" position. When the other bottle is depleted, the LP gas supply will again be automatically changed over.

## **ELECTRICAL SYSTEM & OPERATION**

### **Connection to 120-volt AC**

Your electrical system of 120-volts AC and 12 volts DC has been designed and installed in accordance with the safety requirements of ANSI Standard A119.2, The National Electrical Code and Canadian Standards Association.

Your new Jayco tent camper is equipped with a 15-amp power cord (30 amp optional with A/C prep package) to connect from the campground outlet to your camper. The power cord is prewired into the distribution panel with a 15-amp overcurrent protection breaker and then supplies 120-volt AC to the 12-volt DC power convertor.

To prevent accidental electrical shock, insure that the ground pin on the attachment plug cap is intact to the earth ground 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. You should 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.

**WARNING: Never use a “cheater” plug or extension cord which breaks the continuity of the ground circuit to the ground pin. Never remove the ground pin to connect with a two prong underground receptacle.**

### **Changes, Modifications and Additions**

Any changes or additions made after delivery may cause a hazardous condition. Be sure to consult your local authorized dealer. Only qualified electrical technicians should attempt to make changes or additions to our electrical system, using only approved materials and components and employing approved methods of installation.

Extension cords should always be a heavy gauge of wire equal to the power cord. Usage of too small a cord will result in overheating and possibly burning of the cord. **DO NOT** leave an unused portion of an extension cord in a coil as it may overheat, short out wires, and potentially destroy your extension cord.

Wall receipts are powered by 110 volt electrical current, rated at 15 amps maximum.

### **Convertor and G.F.C.I. Breakers**

A convertor uses 110 volt power and transforms this energy into 12 volt DC power. Three sizes of convertors are used depending on the floor plan and models. The three sizes are 6 amp, 10 amp and 20 amp output.

Each convertor has a G.F.C.I. breaker built into the unit. These initials mean “Ground Fault Current Interrupter.” This special breaker has been designed to reduce the possible injury caused by an electrical shock.

An example of ground fault current is the current which would flow through 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 fixtures, wet floor, or earth.

This G.F.C.I. 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 this G.F.C.I. breaker is tripped, it has interrupted ground fault current caused by such things as faulty insulation or wet wiring inside some appliance or equipment connected to the circuit. The faulty equipment should be repaired before it is used again.

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

## 12 Volt DC System

### EXTERIOR

All exterior vehicle lights are 12 volt and wired in accordance with the standard accepted color code:

WHITE - GROUND

GREEN - RUNNING LIGHTS

RED - LEFT TURN, STOP

BROWN - RIGHT TURN, STOP

BLACK - 12-VOLT HOT

YELLOW - BACK-UP LIGHTS

PURPLE - STOP LIGHT (Designer Only)

WHITE/ORANGE - REFRIGERATOR (Designer Only)

#### BULB REPLACEMENT CHART - As Required

Taillight - #1157

Bunk Light - #921

Interior - #1141

Upper Stop Light - #921

Clearance - #194

Back-up Light - #1156

Porch Light - #912

#### FUSES:

<u>Operation</u>	<u>Location</u>	<u>Size/Type</u>
Interior Lights	Convertor	(as listed)/Blade
Heater	Convertor	(as listed)/Blade
Bunk Light	at wire connection in roof edge left side	5 amp/Blade

The connector between tow vehicle and trailer may build up corrosion over a period of time caused by weather elements, and should be cleaned occasionally to insure good electrical contact.

Attach the receptacle leads to the vehicle wiring in a workman-like manner, mechanically and electrically secure. Tape all splices with electrical tape.

The receptacle leads must be properly routed and protected against cutting and pinching where they leave the vehicle body.

## Interior

All 12 volt power comes from the convertor or the black lead in the wire harness from the tow vehicle. Remember, to receive power from the convertor you must have a 110 volt energy source available. 110 volt power may be turned off or on by pulling or pushing the 110 volt breaker in the convertor.

The 12 volt power will operate all interior lights and optional furnace with blower.

The 6 and 10 amp convertor may be operated as follows:

1. Move manual rocker switch to “trans” position to receive power through the convertor.
2. Move manual rocker switch to “battery” position to receive power from tow vehicle or if auxiliary battery is used.
3. Off (center) position is to be used for traveling or storage.

The 20 amp convertor may be operated as follows:

1. There is no manual rocker switches on 20 amp convertors for on/off operation.
2. You may use 110 volt breaker for the on/off switch for operation.
3. This convertor has an automatic transfer switch to change from battery power to convertor power.

Jayco model tent campers have the interior circuit directed through the convertor.

**WARNING: Do not replace circuit breakers or fuses with those of a higher current rating than those supplied with the new camper. Over-fusing can cause a fire hazard by overheating above the temperature rating of the electrical wiring.**

**WARNING: Be sure to turn off all interior lights and convertor to “off” position before folding the camper for transit as the bulbs may cause a fire hazard in the folded position and burn holes into tent.**

**A 6 and 10 amp convertor DOES NOT have a built-in battery charger. A 20 amp convertor in Deluxe Series has a battery charger.**

## **BATTERIES (OPTIONAL)**

All Jayco fold down campers are engineered to accept an auxiliary battery if so desired. The battery must be hooked up directly to red (positive) and white (negative) on convertors using nothing less than 14 gauge wire. On 20 amp convertors an automatic transfer switch designates where energy comes from. On 6 and 10 amp convertors a manual switch must be placed in the “Batt” position for energy to be received from the battery.

The auxiliary battery may be installed to avoid discharging tow vehicle battery when 110 volt power is not available.

**CAUTION:** When drawing current from the tow vehicle battery be sure to avoid draining battery to a low point that the tow vehicle will not start.

**WARNING:** NEVER hook up 12 volt power source through the convertor for 12 volt power on refrigerator, if available. The only time 12 volt power is to be used on refrigerator operation is while traveling to “maintain cold” only.

### **Air Conditioner (Optional)**

An optional air conditioner kit is available for proper power source to operate any air conditioner which weighs less than 110 pounds, regardless of the B.T.U. rating.

Parts which compose this kit are:

1. 30 amp power cord.
2. 110 volt circuit breaker box.
3. Two breakers, one 15 amp to operate coach, and one 20 amp (HACR) breaker to operate air conditioner.
4. 20 amp recept.
5. 20 amp power cord to be wired directly into air conditioner.
6. Proper sized wire for all hookups.
7. Cabinet door.
8. Additional miscellaneous small items.

This kit meets requirements and codes for proper hook up in any fold down camper if installed correctly.

**CAUTION:** Any electrical installation that does not meet the criteria of the manufacturer's specification will VOID THE WARRANTY on the electrical system.

**NOTE:** Air conditioners cannot be installed by manufacturer due to loading heights of transportation equipment.

## CHAPTER 5

# APPLIANCES

### STOVE AND/OR OVEN

A two or three burner drop-in stove is built into a small removable cabinet top assembly. Complete cabinet and stove can be used for cooking either inside or outside of camper.

To operate drop-in stove follow these instructions:

1. Push knob inward and turn valve to open position.
2. Hold lighted match beside burner until burner lights.
3. After burner is lit, extinguish match and adjust burner to position desired.

**NOTE: If there is air in LP line, it may take several seconds to bleed air before gas will light burner.**

Some models may have a special top to be placed under stove/cabin combination to raise stove assembly. This enables operator a raised position to cook. Below listed are procedures to follow for safe operation in both positions.

The LP gas connections are made with a “quick-coupler” system. ALL such systems must have a positive shut-off located in or near the connector.

One type of “quick coupler” has a valve built into the coupler which must be **TURNED OFF** before it can be disconnected.

The second type of coupler will have a valve located on the exterior and beneath the camper in the frame area, near the outside of the stove connection. This valve must be manually turned off before disconnecting the LP gas “quick-coupler.”

**WARNING: ALWAYS shut off manual valve before disconnecting any “quick-couplers.”**

To remove stove from the inside of the camper to the outside, after coach is in a camping position:


1. Shut off valve.
2. Disconnect quick-coupler.
3. Lift stove/cabinet assembly up, at front first, then rear.
4. Carry stove/cabinet assembly to the outside and mount on outside stove rail.
5. Install brace into holder located above fender skirt above wheel well.

6. Raise outer edge of stove assembly and insert brace into hook mounted below stove cabinet.
7. Connect "quick-coupler" to LP supply hose located inside of cable hatch.
8. Open gas valve.
9. Place windguards in operating position.
  - A. Raise hinged lid.
  - B. Swing out two side shields.
10. Your stove assembly is now ready to be operated in the outside position. Remember to allow several seconds for air to escape in the stove fuel system.

Reverse procedure when placing stove assembly into traveling position, making certain you close gas valve before disconnecting the "quick-coupler".

On some models you will have the oven and stove combination. The upper stove portion operates as the above hot plate. The oven has a pilot light and can be easily lit by following these steps:

1. Push dial in, turn right to "OVEN OFF" position.



**WARNING: BEFORE MOVING VEHICLE, BE SURE OVEN CONTROL DIAL IS TURNED COUNTER CLOCKWISE TO "PILOT-OFF" POSITION.**

2. Light the pilot on the under side on the broiler pan.
3. After the pilot is burning turn oven dial to desired temperature setting.

The control should be in the "PILOT OFF" position whenever you move your recreational vehicle. This will help conserve fuel. When it is in this position, you will notice the special locking feature which prevents any accidental turning of the dial to an operative position. Whenever the control dial is in the normal "OFF" position the pilot MUST be lit.

**CAUTION: Whenever operating stove, oven or other air gas appliance, be sure the appliances get enough fresh air for ventilation.**

## **FURNACE (OPTIONAL)**

The furnace utilizes a combustion system which is completely sealed from the interior of the RV. Combustion air is drawn from the outside and combustion products are expelled outside through the vent.

Two types of lighting methods are used depending on which option furnace you have.

1. A piezo lighter is used on models which have a pilot light. Fan must be running before attempting to light pilot. Initially, the pilot may not light immediately due to air in the gas line. If this is the case, it may be necessary to hold the control in for a minute or more before the pilot lights. Set control knob to pilot position and push in. After five seconds begin pressing piezo lighter to produce spark. Continue pressing piezo lighter until pilot light is on. Turn control knob to "on" position. Set thermostat to desired position.
2. On D.S.I. models turn thermostat to "off" position if so equipped. Wait five minutes. Set thermostat to "on" position. Allow 15-30 seconds for burner to ignite. If burner fails to light, repeat this procedure three or four times. Determine cause why furnace is not lighting. Additional information will be found in manufacturer's supplied owner's manuals.

## **REFRIGERATORS (OPTIONAL ON MOST MODELS)**

There are four types of refrigerators available for Jayco fold down campers.

1. **RM2191** operates on LP gas while cooling down and during camping use. Twelve volt is available to be used when traveling only. Never hook up 12 volt refrigerator to 12 volt convertor. No 110 volt is available.
2. **RM2202** operates on LP gas, 110 volt, and 12 volts desired, as it has a three-way energy source.
3. **RM2310** operates on LP gas and 110 volt power. This unit has special installation instructions which must be followed precisely for correct operation as listed below:
4. 110 Volt electric operates on 110 volt power only.

**NOTE:** RM2310 is available in 2 way or 3 way.

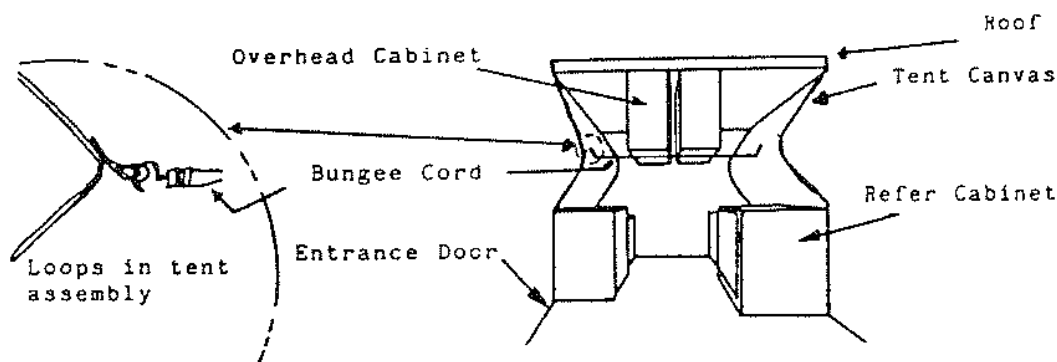
**NOTE:** In order to have this refrigerator to function properly, it is extremely important that the installation be completed as per installation instructions. Failure to follow complete instructions will prevent this refrigerator from cooling down correctly and will void all warranties.

Venting is the most critical. Operating instructions for this refrigerator are included with each unit.

**NOTE: Separate owner's manuals are supplied from manufacturers of the appliance to assist you in the operation of individual appliances. Read all manuals completely before operating any appliance.**

### **Traveling Position**

When folding camper into traveling position, it is VERY IMPORTANT to attach the 48" special bungee cord into the loops provided to insure tent materials from blocking the upper vents while traveling. If overhead cabinets are removed, you must use a 36" bungee cord in order to maintain tension on canvas.



### **Camping Position**

When raising camper into camping position, remove the 48" special bungee cord from the loops which are located above refrigerator counter top and beside the left side of the entrance door.

For best operation on the refrigerator be sure to keep unit level, preferably to level at freezer box. Use the method of leveling coach and refrigerator which meets your needs.

Also, be sure ventilation is correct. Do not allow lower service vent to be blocked or obstructed. Upper vent must be correct size to allow hot air to escape.

## **CHAPTER VI**

# **CARE OF BODY COMPONENTS**

### **EXTERIOR ALUMINUM (SMOOTH FINISH)**

Your new Jayco coach has an improved smooth metal with a new polyester automotive paint finish. This metal surface may be cleaned and polished as you would your automobile.

### **EXTERIOR FIBERGLASS**

Fiberglass should be waxed & buffed at least once a year with a high quality product. Scratches and chips can be repaired at a body shop with experienced fiberglass technicians. Crazing (minute cracks) is a normal characteristic for fiberglass. It can be repaired by using a filler, sanding and repainting with gel-coat.

### **EXTERIOR ALUMINUM (CEDAR EMBOSSED)**

The aluminum on the outside of your Jayco can be cleaned and washed the same as an automobile finish. It is suggested that a spray wax, or wash and wax combination, be used for waxing due to the texture of the aluminum. The textured aluminum siding will reduce excess scratching.

### **EXTERIOR ROOF**

The roof on your tent camper needs little maintenance, however, the seams should be examined periodically (at least once a year) to insure good continued sealing and resealed as necessary. Side edges are usually covered with extrusions with a putty sealant. To reseal these edges, especially where it will show, A SILICONE SEALANT OR TEN-X will ensure a neat application.

### **FRAME**

The frame on your new Jayco coach has been primed and painted to resist rust and corrosion. It is recommended you periodically inspect the exterior exposed areas, clean and repaint the steel members to insure long life.

### **DRAPES & VALANCES**

Your drapes are manufactured in all Trevira polyester on all series of fold down campers. Drapes should be dry cleaned by a professional for best results. However, they can be washed in cool water on delicate cycle. Line dry only.

**CAUTION:** Care must be taken to follow above instructions or results may not be satisfactory.

## **CUSHIONS**

**CAUTION: DO NOT DRY CLEAN VINYL COMPONENTS**  
**CAUTION: DO NOT REMOVE COVERS FOR DRY CLEANING**

If the cushions are dry cleaned, the vinyl on the reverse side of the cushion will shrink, become hard, and crack.

1995 Designer Series Dinette and Bed Mat covers are made of 100% olefin and dacron polyester

1995 "J" and Eagle Series Dinette Cushion covers are made of olefin, polyester, acrylic, and cotton combined material.

1995 "J" Series Bed Matts are made with all olefin for heavy duty wear and lasting beauty.

1995 Eagle Series Bed Matts are made with all cotton material.

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

## **INTERIOR CARE**

**FABRICS:** Please use common sense and treat your furniture as you would at home. Remember, your camper is a small living area, so soiling may occur more frequently and the fabric will probably need more attention than your furniture at home. Please follow these guidelines for cleaning upholstery fabrics.

Frequent vacuuming with a brush attachment or a light hand brushing will help remove dust, hair, sand and other particles which can dull the look of the fabric and accelerate wear.

Water base cleaners are recommended. If a spill does occur, blot up the spot, but do not rub it in. Solvents are not recommended since they may have an adverse reaction to the specific backings of your upholstery fabric. Spot clean, using a mild, water-free solvent or dry-cleaning product. Do not saturate the area you are cleaning. Clean only in a well ventilated area and avoid any product containing carbon tetrachloride or other toxic materials. Always pre-test a small area before proceeding. Use a professional furniture cleaning service for an overall cleaning.

A reminder: Your upholstery fabrics have been manufactured using quality materials. However, if abused, they are not completely resistant to damage. Again, common sense is needed when your camper is exposed to a very humid climate for an extended period of time, or if your unit is closed up in a very hot or cold climate for an extended period of time.

### **Countertops**

Made of high pressure laminate, the countertops are quite easy to keep clean. Waxing is not necessary, but will help protect and preserve the looks of the countertop. Glass rings, food spills, water spots and smudges usually wipe off with a damp sponge. Stubborn stains can be removed with a general purpose spray cleaner.

The laminated surface resists alcohol, fruit acids, cosmetics and most household chemicals. Avoid contact with dyes, strong laundry bleaches and bluing. Indelible inks used on food packages may stain, so take care when unpacking groceries, particularly on a damp countertop. Sharp knives can damage the finish so confine slicing to a good cutting board.

Pots and pans straight from the oven or range top should go on hot pads or protective trivets. Never place a hot iron or lighted cigarettes on the countertop.

For lasting beauty, avoid using harsh abrasives, scouring powders, peroxide or bleaches. These can dull the surface and make it more likely to stain the next time.

### **Hardware and Sink or Shower Fixtures**

Use only mild detergents and water to clean these fixtures. Never use harsh chemicals or sprays, such as Windex. A non-abrasive cleaner is recommended, wiping dry to avoid water spotting. A mild solution of vinegar and water works very well to remove hard water spots and stains.

### **TENT (CANVAS MATERIAL)**

The canvas used on all Jayco camping trailers is made of 10.10 ounce army duck cotton. It is treated to pass the required Federal Fire Retardant Standards.

If a dirty spot needs to be cleaned, use a damp cloth or sponge with water.

The canvas should not be washed with a detergent as it will remove the waterproof repellants and the fire retardant. Hair spray or insect spray will also remove repellence.

If the canvas comes into contact with contaminants, it will be necessary to re-treat the area to ensure water proofing. We recommend you use Scotch Guard Fabric Protectant® or have a professional provide water repellant treatment.

Be sure your canvas and trailer have good ventilation whenever possible, especially after a rainy period. The most common cause of damaged canvas is mildew, which is the result of storing your unit for any period of time with a damp or wet canvas, even short periods. This is even more important in coastal states which have a damp atmosphere.

### **Tents - Vinyl Material, Exterior Vinyl Bottom Facing of Tents and Screen Doors and Exterior Vinyl Trim**

Use non-abrasive cleaners with warm water and sponge to remove excess dirt and grime. Do not use cleaners with a bleach ingredient. Chlorine or bleach will strip the finish and color from your vinyl.

You may also use 3M Scotchguard® fabric protector on sewn seams in vinyl tents if water seepage occurs.

In any tent we recommend the following:

DO NOT use harsh detergents, soaps or solvents since they may remove water repellency and damage the surface or color.

DO NOT use aerosol type cleaners.

DONOT use insect repellent around fabrics since most will stain fabrics and damage or destroy water repellency.

DO thoroughly clean whenever bird droppings, tree sap, dirt or soot from campfires becomes apparent.

DO apply 3M Scotch Guard® fabric protector any time accidental contact with insect repellants, hair sprays or suntan lotions occur.

DO NOT fold down unit when wet for any extended period of time. If tent must be stored wet, open unit to dry thoroughly as soon as possible.

### **THE CARE & REPAIR OF EVOLUTION 3 TENT FABRIC (optional)**

EVOLUTION 3 tent fabric is a strong, durable three-layer polypropylene laminate which resists common stains, soil, mildew and rot. When soiling does occur, the problem can usually be corrected by the following procedures:

Light brushing with a soft rag will remove most dirt.

For persistent soils:

1. Wet soiled fabric with water;
2. Wash with non-detergent Ivory soap, work into a lather and with a sponge, lightly work the lather into the soiled area;
3. Rinse thoroughly with copious amounts of water to remove all residue soap. Residual soap can cause fabric leakage.
4. Air dry completely.

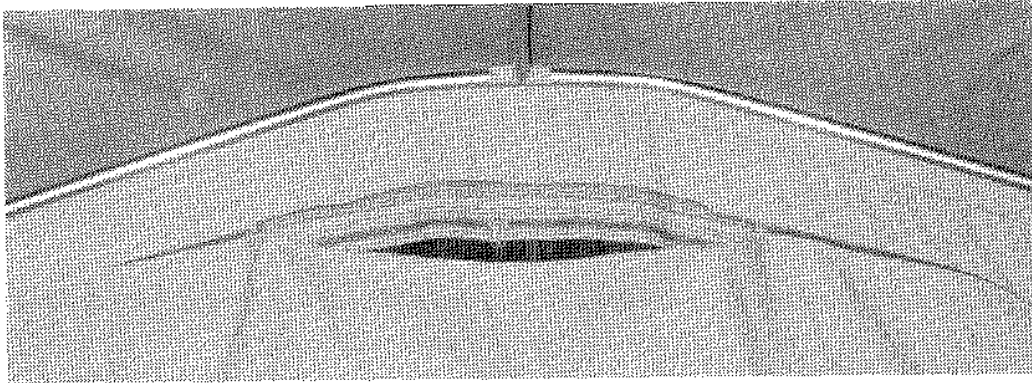
If slight fabric leaking persists due to presence of residual soap, the area may be treated with water repellent such as 3M Scotch Guard Fabric Protector. The above procedure may also be used to correct spot fabric leaking caused by accidental contact with insect repellents and sprays.

**Products containing surfactants, eg. insect repellents and suntan oils can cause a loss of water repellency. This can easily be corrected by following the washing instructions outlined above.**

<p><b>CAUTION:</b> Always be sure any tent is completely dry before storing. Mildew can start within 24-48 hours after closing camper in a wet condition.</p>
---

### **Condensation in Tents**

Condensation can be prevalent in tent campers if proper ventilation is not used. It is recommended that you leave a small opening in each bunk zipper to permit air to flow through and allow the tent to “breathe.” This will help minimize moisture gathering above bunk area on the vinyl.



**Condensation can be a problem whether or not a heater is used.**

### **PANELING**

The wall paneling in your new Jayco is a vinyl covered wood panel. If deep scratches occur, they can be covered by using a thin film of shoe polish or stain, followed by a coating of furniture wax. There may be putty sticks available to cover scratches at your local hardware store

To clean, use a mild solution of soap and lukewarm water with a soft sponge or cloth. Refrain from the use of abrasive cleaners. It could cause the vinyl to scratch and turn dull. Grease spots and stubborn dirt can be cleaned off with an all-purpose spray cleaner.

### **FLOOR**

To care for the decorative no wax vinyl floor covering, wash with a mild detergent.

Avoid excessive application of water on new floor as it may cause lifting and curling of the vinyl.

## CHAPTER 7

# MAINTENANCE

### REMOVING TIRE & WHEEL FROM TENT CAMPER

1. Using a separate jack to raise the trailer, preferably hydraulic, screw jack, or scissor jack, etc.
2. Loosen lug bolts.
3. Remove lug bolts.
4. Remove tire and wheel.

On the units with the 8-inch wheels, you may not have enough clearance to put jack under frame. Extra clearance can be achieved by:

Driving the trailer onto several pieces of wood blocking you may be carrying for using in campgrounds. They should be preferably 2 x 6 wood blocks.

**NOTE: There may be situations where the unhooking of the trailer may not be necessary. This instruction sheet is intended to recommend definite workable methods.**

To protect your investment, as well as ensuring your continued enjoyment and personal safety, we urge you to follow this maintenance schedule. You will find other recommended maintenance instructions and schedules in the individual component operating instructions. While many owners perform their own maintenance, your Jayco dealer will be happy to handle your service needs.

COMPONENT	MAINTENANCE	AVOID
<b>Wheel Bearings</b>	<p>The wheel bearings in your new Jayco tent camper are pregreased. It is recommended that you repack these bearings at 5,000 miles or at the end of each season's camping to prepare for winter months ahead.</p> <p>Be sure to use only a multipurpose No. 1 or 2 good quality wheel bearing grease.</p> <p>If bearing or cone (race) become pitted, please replace any damaged part.</p> <p>Note: Should you be concerned about heat in wheel bearings, check them occasionally while traveling by placing hand on hub. You will be able to hold your hand momentarily on the hub.</p> <p>Should it be extremely hot, it is recommended to have the bearings inspected by a qualified service center.</p> <p>Note: During break-in period (first 500 miles) your hubs may feel extra warm due to brake shoes setting in with the brake drum.</p>	<p>(a.) Exposure to any water or condensation will cause bearings to rust and be damaged.</p> <p>(b.) Never let bearings run dry.</p> <p>(c.) Never overpack wheel bearings, especially in the middle of hub. It will trap heat if overpacked.</p>

COMPONENT	MAINTENANCE	AVOID
<b>Lug Bolts</b>	<p>Lug bolts must be checked at 50 and 200 miles when your coach is new. After this, lug bolts should be periodically checked for safety, especially before any long trip and extensive braking.</p> <p>Tighten lug bolts to 85-95 ft. pounds torque using a cross tighten sequence of 1-3-2-4.</p>	<p><b>WARNING:</b> DO NOT ignore checking wheel lug bolts.</p>
<b>Coupler</b>	<p>Use a small quantity of WD-40 on moving mechanism to insure ease of operation.</p> <p>On coaches with surge hydraulic brakes, there is no lubrication needed on coupler assembly.</p> <p>We recommend that you use conventional grease on the ball of hitch for ease of operation.</p>	
<b>Tongue Jack</b>	<p>Lubricate the jack by extending to full down position and insert SAE 30 oil through oil hole in top of jack. Do this several times per season.</p>	
<b>Tires</b>	<p>It is very important to check tires often as noted on page 13 of Chapter III.</p>	<p>DO NOT ignore checking tire P.S.I. pressures often.</p>
<b>Brakes</b>	<p>It is important to have brakes adjusted by selling dealer between 200-500 miles after initial break-in period. This operation may not be included by selling dealer as part of selling price.</p> <p>After initial break-in it is recommended to adjust the brakes following each 5,000</p>	<p>It is very important to keep brakes adjusted as poorly adjusted brakes will not function correctly.</p>

COMPONENT	MAINTENANCE	AVOID
	miles or at beginning of each season's camping trips.	
<b>Master Cylinder</b>	Check cap for tightness before each trip. Make sure cylinder is at full mark. Use Dot 3 automotive brake fluid.	
<b>Lifter Posts</b>	Your telescoping posts should be lubricated semi-annually with a light coat of silicone spray to insure smooth, trouble-free operation. Do not permit spray to reach tent.	DO NOT use grease or oil on posts as this lubricant will attract dirt and cause tent to become dirty.
<b>Winch</b>	The winch should be lubricated once per year, preferably at the season's beginning. Use a small quantity of light oil on two upper shaft bearings and also at each end of main drum which cable rolls on.	
<b>Cables</b>	Pulleys and cables need no lubricant at any time.	
<b>Push Rod</b>	We suggest you grease the flexible push rod in each corner (once every 3 years of use) with regular chassis lube.	
<b>L.P. Gas System</b>	<p>At the beginning of each season:</p> <ol style="list-style-type: none"> <li>1. Inspect all gas lines for crimps and road damage.</li> <li>2. Check all lines and connections for leakage with soapy water or leak detector.</li> <li>3. We recommend that you have the regulator checked and adjusted to proper pressure once a year. A gas leak check should be performed at least once a year by a qualified technician.</li> </ol>	<p>DO NOT smoke while changing bottles or any lines.</p> <p>DO NOT allow any connection to be loose.</p>

COMPONENT	MAINTENANCE	AVOID
<b>Bed Slides</b>	Be sure to lubricate bed slides twice per year with silicone spray as you do the lifter posts.	
<b>Appliances</b>	<p>To care for brushed chrome we recommend you clean with a mild soap and water, wipe dry with soft cloth. Apply a light coat of oil such as "Johnson's Baby Oil" periodically.</p> <p>Various items on these appliances need to be cleaned periodically as need be, such as burner orifices, etc. See individual booklets for directions or see your dealer.</p> <p>On any appliance with porcelain covering, use caution to avoid chipping. Be careful not to drop items on porcelain surfaces.</p>	DO NOT use steel wool, ammonia, acids, or abrasives on chrome surfaces.
<b>Evolution 3 Tent Fabric</b>	<p>Clean part of tent with a <u>mild</u> detergent (such as Ivory) and water.</p> <p>Stubborn marks on vinyl can be cleaned with a silicon lubricant (such as Krylon or Graffiti Remover). Re-waterproofing may be necessary with repeated washing.</p>	Storing Wet
<b>Roof/Exterior Components</b>	Inspect all sealant for lifting, peeling or cracking at least once a year. Re-seal as needed. This includes any putty tape used under corner trim, doors, windows, etc.	Excessive snow and ice loads as indicated on page 29.

– NOTES –

– NOTES –



# 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.

Jayco dealers are our special partners in customer service; we work closely with them in an effort to keep you satisfied. 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!"**



58075 S.R. 13 South • P.O. Box 460 • Middlebury, IN 46540