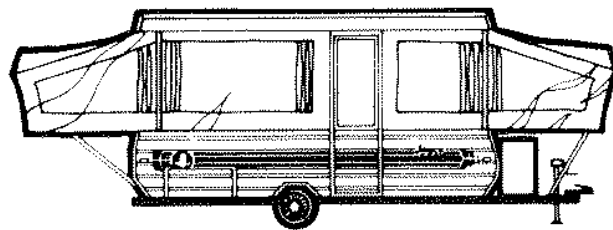
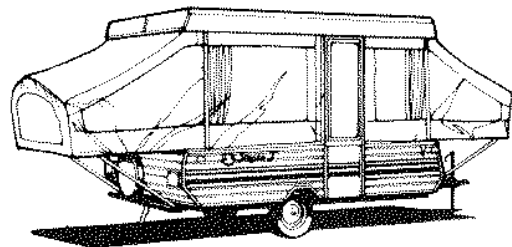
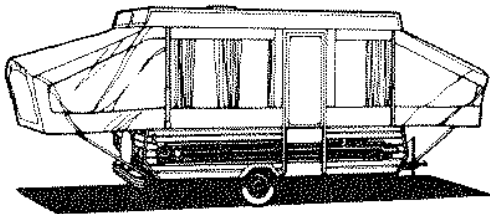


1993



FOLD DOWN



OWNER'S MANUAL

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. 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	Amount enclosed. \$	_____
Two years:	\$45.00	Check #:	_____
Three years:	\$65.00		

(signature) (date)

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CHAPTER I

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 L.P. GAS

You should check for leaks at the connections on the L.P.-gas system soon after purchase and initial filling of L.P. -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 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.

L.P.-gas is heavier than air. Leaking gas tends to flow to low places. It will sometimes pocket in a low area. L.P.-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 L.P.-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 BREAK 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 III 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 L.P.-gas, water, electricity, and loading.
12. Observe the maintenance chart in Chapter VII 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 produced 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 temporarily 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

WARRANTY & SERVICE



Three (3) and Five (5) Years LIMITED WARRANTY FOLD DOWN CAMPING TRAILERS AND SPORTSTERS

SUMMARY OF WARRANTY

Jayco, Inc. (Jayco) warrants to the original purchaser (You) of every Jayco Fold Down Camping Trailer and Sportster that the roof, floor and frame are free from substantial defects in material and workmanship Five (5) years for parts and Three (3) years for labor and parts, from the date of purchase under normal use and service. Other parts manufactured by Jayco are warranted for both parts and labor for Twelve (12) months from the date of purchase. This warranty does not apply to any defect in the aesthetics or physical appearance of the unit, nor to normal deterioration of the soft trim and appearance items due to wear and exposure.

HOW TO OBTAIN WARRANTY SERVICE

Any part of our manufacture proven substantially defective in material or workmanship during the One (1) and Three (3) year warranty periods will be repaired free of charge if the part is returned with transportation charges prepaid to an authorized Jayco dealer or Jayco, Inc., with return transportation at your expense. For the remainder of the Five (5) year period, warranty parts will be replaced, but necessary labor will be charged. If a factory or authorized service center is not available in your area, call direct to Jayco, Inc., A.C. (219) 825-5861 to arrange prompt and proper repair to your trailer.

EXCLUSIONS

Jayco assumes no responsibility or liability for defects in workmanship or operation of separately warranted products. These products may be warranted by the individual manufacturers and a copy of their warranty has been included in your owner's packet. Separately warranted products will not be serviced, repaired or replaced by Jayco, Inc. If service or parts are required for these products, refer to the furnished list of factory authorized service centers. If the list is not available for the particular product, write or call the manufacturer concerned to obtain the location of the nearest service center.

Jayco does not warrant components manufactured by others, including, but not limited to tires, ranges, ovens, furnaces, batteries, axles, hubs, bearings, power converters, refrigerators, burners, and brake systems. These parts may or may not be warranted by their manufacturers and Jayco, however, assumes no obligations with regard to them.

Snow loads must be removed from the roof to avoid damage to the roof.

This warranty shall not apply to normal maintenance, such as greasing wheel bearing, tightening lug nuts, keeping the areas where extrusions meet panels sealed, etc., that the vehicle will require nor to any damages arising from abuse or the failure to have such maintenance performed.

Fabric items such as canvas, canopies, window screenings, vinyl windows, cushion and mattress covers, are not warranted against leakage, tears, punctures, shrinkage, fading or soiling but are warranted only against defective workmanship and material. Installation of a roof air conditioner must be done at the designated area on the roof, by an approved Jayco dealer, or the roof, lifter system, and related components will not be warranted.

The vehicle is not a cargo trailer and the customer is advised to observe the recommended gross weight limit. COMMERCIAL USE OR RENTALS OF THIS VEHICLE AND ABUSE, NEGLECT, OR OPERATION OVER UNIMPROVED ROADS WILL VOID THIS WARRANTY.

DISCLAIMER OF DAMAGES

YOU AND ANY OTHER USER OF JAYCO PRODUCTS SHALL NOT BE ENTITLED TO ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES, including without limitation, loss of use of the unit, inconvenience, food, lodging, damage to personal property, lost income or earnings. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

DISCLAIMER AND LIMITATIONS OF IMPLIED WARRANTIES

JAYCO LIMITS ALL IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY TO THE WARRANTY PERIOD OF ONE YEAR. NO WARRANTIES, EXPRESSED OR IMPLIED, EXTEND BEYOND THE WARRANTY PERIOD. NO PERSON HAS AUTHORITY TO EXTEND, ENLARGE, OR MODIFY THIS WARRANTY. NO ACTION TO ENFORCE THIS WARRANTY MAY BE COMMENCED MORE THAN SIX MONTHS AFTER EXPIRATION OF THE WARRANTY PERIOD.

SOME STATES DO NOT ALLOW LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

PARTS AND DESIGN CHANGES

Jayco may make parts and design changes from time to time without notice and repairs or replacements may be made with new or different parts.

WARRANTY REGISTRATIONS

Your warranty registration records should be completed and delivered to the manufacturers of component parts, as they may be a condition of the warranty. THIS JAYCO WARRANTY IS VOID UNLESS YOUR WARRANTY REGISTRATION CARD IS RETURNED TO JAYCO.

JAYCO, INC.
P.O. BOX 460 • MIDDLEBURY, INDIANA 46540
PHONE: (219) 825-5861

Revised 07/01/88 Litho U.S.A.



**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-out 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 PROCEDURE

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 steps listed below 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 working relationship.
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) 825-5861

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 R.V. 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 219-825-5861 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 219-825-5861 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 III

USAGE 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	14"	J-Series 1208,1206 & 1406	14"
King 6	14"	J-Series 1008 & 1006	16-1/2"
		J-Series 806 & 806 SD	15"
		Eagle 8	15"
		Eagle 10	16-1/2"
		Esprit	16-1/2"

LOADING

Loading camping gear in your Jayco recreational vehicle should be given serious consideration. ALL cargo, supplies and 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 store 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: 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 your trailer should weigh with water, L.P. Gas, food, clothing, and other camping supplies loaded in the coach when attached to tow vehicle.

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

See the Weight Listing & Rating Chart below as to how much actual weight you may carry in your model of tent camper.

WEIGHT SPECIFICATIONS

Model	Empty Weight	GVWR	Brakes
Cardinal SD	2220	3330	Std.
Cardinal 8	2155	3330	Std.
King 6 SD	1910	2625	Std.
1206BB	1615	2440	Std.
J-1406	1970	3330	Std.
J-1206	1615	2440	Std.
J-1208	1600	2440	Std.
J-1008 SG	1320	2210	Opt.
J-1006	1350	2210	Opt.
J-806	1125	1770	Opt.

Weight Specifications con't...

	Empty Weight	GVWR	Brakes
Esprit	1270	2190	Opt.
806 SD	1135	1770	Opt.
Eagle 8	1090	1770	Opt.
Eagle 8 SD	1100	1770	Opt.
Eagle 10	1270	2190	Opt.

*Empty weights are with standard equipment.

Note: A. All units are in pounds.

B. All weights may vary somewhat with different units.

C. All weights are subject to change without notice.

OPTION WEIGHT LISTING

	J-1006 &								Eagle	Eagle
	Card.	King	Esprit	J-1208	J-1008	J-806	J-1206	J-1406	8	10
Spare	26	27	23	26	23	16	26	26	16	23
Heater	19	19	19	19	19	19	19	19	19	19
Hyd.Brakes	S	S	50	S	50	50	5	S	50	50
Elec.Brakes	-	-	30	-	30	30	-	-	-	-
L.P.Gas	-	-	-	-	-	S	-	-	-	-
Water -	-	-	-	-	S	-	-	-	-	-
Kitchen	-	-	-	-	-	S	-	-	-	-
Awning	30	28	26	28	26	25	28	30	25	26
Screen Room	16	16	14	16	14	10	16	16	10	10
Add-A-Room	30	28	25	28	25	24	28	30	24	25
Refer RM2190	33	33	NA	33	33	33	33	33	N/A	N/A
Refer RM2201	50	50	NA	50	50	50	50	50	N/A	N/A
Refer RM2310	72	72	-	NA	-	-	72	72	N/A	N/A

Note: RM2190 not available in Cardinal SD.

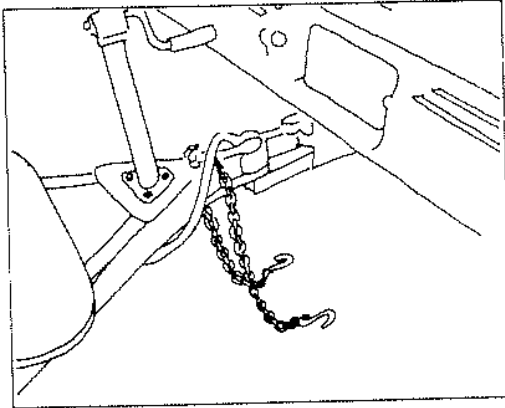
RM2310 available only in Cardinal, King, 1206, & 1406 units.

LP Gas weighs 4.25 lbs. per gallon.

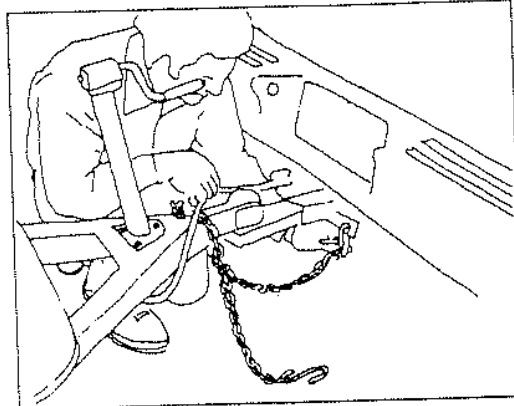
Water weighs 8.32 lbs. per gallon.

THE SAFETY CHAIN

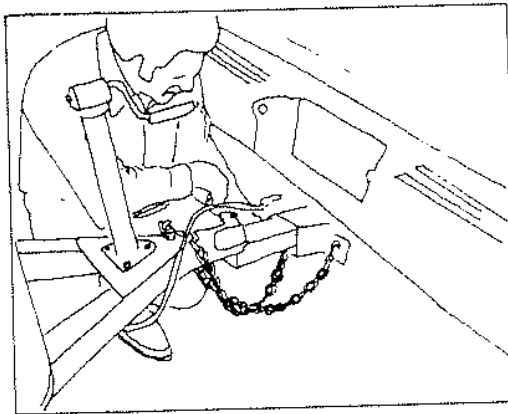
There are different safety chain requirements by the various states. As delivered by your dealer, your vehicle is equipped with chains to meet SAE standard requirements for maximum gross trailer weight. Always have the safety chain (s) attached when towing. Install them in a manner so they do not restrict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



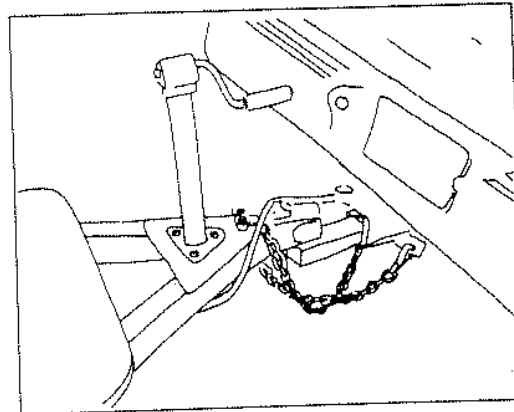
1. Inspect chains to determine that they are properly attached to trailer frame.



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	Inflation P.S.I. Cold
Cardinal	20.5 x 10	C	1105	50
King	20.5 x 10	D	1330	70
Esprit	5.30 x 12	C	1045	80
J-1406	20.5 x 10	C	1105	50
J-1208 & 1206	20.5 x 10	C	1105	50
J-1008, 1006 & Eagle 10	5.30 x 12	C	1045	80
J-8-6, 806SD & Eagle 8	5.70 x 8	C	910	75

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.

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.

BACKING YOUR TRAILER (HYDRAULIC)

As designed, the weight of a camper pushing forward will activate the surge brake system. When backing the 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 the correct position when pulling forward.

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.

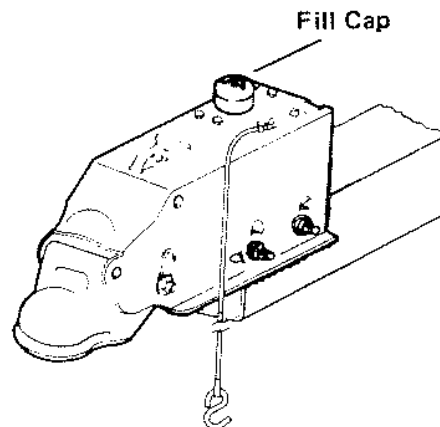
Should the trailer separate from the tow vehicle, the break-away cable will actuate the master cylinder, locking the brakes. This will stop the trailer in the shortest possible distance.

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. Optimum 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.

SET-UP

OPENING YOUR JAYCO 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 canvas tent hosed down with water thoroughly. After the canvas dries, repeat the soaking process two additional times. This process acts to seal areas where the canvas 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.

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. Insert the raising crank into position and crank in a clockwise direction to raise. Fig. 2

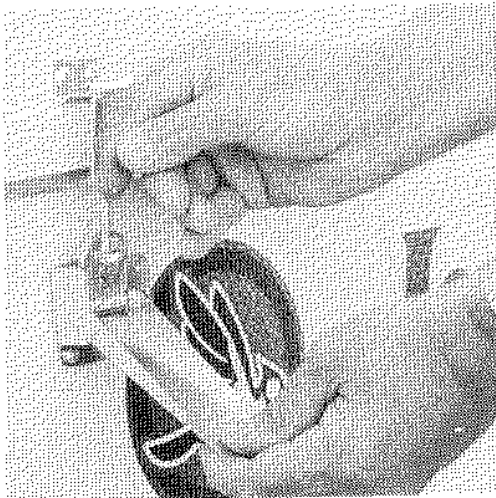


Fig. 1

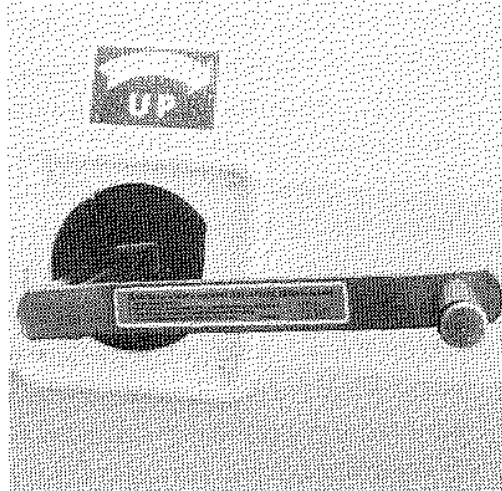


Fig. 2

3. Continue cranking until the gauge cable is almost tight. The red safety gauge cable is located directly above the crank position. Fig. 3
4. The next step is to release self-storing stabilizer jacks (Fig. 4) and set them as needed. Fold down units have their stabilizer jacks built into the frame. To operate these units which are spring loaded, hold the jack and push to the center of your unit. This will allow the jack to move out of its traveling position and allow it to drop into place. 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 will 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.

CAUTION: Do not raise camper in cold weather. Doing so may cause the panels to crack.

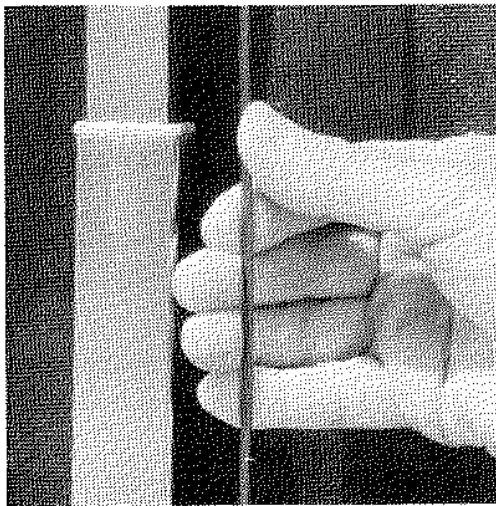


Fig. 3



Fig. 4

5. Pull end bunks out until bunk hits the bed stops. Pull canvas around the bed corners. **Be sure beds are extended all the way out.**
6. Place bed support pole in bed bracket and set the other end into slot on frame of camper.

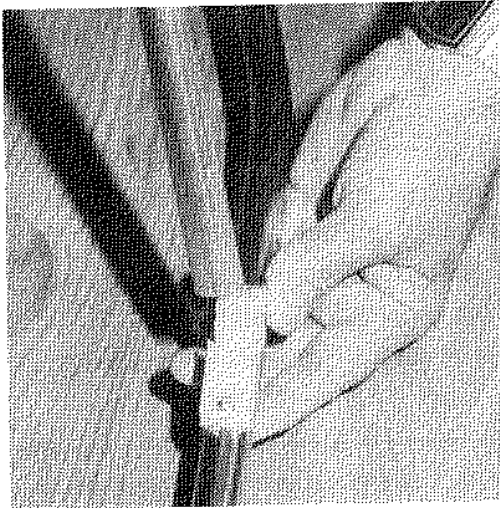


Fig. 5

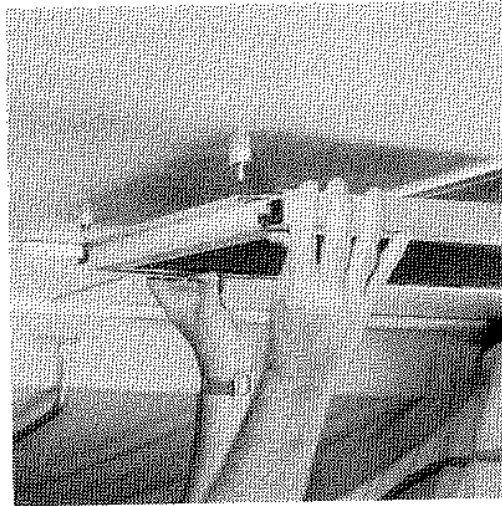


Fig. 6

7. 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
8. 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
9. 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
10. Set up any cabinets which are in the folded position such as wardrobe and flipover kitchen. Hook elastic cord over small nylon pulley on bottom side of bed. Fig. 8

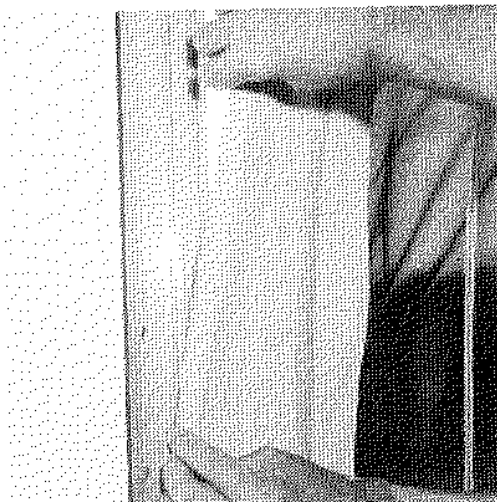


Fig. 7

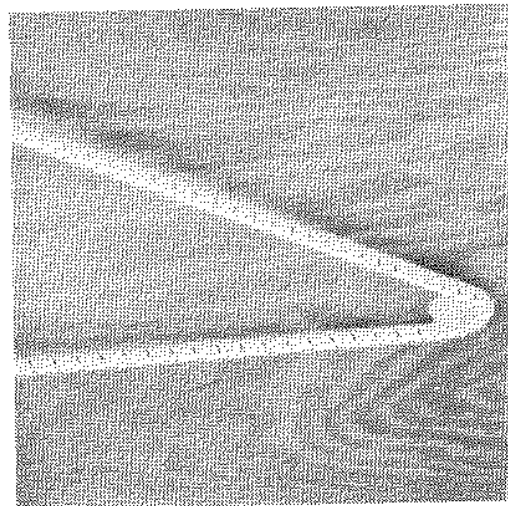
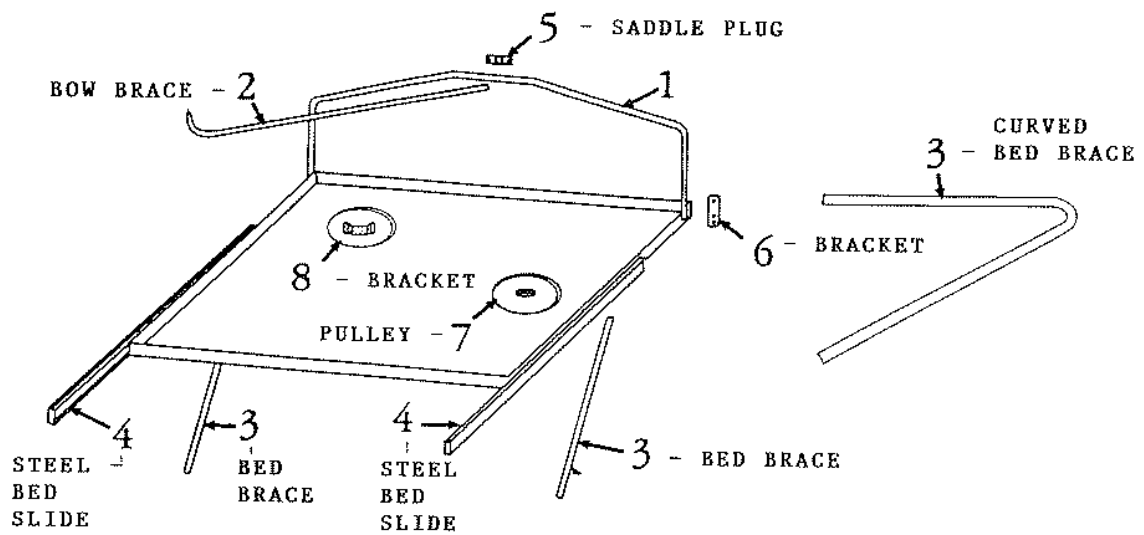
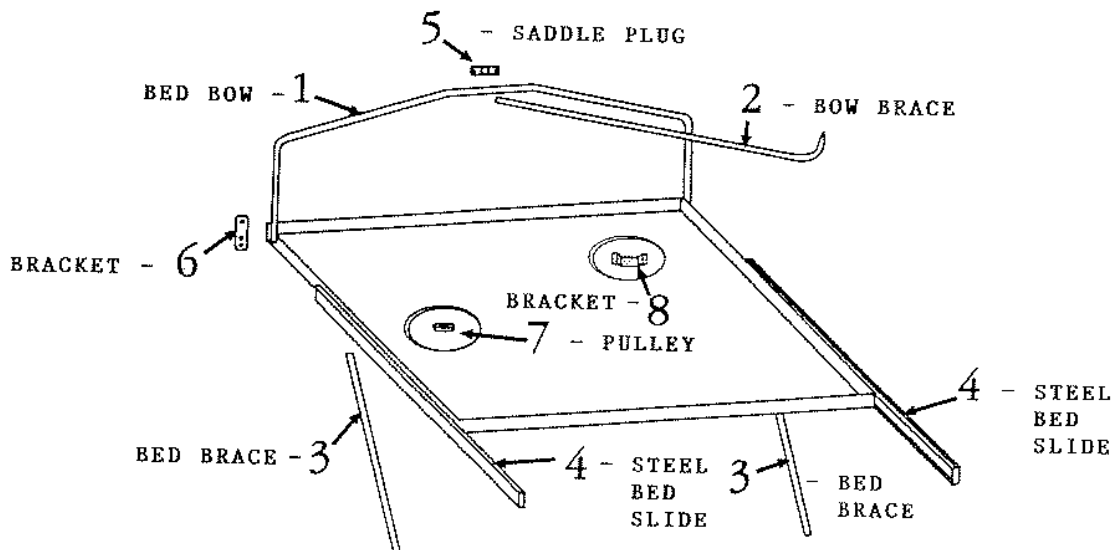


Fig. 8

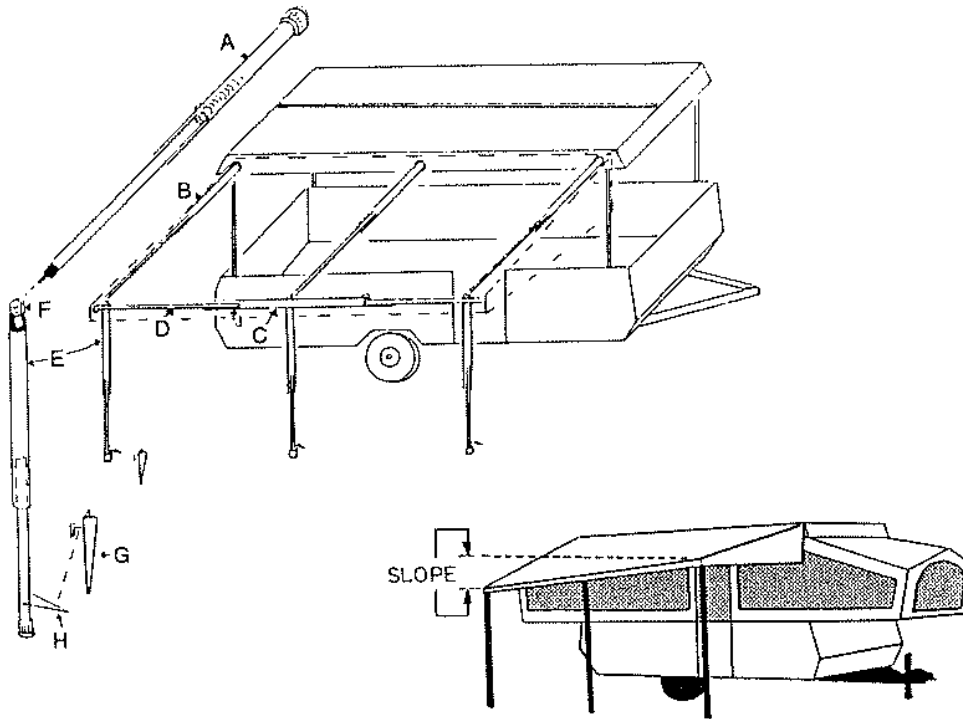
Parts List for Front Beds "J" & Designer Fold-Downs



Parts List for Rear Beds "J" & Designer Fold-Downs



CANOPY SET UP INSTRUCTION SHEET



A..White Crutch Tip
 B..Tension Rafter
 C..Center Spacer Bar
 D..End Divider Bar

E..Twist Pole (Twist Lock)
 F..Twist Pole "Eye" Insert
 G..Stake
 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 side if heavy rain is anticipated.

CLOSING YOUR JAYCO CAMPER

To close, simply reverse the above procedure beginning with Step. No. 11 and ending with Step No. 1. It is possible, due to an unlevel campsite, that one corner may "hang up" when you crank down your unit. This is not a serious problem and is due to binding of the lifter arm. To solve this problem, shake the camper gently to move the roof back and forth, allowing it to come down. Never force the hung up corner down by grabbing the roof and applying your weight. This could damage the lifter arm. If the roof is persistent in sticking, crank up again and start over.

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

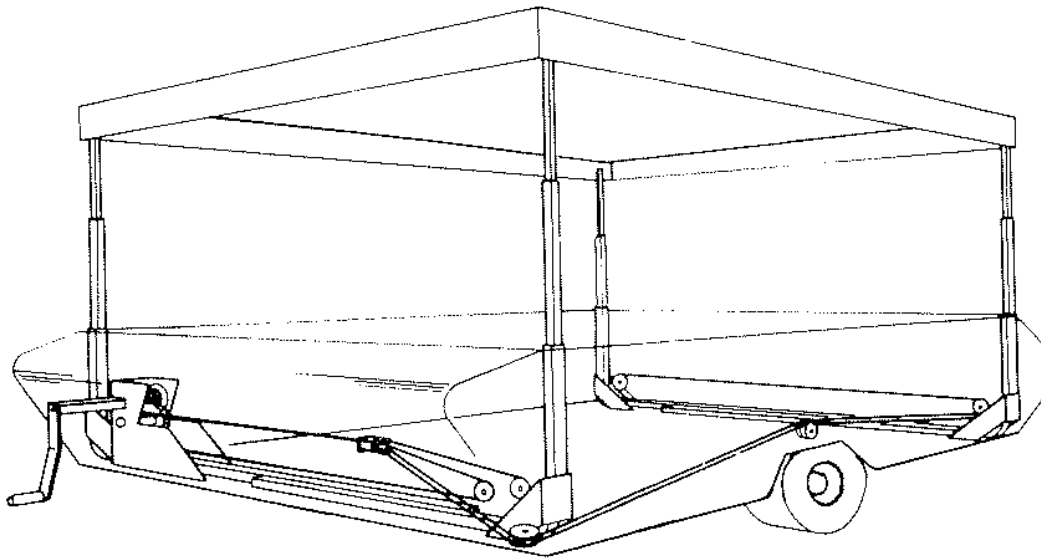
CAUTION: If stabilizer jacks are down while roof is being cranked up or down it is very possible to have the unit in a bind causing lifter system to hang up.

After roof is totally down and roof latches secured, before removing crank, tighten cable system with a slight tension turning as you were raising camper. This will avoid cables becoming too loose and becoming tangled with each other.

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.

CAUTION: Never attempt to crank roof up with boat or any item on roof.





LIMITED WARRANTY

FOLD DOWN CAMPER LIFTER SYSTEM

SUMMARY OF WARRANTY

Jayco Inc. (Jayco) extends to the original retail purchaser (Purchaser) a limited warranty on its Jayco lifter system in Jayco recreational vehicles against defects in material or workmanship for the lifetime of the recreational vehicle.

COMPANY'S OBLIGATIONS

If the lifter system is determined to be defective during the warranty term, Jayco will remedy the defect without charge within a reasonable time after receipt of written notice, either by repair or replacement. Warranty service may be obtained from Jayco or its authorized dealers, or persons designated by Jayco dealers. In the event Purchaser has a defective lifter system repaired by an unauthorized service person and said repairs are covered by this Warranty, Jayco shall be liable only for costs of those repairs up to the amount that Jayco would have incurred if Jayco or an authorized dealer had made the repairs.

Warranty performance will commence within a reasonable time after Jayco's receipt of written notice of the defect and will be completed within a reasonable time, subject to availability of parts and scheduling.

ITEMS EXCLUDED FROM WARRANTY

This warranty does not cover defects caused by:

1. Negligence in operation and maintenance.
2. Misuse of lifter system.
3. Damage not resulting from defect or malfunction (act of God).
4. Any damage whatever if caused by or related to any alteration Jayco lifter system.
5. Claims relating to unauthorized repairs, damage or defects.

PURCHASER'S OBLIGATIONS

Purchaser shall give written notice to Jayco at the address set forth herein within a reasonable time after discovery of the defect. The written notice should contain the following information:

1. Name and mailing address of Purchaser.
2. Proof of date of purchase.
3. Model, year and serial number of the unit.
4. Name and address of dealer from whom unit was purchased.
5. Description of the defect.

All costs incurred by Purchaser in transporting the Jayco lifter system for warranty service shall be borne by Purchaser. No action to enforce this Warranty shall be commenced later than three (3) months after the expiration of the warranty period.

DISCLAIMER OF CONSEQUENTIAL OR INCIDENTAL DAMAGES

Repair or replacement under this Warranty is the exclusive remedy of the Purchaser. JAYCO SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY DEFECT IN THE JAYCO LIFTER SYSTEM. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

LIMITATION AND DISCLAIMER OF IMPLIED WARRANTIES

JAYCO EXPRESSLY LIMITS ALL IMPLIED WARRANTIES TO THE WARRANTY PERIOD. JAYCO EXPRESSLY DISCLAIMS WITH RESPECT TO THE JAYCO LIFTER SYSTEM ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND ALL IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AFTER EXPIRATION OF THE WARRANTY PERIOD. There is no warranty of any nature made by us beyond that contained in this warranty. No person has authority to enlarge, amend, or modify this warranty.

Some states do not allow limitations on how long an implied warranty lasts so the above limitation may not apply to you. This warranty gives you specific legal rights and you may also have other legal rights which vary from state to state.

PARTS AND DESIGN CHANGES

Jayco may make parts and design changes from time to time without notice and repairs or replacements may be made with new or different parts.

All inquiries regarding this Warranty should be sent to:

JAYCO, INC.
58075 STATE ROAD 13 SOUTH • P.O. BOX 460 • MIDDLEBURY, INDIANA 46540
TELEPHONE: (219) 825-5861

Revised 6/10/86

Litho U.S.A.

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.

<p>CAUTION: Chlorine solution concentrations exceeding recommended levels may damage the water system.</p>

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.

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.

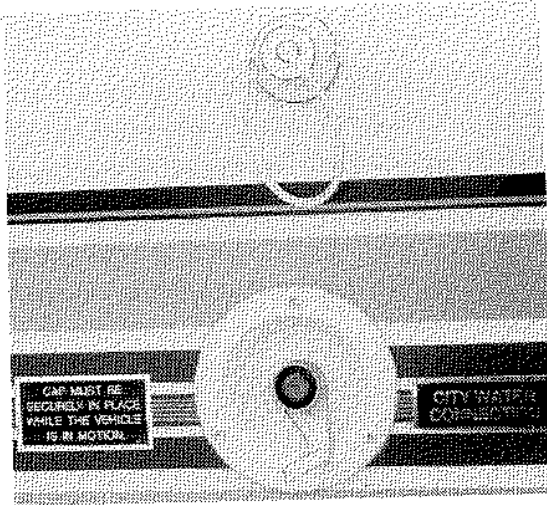


Fig. 9



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.

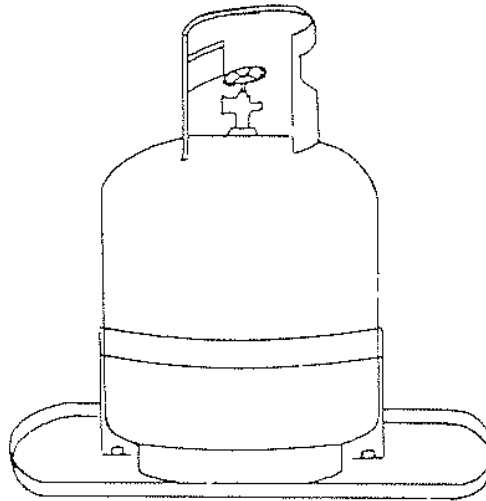
WINTERIZATION

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 not evaporated from trap under sink, 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 6-

1/2 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.

CAUTION: 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. 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.)		12,000 - 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)

NOTE: Yellow may be used for stop circuit for foreign car wiring on J-Series units only. Taillight lenses may need to be changed when using this circuit for stop circuit.

NOTE: There are no fuses in any of these six wires except as noted on two models.

BULB REPLACEMENT SIZE

Taillight - #1157

Clearance - #194

Back-Up - #1156

Entrance - #1003

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 (King and Cardinal) 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 manufacture due to loading heights of carrying equipment.

CHAPTER V

APPLIANCES

STOVE AND/OR OVEN

Three different types of stoves are available in Jayco fold down campers depending on floor plans and models.

1. A two or three burner drop-in stove is standard for most campers, permanently installed.
2. A two or three burner drop-in stove is built into a small cabinet top assembly to be removed and used either inside or outside of coach.
3. A four-burner stove/oven combination is available on some floor plans.

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. Listed below 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. Two types are being used due to availability.

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".

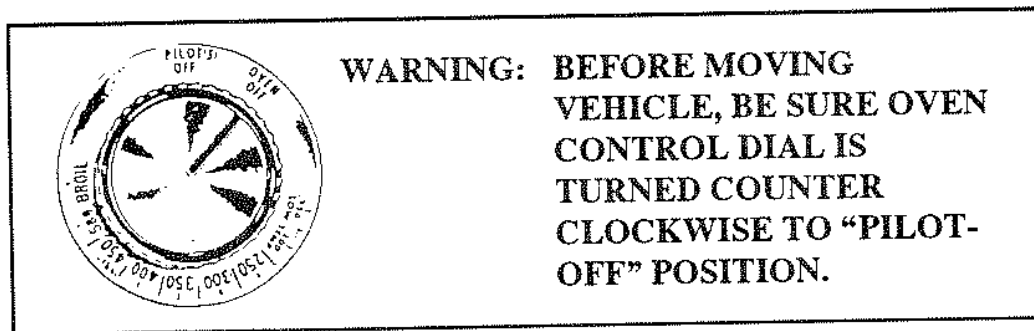
To remove stove from the inside of the camper to the outside, after coach is in a camping position:

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.



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 three types of refrigerators available for Jayco fold down campers.

1. **RM2190** 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. **RM2201** operates on LP gas, 110 volt, and 12 volts desired, as it has a three-way energy source.

3. **RM2310** (optional on all 12' & 14' models only) 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:

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.

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.

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.

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 re-painting 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 to insure good continued sealing. 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 to periodically inspect the exterior exposed areas, clean and repaint the steel members to insure long life.

DRAPES

Your drapes are manufactured from a combination of rayon and cotton on Designer Series campers. On J-Series drapes are a combination of acrylic and polyester material. Both types of drapes must be dry cleaned only for best results.

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

CUSHIONS

CAUTION: DO NOT DRY CLEAN

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

DO NOT REMOVE COVERS

If covers are removed it may be difficult to reinstall covers due to possible shrinking.

To clean your cushion and bed mat covers it is recommended to frequent vacuuming or light brushing to remove dust and grime for prevention of overall soiling.

1993-Designer Series Dinette Cushion Covers

Spot clean using the foam only from a water-based cleaning agent such as a mild detergent. Apply foam with soft brush in a circular motion. Vacuum when dry. Pretest a small area before proceeding. Use a professional cleaning service when an overall soiled condition has been reached.

1993-J-Series Dinette Cushion Covers, All Bed Mats

Spot clean, using a mild water-free solvent or dry cleaning product. Clean only in a well ventilated room. Avoid using toxic materials. Pretest a small area before proceeding. Use professional cleaning service if badly soiled.

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 is properly taken care of it should last indefinitely. Be sure your canvas and trailer has good ventilation whenever possible, especially after a rainy period. The largest cause of damaged canvas is mildew, which is the result of storing your unit for any short period of time with a damp or wet canvas. This is even more important in coastal states which have a damp atmosphere.

THE CARE & REPAIR OF EVOLUTION 3 TENT FABRIC

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.

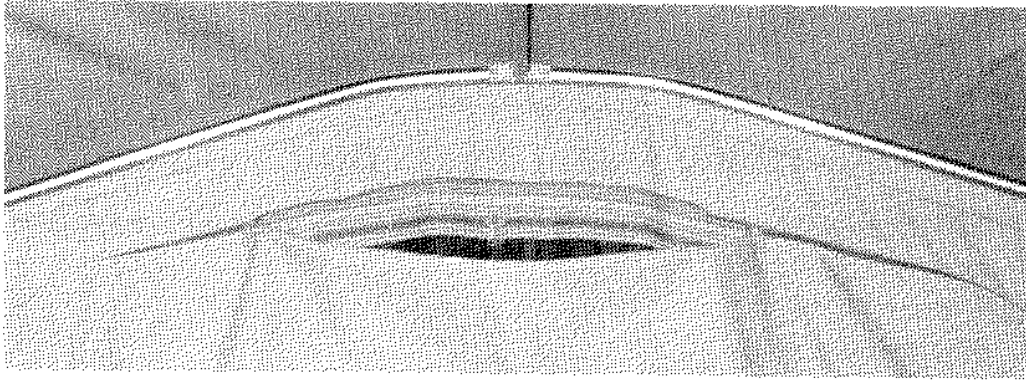
The above procedure may also be used to correct spot fabric leaking caused by accidental contact with insect repellents and sprays.

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

<p>CAUTION: Always be sure the canvas 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 a heater is used or not.

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 cushioned linoleum floor covering, wash and wax as you would in your home.

Avoid excessive application of water on new floor as it may cause lifting and curling of the tile. It is best to establish a good coating of wax around edges.

CHAPTER VII

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.

CHAPTER VII

MAINTENANCE

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.

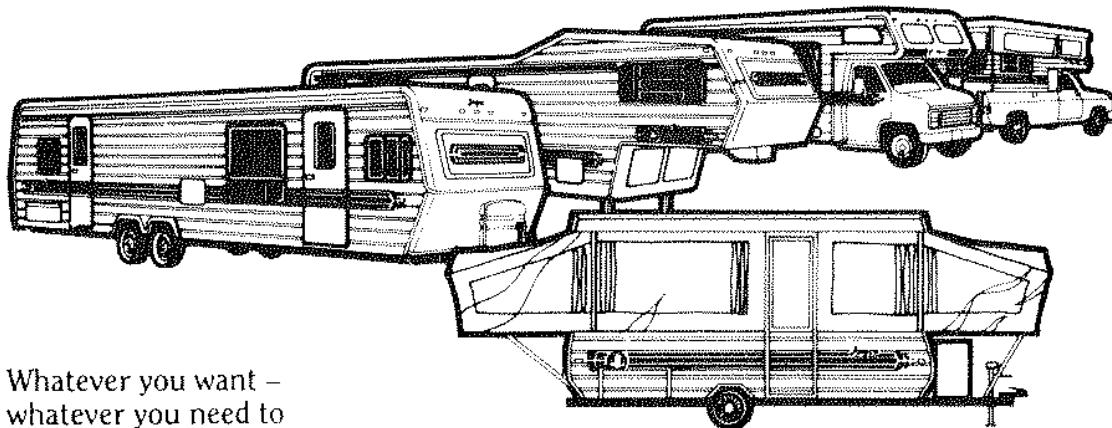
COMPONENT	MAINTENANCE	AVOID
Wheel Bearings	<p>The wheel bearings in your new Jayco tent camper are pregreased. It is recommended that you repack these bearings at 5,000 miles or at the end of each season's camping to prepare for winter months ahead.</p> <p>Be sure to use only a multipurpose No. 1 or 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
Lug Bolts	<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>WARNING: DO NOT ignore checking wheel lug bolts.</p>
Coupler	<p>Use a small quantity of grease 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>	
Tongue Jack	<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>	
Tires	<p>It is very important to check tires often as noted on page 12 of Chapter III.</p>	<p>DO NOT ignore checking tire P.S.I. pressures often.</p>
Brakes	<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</p>	<p>It is very important to keep brakes adjusted as poorly adjusted brakes will not function correctly.</p>

COMPONENT	MAINTENANCE	AVOID
Master Cylinder	5,000 miles or at beginning of each season's camping trips. Check cap for tightness periodically. Make sure cylinder is at full mark. Use Dot 3 automotive brake fluid.	
Lifter Posts	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.
Winch	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.	
Cables	Pulleys and cables need no lubricant at any time.	
Push Rod	We suggest you grease the flexible push rod in each corner (once every 3 years of use) with regular chassis lube.	
L.P. Gas System	At the beginning of each season: 1. Inspect all gas lines for crimps and road damage. 2. Check all lines and connections for leakage with soapy water or leak detector. 3. We recommend that you have the regulator checked and adjusted to proper pressure once per year. A gas leak check should be performed at least once a year by a qualified technician.	DO NOT smoke while changing bottles or any lines. DO NOT allow any connection to be loose.

COMPONENT	MAINTENANCE	AVOID
Bed Slides	Be sure to lubricate bed slides twice per year with silicone spray as you do the lifter posts.	
Appliances	<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.
Evolution 3 Tent Fabric	<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

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