

# 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.

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# 1-812-284-0276

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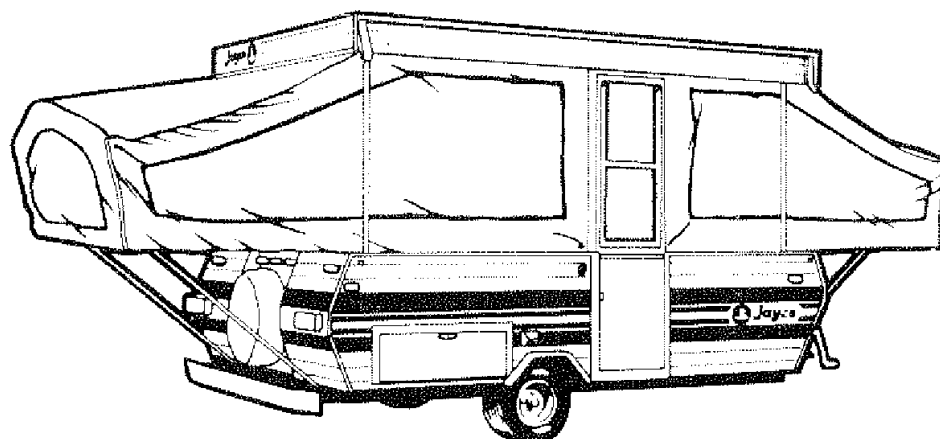
<http://parts.cunninghamcampers.com/jayclub>

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



# OWNER'S MANUAL

**BUILT WITH  
CARE TO BE  
OWNED WITH PRIDE!**



# WELCOME

On the behalf of Jayco Incorporated we would like to thank you for purchasing your new Jayco R.V. vehicle. We have carefully engineered and manufactured your R.V. with available quality materials. We at Jayco believe in quality and this is why we emphasize quality in every possible way to our employees. For this reason, our company has grown rapidly in our short period of being in business.

As a manufacturer of recreational vehicles we depend on our customer's satisfaction to stay in business. That's why we stand behind our products with our warranty and customer service program to do everything reasonable to keep you a satisfied customer if and when a problem arises.

We hope you'll enjoy the outdoors as much as we do. Camping is a wonderful way to relax and travel with your family. Remember, dispose of your litter and trash when you break camp so others can enjoy the outdoors and nature as much as you did. Please join our fight for a cleaner world.

The Jayco Management

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## CHAPTER I

# INTRODUCTION TO R.V. OWNERSHIP

### WELCOME

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.

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.

We have made every effort to make this manual as accurate as possible in order to reflect information available at time of publication. Products are constantly being improved and we endeavor to upgrade our installations accordingly. 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, and is not intended to substitute for these publications.

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.

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. Happy Camping!

## **SAFETY CONSIDERATIONS**

### **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 easily with a soapy water solution applied to the outside of the gas piping connections. 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 your authorized dealer 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 any 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 appliance 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. 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.

### **SAFETY WHEN EMERGENCY STOPPING**

Always carry road flares 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.
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. Use seat belts (motor homes) at all times.
10. Disconnect television power cord and antenna lead-in during local thunderstorms and lightning activity.
11. Always solidly block trailer wheels before unhitching.
12. 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, and the dolly wheel removed, 110-volt electrical cord properly stored, safety chains are connected, and all interior lights off.
13. Observe the warning labels attached to your vehicle concerning L.P.-gas, water, electricity, and loading.
14. 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.

## CHAPTER II

# WARRANTY & SERVICE



## LIMITED WARRANTY

### SUMMARY OF WARRANTY

Jayco, Inc., (Jayco) warrants to the original purchaser (you) of every Jayco unit that all parts of our manufacture are free from substantial defects in material and workmanship for a period of one (1) year from the date of purchase under normal use and service. 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 manufactured product proven substantially defective in material or workmanship during the warranty period 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. 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 repairs to your unit.

### 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 engine, drive train, transmission, chassis, tires, and tubes, ranges, ovens, furnaces, batteries, axles, hubs, bearings, power converters, refrigerators, burners, and trailer brake systems. These parts may or may not be warranted by their manufacturers and Jayco, however, assumes no obligations with regard to them.

This warranty shall not apply to normal maintenance, such as, greasing wheel bearings, tightening lug nuts, etc., that the vehicle will require nor to any damages arising from 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 as against defective workmanship and material.

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, 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, EXPRESS 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  
(219) 825-5861



# CUSTOMER DELIVERY FORM

JAYCO, INC.

P.O. BOX 460  
58075 R.R. 13  
MIDDLEBURY, INDIANA 46540  
(219) 826-6861

OWNER'S NAME		DEALER NAME				
ADDRESS		ADDRESS				
CITY		CITY				
STATE		STATE				
PURCHASE DATE		TRAILER SERIAL NO.				
TIRE SERIAL NO.	1	2	3	4	5	6
CHASSIS SERIAL NO.	CHASSIS TYPE:			ENGINE NO.		

ALL ITEMS MUST BE CHECKED OFF BY DEALER AS LABOR IS PERFORMED

1. Safety precautions explained to owner on L.P.-Gas system. YES ☐ NO ☐
2. Location of L.P.-Gas connections shown to owner and informed how to make periodic leakage check by use of soapy water. YES ☐ NO ☐
3. Owner shown how to light and/or operate the following appliances by actual operation of them:

	Brand	Model No.	Serial No.	YES	NO
Stove				<input type="checkbox"/>	<input type="checkbox"/>
Furnace				<input type="checkbox"/>	<input type="checkbox"/>
Refrigerator				<input type="checkbox"/>	<input type="checkbox"/>
Water Heater				<input type="checkbox"/>	<input type="checkbox"/>
4. Operation of Electrical System explained and demonstrated. YES ☐ NO ☐
5. Operation of Fresh Water System including filling of tank. YES ☐ NO ☐
6. Shown how to operate Drainage System. YES ☐ NO ☐
7. Care and operation of toilet. YES ☐ NO ☐
8. Explained winterization of unit. YES ☐ NO ☐
9. Owner shown how to hook-up and unhook trailer, also removal of dolly wheel for travel. YES ☐ NO ☐
10. Tire pressure checked and importance explained. YES ☐ NO ☐
11. Proper parking and setup procedure of unit in preparation for camping explained. YES ☐ NO ☐
12. Given coach keys and owner's packet. YES ☐ NO ☐
13. General appearance - no visible damages. (Interior and Exterior) YES ☐ NO ☐
14. Operation of trailer brakes explained and periodic adjustment required. YES ☐ NO ☐
15. Check and explain the tightening of lug bolts as in manual. YES ☐ NO ☐
16. Check and explain importance of Warranty Cards as supplied by manufacturers of appliances and component items. Copy of warranty was made available before purchase. YES ☐ NO ☐

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

Dealer's Signature

Customer 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 return this form within 5 days after delivery of this trailer to Service Department.

## **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 below listed steps in this order.

1. Contact your selling dealer's service department for an appointment. Describe to the best of your knowledge the nature of the problem. Please keep appointments to establish a good, workable relationship and proper attitude.
2. Contact the owner or General Manager of the dealership should the initial attempt fail with the service department.
3. Contact the:

Customer Relations Dept.  
Jayco Incorporated  
P.O. Box 460  
Middlebury, IN 46540  
Phone: (219) 825-5861

Give all the above information as requested along with serial number of the coach in question. We will make every reasonable attempt to resolve your problem.

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

### **DEALER**

Your authorized Jayco dealer has inspected and serviced your new Jayco R.V. unit according to our pre-delivery inspection requirements. He is authorized to service and maintain your coach as need be. All warranty requirements are to be performed by the selling dealer unless Jayco gives prior approval.

Some R.V. dealers may, at the time of need, be authorized service centers for certain manufacturers of separately warranted products.

so it will pay you to check with your dealer first to reduce delays. If the dealer is not an authorized service center for the product in question, he should 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.

1. Your dealer **must** make an appointment prior to returning it to the factory service department.
2. Jayco does not accept collect phone calls.
3. 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 Relations Department 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**

It is the owner's responsibility to properly maintain his/her new Jayco R.V. and be observant to any possible problems in warranty or otherwise. Negligence is not covered by warranty. Your R.V. coach should be checked visually before leaving on a camping trip, especially an extended trip. Regular maintenance is important and can save frustration in the event of breakdowns.

If warranty service is needed while traveling, contact our Customer Relations Department and you will be directed to proper personnel. To have warranty service provided at a non-Jayco unauthorized service center, it **must have prior approval**. Any unauthorized repairs will void warranty on your Jayco coach.

The return of defective parts is required for warranty coverage should repairs be made at either an authorized or non-authorized service center. The returned parts are subject to approval by Jayco's warranty administrator before reimbursement can be made.

Please keep your owner's manual, service center list for separately warranted products, your copy of "Limited Warranty and Customer Delivery Form", and any other related papers in your trailer.

## 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 tow vehicle which could definitely be a factor of ball height after coach is completely hooked up.

### SPECIFICATIONS

Model	Height	
Cardinal	17 3/4"	1781
King 6	17"	12-3/4
King 8	17"	12-3/4
Swift	17 1/2"	12 3/4
Dove	15 1/2"	12 3/4
Thrush	15 1/2"	15 1/4
Finch	15 1/2"	15 1/4
Flight 8	17"	15 1/4
Flight 6	14 1/4"	17
		14 1/4
		Featherlite I 14 3/4
		Featherlite II 14 3/4

### LOADING

Loading camping gear in your Jayco recreational vehicle should be handled with some serious consideration. All cargo, supplies, and equipment that you load should be distributed evenly with the heaviest items being stored in the lower cupboards and shelves and only lightweight items in the upper cupboards. Be sure that all heavy items are tightly secured to prevent weight shifts while traveling.

For every pound added behind the axle center you need to add two pounds in front of the axle center, in order to maintain approximately the hitch weight of the tongue.

### CARGO CAPACITY

Located 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 Actual Weight*	1981	GVWR	1981	Cargo** Capacity	1981	Brakes
Jay Cardinal	2180	2190	3915	3265	640	1050	Std.
Jay King 6	1810	1840	2695	2655	490	755	Std.
Jay King 8	1760	1790	2695	2655	525	800	Std.
Jay Swift	1790	1820	2695	2655	505	775	Std.
Jay Thrush	1485	1495	2480	2440	565	875	Opt.
Jay Dove	1490	1505	2480	2440	565	865	Opt.
Jay Finch	1170	1170	1980	1985	430	755	Opt.
Jay Flight 6	990	990	1975	1980	465	715	Opt.
Jay Flight 8	1340	1255	2195	2225	430	805	Opt.
Featherlite I	690	1500	400	N/A			
Featherlite II	825	1500	400	N/A			

\*Empty weights are with standard equipment.

\*\*Cargo capacities are after all water and L.P.-gas have been added.

Note: A. All units are in pounds.

B. All weights may vary 5% + or —

C. All weights are subject to change without notice.

### OPTION WEIGHT LISTING

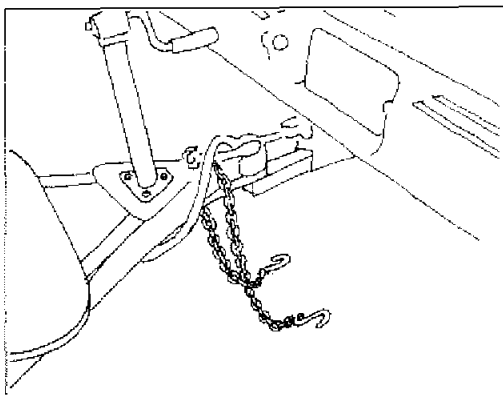
	Card.	King	Swift	Thru.	Dove	Finch	FT-8	FT-6	FT-6
Spare	28	28	28	28	28	28	21	15	15
Heater	36	36	36	36	36	36	36*	36*	37*
Refer 2	--	--	--	57	57	57	57	57	N/A
Brakes Hyd.	Std.	Std.	Std.	50	50	50	50	50	N/A
Brakes Elec.	--	--	--	30	30	30	30	30	N/A
Gas (per Bottle)	20	20	20	20	20	20	20	Opt. 20	20
Water	120	120	120	80	80	80	40	Opt. 20	20
Awning	30	28	26	26	26	25	26	25	24
Screen Room	16	16	16	14	14	10	14	10	9
A. A. Room	30	28	28	25	25	24	25	24	N/A

\*A convertor or battery pack needs to be added.

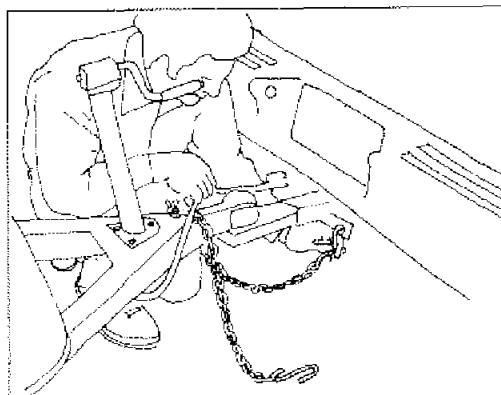
Featherlite II only

## THE SAFETY CHAIN

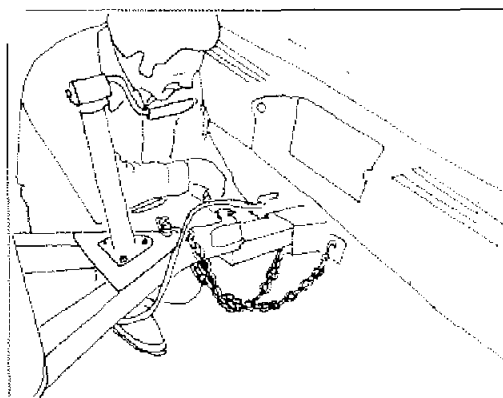
There are different safety chain requirements by the various states. As delivered by your dealer, your vehicle is equipped with chains to meet SAE standard requirements for maximum gross trailer weight. Always have the safety chain (s) attached when towing. Install them in a manner so they do not restrict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



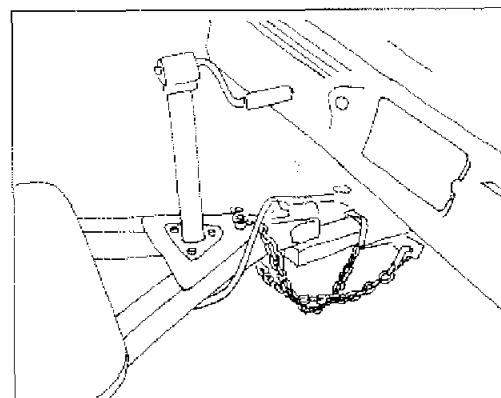
1. Inspect chains to determine that they are properly attached to trailer frame.



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.



## WHEEL LUGS

When the wheels are installed on your Jayco the lug bolts must be tightened at 85-95 foot pounds of torque. Because of the possibilities that these wheel lugs could 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.

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

1980+81

TIRE CHART

Model	Tire Size	Load Range	Maximum Load	Inflation P.S.I. Cold
Flight 6	5.70 x 8	C	910	75
Flight 8	5.30 x 12	C	1045	80
Cardinal	20.5 x 8.0 x 10	C	1105	50
Thrush	20.5 x 8.0 x 10	C	1105	50
Finch	20.5 x 8.0 x 10	C	1105	50
Dove	20.5 x 8.0 x 10	C	1105	50
King	20.5 x 8.0 x 10	D	1330	70
Swift	20.5 x 8.0 x 10	D	1330	70

## BRAKES

Several models of fold down units have hydraulic surge brakes as standard and others are optional. (See specification 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.

First of all, 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)**

Your brake system may be designed to operate with hydraulic surge brakes. This means that the back-up braking is only 10% of the effectiveness of the forward braking. All backing must be done slowly, however, so not to fully engage the brakes.

If difficulty is experienced in backing, have a qualified mechanic check the brakes at the first opportunity. **UNDER NO CIRCUMSTANCES SHOULD ANY ATTEMPT BE MADE TO BLOCK OUT OR JAM THE HYDRAULIC BRAKE SYSTEM.**

## 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.

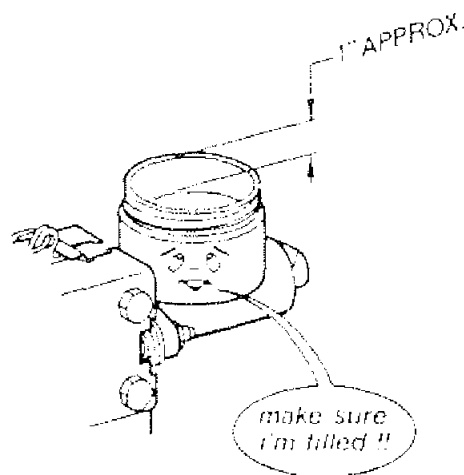
Should the trailer separate from the tow vehicle, the break-away cable will actuate the master cylinder, locking the brakes. This will stop the trailer in the shortest possible distance.

**CAUTION:** Break-away switch should be fully released during vehicle operation. **CHECK BEFORE TOWING.**

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

## BRAKE MAINTENANCE & LUBRICATION

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



## 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.

1. Unfasten each corner latch. **CAUTION: NEVER TRY TO CRANK UP THE ROOF UNTIL ALL FOUR CORNER LATCHES ARE UNLOCKED AND FREE.**
2. Insert the raising crank into position and crank in a clockwise direction to raise.



Fig. 1

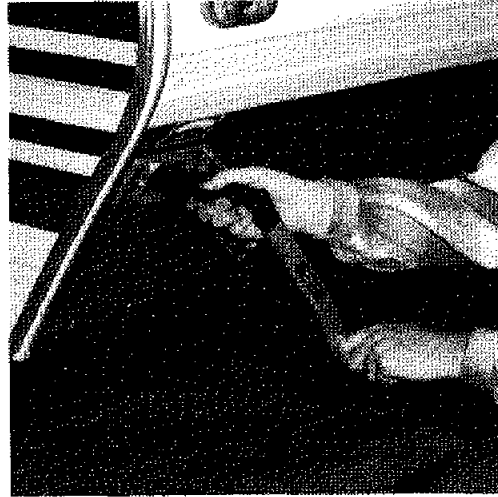


Fig. 2

3. Continue cranking until the gauge cable is almost tight. The red safety gauge cable is located directly above the crank position.
4. Pull end bunks out until bunk hits the bed stops. Pull canvas around bunk corners and hook elastic cord over small nylon pulley on bottom side of bed.



Fig. 3

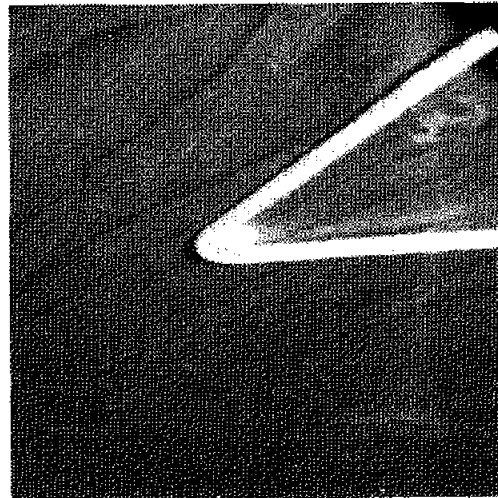


Fig. 4

5. **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.

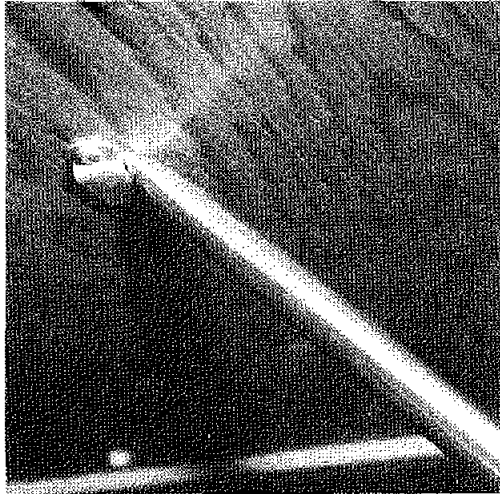


Fig. 5

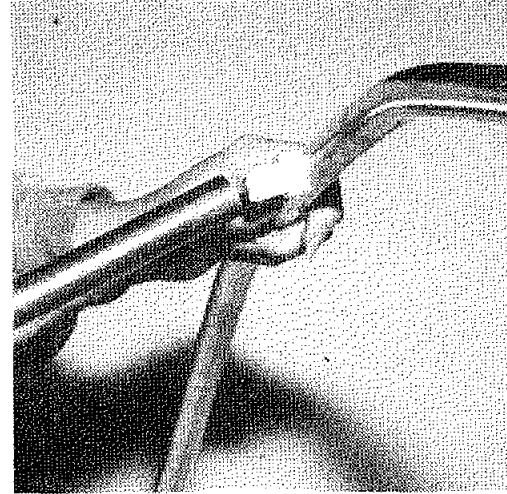


Fig. 6

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.
8. Swing down the self-storing screen door and compress spring loaded head board upward. Drop channel of lower edge of screen door and peg screen door into intended holes. Drop roof slightly (about 1/2'') to remove the gap and tighten door.
9. Insert canvas by folding the hard edge of tent over 180° and inserting this portion into channel of screen door.
10. Set up any cabinets which are in the folded position such as wardrobe and flipover kitchen.

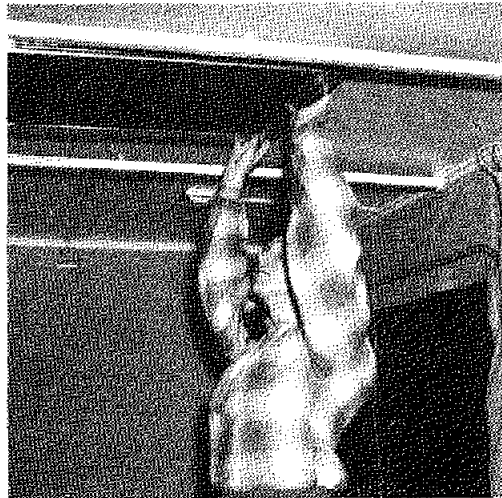


Fig. 7

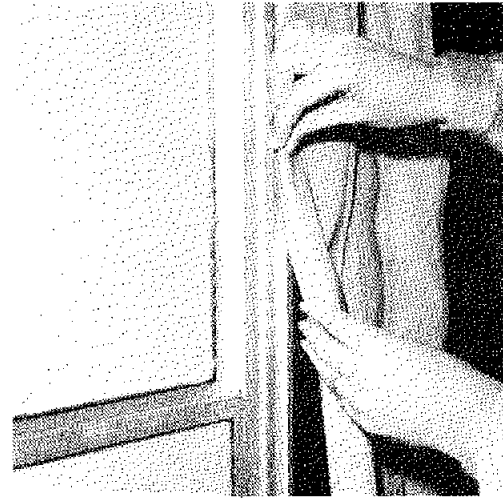


Fig. 8

11. The next step is to release self-storing stabilizer jacks 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. 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.

## **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.

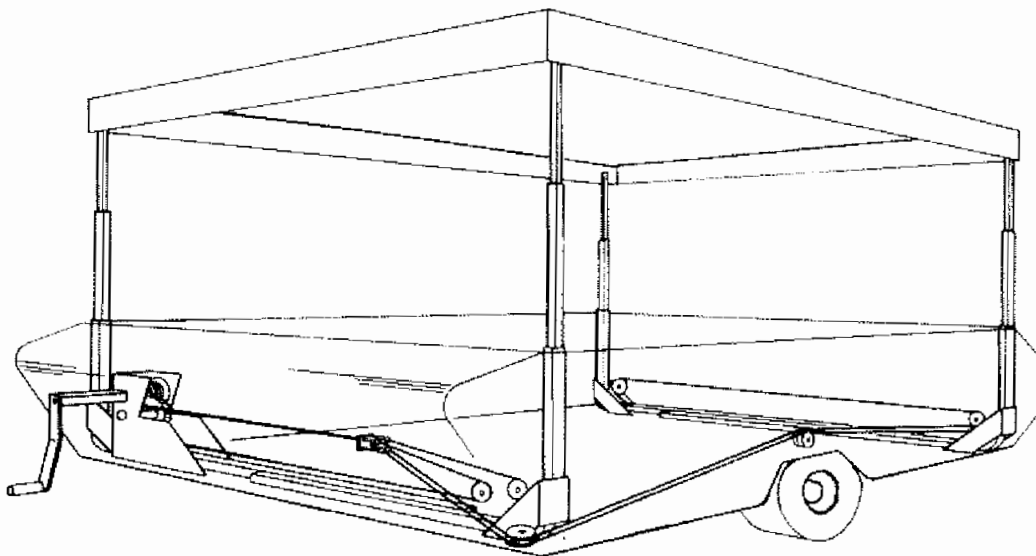
**CAUTION: If stabilizer jacks are down while roof is being cranked up or down it is very possible to have the unit in a bind causing lifter system to hang up.**

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.



## **CHAPTER IV**

# **THE SYSTEMS**

### **PLUMBING**

#### **INSTRUCTIONS FOR SANITIZING POTABLE WATER SYSTEMS OF RECREATIONAL VEHICLES**

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

1. Prepare a chlorine solution using one gallon of water and 1/4 cup of Chlorox or Purex 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.

#### **FRESH WATER SYSTEM**

Fresh water can be supplied to pump from two methods, either from direct city water hook-up or from a fresh water tank.

A water hose from city water connection to supply faucet needs to be installed. Press handle on hand pump down and hold to receive water. We recommend that a 35 lb. water pressure regulator be used (optional) to control pressure and insure safety of system. Some campgrounds have high water pressure of 100 P.S.I. and over.

A 10 or 15-gallon water supply tank is provided in most models. (Flight series have a 5-gallon jug.) Use a hose to gravity fill the water tank. An overflow hose is supplied and connected to the tank. To pump water, lift handle and down again, repeatedly to obtain a pumping type effect. This will draw water after about 3-5 times. Continue to pump until desired supply has been reached.



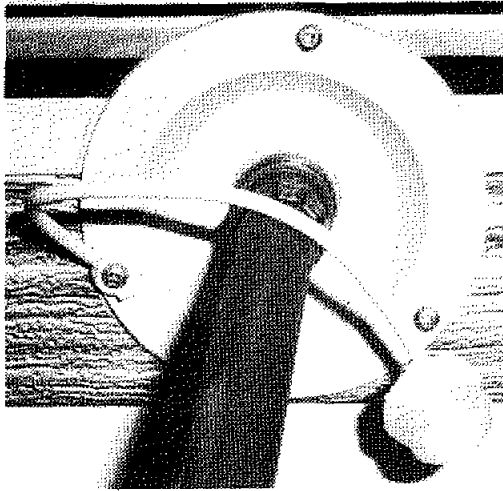


Fig. 9

## DRAINAGE SYSTEM

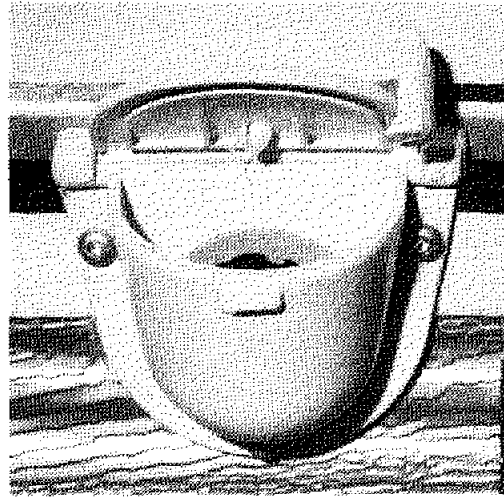


Fig. 10

Figure No. 11 shows the spigot to drain excess water in tank.

Connect a hose to Figure No. 12 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.

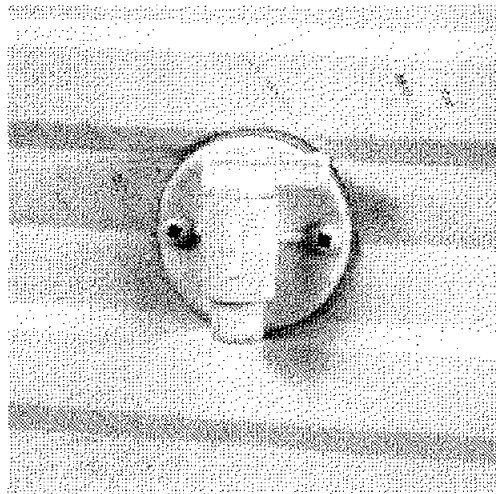


Fig. 11

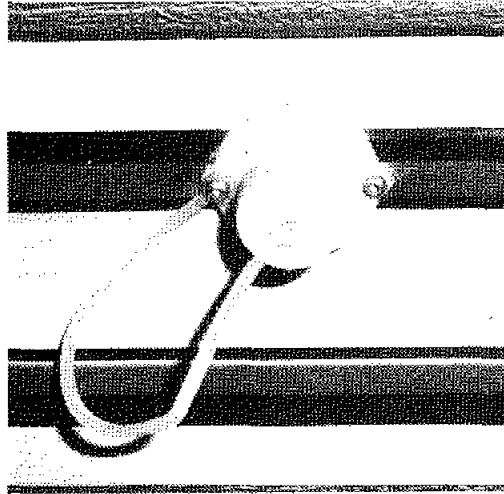


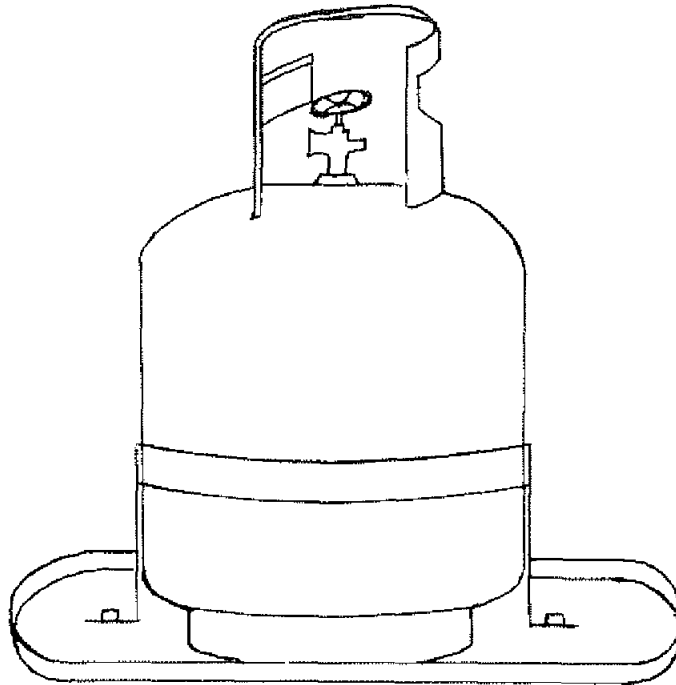
Fig. 12

## WINTERIZATION

1. Drain tank entirely. The remaining small quantity of water in a plastic tank will not damage tank by freezing.
2. Be sure that all water has been drain from hand pump. It need not have any anti-freeze put into the pump.
3. If all water cannot be drained or has evaporated from trap under sink it would be advisable to put a small quantity of non-toxic anti-freeze into trap.

## **L.P.-GAS SYSTEM**

L.P.-gas (liquid Petroleum) is a material composed of various hydrocarbons such as propane, propylene, butanes, butylenes, or a mixture of them. In its gaseous form (vaporized) it is colorless and carries an added garlic-like odor for detection. Besides being flammable, it is potentially lethal to inhale. L.P.-gas is compressed into liquid for storage and transportation. L.P.-gas will vaporize during extreme cold ( $-40^{\circ}\text{F.}$ ).



### **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.

### **CHECK FOR LEAKS WITH A SOAPY BUBBLE SOLUTION.**

The L.P.-gas tank mounted on your vehicle contains L.P.-fuel in liquid form under pressure. As fuel is used, vapor (L.P.-gas) passes from the top of the tank through a 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.

## **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 or 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 system, then check the appliances.

## **L.P.-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 & Standards require the use of a "Dual-stage" L.P.-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.

## **SERVICING AND FILLING L.P.-CONTAINERS**

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

Local regulations sometimes require cylinders be removed from the R.V. 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 L.P.-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 L.P.-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 R.V. 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 L.P.-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 counter clockwise. When tightening, only "snug-up" - avoid over-tightening. The tank must be in an upright position at all times.

**CAUTION:** If you have double bottles on your R.V., 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 L.P.-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 to 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 filling of L.P.-tanks. Keep the R.V. away from immediate filling area when possible or extinguish all gas pilot lights.

When a L.P.-tank gets low, sometimes there is a concentration of garlic-like odor which may be mistaken for a gas leak. After a changeover to a full tank, the odor usually will soon disappear.

## **L.P.-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 heavy.

L.P.-gas consumption depends upon individual use of appliances and the length of time operated. Each gallon of L.P.-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:

<u>Appliance</u>	<u>Average BTU Consumption per Hour</u>
Stove:	
Burner Top - Each	5,200
Oven Burner (opt.) - Each	7,100
Heater (Opt.)	12,000
Refrigerator (Opt.) Model 211	600

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

## **USING THE AUTOMATIC CHANGEOVER REGULATOR (For Optional Double Bottles Only)**

A useful accessory is an automatic change over 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 R.V. gas supply. After refilling, it can be remounted and again turned to the "On" position. When the other bottle is depleted, the L.P.-gas supply will again be automatically changed over.

## **ELECTRICAL SYSTEM & OPERATION**

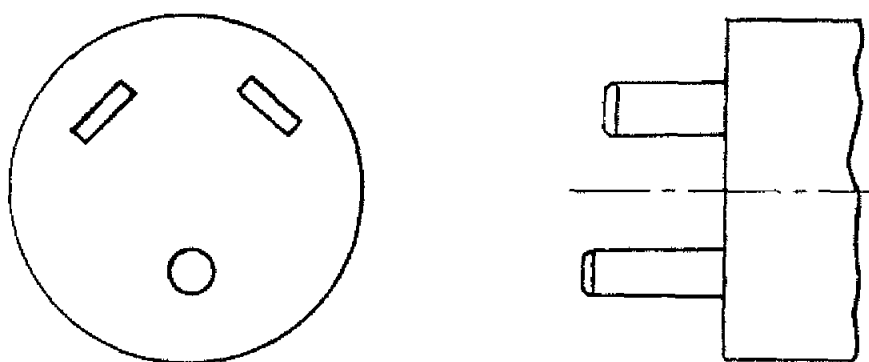
### **CONNECTION TO 120-VOLT AC**

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 to connect from the campground outlet to your camper, the power cord is pre-wired 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 R.V. 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 R.V. 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 many electrical and hardware stores.



Plug -- ANSI C73.13 -- 120V, 30 Amps, 2 Pole, 3 Wire Grounding Type

## CHANGES, MODIFICATIONS, AND ADDITIONS

Any changes or additions made after delivery may develop 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 installations.

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 will overheat and short out wires.

## 12-VOLT DC SYSTEM

The exterior vehicular lights are 12-volt DC and are wired in accordance with an accepted color code.

WHITE	-	GROUND
BLUE	-	BRAKES
GREEN	-	RUNNING LIGHTS
RED	-	STOP & LEFT TURN
BROWN	-	STOP & RIGHT TURN
BLACK	-	INTERIOR 12-VOLT LIGHTING
YELLOW	-	BACK UP

The connector between tow vehicle and trailer will build up corrosion over a period of time and should be cleaned occasionally to insure good electrical contact.

### BULB REPLACEMENT SIZE

Tail Light - #1157  
Back Up - #1156  
Clearance - # 57 or #1895  
Entrance - #1003

The interior lights are 12-volt DC and will operate either from the tow vehicle or from the power convertor. See instructions for convertor operations.

BULB REPLACEMENT SIZE - 1141  
FUSE REPLACEMENT SIZE - 8A

The heater blower (optional) will also operate from a 12-volt DC power source.

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

## CONVERTOR

Your interior lights(s) and the 660 series heater (optional) will operate from the 12-volt power source. If 110-volt AC is available, the convertor will transform this current to 12-volt. This needs to be switched manually. The **TRANS** position is used when the 110-volt current needs to be transformed to 12 volt. The **BATTERY** position is used when all current is to be received from battery either in tow vehicle or optional auxiliary if used. The **OFF** position is used for traveling or storage.

<p><b>These convertors DO NOT have a built-in battery charger.</b></p>
--

## BATTERY (OPTIONAL)

All Jayco units are pre-wired so that all interior 12-volt appliances can be operated when the tow vehicle and coach are connected via the wiring harness. This is possible only if the dealer connects the black wire of the wire harness to a "hot" supply. An auxiliary battery may be installed to avoid discharging the vehicle battery. Caution should be used when drawing current from your tow vehicle to avoid draining the battery to a point that the tow vehicle will not start.

## FUSES

For the Jay Flight series an inline fuse for the interior circuit is installed, located in the left front corner of the camper under the dinette seat. The replacement fuse size is 8A.

Other 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.**



## NOTES

## CHAPTER V

# APPLIANCES

### STOVE

The 2 or 3-burner stove in your new Jayco has been installed to help make each of your camping trips complete. This appliance works on L.P.-gas and should never be hooked up to a natural gas source. To operate the stove, push in on a particular knob to a designated burner and turn. At the same time, hold a match next to the burner. If there is air in the gas line, it may take a few seconds.

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.



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

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

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

**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 R.V. Combustion air is drawn from the outside and combustion products are expelled outside through the vent.

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.

New appliances sometimes emit some smoke when first used due to paint burning off the heating chamber. Do not mistake this smoke for an out-of-adjustment appliance which will emit an acrid odor and cause sooting of flue or vent. During initial burn-off of the furnace, it is recommended that you open windows to exhaust smoke from the interior of the coach.

For additional information and lighting procedures please see manual supplied by the heater manufacture.

## **REFRIGERATOR (OPTIONAL)**

The refrigerator in your Jayco has been designed by the manufacturer to work either on 110-volt electricity or L.P.-gas. **NEVER** attempt to connect or operate the refrigerator on natural gas. Please follow the operating instructions supplied by the manufacturer of the refrigerator.

If the refrigerator is not level, the cooling process will be partially or totally stopped. For best cooling, level the vehicle and this should level the refrigerator. Remember, it's the refrigerator that must be leveled, so check the freezer shelf of the refrigerator with a bubble level. Installation of small levels on the outside of the trailer make the leveling operation easier.

<p><b>NOTE: Separate Owner's manuals are supplied from manufacturer of the appliance to assist you in the operation of the various appliances.</b></p>
--

## **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 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 insure 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**

The fabrics used throughout your new Jayco tent camper add the final touches of decor. Follow the instructions to maintain the rich beauty they offer.

Your drapes are manufactured from double knit polyester material which can be machine or hand washed. It is best to dry on permapress setting in dryer and remove before completely dry.

<p><b>Care must be taken to follow above instructions or results may not be satisfactory.</b></p>
---

## **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. Also, it will remove the Scotch Guarding that is used in treating the fabric so staining is kept at a minimum.

**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.

Spot clean with a mild solvent, an upholstery shampoo, or the foam from a mild detergent. When using a solvent or dry cleaning product, follow instructions carefully and clean in a well ventilated room. Avoid any products that contains carbon tetrachloride or other toxic materials. With either method, pretest a small area before proceeding. Use a professional furniture cleaning service when an overall soiled condition has been reached.

## **TENT**

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 Retardent 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 repellence and the fire retardant. Hair spray or insect spray will also remove water 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.

**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.

## **CONDENSATION IN TENTS**

Condensation can be a problem 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 eliminate 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.

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.

## NOTES

## CHAPTER VII

# MAINTENANCE

Your new Jayco coach is designed to hold maintenance as low as possible. However, maintenance is important to retain its original production as nearly new as possible.

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



COMPONENT	MAINTENANCE	AVOID
<b>Lug Bolts</b>	<p>Lug bolts must be checked at 50 and 200 miles when your coach is new. After this, lug bolts should be periodically checked for safety, especially before any long trip and extensive braking.</p> <p>Tighten lug bolts to 85-95 ft. pounds torque using a cross tighten sequence of 1-3-2-4.</p>	DO NOT ignore checking wheel lug bolts.
<b>Coupler</b>	<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 recommended that you use conventional grease on the ball of hitch for ease of operation.</p>	
<b>Tongue Jack</b>	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.	
<b>Tires</b>	It is very important to check tires often as noted on page 12 of Chapter III.	DO NOT ignore checking tire P.S.I. pressures often.

COMPONENT	MAINTENANCE	AVOID
<b>Brakes</b>	<p>It is important to have brakes adjusted by selling dealer between 200-500 miles after initial break-in period. This operation may not be included by selling dealer as part of selling price.</p> <p>After initial break-in it is recommended to adjust the brakes following each 5,000 miles or at beginning of each season's camping trips.</p>	It is very important to keep brakes adjusted as poorly adjusted brakes will not function correctly.
<b>Lifter Posts</b>	Your telescoping posts should be lubricated semi-annually with a light coat of silicone spray to insure smooth, trouble-free operation.	DO NOT use grease or oil on posts as this lubricant will attract dirt and cause tent to become dirty.
<b>Winch</b>	The winch should be lubricated once per year, preferably at the season's beginning. Use a small quantity of light oil on two upper shaft bearings and also at each end of main drum which cable rolls on.	
<b>Cables</b>	Pulleys and cables need no lubricant at any time.	
<b>Push Rod</b>	We suggest you grease the flexible push rod in each corner at the beginning of each season with regular chassis lube.	

COMPONENT	MAINTENANCE	AVOID
<b>L.P. Gas System</b>	<p>At the beginning of each season:</p> <ol style="list-style-type: none"> <li>1. Inspect all gas lines for crimps and road damage.</li> <li>2. Check all lines and connections for leakage with soapy water or leak detector.</li> <li>3. We recommended that you have the regulator checked and adjusted to proper pressure once per year.</li> </ol>	<p>DO NOT smoke while changing bottles or any lines.</p> <p>DO NOT allow any connection to be loose.</p>
<b>Bed Slides</b>	<p>Be sure to lubricate bed slides twice per year with silicone spray as you do the lifter posts.</p>	
<b>Appliances</b>	<p>To care for brushed chrome we recommend you clean with a mild soap and water, wipe dry with soft cloth. Apply a light coat of oil such as "Johnson's Baby Oil" periodically.</p> <p>Various items on these appliances need to be cleaned periodically as need be, such as burner orifices, etc. See individual booklets for directions or see your dealer.</p>	<p>DO NOT use steel wool, ammonia, acids, or abrasives on chrome surfaces.</p>



**JAYCO...  
GETS YOU ON THE  
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**BUILT WITH  
CARE TO BE  
OWNED WITH PRIDE!**



Incorporated, 58075 S.R. 13, South, P.O. Box 460  
Middlebury, Indiana 46540

**SUPPLEMENT**

**FOLD DOWN CAMPER  
OWNER'S MANUAL  
for  
FEATHERLITE SERIES**



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# **I. INTRODUCTION**

The FeatherLite Series of camping trailers is designed to reduce weight to be towed by smaller compact cars of today.

This trailer features laminated floor, front, back, both sidewalls, and roof on the FeatherLite II. FeatherLite I has a canvas top plus a vinyl cover to be used for transportation.

This supplemented owner's manual is added to the standard fold down camping manual to cover the new "FeatherLite" series of campers.

You will find much valuable information in the standard manual and the additional material is for the new superlite weight series. Some items in the standard manual do not apply to your FeatherLite series of campers.

# **II. TRAILER FEATURES**

The main storage areas are located under each bunk or dinette seat. Also, a small quantity of storage is under the sink cabinet and on each end of camper behind the dinette cushions.

The table is of laminated construction also. Care must be used in handling as corners can be broken. Do not place heavy objects on the table. The table is intended for only two (2) uses, a table and to be used for a bed in the down position resting on the dinette bunk wood rails.

Work space area is supplied on cabinet over the ice box compartment.

Cleaning, care, and maintenance on this lightweight coach are the same as described in Chapters 6 and 7 of the standard fold down camper manual.

Ice box is 35 pound capacity and located inside of the door. The melted ice water will drain through the floor onto the ground. Ice is to be put on the upper tray.

### III. THE SYSTEMS

#### ELECTRIC 110-VOLT

There is no interior light provided with this model trailer.

Electric is 110-volt only with power cord, electrical box, and one (1) 110-volt recept.

#### L.P.-GAS

There is no L.P.-gas used or supplied with this model of trailer.

A portable 2-burner stove is provided with each coach along with operating instructions inside of each stove.

#### THE WATER SYSTEM

The water system is composed of a 2-1/2 gallon water jug with built-in pick up tube. Attach the cap to water jug after it is filled with water. (Figure 1)

The galley hand pump will siphon water from jug into the sink by moving the pump handle up and down. Water will be drained from the sink through external drain connector. (Figure 2)

There is also a pressure water hookup inlet (Figure 3) to have direct hookup to water, without using the tank. This is also controlled by the hand pump by pushing the handle down and holding it in this position.

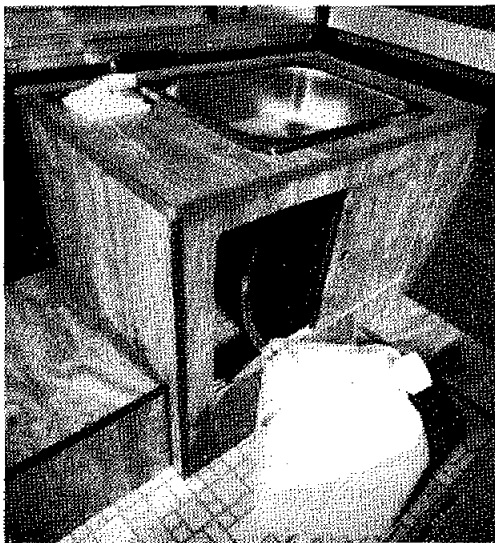


Fig.1

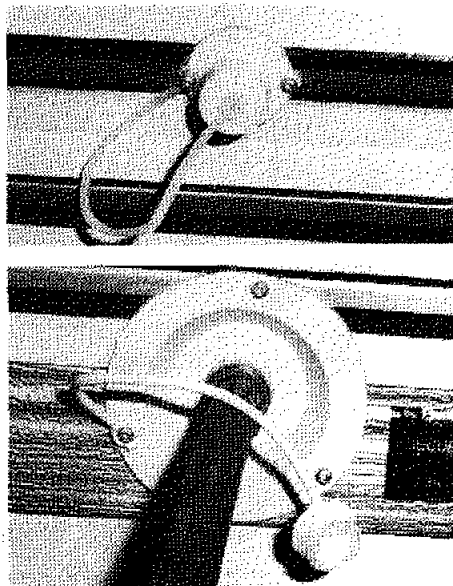


Fig.2

Fig. 3



## IV. SET-UP

### PARKING AND LEVELING INSTRUCTIONS BOTH UNITS

1. Park your FeatherLite trailer as near level as possible. If one side is higher than the other side, install wood blocks under wheels to level wheels. Do this before unhooking trailer from tow vehicle.
2. Block wheels so trailer won't roll.
3. Unhook 12V electrical connection, safety chains, and then the coupler from hitch.
4. Now level the trailer from front to rear by usage of stabilizer jacks and tongue jack.

**CAUTION: Failure to block and stabilize your FeatherLite trailer may cause it to relocate itself, due to its light weight.**

### SET-UP INSTRUCTIONS FEATHERLITE I ONLY

1. Remove the vinyl cover by unhooking shock cord from the nylon wheels on the back and both sides. (Figure 1)
2. Roll the vinyl cover to the front of camper and lay it on the tongue of trailer. (To remove the cover, pull to one (1) side of the camper and out of the rail.)

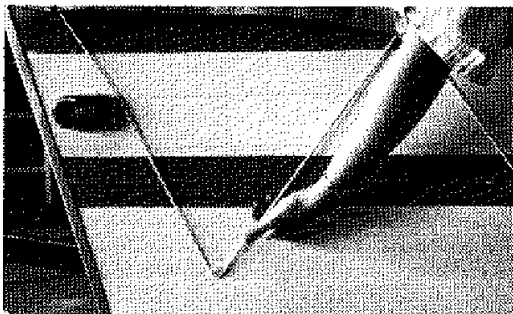


Fig.1



Fig.2

3. Pull the rear bed out about 3/4 of its total distance.
4. Proceed to pull the front bed out completely following these instructions: Standing in front of camper, grasp tent and bed extrusion with both hands, press down on bed and pull out at the same time. If you don't press down, the bed may be difficult to pull out. Pull canvas apron over edge of bed on both sides.
5. Insert the two bed support poles as shown in Figure 2.

6. Pull out rear bed completely and install the two bed support poles as shown in Figure 2.

**WARNING: Never climb into a bed or place weight onto bed (bunk) before installing the bed supports. This will cause bed rails to bend and be damaged.**

7. Enter camper, position center tent bow into vertical position, and into canvas pocket (Figure 3), and close snaps.
8. Proceed to either bed and raise the bow to vertical position.

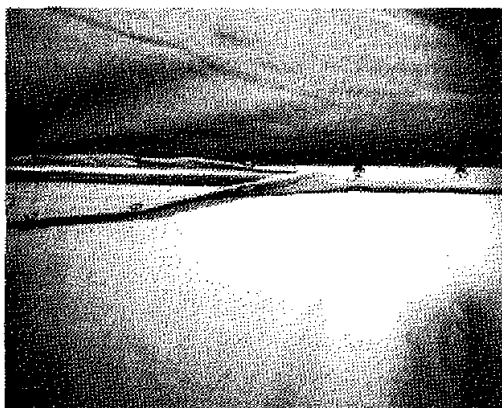


Fig. 3

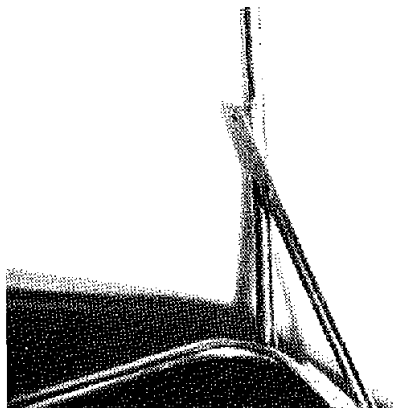
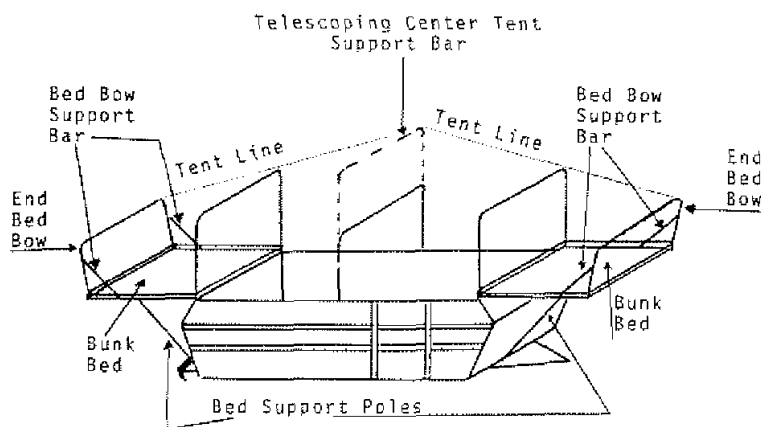


Fig. 4

9. Swing the bed bow support arm (Figure 4) in 45° position and insert small peg of bed support arm into hole provided in bed bow, one on each side of bed bow.
10. Repeat step No. 9 at opposite end of camper.
11. Raise the center tent support bar (Figure 5) until spring loaded latch snaps into position (Figure 6). There is one (1) latch on each side.

Fig. 5



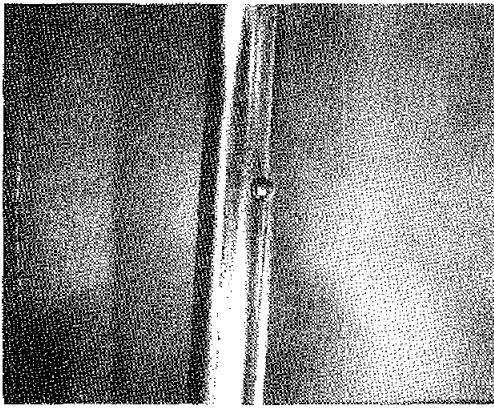


Fig. 6

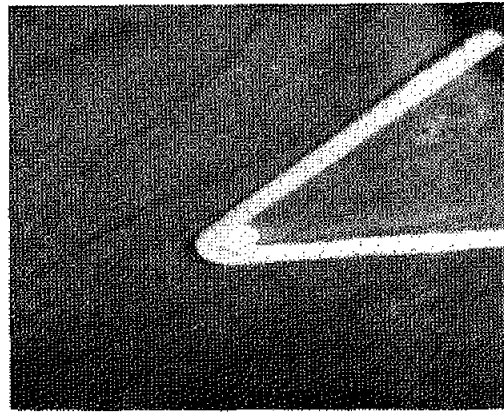


Fig. 7

12. You are now ready to close door flap. This may be done from inside or outside. Zipper pulls are at the top. Proceed to zip down on both sides. One (1) flap is to stay on the inside and the other on the outside. (See photo on front cover.)

13. Attach the outside flap to the velcro fasteners as provided.

14. Attach shock cord onto nylon pulleys provided under bed. (Figure 7).

### CLOSE-UP INSTRUCTIONS

Simply reverse the above procedure by beginning with No. 14. Be **cautious** when pushing beds inward that you don't tear canvas on bed rails or any other area.