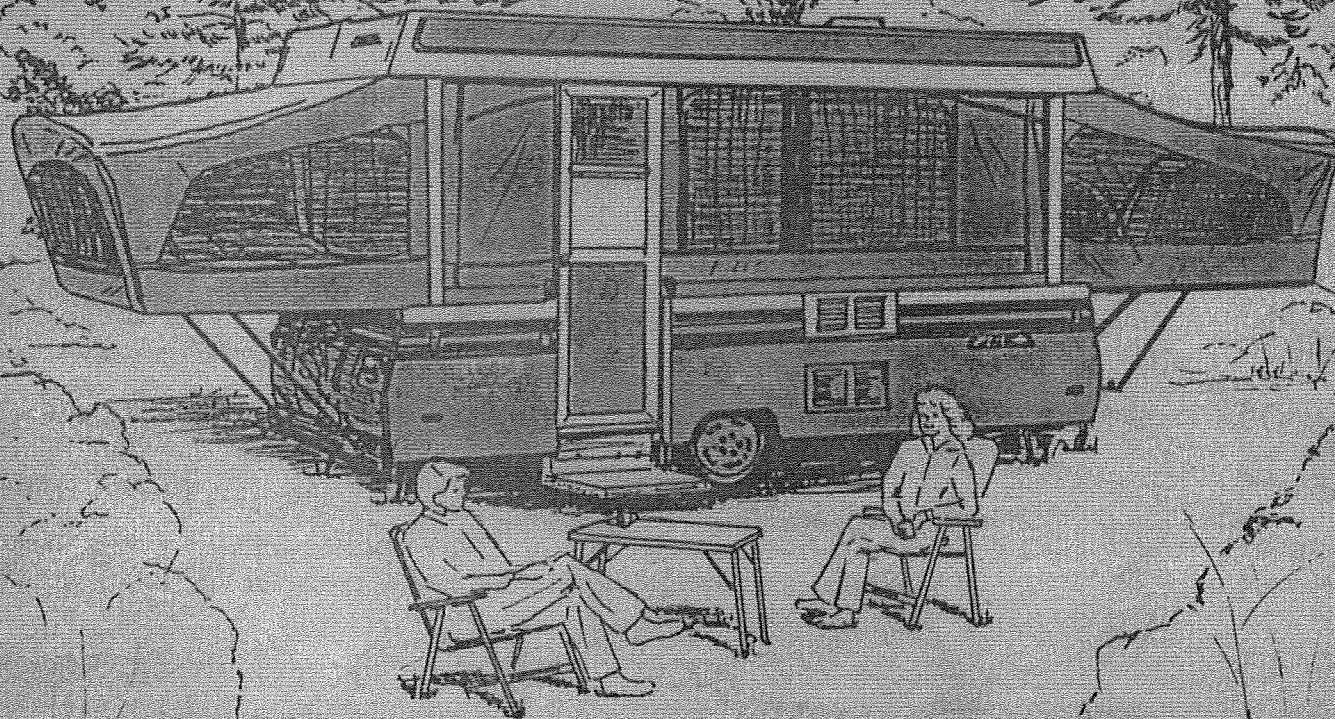


PLANTATION



Owner's Manual





CAMPING TRAILERS

The

COLEMAN COMPANY, INC.

P. O. BOX 111 SOMERSET, PENNSYLVANIA 15501

AREA CODE 814 445-9661

To Our Valued Customer:

It is our pleasure to welcome you to the Coleman® family. Your new Plantation™ folding travel trailer was designed by a team of specialists who are dedicated to making your camping experiences the most memorable time of your life!

For over 80 years the Coleman Company has built a solid reputation in providing quality products with features that offer safety, comfort, and luxury.

A favorite quotation of W. C. Coleman, the founder of the company, was, "No product is really sold until it is delivering a satisfactory service for the user." Today, as well as in the future, no matter where you travel you will find that Coleman will be there to serve you.

You will be glad you chose Coleman - The Number One Camping Trailer in the World!

Patrick O. Scanlon
General Manager
Camping Trailer Division

John Burke
Director of Sales and Marketing
Camping Trailer Division

INTRODUCTION

This manual contains important information regarding the safe operation and maintenance of your Coleman® camping trailer. We urge you to read it carefully, understand all aspects of your trailer, and follow the recommendations to obtain the most trouble-free use of your recreational vehicle.

In this manual, statements preceded by the following words are of special significance:

"WARNING" means that there is a high possibility of serious personal injury to yourself and others if the warning is not complied with.

"CAUTION" means that there is the possibility of personal injury to yourself or others.

"IMPORTANT" means that there is a possibility of damage to the trailer if instructions are not followed.

"NOTE" indicates points of particular interest for more efficient and convenient operation.

We recommend that you take particular notice of these items when reading this manual.

NOTE:

The words "shall" or "must" indicate a requirement which is essential to satisfactory and safe product performance.

The words "should" or "may" indicate a recommendation or advice which is not essential and not required but which may be useful or helpful.

Please remember that when service is required, your Coleman® camping trailer dealer knows your vehicle best. Consult him for any assistance you may require.

NOTE:

Federal law requires you to register the serial numbers of your trailer tires. For your protection, we advise our customers to register the trailer tires and the spare tire with the tire manufacturer. Your dealer will supply you with the necessary forms. Tire registration is not a guarantee or warranty for either the tires or the trailer.

WELCOME . . .

to the wonderful world of carefree living you'll be enjoying in your new Coleman® Plantation™ trailer. Like all Coleman® products, your Coleman® trailer is the best in its class - loaded with all the quality and craftsmanship that have made Coleman® world famous for over 80 years.

This manual shows you in easy-to-read language how to get the most out of your camper the easy way, plus tips on maintenance that will keep your camper rolling through the years - virtually trouble-free. A quick look at the "Table of Contents" will show you what we mean.

So, before you take off, take a little time to read the sections on Pre-Trip Preparations, Set-Up Instructions, Take-Down Instructions, Loading, and Maintenance. It's easy reading and it really does show you how to get the most out of your camper - the easy way. Have a good trip - after all, you're traveling first class in a Coleman® Plantation™ trailer!

TABLE OF CONTENTS

PRE-TRIP PREPARATIONS	1
HINTS AND TIPS	1 - 4
Loading Camping Trailer Accessories	2
Necessities	2 - 3
Towing	3 - 4
Hitch Requirements	4
Breakaway Connector	4
Tips on Picking a Campsite	4
SET-UP INSTRUCTIONS	5 - 13
Getting Started	5 - 7
Bed Set-up	7
Tent Enclosure Set-up	8
Bathroom Walls	8 - 9
Wardrobe Set-up	10
Screen Door Set-up	10 - 11
Dinette Set-up	11 - 12
Bed Bow Support Set-up	12
Stove Set-up	12 - 13
Electrical and Water Hook-ups	13
TAKE-DOWN INSTRUCTIONS	13 - 15
SYSTEMS AND SPECIAL FEATURES	16 - 28
Trailer L.P. Gas System	16 - 18
Trailer Electrical System	18 - 19
Water System	19 - 23
Tracking System	23 - 26
Lift System	26 - 28
Tent Enclosure	28
SPECIFICATIONS	29
MAINTENANCE	30 - 31
WARRANTY	32 - 33

IMPORTANT CONSUMER INFORMATION

Installation and Instructions for Appliances. Operating instructions are provided for each appliance, including air conditioning appliances (other than automotive type).

This recreational vehicle is equipped with listed fuel utilization equipment and an owner's manual which contains the following information:

WARNING: L.P. gas containers shall not be placed or stored inside the vehicle. L.P. gas containers are equipped with safety devices which relieve excessive pressure by discharging gas to the atmosphere.

WARNING: IT IS NOT SAFE TO USE COOKING APPLIANCES 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 supply 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 dangers 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.

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

DO NOT FILL CONTAINER(S) TO MORE THAN 80 PERCENT OF CAPACITY.

Overfilling the L.P. 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 L.P. gas.

Do not use portable fuel-burning equipment including stoves inside the recreational vehicle. The use of this equipment inside the recreational vehicle may cause fires or asphyxiation.

Do not store L.P. gas containers, gasoline, or other flammable liquids inside the vehicle because a fire or explosion may result.

IF YOU SMELL GAS:

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

L.P. 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 regulator vent faces downward and that cover is kept in place to minimize vent blockage which could result in excessive gas pressure causing fire or explosion.

Copyright 1987

THE COLEMAN COMPANY, INC.
CAMPING TRAILER DIVISION
SOMERSET, PA 15501



We have a bright reputation for quality.

PRE-TRIP PREPARATIONS

Before you seek out those favorite recreational campsites with your new Coleman® Plantation™ trailer, we suggest you first make these pre-trip preparations.

Set up and take down the trailer per the instructions several times to familiarize yourself completely with the procedure.

After the trailer has been set up for practice, use a garden hose to wet the tent fabric. DO NOT touch the inside surface of the tent while it is wet as this will temporarily break down the water repelling effect and allow leakage of water wherever the fabric has been touched. If the tent must be stored wet, set it out to dry as soon as possible. Fabric should never be stored wet for extended periods of time since it may mildew and lose its strength.

Establish a tool kit for your trailer's maintenance needs and stow it in the trunk of your tow vehicle. The following items should be included:

1. Standard slot screwdriver
2. Standard phillips screwdriver
3. Hydraulic or scissor jack (1 1/2 ton)
4. 13/16" lug wrench
5. Stabilizer jack handle (furnished - store in access door)
6. Crankshaft handle (furnished - store in

access door)

7. Tool case or pouch
8. Four blocks of wood (approximately 2"x4"x8")

Final preparations should include the proper loading (See **LOADING**) and physical check of the trailer before the trip.

The trailer should be loaded with two basic rules in mind:

1. Keep your trailer as light as possible.
2. Distribute the weight as evenly as possible.

A physical check should also be made per this checklist; be certain that:

1. Tires are inflated to the recommended pressure as indicated on the vehicle ID plate, tires, or specification page. (See **MAINTENANCE**).
2. Wheel lugs are securely tightened. Get into the habit of regularly checking the lug bolt tightness and the tire pressure. (See **MAINTENANCE**.)
3. The tongue coupler is securely fastened to the ball hitch.
4. The safety chains are attached (chains must criss-cross).
5. The electrical pigtail is connected and the breakaway switch is properly attached to the tow vehicle.
6. All lights on the trailer are functioning properly.
7. The L.P. gas bottle valve is closed.
8. All items packed in the trailer are securely held in place.

We hope you read and follow these instructions and helpful hints very closely. If you do, you will receive the maximum benefit from your Coleman® Plantation™ folding travel trailer.

HINTS AND TIPS

Gathering all the equipment needed for those camping outings can and should involve the entire family. When packing your camping gear, use this handy checklist to assist the first few times, and remember one simple rule: **KISMIF - "Keep it simple; make it fun!"**

A few good tips to keep in mind are:

Reduce the weight and increase gas mileage.

Water tanks do not need filling unless primitive camping is planned; fill water tanks at campground to reduce towing weight.

Make your first trip close to home if possible. This will serve as a shake-down trip to see that everything works and what other items you will need to take.

Remember - the whole idea is to **MAKE IT SIMPLE, ECONOMICAL, AND ENJOYABLE!**

I. Loading Camping Trailer Accessories

The following list is designed to help Coleman® campers load their camping trailers efficiently and be prepared for fun in the great outdoors.

<u>Important Accessories</u>	<u>Storage Area</u>
Spare tire	self-storing
Canopy	self-storing
Camp stove	under table
Privacy curtains	self-storing
Drinking water hose (always connect ends)	under table
Electrical extension	under seat
Lawn chairs	under table
Axe with safety cover and small shovel for campfire	trunk of car
Door mat or outdoor carpet	door entry
Small broom	under table
Portable toilet, chemicals, paper	designated location
Drain hose or waste container	under dinette seat

II. NECESSITIES

A. Miscellaneous Items

Flashlight, spare bulb, and batteries
First aid kit
Clothesline and pins
Scissors
Insect repellent
Two small trash cans

B. Personal Care Items

Toilet articles
Bath and beach towels
Shower shoes
Washcloths
Small sewing kit

C. Clothing Articles

Large laundry bag for dirty clothes; these can be stored under a seat cushion.

Lightweight jackets should be kept in camper year 'round and can be stored under the seat cushion.

Nylon duffle bags or old pillow cases with drawstrings are more convenient than suitcases. One or two bags per person will carry jeans, shirts, under-clothing, etc. These are stored on beds during the day and under the table, seat cushions, or in auto trunk during travel.

Hanging clothes can be kept in the trailer wardrobe during travel.

D. Recreation Equipment

Balls
Bikes
Radio
Games
Inflatable rafts or any type of water sports equipment

E. Bedding

One sleeping bag per person. When these are laid out on beds, they simply zip up and stay clean and neat and thus are much easier to use than sheets and blankets which need to be made up. Even in summer, sleeping bags can be used by folding the top half back and using a single sheet for

a top cover.

One small pillow per person.

F. Cooking

One large non-stick surface frying pan

Plastic spatula

Good kitchen knife

Tongs

Potholder/glove

Hot/cold cups

Tea kettle

Can/bottle opener

Large cooking spoon

Small dishpan

Paper plates

Plastic forks, knives, spoons

Charcoal and lighter

A few plastic plates as serving plates or straw plate holders

One or two pots with lids (stainless steel is best)

Small kettle grill is an option, however many camping sites have bar-beque grills

G. Food

Take small amounts of staples and food to keep the trailer weight down. Buy food in supermarkets along the way as needed. Plan your meals one day in advance according to your taste and your locale; for example, if you are near the coast, get fresh seafood. Planning this way keeps the trailer weight down and keeps fresh food available.

Plastic containers are excellent to store staples like sugar, flour, salt, pepper, etc.

Canned food items and heavy items are best stowed in drawers or in small boxes on lower shelves in the galley unit. Bread, crackers, cereal, etc., are easily stored on upper shelves with paper goods and remain there during travel.

III. Towing

Read these pointers on how to tow, then practice a bit before you go.

Even if you've towed before, you'll want to get the feel of maneuvering any new outfit, so practice starts, stops, parking, braking, and turning. When driving around town, always check the traffic clearance before pulling out from the curb or shoulder into the main traffic flow. For turns, pull past your turn or intersection sufficiently before turning so as not to run into the curb or obstructions. The longer your trailer, the wider you must swing for clearance. Most new owners are surprised at how well Coleman® trailers track and how little additional maneuvering space is required, but don't let this cause you to forget it's behind you.

During parking or backing, remember that the rear of the camping trailer moves opposite to the rear of the towing vehicle. Start by simply placing your hand on the bottom of the steering wheel, then moving your hand left (wheel turning right) will move the trailer to the left and vice versa.

On the road, maintain a safe driving distance from other vehicles. A safe driving distance is the total length of your towing vehicle and camping trailer combined for each ten miles per hour of speed.

When approaching a downhill grade, downshift, letting the engine compression act as a brake. Should you need added braking, apply your brakes as required.

When approaching an uphill grade, the answer is the same - downshift. This keeps the engine from lugging down which may overheat from laboring in a higher gear.

IV. Hitch Requirements

A top-quality hitch of a minimum Class II rating is essential for trouble-free towing. On a flat surface, measure from the bottom of the frame to the ground under the front and rear of the unit. When these measurements agree, measure from the top of the coupler to the ground. This is the hitch height. This information will be needed by the installer of your hitch. The hitch requires a 2" ball.

WARNING:

Never travel with a hitch mounting below or more than three inches above a level trailer, or a hitch weight that overloads the tow vehicle axle.

When using a weight-distributing hitch, it will be necessary to purchase a center-mount tongue jack as the one installed on your trailer will interfere with the spring bars. Contact your dealer for details.

V. Breakaway Connector

This trailer has a breakaway connector that causes the trailer brakes to be applied in the event of ball or coupler failure. We recommend you install a sturdy screw or safety link to the free end of the cable coming from the breakaway switch. Then provide a place on the car to connect this link. Install an eyebolt, if necessary, through the frame bumper or tow bar, positioned to allow enough cable slack for the units to turn without pulling the cable. The only power source for emergency brake operation is the battery.

WARNING:

NEVER use this breakaway feature as a parking brake. This can burn out the brake magnets and discharge the battery.

Adjust the cable so the unit can turn corners freely without pulling taut. **DO NOT** loop the cable over the hitch ball, through an eye used for safety chain, or in a manner that would interfere with a free-turning action.

1. Mount Tekonsha battery case (not provided) securely to frame, jack post, or other suitable location on trailer.
2. Bolt breakaway switch to frame of trailer or battery case bracket using 1/4" bolt and lock nut or two 1/4" jam nuts. (Bolts and nuts not included in kit.)

CAUTION:

Do not overtighten bolt. Mount with base toward frame. Switch must be able to pivot.

3. Check and install battery.

4. Attaching to tow vehicle: Attach cable to tow vehicle frame being certain no strain is placed on cable.

CAUTION:

Do not hook cable to safety chain loop or hitch ball.

CAUTION:

1. Switch location should be selected to insure unobstructed line of pull in event of vehicle separation.
2. Do not let cable drag on ground.
3. Check condition of battery prior to each trip.

VI. Tips on Picking a Campsite**DO . . .**

Find a level spot that gets some breeze or wind. The breeze will improve ventilation in your trailer and keep bugs away.

Try to find a site with trees that will provide shade in the afternoon when the sun can get unpleasantly hot.

WARNING:

Camp on high ground, not in river or creek beds where flash floods can prove to be a danger.

Locate the trailer reasonably near water facilities, toilets, and electrical hookups.

DON'T . . .

Pick a site near a busy road or boat dock. Late-arriving campers and early-rising fishermen can cause you to lose sleep.

Pick a site near standing water or swampy area. These are obvious breeding grounds for mosquitoes.

Park near any tree that has large dead branches that may blow down on your trailer.

REMEMBER . . .

Being "on wheels" is a great asset - you can always move, if you wish, to a better spot. It's a big, wide, wonderful world!

SET-UP INSTRUCTIONS

GETTING STARTED

Prior to the initial camping trip, familiarize yourself completely with the operation, care and construction of your new Coleman® Plantation™ trailer. Upon your first camp, we suggest that you set up your trailer slowly and per the set-up instructions to prevent unintentional damage to the equipment.

1. Select a level campsite, preferably not on soft or sandy terrain.

2. Pull or back the trailer to desired position for campsite.

3. Disconnect electrical pigtail, breakaway switch and safety chains; raise the coupler release handle. See Figure 1.

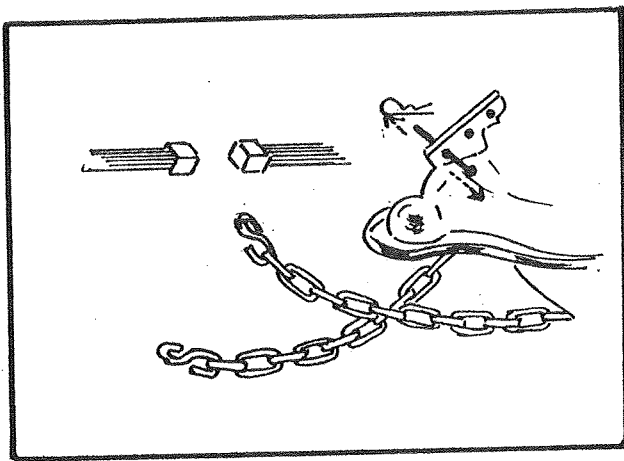


FIGURE 1

4. Pull the lock pin (located on the tongue jack) and let the tongue jack swing down into position. Allow the lock pin to lock the tongue jack in place. See Figure 2.

CAUTION:

Failure to engage the tongue jack pin could result in the trailer tongue falling resulting in injury to yourself or others.

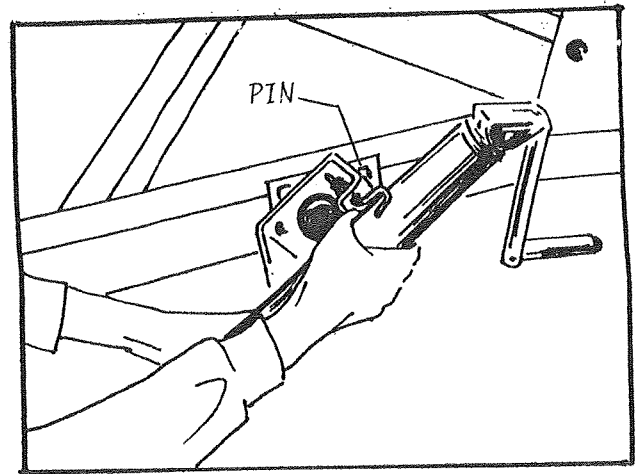


FIGURE 2

5. Pull the handle of the tongue jack up and rotate the handle in a clockwise motion to lift the trailer tongue up and off the ball hitch.

6. To prevent interference during the set up of the trailer, drive the tow vehicle away from the trailer.

7. Adjust the tongue jack by elevating or lowering the dolly wheel so that the trailer is level horizontally.

8. Release the four "top" latches. See Figure 3.

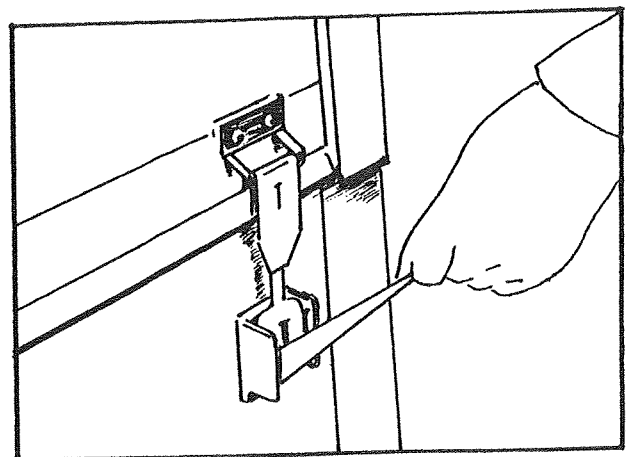


FIGURE 3

9. From the right side of the trailer, insert the key into the lock (located on the access door) and turn 90° clockwise. The handle will pop out. Rotate the handle 90° clockwise to open the access door. Pull out and down on the access door to provide an entrance.

IMPORTANT:

A. Before lowering the access door, insure that the area directly beneath the access door is free from obstacles to prevent damage to the exterior finish of the access door.

B. Do not position stabilizers before top is raised as this can place an undue stress on the trailer frame and lift system resulting in premature wear.

10. Remove the crankshaft handle from the recommended stowage location in the access door step and attach it to the crankshaft located on the right side of the upper rear panel.

11. Turn the posi-action™ control handle clockwise to the "open" position (note decal) and rotate the crankshaft handle in a clockwise motion to raise the top. See Figure 4.

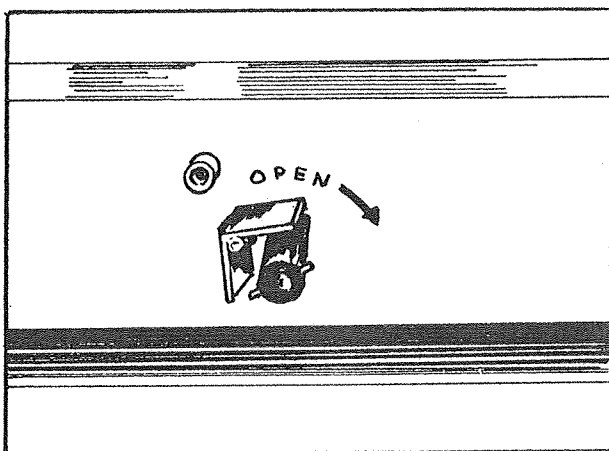


FIGURE 4

CAUTION:

Keep a constant inward pressure on the crankshaft handle to prevent the crankshaft handle from backing off the crankshaft. During the lifting of the top **DO NOT RELEASE THE CRANKSHAFT HANDLE** without engaging the posi-action™ control. Bodily injury could result if the handle is released and spins freely when raising or lowering the top.

12. Raise the top until it is fully extended or the tent becomes reasonably taut, whichever occurs first. The posi-action™ control will

automatically keep the top locked in position. Remove crank handle from shaft and reattach other side of crank connection to bottom shaft. Wedge handle under bumper as added protection against top descent.

CAUTION:

It will be necessary to release posi-action™ control to place handle against bottom of bumper. Once crank handle is against underside of bumper, reengage posi-action™ control. Failure to engage these safety mechanisms could result in the uncontrolled descent of the top assembly.

IMPORTANT:

DO NOT crank the top to an extreme tautness, otherwise the cables can be stretched or broken.

13. There are four stabilizer jacks on this trailer. One jack is located in each corner of the trailer. To release the jacks from the locked travel position, reach under the corner and firmly grasp the stabilizer jack, push it toward the center of the trailer (approximately 1/2"), and pull down until the stabilizer jack locks into place in the lowered position. See Figure 5.

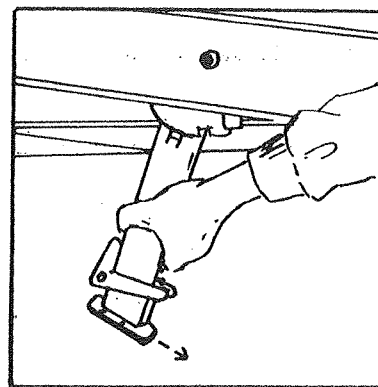


FIGURE 5

WARNING:

Do not lie under trailer when putting stabilizers down or up. Should the trailer fall, serious bodily injury could result.

NOTE:

When the trailer has been over rough terrain and the stabilizer jacks have collected road tar, mud, or brush, it may be necessary to dislodge the foreign matter from the stabilizer jacks before lowering into position.

14. Each stabilizer jack has an inner leg which must be extended to the ground. Because of certain terrain conditions, it may be advisable to locate flat blocks of wood or flat rocks under the base plates of the stabilizer jacks. See Figure 6.

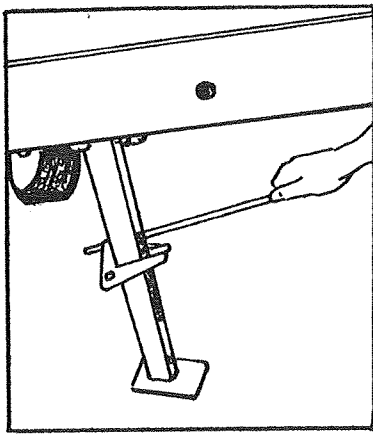


FIGURE 6

15. Remove the stabilizer handle from the recommended stowage area in the access door. Using the stabilizer jack handle, extend the inner legs of the stabilizer jacks to stabilize the trailer, making sure the handle is inserted through rear hole. Remove jack handle and stow. See Figure 7.

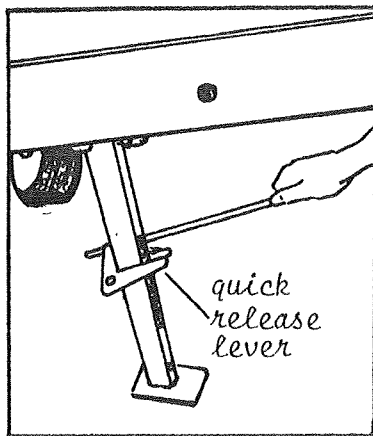


FIGURE 7

CAUTION:

Do not lower the stabilizer jacks prior to raising the trailer top as this can place an undue stress on the trailer frame and lift system resulting in premature wear. Do not use the stabilizer jacks to take the weight of the trailer off of the tires. The jacks are intended **ONLY** to "stabilize."

BED SET-UP

16. Standing right of center at the tongue end of the trailer, place hands (approximately 1

1/2 feet apart) on the bed frame and pull until the bed hits the stops. See Figure 8.

IMPORTANT:

This movement must be done slowly and evenly to prevent inadvertent jamming or wedging of the bed on the sliding tracks.

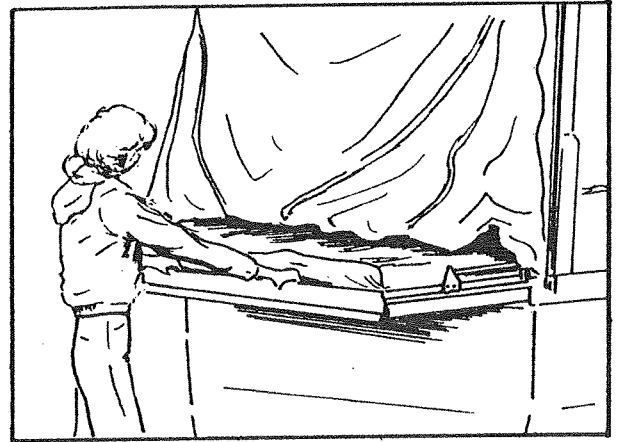


FIGURE 8

IMPORTANT:

DO NOT put any weight on the beds while they are extended without first attaching the bed supports as damage to the bed rails may result.

17. Kneel down beneath the side of the fully extended bed and pull down and swivel the bed support tubes from their travel positions. Lift the bed slightly while placing the free end of the bed support tube over the support peg. Perform same procedure for the rear bed.

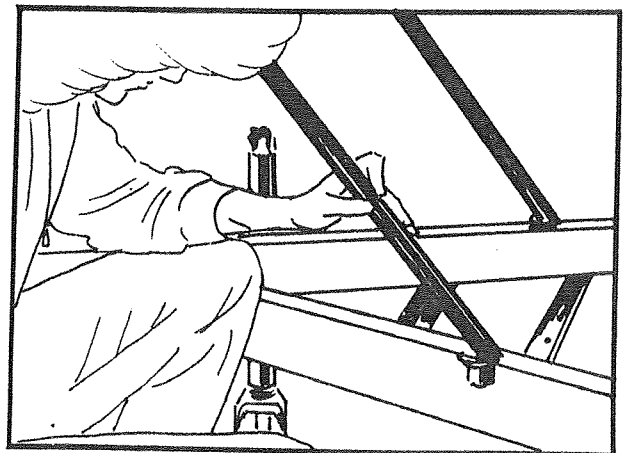


FIGURE 9

IMPORTANT:

Insure bed support post is fully engaged on the stud, otherwise any weight placed on the bed will cause damage to the bed's slide tracks. Bed supports are designed to swivel when in travel position; do not force into set-up position.

TENT ENCLOSURE SET-UP

18. With both beds fully extended and supported, grasp the bottom edge of either the front or rear tent enclosure with hands approximately 2 1/2 feet apart and **gently** pull as illustrated until the tent is supported. See Figures 10 and 11.

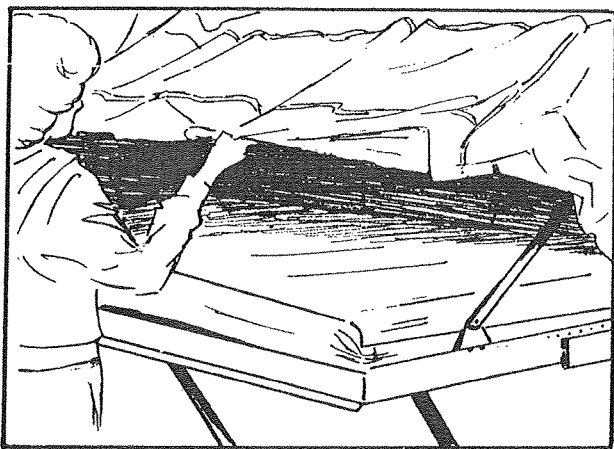


FIGURE 10

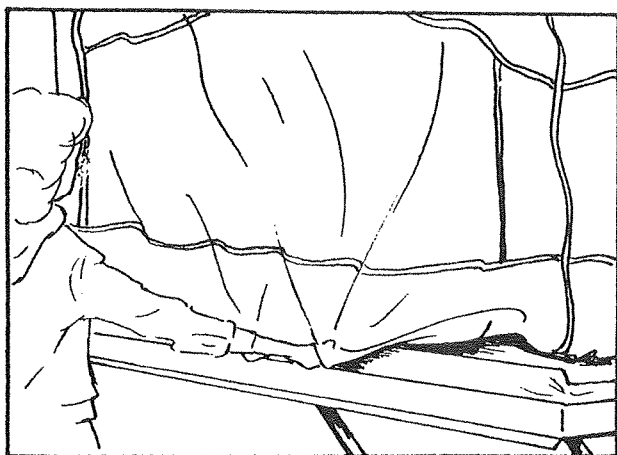


FIGURE 11

NOTE:

Before this procedure can be performed, the ties attached to the interior top corner of each boot must be tied to the bed support bow. For future set-ups, leave bows tied.

19. Pull the tent at the bottom over the bed edge and attach the exposed stretch cords to the nearest hooks on the underside of the bed. Repeat for other bed end.

BATHROOM WALLS

20. Figure 12 depicts the bathroom walls in their closed or travel position.

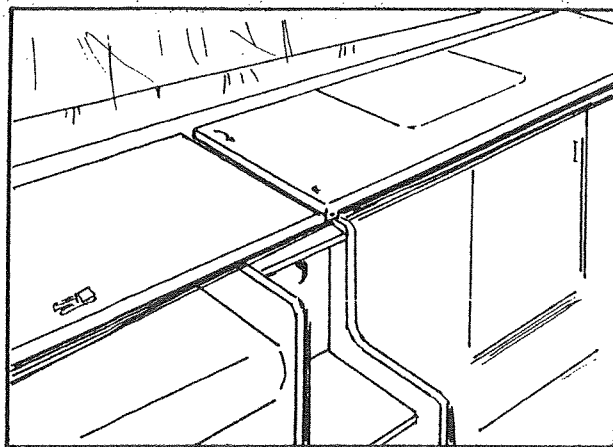


FIGURE 12

21. Begin this setup by grasping the handle of the interior wall section as shown in Figure 13 and raise to full folded vertical position as shown in Figure 14.

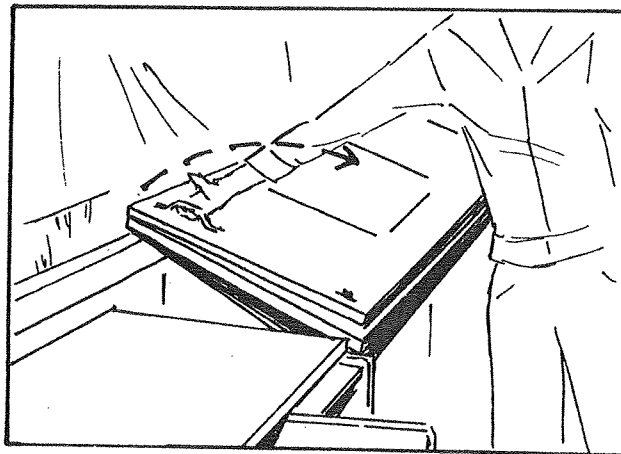


FIGURE 13

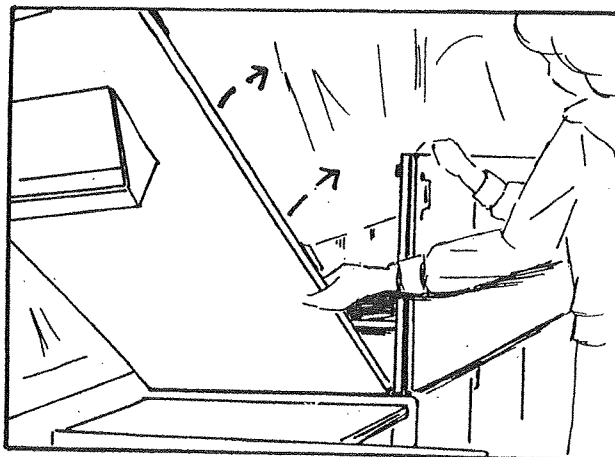


FIGURE 14

22. While holding the interior folded wall section with your right hand, raise the rear wall section as shown in Figure 14 and secure these two wall assemblies in place by depressing the slider lock retainer to its locked position. See Figure 15.

WARNING:

Be certain this lock is securely fastened before proceeding as damage to the walls or bodily injury could occur if the wall should fall.

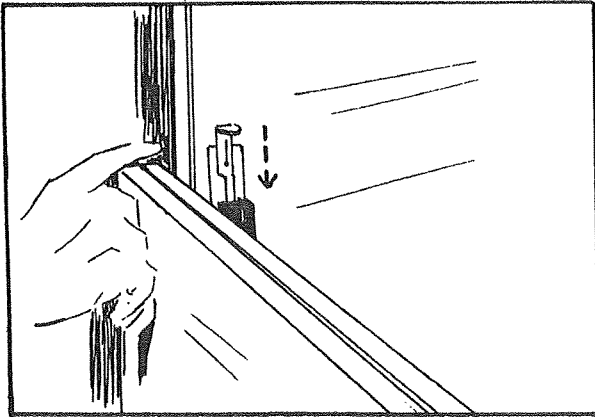


FIGURE 15

23. Raise the upper section of the trailer interior wall to its full vertical position and retain in place by fully engaging the slider lock retainer. See Figures 16 and 17.

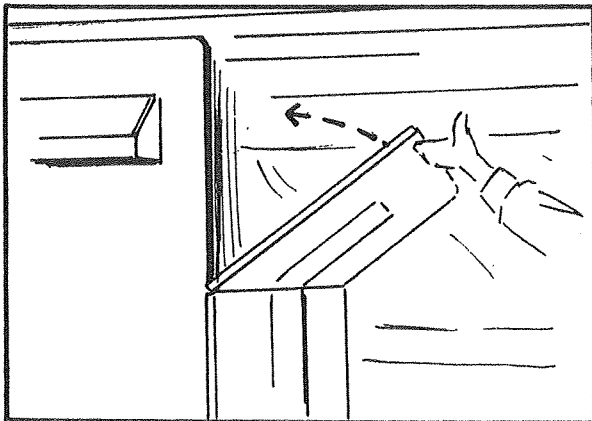


FIGURE 16

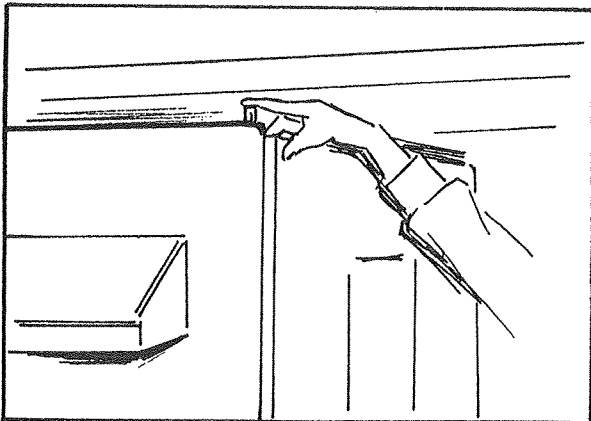


FIGURE 17

24. Open the bathroom door to a full 90° from the interior wall. See Figure 18.



FIGURE 18

25. Reach inside the door opening and raise the front wall section to full vertical height. See Figure 19. As you are raising the wall, step inside the bathroom area.

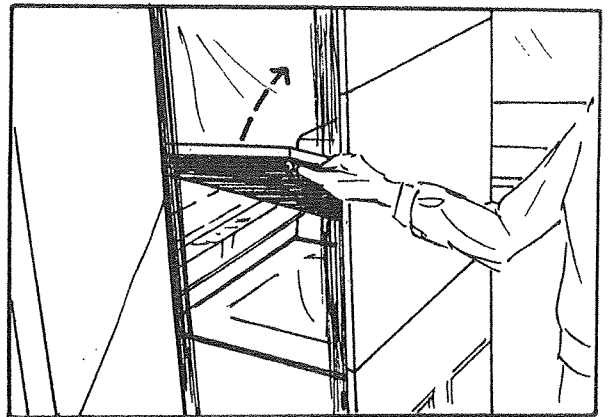


FIGURE 19

26. Secure the front wall section and interior wall together by engaging the slider lock retainer in the upper righthand carrier. See Figure 20.

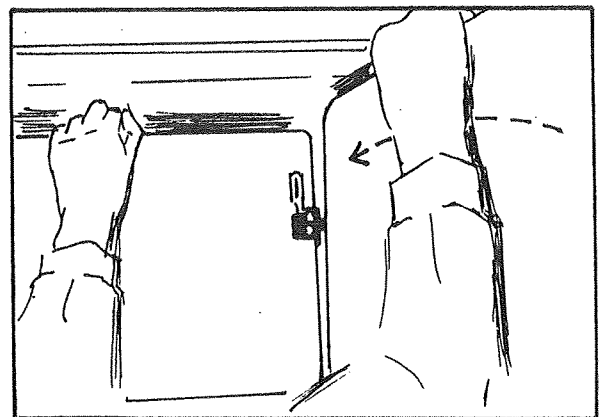


FIGURE 20

27. Recheck all bathroom wall latch retainers to be certain they are secure.

WARDROBE SET-UP

28. Remove the backrest and seat cushions from the top of the folded wardrobe. Set these cushions on the rear bed out of the way.

29. Grasp the handle located on the top of the wardrobe and raise the assembly until it is vertical. See Figure 21.

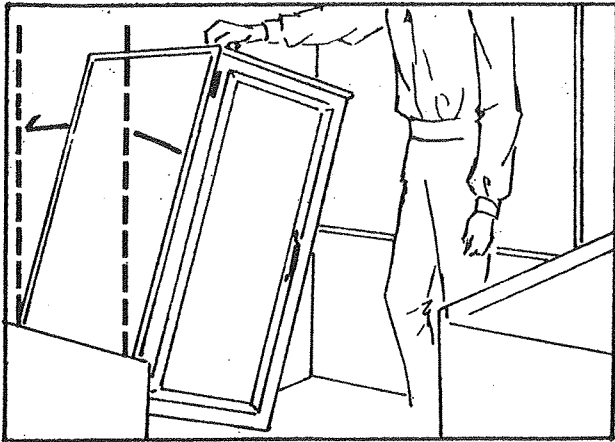


FIGURE 21

30. While holding the wardrobe in a vertical position, unfold the wooden rest from its storage position against the rear interior trailer wall and slide it under the wardrobe until it is flush with the two exposed sides of the wardrobe. This set-up is now complete and may be used as a wardrobe. See Figure 22.

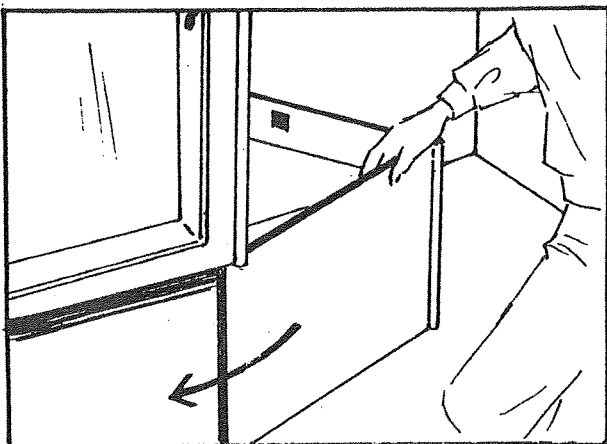


FIGURE 22

NOTE:

Hanging clothing items may be left in the wardrobe during travel.

Alternate Wardrobe Uses

Depending upon your preference, it may not be desirable for you to use this feature as a wardrobe. The backrest and seat cushion may be used on the folded down assembly as a seat. In order to secure the seat cushion, the plastic stops located on the seat bottom must be engaged in the plastic grommets to prevent cushion from sliding.

When the wardrobe is set up, ample space is provided under the assembly for storage of shoes or camping supplies.

SCREEN DOOR SET-UP

31. Unfasten the two screen door retaining straps. This will allow the screen door to hang by its glide cables.



FIGURE 23

32. Standing at the door threshold, reach up and grasp the bottom of the screen door with both hands. Raise and push the door toward the far side of the trailer to release it from its retaining brackets.

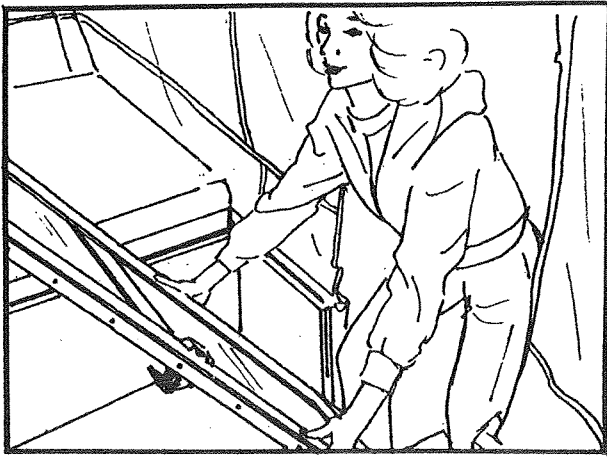


FIGURE 24

33. Hold the screen door up from the floor and move it toward the door opening.

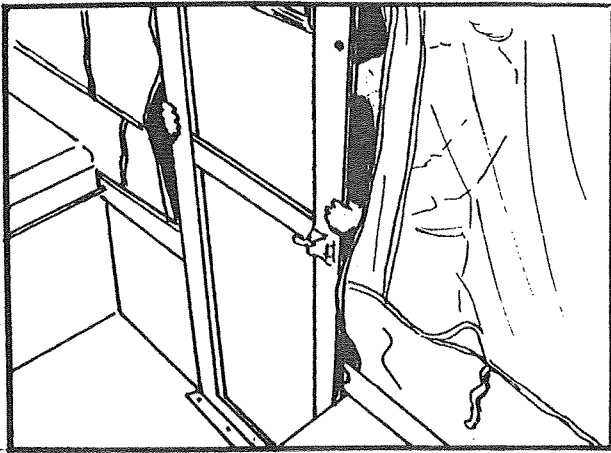


FIGURE 25

34. Grasping the door frame with both hands, one on either side, lower screen door into the doorframe track at the base of the doorway. Unlock the screen door latch and step inside.

35. Fit the top door retainer into position and engage the two retainer locks.

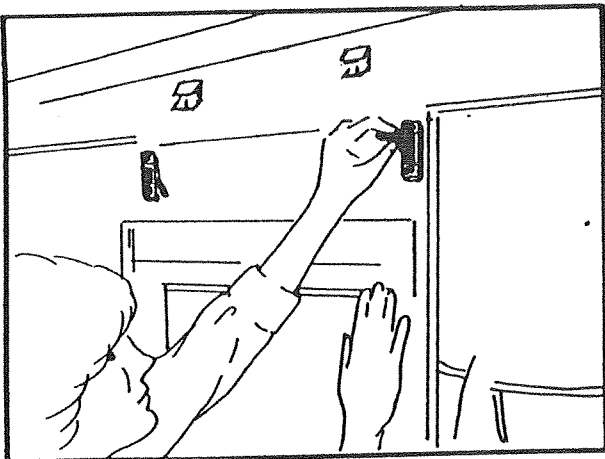


FIGURE 26

36. Step outside trailer and fasten tent retainer patches to the door jamb and body rail with the mating velcro. Starting at the base of the tent material, press the tent weatherseal on either side of the doorframe into the weatherseal groove on the doorframe.

NOTE:

On very tight tents, set-up is much easier if the screen door weatherseals are installed first. Rest each bed tent on top of the beds, install the weatherseals, and then pull the tent over the bed edges.

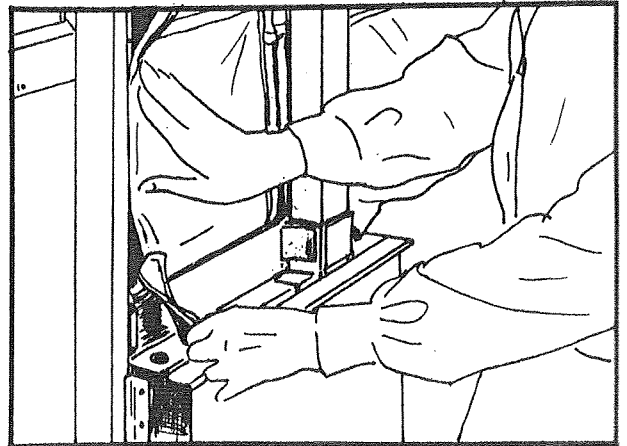


FIGURE 27

DINETTE SET-UP

37. Lift the backrest off the dinette table and slide the seat cushion inboard. Set the backrest in place against the side wall. Slide the seat cushion in place, making sure that the plastic stops are wedged firmly against the interior of the metal seat frame. (See Figures 28 and 29.)

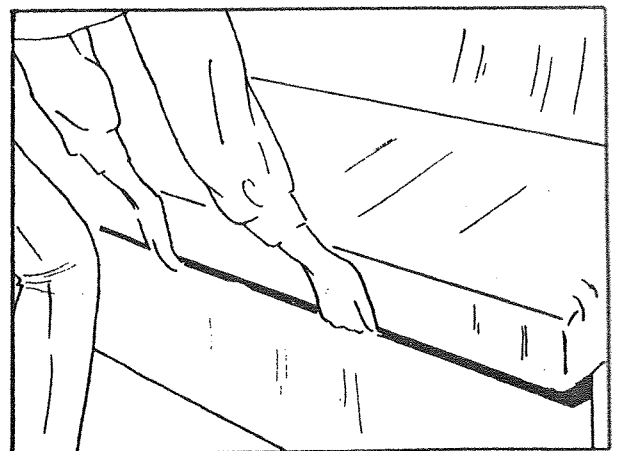


FIGURE 28

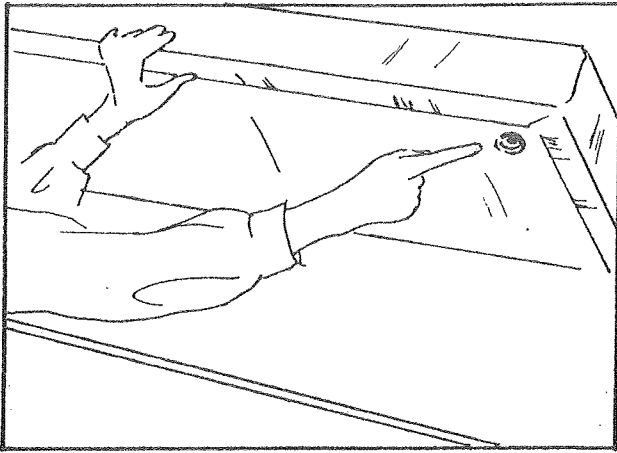


FIGURE 29

NOTE:

To lift dinette seat, be certain to push the seat cushion firmly toward the trailer wall before lifting in order to prevent inadvertent damage to the plastic stops.

NOTE:

A flip-up seat retainer is provided to hold the cushions upright to permit seat storage access.

38. Extend the table legs completely so that both leg supports lock into position. Set table upright and check to insure it is stable. (See Figure 30.)

CAUTION:

The table top could be damaged by exposure to rain or extended periods of sunlight.

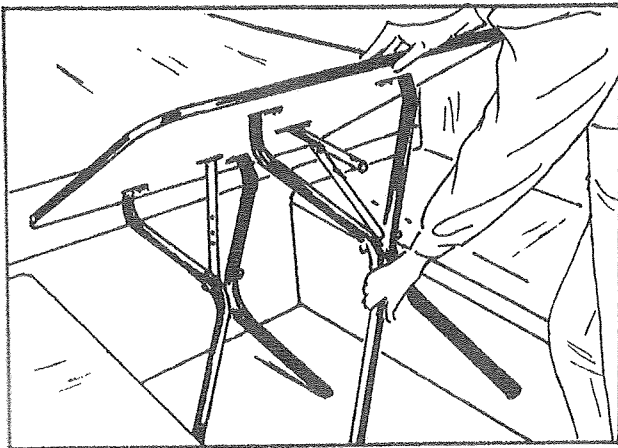


FIGURE 30

BED BOW SUPPORT SET-UP

39. Adjust bed bow support as necessary to make the tent enclosure over the bed taut. This

is done by pressing the release button on the pole and extending the rod to the next hole location. See Figure 31.

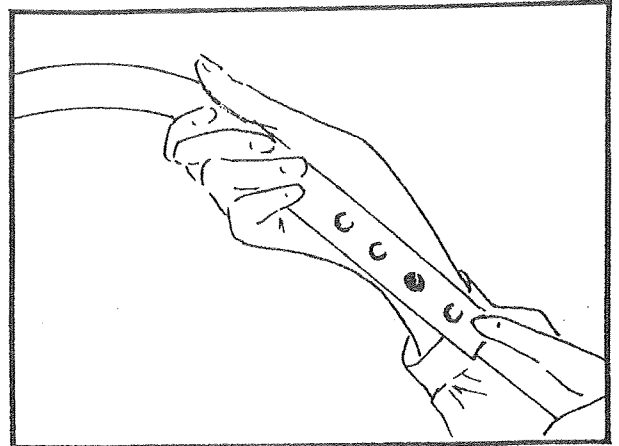


FIGURE 31

40. To complete and support the tent enclosure over the bed (front and rear), attach the bed bow support by inserting the straight end into the bed bow. Insert the rounded end of the bed bow support into the roof retainer. (See Figure 32.)

NOTE:

These may be stored preadjusted under each mattress.

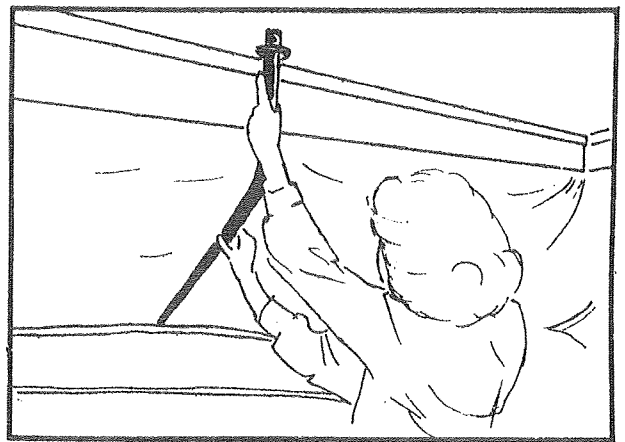


FIGURE 32

STOVE SET-UP

41. Raise the stove cover into position and fold upper portion down.

IMPORTANT:

Do not place hot cooking utensils on cabinet tops or table top. Damage to surface could occur.

42. Check to insure all burners on the stove unit are turned off. Open the valve on the LP gas bottle all the way by rotating the handle in a counterclockwise direction.

WARNING:

When trailer has been over rough terrain, test gas piping and appliances with soapy water for leakage. DO NOT test with a lighted match. DO NOT tamper with the gas bottle regulator; it is factory adjusted. Failure to adhere to this warning could lead to an undetected gas leak resulting in fire and/or explosion.

43. Turn on one LP burner on the stove unit and hold a lighted match near the LP burner.

NOTE:

Initially, it will take 20-40 seconds for the gas to flow from the bottle to the burner after which the LP burner will ignite.

NOTE:

For those trailers equipped with an oven, furnace, or refrigerator, follow manufacturer's directions for lighting and use.

ELECTRICAL AND WATER HOOK-UPS

44. When the campsite provides a pressurized water system: remove the protective cap from the external pressure water connector. Attach a non-toxic garden hose (not furnished) between the external trailer connection and the campsite-furnished faucet.

NOTE:

If city water is not connected, be sure to have city water cap plug tight for electric faucet pump to function properly. (See pump operation.)

45. Connect the waste system hose (not supplied) to the outside fitting and to the park sanitary system or suitable waste container.

CAUTION:

Do not interchange waste system hose and fresh water hose as contamination to the water supply could result.

46. When the campsite provides an electrical system: lift up the cable hatch cover, grasp the self-storing, 30-amp power cord plug and pull it out. Plug the power cord into the campsite-provided outlet. From inside the trailer at the power supply center, set the converter switch to the "CONVERT" position.

WARNING:

The electrical system is rated for a maximum 30 amperes normal household-type current. Be sure not to exceed this rating. Excessive amperage draw could cause electrical system problems. Be sure any outlet the trailer is plugged into is grounded and has the correct polarity.

The 12 volt converter changes the 115 volt park supply to 12 VDC current for the interior lighting and certain 12 VDC appliances.

Set converter switch to "BATT". The 12 volt switch functions as follows: Battery - requires an external 12 volt storage battery or tow vehicle connection. Do not use or store battery inside trailer.

On the tongue of the trailer is a 12 volt DC Bargman-type wiring harness connector. This connector operates all 12 VDC functions of the trailer both internal and external. See wiring diagram. The two wires with ring terminals coming out of the side of the tongue are for connection to a tongue-mounted battery. The two small-diameter black wires are for connection to the trailer breakaway switch. The refrigerator may be operated on 12 VDC while in transit utilizing the tow vehicle or trailer tongue-mounted battery. A "kill switch" between the top and front body rail eliminates all other 12 VDC functions while in tow.

TAKE-DOWN INSTRUCTIONS

1. From inside the trailer, flip the converter switch to the "OFF" position.

2. Disconnect the plug from the campsite outlet and return the extension power cord to its storage location. Close the cable hatch.

3. Disconnect the hose from the campsite-provided faucet and the external trailer connection. Stow the hose.

4. Screw the protective cap onto the external city water connector to prevent foreign

matter from entering the internal water system.

5. Close the valve on the L.P. gas bottle all the way by rotating the handle in a clockwise direction until the valve seats.

CAUTION:

Do not attempt to operate any propane appliance while the trailer is in tow.

6. From inside the trailer, open and light one of the stove burners; allow to burn until flame extinguishes. This will safely and effectively bleed the system.

7. Turn stove burner to off. Depress the spring-loaded clip lock on the side of the stove cover, pull down, and secure for travel.

8. Drain all water in the sink and tighten basket strainer.

9. Disconnect the waste system hose from the external trailer connection. Thoroughly rinse the hose and store. Replace drain cap.

10. Slide the drapes to fully closed position and remove by disengaging metal snaps.

NOTE:

For quicker camp set-ups at a later time, it may be desirable to leave the drapes up throughout the trailer. The drapes may wrinkle slightly, but the wrinkles will fall out during the next camp set-up. If drapes are left hanging, be sure to unhook drapery ties and spread drapes completely.

11. Detatch both front and rear bed bow supports from the roof retainer and from the bed bow. Lay the bed bow supports under each mattress. See Figure 32.

12. Lift the dinette table up on end. Apply pressure to the leg support locks and lower and secure legs by attaching the elastic cord over both dinette legs. See Figure 30.

13. Secure the dinette table by locating it on the rests between the bench seats.

14. Remove the backrests from their positions. Slide the seat cushions outboard and place the backrests, cushion side down, on the stored dinette table. See Figures 28 and 29.

15. Step outside the trailer. Begin at the top of the doorframe and carefully pull the

weatherseal on either side of the doorframe from the weatherseal groove attached to the doorframe. Unfasten velcro patches from door jamb and body rail. See Figure 27.

16. Step inside the trailer, lock the screen door, and release the top door retainer. See Figure 26. Step outside the trailer and grasp the doorframe with both hands, one on each side, lift up and remove from the door threshold and allow the door to tip inward. See Figure 25. Lift up and push the top of the door toward the far side of the trailer. See Figures 24 and 23. The large opening of the keyhole slots located on the door must be lowered onto the door storage retaining pins. Move door slightly to curbside to be certain pins are fully engaged and snap retaining snaps.

17. Grasp wardrobe handle and lift slightly. Fold the wood brace against the rear interior trailer wall. Lower wardrobe to trailer floor. Place seat cushion and backrest under the table for travel.

Bathroom Walls

18. Be certain interior bathroom area, countertop, and dinette cushions are free of any obstacles which might obstruct wall closure.

19. Slide latch at top corner of front wall and fold front wall into bathroom area. See Figures 20 and 19.

20. Fold upper portion of interior wall against itself. See Figure 16.

21. Disengage metal slider from rear wall and rest this wall on the dinette cushions.

NOTE:

Be certain wall rests on hardback or reverse side of cushion.

22. Step to the tongue end of the trailer; release the exposed stretch cords from the hooks located under the extended bed.

23. Pull the tent up and over the bed edge. Grasp the bed bow and push toward the center of the trailer until it lies flat on the bed. See Figures 11 and 10.

24. Kneel down beneath the right side of the extended bed. With one hand, raise the bed gently and with the other hand remove the bed support tube from over the support peg. Swivel the support tube up and lock into the travel position. (Queensize beds have additional supports.) See Figure 9.

25. Repeat Step 24 for the left side.

NOTE:

Before closing beds, be certain to tuck mattress end cover under mattress or lay it on top of mattress to prevent inadvertent tearing of material.

26. Insure the tent is up away from the bed edge. Standing at the center, place hands on the bed frame and push until the bed hits the stops. This movement must be done slowly and evenly to prevent inadvertent jamming or wedging of the bed on the sliding tracks. See Figure 8.

27. Perform Steps 23 through 26 for the remaining extended bed.

28. Remove the stabilizer jack handle from the stowage location.

29. Press on the quick-release lever of the stabilizer jack and push downward slowly. This releases the stabilizer jack and the corner of the trailer will drop somewhat.

CAUTION:

Be sure the tongue jack is supporting the trailer tongue and is locked in position to prevent sudden collapse of trailer tongue.

WARNING:

Stand clear of trailer when pressing on quick-release lever for the trailer will drop when it is released. Do not lie under the trailer when releasing or lowering the stabilizers. Bodily injury could result due to the quick drop of the trailer if these warnings are not followed.

IMPORTANT:

Do not lower top unless stabilizers are released.

30. With the quick-release lever in the disengaged position, slide the inner stabilizer leg up into the stabilizer jack until it locks in position.

31. Grasp the stabilizer jack, pull down and push up toward the center of the trailer into its horizontal travel position. Jiggle and pull back the stabilizer jack to insure it is up and locked into position. See Figure 5.

32. Perform steps 29, 30, and 31 for the other three stabilizer jacks and then stow stabilizer jack handle.

33. With posi-action™ control engaged, remove the crankshaft handle from the crankshaft by turning slightly clockwise and removing from shaft. Engage other end of crank connection to upper crankshaft.

CAUTION:

Be certain posi-action™ control is engaged before removing crank handle.

34. Rotate the crankshaft handle clockwise slightly to relieve tension on the posi-action™ control. Continue to hold handle and disengage posi-action™ control by turning it counterclockwise. See Figure 4.

35. Rotate the crankshaft handle in a counterclockwise motion and lower the top to within one foot of the trailer body. Engage the posi-action™ control handle clockwise to the open position to hold the top.

WARNING:

Keep a constant inward pressure on the crankshaft handle to prevent the handle from backing off the crankshaft. When lowering the top DO NOT RELEASE THE CRANKSHAFT HANDLE without engaging the posi-action™ control. Bodily injury could result if the crankshaft handle is released or backs off the crankshaft when raising or lowering the top.

36. Tuck in any tent fabric which may have worked its way out between the rooftop and trailer. This is important because if the tent is pinched between the top and the aluminum rail it can become worn or discolored. Turn the posi-action™ control counterclockwise and crank the top down fully.

IMPORTANT:

If the top will not seat properly onto the trailer, DO NOT force it. Raise the top to approximately one foot and recheck the tent distribution.

37. Stow the crank handle, lock the doorstep and then latch the four top latches.

38. Adjust the tongue jack so that the trailer tongue is higher than the vehicle ball hitch.

39. Back the vehicle close to the trailer and set brake.

40. Using the tongue jack, lower the trailer tongue onto the ball hitch of the vehicle. Engage the coupler release handle by pressing down into the locked position. The coupler has a hole in it for a safety clip or padlock to be sure it does not unlock.

41. Pull the release pin and swing the tongue jack up to the travel position. Bring the tongue jack handle up and over the tongue jack to store.

42. Attach the safety chains so they "criss-cross" under the ball.

43. Connect the electrical pigtail to the mate and the breakaway switch to the tow vehicle.

44. Check to see that all lights on the trailer are functioning properly.

SYSTEMS AND SPECIAL FEATURES

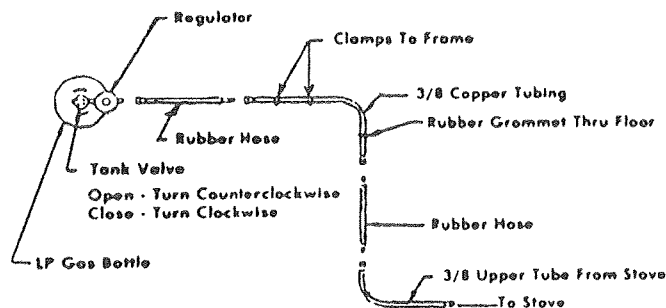
TRAILER L.P. GAS SYSTEM

Liquid propane gas is used in your trailer for three basic reasons: it is inexpensive, portable, and burns with intense heat. This system has been checked at our factory and by your dealer to insure its safety. This system should always be checked by an authorized L.P. gas supplier should any problems develop. Due to the importance of this system and the safety precautions built into it, we feel it best to take a little time to describe it to you.

A. Gas Bottle

The L.P. gas is stored under pressure in the gas bottle located on the tongue of your trailer. This bottle should be kept free of rust at all times. If rust should develop on the bottle, the area should be cleaned completely of the rust, primed, and repainted white. Quite naturally, the service valve on top of the tank should always be closed when the tank is not in operational use, and especially when in transit.

GAS SYSTEM ROUTING



In order to change an L.P. gas bottle, follow these steps:

WARNING:

Do not smoke while changing the L.P. gas bottle and extinguish all surrounding open flames to avoid the possibility of fire and/or explosion.

NOTE:

Position L.P. tank with safety valve pointing away from trailer. Additional fittings are required as appliances are added i.e., water heater, furnace, refrigerator.

1. Turn off the L.P. gas at the burners. Be sure to check all three.
2. Close the valve on the L.P. gas bottle by turning it in a clockwise direction until seated.
3. Disconnect the regulator on the L.P. gas bottle by turning clockwise, using a suitable wrench.
4. Loosen the wing nuts and remove the empty gas bottle.
5. Carefully place the full L.P. gas bottle on the tongue support and secure with the wing nuts loosened in Step 4.
6. Attach the regulator to the L.P. gas bottle by turning counterclockwise, using a suitable wrench.
7. Open the valve by turning it in a counterclockwise direction slowly.
8. Check for leaks by using a soap suds solution on all gas system fittings. We suggest that all gas system fittings in the trailer be checked for leaks with a soapy solution each time a gas bottle has been changed, every 30 days, or after the trailer has tracked over rough terrain. If the soapy solution is used and a leak is indicated by bubbles at a connection, tighten that particular connection sufficiently to stop the leak. If bubbles persist, close the service valve and contact your Coleman® camping trailer dealer or L.P. gas supplier for assistance. If a

leak is suspect in the trailer, you will notice that L.P. gas has a distinctive odor. Should this be encountered, follow these directions:

- a. Extinguish any open flame.
- b. Open the door and exit the unit, leaving the door open.
- c. Close the service valve on the L.P. gas bottle.
- d. Do not touch electrical switches.
- e. Allow the trailer to ventilate thoroughly.
- f. Check all valves and pilot lights.
- g. Check system for leaks by following steps outlined in Item 8 above.

B. Gas Bottle Regulator

The gas bottle regulator is the heart of your L.P. gas system. It is an automatic device with working parts which move continuously. Consequently, it requires more care, protection, and attention than any other part of the system. The basic function of the regulator is to take a high and varied inlet pressure from the gas cylinder and reduce it to a safe and consistent low outlet pressure to the gas appliances. Whatever the pressure is in the gas bottle, and it will vary due to atmospheric conditions, the regulator's job is to reduce it to 6.35 ounces or 11" water column outlet pressure, and supply fuel downstream at this pressure in whatever volume is required to efficiently operate each appliance as the demand is made.

The regulator is equipped with a vent because it is constantly "breathing." That is, the diaphragm of the regulator moves down and draws air into the bonnet or adjustment spring housing. When the diaphragm moves up, the air is expelled through the vent. In the event that excess pressure builds up in the lower housing or body of the regulator, a relief mechanism vents it to the atmosphere. It is imperative, therefore, to check the vent frequently to be sure it is clean and free of water, corrosion, or obstructions as clogging is the most common cause of regulator malfunction. If the vent does become clogged, it can easily be cleaned with a toothbrush. In addition, your regulator should be checked periodically by a competent L.P. serviceman to be sure that it is properly adjusted and in safe working condition. By following these simple precautions, your regulator will give you years of trouble-free service.

WARNING:

If the regulator vent becomes plugged, excessive pressure will cause the appliance to leak, making fire and/or explosion possible and causing subsequent damage to the appliance.

C. How Should the Regulator Be Mounted?

The regulator will function regardless of the position in which it is mounted; however, the recommended mounting position is with the vent vertically down or in a direct line opposite the inlet. If for any reason this is not possible, bear in mind that it is extremely important that the vent be pointed in a direction which results in the least likelihood of dirt, water, or other foreign materials getting into the regulator. It is also important to install the regulator in a position in which the cover cannot possibly become a receptacle for water or other foreign materials.

D. What is Freeze-Up?

A regulator does not freeze, nor will L.P. gas; however, as the gas passes through the regulator, it expands and cools, and moisture in the gas or in the regulator will turn into ice. This ice can build up and totally or partially block the orifice and thus partially or totally block the fuel supply. There are a number of things you can do to prevent this type of freeze-up:

1. Be sure the L.P. cylinder is totally free of moisture before it is filled.
 2. Be sure the cylinder is not overfilled. Insist that the bottle never be filled beyond 80% liquid level.
 3. Keep the valves on an empty cylinder closed.
 4. Have your L.P. dealer purge the cylinder if freeze-up occurs.
 5. If necessary, have your L.P. dealer inject methyl alcohol in the cylinder.
 6. Keep the cylinder in an upright position.
- E. If a gas bottle is overfilled, a built-in pressure mechanism on the bottle will allow excess gas to escape. It is imperative, therefore, that once bottles have been filled that they always be stored outdoors in an upright position whereby complete ventilation is possible. As an example, if a bottle is filled during extremely low temperatures, an increase in temperature will allow the gas to expand and possibly trigger the release valve. The presence of this gas in a confined area could result in fire or explosion caused by exposure to an open flame.

TRAILER ELECTRICAL SYSTEM

The electrical system of your camper is broken down into two separate and distinct functions - the 12 volt direct current and 110 volt alternating current. The 110 VAC is used solely for the operation of interior 110 VAC receptacles and the roof-mounted air conditioner accessory. The 12 VDC is used for all other functions including running lights, interior lights, and the operation of 12 VDC appliances (i.e., furnace, water pump). The power converter changes 110 VAC to 12 VDC for the operation of interior lights, water pump, and optional furnace.

A. 12 Volt Vehicular Electrical Circuit

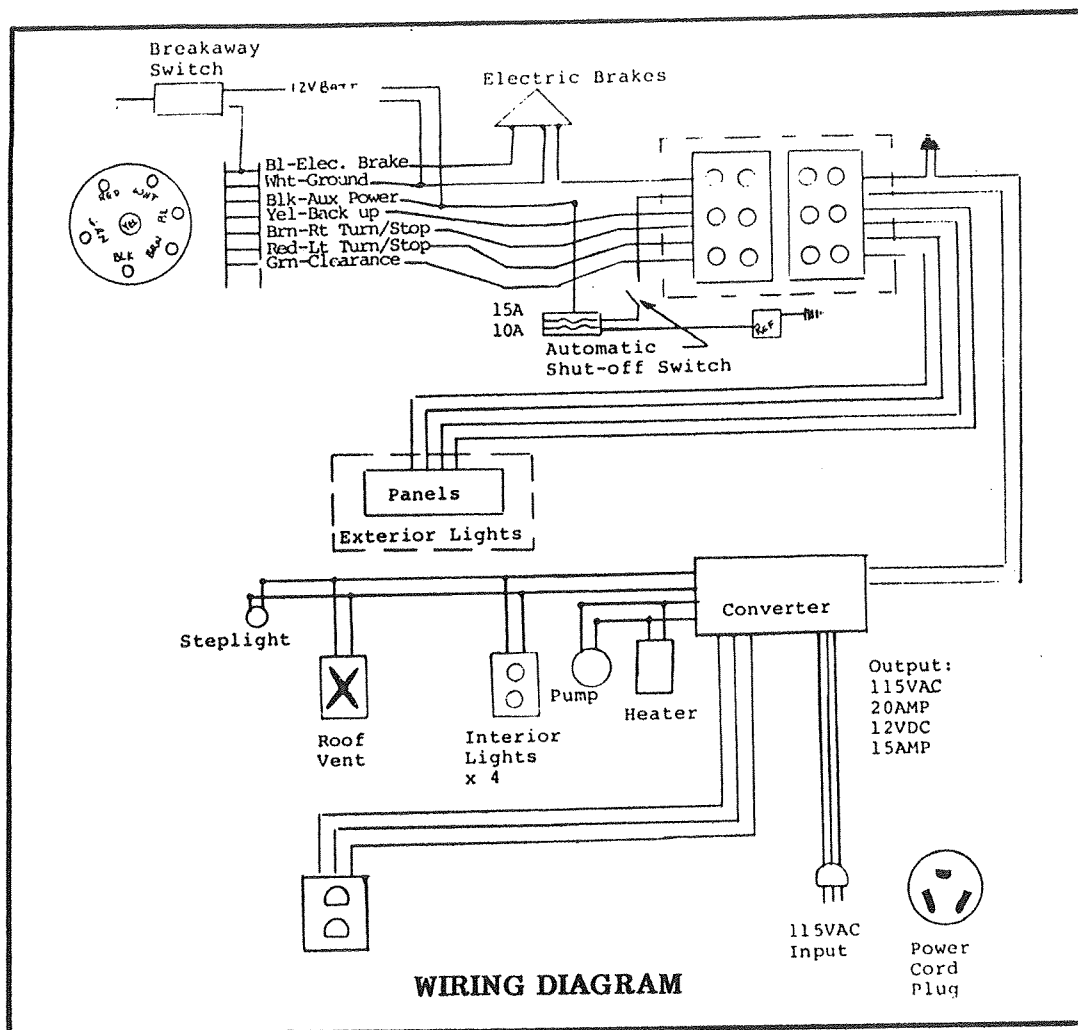
The 12 volt DC electrical circuit is dependent upon the tow vehicle's battery or an extra battery. Frequent and regular checks of the vehicle battery should be made to assure electrical system stability. We suggest the following checks:

1. Battery terminals and posts free from corrosion.
2. Battery terminals securely fastened to the battery posts.
3. Battery water level.
4. Battery voltage at the level specified by the vehicle manufacture.

Before each trip, make an operational check of all DC electrical functions of the trailer: turn, stop, side marker, and taillights. If a bulb does not light, remove the lens cover from over the bulb not functioning. Most often, bulb replacement will cure the malfunction; however, should the malfunction persist, secure the aid of a voltmeter and the wiring diagram contained herein and check the DC voltage and/or continuity of the circuit. Repair or replace as required.

B. 115 Volt AC Power Supply

The 115 volt, 30 amp AC power cord is located under the dinette seat. This power cord can be plugged into a park supply power source for the operation of interior receptacles. The converter will change the 110 volt AC park supply to 12 volt DC current for interior lighting, water pump, and optional furnace operation. (Please refer to page 14 of this manual for additional operation and use of the power converter.)



NOTE:

The switches located on the cabinet wall to the right of the screen door are for the operation of (a) steplight and (b) top lights and power vent.

WATER SYSTEM

Fresh water may be supplied to your trailer sink and tub-and-shower unit from one of two sources - the water tank or the city water hookup. Fixtures for both of these are located beside each other on the roadside body panel and are marked accordingly. When the city water is turned on, it will bypass the internal water tank with the exception of the water heater. In order to be sure the water heater is filled, it is wise to open the hot water faucet slightly to allow the escape of trapped air.

A. Water Tank System

To insure complete sanitation of the potable water system, we suggest the following procedure be used on a new system, one that has not been used for a period of time, or one that has become contaminated.

1. Prepare a chlorine solution using one gallon of water and 1/4 cup of Clorox or Purex household bleach (5% sodium hypochlorite solution).
2. Pour one gallon of solution into tank.
3. Complete filling of tank with fresh water.
4. Open the faucet until all air has been released from the pipes and entire system is filled. Run water up to the sink.

5. Allow to stand for three hours.
6. Drain and flush with potable fresh water.
7. To remove any excessive chlorine taste or odor which may remain, prepare a solution of one quart vinegar to five gallons water and allow solution to agitate in the tank for several days by vehicle motion.
8. Drain tank and again flush with potable water.

NOTE:

The built-in water tank is equipped with a screen filter which is located in the outlet fitting. The filter should be cleaned periodically to insure maximum pump efficiency.

Once the internal water system has been cleaned, flushed, and refilled, water may be drawn by turning the faucet counterclockwise. When using the city water supply, approximately 1/4 turn of the faucet knob will allow city water to flow freely without engaging the electric pump.

B. Sink Drain

The outlet port for the sink drain is located directly beneath the sink area on the roadside panel. The sink can be drained by simply removing the plastic protective cap from this fitting and allowing the water to flow freely from the sink. Please note that this fitting is threaded to allow the fastening of a rubber hose in order to drain the sink into a park-provided facility or waste container.

C. 12 Volt Electric Demand Water Pump

The electric demand water pump in your unit is warranted solely by its manufacturer. The electric pump can be activated for use by pushing the switch button located on the galley panel. Once the unit is activated, it will automatically switch on and off depending upon water use. Instructions for the specific care, use, and service of this component are enclosed with your trailer. This electric water pump is only to be used when a city water hookup is not available and water must be drawn from the storage tank and water heater.

IMPORTANT:

Do not allow the electric water pump to run when the water system is dry. Subsequent damage to the pump mechanism will result.

D. Tub and Shower Unit

Before easing into your shower after a "long day on the trail," take a few moments to read these helpful hints to further enhance your enjoyment of the ultimate in camping pleasure - a hot shower!

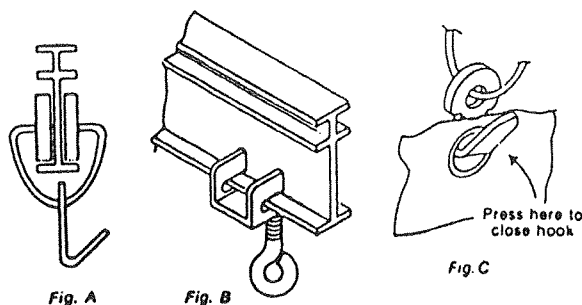
1. Connect a garden hose (not supplied) to the tub drain and route to a park-supplied drainage receptacle or a suitable waste container. An adapter fitting is supplied in the parts package.
2. Connect the shower head hose to the tub fitting and hand tighten.
3. Adjust the shower curtain to insure that the total area around the tub is sealed and the curtain bottom is inside the tub.

4. Adjust the water temperature and enjoy "roughing it."

E. Hanging the Plastic Shower Curtain

The plastic shower curtain can be installed in the tracks located in the top assembly above the tub by following this simple procedure:

1. Slide all carriers with the hooks onto the I-beam, making sure that all hooks face the same direction. See Figure A.
2. Assemble the curtain stop to I-beam by sliding stops on to the ends of I-beam; locate approximately 1/4" from each end of I-beam and tighten thumb screw tight with your hand.



IMPORTANT:

If pliers are used, care should be taken not to overtighten. See Figure B.

3. Assemble curtain to track by placing carrier hooks on track through small eyelets in curtain. Hooks may be squeezed together with thumb and forefinger after the curtain is hung to secure it to the hook. See Figure C.
4. When the shower curtain is not in use, it may be conveniently stored in the trailer; however, curtains must be dry before storing.
 - a. Slide the curtain to the curbside of the tub unit.
 - b. Roll or fold shower curtain from the bottom up and fasten to the interior side of the top assembly with the two straps provided.
 - c. The shower curtain may be left in its stowage position for travel.

NOTE:

When your trailer is being stored for extended periods of time, it is recommended that the shower curtains be removed from the unit, folded and stored indoors under fairly constant temperatures. Extremes of temperatures could have an adverse effect on the plastic material.

F. Portable Toilet

The portable toilet in your new unit is a high-quality component serviced and warranted by its manufacturer. Please note the specific instructions enclosed with your portable toilet for its use and care. A list of service centers for this component is also provided in the unlikely event of needed service.

G. Draining the Water System

In order for the water system in your trailer to function properly for many years, it is necessary that certain precautions be taken prior to winter storage to prevent freezing of the water system lines.

1. Gas water heater drainage:
 - a. Be sure gas is shut off at the gas bottle and the electric pump is turned off.
 - b. Remove the water heater exterior vent cover.

- c. Using a socket wrench, remove the drain valve and allow the water to run out. Note water heater instructions for exact location of the drain.
- d. Open the hot water faucet on both the sink and tub to expedite drainage.
- e. Drain the system lines by pulling the metal ring on the in-line plastic drain plug located on the underside of the trailer directly behind the axle.
- f. Drain the water storage tank by opening the petcock located under the trailer directly beneath the water tank.
- g. The tub may be drained by removing the protective plastic drain cap.
- h. Once the system is drained, replace the heater drain valve and close the in-line drain, water tank drain, and tub drain.

H. Winterizing the Tub and Sink Drains

In addition to draining the water system, additional precautions must be taken to insure against freezing. Draintraps are installed in the trailer directly beneath the tub and shower unit and beneath the sink. These traps are visible by opening the cabinet door adjacent to each plumbing fixture. Due to the design of this system, water will always remain in the traps. In order to prevent damage from freezing, you must fill the traps with antifreeze prior to winter storage. This can be accomplished by simply removing each stopper and pouring approximately one-half pint of antifreeze into each drain. Your Coleman® dealer can assist you with the type of antifreeze available for this application.

I. Water System Versatility

The water system in your trailer is a high quality, versatile system. To acquaint you with the various methods of operation, a discussion of each follows:

1. City Water Supply

- a. Connect a garden hose (not furnished) to the campground-provided faucet and city fill fitting on the roadside panel of the trailer.
- b. Turn the city water supply "on" and allow the system including the hot water tank to fill.
- c. Light the water heater by following the instructions printed inside the vent cover.

IMPORTANT:

Be certain that the water heater is filled prior to lighting to prevent appliance damage.

- d. Simply turn the sink or shower faucet knob approximately 1/4 turn to draw water.

2. Use of the 18 gallon water tank. (Use when campground city water supply is not available.)

- a. Clean and fill the plastic water tank according to the instructions on pages 21 and 22 of this manual.
- b. Connect trailer exterior power cord to 115 VAC park supply and set the power converter to "convert."
- c. Engage the electrical demand pump by pressing the switch button located on the galley panel. Once the hot water tank is filled and all faucets closed, the pump will automatically shut off.
- d. Light the water heater by following the instructions printed inside the vent cover.

- e. Simply turn the sink or shower faucet knob approximately 1/4 turn to draw water. The electric pump will automatically engage to provide needed water pressure.

NOTE:

Continual running of the water pump once all water faucets have been closed and the water heater is full indicates a leak in the system. Should this occur, do not use the electrical pump and attempt to locate the leak to prevent interior water damage. Your authorized Coleman® camping trailer dealer can assist you with any needed repairs should this condition develop.

3. When a 110 VAC power supply is not available, your water system may be used exactly as described in #2 by connecting the trailer 12 VDC power supply to a tongue-mounted battery or tow vehicle outlet i.e., cigarette lighter.

WARNING:

The hot water drawn at the sink is directly out of the water heater. The temperature of the water could be as high as 150°. Scalding could occur if the hot water is not diluted. DO NOT expose the body directly to the undiluted hot water.

WARNING:

Hydrogen gas can be produced in a hot water system served by this heater that has not been used for a long period of time (generally two weeks or more). Hydrogen gas is extremely flammable. To reduce the risk of injury under these conditions, it is recommended that the hot water faucet be opened for several minutes at the sink before using any electrical appliance connected to the hot water system or lighting any gas appliance. If hydrogen is present, there will probably be an unusual sound such as air escaping through the pipe as the water begins to flow. THERE SHOULD BE NO SMOKING OR OPEN FLAME NEAR THE FAUCET AT THE TIME IT IS OPENED.

IMPORTANT:

Never attempt to light the water heater if it is not filled. Permanent damage to the heater unit could occur and such damage would void the warranty.

TRACKING SYSTEM

A. Tires

CAUTION:

To provide maximum towing ease, tire life, and trailering safety, check the following items before each trip to and from the campsite:

1. Tires inflated to recommended pressure as indicated on the vehicle identification label on the left side body panel or on the tires.
2. Wheel lugs securely tightened.
3. A visual inspection of tire tread and walls for wear or cuts.

Please Note:

1. The tires on the Coleman® Plantation™ trailer are warranted separately by the manufacturer. While the warranties of the various tire manufacturers vary in language, they in general provide that tires installed as original equipment at the factory are warranted to the owner to be free from defects in material and workmanship for the life of the tire tread. There is no warranty coverage for damages resulting from road hazards, etc.
2. If a tire warranty adjustment is required, the trailer owner should contact the nearest authorized representative of the tire manufacturer. In the event there is no local representative, the customer should follow the directions set forth in the tire warranty card packaged in each camping trailer. A Coleman® camping trailer dealer MAY be able to assist you in locating the

tire manufacturer's local representative who can handle warranty adjustments. Requests for tire warranty adjustments should not be sent to The Coleman® Company.

B. How to Change a Flat Tire

1. Tools Needed:

- a. 1 1/2 ton hydraulic jack
- b. 13/16" lug wrench
- c. Slot screwdriver

2. Tires may be changed in the following manner:

- a. When possible, locate the trailer on level terrain.
- b. Block the tire opposite the one needing changing.
- c. Keep the trailer attached to the tow vehicle.
- d. Remove the hubcap from the tire you wish to change.
- e. Using a 13/16" lug wrench, break loose the four lug bolts.
- f. Place a scissor or hydraulic type jack with a rating of 1 1/2 tons or more under the frame channel on the same side as the flat tire, approximately 6" behind the axle. Operate the jack until the tire to be changed is raised approximately 3/4" off the ground.
- g. Take the lug bolts off using the lug wrench.
- h. Slide the tire off by placing the hands at the 3 o'clock and 9 o'clock positions on the tire and pulling.
- i. Slide repaired, new, or spare tire onto the axle by placing the hands at 3 o'clock and 9 o'clock positions on tire.
- j. Start each lug bolt with the fingers and then use the lug wrench to draw the lug bolts reasonably tight.
- k. Lower the jack until the tire is on the ground. Using a lug wrench, draw the lug bolts tight (85-95 footpounds torque).
- l. Replace hubcap.
- m. Stow all tools.

C. Brakes

Electric brakes must be synchronized with the towing vehicle's brakes to insure maximum controlled braking. The synchronization requires adjustment of the trailer's brake shoes, and the tow vehicle's automatic controller and selective resistor. We suggest that you secure the advice of your dealer as to the "who and where" this can be done in your area.

The initial brake adjustment should be made after 40 or 50 normal braking stops. This adjustment should be limited to the brake shoes only.

After completing approximately 200 normal braking stops, a brake system adjustment should be made.

Foregoing the "wearing in" procedural adjustments, the electric brakes need to be checked and

adjusted as required, once a year.

D. Ball Hitch and Coupler

Maintain a coat of light grease on the ball hitch of your vehicle. This will induce longer ball hitch life and towing ease.

Make a visual inspection of the safety chains for damaged or corroded links; repair or replace as required. Insure the ball hitch is securely attached to the vehicle and the ball head is securely tightened.

E. Recommended Practices for Lubricating and Adjusting Wheel Bearings

IMPORTANT:

Wheel bearings should be checked before the initial camping trip and then every 2,000 miles or twice a season, whichever occurs first, and at the beginning of each camping season.

1. Lubrication - Why?

Proper lubrication is essential to all types of bearing application. The kind of lubricant used is governed by the design and operating conditions. The function of lubricants is mainly to:

- a. Reduce friction between moving parts.
- b. Carry away heat.
- c. Aid the seal in keeping lubricant in its place and keeping foreign matter out of the bearing.

Bearings will run the coolest and with the least friction when a minimum amount of the lightest bodied lubricant that will keep bearing surfaces apart is used. Heat in bearings is due to a number of causes such as: (a) too much lubricant, (b) too heavy lubricant, (c) too tight adjustment.

We probably will always have with us the man who says, "If a little is good, a lot is better." This is as great a fallacy in bearing lubrication as it is in medicine or anything else. If too much or too heavy a lubricant is used, there is bound to be an increase in temperature when the wheel starts to rotate, usually followed by leakage. An attempt to stop this by tightening the adjusting nut will increase the friction, thus still aggravating the condition until, in extreme cases, the bearing fails.

We know that our bearings have to function under high temperatures due to the electric brake heat, so we have chosen lubricants of such character that they will return to their original consistency with practically no oil separation when the bearing cools. We use and recommend the following grease or its equivalent: Shell Darina EP2 or Sunoco Prestige 742EP.

2. Lubrication - When?

The manufacturing company recommends that wheel bearings be inspected and repacked every 2,000 miles or as required and at the start of every vacation season. A trailer sitting idle for a few months will collect some moisture in the hubs due to atmospheric conditions and this is the reason for inspecting and repacking the bearings at this time.

3. Lubrication - How?

The relubrication of wheel bearings is possibly the most important service performed to the running gear. The two most important phases of this operation are cleanliness and proper adjustment.

Before disassembly of the hub, check wheel play and freedom of rotation. Extreme or excess play indicates a too-loose adjustment or a defective bearing. Too much drag in rotation of the hub could indicate tightness in bearing adjustment or a brake being adjusted too tightly.

To begin disassembly, remove the dust cap. Next, remove the cotter pin, spindle nut, and washer. Jiggle the hub slightly to loosen the outer bearing. Usually the outer bearing will loosen up enough to be removed by hand. Pull the entire hub which contains the inner bearing and grease seal. Remove the inner bearing and grease seal by placing a brass drift or piece of wood through the small end of the hub and tapping gently until the bearing and seal is loose. Wipe all dirt and grease from the inside of the hub and the spindle.

Used bearings must be cleaned prior to relubrication. Various solvents are effective for degreasing. Successful processes employ kerosene, distillates, and chlorinated hydrocarbons. The solvent action of kerosene is limited, but it has the advantage of leaving a rust-inhibitive film on the bearing. After cleaning, bearings should be allowed to drain free of solvent which might dilute lubricants. Do not immerse the grease seal in any solvents, but wipe clean with a cloth.

WARNING:

Do not use above-described cleaning solvents near or around open flames as fire or explosion could occur resulting in serious bodily injury.

Carefully inspect cups (races) and cones (bearings) for pitting, scratches, excessive wear, or other damage. If either cup or cone is worn, replace the entire assembly. In other words, do not replace a bearing unless you also replace its mating cup.

If at all possible, use a bearing packer to repack the cones. If this is not available, the bearings can be lubricated by hand if the grease is pressed into and around each and every roller. Additional grease within the hub is not required. Install the inner bearing in the hub and replace grease seal by tapping gently with a wooden block, making sure the seal is installed as it was before disassembly. Replace hub on spindle, taking care not to damage threads or grease seal. Replace outer bearing, washer, and spindle nut. Slowly rotate the hub in one direction or the other while tightening the spindle nut (maximum 50 footpounds torque) or until there is a slight bind to be sure that all bearing surfaces are in contact.

IMPORTANT:

At this point the adjusting nut is backed off 1/6 to 1/4 turn or to the nearest locking hole or castellation. This will allow the wheel to rotate freely without excessive end play. The total amount of internal running clearance between the roller and the raceways of the bearings should be within 2/1000 to 8/1000 recommended limits. This can only be measured accurately with the use of special instruments, but by simply pushing inward and pulling outward on the hub several times a person should feel a very slight end play. If the bearings are too tight or too loose, they will fail prematurely. Install new cotter pin, bend to locked position, and drive on grease cap.

We wish to stress the point that the bearings used in the hubs of the TRAVEL TRAILERS of today are subjected to higher speeds and heavier loads than a few years ago. For that reason, they must be lubricated and adjusted more accurately than before. We feel certain that maximum bearing life and performance will be consistently obtained if the methods of lubrication and adjustment we have described are followed.

LIFT SYSTEM

The lift system in your new Coleman® Plantation™ camper is a well designed, virtually trouble-free system if used properly and within the guidelines set forth in this owner's manual. Twenty years of engineering design and improvements have gone into this system. Although this system has remained basically the same since we have been manufacturing camping trailers, we have improved the design, efficiency, and material quality. For example, the four lift assemblies on your camper are

manufactured from high-quality stainless steel. The four long cable assemblies extending from the main screw shaft to each lifter are stainless steel in order to offset the severe road conditions of salt, chemicals, dirt, and so forth. The pulleys used in the lift system are all steel pulleys with steel needle-bearing inserts for long life and dependability. Contained within this section, therefore, are some hints and tips relative to the proper care of your lift system.

A. Never crank the trailer up with weight on the roof except for a dealer-installed Coleman® air conditioning unit. Additional weight placed on the top assembly while the unit is being cranked up can result in an unnecessary strain on the lift system causing cables to be stretched and the loss of proper height adjustment. Never raise or lower the roof with the stabilizer jacks set. This action can cause a bind on the trailer frame resulting in excessive pressure being placed on the four lift assemblies.

B. Maintenance

The only maintenance that will be necessary to perform to your lift system is an occasional lubrication of the pulleys contained within the lifts. This lubrication should be only a silicone spray and used very sparingly.

NOTE:

Excessive lubrication on the pulleys and lift arms can result in unsightly stains to the tent fabric.

C. Top Adjustment

Height adjustment, if necessary, should be performed by your dealer. This service should be done at the main ballscrew system. Rough or emergency adjustment can be performed at each main cable pulley adjustable bracket. One bracket is located in each corner of the main frame tube area. Adjustments should be made as follows:

1. Crank top to approximately 12" high.
2. Block each corner.
3. Crank (down) a few turns to relax cables.
4. Remove pulley pin and relocate pulley to an alternate hole position. (Each hole should add about 1 1/2" to that particular corner or a maximum of 3" adjustment available at each corner. Do not overadjust or canvas and weatherseals may be damaged.)
5. Raise top to remove blocks.
6. Fine adjustments can only be performed at the main ballscrew area.

Posi-Action™ Control

Access to the posi-action™ control can be gained by following these steps:

1. Remove plastic "grips" from control handle.
2. Turn handle counterclockwise to align inner lug on handle with keyhole slot in control box (behind cover plate).

3. Pull control handle out of panel.

NOTE:

When properly aligned, handle can be removed with no resistance.

4. Remove control box from the trailer.
5. The posi-action™ control is now exposed and any needed repairs can be performed.

IMPORTANT:

We emphasize that any customer repairs to the lift system should only be done as a stop-gap measure. Your dealer should be consulted prior to performing any lift system service to prevent inadvertent damage to the system.

TENT ENCLOSURE

A. Care and Repair of Evolution® 3 Tent Fabric

An optional tent enclosure on all units depending upon customer choice is Evolution® 3 fabric. This newly designed material is a strong, three-layer polypropylene laminate which will resist common stains, soil, mildew, and rot. When soiling does occur, the problem can usually be corrected by the following procedure:

1. Light brushing with a soft cloth will remove most dirt. For persistent soils:
 - a. Wet soiled fabric with water.
 - b. Wash with non-detergent Ivory Snow™, work into a lather with a sponge; lightly work the lather into the soiled area.
 - c. Rinse thoroughly with copious amounts of water to remove all soap residue. Soap residue can cause fabric leakage.
 - d. Air dry completely.

If slight fabric leaking persists due to presence of soap residue, the area may be treated with a 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 e.g., insect repellents, suntan oils, can cause a loss of water repellency. This can easily be corrected by following the washing instructions outlined above.)

If slight fabric leaking exists at any seam, simply coat the affected seam with a small amount of the "seam sealer."

Accidental rips and tears in Evolution® 3 tent fabric can be easily repaired by either sewing or by the use of a repair tape such as Ripstop supplied by Kenyon Consumer Products, 200 Main Street, Kenyon, Rhode Island, 02836. Larger holes may be repaired by stitch patching with Evolution® 3 fabric. When stitch repairing, treat all stitching with a seam sealer such as K+ Kote Seam Sealer, Kenyon Industries, Kenyon, Rhode Island, 02836.

SPECIFICATIONS

GROSS AXLE WEIGHT RATING (GAWR) -
Weight-carrying capacity of the axle while the trailer is in tow. (See certification label.)

GROSS VEHICLE WEIGHT RATING (GVWR) -
The maximum loaded weight the trailer can safely accommodate while in tow. (See certification label.)

CARGO WEIGHT - The weight of all additional goods placed in the camping trailer and placed on trailer hitch while in tow.

Cargo weight or loading capacity can be computed for your model trailer by securing the weight specification from the trailer certification label (located on left body panel).

EXAMPLE:

GVWR 2750 lbs.
Trailer weight (dry - curb & hitch) 2050 lbs.
Cargo weight (dry)* 700 lbs.
*No gas or water in tanks.

To calculate the cargo weight with a FULL LP gas bottle and a FULL water tank, these weights must be deducted from dry cargo weight.

EXAMPLE:

LP gas in bottle (1) 20 lbs.
18 gallons water* 150 lbs.
Full tanks 170 lbs.
Cargo weight dry 700 lbs.
Less fluid weight 170 lbs.
Actual cargo weight for transit 530 lbs.
*Water weighs 8.345 lbs. per gallon.

NOTE:

Optional accessories added to the trailer must also be deducted from available cargo capacity.

NOTE:

The Coleman Company reserves the right to change specifications at any time without notice.

NOTE:

Weights listed are less fluids and options.

Coupler Size - 2" (maximum vertical load 300 lbs.)

Plantation™

Road Height	54"
Length Closed	17' 5 1/4"
Length Open	26' 6"
Width	6' 9 3/4"
Interior Height	6' 7"
Electrical System	115 VAC 30 AMP
Floor Area x 6'5" wide	13'
LPG Tank (lbs.)	20 lbs.
Water Tank (gallons)	18 gallons
Tire Size @ Listed GVWR	B78-13 ST
Tire Pressure	50 psi
Base Axle Weight**	1995 lbs.
Base Hitch Weight**	205 lbs.
Base Vehicle Weight	2200 lbs.
Cargo Capacity:	
On Wheels	505 lbs.
On Tongue	45 lbs.
Total	550 lbs.
Gross Axle Weight Rating (GAWR)	2500 lbs.
Gross Hitch Weight Rating (GHWR)	250 lbs
Gross Vehicle Weight Rating (GVWR)	2750 lbs.

**Weights listed are subject to a 3% variance due to raw materials.

Maintenance

COMPONENT	IDENTIFICATION	STANDARD CARE	FREQUENCY	A VOID
Appliances				
Stove	White porcelain	Appropriate household cleaners	As needed	Abrasive cleaners
Sink		Appropriate household cleaners	As needed	Abrasive cleaners
Countertops	Melamine overlay	Clean with warm, soapy water	As needed	Abrasive cleaners
Axle	Dexter Rubber ride			Road hazards and overloading
Backrest and Cushion covers	Olefin	Vacuum; foam-type cleaners	As needed	Grease, oil, excessive heat
Bathtub	ABS plastic	Appropriate cleaners	As needed	Abrasive cleaners
Bearings	Tapered roller	Lubrication See pages 25 and 26	Every 2,000 and before each season	Road hazards and overloading
Bed Slides	Aluminum	Use only silicone lubricant	As needed	Unsupported beds, excessive lubrication
Beds	Aspenite	Proper support	Always	Abuse
Brakes	Dexter 10"	Linings and adjustment See brake manual	Before each season and as needed	Overadjustment
Canopy	Vinyl with aluminum	Vinyl cleaner	As needed	Storing wet for extended periods
City Water Fill		Cover when not in use	Always	Overtightening
Converter	B&W Mfg., 15 amp	Use of proper fuses as noted on converter		Overloading and attempting to repair; sealed unit
Coupler	Franklin 2"	Wheel bearing grease on release lever and socket	Once per year	Overloading
Dome Light	1.5 amps	Re-lamp only with bulb noted on fixture base - #1141	As needed	Lights on when unit is closed operating in 12 VDC mode
Drain (Sink)		Winterize with proper antifreeze	As needed	Freezing
Drain (Tub)		Winterize with proper antifreeze	As needed	Freezing
Drapes	Polyester/cotton	Hand washable; mild detergent; drip dry	As needed	Maching washing; storing wet; ironing
Evolution 3	Polypropelene Three-layer	See page 28		Storing wet and harsh detergents
Exterior Finish				
Metal Panel	Painted aluminum	Wash with water and apply quality auto wax	As needed	Abrasive cleaners and waxing in the hot sun
ABS Panel	ABS plastic	Mild soapy water and wax	As needed	
Faucet	Mixer (plastic)	Warm soapy water	As needed	Abrasive cleaners
Fire Extinguisher		Check for charge prior to each camping trip; note directions on extinguisher		

Maintenance

COMPONENT	IDENTIFICATION	STANDARD CARE	FREQUENCY	A VOID
Floor Covering	Armstrong vinyl	Clean with water and mild soap	As needed	Abrasive cleaners
Frame	Painted steel	Rinse with water after salt or chemical contact; touch up bare spots	As needed	Chemical contact
Furnace	20,000 BTU Hydro Flame	See furnace manual		
Gas Bottle		See "Gas System" - pages 16 - 18		
Gas Hose	Rubber	See "Gas System" - pages 16 - 18		
Gas Line	Copper	See "Gas System" - pages 16 - 18		
Lift Assemblies	Stainless steel	See pages 27 and 28 of this manual		
Lug Bolts	13/16"	Tighten to 85 - 95 footpounds	Before each trip	
Mattress Covers	Olefin	Vacuum; foam-type cleaners	As needed	Grease, oil, excessive heat
Pigtail	Seven-wire Bargman	Inspect for cuts, breaks, or dirt	Prior to each use	Cutting, dirt
Pulleys (Lifts)		See "Lift System" - pages 26, 27 and 28		
Pump (Electric)	Shurflo	See separate manual with trailer		
Ratchet		See "Lift System" - pages 27 and 28		
Refrigerator	Dometic 211	Clean with mild soap and water	As needed	Direct sunlight; obstructed vents
Screen Door	Aluminum	Wash with water and apply quality auto wax	As needed	Abrasive cleaners
Stabilizer	Atwood (650 lbs.)	Keep free of dirt; lubricate with silicone	As needed	Dirt buildup
Table	5/8" Particle board with Decolam finish	Clean with damp cloth	As needed	Direct heat; excessive exposure to elements
Tires	Armstrong	See specifications		Under- or over-inflation
Toilet	Thetford	See toilet manual		
Tongue Jack	Atwood (500 lbs.)	Position handle properly while traveling; lubricate with light oil	Once a year	Salt and chemical contact
Top Assembly Exterior	Aluminum sandwich panel	Wash as needed; inspect for voids in caulking	Once a year	Abrasive cleaners; excessive weight
Interior	Vinyl luan	Clean with water and mild soap solution	As needed	Abrasive and sharp instruments
Vinyl Windows	Clear vinyl	Warm water and mild detergent	As needed	Abrasives and storing wet
Water Heater	Atwood (6 gallon)	See pages 22 and 23 of this manual		
Water Tank	Polyethelene	See "Water System" - Pages 19 and 20		
Wheel Covers	Plastic	Warm water and mild detergent	As needed	Excessive prying or impact

LIMITED WARRANTY
1988 Coleman® Plantation™ Camping Trailer
The Coleman Company, Inc.

1. Your new Coleman® Plantation™ Camping Trailer is warranted to the original retail consumer for one year from the date of retail purchase to be free from defects in material and workmanship. This warranty is not transferrable.

2A. The lift system (used to raise and lower the roof) is warranted to the original retail consumer for his or her lifetime against functional defects in material and workmanship. This warranty covers parts and labor for the first three years and parts only thereafter with the following **exclusions**:

i. Normal adjustments to the lift system (such as periodic roof height adjustment to compensate for stretch in cables) are covered for the first year of this warranty only.

ii. The installation of a roof air conditioner and/or any other roof-mounted accessories cannot exceed 175 pounds. Exceeding this limit voids the warranty provision on the lift system.

iii. Normal use, wear and tear, and excessive exposure to the elements.

iv. Any damage resulting from alterations to the lift system.

v. Any damage caused by improper routine maintenance or improper repair or by use of improper repair parts.

2B. The floor is warranted to the original retail consumer for his or her lifetime against functional defects in material and workmanship. The warranty on the vinyl floor covering is found in section 7.8 of this warranty. Parts and labor under this paragraph are covered for the first three years; parts only are covered thereafter.

2C. The steel frame is warranted to the original retail consumer for his or her lifetime against functional defects in material and workmanship. This lifetime provision does not

include the surface finish of the frame. Parts and labor under this paragraph are covered for the first three years; parts only are covered thereafter.

2D. The roof of this camping trailer is warranted to the original retail consumer for five years from the date of retail purchase against functional defects in material or workmanship. Parts and labor under this paragraph are covered for the first three years; parts only are covered for the fourth and fifth years.

2E. The warranty of paragraphs 2A through 2D is not transferrable and is limited to functional defects.

3. Return within ten days of retail purchase of the Warranty Registration Form provided with the Camping Trailer is a requirement to obtain warranty performance. The Warranty Registration Form will also permit Coleman® to locate consumers in the unlikely event of a product safety recall. Coleman® will send the customer an owner's card that reflects the warranty data for the trailer.

4. During the specified times, any defective parts in a Coleman® Plantation™ Trailer will, at Coleman®'s option, be either repaired or replaced on an exchange basis with new or reconditioned parts. This Warranty does not cover the expense to take the Camping Trailer to the dealer for repair, nor the return expense. The consumer must pay all expenses incurred in obtaining warranty performance other than those specifically provided for in this Warranty.

5. The date of retail sale is established by the Warranty Registration. Replacement parts are warranted for the unexpired duration of the original warranty.

6. To obtain warranty performance:

6.1 Consult the yellow pages of the telephone book under "Trailers - Camping and Travel" for the name, address, and telephone number of the nearest authorized Coleman® Camping Trailer

Dealer; or call Coleman® at 814/445-9661. (Collect calls will not be accepted.) Call the authorized Coleman® Camping Trailer Dealer, report the problem and schedule an appointment. Take the trailer at the scheduled time to the dealer along with the owner's card sent to you by Coleman®. Only authorized Coleman® Camping Trailer Dealers may perform warranty obligations.

6.2 The authorized Coleman® Camping Trailer Dealer will advise when the warranty performance has been completed. All payments for warranty service and for parts will be made by Coleman® to the dealer and not to the consumer.

General Exceptions and Exclusions

7. To the extent any or all of the following exclusions or provisions of this warranty are prohibited by any federal, state, or municipal law which cannot be preempted, those exclusions or provisions shall not be applicable.

7.1 THERE ARE NO OTHER EXPRESS WARRANTIES EXCEPT AS SET OUT ABOVE AND ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THAT OF THE EXPRESS WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

7.2 THIS WARRANTY DOES NOT COVER CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, OR INCIDENTAL EXPENSES, INCLUDING DAMAGE TO PROPERTY. 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.

7.3 This warranty does not cover damages caused by failure to perform normal and routine maintenance as set out in the Plantation™ Camping Trailer Owner's Manual.

7.4 This warranty does not cover damage caused by mishandling, neglect, abuse, misuse, lightning, or corrosive atmospheres.

7.5 This warranty shall not apply if the serial number plate is removed or defaced.

7.6 The tent material is not warranted against fading, discoloration, soiling, or problems resulting from misuse or abuse. Ripped or torn tents will be repaired or replaced at Coleman®'s sole discretion through an authorized Coleman® Camping Trailer Dealer, provided the rips or tears are noted prior to retail delivery.

7.7 Top assemblies are warranted only for functional defects such as leaks. Any nonfunctional or cosmetic problems that are not noted prior to retail delivery are not covered by this warranty.

7.8 The vinyl floor covering is warranted for gouges, cuts, or tears only if noted prior to retail delivery. Such damage noted prior to delivery shall be remedied by repair or replacement at Coleman®'s sole discretion.

7.9 The lightbulbs, fuses, tire valve cores, and other similar items are not covered by this warranty and are sold AS IS.

7.10 The tires, water heater, electric water pump, porta potti, furnace, stove-oven and refrigerator in trailers so equipped are warranted by their respective manufacturers. A copy of the warranty for each of these components is provided with the Camping Trailer.

7.11 Trailers used for rental purposes are covered by this warranty for three (3) months from the date of purchase by the rental dealer; or if rented by an authorized Coleman® Camping Trailer Dealer, from the date of rental registration.

7.12 This warranty applies only to products sold at retail in the United States and Canada.

8. The Coleman® Company reserves the right to make changes in the design or material of its products without incurring any obligation to incorporate such changes in any product previously manufactured.

9. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.