

60 lbs

## IMPORTANT

The 2 5/16 in. Hitch Ball should be mounted on your car so that the top of the ball is 20 in. from the ground. At this height and with an equalizer type hitch properly adjusted your Avion will ride level. With a single axle trailer it is not necessary that the trailer ride perfectly level to tow properly. We recommend that the trailer and car ride level for appearance sake.

With a tandem axle trailer it is absolutely necessary that the trailer ride level so that each axle will carry the same load. If the trailer is not level you will experience a "fish tailing" or swaying while traveling.

The wheel bearings should be packed with grease every 10,000 miles.

Tire pressure should be 45 lbs. in a 7.00 x 15 6 ply tire, 60 lbs. in a 7.00 x 15 8 ply tire and 75 lbs. in a 7.50 x 15 10 ply tire.

You must produce a defective tire for inspection if you expect to get an adjustment from your Armstrong distributor. Do not throw a defective tire away until such inspection has been made.

Do not travel with a sewer hose connection (elbow or nipple) inserted in the drain manifold of the trailer. Serious damage to the drain system or toilet installation may result if the sewer hose connection is not removed for this hose connection will scrape the pavement when entering or leaving a gas station or similar entrances.

## GENERAL PROCEDURE FOR "HOOKING-UP" BEFORE A TRIP

The following steps are suggested as a check list before starting on your trip with your Avion Coach.

1. See that all clothing, dishes, golf clubs, fishing gear etc. are properly stored. Heavy gear should be located near the floor and as near to the center of the Trailer as possible. It is wise to use square plastic containers in your refrigerator. DON'T leave ice cubes in the freezer compartment, unless your refrigerator has an ice water drain hose or is gas operated, while traveling. Pack rolled towels in front of containers in refrigerator so they won't move about or spill over. Unless you plan extended stays, far off the beaten path, there is no need to store up on food.
2. Be sure all drawers, cupboards, and closet doors are securely latched. The drawers in your Avion Coach are notched on the bottom slide edge, this notch prevents the drawers from opening while traveling. It is important that you form the habit of lifting and pulling as you open a drawer.
3. Radio, television, books folding chairs, etc. should NOT be placed on top of beds while traveling. The jiggling of the mattress and springs has a tendency of moving everything forward and if you use a quick brake this will throw everything off the beds onto the floor. Place radios, t.v., vases, etc. in boxes, pack carefully and place on floor in center of trailer.
4. If your utilities are hooked up, disconnect electric at the meter and then at trailer, flush toilet and if your trailer does not have a pressure water system open all faucets to drain water system. If your trailer has a pressure water system see instructions in this booklet for filling, draining, and proper use of pressure water system. Disconnect sewer and water hose and store after they are completely drained.
5. Close all windows, ventilators, and lock exterior door. At times while traveling on extremely dusty roads, it is advisable to leave the front roof vent open slightly. This has a tendency to create an air pressure inside of the trailer and prevents dust from filtering into the trailer.

6. Remove stabilizing jacks or blocks from under the coach, (stabilizing jacks for Avion Coaches should be placed under the frame at the front and rear of trailer. CAUTION-DO NOT place stabilizing jacks or blocks under aluminum under-belly skin.
7. Hook-Up. Raise the front of the coach with the post jack, have your partner back the car into place. We find the best system of signals to be, "clock-wise" or "anti-clockwise and about two feet, now about two inches" and so on, until the car is in position. Lower the front end of the coach so that the ball and socket are together. Move the car back and forth a little to be sure they are together, then put the ball lock in place. It is important to secure this lock by placing a small lock or pin through the eye-lets back of the latch. Jack the front of the coach up again (the car will come up with it) and put on the hitch and adjust for straight line in both units. Lower the coach onto the hitch. Hook-up the electric connection from car to coach. Hook-up safety chain. It is advisable to use an equalizer type hitch. Make all adjustments according to hitch manufacturers instructions.
8. Butane tanks should be shut off while traveling.
9. Check brakes and lites.
10. Re-check all previous steps and be sure you leave your parking area clean.

This information is general and normally may prove helpful to the novice trailerite. Most experienced Trailer Travelers have their own pet way of doing most of these steps.

## IMPORTANT INSTRUCTIONS FOR WINTERIZING YOUR AVION

1. Level the coach.
2. Open the petcock on the inlet faucet on outside of coach.
3. Open all faucets on the inside of the coach.
4. Open the valve in the line from the water heater through the floor of the trailer to drain the water heater tank (there are two of these valves on a double bed model - also at the water heater).
5. Open the bowl filler valve on the toilet and hold open for 15 to 20 seconds. It is most important that you drain this valve.
6. Drain the water from the toilet bowl by pushing down on the foot lever.
7. If your coach is equipped with a septic tank, open the septic tank valve. Fill the toilet bowl and release with foot lever. Follow this procedure two or three times to thoroughly flush the septic tank.
8. Raise the front end of the trailer as high as it will go by cranking the jack all the way up and allow to drain, then crank jack to lowest position and allow to drain. Return to level position.
9. Pour about one (1) cup of clear alcohol, or anti-freeze in each of the three traps--one in the kitchen sink, one in the bathroom sink, and one in the bathtub, using caution not to spill any on plastic bath tub where discoloration may take place.
10. CAUTION--before traveling, you should either flush out the bathtub drain, or place the plug in position and tape down, so that the alcohol will not splatter on the tub.
11. If your coach is equipped with a water tank you can blow the lines out by putting 75 lbs. of pressure in the tank and opening the drain valves and faucets one at a time. However, this procedure should not be necessary but may be done for additional protection.

### CARE OF THE EXTERIOR

If you should travel with your coach on roads that were chlorided or salted to melt ice, it is suggested that the chloride be washed off of the trailer as soon as possible.

A very light wiping with a soft cloth with a straight back and forth motion while hosing will remove the chloride, which if left on will cause discoloration.

The use of a mild soap or detergent will aid in the removal of road film.

### TIRES

Your Avion is equipped with Armstrong Nylon Tires. These are rated to carry the weight of your Avion plus ample allowance for clothes, dishes and personal items. For maximum load carrying capacity, your tires should be inflated to 45 lbs. in a 7.00 x 15 6 ply; 60 lbs. in a 7.00 x 15 8 ply; and 75 lbs. in a 7.50 x 15 10 ply. If you should require an adjustment on a faulty or defective tire secure the name of your nearest Armstrong distributor from the list in the back of this book. Take the defective tire to the distributor and he will make an adjustment according to the terms and conditions of the Armstrong guarantee.

### FINISH OF WOODWORK

The wood in your Avion is of the highest quality clear white pine and birch plywood. If you should wish to do some cabinet refinishing in your Avion the finish may be matched by using the following process:

Pratt and Lambert butternut stain is applied, left to penetrate for  $\frac{1}{2}$  hour, then wiped off. After the stain has dried for about three hours shellac is applied by brush. When the shellac is thoroughly dry it is sanded lightly with a very fine sand paper. The final finish is achieved by applying a coat of satin finish varnish with a brush and left to dry.

RADIANT SPACE HEATER

If your Avion is equipped with a space heater it is installed according to the recommendations of the manufacturer. The lighting instructions are located inside the louvered door at the bottom of the heater. The heater has been tested and adjusted at the Avion plant after installation.

A list of gas service centers is supplied in the back of this book, for your convenience, should your gas space heater need servicing.

WATER HEATERSBOWEN ELECTRIC

If your coach is equipped with an electric water heater it will be a Bowen electric water heater.

A heater switch with a warning light is installed in each Avion that is supplied with an electric water heater. When the light is on the water heater is on. DO NOT leave the heater turned on unless you have a water supply to the heater (either a hose supply or a pressure water system supply).

If your coach is equipped with a Bowen Gas Water Heater it will be located under the bed on the left side of the trailer in a twin bed model or on the right under the bed in a double bed model. To light the heater you must remove the lower panel of the heater on the outside of the Coach. This panel may be removed by turning the two (2) screws at the bottom edge of the panel. Open the gas shut off valve in the lower left corner and follow the instructions for lighting as listed on the tag inside of the heater.

For service under the terms of the Bowen warranty contact one of the authorized Bowen Service Centers as listed in the back of this book.

MARINE STOOL

If your coach is equipped with a Swirl-o-Matic marine stool, parts may be obtained by writing to:

Saniware  
1000 East 60th Street  
Los Angeles 1, California

### PRESSURE WATER SYSTEM

If your coach is equipped with a pressure water system you can fill this tank the two different ways listed below:

1. Apply one end of a hose to the hose connection on the trailer (left front underneath) and the other end of hose to a pressure water supply. Make sure all faucets in the trailer are closed and open the valve on the trailer where the hose is connected. Open the hot water tap on the kitchen sink, the valve on the trailer and on the supply. When water starts to flow out of the hot water faucet at the kitchen sink in a steady stream close the faucet and allow the water to run into the tank until it stops running. Close the valve on the trailer and at the supply, remove the hose. You will have a tank 3/4 full of water under pressure equal to that of the supply source.
2. The second method of filling the tank is as follows: Remove the cap on the filler spout and pour water in until it overflows. Close all faucets in the trailer, replace the filler spout cap and put pressure in the tank by using a hand pump or a service station air supply hose. We recommend a maximum of 60 lbs. pressure-10 to 15 lbs. is ample to supply water at all faucets. The air valve will be found on the filler spout.

### RANGES

If your coach is equipped with a Princess range you will find lighting instructions attached. Follow the instructions as listed when using your burners or oven for the first time.

For service on your Princes range contact Pan Pacific Manufacturing Corporation, 2053 East 38th Street, Los Angeles 58, California.

### DIXIE

If your coach is equipped with a Dixie range you will find an instruction booklet in the oven.

For service contact Dixie Products, Inc. at Cleveland, Tennessee. Phone Greenwood 6-8526 and they will refer you to an authorized service center.

## REFRIGERATORS

### GENERAL ELECTRIC REFRIGERATOR

In the back of this book you will find a special warranty certificate for General Electric appliances installed in Avion Trailers. If your coach is equipped with a General Electric Refrigerator and you should require service, present your warranty to any major General Electric Dealer, who will give you service according to the terms of the warranty.

There is a warranty card in the refrigerator which should be filled out and mailed: also you will find a use and service manual in the refrigerator for your convenience.

### NORCOLD GAS AND GAS-ELECTRIC REFRIGERATOR

If your coach is equipped with a Norcold refrigerator you will find the lighting instructions in the crisper tray. Before attempting to light the gas burner be sure that the gas heat distributor tube is installed in the proper place. If you wish to operate the unit on electricity be sure that the electric heating element is in place. For proper placement refer to the picture instructions in the refrigerator. When lighting hold the match under the zip tube going back to the main burner.

For gas operation be sure that the gas valve to the right of the gas thermostat control is turned open. It is very important that the refrigerator be level in all directions for proper operation.

During hot weather do not turn the thermostat to highest position. If the unit is turned on high in hot weather it will freeze and then begin to defrost and will not freeze again until it is turned off and the unit is allowed to cool.

The thermostat should be set on medium during hot weather.

When a gas tank is going empty your refrigerator might not freeze properly, this is due to a lack of pressure. Your gas burner will be operating but not with a sufficient heat to operate the refrigerating unit properly.

For service of your Norcold refrigerator refer to the list in the back of this book or contact Norcold, Inc., 16200 S. Maple Avenue, P.O. Box 250, Gardena, California.



### SEPTIC TANK

If your trailer is equipped with Avion fiber glass sewage waste storage tank, please follow these recommendations for using same.

To retain waste (from toilet only) close the holding tank valve. This valve is located at the sewer outlet at the rear left, up against the floor of the trailer. It is operated as follows: To close the valve push the small black knob forward (toward the front of the trailer) as far as it will go. Twist the black knob clockwise until it becomes tight. The valve is now in a closed position. To open the valve twist the black knob several turns in a counter-clockwise direction and pull back. It should pull back about 4". It is now in an open position.

Only the waste from the stool goes into your sewage storage tank. It is recommended that this tank be given a rinsing as often as possible. When in park with water and sewer connections, run water into toilet bowl and keep flushing with pedal in down position.

The waste water from shower and sink drains does not go into the septic tank.

### OGDEN WATER PURIFIER

If your coach is equipped with a water purifier it will be located to the left in back of the kitchen sink. This purifier is designed to remove harmful bacteria, odor, and impurities from your drinking water.

The replacement packs are available direct from Western Ogden Purifier Co. at 7906 Santa Monica Blvd., Hollywood 46, California or from the Avion Coach Corporation.

The filter should be changed when the water begins to run slowly from the filter unit.

This replacement pack is #SM 1 and is for the AL water purifier. Instructions for changing the pack will be in each replacement pack box.