

6621046

AVION TRAVEL TRAILER

OPERATION AND SERVICE MANUAL

THIS BOOKLET CONTAINS YOUR AVION GUARANTEE
(INSIDE OF FRONT COVER)



KEEP THIS BOOK WITH YOUR AVION AT ALL TIMES

AVION COACH CORP. 1300 E. EMPIRE AVE., BENTON HARBOR, MICHIGAN
39661 ESPLANADE AVE., SAN JACINTO, CALIFORNIA

*Phone
4927
2271*

AVION COACH LIFETIME GUARANTEE

Avion Coach Corporation agrees to repair free of charge any defect in material or workmanship directly chargeable to any neglect on the part of Avion Coach Corporation.

This guarantee is issued and applies to Avion Coach Serial No. **6621046** and to the original owner of said coach.

This guarantee does not cover brakes, axle, toilet, stove, refrigerator, air conditioner, water heater, tires, space heater, air compressor, cordless clock, or exterior coating. Most of this equipment is covered by a warranty of its manufacturer.

All repairs to be made by Avion Coach Corporation will be made at the Avion Service Corporation, 1500 E. Empire Ave., Benton Harbor, Michigan 49022, or the Avion factory at 39661 Esplanade Ave., San Jacinto, California 92883. Appointments for such work must be made in advance. Owners must arrange for delivery to and from factory at his own expense.

This guarantee does not cover damage caused by collision, negligence, act of God, riots or improper use.

Avion Coach Corporation will not pay for service obtained outside the above named service locations.

For service under the terms of the warranty for the various appliances or equipment in your Avion it is necessary that you contact an authorized service company of the appliance or equipment involved.

A list of these authorized service companies is provided for your convenience at the back of this booklet.

Refer to your serial number whenever calling or writing for service information.

Dealer's Name

Original Owner's Name

Date

GENERAL PROCEDURE FOR "HOOKING-UP" BEFORE A TRIP

Phone
1-927-
2271
1576 E. Empire
Ave
134

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. Radios, TV sets, 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, TV sets, 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 if your trailer does not have a pressure 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 inside.

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. DO NOT use jacks to level the trailer. Level the trailer by driving up on boards or backing into holes. Then and only then use stabilizer jacks to stabilize the coach.

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 eyelets back of the latch. Jack up the front of the coach 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 manufacturer's instructions.

8. Check brakes and lights.

9. 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

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.

You must produce a defective tire for inspection if you expect to get an adjustment from your Armstrong or Firestone distributor. Do not throw away a defective tire until such inspection has been made. The Avion Service Corporation is authorized to adjust tires.

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, it will scrape the pavement when you enter or leave a gas station or similar entrances.

IMPORTANT INSTRUCTIONS FOR WINTERIZING YOUR AVION

1. Level the coach.
2. Open the petcock on the inlet faucet outside of coach.
3. Open all faucets on the inside of the coach and remove filler cap from the water tank.
4. Open the valve in the line from the water heater through the floor of the trailer to drain the water heater tank.
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. If your coach is equipped with a septic tank, open the septic tank valve. Fill the toilet bowl and release with foot lever.
7. Work the foot pedal of the toilet up and down several times.
8. Open wash basin faucet and drain water out of the shower spray hose by raising it above the faucet.
9. Raise the front end of the trailer as high as it will go by cranking the jack all the way up and allow water to drain. Then crank jack to lowest position and allow water to drain. Return to level position.
10. Use suction pump to remove water from traps or pour about one (1) cup of permanent type 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 where discoloration may take place. (Caution: Do not use alcohol base anti-freeze.)
11. If your trailer is equipped with a purifier, remove the cartridge and place in heated area until spring.

12. 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.
13. 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. If not removed, chloride might cause discoloration.

The use of a mild soap or detergent will aid in the removal of road film. Never use a strong alkali or abrasive.

The sealer for all exterior seams of your Avion carries the brand name of Ten-X (mfg. by Electro Cote Company, Minneapolis, Minnesota) and can be purchased from most trailer dealers and automotive supply stores.

Exterior seams should be examined periodically for holes or shrinkage of the sealer caused from long exposure to the elements.

TRAILER INTERIOR

The paint used on the interior walls of your Avion is of a high industrial grade and can be cleaned occasionally with a mild soap or detergent and warm water. Mild soap or detergent may also be used to clean the bathtub and rear sink (do not use abrasive cleaner).

TIRES

Your Avion is equipped with Firestone nylon truck tires. (Armstrong on 27' single axle.) They 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, take the defective tire to the distributor and he will make an adjustment according to the terms and conditions of the tire guarantee.

RADIANT SPACE HEATER

Your Avion is equipped with a space heater and 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.

Coleman Company, Inc., Mobile Home Division, is located at 250 North St., Francis Avenue, Wichita 1, Kansas. The 19' Coach will contain a Duo Therm space heater. For service contact Motor Wheel Corporation, La Grange, Indiana.

WATER HEATERS

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

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 gas water heater, it will be located on the left side of the trailer. 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) winged 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. For service of an electric water heater contact Tradon Engineering, Marshall, Michigan.

MARINE STOOL

Your coach is equipped with a Mansfield marine stool; parts may be obtained by writing to: Bristol Trailer Plumbing, Inc., Bristol, Indiana. Phone THornwall 1-4715 or THornwall 1-2765.

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 rear) 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 and the valve on the supply.

the valve 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.

R A N G E S

Your coach is equipped with a Magic Chef 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 Magic Chef Range, contact Magic Chef, Inc., Pan-Pacific Division, 2053 E. 38th St., Los Angeles 58, Calif., 233-8251 or Magic Chef, Inc., US 20 W and County Rd. 3, Elkhart, Indiana, Phone CO 4-5472, or Magic Chef, Inc., Cleveland, Tenn.

REFRIGERATORS

MARVEL ELECTRIC REFRIGERATOR

There is a warranty card in the refrigerator which should be filled out and mailed. You will also find a Use and Service Manual in the refrigerator for your convenience.

For service of the Marvel refrigerator, contact Marvel Industries, Sturgis, Michigan, or Franklin, Kentucky.

GAS-ELECTRIC REFRIGERATOR

If your coach is equipped with a gas refrigerator you will find the lighting instructions in the crisper tray.

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 normal during hot weather.

If your Avion is used when the outside temperature is below freezing, the exterior louvered door should be covered. This can be done with an ordinary piece of cardboard. Open louvered door, fit cardboard on inside of door and then close door. (CAUTION: Be sure to remove this cover when using refrigerator in warm 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 sufficient heat to operate the refrigerating unit properly. When your gas tank is going empty, the gas will burn with a smell similar to a gas leak. Change tanks and refill.

For service of your Norcold refrigerator contact either Norcold, Inc., 16200 S. Maple Avenue, P.O.Box 250, Gardena, California, Phone FAculity 1-9300 or Florence Dist. Co., 2900 W. Mishawaka Road, Elkhart, Indiana, Phone JAcKson 3-4510. For service of a Dometic refrigerator contact InstaMatic Corporation, 530 McDonald Street, Elkhart, Indiana. Phone Area 219, JA 2-1607.

WASTE HOLDING TANK

If your trailer is equipped with Avion fiberglass sewage waste storage tank, please follow these recommendations:

To retain waste (from toilet only) close the holding tank valve. This valve is located outside, at the sewer outlet at the left rear of the trailer. It is operated as follows: to close the valve push the small knob in as far as it will go, lock two small retaining rings to knob. The valve is now in a closed position. Reverse this operation to open valve.

Only 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 a 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 holding tank.

WATER PURIFIER

If your coach is equipped with an Ogden water purifier, it will be located to the left in back of the kitchen sink, or under the sink. This purifier is designed to remove harmful bacteria, odor, and impurities from your drinking water. The filter should be changed when the water begins to run slowly from the filter unit.

The replacement packs #SM1 are available direct from Western Ogden Purifier Co., at 7906 Santa Monica Blvd., Hollywood 46, California, or from the Avion Service Corporation.

Filter packs should be removed when winterizing the trailer.

12 VOLT SYSTEM

Your Avion is equipped with a 12-volt battery lighting system. All lights and exhaust fans are operated from a 12-volt battery mounted in a battery case outside, below the front window. When connected as recommended this battery will be charged by your automobile generator when traveling. The trailer also contains a fully automatic 110-volt to 12-volt converter and battery charger which will, when trailer is connected to 110-volt power supply, provide power to run all lights and fans and charge the battery. When operating light or other equipment from the battery only, care should be taken so as to preserve the battery power.

If you should experience power failure while connected to 110-volt supply, check the breaker panel in bathroom closet to make sure all breakers are in the "on" position. If, after resetting the breakers, you still do not have lights, disconnect the 110-volt unit located under sofa or dinette on the right side of coach. If, when blown fuse is replaced and power is plugged in, you still have no lights, refer to the service instructions for the unit supplied in the package with your service manual.

For additional information contact Newmark Products, Inc., 13424 Excelsior Drive, Newark, California (90650).

AIR CONDITIONER

If your coach is equipped with an air conditioner it can be operated as follows:

1. Set temperature dial to desired temperature.
2. Place toggle switch in the "on" position.
3. To shut off air conditioner, place toggle switch in the "off" position.
4. To have air circulation without cooling, set temperature dial to warmest setting and place toggle switch in the "on" position.

Clean or replace filter periodically. Filter may be cleaned in warm suds water. Let filter dry before placing it in air box. Low voltage caused by overloading of a circuit or by too small and too long a cord will prevent the unit from cooling properly even though the fan will continue to run.

For service of your Duo-Therm air conditioner contact Duo-Therm Division, Motor Wheel Corporation, LaGrange, Indiana

Your coach is equipped with Kelsey-Hayes Brakes (unless hydraulic). All brakes are 12 volt. A brake service-data booklet is placed in the back of this booklet for your convenience. Contact an authorized service center to insure service under the terms of the Kelsey-Hayes Warranty.

If your coach has hydraulic brakes, they will be Stromberg hydraulic brakes. For service on the Stromberg hydraulic brakes contact the Stromberg Hydraulic Brake and Coupling Co., at 5453 Northwest Highway, Chicago 30, Illinois. The telephone number of this company is NEwcastle 1-7712.

12 VOLT AIR COMPRESSOR

If your coach is equipped with an air compressor for the water system it will be located in front at one end of the water tank.

This compressor will keep the pressure in your water supply tank between 20 and 40 lbs. An on-off switch and fuse will be located above the water tank at the front of the coach. You may conserve your battery by turning on the compressor with the switch and turning off when the compressor has run a few minutes. Three or four lbs. of pressure is sufficient to circulate the water through your system.

For service information on Grover air compressor contact Grover Products Co., 1233 South Hope Street, Los Angeles 15, California. Phone RIchmond 9-7633.

For service information on Buell #3614-2 12 volt air compressor contact Buell Mfg. Company, 8125 West 47th Street, Lyons, Illinois. Phone HI 7-6320.

AVION SERVICE AND REPAIR

The Avion Coach Corporation has no authorized service centers other than the Avion Service Corporation in Benton Harbor, Michigan, and the Avion Plant in San Jacinto, California.

These service centers operate on an appointment basis only.

Our service and repairs pertain mostly to the trailer proper. Most service and parts for the major appliances must be obtained from one of their respective manufacturers or authorized service centers.

For a service or repair appointment call or write:

Avion Service Corporation
1500 E. Empire Avenue
Benton Harbor, Michigan 49022
Phone 927-2271

Avion Coach Corporation
39661 Esplanade Avenue Box 457
San Jacinto, California 92383
Phone 654-3711 or 654-3712