

1965 AIRSTREAM OWNERS MANUAL

Warranties



**A GUIDE TO
HAPPY TRAILERING
IN YOUR 1965 MODEL AIRSTREAM**

THIS
MANUAL
HAS BEEN
ESPECIALLY
ASSEMBLED FOR



AIRSTREAM TRAILER SERIAL NUMBER:

DELIVERED:

MODEL: 1965 CARAVEL 17 FT.

DIMENSIONS:

OVERALL LENGTH _____ 17'3"

OVERALL WIDTH _____ 84"

OVERALL HEIGHT _____ 99"

WEIGHT: 2250 LBS.

HITCH WEIGHT: 250 LBS.

SPECIFICATIONS SUBJECT TO CHANGE

If and when new materials and production techniques are developed which can improve the quality of its product, Airstream, Inc., reserves the right to make changes in the specifications printed herein.

SPECIFICATIONS:

BRAKES _____ 1 SET, KELSEY-HAYES, ELECTRIC

WHEELS _____ 2, 15"

TIRES _____ 2, 6:70 x 15, 6-PLY WHITE SIDEWALLS

BRAKE CONTROL _____ 1, 12-VOLT, KELSEY-HAYES

HITCH BALL _____ 1, 2" MARVEL

FLOOR PLAN:

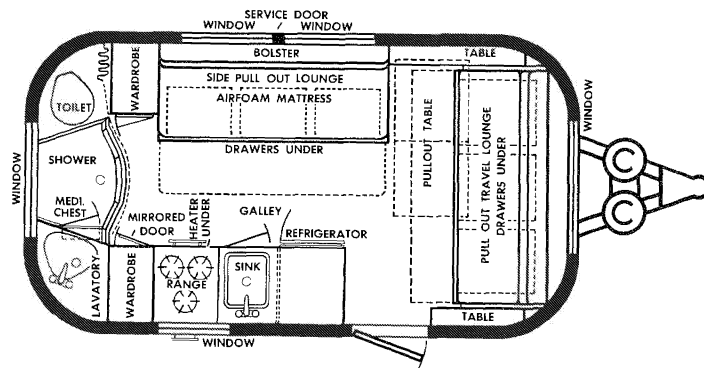


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oreword

When you took delivery on your new Airstream, the dealer explained to you the operation of all of the appliances and systems in your trailer, and gave you some tips on getting more fun out of travel trailering. This Manual will serve two purposes: It has tips on travel trailering drawn from the experiences of tens of thousands of people like you . . . who have taken their Airstreams into every corner of the earth. In addition, it contains operating and maintenance instructions which you will want to refer to from time to time to supplement the instructions your dealer gave you.

Should you trade or sell your trailer, be sure to pass this Manual along to the new owner; when you've read it through, you'll know how valuable it can be in getting better acquainted with the Airstream.

When you bought your Airstream you not only received the finest travel trailer ever built, you entered a new way of life . . . a way of life filled with new friends and adventures to come. Those who travel the byways of the world in their Airstreams are called Caravanners and they never say "Goodbye," they simply say "We'll be seeing you on the road."

FACTORY SERVICE

Airstream's policy has always been to provide the highest degree of service for Airstream owners. To this end Airstream originated the lifetime guarantee in the travel trailer industry.

Your Airstream had a facsimile copy of the Airstream Lifetime Warranty posted in it when it left the factory. Upon your taking delivery the dealer should sign the return postcard in the place designated and mail it to the factory for proper registration of your warranty. The facsimile copy is for you to read so that you will understand the exact coverage of the warranty. As soon as the postcard is received, the permanent registered copy of the Warranty for your trailer will be sent to you.

If, and when, the occasion arises that you require service on your trailer, we suggest that you first contact your dealer. If the service is minor, or simply involves an adjustment, he will perform the service. Service and repair depots are listed under the various appliance sections of this catalog, which will provide service under their respective warranties.

If it is inconvenient for you to contact your franchised Airstream dealer, or if the service required is major, communicate directly with the Service Manager of the Airstream factory nearest you. If the service required is of an emergency nature, either Service Manager can be reached by telephone.

Service Manager

Airstream, Inc.

12804 E. Firestone Boulevard

Santa Fe Springs, California 90670

213-868-1751

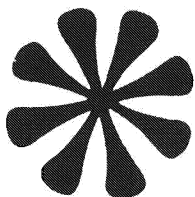
or

Service Manager

Airstream, Inc.

Jackson Center, Ohio 45334

513 - 596-6120



Of course, each Airstream plant maintains a very complete Service Department to take care of your major service needs. But in order to service our customers most expeditiously, it is necessary that these service departments be operated on a scheduled appointment basis. Please communicate with either of the Service Managers when you intend to visit the factory for service and request an appointment. It is beneficial, also, to advise the Service Managers when you are unable to meet the appointment date.

WALLY BYAM CARAVANS AND CARAVAN CLUBS

You are now an Airstream owner. The magic doors to fun, friendship and adventure are wide open to you . . . and the rich rewards are endless. You are now eligible to take part in all Wally Byam Caravans and Airstream Rallies. There are two company-sponsored rallies held annually where all Airstream owners are welcomed: one in the West and one in the East, and folks look forward to them with eager anticipation year after year.

As an Airstream owner, you are also eligible to make application for membership into the Wally Byam Caravan Club, the largest and most influential travel trailer club in the world. There are WBCC units throughout the United States and Canada. All operate autonomously, electing their own officers and setting their own dues. All new members are required to join through a local unit. Your Airstream dealer, or National Headquarters, 822 Niles Street, Bakersfield, California, has a current directory of all local units and will be able to assist you in contacting your nearest unit. The local secretary will give you information on membership, dues, and other details.

Some units get together for monthly Rallies while some have weekly Dutch-treat dinners in addition to their regular Rallies. In areas where weather does not permit year-around Rallies, the dinner meetings are very popular. They give members a wonderful opportunity to keep in touch and to plan Rallies for the more seasonable times of the year. In 1964 there were more than 500 scheduled rallies and dinner meetings. Officers, from International down to the unit level, are elected annually.

The first Wally Byam Caravan was in 1951. Since then there have been 39 Caravans to most parts of the world. The annual Caravans to Canada and Mexico have become so popular, that in recent years we have often conducted two Caravans a year to these neighboring countries.

Traveling with a Wally Byam Caravan teaches you how to travel in a foreign country as well as how to get the most enjoyment out of your Airstream. You travel with both, old and new Airstream owners; sharing experiences, learning from one another and enjoying a new kind of fellowship. On the Caravans and in the Club, you will make life-long friends — friends who become closer and dearer to you than many you have known all your life. As Wally used to say: "You will never be alone or lonely."

Traveling with the Caravan offers many advantages; the security of group travel, recognition, and unusual opportunities to see special places and meet special people.

Many of these opportunities which would never be possible for individuals, are routine for the Caravan. The blue beret, the badge of Airstream ownership and identification for a Wally Byam Caravanner, is an open sesame to excitement and adventure.

Several months before a Caravan rolls, it is announced in the CARAVANNER, the company's monthly publication. A registration coupon is printed for your convenience, and everyone who registers receives a detailed bulletin telling about that particular Caravan, what to bring along, and how to prepare for it. When going to Mexico and Central America, such matters as insurance, tourist cards and other details connected with border crossings are all handled for you. When you go on a high adventure Caravan, such as one to Europe, Africa, or around the world, all details are also taken care of for you. About all you have to do is get your passport and take your shots. Those are two items we can't do for you — or we would!

On every Wally Byam Caravan, the route is carefully planned and arrangements are made for parking, entertainment, tours, etc., long before the Caravan ever leaves. A day-by-day itinerary is planned and a copy indicating the mail stops is given to all Caravanners in advance.

Although Airstream provides a Caravan team consisting of a leader, recreation director, scout and emergency service representative, the Caravan is actually run by committees made up of the Caravan members themselves. The Wally Byam Caravans are a family affair. Everyone participates and becomes a part of the great Airstream family. Each is an unforgettable experience.

Only Wally Byam Caravanners and WBCC members are eligible for the official Caravan numbers, and for listing in the annual directory. The Club members receive their number from the Headquarters Office. The Caravanners who are not Club members receive their numbers at the rendezvous point before the caravan leaves.

The annual directory lists all WBCC members and Wally Byam Caravanners including names of those

who have parking space available at home for fellow Airstream owners. It's really wonderful to be able to pull into the yard of a friend (even if you have never met) rather than have to hunt for a trailer park. The directory also lists a schedule of all major rallies for the year, all WBCC officers, those with Citizen Band radios, the WBCC Amateur Radio Club (hams) and a list of Wally Byam Caravans.

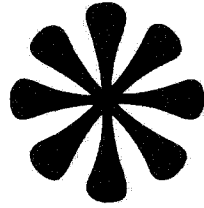
Since 1958 there have been annual WBCC International Rallies held toward the end of June and the first week of July every year. Wally's birthday was July 4, and the first Rally was in the form of a huge birthday party for him, patterned after the international Rallies in Europe which he loved to attend. Until 1956, when the first Wally Byam Caravan attended the rally in Perpignon, France, Wally and Stella had been the only Americans present. Everyone had such a good time at this first big get-together held in the beautiful Ozarks that the club decided to make it an annual affair. Since then International Rallies have grown tremendously in size and scope. The 1964 International Rally near Princeton, N.J. brought together more than 2000 Airstreams and some 7000 happy people. The site of the International Rally for the summer is announced in an early fall issue of the CARAVANNER.

In all our Caravan and Club activities, the program is planned for all ages — from babes in arms to those in their nineties — but you would never guess that anyone was in that 90-year bracket.

Within the WBCC are square dance clubs, past presidents clubs, Citizen Band radio clubs, the ARCs (hams), special study groups, hiking and bird-watching groups, avid fishermen and boating enthusiasts.

Along with the fun, our Airstream owners recognize the need for better legislation regarding travel trailers; more overnight parking places, more sanitary stations for emptying waste-holding tanks, etc. They're also quite alert to bills adverse to travel trailers. In this field, the WBCC has a strong National Legislative Committee, and we are justly proud of their accomplishments.

When you bought your Airstream, you not only bought the prestige travel trailer in America, but truly a whole new way of life. Enjoy it! Many new friends are waiting to be made . . . new interests are waiting to be found . . . new adventures are waiting to be discovered. We're happy to welcome you into our Airstream family.



**TRAILERING
IN YOUR
AIRSTREAM**

GETTING ACQUAINTED WITH YOUR AIRSTREAM

The first thing you should do in order to get the most carefree fun from your Airstream is to get to know it thoroughly. Figures 1-A and 1-B show its exterior appointments.

There are as many accessories and appliances for your Airstream as there are for any home. Your Airstream dealer will be able to help you select those accessories you will need, depending on where you wish to travel and for how long.

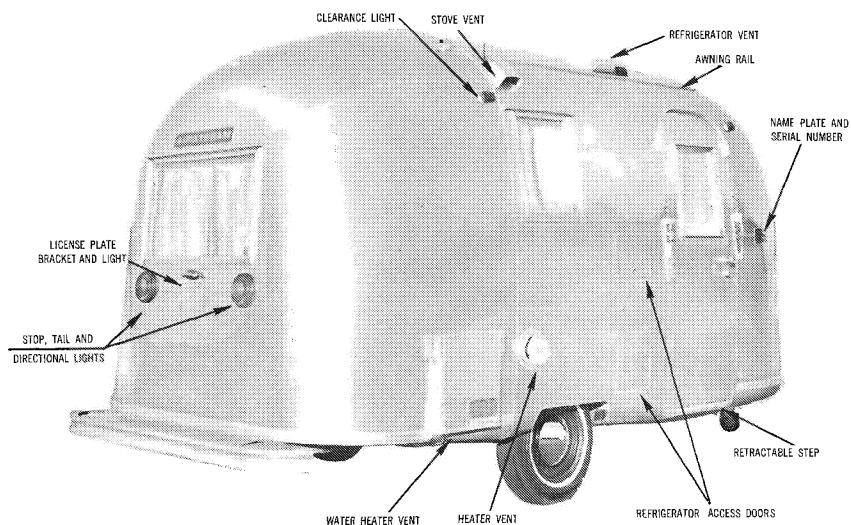
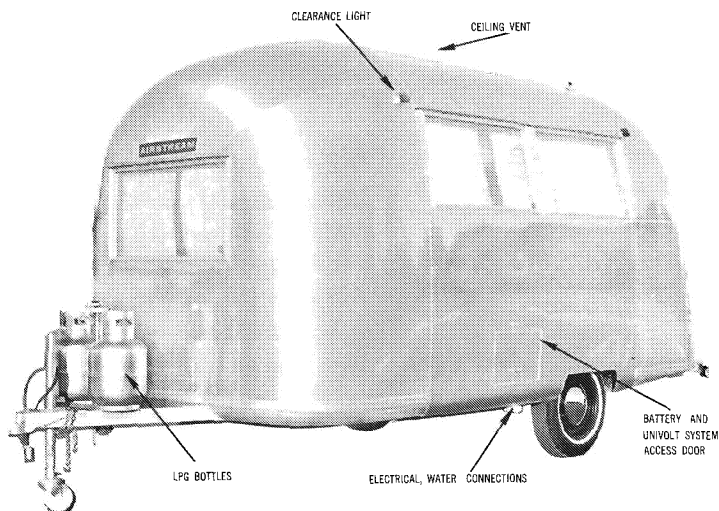


FIGURE 1-A

FIGURE 1-B



Roof lockers are equipped with hidden catches, and continuous hinges on the doors. To open the locker, squeeze the latch; to close, just shut the door firmly — the latch will engage by itself. (Figure 1-C)

All drawers and shelves in storage areas are removable, allowing you greater flexibility in arranging the storage of your possessions to

your own particular liking.

Your screen door screen is made of plastic for longer wear and ease of maintenance. It can be easily cleaned with a damp cloth, and of course it can not rust. However — while it will not burn — contact with fire, such as a lighted cigarette, will cause it to melt at the point of such contact.

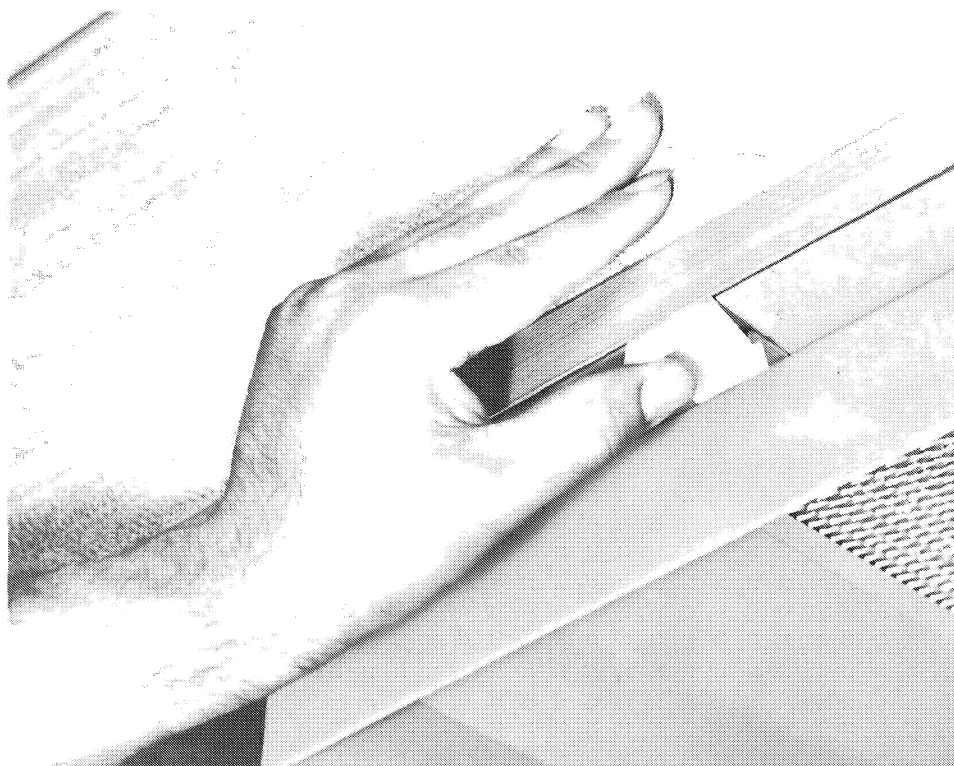


FIGURE 1-C

RADIO AND TELEVISION

Since the aircraft-type aluminum construction of your Airstream makes an almost perfect radio “shield” you will need outside antennas for good reception of either radio or television.

To install a television or radio antenna, it is recommended that you go to your Airstream dealer, since the antenna must be structurally mounted to the outside skin of your trailer. Your dealer will recommend the best folding-type television antenna for your trailer. Any Wally Byam Store will also help you with this.

A police-type whip radio antenna is recommended particularly for 12-volt transistor radio use. This should

be installed on the front of your trailer and should have suitable clips for holding it against the body while traveling.

AIR CONDITIONING

The Airstream Bay Breeze air conditioner is specially designed to keep your trailer cool and comfortable in the hottest weather. Since the Bay Breeze requires certain modifications in your trailer, it should only be installed by one of the many Airstream dealers who are equipped for this type of service or at one of the two Airstream factories.

CHAPTER 2

GETTING READY FOR THE ROAD

YOUR CAR

Since your Airstream is designed and built for easy towing, almost any car has enough power and weight to tow it under level, dry conditions. However, experience has proved that a heavier car is advisable for towing the larger units (26-foot and up) under difficult weather conditions and on hills. A heavier car will also help you maintain complete control on slippery downgrades.

WEIGHT-TO-HORSEPOWER RATIO

From the experience of thousands of trailer travellers, Airstream engineers have developed a "weight-to-horsepower" ratio to serve as a guide for matching tow cars to Airstreams. To obtain this ratio, add the weight of the trailer to the advertised weight of the automobile and divide by the advertised horsepower of the automobile.

Example: To determine the weight-to-horsepower ratio for a 250 horsepower Ford sedan weighing 3829 pounds and a 26-foot Airstream weighing 3950 pounds, the formula would read:

$$\frac{3950 + 3829}{250} = 31.12 \text{ pounds per horsepower}$$

Experience has shown that the practical upper limit for most road conditions is 60 pounds per horsepower. Anything in the range of 30-40 pounds per horsepower is very adequately powered with any lower ratio being a "hot rod."

Another guide for matching the tow car to your Airstream is to have the car and trailer weights nearly the same. Your Airstream will tow easier if it is not markedly heavier than the tow car. Of course, if your car is heavier than the Airstream so much the better.

The auto transmission can be manual or automatic as you prefer. Automatic transmissions are recommended by the automobile manufacturers because they do a better job of controlling engine loads than the average driver can with a manual shift. The automatic will prolong your car's engine life.

The hitch is an all-important item. Your dealer will advise you on the best make for your particular car, but in all cases be certain that a frame-mounted hitch is used. A leveling type hitch (there are several makes on the market) allows the weight of the trailer hitch

to be evenly distributed over all four wheels of the car. It provides, in addition, a certain amount of anti-sway protection. Installation of the hitch is crucial and should be attempted only by a competent man who is thoroughly familiar with structural welding. Your dealer should either make the installation for you, or will supervise and inspect it. When installed, the top of the hitch ball should be approximately ~~19"~~ ^{21 1/2"} from the ground, (17" for the Caravel), with the car level and not attached to the trailer. If this dimension is maintained the car and trailer will be level.

THE ELECTRICAL CONNECTIONS

A seven-conductor auto cord wiring system is used to connect your Airstream to your car. Through a single, locking, polarized connector your trailer battery will be charged, its brakes will be operated and the running and signal lights will be activated simultaneously with those on your car. Figure 2-A is a diagram of the connector used on your trailer.

Your Airstream is equipped with Kelsey-Hayes two-shoe adjustable brakes . . . the finest trailer brakes available. To insure proper operation your car should be equipped with a genuine Kelsey-Hayes controller and resistor. Your Airstream dealer will either make the installation, or supervise and road test it for you. If you have any other controller already on your car, have it removed, and have the Kelsey-Hayes controller which came with your Airstream installed.

ACCESSORIES FOR YOUR CAR

A truck or trailer type rear view mirror is required by law in most states. This is to allow you to see out past the trailer. Several good makes are available from your dealer. A right-side rear view mirror is also highly recommended.

If your car has an automatic transmission and you intend to travel through mountainous country, you may wish to have a transmission oil radiator such as the Hayden Trans-Cooler installed to help your engine and transmission to run cooler and prevent possible damage. This is available through your Airstream dealer.

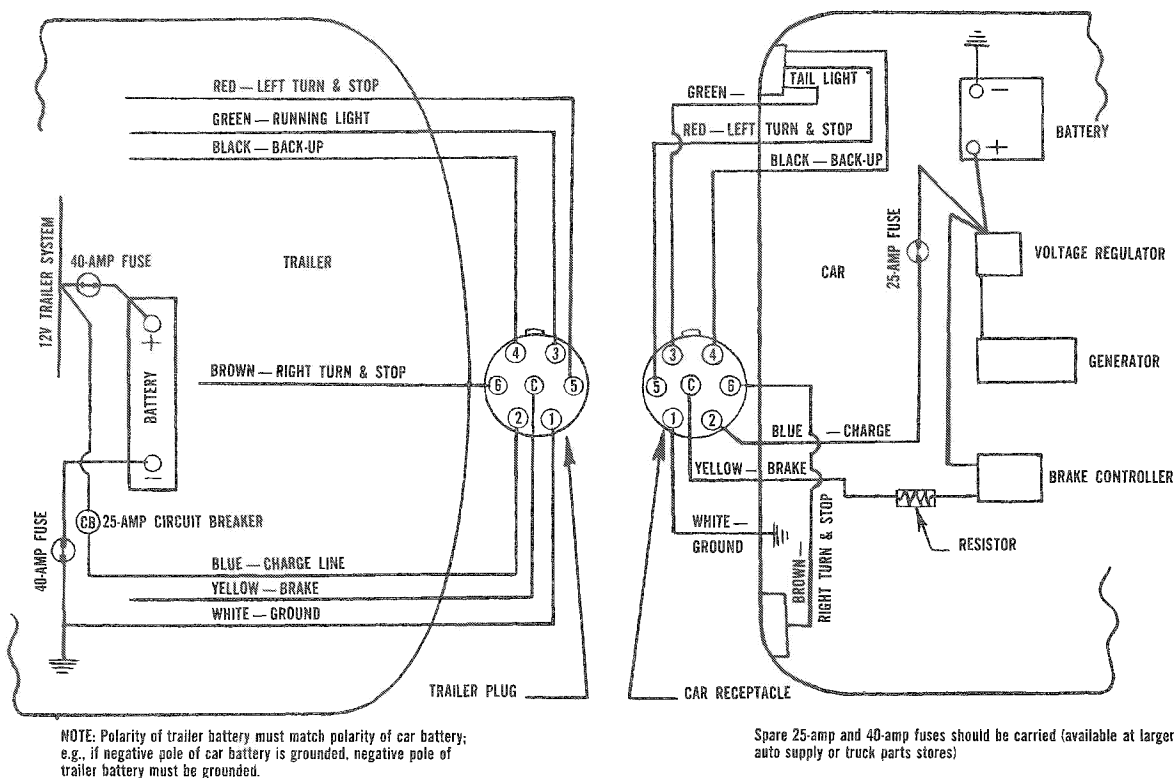


FIGURE 2-A

OUTFITTING YOUR TRAILER

Outfitting your Airstream, that is converting the bare vehicle you bought from the dealer into a comfortable home, is very similar to outfitting any home or apartment. Your Airstream is completely furnished, but there are many little personal touches you will want to add. Since your Airstream will be subject to the vibration and bumps of the road, anything that is attached should be done so firmly. A small hand drill should be used to drill holes in the aluminum inner walls and one-half inch No. 8 sheet metal screws, with flat binder heads, used to attach such things as hooks for clothing, book shelves, extra towel racks . . . those little accessories you "can't do without." Note: Always check polarity light after drilling through skin to make certain you have not drilled into a wire and caused a short.

EQUIPMENT YOU SHOULD CARRY

1. A first aid kit.
2. A tool box with an assortment of small hand tools such as screw drivers, hammer, pliers, wrenches, etc.
3. A tow rope. $\frac{3}{4}$ " to 1" nylon is sufficient. At least 35 feet is recommended.
4. A lug wrench to fit your trailer wheel lugs.
5. A hydraulic jack for your trailer axle.
6. A set of stabilizing jacks.
7. A spare tire for your trailer.
8. A fire extinguisher.
9. Plastic buckets for carrying water (at least two).
10. Wheel blocks. These should be 4 blocks of wood approximately 7" square and 4" thick, slanted at one end to fit against the tire, to block the wheels when parked.
11. A hundred feet of $\frac{5}{8}$ " water hose. (A "Y" connection is useful when you travel with others since it permits two trailers to be hooked together on one faucet.
12. 1 short (4 ft.) and 1 long (10 ft.) sewer hose and a coupler.
13. A 75-foot 3-wire electric cord with a 30-amp capacity, with grounding-type 3-prong plug and receptacle.
14. A small spirit level (two will be helpful).
15. A flashlight.
16. A short handle shovel (the Army surplus G.I. type is satisfactory).

17. A pick or pry bar.
18. An axe.
19. A five gallon gasoline can.
20. A large funnel.
21. A folding chair for each person.
22. Cleaning equipment: broom, dust pan, mop bucket, mop, sponges, etc.
23. Road emergency flares.
24. Spare 25-amp and 40-amp fuses. These should be of the standard automotive or truck type available at large auto supply or truck parts stores.

In addition to the above, you will find many other accessories to make your trailering more enjoyable, available at Wally Byam Stores and your trailer dealer. As you travel you will develop your outfit to suit your particular trailering needs.

LOADING YOUR AIRSTREAM

When you took delivery of your Airstream, you received a trailer that was the result of millions of miles of road testing and towing in every clime and terrain. The center of gravity and the weight placed on your car's hitch has been precisely calculated to provide the easiest possible towing. You can maintain this easy-towing trim by following two basic rules.

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

The amount of baggage and personal gear that you take is determined by how you like to travel and where you will be traveling. However, every item that you take along is one more thing that you will have to stow before going on the road and will add just that much more weight which your car must pull. Regardless of what weight of personal belongings you take with you, always make certain that you maintain the perfect balance that has been built-in your Airstream. The loaded Airstream should have 12% to 15% of its total weight on the trailer hitch. A tongue that

is too light can cause the front end to float and the trailer to weave at higher speeds. When it is too heavy it may prove too much for your car.

Your Airstream is designed with storage space arranged in such a way that if ordinary things are put in ordinary places the weight will come out about right. If you are carrying heavier items, place them near, or just forward of, the wheels. Stow everything as low as possible to maintain your low center of gravity. Keep fragile things well forward of the axle as the front of the trailer is stabilized by the hitch, while the back will tend to bounce more.

Secure loose items left out in the open to prevent them from sliding around while you are towing your Airstream. Stack loose material such as chairs on the floor. Lash down smaller objects that are not put into a cabinet. Place heavy loose items such as can goods in drawers near the floor.

The extra care that you take while you are loading your trailer will pay off in reduced strain on your car's engine and springs. This may not be too important on super highways, but a few hundred miles of rutty country road will prove the wisdom of loading your trailer properly. As you become a more experienced trailer traveler, you will undoubtedly pick up tricks such as using aircraft shock cord to lash down radios and other objects that you don't want to put in cabinets; placing hooks in strategic places so that the shock cord can be quickly attached. When packing your cupboards remember that a partially empty cupboard will permit the contents to move about and become damaged; it is better to have one full roof locker and one empty one than two which are half-filled.

Never carry pierced containers of liquid in the refrigerator; always make certain that all containers are tightly sealed. Liquids such as milk and juices should always be transferred to plastic containers with tight fitting caps. If you must carry paper cartons, place a sheet of heavy cardboard between the carton and the wire shelf to prevent the wires from wearing through the carton.

You are now ready for travel adventure.

CHAPTER 3

TOWING YOUR AIRSTREAM

HITCHING UP

Hitching your Airstream to your car is something that will become almost second nature to you. You will develop your own technique with practice but there are a few tips, learned from experience, which will help you. The first thing to do is to jack up the trailer tongue until there is clearance for the hitch ball to slide under. Raise the locking lever on the hitch. The car now should be backed, straight back, to the hitch connection. This can be made easier by placing a strip of tape on the rear window of your car and another on the front window of your trailer. By sighting over these two strips of tape you will be able to line up the hitch with the hitch ball closely enough to make the hook-up by yourself. Of course, the job is much easier if you have the help of another person and use pre-arranged hand signals.

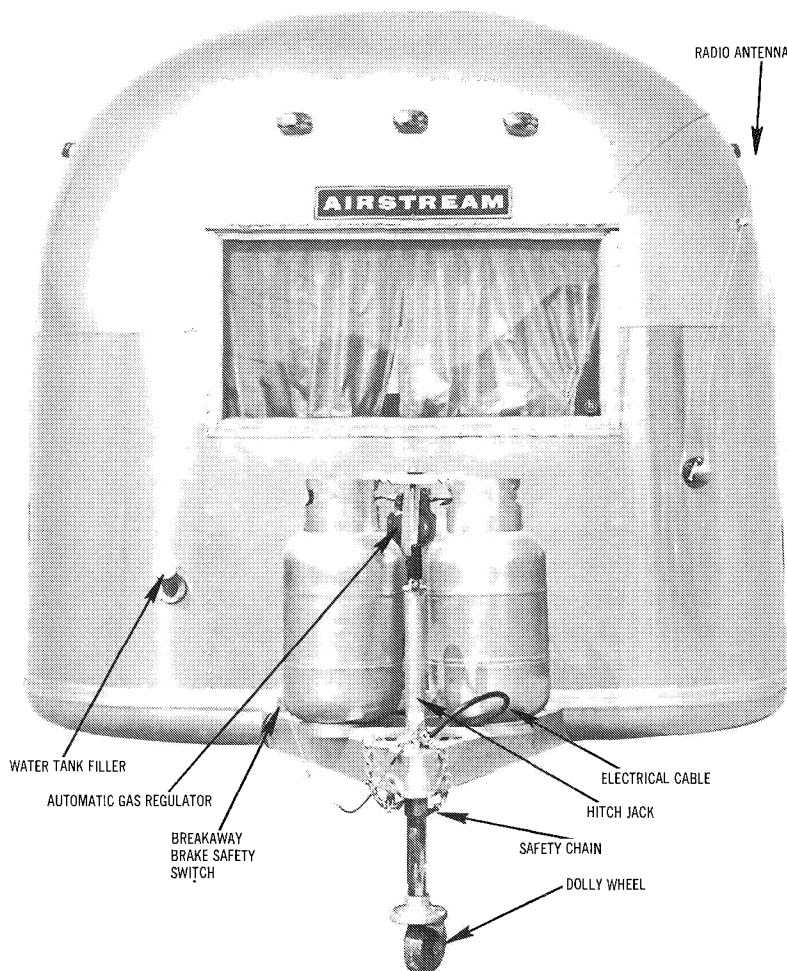
When you have lined up the ball under the hitch, screw the trailer jack down until the full weight of the trailer is on the ball. Drop the locking lever and place the safety bolt in the hole to prevent the lever from being accidentally lifted.

If you have a leveling type hitch on your car, jack up the trailer to the full height of the jack before pulling up the leveling bars. A little practice with your hitch will teach you how far to pull up the leveling bars to get the car and trailer level. *Always do this on level ground.*

Plug in the electrical light and brake connector. Check running, directional and stop lights.

Attach breakaway brake cable to car. Attach safety

FIGURE 3-A



chain to car. Note: In many states it is illegal to attach the safety chain to the hitch in front of the ball and for good reason. If there ever is an accident, the most logical failure would be at the ball. Always attach the safety chain to your car's frame or to the hitch at some other point.

Retract the hitch jack to its full height for maximum ground clearance. Remove the dolly wheel and stow it in your car's trunk or some other safe place. *Never tow your trailer with the jack down and the dolly wheel on.* The dolly wheel is not designed to be left on the jack and may fall off and become lost during travel.

Move the car ahead slowly and test the trailer brakes. Have someone verify the operation of your trailer's running and stop lights.

BACKING YOUR AIRSTREAM

Backing your Airstream is really quite simple. The important thing to remember is to do everything slowly and to correct immediately if the trailer starts turning in the wrong direction.

Concentrate on the rear of your trailer. The first thing to do is to aim it in the direction in which you wish to back.

Grasp the steering wheel of your car at the bottom and while backing as slowly as possible turn the wheel in the direction you want the rear of your trailer to go (see figure 3-B). Watch, either in your side rear view mirror or by sticking your head out the window, until the rear of your trailer is pointing in the right direction. Next, while backing slowly, turn the steering wheel slowly in the opposite direction. Your car is now following the trailer in an arc (figure 3-C). If the trailer starts to jackknife or is not turning quickly enough, slowly correct the direction with the steering wheel or stop completely, pull forward a few feet and start again. When you want to change directions while backing turn your front wheels more sharply (figure 3-D). As soon as the rear of the trailer has turned in the right direction slowly turn the steering wheel in the opposite direction (figure 3-E) and follow the rear of your trailer around the new arc (figure 3-F). To go straight back pull the trailer forward until car and trailer are in a straight line. Put the car in reverse and back slowly making small corrections with the steering wheel as necessary to keep in the straight line (figure 3-G). If the trailer gets out of line, stop, move forward a few feet and start over again.

A few hours practice in a large parking lot or on a deserted road will make you an expert in backing your Airstream.

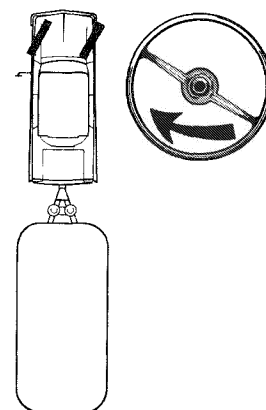


FIGURE 3-B

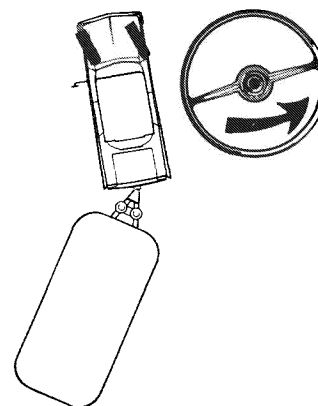


FIGURE 3-C

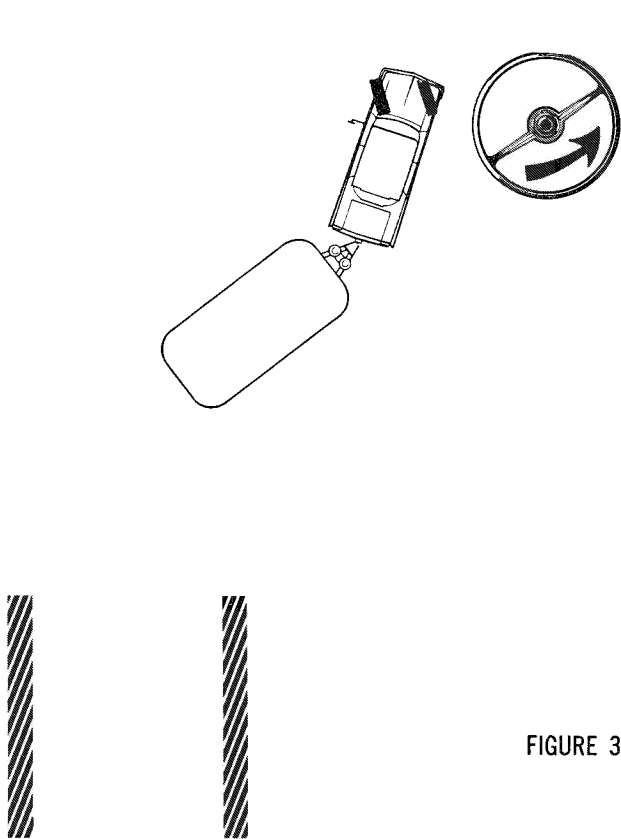


FIGURE 3-D

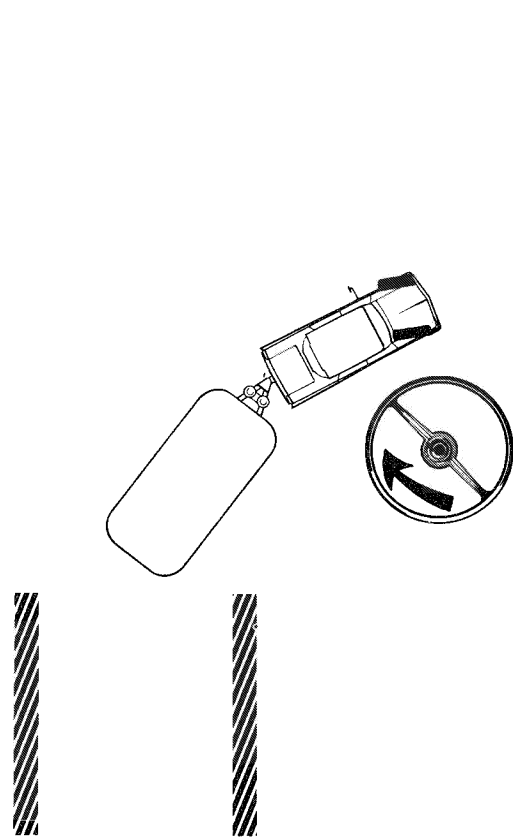


FIGURE 3-F

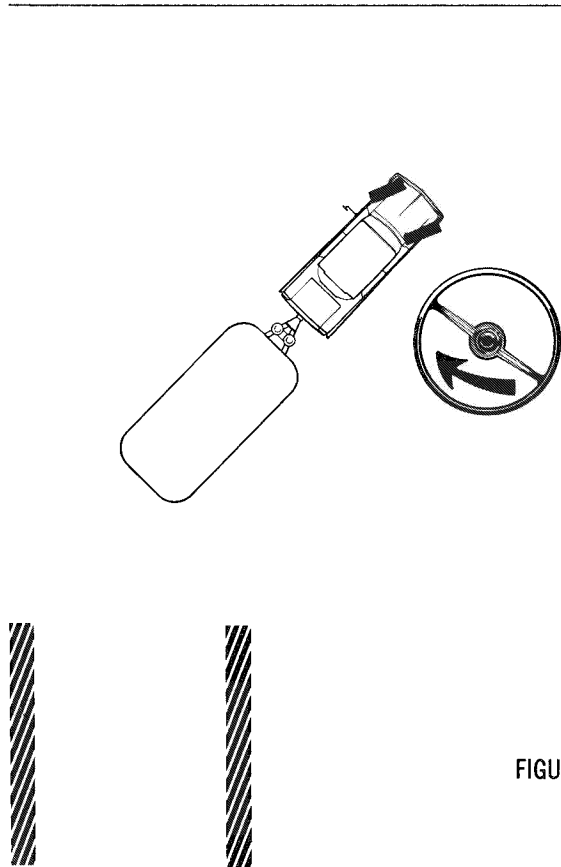


FIGURE 3-E

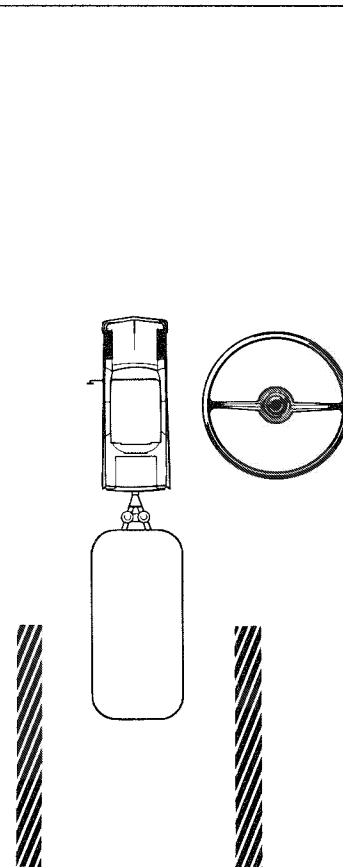


FIGURE 3-G

TIPS ON TOWING YOUR AIRSTREAM

Before you start out, always make it a practice to go through the following check-list:

1. Disconnect and stow the electrical hook-up cord.
2. Disconnect and stow sewer hook-up hose.
3. Disconnect and stow water hook-up hose.
4. Turn off gas line shut-off valve (under top of range).
5. Check clearance, tail and stop lights.
6. Remove and stow leveling jacks and wheel chocks.
7. Check hitch to make certain it is properly attached by cranking down the hitch jack until the rear bumper of the car is raised about 6 inches above normal.
8. Raise jack to full height, remove and stow dolly wheel.
9. Close windows and vents. Lock door.
10. Pull up the step.

Experienced trailer travelers make it a habit to move their rig ahead about 50 feet, stop, get out and walk back and check the ground where the trailer has been standing. This practice can save you countless dollars and annoyances from lost tools and other gear.

The key to towing any trailer is to do it smoothly. Starting and stopping slowly and smoothly saves gas, wear on your car and prevents damage to the gear stowed in your trailer. Your Airstream is designed to be towed at any legal speed that is safe for your car alone and you will find that your Airstream tows and follows your car so effortlessly you may soon forget it is behind you. Never permit yourself to do this. When you are towing the trailer you should always maintain an interval with the car in front of you of at least a car and trailer length for every 10 miles per hour of speed. This gives you ample time to stop in the event of an emergency and permits drivers behind you to pass and get back into your lane safely. Remember, when you pass another vehicle that you will require a little longer than usual to accelerate and that you must allow for the length of the trailer when returning to your lane. Try to pick the lane in which you want to travel and stay in it.

You will substantially increase your gas mileage if you can avoid unnecessary starting and stopping. Before you come to stop signals, slow down and time it so that you will not have to stop completely. Take a tip from professional drivers when rounding turns; instead

of staying at full speed and then putting on the brakes, slow down well in advance of the turn, enter it at reduced speed, then accelerate smoothly as you come out again onto the straight-away.

When going up a long grade, shift into a lower gear well in advance of when your engine labors. When going down a hill, use a lower gear, or a lower range if you have an automatic transmission, so that the compression of the car engine will help slow your whole rig.

When you are stopping on slippery pavement however, never use engine drag to help you slow down because the drag on the rear wheels may cause skidding and jackknifing. When stopping on slippery pavement, using your trailer brakes slightly in advance of your car's brakes will prevent any tendency to skid and jackknife. Chains don't do any good on trailers. When driving on icy roads take it slowly and if it feels that the car is skidding, gently apply the trailer brakes to keep the trailer and the car in a straight line.

When stopping on dry and normal pavement, applying your Airstream brakes simultaneously with your car's brakes will stop your entire rig in approximately the same distance that your car's brakes will stop your car alone. When stopping on a hill or slight grade, if leaving the car in gear is not sufficient to keep the outfit at a standstill safely, chock the wheels with a block of wood. Whenever you park your Airstream on a hill or slight grade and disconnect the car *always* block the wheels.

One of the hardest things on any trailer is the "thank you ma'am" — the sharp dip or depression in the highway such as you may encounter on cross streets where gutters continue through the intersection. This straight up-and-down thrust can very easily damage any item left loose in your trailer. Take dips and depressions slow and easy and be certain that the trailer as well as the car has passed them before resuming normal speed. If the rear end of the trailer drags bottom, it won't do any damage if you are traveling slowly.

To prevent overheating when driving in the mountains never let your car labor. Shift to a lower gear, or range if you have an automatic transmission, before it becomes absolutely necessary. Your car's ability to pull without becoming overheated is a function of the engine, your car's cooling system, the transmission, the weight of your trailer when loaded and the type of terrain over which you are traveling. A little practice will teach you your car's limits and it will pay you in time and money to stay within them to prevent the

heat damage to the engine and transmission.

When traveling through sand or mud always keep rolling; let your momentum carry the tow car and trailer through. Don't depend too much on the drive wheels. Stay in the rut of the car ahead, if possible, and keep your car in the highest possible gear. The easiest way to get a stuck outfit out of the sand or mud is by towing it out. Carry a length of rope or chain to attach to a passing car or truck for this purpose.

If you tow long distances over unimproved roads, the stones and gravel picked up by your tires and thrown

back can dent and scratch the beautiful aluminum finish of your Airstream. To prevent this, experienced trailer travelers use masking tape to secure heavy sheets of paper or plastic onto the lower front of their trailers.

Get into the habit of regularly checking the lug nuts on your tires and the tire pressure. Traveling over bumpy, rough roads can loosen lug nuts and if the wheel should come off it could cause severe damage to your Airstream. Experienced trailer travelers always check the condition of their tires, the tightness of the lug nuts and the tire pressure before "hitting the road."

CHAPTER 4

STOPPING FOR THE NIGHT

17

When you bought your Airstream you freed yourself from the tyranny of the timetable and the necessity of making reservations wherever you go. There is no end to the number and variety of interesting and convenient places where you can park your Airstream overnight, or for several days. Your Airstream is built to be safely parked on practically any spot that is relatively level and where the ground is firm. You have everything with you, self-contained, that you could ask for. Airstream owners have parked virtually every place imaginable from filling stations, to farm lands, in driveways, etc. In time you will develop a knack for spotting wonderful little roadside locations by turning off the main highway and exploring.

The North American continent is generously dotted with thousands of modern, private trailer parks that have special facilities for trailers. These generally offer considerable privacy and easy utility hook-up facilities for electricity, water and sewage . . . all at modest rates. You will find many Federal, State and Civic trailer parks that are clean, inexpensive and are located in beautifully wooded areas with convenient access to utilities.

On overnight or weekend trips the chances are that you will not use up the capacity of your sewage holding tank, deplete your water supply or rundown the battery which supplies your 12-volt current. On a longer trip, when you have stayed where sewer connections and utility hook-ups are not available, it will be necessary for you to stop from time to time to dispose of the waste in your holding tank and replenish your water supply. Many gas stations (chains and individually owned) have installed sanitary dumping stations for just this purpose.

Many trailer travelers who prefer to make their overnight stops "off the beaten path" make it a practice to stop at trailer parks every few days to replenish their water supply and dump the waste from their holding tank. (Refer to Chapter 13 in Section II for details on the operation of the waste holding tank).

In stopping for the night, unless the car is needed for

transportation, it is not necessary to unhitch. The trailer should be somewhere near level for comfort, and closer than that for good gas refrigeration during a longer stay.

Try to pick as level a parking spot as possible. Stabilizing jacks or blocks probably won't be required for an overnight stay; putting the jack pad on the hitch jack and running the hitch jack down to take the weight off the car's springs should provide enough stability. If you must park on a slope, park down-hill; it is easier to level and stabilize the Airstream this way.

All you need to do to enjoy the self-contained luxury of your Airstream is to:

1. Light the water heater, refrigerator and furnace pilots if required.
2. Turn on the gas supply at the stove and light the stove and oven pilots.
3. Throw both switches in the trunk compartment to the "Battery Power" position.

Before moving on be sure to check your campsite, both for cleanliness and to be sure you haven't left anything behind; turn off the gas supply pet cock to the stove; make sure everything is properly stowed, your hitch is tight, your electrical connection is made, you are ready for travel adventure!

Note! Several directories of trailer parks are available. Check your dealer for his recommendations. These include:

- a. Woodall's Mobile Home and Travel Trailer Park Directory (Woodall Publishing Co., 740 N. Rush St., Chicago 6, Illinois) \$2.
- b. Travel Trailer Park Guide (Mobile Home Manufacturers Association, 20 N. Wacker Drive, Chicago 6, Illinois) \$1.
- c. California Mobilehome Park Directory (Western Mobilehome Association, 5768 Pico Blvd., Los Angeles 19, Calif.) \$1.
- d. Florida Trailerite Handbook (Trailer News Publishing Co., Coral Gables, Florida) \$.60.

CHAPTER 5

PREPARING FOR AN EXTENDED STAY

Making a long trip in your Airstream is not very different from making a week-end excursion. Since everything you need is right at hand you are at home wherever you go. When packing for an extended trip take everything you need, but *only what you need*. Follow the tips in Chapter 2 on stowing your belongings.

When you plan to stay in the same place for several days, weeks or months, you will want your trailer to be as level and as steady as possible.

LEVELING

For comfort and for good refrigeration, it is very important to have your trailer as level as possible. To get it level use small spirit levels located as follows:

Two on the tongue; one in front and one in back; and one near the door (either mounted over the door or on the floor. Or . . . Two placed at a 90° right angle to each other, on the trailer floor.

Don't expect to get all bubbles in the exact center, just try to get close.

To level front-to-back:

Disconnect hitch, put jack pad on jack and screw down until you are level.

To level side-to-side:

Run the wheels on the low side up a small ramp consisting of a wedge about 3 feet long, tapered from 1" to 4-5".

Block the Wheels.

Use blocks or stabilizing jacks at all four corners to eliminate the natural spring action of the axles and give you a stable floor.

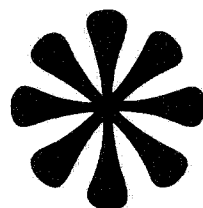
Note: When using stabilizing jacks never put a great deal of pressure on them when they are placed on the rear bumper of the trailer. Whenever the trailer must be lifted with a jack, as when changing a tire or leveling on very rough terrain, always place the jack under the main frame member which is located 15" inboard from the outside edge of the trailer and 4" to the rear of the wheel well. Lifting the trailer by the bumper may cause "canning" of the roof or back end sheets.

Hook up to the water by attaching the water hose to the city water service. (See Chapter 12 for details on operation of the water system.) Plug the electrical cable into the city power service. Be sure you have the wire grounded and have the proper polarity. (See Chapter 11 for proper procedure.)

Hook your waste drain hose into the sewer disposal facility and attach to the drain outlet in your trailer by removing the drain cap, pushing hose on and twisting until it feels secure. Open holding tank dump valve; drain and flush tank; close valve. (See Chapter 13 for details on operation of sewage system).

Turn on gas petcock under top of stove; light stove and oven pilots. Light water heater, refrigerator and furnace pilots (if out). See Chapters 6-10 for operation of LPG system and appliances.

Enjoy the good life!



**THE SELF-CONTAINED
UTILITIES
IN YOUR
AIRSTREAM**

SECTION II

**THE SELF-CONTAINED UTILITIES
IN YOUR AIRSTREAM**

There are four complete utilities systems built into your Airstream: Gas; Electricity; Water; and Sewage. These utilities permit you to cast loose the bonds of civilization and travel where you wish without sacrificing any comforts.

The next eight chapters of this Manual are devoted to instructions for operation and maintenance of the utility systems in your Airstream. If you require specialized service contact your Airstream dealer, the nearest Airstream factory or one of the factory service depots listed under the chapter on the individual appliance.

CHAPTER 7

THE RANGE AND OVEN

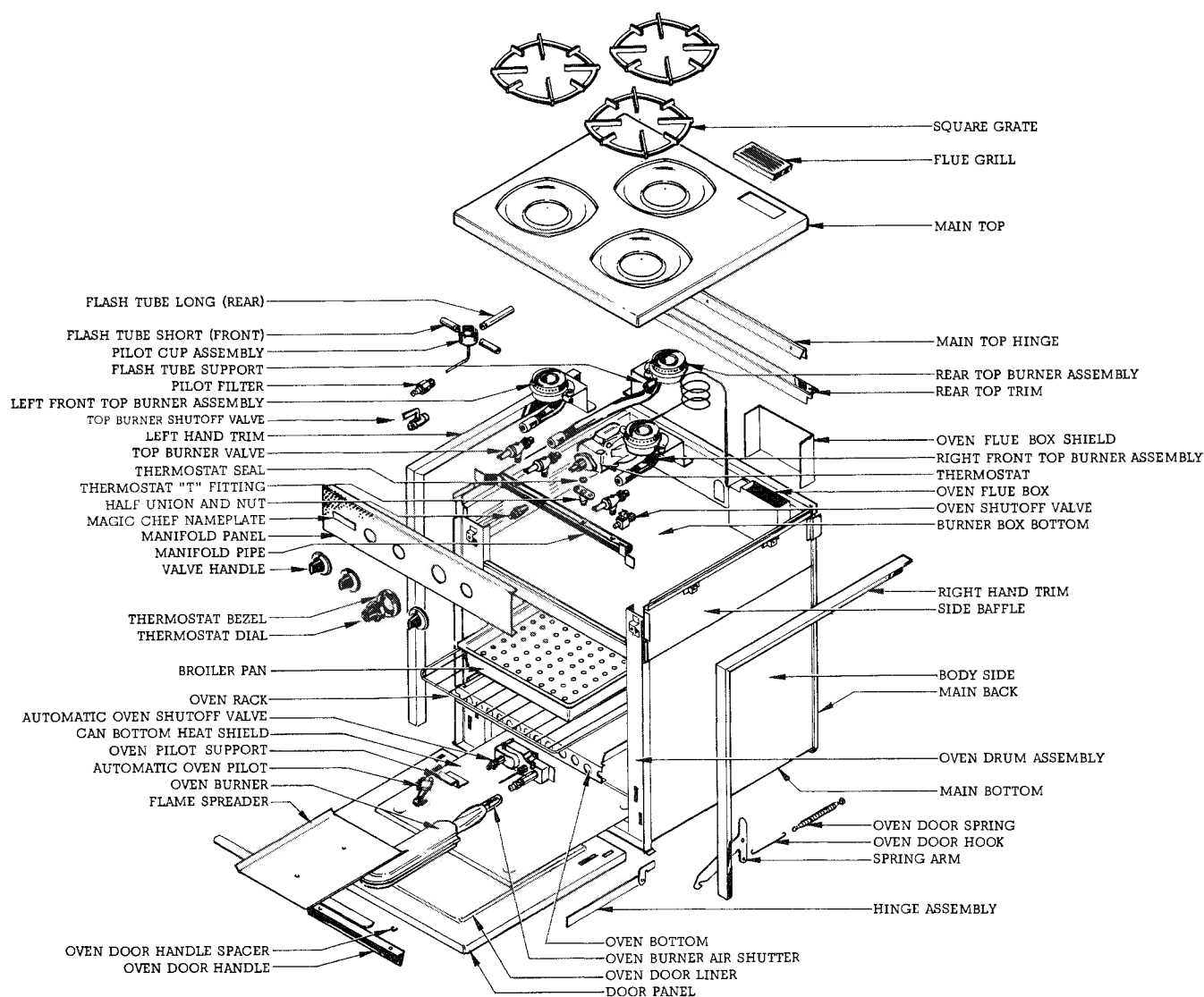


FIGURE 7-A

Your Airstream is equipped with a Magic Chef gas range and oven. Following are some hints on how to keep them operating at their best.

RANGE

1. Your range is equipped with coaxial orifices for use with LP gas. The flame will be approximately ½-inch long.
2. Air shutters on top burners are to be adjusted so

that each cone of the flame is separate and distinct and appears as illustrated in Figure 7-B. Air shutters set too far open will cause flame to lift away from burner head and will be difficult to light. If air shutters are closed too much the flame will look hazy and the distinct cones will be missing.

3. Adjust the top pilot so that the tip of the flame is just over the edge of the inner cone. The burners should light within 4 seconds. If lighting is difficult, refer to Number 2 above.

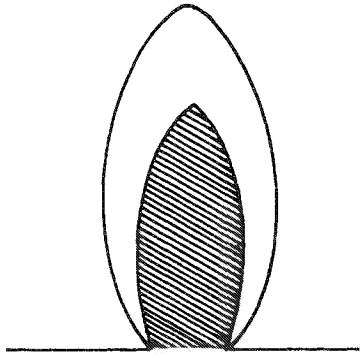


FIGURE 7-B

TROUBLE SHOOTING

Trouble — Flames “Lift Off” Ports

Cause: Too much air, gas, or both.

Remedies: Decrease air, gas, or both.

Trouble — Soot formations

Cause: Too much gas or not enough air.

Remedy: Decrease gas or increase air.

Trouble — Burner noisy when extinguished

Cause: Too much air.

Remedy: Readjust air shutter.

Trouble—Flame flashes back into air mixture chamber

Cause: Too much air in proportion to gas.

Remedy: Slightly increase gas or decrease air.

Trouble — Orange Flame

Cause: Small filings in new burners or dust in air.

Remedy: If trouble persists clean burners.

Trouble — Burner fails to light

Cause: Usually too much air.

Remedy: Decrease air.

OVEN SECTION

1. To adjust pilot: (refer to Figure 7-C)

The automatic oven burner pilot in your oven consists of two separate pilots, a small constant pilot and a larger heater pilot. The constant pilot, which should be burning at all times when parked, ignites the heater pilot in the oven burner. To adjust the burner: Open pilot valve (A), light constant pilot (B) with match and adjust pilot valve (A) by reducing flame on constant pilot (B) until yellow tip disappears.

To adjust the heater pilot turn control knob (C) to 300° on the temperature setting on the control knob dial. This will permit gas to flow through the heater pilot tube (D) to the heater pilot (E) where gas is ignited by the constant pilot (B).

Remove control knob (C) and bezel (CC) and adjust heater pilot gas supply by turning green heater pilot adjusting screw (F) on front of control valve until flame on heater pilot (E) yellows. Then close adjusting screw until yellow tip disappears. Replace bezel and control knob.

IMPORTANT: YOUR OVEN IS EQUIPPED WITH A SAFETY IGNITION THAT REQUIRES A MINIMUM OF 30 SECONDS TO OPERATE AFTER TURNING OVEN KNOB ON. THE OVEN PILOT MAY BE SLOW IN LIGHTING DUE TO AIR IN GAS LINES.

2. To adjust main burner:

Your oven is equipped with a coaxial orifice for use on LP gas. The main burner when adjusted to the proper rate will have a flame approximately $\frac{3}{8}$ -inch long. The air shutter on the main burners should be adjusted so the cone of each flame is separate and distinct. See figure 7-B.

IMPORTANT: The thermostat on your range **does not** have a by-pass setting. It will cycle off and on at all temperature settings. No by-pass adjustment is necessary.

CLEANING INSTRUCTIONS AFTER RANGE IS IN USE

1. To assist in cleaning the area around the top burners, the main top has been hinged from the back so that it can be raised. Care should be taken during the cleaning operation that you do not touch the hot pilot shield. Also, when the cleaning operation is completed, be sure that the flash tubes are back in place.

2. If top burner heads are cleaned with any cleaning compound, care should be taken to see that all ports are opened up with a toothpick to assure proper operation. It is especially important that the lighter ports on the side of the burner head are kept clear.

3. Spill overs or spotting in oven or broiler are more easily removed when done promptly after they occur. Never wash porcelain when warm. Never use cleaning powder containing grit or acid.

NOTE: If oven bottom is removed for cleaning or servicing, be sure that oven bottom is locked in place when it is put back in the range. The front return flange on the oven bottom must hook under the side support angles to prevent warpage.

NOTE: The range gas line shut off valve located under the top of the range **must** be turned off when towing the trailer, when changing the gas tanks or if the gas supply is turned off for any reason. Be absolutely sure oven pilot light has been relighted as soon as range valve is turned on.

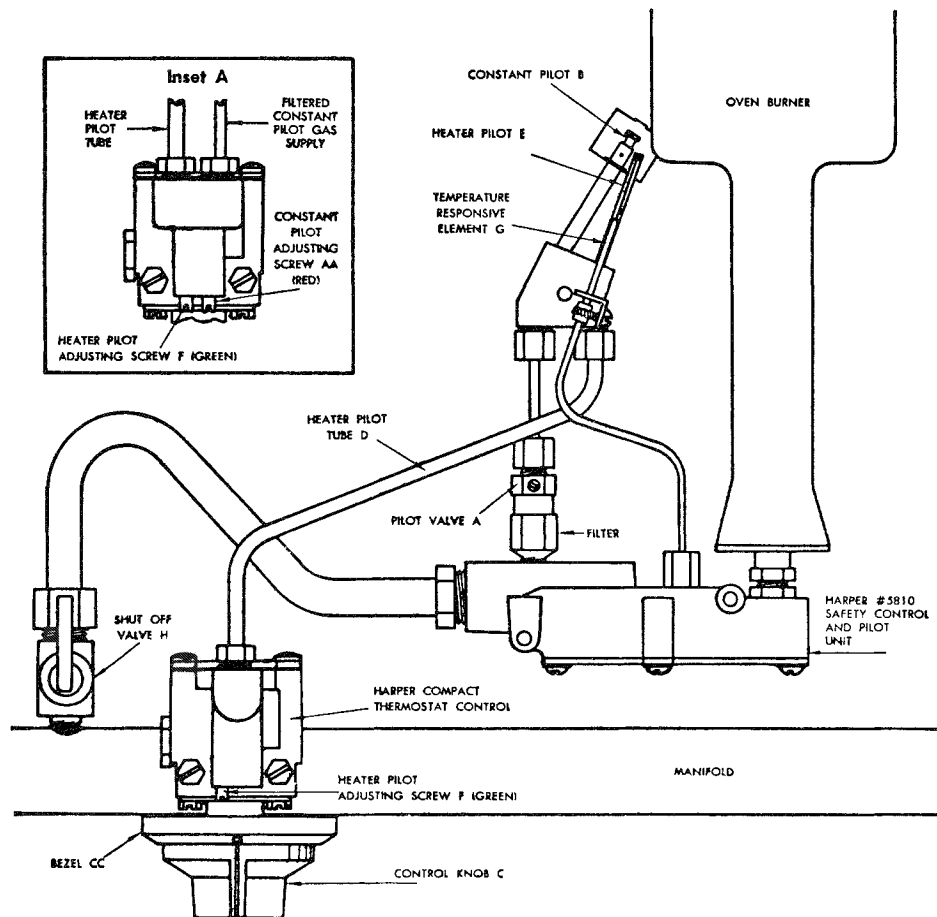


FIGURE 7-C

CHAPTER 8

THE REFRIGERATOR

Your Airstream is equipped with an A.G.A. approved Dometic gas refrigerator. This is the finest refrigerator available for travel trailer use and will give you many years of faithful service.

Whenever you park your trailer care should be taken that it is accurately level for best operation of this refrigerator. When parking try to avoid having a strong wind blowing directly against the wall where the vent outlets are located for most efficient operation. A spirit level has been provided with your Dometic refrigerator to assist you in leveling your Airstream. However, the job will be somewhat easier if you purchase two small inexpensive 10 to 12-in. spirit levels and lay them at 90° angles on the floor when you are leveling your Airstream.

The refrigeration system is air cooled. Therefore, it is of the utmost importance that air circulation around the cabinet is non-restricted.

Fig. 8A is an illustration of the working parts of your refrigerator which will be referred to in the following operating instructions.

FOR GAS OPERATION

The gas tap must always be fully opened whenever the refrigerator is in use. A partially opened tap effects no saving and may interfere with the operation of the unit.

To light — Remove kick plate on bottom front of refrigerator by pulling outward

1. Turn gas valve lever "A" one-half turn clockwise to open position. Turn thermostat knob "B" to a setting of 4.
2. Press red button "C" and after about 15 seconds (to allow sufficient gas to enter), rapidly twist lighter rod "D" clockwise. This will create a spark which will ignite the gas.
3. After the burner has been lighted, keep button "C" depressed for an additional 15 seconds to allow the safety shut-off to become heated sufficiently to keep the valve open.
4. Release button "C" and check to make certain the burner remains lighted. If it should go out, repeat the above procedure.

Incorporated in the burner bracket is an automatic flame failure device which allows gas to pass only when the burner is lighted, keeping the tongue of

the device hot. Should the flame be blown out, the tongue will cool and the device will cut off the flow of gas to the burner.

THE THERMOSTAT

This refrigerator has automatic thermostatic control of the temperature in the food storage space. Be sure to make the temperature setting on the correct thermostat.

As soon as the required cold temperature inside the cabinet is reached, the thermostat cuts the burner main flame to the by-pass flame sufficient to keep the safety valve open.

DEFROSTING AND CLEANING

Excessive formation of ice on the evaporator reduces refrigeration efficiency. It is, therefore, necessary to defrost the Unit whenever ice has accumulated.

When defrosting is necessary, turn the thermostat (ET or GT) to warmest position and leave the door of the refrigerator open. See that the drip tray is in its position below the evaporator.

This is a good time to remove all food and clean the interior and all other plastic parts with warm water adding detergents. Never use abrasive or caustic cleaning powders, polishes, cleaning paste or any gasoline, turpentine and the like.

Use a damp cloth for cleaning and finish with a soft dry cloth. After the defrosting has been completed, turn the control knob to its normal position.

When the refrigerator is to be out of operation for some time, always leave the door slightly open.

TROUBLE SHOOTING — GAS OPERATION

Trouble — Flame is noisy with buzzing sound

CAUSES AND REMEDIES

- a. Burner is getting too much air. Screw the lower air adjustment ring "A" on the burner down, to partially cover the air holes at the base, until the noise stops. (Figure 8B). Lock in position with the upper ring "B." Make certain that the flame remains blue. Blocking the air holes "C" completely will cause the flame to become yellow and to smoke.

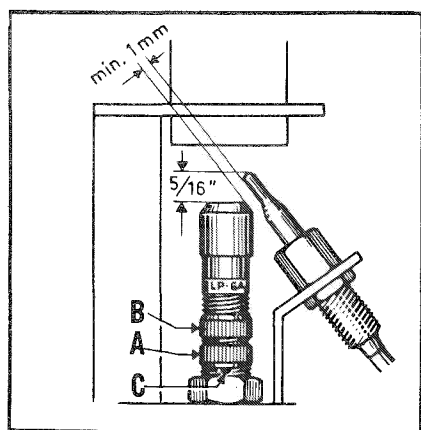


FIGURE 8-B

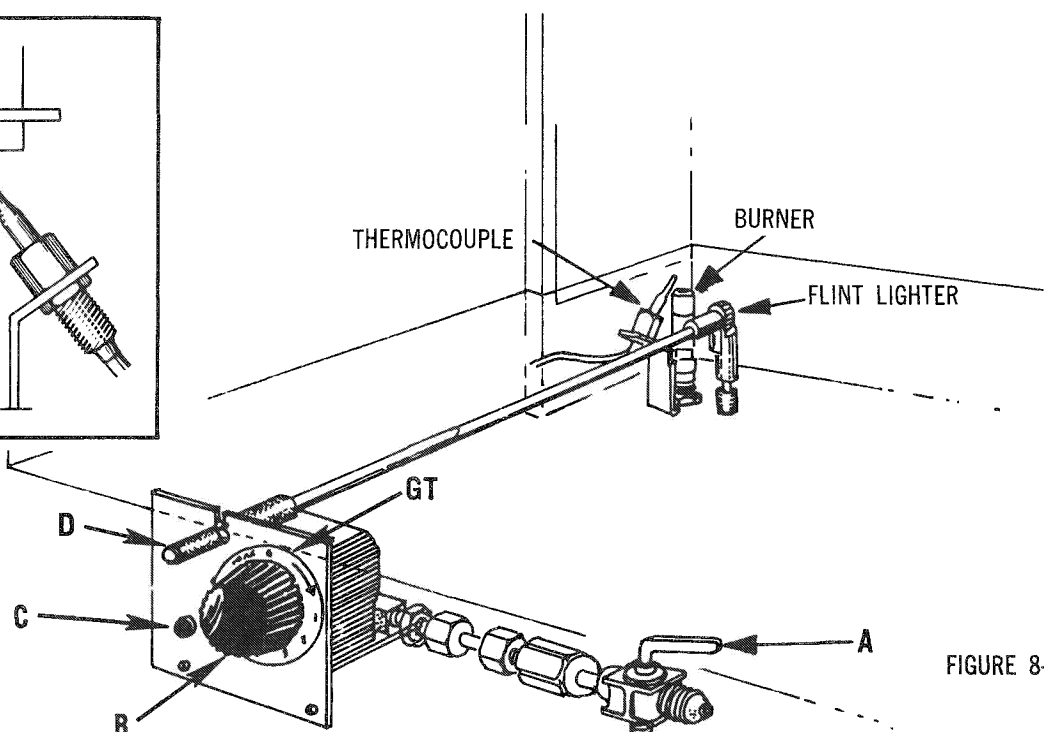


FIGURE 8-A

Trouble — When lighting the gas flame it goes out as soon as the push button is released

CAUSES AND REMEDIES

- The thermocouple tip may not be in the flame. The thermocouple should be at an approximately 45° angle to the burner located per figure 8-B.

Trouble — Flame goes out

CAUSES AND REMEDIES

- Flame blow-outs can be caused by excessive wind, including the wind of a passing truck or bus. If there has been no wind to cause the flame to repeatedly go out, go to a Dometic Service Depot to have the thermocouple and safety valve checked.

Trouble — Overfreezing

CAUSES AND REMEDIES

- The thermostat sensitive tubing is incorrectly located in the pocket inside the ice making compartment. Push the tubing back as far as it will go.
- The thermostat is out of adjustment. To adjust it turn the dial to "zero." If the flame does not go down to the "low" by-pass setting, follow this procedure:
 - Unscrew the large cap screw at the rear of the thermostat and remove the ball. Clean ball seat and replace.

- If procedure (1) does not correct the problem, remove the dial knob with the dial plate and turn the exposed set screw out (in counter clockwise direction) until the flame goes down to the by-pass. See figure 8-C.

- If the flame keeps going out when the dial is turned to (O) remove and clean the by-pass screw which is located inside the gas connection on the left side of the thermostat.

Trouble — Burner does not light

CAUSES AND REMEDIES

- Remove and clean burner barrel.
- Check gas supply.

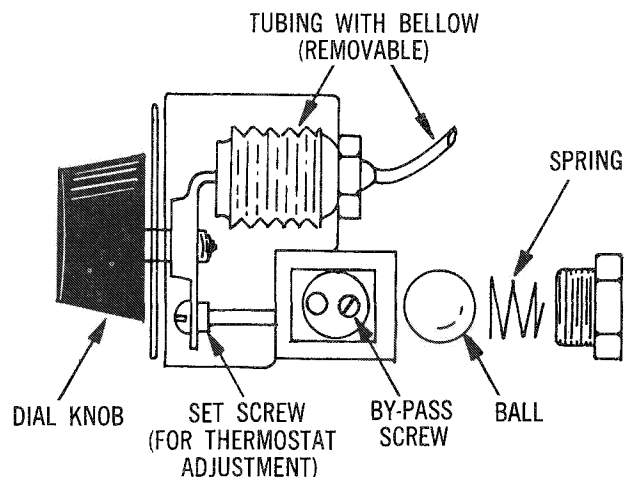


FIGURE 8-C

CHAPTER 9

THE FURNACE

The furnace in your Airstream is a Hydro Flame Model RC-9 sealed combustion system which heats by both radiation and circulation. It has been approved by the AGA and the ICC, and is listed with the California Housing Authority. It is thermostatically controlled and has automatic safety controls; the fully automatic valve requires no electricity.

The Hydro Flame furnace uses outside air for combustion, and vents exhaust gases outside your trailer; but by virtue of the unique Hydro Vent cap, it is very stable under even severe wind conditions, and is almost impossible to blow out. Your furnace is unconditionally guaranteed by the manufacturer for one year against defects in workmanship and materials; the aluminized steel combustion chamber is guaranteed against burn-out for five years.

OPERATION

Follow the manufacturer's lighting instructions printed on the inside of the swing-out front door of the furnace. Be sure the gas valve area is kept clean; a fouled valve can result in difficult lighting and faulty operation. **CAUTION:** The flue gases from the furnace are vented outside your trailer through a vent in the outside wall. Do not place clothing or other flammable material on the vent assembly. Check occasionally to see that it is not clogged with leaves, etc. Never operate your furnace while moving.

TREATING MINOR MALFUNCTIONS

Should the pilot light go out, there are certain checks you can perform before calling for professional help.

First — make sure the pilot door closes tightly, leaving no air cracks. Tighten the thermocouple connection at the valve, being careful not to over-tighten, as this will mash the lead connection inside and make

replacement of the unit necessary.

If the pilot still continues to go out — loosen the gas line at the pilot. Remove the pilot orifice complete with brass fitting, and blow backward through the orifice to clear it. Before replacing, turn the gas valve pilot control knob to PILOT and depress to ascertain that the valve is functioning properly and allowing gas to come to the pilot. If no gas comes through, check the tank to be sure you have gas coming to the valve. Remove the pilot screw cover and turn the pilot adjusting screw out (counter-clockwise). If no gas comes through, the valve is faulty and must be replaced. If gas does come through, replace the cleaned orifice, making sure all gas fittings are tight. Follow lighting and relighting instructions.

To adjust the pilot — remove the cap over the pilot adjustment screw. With the pilot in operation, open the pilot cover door and observe the pilot flame while turning the adjusting screw located on the valve in (clockwise) until the pilot flame cuts off. Turn the adjusting screw out (counter-clockwise) one-half turn, and relight the pilot. The flame should be relatively small, although big enough to strike the thermocouple.

REMOVING MOISTURE

When humidity is high inside your trailer, turn on the trailer exhaust fan in the roof vent and open a window slightly to get cross ventilation. This will not affect the operation of the furnace.

THE THERMOSTAT

The thermostat automatically controls the temperature in your trailer. The thermometer and thermostat settings are reasonably accurate; however, it is best to adjust the thermostat to comfort level rather than to any prescribed temperature setting.



international oil burner company

MOBILE HOME SERVICE POINTS • UNITED STATES AND CANADA

The following is a list of factory approved service points trained at the only regularly scheduled factory service school for mobile home appliances. The International Oil Burner Company as a convenience and additional service to you maintains the largest single mobile home service organization.

If you should develop trouble with your International furnace, air conditioner or range, simply locate the approved service point closest to you from the list below and contact them directly. Service points with no markings to the left of the name are qualified to service all International appliances. Those with a single asterisk (*) are qualified to service International air conditioning equipment only (no heating).

The long distance area code number for each service point is listed after the name of the city in which the service point is located. The individual phone number is given after the service point address.

All approved service points carry an adequate supply of genuine International parts for both heating and air conditioning equipment. This inventory in your area will insure the immediate replacement of a malfunctioning part, should the occasion arise. All of the companies listed below have undergone training at the International factory service school and are best qualified to service your International furnace or air conditioner. They have also been acquainted with the other appliances in your mobile home and can be relied upon for courteous and efficient service of almost any nature.

Keep this list available so that in the event you move to another location it will be easy to locate another International factory-approved serviceman.

ALABAMA

Bessemer D-3
H. A. Wheat
Birmingham Mobile Home Parts & Supplies
5116 Bessemer Super Hwy. -HA. 5-2361

Butler F-2
Jack P. Deloach
P. O. Box 139-459-3430

Daleville H-5
Daleville Home Appliance Co.
Route 1-Box 15-2867

Dothan
Mr. W. A. Meredith
c/o Meredith Electric & Appliance Service
414 W. Selma St. -794-6830 36301

Evergreen G-4
*Evergreen Electric Shop-N-L
Huntsville-205
Mobile Home Service Company
2808 Governors Drive South West-539-7244

Mobile I-2
Best Trailer Sales
2850 N.W. 90, West-477-4796

Oxford
Mrs. N. E. Morrison
Oxford Electric Company
401 Central -831-0601

ALASKA

Fairbanks C-4
Kleen Air Heating Service
116 Farewell St.
Hamilton Acres-456-5987

Juneau
Britt's Trading Service
Box 1266-586-3295

Spenard
James E. Blake
c/o Blake's Burner Service
3913 Barbara Drive-FA. 2-1037

Mr. A. F. Tischer
c/o Tischer's Burner Sales & Service
3303 Oregon Dr. -FA. 2-3252 or FE. 3-3040

ARIZONA

Casa Grande
Pinal Trailer Sales, Inc.
1646 North Pinal -836-8351

Chandler-602
Mr. Bud Jones
c/o Ranch Trailer Sales
950 N Arizona Ave. -963-6693

Van's Appliance Service
417 W. Linda Lane -963-5054

ARIZONA (Continued)

Flagstaff-602
Mr. Ben Bentley
c/o Ben's Trailer Supplies & Repairs
Rt. 1, Box 959M -774-8453

Northern Arizona Gas Service
14 West Aspen St. -774-6671

Halbrook
Denver Nicholas
330 W. Erie St. -524-3843

Kingman
Davis Heating & Cooling
525 E. Andy Devine Ave. -SK. 3-3746

Mesa
Mr. Leo Kast
c/o Complete Trailer Service
931 W. Main St -964-9182

Phoenix-602
City Trailer Service
105 S. 36th St. -275-1962

Sedona
Sedona All Service -Box 502-282-3530

Tucson-602
Ted Walkers Trailer Headquarters
2632 S. Sixth Avenue -MA. 3-2595

Yuma
Airtemperature, Inc.
3001 Pacific Ave. -783-8808

ARKANSAS

Blytheville-501
Poole Mobile Home Repair
P. O. Box 1317-72316-3-8947

Sam's Service Shop
409 West Missouri St. -PO. 3-7427

Forrest City-501
Almond's Repair Service
1225 Traylor Blvd. -ME. 3-4245

Ft. Smith
Johnny Hayes
Hayes Bros. Plumbing Co.
2210 No. "O" Street-SU. 2-5027

Hot Springs
B. O. Bratton Washer & Refrig.
700 East Grand
NA-4-2562 (day) NA-4-5169 (night)

North Little Rock-501
Tweedy's Mobile Home Service & Supply
Rt. 4, Box 190C 72117

CALIFORNIA

Anaheim
(E) Midway Trailer Company
Mr. Paul Bostwick
200 West Midway Drive

CALIFORNIA (Continued)

Anderson
Mr. J. M. Merrill
c/o Jack's Trailer Repair
Route #1 -Box 1549-365-2285

Bakersfield
Kings's Trailer Towing & Service
9331 Marvin St. -831-3160

Barstow
Henderson & Barnes Sales & Service
120 Cal Ave., P.O. Box 548-CL. 6-6500

Bishop-714
Edwards Mobile Home Service
236 Willow-UP. 2-4921

Blythe-714 M-12
C. W. Covington
B. C. Electronics
9526 E. Hobsonway-922-2652

Cambridge-805
Mr. Steve Smith
c/o Mobile Home Maintenance & Service Co.
80 Kenneth St. -482-6153

Cathedral City L-10
Bradley's Mobile Home Service
69-971 Sunny Lane-328-3941

Claremont-714 L-9
Jack's Mobile Home Service
8256 North Central Avenue
982-3943

Compton
Mr. Richard R. Tast
c/o NIDIC Gas Appliance & Equip. Serv.
1300 South Washington-NE. 9-7556

Concord
Mr. C. E. Thompson
c/o Concord Mobile Home Sales, Inc.
1225 Monument Blvd.
686-1714(day) 689-0164 (night)

Crescent City
Pacific Trailer Mart
Pacific Highway North-IN. 4-3325

Fresno-209 H-6
James Leon Phillips
c/o Phillips Trailer Service
4824 E. McKenzie -251-6132

Gardena-213
Hilco Trailer Repair & Mfg.
1039 W. Rosecrans-DA. 9-7363

Grants Pass
Marvin's Mobile Home Service
8330 Rogue River Hwy.

Hemet-714 L-10
Thrifty Boy Trailer Supply, Inc.
40581 Florida Avenue-658-8404

Hesperia
Mr. Ken Klein
Andy's Mobile Sales
12801 Hwy 66 -CH5-5495

CALIFORNIA (Continued)

Lakewood-213
Ball Air Conditioning & Heating
5027 Pearce Ave. 925-6217

La Mesa-714
Hardy's Mobile Home Service
7285 University Ave. -469-4173

Reliable Trailer Supply Center
45545 No. Sierra Hwy.
WH-2-0533 (day) WH-6-1034 (night)

La Puente-213
Browns Air-Rite Heating & Air Cond Co.
16303 Benwick St. -966-2327

Lompoc-805 K-6
Lompoc Trailer Center
113 N. "G" St. -RE. 6-2116

Los Gatos-408 H-4
Frank N. Stoddard
Your Furnace Man
15560 Benedict Lane-356-2415

Mariposa-209 G-6
Mariposa L. P. Gas Service
P. O. Box 1144-WO. 6-3752

Modesto
Mr. Phillip B. Malik
c/o Malik Mobile Wholesale
723 South 99 Highway-524-7205

Montclair-714
Mr. Ray Jansen
c/o Ray's Mobile Home Service
9942 Vernon Avenue-624-8115

North Sacramento-916 F-2
George's Trailer Sales
1640 Auburn Blvd.

Ojai-805
Coast Mobile Home Service
307 South Montgomery-646-5898

Paradise-916 D-4
Mobile Home Specialists
6517 Rocky Lane-877-6068

Placerville
Mr. John H. Holder
c/o Johnny's Mobile Home Service & Supplies
#48 Broadway-622-2070

Pomona-714
Kleen-Kold
304 Barry Drive
623-4421 (day) 624-3626 (night)

Pomona Valley
Jack's Mobile Home Service
8256 North Central Avenue
982-3943

Ridgecrest
Lowell Atchley
A & W Heating & Cooling Service
P. O. Box 847-FR. 7-6722

* Service for International Air-Conditioning only. (No Heating)

(E) Exclusive International Service Centers

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c/o Mobile Home Heating Service
1530 West Nora—FA. 7-2627

Tacoma-206
Criswell Trailer Service
3621 No. Union Avenue—SK. 9-8220

K-W's Trailer Service
3015 East L. St. —BR 2-0976

Vancouver-206
Mr. F. B. Jacobson
c/o F. B. Jacobson Service
206 East 17th Street—DX. 3-1456

Walla Walla
Vernon's Heating Service, Inc.
2225 East Isaacs—JA. 5-5133

Yakima-509
Mr. E. L. Woodburn
Woody's Trailer Sales
1913 So. First St.—GL. 3-2193

C-10

D-4

E-6

WEST VIRGINIA

Bluefield
Mr. Leon Martin
Route #1 Box 165—327-1641

Bridgeport
Mr. French Reger
c/o Reger Heating & Plumbing
Route #1 Box 147—842-4078

Buckhannon
Upshur Plbg. & Elec. Co.
13 North Kanawha St.—472-1250

Charleston-304
Older's Mobile Home Heating Service
2298 Pennsylvania Ave.—342-0430

Harper's Ferry
Mr. Dorsey Dunlap
Box 138—725-2309

Keyser-304
John R. Fanto
Mobile Home Comfort Conditioning
Ludwick Street, P.O. Box 452
784-4166 26726

Nitro-304
Nitro Plumbing & Heating
P.O. Box 116—755-4303

Pineville
Mr. William Henkins
c/o Bill's Engine Repair—732-4301

South Charleston-304
Mr. M. E. White
212 - 4th Ave.—RI. 4-0680

C-4

C-6

D-2

WISCONSIN

Bloomington-608
Mr. Kenneth Dubel
c/o Dubel's Mobile Home Maintenance
Box 332

La Crosse
Mobile Home Service & Supply, Inc.
97 Copeland Ave.—5-0924

Marshfield
House of Heating, Inc.
P.O. Box 183 1602 North Central Ave.

Milwaukee-414
Hub Oil Co., Inc.
8903 W. Morgan Ave.—LI. 1-4048

Stanley
Dan's Radio & TV
311 N. Broadway—MI. 4-5836

Sturgeon Bay
Remy's Mobile Homes
Hwy. 42 & 57 No.
PI. 3-2824 & PI. 3-6053

Waukegan
Paul's Mobile Home Service
Route #1, Box 29
Middleton—836-4066

Wausau
J & D Home Service
1233 Jackson Street—845-1784

H-2

I-6

F-3

F-7

WYOMING

Casper-307
Fay Peebles Mobile Homes
501 W. Yellowstone—234-2505

Cheyenne-307
Marv's Trailer Supply & Sales
Route #1 - Box 138—632-2222

D-7

F-8

WYOMING (Continued)

Green River-656
Adams Sales, Inc.
P.O. Box 432

Jeffrey City-307
Coates & Son Motor Company
P.O. Box 363—544-2677

Riverton-307
Prel's Mobile Home Parts & Service
524 South Federal—856-5661

Rock Springs-307
Arne Oja, 432 A St.—362-2579

Shoshoni-307
Adams Mobile Home Sales, Inc.
Box 147—3001

Torrington
Warren Mobile Homes
P.O. Box 1229—532-5126

Worland-307
Pure Gas Service Co.
P.O. Box 38—347-2455

F-4

D-5

E-4

C-5

E-9

B-5

CANADA**ALBERTA**

Calgary-403
Ben's Service and Repair
6219-18 Street S.E.—279-3315

Elmo's Appliance & Stove Repair Ltd.
714 23rd Ave. N.W.—AV. 9-5155

Mobile Home Appliance Service
7309 Macleod Trail
255-7454 (day) 272-2442 (night)

Greg Lund Products, Ltd.
Western Division
4124A - 9th St. South East—243-2792

Midwest Trailer Sales Ltd.
7204 McLeod Trail—AL. 5-0151

United Trailer Co. Ltd.
3715 Edmonton Trail—CR. 7-8576

Cold Lake
A. G. Jesse
Box 1471, RCAF Station

Edmonton
Alco Trailer Repair Depot, Ltd.
9844-62 Avenue
439-7503, 439-2421 (day)
439-7995, 466-9208 (night)

Art Trailer Service Co
10356 59 Ave.
469-2295 or 434-5752

Carmichael Trailers Edm., Ltd.
16815 Stony Plain Road
489-2356 (day) 455-1629, 455-0206 (night)

Midwest Trailer Sales Ltd.
5330 Calgary Trail—GE. 9-2880

Grande Centre
Nomad Trailer Enterprises
Box 447—248-4181

Red Deer
Bill's Trailer Sales
4222 - 42 Avenue—346-3997

E-9

C-9

BRITISH COLUMBIA (Continued)

Penticton-604
Mr. J. H. Carson
c/o Lakaire Trailer Sales Ltd.
P.O. Box 220 — 492-8100

Port Moody-604
Burnaby Trailer Centre, Ltd.
3201 St. John Street
936-1441 (day) 942-9530 (night)

So. Burnaby-604
Bob's Trailer Limited
5141 Kingsway—HE. 4-7818

Trail-604
Ra Lyn Mobile Home Sales
118 Wellington St.—368-5717

G-6

G-7

NEW BRUNSWICK

Catham
Evans Enterprises
Box 183 RCAF Station
773-3684

Moncton-506
Curtis O'Connor & Co., Ltd.
1036 Mountain Road
P.O. Box 13 — 384-4120

D-5

MANITOBA

Winnipeg
Fred Brown
c/o Modern Home Htg. Ltd.
1494 Pembina Hwy. — G1 3-8633

Space Heating & Appliance
448 Logan Ave.—WH. 3-9687

F-9

NEWFOUNDLAND

Stephenville
Anton J. Fromm
c/o Fromm's Electronics Co., Ltd.
P.O. Box 471 —643-2369 & 643-4328

Mr. Lemvel Lidstone
c/o Lidstone & Luscombe Ltd.
P.O. Box 389—643-2305

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Beford-902
Mobile Home Sales, Ltd.
P.O. Box 364—835-5302

Truro-902
Kerr Controls Company
P.O. Box 334—893-2688

ONTARIO

Ajax-416
Miller Oil Burner Service
9 Tudor St.—942-3491

Hamilton-416
Styleline Trailer Service
1533 Upper James St.—N-L

North Bay
Marshall Bros. Plbg. & Htg. Ltd.
423 McPhail St — 472-5330 (day)
474-2724 (night)

E-6

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Summerside
Johnstone's Fuels Limited
P.O. Box 1352—436-2136

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South Shore Mobile Homes
St. -Basile Le Grand
653-6336 (day) 653-3453 (night)

Hauterive (Saguenay)-418
Raymond Hebert
c/o Armand Remillard Ltée.
207 Blvd. Lafleche, C.P. 1449

Montreal-514
International Oil Burner Registered
8935 Iberville—388-3388

Sept Iles-418
Heat Saver
432 Iberville St. —942-2665

Sept Iles, Cte. Duplessis
Mr. Jacques Larouche
J.R. Vigneault, Inc.
#5 Rue Regneau

F-5

SASKATCHEWAN

Regina-306
Electric & Machine Company
1763 Halifax St. LA. 2-9935

Saskatoon-306
A.A. Murphy & Son, Ltd.
210-216 First Ave. North—652-6622

F-4

D-3

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692-7293

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International of Georgia
P.O. Box 1209 31709
924-9308

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Eikhart-219
International of Indiana
181 N. Elkhart Ave. 46514
322-3036

KANSAS

Wichita-316
International of Kansas
539 Mead Street 67201
363-1963

MISSOURI

St. Louis-314
International of Missouri
3800 Park Ave. 63110
771-2410

OREGON

Portland-503
International of Oregon
8925 S. E. Flavel Ave. 97266
775-1543

PENNSYLVANIA

Selinsgrove-717
International of Pennsylvania
100 Sand Hill Road 17870
374-0515

TEXAS

Ft. Worth-817
Martin Warehouse
708 N. Throckmorton 76100
332-7609

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Calgary-403
Greg Lund Products, Ltd. Western Div.
4124 A. Ninth St. S.E.
243-2793

ONTARIO

Oakville-416
Greg Lund Products, Ltd.
521 N. Service Road P.O. Box 220
845-7558

CHAPTER 10

THE WATER HEATER

Your Airstream is equipped with a Bowen gas water heater which is built to give you long years of trouble-free performance. It has a 100% shut off safety valve which shuts off the gas supply in the event of pilot flame being extinguished and is equipped with either a Minneapolis-Honeywell or a General Controls regulator. It is lighted and serviced from outside through an access panel at the right rear of the trailer.

Procedures for lighting or re-lighting are as follows:

Operating Instructions for Units Equipped with MINNEAPOLIS-HONEYWELL CONTROLS regulator (Figure 10-A).

Procedure for lighting or re-lighting:

1. Be sure the heater is filled with water and that all air has been vented from gas line.
2. Turn gas cock knob to "Off" position and temperature indicator to lowest temperature position.
3. Wait sufficient length of time to allow gas which may have accumulated in burner compartment to escape. (Approximately 5 minutes).
4. Turn gas cock knob to pilot.
5. Depress the knob, light the pilot burner, and hold the knob down for about 1 minute.
6. Turn the gas cock knob to ON.
7. Set the lever indicator for the desired water temperature.
8. To shut down the heater, turn gas cock knob to OFF position.

NOTE: For instructions on how to adjust pilot flame see page 10-3.

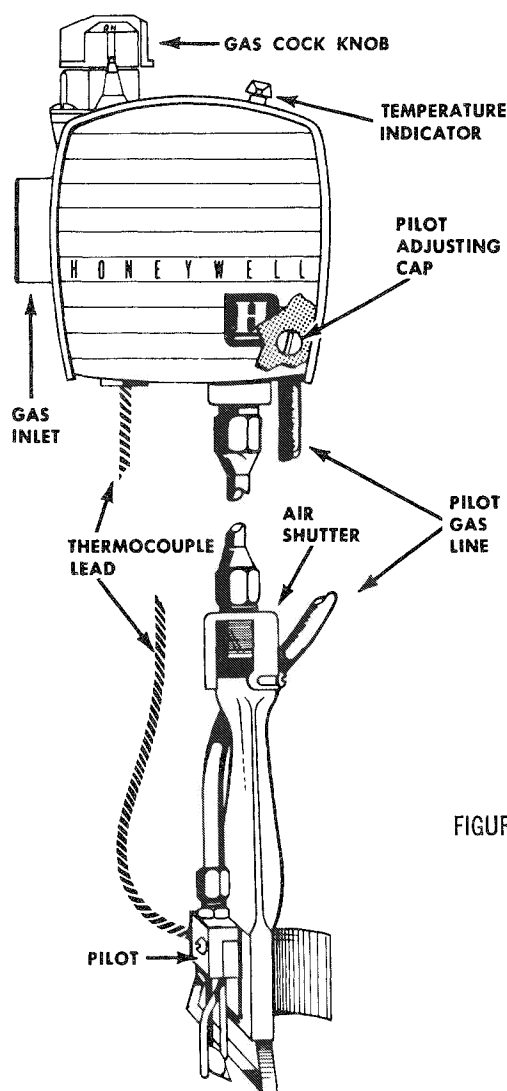


FIGURE 10-A

Operating Instructions for Units Equipped with GENERAL CONTROLS regulator (Figure 10-B).

Procedure for Lighting or Relighting:

1. Be sure that heater is filled with water and that all air has been vented from gas line.
2. Turn top dial to "Off" position, and temperature dial to lowest temperature position.
3. Wait sufficient length of time to allow gas which may have accumulated in burner compartment, to escape (Approx. 5 min.).
4. Turn top dial to "Light Pilot" and continue turning until dial "Stops." Hold in this position while lighting.

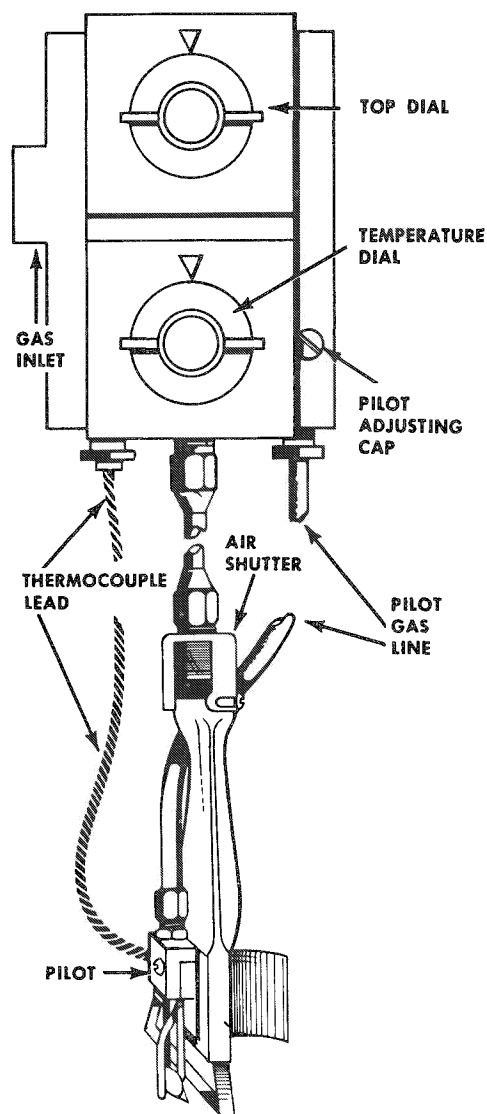


FIGURE 10-B

5. Allow pilot to burn approximately one minute before releasing dial from stop. If pilot does not remain ignited, repeat above operations allowing longer period before releasing from DIAL STOP.
6. Turn top dial to "ON" position and turn temperature dial to desired position. The main burner will ignite.
7. To shut down heater, turn top dial to "OFF."

NOTE: For instructions on how to adjust pilot flame, see following:

PILOT FLAME ADJUSTMENT

If the pilot flame does not have a small orange tip the pilot is not getting enough gas. (See Figure 10-C).

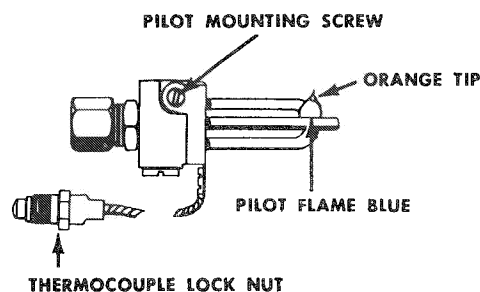


FIGURE 10-C

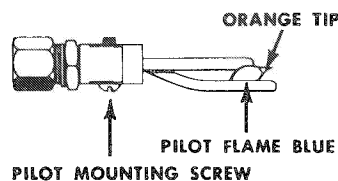


FIGURE 10-D

The flame should be about $\frac{1}{4}$ of an inch in vertical height when the water in the tank is cold and the burner is off; and a flame $\frac{1}{4}$ to $\frac{3}{8}$ of an inch in horizontal length when the tank is warm. (See Figure 10-D). A large orange flame indicates excessive gas supply, which will result in short pilot life and early replacement. The pilot has been properly adjusted at the factory and should operate with a blue, orange tipped flame enveloping the pilot thermocouple. Removal of the "pilot adjustment cap" will reveal the pilot adjustment screw. Turning this screw clock-wise reduces the flow of gas to the pilot (blue flame) and counter clock-wise the gas supply is increased (orange flame). Always replace the "pilot adjustment cap" to prevent gas leakage.

AIR SHUTTER ADJUSTMENT

All fuels depend upon air (oxygen) to give them proper burning characteristics. A yellow, smoking flame indicates a lack of air and a noisy hard blue flame indicates an excess of air. The air shutter rotates around the main burner orifice holder and is held in place by a small shutter adjustment screw. Loosen the screw for adjustment. A good method of adjusting the air shutter is to rotate the shutter closed far enough for yellow tipping to occur on the main burner (not pilot) and then slowly open the air shutter until all signs of yellow tipping are gone. When proper adjustment has been obtained, tighten screw holding air shutter (See figure 10-E).

GAS LINE VENTING

Most failures to light are caused by the absence of gas

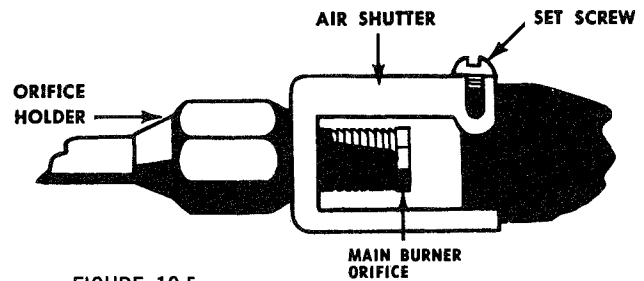


FIGURE 10-E

and presence of air at the pilot port. This may happen when you have run out of gas. Upon restoration of the gas supply the line is full of air. It is recommended that appliances such as the range and furnace be lighted first. This assures a supply of gas in the main gas line. Then follow the normal procedures as outlined previously for lighting.



ATWOOD BOWEN CO.

PHONE: 624-1555 • AREA CODE 313 • TWX-824-4562 • 49230 WEST FOURTEEN MILE • WIXOM, MICHIGAN 48096

8-1-65

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MOBILE HOME REPAIR & PARTS
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Phone 425-2361 — Area Code 205

BIRMINGHAM
THE MOBILE HOME SERV. CO.
203 - 19th St., S.W.
Phone ST 6-2021

FAIRHOPE
DIALGAS, CORP.
P.O. Box 238
Phone WAverly 8-9068 — Area Code 205
8-2175

HUNTSVILLE
MOBILE HOME SERV. CO.
2900 S. Memorial Park Way
Phone 539-7244 — Area Code 205

MOBILE
AZALEA MOBILE HOME SERV. & SUP.
Rt. 4, Box 528—J. R. Hobbs
GR 7-0688

ALASKA

FAIRBANKS
PETROLANE ALASKA GAS SERVICE, INC.
Box 2135
2319 Cushman Street
Phone: 456-4341

ARIZONA

FLAGSTAFF
BEN'S CORRAL TRAILER SUPPLIES & REPAIRS
Rt. 1, Box 959M
Hwy. 89 North
Telephone: 774-8453 — Area Code 602

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WAITI MOBILE SERVICE
8201 East 4th Avenue
Phone: 985-2197

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PAGE SERVICE*
WI 5-2721

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Phone: BR 5-6527
JOHNNY'S TRAILER SERVICE*
3402 West Cypress
AP 8-9620
RAY SMITH TRAILER SERVICE*
101 North 32nd. Street
BR 5-2430

TUCSON
PAULSON'S REPAIR SERVICE & SALES*
246 West Glenn Street
MA 4-0065
TED WALKER TLR. HDQTRS., INC.*
2632 South Sixth Avenue
MAIN 3-2595

ARKANSAS

BLITHEVILLE
POOLE MOBILE HOME SERVICE
P. O. Box 1317
941 Division Street
Phone 501 POplar 3-8947
SAM'S SERVICE SHOP
409 W. Missouri
Phone POplar 3-7424 — Area Code 501

FORT SMITH
HAYES BROS. PLUMBING & HEATING CO.
2210 North "O" Street
Phone SU 2-5027 — Area Code 501

JONESBORO
BOB ALLISON TRAILER SALES
Highways No. 1 and 173
Phone: WE 2-4556

LITTLE ROCK
FRED & JACK TRAILER SALES
6600 Asher Avenue
Phone LO 5-2543

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CLAREMONT
JACK'S MOBILE HOME SERVICE & SUPPLIES
8256 N. Central Avenue
Phone: NA 6-0560 or YU 2-3943 — Area Code 714

COMPTON
GUS'S TRAILER SALES, INC.
12534 S. Atlantic Street
NEmark 8-6136

GARDENA
HILCO TRAILER REPAIR & MFG.
1039 W. Rosecrans
Phone DA 9-7363

LAKEPORT
MOBILE TRAILER SERVICE & SUPPLY
P. O. Box 416, Hwy. 29, South
Phone 263-5246, Area 707

LA MESA
HARDY'S FIX-IT SHOP
7285 University Ave.
HO 9-9681

LOMPOC
LOMPOC TRAILER CENTER
113 No. "G" St.

LOS ANGELES
WARD & SON, INC.*
5601 Valley Boulevard
CApital 5-2271

PALM SPRINGS
LARRY WILLIAMS TRAILER SERVICE
115 So. El Segundo
Phone FA 4-4918

REDWOOD CITY
DEONEL TLR. & HEATING SERVICE
736 Hurlingame Avenue

WEST SACRAMENTO
MOBILE SERVICE
507 Glide Avenue
Phone 371-5179

SAN LEANDRO
WALT HANSEN MOBILE HOME SERVICE
16543 Los Banos Street
Phone: 276-5740

SANTA ANA
FREDSON TRAILER SUPPLY
4526 W. Westminster
Phone JE 4-4767

SANTA ROSA
BEVINS AND BILD
2532 Santa Rosa
Phone: Liberty 2-6748

STOCKTON
LOWELL RATHE MOBILE HOME SALES
2101 E. Charter Way
Phone HO 5-2421

SUNNYVALE
A-1 TRAILER SUPPLY*
933 Kifer Road
Phone 245-6404

COLORADO

AURORA
AURORA TRAILER SUPPLY
1462 Iola
EMpire 6-8110

BOULDER
BOULDER TRAILER SERVICE
2475 30th St.
Phone HI 3-1096

COLORADO SPRINGS
THE PIKES PEAK TRAILER SUPPLY CO.
1729 South Nevada Avenue
Phone: 633-1476 — Area Code 303

CORTEZ
ROY BROWN
Box 758
LO 5-9775

DENVER
DENVER TRAILER SUPPLY*
1740 South Broadway
SHerman 4-1081
TRAILER LAND
5401 West Colfax Avenue
Phone 237-9591

FORT COLLINS
BORDEN'S TRAILER SUPPLY
1008 N. College Avenue
Phone: 482-8118

GRAND JUNCTION
MOBILE HOME SERVICE
1610 Bluegill Dr.
TRAILER HOUSE RENTALS AND SALES
2485 U. S. Hwy. 6
Phone CH 3-2018

LOVELAND
ELLIS MOTOR & TRAILER SALES*
1410 North Lincoln
NOrmandy 7-3236

PUEBLO
PUEBLO MOBILE HOME SERVICE
3015 Elizabeth
Phone LI 4-1823

CONNECTICUT

EAST HARTFORD
CALL'S MOBILE HOME SERVICE
877 E. Burnside
Phone: BUTler 9-3719

EAST WINDSOR
SKYLINE HOMES OF NEW ENGLAND*
Sta. No. 67—Rt. 5
JA 8-6054 or NA 3-0533

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LAMB'S MOBILE HOME SERVICE
34 Third Avenue
Phone 443-8543 — Area Code 203

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Phone EASt 8-2694

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PALM GAS & TLR. SUPP., INC.*
2190 Road 84
LU 3-6830

FT. MYERS
FT. MYERS TRAILER PARK*
3111 Cleveland
Phone WE 6-2359

LEESBURG
ABC TRAILER SALES
R.R. 3, Box 595
Phone 787-4206

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2325 N.W. 27th Ave.
Phone: NE 5-3966
JERRY'S TRAVEL TRAILER SALES & SERVICE
2710 N. W. 36th St.
Phone 634-7648

OCALA
E. M. DE LONG
Route #1 - Box 310
Phone: 629-4377

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5475 S. Orange Blossom Trail
GArden 3-5648

PALMETTO
CARL E. BOWEN
3007 49th St., East
Phone 722-1982

PENSACOLA
ANDERSON TRAILER SALES, INC.
3825 Navy Boulevard
Phone: 455-0331 and 455-0332 — Area Code 305
KURT'S MOBILE HOME SUPPLY
927 No. Pace Blvd.
Phone HE 3-6326

ST. PETERSBURG
DARWIN GAS APPLIANCE SERVICE
2928 11th Ave. N.
Phone 829-2911
TYRONE PROPANE SERVICE*
4104 Park St. No.

TAMPA
PAUL'S MOBILE HOME SERVICE
13733 Nebraska Avenue
Phone 935-1904

VENICE
THOMAS TRAILER SERVICE
923 Nokomis Avenue
Phone: 488-4065 — Area Code 813

GEORGIA

ATHENS
SERVICE CO.
Box 883
Phone: 543-4829 — Area Code 404

NORCROSS
MOBILE HOME SERVICE, INC.
Route #1 — Highway 23
Phone: 766-7071

WARNER ROBINS
FLAMINGO MOBILE HOME SERVICE CENTER
Route #1, Box 48
Phone WA 3-1291

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ACE TRAILER REPAIR
2942 Chinden Blvd.
Phone 4-5171
WILSON HEATING SERVICE
2021 College Blvd.
Phone 2-3917

POCATELLO
HANDY SERVICE
4929 Yellowstone Avenue
Phone: 233-4929 — Area Code 208

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BLACKSTONE
ECONOMY MOBILE HOME SERVICE
R.F.D. #1
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BLUE ISLAND
ILLINOIS MOBILE HOME SUPPLY CO.
14225 So. Western Avenue
Phone 388-0008

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Phone 344-5000

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DUKE TRANSPORTATION COMPANY
710 Wabash Avenue
Phone: 532-3688 — Area Code 618

CHARLESTON
HARPER'S COLES COUNTY GAS CO., INC.
617 N. State Street
Phone: DI 5-3993

DANVILLE
DIXIE MOBILE HOMES, INC.*
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Hickory 2-0733

BEST IN ELECTRIC ☆ ☆ ☆ FIRST IN GAS ☆ ☆ ☆ FOREMOST IN SERVICE

Recommended Service Stations for BOWEN Water Heaters

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5926 N.W. 39th
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JACK'S MOBILE HOME SERVICE
1213 North Indiana
Phone: JACKSON 8-1638
PEMBERTON BROS. MOB. HOME SALES
Post Office Box 4571
Capital Hill Station
QUALITY MOBILE HOMES
7207 N.W. 39th Expressway
Phone: WH 9-2409

TULSA
OKLAHOMA MOB. HOME SERV. & SUP.
3119 E. Admiral Place
Phone: WE 9-0453

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HOUCKS MOBILE HOMES*
1649 E. Pleasant Valley Blvd.
WI 2-0209

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CAMP HILL MOBILE HOME SERVICE
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Phone: 761-1891

CHAMBERSBURG
SPIDEL'S OIL BURNER SERVICE
389 E. King St.
Phone: COLONY 3-1003

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209 Bridge Street
Phone: 765-7801
Area Code: 814

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168 Lincoln Highway
Telephone: Windsor 6-9530

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LEIGHNER SERVICE CENTER
3895 No. Front
Phone: 232-0572

HOMER CITY
STAKE'S MOBILE HOME & AUTO SALES
Old Route 119, North
R.D. #2
Phone: GR 9-2939 — Area Code 412

MARTINSBURG
HOOVER MOBILE HOMES
600 E. Allegheny, Route 164
Phone: 189

MIDDLETOWN
D & R MOBILE HOME SERVICE
Vine St. - Mounted Rt.
Phone: WH 4-6008 and WH 4-5797

NORRISTOWN
MOBILE HOME PARTS SERVICE CO.
14 West Mt. Kirk Avenue
BRoadway 9-7225

PENFIELD
MOBILE HOME SERVICE
RFD #1
Phone: 637-5839

PULASKI
FRANK'S TRAILER MART, INC.
R. D. 1
Phone: YO 4-2511

SAXONBURG
INTERNATIONAL OIL BURNER SERVICE
Flanders 2-1918

WILLIAMSPORT
TRAILER OWNERS SERVICE
616 Wilson Street
Phone: 322-2243 — Area Code 717

RHODE ISLAND

NORTH KINGSTON
VALLEY TRAILER REPAIR SERVICE
115 Sunnybrook Drive
Phone: Turner 4-5423

PAWTUCKET
H. McCAMBRIDGE
64 Kenyon Avenue
Phone: 722-3588

SOUTH CAROLINA

NO. AUGUSTA
SCHULTZ-HILL MOBILE HOMES
403 Jefferson Davis Hwy
Telephone: 822-1891 — Area Code 803

NORTH CHARLESTON
JACK WHEELER
5709 Judy Ave.
Phone: SH 7-8934

WEST COLUMBIA
WREN MOBILE HOMES
2119 Augusta Road
Phone: 803 794-4112

SOUTH DAKOTA

BRYANT
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LAKE PRESTON
PRESTON FURNITURE & APPLIANCE CO.
Phone: 847-4202

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719 North Main
Phone: 99-65477

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MR. WILLIAM HALEY
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Phone: 845-2760 — Area Code 605

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213 Dakota Avenue
5030 and 2375

PIERRE (Cont'd)
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Post Office Box 182
115 West Sioux Street
CAPITAL CITY TRAILER SALES
801 No. Euclid
Phone: 224-2689

RAPID CITY
ISEMAN CORPORATION
Box 1766, West Main Street
RAPID CITY TRAILER SALES*
3000 West Main
Fillmore 2-7380
TEDS TRAILER & TV SALES & SERV.
28 Omaha St.
Phone: Fillmore 2-0654

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NORTHERN HILLS MOBILE HOMES
Phone: 642-2554

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NASHVILLE
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2321 Dickerson Road
Phone: 255-9308

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DEAN TRAILER SALES*
Post Office Box 202
Phone: OWen 2-0126

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WILSON SUPPLY CO.
5309 NE 8th - Rt. 3, Box 860
DRake 4-7082

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Phone: 512 HI 2-3402

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Phone: TU 4-5758 — Area Code 512

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JOHNNY COATES MOBILE HOME SERVICE*
3201 Ft. Worth Ave.
Phone: WH 6-9242

EL PASO
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7910 Sheridan Road
Phone: SK 5-0854
VERNON A. TURNER
7800 Sherdian - Lot 39 - Box 230
Phone: SKyline 1-0581

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ED BEARDON
2920 Chesser - Boyer Rd.
Phone: TE 4-5800

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723 Venice Street
Telephone: TA 6-1602

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Phone: 838-7516 — Area Code 214

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MAC'S TRAILER REPAIR
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Phone: 322-6511 — Area Code 817

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KEN GARFF SALES, INC.
422 South Main
Phone: ALpine 3-4631

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INTERMOUNTAIN TRAILER COMPANY
3776 Wall Avenue - P. O. Box 1503
Phone: EX 4-3405-6

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ARV'S TRAILER REPAIR
P. O. Box 183
Phone: 394-7432

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Phone: 298-5547 — Area Code 801
TAGGIE'S MOTOR, TRAILER AND COACH SERVICE
854 South Main Street
Phones: 363-8033 — EM 4-8033

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ROLAND BRESSETTE MOBILE HOME SERVICE
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Phone: LA 4-2644 — Area Code 802

WEST BATTLEBORO
WILLIAMS MOBILE HOME REPAIR
R.F.D. #4
Hinesburg Road
Phone: 254-2546 — Area Code 802

VIRGINIA

CHESAPEAKE
MOBILE HOME SERVICE CENTER
1110 Military
Phone: 545-2312

EMPORIA
APPLIANCE SERVICE CO.
210 School St.
Phone: ME 4-2270

HARRISONBURG
TRAVEL TRAILERS OF VIRGINIA
2211 South Main Street
Harrisonburg, Virginia
Phone: 434-9676

WASHINGTON

MIDWAY
PROPANE SALES & SERVICE, INC.
22247 S. Pacific Hwy., P.O. Box 25
Phone: TA 4-1611

SEATTLE
HOLIDAY MOB. HOMES, INC.
19222 Aurora Ave. No.
Phone: LI 6-2227

WEST VIRGINIA

NITRO
NITRO HEATING & PLUMBING CO.
8116 Witry Bldg., 2nd Ave.
Phone: PL 5-4303

PARKERSBURG
THE PARKVUE MOBILE HOMES, INC.
1705 Blizzard Drive, South
Phone: 428-6193 — Area Code 304

WISCONSIN

FOND DU LAC
STEENBERG MOBILE HOMES
Highway 41 North
Phone: WA 2-9215

JANESVILLE
JACOB'S MOBILE HOME SERVICE
1630 Beloit Ave.
Phone: Pleasant 2-7441

KENOSHA
GLEN'S HEATING SERVICE
1606 53rd St.
Phone: OL 7-7633

LA CROSSE
MOBILE HOME SERVICE & SUPPLY, INC.
"On the Causeway"
Phone: 2-1669

MADISON
WISCONSIN MOBILE HOMES
4215 East Washington Avenue
Phone: 244-3028 & 233-5842

SCHOFIELD
J & D HOME SERVICE
281 Grand Ave.
Phone: FL 9-5540

SPARTA
MOBILE HOME SERVICE & SUPPLY
Phone: Sparta 3-4500

WAUNAKEE
PAUL'S MOBILE HOME SERVICE
Route #1, Box 29
Phone: Middleton, Wisconsin
836-4066

WYOMING

BIG PINEY
BUTANE POWER & EQUIPMENT CO.

CASPER
FAY PEBBLES TRAILER SALES
501 W. Yellowstone
Phone: 234-2505

CHEYENNE
MARV'S TRL. SUPPLY
Rt. 1, Box 138
Phone: 632-2222

RIVERTON
PURE GAS SERVICE COMPANY
Box 871
Phone: UL 6-3469

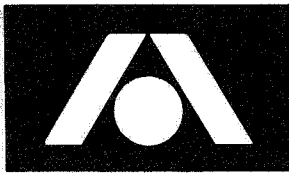
ROCK SPRINGS
ARNE OJA SERVICE
432 A Street

CANADA

AJAX, ONTARIO
MILLER HEATING SPECIALISTS
9 Tudor Street
Phone: 942-3491

NEW WESTMINSTER, BRITISH COLUMBIA
ARCADE TRAILER SERVICE
519 St. George Street
Phone: LA 1-5628

*These organizations have factory trained personnel.



ATWOOD BOWEN CO.

PHONE: 624-1555 • AREA CODE 313 • TWX-624-4562 • 49230 WEST FOURTEEN MILE • WIXOM, MICHIGAN 48096

8-1-65

CUSTOMER SERVICE
BULLETIN

SERVICE STATIONS

ALABAMA

- BESSEMER**
MOBILE HOME REPAIR & PARTS
5116 Bessemer Super Hwy.
Phone 425-2361 — Area Code 205
- BIRMINGHAM**
THE MOBILE HOME SERV. CO.
203 - 19th St., S.W.
Phone ST 6-2021
- FAIRHOPE**
DIALGAS, CORP.
P.O. Box 238
Phone WAverly 8-9068 — Area Code 205
8-2175
- HUNTSVILLE**
MOBILE HOME SERV. CO.
2900 S. Memorial Park Way
Phone 539-7244 — Area Code 205
- MOBILE**
AZALEA MOBILHOME SERV. & SUP.
Rt. 4, Box 528—J. R. Hobbs
GR 7-0688

ALASKA

- FAIRBANKS**
PETROLANE ALASKA GAS SERVICE, INC.
Box 2135
2319 Cushman Street
Phone: 456-4341

ARIZONA

- FLAGSTAFF**
BEN'S CORRAL TRAILER SUPPLIES & REPAIRS
Rt. 1, Box 959M
Hwy. 89 North
Telephone: 774-8453 — Area Code 602
- MESA**
COMPLETE TRAILER SERVICE*
940 East Main
WAITI MOBILE SERVICE
8201 East 4th Avenue
Phone: 985-2197
- PAGE**
PAGE SERVICE*
WI 5-2721
- PHOENIX**
AL MORROW TRAILER PARTS*
4600 E. Melvin B-31
Phone: BR 5-6527
JOHNNY'S TRAILER SERVICE*
3402 West Cypress
AP 8-9620
RAY SMITH TRAILER SERVICE*
101 North 32nd. Street
BR 5-2430
- TUCSON**
PAULSON'S REPAIR SERVICE & SALES*
246 West Glenn Street
MA 4-0065
TED WALKER TLR. HDQTRS., INC.*
2632 South Sixth Avenue
MAIN 3-2595

ARKANSAS

- BLITHEVILLE**
POOLE MOBILE HOME SERVICE
P. O. Box 1317
941 Division Street
Phone 501 POplar 3-8947
SAM'S SERVICE SHOP
409 W. Missouri
Phone POplar 3-7424 — Area Code 501
- FORT SMITH**
HAYES BROS. PLUMBING & HEATING CO.
2210 North "O" Street
Phone SU 2-5027 — Area Code 501
- JONESBORO**
BOB ALLISON TRAILER SALES
Highways No. 1 and 173
Phone: WE 2-4556
- LITTLE ROCK**
FRED & JACK TRAILER SALES
6600 Asher Avenue
Phone LO 5-2543

CALIFORNIA

- CLAREMONT**
JACK'S MOBILE HOME SERVICE & SUPPLIES
8256 N. Central Avenue
Phone: NA 6-0560 or YU 2-3943 — Area Code 714
- COMPTON**
GUS'S TRAILER SALES, INC.
12534 S. Atlantic Street
NEmark 8-6136
- GARDENA**
HILCO TRAILER REPAIR & MFG.
1039 W. Rosecrans
Phone DA 9-7363
- LAKEPORT**
MOBILE TRAILER SERVICE & SUPPLY
P. O. Box 416, Hwy. 29, South
Phone 263-5246, Area 707
- LA MESA**
HARDY'S FIX-IT SHOP
7285 University Ave.
HO 9-9681

- LOMPOC**
LOMPOC TRAILER CENTER
113 No. "G" St.
- LOS ANGELES**
WARD & SON, INC.*
5601 Valley Boulevard
CApital 5-2271
- PALM SPRINGS**
LARRY WILLIAMS TRAILER SERVICE
115 So. El Segundo
Phone FA 4-4918
- REDWOOD CITY**
DEONEL TLR. & HEATING SERVICE
736 Hurlingame Avenue
- WEST SACRAMENTO**
MOBILE SERVICE
507 Glide Avenue
Phone 371-5179
- SAN LEANDRO**
WALT HANSEN MOBILE HOME SERVICE
16543 Los Banos Street
Phone: 276-5740
- SANTA ANA**
FREDSON TRAILER SUPPLY
4526 W. Westminster
Phone JE 4-4767
- SANTA ROSA**
BEVINS AND BILD
2532 Santa Rosa
Phone: Liberty 2-6748
- STOCKTON**
LOWELL RATHE MOBILE HOME SALES
2101 E. Charter Way
Phone HO 5-2421
- SUNNYVALE**
A-1 TRAILER SUPPLY*
933 Kifer Road
Phone 245-6404

COLORADO

- AURORA**
AURORA TRAILER SUPPLY
1462 Iola
EMpire 6-8110
- BOULDER**
BOULDER TRAILER SERVICE
2475 30th St.
Phone HI 3-1096
- COLORADO SPRINGS**
THE PIKES PEAK TRAILER SUPPLY CO.
1729 South Nevada Avenue
Phone: 633-1476 — Area Code 303
- CORTEZ**
ROY BROWN
Box 758
LO 5-9775
- DENVER**
DENVER TRAILER SUPPLY*
1740 South Broadway
SHerman 4-1081
TRAILER LAND
5401 West Colfax Avenue
Phone 237-9591
- FORT COLLINS**
BORDEN'S TRAILER SUPPLY
1008 N. College Avenue
Phone: 482-8118
- GRAND JUNCTION**
MOBILE HOME SERVICE
1610 Bluegill Dr.
TRAILER HOUSE RENTALS AND SALES
2485 U. S. Hwy. 6
Phone CH 3-2018
- LOVELAND**
ELLIS MOTOR & TRAILER SALES*
1410 North Lincoln
NOrmandy 7-3236
- PUEBLO**
PUEBLO MOBILE HOME SERVICE
3015 Elizabeth
Phone LI 4-1823

CONNECTICUT

- EAST HARTFORD**
CALL'S MOBILE HOME SERVICE
877 E. Burnside
Phone: Bütler 9-3719
- EAST WINDSOR**
SKYLINE HOMES OF NEW ENGLAND*
Sta. No. 67—Rt. 5
JA 8-6054 or NA 3-0533
- WATERFORD**
LAMB'S MOBILE HOME SERVICE
34 Third Avenue
Phone 443-8543 — Area Code 203

DELAWARE

- NEW CASTLE**
S & S MOBILE HOME SUPPLY
241 So. Dupont Parkway
Phone EAST 8-2694

FLORIDA

- FT. LAUDERDALE**
PALM GAS & TLR. SUPP., INC.*
2190 Road 84
LU 3-6830

- FT. MYERS**
FT. MYERS TRAILER PARK*
3111 Cleveland
Phone WE 6-2359
- LEESBURG**
ABC TRAILER SALES
R.R. 3, Box 595
Phone 787-4206
- MIAMI**
APPLIANCE SERVICE & REPAIR CO.
2325 N.W. 27th Ave.
Phone: NE 5-3966
JERRY'S TRAVEL TRAILER SALES & SERVICE
2710 N. W. 36th St.
Phone 634-7648
- OCALA**
E. M. DE LONG
Route #1 - Box 310
Phone: 629-4377
- ORLANDO**
PAUL E. DRYANDER*
5475 S. Orange Blossom Trail
GArden 3-5648
- PALMETTO**
CARL E. BOWEN
3007 49th St., East
Phone 722-1982
- PENSACOLA**
ANDERSON TRAILER SALES, INC.
3825 Navy Boulevard
Phone: 455-0331 and 455-0332 — Area Code 305
KURT'S MOBILE HOME SUPPLY
927 No. Pace Blvd.
Phone HE 3-6326
- ST. PETERSBURG**
DARWIN GAS APPLIANCE SERVICE
2928 11th Ave. N.
Phone 829-2911
TYRONE PROPANE SERVICE*
4104 Park St. No.
- TAMPA**
PAUL'S MOBILE HOME SERVICE
13733 Nebraska Avenue
Phone 935-1904
- VENICE**
THOMAS TRAILER SERVICE
923 Nokomis Avenue
Phone: 488-4065 — Area Code 813

GEORGIA

- ATHENS**
SERVICE CO.
Box 883
Phone: 543-4829 — Area Code 404
- NORCROSS**
MOBILE HOME SERVICE, INC.
Route #1 — Highway 23
Phone: 766-7071
- WARNER ROBINS**
FLAMINGO MOBILE HOME SERVICE CENTER
Route #1, Box 48
Phone WA 3-1291

IDAHO

- BOISE**
ACE TRAILER REPAIR
2942 Chinden Blvd.
Phone 4-5171
WILSON HEATING SERVICE
2021 College Blvd.
Phone 2-3917
- POCATELLO**
HANDY SERVICE
4929 Yellowstone Avenue
Phone: 233-4929 — Area Code 208

ILLINOIS

- BLACKSTONE**
ECONOMY MOBILE HOME SERVICE
R.F.D. #1
Phone STreater 3-7513
- BLUE ISLAND**
ILLINOIS MOBILE HOME SUPPLY CO.
14225 So. Western Avenue
Phone 388-0008
- BOURBONNAIS**
BURCH'S TRAILER COURT & SALES
Route No. 54
Phone WE 2-6826 — WE 3-2465
- CASEVILLE**
MOBILE HOME SERVICE & SUPPLY CO.
Long and Ofallon Street
Phone 344-5000
- CENTRALIA**
DUKE TRANSPORTATION COMPANY
710 Wabash Avenue
Phone: 532-3688 — Area Code 618
- CHARLESTON**
HARPSTER'S COLES COUNTY GAS CO., INC.
617 N. State Street
Phone DI 5-3993
- DANVILLE**
DIXIE MOBILE HOMES, INC.*
2601 No. Vermillion St.
Hickory 2-0733

BEST IN ELECTRIC ☆ ☆ ☆ FIRST IN GAS ☆ ☆ ☆ FOREMOST IN SERVICE

Recommended Service Stations for BOWEN Water Heaters

OKLAHOMA (Cont'd)

OKLAHOMA CITY
CAPITOL MOBILE HOME SERVICES
5926 N.W. 39th
Phone: JA 4-3188
JACK'S MOBILE HOME SERVICE
1213 North Indiana
Phone Jackson 8-1638
PEMBERTON BROS. MOB. HOME SALES
Post Office Box 4571
Capital Hill Station
QUALITY MOBILE HOMES
7207 N.W. 39th Expressway
Phone WH 9-2409

TULSA
OKLAHOMA MOB. HOME SERV. & SUP.
3119 E. Admiral Place
Phone WE 9-0453

PENNSYLVANIA

ALTOONA
HOUCKS MOBILE HOMES*
1649 E. Pleasant Valley Blvd.
WI 2-0209

CAMP HILL
CAMP HILL MOBILE HOME SERVICE
107 St. John's Church Road
Phone: 761-1891

CHAMBERSBURG
SPIDEL'S OIL BURNER SERVICE
389 E. King St.
Phone COLony 3-1003

CLEARFIELD
F. W. WISE GAS CO., INC.*
209 Bridge Street
Phone: 765-7801
Area Code: 814

FAIRLESS HILLS
BRIEN'S TRAILER SALES
168 Lincoln Highway
Telephone: WIndsor 6-9530

HARRISBURG
LEIGHNER SERVICE CENTER
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Phone 232-0572

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Phone YO 4-2511

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Phone SH 7-8934

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Phone 803 794-4112

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Phone 847-4202

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Phone: 99-65477

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P. O. Box 47
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5030 and 2375

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CAPITAL CITY TRAILER SALES
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Phone 224-2689

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Fillmore 2-7380
TEDS TRAILER & TV SALES & SERV.
28 Omaha St.
Phone Fillmore 2-0654

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Phone 255-9308

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DRake 4-7082

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Area Code 713

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Phone: 893-4809 — Area Code 915

CORPUS CHRISTI
E. L. MURRAY'S APPLIANCE REPAIR
5402 Highway 9
Phone: TU 4-5758 — Area Code 512

DALLAS
DALLAS HOUSE TLR. SERV. & PARTS*
1321 Fort Worth Avenue
RI 7-0112
JOHNNY COATES MOBILE
HOME SERVICE*
3201 Ft. Worth Ave.
Phone WH 6-9242

EL PASO
BILL'S MOBILE HOME PARTS & SERVICE
7910 Sheridan Road
Phone SK 5-0854
VERNON A. TURNER
7800 Sheridan - Lot 39 - Box 230
Phone: SKYline 1-0581

FT. WORTH
ED BEARDON
2920 Chesser - Boyer Rd.
Phone TE 4-5800

HOUSTON
UNIVERSAL MOBILE HOME SERVICE
2412 South Wayside Drive
Phone WA 3-5535

KILLEEN
SAS MOBILE HOME REPAIR
922 W. Hiway 190
Phone: ME 4-7084 — Area Code 817

LUBBOCK
KEN'S MOB. HOUSE HEATING SERV.
4504 - 43rd St., Box 5151
Phone SW 9-5925

SAN ANGELO
LEE SARGENT APPLIANCE REPAIR
829 East 17th
Phone: 653-6132 — Area Code 915

SAN ANTONIO
STATE MOBILE HOME REPAIR
723 Venice Street
Telephone: TA 6-1602

TEXARKANA
POSEY TRAILER SALES
Rt. 6, Box 179
Phone: 838-7516 — Area Code 214

WICHITA FALLS
MAC'S TRAILER REPAIR
2418 Sheppard Access Road
Phone 322-6511 — Area Code 817

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KEN GARFF SALES, INC.
422 South Main
Phone Alpine 3-4631

OGDEN
INTERMOUNTAIN TRAILER COMPANY
3776 Wall Avenue - P. O. Box 1503
Phone: EX 4-3405-6

ROY
ARV'S TRAILER REPAIR
P. O. Box 183
Phone: 394-7432

SALT LAKE CITY
FOUR STATES SERVICE CO.
4061 West 5540 South
Phone 298-5547 — Area Code 801
TAGGE'S MOTOR, TRAILER AND COACH SERVICE
854 South Main Street
Phones: 363-8033 — EM 4-8033

VERMONT

ST. ALBANS
ROLAND BRESSETTE MOBILE HOME SERVICE
R.D. #2
Phone LA 4-2644 — Area Code 802

WEST BRATTLEBORO
WILLIAMS MOBILE HOME REPAIR
R.F.D. #4
Hinesburg Road
Phone: 254-2546 — Area Code 802

VIRGINIA

CHESAPEAKE
MOBILE HOME SERVICE CENTER
1110 Military
Phone 545-2312

EMPORIA
APPLIANCE SERVICE CO.
210 School St.
Phone ME 4-2270

HARRISONBURG
TRAVEL TRAILERS OF VIRGINIA
2211 South Main Street
Harrisonburg, Virginia
Phone: 434-9676

WASHINGTON

MIDWAY
PROPANE SALES & SERVICE, INC.
22247 S. Pacific Hwy., P.O. Box 25
Phone TA 4-1611

SEATTLE
HOLIDAY MOB. HOMES, INC.
19222 Aurora Ave. No.
Phone LI 6-2227

WEST VIRGINIA

NITRO
NITRO HEATING & PLUMBING CO.
B116 Witry Bldg., 2nd Ave.
Phone PL 5-4303

PARKERSBURG
THE PARKVUE MOBILE HOMES, INC.
1705 Blizzard Drive, South
Phone: 428-6193 — Area Code 304

WISCONSIN

FOND DU LAC
STEENBERG MOBILE HOMES
Highway 41 North
Phone WA 2-9215

JANESVILLE
JACOB'S MOBILE HOME SERVICE
1630 Beloit Ave.
Phone Pleasant 2-7441

KENOSHA
GLEN'S HEATING SERVICE
1606 53rd St.
Phone OL 7-7633

LA CROSSE
MOBILE HOME SERVICE & SUPPLY, INC.
"On the Causeway"
Phone: 2-1669

MADISON
WISCONSIN MOBILE HOMES
4215 East Washington Avenue
Phone: 244-3028 & 233-5842

SCHOFIELD
J & D HOME SERVICE
281 Grand Ave.
Phone: FL 9-5540

SPARTA
MOBILE HOME SERVICE & SUPPLY
Phone Sparta 3-4500

WAUNAKEE
PAUL'S MOBILE HOME SERVICE
Route #1, Box 29
Phone Middleton, Wisconsin
836-4066

WYOMING

BIG PINEY
BUTANE POWER & EQUIPMENT CO.

CASPER
FAY PEEBLES TRAILER SALES
501 W. Yellowstone
Phone 234-2505

CHEYENNE
MARV'S TRL. SUPPLY
Rt. 1, Box 138
Phone 632-2222

RIVERTON
PURE GAS SERVICE COMPANY
Box 871
Phone UL 6-3469

ROCK SPRINGS
ARNE OJA SERVICE
432 A Street

CANADA

AJAX, ONTARIO
MILLER HEATING SPECIALISTS
9 Tudor Street
Phone 942-3491

NEW WESTMINSTER, BRITISH COLUMBIA
ARCADE TRAILER SERVICE
519 St. George Street
Phone: LA 1-5628

*These organizations have factory trained personnel.

CHAPTER 11

THE ELECTRICAL SYSTEM IN YOUR AIRSTREAM

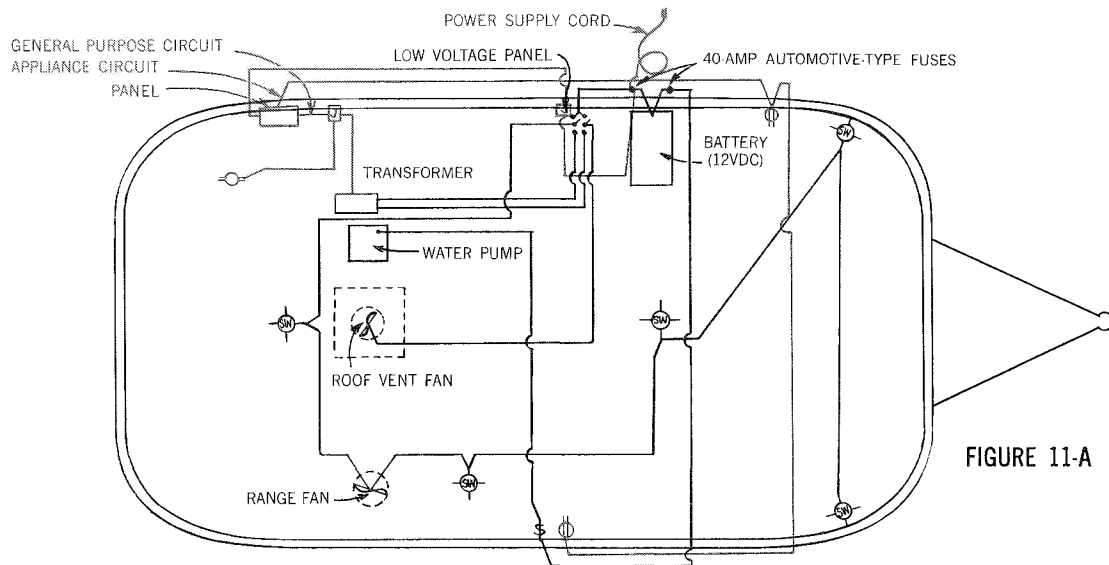


FIGURE 11-A

Your Airstream is equipped with the latest development in trailer electrical systems... the exclusive Airstream UNI-VOLT system. The lights and appliances... even the vent fan and water pump operate from the self-contained battery power without outside hook-up. At a flick of the two master switches when you are hooked up to city power, everything operates automatically on the 110-115 volt AC current. The UNI-VOLT system is made possible through the use of new 12-volt marine light bulbs that give the same light you would expect from regular household bulbs, and a special 2-circuit transformer. Additional 110-115 volt AC convenience outlets are provided for operation of appliances such as TV, etc., when hooked up to city power. A wiring diagram of your Airstream is shown above.

The battery in your Airstream is a Delco which is warranted for 24 months. For service or replacement, go to any service station or dealer displaying the Delco sign, or look in the classified section of your telephone directory.

As you drive, the battery in your trailer is under constant charge by your car's generator. The battery, your car's wiring and your Airstream's wiring are protected by a series of automatic circuit breakers which trip when a short or current surge occurs and go back into operation automatically when the trouble is corrected.

When you are operating your trailer on 110-115 volt city current, the wiring is protected by circuit breakers located in the panel behind the wardrobe. The low-voltage wiring is protected by automatic circuit break-

ers. The battery circuit is protected by two heavy duty automotive-type 40-amp fuses.

WHEN YOU ARE OPERATING YOUR AIRSTREAM SELF-CONTAINED

All that is necessary to operate the UNI-VOLT system on battery power is to:

1. Throw both switches in the trunk compartment to the "Battery Power" position.
2. Store power supply cable in the storage compartment.

All 110-volt convenience outlets will now be inoperable.

TO OPERATE WITH CITY POWER

To operate the UNI-VOLT system in your Airstream trailer from 110-115 volt AC city power, the procedure to follow is:

1. Throw switches in the trunk compartment to the "City Power" position.
2. Pull power supply cable out of the storage compartment and plug into city power.

NOTE: Be sure polarity indicator light (located on top of main panel) is off when power supply cable is plugged in.

As long as you are hooked into electrical service that

accepts the three-prong grounded plug, you should not have a problem with polarity. However, in older parks and many other locations you will not be able to tie into three wire grounded service. In this event follow this procedure:

- a. Attach the three-prong plug on your trailer power supply cable to a two-prong adapter. The third conductor line from the adapter has a ground lug. This is your ground line.
- b. Clamp ground line to junction box or other ground such as a water pipe, then insert two-prong plug into the receptacle.

- c. After cord has been connected look at the switch panel in the electrical service center. If the neon light is glowing, pull out the plug, turn over and reinsert. The neon lamp will now be out and the polarity will be correct. Your Airstream electrical system is grounded.

It is necessary to ground the service coming into your Airstream to prevent a possible shock to anyone touching your trailer.

NOTE: Always make certain that the trailer park service is 110-115 volt, not 220V.

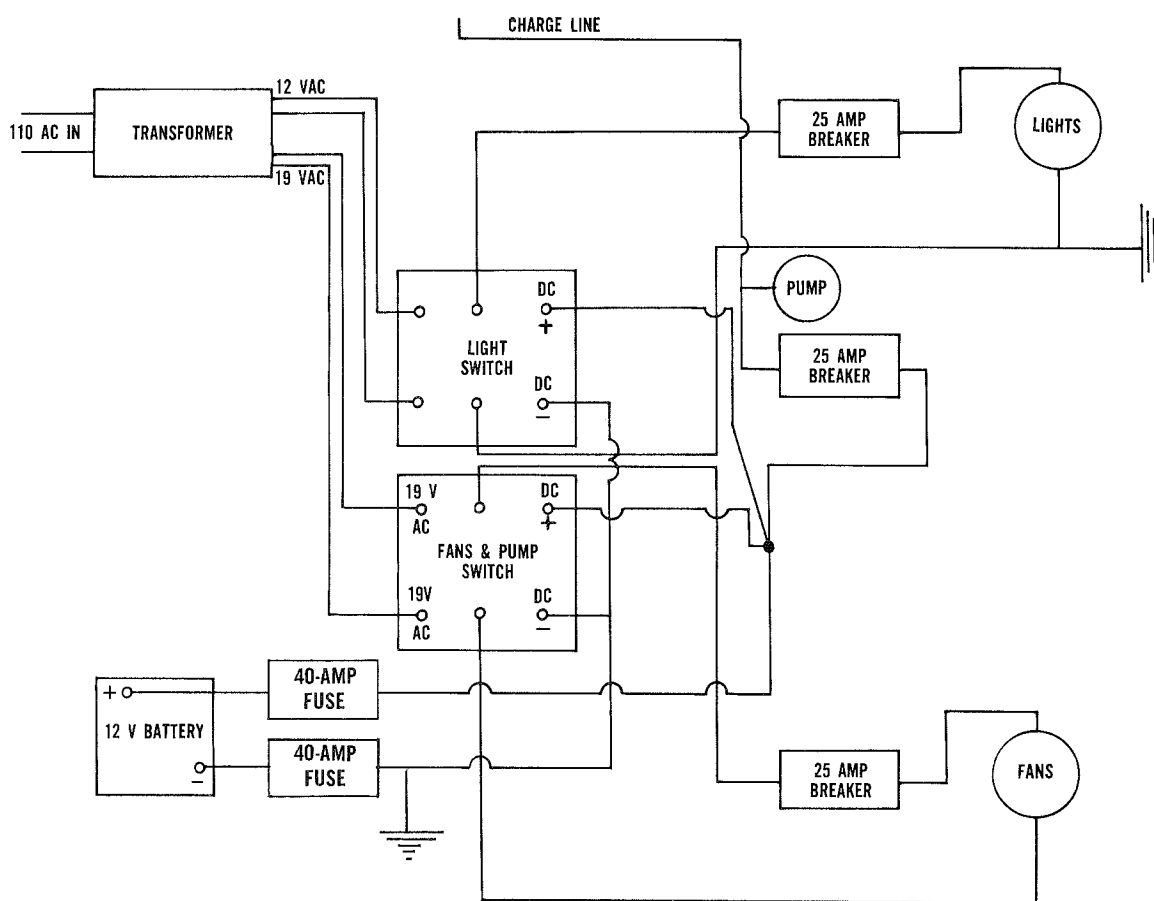


FIGURE 11-B

CHAPTER 12

THE WATER SYSTEM

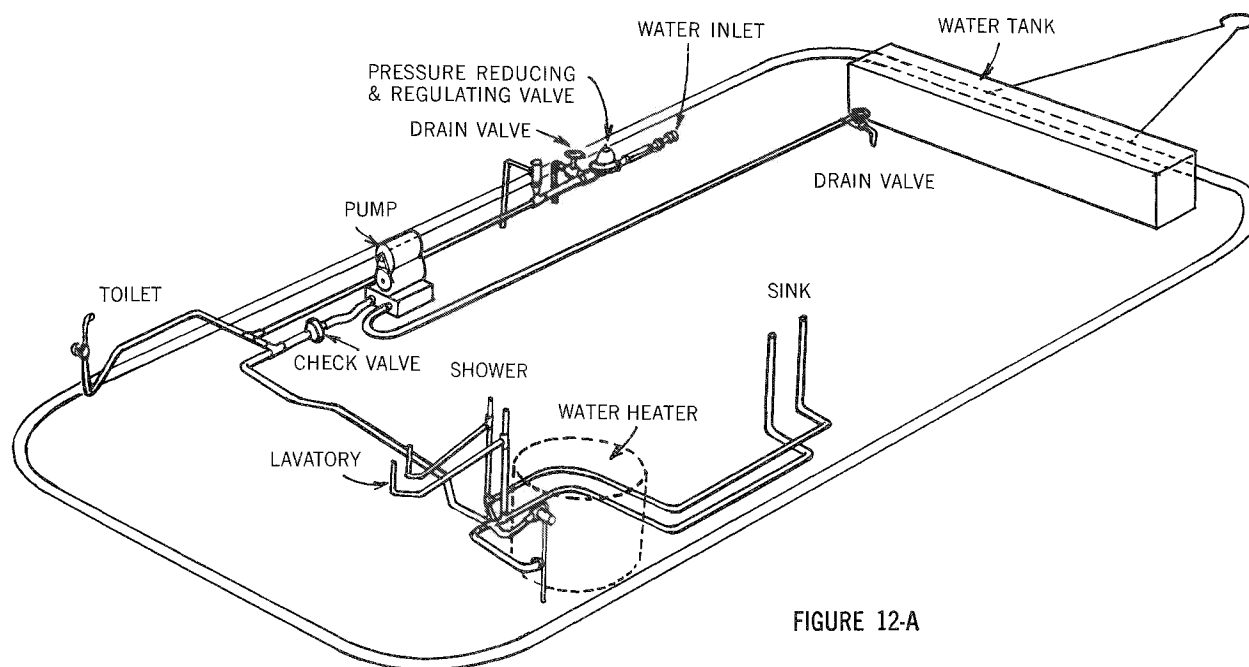


FIGURE 12-A

The water system in your Airstream trailer provides full service both when city water is available and when the trailer is operated completely self-contained.

When you are operating your water system from a city water service, connect a hose to the water entry fitting located on the left side of the trailer. Since the system is completely automatic, nothing else needs to be done before you utilize the entire water system, except to turn the switch on the water pump to the "Off" position.

If the water system has previously been drained it will be necessary for you to force the air from the water heater before lighting the water heater. Open a hot water faucet and allow all of the air to be forced through. If you plan to remain for some time where city water is available, drain the water storage tank and refill with fresh water before departing. Your system has check valves in the water lines to protect the water tank and, therefore *will not fill* while you are connected to city water.

If city water is not available, or will not be available at your destination, the Airstream self-contained water system may be used. The lightweight polyethylene water tank stores 30 gallons of tasteless, odorless, clean fresh water for all your needs. The new Airstream pressure-demand water pump runs whenever a faucet is open and shuts off almost immediately when the

faucet is closed; silently delivering 4.3 gallons per minute under constant pressure. To fill the water storage tank, remove the filler cap and fill the tank with a water hose or bucket. The tank may be filled until the water entry pipe is overflowing. Replace the cap . . . the water system is now ready for use. Remember, if you have been hooked up to city water your tank *will not* have been filled so be sure to fill it before leaving. If the hot water tank was completely empty it must be refilled before lighting by opening a hot water faucet and waiting until water comes out the faucet.

The Airstream pressure-demand water pump is located under the bed on the left side of the trailer. The only thing necessary to operate it is to turn the switch located at the top left part of the pump to the "On" position, and to turn the switch above the galley to the "On" position. Note: before leaving your Airstream unattended for any length of time, it is advisable to turn off the water pump at the galley switch.

Due to iron and lime deposits which are found in various parts of the country, it is advisable to clean the tank occasionally. Pour some bicarbonate of soda into the filler pipe with several gallons of water and allow to stand for several hours. Flush out by opening the drain cock and running cold water through the tank.

Among the many fine accessories for an Airstream trailer is the Ogden Water Purifier at your galley sink. This remarkable unit is a complete water purification system that will provide crystal clear, good tasting and pure drinking and cooking water wherever you travel. It effectively removes all chlorine, organic odors, taste and harmful bacteria.

It will be necessary to change the pack in your Ogden water purifier periodically with a type "SM" replacement pack. These are available from your dealer, or accessory store. Instructions for changing the pack are in each box. It is a good idea to order packs two at a time so that you will always have a spare on hand.

Your Airstream is equipped with a water pressure regulator. This is an exclusive feature which protects the plumbing inside your Airstream from possibly excessive pressures which may be encountered in city water systems. The water pressure regulator insures that regardless of variations in the city water pressure, the water pressure at the faucets in your Airstream will always remain constant. If it should ever become necessary to adjust the water pressure regulator there is a screw adjustment located on the dome (see Figure 12-A). Turning this screw clockwise increases pressure — counter clockwise decreases pressure.

TROUBLE SHOOTING

Trouble — Pump does not prime

- a. Be sure there is water in the tank.
- b. Make certain battery power has not been exhausted.
- c. Check valve assemblies to make certain no foreign matter is between the valve and valve seat causing loss of suction. This is done as follows:
 1. Remove four slotted head screws (see Figure 12-B).
 2. Lift motor, drive, and diaphragm assembly off base.
 3. Lift valve assemblies from pockets and clean all foreign matter from valve and valve seat.
 4. Replace valve assemblies back in the same pockets, being sure rubber valve is in UP on INTAKE SIDE and DOWN on EXHAUST SIDE.
 5. Replace top assembly and bolt back together, being careful to tighten evenly.

Trouble — Pressure drops and pump kicks on periodically when water is not being drawn

- a. Check all connections and faucets for leaks.

One drop of water per minute will cause the pump to run every two hours.

- b. Same as C above.

Trouble — Pump operation is rough and makes excessive noise

- a. After several months of operation, under certain conditions, the flow of the pump may become rough. If this happens the flow may be smoothed out again as follows: turn pump off, close inlet, open outlet, and with an air pump force air into system through the snifter valve (located at the rear of the unit on the intake side) until air comes from the outlet. Recap snifter, open intake and restart unit. Periodic attention should be given to snifter valve to see that valve core works freely and the hole in cover is kept open.

Trouble — Pump runs frequently or constantly and there is no leak in the pressure side

- a. Check for an air leak on the suction side of the pump (between the tank and the pump). This will not damage the pump but will run the battery down.

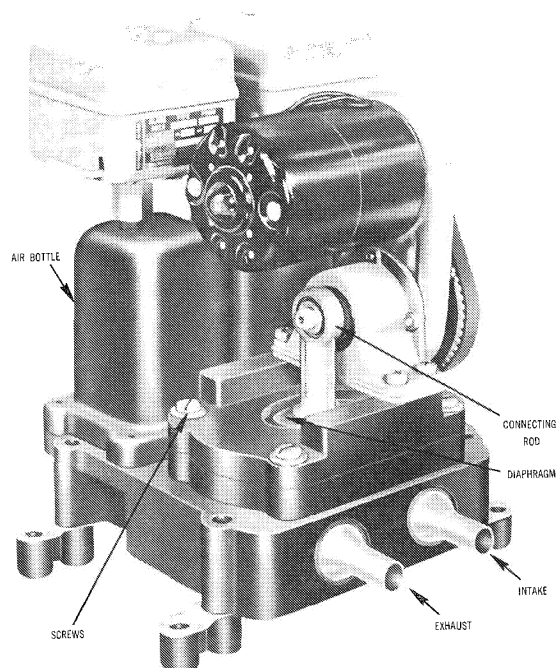


FIGURE 12-B

THE SEWAGE AND WASTE DISPOSAL SYSTEM IN YOUR AIRSTREAM

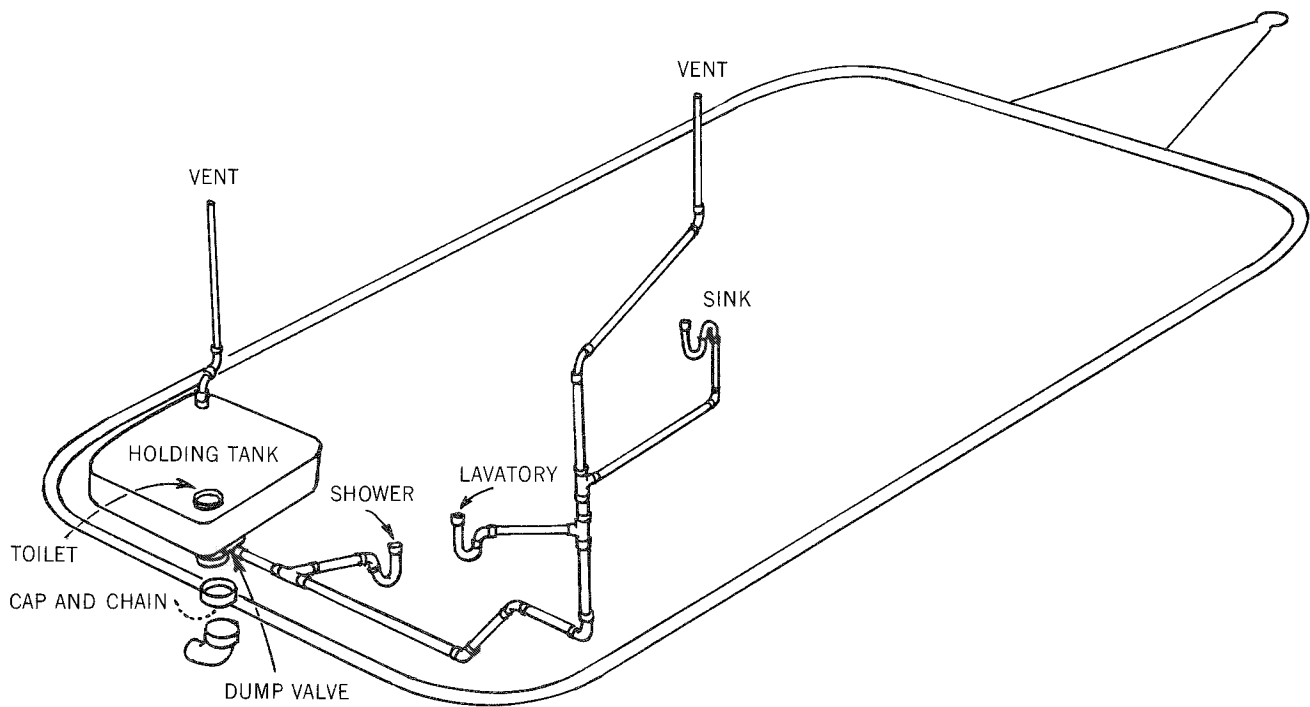


FIGURE 13-A

Your Airstream is equipped with a waste holding tank for sewage which permits use of the toilet for several days away from disposal facilities. The waste water from the sink, the shower, bath and lavatory all drain through the same outlet as the waste tank so you will need to make only one connection when hooking up in a trailer park. The diagram above shows the waste water disposal and waste holding tank in your Airstream.

The waste holding tank is made of seamless molded plastic, completely free from corrosion problems, with a specially designed dump valve for trouble-free operation. The best procedure for use of the waste holding tank when hooked-up to a sewer connection is to **keep the dump valve closed** and use plenty of water when flushing. This will prevent paper and waste material from building up at the valve causing the valve to close improperly and to leak.

When the toilet will no longer drain, the tank is full and must be emptied... watch this closely because when the tank is full the sewage cannot be emptied from the toilet bowl. To empty tank, attach sewer hose by pressing the fitting on the outlet and rotating until it feels solid and secure. Attach the outlet end of the hose to the sewage outlet making certain that the hose

is positioned so that it will drain completely. Pull the dump valve handle up as far as it will go and wait until the tank is drained. Refill the tank with 5-10 gallons of clean water and repeat the operation to insure that all paper and waste material has been flushed out. Close valve.

If you are moving on, place a small amount of clean water in your tank with some commercial cleaner such as TST so that it will slosh around and clean the tank while you are driving. The dump valve handle is equipped with a wire hold-down bail for positive protection against accidental release of the tank valve while driving.

USING A "GOPHER HOLE"

When you are parking in areas where it is permissible to do so, you may dig a "gopher hole" to dispose of the contents of your waste holding tank. To dig a gopher hole:

Dig a deep hole keeping the dirt you dig out in a large carton or box under your trailer. After the hole is dug, back your trailer up so that the toilet drain hose will drop straight down into the hole and so that the hole will not be where anyone could step into it by mistake. It is strongly rec-

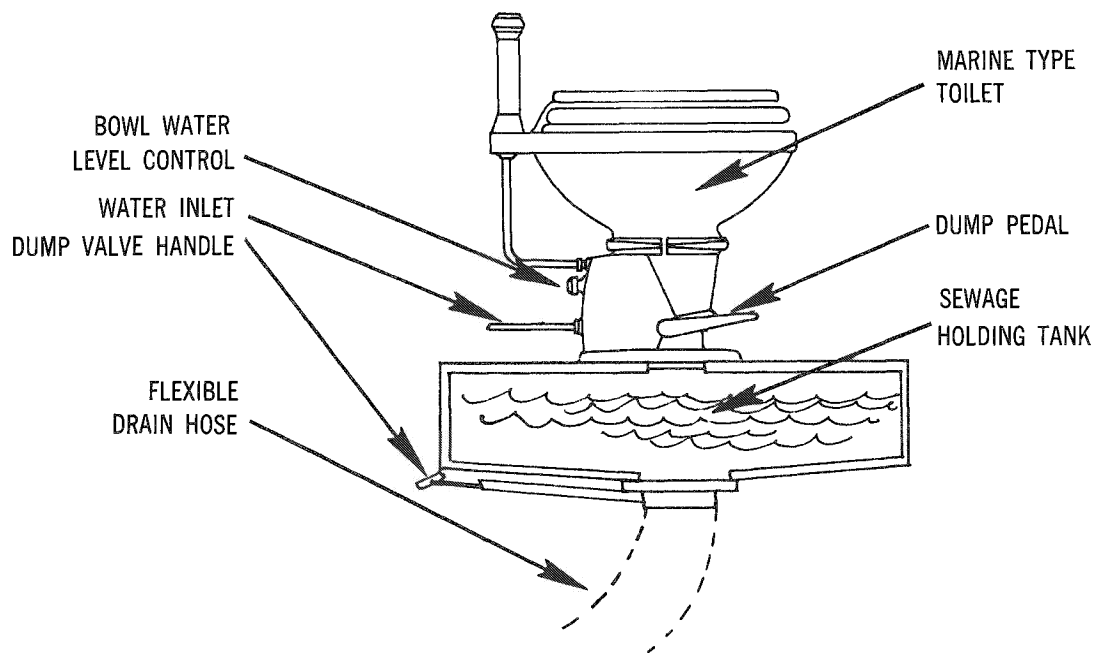


FIGURE 13-B

ommended that you use an Airstream “gopher hole” cover . . . a plate which will cover the hole completely and that you can seal by piling some dirt around the edges (the hole in the plate will be just large enough to take the sealing ring you usually use to seal your sewer hose where it enters the trailer park sewage system.). Drain your holding tank the night before you leave; the ground

will absorb most of the contents overnight and it will be much easier to fill in just prior to departure next morning. This will also enable you to dump your wash water in the gopher hole next morning.

Beware that rain surface runoff water does not drain into your gopher hole and cause overflow. Mound some dirt around the hole to avert this.

SUPPLEMENT

BAY-BREEZE AIR CONDITIONER

If you have elected to include an air conditioner among your optional accessories, you will find your Armstrong "Bay Breeze" unit a reliable and comforting piece of equipment.

Attention to a few maintenance details will help assure you the best service from your air conditioner. The following are items you may want to handle yourself, since they require no special tools or training.

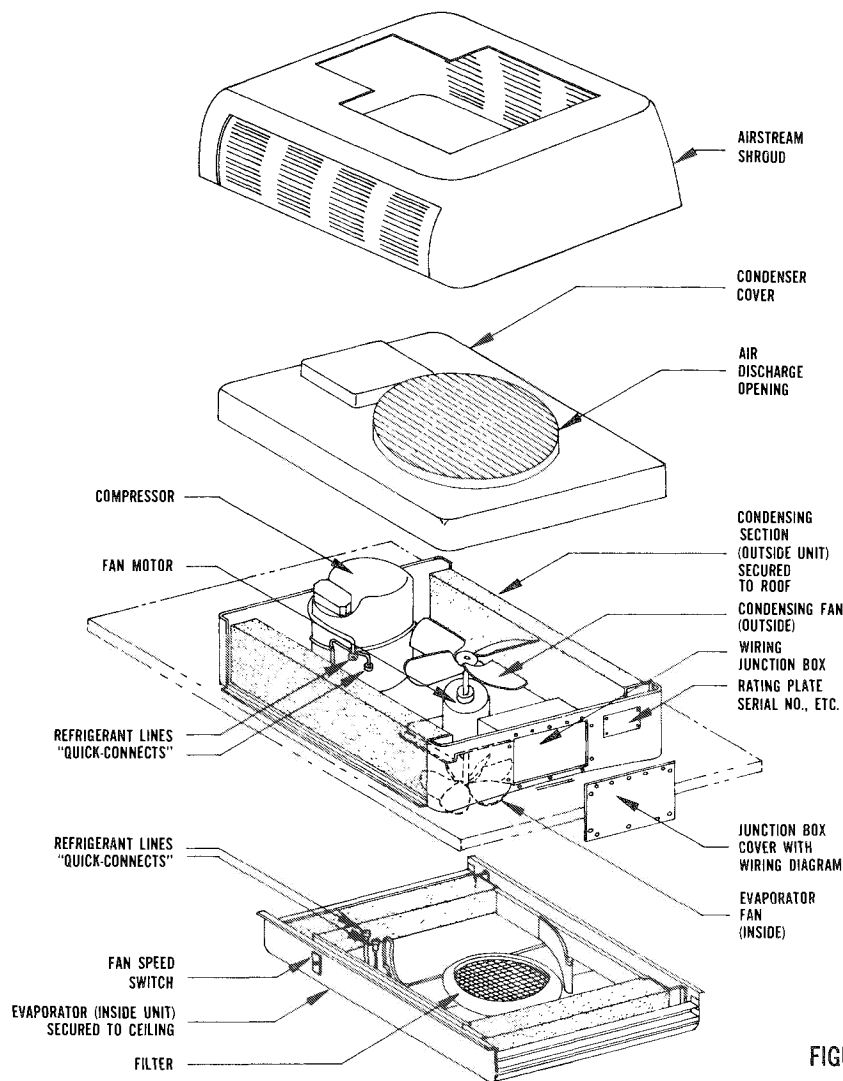
1. Clean the air filter regularly (see procedures on operating instruction sticker). Never operate the air conditioner without the air filter in place.
2. Keep evaporator coils clean. These are the inside unit cooling coils. The evaporator coil may be inspected by removing the air filter and looking at the inside of the coil with a flashlight. For a complete inspection it may be necessary to remove the evaporator fan. If the passages between the fins are plugged, carefully brush down the inner surface with a fiber brush or cloth to remove surface lint, taking care not to flatten or damage the fins. If clogged in depth, it may be necessary to have the coils steam-cleaned.
3. If the evaporator drain tubes show any indication of being plugged (such as overflow of condensate) disconnect the plastic drain hose from drain fittings in the side of the evaporator by pouring hot water over the tubing to soften it. Run a wire or tool through the drain fitting to clean out any accumulation of lint and blow through the tubing to make sure it is open. It may be necessary to run a wire (with the end protected) through to open it up. Water may then be poured through to flush out the tubing.
4. Keep the shroud louvers (the openings in the cover over the outside unit) and the condenser coils inside the shroud clean at all times. Brush off any accumulation of leaves, tree seeds, etc. If in looking through the shroud louvers it appears that there is foreign matter on the outer coil surfaces, remove the shroud and carefully brush off the fins. If they are clogged in depth, remove the condensing unit top by removing the four #10 x 1/2" S.M. screws in the corners. The coil may be flushed out from the inside by using a hose. If it is extremely dirty, steam-cleaning may be required. When replacing the condensing unit top, make sure the front and rear vertical panels are engaged by the slip joints in the lower edges of the top.
5. The fan motor is factory-lubricated for about five years of normal service. After that time it should be re-oiled. To lubricate — remove the evaporator fan blade, the shroud, the condensing unit top and the condenser fan blade. Remove the nuts holding the motor bracket in place and lift motor and bracket into a horizontal position. This can be done without disconnecting any wiring. Remove the hexhead screw installed in a radial direction in each end casting and add #10 or #20 non-detergent motor oil, *not household oil*. Add a few drops at a time and allow to soak in until the reservoirs are full. Reinstall the screws. Wipe off any excess and reinstall motor and fans. The hubs of the fans go flush with the ends of the shaft. When replacing the condensing unit top, make sure front and back vertical panels are engaged by the slip joints in the lower front and rear edges of the top.

TROUBLE SHOOTING

Unit does not run — neither fan nor compressor. Check electric power to make sure the main switch is on and the time delay fuse is good. It is sometimes difficult to tell by appearance if the fuse is good, so replacement is an easy check. Use 115-volt 15-amp. time delay fuses (Fusetron, Fusestat, etc.). Be sure switch on side of unit is on "Hi" or "Lo" position, not in center.

Fan runs but compressor does not run. Set thermostat to temperature below room temperature. Thermostat contacts may be dirty. Run a hard-finished calling card or a dollar bill between the contacts to clean them. Never use an abrasive such as a file or sandpaper.

Fan runs, compressor does not run but attempts to start periodically and then shuts down. Check voltage at "load" side of main switch. The compressor is intended to operate on 115-volt 60-cycle current. If voltage is under 105 volts, it is doubtful if the unit will



LOCATION OF THE DRAIN FITTING IS OPTIONAL, AND VARIES WITH THE TRAILER MODEL

FIGURE 1-C

start and it may shorten the life of the compressor motor if it does run at reduced voltages.

Fan runs, compressor tries to start two or three times before it finally runs. The toggle switch has probably not switched fast enough from "Hi" to "Lo," or "Lo" to "Hi" and the compressor stopped when going through the "OFF" position, or the thermostat was pushed up and then immediately down again. This is not an abnormal condition. The compressor will not start until it has been off three minutes or longer. The normal thermostat cycles will provide for this. If it is started before this time, the internal overload protector will shut the current off and protect the compressor. It is possible, while the compressor is trying to start under the above conditions, to blow the main time delay fuse, particularly in hot weather. It is best, when the unit attempts to start and does not, to shut the unit off at the toggle switch or by pushing the thermostat setting up for a period of three to five min-

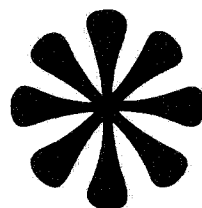
utes before restarting.

Evaporator or cooling coils collect ice. This can be caused by:

1. A dirty filter.
2. Operating with the directional louvers at the evaporator outlets closed too much.
3. Dirty evaporator coils.
4. Operating on low fan speed partially under the above conditions.
5. Maintaining too low a temperature in the trailer.

To de-ice, set thermostat to a high temperature reading, open a door or window to raise temperature and operate air conditioner fan at the "Hi" setting.

For operating troubles not described above, it is suggested that the nearest Airstream factory service center or authorized Airstream dealer be contacted.



**MAINTAINING
YOUR
AIRSTREAM**

EXTERIOR MAINTENANCE ON YOUR AIRSTREAM

To keep your Airstream looking like new, it is important to keep the aluminum surface clean. Oils, greases, dust and dirt can be removed by washing with any mild non-abrasive soap or detergent such as those found around the house or those recommended for washing automotive finishes. (Automatic dishwasher detergents generally are too strong and should not be used). Under no circumstances should you attempt to use any of the acid etch cleaners that are available on the market as trailer cleaners. These are very dangerous for an amateur to use and, unless carefully handled, can be harmful to both the user and the trailer.

Cleaning solutions are best applied with a large sponge, soft cotton cloth or with a soft-to-medium bristle brush for stubborn spots. Cleaning should be followed by rinsing with clear water, taking care to rinse all detergent from cracks, grooves and crevices. Best results will be obtained by drying the surface with a chamois or soft cloth to prevent spotting or streaking. Always be careful to clean your Airstream in the shade or on a cloudy day and that the aluminum skin is not hot.

After cleaning and drying, a good grade of non-abrasive automotive paste or liquid wax will greatly increase the life of the finish, maintain a uniform overall appearance, protect the finish from minor scratches and abrasions, and make later cleaning and maintenance less frequent, less time consuming and less expensive.

Wax coatings should normally be applied every three to six months. They are best applied by hand but a soft, light-pressure mechanical buffer can be used if great caution is taken. Even non-abrasive waxes may cause surface marks if heavily buffed with high-pressure mechanical buffing equipment. The life of the wax coating is dependent on the degree and severity of exposure and maintenance between waxings. To get the longest life from wax coatings, excess grime and soil should be washed as often as needed with clean, cool water and the surface dried with a damp chamois or cloth. A protective wax coating is particularly important in seaboard localities where the finish is exposed to salt air, and in industrial areas where the finish is exposed to industrial waste fallout.

It is important to remove sap, seeds, gum and resin as soon as possible after they appear by washing and rewaxing. Sunlight and time will bake harden these

materials so they may become ingrained into the actual finish of the aluminum, making them almost impossible to remove without heavy buffing.

If your trailer becomes exposed to unusually severe and corrosive atmospheric or service conditions, or has received improper or little maintenance, the aluminum may oxidize. This oxidization appears either visibly, as a white powder in very small granules, or can be felt as a roughness on the surface. To clean your Airstream trailer after oxidization has taken place, the following procedure is recommended:

1. Wash your trailer with a good detergent using moderately hot water. Remove all dirt, mud and as much of the road asphalt as possible. If asphalt remains on the trailer after washing, use a small amount of kerosene on a rag and wipe the spots individually, being careful not to scratch the aluminum.
2. Use a ready made aluminum cleaning preparation such as those designed for use on aircraft. One that has been found to be satisfactory is **Met-All**. Use a fairly large, soft cloth spread with some Met-All and rub lengthwise on the trailer or parallel with the grain of the aluminum (you will be able to determine the grain of the aluminum by looking closely at each panel). Do one complete sheet or section at a time.
3. Continue to rub the Met-All paste on the sheet after it has picked up a black color, which indicates that oxidization is being removed. Do not allow the rag to become caked or hard. Use either a clean rag or keep turning the rag as long as it is usable. When a cake of oxidized aluminum paste develops it is possible, with continued rubbing, to scratch the metal surface.
4. After completing the instructions under paragraph 3, use a soft, clean cloth that has been dusted with ordinary white wheat flour and buff off by hand the excess material that has been left on the sheet. (For extremely tough jobs it may be necessary to do a complete job twice, except that the second time it is not necessary to wash the trailer with detergent).
5. The use of a buffer is *not* recommended except in the hands of a thoroughly experienced person (if not expertly used, the buffer will leave

a pattern on the aluminum surface.)

Glass Wax (made by Johnson) has been found to be very useful in removing the last marks made in rubbing off the oxidization. After it is thoroughly clean, the entire surface should be rewaxed.

If your Airstream has been protected by the optional lacquer finish applied at the factory, it will have on it an impervious film which should afford years of satisfactory service. As with any high quality finish, however, damage may occur if strong solvents or abrasive cleaners are used to remove road stains such as asphalt or insects. If use of solvents is necessary to remove these materials, the areas affected should be wiped with a good grade lacquer finish and touched up with

a spray bomb of clear acrylic lacquer. If through the years the protective lacquer film is removed in extensive areas due to abrasion or highly corrosive atmospheres, a non uniform appearance may result due to the differential oxidization of the underlying aluminum. Under these circumstances it is best to remove all lacquer with a good grade lacquer solvent and repolish the entire trailer.

Special care should be directed to the exposed portion of the trailer frame, where it extends to the bumper at the rear. This should be protected from oxidation with a coat of aluminum paint at least once a year, and twice a year in a salt-air atmosphere.

CHAPTER 15

INTERIOR MAINTENANCE

The interior of your Airstream is designed to be as trouble- and maintenance-free as is possible. Following these tips will help maintain the interior of your Airstream sparkling new:

INTERIOR WALL FINISH

The interior finish of the "International" series of Airstreams is of vinyl; the "Land Yacht" series is finished in Zolatone plastic, except for the roof locker doors. These are finished in vinyl in both series.

An occasional washing with mild soap is all that is ever necessary to maintain the Zolatone finish. Although soaps will not harm it, avoid using detergents, as they can cause it to dry and flake.

Vinyl is best cleaned with a liberal application of suds from a mild household detergent such as Tide, with a small amount of bleach (Clorox, for example) added to the water. A damp bristle brush can be used for scrubbing to loosen and remove the soil. The surface should lastly be rinsed with clear water and wiped dry.

Note: use of kerosene, naphtha, carbon tetrachloride, lighter fluid, Energene, etc. should be avoided. They can cause damage to the vinyl. Abrasives should also be avoided, as they can wear off the print on unprotected surfaces and dull the lustre.

INTERIOR WOODWORK

To increase the beauty and add to the durability of the wood, hand rub with Watco oil and a soft cloth two or three times a year. For the best appearance, do not use lacquer, varnish, or wax. If the wood becomes water-stained, rub the stain out with a soft

cloth and Watco oil; for scratches, sand the surface and apply the oil. You will find Watco oil available at Wally Byam stores.

FLOORS

Vinyl asbestos floor tile (in Land Yacht) and vinyl tile (International) should be cleaned with warm water and detergent, and coated with a good grade of clear wax such as Johnson's Paste Wax or Vista wax. Self-polishing liquid waxes may be used, but they do not wear as well.

DRAPES & UPHOLSTERY

When storing your trailer it is a good idea to protect the upholstery from fading rays of the sun by putting aluminum foil between the window and the screen. Drapes and upholstery should be dry cleaned only.

WORK SURFACES

The work surfaces in your Airstream are of melamine laminate; they resist alcohol, fruit stains, scratches, acid, household alkali and heat up to 275°F. Waxing will help preserve the luster. Never use abrasive cleaners or use the surface for slicing or cutting. Protect from hot vessels.

PLASTIC BASIN AND TUB

The lavatory basin and tub in your Airstream are made of special, long-wearing plastic for light weight, high strength, and long life. When cleaning, use soap or detergent only — *never use scouring powder*. Wright's Silver Cream is an ideal cleaner for the plastic lavatory and skirt.

WINTERIZING YOUR AIRSTREAM

If you will be storing your trailer for the winter in sub-freezing weather, it is important to guard against damage in the hot and cold water systems; the waste drain system including the traps; waste holding tank; and the water heater. To completely winterize your Airstream follow this procedure:

1. Level the trailer from side-to-side and from front-to-rear. Open all the faucets on the inside and remove the hand filler cap.
2. Open all drain valves. There are two valves: ; one at the water storage tank at the front, and another accessible either through the trunk door, or under the left-hand bed.
3. While the water is draining from the system, go inside and open and close the toilet flushing valve. There is great danger from freezing if water remains in this valve.
4. Pour about a cup of kerosene into the lavatory and sink drains to prevent freezing water in the traps, or drain them completely. *Do not use anti-freeze.*
5. Pour about a cup of kerosene into the shower or tub drain tap. (There is no effective way of draining it). *Do not use anti-freeze in trap.*
6. Be sure to open the waste holding tank drain valve and drain the tank thoroughly (this is very important as the sewage in the tank, if frozen, could seriously damage the tank).
7. Lower the front of the trailer as far as the jack will allow and see if the water will continue to drain. Then crank the jack up as high as it will go and let any water remaining drain out.
8. Open all faucets inside the trailer.
9. Remove the cover of the water purifier if your trailer is so equipped and drain purifier.
10. Turn lever on water pump pressure switch to "OFF" position.
11. Disconnect Inlet and Outlet connections and turn pump by hand until all water is expelled from the unit.
12. Make certain that the battery in your trailer is up to charge to prevent it from freezing, or remove it for storage where it cannot freeze.

THE RUNNING GEAR (AXLES, WHEELS, BRAKES) AND MAINTENANCE

MAINTENANCE GUIDE

Item	Every 1,000 Miles	Every 5,000 Miles	Every 10,000 Miles	Procedure
Battery	X			Check water level—fill with distilled water only.
Smoke Hood Fan	X			Clean blades
Smoke Hood Filter	X			Wash
Hitch Ball Latch	X			Lubricate by coating with engine motor oil.
Hitch Jack	X			Lubricate with light household oil (put oil can spout up under handle and allow oil to run down post.
Window Operators/Slide	X			Lubricate with light household oil.
LPG Hold Down Screw	X			Lubricate with light household oil.
Entrance Door Hinge	X			Lubricate with light household oil.
Roof Vent Elevator Screws	X			Lubricate with light household oil.
All Exterior Door Locks	X			Lubricate by shooting in dry graphite.
Strike pocket on Exterior Door	X			Coat with paraffin.
Wheel Bearings			X	Clean, repack, and adjust.
Brakes			X	Inspect and adjust.
Tires	X			Inspect for foreign objects. Check pressure (45 psi except the Caravel which is 40 psi).
Tires		X		Cross-switch.
Water Pump		X		Check for wear and proper tension.

Your Airstream is without a doubt the finest engineered travel trailer ever to be mass produced. Every step of the design and the choice of every component has been to give you thousands of miles of trouble-free operation. By following this minimum maintenance schedule you will enjoy all of the pleasure you dream of from your trailer . . . and more.

SEASONAL CHECK-UPS

Every fall and winter, and after any long storage, all of the gas appliances should be checked, cleaned and adjusted to insure safe and care-free operation. See chapters on individual appliances in this manual for maintenance procedures or have your Airstream dealer perform this "preventative maintenance" for you.

THE DURA-TORQUE AXLE IN YOUR AIRSTREAM

The Dura-Torque axle in your Airstream has been referred to by experienced trailerites as "the greatest thing that has happened to trailers since they invented the wheel." The Dura-Torque axle gives a much finer ride than the conventional axle and spring, and by elimination of the great number of parts, eliminates

sources of maintenance problems. The Dura-Torque axle is designed to last the life of your trailer without service except to the wheel bearings.

WARNING!

Under no circumstance, ever allow anyone to weld on the Dura-Torque axle (such as in mounting skids or welding in the area of the axle where the heat may be transferred to the axle). The heat generated by welding will destroy the rubber pads and cause failure of the axle.

One of the bonuses that result from having independent dura-torque suspension on tandem model Airstreams is the ease with which a flat tire may be changed. On a tandem trailer, to change one of the wheels it is necessary only to drive the remaining wheel on the same side up on a block about 4 inches thick-ness. The wheel with the flat tire will then clear the ground to a point where it is possible to remove it and replace it without the use of a jack. If a spare is not carried, it is quite possible to drive the unit for some distance on 3 wheels only.

THE KELSEY-HAYES ELECTRIC BRAKES ON YOUR AIRSTREAM

The Kelsey-Hayes 2-shoe adjustable brakes on your airstream are the finest electric brakes available on the market. They are operated by the 12-volt current on your car battery and can be hooked-up so that you have an integral system with your car brake.

The number one cause of trouble with trailer brakes is improper installation in the tow car. To prevent problems and insure satisfactory braking action it is necessary that you install a Kelsey-Hayes controller and a Kelsey-Hayes variable resistor in line with the brake controller in your car. Do not attempt to use any other brand.

Kelsey-Hayes publishes an excellent brake manual, a copy of which you will find in your trailer. It is suggested that you read it and follow the instructions completely.

To adjust your Kelsey-Hayes brakes is quite simple following this procedure:

1. Remove the small rubber plug at the base of the backing plate.
2. Use a brake-adjusting tool or a screwdriver that has been heated and bent to a 90° angle.
3. Jack the wheel up so you can spin it by hand; tighten the brakes, (using the previously mentioned tool) until the wheel is locked; back off until you have a free spinning wheel (which will be approximately 15 notches.)
4. Repeat this operation with all of the other wheels on your trailer.

THE TIRES ON YOUR AIRSTREAM

Your Airstream is equipped at the factory with Goodyear 7:00x15 travel trailer tires (Caravel has 7:50x14 tubeless). Your Airstream dealer cannot make adjustments on these tires—they can be made by any Goodyear dealer. It is suggested that you contact your Airstream dealer who maintains a stock of tires for your Airstream. When you are on the road, if you have any problems with your tires, check in the classified pages of the telephone directory for the nearest Good-

year dealer. The following rules will help you get top performance and maximum life from your tires:

1. Always check air pressure in your tires before starting on a trip and when the tires are cool. Be sure you always maintain the correct pressure when cool but never “bleed” air out after you have been driving or when the tires are hot. The tires are designed to compensate for the higher pressures that will be encountered as they are driven and “bleeding” out air could result in under-inflation when they have cooled. The proper pressure for tires as supplied with your Airstream 7:00 x 15) is 45 psi (except the Caravel which is 40 psi). Make sure valve cores and valve caps are tight to prevent loss of air.
2. When parked between trips, maintain recommended air pressure in all tires at all times.
3. Whenever possible, park in shaded areas so that tires are not exposed to the direct rays of the sun.
4. If parking for extended periods of time, put your trailer on blocks so that tires do not touch the ground. If local parking regulations permit, and facilities are available, remove tires and store in dry, cool enclosure.

An over-inflated tire is weak and will wear more quickly than a properly inflated tire. When tires are over-inflated, a smaller portion of the tread is in contact with the road, reducing its ability to absorb road shocks and inviting blowouts.

Under-inflation always causes rapid tread wear and often causes premature failure. In under-inflation, as in over-inflation, only part of the tread is in contact with the road. (see illustration). Tires will wear abnormally and rapidly, with most of the wear taking place on the outer edges of the tread. Excessive heat builds up in under-inflated tires causing structural damage to the tire with the resultant danger of failure. The tires on your Airstream should be rotated regularly every 5,000 miles. If you carry a spare include the spare in the rotation. See illustration for recommended switching procedure.

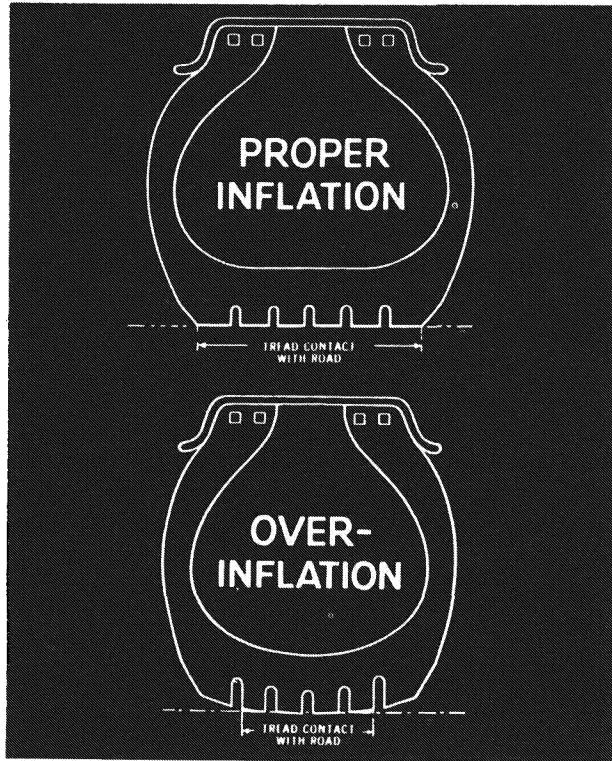


FIGURE 17-A

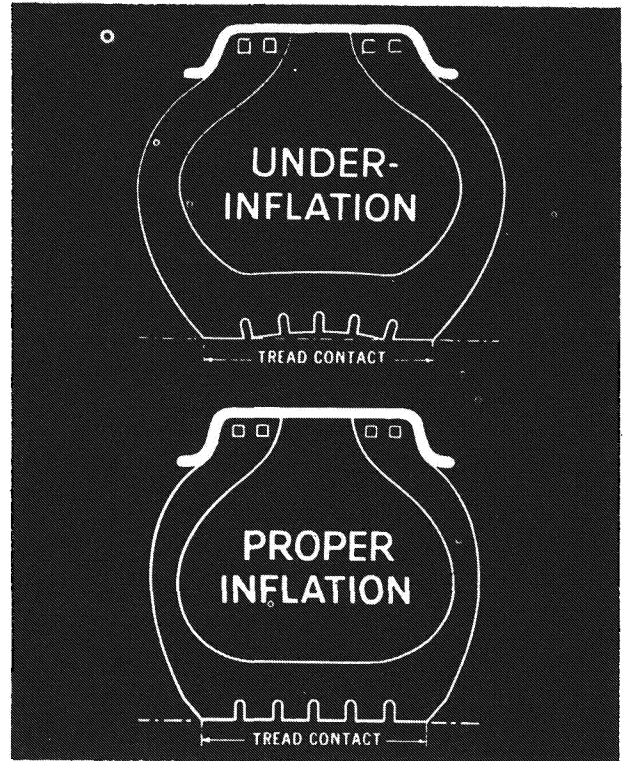


FIGURE 17-B

FIGURE 17-C

