

1965 AIRSTREAM OWNERS MANUAL

30' SOVEREIGN DOUBLE

Warranties



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

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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 warrantees.

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

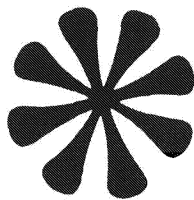
or

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.

THIS
MANUAL
HAS BEEN
ESPECIALLY
ASSEMBLED FOR



AIRSTREAM TRAILER SERIAL NUMBER:

DELIVERED:

MODEL: 1965 SOVEREIGN DOUBLE 30 FT.

DIMENSIONS:

OVERALL LENGTH _____ 30'8"

OVERALL WIDTH _____ 96"

OVERALL HEIGHT _____ 106"

WEIGHT: 4370 LBS.

HITCH WEIGHT: 410 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 _____ 2 SETS, KELSEY-HAYES ELECTRIC

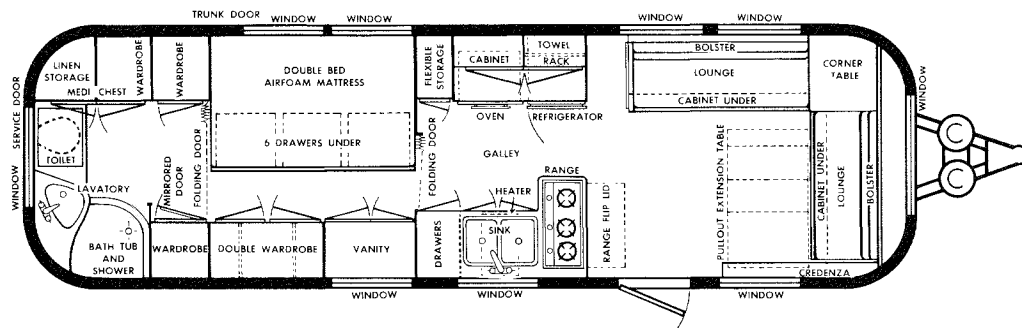
WHEELS _____ 4, 15" SPLIT RIM, TRUCK TYPE

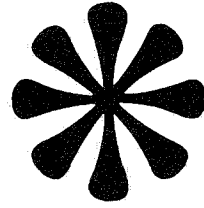
TIRES _____ 4, 7:00 x 15, 6-PLY NYLON, WITH TUBES

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

HITCH BALL _____ 1, 2" MARVEL

FLOOR PLAN:





**TRAILERING
IN YOUR
AIRSTREAM**

CHAPTER 1

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 a 26-foot International model. Regardless of the particular model or size of your Airstream, most of the details shown on the photographs apply.

Figure 1-C shows the “One-Stop Service Center.” This

feature gives quick access to “hook-up” and service the self-contained utilities in your trailer. Details on each utility follow in Chapters 6 through 13.

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.

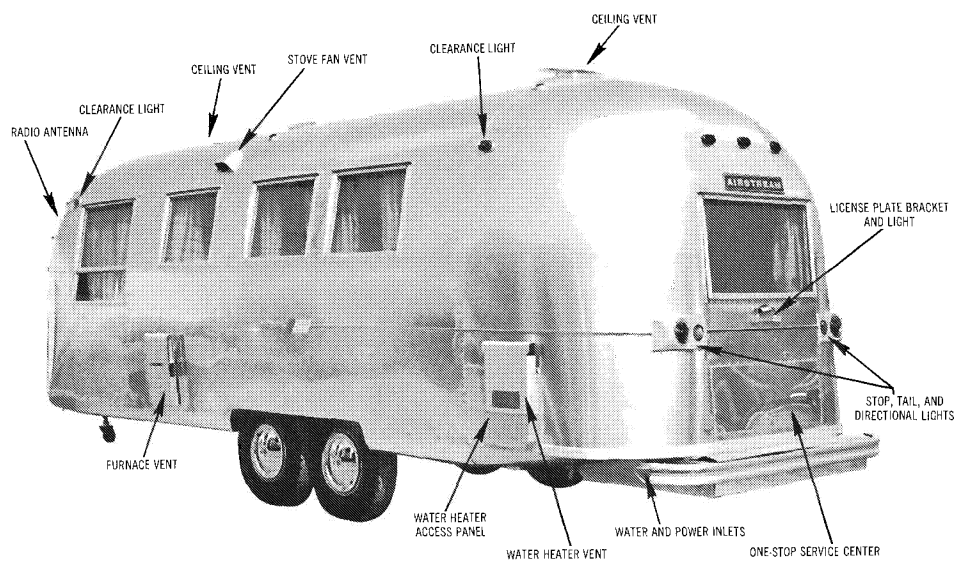
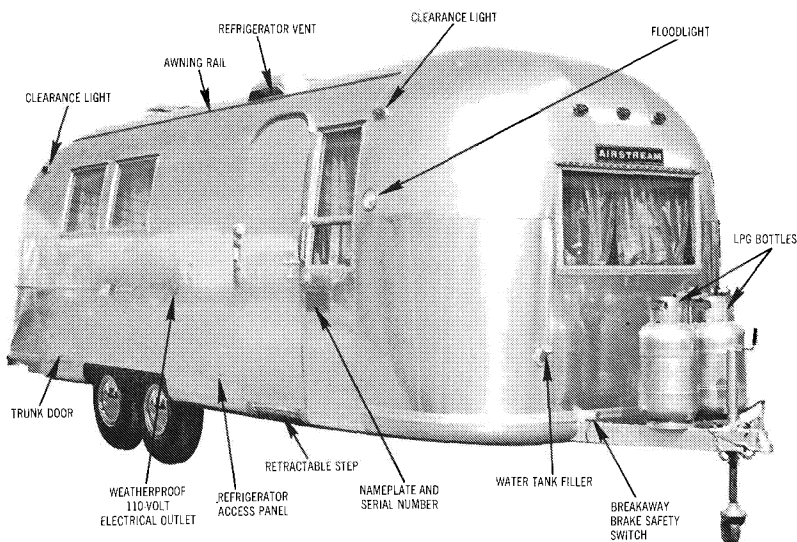


FIGURE 1-A

FIGURE 1-B



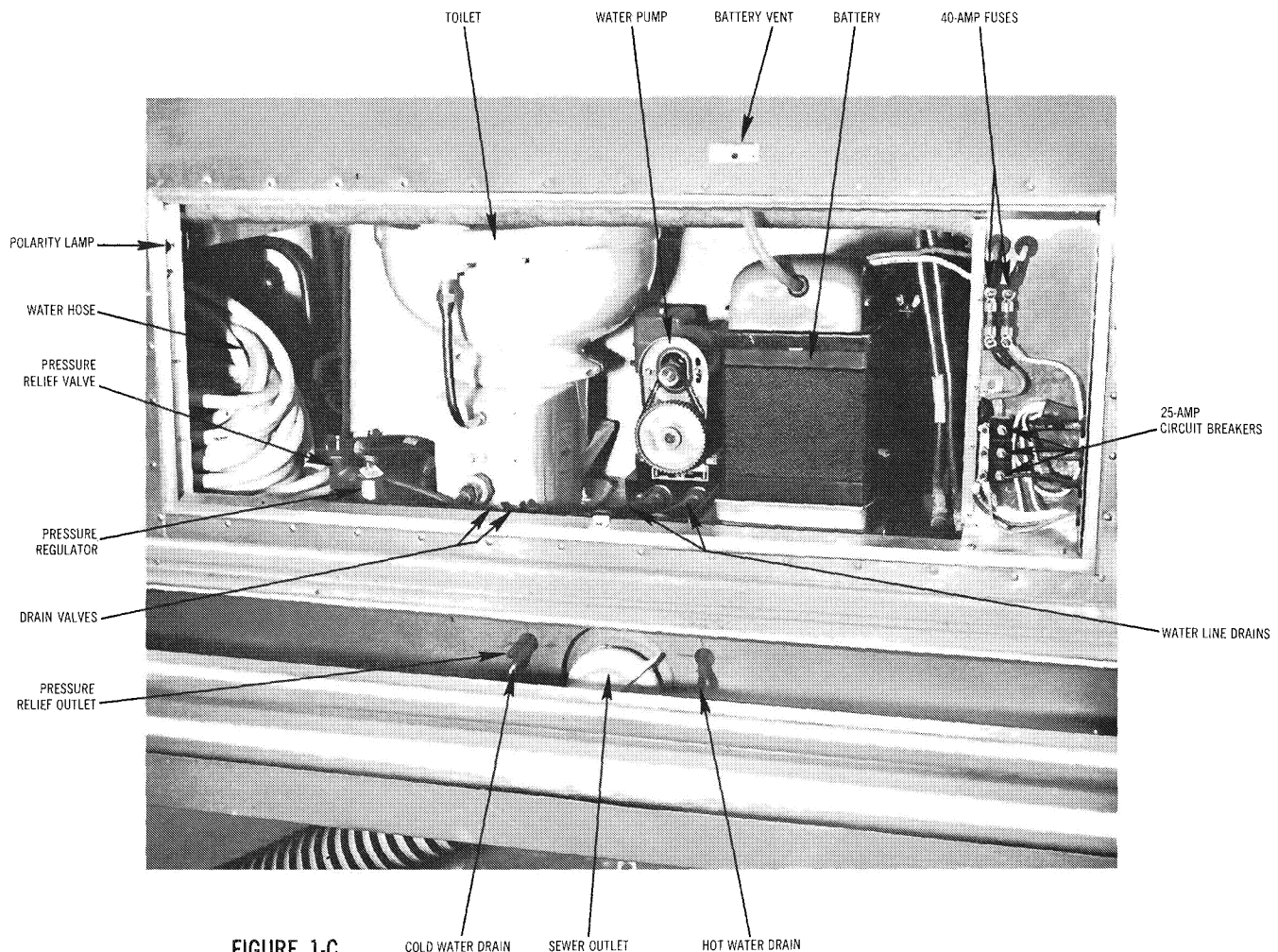


FIGURE 1-C

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.

Your new Airstream is wired for an exterior television antenna. To install the antenna it is recommended that you go to your Airstream dealer since it must be structurally mounted to the outside skin. The lead wires will be found curled inside the wall of the trailer on the door side of the front window. The exterior antenna should be mounted to the side of the window so that the leads can be connected at that point. The other end of the leads will be found hanging behind the electrical panel behind the refrigerator. This has been located in the most convenient spot for TV viewing in your particular model. Your dealer will recom-

mend the best folding type TV antenna for your trailer or see any Wally Byam Store.

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.

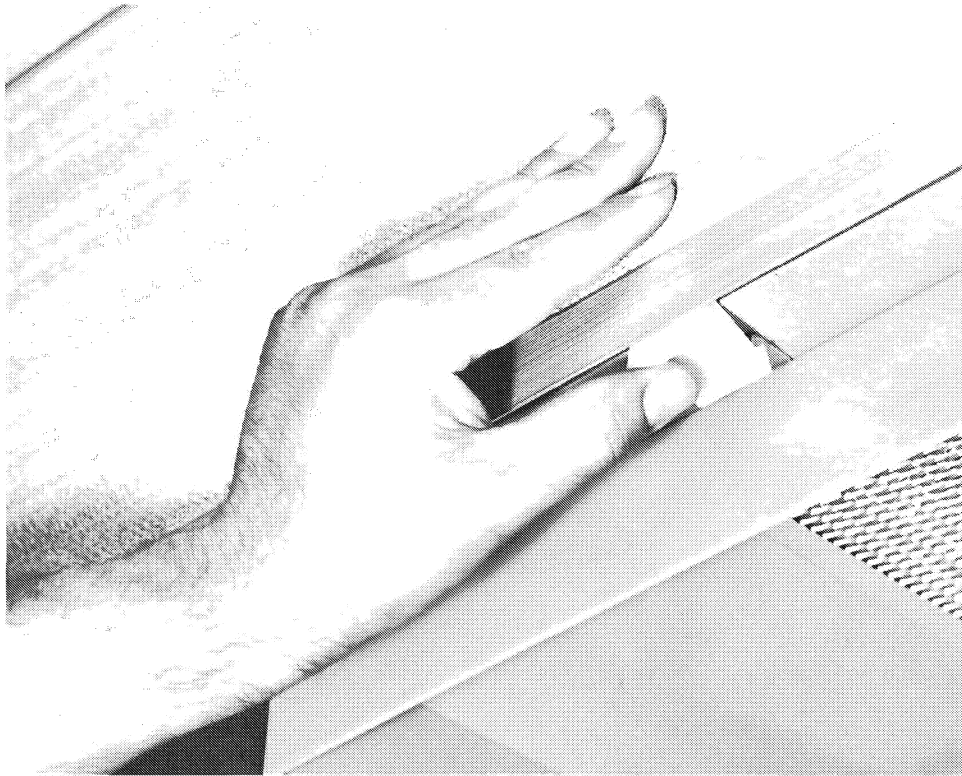


FIGURE 1-D

A FEW ADDITIONAL ITEMS

1. 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.
2. 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. (See Figure 1-D).
3. 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.

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.

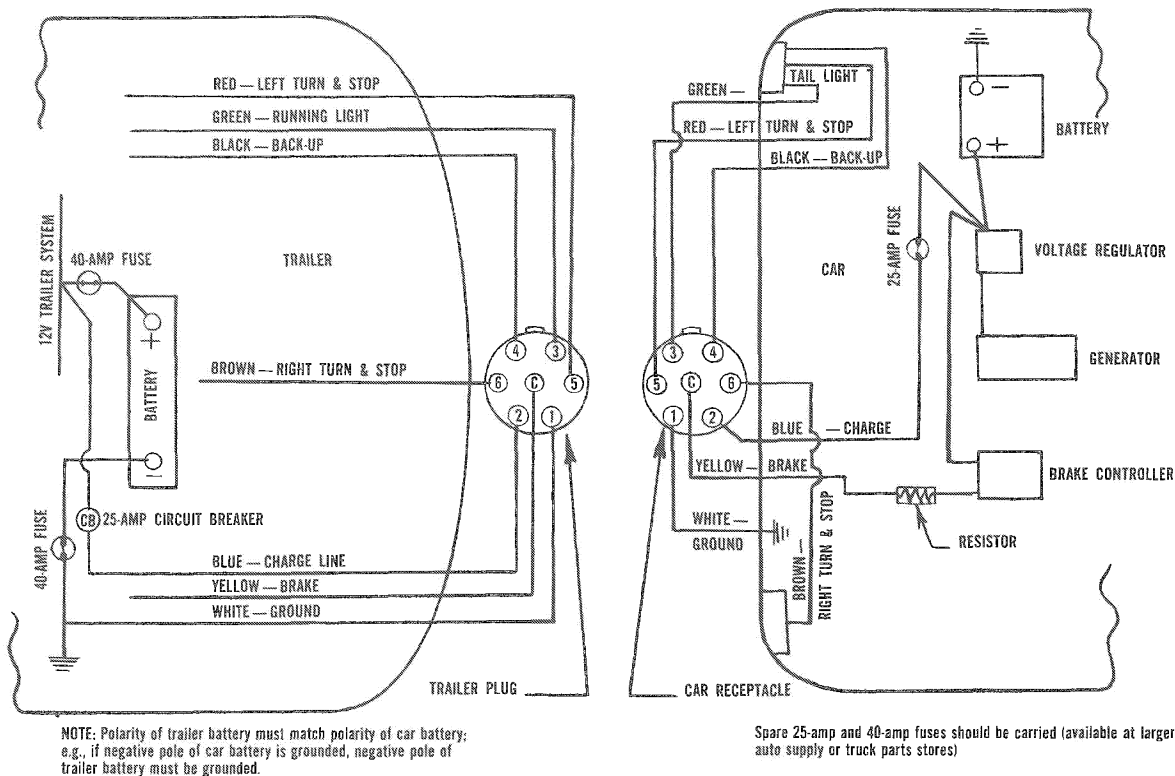


FIGURE 2-A

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.

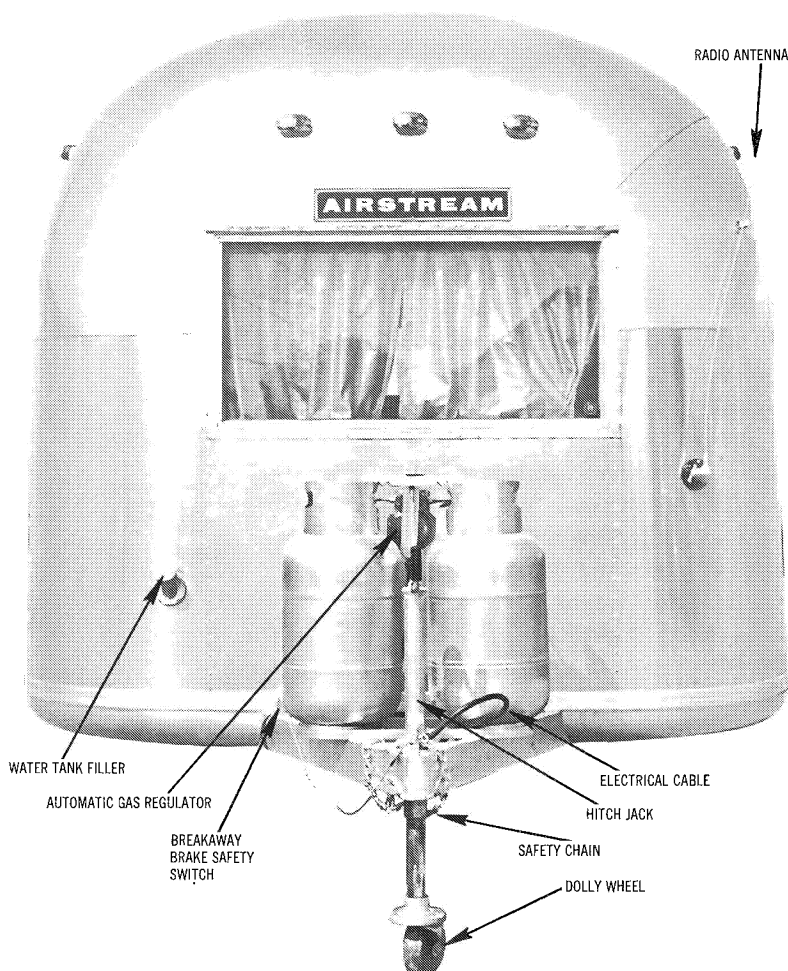
When you have lined up the ball under the hitch, screw the trailer jack down until the full weight of the trailer is on the ball. Drop the locking lever and place the safety bolt in the hole to prevent the lever from being accidentally lifted.

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.

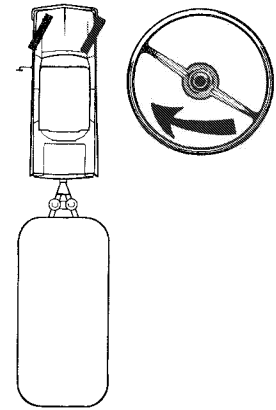


FIGURE 3-B

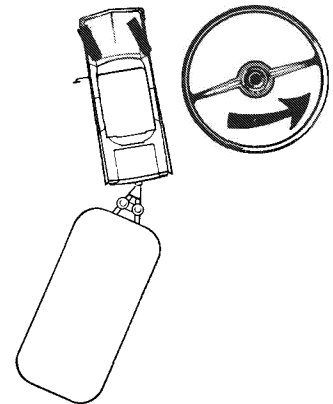


FIGURE 3-C

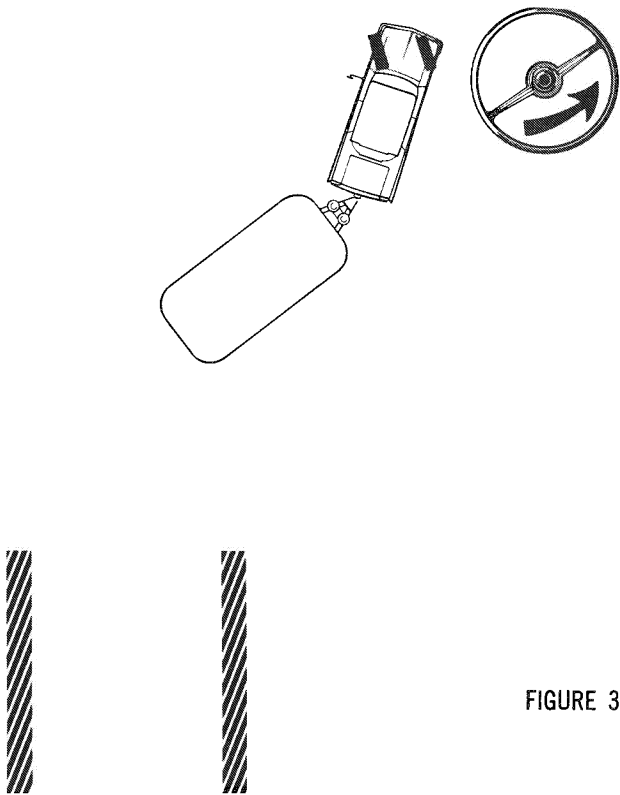


FIGURE 3-D

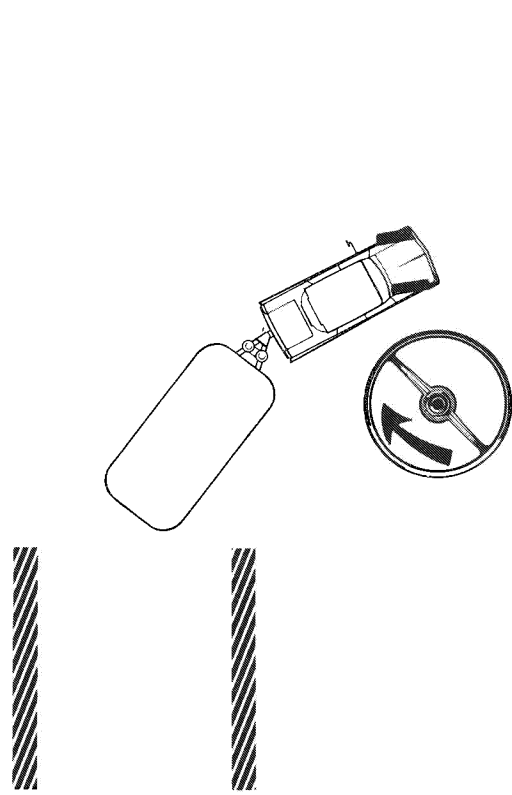


FIGURE 3-F

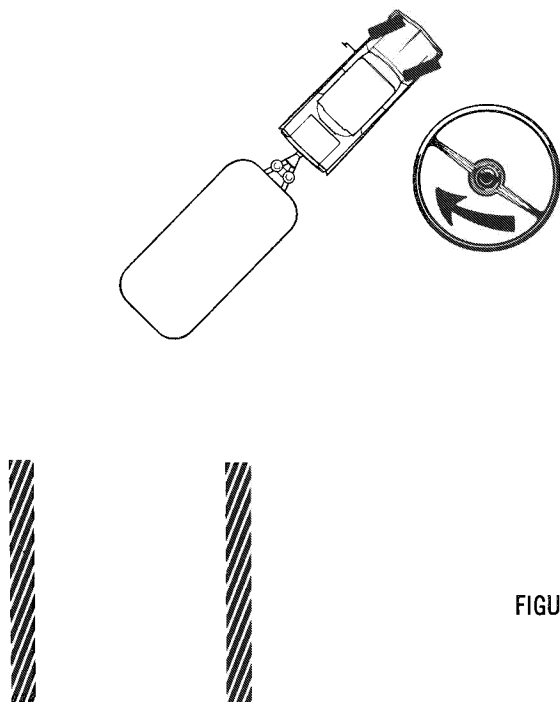


FIGURE 3-E

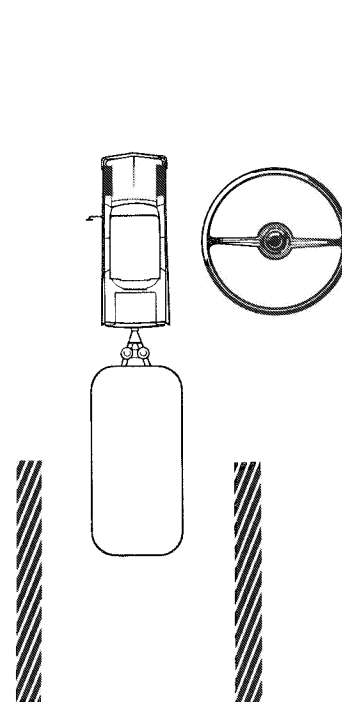


FIGURE 3-G

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

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.

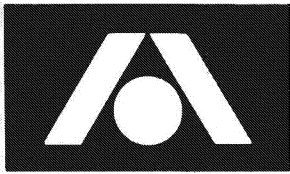
Try to pick as level a parking spot as possible. Stabilizing jacks or blocks probably won't be required for an overnight stay; putting the jack pad on the hitch jack and running the hitch jack down to take the weight off the car's springs should provide enough stability. If you must park on a slope,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

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.



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MINNEAPOLIS
STAN'S COMPLETE MOBILE HOME SERVICE
2501 Lowry N.E.
Phone: 781-8688

MOORHEAD
PIERCE TRAILER SALES*
221 Main

*These organizations have factory trained personnel.

Recommended Service Stations for BOWEN Water Heaters

MINNESOTA (Cont'd)

NEW BRIGHTON
MOBILE HOME SERVICE*
2211 W. County Road C 2
Melrose 3-2460

ROCHESTER
THOS STENSrud TRAILER SERVICE
230—10th Ave., N.E.
Phone Atlas 9-8780

ST. PAUL
TOBISH MOBILE HOME EQUIPMENT REPAIR
299 W. Cottage Avenue
Phone: HUmboldt 8-8015 — Area Code 612

MISSISSIPPI

COLUMBUS
SOUTHERN TRAILER DISTRIBUTORS, INC.
Air Base Road
Phone 434-6211

VICKSBURG
SOUTHERN TRAILERS DISTRIBUTORS, INC.
P.O. Box 471 (Highway 61 South)
Phone: 636-6321 — Area Code 601

MISSOURI

COLUMBIA
POWELL TRAILER SALES
Hwys. 40 & 63 South
Phone Gibson 3-4398

IBERIA
PONDERS SHOP
P. O. Box 264
Phone SW 3-3141

KIRKWOOD
BYERLY TRAILER SALES & MFG. CO.
11601 Manchester Road
Phone YO 5-1221

KNOB NOSTER
KENDON SALES
P.O. Box 331
East Highway 50
Phone 816 LO 3-2500

SEDALIA
CHAPLIN SERVICE & SUPPLY
West Main at Highway 50
Rt. #3 - Box 25
Phone TA 7-0234

ST. ANN
SEL-RAE AGENCY
3025 N. Lindbergh
Phone PRshing 9-1806

ST. CHARLES
JOE'S MOBILE HOME SERVICE
83 Rosewood Drive
Phone: RAndolph 4-6807

ST. JOSEPH
McLEAN MOBILE HOME HEATING AND
AIR CONDITIONING SERVICE
106 Country Side Lane
Area Code 816
Telephone: ADams 3-3837

WAYNESVILLE
CENTRAL MOBILE HOME REPAIR
Hwy. 66—Spur - RR 2
Phone: PR 4-2302

WEBB CITY
HAROLD FABIAN MOBILE HOMES SERVICE
415 North Main Street
Phone OR 3-2479

MONTANA

BILLINGS
BILL'S MOBILE HOME SERVICE & SUPPLIES
101½ Moore Lane
Phone: Office 252-2238 — Res. 252-0229

GLASGOW
CHAR-EL TRAILER SALES*
Phone AC 8-9223

NEBRASKA

ALBION
MILLER MOBILE HOME SALES
317 Main Street

ALLIANCE
ALLIANCE TRAILER SALES*
815 Flack Avenue
Phone 584

COLUMBUS
VAN DYKE SERVICE CENTER
Evergreen Trailer Park
Phone 564-5048 (Columbus)

GRAND ISLAND
TRAILER SUPPLIES & SERVICE
2600 S. Locust
Phone DU 2-4080

KIMBALL
KIMBALL PLUMBING & HEATING CO.*
604 E. 3rd St.
Phone BEverly 5-3522

LINCOLN
ARROW TRAILER SALES*
125 "O" St.
Phone HEmlock 2-6055

OMAHA
FT. CROOK MOBILE HOMES
4014 So. 13th St.
Phone 731-3833
A. C. NELSEN CO.
2112 Harvey St.
Phone 344-4000

SCOTTSBLUFF
A. C. NELSEN COMPANY
Box 1042

SO. SIOUX CITY
NIEL'S MOBILE HOME SERVICE
1203 1st Avenue
Phone 4-4323

NEVADA

LAS VEGAS
LOMKERS TRAILER SERVICE
451 North 11th St.
Phone DU 2-8872

LAS VEGAS (Cont'd)
PROPANE SALES & SERVICE CO
2551 North Main

NEW HAMPSHIRE

LACONIA
LARSON'S MOBILE HOME SERVICE
R.F.D. #1
Phone LA 4-5993

NEW JERSEY

AVENEL
MURRAY'S MOBILE HOME SERVICE
3 K Street
Phone ME 4-4140

BELLMAWR
J. P. McINERNEY MOBILE HOME
REPAIR SERVICE
174 Cardinal Drive
Phone 931-0783 (area code 609)

FRANKLINVILLE
TRAVEL TRAILER CENTER
Delsea Drive
Phone Tulip 1-3362

HADDONFIELD
WARREN'S MOBILE HOME SERVICE*
8 Rose Lane, Cooper Park Village
Phone HAZel 9-9118

KEYPORT
WILBUR HANTZ
c/o Sontana Trailer Park
MR 36 — Box 44
Phone 787-9511

LINDEN
SMITH MOBILE HOMES*
U.S. Rt. 1, Box 594
WAbash 5-2442

LYNDHURST
OBERHOLTZER & SON MOBILE HOME SERV.
CENTER
265 Orient Way
Phone: WE 3-0474

THOROFARE
MANN'S TRAILER SERVICE
Route #130
Phone: Tilden 5-1939

NEW MEXICO

ALAMAGORDO
DUDLEY MOBILE HOMES
P. O. Box 429
Phone HE 7-7430

ALBUQUERQUE
NEW MEXICO TRAILER REPAIR
10021 Acoma Road S.E.
Phone 299-1986

NEW YORK

ALBANY
CERTIFIED MOBILE HOME SERVICE
20 Spruce St.
Phone HE 8-8866

ANGOLA
B-Y SUPPLIES, INC.
Erie Road — Route 5
Phone 549-3737

BATAVIA
HARLEY'S PROPANE SERVICE*
Box 414

BINGHAMTON
DICK'S MOBILE HOME SERVICE
9 Cary Street
Area Code 607
Telephone: 723-6922

CANTON
MURPHY'S APPLIANCE SALES
26 Riverside Drive

CONGERS
ECONOMY GAS COMPANY, INC.
Route 9W
Congers 8-6690

ELLENVILLE
STATE TRAILER SALES*
Route 209, P. O. Box 247
Phone: Ellenville 1848

FORT MONTGOMERY
MOBILE HOME SERVICE
Route 9W — Box 437
Phone HI 6-3338

JOHNSON CITY
KEN'S TRAILER REPAIR SERVICE
215 Trailer Village
Phone: RA 9-3766 — Area Code 607

LEICESTER
CURTIS A. SLIKER, INC.*
Main Street
Phone DUdley 2-2301

POUGHKEEPSIE
KEN'S MOBILE HOME SERVICE
Noxon Road - R.D. #2
Phone 914 GL 2-5095

ROCHESTER
GORDON'S TRAILER SERVICE
1470 Clinton Ave. No.
Phone FI 2-8115

SYRACUSE
SUTPHIN SUPPLY CORP.
914 North State Street
Phone GR 2-7514

NORTH CAROLINA

FAYETTEVILLE
NORTH CAROLINA MOBILE HOMES
4417 Bragg Blvd.
Phone HU 4-7151

LELAND
THOMAS REPAIR SERVICE
P.O. Box 115
Phone RO 3-5929

MIDWAY PARK
EAST WINDS MOBILE HOME SUPPLIES
Highway 24 East
Phone 347-1938

NORTH DAKOTA

BISMARCK
TOM'S MOBILE HOME REPAIR AND SERVICE CENTER
309 South 3rd Street
Phone: 223-0656 — Area Code 701

FARGO
HOME GAS COMPANY*
Post Office Box 966
3101 Main Avenue
ADams 5-4960

MINOT
NORTH AMERICAN SALES, INC.
Hiway 83 South

WEST FARGO
TRI-STATE TLR. REPAIR & ACCES.*
Post Office Box 332
ADams 2-2945

OHIO

AMHERST
B BAR B MOBILE HOME PARK
Box 128 Quarry Road

BELPRE
WOOD MOBILE HOMES
Rt. 1
HAzel 3-7323

CINCINNATI
DILLINGHAM'S MOBILE HOME SERVICE
330 Reading Road
Phone 821-8844
FRANK'S MOB. HOME SUPPLIES
8260 Rover Ave. — Zone 39
Phone: 521-0273 — Area Code 513
LARRY WELSH TRAILER COMPANY*
8054 Reading Road
VA 1-6033

CLEVELAND
LAKE ENTERPRISES
16518 Detroit Avenue
Phone: LA 1-6505

CLYDE
SHERCK MOBILE HOME SUPPLIES
Division — Sherck Mobile Homes
136 E. McPherson Hwy.
Phone 6931

COLUMBUS
AUTHORIZED MOBILE HOME SERVICE
2928 Westerville Rd.
Phone 267-8339
WILSON MOBILE HOME SERVICE
576 Greenlawn Ave.
Phone HI 3-5726

DAYTON
JIM'S MOBILE HOME SUPPLY CO.
3895 No. Dixie Highway
Phone 278-5887
McMAHAN'S BOTTLED GAS COMPANY
3324 Valley Pike
Phone Beverly 3-0831

ELYRIA
TAYLOR'S MOBILE HOME SERVICE
219 University Avenue
Phone FAirfax 3-7301

GREENWICH
WOODLYN ACRES MOBILE HOME
PARK & SALES
R.D. #2 U. S. 224

NEW VIENNA
DRAKE TRAILER SALES*
YUkon 7-5223

NILES
RALPHS MOBILE HOMES SALES & SERV
521 Youngstown Rd., Rt. 422
Phone OL 2-1333

NORTH CANTON
ED SWIGERT MOBILE HOME SERVICE*
Lot 40, 1245 N. Main
Phone HY 9-6519

RAVENNA
VICKERS MOBILE HOMES
3002 Kent-Ravenna Road
Phone AX 6-4677

SANDUSKY
BEST MOBILE HOME SUPPLY
615 Horseshoe at West Monroe
Phone MAin 5-1656
OHIO HOMES
116 W. Perkins
Phone MAin 6-5768

SPRINGFIELD
TECUMSEH MOBILE HOME COURT & SALES
4802 W. National Road
Phone 963-6222 — Area Code 513

STONY RIDGE
STONY RIDGE MOBILE HOMES
Route #20
Phone CHerry 4-7684

SYLVANIA
ANDERSON BOTTLED GAS COMPANY*
5585 Monroe St.
Phone TU 2-5548

TOLEDO
HAMMERMAN MOBILE HOME SERVICE
1515 Alexis
Phone: 474-3069 — Area Code 419

WICKLIFFE
HAYES TRAILER SERVICE
30335 Euclid Ave.
Phone WH 3-6431

ZANESVILLE
MOBILE HOME RANCH INC.
Rt. 1, Olde Falls Road
Area Code 614
Phone: 453-3794

OKLAHOMA

LAWTON
PIERCE MOBILE HOME SALES
2410 Cache Road
Phone ELgin 5-2734

*These organizations have factory trained personnel.

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
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
FOE CURRIER & SONS PLUMBING & HEATING

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

MITCHELL
MOBILE HOME SALES & SERVICE
719 North Main
Phone: 99-65477

MOBRIDGE
MR. WILLIAM HALEY
P. O. Box 47
Phone 845-2760 — Area Code 605

PIERRE
ANDY'S GAS COMPANY*
213 Dakota Avenue
5030 and 2375

PIERRE (Cont'd)

CAPITAL CITY GAS COMPANY*
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
EDS TRAILER & TV SALES & SERV.
28 Omaha St.
Phone Fillmore 2-0654

SPEARFISH
NORTHERN HILLS MOBILE HOMES
Phone 642-2554

TENNESSEE

CHATTANOOGA
DIXIE TRAILER SALES & SERVICE
4314 Ringgold Road

NASHVILLE
MOBILE HOME PARTS
2321 Dickerson Road
Phone 255-9308

TEXAS

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

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

AUSTIN
MOBILE HEATING & COOLING
2211 Post Road
Phone 512 HI 2-3402

BEAUMONT
AUTOMATIC CONTROLS CO.
1589 College Street
Phone: Terminal 3-9463 & Terminal 3-6669
Area Code 713

BIG SPRING
D & C TRAILER SALES
3910 West Hwy. 80
Phone: AM 3-4337 — Area Code 915

CLYDE
DWANE RUTHERFORD — MOBILE HOME SERVICE
Rt. #1, Box 11A
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

UTAH

MOAB
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 298-8047 — 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.
8116 Witry Bldg., 2nd Ave.
Phone PL 5-4303

PARKERSBURG
THE PARKVIEW 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.



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

Dathan
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

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

ARIZONA (Continued)

Flagstaff—602 C-4
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 C-5
Denver Nicholas
330 W. Erie St. —524-3843

Kingman C-1
Davis Heating & Cooling
525 E. Andy Devine Ave. —SK. 3-3746

Mesa E-3
Mr. Leo Kast
c/o Complete Trailer Service
931 W. Main St —964-9182

Phoenix—602 E-3
City Trailer Service
105 S. 36th St. —275-1962

Sedona
Sedona All Service—Box 502—282-3530

Tucson—602 F-4
Ted Walkers Trailer Headquarters
2632 S. Sixth Avenue —MA. 3-2595

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

ARKANSAS

Blytheville—501 A-5
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 C-4
Almond's Repair Service
1225 Traylor Blvd.—ME. 3-4245

Ft. Smith B-1
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 C-3
Tweedy's Mobile Home Service & Supply
Rt. 4, Box 190C 72117

CALIFORNIA

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

(E) Exclusive International Service Centers

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

Camarillo—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 D-3
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 —CH 5-5495

CALIFORNIA (Continued)

Lakewood—213
Bell 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

Panama—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

CALIFORNIA (Continued)

Sacramento-916
Glenn's Trailer, Inc.
1640 Auburn Blvd. -WA. 5-2865

San Diego-714
Hardy's Mobile Home Service
7285 University -469-4173

San Jose-408
Herb's Trl. Repair & Service
13100 Haga Drive -227-7762

San Leandro-415
AA Mobile Home Service
1405 150th Ave. -276-1903

Santa Clara
Mr. Doug Veara
c/o F-A-S-T, Inc.
1375 El Camino Real -296-0664

Santa Maria
Mr. Leon M. Ramer
c/o L. & M. Trailer Repair Service
309 West Betteravia -WA. 2-2741

Stockton-209
Alken Company
2412 N. Wilson Way -466-2331

Ukiah-707
Warren Trailer Sales
Route 2, Box 569B-462-2268

Van Nuys-213
Mr. Leroy Bergschneider
c/o Valley Mobile Home Service
15828 Sherman Way-781-3975

West Sacramento-916
(E) Mr. Charles J. Holtzeiter
c/o Mobile Service Company
507 Glide Ave.

Yucaipa
Mr. H.W. Hardy
c/o Hardy's Mobile Home Service
11022 Bryant Street, P.O. Box 148
797-7164

COLORADO

Aurora-303
Aurora Trailer Supply
1462 Iola Street-EM. 6-8110

Craig-303
Greeley Gas Company
390 Yampa Avenue-824-3221

Heintz Plumbing & Heating
351 Ranney-824-3221

Colorado Springs-303
Baird Trailer Sales
5550 No. Nevada-634-0849

Mr. Mike Douglas
Mobile Home Heating & Plumbing Service
3816 North Nevada Ave.

Pikes Peak Trailer Supply
1729 S. Nevada Ave. -ME. 3-1476

Denver-303
Aurora Trailer Supply, Inc.
6320 North Federal-455-2335

Denver Trailer Supply
1740 So. Broadway-SH. 4-1081

Dillon
(E) B. Bar K Park

Ft. Collins
Bardon's Trailer Supply
1008 No. College Avenue

Fort Morgan-303
Howell Trailer Service
709 Gateway-867-6475

Grand Junction-303
Mobile Home Service
1610 Bluegill Drive-242-6684

Trailer Home Rental Service
U.S. Hwy. 6 & 50-243-2227

Idaho Springs-303
Mr. Ernest M. Hilyard
c/o Mountain Trailer Park
Box 765-567-2774

Lamar
Mr. James L. Allen
c/o Allen Service & Repair
105 East Hickory-336-7162

Loveand-303
Ellis Motor & Trailer Sales, Inc.
Box 143, Hwy. 287-667-3236

Pueblo-303
Diamond Trailer Sales Co.
P.O. Box 608-544-5400

Modern Trailer Sales, Inc.
3130 Elizabeth-LI. 5-2189

Pueblo Mobile Home Service
3015 Elizabeth-LI. 4-1823

CONNECTICUT

F-4 Danbury
Village Mobile Home Heater Service
Federal Road, Route #7-748-3751

Devon
Mr. Darrell P. Downs
393 Bridgeport Avenue-TR. 8-0733

G-4 East Hartford-203
Mr. Norman R. Call
Call's Mobile Home Service
877 Burnside-528-8629

G-4 Milford
Mr. James A. Ellum Mobile Home Service
14 Second Park Street
c/o Ryder's Mobile Home Park -878-4521

New Milford-203
Mobile Home Heater Service
Sherman Road, R. F. D. 2-EL. 4-3297

Waterford-203
Lamb's Mobile Home Service
34 Third Ave. -443-8543

F-5

DELAWARE

Laurel
Ruarks House Trailer Repair
P.O. Box 97-875-5931

New Castle-302
S & S Mobile Home Parts
241 So. Dupont Parkway

Seaford
Mr. Frank G. Horn
c/o Horn Electric Company, Inc.
P.O. Box 282-629-7639

FLORIDA

Cocoa
Mr. J. B. Hodges
c/o Florida Refrigeration Service
P.O. Box 27 636-4247 (day) 636-7842(night)

Mr. Buck Tyler
Trailer Repair & Awning Service
Williams Point Trailer Town
7012 Dogwood Drive - 632-2195

Daytona Beach-305
*Fix-All Refrigeration
P.O. Box 3644-252-0052

Eau Gallie
Kirkland Company
P.O. Box 605-254-8476

Graveland
Harrington Oil & Gas Service
Route 2, Box 358G

Harbor Oaks
Mr. John D. Dwyer
c/o Nu-Way Trailer Service
1247 S. Ridgewood

Hialeah-305
Palm Appliance, Inc.
517 West 49th Street-821-7441

Holly Hills
Mr. Victor Cornwall
1320 Fleming Ave. -672-0164

Lake City-305
George D. Morse
2503 E. Duval St. -752-3951

Sweet Electric
Rt. 3, Box 7A1-752-4217

Leesburg
Harrington Oil & Gas Service
P.O. Box 1165-787-2176

Lynn Haven
Refrig. & Power Specialties
913 Florida Ave. -AM. 5-5732

Marianna-305
*Waller Service Co.
Box 536 - HU 2-3069

Miami-305
Jerry's Welding Service
2710 North West 36th St. -634-7648

Miami Beach-305
Factory Authorized Service
214 5th Street-532-6339

New Port Richey-813
Wayne's Mobile Home Repair
P.O. Box 1145

Niceville
George L. Tennyson
Mobile Home Engineering Service
10 B Kelly Road

FLORIDA (Continued)

Ocala-305
Mr. Eugene M. DeLong
c/o DeLong Repair Service
Route #1 - Box 310

Orange Park-305
Mr. Greg Willett
c/o Mobile Home Service
520 Rushmore, P.O. Box 193-264-9357

Palmetto
Mr. George T. Davies
c/o George T. Davies Mobile Home Service
Box #832-722-2875

Panama City-305
Mobile Home Service Center
5215 E. Highway 98-785-8041

Pensacola-305
Anderson Trailer Sales, Inc.
3825 Navy Blvd.

Mr. Edward Hurston
c/o Capital Mobile Homes, Inc.
2817 N. Pace Blvd. -433-0269

***Cohran Refrig. & Air Conditioning**
3106 W. Lee St. -HE. 3-4842

Eiland Trailer Sales, Inc.
4331 Mobile Hwy. -455-1369 (day)
GL 5-4071 (night)

Escambia Trailer Repair
Rte. #2, Box 627A4-456-1092

Pinellas Park
(E) Gliddon Mobile Home Service
Ted Gliddon
10330 U.S. 19 North

Sarasota-813
Earl's Trailer Sales & Service
7707 So. Tamiami Trail-924-4448

Tavenier
Patrick Mobile Home Sales & Supplies
Box 222-852-5464

Tavares
Ralph Wagner
Ralph's Mobile Homes
East Highway 441

Titusville-305
Cherrydon Mobile Homes
900 No. Washington-AM 73873

Venice
Thomas Trailer Service
923 Nokomis Avenue
Loranie J. Thomas-3-6683

West Palm Beach
(E) Oil Burner Service
W. H. Oswald
2151 N. Spafford Ave.

GEORGIA

Albany-912
(E) Sadler Appliance Company
Tom Sadler
1507 Avalon

Athens-404
Mr. Winston R. Gregg
c/o Service Company
1244 Prince Avenue - (Rear)

P.O. Box 883-LI. 3-4829 or LI. 3-3379
Mr. Elmer A. Woods
c/o Athens Mobile Home Repair Service
2222 W. Broad St., P.O. Box 5277

543-2325

Augusta
Mr. E.R. Clark
c/o E & L Mobile Home Service
2860 Deansbridge Road

733-0668 (day) 722-3957 (night)

Columbus-404
Jo-Hi, Inc.

446 Brennan Road-687-1637

Trailer Gas Service
1439 Arta Vista Drive -FA-3-9700

Conyers-404
Mid-Georgia Natural Gas Co.
P.O. Box 116-Sales Dept. -483-4161

Mr. John E. Gamble
c/o East Point Trailer Park
Fourth Street - Lot #2-761-0783

Hampton
K. E. Jaquess Mobile Home Service
Route 2, Box 406-C-946-4467

Marietta
Mr. C.W. Bertram
The La Mar Co.
1379 Church Rd. -427-1456

GEORGIA (Continued)

Rome
Mr. W. E. Winfrey
Winfrey Heating Service
c/o Rome Mobile Home Brokers
P.O. Box 2165-234-2622

Savannah
Mr. E. T. Anderson
c/o Castle Mobile Home, Inc., P.O. Box 1314
Hwy. 17 South, at 52nd St. Ext. -232-4777

Paul F. Woods, Jr.
c/o Freddy's Mobile Homes Inc.
Rt. 4, Box 237E, U.S. 17 So.

236-2695 (day) 234-0881 (night)

Georgia Homes
Highway 17 South-234-5121

Valdosta-912
*Humphrey Refrig. Inc.
1104 West Alden-CH. 2-5008

Warner Robins-912
(E) Howard's Mobile Home Service
Howard I. Wodden
Route 1, P.O. Box 48

IDAHO

Boise-208
Wilson Heating Service
2021 College Blvd. -342-3917

Craigmont
Mr. Carroll R. Peck
c/o Peck & Son Furnace Co. -WA. 4-5852

Grace-208
Custom Heating Company
P.O. Box 234-425-3514

Idaho Falls-208
Sage Heating & Cooling
454 10th Street

Lewiston
Mr. Donald V. Crabb
c/o Home Service Center
630 Preston - SH. 3-0292 (Day)

SH. 3-5932 (Night)

Mr. M. L. Fisher
c/o Trailer Wrangles, Inc.
North & South Highway-SH. 3-8316

Mountain Home-208
Mountain Home Trailer Parts
1330 W. 65 - 587-4577

Payette
Mr. Charles F. Schultz
c/o Chuck's Heating Service
Route #1 - Box 242-642-4040

Pocatello-208
Mr. Leslie Henry
c/o Handy Service
4929 Yellowstone-233-4929

Tuckers Appliance Serv. Center
326 East Center-233-4608

Twin Falls
Mr. Jim Baker
c/o Baker's Mobile Homes
412 Addison Ave. West-733-3358

ILLINOIS

Beardstown
W.M. Hulst, Hulst Electric
Garden Street & Rte. 100

Bensenville-312
Mr. James (Tiny) Harris
c/o Tiny's Mobile Home Service
2909 E. Higgins Rd. Rt. 2, Box 60A

Route #2 - Box 335-827-0454

Bloomington
Tom Grove Mobile Home Maint. & Repair Serv.
Shady Knoll Trailer Ct., R.R. #3
829-1459

Mr. Raymond Vaughan
c/o Ray's Mobile Home Supply & Service
114 Greenwood Ave. -967-9706

Blue Island
Illinois Mobile Home Supply, Inc.
14225 S. Western-FU. 8-0008

Bourbonnais-815
Bourbonnais Mobile Homes
Service and Parts - 932-6826

Carbondale
Mr. John Short
c/o Shorts Heating & A/C
Box 312

Charleston
Mr. Gene Harpster
Harpster's Coles County Gas Co., Inc.
617 West State St. -DI. 5-3993

ILLINOIS (Continued)

Crossville
Mr. Eugene F. Grimwood
c/o Grimwood Electrical Supplies—206

Danville—217
Tiny Tim's Tin Shop
1922 Jefferson Street—446-1667

Decatur—217 F-5
Complete Mobile Home Service
125 Pershing Rd.—877-1122

Mr. Lawrence M. Miller
c/o Miller's Mobile Home Service
145 West Pershing Rd.—877-5180

Des Plaines
Mr. Eugene T. Boehle
c/o Gene's M.H. Service
815 East Oakton St.—Box 442—VA. 7-5684

East Alton—618
Fairfax Mobile Home Supply
222 East St. Louis Ave.—254-6328

East Peoria
Ripper Mobile Homes
3916 North Main

Freeport—815 A-4
Modern Plumbing & Heating
223 East Stevenson—232-5513

Granite City H-3
Mr. William Stonum
c/o Bill's Mobile Home Service Company
P.O. Box 216—TR. 7-4966

Jacksonville—21 F-3
A & R Repair Service
R. R. 1—245-8815

Lincoln
Mr. Preston Schroyer
Archie Fair
659 Fourth St.—732-6202

Marion—618 J-5
Mr. Robert J. Edwards
c/o Edward's Trailer Sales
R. F. D. #1 - P. O. Box 521—WY. 3-6163

Melrose Park—312 G-4
Schrader Mobile Home Service
1950 River Road—456-6797

Moline—309 C-3
The Novak Service
817 - 15th Street—762-8055

Olney
Mr. John R. Beal
c/o Mobile Home Service
R 3 West North Ave.—393-8451

Quincy F-1
Mr. David V. Ross
c/o Ross Mobile Home Service
R.R. #7—223-2001

Rantoul—217
Universal Trailer Service
410 South Tanner St.—893-1513

Rockford—815 A-5
Bill's Mobile Home Service
4114 11th Street—963-9515

Eleventh St. Mobile Home Supplies
3333 Eleventh St.—963-1660

Forest City Mobile Homes
3210 11th Street

Salem
John C. Toth
c/o Colony Mobile Home Sales
Rt. 37 No.—548-1253

Trenton
Mr. Willie B. Wallace
B & L Gas & Oil Burner Service
115 South Cedar AC4-9926

Urbana E-6
Mr. Edward R. Blackmore
R.R. #2—469-3201

Mr. Versel Viles
c/o Vert's Mobile Home Repair Service
R. F. D. #1 - Route 45—643-2413

Waukegan
Park City Service
Route 4 - Box 2201—ON. 2-2596

INDIANA

Bedford
Mr. Russell Cox
2334 - 29th St.—BR. 5-7017

Bluffton—219
Mr. Harold L. Wolf
406 Westfield Dr.—46714 -824-3778

Clermont—317 J-6
Robert D. Martin
B & M Heating
General Delivery—AX. 1-2185

Columbus
Sta-Warm Burner Service
808 Second Street—376-7594

Crawfordsville—317 E-3
Childress Mobile Homes
1301 So. Mill Street—EM. 2-6091

Decatur—219 C-7
Adams County Trailer Service, Inc.
803 N. 13th Street—3-3138

E. Indianapolis F-5
AAA Heating Service
3544 Biscayne Road
Heilman Heating & Air Conditioning
911 Plum Street—JA. 3-0980

Evansville—812 K-2
Tucker's Mobile Home Service
3304 North Baker Ave.—422-5597

Farmland
Mr. Eugene Stanley
c/o Stanley's Furnace & Sheet Metal Serv.
R. R. #1 - Box 23—5586

Fort Wayne C-7
Mr. Steven Tharp
c/o Tharp Heating & Air Conditioning, Inc.
5009 Avondale Drive—744-4126

Frankfort—317 E-4
Wyatt & Son Mobile Home Serv.
Highway 39 North—R. R. #7
654-6838 & 654-5680

Huffer Trailer Court—654-5680

Hammond A-2
Hoosier Mobile Home Htg. Service
6750 Calumet Ave.—WE. 3-7870

Hanover I-6
Jones Trailer Sales & Service
Route #1—UN. 6-5801

Indianapolis F-5
AAA Heating Service
8939 East 38th St.—TW. 8-1568

Burrough's Mobile Home Service
3744 W. Michigan — ME-1-2480

Jasper
Bob's Electric Service
Route #3—838-X

Kokomo—317 D-5
Brown Heating & Electric Service
1015 South Armstrong
GI. 7-3105 (day) GI. 2-1604 (night)

Mobile Home Service Center
OOEW 394 South—GL. 2-9911

Northside Plumbing & Heating
1212 East Markland Ave.—GL. 9-3159

Logansport C-4
Mobile Home Service Center
R. R. 3, Box 347A

Madison
Mr. Eugene Eversole
c/o Madison Heating & A/C Company
2050 Wood Street - 47251—273-3053

Marion—317 D-6
Greeno's Gas Heating & Appliance
3409 South Western (By Pass)
OR. 4-4769

Michigan City—219 A-3
Knuppel Mobile Home Service
MTD Route 9 - Box 75—TR. 2-6675

Monticello C-3
Loyall Fischer - R. R. #3—853-3293

Muncie E-6
Mr. Ross Hartley
c/o Hartley Heating Supply Company
1101 South Liberty—282-5914

New Carlisle A-4
Mr. Vernon Ewell Sr.
R. R. 1—N-L

North Manchester
Guthrie Electric
505 North Mill St.—982-2682

Osgood
Phillips Petroleum Company
Reynolds Gas Company
215 South Sycamore Street

Peru—219 C-5
Don's Mobile Home Service
P. O. Box 402—MU. 9-9553

Portage—219 F-7
Mobile Home Service Co.
2646 Dombey Rd.—962-1675

Richmond—37031

Creech & Catey Mobile Home Service
715 North West 5th Street

Seymour—812
Mr. Kenneth Findley
c/o Kenneth Findley Mobile Home Service
R. R. #4—522-5602

INDIANA (Continued)

INDIANA (Continued)

Shelbyville—317
Mr. Leland Lusk
c/o Lusk Ice and Heating
#53 West Fourth Street—EX. 2-2593

South Bend
Mr. H. J. Ramsey
c/o Ramsey's Residential Htg. Service
611 S Carroll St—AT. 8-3590

Terre Haute
Mr. Thomas
c/o Thomas Mobile Homes, Inc.
2300 Lafayette Avenue

Veederburg—317
Mr. Leon Stephens
c/o Stephen's Mobile Home Service
501 West Fourth Street—294-2359

Warsaw B-5
Mr. Norman Clay
Clay's Service
R. R. #2 —489-4208

Mr. C. Holland
Holland Mobile Homes
U.S. #30 West

W. Lafayette—R1. 3-8484 D-3
52 Inn Service Center
Mattox & Polley U.S. 52 North

West Terre Haute G-2
Mr. Hurley H. Green
Avenue Mob. Home Serv. & Sales
100 E. National—D-0783

IOWA
Bettendorf—319 F-11
Diamond Mobile Home Supply
P. O. Box 542—355-3241

Burlington—319 G-9
Meacher Heating & Air Conditioning
1213 N. 8th Street —752-4327

Cedar Rapids—319

Mr. Glen D. Wilson
Glen's Mobile Home Service
4101 16th Ave. S.W.

Council Bluffs—712 F-2
Vern Clausen's Complete Mobile Home Service & Parts
2000 S. 10th St.—322-1724

Des Moines—515 E-6
AT's Trailer Repair
5506 14th St.—262-9437

Mr. Merrell Steele
c/o Tink's Mobile Home Repair Service
812 East Broadway—282-1800

Claude Pett Trailer Repair
3622 5th Ave.—CH. 3-6771

Iowa City—319
Mr. Eugene Tisinger
c/o Gene's Mobile Home Repair Service
P. O. Box #750—338-7247 or 338-5863

Keokuk—319 D-6
Robert Kerr
Super Oil Company
1209 Main Street
524-1063 (day) 524-1797 (night)

Lisbon
Mr. Earnest R. Courtney, Box 161—455-4581

Oskaloosa—515
Mr. Edward Malloy
c/o B & M Mobile Home Service Company
1606-A Avenue East—673-7683

Sioux Center C-1
Mr. Marvin L. Fedders
c/o Mobile Home Service Center
154 Seventh Street N.E.—722-1675

Sioux City C-1
Bob Frakes
c/o Allied Services
P. O. Box 2514

* Mr. Henry Grubel
c/o Grubel Refrigeration Company
2707 East Second St.—2-0493

Waterloo—319 C-5
Marvin's Mobile Home Repair
Box 2544, Sta. A—AD. 2-9019

Webster City—515 C-5
Mr. Harold C. Nelson
Queens Mobile Homes Inc.
Hwy. 20 East —TE2-5715

KANSAS

Dodge City—316 D-4
Ross Heating & Plumbing Co.
300 First Ave.—HU. 3-3101

Garden City—316 D-2
*Cook Refrig.
1901 North Main—BR. 6-3388

Mr. Larry Kliesen
c/o Coast to Coast Stores
120 East Chestnut Street

BR. 6-7962 or BR. 6-5471

Goodland B-1
Goodland Sheet Metal
1121 College Ave.

Great Bend—316 C-5
K & T Mobile Home Service
East 10th St.—GL 3-8703

Kansas City
Mr. Wayne W. Jones
c/o AAA Home Trailer Co.
4848 State Ave.—AT. 9-4848

Liberal—316
Liberal Mobile Homes
East 54 Highway, P. O. Box 818
MA. 4-7701

Manhattan—913 B-8
Williams Appliance Service Station
224 Poyntz

Ottawa—913 C-10
Mr. H. W. Maloney
c/o Mobile Home Service
1526 South Hickory—CH. 2-4909

Salina—913 C-7
A & M Mobile Home Service
625 So. Broadway—TA. 7-7505

Shawnee F-11
Mr. Wayne Nicholas
c/o Nicholas & Son Mobile Home Service
6305 Pflumm 66216

Topeka—913 B-8
Mr. Jay Hubbell
c/o Hubbell's Central Service
3250 South Topeka Blvd.—AM. 6-6474

Memory Lane Service Center
601 W. 57th Street—862-1953

Wichita—316 E-7
Specialized Service Company
1912 West McArthur, Lot 21—JA. 4-7546

Todd Mobile Home Supply
4217 S. Broadway—JA. 4-6371

KENTUCKY

Ashland—606 B-10
Nelson's Trailer Service
4839 Boyd—325-3389

Bowling Green—502 D-6
Mr. Edward Nickols
c/o Hunt's Trailer Sales & Service
#31 West By Pass—843-8448

Corbin D-8
Mr. Jerry Poynter
Route #2 - Box 70-127

Florence A-8
Mr. Howard Henson
c/o Henson Mobile Home Service
#75 Sanders Drive—341-0361

Hebron
Ray's Mobile Home Service
59 Ridge Ave.—689-7546

Lexington B-8
The Robert F. Brown Company
1707 Harrogate Road—299-1878

E-Z Living Mobile Homes
155 New Circle Road

Louisville—502 B-6
Central Mobile Home Service
1722 Brich Kiln Lane

E-Z Living Mobile Homes
12301 Dixie Hwy.

Madisonville—502 C-4
Mr. Hershel O. Young
c/o Young's Mobile Homes
U.S. #41 - South—TA. 1-3212

Morehead B-9
Mr. Clay Perkins
Perk's Heating & Plumbing Co.
Flemingsburg Road—784-5232

Mount Vernon C-8
Mr. R. H. Hamm
c/o R. H. Hamm - Marketter, Box 298

Muldraugh C-6
Faulkner Electric Service
P. O. Box 367—W1. 2-3982

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

(E) Exclusive International Service Centers

KENTUCKY (Continued)

Owensboro
E-Z Living Mobile Homes
2401 N. Hartford Road

Paducah
Mr. Charles E. McAtee
c/o Mac's Trailer Repair-442-1806

Somerseset
Mr. L. C. Foley
c/o Sommerseset Mobile Homes
U. S. 27 South, Box 433, Rt. #2-678-4294

Jasper Mobile Home Sales
Interstate U.S. 27 & Kentucky 80
678-5432

West Paducah D-3
Mr. Charles E. McAtee
c/o Mac's Trailer Repair
Route #1 - Box 101-442-1806

LOUISIANA

Baton Rouge-504
T & T Enterprises Inc.
RR #6, Box 299-937-1912

Lake Charles-318 I-2
Mobile Home Service & Supply Co., Inc.
102 Malcolm Street, P.O. Box 1704
436-0873

New Iberia
Mr. Winston Teeter
Teeter Mobile Homes
1151 W. Main - 364-0604

New Orleans-504
R & G Mobile Home Specialists
11800 Chef Menteur Highway-242-2313

Mailing address P.O. Box 177
Hahnville, Louisiana

Shreveport-318
Mr. Roger R. Foster
c/o Foster Mobile Home Sales
P.O. Box 9006-631-9711

West Monroe-318
Farr's Trailer Mart
2806 Cypress-323-2763

MAINE

Auburn F-7
Mac's Oil Burner Sales & Service
McFalls Road, RFD #4, Box 50-784-0971

Bangor-207
Mr. Wm. L. Bridgeford
c/o Metropolitan Heating Service
23 Oak Street -942-7536

Brewer
Mr. Ronald J. Savoy
c/o Savoy's Mobile Home Service
R.F.D. #1 - Day Road-989-5535

Caribou-207 A-10
Loring Trailer Sales & Service
R.F.D. 2-492-1311

Eliot
Mr. Edward R. LaMarca
c/o Mobile Home Service
P.O. Box 62-D - Route #236

Gardiner-207 E-8
Halley Refrig. Service
21 Clinton St. -1847

Pridham's Oil Burner Service
Griffin St. -127-Gardiner 582-3930

Mexico E-7
Young's Mobile Home Service
9 Highland Terrace-364-2888

MARYLAND

Baltimore-301 C-9
Hensley Home Service Co.
760 Melville Avenue-467-8021

Fruitland
Mr. Roland F. Adkins
c/o R & B Trailer Sales, Inc.
P.O. Box 368-PI. 2-1805

Jessup-301
M & M Mobile Home Sales
U.S. Route 1, Box 291
799-2633 (day) 725-6937 (night)

Laurel
Mr. William L. Smith
c/o Smith's Independent Oil Company
Route #1 - Box 207-PA. 5-1239

Piney Point
Mr. Floyd Thompson
c/o Thompson's Service-994-0539 or
994-1269

MARYLAND (Continued)

White Plains-301
Jack Blair & Company
U.S. Highway #301-934-8921

MASSACHUSETTS

North Adams A-3
H. A. George Bottled Gas & Oil
Burner Service
651 Ashland Street-MO. 3-6652

Shrewsbury C-7
Mobile Home Serv. & Repair
25 Saybrook Rd-SW. 1-1801

Templeton B-6
Mr. L. P. Andrews
Willows Trailer Park
Athol Road-939-8147

Westfield C-4
Mitchells Mobile Home Repair & Parts
#2 Fedora Trailer Pk., Rte. 202
LO. 8-5125

MICHIGAN

Adrian K-5
Adrian Oil Burner Service
3438 E. Toledo Road-Rt. #2

Allen Park-313 G-10
John Marshall
6637 Lorne-DU. 2-3323

Battle Creek-616 J-4
Lakeview Hardware & Supply
660 Capital Ave. S.W.-WO. 2-7565

Mr. G. E. Millard
c/o Michigan Mobile Home Service
2517 Dickman Road-965-2331

Triangle Sales Company
993 E. Michigan-WO. 2-5537

Benton Harbor-616 J-2
Friendly Heating Co.
2197 Territorial Road
Wal 5-7827

Bridgeport
Galen's Trailer Service
6261 Dixie Hwy. -754-9891

Cara-517 H-6
Bernie's Trailer Sales
1510 E. Caro Road-OS. 3-3835

Davison-313 I-6
Mobile Home Service
G 1057 Carlson-PI. 2-0016

Detroit J-7
Eastland Mobile Home Service
15597 Eastwood-371-6147

East Tawas F-6
R. A. Meyers Company
113 E. Tawas Lake Rd.-FO. 2-2091

Edmore-517
Mr. DeMott
c/o DeMott Plumbing & Heating
1459 East Main Street-427-5229

Escanaba D-1
Mr. Jerome Deloria
c/o Deloria Sales
1412 Ludington-ST. 6-6097

Farmington J-6
Trailer Maintenance Co.
20832 Tuck Road

Gaylord-517 E-4
Paul Kammeyer
U.S. 27, So. -732-5740

Gwinn-906
Mr. John Ring, Box 160-346-6070

Hazel Park C-7
AAA Mobile Home Service
812 East 9 Mile

Iron Mountain-906
Donald Hamby
Star Route, Box 82-542-9018

Ironwood-906 B-5
Garvey Plumbing & Heating
600 Cloverland-Phone 785

Jackson-517 J-5
C. E. Landon Mobile Distributors
238 W. Euclid-ST. 2-7111

Kalamazoo-616 J-3
R. Paul Mobile Home Repair
8542 So. 131 Hwy.-DA. 7-3115

John M. Wiessner Heating & Appliance
822 Cobb Ave. -FI 3-1087

Lansing-517
Mr. John F. Beardslee
c/o Lansing Coleman Company
702 North Pennsylvania Ave.-484-3661

MICHIGAN (Continued)

Marquette-906
Bob's Awning & Bike Shop
1616 Kimber Ave.-CA. 5-0817

Niles-616
Bob's Mobile Home Service
2114 East Main-683-6590

Northville
Mr. Homer W. Green
Green's Mobile Home Service
23 Brookside Place 48167

Port Huron-313 I-7
Trailer Rental Service
2701 Howard St.-982-8586

Romulus
Mr. Wayne C. Hansen
Hansen's Mobile Home Service
23857 Valley Drive-282-8188

Saginaw-517 H-5
Michigan Trailer Lodge
4232 E. Genesee Ave.-PL. 3-2991

St. Joseph J-2
Mr. Howard W. Harris
c/o Harris Hydronic Heating Company
2900 Niles Avenue-983-1621

South Haven J-2
Paul Enders Mobile Home Specialist
Route 5, Box 471C

Taylor-313 G-10
Jim's Mobile Home Service
26027 1st-CR. 8-1845

Three Rivers
Hank's Mobile Home Service
Rural Route #1-279-5683

Traverse City-616 E-3
Pine Grove Trailer Sales, Inc.
420 Munson Ave.-WI. 7-6561

MINNESOTA

Alexandria
Mobile Home Adjusting Service
Route #4 - Box 13

Austin K-2
Robert Berg
1916 - 6th Ave. South East-HE. 3-7887

Bemidji-212 H-6
Mr. E. E. Stanbaugh
c/o Bud's Oil Burner Service
C-7 Highway #2 West

Deer River I-6
Joseph B. Novicki
c/o A. A. A. Trailer Supply Co.
U.S. Hwy. #2 -246-8538

Duluth-218 F-6-G-7
Northern Mobile Home Service
2130 Miller Trunk Highway 53 No. 700
727-5261

International Falls-218 C-5
Riverside Trailer & Cabin Ct.
Box 95-283-3474

Minneapolis-612 I-5-H-6
Jerry's Mobile Home Service
8654 Bryant South-881-3623

Warren's Mobile Home Repair
1313 104th Avenue N.E.-784-7644

Moorhead-218 F-1
Twin City Mobile Home Repair
1212 N. 14th St.-CE. 3-1589

New Richland-507 K-5
Olson Sheet Metal & Plumbing
465-8013

Rochester J-6
Mr. Tom Stensrud
Stensrud Trailer Service
230-10th Ave. N.E.

St. James
Mr. Clarence Haseman
c/o Haseman Service
Box 45-375-3501

Winona J-7
Mr. Harold Peterson
c/o Modern Oil Burner Service, Inc.
213 Center-8-2174

MISSISSIPPI

Biloxi-601
Mr. Henry J. Blanchard
c/o Mobile Home Air Conditioning Sales
964 Dewey Circle-432-1190

Corinth
Mr. Frank Polk
c/o Master Mobile Home Repair Service
210 Rene St.-287-1990

MISSISSIPPI (Continued)

Handsboro I-6
Coast Mobile Home Repair
Ralph LaPosser-Box 281

Jackson-601 F-5
Mr. W. M. Singletary
c/o Television Appliance Service Co., Inc.
311 West Pascagoula-354-5367

Lawrel G-6
Mr. C. Homer Hicks
c/o Hicks A/C & Heating Service
Wansley Drive, P.O. Box 651

Meridian-601 F-7
Akims Mobile Home Sales
Tom Bailey Drive
P.O. Box 4006 -482-6336

Natchez
James W. Holder
c/o Holder's Mobile Homes
P.O. Box 591 - 442-3666 (day)
442-2074 (night)

Vicksburg
Mr. Roy C Jordan
Jordan Repair Service
901 Speed Street

MISSOURI

Belton C-6
Mr. Coy W. Camp
c/o Camp's Mobile Home Service
1501 North Scott-ED. 1-2976

Benton-314
Ferrell Trailer Sales
Highway 77 East-KI. 5-3407

Columbia
Hawkin's Service
R.F.D. #7-GI. 2-4749

Crestwood K-2
Mr. Gunthrie (Gus) Hill
9618 Highway 66-VI. 3-6990

Fenton D-8
Jerry's Mobile Home Service
No. 1 West Lark Drive-DA. 6-0556

Henry Sieveking
Sieveking Oil Company
12960 Gravois Rd. - VI 3-4355

Iberia-314 E-6
Ponder's T. V. Service-SW. 3-3141

Jefferson City C-3
Mr. Sheldon Gentry
c/o Mobile Home Service & Supply
1230 Jefferson Street-635-3062

Kansas City-816 C-3
Mr. Donald Asbell
c/o Mobile Home Service Company
8620 East #40 Highway-WA. 3-5555

Kirksville A-5
Williams Htg. & Sheet Metal Co.
1115 So. Boudry Road

Knob Noster-816 D-4
B & R Supply Company
105 N. State St. -LO-3-2731

Louisiana
Mr. Mackie D. Love
c/o Appliance Service Center
223 North "B" Street-SK. 4-5516

Parkville D-1
Mr. Edward L. Boyd
c/o Ed's Mobile Furnace Service
5918 47th Way N.W.-SH. 1-1138

Poplar Bluff G-8
Bill's Mobile Home Service
R. R. #3, Hwy. 60 East

Sedalia D-4
Chaplin Mobile Home Service & Supply
Route #3-Box 25-TA. 7-0234

Springfield-417 F-4
(E) Turner Mobile Home Service
Red Turner
2609 East Kearney Rt. 11, Box 790

St. Charles D-8
(E) Joe's Mobile Home Service
Joe Jerobek
83 Rosewood Dr - RA 4-6807

St. Louis
International Service Division
3435 Chouteau Ave. -PR-1.3933

St. Joseph-816
Mr. E. J. McLean
c/o McLean Mobile Home Htg. & Air Cond.
Service Center
106 Country-Side Lane-AD. 3-3837

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

MISSOURI (Continued)

Union D-7
Mr. Austin J. Stephen
c/o Stephen's Mobile Home Service
415 Koelling Avenue—LU. 3-3448
Valley Park
Nelson Moses
AMCO Service Company
380 E. Hwy. 66, Box M-34
Waynesville—314
Central Trailer Repair
Rt. 2 Fort Leonard Wood
Main Gate—PR. 4-2302

MONTANA

Billings—406
Mr. Jeff Watson
1516 Cook
Black Eagle—406
Tom Wardall
Wardall Mobile Homes
P. O. Box 706 Haver Hwy. —452-5472
Bozeman—406
Mr. Tschache
c/o O Bar J Trailers, Inc.
900 North Seventh - Box #716
586-6104 or 587-7259
Glasgow—406
Char-El Trailer Sales—228-9223
Glendive—406
Char El Mobile Home Sales and Heating
—365-5000
Great Falls—406
Falls Mobile Home Center, Inc.
3434 Tenth Avenue South—454-0712
Havre—406
Klabunde Mobile Homes & Htg.
Highway #2 East—265-4732
Kalispell—406
Greg's Mobile Homes & Heating
City #7—Highway #2—756-7500
Lewistown—406
Hank's Trailer Sales & Service
Box 713 - By Pass Highway—538-5075
Missoula—406
Mr. Orville D. Bonebright
c/o Bonebright Sheet Metal
1800 South Fifth - West
Shelby
Don Snyder Trailer
Box 422—HE. 4-5633

NEBRASKA

Albion—402
Miller Trailer Sales
317 Main St. —395-2170
Bellevue
Greaves Mobile Home Service
P. O. Box 393
Columbus
Mr. Joe Van Dyke
c/o Van Dyke Service Center
Box 77, Rt 3 — 564-5048
Grand Island—308
Mr. Albert O. Snyder
c/o Snyder Heating & A. C.
416 West 11th
Mr. Warren Tankesley
c/o Warren Tankesley Mobile Home Repair
1720 South Lincoln—384-0602
Greenwood
Mr. Edwin D. Koehler
c/o Ed's Trailer Service & Repair
P. O. Box 216 —789-2195
Lincoln—402
(E) Ed's Trailer Service
Edwin Koehler
3250 Adams Street
Mr. Jerry Willis
c/o Mobile Home Supply
2630½ Adams Street—434-2085
Neligh
Mr. Eugene Wittrock
c/o Wittrock Plumbing & Heating—887-4155
Omaha—402
Fr. Crook Mobile Home Service & Supplies
4014 South 13th Street—731-3833
Mr. Marvin Stevens
c/o Marve's Mobile Home Service
11006 Harney - P. O. Box 1515,
Peony Park Station—333-6281
Ord—308 D-7
*Anderson's Air Conditioning
728-5131

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

NEBRASKA (Continued)

Sidney—308
*Hand's Refrigeration Service
Rte. 2, Box 25—254-3013
Valentine—723
Swanson Electric
423 W. 2nd St.
NEVADA
Las Vegas—702
Lomker's Trailer Service
451 N. 11th St. —DU. 2-8872
Vegas Trailer Supply
2808 - 10 Fremont Street—382-7913
Reno—702
Mr. Harold L. Foster
Electro Fix-It Shop
600 Freeport Lane
Old Orchard Trailer Supply
2295 S. Virginia
Mr. Andrew C. Ross
c/o Bob's Trailer Repair
775 Gentry Way—FA. 3-0153
Winnemucca
Mr. Ruben A. Palmer
c/o Winnemucca Mobile Homes
1420 East Second St. —MA. 3-2249

NEW HAMPSHIRE

Hudson—603
Mr. Lawrence E. Olson
Olson's Oil Burner Service
Darlene Lane, Box 614—TU. 3-7248
Laconia—603
Larson's Mobile Home Service
R. F. D. #1—LA. 4-5993

NEW JERSEY

Avenel—201
Murray's Mobile Home Service
2 "K" Street—634-4140
Hammonton—609
Domenico Oil Company
762 Twelfth St. —LO. 1-1583
Lyndhurst—201
Oberholtzer & Son
P. O. Box 252—933-0474
Middletown
*Mr. Harry F. Tracy, Jr.
c/o Tracy's Refrigeration & Air Cond.
6 Barbara Terrace—671-2929
Neptune
Bowker's Mobile Home Service
P. O. Box 281—774-0294
North Cape May
Mr. E. William Conover
c/o William Conover - Heating Contractor
304 Arctic Avenue—886-5306
Northfield—609
Chet Barr Refrig. & Air Cond.
107 Putting Green Avenue—ML. 1-6486
Trenton—609
Henry Ezzo Mobile Home Service & Repair
1599 Old Trenton Rd. —609-586-1998

NEW MEXICO

Alamogordo
D. M. H. Supply
Box 429
Albuquerque—505
Gunn's Travel Trailers, Inc.
7707 Menaul, N. E. —299-7694
Mr. Edwin L. Osburn
New Mexico Trailer Repair
10921 Acoma Rd. S. E. —299-1986
Carlsbad
Harvel Appliances
P. O. Box 161—TU. 5-2938
Grants—505
Trailer Parts & Service
P. O. Box, 2273 Milan Sta. —N-L
Roswell—505
Hoffman Plumbing Company
508½ N. Richardson—MA. 2-5050
Santa Fe—505
Cotton Butane Company, Inc.
Box 4037—982-3563
Socorro
Socorro Butane Company
Box 34

(E) Exclusive International Service Centers

NEW YORK

Albany
Mr. Lou Wormath
Lou's Mobile Home Repair
22 Leto Rd. 489-6482
Albion—716 C-3
Allen's Mobile Home Service
14116 Ridge Road—R. D. 4—LT. 9-9309
Blossvale—315
Mr. Howard J. Dillman
c/o Dillman Mobile Home Service
Pine Haven Trailer Ct., R. D. #1—337-4668
Batavia
Merle H. Lamkin
Lamkin Bros. Inc.
104 Cedar St. F13-8134 (day)
F13-2397 or L18-2828 (night)
Calcium
Mr. Robert E. Lake
c/o Lake's Trailer Sales
Box #80—Highway 11-North
SU. 8-7507 or SU. 8-2798
Cambridge—518 C-11
Mr. Henry S. Bates, Jr.
#8 North Parks Street—677-3421
Canandaigua—315 C-5
Patio Motel & Trailer Park
RFD #2—394-4377
Central Square
Mr. William H. Glenn
c/o Glenn's Home Heating—NO. 8-3777
Conklin—607
Mr. John L. Hrebencar
c/o John's Mobile Home Oil Burner Serv.
R. D. #1 - Shaw Road—723-4638
DeWitt—14 C-7
Mr. Kenneth Sebrén
Ken's Mobile Home Service
Erie Trailer Park—Lot #49—GI. 6-6507
Garnerville
Pat Swain Inc.
169 Railroad Ave. —429-4732
Geneva D-5
Mr. Michael G. Barry
292 Castle St. —789-6751
Glens Falls C-11
Grey Electric Company
Sunnyside Rd., Rte. 1—RX. 2-0872
Islip Terrace, L. I.
Mr. Joseph Aguila
c/o Personal & Mobile Service
254 Rockway St. —JU 1-3482
Johnson City—607 E-7
Joseph R. Fredette
c/o Endicott Oil Burner Service
Death Valley Rd., R. F. D. #2—PI. 8-7764
Ken's Trailer Repair Service
215 Trailer Village—729-3766 or 785-5912
Kingston—914
Mr. Bob Amsler
c/o A & W Mobile Home Service
Albany Avenue Extension
Lathan Trailer Sales—338-8711
Lackawanna—18 D-2
Poole's M. H. Parts & Service
1883 Electric Ave. —825-7423
Little Falls C-9
Steele's Mobile Home Service
R. D. #3
Massena—315
Mr. Floyd C. Payment
81 North Main St. —RO. 9-7525
Memphis E-9
Constant Comfort Control
Iona Corners
422-0031 (day) 689-8971 (night)
Niagara Falls
Mr. Eugene Trent
c/o Lucky Mobile Home Repair & Service
9370 Pine Ave. —297-0277
Norwich D-8
Hoke Heating Service
Box 281 - R. D. #1
334-2577
Oceanside, L. I. C-7
Mr. H. J. Adorno
c/o H. J. Adorno, Inc.
3362 Long Beach Rd. - P. O. Box 207
RO. 6-0758
Ogdensburg—315 A-2
Moring Star Homes, Inc.
R. F. D. #1 — 393-0890
Olean—716 E-3
Dom's Mobile Homes
P. O. Box 146—FR. 2-8632

NEW YORK (Continued)

Plattsburgh—518 A-5
Mr. William Gray
Box 320, R. F. D. #1—JO. 1-3820
Pomona—914
Pat Swain Heating & Electric Repair
74 Quaker Rd. —HA. 9-4732
Port Crane—607
Dick's Mobile Homes, R. D. 1—648-5859
Poughkeepsie—914 F-10
Ken's Mobile Homes Heating & Air
Conditioning
Noxen Rd., R. D. #2—GL. 2-5095
Rochester—716 C-4
Mr. Tom Edwards
c/o Complete Trailer Service
#14 Dalewood Drive—DU. 1-2237
Gordon's Mobile Home Service
1470 Clinton North—FI. 2-8115
Rome C-8
Liberty Mobile Home Repair
6557 Evans Rd. - R. D. #2—337-5341
Sidney E-8
Mr. Rolland A. Leonard
#15 Oak Avenue—LO. 3-5063
Skaneateles—315
Mr. Ernest Shimp
c/o Ernie's Plumbing & Heating Service
1410 E. Genesee St. —685-6016
Unadilla
Mr. Carlton L. Yanson
c/o Yanson's Mobile Home Service
P. O. Box 533A, 97 Main St
369-3593
Vestal—607 E-7
Dick's Mobile Home Service
204 Vestal Parkway—N-L

NORTH CAROLINA

Asheville B-3
Asheville M. H. Serv. Center
50 Elkwood Avenue—AL. 3-4444
Black Mountain—704 B-3
Service, Inc.
114 Second St.
Charlotte
Mr. Gordon Summerlin
c/o Mobile Home Repair Service
Route 7, Box 513 E
Mr. Frank W. Faires
c/o Faires, Inc.
3217 North Tryon Street—333-1195
Fayetteville
Mr. Ellis E. Ehle
E & L Service Company
1020-D Robeson St., P. O. Box 3072
Goldsbora
East Wind Mobile Home Service
1616 S. Slocumb Street, Lot #87
Jacksonville C-9
Eastwinds Mobilehome Supplies
347-1938
Midway Park—919 C-9
Eastwinds Mobilehome Supplies
Highway #24 - East—347-1938
Morehead City
Dowty Refrigeration Service
104 N. 13th Street—726-5500
Raleigh—919 B-8
Mobile Home Repair Service
1000 Downtown Blvd., Box 1091
Rocky Mount
Ben J. Layton
Box 385 Nashville Hwy. P. O. Box 222
446-5262
Statesville—704
Mr. Grady Bustle
c/o Bustle Mobile Home Service
Route 4, Box 82 —873-6435
Winston-Salem
Mr. Arrell L. Moore
c/o Moore's Mobile Home Service
4412 South Main St. —784-0843
Yanceyville—919
Mr. Bill R. Murphy
c/o Murphy Oil & Heating Company
P. O. Box 278
OW. 4-3131 (day) OW. 4-2771 (night)

NORTH DAKOTA

Bismarck—701
Tom's Mobile Home Service
309 South Third St. —233-0656

NORTH DAKOTA (Continued)

Devils Lake-701
Tuchscherer Furnace
818 Kelly-MO. 2-3797

Grand Forks
Mr. Clyde Bulock
c/o Service, Inc.
1426 South 19th Street-774-5920

Jamestown-701
Clark's Repair Service
803 7th Ave., S.E.-252-3031

West Fargo-701
Am - Can Supply, Inc.
P.O. Box 966
282-3335 (day) AD. 2-7904 (night)

OHIO

Akron-216
Art's Mobile Home Service
2160 Canton Road-699-2213

Astabula
Robert Dunham & Company
734 W. 30th Street

Bedford Heights
Bob's Mobile City, Inc.
26021 Aurora Road-232-1428 & 232-1429

Belpre-304
Wood Mobile Home, Rt. #1-423-7323

Celina-419
Kinnison Tin Shop
419 W. Warren Rd.-586-2481

Cincinnati-513
Dillingham Mobile Home Service
330 Reading Road 45215

Frank's Mobile Home Supply
5560 Chevoit Road

Cleveland-216
C & R Mobile Furnace Service
4958 Grayton Road-252-5961

Columbus-614
Authorized Mobile Home Sales
4336 Westerville Road at Morse Road
471-0550 or 471-0245

Town & Country Mobile Home Service & Repair
950 Barnett Rd -232-2277

Coshocton
Aid Mobile Home Service
235 South 5th St.-622-2967

Dayton-513
Mr. Jim Kirchner
c/o Jim's Mobile Home Supply
3895 North Dixie-278-5887

Elyria-216
Taylor's Mobile Home Service
219 University Ave.-FA. 2-7301

Findlay
Mr. Gene R. Dewey
c/o Gene's Mobile Home Repair
R.R. #3-422-4735

Greenwich
Mr. Melvin C. Hughes
c/o Woodlyn Acres Mobile Home Park & Sales, Route #2 - U.S. 224-752-3761

Hamilton-513
Melvin Gully Furnace Service
2317 Cardinal-736-7161

Lakeview
Black Hawk Trailer Sales & Service
R.R. #2

Lakewood-216
Mr. Emery E. Goll
c/o Lake Enterprises
16518 Detroit Ave.-LA. 1-6505

Lancaster
Dannies Mobile Home Sales
1718 N. Memorial Drive

LeMayne-419
Lafferty's Leisure Homes
Box 418 U.S. Route 20-837-3901

Lima-419
Plaza Mobile Home Sales
2145 Old North Dixie-226-2871

Logan-614
Dannies Trailer Sales
Route No. 3-Box 231

Mansfield-419
Central Ohio Mobile Home Serv.
75 Brickman Avenue-N-L

Marion
Mr. Don Wortz
c/o Marion Petroleum Service
411 West Center Street-383-5852

OHIO (Continued)

C-5 Winco Htg. & Air Cond.
635 West Columbia

C-7 Massillon
Art Gerlach
Massillon Heating Service
920 17th St. S.W.

E-5 Mentor
Mil-Rich Trailer Parts
Rte. 20-2169 Mentor Ave.

Newark
Dor-Mar Heating & Air Cond., Inc.
608 Hudson Avenue-329-7152

F-9 New Philadelphia
Schwartz Mobile Home Sales
1731 E. High Avenue-4-2043

J-4 New Vienna-513
Drake Trailer Service
2 Miles North of 73 at State
Road 729-987-3501

D-9 Niles-216
Ralph's Mobile Home Sales and Service
521 Youngstown Rd.-OL. 2-1333

B-10 N. Canton-216
Mr. Ed Swigart
1245 N. Main St.-HY. 9-6519

C-9 Parma-216
Mr. Kenneth E. Neuffer
c/o Ken's Mobile Furnace Service
10034 Pleasant Lake Blvd.-884-3753

J-9 Ravenna
Vickers Trailer Sales
3002 State - Route #5

F-2 Reynoldsburg
Williams Trailer Sales
6756 E. Main Street

K-1 St. Clairsville-614
Reliable Roofing & Heating
P.O. Box 92-695-3569

C-8 Sandusky-419
Best Mobile Home Supply
615 Horseshoe At West Monroe-625-1656

H-5 Stony Ridge-419
Stony Ridge Garage, Inc.
827-2881

Toledo-419
Air Con Air Conditioning Inc.
3003 Tremainsville Road

Toronto-614
Brewster Mobile Homes
1104 No. 4th St.-LE. 7-1526

I-3 Van Wert-419
Mr. Bernard A. Sterrett
c/o Sterrett's Home Equipment
234 South Washington St.-232-4966

D-7 Vienna-216
Mr. William H. Hagood
c/o Tri-City Mobile Homes, Inc.
Route #170 - Box 216-856-2303

Warren-216
Mr. Vernon E. Smith
c/o Smith's Fix-It Shop
2312 Difford Drive-652-1018

F-11 Wellsville
Smith Heating
715 Main St.-532-2305

J-2 Wickliffe-216
Hayes Trailer Service
30335 Euclid Ave.-WH. 3-6431

H-8 Zanesville
Zanesville Mobile Home Service
Box 141-M, Rte. 1,
Corvus Dr.-453-2677

OKLAHOMA

I-6 Ardmore
Couch Mobile Home Sales
1224 7th N.W. -405 CA 3-4670

Fletcher
Mr. Ike Derryberry
P.O. Box 254 -549-6963

Henryetta
Mr. James E. Littleton
c/o Littleton's Plumbing & Appliance Co.
301 North First Street-OL. 2-3182

E-6 Lawton-405
Mr. Carroll Pamplin
c/o Southwest Mobile Home Repair
P.O. Box 1123-EL. 3-2463

F-5 Miami
Mr. C. E. Trussler
c/o Trussler Sheet Metal
307 First Avenue, S.E.-Kimball 2-2065

OKLAHOMA (Continued)

Oklaoma City-405
Jack's Mobile Home Service
1213 No. Indiana-JA. 8-1638

C-7 Stigler
Mr. Gene Phillips
Mechanical Engineering Company
105 S. E. Sixth -HO 9-3848

B-9 Tulsa-918
Oklaoma Mobile Home Service and Supply
3119 E. Admiral Pl.-WE. 9-0453

Woodward
Restmore Mobile Home Sales
Rt. 3, Box 74 -AL-4-3001

OREGON

Albany-503
Mr. Bill Houfek
South Side Trailers
Route #3-Box 1011-WA. 8-7473

Astoria
Mr. Don Mitchell
c/o Columbia Oil Company
P.O. Box 184-325-4421 or 325-4319

Baker-503
Mr. Phil Stevenson
c/o Baker Bargain Center
3797 Tenth St.-523-2788

Bend-503
Mr. David Coe
c/o Dave's Repair
512 Roanoke-382-3288

G-10 Mr. Gene Patterson
c/o Ideal Gas & Appliance
Box 706-382-3823

Brookings-503
Mr. C. C. Johnson
R.F.D. #1, Box 70-469-2523

C-6 Coos Bay-503
Habor Service
170 Empire Blvd.

Eugene-503
Magic Gas & Appl. Co., Inc.
110 N. Hwy. 99
P.O. Box 3038 - 344-2283

D-2 Mr. Alan O. Maxwell
c/o Furnace Service & Sales
1325 Railroad Blvd., P.O. Box 3000
342-3323

Lebanon-503
Mr. G.N. Most
c/o "Norman" Camper Co.
5340 South Santiam-258-3945

C-5 Madras-503
Bill Johnson Furnace Sales
P.O. Box 536-475-3566

B-2 McMinville
Mr. David Bunn
c/o Bunn's Trailer Sales
Junction of Hwy. 99W. & 18
472-6181

B-3 Portland-503
Alltrans Trailer Supplies and Service
17500 S.E. McLoughlin Boulevard
OL. 4-3161 (day) OL. 4-5334 (night)

E-2 Crown Trailer Supplies
6600 N.E. Union-AT. 1-5849

Roseburg-503
Douglas Magic Gas Co., Inc.
1129 S.E. Flint-P.O. Box 302

Orville's Fix It Shop
531 N. E. Garden Valley Blvd.
OR. 2-4511

Salem-503
Doughton Trailer Service
1820 - 19th St.-NE. 363-3483

South Beach
Mr. C. Ted Howe
c/o South Beach Heating & Sheet Metal
Box 146-867-3533

B-5 The Dalles-503
R.A. Twiss Company
207 Federal Street-CY. 6-2720

A-7 Umatilla-503
Hagg's Trailer Sales
P.O. Box 183-922-3752

PENNSYLVANIA

Allentown-215
Mr. Robert J. Mahlon
Ace Mobile Home Serv. & Oil Co.
654 No. Jerome St.-434-3320

PENNSYLVANIA (Continued)

Aliquippa
Wesley R. Campbell
Superior Trailer Court
R.D. 1, Box 356 - 774-8816

Avella-412
Hugh E. Parker Service
RD # 2-587-3123 or 587-3114

Bowmansville
C.M. Good Oil Heating Serv.-445-0207

Catsaqua-215
Roy's Mobile Home Service
316 Tioga Street

E-8 Cornwall
Mr. R. C. Iceman
c/o Iceman Mobile Home Maintenance
Box 188-273-4055

B-6 Cornwells Heights
Terry's Mobile Home Service
1302 Bristol Rd.-ME. 9-2422

Fayetteville
Johnston's Oil Burner Service
Box 261 -352-3172

Greensburg
Saylor's Mobile Home
R.D. #3, Box 138B - 834-8028

B-10 Hawley-717
Robert Laabs
R.D. #1, Box 277-226-4957

Hummels Wharf
Mr. Foster S. Shrawder, Jr.
c/o S.R.S. Electric
P.O. Box #95-743-4572 or 743-4573

Jennerstown-814
Kreger Mobile Home Service & Repair
P.O. Box 117-MA. 9-6222

E-4 Johnstown
Leckey Mobile Home Service
1220-30 Wm. Penn Ave.-539-6464

Kutztown
Howard W. Hoffer
Tri-State Trailer Sales, Inc.
R.D. #2, Box 161-285-4461

Lancaster
Webb's Mobile Home Service & Supply
189 Hempstead Rd.-397-1582

E-8 Lebanon
TV Appliance & Heating
Box 519-273-1261

Lemont
Mr. John H. Mitchell
c/o Nittany Trailer Sales
Box 148 -238-0372 or 238-6870

Mechanicsburg
Mr. Roy E. Klinger
4725 Carlisle Pike

E-8 Middletown
D & R Mobile Home Service
1275 Vine St.-Mtd. Route
717-944-6008

C-1 Mt. Aetna-717
Homer Gassert-933-4237

New Castle
Rice Mobile Homes
Rte. 422W
R.D. #2-OL. 8-9851

C-4 New Paris (Bedford)-814
Roy E. Meredith Oil Burner Service
RD # 1-839-2294

E-9 Reading-215
Ash Mobile Home Serv. & Sales
1144 Robeson St.-376-2290

C-3 Saxtonburg-412
International Oil Burner Service
352-1918

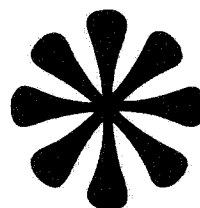
Scranton
T. J. Lavelle Heating & A/C
419 New York Street

C-1 Sharon
Twin Trailer Sales
240 Route 18-347-7782

State Line
Keefer's Service Center
Greencastle-597-7426

St. Mary's
Mr. John J. Frick
c/o Frick Plumbing & Heating
112 Atlantic Street-834-4015

A-3 Warren
Mr. William L. Spetz
c/o William L. Spetz Heating & A/C
213 1/2 Onondaga Avenue-P.O. Box 854
723-8119



**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 6

THE LPG (LIQUID PETROLEUM GAS) SYSTEM

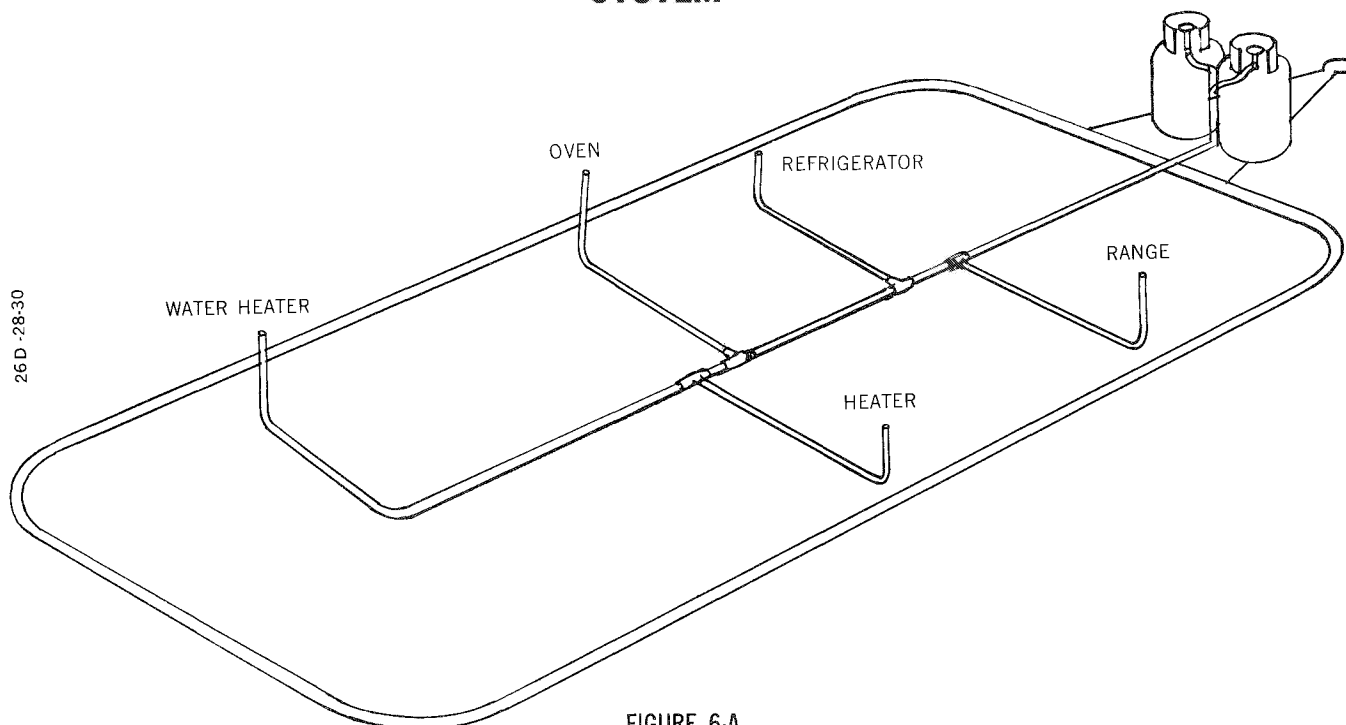


FIGURE 6-A

Your Airstream is equipped with two bottles for LPG (Liquid Petroleum Gas). LPG burns with a clean blue flame and produces much more heat than natural gas. There are two basic types of LPG in common usage: Butane and Propane. Butane is widely used where temperatures are normally above freezing the year around and Propane is used where sub-freezing temperatures are common, since Butane freezes at 32°F as compared to 0°F for Propane. All of the orifices in your Airstream LPG appliances, except the furnace, are of the universal type which will burn either fuel. Check with your dealer to see if the furnace orifice is Butane or Propane. If you wish it changed to the other fuel contact your nearest International Service Point as listed in this Manual.

How long a full bottle of gas will last is of course dependent on usage. In cold weather when you are using the furnace extensively; large amounts of hot water; and are doing extensive cooking, you will naturally use more than you will in warm weather and when you do limited cooking. On the average, with normal cooking and other appliance use, you can probably count on three weeks service from each full 28-lb. bottle.

Your Airstream has as standard equipment an Automatic Gas Regulator. Both tanks are connected to

the A.G.R. and are turned on. Gas is drawn from only one bottle at a time and when the bottle being used is depleted the A.G.R. automatically switches to the full tank. An indicator on the A.G.R. points toward the tank being used to give you a visual reminder when one tank is empty. The empty tank can be removed for refilling without disturbing the tank being used. Simply disconnect it, have it filled and re-connect. When the tank being used is emptied, the A.G.R. will automatically switch over, provided the other tank valve is also open.

To remove the gas bottle, disconnect the tubing nut with a wrench and loosen the large wing nut which holds the bottle in place. The tubing nut has a *left hand thread* so be sure to always turn it *clockwise* to loosen and counter-clockwise to tighten. When replacing bottles, connect and tighten bottles before clamping them in place.

If you have allowed both bottles to run out, air may have gotten into the lines. In this event the air must be forced out through the lines by the gas pressure before you will be able to light your pilots. Hold a match to the pilot of the appliance closest to the tanks until it lights. Then move to the next closest, etc.

Figure 6-A is a diagram of the LPG system in your Airstream.

CHAPTER 7

THE RANGE AND OVEN

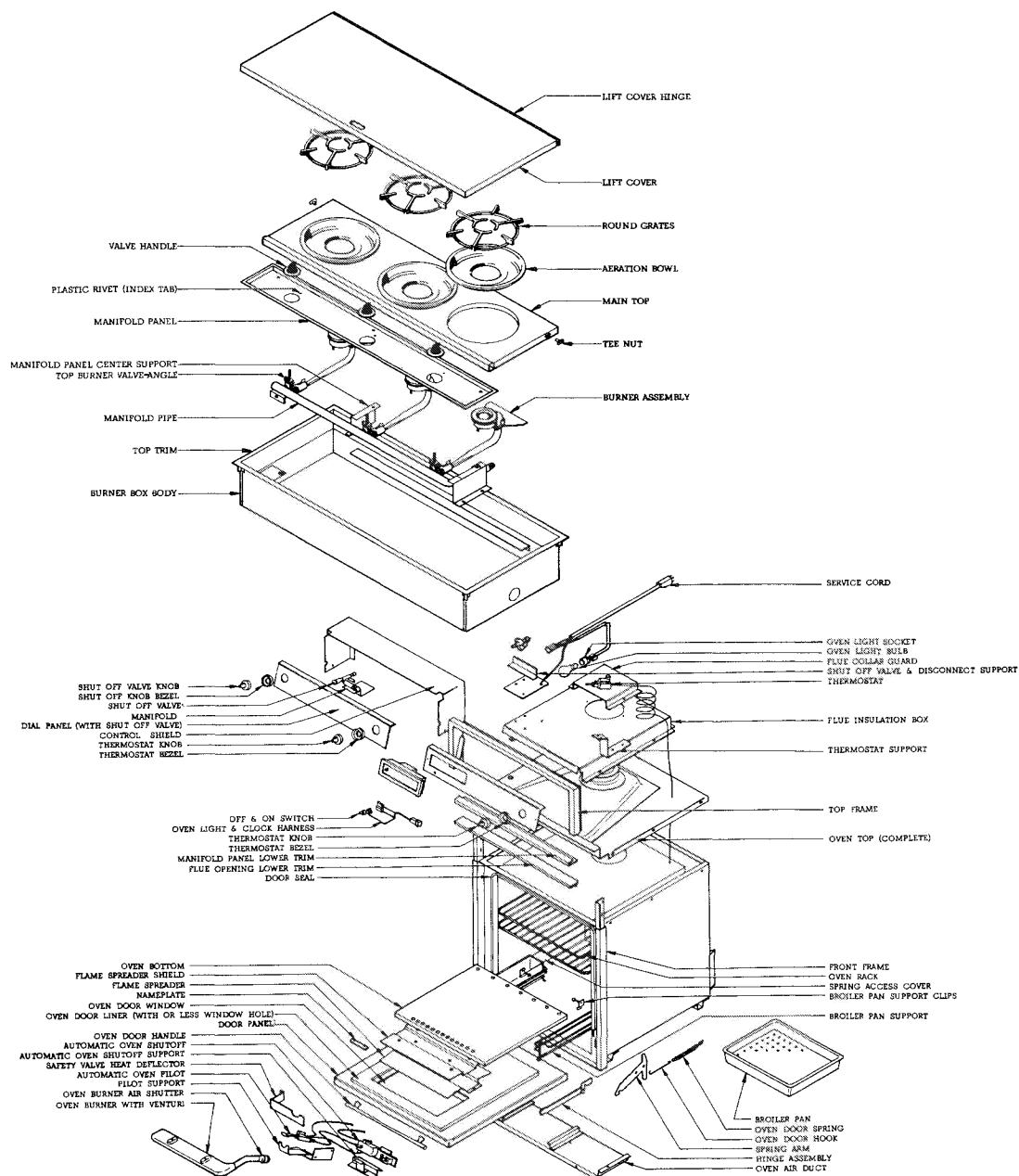


FIGURE 7-A

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 $\frac{1}{2}$ -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. Never allow the top cover to be closed while the stove is in operation, as this will extinguish the flame and permit the gas to escape into the trailer.

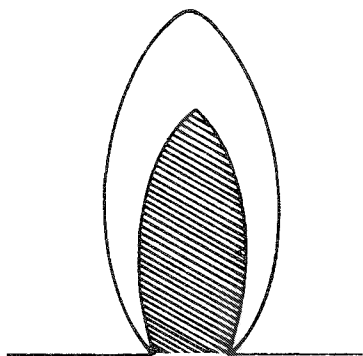


FIGURE 7-B

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. 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.

2. 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 oven gas shut-off valve is the left-hand knob on the face of the oven. It should be turned off when traveling, or when gas tanks are being changed. You need not re-light the pilot unless you want to use the oven.

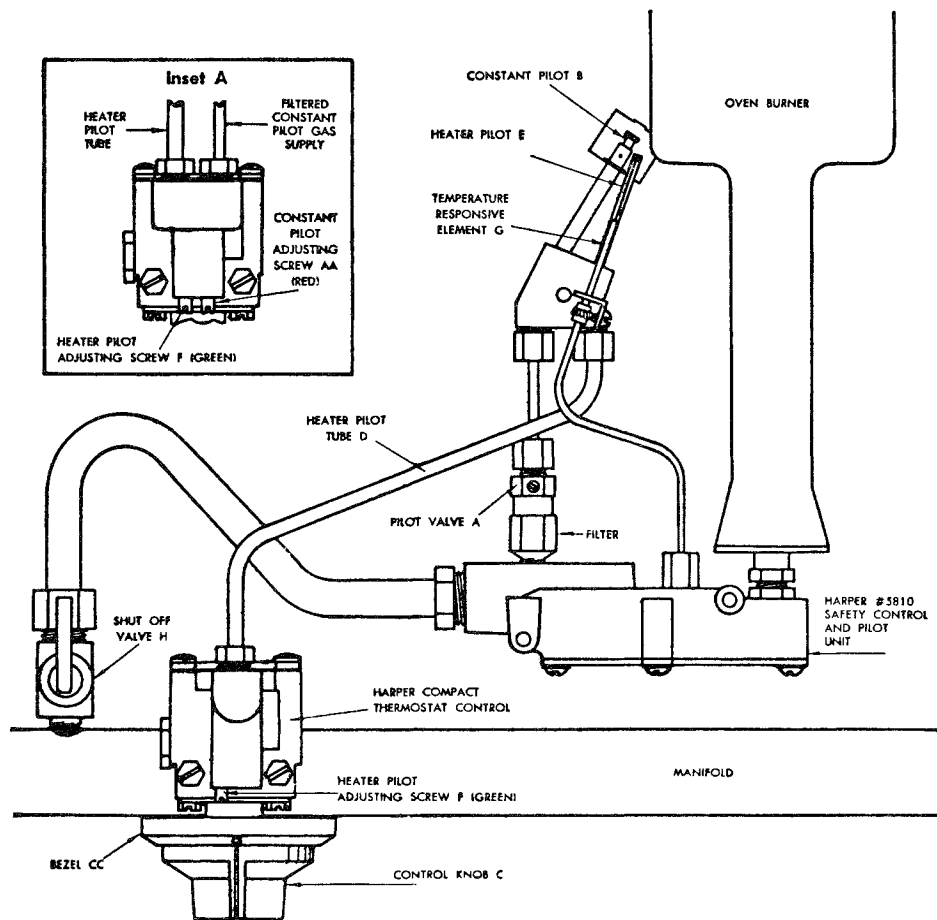


FIGURE 7-C

CHAPTER 8

THE REFRIGERATOR

Your Airstream is equipped with an A.G.A. approved Dometic gas-electric 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.

LIGHTING THE BURNER

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 the open position. Push electric switch "F" down to "Off" 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 and hold the button a few seconds longer.

Incorporated in the burner bracket is an automatic

flame failure device which allows gas to pass only when the burner is lighted, keeping the thermocouple hot. Should the flame be blown out, the thermocouple will cool and the device will cut off the flow of gas to the burner.

IMPORTANT — always make certain that electric switch "F" is off before operating the refrigerator on gas.

FOR ELECTRIC OPERATION

1. Push Switch "F" up to the "ON" position and turn gas lever "A" counterclockwise to the "OFF" position.
2. Check to be sure the electrical cord is plugged into its 110-volt convenience outlet.
3. Turn the electric thermostat to a setting of 4. The refrigerator is now in operation.

THE THERMOSTAT

This refrigerator has automatic thermostatic control of the temperature in the food storage space. The gas thermostat (GT) controls the temperature during gas operation, while the electrical thermostat (ET) controls the temperature during electric operation. 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 during gas operation. During electric operation the thermostat cycles the flow of electrical current to maintain the set temperature.

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

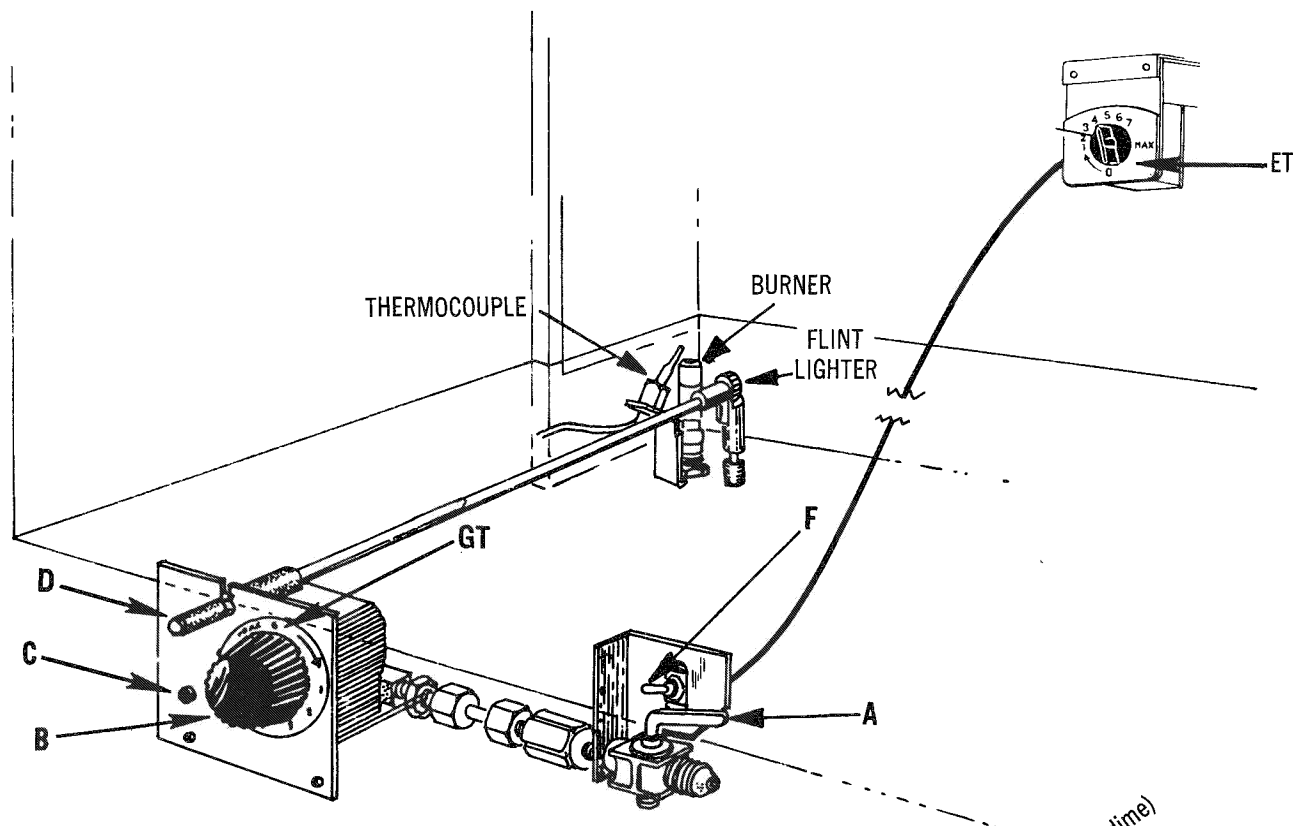


FIGURE 8-A

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 or place a pie tin with some barbecue charcoal on the shelf.

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.

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

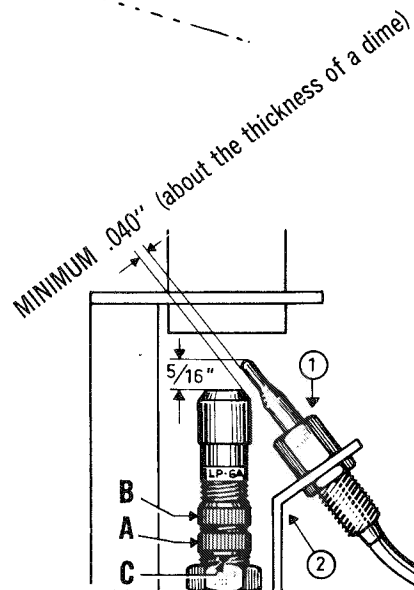


FIGURE 8-B

CAUSES AND REMEDIES

- a. 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

- a. Flame blow-outs can be caused by excessive wind. 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

- a. 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.
- b. 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:

- (1) Unscrew the large cap screw at the rear of the thermostat and remove the ball. Clean seat and ball and replace.

- (2) 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.

- 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

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

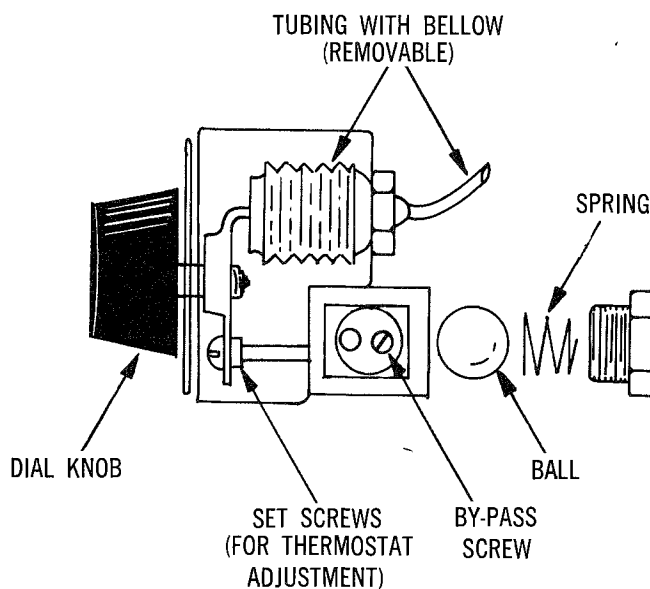


FIGURE 8-C

CHAPTER 9

THE FURNACE

The furnace in your Airstream is an International MGF 1525 model, sealed combustion system furnace. It has been tested and listed by Underwriters' Laboratories, the national testing agency for safety — your assurance for safe operation.

Since it is a sealed combustion system furnace, fumes and gases cannot pass from the furnace to the room air. It is thermostatically controlled, has an automatic air circulator to distribute the heat, automatic safety controls and air filtering system.

The following information will help you to obtain the best performance, with the maximum economy, from your Airstream furnace.

STARTING THE FURNACE

Follow the operating instructions on the front of the furnace blower housing.

POWER SUPPLY

The furnace operates from the 12 volt DC battery power supply. When the battery is almost exhausted, causing the voltage to the air circulator to drop, the air circulator wheel will operate more slowly. The limit control will shut off the main gas supply when the temperature inside the furnace reaches the safe maximum. The burner will remain off for some time, and will re-cycle for only a few minutes. The "off" period will become longer and longer until the air circulator will no longer run — meaning that the battery is completely exhausted.

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 a cross ventilation. This will not effect the operation of the furnace.

CAUTION

The flue gases from the furnace are vented outside your trailer through a vent in the outside wall immediately opposite the furnace. 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 the trailer is moving. To shut off the furnace, depress the gas control knob slightly and turn to "off"; set the current to "off."

THE OPERATION OF YOUR FURNACE

Air is circulated through your furnace providing a uniform floor-to-ceiling heat in all areas. Room air is drawn through the filter, heated and then distributed throughout the living area.

By circulating all of the air in your trailer through the filter every five or six minutes, the air circulator of the furnace keeps the air free of dust. The removal of air-borne dust leads to better health and reduces "house cleaning" time.

The filter should be removed and vacuumed after two weeks' operation to insure best performance. Replace filter with the same side out after cleaning. Filters are available through your Airstream dealer or any authorized International Service point as is shown on the enclosed list. Filter size is 13- $\frac{3}{4}$ " x 14- $\frac{3}{4}$ ".

SAFETY PILOT VALVE

This valve provides 100% shut-off of gas if the pilot flame should go out. To light furnace when pilot flame is out, follow operating instructions on plate attached to furnace.

MAIN GAS CONTROL VALVE

This valve allows gas to flow to the main burner when the thermostat "calls for heat" and stops the flow of gas when the thermostat is "satisfied." All working parts of this valve are permanently sealed and lubricated so that the valve operates silently at all times.

PILOT BURNER

The pilot burner provides a continuous flame for lighting the main burner and heating the thermocouple to provide the voltage needed to hold the safety pilot valve open. The pilot flame can be adjusted for larger or smaller flame. To adjust, remove the cover screw from the gas control — the pilot adjustment screw can then be reached. Turn the adjustment screw down to decrease the size of the flame and out to increase the size. The pilot flame can be seen by opening the hinged door in the combustion chamber. If the pilot flame is set too low, the thermocouple will close the gas valve. The 100% shut-off of the gas control is a safety feature of the furnace. Too high a pilot flame, will cause the circulation fan to cycle. If you leave the pilot on during the warm mid-day, do not be

concerned if the fan cycles, since this is a natural function.

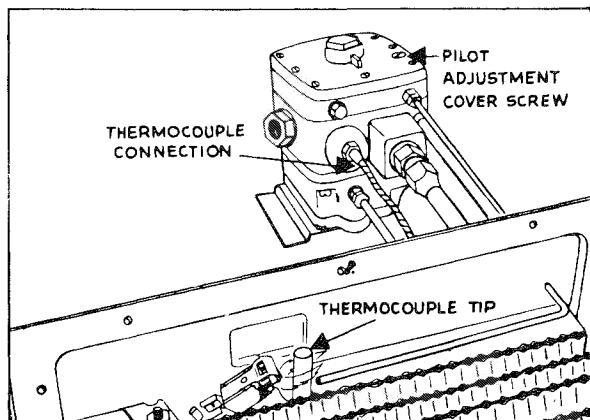


FIGURE 9-A

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.

MAINTAINING YOUR FURNACE

Your furnace is designed for maximum safety under all operating conditions. To insure service free operation keep the furnace clean and free of dust and lint. Follow the maintenance procedure as follows:

AFTER TWO WEEKS OPERATION

Remove the filter and clean with a vacuum cleaner. Replace with new filter after every two months of continuous operation. Do not operate furnace without filter.

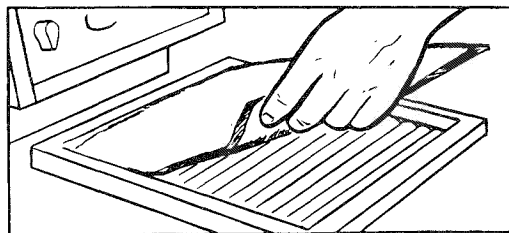


FIGURE 9-B

AFTER THREE MONTHS OPERATION

Oil air circulator motor with 5 drops per bearing of SAE 20 motor oil. Never use light machine oil. Check and clean thermostat contacts by drawing a piece of lint free paper through the space between the contacts.

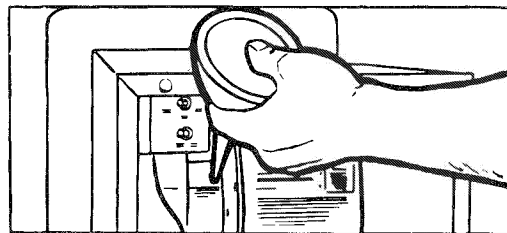


FIGURE 9-C

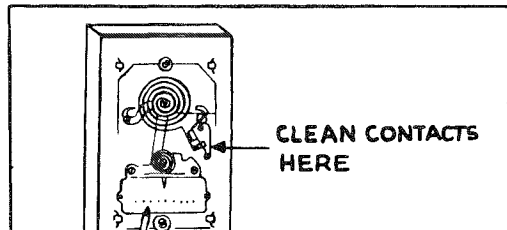


FIGURE 9-D

AFTER SIX MONTHS OF CONTINUOUS OPERATION

Remove the vent from outside the trailer and check for obstructions. To remove, lift upward after removing two screws near bottom of vent. Check vent louvers and combustion air passageways for leaves, dirt, etc. Remove deposits from top vent if deposits are present.

Clean outlets of air ducts with vacuum cleaner to remove lint and dust and insure clean air circulation.

Have a service man remove the air circulator wheel and clean it. To remove the assembly, turn the gas control knob to pilot, set current switch to Off and allow furnace to cool. Unplug air circulator motor and

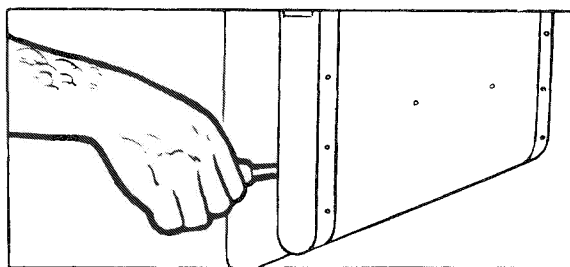


FIGURE 9-E

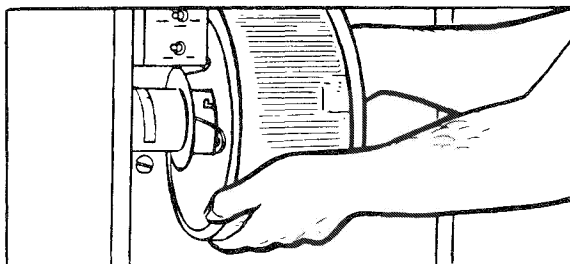


FIGURE 9-F

remove nut on right side while supporting housing. Pull housing to right and lift assembly from furnace. Clean dust and lint from air circulator wheel and motor. Use ¼" Allen wrench to tighten wheel set screws to flat of motor shaft when reassembling, and see that motor ground wire is in place.

TROUBLE SHOOTING

Make the following checks if your furnace is not operating properly:

1. Check that there is gas in tank and valves are open.
2. Re-set any tripped circuit breaker switches.
3. Check to be certain that air filter is clean.
4. Check that air circulator is plugged into its power receptacle.

5. Check that pilot is on.

If furnace does not operate after these five checks have been made, contact one of the service depots listed on the following sheets.

TROUBLE SHOOTING

CAUSES & REMEDIES

Trouble — Pilot goes out

- a. Adjust pilot flame.
- b. If pilot will not remain lighted check tightness of thermocouple connection in back of gas control.
- c. You may have a poor connection in the electrical circuit — call a service man to check the circuit.

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 left rear of the trailer.

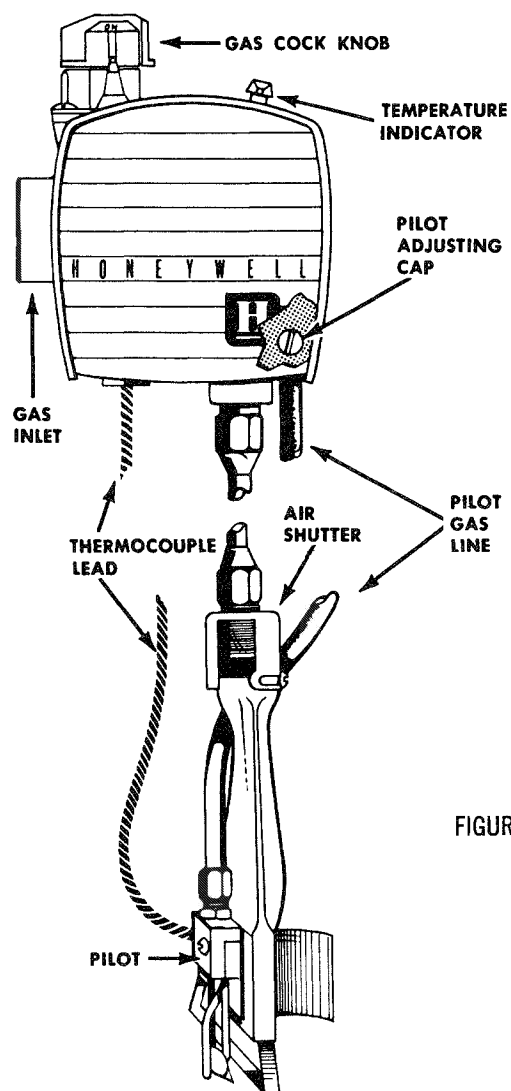
Procedures for lighting or re-lighting are as follows:

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.



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.

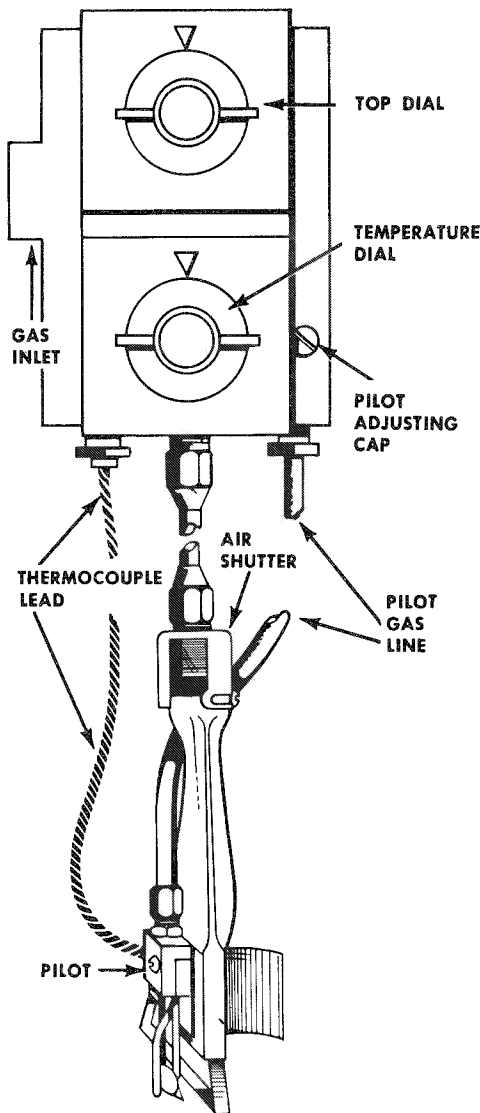


FIGURE 10-B

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).

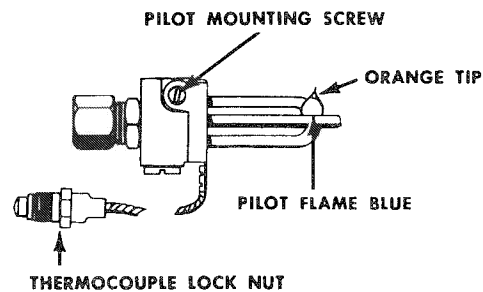


FIGURE 10-C

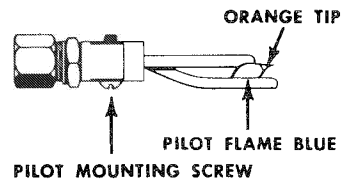


FIGURE 10-D

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

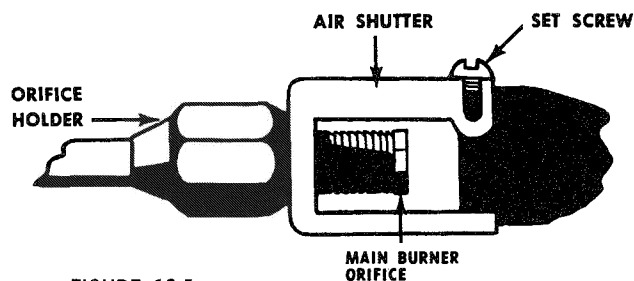


FIGURE 10-E

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.

CHAPTER 11

THE ELECTRICAL SYSTEM IN YOUR AIRSTREAM

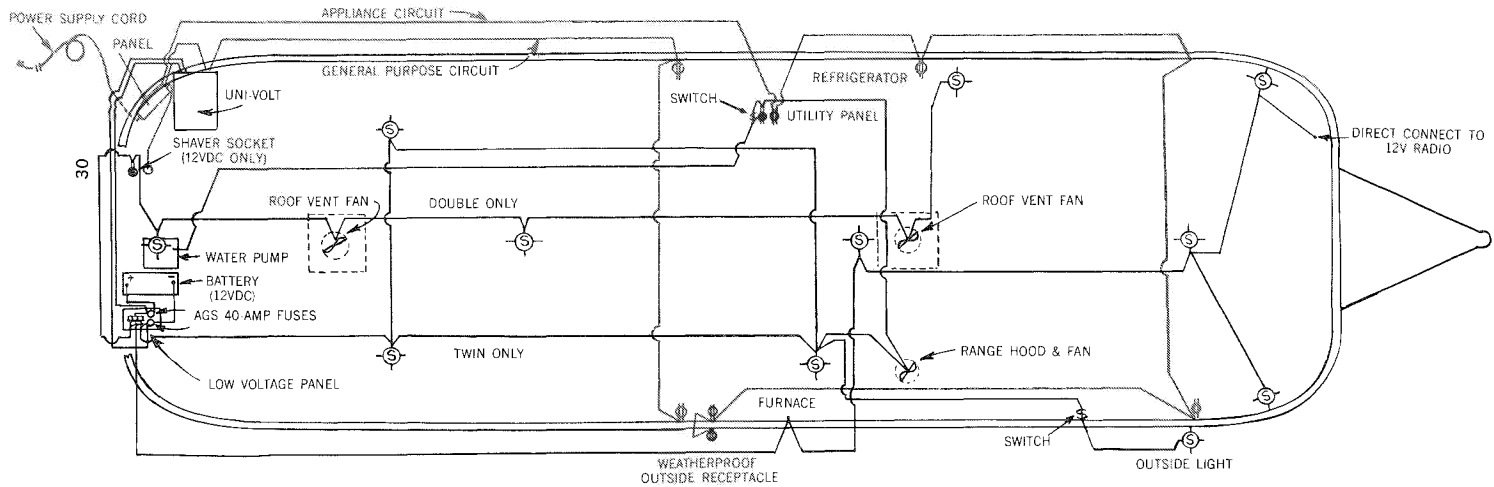


FIGURE 11-A

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, range fan, and furnace air circulator operate from the self-contained battery power without outside hook-up. 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 transformer and rectifier. 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 fuses and 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 box inside the rear wardrobe.

WHEN YOU ARE OPERATING YOUR AIRSTREAM SELF-CONTAINED

All that is necessary to operate the UNI-VOLT system on battery power is to disconnect the power supply cable from the city power receptacle.

All 110-volt convenience outlets and the air conditioner, if you have this optional accessory, 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:

Pull power supply cable out of the storage compartment and plug into city power.

NOTE: Be sure polarity indicator light (located in the One-Stop Service Center) 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:

- 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.
- Clamp ground line to junction box or other ground such as a water pipe, then insert two-prong plug into the receptacle.

- After cord has been connected look in the One Stop 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.

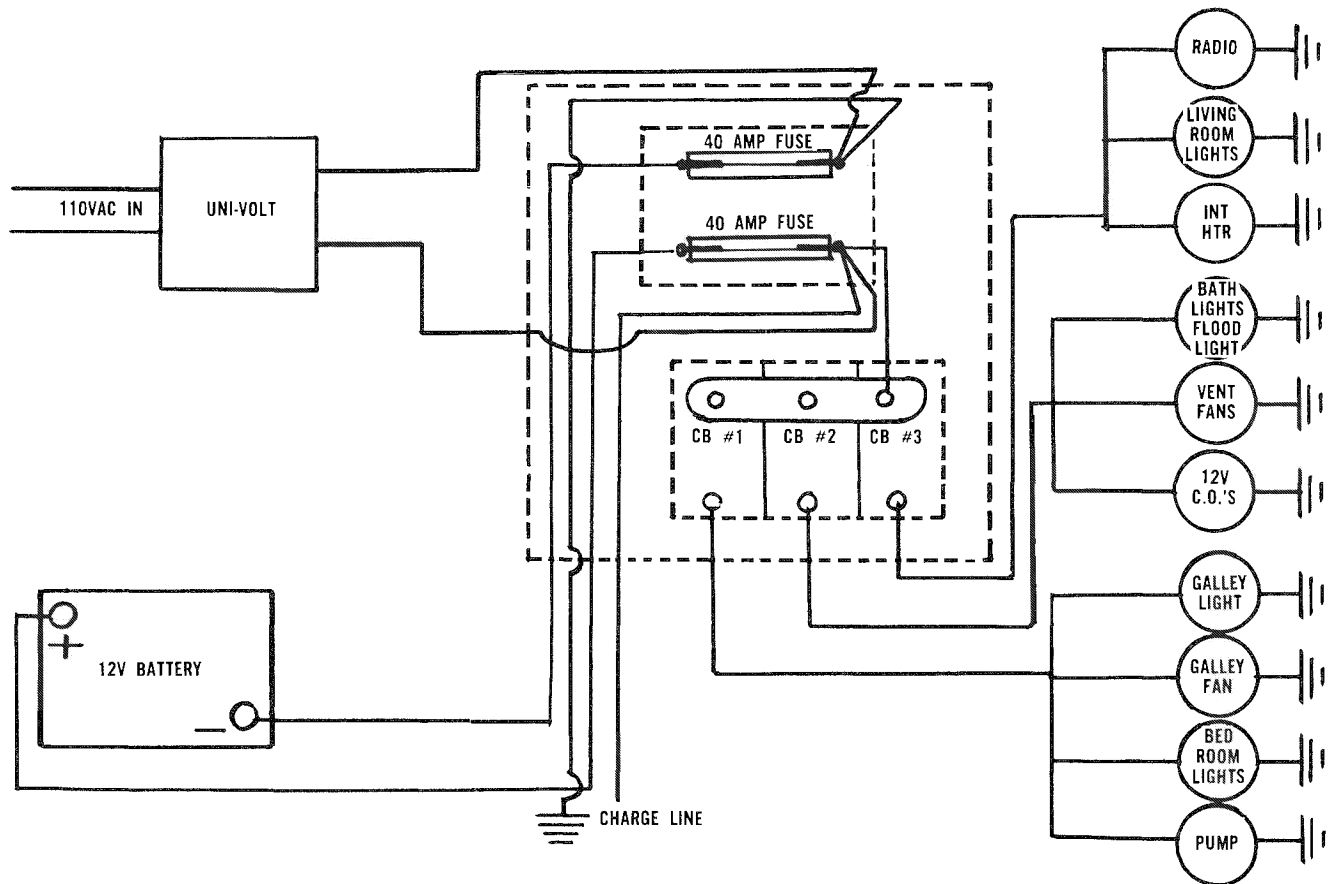


FIGURE 11-B

CHAPTER 11

THE ELECTRICAL SYSTEM IN YOUR AIRSTREAM

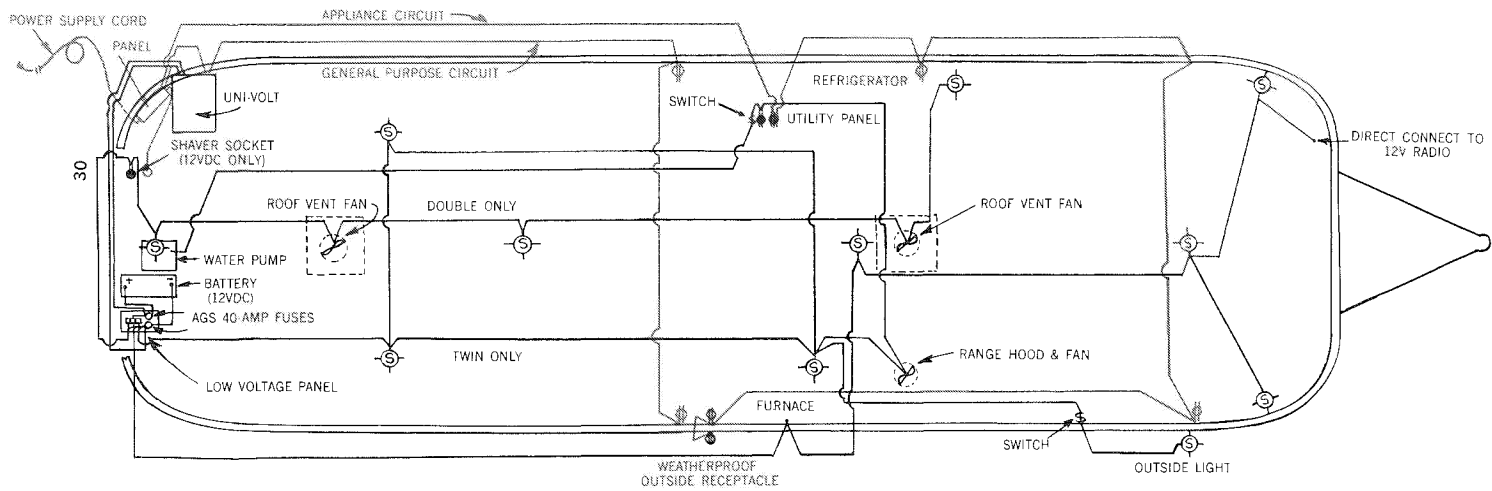


FIGURE 11-A

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, range fan, and furnace air circulator—operate from the self-contained battery power without outside hook-up. When you are hooked up to city power, everything operates automatically on the 120-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 high-capacity combination 12-volt DC power supply and battery charger with all solid-state circuitry. Additional 120-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 Prestolite, warranted for 24 months. For service or replacement, go to any service station or dealer displaying the Prestolite 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 fuses, and by 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 120-volt city current, the wiring is protected by circuit breakers located in the panel box inside the rear wardrobe. In the event of failure of a 120-volt circuit, check the cir-

cuit breaker first. If the breaker continues to trip after you have re-set it several times, your circuit may be overloaded with appliances, or there may be a short in the circuit. If lessening the load on the circuit does not solve the problem, consult an electrician. In models with factory-installed air conditioning, a separate 120-volt circuit with separate circuit breaker is provided to avoid possible overloading of the appliance circuits.

WHEN YOU ARE OPERATING YOUR AIRSTREAM SELF-CONTAINED

All that is necessary to operate the UNI-VOLT system on battery power is to disconnect the power supply cable from the city power receptacle.

All 120-volt convenience outlets and the air conditioner, if you have this optional accessory, will now be inoperable. (In the case of the 17' Caravel, it is necessary to throw both switches in the trunk to the "Battery Power" position.)

TO OPERATE WITH CITY POWER

To operate the UNI-VOLT system in your Airstream trailer from 120-volt AC city power, the procedure to follow is:

Pull power supply cable out of the storage compartment and plug into city power. In the 17' Caravel, throw both switches in the trunk to the "City Power" position.

NOTE: Be sure polarity indicator light (located in the One-Stop Service Center) 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 check the polarity indicator light. If it is on, pull out the plug, turn it 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 120-volt, not 220V.

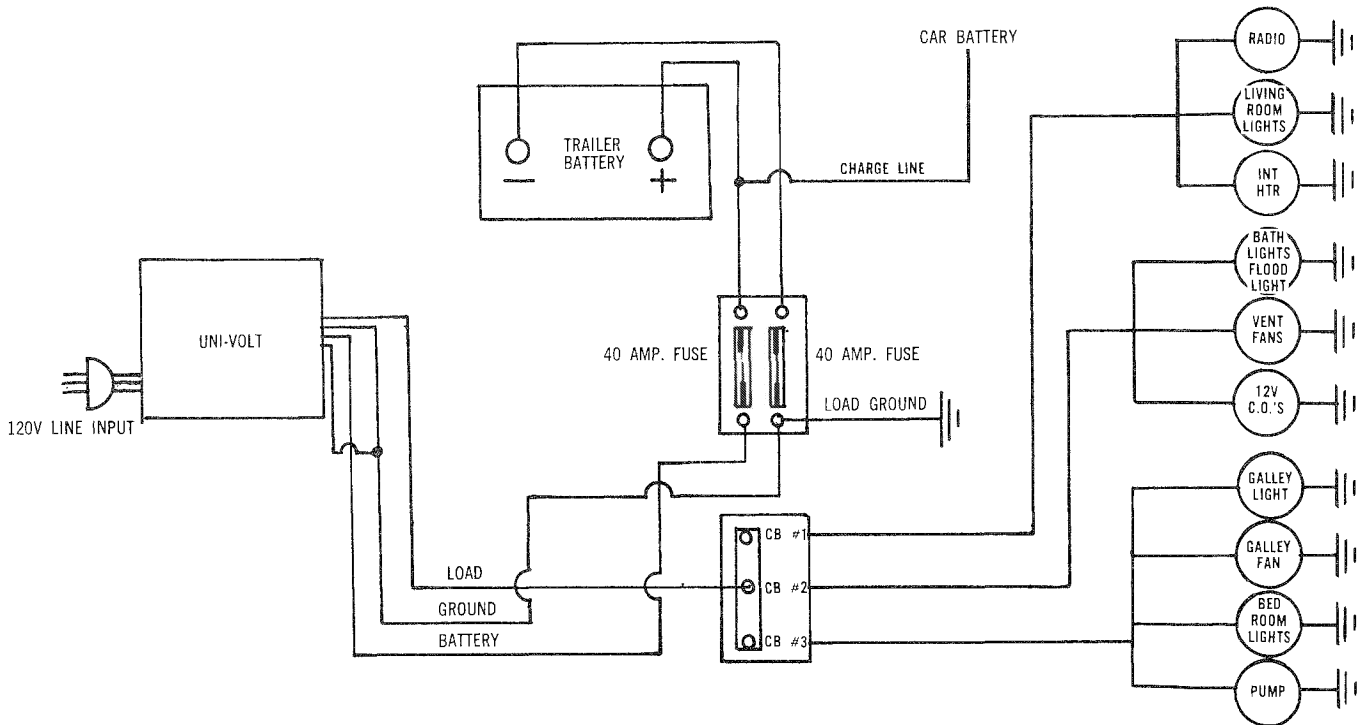


FIGURE 11-B

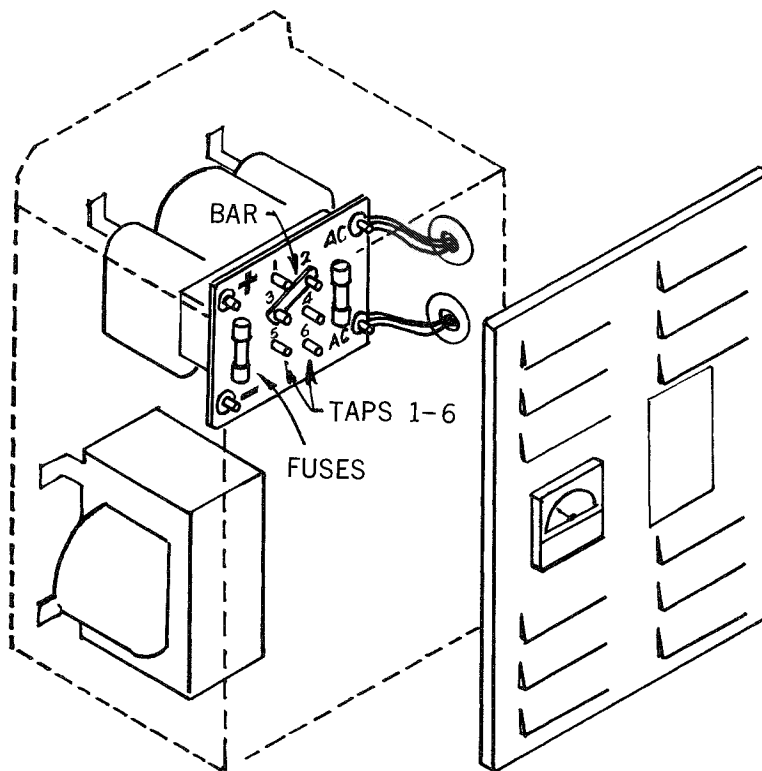


FIGURE 11-C

OPERATING AND SERVICE INSTRUCTIONS — UNI-VOLT CHARGER

The UNI-VOLT Silicon Rectifier is designed to operate automatically without adjustment for normal operating conditions. Once installed properly, it needs no attendance or maintenance. The system is designed to automatically recharge the battery while simultaneously supplying the DC load to the trailer, when operating from the AC line connection in a campsite.

The UNI-VOLT is rated at 20 amperes. The ammeter indicates the total output of the UNI-VOLT. At any time; this total load will depend upon the actual requirement of the trailer and the state of charge of the battery. As the battery becomes fully charged, the amount of current drawn by it will decrease to a low trickle rate, just sufficient to maintain the battery in a fully charged condition.

ADJUSTMENT FOR VARIATIONS IN AC POWER SUPPLY AT CAMPSITE

CAUTION: Never open the lid of the UNI-VOLT

charger until the trailer is disconnected from city power.

The UNI-VOLT has provision for adjustment of operation for EXTREME variations of AC power supply. The adjustment is set at the factory for the normal 115 volt AC power supply. Only for an EXTREME low voltage or extreme high voltage does it become necessary to change adjustment. This would be indicated by one of the two following conditions. Obtain a volt meter and check the line voltage at a receptacle in the trailer, or have an electrician do it for you.

1. If the AC line voltage is considerably HIGHER than 120 volts it will result in too high a charge. This will result in the battery heating and using an excessive amount of water. To adjust for this condition, move the brass bar connecting the taps from the normal 3 & 4 positions to positions 2 & 3 (see Figure 11-C). If battery still continues to heat and use excessive water, the bar could be moved further to positions 1 & 2. See the tap setting card inside the lid.

2. If the AC line voltage is considerably lower than 110 volts, it will result in the battery not coming up to full charge. The tap positions should be changed to 4 & 5. Taps 5 & 6 should be used only in EXTREME instances. The taps should never be moved to a different position merely to increase the rate of charge, as this will result in overheating the battery and UNI-VOLT and possible damage to both of them. If the battery is recharging and not overheating, keep the tap adjustment where it is.

If tap adjustment was made for a given campsite, it is best to return to normal setting upon leaving. This will prevent operation on wrong tap settings on future campsites.

If there is no output from the UNI-VOLT indicated on the ammeter when power is being used in the trailer, it would indicate that all the power is being supplied from the battery alone. Check the following:

1. Check a 115 volt outlet in trailer to be certain 115 volts is being supplied to trailer. If 115 volt power is being supplied to trailer but load is still not indicated on UNI-VOLT when 12 volt devices are turned on in trailer, proceed to steps 2 through 5.
2. Disconnect AC campsite connection.
3. Check to be certain that all electrical connections are tight. This check should be made with the AC power disconnected and care should

be taken not to short the DC battery connections.

4. Reconnect AC Campsite connection. Listen carefully to see if there is a very slight "hum" from the UNI-VOLT. If there is, and there still is no reading on the ammeter, either the ammeter is defective or the DC fuse is blown. The DC fuse is the large fuse on the left of the terminal board (see Figure 11-C). Disconnect AC power when changing fuse and be careful not to touch metal ends of fuse or holding clips. If the slight "hum" is heard and the DC fuse is not blown and the ammeter reads zero, the ammeter could be broken and not truly indicating the electrical load on the UNI-VOLT.
5. With AC power campsite connection made, if there is no slight "hum" the AC fuse may be blown. This is the small fuse on the right side of the terminal board. The replacement of blown fuses or the adjustment of the tap positions for extreme voltage conditions at the campsite are the only maintenance operations or adjustments that should ever be required. It is a good idea to inspect the UNI-VOLT about every six months to be certain that all electrical connections are tight, and to remove any heavy accumulation of dirt.

If replacement of fuses or tightening of electrical connections does not correct difficulty being experienced, the complete system should be checked by an experienced electrician or an Airstream Service Representative.

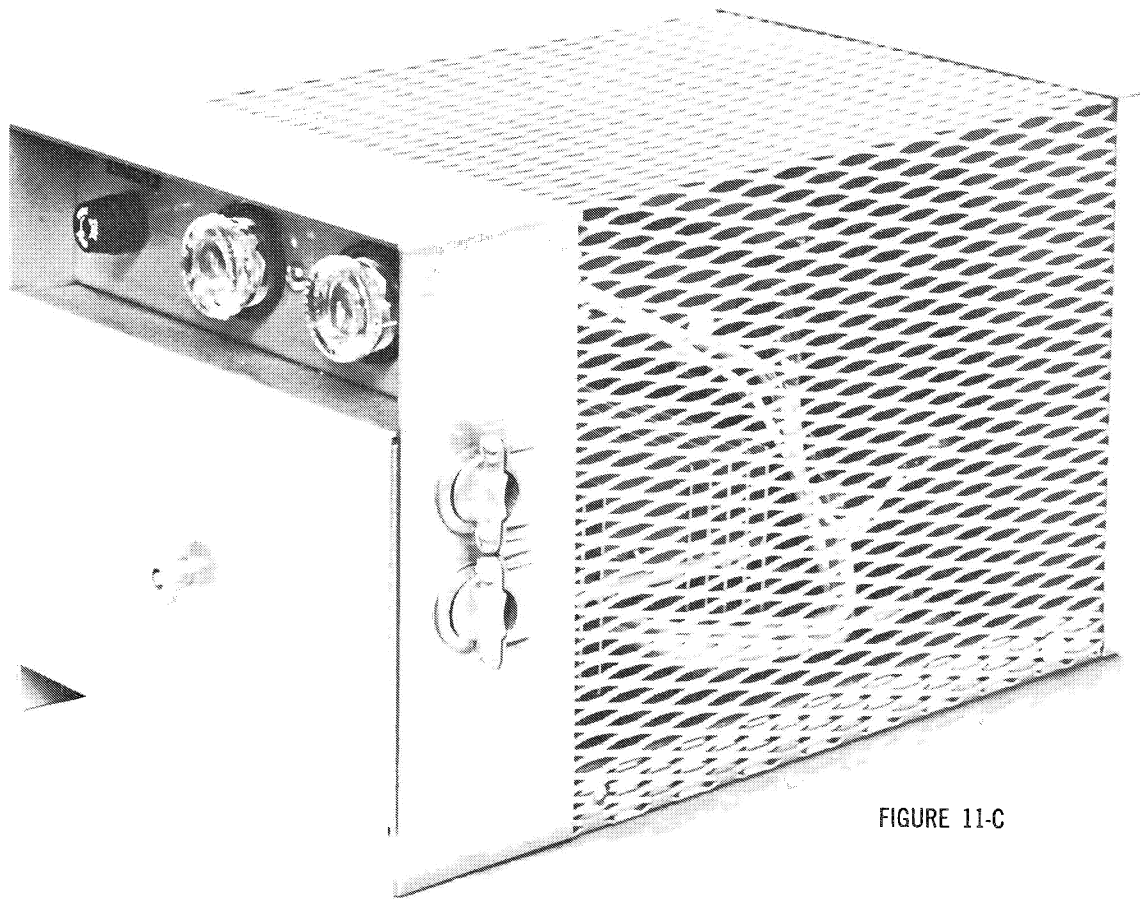


FIGURE 11-C

UNI-VOLT OPERATING AND SERVICE INSTRUCTIONS

Operating from a 120 volt line input, the UNI-VOLT will provide substantial current to a DC load while maintaining your 12-volt battery at a full charge condition.

The UNI-VOLT incorporates a unique voltage-sensing section in the charger circuit that automatically controls charging current. When the battery is fully charged, shut-off is complete; it is impossible to over-charge. Because of its ability to operate over a wide range of input voltage, and because charger shut-off

is 100%, no adjustments or controls are required, and none are provided.

All circuitry is protected from damage by internal devices or fuses. All fuses are standard automotive or household types and are readily available. The unit is UL-approved.

TROUBLESHOOTING

As with any mechanical or electrical system, malfunctions may occur in your UNI-VOLT system from time to time. Following is a checklist of likely causes of some of the commonest troubles.

SYMPTOM	POSSIBLE CAUSE	REMEDY
NO LOAD VOLTAGE (LIGHTS, APPLIANCES DO NOT WORK) BLOWN LOAD FUSE	1. INPUT LINE AND/OR BATTERY NOT CONNECTED 2. FUSE BLOWN 3. OVERLOADED CIRCUIT (OVER 30 AMPERES) 4. SHORTED LOAD	1. MAKE NECESSARY CONNECTIONS 2. SEE NEXT 3 ITEMS 3. TURN OFF SWITCHES TO REDUCE LOAD TO 30 AMPERES OR LESS AND REPLACE LOAD FUSE WITH A STANDARD 30 AMPERE QUICK- ACTING (HOUSEHOLD-TYPE) • SCREW-BASE FUSE. 4. CHECK FOR DEFECTIVE WIRING, LAMPS, OR MOTORS, AND REPAIR. REPLACE LOAD FUSE AS INDI- CATED IN STEP 3 ABOVE.
BLOWN BATTERY FUSE	5. SHORTED BATTERY 6. SHORT IN WIRING BETWEEN BATTERY AND UNI-VOLT 7. BATTERY TERMINALS NOT PROPERLY CONNECTED TO UNI- VOLT (+) AND (-) TERMINALS	5. REPLACE BATTERY AND BATTERY FUSE AS IN STEP 3 ABOVE. 6. REPLACE OR REPAIR DEFECTIVE WIRING. REPLACE BATTERY FUSE. 7. MAKE PROPER CONNECTIONS; POSITIVE BATTERY TERMINAL TO UNI-VOLT BATT. (+) AND NEGA- TIVE BATTERY TERMINAL TO BATT. (-). REPLACE BATTERY FUSE.
BLOWN LINE FUSE	8. INCORRECT INPUT LINE VOLTAGE (SUCH AS 230 VAC OR 25 CPS LINE)	8. CONNECT TO 120 VAC, 60 CPS LINE.
DIM LIGHTS OR SLUGGISH FAN MOTOR	9. LOW LINE VOLTAGE 10. 25 CPS LINE FREQUENCY 11. DISCHARGED BATTERY (WHEN OPERATING WITH- OUT 120 VAC LINE)	9. USE LINE VOLTAGE OF 120 VAC ± 10 VOLTS. 10. USE 60 CPS LINE FREQUENCY. 11. CHARGE BATTERY.
UNI-VOLT WILL NOT CHARGE BATTERY	12. INPUT LINE NOT CONNECTED 13. BATTERY NOT CONNECTED 14. BAD BATTERY	12. CONNECT INPUT LINE. 13. CONNECT BATTERY TO UNI-VOLT. 14. REPLACE BATTERY.
SPECIFIC GRAVITY OF BATTERY IS TOO HIGH (OVER 1.275)	15. BATTERY IS LOW ON WATER	15. ADD DISTILLED WATER TO BATTERY.

CHAPTER 12

THE WATER SYSTEM

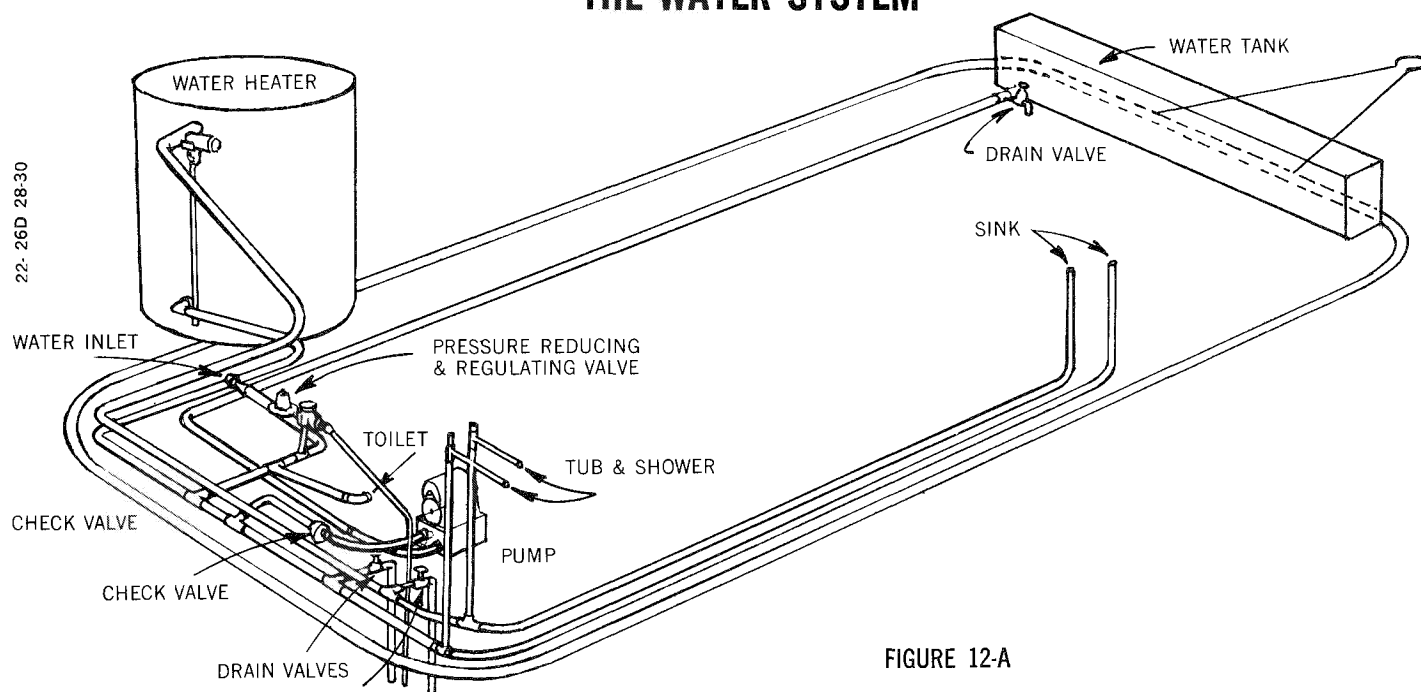


FIGURE 12-A

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 at the left rear 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 conveniently located in the One Stop Service Center (See figure 1-C). 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 — Excessive belt wear

- a. Adjust belt for proper tension. Belt has proper tension if it can be moved in and out on one side a total of $\frac{1}{4}$ " at a point half way between pulleys. To adjust belt: loosen nuts on end of motor and slide motor up or down until desired tension is attained, then retighten nuts.

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.

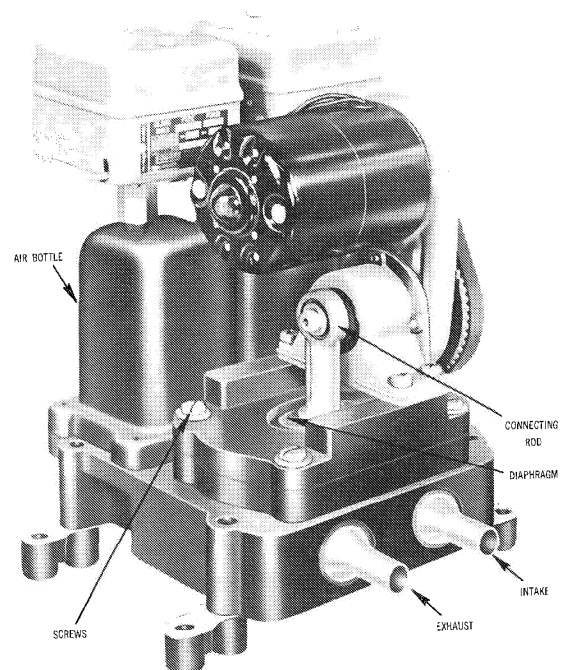


FIGURE 12-B

THE SEWAGE AND WASTE DISPOSAL SYSTEM IN YOUR AIRSTREAM

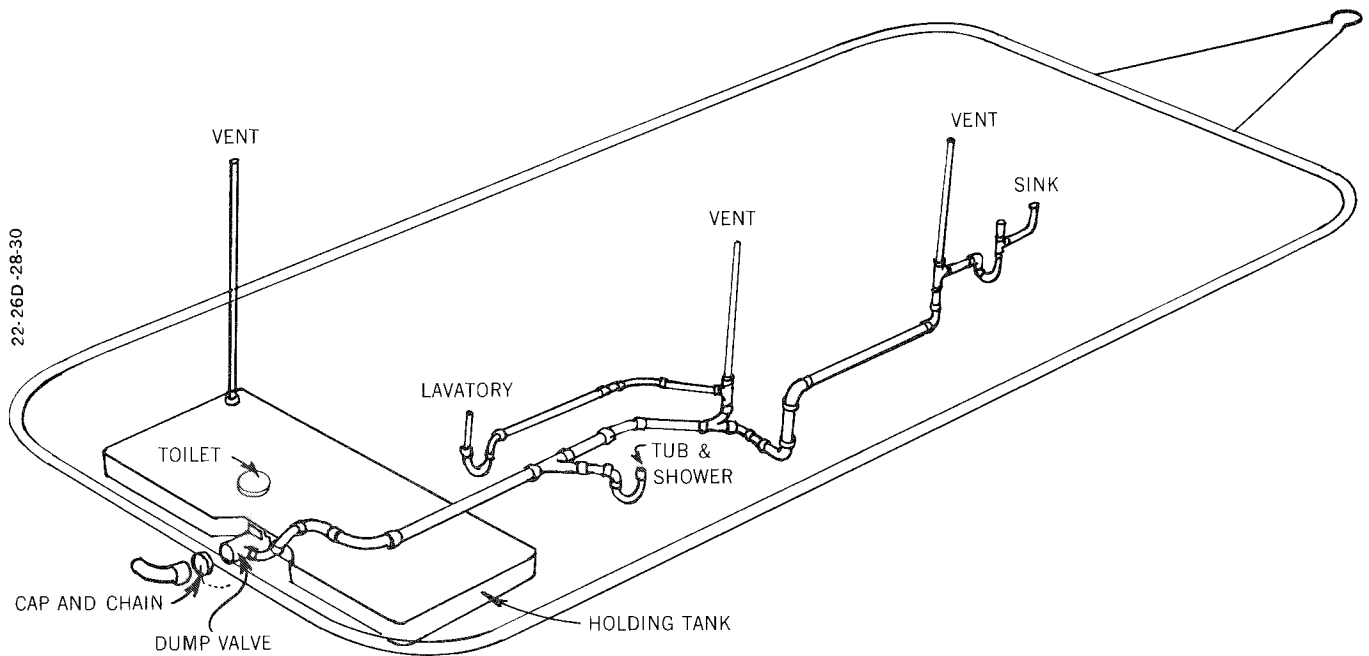


FIGURE 13-A

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.

In an emergency you can empty waste water from the sink and lavatory into your waste holding tank instead of allowing it to run on to the ground (some state parks forbid letting sink and bath water run onto the ground although it is often done in the wilderness. To empty waste water into the waste holding tank, open the dump valve while keeping the Sewage Line Drain Cap on. Waste water will automatically back up into the tank. Note: Water conservation must be practiced when allowing waste water to drain into the waste holding tank since it will fill rapidly.

After you have been emptying waste water into the

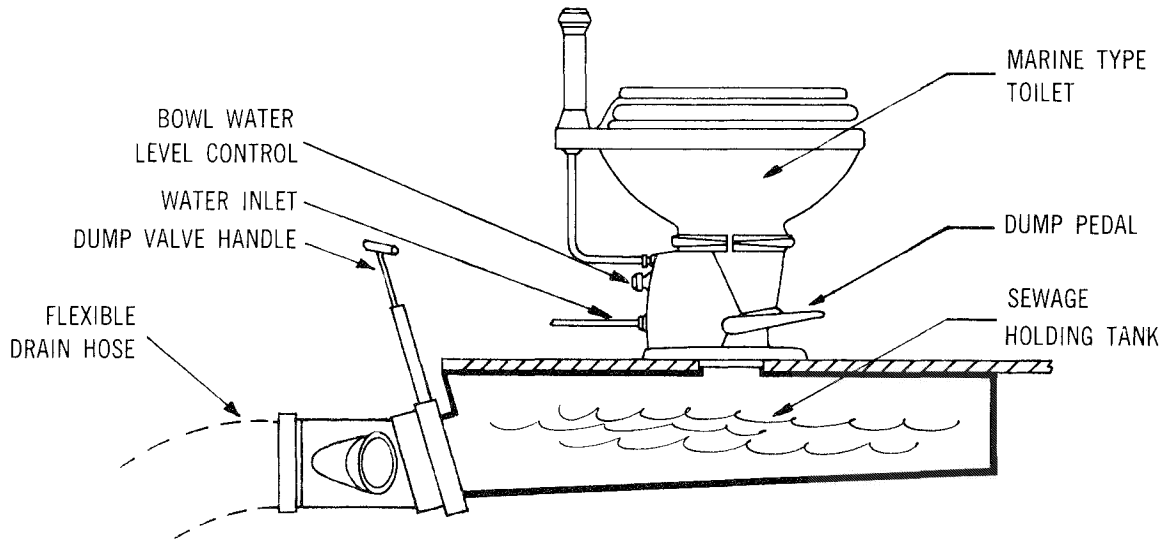


FIGURE 13-B

waste holding tank in this manner, when you arrive at a waste disposal facility, close the tank dump valve, place a bucket under the tank outlet and remove the Sewage Drain Line Cover Cap in order to drain the section of pipe between the cap and the valve.

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 recommended 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 comfortable 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

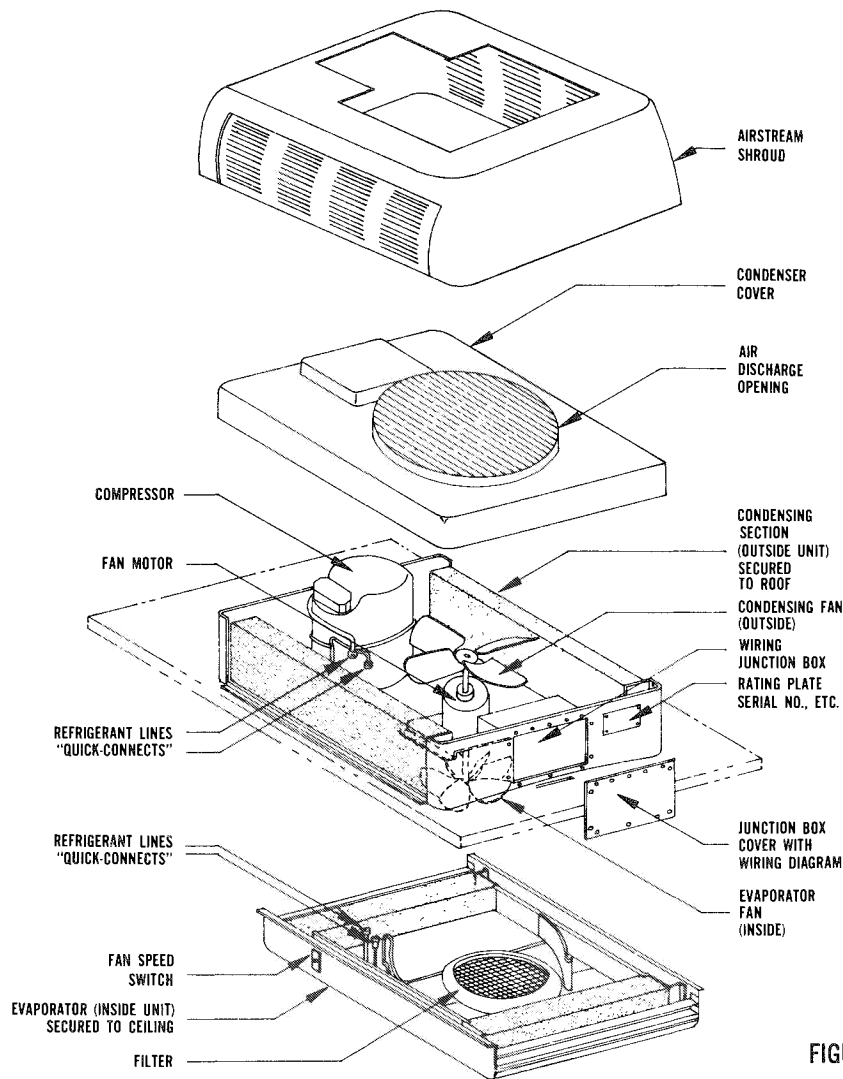


FIGURE 1-C

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

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-

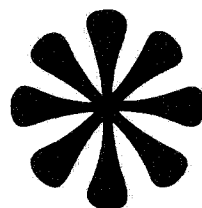
utes before restarting.

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 three valves: two located in the One-Stop Service Center, and one at the water storage tank at the front of the trailer.
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 thickness. 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.

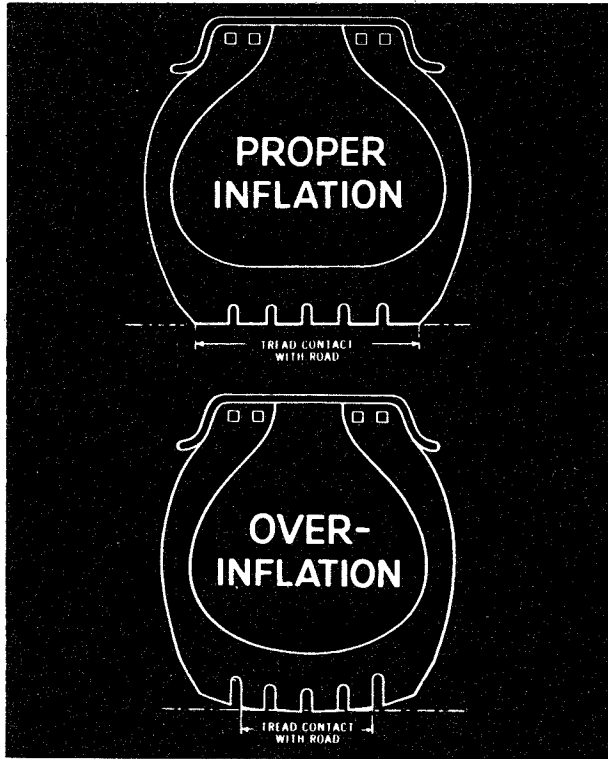


FIGURE 17-A

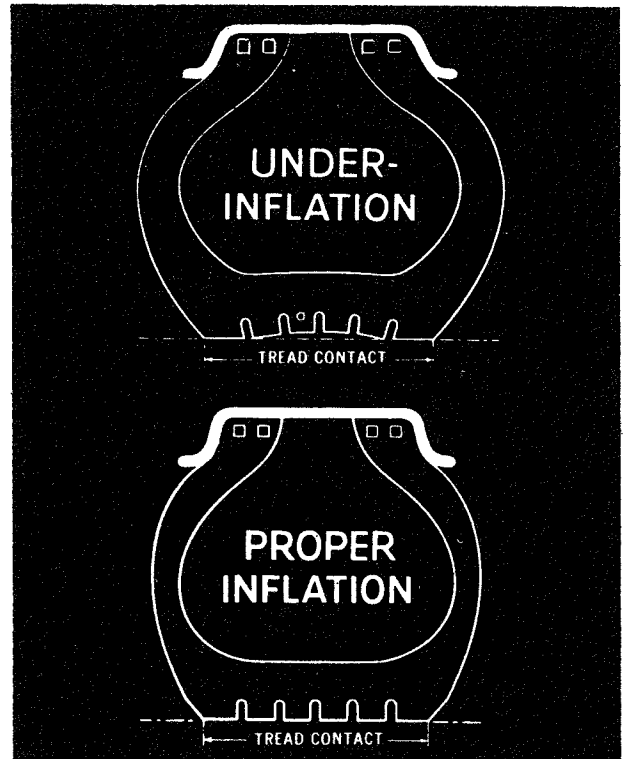


FIGURE 17-B

FIGURE 17-C

