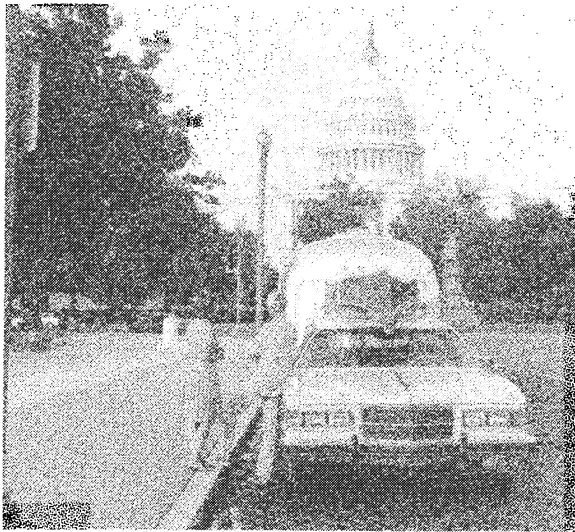
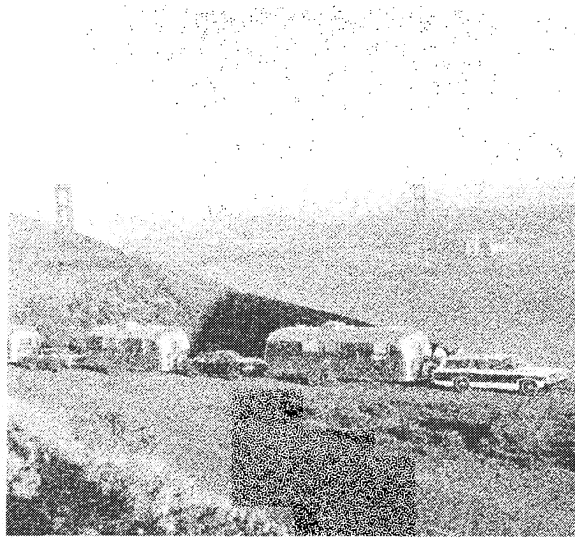


# 1976 Airstream Owner's Manual





# Introduction

An Airstream travel trailer offers you the ultimate in travel luxury and mobility. This owner's manual is your key to carefree travel fun. It contains information necessary to avoid problems. Consult it when you have a question about your new Airstream. It has been designed to aid you in knowing your trailer better. All information, illustrations and specifications contained in this literature are based on the latest product information available at the time of publication approval. The right is reserved to make changes at any time without notice. Should you trade or sell your Airstream, please leave the manual with the trailer. Go Airstream and make this your year for carefree vacations.



# Contents

Wally Byam Caravans/Clubs .....	2
Warranty and Service .....	4
Explanation of Airstream Warranty.....	6
Certified Service Centers .....	9
Wally Byam Stores .....	15
Tow Car Equipment .....	16
Brakes .....	17
Loading .....	20
Tires .....	30
Hitching Up .....	33
Towing Tips .....	36
Overnight Stop .....	39
Extended Stay .....	40
Winter Airstreaming .....	42
Storage and Winterizing .....	43
Exterior .....	46
Floor Plans .....	48
Interior .....	53
L.P.G. System .....	60
Refrigerator .....	61
Micro Wave Oven .....	63
Range and Oven .....	64
Furnace .....	66
Water Heater .....	68
Water System .....	69
Drain and Waste System .....	71
Electrical System .....	74
Battery .....	76
Electrical Outlet Locations .....	77
Electrical Wiring Diagrams .....	78
Electrical Trouble Shooting .....	85
Specifications .....	86
Pre-Travel Check List .....	88
Lubrication and Maintenance .....	90
Maintenance Record .....	91
Index .....	92

# Wally Byam Caravans/Clubs

When you bought your Airstream, you bought a whole new way of life. Airstream owners enjoy endless opportunities for friendship, fun and adventure. You may join every **Airstream Wally Byam Caravan** and **Airstream Company Rally**. We arrange for such rallies each year: one in the North West, South West, North East and South East. You also become eligible to join the **Wally Byam Caravan Club International**, the largest single make trailer club in the world. The **WBCCI** is made up of 26,000 family memberships and 155 local chapters or units throughout the United States, Canada and Mexico. They meet at monthly rallies, or where weather conditions prevent year round rallies, Caravanners come together for pot luck dinners to plan events for the good seasons.

Since the first Wally Byam Caravan in 1951, 108 Airstream Caravans have gone to most parts of the world. Caravans to Canada and Mexico are now so popular that there are six each year. Many a lifelong friendship was started on these trips. Old-timers and new owners share experiences and find a new kind of fellowship, and there is no better way to learn to use your Airstream. Caravanners enjoy many advantages: the security of traveling in a group, planned entertainment and exceptional sightseeing opportunities. The prestige and good will established over many years by our Caravans adds further benefit to Caravanner membership.



The “Caravanner” and the “Blue Beret” are the official publications. The bi-monthly “Caravanner” is for general distribution to owners and prospective buyers, while the monthly “Blue Beret” is for WBCCI members only.

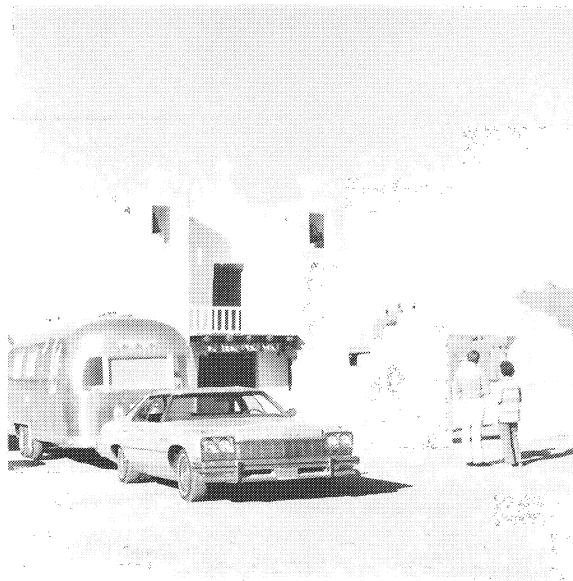
Several months before a Caravan rolls, the “Caravanner” and the “Blue Beret” publish a description and a registration coupon. Everyone who registers receives a detailed bulletin with complete information on the caravan. When going abroad, all official matters such as insurance, tourist cards and border crossing formalities are handled for you by the Caravan staff.

On every Airstream Caravan, the route is carefully planned, and a day by day itinerary, including mail stops, is given to all Caravan-



ners in advance. Our staff also makes all the arrangements for parking, entertainment, tours, etc. well ahead of the starting date. Airstream Caravan Programs always take caravanners of all ages into account. Airstream provides the Caravan Staff: a leader, a recreation director, a service representative and an advance representative. This staff is backed by committees composed of interested Caravan members who assist in the day-to-day operations.

**Wally Byam**, pioneer trailer traveler, and founder of the Airstream Company, was born on July Fourth and the first **International Rally** was in the form of a huge birthday party for him at Bull Shoals, Arkansas. It was patterned after the International Rallies in Europe which Wally and his wife Stella had attended for many years. Everyone enjoyed



this first big rally so much that the club decided to make it an annual event. Since then, International Rallies have grown and grown. Some 4,209 Airstream Travel Trailer-families recently gathered at Brandon, Manitoba, Canada for the 1975 International Rally.

Only Wally Byam Caravanners and WBCCI members are entitled to have an official **Trailer Number** and be listed in the **1975 WBCCI Directory**. This annual directory contains a schedule of all major rallies and Airstream Wally Byam Caravans for the year, and announces the activities of the Ham Radio, C.B. Radio, Square Dance and the many other WBCCI special interest clubs.

Along with the fun, Airstream owners recognize the need for better legislation, more and

better overnight parking facilities, more sanitary stations and other travel conveniences.

They are alert to adverse bills governing travel trailers and have achieved much through the actions of the strong **WBCCI National Legislative Committee**.

**The Way of Life Department**, of the Airstream Company dedicates its full time staff to improving the owners' fun and makes use of all the information and experience gained by owners over the years to help develop even better Airstreams.

**Become part of the Airstream Way of Life.** Join our WBCCI activities and we believe you will enrich your life. Owners join through a local unit of WBCCI. All operate autonomously, elect their own officers and fix their

own dues. Annual International dues are paid with the unit dues at the time of application. These are at present: International dues, \$7.50 per trailer and unit dues from \$1 to \$10. If you are interested, please write to the following address and we will forward your letter to the unit nearest you:

WBCCI Headquarters Office  
15939 Piuma Avenue  
Cerritos, California 90701



# Warranty and Service

Airstream offers the most complete and explicit warranty in the industry. Your valuable warranty covers every item in your trailer (except tires and battery) against failures resulting from defects in either material or workmanship for two years from date of purchase as the original owner.

**Please read the facsimile warranty carefully. As soon as the factory has received your signed check-out and acceptance sheet, a formal warranty is issued to you, together with an owner's identification card. As soon as you receive your warranty, please attach it over the facsimile for safekeeping. In order to qualify for service without charge under the Airstream Warranty Program, your owner's identification card or authorization for Interim Warranty must be presented to the service representative.**

**The Airstream Certified Performance Check-out, or C.P.C., is an exclusive Airstream program. Before leaving the factory, each and every vital part of an Airstream is tested for performance. Each test is signed and certified by an inspector. After the Airstream arrives on your dealer's lot, all of these vital parts and systems are again tested. When you take delivery of your new Airstream, a factory trained trailer expert personally gives you a complete check-out on the trailer.**

**C.P.C. does not stop here. After you have**

**traveled with your Airstream for 1000 miles (or 60 days, whichever comes first) you can make an appointment with any one of the 190 Airstream dealers or service centers for still another check-out of your trailer. At that time, a specified list of performance checks on your trailer equipment will be conducted and any deficiencies you have experienced since taking delivery will be corrected. Give the C.P.C. card overleaf to the dealer when you take your Airstream for the 1000 mile check.**

**Please contact your dealer if you need service. Major service under your Airstream Warranty is available through our nationwide network of factory trained specialists at Airstream Certified Dealer Service Centers listed on pages 9-13 of this manual. All centers operate on an appointment basis for the utmost efficiency. When you require service from the Airstream factory or a certified service center, please contact the service manager for an appointment, and kindly inform him if you are unable to keep the appointment date or wish to change it.**

**Airstream factory service may be arranged by contacting the service manager at:**

Airstream  
15939 Piuma Avenue  
Cerritos, California 90701  
(213) 860-4411

Airstream  
Jackson Center, Ohio 45334  
(513) 596-6129

Please place your Registered Warranty over this Facsimile within the line, the folded edge on top. There is a glue strip on the back for this purpose.



## AIRSTREAM LIMITED WARRANTY



When you buy a new Airstream Travel Trailer from an authorized dealer, Airstream warrants to you that, except for tires and batteries, it will pay for the repair or replacement of any part of your trailer or any component equipment installed by the factory that is defective in material or workmanship. This warranty extends for a period of two (2) years from the date of purchase.

All that we require is that you use your trailer in a normal manner and properly maintain and service all component parts requiring scheduled maintenance and that all repairs and replacements be made by an Airstream factory or Certified Dealer Service center. Any warranty defect will be corrected without cost upon return of the trailer, or defective part, to any Airstream factory or Certified Dealer Service center. For additional information regarding your Airstream Warranty, refer to the materials entitled "Explanation of Airstream Warranty" provided with this warranty.

All Warranties of merchantability and fitness for a particular purpose, whether written or oral, express or implied, shall extend only for a period of two (2) years from the date of purchase. There are no other warranties which extend beyond those described on the face hereof and expressly excludes conditions resulting from normal wear, accident, abuse, exposure or overload.

**AIRSTREAM**®

This warranty issued by Airstream, Division of Beatrice Foods Company.

Ohio Factory: 177 West Church Street, Jackson Center, Ohio 45334

California Factory: 15939 Piuma Avenue, Cerritos, California 90701



## AIRSTREAM LIMITED WARRANTY



# Explanation of Airstream Warranty

The Airstream Warranty applies for a period of two (2) years from the date of purchase, and the applicable date of all warranties is that indicated on the owner's I.D. card (Owner's Identification). Warranty defects will be corrected without cost upon the return at the owner's expense of the trailer or defective part to any Airstream factory or Certified Dealer Service center.

The Airstream axle is manufactured to a tolerance of 1° camber and 1/8" toe-in. These tolerances will only change if the trailer is subjected to abuse, such as dropping off a sharp berm, striking a curb, or hitting a deep hole in the road. Such damage would be considered as resulting from an accident which risks are not covered under the warranty. Abnormal tire wear and/or wheel alignment resulting from such damage is not covered under the terms of the warranty.

Tires are excluded from this warranty and will be adjusted or replaced according to the terms of their manufacturer's warranty.

Batteries are excluded from this warranty, and will be adjusted or replaced according to the terms of their manufacturer's warranty.

Damage to enameled or porcelain surfaces resulting from abrasion or blows is the result

of accident or abuse, and is not covered by warranty. Window glass breakage, and what is termed by the automotive industry as "mysterious explosions", is covered by the comprehensive clause of most insurance policies.

This warranty is based entirely on defects in material or workmanship. Adjustments, such as gas pressure on appliances, are not defects, but part of normal maintenance. Cleaning burners is normal maintenance. The only allowance for such is covered by the CPC original check-out and 1,000 mile or 60 day check-up.

Each Airstream exterior (not including the underside) is sprayed with a plastic coating material to prevent oxidation. This application is covered by the two year warranty against peeling. Prolonged exposure to salt air or industrial fall out will permit penetration through the coating material, causing damage to the exterior metal. Since Airstream has no control over these conditions, it is necessary for the owner to wash his trailer as instructed in the Owner's Manual.

Warranties of merchantability or fitness mean that the trailer and its related equipment must perform the function for which it was intended. The door lock must secure the door, the refrigerator must keep food, the trailer itself must tow properly and be inhabitable as advertised.

## Exclusions:

**1. Normal Wear:** We all know that some items, such as a water heater flint or water purifier pack, are not expected to last two

years. It is normal for curtains, upholstery, floor covering, tires, window, door and vent seals to show wear or even wear out within two years, depending upon the amount of usage and weather and atmospheric conditions.

**2. Accident:** We can all recognize damage caused by accident because it is visible, and we strongly urge our dealers and customers to inspect the trailer upon receipt of delivery for any damage caused by accident while being delivered to the dealer, or while it is on the dealer's lot. Damage of this nature becomes the dealer's or customer's responsibility upon acceptance of delivery, unless Airstream is notified and the damage is verified by the person making the delivery.

**3. Abuse:** We have seen many ten year old trailers that still looked like new inside and out. We have also seen trailers less than a year old that from their internal and external appearance were practically uninhabitable. Airstream cannot be held responsible for lack of care and/or improper maintenance.

**4. Exposure:** Not unlike a car, the steel parts of a trailer can and will rust if subject to prolonged exposure to moisture, salt air, or corrosive air-borne pollutants without repainting. Aluminum oxidizes when unprotected under similar conditions, and refinery chemicals of a sulfurous nature are harmful to finishes if not washed off periodically. Extremely hot or direct sunlight will deteriorate rubber and fade cur-

tains and upholstery. Conditions of this nature, although normal for the area, are beyond Airstream's control and become the responsibility of the owner.

One other type of exposure is that resulting from an accident, or rain or plumbing leak. Although it is our obligation to correct a rain or plumbing leak within the terms of the warranty, it is the owner's responsibility to use reasonable prudent care to minimize foreseeable secondary damage, such as a delaminated floor, stained upholstery, carpeting, or drapes.

5. **Overload:** The Airstream trailer is engineered to properly handle any normal load with an overload factor added. Load distribution has a definite effect upon the towing characteristics and attitudes of the trailer. Level hitch installations are a necessity and very important on a tandem axle trailer. There are limits to the amount of load that can be safely transported depending upon speed and road conditions, and reasonable cause to believe these factors have been exceeded could void the Airstream warranty. For additional information on the loading of your trailer, consult your Owner's Manual or gross vehicle weight rating plate.

Airstream will not be responsible for any consequential damages incurred as a result of any warranty defect. Consequential damages include, but are not limited to, travel expenses, gasoline, oil, lodging, meals, telephone tolls, loss of work and loss of use of the trailer.

In the event of a warranty defect, the warranty holder should take corrective action to lessen the damages which might result from such defect. Airstream will not be responsible for resulting damages which could have been avoided.

The full extent of Airstream's warranty is set forth in the "Airstream Limited Warranty" and this "Explanation of Airstream Warranty". Airstream will not be responsible for additional representations or implied warranties made by any of its dealers to the extent those representations are not a part of or are contrary to the terms and conditions of the Airstream Warranty and Explanation of Warranty.

If you believe your trailer needs repairs under the terms of the Airstream warranty, you should contact the Service Manager at any Airstream factory or Certified Dealer Service center. The trailer or defective part must be returned to a factory or authorized service center at the owner's expense.



# 1976 Airstream Service Manual

For most owners, this Owner's Manual provides the answers for normal use and maintenance of an Airstream. But some owners who are mechanically inclined want detailed information on all systems and equipment and basic construction of an Airstream. For these people we have made available a smaller, more convenient sized copy of the same Service Manual provided to our Certified Service Centers. The Airstream Service Manual includes illustrated parts lists, procedures for maintenance and adjustments, service operations, removal and installation for components, including options for all Airstream models.

The 1976 Airstream Service Manual will be available in December, 1975.

To receive your copy, fill in the order form below and mail to:

Airstream, Inc.

Jackson Center, Ohio 45334

or

Airstream, Inc.

15939 Piuma Avenue

Cerritos, California 90701

Please send me the 1976 Airstream Service Manual, price \$20.00\* per copy, to the following address:

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

☐ Enclosed \$20.00\* check or money order  
payable to Airstream, Inc.

☐ Please send C.O.D.

\*Ohio Purchasers — Add 4½% Sales Tax

\*California Purchasers — Add 6% Sales Tax

# 1000 Mile Check Authorization Card

This card entitles you, under the exclusive Airstream Certified performance checkout program to a 1000 mile (or 60 day ... whichever comes sooner) Performance Check of your Airstream travel trailer.

In the event you are traveling or moving, this service may be performed by any franchised Airstream dealer in the United States or Canada but, of course, it is recommended that the check-up be performed by your selling dealer because of his logical interest in you as his customer.

We would suggest that you make an appointment with your dealer in advance of your arrival or inspection date.



## Authorization for Interim Airstream Warranty

Airstream Serial Number \_\_\_\_\_ Delivery Date \_\_\_\_\_

Purchased by: Name \_\_\_\_\_

Address \_\_\_\_\_

Purchased from: Name \_\_\_\_\_

Address \_\_\_\_\_

This card is valid for 60 days from date of delivery.



# Insurance

## The Exclusive Caravanner Travel Trailer Insurance Plan

A complete comprehensive policy, including these five big bonus benefits at no additional cost:

- Collision coverage (low deductible)
- Theft coverage against personal effects
- Personal effects coverage against damage or loss by collision, etc.
- Vacation expense allowance
- Mexico travel coverage (90 days)

And, there are no other deductibles!

Already over 25,000 Airstream owners are benefiting from this program. Fast, efficient claim service, coast to coast. Underwritten by Central National Insurance Company of Omaha, with assets of over \$60 million. This program also includes complete protection against these losses: fire, lightning, explosion, windstorm, hail, landslide, flood, all accessories, vandalism, and many more perils commonly insured by comprehensive coverage.

## The New Airstream Owner's Association Accident Insurance Program

A big bonus benefit available only to Airstream owners.

This program includes 24-hour protection for accidental death or dismemberment — anywhere in the world, on or off the job; on business, on vacation — or at home PLUS 2½ times the benefits while on a trip with your Airstream.

No medical statement is required and you will not be bothered by a physical examination or investigation. But you must be an Airstream owner, under age 70. There are 4 specialized plans from which to choose. Here's an example of benefits:

Plan B-1 (While at home) Plan offers the owner and spouse full

24-hour protection against accidents anywhere in the world, whether on or off the job, on business, pleasure, or vacation. This plan pays \$20,000 and \$10,000 to owner and spouse respectively in event of accidental death or dismemberment, and \$14.00 a day for up to 365 days while in the hospital.

Plan B-1 (While on a trip with an Airstream) Benefits are payable if the accident occurs when the insured is away from his permanent address while on a trip with his Airstream Travel Trailer. Coverage is provided 24-hours a day for all types of accidents during a trip. At this time the accidental death benefit would increase to \$50,000 and \$25,000 respectively. The daily in-hospital allowance would increase to \$35.00 a day for up to 365 days. The annual premium for plan B-1 is only \$89.

For fast efficient service and answers to your specific questions, call (213) 385-7461.

Travel carefree. Fill out and mail the following request card today!

Please rush information on these exclusive Airstream money-saving programs:

☐ Caravanner Travel Trailer Insurance Plan

☐ Airstream Owner's Association Accident Insurance Program

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

**BUSINESS REPLY MAIL**

No postage necessary if mailed in the United States

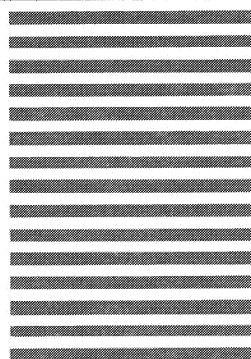
**FIRST CLASS**  
Permit No. 36321  
Los Angeles, CA

**Postage will be paid by**

**CARAVANNER INSURANCE, INC.**

2411 West Third Street

Los Angeles, CA 90057



# Certified Service Centers

## ALABAMA

*Alabama Auto Carriage, Inc.*  
2359 West Fairview  
P. O. Box 1695  
Montgomery, Alabama 36108  
(205) 262-3563 or 262-3564

*Camper City*  
2205 Highway 31, South  
Birmingham, Alabama 35244  
(205) 979-2343

*R & S Camper Sales*  
2405 Ardmore Highway  
Huntsville, Alabama 35806  
(205) 837-5241

## ARKANSAS

*Fred and Jack Trailer Sales*  
10318 New Benton Highway  
I-30 West  
Little Rock, Arkansas 72209  
(501) 565-0131

## ARIZONA

*O'Rielly RV Center, Inc.*  
4780 E. 22nd Street  
Tucson, Arizona 85711  
(602) 327-5581

*Robert Crist & Company*  
2025 East Main Street  
Mesa, Arizona 85203  
(602) 834-9410

*Robert Crist & Company*  
8833 North Black Canyon Hwy.  
Phoenix, Arizona 85021  
(602) 944-2288

## CALIFORNIA

*Adventure Trailer Center*  
5810 S. Union Avenue  
Bakersfield, California 93307  
(805) 831-5451

*Bill Barry Pontiac*  
2000 East 1st Street  
Santa Ana, California 92705  
(714) 558-1000

*Caswell's Vacation Vehicles*  
700 East Foothill Boulevard  
Pomona, California 91767  
(213) 331-0163

*Coastline Trailer Sales*  
303 North Ventura Avenue  
Ventura, California 93001  
(805) 648-1772

*Haller Trailer Sales*  
15711 South Lakewood Boulevard  
Paramount, California 90723  
(213) 634-3553

*Holiday Trailer Sales*  
770 East Baseline  
San Bernardino, California 92410  
(714) 889-8918

*Moore Recreation Center*  
4099 North Wilson Way  
Stockton, California 95204  
(209) 948-0130

*Nelson's RV Enterprises, Inc.*  
28001 Mission Boulevard  
Hayward, California 94544  
(415) 582-9433

*Pulmobile Trailer Sales*  
4563 San Fernando Road  
Glendale, California 91204  
(213) 241-0310

*Ralph's Trailer Sales and Supply*  
1025 East Main  
El Cajon, California 92021  
(714) 442-4435

*Toscana Recreation Center*  
617 W. Pacheco Boulevard  
Los Banos, California 93635  
(209) 826-4923

*Valley Trailer Sales, Inc.*  
1650 El Camino Avenue  
Sacramento, California 95815  
(916) 929-2200

## COLORADO

*Chisman Trailer Sales*  
2500 East Boulder Street  
Colorado Springs, Colorado 80909  
(303) 473-7043

*Trailerland*  
8220 W. Colfax Avenue  
Denver, Colorado 80215  
(303) 237-9591

## CONNECTICUT

*A-1 Trailer Sales*  
Route 66 and Jackson Hill Road  
Middlefield, Connecticut 06455  
(203) 344-0338 or 344-0339

*Camperama of Danbury, Inc.*  
Mill Plain, Route 6  
Btw. Exit 1 & 3, I-84  
Danbury, Connecticut 06810  
(203) 743-2726

## DELAWARE

*Richard Rice Trailer Company, Inc.*  
2343 South DuPont Highway  
Dover, Delaware 19901  
(302) 697-3173

## FLORIDA

*Airstream by General*  
5610 Okeechobee Road  
West Palm Beach, Florida 33406  
(305) 686-3707 or 584-2888

*Airstreams by General*  
1881 St. Rd. 84  
Ft. Lauderdale, Florida 33315  
(305) 584-2888

*Bell's Trailer Park and Sales, Inc.*  
Route 4, Box 382, Highway 90W  
Tallahassee, Florida 32310  
(904) 576-2915

*C. J. Stoll, Inc.*  
5985 34th Street, North  
US 19  
St. Petersburg, Florida 33714  
(813) 527-2189

*Camptown USA, Inc.*  
23905 SW 132nd Avenue  
6 mi. S. of Perrine on US 1 at Princeton  
Miami, Florida 33171  
(305) 245-2353

*Carpenter's Campers, Inc.*  
8450 Pensacola Boulevard  
US 29 North, Between I-10 & 90  
Pensacola, Florida 32504  
(904) 477-6666

*Indian River Trailer Sales*  
5855 US Highway 1  
Cocoa, Florida 32922  
(305) 636-1422

*Indian River Trailer Sales*  
5001 Sand Lake Road  
Route 528, 1 mile E. of I-4  
Orlando, Florida 32809  
(305) 351-0581

*Kropf Eldorado, Inc.*  
6915 14th Street West  
US 41, S.  
Bradentown, Florida 33507  
(813) 755-1586

*Pleasure World, Inc.*  
5408 San Juan Avenue  
Jacksonville, Florida 32210  
(904) 388-9348

## GEORGIA

*Three-Way Campers, Inc.*  
1370 North 4 Lane Highway (US 41)  
Marietta, Georgia 30062  
(404) 422-9300

## IDAHO

*Wheels Unlimited*  
709 N. 5th, P.O.Box 4685  
Pocatello, Idaho 83201  
(208) 233-4230

## ILLINOIS

*Crystal Valley, Inc.*  
4220 Northwest Highway  
US 14 at Route 31  
Crystal Lake, Illinois 60014  
(815) 459-6611

*Rocket Trailer Sales*  
Route 30 and Sixth Avenue  
Rock Falls, Illinois 61071  
(815) 625-6245

*Vacationland Trailer Sales*  
US 30  
Shabbana, Illinois 60550  
(815) 824-2063

*Wilderness Lake Camp Ground, Inc.*  
Route No. 2  
Martinsville, Illinois 62442  
(217) 279-3340

## INDIANA

*Berning Trailer Sales, Inc.*  
5220 New Haven Avenue  
Fort Wayne, Indiana 46803  
(219) 749-9415

*C & G Recreational Center, Inc.*  
RR No. 3, Box 46  
North Muncie, Indiana 47302  
(317) 288-1883

## *Camp-Land, Inc.*

US 30, ½ mi. W. of I-65  
1 mi. W. of South Lake Mall  
Merrillville, Indiana 46410  
(219) 769-8496

## *Four Seasons Trailer Sales Corp.*

8225 W. Washington Street  
Indianapolis, Indiana 46231  
(317) 241-8348

## *Mid-West Trailer Mart, Inc.*

2409 Corydon Pike  
New Albany, Indiana 47150  
(812) 945-1173

## *Travel Center of Elkhart, Inc.*

1421 Midlake Road  
Elkhart, Indiana 46514  
(219) 264-3161

## IOWA

*Ace Fogdall, Inc.*  
5324 University Avenue  
Cedar Falls, Iowa 50613  
(319) 266-4404

*Barrows Camp-O-Rama*  
1912 Washington Boulevard  
Camanche, Iowa 52730  
(319) 259-8921

*Imperial RV Center*  
1727 Ankeny Road  
Ankeny, Iowa 50021  
(515) 964-1424

## KANSAS

*Scholfield Winnebago, Inc.*  
11516 East Kellogg  
Wichita, Kansas 67209  
(316) 684-0236

## KENTUCKY

*Crouch Campers & Trailers*  
5081 Reidland Rd., Rte. 4  
Highway 62 - 68 S.E.  
Paducah, Kentucky 42001  
(502) 898-7373

## *Murphy Sales Company, Inc.*

Winchester Road (US 60W)  
Box 404  
Mt. Sterling, Kentucky 40353  
(606) 498-1168

## LOUISIANA

*Camper Village, Inc.*  
705 Florida Boulevard, S.W.  
Denham Springs, Louisiana 70726  
(504) 664-7104

*Givens Travel Center*  
9724 Mansfield Road  
Shreveport, Louisiana 71108  
(318) 686-8863

*Superior Pontiac, GMC, Inc.*  
200 Wright Avenue  
Gretna, Louisiana 70053  
(504) 368-5640

## MARYLAND

*B & J Trailer Sales*  
Box 369, US Route 40  
Aberdeen, Maryland 21001  
(301) 575-6840

## MAINE

*Giant Advance Camper Country*  
765 Center Street  
Auburn, Maine 04210  
(207) 783-2291

## MASSACHUSETTS

*Donahue's Trailer Sales*  
88 Mountain Road, Box 126  
Off Route 128 at Exit 41-S  
Burlington, Massachusetts 01803  
(617) 272-9830

## *Mosher Travel Trailer Center, Inc.*

Central Pike  
Sutton, Massachusetts 01527  
Mail to: 171 Route 20  
Shrewsbury, Massachusetts  
(617) 865-4294

## MICHIGAN

*Bay Valley RV Center*  
2717 Delta Road, RR #4  
Bay City, Michigan 48706  
(517) 684-0930

## *Caswell and Company*

243 South Dexter  
Ionia, Michigan 48846  
(616) 527-3310

## *Four Seasons Sport Center, Inc.*

2700 Airport Road  
Jackson, Michigan 49202  
(517) 787-8100

## *Kolbe Trailer Sales*

4401 East Eight Mile Road  
Warren Michigan 48091  
(313) 536-0265 or 754-8310

## *Moore's Recreation*

1222 E. North Territorial Road  
Whitmore Lake, Michigan 48189  
(313) 662-4548

## *Northwoods Trailer Sales*

G-6369 North Dort Highway  
Mt. Morris, Michigan 48458  
(313) 686-4330

## *Vicars Trailer Sales, Inc.*

9080 Pelham at Wick  
Taylor, Michigan 48180  
(313) 291-9000 or 291-1980

## *Woodland Travel Center, Inc.*

5190 Plainfield Road  
Grand Rapids, Michigan 49505  
(616) 363-9038

## MINNESOTA

*Camperland, Inc.*  
RR #1, Hwy 52, 2 mi. N. of IBM  
Rochester, Minnesota 55901  
(507) 288-2133

*Hart Trailer Sales*  
Highway 71  
Long Prairie, Minnesota 56347  
(612) 732-6106

*Minnesota Trailer Sales, Inc.*  
11350 Highway 65 N.E.  
Blaine, Minnesota 55433  
(612) 757-1420

## MISSOURI

*Bill Thomas Camper Sales, Inc.*  
5217 N. Lindbergh Boulevard  
Bridgeton (St. Louis), Missouri 63042  
(314) 731-2217

*I-44 Recreational Vehicles, Inc.*  
Box 93, S. Side Halltown Exit on I-44  
14 Miles W. of Springfield, Mo.  
Halltown, Missouri 65664  
(417) 749-2131

*Kansas City Trailer Sales, Inc.*  
11530 South 71 Highway  
Kansas City, Missouri 64137  
(816) 761-3322

## MONTANA

*Big Sky Airstream*  
1923 Old Hardin Road  
Billings, Montana 59101  
(406) 259-5571

*Modern Equipment Company, Inc.*  
4025 10th Avenue, South  
Great Falls, Montana 59401  
(406) 761-3520

## NEBRASKA

*Autosport RV Center*  
6101 "L" Street  
Omaha, Nebraska 68117  
(402) 734-1133

## NEVADA

*"95" Trailer Sales*  
4339 N. Rancho Drive  
Las Vegas, Nevada 89106  
(702) 645-1122

*Webb's Travel Trailers*  
295 Kietzke Lane  
Reno, Nevada 89502  
(702) 329-3441

## NEW HAMPSHIRE

*Ray's Marina, Inc.*  
Route #16  
Milton, New Hampshire 03851  
(603) 652-4523

## NEW JERSEY

*Airstream by Angell*  
Route 78 & 173 Interchange  
Box 94  
Bloomsbury, New Jersey 08804  
(201) 479-4118

*South Jersey Travel Trailer Center, Inc.*  
Route 47  
Delsea Drive  
Franklinville, New Jersey 08322  
(609) 694-1700 or 694-1701

## NEW MEXICO

*Gunn's Recreational Vehicles, Inc.*  
12020 Central Avenue, S.E.  
Albuquerque, New Mexico 87123  
(505) 296-0507

## NEW YORK

*Bailey-Momot, Inc.*  
Rural Route 1, Box 316  
Plattsburgh, New York 12901  
(518) 563-2440 or 563-2441

*Ballantyne Trailer City, Inc.*  
7447 Route 96  
Victor, New York 14564  
(716) 924-3264

*Brown's Trailer Sales, Inc.*  
RD No. 1, Box 12  
Marathon, New York 13803  
(607) 849-3238

*Callahan's Recreational Service, Inc.*  
Route 15, R.D. 1  
Lindley, New York 14858  
(607) 523-6689

*Ken's Camper Sales*  
Noxon Road  
Poughkeepsie, New York 12603  
(914) 452-5095

*Maroone Family Travel Center, Inc.*  
2250 Walden Avenue, Exit 52  
E. from NY Thruway  
Buffalo, New York 14225  
(716) 681-1700

*Niblack Trailer Sales*  
691 McLean Avenue  
Corner NY Thruway  
Yonkers, New York 10704  
(914) 965-5685

*O'Malley Enterprises, Inc.*  
Traffic Circle – Route 9 & 7  
P. O. Box 116  
Latham, New York 12110  
(518) 785-6654

*Ralph Bubbs Sport Center*  
R.D. 5  
Route 57  
Fulton, New York 13069  
(315) 695-5020

## NORTH CAROLINA

*Bob Ledford Travel Trailers*  
328 New Leicester Highway  
Asheville, North Carolina 28806  
(704) 253-1681

*College Park*  
4208 New Bern Avenue  
Raleigh, North Carolina 27610  
(919) 833-7015

*College Park*  
North Church Street Extension  
US 301 and 301A North  
Rocky Mount, North Carolina 27801  
(919) 446-7166 or 446-9233

*Faires, Inc.*  
3217 N. Tryon Street  
Box 5205, Route 29 and 49  
Charlotte, North Carolina 28206  
(704) 333-1195 or 377-1449

*Hawley's Cycle & Camping Ctr., Inc.*  
4784 Raeford Road  
Fayetteville, North Carolina 28304  
(919) 425-3145

*Out of Doors Mart, Inc.*  
Winston-Salem, Greensboro Highpoint  
I-40 at Sandy Ridge Road Exit  
Drawer 799  
Kernersville, North Carolina 27284  
(919) 993-4518

## NORTH DAKOTA

*McLaughlin Equipment Co.*  
320 27th Street, South  
Fargo, North Dakota 58102  
(701) 237-6046

## OHIO

*Avalon Travel Center, Inc.*  
11761 Portage Road  
Canal Fulton, Ohio 44614  
(216) 854-2222

*Buckeye Airstream Serv. & Sales, Inc.*  
Baltimore Road, Box 13  
N. of E. 1-70 on 310 at Rt. 40  
Etna, Ohio 43018  
(614) 861-6389

*Camping World, Inc.*  
37200 Vine Street  
Willoughby, Ohio 44094  
(216) 951-2011

*Coachman Camping Center*  
410 East Sandusky Street  
Findlay, Ohio 45840  
(419) 423-1912

*Frank B. Ricketts Travel Trailers*  
P. O. Box 683  
I-77 at US 40  
Cambridge, Ohio 43725  
(614) 432-4040

*H & H Recreation World*  
P. O. Box 108, N. County Rd. 25A  
Piqua, Ohio 45356  
(513) 773-2212

*Moore's Travel Trailers, Inc.*  
34155 Lorain Road  
North Ridgeville, Ohio 44039  
(216) 327-6921 or 327-6911

*Murphy Travel Trailers of Ohio, Inc.*  
11526 Chester Road  
3 doors N. of Windjammer  
Cincinnati, Ohio 45246  
(513) 771-5771

*Sylvan Industries, Inc.*  
*dba Sylvan Airstream*  
5247 Alexis Road  
Sylvania, Ohio 43560  
(419) 882-0541

**OKLAHOMA**  
*Brassfield Mobilhomes*  
7227 NW 39th Expressway  
Bethany, Oklahoma 73008  
(405) 789-4941

*Travel Home Sales, Inc.*  
16015 East Admiral Place  
Tulsa, Oklahoma 74138  
(918) 437-0020

**OREGON**  
*Cascade Trailer Sales*  
1876 Highway 99, North  
Eugene, Oregon 97402  
(503) 688-8505

*Spencer's RV Center*  
9341 S.E. 82nd Avenue  
Portland, Oregon 97266  
(503) 777-1484

**PENNSYLVANIA**  
*Farnsworth Camping Center*  
Route 54  
Elysburg, Pennsylvania 17824  
(717) 672-2332

*Glasgow Recreational Vehicles, Inc.*  
1650 Lincoln Way East  
Chambersburg, Pennsylvania 17201  
(717) 264-9551

*Lo-Jan Travel Center*  
Route 6, Scranton-Carbondale Hwy.  
Scranton, Pennsylvania 18508  
(717) 489-9302

*Mellott Brothers*  
R.D. #2  
Willow Street, Pennsylvania 17584  
(717) 464-2311 or 464-2601

*Robison Trailer Sales*  
Route 198 at Blooming Valley  
R.D. #3  
Meadville, Pennsylvania 16335  
(814) 724-8129

*Travel-L-Homes*  
Lewis Road  
Royersford, Pennsylvania 19468  
(215) 948-5111

*Turner Airstream Sales*  
412 Lincoln Highway, W.  
Jeannette, Pennsylvania 15644  
(412) 523-6545 or 523-6546

*Universal Motor Sales of Butler, Inc.*  
1030 North Main Street  
Route 8 & 422  
Butler, Pennsylvania 16001  
(412) 287-4745

*Village Green Trailer Sales Co.*  
Route 452, Pennell Road  
Media, Pennsylvania 19063  
(215) 494-4155 or 494-4035

*Wise Trailer Sales*  
*Division of F. W. Wise Gas Co.*  
1501 Airstream Way  
Clearfield, Pennsylvania 16830  
(814) 765-7801

**RHODE ISLAND**  
*Arlington Trailer Sales*  
966 Quaker Lane, Route 2  
Warwick, Rhode Island 02818  
(401) 884-7550

**SOUTH CAROLINA**  
*Dixie Lee Trailer Sales*  
Highways US 1 & 78  
P. O. Box 306  
Clearwater, South Carolina 29822  
(803) 593-2162

*Skyway Trailers*  
Box 262, US 25 and 276  
4 mi. North of Greenville  
Travelers Rest, South Carolina 29690  
(803) 834-4224

*Trail Center of Charleston, Inc.*  
5728 Dorchester Road  
North Charleston, S. Carolina 29405  
(803) 552-4700

**SOUTH DAKOTA**  
*Spader Camper Center*  
5500 North Cliff, Box 963  
Sioux Falls, South Dakota 57101  
(605) 339-3230

*Eddies Airstream & Winnebago Inn*  
1002 East Omaha  
Rapid City, South Dakota 57701  
(605) 342-3900

**TENNESSEE**  
*Bobby Jones Trailer Sales*  
4222 James Road (in Raleigh)  
Memphis, Tennessee 38128  
(901) 386-5833

*Cullum & Maxey Camping Center*  
Elzie Miller Road  
2 Miles North of Opryland  
Donelson (Nashville), Tennessee 37214  
(615) 889-1600

*Jewell's Camping Center*  
Route 4, Highway 45  
Trenton, Tennessee 38382  
(901) 855-9590

*Jim Crowder Recreational Vehicles*  
Route 4, Bristol Highway  
Johnson City, Tennessee 37601  
(615) 928-7201

*Murphy Motor Manors*  
P. O. Box 99, Murphy Park  
3163 Airport Road  
Alcoa, Tennessee 37701  
(615) 984-2380

**TEXAS**  
*A & A Trailer Sales*  
118 Arnold Boulevard  
Abilene, Texas 79605  
(915) 692-1555

*Abbott Trailer Sales*  
408 Avenue Q  
Lubbock, Texas 79401  
(806) 763-4747

*Bear Trailer Sales*  
South of Dallas on I-35  
Bear Creek Road Exit  
Lancaster, Texas 75146  
(214) 223-6025

*D & M Trailer Sales, Inc.*  
3900 I-40 East  
Amarillo, Texas 79103  
(806) 374-1211 or 374-3789

*Eastex Camper Sales #1*  
15422 Eastex Freeway  
Houston, Texas 77039  
(713) 441-2138

*Eastex Campter Sales #2*  
8860 Gulf Freeway  
Houston, Texas 77017  
(713) 941-7648

*Land Yacht Trailer Sales, Inc.*  
4616 Titanic Avenue  
El Paso, Texas 79904  
(915) 751-0591

*Logan's Crestview RV Center, Inc.*  
I-35 at Niederwald Exit  
Box 398  
Buda, Texas 78610  
(512) 472-4609

*Otis Thomas Sales, Inc.*  
2606 Jacksboro Highway  
Wichita Falls, Texas 76302  
(817) 767-1234 or 767-0220

*South Texas Trailers & Supplies*  
Highway 77, S., P.O.Box 880  
Sinton, Texas 78387  
(512) 364-1118

*South Texas Trailer & Supplies*  
101 Expressway 83, P.O.Box 457  
Donna, Texas 78537  
(512) 464-3432

**UTAH**  
*Brasher's RV Sales and Service*  
3371 S. State  
Salt Lake City, Utah 84115  
(801) 466-5501

**VIRGINIA**  
*Bay Camping, Inc.*  
3757 Bonney Road  
Virginia Beach, Virginia 23452  
(804) 486-1211

*Cheek & Shockley Auto & Tlr. Sls., Inc.*  
2600 Mechanicsville Pike  
Richmond, Virginia 23223  
(804) 649-7508

*Cheek & Shockley Auto & Tlr. Sls., Inc.*  
600 West Hundred Road  
Chester, Virginia 23831  
(804) 748-2221

*James River Camper Sales, Inc.*  
Box 834, US 460E  
Lynchburg, Virginia 24505  
(804) 845-6127

*Koons Pontiac-Oldsmobile, Inc.*  
7105 Sudley Road  
Manassas, Virginia 22110  
(703) 591-4934

*Travel Trailers of VA.*  
2211 South Main Street  
P. O. Box 1089  
Harrisonburg, Virginia 22801  
(703) 434-9676

**WASHINGTON**  
*Baydo's Trailer Sales*  
101 West Columbia Drive  
Kennewick, Washington 99336  
(509) 582-2138

*Central Trailer Exchange, Inc.*  
14433 Pacific Highway, South  
Seattle, Washington 98168  
(206) 244-9600

*Devon Lee Corporation*  
11257 Kirkland Way, P.O.Box 464  
Kirkland, Washington 98033  
(206) 822-2211

*Tveten Motor Company*  
45th and Pacific Avenues  
Tacoma, Washington 98408  
(206) 472-1600 or 472-7112

**WEST VIRGINIA**  
*Airstream by Stanley*  
1400 N. Eisenhower Drive  
Box 1545  
Beckley, West Virginia 25801  
(304) 252-6121

*Don's Travel Trailers, Inc.*  
459 Winfield Road  
US 35 at 60  
St. Albans, West Virginia 25177  
(304) 727-2153 or 727-2731

**WISCONSIN**  
*Donna Lee, Inc.*  
*dba Du-B-Do Sales & Service*  
Route 4, Box 182E  
Mosinee, Wisconsin 54455  
(715) 457-2406

*Northside Trailer Sales, Inc.*  
N. 56 W. 13180 Silver Spring Road  
1 mi. W. of Hwy 100 on Silver Spring Rd.  
Menomonee Falls, Wisconsin 53051  
(414) 781-9646 or 781-9647

*Swee Trailer Sales*  
US 2 and US 51  
Hurley, Wisconsin 54534  
(715) 561-4887

**CANADA**  
*Barber Motors, Ltd.*  
19 - 2nd Street  
Weyburn, Saskatchewan  
(306) 842-5421

*Can-Am Trailers Ltd.*  
Box 370  
Hwy. 4, ½ mi. N. 401, Exit 19  
Lambeth, Ontario NOL 1S0  
(519) 652-3284

*Claynor Trailer Sales*  
20720 - 42nd Avenue  
Langley, B.C.  
(604) 530-0771

*Kanata Tent & Trailer Sales, Ltd.*  
Highway 7, Box 190  
Stittsville, Ontario  
(613) 836-2310 or 836-2971

*Maurice Gareau, Inc.*  
8595 Henri-Bouvassa E. Boulevard  
Montreal, Quebec, Canada  
(514) 321-7933

*Pik-A-Dilly Trailer and Marine Sales*  
34th Street & Victoria Avenue  
Brandon, Manitoba B7B 0M0  
(204) 728-8570

*Totem Trailers, Ltd.*  
85 Plains Road, West  
Burlington, Ontario  
(416) 632-0703

*Travel Trailers Southern*  
2620A Barlow Trail, N.E.  
Calgary, Alberta, T1Y 1A1  
(403) 273-2223

*Travel Trailers Western, Ltd.*  
6006 - 104th Street  
Edmonton, Alberta T2N 2K3  
(403) 434-6555 or 434-6939

*Twin City Trailer Sales, Ltd.*  
Dartmouth Highway, Box 395  
Bedford, Halifax Co., Nova Scotia  
(902) 835-3138





# Wally Byam Stores

To make trailering more enjoyable, there are Wally Byam Stores established at the majority of Airstream dealers. All Airstream dealers have the opportunity of purchasing for you the necessary equipment which would enable you to enjoy your new Airstream trailer to the utmost. The Wally Byam Stores authorized dealerships stretch from coast to coast, and these dealers stock hundreds of items which are tested and approved by travel experts. Be sure and get a Wally Byam Stores Catalog from your dealer or write to:

Wally Byam Stores  
Ohio Building  
Ohio Avenue  
Sidney, Ohio 45365

The following is a list of equipment we recommend:

1. First aid kit
2. Flashlight
3. Fire extinguisher (B:C-type)
4. Emergency road flares
5. Handi-Roll Trailer Tool File — with small hand tools — hammer, pliers, crescent wrench and screwdrivers. Rec-V Tool Kit — contains: one 4 in 1 screwdriver with slotted and Phillips head bits, Scrulox square recessed bits #1 and #2, plus clutch head double end bits 5/32" and 3/16".
6. Crosstype lug wrench for trailer wheels
7. Pop rivets (3 sizes) plus pop rivet gun
8. Battery booster cables

9. Tire gauge (up to 100 lbs. P.S.I.)
10. Hitch ball lube
11. Small bi-directional spirit level
12. Heavy-duty turn signal flasher
13. Four stabilizing jacks
14. Leveling ramps and chocks to fit against and under tires for leveling, and to prevent trailer from moving while parked
15. Spare tire for single axle trailers
16. One 50 ft., one 25 ft. length of 5/8" high pressure water hose, spare rubber washers and two "y" connections with caps which enable two trailers to be hooked up to one faucet
17. Two plastic pails for carrying fresh water
18. Quick disconnect garden hose coupling
19. One 10 ft. or 20 ft. sewer hose and coupler
20. One rubber sewer elbow, plus two 2½ to 3¾ adjustable hose clamps
21. One Thetford sewer hose adaptor (elbow or straight)
22. One 1/2 gal. holding tank cleaner and deodorizer
23. 50 ft. electric cord (#12-3 wire) with a 30 amp. capacity
24. Cord adapter, 3-15 amp. and service cord adaptor
25. Spare 20, 40 and 50 amp. cartridge fuses and light bulbs (see pages 76-77 for sizes)
26. Can of Spra-Kleen
27. Short handled shovel (G.I. type, Army surplus)
28. Cleaning equipment: broom, sponges, mop, polish, wax, a good acrylic cleaner
29. Bathtub stopper (adjustable type)

# Tow Car Equipment

If you plan to buy a new car to tow your Airstream, we suggest that you include in your purchase the trailer towing options offered by most automobile manufacturers. These include such things as an oversized generator and radiator, heavy duty springs and shock absorbers, automatic transmission cooler, oversized fan, heavy duty flusher unit and others, depending on the make of the vehicle.

Transmissions may be manual or automatic, but an automatic transmission will prolong your car's engine life and does a better job of controlling engine loads than the average driver using a manual shift.

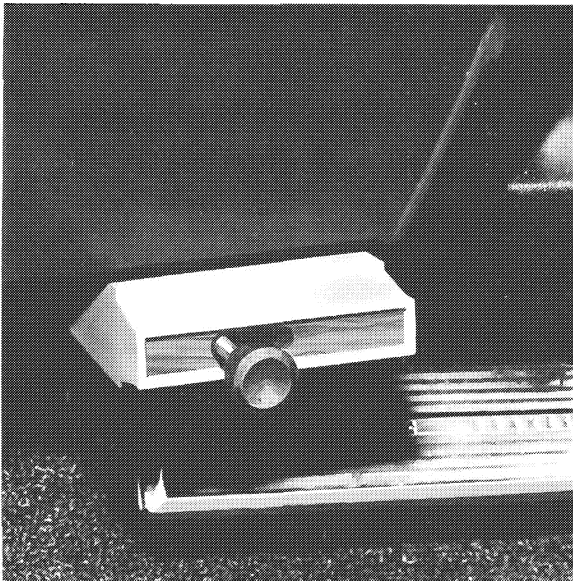
Having adequate power is very important when considering the purchase of a new car or the trailer towing capability of your present one. Emission controls that are required by the Federal Government have reduced overall engine power. To determine generally what the tow capability of your car is, divide the total weight of your trailer by the cubic inch displacement of your automobile engine. This ratio should be between 10 and 20 pounds of trailer weight per cubic inch of engine displacement with 15 pounds per cubic inch considered optimal. For example, with a 31' Airstream weighing 6500 pounds totally loaded for travel and a car with 400 cubic inch displacement engine, divide 6500 by 400 giving a value of 16.25 pounds of trailer

weight per cubic inch engine displacement. This is very close to the optimal value and the automobile should have adequate power for towing the trailer. Remember that engine power is only one indication of the car's towing capabilities; the axle ratio and cooling capabilities certainly must be considered. We suggest you review the owner's manual of your present car and discuss your automobile towing capabilities with your Airstream dealer and your automobile dealer.

Inspect your vehicle's hitch regularly for loose bolts or nuts, cracked welds, loose ball mounts, worn parts, etc.

The majority of new trailerists carry more food and other supplies than really needed. Remember that every item you take along is one more thing to stow and adds weight to the total load you must pull. Consolidate items in shelves, lockers, and in the refrigerator. It is better to have one full and one empty locker than two half empty ones. Special care must be taken not to overload the front and rear ends of the trailer.

See tire section for correct tire sizes and pressures for your trailer and load on pages 30-32.



Trailer Brake Controller

# Brakes

The Kelsey Hayes Brakes are operated by 12 volt current from your car and must be hooked up so that you have an integral system with your car brakes. To prevent problems and insure satisfactory braking action, install a Kelsey Hayes Controller (or equivalent) and selective resistor in line with the controller in your car.

A Kelsey Hayes Controller (or equivalent) installed in your car will synchronize the trailer brakes with your car brakes. It is designed to apply the trailer brakes just before your car brakes. To adjust, turn the handle counterclockwise to apply trailer brakes earlier and clockwise to apply trailer brakes later. The controller will hold this setting.

## Selective Resistor

All settings shown are for 12 volt tow car with 12 volt brakes, and trailers with 2 axle - 4 brake arrangement except where noted.

Model	Trailer Wt. (lbs.)		Setting
21 Ft. Single Axle - 2 brake 23 Ft. Single Axle - 2 brake	3500 - 4000		
21 Ft. Single Axle - 2 brake 23 Ft. Single Axle - 2 brake	4000 - 4500 4000 - 4800	No resistor required. Attach both leads to terminal B.	
23 Ft. 25 Ft. 27 Ft.	4500 - 5200 4500 - 5200 4500 - 5200		
23 Ft. 25 Ft. 27 Ft. 29 Ft. 31 Ft.	5200 - 5800 5200 - 5800 5200 - 6000 5200 - 6000 5200 - 6000		
27 Ft. 29 Ft. 31 Ft.	6000 - 6200 6000 - 7100 6000 - 7100		

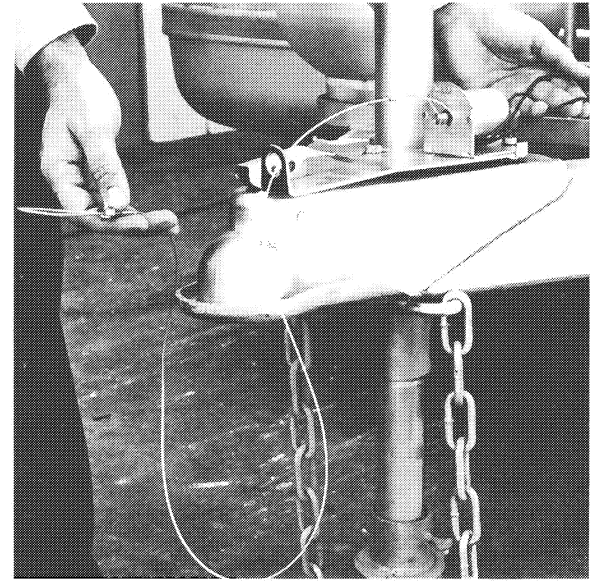
A selective resistor to match the weight of your trailer to the controller should be installed on the fire wall of your engine compartment. It should be correctly adjusted during installation. However if you wish to change the action of your brakes proceed as follows:

Check the initial trailer brake application with the controller fully applied (clockwise). If the resistor setting is correct, the controller full “on” position should provide firm braking action just short of skidding on dry pavement. Follow the chart below and change the setting to achieve greater or less braking, as required. The adjustment setting of the controller and the selective resistor should be checked by your dealer during regular maintenance inspection.

In the event of an accidental separation of the tow car and trailer, the **break-away switch** is a device which will set and lock the trailer brakes for a sufficient length of time to stop the trailer. The switch is activated when the small pin in the front of the unit is pulled out by the wire attached to it and to the car. **This pin should be pulled out, lubricated with light household oil and replaced every 90 days.**

To prevent corrosion within the break-away switch, pull the switch’s pin straight forward and spray the inside of the switch through the hole with an electrical contact cleaner (such as Spra-Kleen) and reinsert pin. A drop of light household oil on the groove near the base of the pin will allow the pin to operate freely.

When the trailer is connected to the tow car,

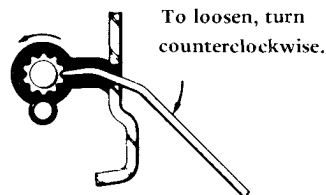
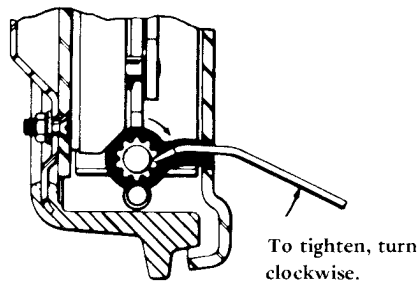
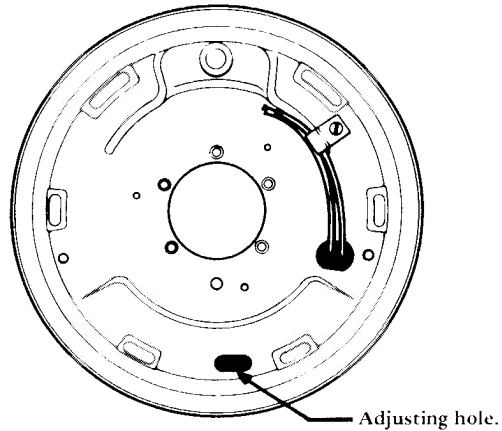


*Break Away Switch*

the **break-away switch loop** should be attached to the permanent frame of your hitch. When disconnecting trailer from tow car, remove wire loop from the frame; **do not remove pin from switch, because this will apply the trailer brakes. Caution: Do not use break-away switch for parking brake.**

Airstream recommends that your brake system be checked and adjusted by a Certified Service Center. However, in emergencies, to adjust brakes:

1. Remove the small rubber plug at the base of the backing plate on the brake drum.
2. Jack the wheel up so that you can spin it by hand. Tighten the brakes (using a brake adjusting tool or a screwdriver that has been bent to a 90° angle) until the wheel is locked, then back off until you have a free spinning wheel, which will be approximately 8 notches.



3. Repeat this operation with all trailer wheels.

The optional Tru Track Sway Control is a single package system which momentarily applies the trailer brakes when sway develops as the result of such occurrences as rapid maneuvers to avoid road obstacles, air disturbances caused by passing vehicles and accidental travel on and off the shoulder of the road. Because of its design, it will not react to any normal driving maneuver that is smoothly performed. However, it will interpret any maneuver that jerks the trailer as an indication of sway and the restraint felt from the short brake application will normally alert the driver to steer with greater care.

An important feature of the system is an auto dash mounted light which illuminates each time the sway control applies the brakes. It also illuminates when the brakes are applied by the driver in normal braking. The intensity of the light increases as the braking effort is increased.

Frequent operation of the Sway Control indicates that the car-trailer combination is basically unstable and prone to excessive sway. The problem should be corrected; check for improper load distribution in the trailer, an inadequate hitch, insufficient or excessive tire pressure, etc.

**Important:** If at any time dash light remains on or Sway Control is continually applying trailer brakes, disconnect Sway Control unit at power source and correct problem.

# Loading

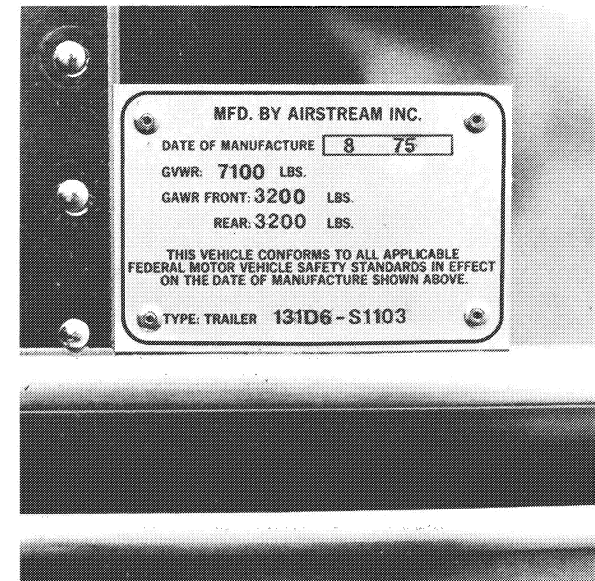
For the last 40 years, Airstream has been building trailers and have rarely found an instance where people have overloaded their trailer. Because it can happen we are giving you instructions for weighing your trailer. We are also providing you with an alternate method of determining the weight of your trailer without the use of scales. The following weight information and form will help you determine the actual weight of your trailer, with all its options and variable weights, and how much personal cargo weight can be added, staying within the weight ratings of your trailer.

Per Federal regulations, your trailer is placarded on the front roadside area with a gross vehicle weight rating and a gross axle weight rating. The gross vehicle weight rating is the maximum the trailer can weigh when it is being towed. The gross axle weight rating is the maximum load that can be on each axle when the trailer is being towed.

The Dura-Torque axle is designed to last the life of your trailer without service, except for lubrication of the wheel bearings. Under no circumstances should welding be done on or near the axle.

The diagram on the following page illustrates the use of scales in determining (1) your trailer's total weight, (2) weight on axle assemblies and (3) weight on tongue.

The allowable personal cargo, and placement



*Gross Vehicle Weight Rating*

within the trailer, may be determined by the following methods.

Before weighing trailer **add all trailer's variable weights** which are full water tank, LPG tanks and water heater.

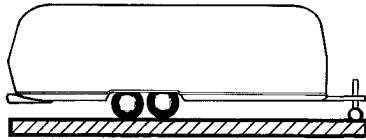
**Note:** The variable weights of the main and auxiliary holding tanks are not used because, under typical usage, if the water tank is full, there is storage capacity in the holding tanks. As the water tank is emptied, the holding tanks are filled.

**Remove personal cargo** which includes food, clothing, kitchen utensils, etc. from trailer. Your trailer is now ready for weighing.

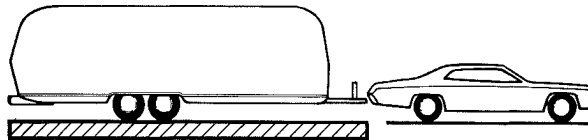
The **trailer's total weight** is determined by placing the trailer, without tow vehicle, on a scale. This weight indicates your trailer's total

---

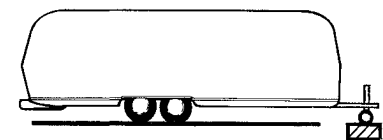
## Trailer Weighing



1. Trailer's Total Weight  
(cannot exceed G.V.W.R.)



2. Trailer's Weight  
on Axle Assemblies  
(cannot exceed G.A.W.R.)



3. Weight on  
Trailer's Tongue

---

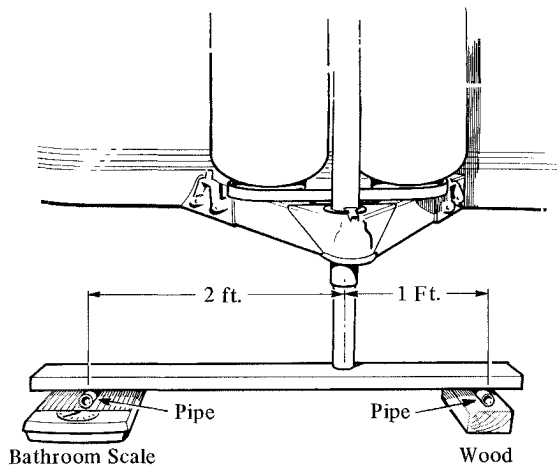
weight without personal cargo. The allowable personal cargo that you add to your trailer **shall not exceed** the difference between the Gross Vehicle Weight Rating (G.V.W.R.) and this weight. Example: if the G.V.W.R. rating on the placard is 7100 lbs and the trailer's total weight is 6100 lbs, your personal cargo may not exceed 1000 lbs ( $7100 - 6100 = 1000$ ).

The **allowable personal cargo**, determined above, must be distributed in your trailer in such a manner that the **Gross Axle Weight Rating (G.A.W.R.)** is not exceeded.

To determine this, it is necessary to load all of your allowable personal cargo (example above 1000 lbs total) and variable weights. Then hitch trailer to tow vehicle with load equalizing hitch properly adjusted, see the diagram on page 31.

Place trailer on scale with both axles only on scale, see (2). If the weight on the axles exceeds the axle system G.A.W.R. then some of personal cargo must be redistributed forward in order to place some of this weight on the tongue.

The **tongue weight** should be between 10%-15% of the trailer's weight **but must not exceed 1,000 lbs.** Some tow vehicle manufacturers may restrict the amount of tongue load to a lower value. To determine tongue load, unhitch tow vehicle and place tongue hitch post on scale, see (3). The trailer must be properly loaded, as determined above, with your allowable personal cargo and variable weights.



*Tongue Weight*

A scale which has a lower weight limit than your tongue load, such as a bathroom scale, may be used to check the tongue weight by using the following method (see illustration):

Place a piece of wood of approximately the same thickness as the bathroom scales on the ground in line with the trailer hitch jack as shown. It should be so spaced that a short piece of pipe or other round piece will lay exactly one foot from the center line of the jack extension. Place the scales so that another round piece can be exactly two feet from the center line of the jack extension in the other direction. Place a 2 x 4 or 4 x 4 on the two round pieces and screw the jack extension down on the top of the 2 x 4 until the tongue of the trailer is supported by it. Multiply the scale reading by three. This will be the tongue weight of your trailer. If you exceed the capacity of the bathroom scales,

increase the two foot dimension to three or four or more feet but always multiply the scale reading by the total number of feet between the wood and scales.

**Caution:** Be sure trailer is level when you read scales.

An alternate method for determining the weight of your trailer, without the use of scales, is by using the following information and form.

Before you fill in the blank form that pertains to your trailer, please read the sample form, page 24, to see what type of information will be needed.

First enter the model length, type of beds, and type of bathroom of your trailer on the first line (i.e. 31 Ft. Twin Rear Bath).

#### Column A

Column A represents the Total Maximum Personal Cargo weight that can be added to your trailer. Personal Cargo includes food supplies, clothing, other personal items, etc. Find the Factory Weight of your trailer, Chart A, page 26 and enter it across from ITEM 1 Column A (Factory Weight = weight without options and variable weights (i.e. 5035 lbs).

Next fill in the total weights of the options and variable weights with which your trailer is equipped. This information is on Charts B, C, or D, pages 27, 28, 29. Add all of the weights together and this total becomes ITEM 2, Column A (i.e. 860 lbs).

Next add ITEM 1 and ITEM 2. This becomes ITEM 4, Column A (i.e. 5895 lbs). This is the sum total of your trailer's Factory Weight plus the Options and Variable Weights.

Next enter in ITEM 5, Column A (i.e. 7100 lbs), your trailer's Gross Vehicle Weight Rating (G.V.W.R.). This information is on the placard located on the front road side area of your trailer which corresponds to information on Chart A, page 26. The Gross Vehicle Weight Rating is the maximum the trailer can weigh when it is being towed. Next subtract ITEM 4, Column A from ITEM 5 Column A; this amount indicates the Total Maximum Personal Cargo that can be added to your trailer (i.e. 1205 lbs). Under no circumstances shall the G.V.W.R. be exceeded.

#### Column B

Column B represents the Recommended Personal Cargo that can be added to your trailer's tongue. Find the Factory Tongue Weight of your trailer and enter it in ITEM 1 Column B (Factory Tongue = weight without options and variable weights, (i.e. 490 lbs). This information is on Chart A page 26. Column B has + weight and - weight. Due to the location of optional items within the trailer, their weight will either have a + weight or - weight effect on the tongue. If the option is behind the axle system, or rear of trailer, it will tend to have a - weight, or lifting effect on the tongue; if the option is forward of the axle system, or the front of trailer, it will have a + weight or loading effect on the tongue. Next fill in + weights or - weights of the options and variable weights with which your trailer is equipped, indicated in the Tongue

## Weight Columns on Chart B, C or D

Next total both the + weight (i.e. 217 lbs) and - weight (i.e. 65 lbs) columns and find the difference between the two columns; this becomes ITEM 2 Column B (i.e. + 152 lbs). Next add ITEM 1 Column B and ITEM 2 Column B; this becomes ITEM 4 (i.e. 642 lbs). This is the total of your trailer's Factory Tongue Weight, plus the weight of the Options and Variable Weights on the tongue. Next enter in ITEM 5 Column B 12½% of your trailer's G.V.W.R. (i.e.  $.125 \times 7100 = 888$ ); this information is located on Chart A page 26.

Next subtract ITEM 4 Column B from ITEM 5 Column B and the amount indicates the amount of Recommended Personal Cargo that can be added to your trailer's tongue (i.e. 246 lbs).

The maximum tongue load must not exceed 1000 pounds. Some tow vehicles may restrict the amount of tongue load to a lower value. The tongue load is a total of the weight in ITEM 4 Column B plus your personal cargo.

## Column C

Column C represents the Maximum Personal Cargo that can be added to your trailer's axle system. Find the Factory Axle Weight of your trailer and enter it in ITEM 1 Column C (i.e. 4545 lbs — Factory Axle Weight = weight without options and variable weights). This information is on Chart A page 26. Next fill in the axle system weights of the options and variable weights with which your trailer is equipped from the Axle System columns on

Chart B, C or D pages 27, 28, 29. Add all of the weights together and this total becomes ITEM 2, Column C (i.e. 708 lbs).

Next calculate 34% of ITEM 5 Column B (i.e.  $.34 \times 888 = 302$ ). This becomes ITEM 3 Column C and represents the amount of tongue weight that is transferred to the trailer's axle system when properly hitched with a load equalizing hitch assembly. (The remaining 66% is transferred to the tow vehicle.) Next add ITEM 1 Column C, ITEM 2 Column C, and ITEM 3 Column C; this becomes ITEM 4 Column C (i.e. 5555 lbs). This is the sum total of your trailer's Factory Axle Weight, the weight of the Options and Variable Weights on the axle system, and 34% of the tongue weight. Next enter in ITEM 5 Column C the sum of your trailer's Gross Axle Weight Rating (G.A.W.R. — i.e.  $3200 + 3200 = 6400$  lbs).

This information is on the placard on the front roadside area of your trailer which corresponds to information on Chart A page 26.

The Gross Axle Weight Rating is the maximum load that can be carried on the axle system when the trailer is being towed. Next subtract ITEM 4 Column C from ITEM 5 Column C. The remainder is the amount of total Maximum Personal Cargo that can be added to your trailer's axle system (i.e. 845 lbs).

Under no circumstances shall the G.A.W.R. be exceeded.

Sample Form

	Column A		Column B			Column C	
	Maximum Personal Cargo Total (includes axle systems & tongue)		Recommended Personal Cargo on Tongue			Maximum Personal Cargo on Axle System	
Model: <i>31 FT. TWIN - REAR BATH</i>							
Factory Weight – w.o. options and variable weights	Item 1	<i>5035</i>					
Factory Axle Weight – w.o. options and variable weights	----->		----->			Item 1	<i>4545</i>
Factory Tongue Weight – w.o. options and variable weights	----->		Item 1		<i>490</i>		
Options:			+ Weight	- Weight			
Air Conditioner	<i>150</i>		<i>26</i>			<i>124</i>	
Auxiliary Main Step	<i>11</i>		<i>5</i>			<i>6</i>	
B.A.L. Jacks	<i>60</i>		<i>10</i>			<i>50</i>	
Battery Charger							
Bunk Bed (each)							
Entertainment Group	<i>17</i>		<i>11</i>			<i>6</i>	
Hanging Wardrobe (each)							
L-Front Lounge							
Micro Wave Oven							
Refrigerator RM-77							
Refrigerator RM-100	<i>6</i>		<i>2</i>			<i>4</i>	
Safety Group	<i>10</i>		<i>2</i>			<i>8</i>	
Space Locker (long)							
Space Locker (short)							
Spare Tire Bracket							
Spare Tire							
T.V. Antenna							
Vacuum Cleaner							
Waste Tank – Auxiliary (tank and pan only)	<i>60</i>			<i>-30</i>		<i>90</i>	
Window – Dual Pane							
Window – Vista View	<i>34</i>		<i>14</i>			<i>20</i>	
Variable Weights:							
Water Heater	<i>83</i>			<i>-35</i>		<i>118</i>	
Water Tank	<i>373</i>		<i>97</i>			<i>276</i>	
L.P.G. (tank and liquid) <i>7 GAL. STEEL TANK</i>	<i>56</i>		<i>50</i>			<i>6</i>	
Item 2	Total	<i>860</i>	<i>860</i>	<i>+ 217</i>	<i>- 65</i>	<i>= 152</i>	<i>708</i>
Item 3	34% of Item 5 Column B						<i>302</i>
Item 4	Item 1 & 2 Total	<i>5895</i>	Add Item 1 & 2		<i>642</i>	-Add Item 1, 2, 3	<i>5555</i>
Item 5	G.V.W.R.	<i>7100</i>	Enter 12½% G.V.W.R.		<i>888</i>	G.A.W.R.	<i>6400</i>
Enter Item 4 and subtract from Item 5		<i>5895</i>			<i>-642</i>		<i>5555</i>
Maximum Personal Cargo		<i>1205</i>					
Recommended Personal Cargo on Tongue					<i>246</i>		
Maximum Personal Cargo on Axle System							<i>845</i>

Blank Form

	Column A		Column B			Column C		
	Maximum Personal Cargo Total (includes axle systems & tongue)		Recommended Personal Cargo on Tongue			Maximum Personal Cargo on Axle System		
<b>Model:</b>								
Factory Weight – w.o. options and variable weights	Item 1							
Factory Axle Weight – w.o. options and variable weights	----->		----->			Item 1		
Factory Tongue Weight – w.o. options and variable weights	----->		Item 1					
<b>Options:</b>			+ Weight	- Weight				
Air Conditioner								
Auxiliary Main Step								
B.A.L. Jacks								
Battery Charger								
Bunk Bed (each)								
Entertainment Group								
Hanging Wardrobe (each)								
L-Front Lounge								
Micro Wave Oven								
Refrigerator RM-77								
Refrigerator RM-100								
Safety Group								
Space Locker (long)								
Space Locker (short)								
Spare Tire Bracket								
Spare Tire								
T.V. Antenna								
Vacuum Cleaner								
Waste Tank – Auxiliary (tank and pan only)								
Window – Dual Pane								
Window – Vista View								
<b>Variable Weights:</b>								
Water Heater								
Water Tank								
L.P.G. (tank and liquid)								
	Item 2	Total	----->		+	-	=	----->
	Item 3	34% of Item 5 Column B	----->					----->
	Item 4	Item 1 & 2 Total		Add Item 1 & 2		Add Item 1, 2, 3		
	Item 5	G.V.W.R.		Enter 12½% G.V.W.R.		G.A.W.R.		
	Enter Item 4 and subtract from Item 5							
	Maximum Personal Cargo							
	Recommended Personal Cargo on Tongue		----->					
	Maximum Personal Cargo on Axle System		----->					

Chart A: Weights and Ratings

Model	Gross Vehicle Weight Rating G.V.W.R.	Factory Weight Without Options Or Variable Weights	Allowable Additional Total Weight Incl. Personal Cargo	Gross Axle Weight Rating G.A.W.R. (Axle System)	Factory Axle Weight (Axle System)	Allowable Additional Weight (Axle System)	Factory Tongue Weight Without Options Or Variable Weights
21 Ft.	4500	3390	1110	4080	2970	1110	D 420
23 Ft. T	4800	3420	1380	4080	2840	1240	T 580
Single Axle D	4800	3460	1340	4080	2890	1190	D 570
23 Ft. T	5800	3745	2055	5200	3155	2045	T 590
Tandem Axle D	5800	3800	2000	5200	3230	1970	D 570
25 Ft. T	5800	4110	1690	5200	3500	1700	T 610
D	5800	4190	1610	5200	3560	1640	D 630
27 Ft. T	6200	4575	1625	5600	4060	1540	T 515
Rear Bath D	6200	4600	1600	5600	4100	1500	D 500
27 Ft. Center Bath	6200	4575	1625	5600	4024	1576	550
29 Ft. T	7100	4855	2245	6400	4340	2060	T 515
Rear Bath D	7100	4850	2250	6400	4365	2036	D 485
29 Ft. T	7100	4795	2305	6400	4145	2255	T 650
Center Bath D	7100	4765	2335	6400	4130	2270	D 635
31 Ft. T	7100	5035	2065	6400	4545	1855	T 490
Rear Bath D	7100	5065	2035	6400	4570	1830	D 495
31 Ft. T	7100	4975	2125	6400	4325	2075	T 650
Center Bath D	7100	4970	2130	6400	4280	2120	D 690

\*Allowable additional weight includes all options and accessories, L.P.G., water, waste, food supplies, clothing, other personal cargo, etc.

T= Twin Bed Models  
D= Double Bed Models

Chart B: Land Yacht

Optional Equipment Variable Weights	Total Weight	21 Ft.		23 Ft.		23 Ft. Twin		23 Ft. Double		25 Ft. Twin		25 Ft. Double	
		Single Axle	Tongue	Single Axle	Tongue	Axle System	Tongue	Axle System	Tongue	Axle System	Tongue	Axle System	Tongue
Air Conditioner	150	140	10	140	10	178	-28	178	-28	128	12	128	12
Auxiliary Main Step	11	8	3	4	7	8	3	8	3	6	5	6	5
B.A.L. Jacks	60	60	0	46	14	60	0	60	0	48	12	48	12
Battery Charger	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bunk Bed	45	46	-1	46	-1	58	-13	58	-13	48	-3	48	-3
Entertainment Group	17	8	9	3	11	6	11	6	11	6	11	6	11
Hanging Wardrobe	10	NA	NA	8	2	10	0	10	0	10	0	10	0
L-Front Lounge	80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
L.P.G. 5 gal. Steel Tanks and Liquid	40	6	34	6	34	5	35	5	35	5	35	5	35
L.P.G. 7 gal. Steel Tanks and Liquid	70	11	59	10	60	10	60	10	60	9	61	9	61
L.P.G. 7½ gal. Alum. Tanks & Liquid	54	8	46	7	47	7	47	7	47	7	47	7	47
L.P.G. 10 gal. Alum. Tanks & Liquid	80	12	68	11	69	11	69	11	69	10	70	10	70
Micro Wave Oven	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Refrigerator RM-77	Variable	NA	NA	62	22	40	4	40	4	60	24	60	24
Refrigerator RM-100	Variable	NA	NA	NA	NA	NA	NA	NA	NA	62	38	62	38
Safety Group	10	8	2	8	2	8	2	8	2	8	2	8	2
Space Locker – Long	20	23	-3	20	0	24	-4	24	-6	20	0	20	0
Space Locker – Short	16	NA	NA	16	4	16	0	10	0	12	4	12	4
Spare Tire Bracket	9	2	7	2	7	2	7	2	7	2	7	2	7
Spare Tire	60	14	46	14	46	14	46	14	46	14	46	14	46
T.V. Antenna	5	2	3	2	3	2	3	2	3	2	3	2	3
Vacuum Cleaner	15	24	-9	10	-5	26	-11	26	-11	20	-5	20	-5
Water Tank – Liquid Only	373	346	27	244	129	308	64	308	64	300	73	300	73
Water Heater – Liquid Only	50	74	-24	36	14	46	4	46	4	20	12	38	12
Waste Tank-Auxiliary Tank & Pan Only	60	51	-42	84	-24	84	-24	84	-24	82	-23	82	-23
Windows – Dual Pane	Variable	17	4	17	4	34	4	34	4	44	4	44	4
Windows – Vista View	Variable	10	6	4	2	8	2	8	2	12	10	12	10

Liquid weights indicate full container

NA – Not Available

# Tires

Your Airstream is equipped at the factory with name brand trailer tires. Airstream dealers cannot make adjustments to tires. This must be done by a dealer who handles that particular brand. If you ever have tire problems, check the local telephone directory for the nearest dealer.

To get the maximum performance from your tires check the air pressure often, but only when the tires are cool. Never bleed out air immediately after driving. Recommended tire pressures vary with models, tire type and size. For specific pressures refer to the table.

It is also important to periodically check on the tightness of the lug bolts. They should be tightened to a torque of 90-95-ft.-lbs. on both the steel and forged aluminum wheels. Care should be taken at all times when handling the forged aluminum wheel because of possible damage to its appearance.

In a warm climate, park out of the sun whenever possible. In desert regions use the tire covers to prevent ultra-violet deterioration to tires.

**To change a tire with a jack**, see the label affixed to the underbelly just to the rear of the wheels. This indicates the proper jack placement. On tandem axle models a flat tire may be changed without the aid of a jack. Drive the unit up a ramp 8" wide, 6" high and about 3 feet long at the base (see photo).



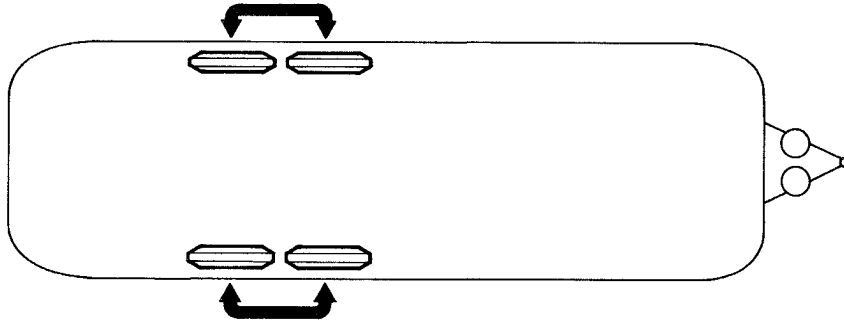
*Tire Changing*

All tire, wheel, hub and drum assemblies are dynamically balanced at the factory. **Be sure to rebalance the tire, wheel, hub and drum assemblies each time a tire is changed or rotated.**

In an emergency remove the flat tire and the independent suspension of the Dura-Torque Axle allows a four wheel unit to be safely towed on three wheels for a short distance (100 miles maximum) and only at a low speed (30 MPH). Be especially cautious in crossing holes or dips in the road. It is good practice to set your rear view mirrors so that you can observe your tires at all times.

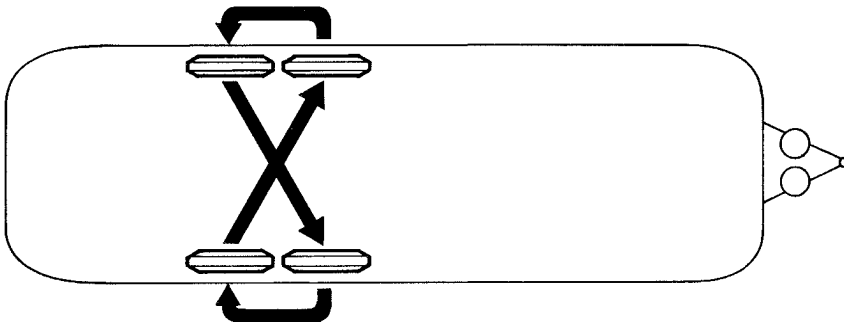
## Tire Rotation

---



*Radial*

---



*Bias Belted*

---

**Tire Inflation Pressure (PSI) Cold Inflation**

Model	7.00 x 15 6 Ply Tires	7.00 x 15 8 Ply Tires	7.00 x 15 XC Steel Radial Tires
21 & 23 Ft. Single Axle	N.R.	60 PSI	N.R.
23, 25, 27 Ft. Dual Axle	35 PSI	N.R.	50 PSI
29, 31 Ft. Dual Axle	40 PSI	N.R.	55 PSI

\*N.R. Not recommended by tire manufacturer

**Tire Load and Inflation Pressure Notes**

1. Tire inflation pressure may increase as much as 6 pounds per square inch (PSI) when hot.
2. For sustained high speed driving over 65 MPH, with truck type tires cold inflation pressures must be increased 10 PSI above those specified in the above table for the load being carried. The total increase in cold inflation pressures shall not exceed 10 PSI above those specified in the above table for the load being carried.
3. Cold tire inflation pressure: after vehicle has been inoperative for 3 hours or more, or driven less than 1 mile. Hot tire inflation pressure: after vehicle has been driven 10 miles or at speeds of more than 60 miles per hour.

# Hitching Up

Hitching up your Airstream trailer is something that will become almost second nature with practice. The following section includes proper hitch load distribution and a procedure for hitching up.

The electric jack is strongly recommended for anyone who, for any reason, should not physically exert himself. Available as a factory option or through the Wally Byam Stores, the electric jack makes hitching and unhitching a much easier operation.

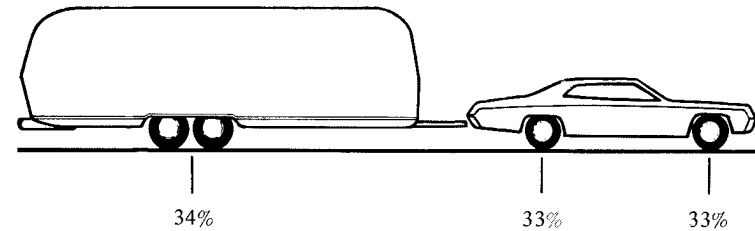
## Equalizing Hitch Load Distribution

When a trailer is hitched up properly to a tow vehicle, with a load equalizing hitch, 1/3 of the trailer weight will be on the trailer's axles and 2/3 will be transferred to the tow vehicle. 1/3 of this weight transfer will be carried by the front wheels and 1/3 by the rear wheels of the tow vehicle (see diagram). Thus, the tire loading of each wheel on the tow vehicle will be increased by 1/6 of the trailer weight. The tire air pressure of the tow vehicle should be increased to compensate for this additional weight. Refer to the vehicle's owners manual for this information.

The tongue load should be approximately 10% to 15% of G.V.W.R. and under no condition exceed the hitch rating. Your hitch rating information should be provided to you by your hitch installer.

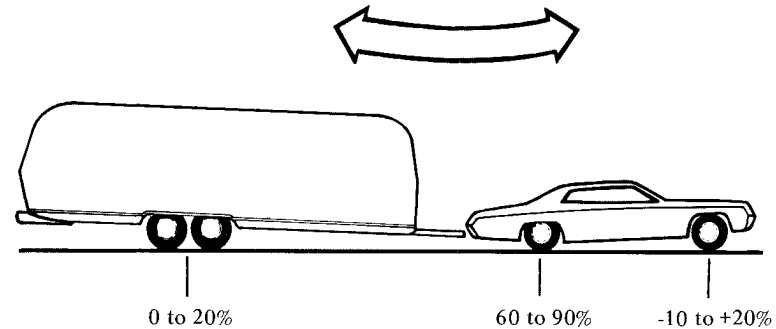
## Equalizing Hitch Load Distribution

### Proper Installation

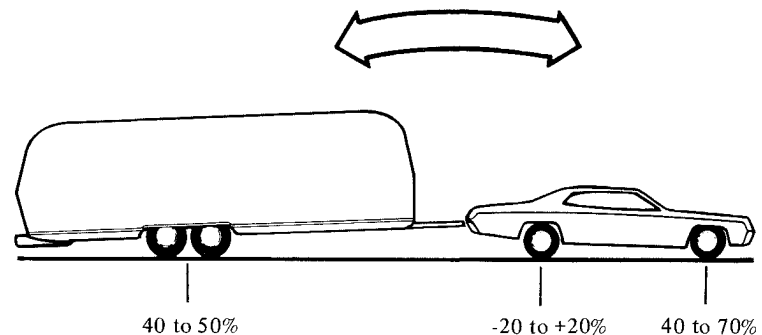


Percentage of Tongue Load distributed to car and/or trailer wheels

### Hitch Low



### Hitch High



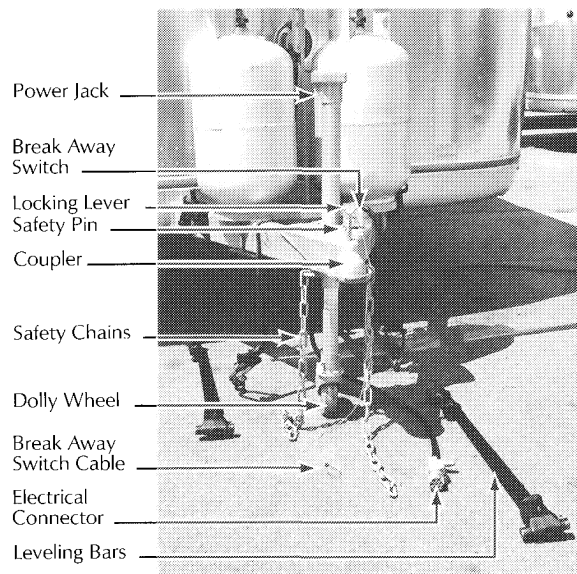
## Steps for Hitching Up

1. Jack up the trailer hitch until there is clearance for the **hitch ball** to slide under, remove safety pin and raise the **locking lever**.  
2. Back the car straight back to the hitch. This can best be accomplished through the use of pre-arranged hand signals with the help of another person, but if you are hitching up by yourself we recommend the use of a **hook-up view mirror**.

3. Lower the trailer hitch onto the hitch ball; then close the locking lever and insert safety pin.

4. Now raise the trailer and car to the full height of the hitch jack and then attach the **leveling bars**. Lower the car and trailer. The hitch ball should be level to slightly higher (see photo). Readjust leveling bars until this condition is correct. This will result in the best balance for towing and steering control as the **weight equalizing hitch** distributes the hitch load. Approximately 1/3 of the load is distributed onto the front wheels of the tow vehicle, 1/3 onto the rear wheels of the tow vehicle and 1/3 onto the trailer axle assembly. With proper hitch installation and hitching up the bar should have a noticeable amount of deflection or bending (see photo 4.f.). A little practice with your rig will teach you how far to pull up the bar, and you may wish to mark the chain links that match your rig. Always choose level ground for checking correct hook-up. For further information see hitch manufacturers' literature.

Note: If your car is equipped with adjustable load leveling air shocks, you must load the car first with typical luggage and passengers and bring it back to level. Then attach the trailer

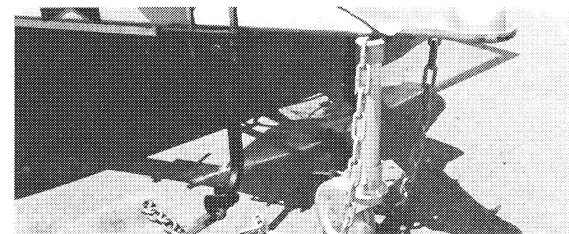


*Hitching Up Equipment*

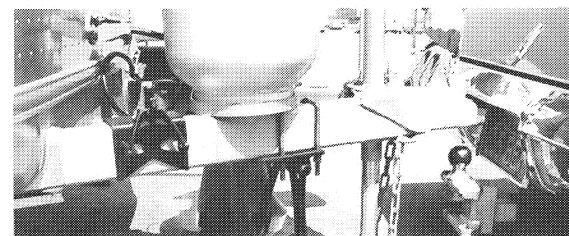
and adjust the load leveling bars. Otherwise the air shocks on your car will overload the rear wheels.

The hitch ball on your car should be installed at a height of 19-1/2" to the top of the hitch ball, measured when the car is loaded.

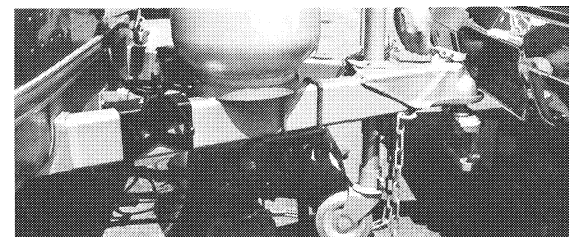
A low hitch ball increases tailwagging tendencies by lowering the nose of the trailer thus changing the center of support for the trailer and reducing the weight on the front wheels of the car.



*Hitching Up Step 1.*



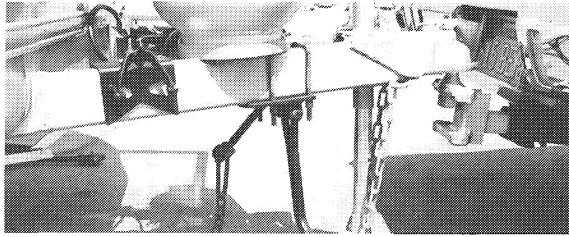
*Step 2.*



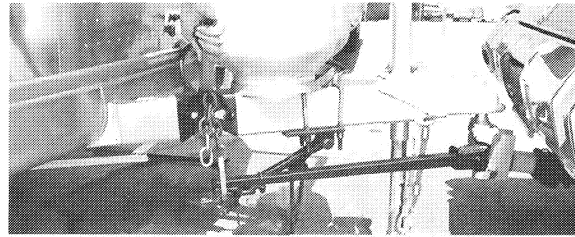
*Step 3.*

5. Plug in the **electrical connector** cord and check running, directional, and brake lights. The electrical connector cord should be completely removed and stored when not in use.  
6. Attach the **break-away switch cable** and the **safety chains** to the welded portion of the hitch or the car's frame, but never to the removable ball mount. Cross the safety chains under the hitch.

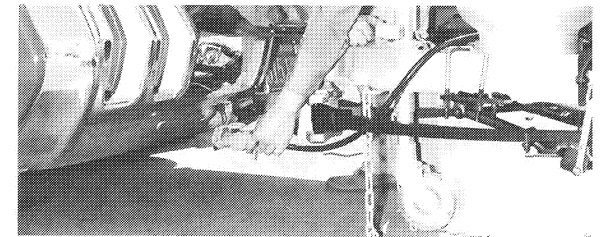
7. Retract the hitch jack completely for maximum ground clearance. Remove the **dolly wheel** and **jack pad**, and stow them in the car's trunk, along with leveling jack and



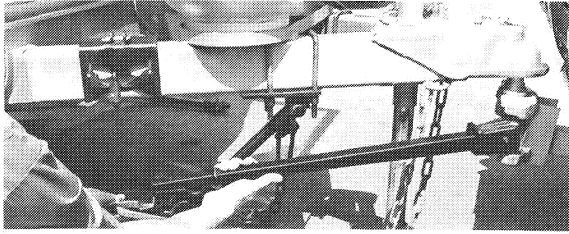
Step 4.a.



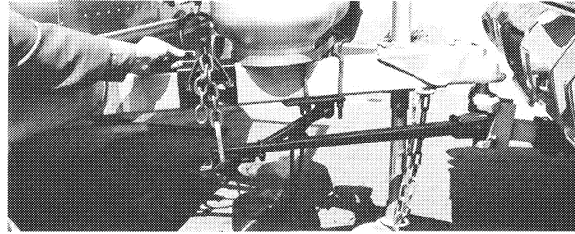
4.d.



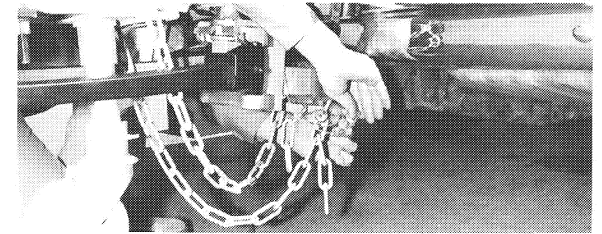
Step 5.



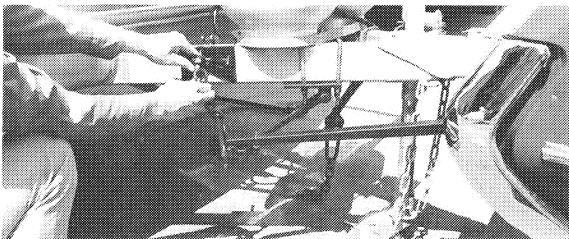
4.b.



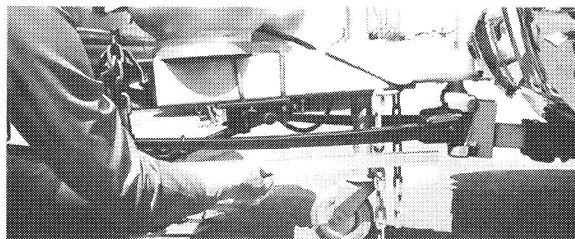
4.e.



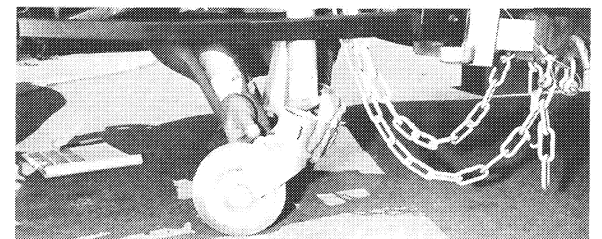
Step 6.



4.c.



4.f.



Step 7.

other gear used when stopped. Never tow your trailer with the jack down or the dolly wheel on. Check that the fold-away step is up and that the main door is completely closed and locked for towing. If it is not locked the constant vibration of travel may cause it to open with possible damage.

8. Move the rig ahead about 50 feet and test the trailer brakes, then check the ground for forgotten objects. Regularly check the condition of your tires, air pressure, and the tightness of the lug bolts. For specific tire pressures refer to page 32.

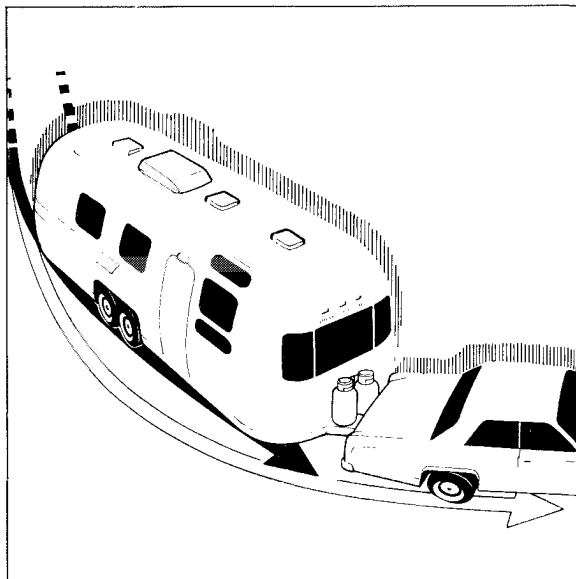
# Towing Tips

We want every Airstream owner to be a safe and courteous driver.

A few hours of towing practice in a large empty supermarket parking lot will make pulling your Airstream over the road much easier. Line out two corners for both left and right turns. You may also use these corners to practice backing and parking. **Observe that the tracks made by the trailer wheels are distinctly different from those made by your car.** Studying this will make it easier for you to correct mistakes. Truck or trailer type fender or door grip rear view mirrors are a must for maximum visibility and in most states they are required by law.

After thoroughly inspecting your hitch, brakes and tires you should be ready to tow. Check traffic, signal that you are about to pull away, and start slowly. Look often in your mirrors, and observe the action of the trailer, then carefully move into the proper lane of traffic. Remember that the trailer wheels will not follow the path of the car's wheels, therefore, **wider turns are necessary when turning to the left or to the right.**

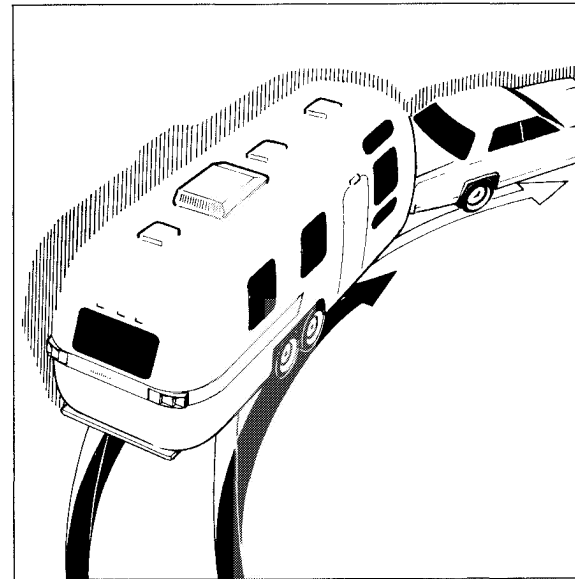
**On freeways or expressways** try to pick the lane you want, and stay in it. Always maintain plenty of space between you and the car ahead, at least the length of the car plus trailer, for every ten miles per hour. Remember that in order to pass another vehicle, you will need longer to accelerate. You must also allow for the length of the trailer when



*Tracking*

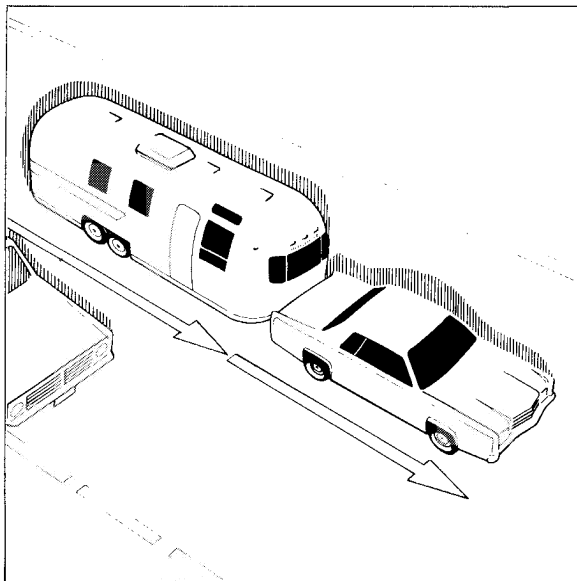
returning to the right hand lane. On a two lane road, if cars are lining up behind you because you travel at a lower speed, it is both courteous and sensible to signal, stay as far to the right as possible and let them pass. Your Airstream is designed to be towed easily at any legal speed, so if you are not careful you may be inclined to forget it is there. Your car brakes will automatically apply the trailer brakes first if properly adjusted. This will make you stop as if you were driving the car alone and keep your car and trailer in a straight line.

When trailering, you might encounter a temporary cooling system overload during severe conditions — such as hot days when pulling on a long grade, when slowing down after higher-speed driving, or driving long idle periods in traffic jams. If the hot indicator



light comes on and you have your air conditioning turned on, turn it off. If the light doesn't go off in about a minute, pull over in a safe place and put on your emergency brake. Don't turn off the engine. Increase the engine idle speed. Lift the engine hood and check for fluid leaks at the radiator hoses, radiator or radiator overflow outlet. Check to see that all drive belts are intact and the fan is turning. Light should go off within one minute. When the light is out, proceed on the highway a little slower. Ten minutes later resume normal driving. Caution: Never open a radiator cap when the car is hot! Check the car coolant level when the car is cool.

**When going downhill in dry weather,** down shift so that engine compression will slow the whole rig down. Take dips and depressions in the road slowly and do not resume normal

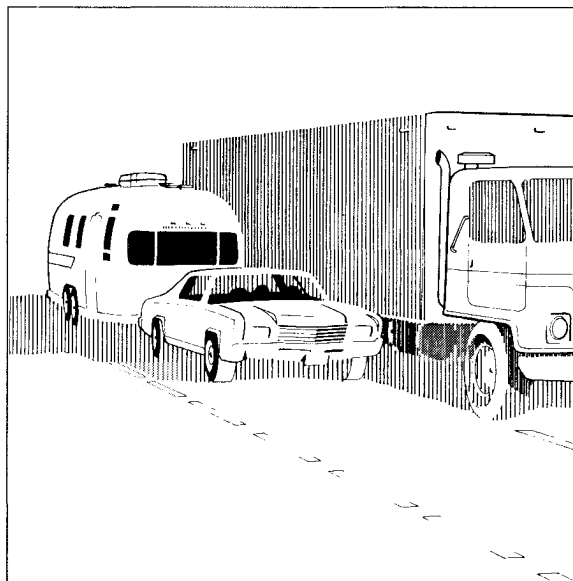


*Passing*

driving speeds until you are sure that the trailer wheels are clear of the dip.

**On slippery pavement** do not use engine drag to help slow down as this may cause the rear wheels of the car to skid. On icy pavement drive slowly and if you feel the car is skidding, gently apply the trailer brakes only. This will bring the car and trailer back into a straight line. Chains do not help trailer wheels.

**When driving in mud and sand** let the momentum carry the rig through. Apply power gently and use as little as possible. Stay in the tracks of the vehicle ahead and keep the car in the highest possible gear. If you do get stuck it is best to tow out both car and trailer together without unhitching.



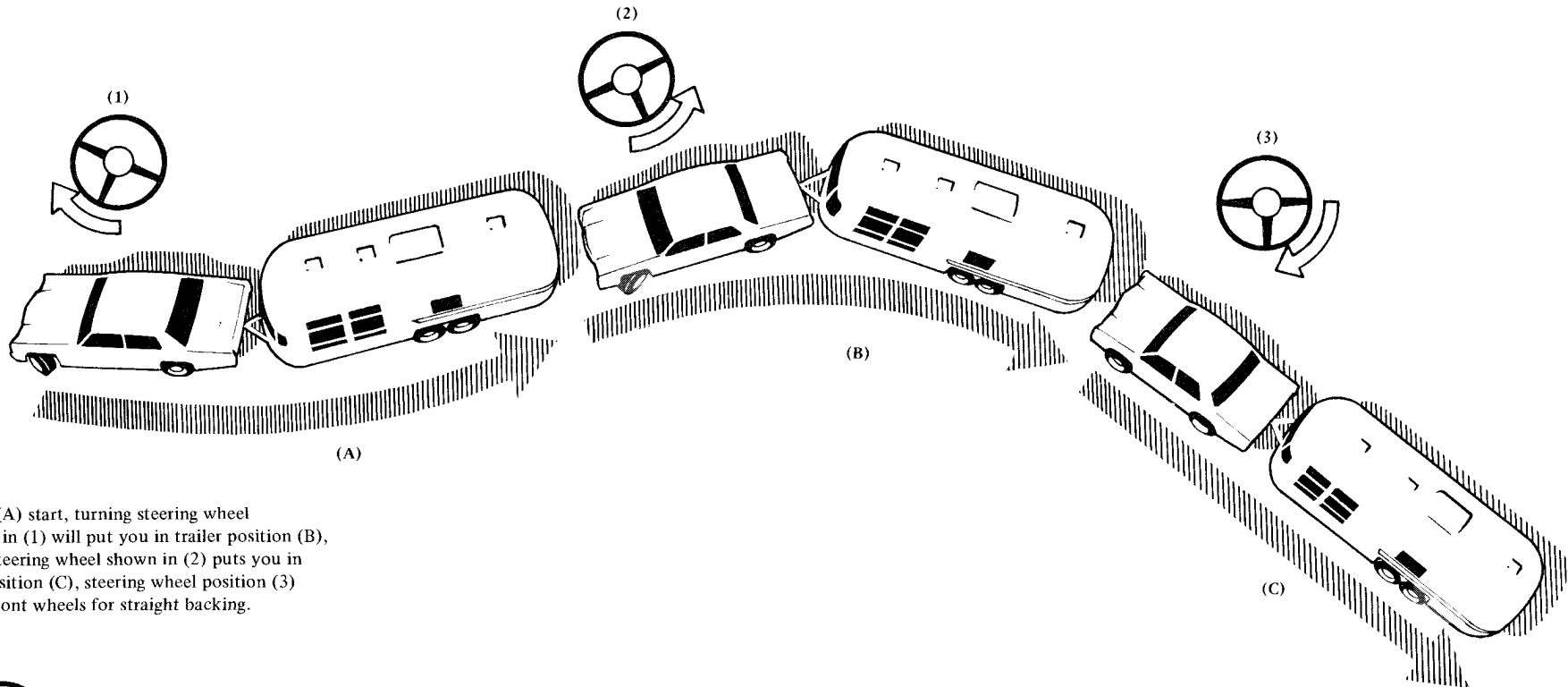
If you have to tow long distances over bad roads, the stones and gravel thrown back by your tires will dent and scratch the aluminum finish of your Airstream. To prevent this, use masking tape to secure heavy sheets of cardboard to the lower front end of the trailer.

Despite the best hitch, you will notice that whenever a large bus or truck overtakes your rig the displaced air first pushes the trailer rear to the right and then affects the front. **Do not apply the brakes.** Steer very slightly, momentarily, toward the bus or truck. This will compensate for the sway induced by the passing vehicle. If your trailer is equipped with the optional Sway Control, the brakes will automatically be applied in controlled increments to help compensate for this.

When stopping on a hill or slope, leaving your

car in gear is not enough for stand-still-safety. **Chock the trailer wheels** to be double sure. Never use the break-away switch as a parking brake because it will burn out the magnets and drain the trailer battery.

## Backing Up



Position (A) start, turning steering wheel as shown in (1) will put you in trailer position (B), turning steering wheel shown in (2) puts you in trailer position (C), steering wheel position (3) returns front wheels for straight backing.



Indicates steering direction

In **backing up**, the important thing to remember is to **do everything slowly** and to correct immediately if you see the trailer turning the wrong way. Concentrate on the rear of the trailer. With your car and trailer in a straight line, back up slowly and turn the bottom of the steering wheel in the direction you want the trailer to go. Watch out the window or in the mirror until the rear of the trailer is pointing in the desired direction. Then turn the steering wheel in the opposite direction.

Your car will be following the trailer in an arc. Straighten the car and trailer by turning the steering wheel more sharply, then when they are in line, straighten the steering wheel. **Always try to back to your left because the visibility is much better.** (See illustration.) When you don't make it on the first try it is usually much easier to pull forward to your original position and start over.

# Overnight Stop

Airstream owners have parked virtually every place imaginable from filling stations to farm lands. In time you will develop a knack for spotting wonderful little roadside locations by turning off the main highway and exploring.

There are many modern trailer parks including State, County and Federal parks with good facilities, where you may obtain hook-ups of electrical, water and sewer connections. Directories are published which describe in detail these parks and tell what is available in the way of services and hookups.

**On overnight or weekend trips**, chances are you will not use up the capacity of the sewage holding tank, deplete the water supply or run down the battery which supplies the 12 volt current.

**On a longer trip**, when you have stayed where sewer connections and utility hook-ups were not available, it will be necessary for you to stop from time to time to dispose of the waste in the holding tank and replenish the water supply. Many gas stations (chain and individually owned) have installed **sanitary dumping stations** for just this purpose. Booklets are available which list these dumping stations.

When stopping for the night your Airstream is built to be safely parked in any spot that is relatively level and where the ground is firm. **Your facilities are with you, you are self-contained.** Unless the car is needed for trans-



portation, it is not necessary to unhitch. Try to pick as level a parking spot as possible. **Stabilizing jacks or blocks** probably won't be required for an overnight stay; however if you put the jack pad on the hitch jack and run the hitch jack down to take the weight off the car's springs this will provide some stability. If you must park on a slope, **park facing downhill**; it is easier to level 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. See pages 60-62 for complete details on LPG system and gas operated appliances.
2. Turn on range gas supply and light the pilot.

Before moving on, check your campsite, both



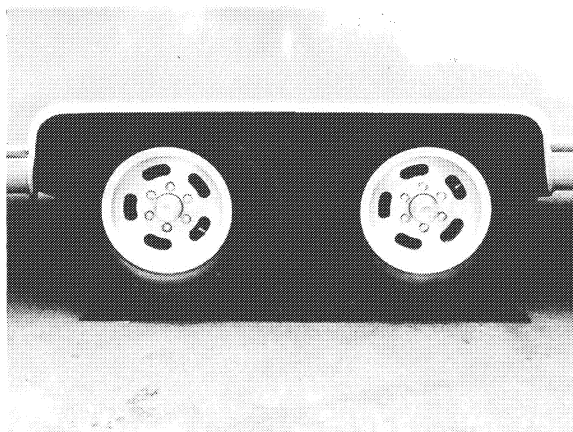
for cleanliness and also to be sure you haven't left anything behind, turn off the gas supply petcock to the range and make sure everything is properly stowed. Use your Pre-Travel Check List on page 88 and you are ready for more travel adventure.

# Extended Stay

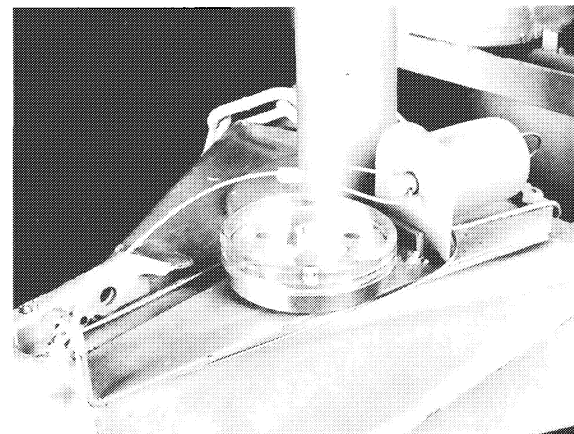
Making a long trip in your Airstream is not very different from making a weekend excursion. Since everything you need is right at hand you are at home wherever you go. When packing for an extended trip take everything you need, but only what you need.

When you plan to stay in the same place for several days, weeks, or months, you will want your trailer to be as level and steady as possible. Check the attitude of your Airstream with a small spirit level set on the inside work counter or the trailer hitch "A-Frame." If a correction is necessary then you must level from side to side first. This can be done most easily up a small ramp consisting of 2" x 6" boards about four feet long and tapered at both ends. (See photo) We do not recommend placing tires in a hole for leveling.

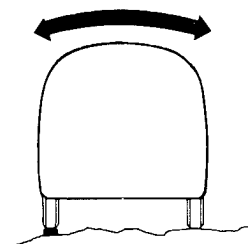
Level from front to rear by disconnecting the hitch from the car, putting the jack pad under the hitch jack and adjusting the jack up or down until you are level. Block or chock the wheels to keep the trailer from rolling. Use stabilizing jacks at all four corners, as shown, to eliminate the natural spring action of the axles. If you have B.A.L. stabilizing jacks (optional) use the wrench, located in the hose carrier, to lower the two units on the low side. Bring trailer to a level position side to side. Lower opposite stabilizing units to a firm position.



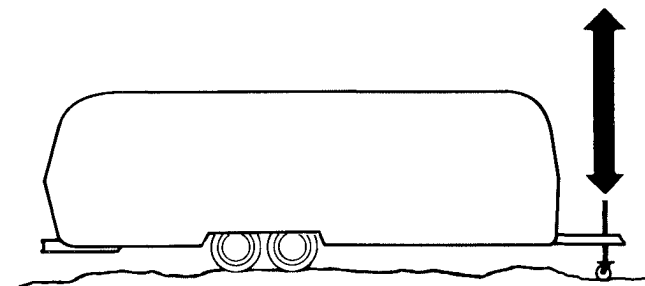
*Trailer Leveling*



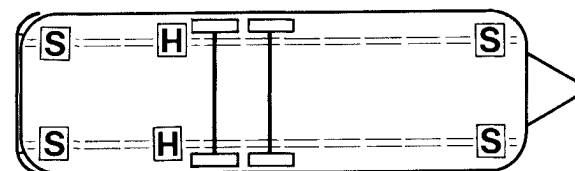
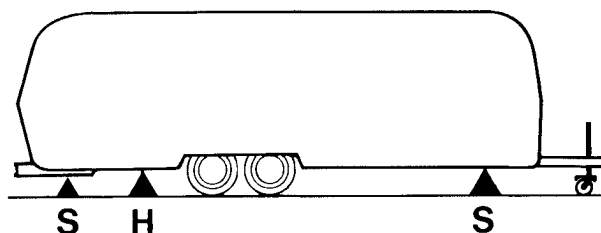
*Spirit Level*



*1. Level from Side to Side*

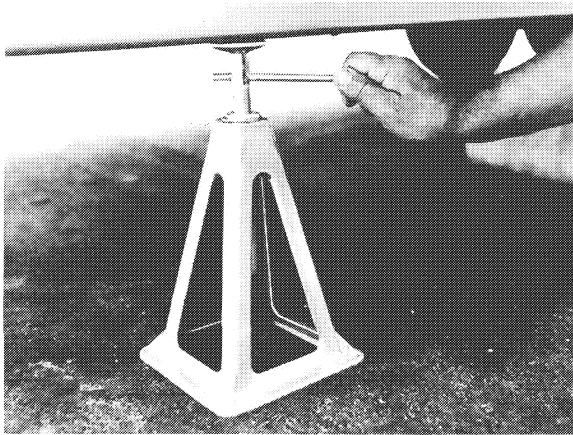


*2. Level from Front to Rear*

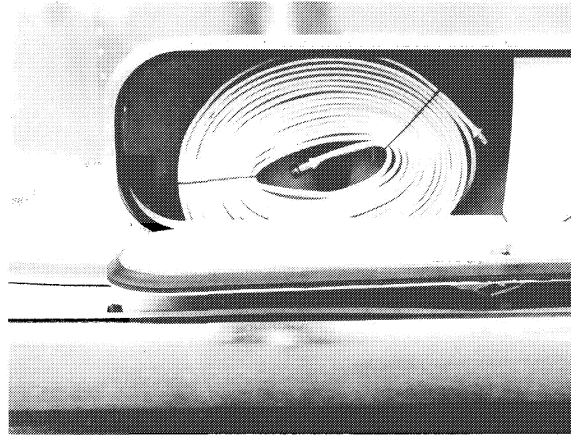


H - Hydraulic Jack Positions

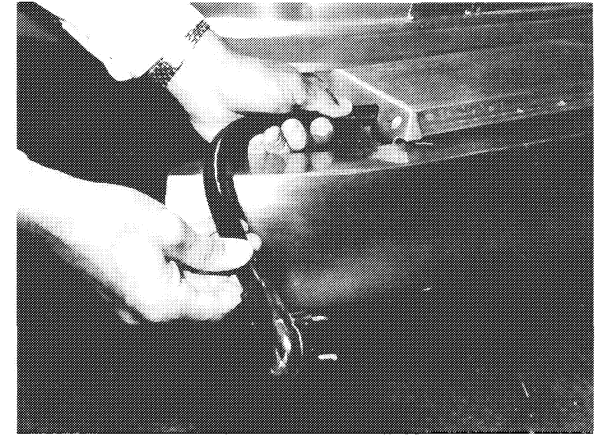
S - B.A.L. Stabilizers



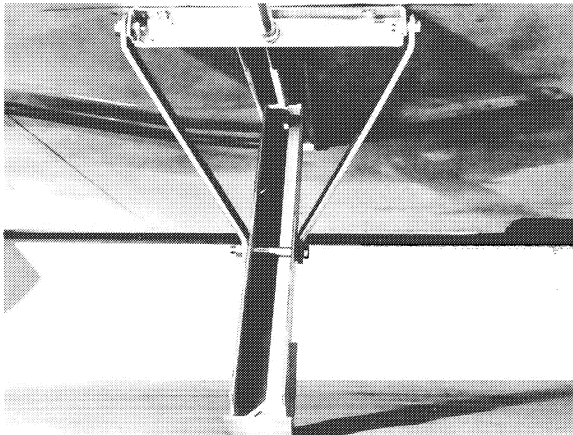
*Stabilizing Jack*



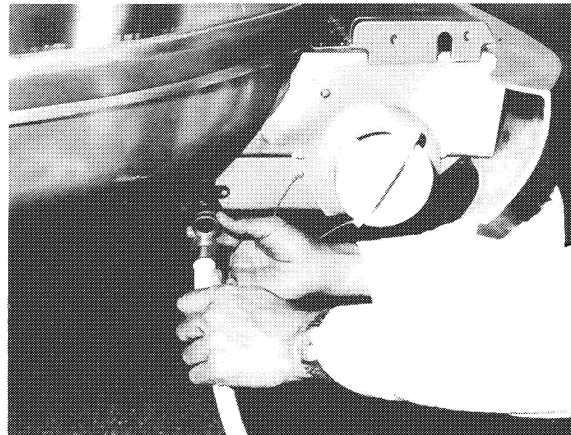
*Water Hose Storage*



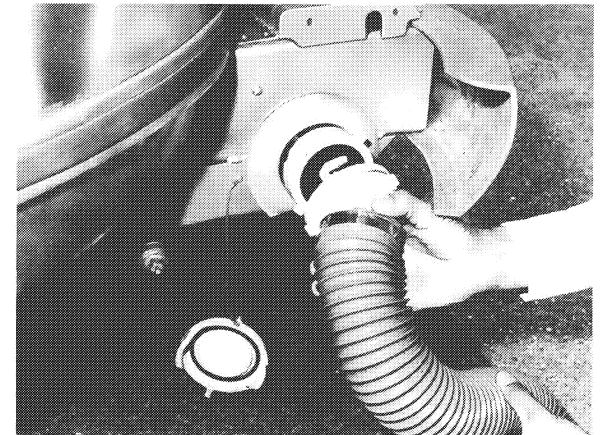
*120 Volt Electrical Cable*



*B.A.L. Stabilizing Jack*



*City Water Hook-Up*



*Waste Drain Hose Hook-Up*

**Note:** Whenever the trailer must be lifted with a jack as when changing a tire or leveling on very rough terrain, **always place the jack under the main frame rail.** A label is provided to indicate the proper position for the jack. Never use stabilizing jacks to lift the trailer.

**Hook up to water** by attaching a 1/2" minimum high pressure water hose to the city water service.

Plug the **electrical cable**, which is stored in the bumper storage compartment into the **city power service.** Be sure you have the wire grounded and have the proper polarity. See page 68 for technical details.

Hook your **waste drain hose** into the **sewer disposal facility** and attach to the drain outlet in your trailer. For details on this procedure refer to page 71.

Turn on gas supply; light the range and oven pilots, light the water heater, refrigerator and furnace pilots. See pages 60-68 for complete details on L.P.G. system and gas operated appliances.

# Winter Airstreaming

Traveling in an Airstream during the cold winter months can be one of the most exhilarating experiences in all trailering. When we speak of cold, we are talking about temperatures of zero to -10 degrees. Airstreams properly outfitted with dual-pane windows have been cold-soaked at -20 degrees with no adverse effects and with no real discomfort. Dual-pane side windows which are offered as an option, do not require storm windows. Dual-pane side windows, galley, bathroom and optional window shades improve the efficiency of the heating system.

Additionally, a battery charger (12 volt generator) that operates off the trailer's gas system, is available as an option. We recommend this option when you are planning extensive winter usage.

There are of course certain precautions which must be taken as you would in your own home in low temperatures.

1. There should be heat in the trailer at all times.
2. You must have a plentiful supply of propane gas.
3. If your stay is longer than overnight (and you do not have the battery charger option), then you should endeavor to have 110 V electricity available. The battery (fully charged) will not last more than about 10 hours in zero weather. Of course

you can always run your car to recharge the battery and normally the battery will attain sufficient power to run another 3-4 hours by running your engine for approximately 45 minutes to one hour at fast idle. For more detailed information on the battery see page 76.

4. Minimize use of electricity if 110 volt power source is not available.
5. Your Airstream has forced air heating in the holding tank and trunk area. There is also heating around the water tank.
6. In extreme cold conditions and when 120 volt electricity is available, porcelain lamp receptacles, with 75 watt bulbs, and adequate wire guards, over bulbs, may be used. These should be permanently attached to the floor adjacent to the inside wall in the area between the inside wall of the trailer and the storage compartment below the front travel lounge. When lamps are in use this area should be emptied of all other items. This will give a more comfortable feeling to the living room area and will minimize condensation.
7. Leave cabinet doors, bed doors and wardrobe doors slightly open at night to allow circulation of air in and around all furniture components.
8. For extended stays in cold weather, insulate the water line outside the trailer.

You should remember that low temperatures in combination with high winds cause an equivalent chill temperature much below what your thermometer is reading. For instance, with an outside temperature of zero degrees and the wind velocity of 10 miles per hour, the equivalent chill temperature is



minus 20 degrees F.

There is no substitute for common sense in cold weather.

# Storage and Winterizing

When storing your trailer for short or long periods use the same precautions as you would in your own home in regard to perishables, ventilation and rain protection. In addition, for prolonged storage periods, flush out all the drain lines and the holding tanks. Also, drain the entire water system including the water heater and the water storage tank. Instructions for draining the water system are explained in the following paragraphs on winterizing.

Twice a year or after a long storage period, we suggest you take your unit in for a check-up and cleaning of the gas operated appliances.

The main consideration in winterizing is to guard against freezing damage to the hot and cold water systems, the waste drain system (including the traps), the waste-holding tanks, the water heater and the battery. To completely winterize your Airstream, follow this procedure:

1. Level the trailer from side to side and front to rear. Open all the faucets.
2. Turn the water pump switch to the OFF position.
3. Open all drain valves. On rear bath models, two are located in the rear trunk (roadside), and three are under the galley sink. On center bath models, one is located under the bed on the roadside and three are under the galley sink. On all

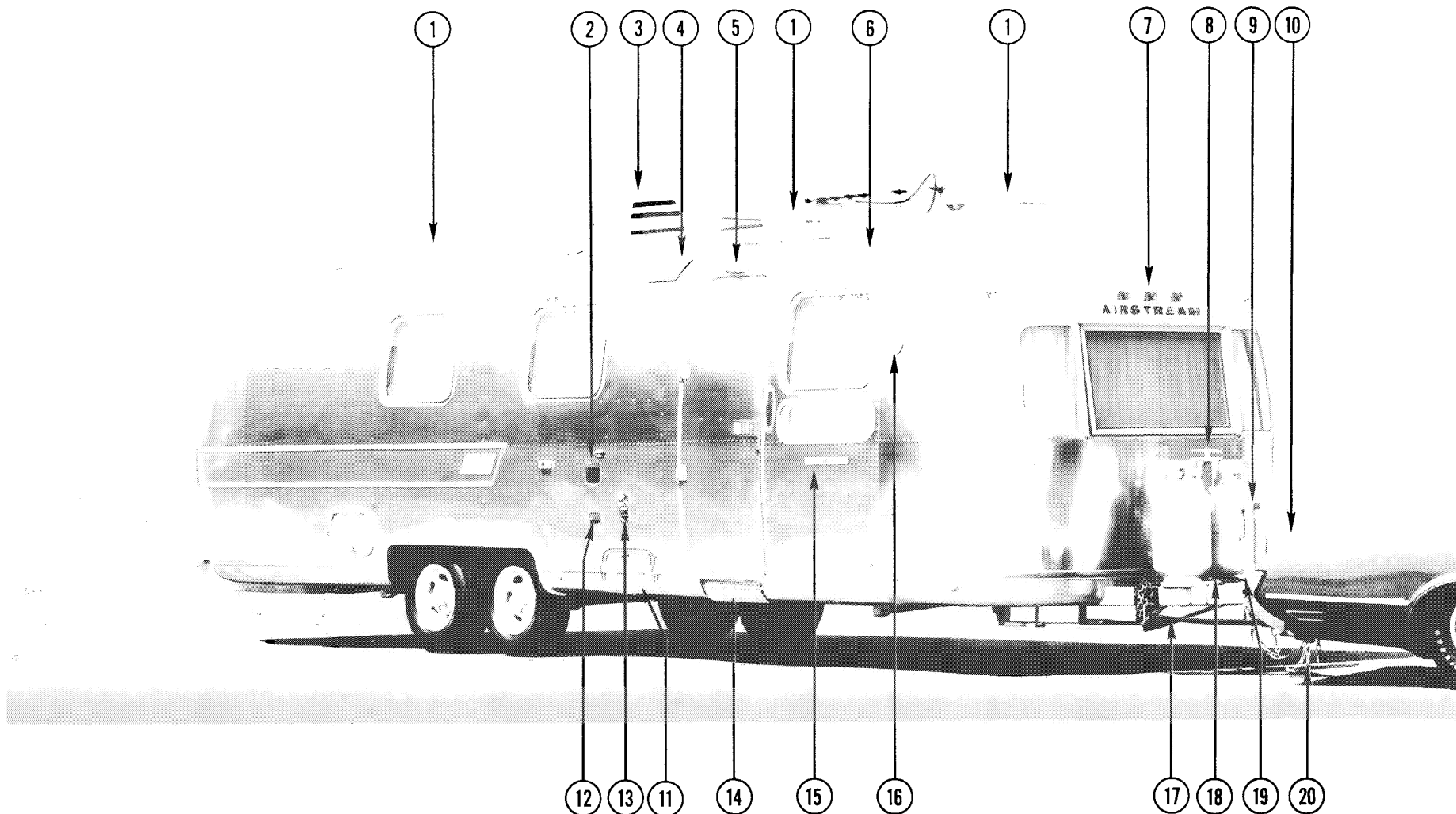
models one is located on the water heater accessible through the exterior access panel.

4. While the water is draining from the system, open and flush the toilet flushing valve. Depress hand spray thumb button and hold the spray head below rim of the toilet and drain the hand spray line. **There is danger of damage from freezing if water remains in these lines and valves.** Drain all water from telephone showerhead flexible hose. Remove and store hand spray head and showerhead.
5. Remove water pump check valve, located between pump outlet flexible hose and copper tubing.
6. **Lower the front of the trailer as far as the jack will allow until water ceases to drain, then crank the jack up as high as it will go and let any remaining water drain out the rear drain valves.**
7. Disconnect the water pump inlet connection, and with check valve removed, turn the pump by hand until all the water is expelled.
8. After the water has stopped running from the drain lines, apply 60 lbs. of air pressure at the city water inlet, but be sure all drain valves and faucets are open. This can be done at a service station and will force any remaining water from the water heater and remove any water which may be trapped in low areas.
9. Pour a cup of antifreeze (Glycol) into the lavatory, sink, and tub drains to prevent freezing of water in traps.
10. Be sure to open the waste-holding tank drain valves and drain and flush the tanks thoroughly. (This is very important as the

sewage in the tanks, if frozen, could seriously damage the tanks.)

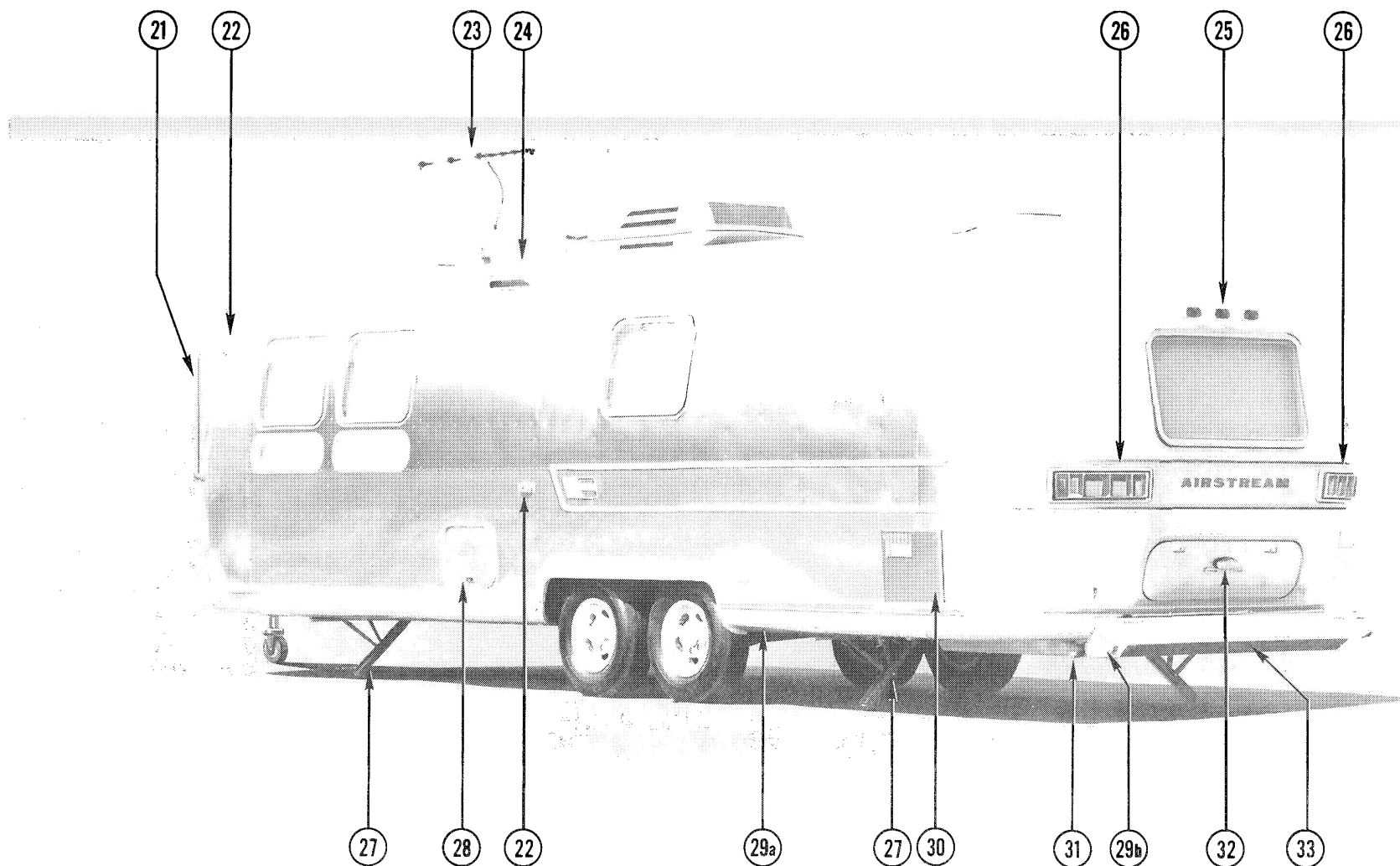
11. Remove the lower portion of the water purifier, if your trailer is so equipped, and drain the purifier.
12. It is very important for optimum life of your battery to check it periodically and to keep it fully charged. This is especially true in winter months when the temperature may drop below freezing. Please refer to the battery section for more information on battery maintenance.
13. **Remove any items (food cosmetics, etc.) from trailer interior that might be damaged by freezing — or might damage the trailer if containers break.**

For additional winterizing protection add non-toxic anti-freeze (available at all Wally Byam stores), approved for drinking water systems, to your water lines. This may be accomplished by reconnecting check valves (see step No. 7) and then disconnecting the flexible line from the water tank and inserting it into the anti-freeze that has been diluted in accordance with the manufacturer's instructions. Run water pump until anti-freeze solution fills all water lines and water heater.



## Exterior Identification

No.	Description	Page No.	No.	Description	Page No.
1.	Roof vent	58	10.	Coupler	34
2.	120 volt outlet	74	11.	Battery compartment	76
3.	Air conditioner (optional)	57	12.	Water inlet (tank)	69
4.	Range exhaust vent	64	13.	Furnace vent	66
5.	Main door light	86	14.	Main door step	46
6.	Vista View window (optional)	47	15.	Serial number plate	—
7.	Cluster lights	86	16.	Exterior light	86
8.	L.P.G. tanks and regulator	60	17.	Load equalizing bars	34
9.	Electric jack	34	18.	Electrical connector (towing)	83



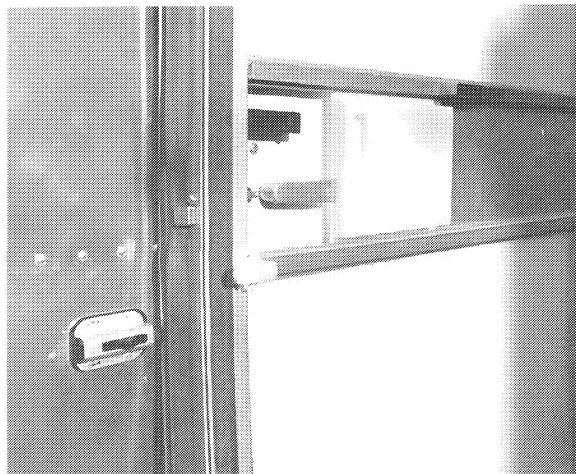
No.	Description	Page No.	No.	Description	Page No.
19.	Break away switch and cable . . . . .	18	28.	Refrigerator access door . . . . .	61
20.	Safety chains . . . . .	34	29a.	Waste outlet (Int'l ctr. bath) . . . . .	71
21.	Radio antenna (optional) . . . . .	47	29b.	Waste outlet (Int'l rear bath/LY) . . .	71
22.	Clearance light . . . . .	86	30.	Water heater access panel . . . . .	68
23.	T.V. antenna (optional) . . . . .	47	31.	Water inlet (city) . . . . .	69
24.	Refrigerator vent . . . . .	62	32.	License plate light . . . . .	86
25.	Cluster lights . . . . .	86	33.	Electrical inlet (city) . . . . .	74
26.	Stop, tail, turn and backup lights . . .	86			
27.	B.A.L. stabilizing jacks (opt.) . . . . .	40			

# Exterior

The Airstream exterior has been covered by an acrylic lacquer finish providing years of environmental protection. Washing the exterior of your Airstream is similar to washing an automobile. Both have high quality finishes and certain precautions must be taken to protect them. Oil, grease, dust, and dirt may be removed by washing with any mild nonabrasive soap or detergent. Automatic dishwasher detergents and acid etch cleaners are too strong and should never be used. Always clean your Airstream in the shade or on a cloudy day when the aluminum skin is cool. Cleaning should be followed by a thorough clean water rinse. Spots and streaks may be prevented by drying the unit with a chamois or a soft cloth.

After cleaning and drying, a good grade of nonabrasive automotive paste or liquid wax will increase the life of the finish, especially in coastal areas where the finish is exposed to salt air or in polluted industrial areas. It will also protect the shell from minor scratches and make subsequent cleaning easier. Wax should normally be applied every three to six months.

It is important to remove sap, seeds, gum, resin, asphalt, etc., as soon as possible after they appear by washing and rewaxing. Sunlight and time will bake-harden these materials making them almost impossible to remove without heavy buffing. If asphalt remains on the trailer after washing, use a small amount of kerosene on a rag and wipe

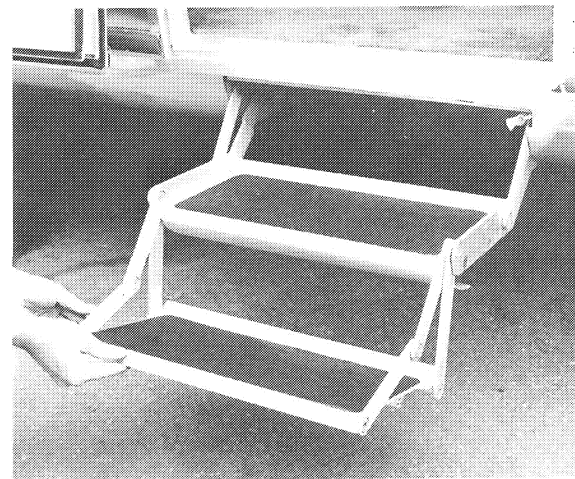


*Main & Screen Door Catches*

the spots individually, being careful not to scratch the aluminum.

For small areas of damage to the acrylic protective coating, or where oxidation is beginning to occur, remove all traces of the acrylic coating with a good grade of lacquer solvent and then thoroughly clean the aluminum with an aluminum cleaner. Then respray the area with clear acrylic lacquer. All items needed for these minor repairs to the exterior shell are available at Wally Byam Stores. For extensive refinishing we recommend that you contact an Airstream Service Center or the factory for instructions or to arrange for factory service. To keep your trailer looking new, paint the "A Frame," L.P.G. tanks, and rear frame periodically, by brushing on aluminum lacquer or, if possible, by spraying.

Each time you connect the 7-way electrical connector check for dirt and corrosion. Keep the contacts clean with "Spra-Kleen".



*Fold Away Step*

It is important that the main door be completely closed and locked during towing. If it is not locked the constant vibration of travel may cause it to open with possible damage.

For your security the lock has been designed as a dead bolt. For this reason never try to shut the door when it is locked. The door is properly closed when the handle is firm. If the door is difficult to open, push in to release the latch. When the door swings open it will automatically latch against the side of the trailer.

The screen door latches to the main door or operates independently using the same type latch that holds the main door open.

To operate the Fold-Away Step just press down the latch on the right hand side and the step will automatically drop into position. To stow the step simply lift the front edge and then push it up under the trailer to its stowed position.



*Window Operation*

The **extension step** (optional) is permanently attached to the main step and when needed it is simply flipped out. **Never travel with step lowered.**

The **exterior windows** in your trailer are of heat strengthened safety plate glass. To open: release the two lever locks at the bottom, pull the two side operator handles toward the center and pull down until the window is in the desired position, and place the operators into one of the five positioning holes. To close: pull the two side operator handles toward the center and slowly lift.

The **optional high strength safety glass front center window** is stronger than car windshields.

These windows are cleaned in the same manner that ordinary windows are. Clean the seals with a damp cloth or mild detergent every three to six months taking care not to use strong solvents as they will damage the

seals. A coat of natural silicone lubricant applied after the seal has dried will keep it flexible. Spread the lubricant evenly with a brush or finger, working it into the surface. This is a good practice for all rubber seals in your Airstream. For replacement of a damaged window contact an Airstream Service Center or the factory.

The **optional double paned front, rear and side windows** include metalized mylar tint. They eliminate the need for storm windows and improve the efficiency of the air conditioning system.

Screens are made of plastic for hard wear and easy maintenance. Clean with a damp cloth. Note: They will melt at the point of contact if touched by a cigarette.

**Vista view windows** are double paned, allow for interior lighting while maintaining privacy and are equipped with integral shades.

**Factory recommended awnings** give shade during trips and rallies. They are easy to operate and can be installed by your dealer.

The aluminum construction of your trailer creates a radio-shield and you will need outside antennas for perfect reception. This can be accomplished by a whip radio antenna or T.V. antenna with an auto coupler.

An **auto coupler** (optional) enables you to utilize your T.V. antenna for AM-FM radio reception.

A telescoping whip **radio antenna** (optional) is

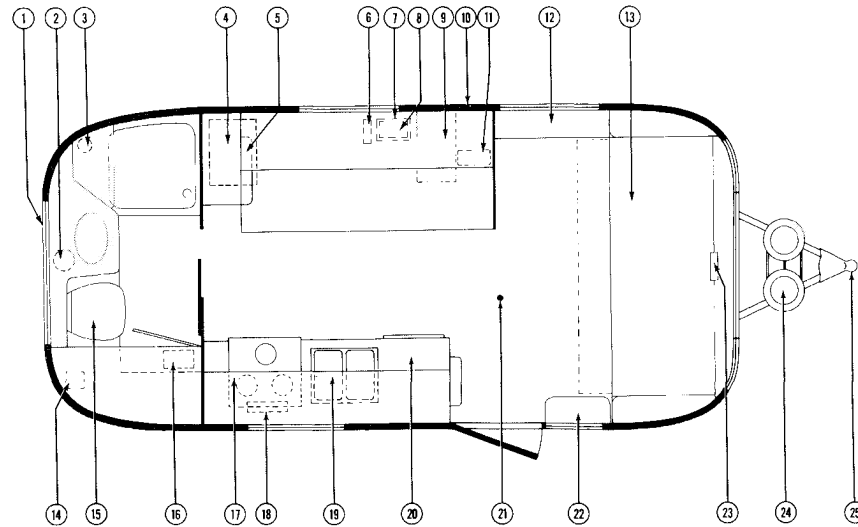
available for the optional 12 volt AM-FM radio and should be professionally installed next to the front window roadside of your trailer on a swivel mount.

**T.V. antenna** (optional): The controls are in the ceiling directly below the antenna. To raise the antenna, turn hand crank clockwise until it stops. Then turn on TV set and select channel. While watching picture, push handle up toward ceiling and rotate antenna. If you hit a stop in rotation before the picture is clear, reverse rotation. You may have to readjust when changing channels. To close, reverse the direction of cranking. Check outside that the antenna is folded and pointed straight forward.

**Motorized TV antenna:** The controls are located on the curbside wall just above the arm rest. To raise the antenna, depress the up button and hold it in place until the red light goes off. The antenna is now ready for rotating to the desired position. Press the top of the rotating button and rotate the antenna until you get the best possible TV picture. If you go too far, press the lower portion of the rotating button and the antenna will move in the opposite direction. To stow the antenna, press the bottom of the rotating button and allow the antenna to rotate until the red light goes off. The antenna is now ready for lowering so press the "lower" button and hold it until the red light goes off again. You are now ready for travel.

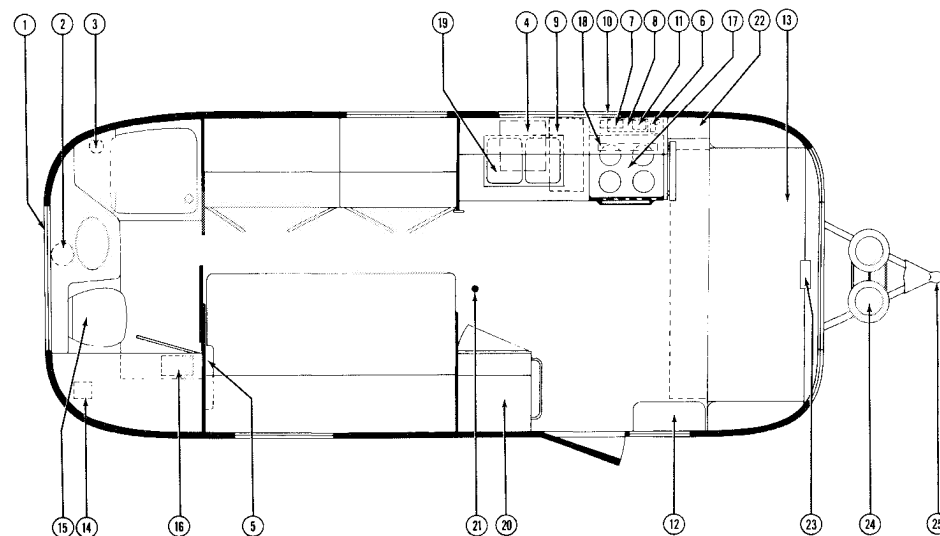
# Floor Plans

No.	Description	Page No.
1.	Electrical inlet-city	74
2.	Waste outlet	71
3.	Water inlet-city	69
4.	Water heater	68
5.	Bed light	58
6.	12 volt distribution panel	84
7.	Univolt	74
8.	Battery	76
9.	Furnace	66
10.	Water inlet-tank	69
11.	Water pump	69
12.	Table	54
13.	Front lounge	53
14.	120 volt circuit breaker panel	75
15.	Toilet	73
16.	Vacuum cleaner (optional)	58
17.	Range and oven	64
18.	Central control panel (optional)	54
19.	Sink	57
20.	Refrigerator	61
21.	Air conditioner (optional)	57
22.	Stereo AM/FM radio/tape (optional)	56
23.	Clock and thermometer (optional)	56
24.	L.P.G. tanks and regulator	60
25.	Hitch	33

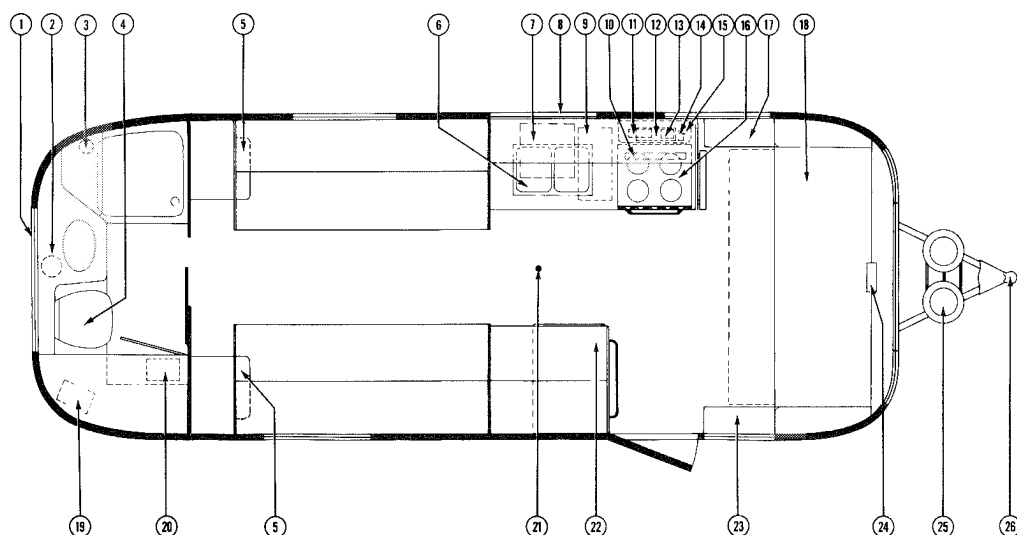


**21 Ft. Double (Land Yacht)**

**23 Ft. Twin and Double (Land Yacht)**

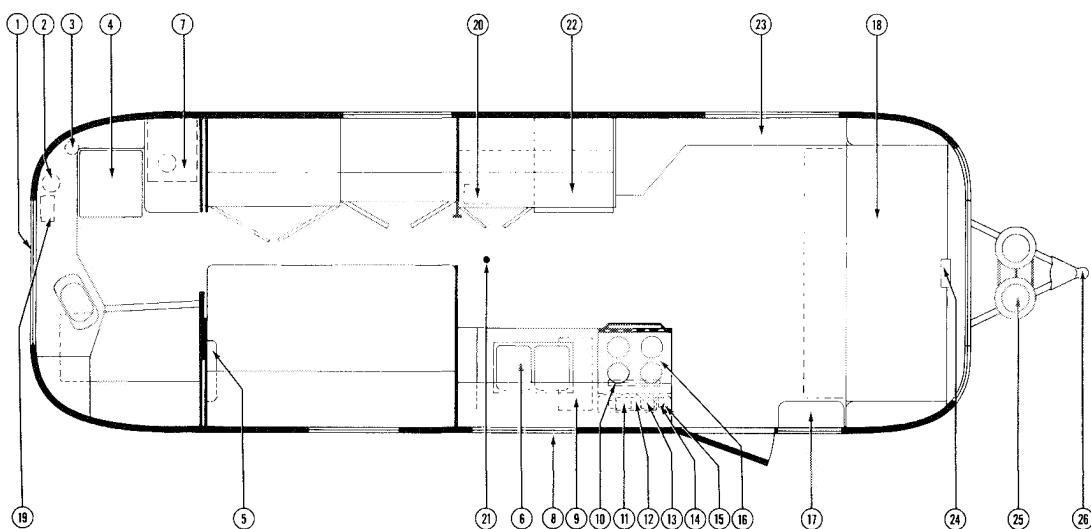


No.	Description	Page No.
1.	Electrical inlet-city	74
2.	Waste outlet	71
3.	Water inlet-city	69
4.	Toilet	73
5.	Bed light	58
6.	Sink	57
7.	Water heater	68
8.	Water inlet-tank	69
9.	Furnace	66
10.	Central control panel (optional)	54
11.	Univolt	74
12.	Battery	76
13.	Water pump	69
14.	12 volt distribution panel	84
15.	Water filter	70
16.	Range and oven	64
17.	Stereo AM/FM radio/tape (optional)	56
18.	Front lounge	53
19.	120 volt circuit breaker panel	75
20.	Vacuum cleaner (optional)	58
21.	Air conditioner (optional)	57
22.	Refrigerator	61
23.	Table	54
24.	Clock and thermometer (optional)	56
25.	L.P.G. tanks and regulator	60
26.	Hitch	33



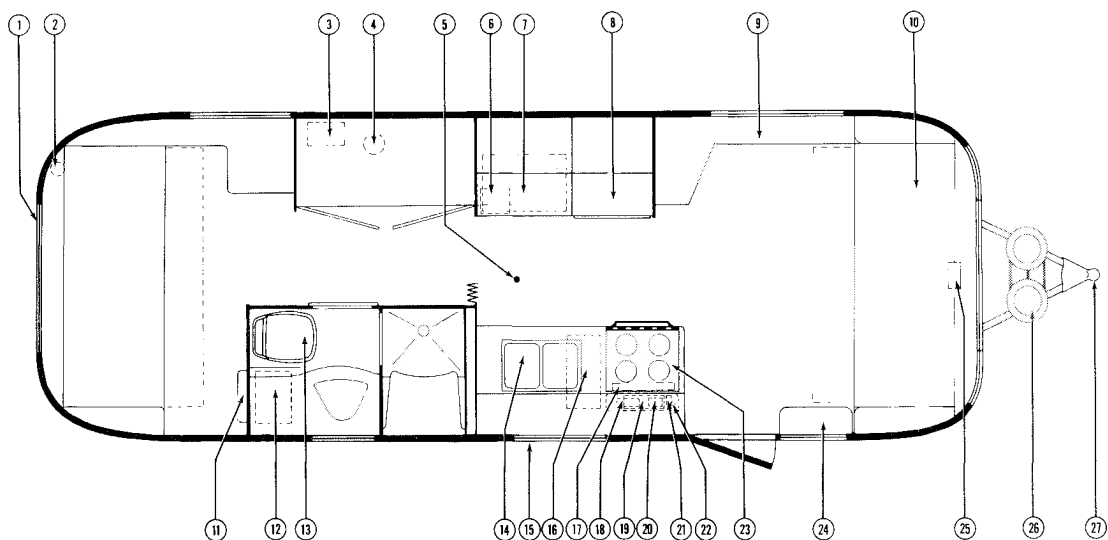
**25 Ft. Twin and Double — Rear Bath (Land Yacht)**

**27 Ft. Twin and Double — Rear Bath (International)**



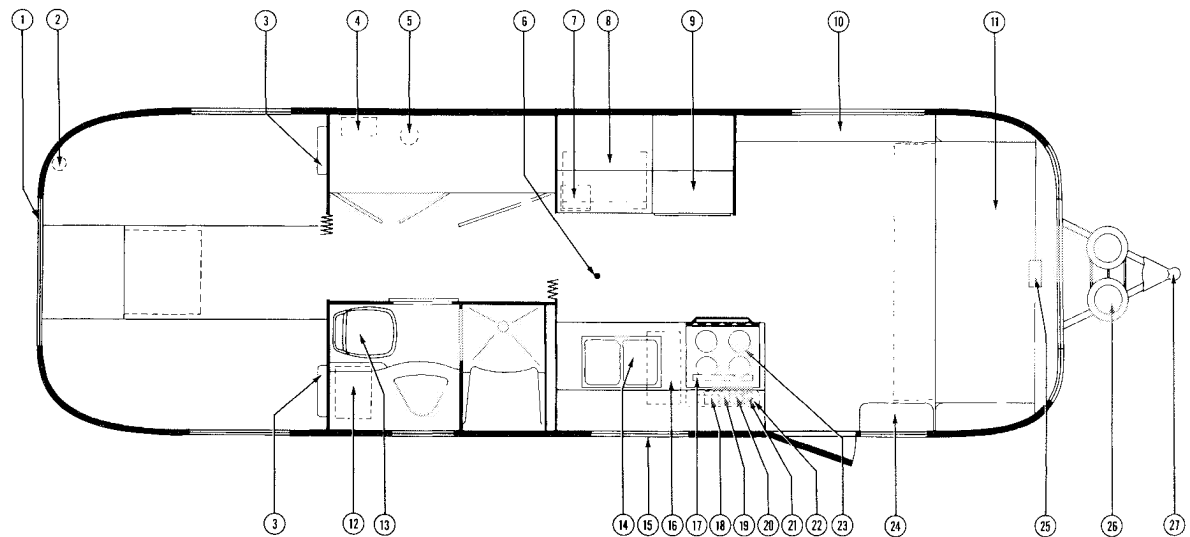
# Floor Plans

No.	Description	Page No.
1.	Electrical inlet-city	74
2.	Water inlet-city	69
3.	120 volt circuit breaker panel	75
4.	Waste outlet	71
5.	Air conditioner (optional)	57
6.	Vacuum cleaner (optional)	58
7.	Micro wave oven (optional)	63
8.	Refrigerator	61
9.	Table	54
10.	Front lounge	53
11.	Bed light	58
12.	Water heater	68
13.	Toilet	73
14.	Sink	57
15.	Water inlet-tank	69
16.	Furnace	66
17.	Central control panel	54
18.	Univolt	74
19.	Battery	76
20.	Water pump	69
21.	12 volt distribution panel	84
22.	Water filter	70
23.	Range and oven	64
24.	Stereo AM/FM radio/tape (optional)	56
25.	Clock and thermometer	56
26.	L.P.G. tanks and regulator	60
27.	Hitch	33



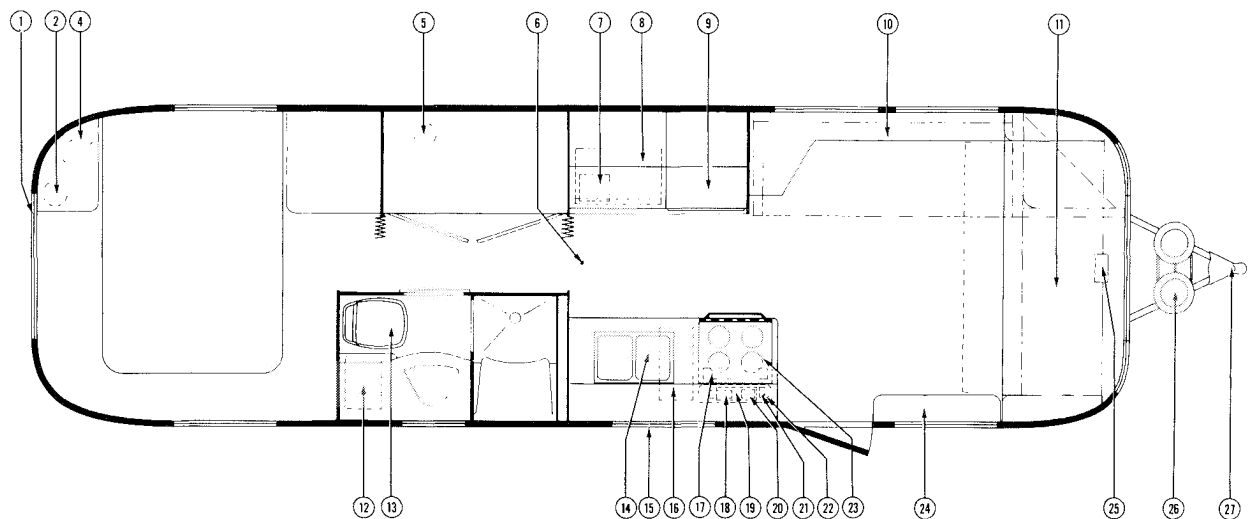
27 Ft. Double — Center Bath (International)

No.	Description	Page No.
1.	Electrical inlet-city	74
2.	Water inlet-city	69
3.	Bed light	58
4.	120 circuit breaker panel	75
5.	Waste outlet	71
6.	Air conditioner (optional)	57
7.	Vacuum cleaner (optional)	58
8.	Micro wave oven (optional)	63
9.	Refrigerator	61
10.	Table	54
11.	Front lounge	53
12.	Water heater	68
13.	Toilet	73
14.	Sink	57
15.	Water inlet-tank	69
16.	Furnace	66
17.	Central control panel (optional)	54
18.	Univolt	74
19.	Battery	76
20.	Water pump	69
21.	12 volt distribution panel	84
22.	Water filter	70
23.	Range and oven	64
24.	Stereo AM/FM radio/tape (optional)	56
25.	Clock and thermometer	56
26.	L.P.G. tanks and regulator	60
27.	Hitch	33



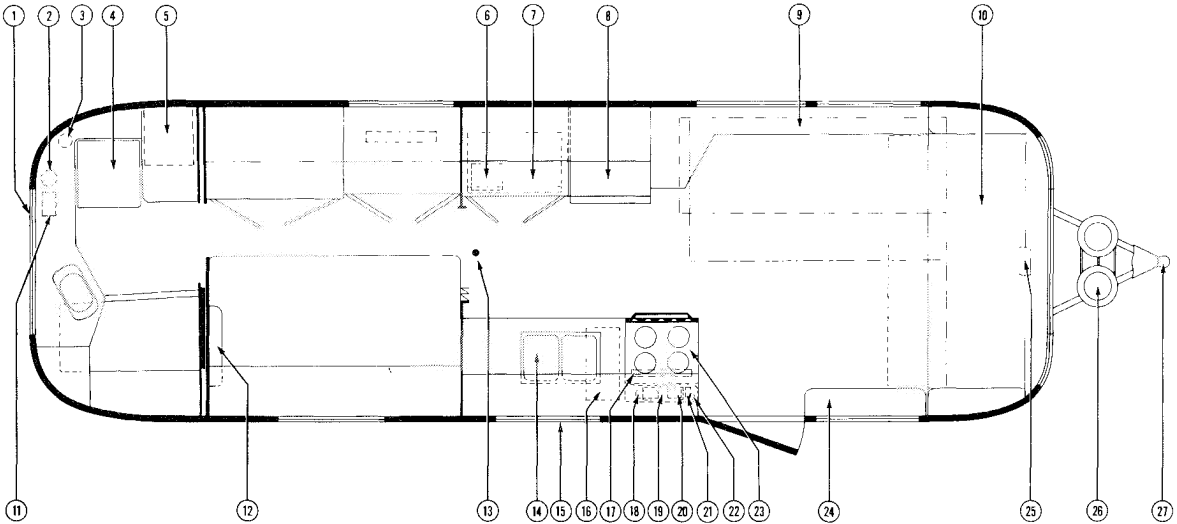
**29 Ft. Twin and Double — Center Bath (International)**

**31 Ft. Twin and Double — Center Bath (International)**



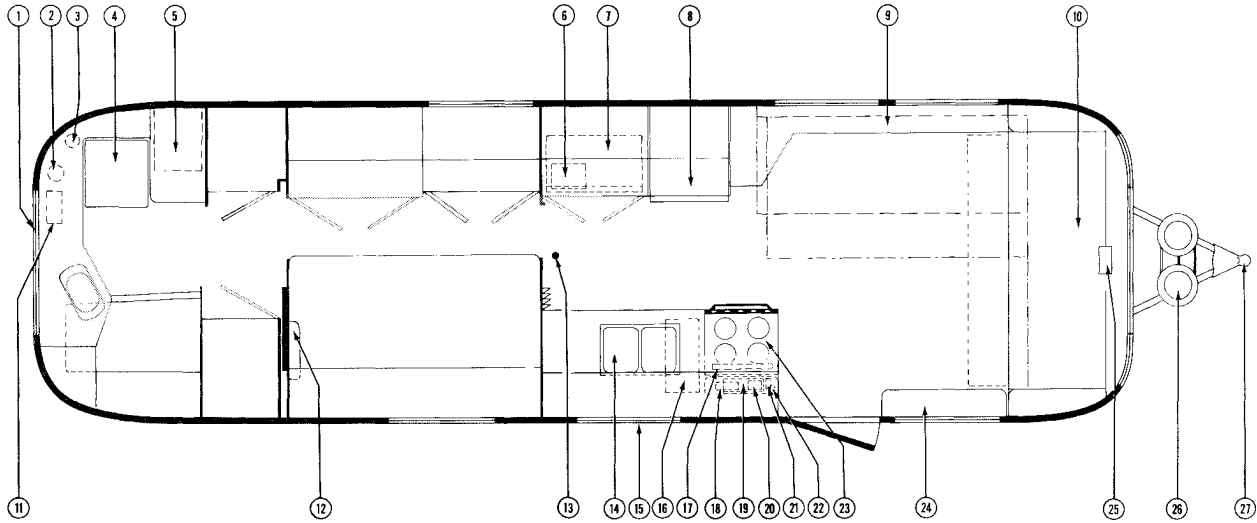
# Floor Plans

No.	Description	Page No.
1.	Electrical inlet-city	74
2.	Waste outlet	71
3.	Water inlet-city	69
4.	Toilet	73
5.	Water heater	68
6.	Vacuum cleaner (optional)	58
7.	Micro wave oven (optional)	63
8.	Refrigerator	61
9.	Table	54
10.	Front lounge	53
11.	120 volt circuit breaker panel	75
12.	Bed light	58
13.	Air conditioner (optional)	57
14.	Sink	57
15.	Water inlet-tank	69
16.	Furnace	66
17.	Central control panel	54
18.	Univolt	74
19.	Battery	76
20.	Water pump	69
21.	12 volt distribution panel	84
22.	Water filter	70
23.	Range and oven	64
24.	Stereo AM/FM radio/tape (optional)	56
25.	Clock and thermometer	56
26.	L.P.G. tanks and regulator	60
27.	Hitch	33



29 Ft. Twin and Double — Rear Bath (International)

31 Ft. Twin and Double — Rear Bath (International)



# Interior

The Airstream interior has been designed for comfort, convenience, durability and appearance. How you use it and how you take care of it naturally depends on you. However, if you learn how to operate the interior components and take care of them and the trailer properly, this knowledge will add to your pleasure as well as the long life of your trailer.

Drapery, upholstery and mattress covers must be professionally dry-cleaned with a mild, pure, water-free solvent. However, a water-based cleaning agent or water-based foam may be used on the upholstery for cleaning small spots.

Your Airstream upholstery is treated with Scotchgard® and should repel moisture. Minor spills should be removed by blotting. Avoid rubbing as this will cause a stain to work itself into the fabric.

The carpet can be cleaned with any commercial or professional carpet cleaner, or with a detergent and water. Be careful not to soak the carpet with water, however.

The counter areas around the sink are of a high-pressure laminate and can be cleaned with soap and water, or you can use a common cleaning solvent on tough spots. Be sure no abrasive cleaner is used as there is the possibility it could scratch the surface. A protective pad should always be placed under hot utensils.



*Lounge Into Bed 1.*

The walls can be cleaned with any vinyl cleaner or with any mild household detergent with water. But, again, no abrasives.

The high-pressure laminate wood of the wardrobes and cabinets may be waxed, if desired, or may be cleaned simply with a damp cloth.

See the bathroom section for cleaning and maintenance suggestions for the ABS plastic surfaces.

To convert the lounge into a bed, grasp the front rail of the seat in the center, lift it up slightly and pull it out until it stops. Push the back of the seat down to finish the bed. To return, grasp the fabric loop at the top of the seat back, pull the seat back to its upright position and slide the lounge into its normal seating position.



*2.*

The **bunk beds** (optional), located in the bedroom, serve as the bolster for the bed when not in use.

In order to place bunk into sleeping position:

1. Depress latch located on the center back side of the bolster.
2. With latch depressed pull up on fabric loop located on the center front bottom of bolster. This will allow bolster filler to hinge down.
3. Bring bolster filler up to horizontal position and attach both straps onto bracket on ceiling.

To lower bunk:

1. Release straps.
2. Rotate bolster filler into latched position.
3. Lower bolster down against wall.

Make beds in the usual way, using fitted



*Below Bed Storage*

sheets  $\frac{3}{4}$  bed size. The space behind the rear cushion is ideal for storing bedding for both front travel lounges and side pull-out beds. An easy method of storing bedding is to remove and store pillows and then fold back the ends of the bedding neatly to expose about 2" of the mattress; then, starting from the edge nearest to you, roll up the bedding as tightly as possible towards the back wall. Raise the rear cushion to its normal position.

To make fixed twin beds, lift mattress slightly, pull it away from the wall and then tuck bedding in along wall. Note: Please do not launder mattress ticking; it has to be dry cleaned to prevent shrinkage.

The **below bed storage** is available on fixed twin models for additional storage of bedding and linen or fishing and hunting gear.



*Table Opening 1.*

A **space locker** attached to the roof lockers is available for additional storage space for bedding, etc. in the bedroom.

All the drawers are removable allowing you storage flexibility and ease of packing and unpacking. Wardrobe catches are self-locking and they may be opened by sliding the touch plate away from the door opening.

When attaching wall hung improvements, like hooks for clothing, bookshelves and extra towel racks, secure with half-inch No. 8 sheet metal screws ~~(1/4 inch)~~ with flat binder heads, make holes in the aluminum inner walls with a small hand drill (No. 30 drill bit).

To **open the table**, lift the table into a horizontal position, depress latch and pull the folding leg down until it locks in position. To extend the table pull out on the latch



*2.*

underneath the table right next to the leg and lift the table and leg slightly off the floor. Now pull the extension frame and leg out as far as they will go. Release the catch on the extension table leaf and rotate it over onto the extended frame. By raising the leg the entire table can be slid forward and aft for your seating comfort.

To stow simply reverse the procedure and unlock the leg and drop the table to the wall. Additional storage is provided behind the table compartment.

The **Central Control Panel**, located in the galley roof locker of your unit, contains the necessary instrumentation to monitor your Airstream's systems.

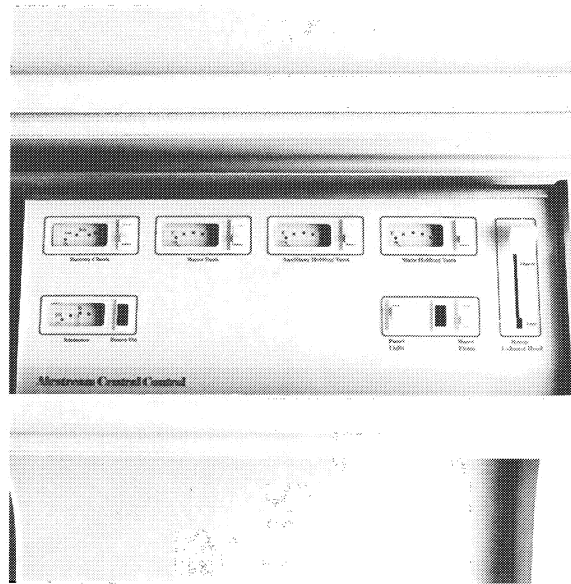
The **panel light** switch lights the gauges.



3.

The **battery condition tester** has a switch which operates a meter indicating: Good, fair and low condition. (This meter does not indicate true battery state of charge while you are hooked-up to 120 volt city power.) When it shows low condition, you should take every reasonable step to conserve power by using as few lights as possible and switching as soon as practical with the tow vehicle charging system, trailer battery charger (12 volt generator) or connection to 120 volt power.

The **ammeter** indicates whether the trailer battery is being charged. If discharge is indicated, reduce your power usage. The Univolt System charges the battery only to the extent of any surplus over and above the electrical demands you make. The battery will not be able to recharge until the power usage is reduced. Therefore, before leaving on a trip, conserve power usage the night before to



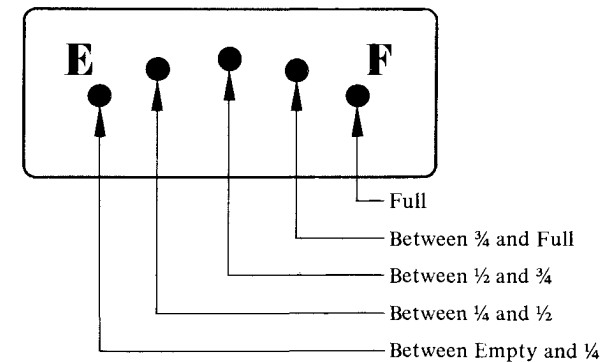
Central Control Panel

insure a fully charged battery.

The **water pump switch**, when on, also lights the indicator light. On trailers without a Central Control Panel, this switch is located in the galley area. For a complete discussion of the pump, please refer to page 69.

The **water tank, main holding tank and auxiliary holding tank gauges** indicate the amount of liquid in their respective tanks. Press the appropriate switch and the gauge will indicate in one of the five positions (see diagram).

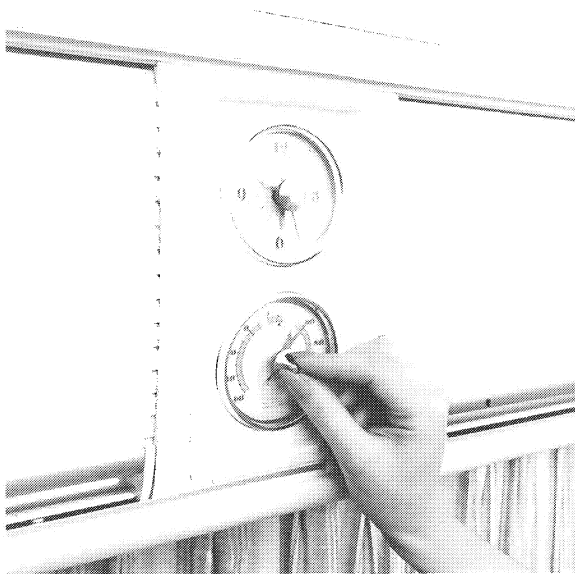
The needle position may be slightly off the indicated mark due to varying voltage in the Univolt System. With a partially discharged trailer battery, the needle would be to the left of dot. A higher voltage would move the needle to the right of the dot. Under these



Water Tank and Holding Tank Gauges

conditions the correct tank level is indicated by the closest dot.

Before leaving the factory the tank level gauges are calibrated. Periodic recalibration may be necessary due to mineral deposits on tank probes. In rare cases, when the water tank has been filled with very pure water, as from a mountain stream, the gauge needle will not align with an indicator dot. This can be corrected by recalibration. To recalibrate any of the three tank gauges: fill the tank to its maximum capacity with water. Press switch and align gauge needle to the middle of the F dot by turning adjustment screw. This screw, located in a hole directly below meter, may be turned with a narrow blade screwdriver. Accumulation of oxides, dirt, etc. may prevent alignment of needle with dot. In this case remove probes and scrape clean. Apply sealant to thread area only and replace



*Clock and Thermometer*

probes. Care must be taken to keep probes free of sealant.

The **power-on light** will glow automatically when you are hooked up to city power. This light and the polarity warning light are your checks on a proper 120 volt connection.

If the gauges are not working and the panel light does not light, check the fuse to the right of the central control panel. The fuse serves all lights and gauges of the central control panel except the water pump. The water pump has two fuses, one in the central control panel and one at the water pump.

Access to the rear of the Central Control Panel is necessary for replacement of panel light bulbs. To remove Central Control panel: remove 2 screws that secure the filter to the range exhaust hood housing and drop it out,



*Stereo Tape and AM/FM Radio*

remove 4 screws up inside range exhaust hood, remove range exhaust fan knob from lever by pulling straight out on knob, remove screws on side panel inside roof locker, and pull electrical connector apart.

The **optional clock** is operated by a 'C' cell battery which will last from nine months to a year. Battery replacement and time reset is located at the rear of the clock.

The **optional thermometer** indicates the outside temperature, and the minimum and maximum temperatures reached since the last setting. The lowest temperature reached the night before and the highest temperature reached during the day may be determined by resetting the pointers the night before. To reset the pointers turn the center adjusting knob on the bezel clockwise and counter-clockwise until the pointers are against the



*AM/FM Radio Fuse*

temperature hand. **Do not apply excessive pressure against the temperature hand.**

A Motorola AM-FM stereo radio and combination Motorola Stereo AM-FM radio with 8 track stereo tape player are available. The "fadar" control allows the front speakers to be turned on by themselves, or the rear speakers by themselves, or any combination of front or rear speakers. A three-way switch in the bedroom provides convenient on-off control for the stereo AM-FM radio/tape.

#### **To operate the AM-FM Stereo Radio:**

1. Push on/off selector button in and radio/tape selector button in.
2. Push band selector button in for FM; out for AM.
3. Adjust volume control to desired listening level.
4. Tune in desired station. On FM stereo



*Air Conditioner Ducts and Filter*

signals the FM stereo indicator will light.

5. Adjust tone control for desired bass or treble response. Adjust balance control for desired sound level between speakers.

#### **To Operate the 8 Track Stereo Tape:**

1. Push on/off selector button in and radio/tape selector button out.
2. Insert the 8 track cartridge into the tape slot (dial scale will open inward); insert cartridge open end first, label side up, until it is firmly seated in mechanism.
3. Adjust volume control to desired listening level.
4. Adjust tone control for desired bass or treble response. Adjust balance control for desired sound level between speakers.
5. To change programs, push the manual program selector. Each time the selector is pushed and released, the next program will play. Programs will play in succession

(change automatically), and continuously, if manual selector is not pushed. The tape program indicator lights will light indicating which program is being played.

6. To turn tape player off, remove cartridge from tape slot, push the on/off selector off (button out). Never leave a cartridge in the tape slot when player is not in use. Store tapes in a cool area with open end down. Protect tapes from dust and direct sunlight.

In time, oxide from recording tape will accumulate on the tape head and capstan shaft which can cause tape hiss and erratic operation. The more often the tape player is used, the more often it should be cleaned.

Clean the head with a cotton swab moistened with isopropyl alcohol. Do not use carbon tetrachloride.

To clean the capstan shaft, first turn on the motor by depressing the motor switch (next to the capstan shaft) with the eraser end of a pencil. Use a cotton swab moistened with alcohol on the shaft.

The fuse for the radio, or radio/tape is located behind the unit. To gain access to fuse, remove seat cushion and let unit hinge down. The fuse is secured within an inline fuse holder.

The **Armstrong air conditioner** can be used for cooling or heating your trailer or for air circulation only.

#### **To operate for cooling:**

1. Close doors, windows and ventilator.
2. Set wall thermostat to "COOL" position and set thermostat indicator to your desired comfort level.
3. Set system switch (located at ceiling cover of air conditioner) to your preferred speed setting.

Note: The air conditioner will not operate until speed selection is made. The recommended cooling speeds for various outdoor temperature ranges are:

Hi-Cool	70-120
Med-Cool	60-110
Lo-Cool	50-100

#### **To operate for heating:**

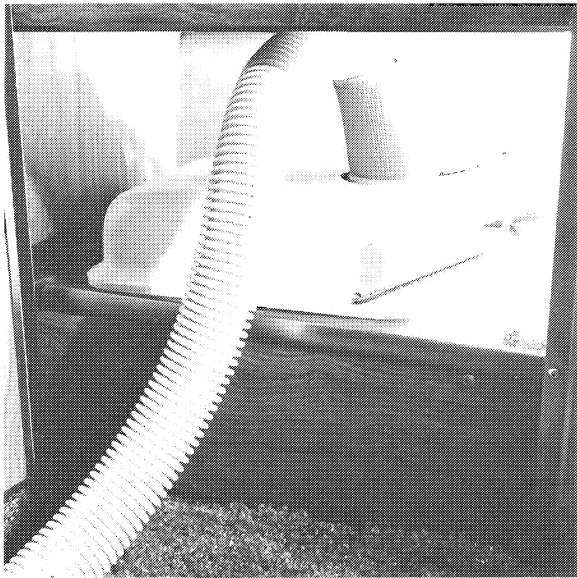
1. Set wall thermostat to "HEAT" position and set thermostat indicator to your desired comfort level.
2. Set system switch to your preferred speed setting.

Note: The heater will not operate until speed selection is made.

To use for air circulation, set wall thermostat to "OFF" position and system switch to any of the three speed selections. To shut unit off, set system switch to OFF position.

Shut unit off to clean or replace the filters. Clean both filters with vacuum cleaner once a week. Once a month, remove filters and wash in warm soapy water.

Stainless steel sinks cannot be harmed by boiling water. However, salt, mustard, mayonnaise and ketchup will cause pitting. Stubborn stains will yield to paste made of water and



*Vacuum Cleaner Hose & Outlet*

slightly abrasive cleaner. Be sure to work in the direction of the polish-lines on the steel, to keep the original finish. Fingerprints are sometimes a problem. They can be minimized by applying a cleaner that leaves a film of thin wax: simply wipe it on and remove the excess with a dry cloth. After this, fingerprints can be wiped off with a soft dry cloth, or one moistened with a little wax cleaner. The surface should always be washed before wax is applied. Regular cleaning will prevent build-up of scale and film. Ordinary soaps or detergents are best for routine cleaning of the stainless steel sinks. Rinse thoroughly with warm water and wipe dry with a cloth to avoid streaks and spots.

For further information on galley equipment refer to page 61 for the refrigerator and page 64 for the range and oven.

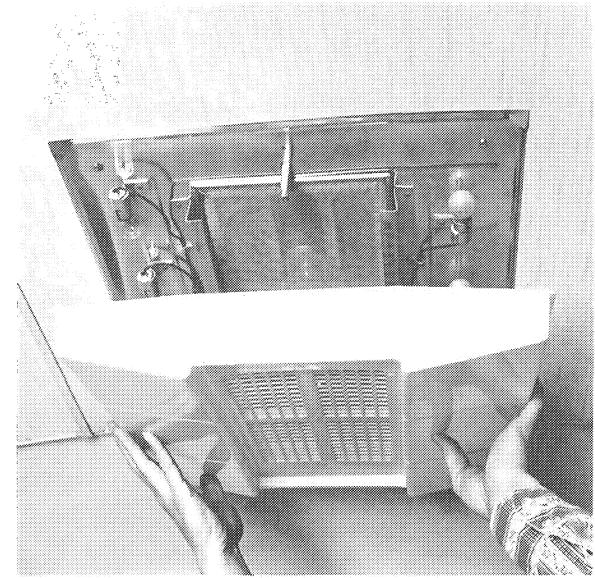


*Vacuum Cleaner*

Professional carpet cleaning methods should be used for heavy carpet cleaning. However, you can clean your carpet more frequently with a broom or vacuum cleaner. Consult a professional carpet cleaner for hard to remove stains.

The **vacuum cleaner**, optional, is located in the storage cabinet adjacent to the refrigerator. To start the unit, raise the flap on the outlet and insert the hose with a slight twist. Make sure the dust bubble is connected to the hose before using. To stop the unit, simply remove the hose from its outlet.

To **open and empty the dust bubble**, hold it over a trash container and twist the lower lid carefully. Tap the two halves to release any dirt trapped on the filters. The dust bubble can also be rinsed out after removing both upper and lower filters.



*Ceiling Light Fixture*

To **remove the filters**, remove the lid and grasp the large outer red ring in the upper half of the bubble. Pull it gently toward you until free. Lift out the small inner red ring from the center of the bubble. Remove the lid filter ring by pulling gently. To reposition the filters reverse this procedure. When properly positioned, the large outer red ring should rotate freely on the flange.

**Bed-lights** are operated by a switch on the side. To replace bulbs snap the lens out by squeezing gently the long side of the lens until it drops out of the fixture. Area lights have switches on the rim.

**Ceiling light fixtures** are incorporated with the ceiling fresh air vents. To operate the lights turn the forward control knob clockwise; first position 2 lights, second position 4 lights, third position 6 lights, fourth position

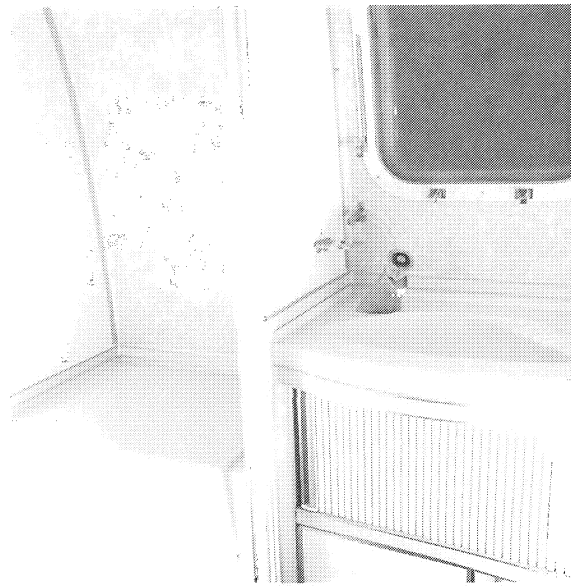


*International Rear Bath*

to replace the bulbs and remove the lens.

The fresh air vents are operated by the aft control handle. Turning clockwise will raise the vent and at the maximum extension vents with fans will automatically turn on. For maximum air without fan, open until fan starts and back up just enough to turn fan off. Turning counterclockwise will close the vent. Airstream vents are designed to allow air circulation while still keeping out rain and can be used in any weather. Screens should be removed for periodic cleaning.

The lavatory bowl, counter top, tub or shower pan in your Airstream bathroom are made of a special ABS long-wearing, light weight, high strength plastic material. When cleaning, use soap or detergent only — never use scouring powder. Always re wax the ABS plastic surfaces after each heavy cleaning with

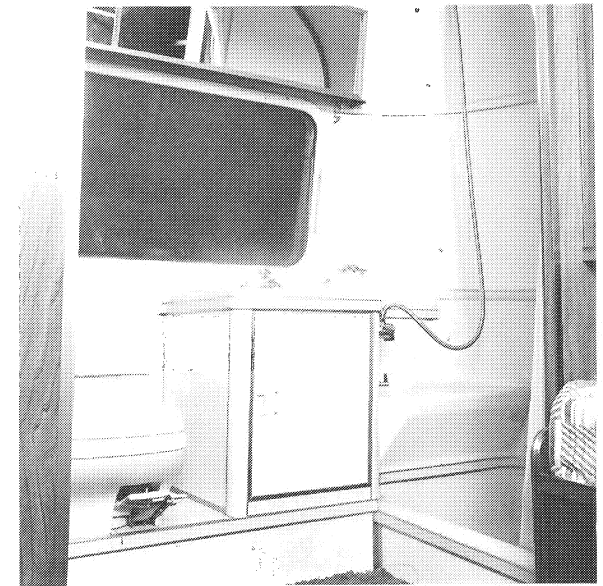


*International Center Bath*

a good grade paste wax (without solvents or cleaners). The wax will protect the surfaces from discoloration and stains. When you first purchase your trailer, Airstream recommends that you give all ABS plastic surfaces a heavy coating of paste wax. This will assure easier cleaning and lasting beauty.

The bathroom **exhaust fan** in International rear bath models is in the bathroom wardrobe wall left of the toilet and is operated by a switch under the roadside roof locker. In International center bath models the fan is located behind the toilet and is operated by a switch located to the right of the toilet. In Land Yacht models the fan is located on the bathroom wardrobe panel. Complete toilet instructions are on pages 73.

The **telephone shower head** is designed to give maximum flexibility in usage and provide for



*Land Yacht Bath*

water saving techniques when using your trailer on self-containment. It can be held in the hand and moved about the body. Normally the best water conservation procedure is to wet the entire body and then turn the water off with the push button at the shower head. Apply soap, lather thoroughly, then rinse the soap off. On International models, the shower can be turned on and off without disturbing the hot-cold adjustment. The telephone shower head is also used to fill the tub for taking a bath.

In the International rear bath, the 120 volt and 12 volt outlets are located on the under surface of the roof locker near the window.

The **light** in the bathroom is operated by a switch on the light. To change bulbs, squeeze the lens at each end and pop it out.

# L.P.G. System

Your Airstream is equipped with two tanks for LPG (Liquid Petroleum Gas). LPG burns with a clean blue flame and produces 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 round and Propane is used where subfreezing temperatures are common, since Butane freezes at 32°F as compared to -40°F for Propane. All of the orifices in your Airstream LPG appliances are of the universal type which will burn either fuel.

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

International models are equipped with an **automatic gas regulator**. Both tanks are connected to this regulator and are turned on. Gas is drawn from only one tank at a time and when the tank being used is depleted the regulator automatically switches to the full tank. An indicator on the regulator 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 close the tank valve, disconnect it, have it filled and reconnect.

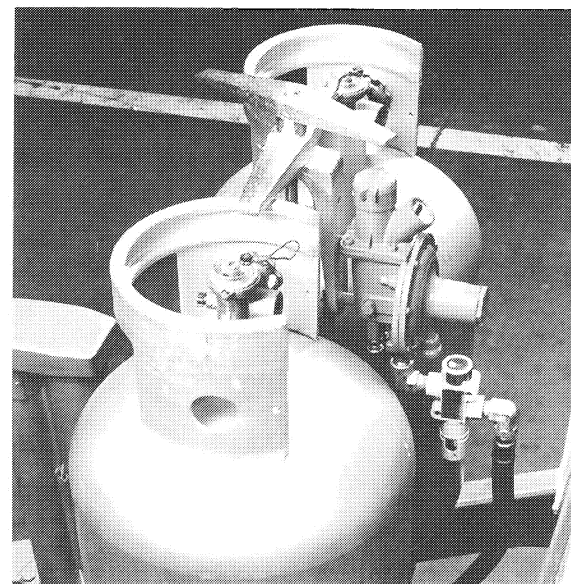
**To remove the gas tanks**, disconnect the tubing nut with a wrench and loosen the bar handle which holds the tanks in place. The tubing nut has a left hand thread so be sure to always turn it clockwise to loosen and counterclockwise to tighten. When replacing a tank, connect and tighten the tubing nut before clamping it in place.

If you have allowed both tanks to run out, air may have gotten into the lines. In this event, the air must be forced out through the lines by gas pressure before you will be able to light the pilots. Hold a match to the pilot of the appliance closest to the tanks until it lights and stays lit. Then move to the next closest, etc. For complete appliance operating instructions, refer to pages 61-68.

Gas lines should be checked periodically for leaks with the optional **L.P.G. leak detector**. Do not use open flame.

To operate L.P.G. leak detector, follow these instructions:

1. Close gas tank shut-off valves.
2. Open trailer door and windows for ventilation and shut off all gas appliances, including pilots.
3. Open one gas valve and light burner to deplete any gas pressure. **Then close the valve.**
4. While depressing leak detector red button, open the main tank valve. A stream of bubbles will be immediately visible. Continue to depress the plunger for 5 to 10



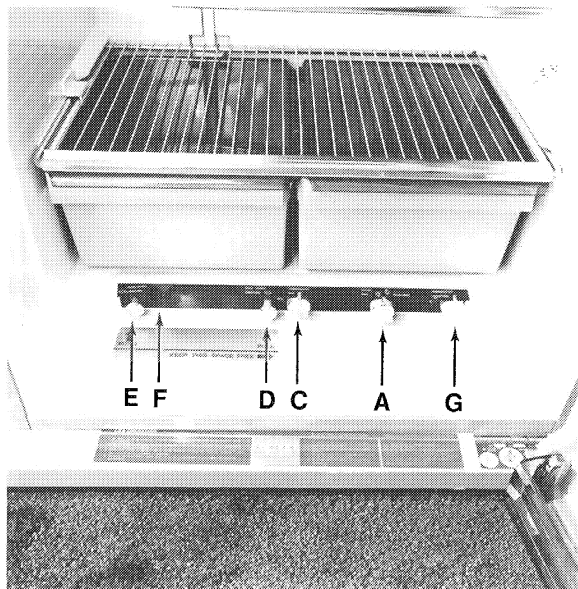
*L.P.G. Leak Detector*

seconds. If no bubbles are released, your system has a leak and you should conduct a soapy water test at all joints. Tighten if necessary and retest.

5. If test still shows a leak contact your Airstream Service Center.

**Note:** In some states it is illegal to leave the gas tanks turned on while towing a trailer.

Additional information on the L.P.G. System is available in the Airstream Service Manual.



*Controls Inside Refrigerator*

# Refrigerator

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

For best operation of this refrigerator it is important to level your trailer. When parking try to avoid having a strong wind blowing directly against the vent outlet for most efficient operation.

Controls for both Gas and Electric operation are located inside the food storage compartment, at the bottom of the unit, and in the Outside Access Compartment. See photos.

**For Gas Operation,** follow these instructions:

1. Open refrigerator door, all controls for gas operation are located at bottom of unit.
2. To start the refrigerator turn the valve knob (A) to gas position. The gas valve is now open and the electric circuits are not in use. Set thermostat knob (B) to setting #4.
3. Pull knob (C) of the automatic pilot, and keep it out for 15 seconds. Press in knob (D) of the piezo lighter. The pressing may have to be repeated.
4. After the burner is lit, which can be seen through reflector window (E), keep the knob (C) pulled outward for an additional 15 seconds.
5. Release the knob (C) and check that the burner is operating.

If the burner is not operating, repeat the lighting procedure.

After a replacement of a gas bottle or a long shut-off period the gas lines are likely to be filled with air. In such cases the lighting procedure has to be repeated until the air is pushed out of the lines and the gas has reached the burner.

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 the electrical current to maintain the set temperature.

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.

The refrigerator is fitted with a piezo lighter which does not require flint.

**For Electric Operation,** follow these instructions.

1. Open refrigerator door and outside access compartment door. Outside access doors are opened by unlocking and turning the handle 1/4 turn counterclockwise. Controls for electric operation are located in both areas.

2. To start the refrigerator turn the valve knob (A) to the off position.
3. Plug the electrical cord into the 120 volt outlet located in the refrigerator outside access compartment . On models equipped with the optional Micro Wave oven the 120 volt outlet is located on the back wall of the storage compartment below the Micro Wave oven.
4. Press knob (A) in, until it stops, then turn to electric position.
5. Turn the electric thermostat knob (F) to setting #4.

For best operation even during extended stays in parks your unit should be periodically run on gas.

The refrigerator has automatic thermostatic control of the temperature in the food storage space. The gas thermostat (B) controls the temperature during gas operation, while the electric thermostat (F) controls the temperature during electric operation. Be sure to make the temperature setting on the correct thermostat.

Your Dometic incorporates a unique, fully automatic defrosting device for the general food storage compartment, which eliminates the necessity for manual defrosting at frequent intervals normally associated with most conventional refrigerators in the medium size range. Furthermore, the time interval of each defrosting cycle, and the frequency, have been so arranged that during defrosting there is no noticeable effect upon the temperature of the foods stored in the refrigerator, and the frozen food storage conditions can be main-

tained at all times in the frozen storage compartment.

When cleaning, remove all food and clean the interior and all other plastic parts with warm water, and mild detergents. Never use abrasive or caustic cleaning powders, polishes, cleaning paste, gasoline, turpentine or other solvent type cleaners. Use a damp cloth for cleaning and finish with a soft dry cloth.

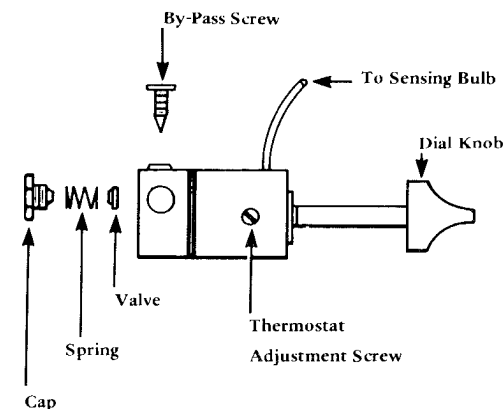
When the refrigerator is to be out of operation for some time, always leave the door slightly open or place a pie tin of barbecue charcoal on the shelf.

The following are some trouble shooting tips for emergency use only. They relate to gas operation and should normally be done by the dealer.

**Problem: Flame goes out. 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 valve. Clean the seat and valve, and replace.
2. If procedure (1) does not correct the problem, adjust the set screw out (in counterclockwise direction) until the flame goes down to the "low" position.

If the flame keeps going out when the dial is turned to (O), remove and clean the by-pass screw which is located as shown in the diagram above.



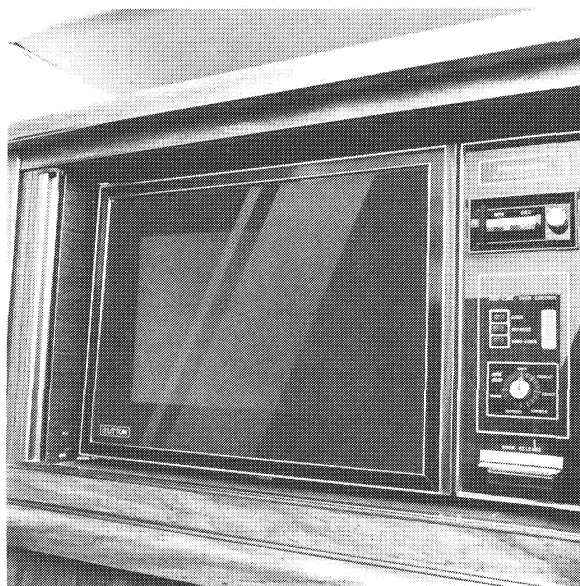
*Thermostat*

**Problem: Burner does not light. Remove and clean the burner barrel, and/or check the gas supply.**

On gas refrigerators, the flue will require cleaning at least every six months. To do this, it will be necessary to gain access to the back of the cabinet. When cleaning the flue proceed as follows:

Unscrew the burner housing, then lift out the baffle on its support wire from the top of the boiler tube. From the top, clean the baffle, before putting back in place. An obstruction in the flue will reduce or stop flue draft. Flue obstructions will cause odors outside refrigerator, slow freezing and higher cabinet temperatures.

Additional information on the Refrigerator is available in the Airstream Service Manual.



*Micro Wave Oven*

## Micro Wave Oven

Your Airstream is equipped with the Litton Industries, Atherton Division, portable Micro Wave Oven. Airstream dealers cannot service or make adjustments to the oven. This must be done by an authorized Litton Industries dealer. If you ever have problems with the oven check the local telephone directory for the nearest dealer.

The operation of your electronic oven is as simple as 1, 2, 3:

1. Depress door release. The door will open automatically and the interior light will come on. Set timer to desired time.
2. Place food item inside and close the door.
3. Push the "cook" button. NOTE: When you open the door, cooking will stop automatically until you close the door and

push the "cook" button again. Your timer will maintain the proper time setting.

**The digital timer** has two convenient operating controls:

1. A knob for setting seconds and minutes. Push in and turn clockwise to set time; counter-clockwise to decrease time. For time settings of 35 seconds or less, it is recommended that you turn the knob past 35 seconds and then back to the desired time.
2. A thumb wheel for convenient setting of tens of minutes. Rotate upward to set time; downward to decrease time. The timer thumb wheel will not rotate until the timer is set to a time other than 0:00.

**Please read your cooking guide carefully.** It will help you learn about your new Litton Electronic Oven quickly.

Your Micro Wave oven is a portable and can be removed for use in your home when your trailer is not in use. This can be done by removing the attachment screw that is located in the top of the cabinet directly below the oven.

### IMPORTANT

#### **Safety and Maintenance Instructions.**

Your new Litton Micro Wave Oven has been carefully designed and thoroughly tested to meet exacting safety standards. However, it is important for you as a user to observe certain precautions and care in utilizing your Litton oven for maximum performance and safety. The door on your oven has been carefully designed to contain the micro wave energy;

therefore, it is important that you observe the following:

1. Do not operate the oven with any object closed between the door and the oven face.
  2. Do not operate the oven if there has been any damage to the oven face or door including loose or broken hinges or latch, or if the door does not close firmly against the oven front.
  3. Do not attempt to defeat the interlock switches. They are there for your protection. You will note that upon operating the door latch while the oven is in the cook cycle, the oven cook light will go out. If the light does not go out, the front interlock switch is not operating properly. In such case, do not operate the oven until the interlock switch has been repaired.
  4. Remember that it requires considerable electrical power to operate the micro wave oven (15 amps). Operation of other 120 volt appliances should be kept at a minimum when operating the oven.
- The door enclosing the micro wave oven can also be used as additional counter space.

Your new oven requires very little maintenance except for cleaning. Do not allow grease, soil or splatter to build up on the door seal to the oven cavity. Litton maintains trained service technicians in all principal metropolitan areas. It is suggested that these authorized service agencies be utilized for proper repair and adjustment of your oven.

Additional information on the Micro Wave Oven is available in the Airstream Service Manual.

# Range and Oven

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

## Range Section

The range is equipped with coaxial orifices for use with LPG. The flame will be approximately  $\frac{1}{2}$  inch long. **Do not attempt to adjust gas to burner.** The orifices have no adjustment.

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 the figure to the right. Air shutters set too far open will cause the flame to lift away from the burner head and it will be difficult to light. If the air shutters are closed too much, the flame will look hazy and the distinct cones will be missing.

Problem: Flame lifts off ports—Too much air.

Problem: Soot formations — Not enough air.

Problem: Flame flashes back into air mixture chamber — Too much air in proportion to gas. Slightly decrease air.

Problem: Orange flame; caused by small filings in new burners or dust in air—Clean burners.

Problem: Burner fails to light — Usually too much air.

Note: To adjust air-gas mixture, rotate the sleeve behind the burner control knob. Decrease air by closing the opening, and increase air by opening it.

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

**Never allow the top cover to be closed while the range is in operation**, as this will extinguish the flame and permit gas to escape into the trailer.

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

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

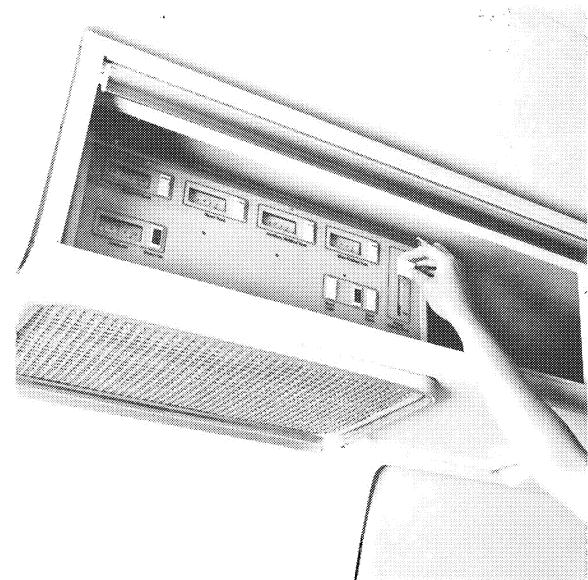
## Oven Section

The thermostat control knob (A) is combined with the constant pilot shut-off. For normal use: turn only between “OFF” and “BROIL.” When traveling, turn to “PILOT OFF.” Relight only when you want to use the oven, by turning from “PILOT OFF” to “OFF” and lighting with a match.

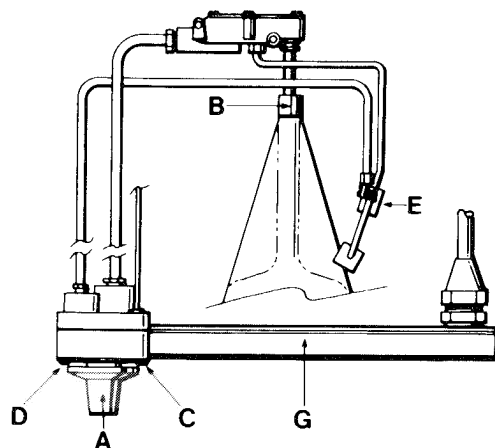
The air shutter (B) on the main burner is to be adjusted so that each cone of flame is separate and distinct, as illustrated.



*International Range and Oven*



*Range Exhaust Hood*



*Combination Range and Oven Controls*



*Separation of Flame into Distinct Cones*

### Constant Pilot Adjustment

1. Remove control knob and bezel (A).
2. Using a screwdriver, turn slotted red-colored constant pilot selector (C) to LP position. When the slot is in the vertical position, the selector cartridge is in the "OFF" position.

### Heater Pilot Adjustment

1. Replace control knob and turn to the 300 degree setting on the control knob dial. This opens the thermostatic valve in the thermostat and allows gas to flow through the heater pilot tube to the heater pilot.
2. Remove the control knob.
3. Using a screwdriver, turn the slotted green-colored heater pilot adjusting cartridge (D) in either direction until the pilot flame just envelopes the temperature responsive element (E).
4. Replace bezel and control knob.
5. Make any air shutter adjustments for oven burner flames.

**Important:** Your oven is equipped with a **safety ignition** that requires a minimum of 30 seconds to operate after turning the oven control knob on. The oven pilot may be slow in lighting due to air in the gas lines.

### Cleaning Instructions

1. The main top has been hinged from the back so that it can be raised for cleaning around the top burners.
2. When cleaning the top burner heads, care should be taken that all ports are opened up with a toothpick afterwards.
3. Spill-over or spotting in the oven or broiler are more easily cleaned when removed

promptly after they occur. **Never wash porcelain when warm. Never use cleaning powder containing grit or acid.** When oven bottom is replaced after cleaning and servicing, be sure that it is locked in place. The front return flange on the oven bottom must hook under the side support angles to prevent warping.

The **range exhaust hood** provides venting of cooking heat and smoke from the trailer. To operate, pull lever (A), on right hand side of central control panel, down. This will open the shutter and turn on the switch for the power fan. Clean the filter regularly with warm water and detergent. To remove the filter, remove the two screws that secure it to the housing and let it drop out. Keep the vent housing clean from grease and dirt by frequent washing.

The **range exhaust hood** provides venting of cooking heat and smoke from the trailer. To operate, pull lever (A), on right hand side of central control panel, down. This will open the shutter and turn on the switch for the power fan. Clean the filter at least every six months with warm water and detergent. To remove the filter, remove the two screws that secure it to the housing and let it drop out. Keep the vent housing clean from grease and dirt by frequent washing.

Additional information on the Range/Oven is available in the Airstream Service Manual.

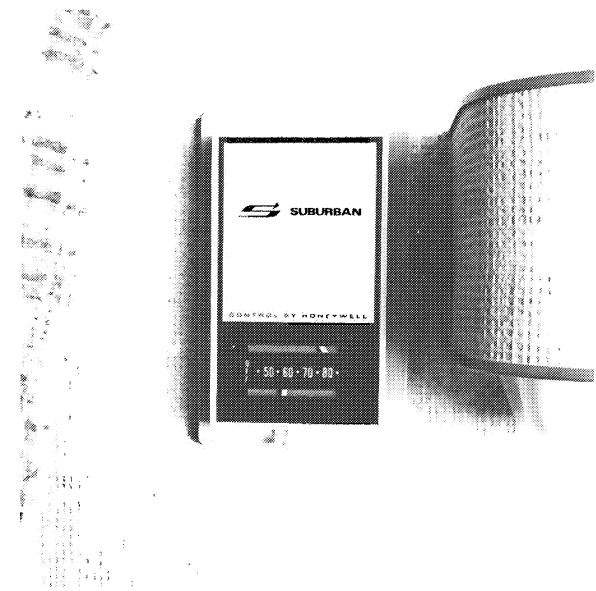
# Furnace

The Airstream furnace is an American Gas Association approved Suburban unit with an electronic ignition designed specifically for travel trailers. It has a sealed combustion system with a dual blower for maximum air circulation. One blower circulates room air while the other draws in air for combustion. The adjustable louvered heat registers control warm air flow while cold air returns through the galley cabinet toe kick opening.

The heat duct system also circulates warm air around the holding tank, water tank, and one-stop-service center, a vital feature when operating in below freezing weather.

The Suburban furnace is thermostatically controlled. When the thermostat calls for heat, the blower starts and only after it has reached nearly full speed will the burner light. After the temperature set on the thermostat is reached the blower will continue to run for a short time removing most of the remaining heat from the furnace as well as forcing the combustion gases from the heat exchanger. To turn the furnace off for an extended period of time turn the thermostat and the gas valve to their "OFF" positions. Operating instructions are printed inside the furnace door.

Trouble-free operation of the Suburban furnace will depend on your adherence to recommended operating procedures and precautions. Corrections of possible malfunctions presented here will be helpful in an emer-



*Furnace Thermostat*

gency situation, but **servicing should be done by a dealer**. One note of caution regarding flue gases: they are vented from the furnace to the outside of the trailer through a vent in the outside wall. **Do not in any way obstruct this vent by placing clothing or other flammable material on the vent assembly.** Check it often to make certain it does not become clogged.

## **To start the furnace:**

1. Turn main gas valve to full "ON" position.
2. Set thermostat to desired temperature.
3. The main burner will normally light within 3-4 seconds, not exceeding 15 seconds.
4. If burner does not light, set thermostat to "OFF", wait 120 seconds and try again for ignition.
5. If, after three tries, the burner does not light, turn the main gas valve and the thermostat to their "OFF" positions and

determine cause. **Do not attempt to light burner with matches.**

**Caution:** The air shutter adjustment cover must be tightly secured for proper operation of the heater.

If your fuel supply is depleted the main burner will go into lockout. To reset the lockout, turn gas valve to “OFF” and set thermostat to “OFF”. Wait 2 minutes and return to operation.

**Adjustment of Main Burner (Primary air):** Set the furnace into operation by advancing the thermostat and allow to run until it reaches near-maximum operating temperature. Observe the main burners through the burner observation window. The flame should be without a trace of yellow and be “sitting” on the burner. As the furnace was tested at the factory before shipment, it may be found that the primary air is already in proper adjustment. However, adjustments may vary from one location to another due to differences in elevation and in characteristics of the fuel gases.

If the flame burns yellow or “lifts” off the burner, it needs adjustment. Take out the screws retaining the rectangular cover plate and lift the plate off.

Inside the opening is a threaded rod with the visible end slotted to receive a screwdriver. By turning the rod you will adjust the position of the main burner air shutter. This air shutter should be adjusted to the point where a slight trace of yellow remains in the tip of the

flame. Replace the cover and check that the yellow tips have now disappeared. **Caution:** The primary air adjustment cover plate must be in place for proper operation of the furnace.

When the humidity is high inside your trailer and you wish to remove moisture, open a roof vent and turn on a vent or open a window slightly for cross ventilation.

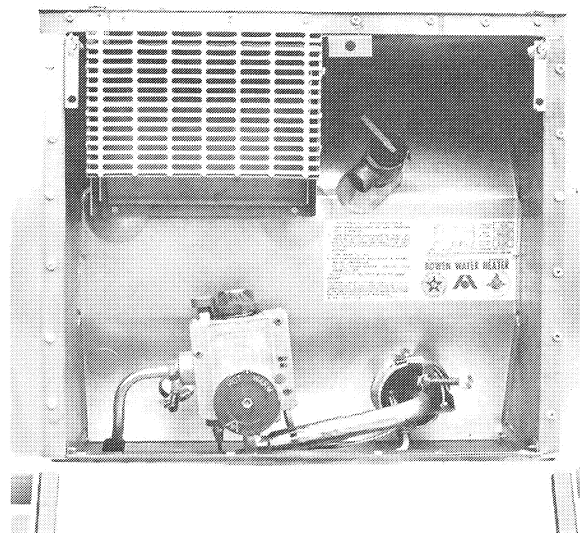
Additional information on the Furnace is available in the Airstream Service Manual.

# Water Heater

The Bowen Gas Water Heater is equipped with a Robertshaw 100% shut-off safety valve which shuts off the gas supply if the pilot flame is extinguished or the water temperature becomes excessively hot. It is **lighted and serviced from the outside through an access panel at the roadside, rear, of the trailer.**

## Procedure for lighting or relighting:

1. Be sure the water heater is filled with water.  
Open the hot water faucet at the sink and when the water flows, the heater is full.
2. Turn manual gas valve, on the lower exterior of the trailer below the water heater, to the "ON" position.
3. Turn the gas valve knob (A) to the "OFF" position and the temperature indicator dial (B) to the lowest temperature position.
4. Wait sufficient length of time to allow gas, which may have accumulated in the burner compartment, to escape (approximately five minutes).
5. Turn gas valve knob (A) to "PILOT".
6. Depress and hold the red reset knob (E) and push the lighter (D) in and turn until the pilot flame ignites. This may take several turns of the knob. Or you may light it with a match.
7. Keep the reset knob depressed for one-half minute after the pilot flame ignites.
8. Turn the gas cock knob to "ON".
9. Set the temperature indicator dial to the desired water temperature.
10. To shut down the water heater, turn the gas cock knob to the "OFF" position.

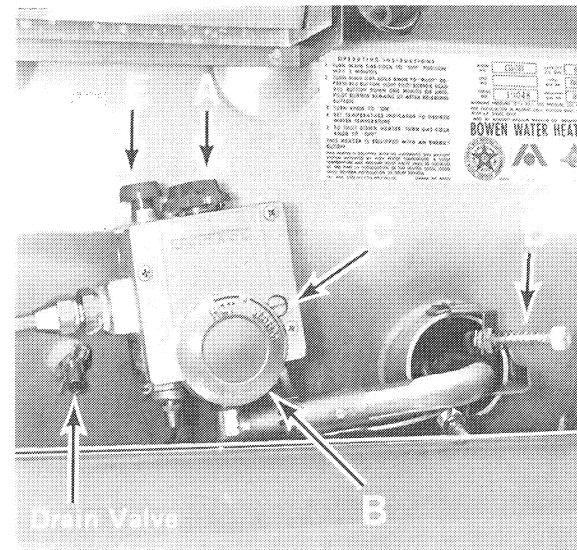


Water Heater Access Panel

## Pilot Flame Adjustment

If the pilot flame does not have a small orange tip, the pilot is not getting enough gas. The flame should be about 1/4 inch in vertical height when the water in the tank is cold and the burner is off, 1/4 to 3/8 inch in horizontal length when the tank is warm.

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 (C) in the lower right corner of the control will reveal the pilot adjustment screw. Turning this screw clockwise reduces the flow of gas to the pilot (blue flame) and counter-clockwise, the gas supply will increase (orange flame). **Always replace the Pilot Adjustment Cap to prevent gas leakage.**

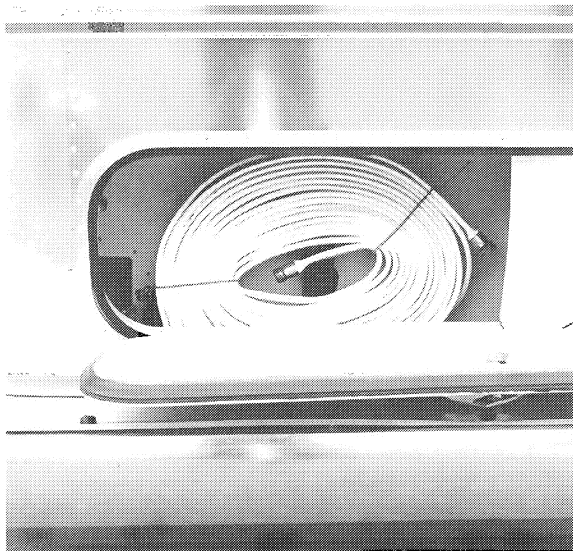


Water Heater Controls and Drain Valve

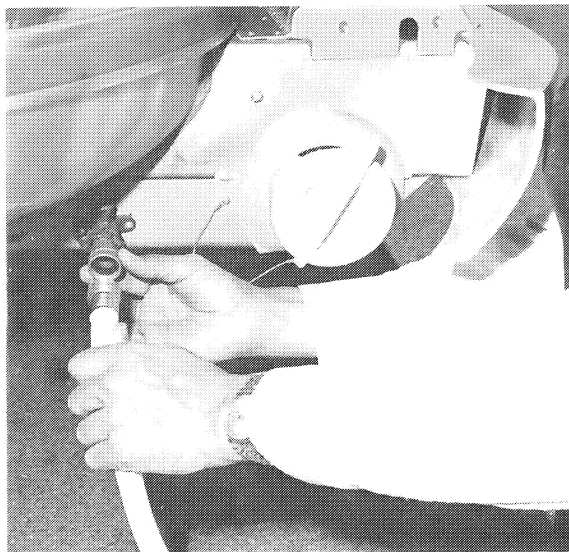
## Air Shutter Adjustment.

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 too much air. The air shutter slides back and forth along the burner tube and is held in place by a small shutter adjustment screw (D). Loosen the screw for adjustment. A good method of adjusting the air shutter is to slide the shutter to the right until yellow tipping occurs on the main burner flame (not the pilot) and then slowly slide the shutter to the left until all signs of yellow tipping are gone. When proper adjustment has been obtained, tighten the screw holding the air shutter. The outside access door must be kept firmly locked for proper operation.

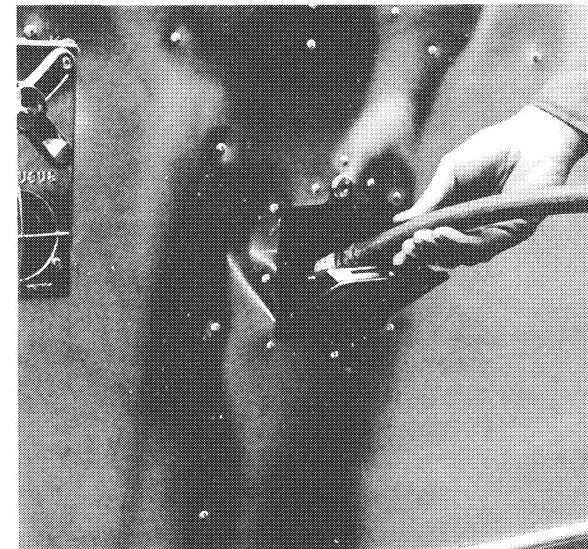
Additional information on the Water Heater is available in the Airstream Service Manual.



*Water Hose Storage*



*City Water Hook-Up*



*Water Tank Fill Spout*

## Water System

The Airstream water system provides full service both when the trailer is self-contained or when city water is available. Water heater capacity is 10 U. S. gallons in 27-ft. through 31-ft. units and 6 gallons in 21 ft. through 25 ft. units. The water tank stores 45 gallons of clean fresh water for all your needs.

When self-contained, the water pump should be turned on. The switch is located on the Central Control Panel in the galley roof locker of your Airstream. The water pump will run whenever a faucet is opened, and will shut off whenever a faucet is closed. It will deliver 3 gallons per minute under constant pressure.

**Note:** The water pump must be turned off when hooked up to city water supply and when you leave your Airstream unattended.

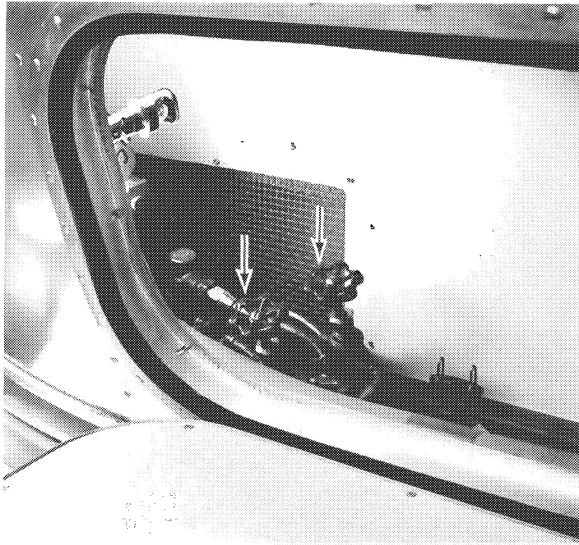
For city water supply, connect a 1/2" minimum high pressure hose to the water inlet fitting (see photograph) located under the rear roadside corner of the trailer, just forward of the bumper. Turn the hose on and slowly open an inside faucet until the water flows free of air. The system will now be ready for use. If you are staying for some time where city water is available, drain the water storage tank. To drain the tank, open a drain valve or faucet and turn the water pump switch on until the tank is empty. Be sure to refill the tank with fresh water before departing. The system has check valves in the water lines to protect the water tank while you are connected to the city water supply.

The water tank is located under the floor just forward of the axle. To fill the water storage tank, open the filler spout (see photo) on the exterior wall adjacent to the galley, and fill with a hose or a bucket, until the water

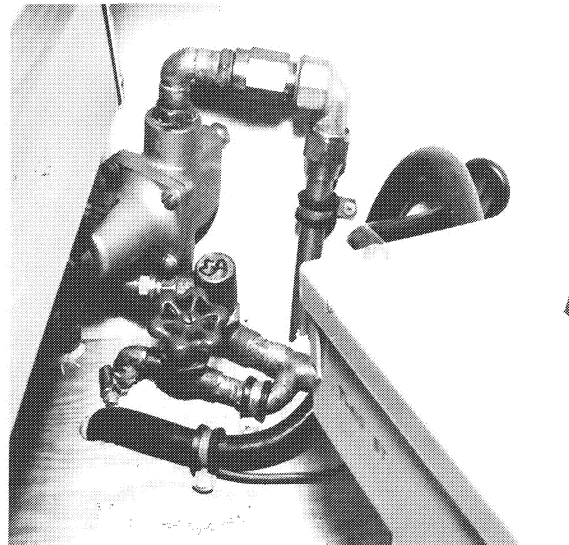
supply pipe is overflowing. Close and lock the spout and the water system is ready to use.

To clean the tank, pour some bicarbonate of soda into the filler spout with several gallons of water and allow to stand for a minimum of four hours. Then flush the tank out by opening a faucet, allowing the water pump to drain the system. Then refill with fresh drinking water. If the water tank must be cleaned further, the following procedure is recommended.

1. Prepare a sodium hypochlorite solution using potable water and household bleach (5¼ or 6%) in the ratio of 1/4 cup of bleach to 1 gallon of water. (Common household bleaches are Purex and Chlor-ox.)
2. Pour 1 gallon of hypochlorite solution for each 15 gallons of capacity into the empty water tank.
3. Add enough fresh drinking water to com-



Water Drain Valve (Int'l. Rear Bath)



Water Drain Valve (Int'l. Center Bath)

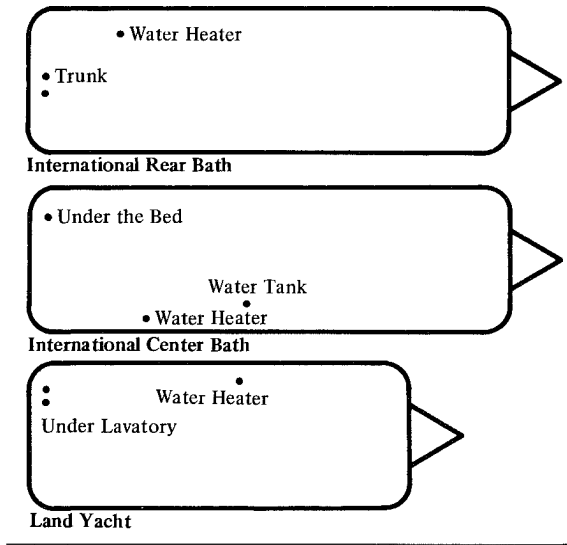
- pletely fill the water system.
4. Allow closed system to stand for three hours.
5. Drain the hypochlorite solution from the system and refill with potable water.
6. Excessive hypochlorite taste or odor remaining in the water system is removed by rinsing the system with a vinegar solution mixed in the ratio of 1 quart of vinegar to 5 gallons of water.
7. Drain the system and flush with fresh drinking water.
8. Drain the system and refill with fresh drinking water.

The Everpure QC-2 Water Purifier is located under the galley sink. It will remove all dirt and colloidal matter and eliminate most chlorine, phenol and similar odors and tastes while delivering sparkling taste-free water for drinking and cooking. The filter is connected to the cold water galley drinking faucet only. The

purifier is not guaranteed to remove the tastes and odors of iron and sulfur. To remove these tastes, chlorinate the water supply. Super chlorination will precipitate dissolved iron, and the purifier will then remove them. To purify any questionable water add 1 tsp. of chlorine (ordinary household bleach) per 10 gallons of water to the water tank (i.e. 4½ tsp. for a 45 gallon tank). The quality of the water never varies even at the end of the filter pack life, however as the minute pores slowly fill up with impurities, this will gradually reduce the rate of flow until it is necessary to change the filter. Instructions are in each box and we advise buying two cartridges at a time, always keeping one in reserve.

#### To remove used cartridge:

1. Shut off water by lifting valve handle. Move counterclockwise as far as possible.
2. Turn colored ring all the way to the left. Ring will drop about 1/2".



• Drain Valve Locations

3. Lift cartridge slightly and turn it further to the left until it can be disengaged.
4. Lower cartridge to disengage it from ring. Discard used cartridge.

#### To install new cartridge:

1. With colored ring in lowered position (turned all the way to the left), orient lug on cartridge with cutout under label on ring.
2. Insert cartridge straight up into ring as far as it will go. Holding colored ring steady, turn cartridge as far to the right as possible.
3. Then turn colored ring far to right to drive cartridge up into head.
4. To lock ring in place and turn water on, move valve handle down. Be sure handle leg engages ring locking-lug.

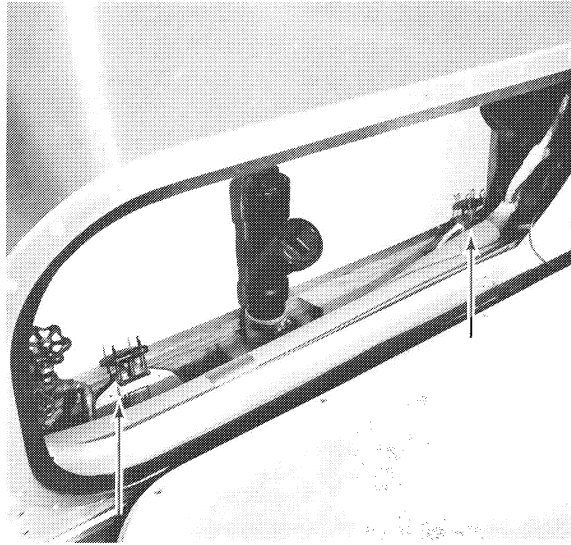
Additional information on the Water System is available in the Airstream Service Manual.

# Drain and Waste System

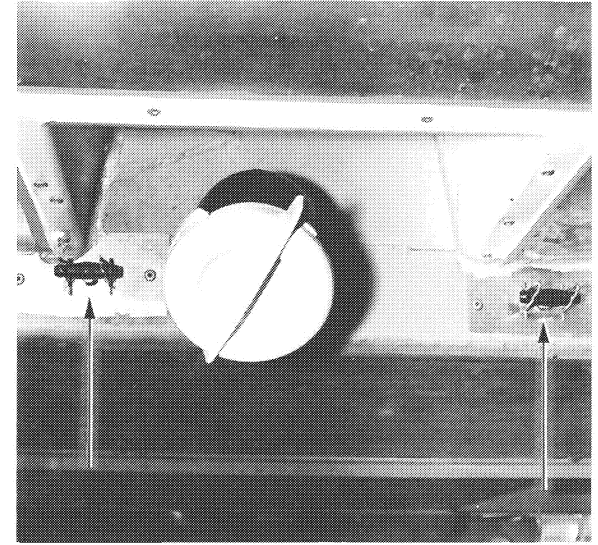
Your Airstream has a drain and waste system. The system includes waste holding tanks made from molded plastic, free from corrosion problems, with trouble free dump valves. The main holding tank enables you to use the toilet for several days away from disposal facilities. On models equipped with the auxiliary holding tank the waste water from the sink, shower, bath and lavatory drain into the tank. Each tank has its own dump valve, however both tanks drain through a common outlet. Therefore you need to make only one connection when hooking up in a trailer park with sewer facilities.

When the toilet will no longer drain, the main holding tank is full and must be emptied. Watch this closely, because when the tank is full, sewage cannot be emptied from the toilet bowl. In models with a central control panel, check the main holding tank gauge. The auxiliary holding tank must be emptied when the gauge on the central control panel indicates full.

On International rear bath models the dump valves are located in the rear trunk compartment. The main holding tank dump valve is located on the roadside and the auxiliary holding tank dump valve is located on the curbside (see photo). On International center bath models the dump valves are located on the roadside, just behind the rear wheels, on



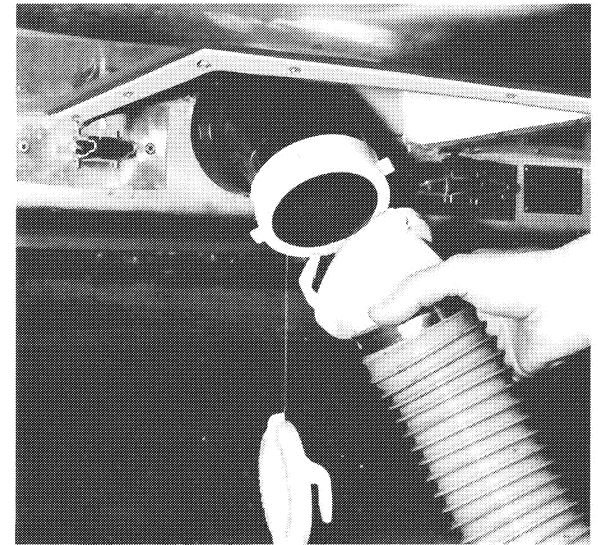
*International Rear Bath Dump Valves*



*International Center Bath Dump Valves*



*International Rear Bath Sewage Outlet*



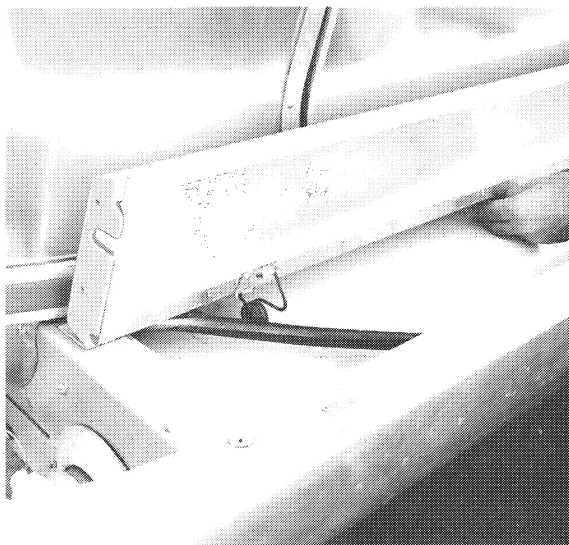
*International Center Bath Sewage Outlet*

the main frame rail. The main holding tank dump valve is located to the rear of the sewage outlet and the auxiliary holding tank dump valve is located forward of the sewage outlet (see photo). On Land Yacht models the main holding tank dump valve is located in the rear bumper storage compartment (see photo), and the auxiliary holding tank dump valve is located next to the sewage outlet on the roadside main frame rail just forward of the bumper (see photo).

To empty one or both tanks attach the sewer hose by pressing the bayonet fitting onto the dump valve outlet and rotate clockwise until it feels solid and secure. Attach the outlet end of the hose to the sewage outlet, making sure that the hose is placed so that it will drain completely. The dump valves have two wire loops that lock the handle in the closed position. To unlock push outward on the wire loops and they will snap loose, permitting you to open the valve. Pull up the dump valve handle as far as it will go and wait until the tank is drained. When dumping, the main holding tank should be dumped first; then the auxiliary holding tank. This will help to rinse out the sewer line with auxiliary holding tank water.

The main holding tank must be flushed out until all paper and waste material is removed. Close the dump valve and refill the tank with 5 to 10 gallons of clean water and repeat until clean.

On International rear bath models, a convenient fitting for flushing the holding tank is in the center of the rear trunk compartment.



*Land Yacht Dump Valve – Main Holding Tank*



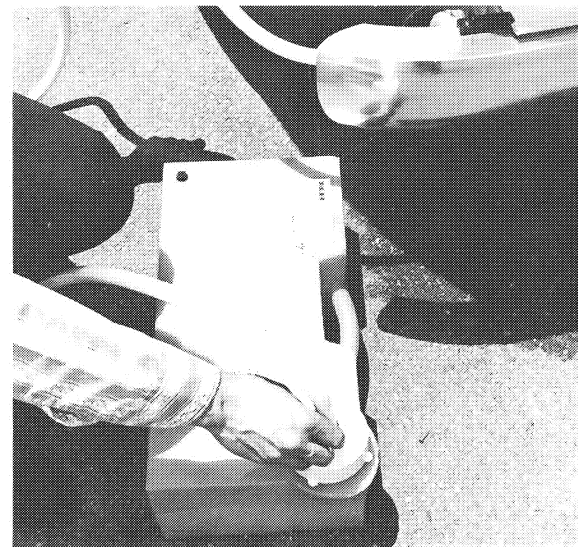
*Land Yacht Dump Valve – Auxiliary Holding Tank*

Replace the plug after using the fitting. The sewer hose is stored in the rear bumper compartment. Rinse out the sewer line before storing.

When in a park and connected to a sewer



*Land Yacht Sewage Outlet*



*Portable Auxiliary Holding Tank*

outlet, keep the main holding tank dump valve closed and empty the tank every few days or whenever it becomes almost full. Only by sending a large volume of liquid through the main holding tank at a time will toilet paper and other solids completely wash away.

This practice will avoid the accumulation of solids in the main holding tank which could lead to an unpleasant cleaning job. Should solids accumulate and close the dump valve, fill the tank about half full with water; then tow the trailer for a few miles. The turbulence and surging of the water will usually dissolve the solids into suspension so the tank can be drained. If your trailer is equipped with the auxiliary holding tank, keep the tank valve open when connected to a sewer outlet.

**The Aqua Magic toilet** employs a sliding self-cleaning positive seal blade. Odors cannot escape from the holding tank into the trailer. The unit uses less than 2 quarts of water for automatic flush. A special feature is the second pedal attached to the main foot pedal which, when pressed by itself, allows fresh water through either the fill rim or hand spray without opening the slide valve.

**When conserving water**, use the hand spray in the following way:

1. Hold the hand spray in ready position over bowl.
2. Depress thumb button and step on the foot pedal, which sprays water and dumps the contents at the same time.
3. Spray bowl clean.
4. Release foot pedal, shutting off water flow.
5. If you wish to refill bowl with water for next use, depress small foot pedal till water reaches desired level.

**When using automatic flush:**

1. Step on main foot pedal, and this will automatically open the slide valve and

drop the waste into holding tank.

2. Hold pedal down until water begins to swirl. This fills rim storage and rinses the bowl.
3. Release the foot pedal. This will close the valve blade and stop fresh water from flowing. The bowl will refill automatically.

**If you are certain to empty your holding tank every few days**, you can use the toilet on automatic flush. It uses very little water and the tank will provide for the requirements of two adults from 2 to 4 days.

**Whenever water is scarce**, the hand spray flush makes it possible to stay a week or longer in areas where you cannot empty the holding tank. In flushing for urine only, first, wet the bowl with fresh water, and again after use. Starting with a dry bowl takes more water for the final rinse. To flush for urine and solid matter: spray just enough water in the dry bowl to provide for floating the paper and solids. After use, rinse down the sides with the hand spray and empty the bowl. Hold the slide valve open and spray and rinse the lower surfaces. Even if it appears clean, quickly spray it one more time, then release the pedal and it is ready for the next use.

**There are certain items that should never be put into the toilet or tank.** Facial and other similar tissues: because they have wet strength and do not dissolve easily. Toilet paper, especially white, dissolves well after a period of traveling.

Use only trailer sewage tank deodorizers. Antifreeze, ammonias, alcohols and acetones

may cause damage to the tank, valve parts, tank fittings, and drain hose. **For protection against freezing**, use recommended fluids (see Winterizing, page 43).

Some state and federal parks prohibit draining sink and bath waters into the ground, although this is done in the wilderness. Your auxiliary holding tank will hold this water until you are at a dump area. On trailers without an auxiliary holding tank, we suggest you use a pail under the drain outlet and discard the waste in a public bathroom.

Some states will not allow the dumping of dish water and wash water into open buckets. In these states (Oregon and Ohio) **the portable auxiliary holding tank**, available through the Wally Byam Stores, should be used. This is not required if your trailer is equipped with an auxiliary holding tank.

**Be sure to keep your dump valve closed while using this tank.** Attach the 1/2" x 5' hose from the portable auxiliary holding tank to the special fitting on the drain (this fitting available at Wally Byam Stores).

**Note: Water conservation must be practiced as this tank will fill rapidly.** When tank is filled it may be emptied into any dump area.

Additional information on the Drain and Waste System is available in the Airstream Service Manual.

# Electrical System

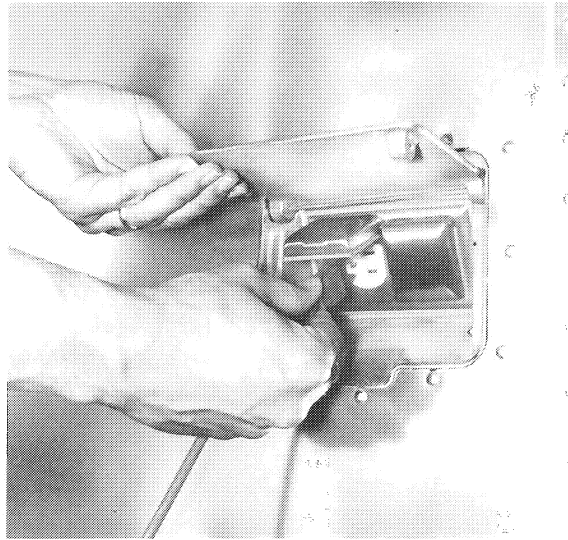
The exclusive **Airstream Univolt System** enables you to use the lights and appliances whether operating on self-contained battery power or hooked up to 120 volt city power. This combination unit is designed for protection from damage up to and including a dead short. The 12 volt light bulbs give off the same light as regular household bulbs, so that when operating on self-contained battery power, everything works normally except the 120 volt convenience outlets and electrical operation of the refrigerator.

**Convenience Outlets for 120 volts and 12 volts** are located throughout the interior of the trailer, see diagrams page 72.

Exterior outlets for 120 V are located on the curbside exterior wall, aft of the main door.

**When operating with city power**, make very certain that the service is 120 volt and not 220 volt. Open the bumper storage compartment lid, uncoil only the needed amount of cord and plug it into the city power source. Before closing the lid, carefully place the cord in the opening provided for it on the left side of the lid.

The univolt system has a new transformer designed to maintain constant output voltages regardless of the variances that occur in city power systems. The transformer design eliminates the need for complex electronic sensing systems to charge the battery, minimizing the possibility of failures and greatly increasing its

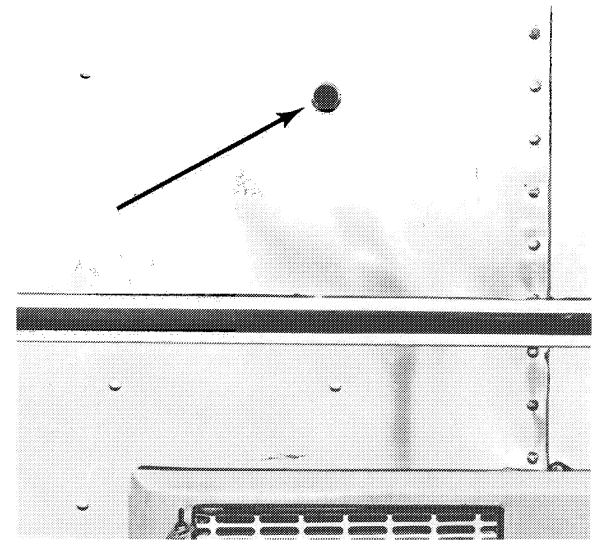


*120 Volt Exterior Outlet*

overall reliability.

**When the three pronged plug can be used, there will be no problem with proper polarity or grounding.** In some older parks and other locations where three pronged outlets are not available, **certain precautions to insure proper grounding and polarity must be taken:**

1. Attach the three pronged plug to a two prong adapter. The third conductor line of this adapter has a short wire lead which must be grounded.
2. For proper grounding connect the ground lead to a grounded outlet box or to a cold water pipe. When no water pipe is available, experienced trailering people will drive a metal rod two feet into the ground and attach the ground lug to it thus providing the unit with proper grounding.
3. Check the polarity light located above the water heater access panel in International



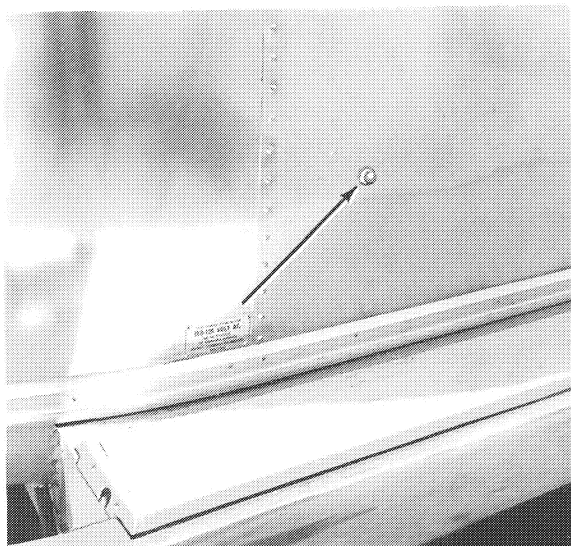
*International Polarity Warning Light*

models and to the roadside of the license plate on Land Yacht models. If it is on, pull the plug, turn it over and reinsert. The light will now be out.

**The polarity warning light** indicates improper polarity and it should be off when the power supply cable is used with a two pronged adapter. It may occasionally glow when the three wire system is in use, but your trailer is properly grounded, and in this case you may ignore the light.

**To operate self-contained**, simply disconnect the power supply cable from the city power receptacle. Store the supply cable in the hose storage compartment.

When your Airstream is hooked up to 120 volt A.C. the **Univolt System** automatically **charges the trailer battery** and, if it is hooked up, your automobile battery as well. The

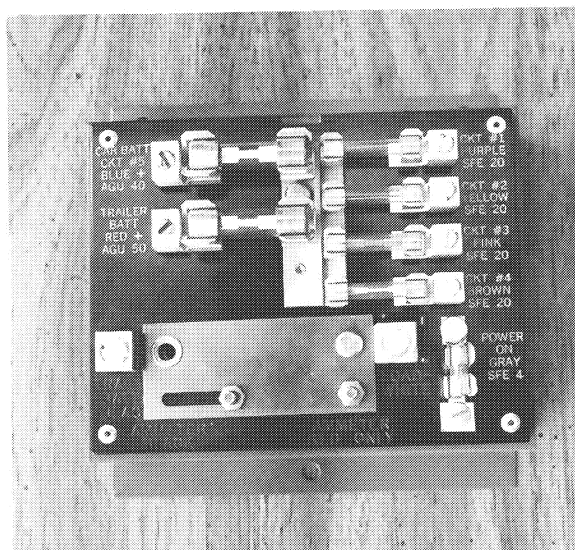


*Land Yacht Polarity Warning Light*

speed and degree of charge depends on how much power is used for lights and appliances, as only the surplus goes to charging the battery. (Please refer to the specifications section for more information on power consumption.) If you are making an extended stay or storing your Airstream, then you should (if it is available) **keep your trailer hooked up to 120 volt current.**

**Whenever possible, use the automatic built-in charger of the Univolt System for charging.** The charging circuit automatically controls the current, reducing it as the battery increases in charge. At service stations, make certain they give your battery a slow charge because quick charges will drastically shorten the life of the battery as will allowing repeated complete discharges.

The Univolt fuse panel is located under the galley area on all models except the 21 Ft.



*Univolt*

Land Yacht and is accessible through a sliding door.

On the 21 Ft. Land Yacht the Univolt fuse panel is located under the roadside double bed.

On International rear bath models the 120 volt circuit breaker panel is accessible in the bathroom cabinet to the right of the sink. On International center bath models it is located in the rear of the roadside wardrobe.

On Land Yacht models, it is located in the curbside bathroom wardrobe. In the event of failure of a 120 volt circuit, check your circuit breaker first. While you are connected to the 120 volt receptacle, the wiring is protected by circuit breakers in the breaker panel providing the polarity and grounding is correct. If a breaker continues to trip after you have reset it several times, your circuit

may be overloaded with appliances or there may be a short in the circuit. If lessening the load does not solve the problem consult an Airstream Service Center or the factory.

The Univolt System and the Central Control Panel are provided with a series of fuses (see illustrations page 84) for the safety of you and your unit. Trouble with the electrical system is extremely unlikely, but if it should occur we recommend that you contact your nearest Certified Service Center for repairs. We have included a trouble shooting chart to be used in emergencies only. Details of electric motor amperage, light bulb size, and fuse and circuit breaker locations are shown on the chart in the specifications section on pages 86-87.

When being towed, the 12 volt battery in your Airstream is receiving a constant charge from the car's generator or alternator through the **Seven Way Connector**. The charge rate is controlled by your automobile's voltage regulator. It is important to keep the seven way connector clean: one method is to use "Spra-Kleen."

Additional information on the Electrical System is available in the Airstream Service Manual.

# Battery

A normal battery will discharge by itself in 30 to 45 days, therefore, it is necessary to periodically check the battery and charge it as is necessary. We suggest checking the battery at least every two weeks in freezing weather. A fully charged battery will not freeze under any normal circumstances, therefore, it is imperative that you keep your battery charged during the winter. A safe level of charge is a specific gravity reading of 1.225. A fully charged battery has a specific gravity of 1.250 to 1.280. Always use a hydrometer which has a temperature correction scale.

**Maintain a clean battery top and check terminals and cables for tightness and cleanliness.** A dirty battery will dissipate its charge through surface contamination. Clean battery top with a damp cloth and dry thoroughly.

The terminals should be tight and free of corrosion. To clean terminals, neutralize with a solution of baking soda, rinse in clear water, and dry.

To insure maximum battery capacity on both charge and discharge, the battery terminals and the inside portion of the cable connector should be scraped or brushed until both of these surfaces are shiny bright. The cable connectors should then be reconnected to the battery and tightened. The complete assembly, battery post and cable connector should be coated with a heavy bodied mineral grease or petroleum.

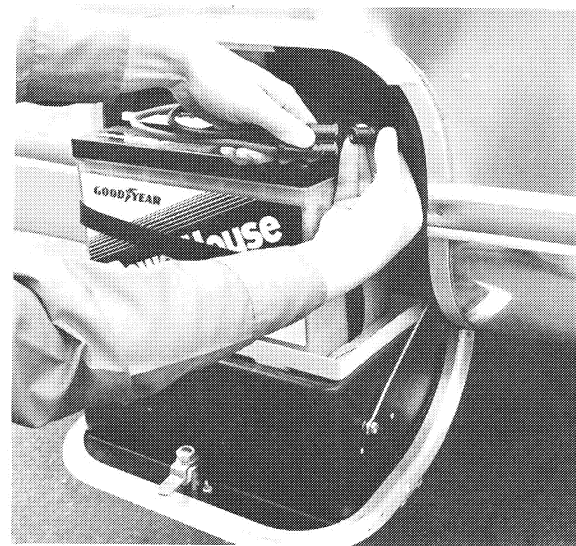
**Important:** Reconnect the battery cables to the correct battery posts. For example, if negative ground the black cable should be connected to the negative ( - ) post and the red cable to the ( + ) post. The polarity may be determined by inspecting the battery post which is grounded on the tow vehicle, since it must always match the trailer. For example, if negative pole of the tow vehicle is grounded, the polarity of the trailer battery is negative ground.

**Add water to cells as necessary.** Check the electrolyte level at least once a month. When you are traveling steadily and for an extended period of time, or you are in climates above 90°F check the electrolyte level every two weeks.

**Caution:** The gases generated within a storage battery cell may be ignited by an open flame or spark in the vicinity of the battery. Do not use a match to provide light for checking the level of water.

During the winter the battery should be removed from the Airstream and stored in a cool, dry place, kept full of water, cleaned and charged monthly. A battery which is allowed to completely lose its charge will never regain its original power, or a full charge.

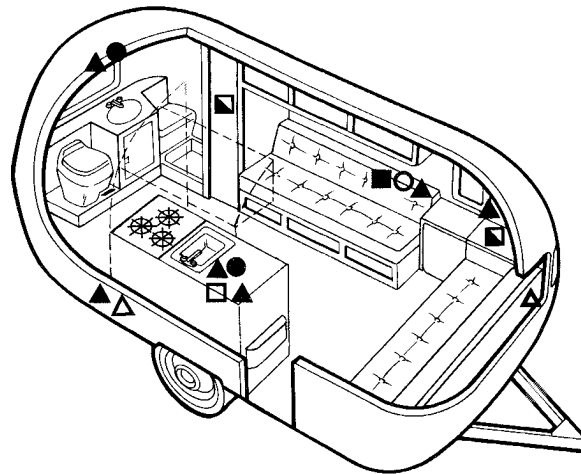
The battery is located in an exterior curbside compartment. It slides out onto the opened door for service and removal. For removal it is not necessary to remove cables from battery terminals, just pull quick disconnects apart (see photo).



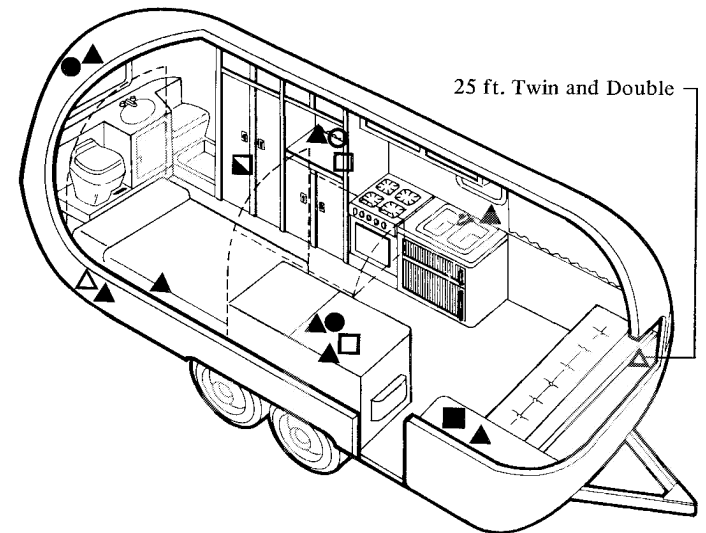
*Battery Cable Quick Disconnects*

For battery service or replacement, go to any service station or dealer who sells and services this battery. The battery is rated for 105 amp. hours at 80°F and has a 5 year prorated warranty.

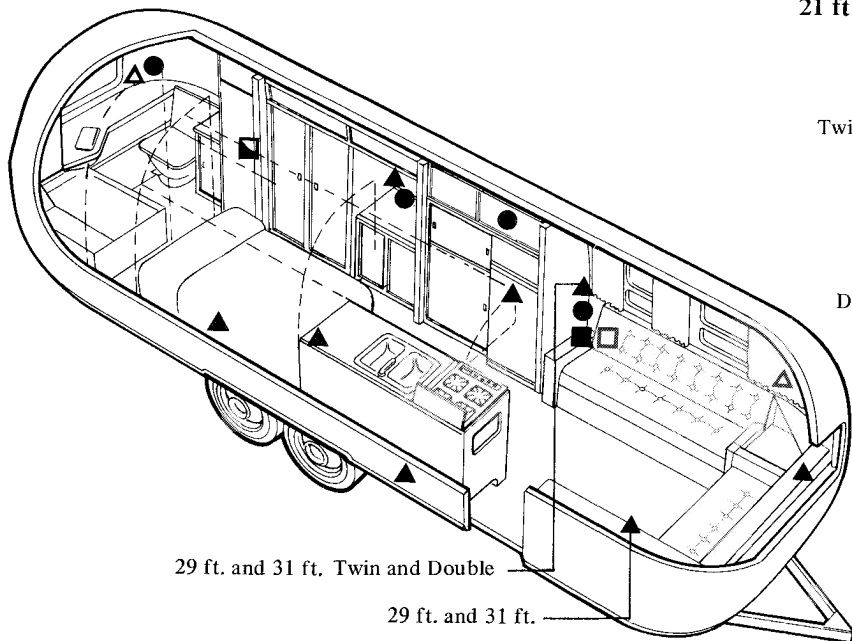
# Electrical Outlet Locations



21 ft.

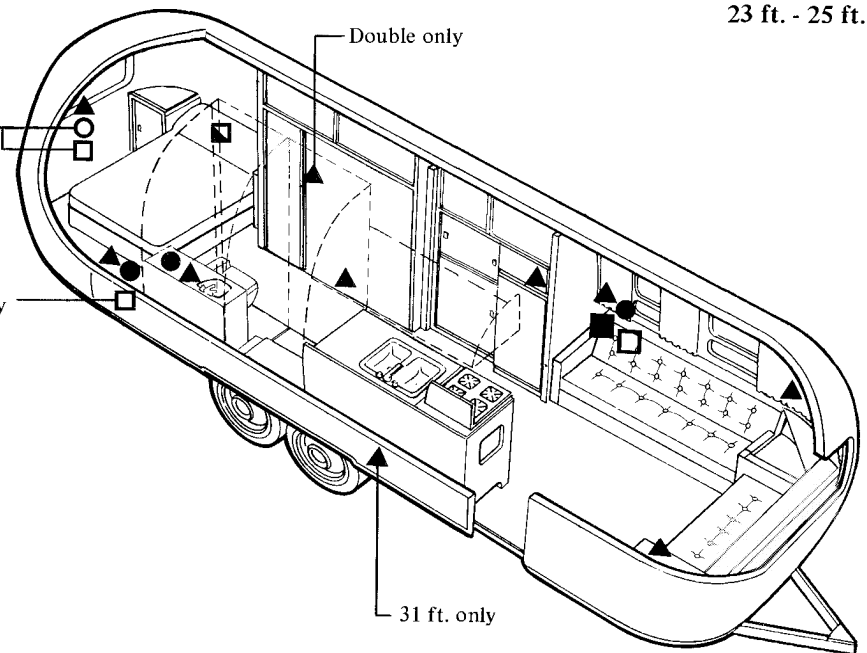


25 ft. Twin and Double



29 ft. and 31 ft. Twin and Double

29 ft. and 31 ft.



23 ft. - 25 ft.

Twin only

Double only

Double only

31 ft. only

27 ft. - 29 ft. - 31 ft. Rear Bath

27 ft.- 29 ft. - 31 ft. Center Bath

▲ 120V (standard)

△ 120V (optional)

■ Telephone Jack (optional)

□ T.V. Jack (optional)

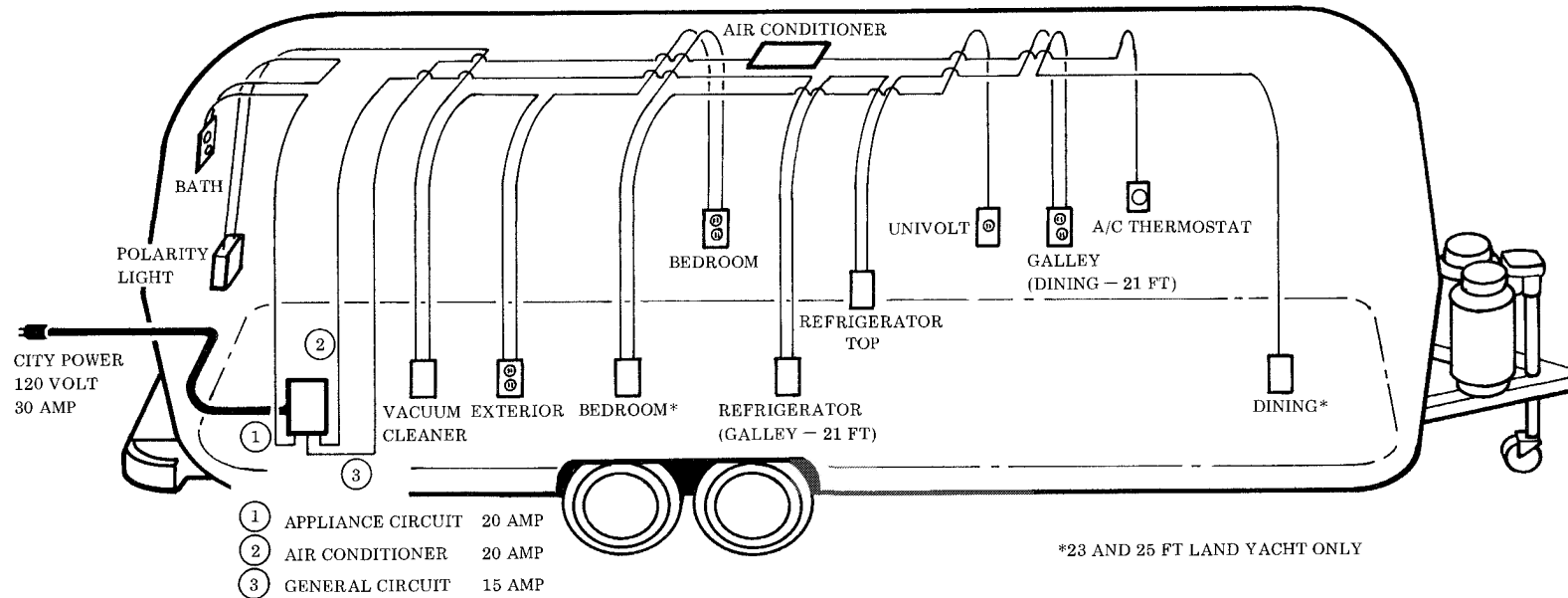
● 12V (standard)

○ 12V (optional)

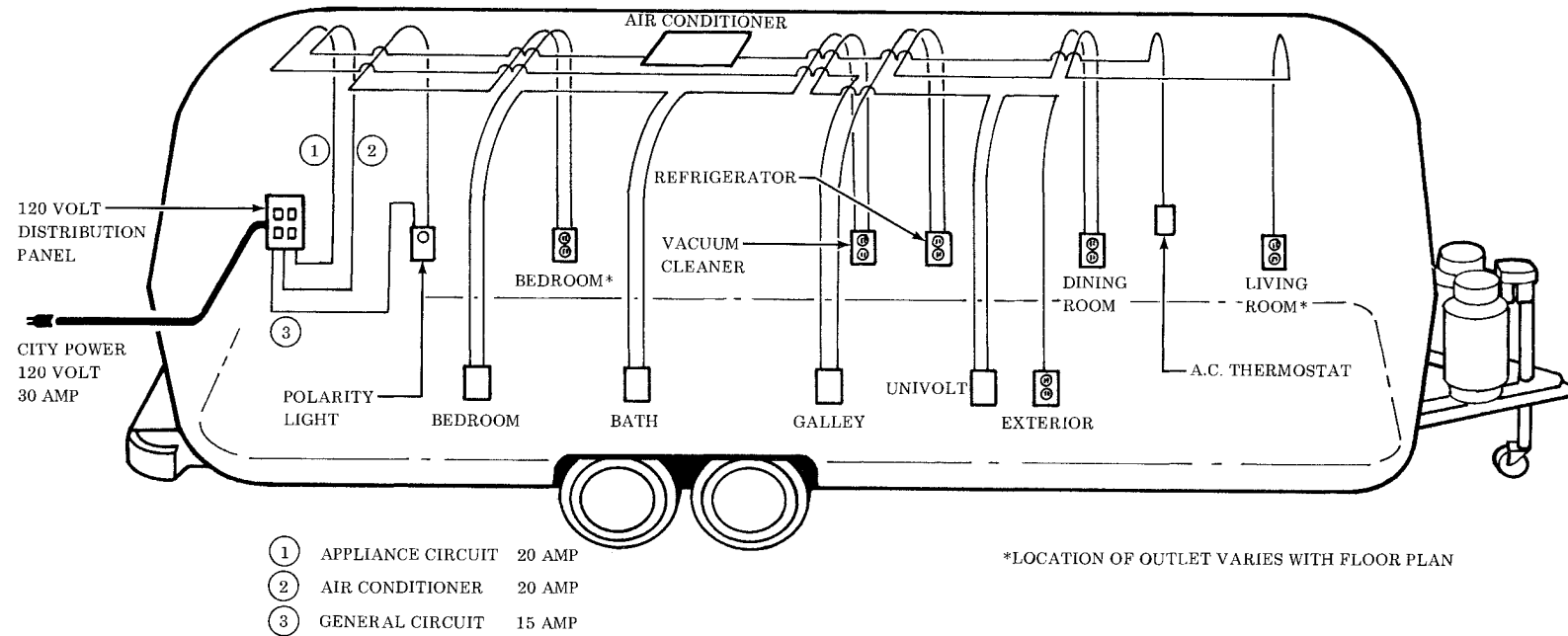
◼ Telephone Inlet (optional)

# Electrical Wiring Diagrams

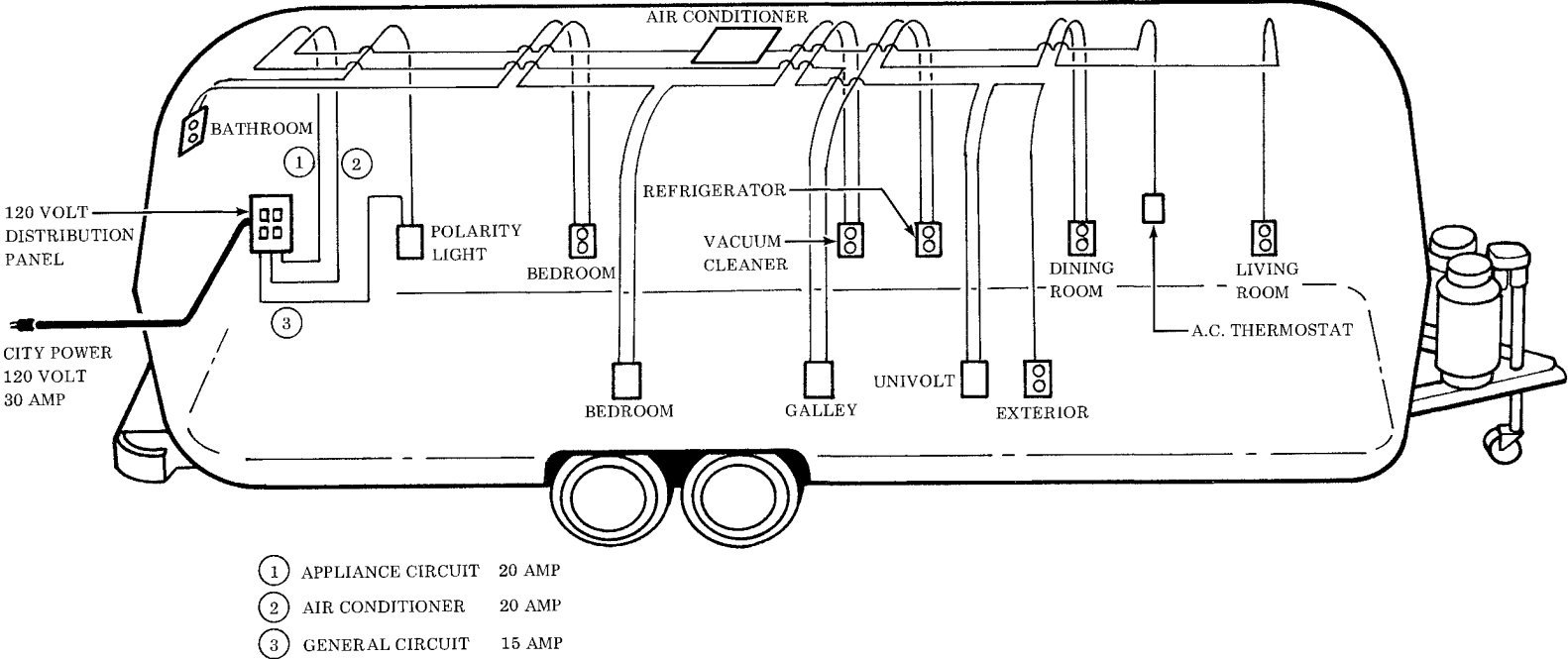
## 120 Volt Distribution System — Land Yacht



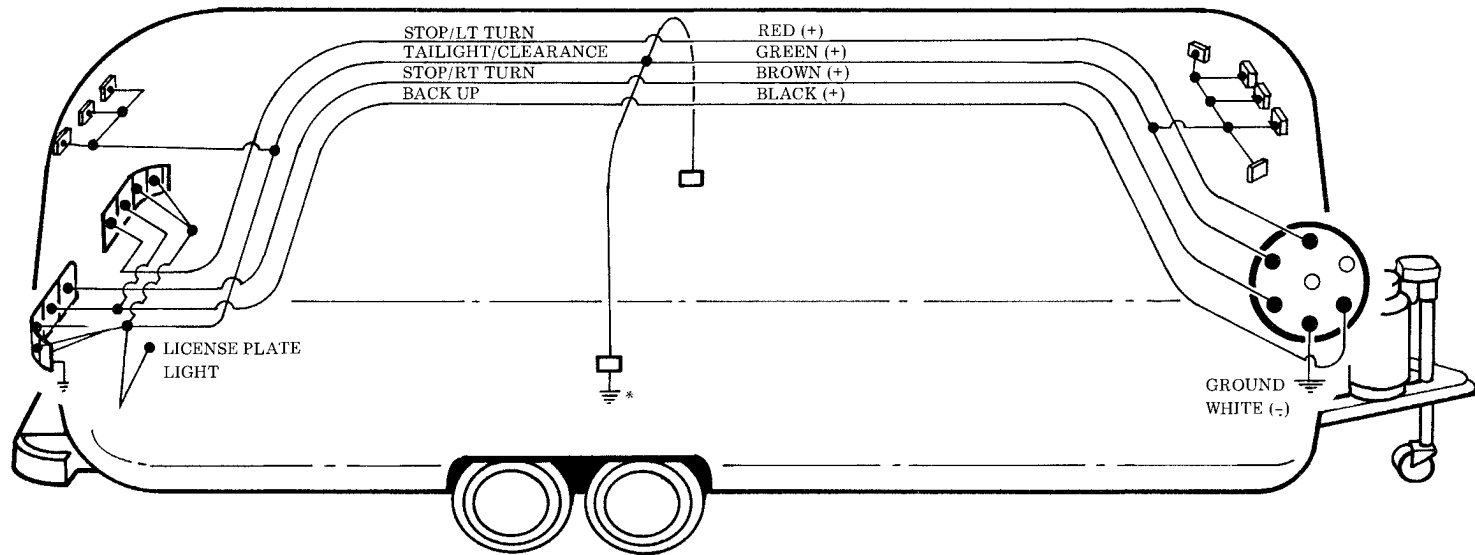
## 120 Volt Distribution System – International Center Bath



120 Volt Distribution System — International Rear Bath



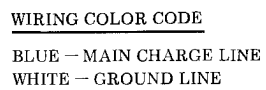
## 12 Volt Exterior



### WIRING COLOR CODE

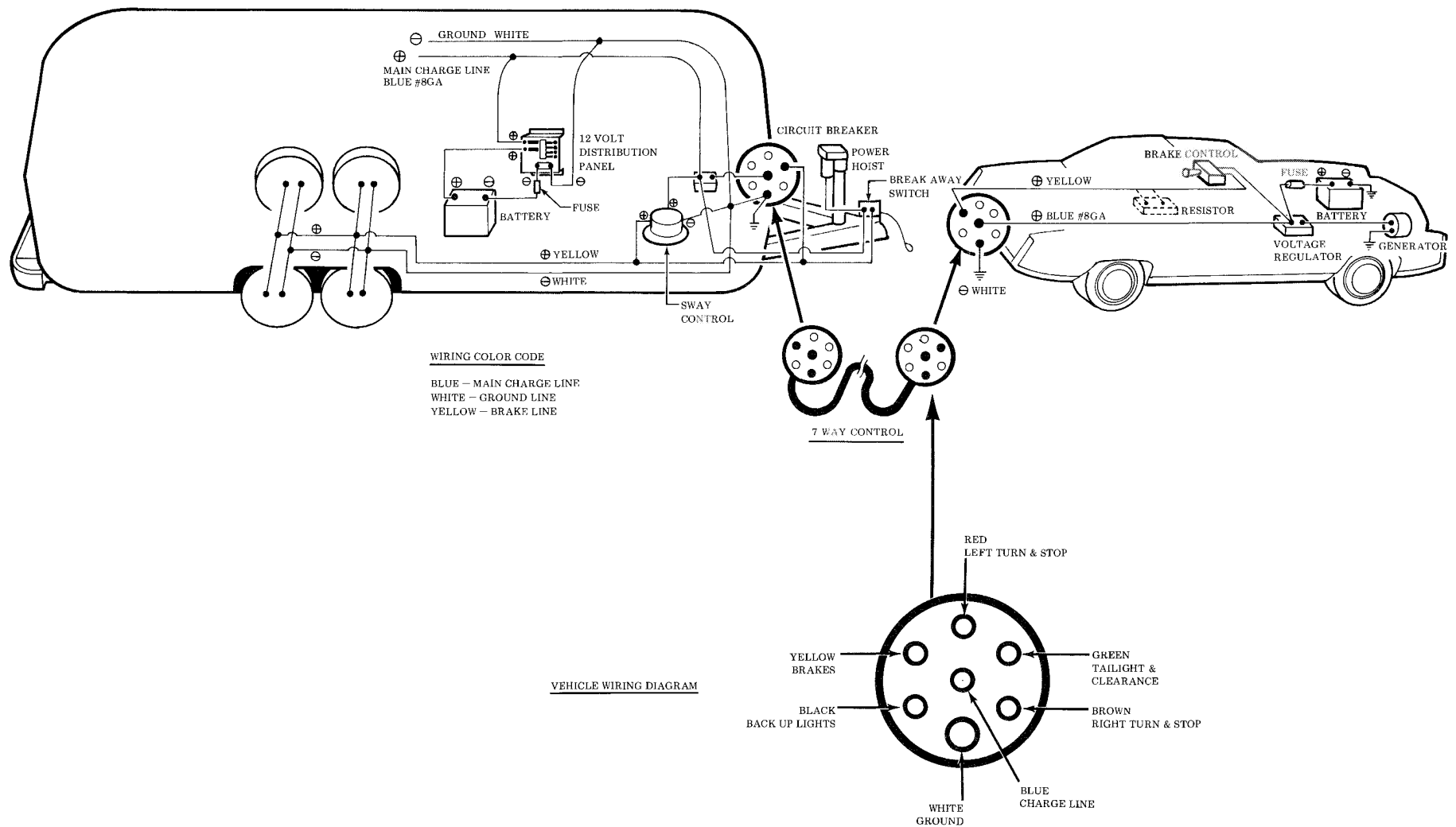
RED — STOP/LEFT TURN  
GREEN — TAILLIGHT/CLEARANCE  
BROWN — STOP/RIGHT TURN  
BLACK — BACK UP  
WHITE — GROUND

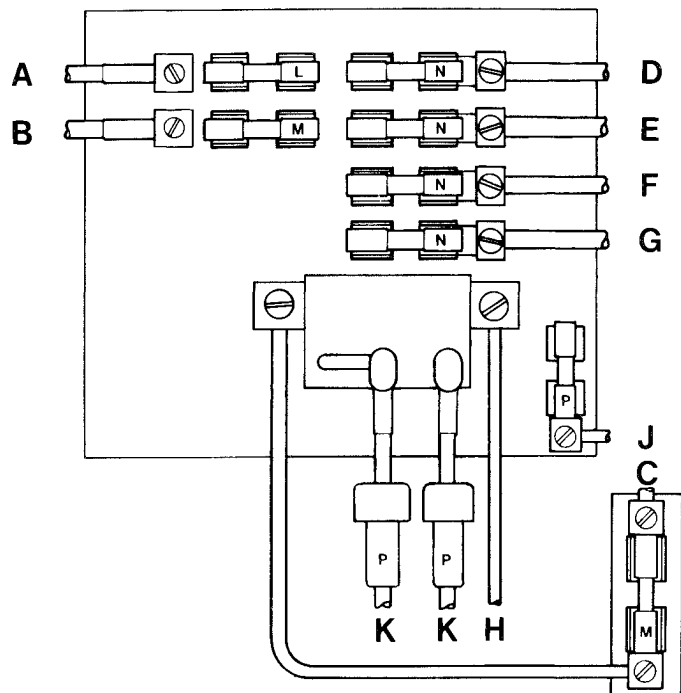
\*ALL LAMP ASSEMBLIES ARE  
GROUNDED TO EXTERIOR SKIN



\*UNIVOLT CONVERTS 120 VOLTS AC TO 12 VOLTS DC

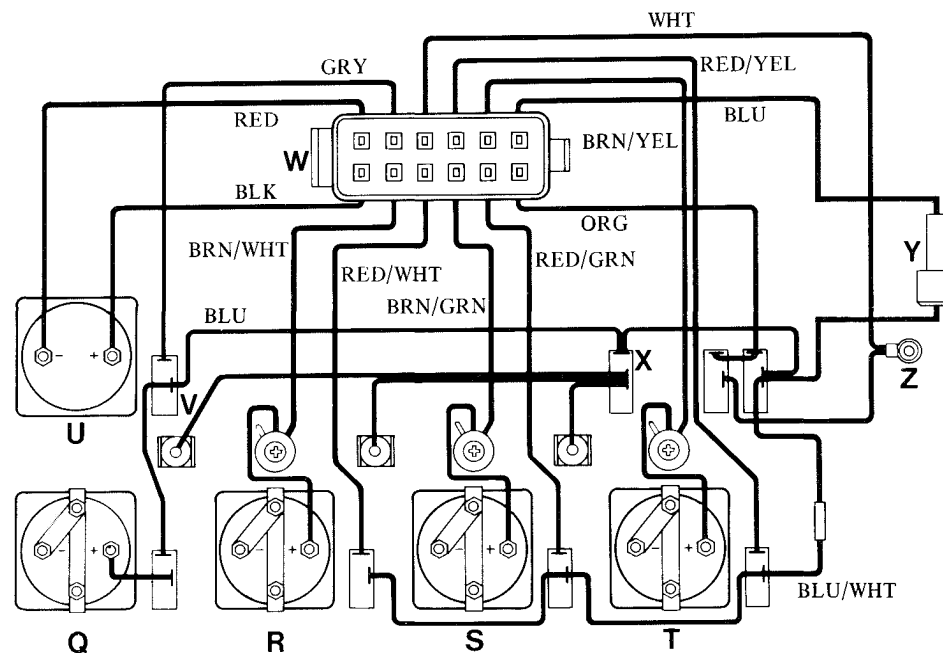
## Main Charge Circuit and Brake Circuit





Low Voltage Distribution Panel

A — Car Battery (pos) &  
Circuit #5  
B — Trailer Battery + (pos)  
C — Trailer Battery - (neg)  
D — Circuit #1  
E — Circuit #2  
F — Circuit #3  
G — Circuit #4  
H — Negative Load  
J — Power-On-Light  
K — Ammeter  
L — AGU 40 - amp - Fuse  
M — AGU 50 - amp - Fuse  
N — SFE 20 - amp - Fuse  
P — SFE 4 - amp - Fuse



Central Control Panel

Q — Battery  
R — Water Tank  
S — Auxiliary Holding Tank  
T — Main Holding Tank  
U — Ammeter  
V — Power On Light  
W — Connector  
X — Panel Light  
Y — Fuse  
Z — Ground to Panel

# Electrical Trouble Shooting

Additional electrical trouble shooting information is available in the Airstream Service Manual.

Symptom	Possible Cause	Remedy
No 12-volt power (Lights, appliances do not work)	<ol style="list-style-type: none"> <li>1. Input line and/or battery not connected</li> <li>2. Discharged trailer battery</li> <li>3. Trailer battery on wrong polarity</li> </ol>	<ol style="list-style-type: none"> <li>1. Make necessary connections</li> <li>2. Charge battery</li> <li>3. See Item 6</li> </ol>
Blown fuse	<ol style="list-style-type: none"> <li>4. Overloaded circuit (over 50 amps)</li> <li>5. Electrical short</li> <li>6. Shorted battery</li> <li>7. Battery terminals not properly corrected to UNIVOLT + and - terminals</li> </ol>	<ol style="list-style-type: none"> <li>4. Turn off switches to reduce load. Replace blown fuse in Univolt or next to Univolt.</li> <li>5. Find blown fuse in Univolt and identify circuit. From wiring diagrams check the circuit for defective wiring, lamps or motors.</li> <li>6. Replace battery and fuse</li> <li>7. Make proper connections; replace fuse</li> </ol>
Dim lights or sluggish fan motor	<ol style="list-style-type: none"> <li>8. 25- or 50-cycle power (some foreign countries)</li> <li>9. Discharged battery (when operating without 120-volt line)</li> <li>10. Battery is low on water</li> </ol>	<ol style="list-style-type: none"> <li>8. Use 60-cycle power</li> <li>9. Charge battery</li> <li>10. Add distilled water to battery</li> </ol>
UNIVOLT will not charge battery	<ol style="list-style-type: none"> <li>11. Input line not connected</li> <li>12. Battery not connected (or polarity reversed)</li> <li>13. Bad battery</li> <li>14. Too many lights and appliances in use</li> <li>15. Fuse blown</li> </ol>	<ol style="list-style-type: none"> <li>11. Connect input line</li> <li>12. Connect battery to UNIVOLT</li> <li>13. Replace battery</li> <li>14. Reduce electrical load</li> <li>15. Replace fuse</li> </ol>

# Specifications

## Capacities

Appliance	Capacity
Main Holding Tank (Int'l Rear Bath)	20 gal.
Main Holding Tank (Int'l Center Bath)	23 gal.
Auxiliary Holding Tank (Int'l Rear Bath)	14 gal.
Auxiliary Holding Tank (Int'l Center Bath)	16 gal.
Main Holding Tank (L.Y.)	13 gal.
Auxiliary Holding Tank (L.Y.)	10 gal.
Water Tank (Int'l & L.Y.)	50 gal.
Water Heater 27 ft. thru 31 ft. (Int'l)	10 gal.
Water Heater 21 ft. thru 25 ft. (L.Y.)	6 gal.

## Light and Appliance Amperages

Item	Lamp Number	Amperage
Control Panel Light	53X	.1
Water Pump	—	9.9 max.
Ceiling Fan	—	4.8
Bathroom Exhaust Fan	—	2.0
Range Exhaust Fan	—	2.0
Furnace Fan	—	5.0
Toilet Exhaust Fan	—	2.0
Reading Lights:		
Living Room	1383	1.6 each bulb
Bedroom	1141	1.6 each bulb
Main Door Light	1141	1.6
Exterior Light	1156	
Ceiling Light (6 Bulbs):		
Living Room, Galley	1141F	1.6 each bulb
Bedroom, Bathroom	1141F	1.6 each bulb
Galley and Vanity Lights		
under Roof Locker	1141	1.6 each bulb
Trunk Lights:		
Service Center, Trunk	67	.6 each bulb
Clearance & Cluster Lights	1895	
Stop & Turn Signal	1156	
Tail Light	1157	
License Plate Light	89	
Backup Lights	1156	
Battery		105 amp hrs. at 80°F.
Fluorescent Lights	F15T8WW	

---

**Fuses and Circuit Breakers**

Circuit	Location	Rating
Main Breaker	120 volt panel	30 amp
General Circuit	120 volt panel	15 amp
Appliance Circuit	120 volt panel	20 amp
Air Conditioner	120 volt panel	20 amp
Charge Line from Car	Univolt	AGU 40 amp fuse
Low Voltage Circuits	Univolt	SFE 20 amp fuse
Trailer Battery Fuse (+)	Univolt	AGU 50 amp fuse
Trailer Battery Fuse (—)	Nxt. to Univolt	AGU 50 amp fuse
Power On Circuit	Univolt	SFE 4 amp fuse
Ammeter	Nxt. to Univolt	SFE 4 amp fuse
Central Control Panel	Main Cen. Ctrl. Pnl.	AGC 15 amp fuse
Radio, Radio/Tape	Radio, Radio/Tape	IAG 5 amp fuse
Water Pump	Water Pump	6¼ SLO-BLO

# Pre-Travel Check List

Interior	Exterior	Home
<ol style="list-style-type: none"><li>1. Turn off water pump switch.</li><li>2. Check battery water level.</li><li>3. Close windows and vents.</li><li>4. Turn off Gas to Range &amp; Oven.</li><li>5. Lock all interior cabinet doors.</li><li>6. Lock refrigerator door (Seal containers first.)</li><li>7. Hold down or stack securely all loose, hard and sharp objects.</li><li>8. Fasten sliding &amp; foldette doors.</li><li>9. Drain toilet bowl.</li><li>10. Turn off interior lights.</li><li>11. Secure and lock the Main door.</li><li>12. Pull up step.</li></ol>	<ol style="list-style-type: none"><li>1. Disconnect and stow:<ol style="list-style-type: none"><li>a) electrical hook-up cord</li><li>b) sewer-hose hook-up hose. (flush out)</li><li>c) water hook-up hose.</li></ol></li><li>2. Turn off gas line shut-off valve to appliances.</li><li>3. Remove and stow leveling jacks and wheel chocks.</li><li>4. Check hitch: it must be properly attached.</li><li>5. Check safety chains and breakaway switch cable.</li><li>6. Fully retract jack. Remove and stow dolly wheel.</li><li>7. Check clearance and stop lights.</li><li>8. Check lug bolts.</li><li>9. Check tires, for correct pressure see page 32.</li><li>10. Check that TV antenna is pointed forward and dipoles closed.</li><li>11. Adjust car mirrors.</li><li>12. Pull forward some 50 ft., test brakes, and check site for forgotten objects and cleanliness.</li></ol>	<ol style="list-style-type: none"><li>1. Leave key with your neighbor.</li><li>2. Store valuables and important papers in a safe place.</li><li>3. Discontinue newspaper, milk and other deliveries.</li><li>4. Ask the Post Office to hold your mail for you.</li><li>5. Arrange with the Telephone Company for discontinued or 'Vacation Service'.</li><li>6. Arrange care for your pets.</li><li>7. Have your lawn, garden and house plants cared for.</li><li>8. Lock all windows and doors securely. Keep shades open for a lived-in look.</li><li>9. Cover all food to keep out mice and insects.</li><li>10. Eliminate all fire hazards. Place matches in a tin box or glass jar.</li><li>11. Store oil, gasoline and other inflammables properly.</li><li>12. Destroy all newspapers, magazines and oily rags.</li><li>13. Notify police.</li></ol> <b>Personal</b> <ol style="list-style-type: none"><li>14. Automobile insurance to cover you and your family fully.</li><li>15. Avoid cash. Use travelers checks and credit cards.</li><li>16. Confirm reservations.</li><li>17. Have sunglasses for everyone.</li><li>18. Pack cameras and films.</li><li>19. Make a check list of clothing for everyone, and toilet articles.</li></ol>

---

## Motoring Essentials

1. Display car and trailer registration properly.
2. Carry driver's license. In Canada you will need a non-resident liability insurance card.
3. In Mexico you must have special auto insurance.
4. Carry an extra set of ignition and trunk keys in a separate pocket, or in your wallet.
5. Keep an operating flashlight with fresh batteries in the glove compartment.
6. Pack the trunk so that you can reach the tools and spare tire without completely unpacking.
7. Keep sharp or hard articles securely packed wherever they may be.
8. Do not pack things in the passenger sitting area, you need maximum space for comfort.
9. Wear easy-wash, drip-dry traveling clothes.
10. Do not make your vacation trips a mileage marathon! Stop and relax frequently.
11. Carry a first aid kit.
12. Carry your pet's dish, food, leash and health and registration papers.

# Lubrication and Maintenance

Your Airstream is without a doubt the finest engineered travel trailer ever to be mass-produced. Every design feature and component has been chosen with the thought in mind of giving you thousands of miles of trouble-free operation. By adhering to the following

minimum maintenance schedule and the additional exterior and interior maintenance suggestions you will enjoy all of the pleasure you dream of from your trailer . . . and more.

Item	Every 1,000 miles or 30 days	Every 5,000 miles or 90 days	Every 10,000 miles or 6 months	Procedure
All Exterior Door Locks	X			Lubricate by shooting in dry graphite.
Axle				None, except wheel bearings.
Battery	X			Check water level — fill with distilled water only.
Brakes			X	Inspect and adjust.
Break Away Switch		X		Pull pin and lubricate with drop of light household oil in groove at base of pin.
Entrance Door Hinges	X			Lubricate with light household oil.
Hitch Ball Latch	X			Lubricate 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).
LPG Hold Down Knob	X			Lubricate with light household oil.
Main Door Step	X			Lubricate moving parts.
Range Exhaust Hood				Clean fan blades and wash filter. See page 64.
Refrigerator Flue Cleaning		X		See page 61.
Roof Vent Elevator Screws	X			Lubricate with light household oil.
Strike Pocket on Main Door	X			Coat with paraffin.
T.V. Antenna	X			Lubricate exterior moving parts with silicon spray or WD 40
Tires	X			Check for foreign objects. Air pressure — page 32.
Water Pump		X		Check belt for wear and proper tension.
Wheel Bearings			X	Clean, repack, and adjust.
Wheel Lug Bolts		X*		Check for tightness.
Window Seals/Door Seals		X		Clean with mild detergent and coat with "Slipicone."
7-Way Plugs and Receptacle		X		Clean contacts and coat with "SPRA-KLEEN."

\*Note: On new trailers check lug bolts every 200 miles for the first 1,000 miles.

Note: If and when new materials and production techniques are developed which can improve the quality of its product, Airstream reserves the right to make such changes.

# Maintenance Record

[illegible]

# Index

Air Conditioner . . . . .	57	Extended Stay . . . . .	40	Overheating . . . . .	36	Tires . . . . .	30
Aluminum Shell . . . . .	46	Extension Step . . . . .	47	Overnight Stop . . . . .	39	Tire Pressures . . . . .	32
Ammeter . . . . .	55	Exterior . . . . .	46	Panel Switches . . . . .	54	Toilet . . . . .	73
Amperage Chart . . . . .	86	Factory Service . . . . .	4	Panel Gauges . . . . .	55	Towing Tips . . . . .	36
Automatic Gas Regulator . . . . .	60	Fan Switch . . . . .	57, 59	Pilot Adjustment:		Trailer Storage . . . . .	43
Axle . . . . .	20	Filter (Air Conditioner) . . . . .	57	Furnace . . . . .	66	Trouble Shooting:	
Backing . . . . .	38	Filter (Vacuum Cleaner) . . . . .	58	Oven . . . . .	64	Electrical . . . . .	85
Ball (Hitch) . . . . .	34	Filter (Water) . . . . .	70	Range . . . . .	64	Furnace . . . . .	66
Battery . . . . .	76	Flat Tires . . . . .	30	Refrigerator . . . . .	61	Range and Oven . . . . .	64
Battery Condition Tester . . . . .	55	Foldaway Step . . . . .	46	Water Heater . . . . .	68	Refrigerator . . . . .	61
Brake Controller . . . . .	17	Gas (LPG) System . . . . .	60	Personal Check List . . . . .	88	Water Systems . . . . .	69
Brakes . . . . .	17	Gas Tank . . . . .	60	Power On . . . . .	55	TV Antenna . . . . .	47
Bulbs (Replacement) . . . . .	86	Gauge Recalibration . . . . .	55	Polarity Light . . . . .	74	TV Jacks . . . . .	77
Bunk Beds . . . . .	53	Grounding . . . . .	74, 76	Range . . . . .	64	Univolt . . . . .	74
Capacities . . . . .	86	Hitch . . . . .	33	Refrigerator . . . . .	61	Utility Connection . . . . .	41
Car Connector . . . . .	34, 83	Hitch Ball Height . . . . .	34	Registration . . . . .	4	Vacuum Cleaner . . . . .	58
Cargo Capacity . . . . .	20, 34	Hitching Up . . . . .	33	Regulator (LPG) . . . . .	60	Vents . . . . .	58
Ceiling Fans . . . . .	58	Holding Tanks . . . . .	71	Repair Centers . . . . .	9	Vista View Windows . . . . .	47
Ceiling Vents . . . . .	58	Home Check List . . . . .	88	Removing Moisture . . . . .	67	Warranty . . . . .	5
Central Control Panel . . . . .	54	Interior Check List . . . . .	88	Running Gear . . . . .	16	Water Drainage Procedure . . . . .	43, 69
Check Lists . . . . .	88	Interior Maintenance . . . . .	53	Self-Contained (Drainage) . . . . .	71	Water Drain Valves . . . . .	43, 69
Circuit Breakers . . . . .	75	Jacking Trailer . . . . .	41	Self-Contained (Electrical) . . . . .	74	Water Filter . . . . .	70
City Power . . . . .	74	Lubrication Chart . . . . .	90	Service Centers . . . . .	9	Water Heater . . . . .	68
Clock . . . . .	56	Leveling . . . . .	40	Sewer Connection . . . . .	71	Water Inlet . . . . .	69
Defrosting . . . . .	61	Leveling Bars . . . . .	34	Shower Head . . . . .	59	Water Level Gauge . . . . .	55
Drainage System . . . . .	71	Light Bulb Replacement . . . . .	59, 86	Sink Maintenance . . . . .	57	Water Pump . . . . .	69
Dump Valves . . . . .	71	Lights . . . . .	58	Specifications . . . . .	86	Water Purifier (Filter) . . . . .	70
Electrical Components . . . . .	74	L.P.G. System . . . . .	60	Stabilizing Jack Positions . . . . .	40	Water System . . . . .	69
Electrical Connector . . . . .	34, 83	Load Chart . . . . .	26	Sway Control . . . . .	37	Weight: HP Ratio . . . . .	16
Electrical Inlet . . . . .	74	Loading . . . . .	16, 20	Switches: Lights . . . . .	58	Windows . . . . .	47
Electrical Panels . . . . .	54, 84	Micro Wave Oven . . . . .	63	Tank (Sewage) . . . . .	71	Winterizing . . . . .	43
Electrical System . . . . .	74	Motoring Check List . . . . .	88	Tank (Water) . . . . .	69		
Electric Jack (Hitch) . . . . .	34	Oven . . . . .	64	Telephone Jacks . . . . .	77		
Equipment List . . . . .	15	Oven Cleaning . . . . .	65	Telephone Shower Head . . . . .	59		



